

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
 Data File : BM024669.D
 Acq On : 30 Jan 2020 21:32
 Operator : CG/JU
 Sample : L1318-07MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Manual Integrations
 APPROVED

mohammad
 2/3/2020 7:55:38 AM

Quant Time: Jan 31 00:09:55 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM012320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 23 14:57:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	186321	20.00	ng	-0.02
21) Naphthalene-d8	10.19	136	656791	20.00	ng	-0.02
39) Acenaphthene-d10	14.08	164	419454	20.00	ng	-0.01
64) Phenanthrene-d10	16.83	188	921814	20.00	ng	-0.01
76) Chrysene-d12	21.04	240	1040616	20.00	ng	-0.01
87) Perylene-d12	23.15	264	1336243	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	1158118	118.21	ng	-0.01
7) Phenol-d6	6.63	99	1444065	107.00	ng	-0.01
23) Nitrobenzene-d5	8.57	82	928945	69.36	ng	-0.02
42) 2,4,6-Tribromophenol	15.58	330	848390	124.34	ng	-0.01
45) 2-Fluorobiphenyl	12.69	172	2543362	82.43	ng	-0.02
79) Terphenyl-d14	19.49	244	4440994	79.67	ng	-0.01

Target Compounds					Qvalue
2) 1,4-Dioxane	3.06	88	149658	38.616 ng	93
3) Pyridine	3.44	79	376242	33.489 ng	95
4) n-Nitrosodimethylamine	3.35	42	176707	35.435 ng	90
6) Aniline	6.77	93	377637	22.985 ng	96
8) 2-Chlorophenol	7.00	128	532727	47.765 ng	91
9) Benzaldehyde	6.58	77	231290	29.003 ng	90
10) Phenol	6.66	94	597137	44.385 ng	96
11) bis(2-Chloroethyl)ether	6.87	93	438709	40.734 ng	95
12) 1,3-Dichlorobenzene	7.32	146	631094	46.060 ng	96
13) 1,4-Dichlorobenzene	7.46	146	639052	45.975 ng	98
14) 1,2-Dichlorobenzene	7.77	146	609800	45.449 ng	97
15) Benzyl Alcohol	7.67	79	432350	38.854 ng	96
16) 2,2'-oxybis(1-Chloropropan	7.97	45	324084	32.870 ng	97
17) 2-Methylphenol	7.88	107	407439	42.976 ng	94
18) Hexachloroethane	8.49	117	221240	41.218 ng	90
19) n-Nitroso-di-n-propylamine	8.24	70	342473	33.797 ng	94
20) 3+4-Methylphenols	8.21	107	541070	41.228 ng	97
22) Acetophenone	8.24	105	709989	41.923 ng	97
24) Nitrobenzene	8.61	77	530857	41.363 ng	95
25) Isophorone	9.14	82	923886	40.600 ng	97
26) 2-Nitrophenol	9.32	139	301712	50.770 ng	88
27) 2,4-Dimethylphenol	9.40	122	447429	55.405 ng	94
28) bis(2-Chloroethoxy)methane	9.62	93	571325	41.099 ng	99
29) 2,4-Dichlorophenol	9.85	162	550276	50.436 ng	96
30) 1,2,4-Trichlorobenzene	10.06	180	650294	49.420 ng	99
31) Naphthalene	10.24	128	1564774	47.170 ng	100
32) Benzoic acid	9.54	122	330969m	44.803 ng	
33) 4-Chloroaniline	10.36	127	146784	10.095 ng	95
34) Hexachlorobutadiene	10.54	225	435641	47.892 ng	98
35) Caprolactam	11.13	113	150055m	42.868 ng	
36) 4-Chloro-3-methylphenol	11.50	107	494281	42.605 ng	92
37) 2-Methylnaphthalene	11.86	142	1182018	46.172 ng	98
38) 1-Methylnaphthalene	12.09	142	1119266	45.963 ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.25	216	732322	48.918 ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.23	237	968468	115.416	ng	99
43) 2,4,6-Trichlorophenol	12.50	196	479648	50.349	ng	99
44) 2,4,5-Trichlorophenol	12.57	196	512399	52.667	ng	95
46) 1,1'-Biphenyl	12.90	154	1518430	47.835	ng	99
47) 2-Chloronaphthalene	12.94	162	1234736	48.182	ng	97
48) 2-Nitroaniline	13.15	65	279901	35.812	ng	86
49) Acenaphthylene	13.79	152	1890088	49.268	ng	100
50) Dimethylphthalate	13.56	163	1603938	47.289	ng	99
51) 2,6-Dinitrotoluene	13.66	165	338116	46.887	ng #	81
52) Acenaphthene	14.15	154	1121287	47.102	ng	99
53) 3-Nitroaniline	13.99	138	173186	23.155	ng	93
54) 2,4-Dinitrophenol	14.20	184	413081	95.792	ng #	87
55) Dibenzofuran	14.49	168	1864201	48.017	ng	96
56) 4-Nitrophenol	14.32	139	583515	99.806	ng	86
57) 2,4-Dinitrotoluene	14.46	165	467111	45.197	ng #	84
58) Fluorene	15.14	166	1481501	45.408	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.72	232	482399	48.894	ng	95
60) Diethylphthalate	14.94	149	1435959	41.701	ng	98
61) 4-Chlorophenyl-phenylether	15.14	204	837689	44.534	ng	97
62) 4-Nitroaniline	15.16	138	312028	37.795	ng	87
63) Azobenzene	15.43	77	1116710	38.019	ng	94
65) 4,6-Dinitro-2-methylphenol	15.23	198	288777	53.279	ng	86
66) n-Nitrosodiphenylamine	15.36	169	1307686	49.386	ng	99
67) 4-Bromophenyl-phenylether	16.04	248	553501	48.284	ng	96
68) Hexachlorobenzene	16.15	284	641137	48.737	ng	96
69) Atrazine	16.33	200	518271	50.991	ng	99
70) Pentachlorophenol	16.49	266	831408	103.759	ng	99
71) Phenanthrene	16.87	178	2383884	47.756	ng	99
72) Anthracene	16.96	178	2437887	49.913	ng	100
73) Carbazole	17.24	167	2144170	48.223	ng	98
74) Di-n-butylphthalate	17.83	149	2427384	42.703	ng	99
75) Fluoranthene	18.90	202	3014222	48.380	ng	98
77) Benzidine	19.10	184	1632572	67.365	ng	99
78) Pyrene	19.26	202	3114589	45.401	ng	100
80) Butylbenzylphthalate	20.20	149	1153383	40.068	ng	93
81) Benzo(a)anthracene	21.03	228	3399079	47.062	ng	100
82) 3,3'-Dichlorobenzidine	20.97	252	1127337	43.391	ng	98
83) Chrysene	21.08	228	3276293	47.539	ng	100
84) Bis(2-ethylhexyl)phthalate	21.00	149	1680873	39.574	ng #	95
85) Di-n-octyl phthalate	21.85	149	3093145	44.079	ng #	96
86) Indeno(1,2,3-cd)pyrene	25.23	276	4775772	63.579	ng	98
88) Benzo(b)fluoranthene	22.53	252	3932005	45.370	ng	99
89) Benzo(k)fluoranthene	22.58	252	3762403	44.476	ng	99
90) Benzo(a)pyrene	23.06	252	3623454	45.986	ng	99
91) Dibenzo(a,h)anthracene	25.24	278	4043351	54.065	ng	99
92) Benzo(g,h,i)perylene	25.85	276	4022876	59.241	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

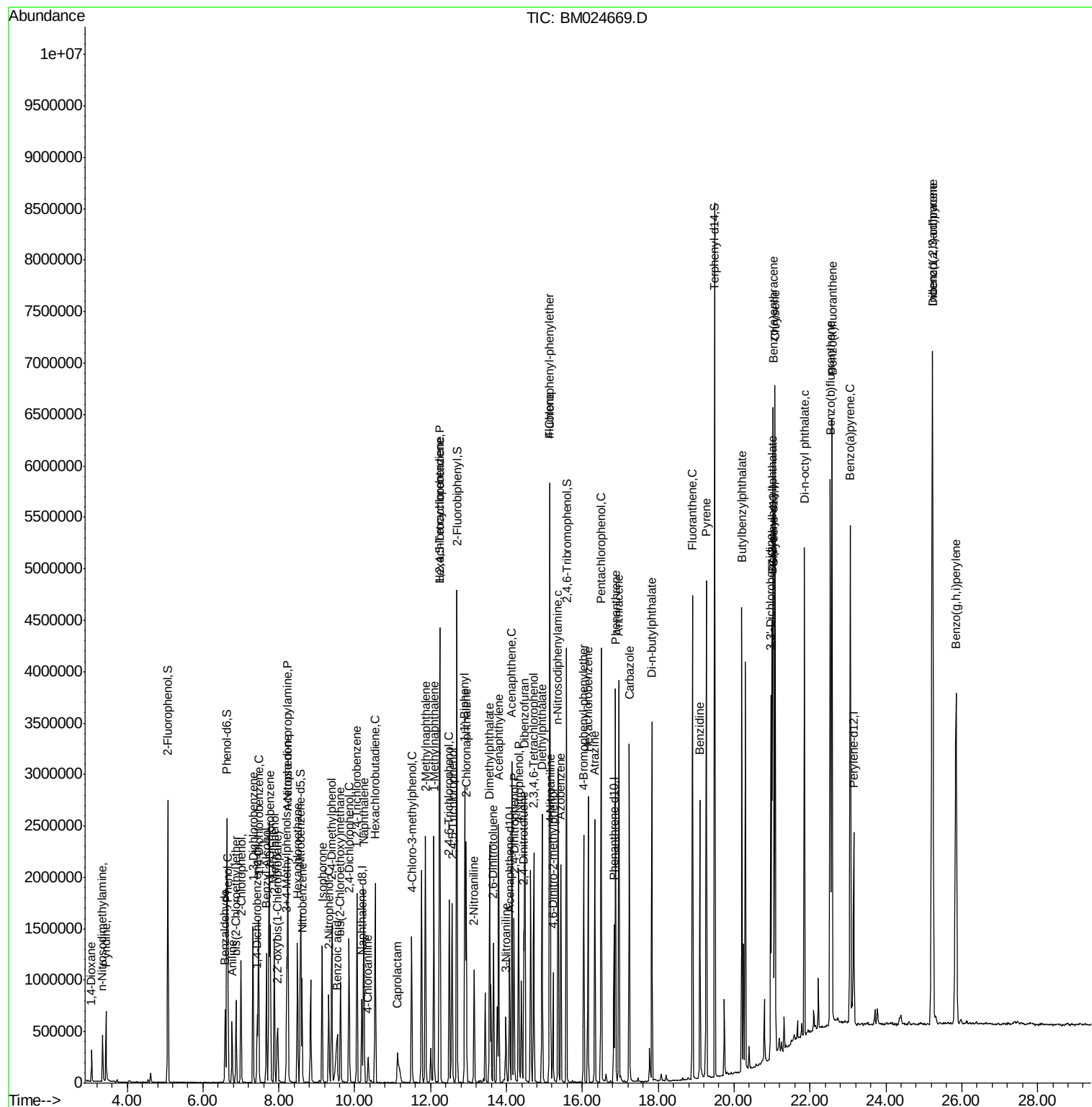
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM013020\
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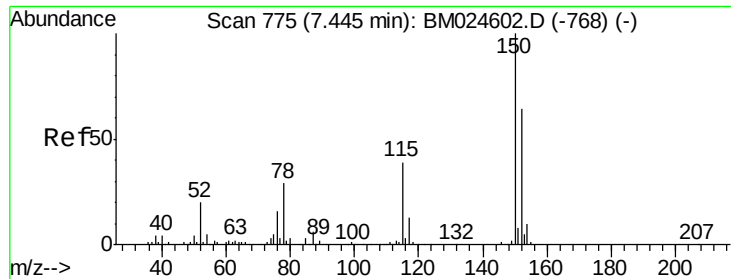
Instrument :
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ClientSampleId :
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#1

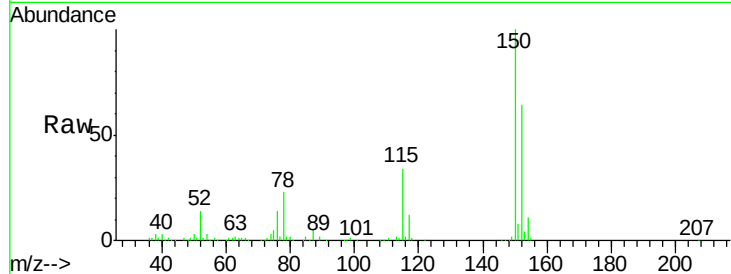
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.43 min Scan# 772
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.2	186.4
115	54.2	48.6	72.8

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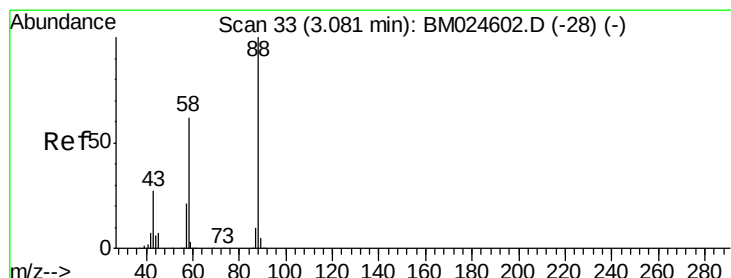
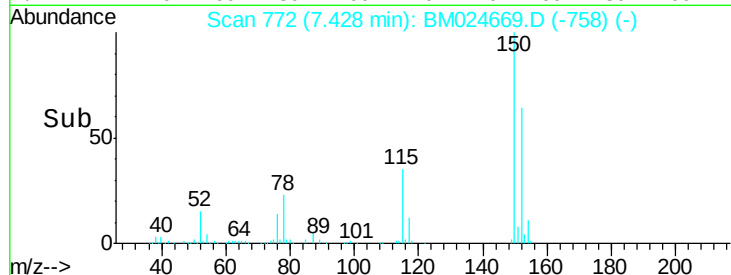
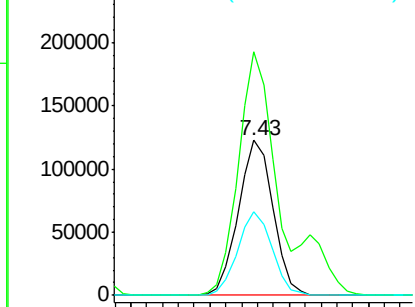


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

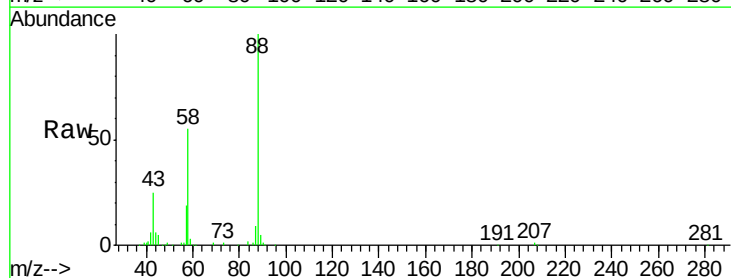
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 38.616 ng
RT: 3.06 min Scan# 30
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	55.6	50.0	75.0
43	24.9	21.6	32.4

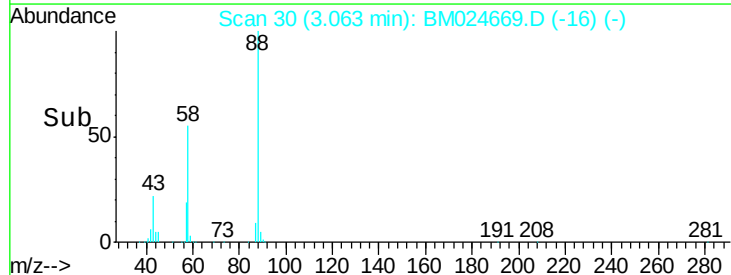
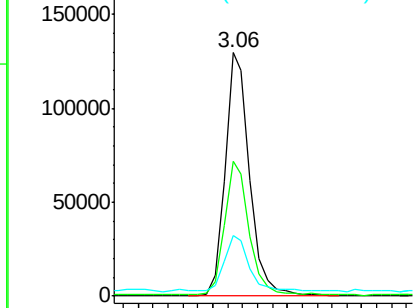


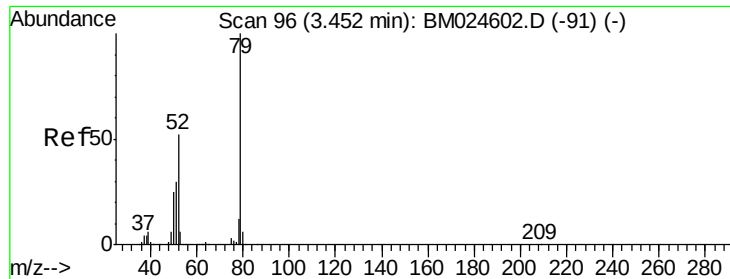
Abundance

Ion 88.00 (87.70 to 88.70): BM0

Ion 58.00 (57.70 to 58.70): BM0

Ion 43.00 (42.70 to 43.70): BM0





#3

Pvridine

Concen: 33.489 ng

RT: 3.44 min Scan# 94

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

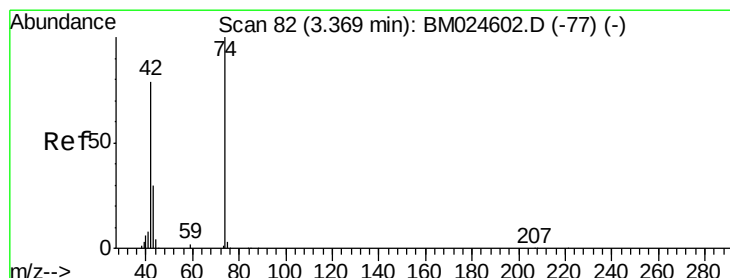
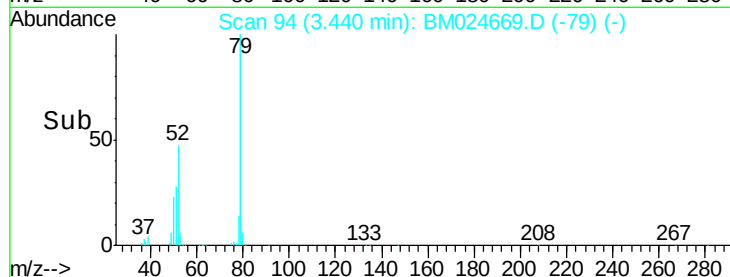
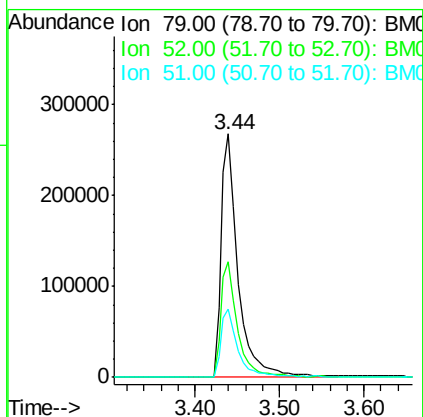
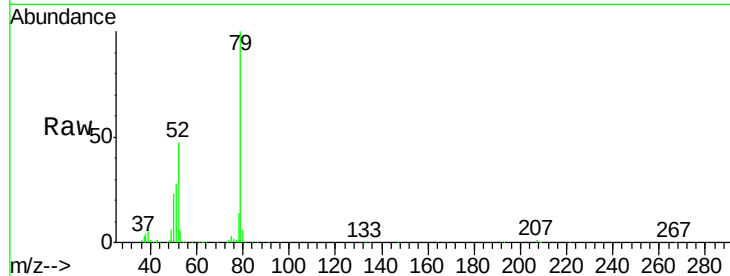
ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:	79	Resp:	376242
Ion	Ratio	Lower	Upper
79	100		
52	47.4	41.4	62.2
51	28.0	23.8	35.8

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#4

n-Nitrosodimethylamine

Concen: 35.435 ng

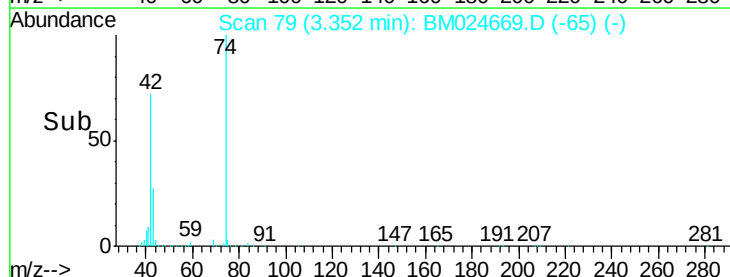
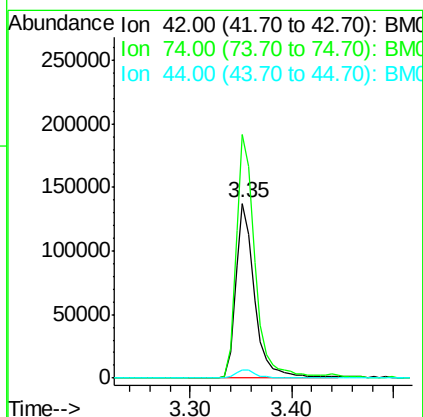
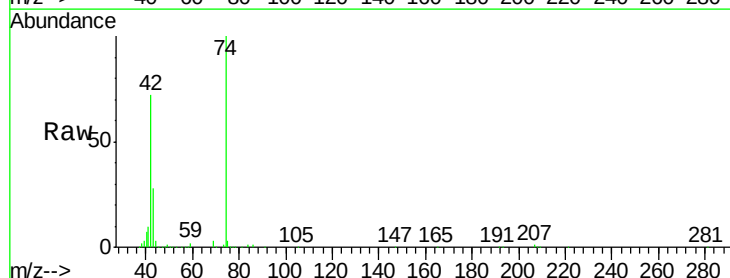
RT: 3.35 min Scan# 79

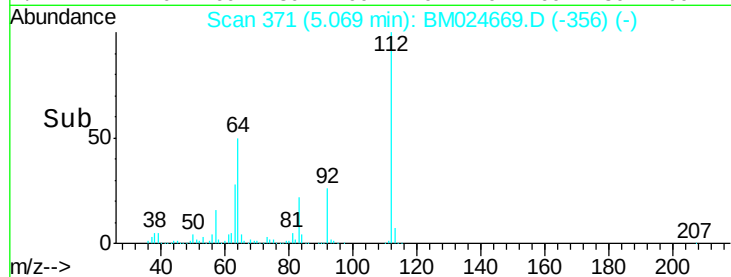
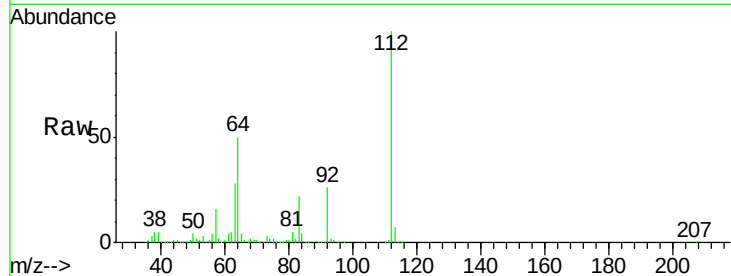
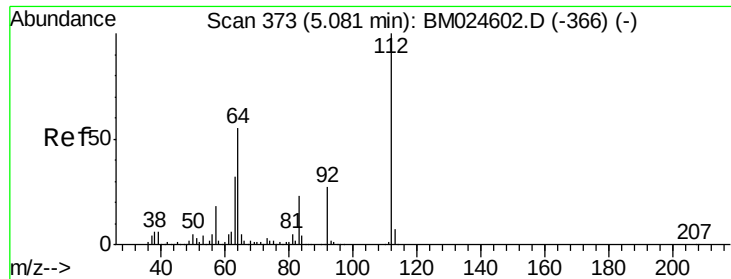
Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	42	Resp:	176707
Ion	Ratio	Lower	Upper
42	100		
74	139.2	101.4	152.2
44	4.8	4.6	6.8





#5

2-Fluorophenol

Concen: 118.208 ng

RT: 5.07 min Scan# 371

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tot Ion:	112	Resp:	1158118
Ion	Ratio	Lower	Upper
112	100		
64	50.4	44.2	66.4
63	28.5	25.9	38.9

Instrument :

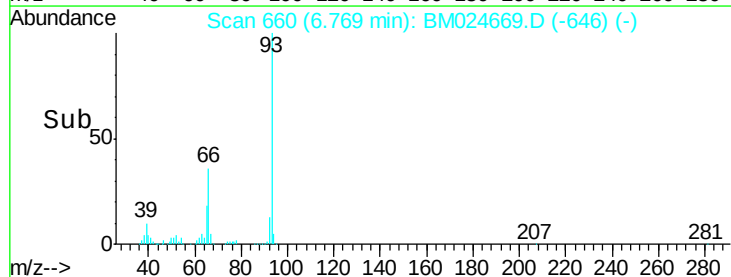
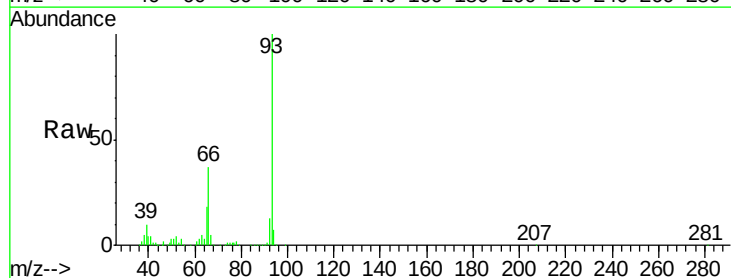
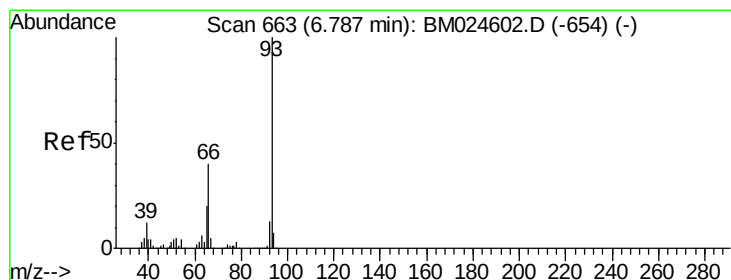
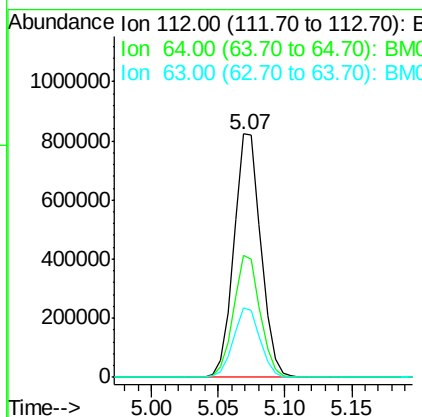
BNA_M

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#6

Aniline

Concen: 22.985 ng

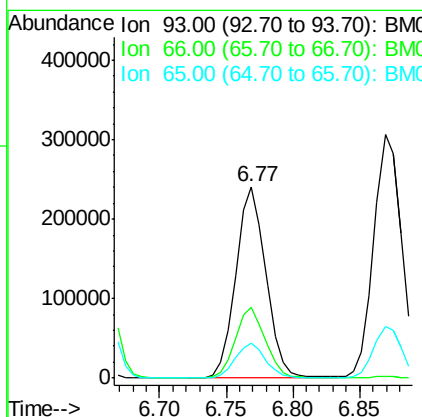
RT: 6.77 min Scan# 660

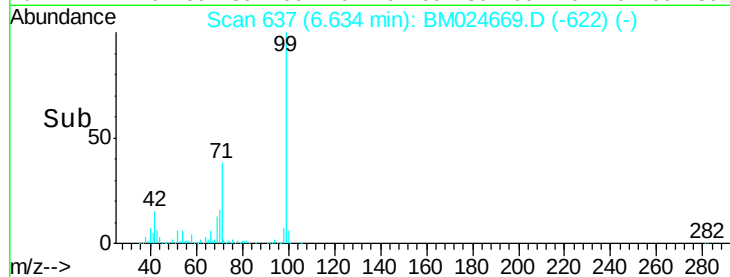
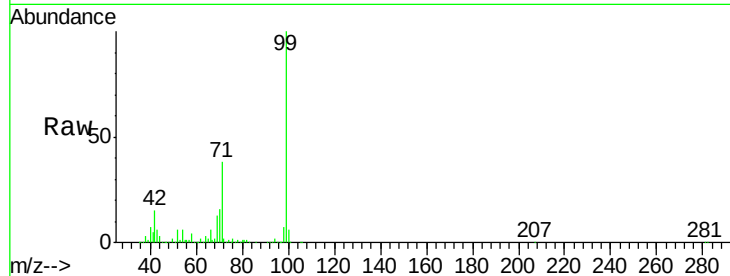
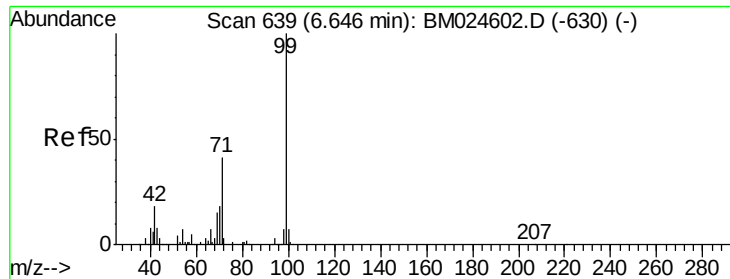
Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	93	Resp:	377637
Ion	Ratio	Lower	Upper
93	100		
66	36.9	31.8	47.8
65	18.2	15.8	23.6





#7

Phenol-d6

Concen: 106.996 ng

RT: 6.63 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tot Ion:	99	Resp:	1444065
Ion	Ratio	Lower	Upper
99	100		
42	14.6	14.1	21.1
71	38.2	33.0	49.6

Instrument :

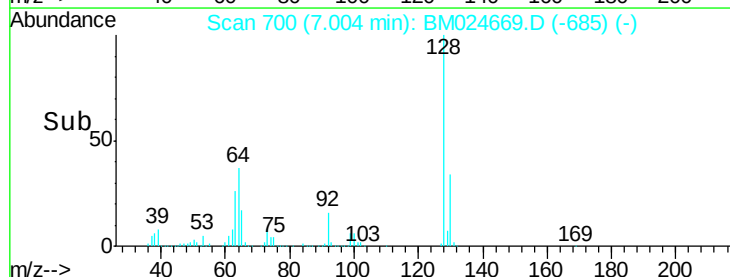
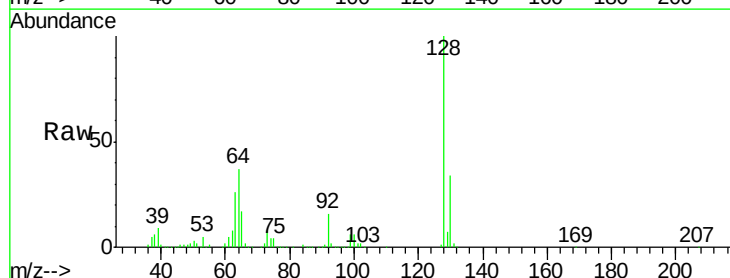
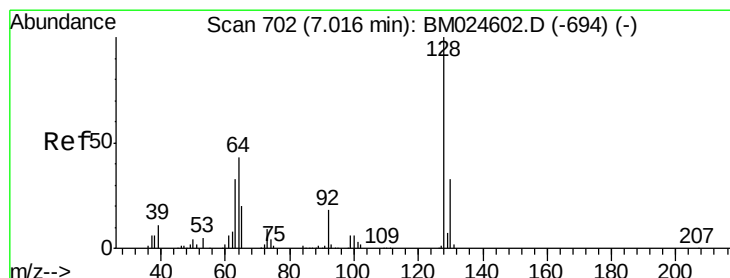
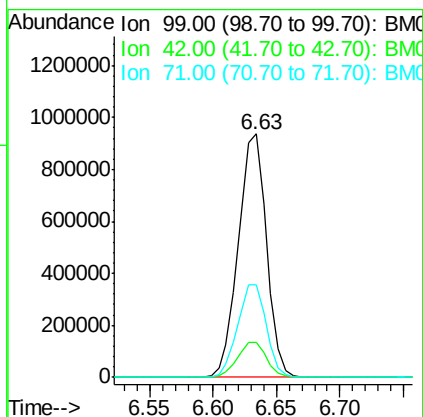
BNA_M

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#8

2-Chlorophenol

Concen: 47.765 ng

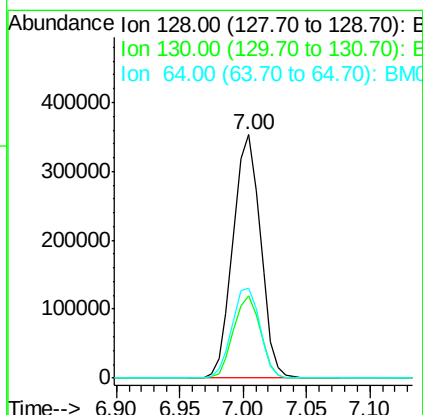
RT: 7.00 min Scan# 700

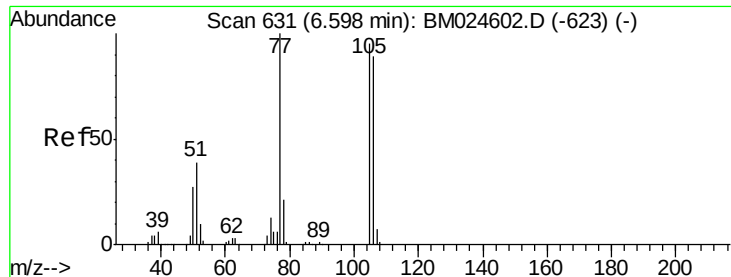
Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	128	Resp:	532727
Ion	Ratio	Lower	Upper
128	100		
130	33.6	12.5	52.5
64	36.7	26.1	66.1





#9

Benzaldehyde

Concen: 29.003 ng

RT: 6.58 min Scan# 628

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

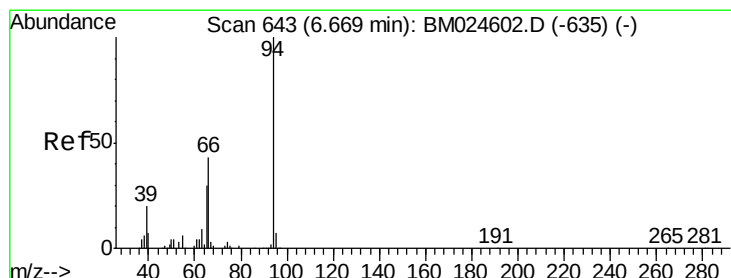
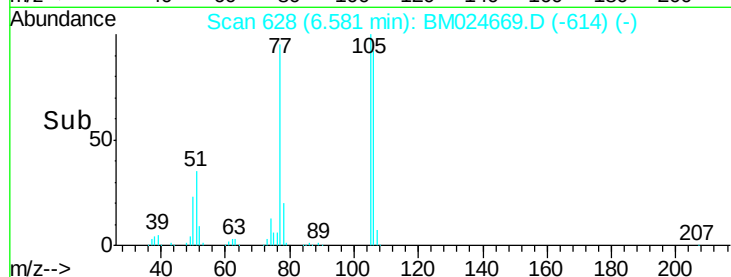
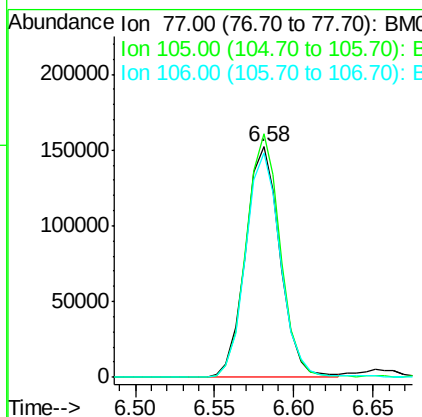
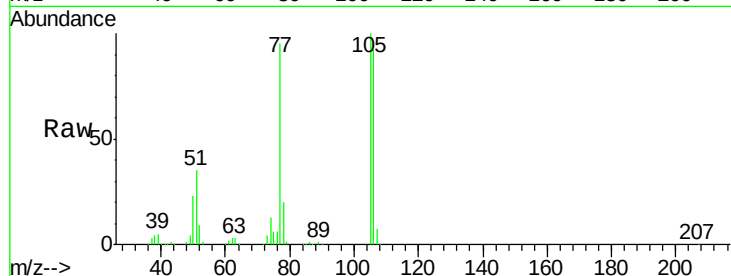
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	105.6	75.2	115.2		
106	97.3	68.6	108.6		

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#10

Phenol

Concen: 44.385 ng

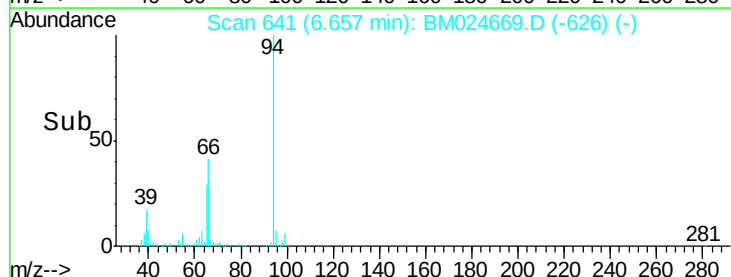
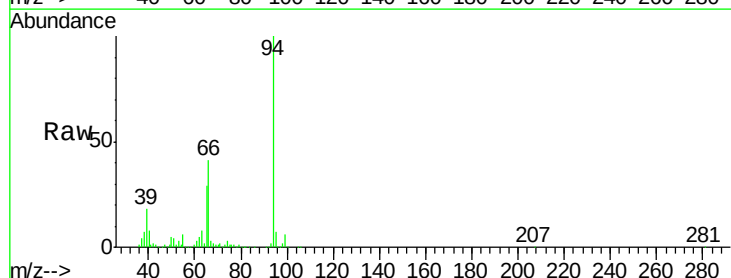
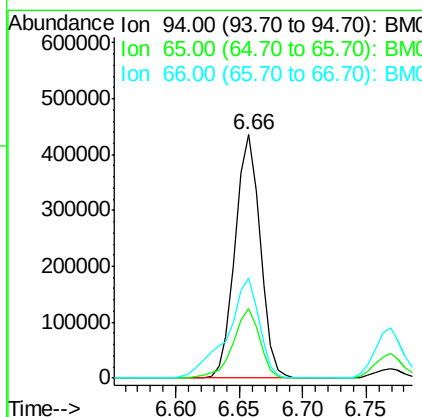
RT: 6.66 min Scan# 641

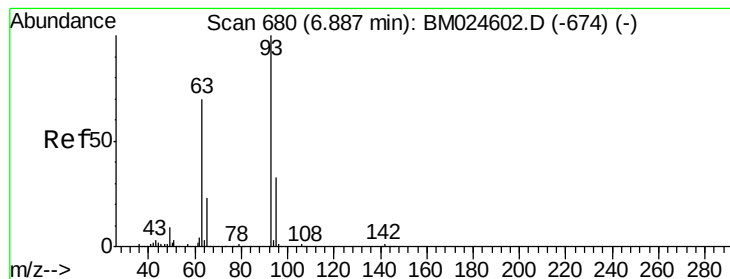
Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	28.6	10.3	50.3		
66	41.4	24.8	64.8		





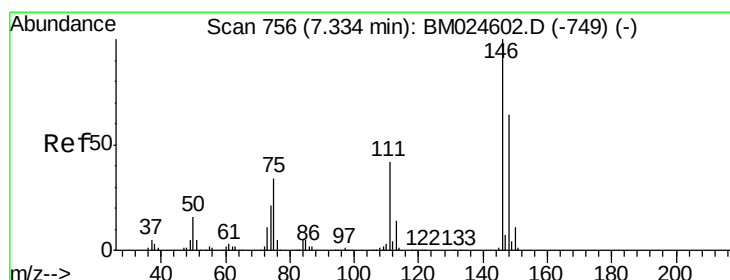
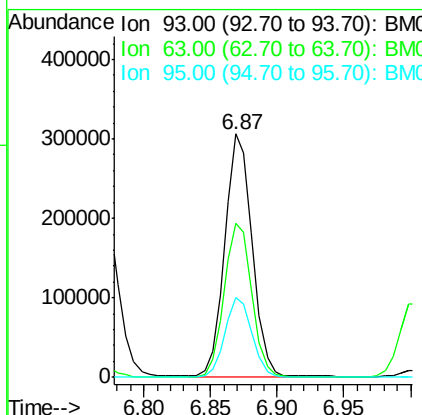
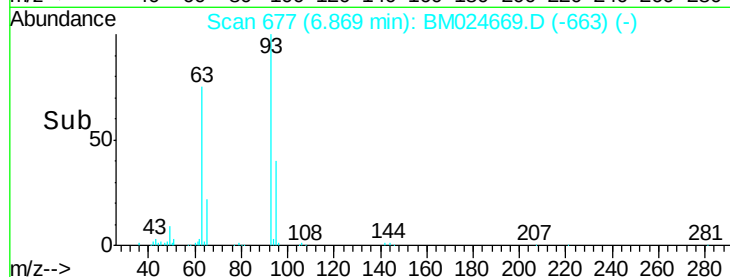
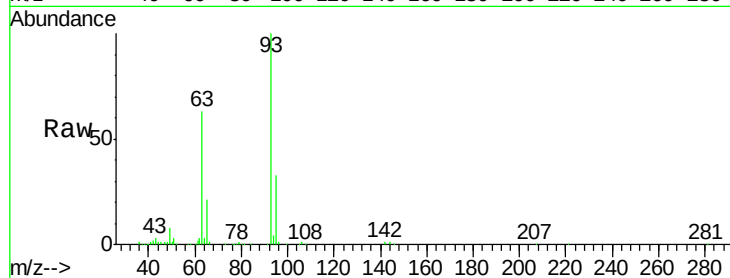
#11
bis(2-Chloroethyl)ether
Concen: 40.734 ng
RT: 6.87 min Scan# 677
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	63.3	49.6	89.6
95	33.0	12.6	52.6

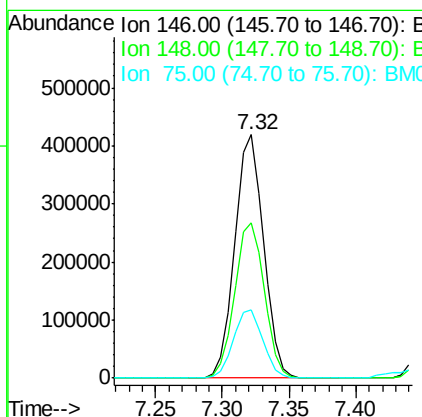
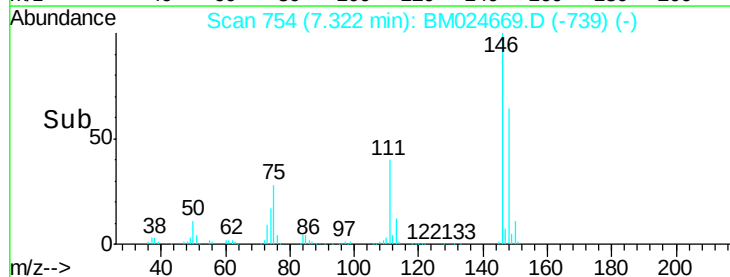
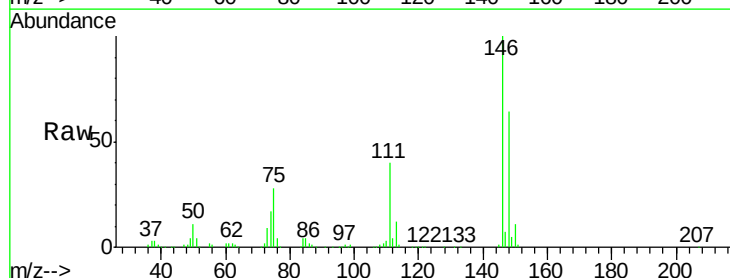
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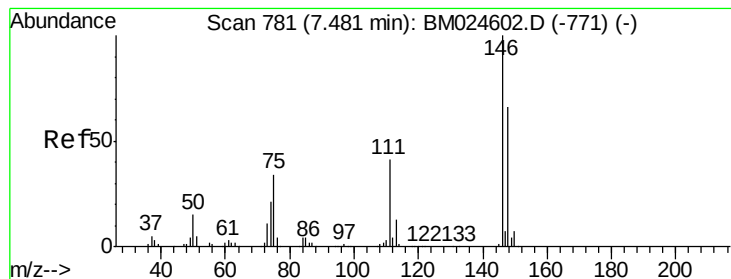
mohammad
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#12
1,3-Dichlorobenzene
Concen: 46.060 ng
RT: 7.32 min Scan# 754
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.0	76.6
75	27.8	27.0	40.4





#13

1,4-Dichlorobenzene

Concen: 45.975 ng

RT: 7.46 min Scan# 778

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

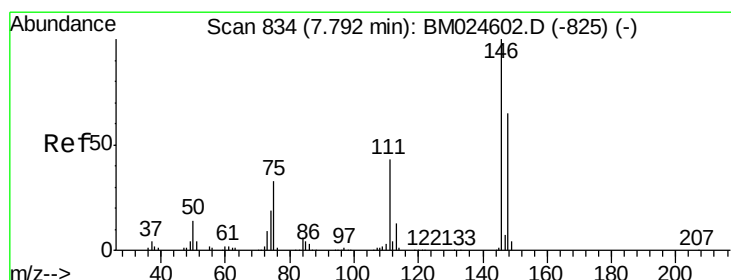
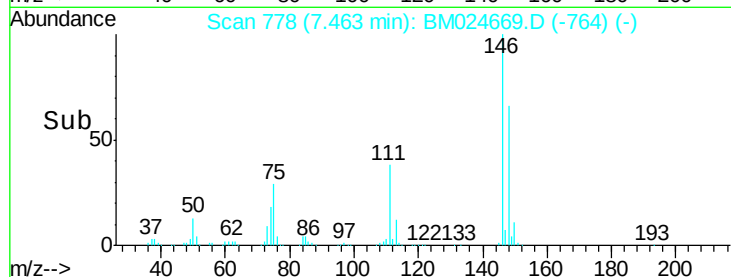
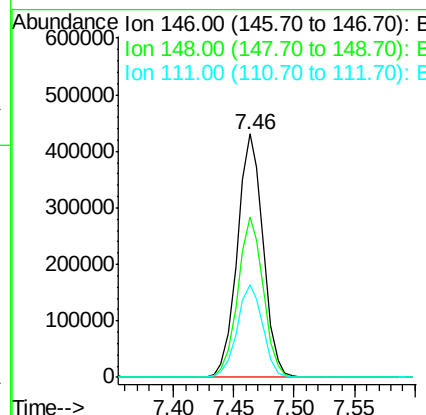
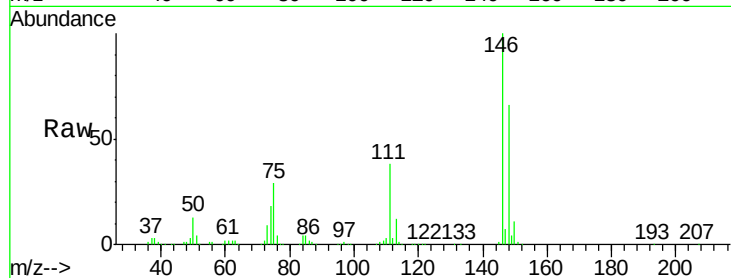
ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:	146	Resp:	639052
Ion Ratio	Lower	Upper	
146	100		
148	65.7	52.5	78.7
111	38.0	33.0	49.4

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#14

1,2-Dichlorobenzene

Concen: 45.449 ng

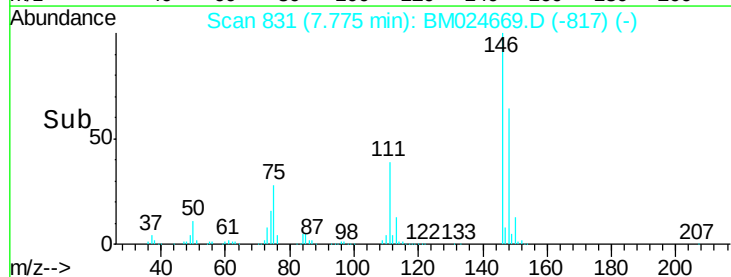
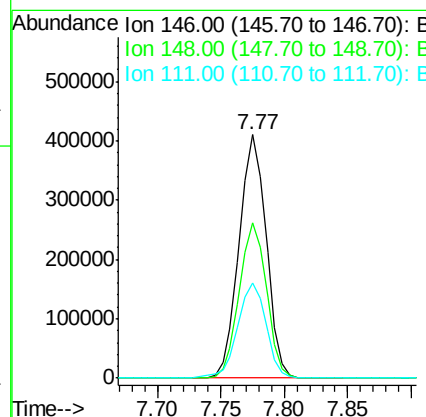
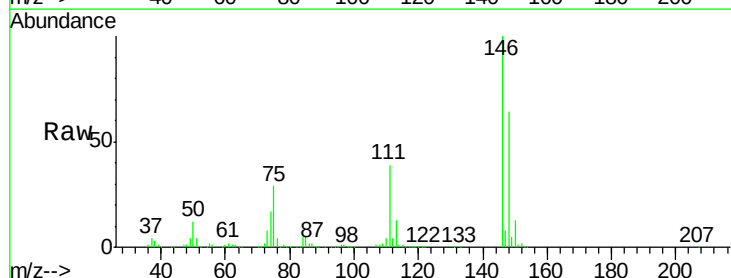
RT: 7.77 min Scan# 831

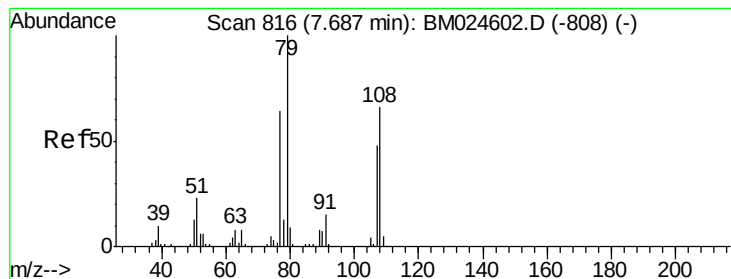
Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	146	Resp:	609800
Ion Ratio	Lower	Upper	
146	100		
148	63.8	51.9	77.9
111	39.1	34.5	51.7





#15

Benzyl Alcohol

Concen: 38.854 ng

RT: 7.67 min Scan# 813

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

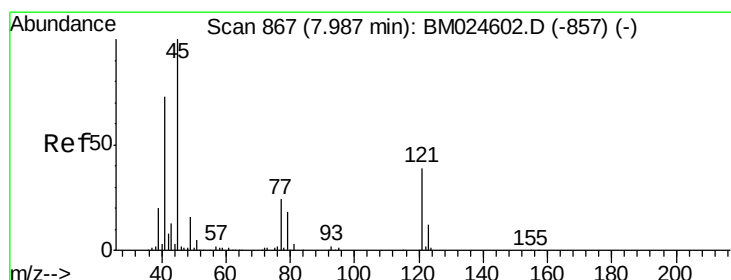
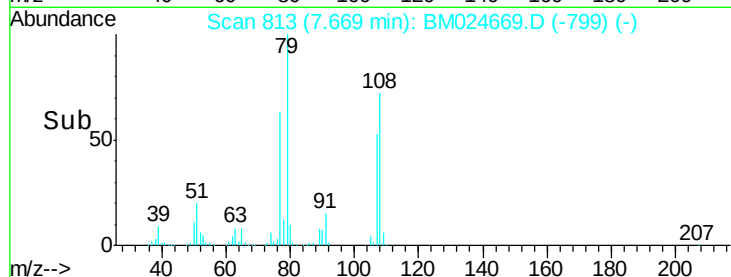
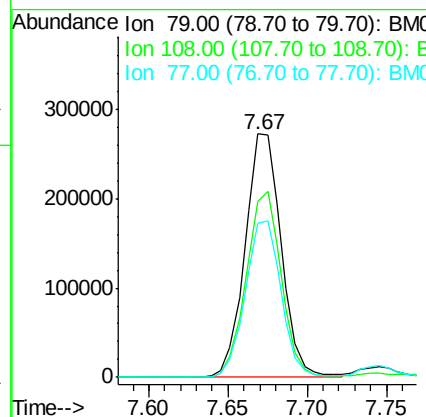
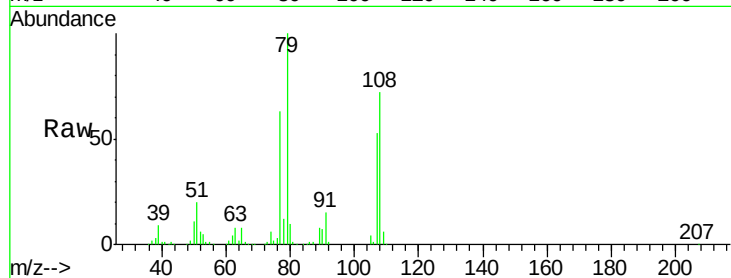
ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:	79	Resp:	432350
Ion Ratio	Lower	Upper	
79	100		
108	72.3	53.0	79.4
77	63.4	50.8	76.2

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#16

2,2'-oxybis(1-chloropropane)

Concen: 32.870 ng

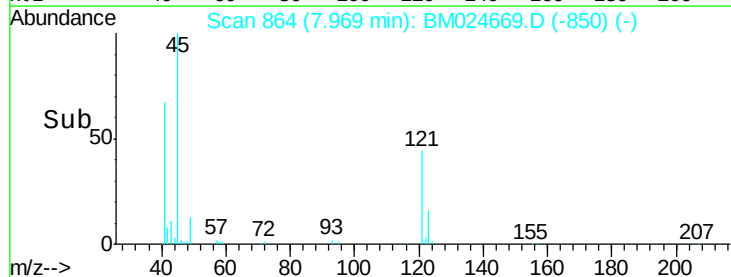
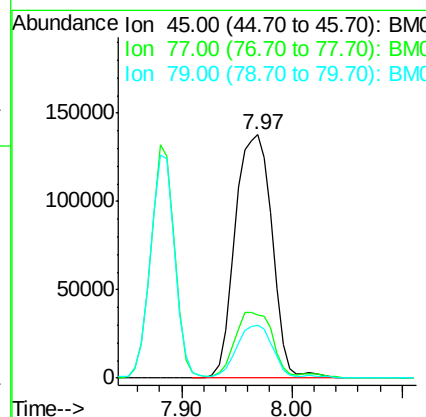
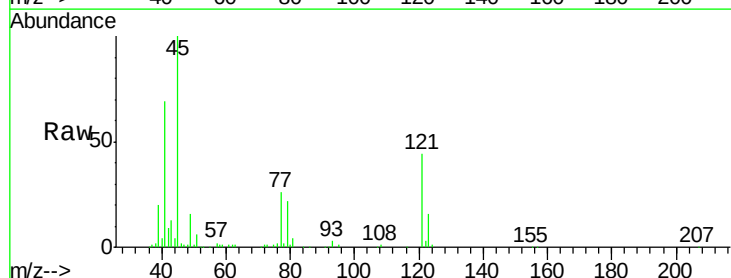
RT: 7.97 min Scan# 864

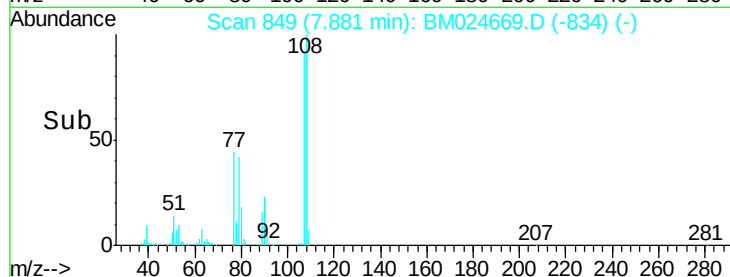
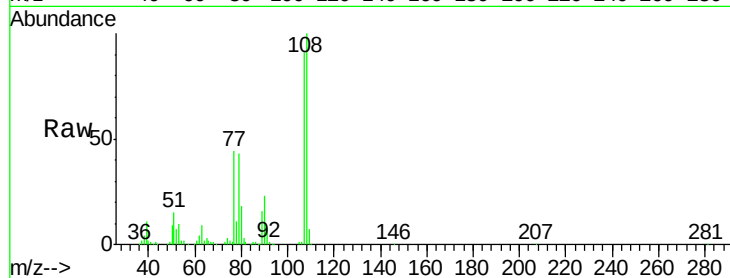
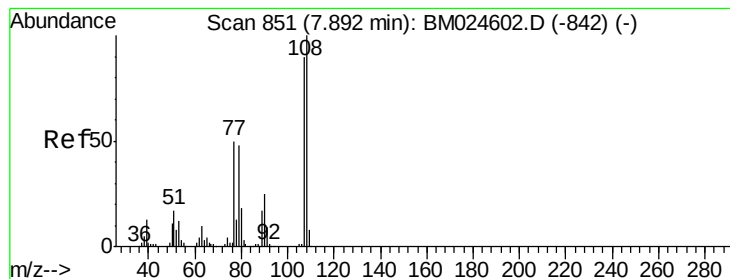
Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	45	Resp:	324084
Ion Ratio	Lower	Upper	
45	100		
77	26.1	5.2	45.2
79	21.9	0.0	39.4





#17

2-Methylphenol

Concen: 42.976 ng

RT: 7.88 min Scan# 849

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tot Ion	107	Resp	407439
Ion Ratio	Lower	Upper	
107	100		
108	109.4	88.9	133.3
77	48.5	44.5	66.7
79	46.5	42.9	64.3

Instrument :

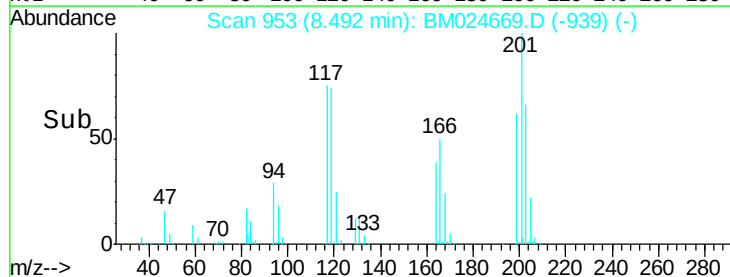
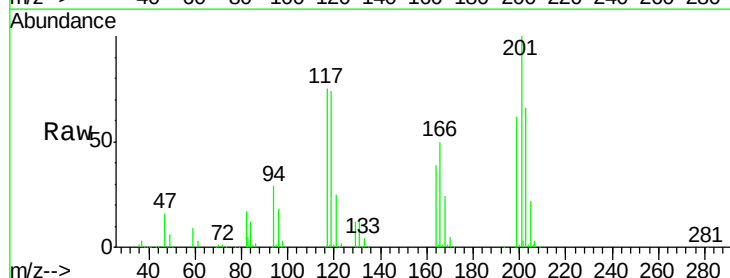
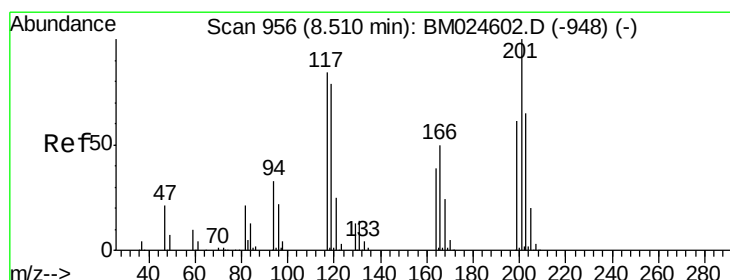
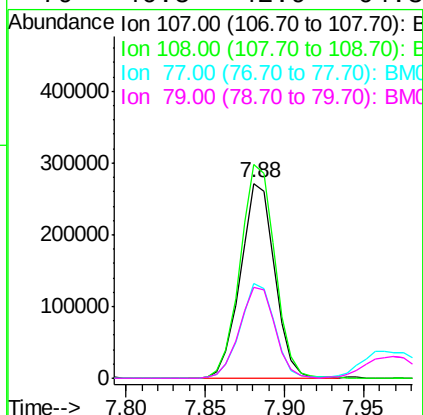
BNA_M

ClientSampleId :

RAINEY-PARK-BH-04-AMS

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#18

Hexachloroethane

Concen: 41.218 ng

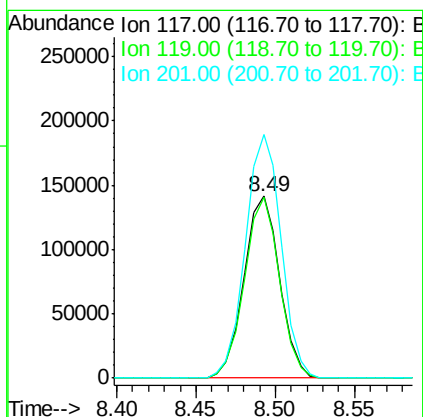
RT: 8.49 min Scan# 953

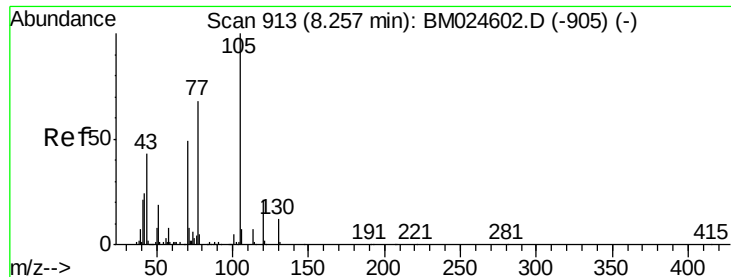
Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion	117	Resp	221240
Ion Ratio	Lower	Upper	
117	100		
119	99.8	75.4	113.2
201	134.1	95.8	143.6





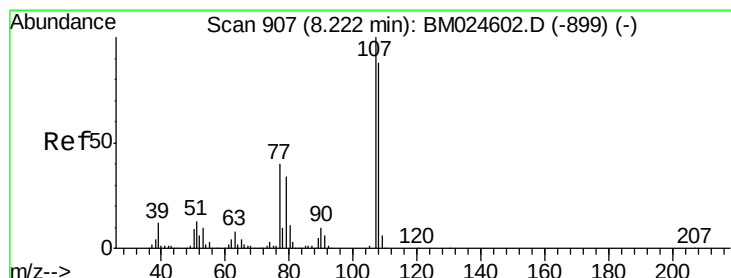
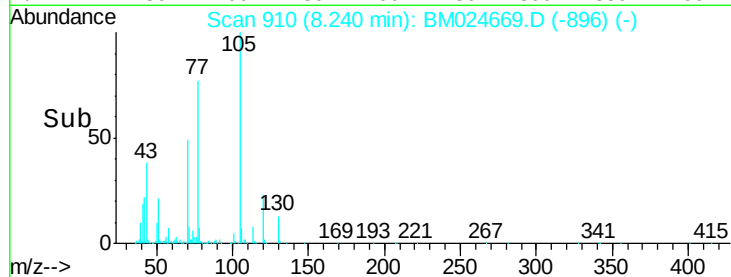
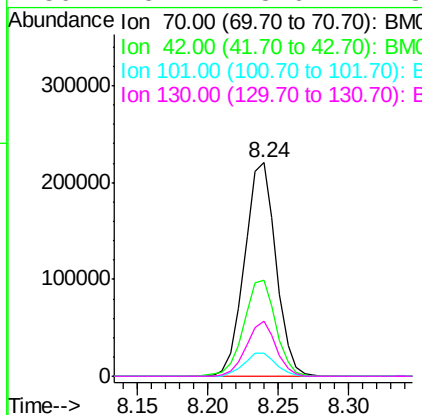
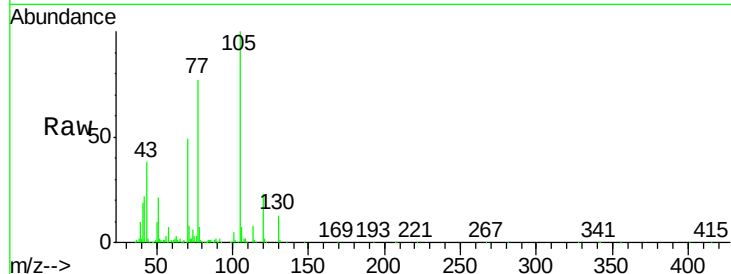
#19
n-Nitroso-di-n-propylamine
Concen: 33.797 ng
RT: 8.24 min Scan# 910
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		342473		
42	44.9	40.0	60.0		
101	10.8	8.2	12.2		
130	25.7	18.6	27.8		

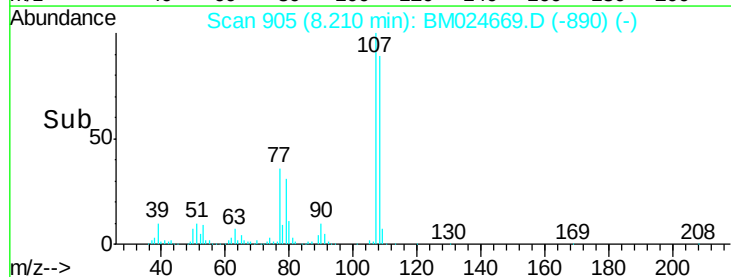
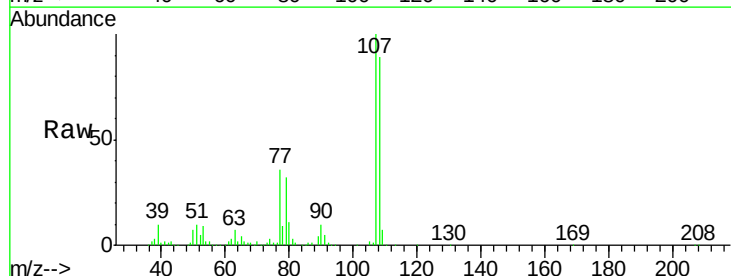
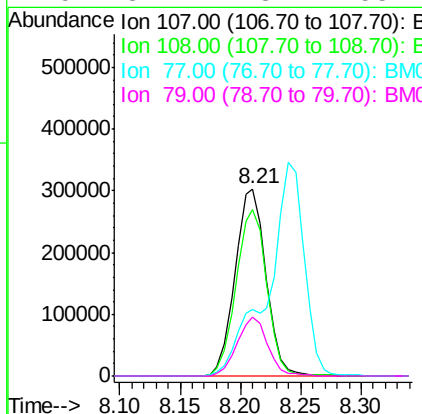
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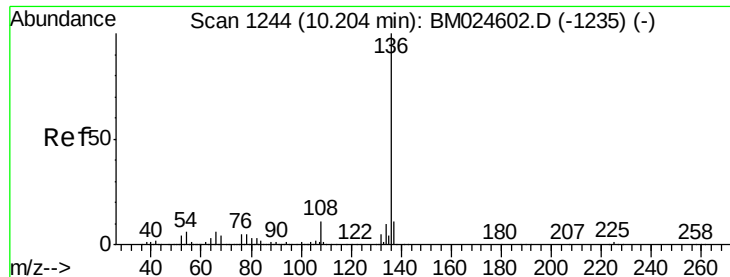
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#20
3+4-Methylphenols
Concen: 41.228 ng
RT: 8.21 min Scan# 905
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		541070		
108	89.0	68.0	108.0		
77	35.7	19.9	59.9		
79	31.7	13.7	53.7		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.19 min Scan# 1241

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

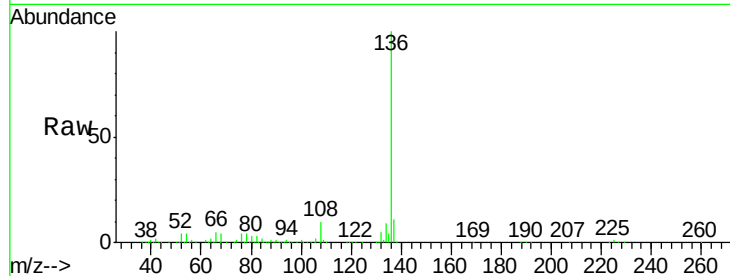
ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		656791		
137	11.3		8.6	13.0	
54	4.4		4.5	6.7#	
68	4.2		3.4	5.0	

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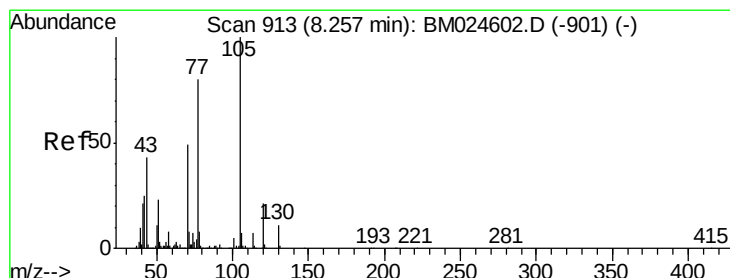
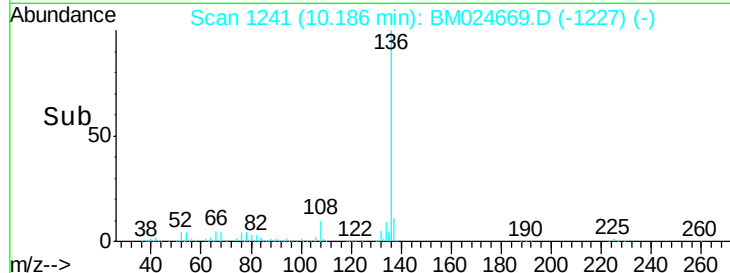
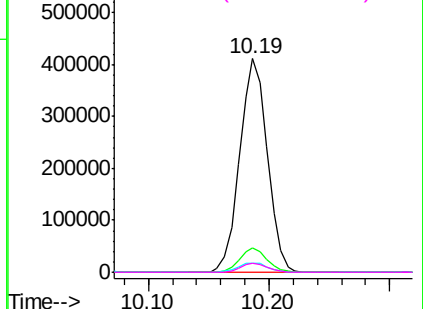
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0



#22

Acetophenone

Concen: 41.923 ng

RT: 8.24 min Scan# 910

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		709989		
71	8.2		6.7	10.1	
51	21.1		18.5	27.7	
120	22.7		16.6	25.0	

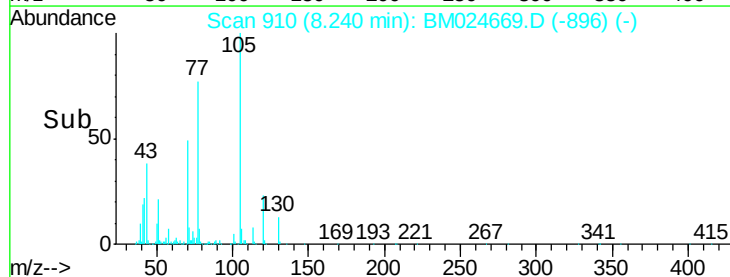
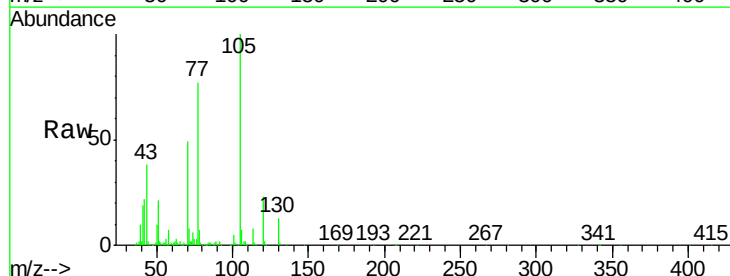
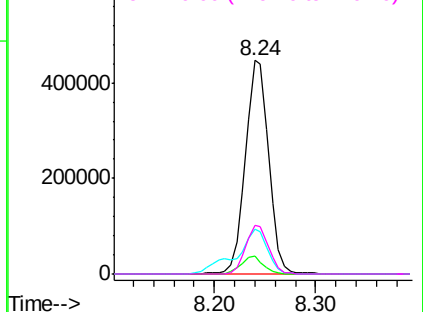
Abundance

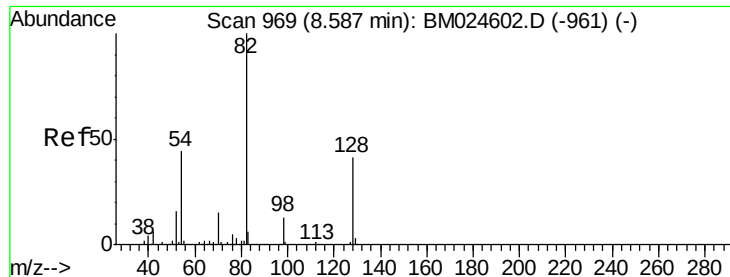
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM0

Ion 51.00 (50.70 to 51.70): BM0

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 69.363 ng

RT: 8.57 min Scan# 966

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

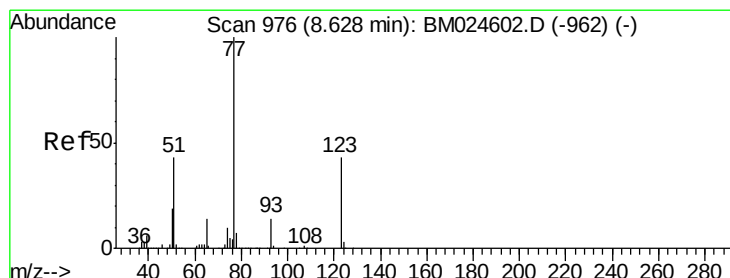
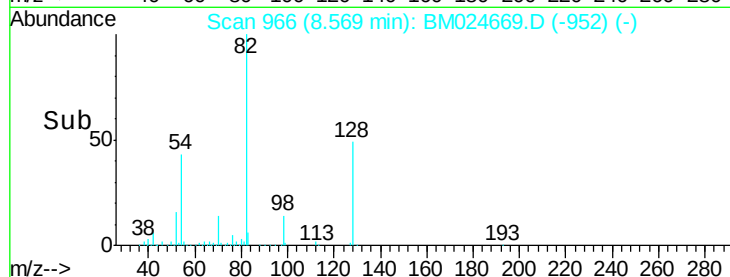
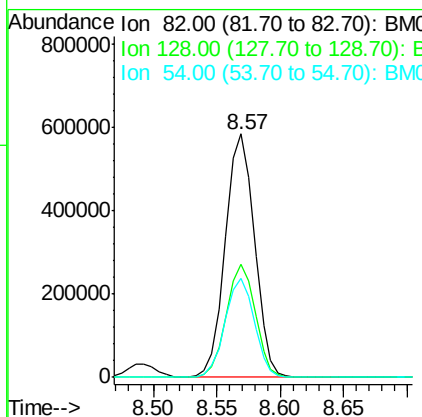
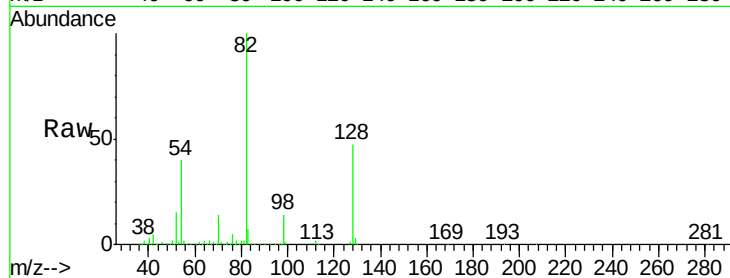
ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:	82	Resp:	928945
Ion Ratio	Lower	Upper	
82	100		
128	46.5	32.6	48.8
54	40.5	34.8	52.2

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#24

Nitrobenzene

Concen: 41.363 ng

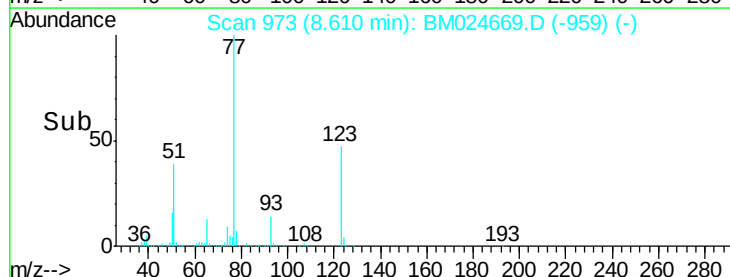
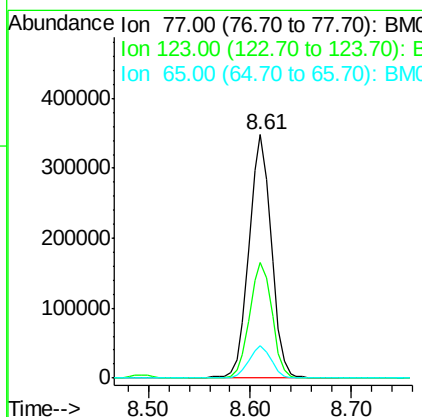
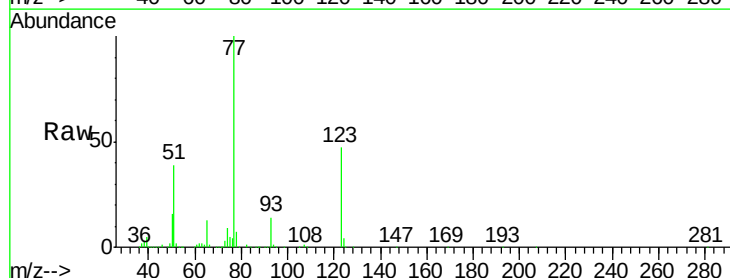
RT: 8.61 min Scan# 973

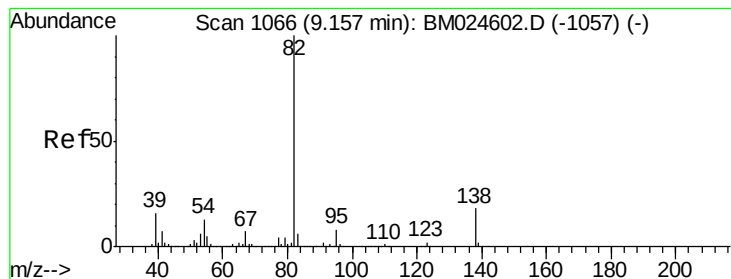
Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	77	Resp:	530857
Ion Ratio	Lower	Upper	
77	100		
123	47.4	34.6	52.0
65	13.3	11.0	16.4





#25

Isophorone

Concen: 40.600 ng

RT: 9.14 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

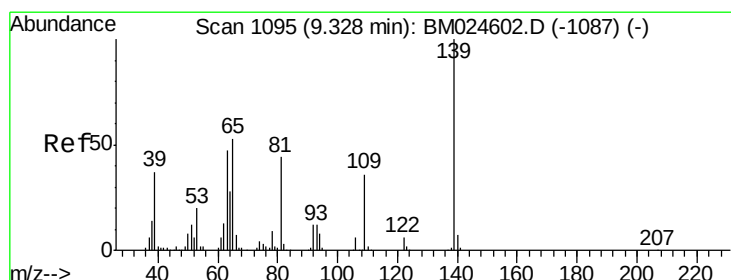
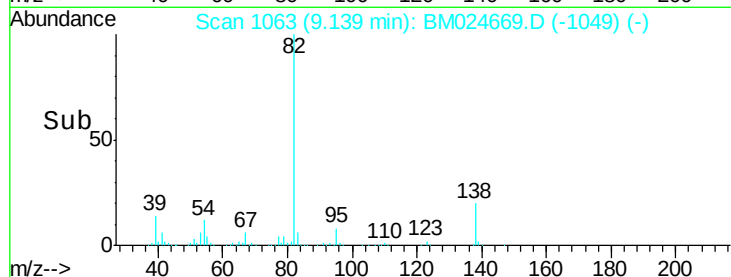
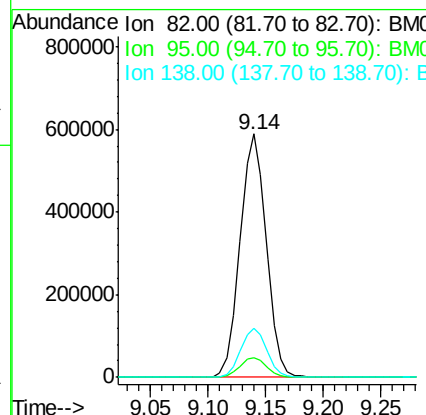
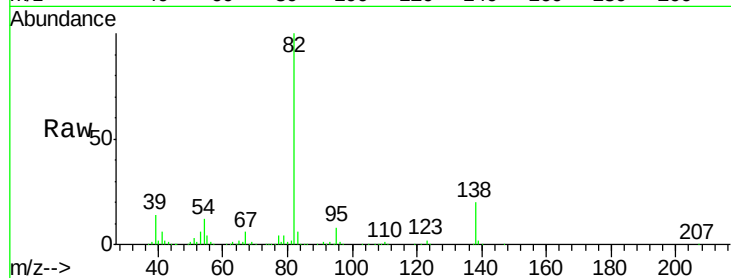
ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:	82	Resp:	923886
Ion Ratio	Lower	Upper	
82	100		
95	8.3	6.7	10.1
138	20.0	14.7	22.1

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#26

2-Nitrophenol

Concen: 50.770 ng

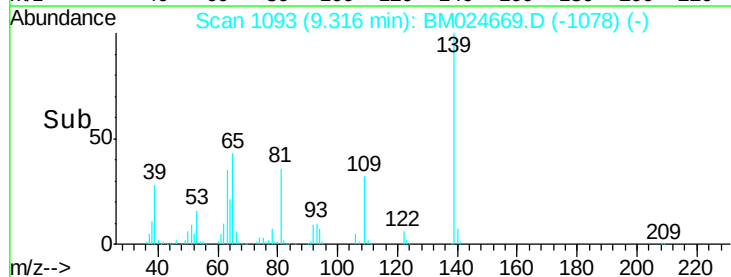
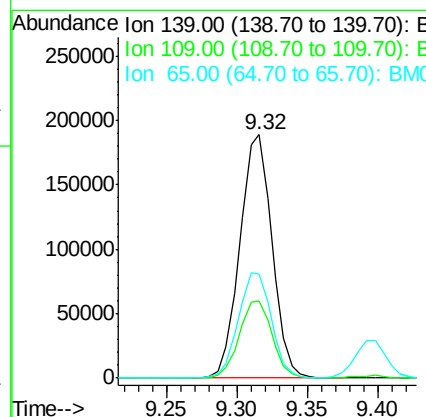
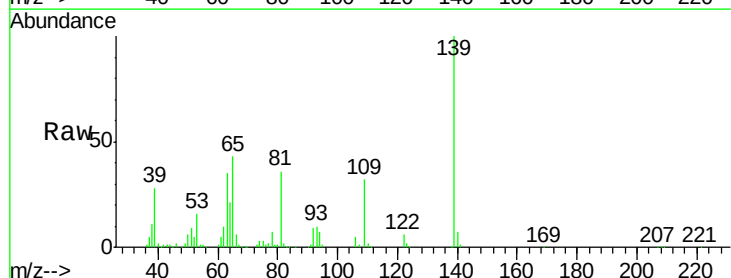
RT: 9.32 min Scan# 1093

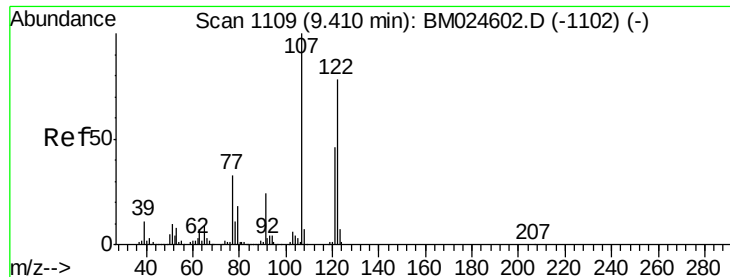
Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	139	Resp:	301712
Ion Ratio	Lower	Upper	
139	100		
109	32.0	28.8	43.2
65	42.6	42.6	63.8





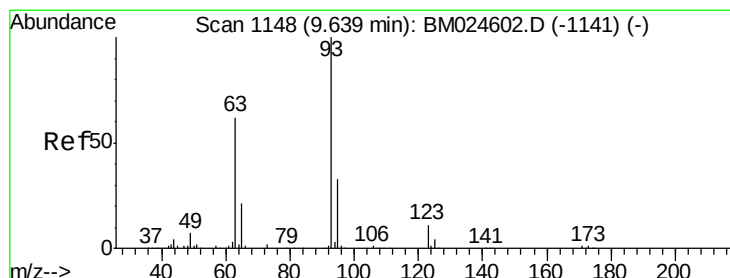
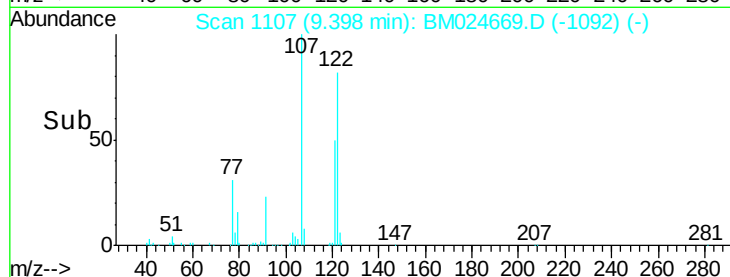
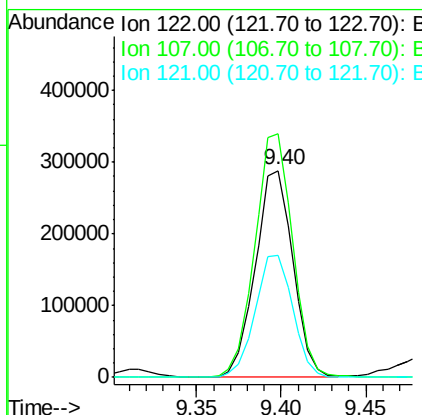
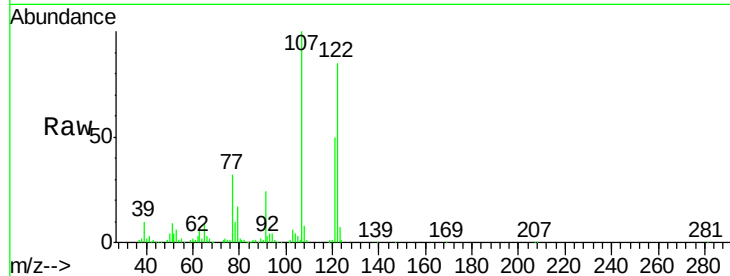
#27
 2,4-Dimethylphenol
 Concen: 55.405 ng
 RT: 9.40 min Scan# 1107
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	117.7	102.5	153.7
121	59.2	47.0	70.4

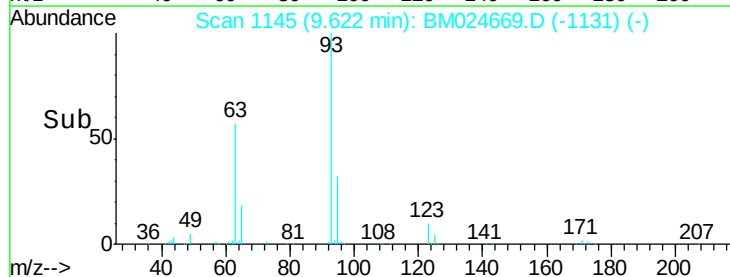
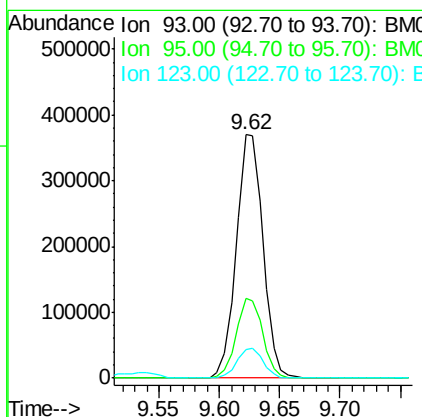
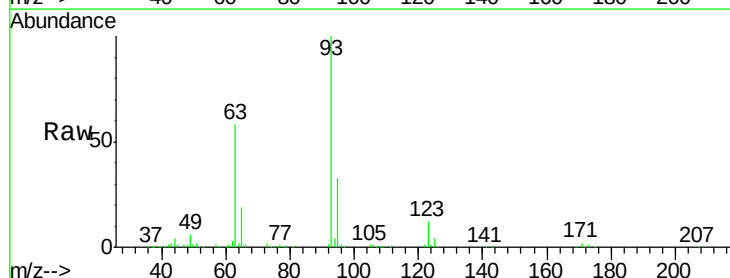
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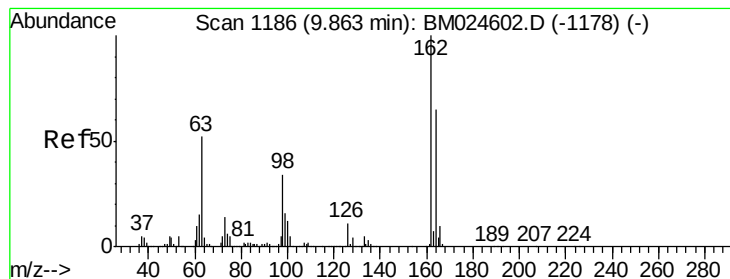
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 41.099 ng
 RT: 9.62 min Scan# 1145
 Delta R.T. -0.02 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.1	39.1
123	11.9	8.7	13.1





#29

2,4-Dichlorophenol

Concen: 50.436 ng

RT: 9.85 min Scan# 1184

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

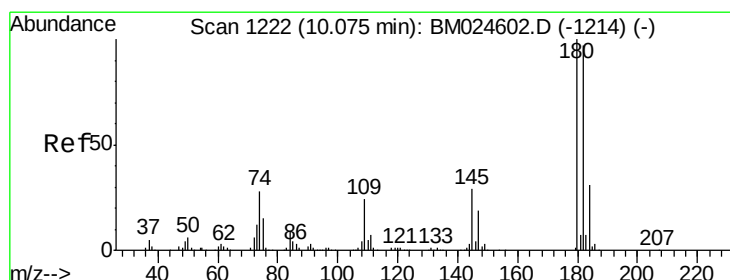
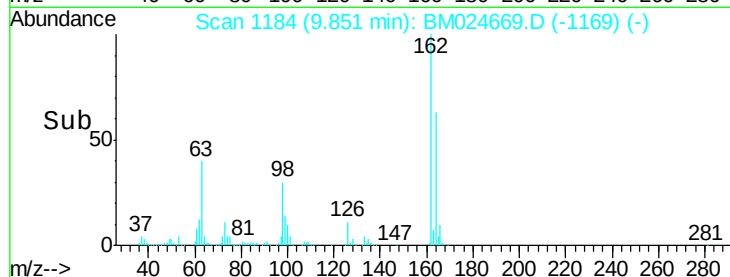
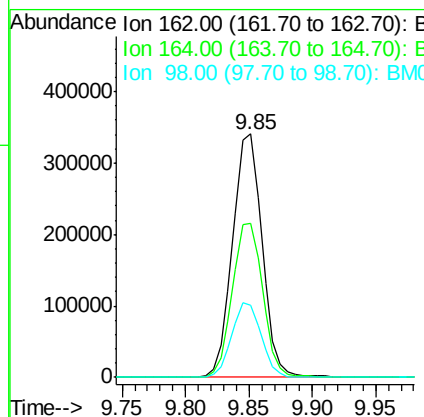
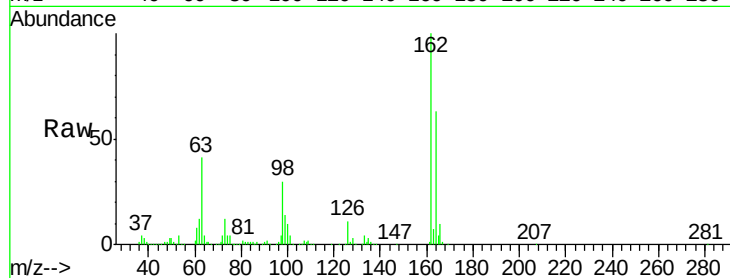
ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:	162	Resp:	550276
Ion Ratio	Lower	Upper	
162	100		
164	63.4	44.5	84.5
98	29.8	14.2	54.2

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#30

1,2,4-Trichlorobenzene

Concen: 49.420 ng

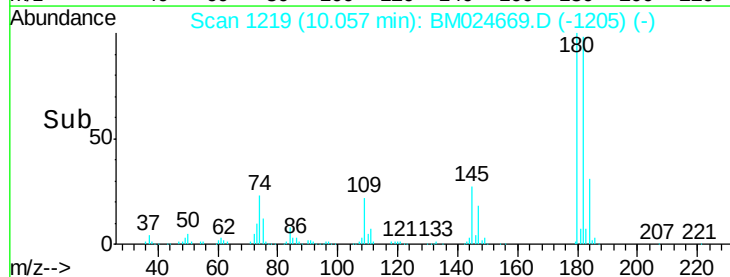
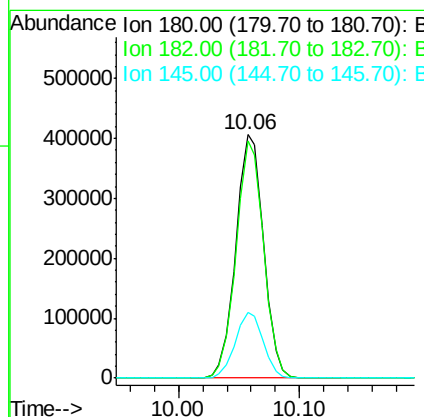
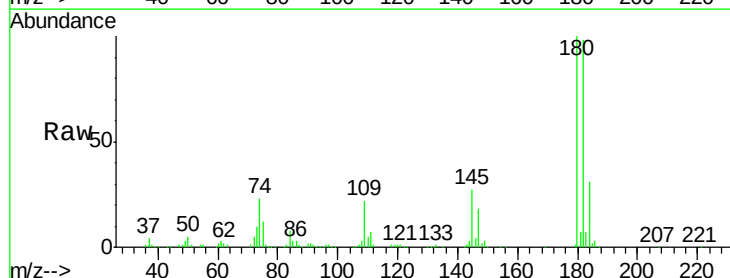
RT: 10.06 min Scan# 1219

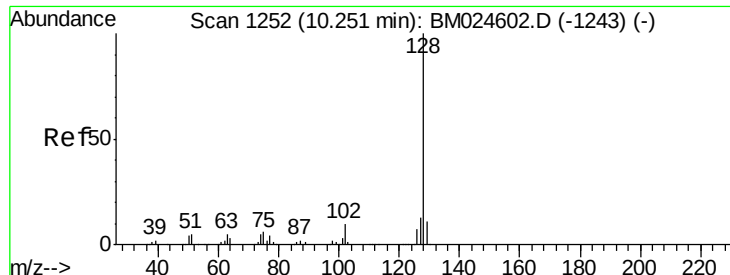
Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	180	Resp:	650294
Ion Ratio	Lower	Upper	
180	100		
182	97.6	77.8	116.6
145	27.2	22.9	34.3





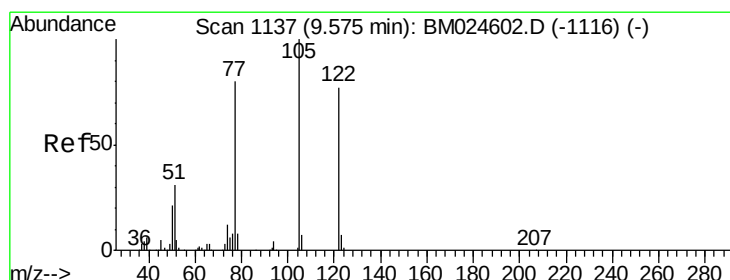
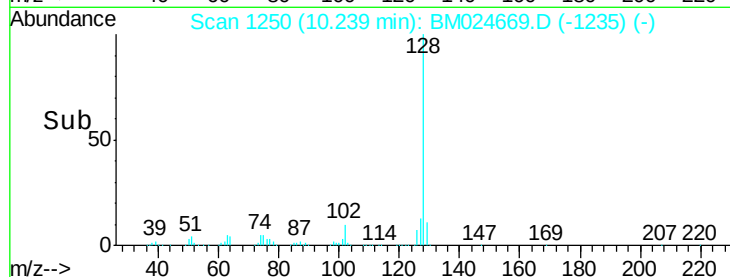
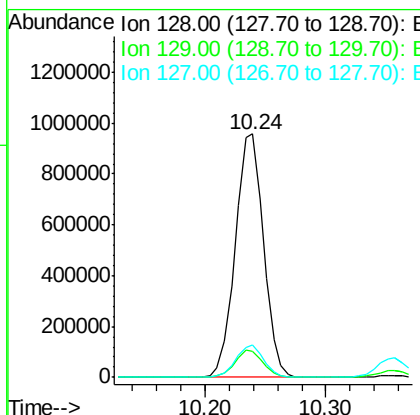
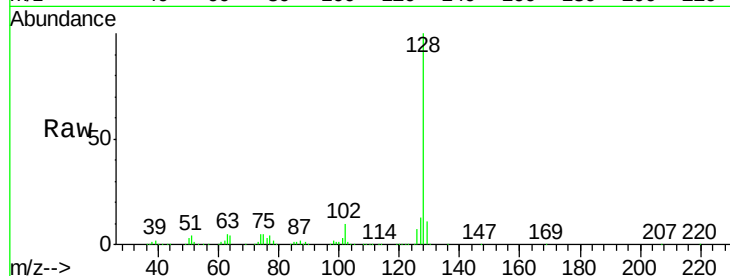
#31
Naphthalene
Concen: 47.170 ng
RT: 10.24 min Scan# 1250
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.4	10.6	15.8

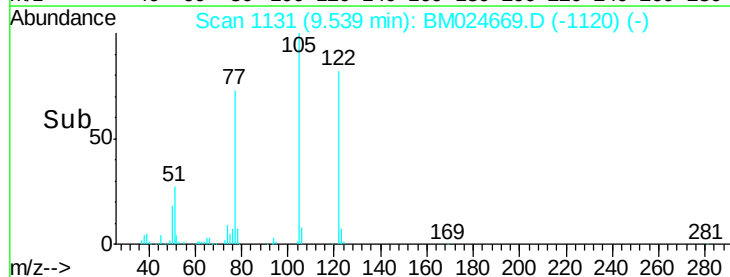
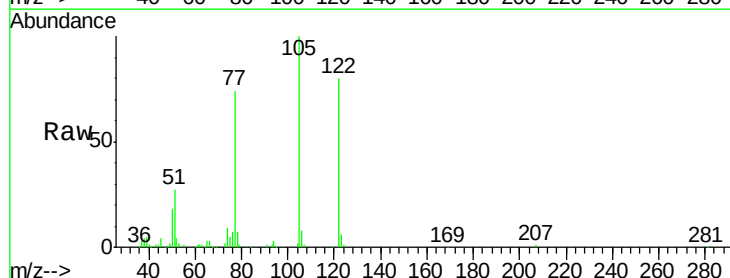
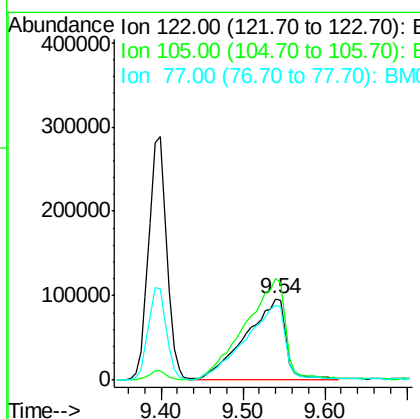
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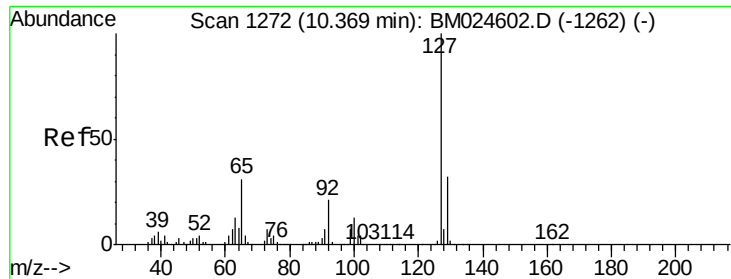
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#32
Benzoic acid
Concen: 44.803 ng m
RT: 9.54 min Scan# 1131
Delta R.T. -0.04 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
122	100		
105	124.6	107.7	147.7
77	91.7	83.8	123.8





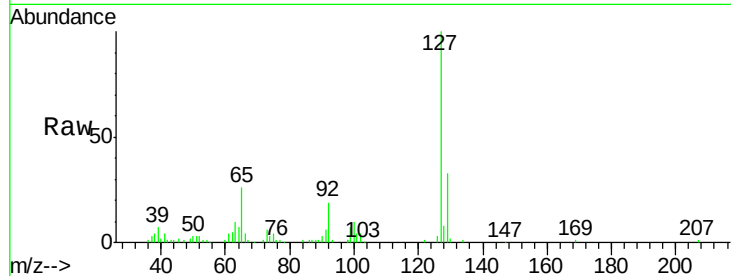
#33
4-Chloroaniline
Concen: 10.095 ng
RT: 10.36 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

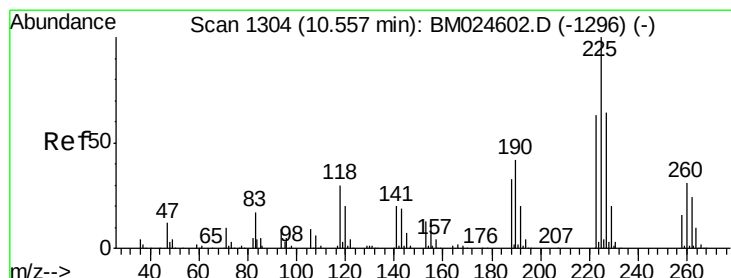
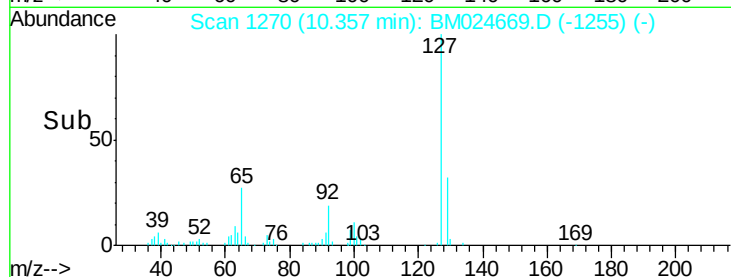
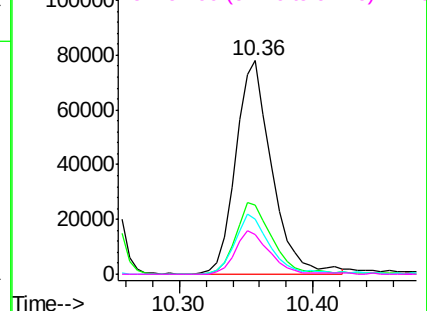
Tot Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	26.0	25.1	37.7
92	18.7	16.6	25.0

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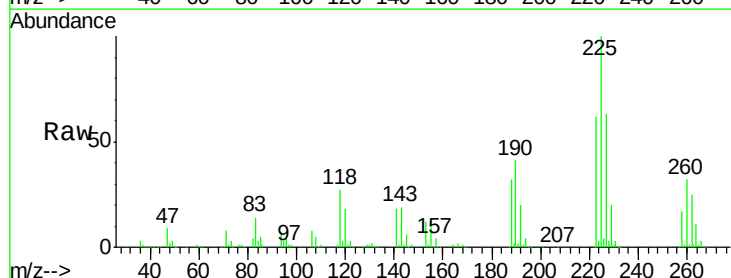


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0

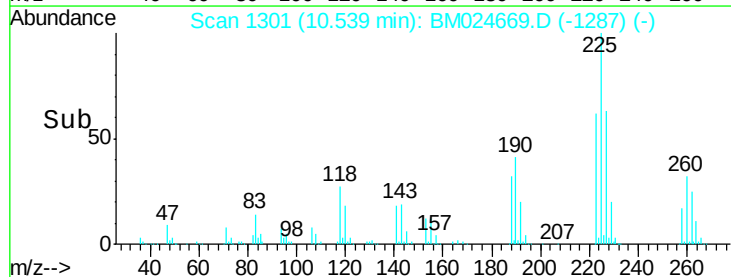
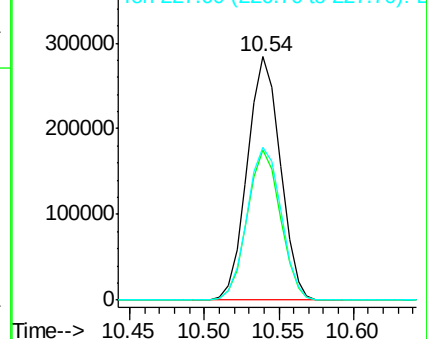


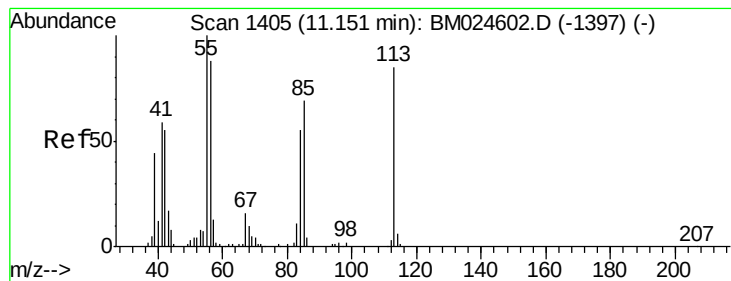
#34
Hexachlorobutadiene
Concen: 47.892 ng
RT: 10.54 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.7	76.1
227	62.6	51.4	77.0



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 42.868 ng/mL

RT: 11.13 min Scan# 1401

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

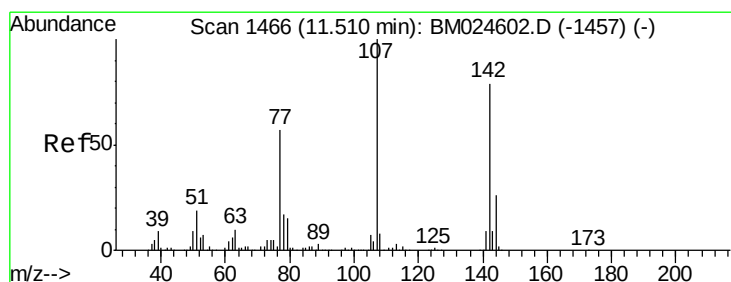
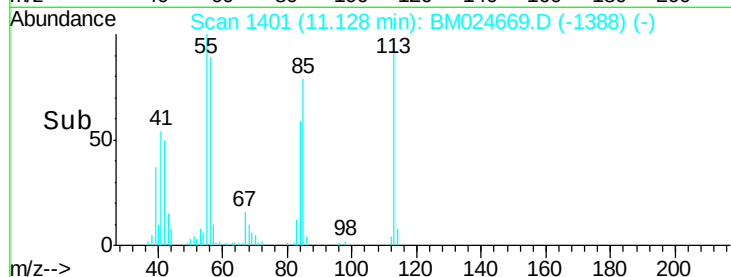
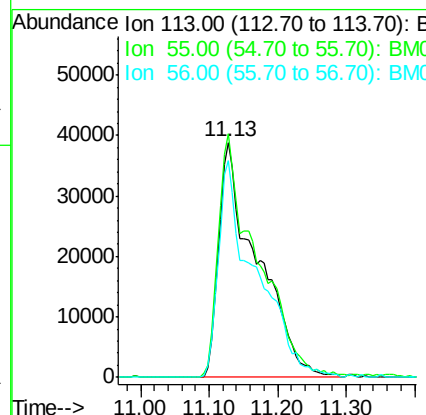
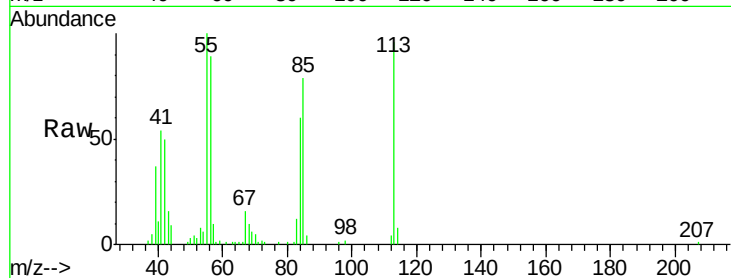
ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:	113	Resp:	150055
Ion Ratio	Lower	Upper	
113	100		
55	103.8	97.5	137.5
56	92.4	83.4	123.4

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#36

4-Chloro-3-methylphenol

Concen: 42.605 ng/mL

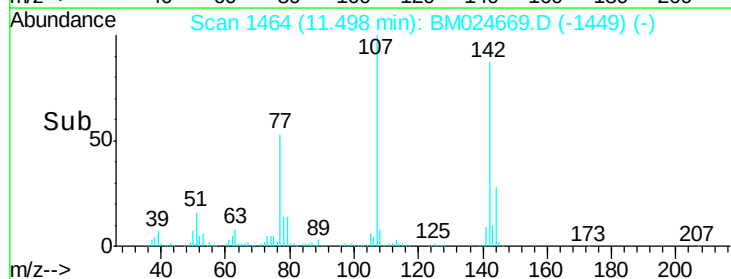
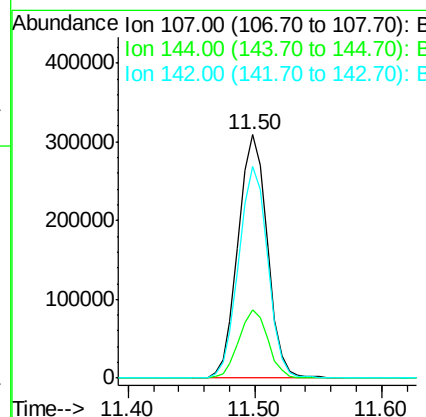
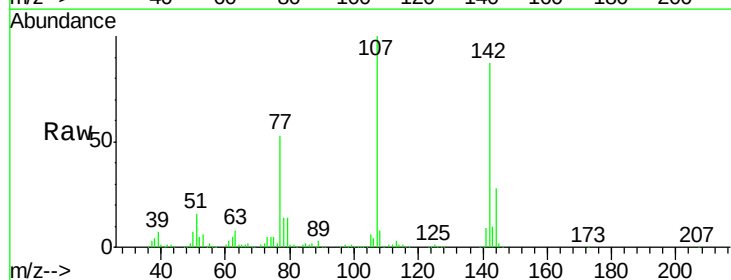
RT: 11.50 min Scan# 1464

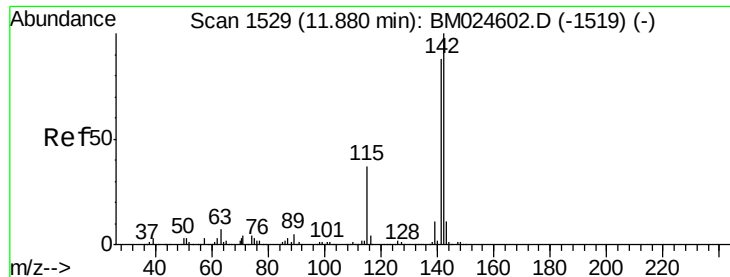
Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	107	Resp:	494281
Ion Ratio	Lower	Upper	
107	100		
144	28.1	20.5	30.7
142	86.9	62.8	94.2





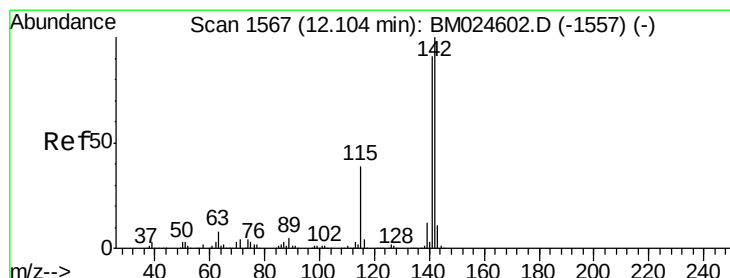
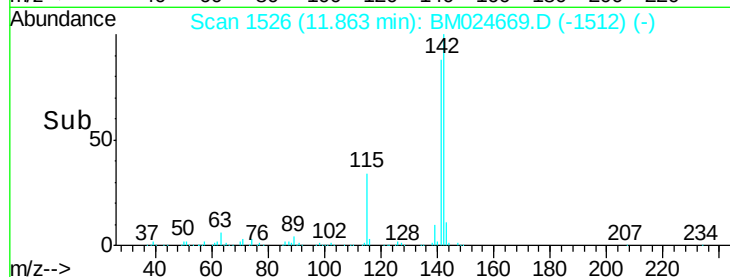
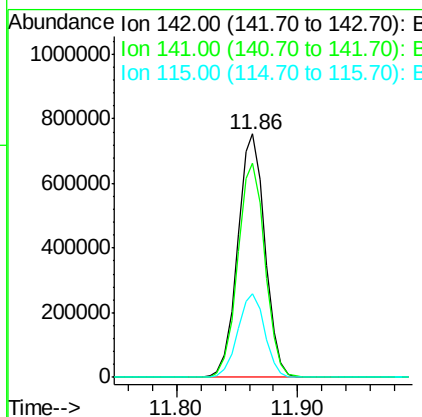
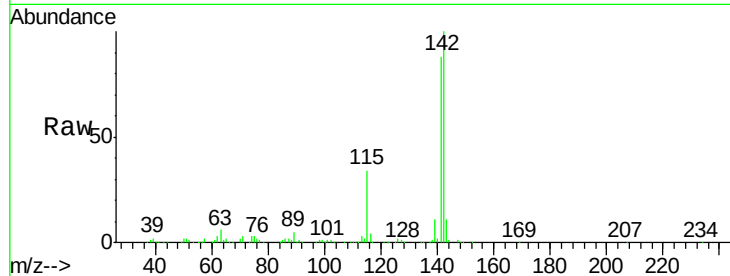
#37
2-Methylnaphthalene
Concen: 46.172 ng
RT: 11.86 min Scan# 1526
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.2	105.2
115	34.3	29.7	44.5

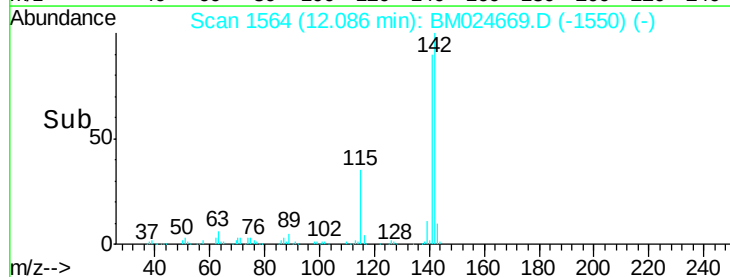
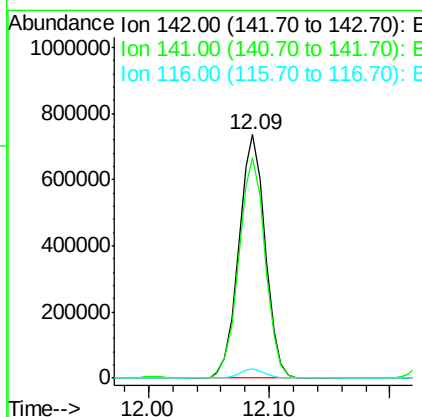
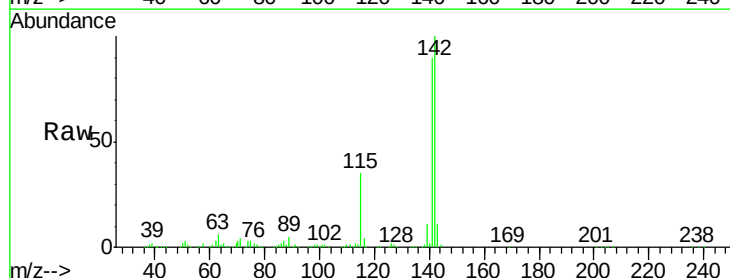
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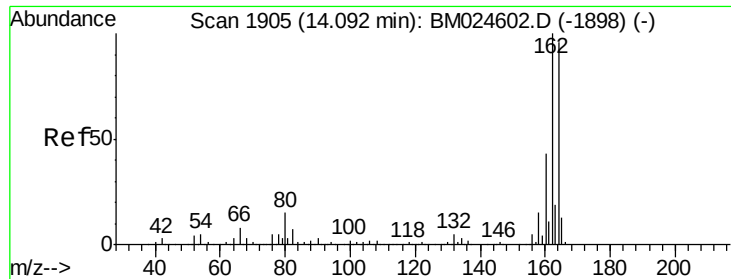
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#38
1-Methylnaphthalene
Concen: 45.963 ng
RT: 12.09 min Scan# 1564
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.8	109.2
116	3.6	3.2	4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.08 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

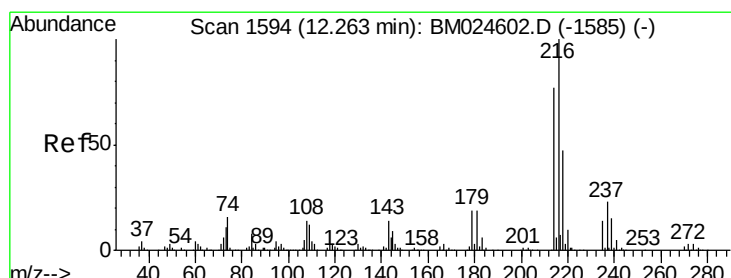
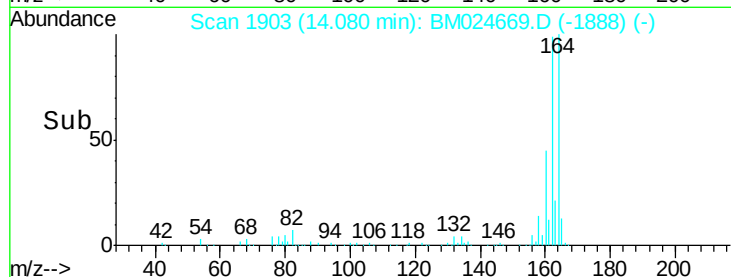
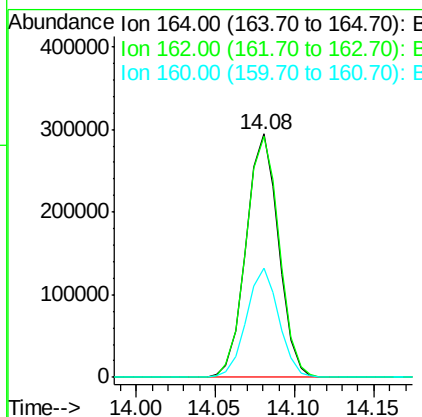
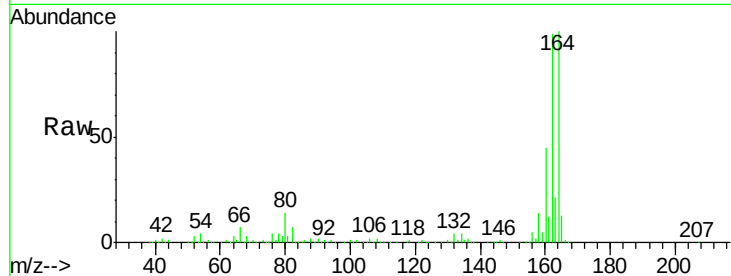
ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:	164	Resp:	419454
Ion Ratio	Lower	Upper	
164	100		
162	98.9	82.9	124.3
160	44.7	35.5	53.3

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.918 ng

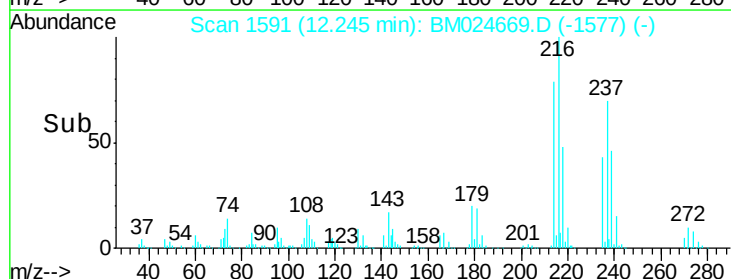
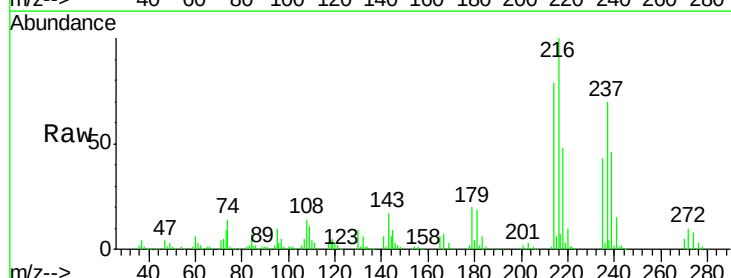
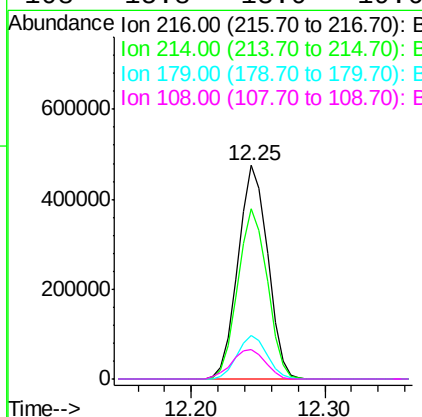
RT: 12.25 min Scan# 1591

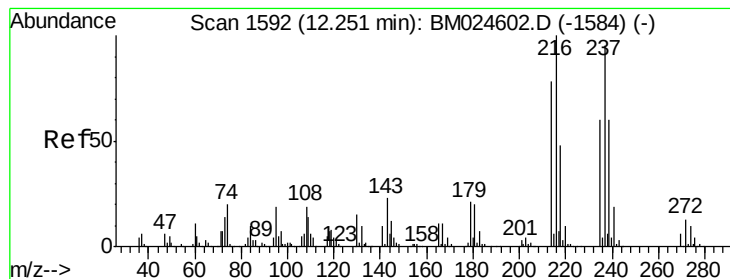
Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	216	Resp:	732322
Ion Ratio	Lower	Upper	
216	100		
214	79.1	62.3	93.5
179	20.3	16.1	24.1
108	15.8	13.0	19.6





#41

Hexachlorocyclopentadiene

Concen: 115.416 ng

RT: 12.23 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

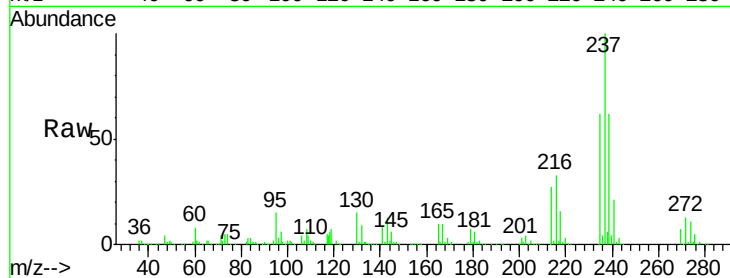
ClientSampleId :

RAINEY-PARK-BH-04-AMS

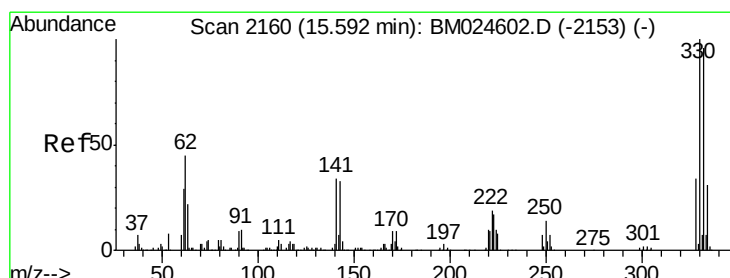
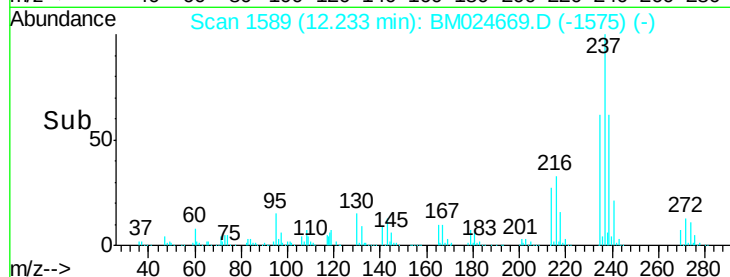
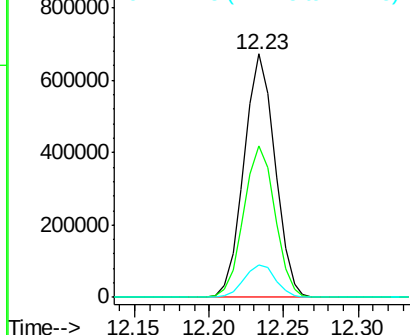
Tot Ion:	237	Resp:	968468
Ion Ratio	Lower	Upper	
237	100		
235	62.4	43.3	83.3
272	13.4	0.0	33.4

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 124.342 ng

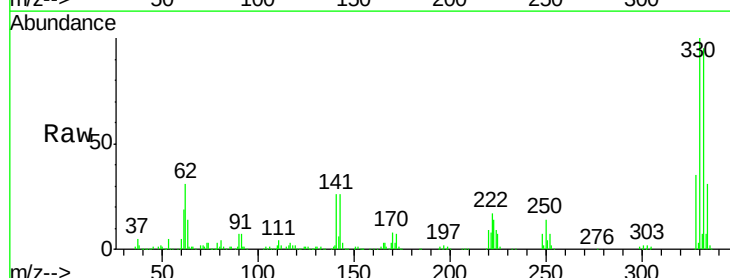
RT: 15.58 min Scan# 2158

Delta R.T. -0.01 min

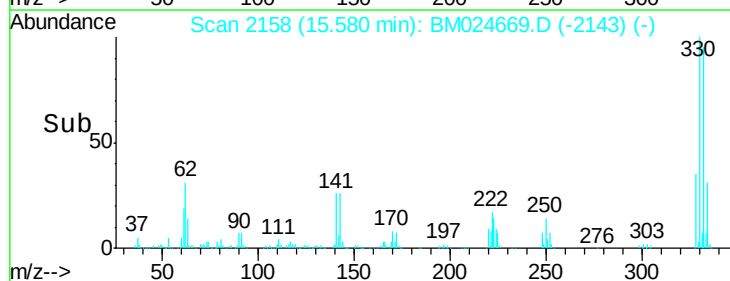
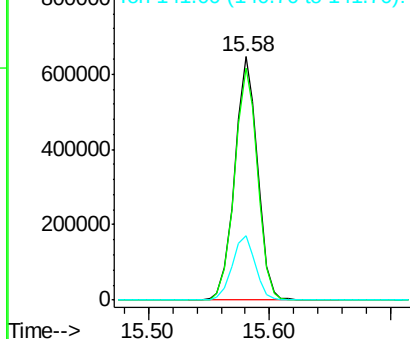
Lab File: BM024669.D

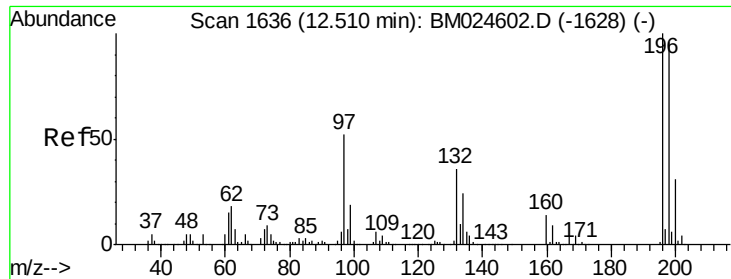
Acq: 30 Jan 2020 21:32

Tgt Ion:	330	Resp:	848390
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.2	115.8
141	27.2	26.9	40.3



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





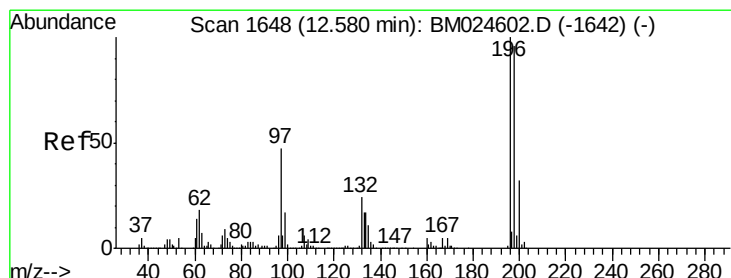
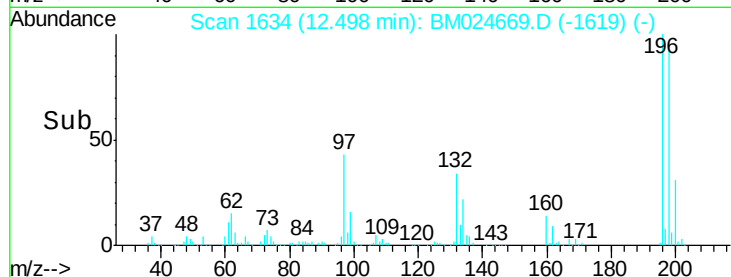
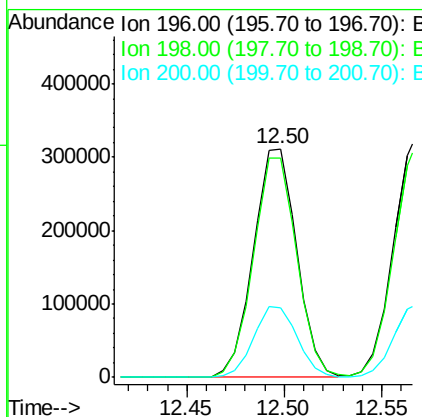
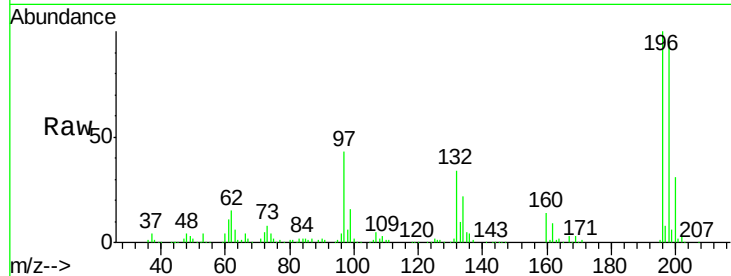
#43
 2,4,6-Trichlorophenol
 Concen: 50.349 ng
 RT: 12.50 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.5	114.7
200	30.6	25.0	37.6

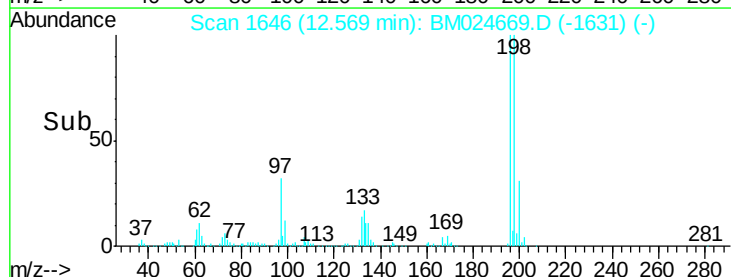
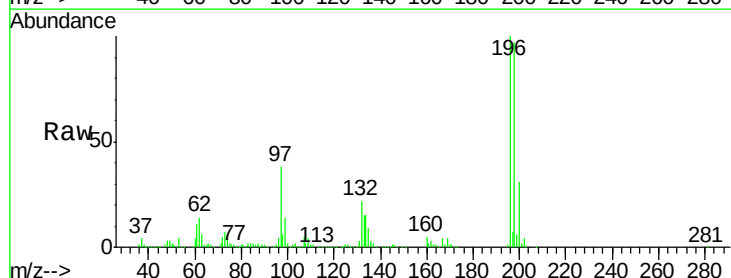
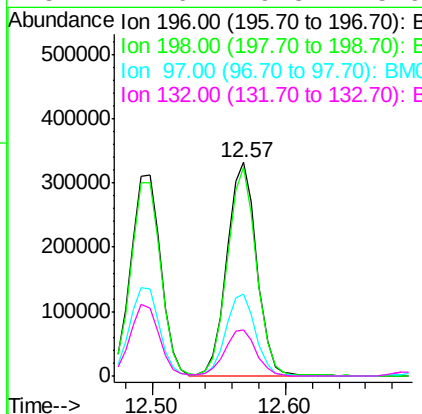
Manual Integrations
 APPROVED

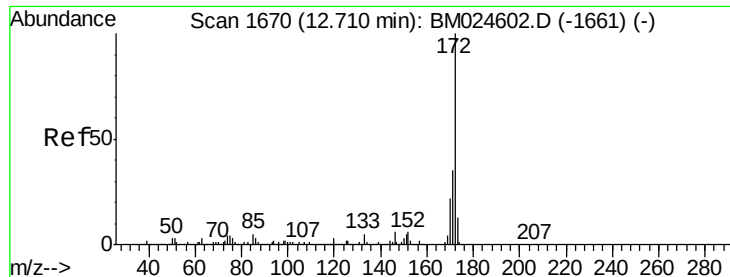
mohammad
 2/3/2020 7:55:38 AM



#44
 2,4,5-Trichlorophenol
 Concen: 52.667 ng
 RT: 12.57 min Scan# 1646
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.4	77.2	115.8
97	38.4	37.4	56.0
132	21.6	19.3	28.9





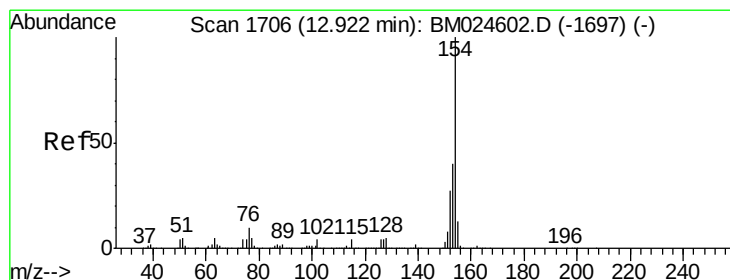
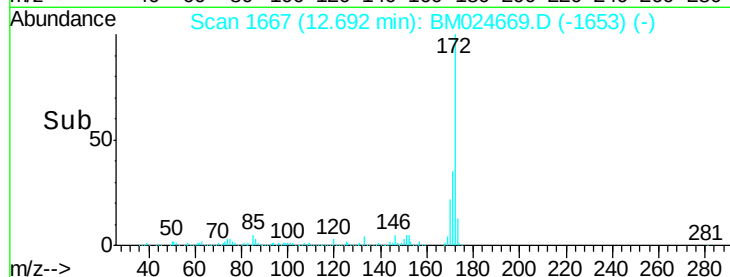
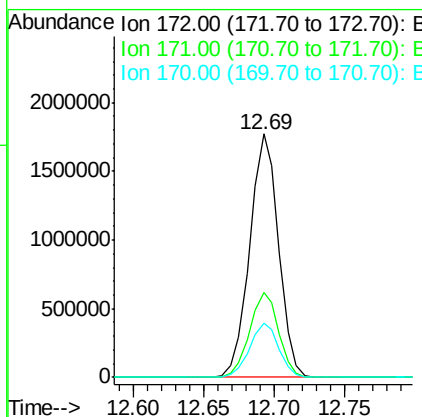
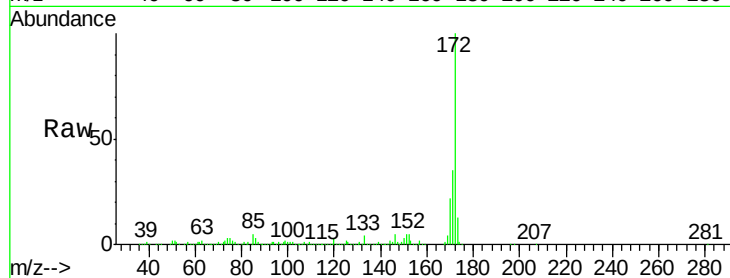
#45
2-Fluorobiphenyl
Concen: 82.434 ng
RT: 12.69 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.3	42.5
170	22.4	17.9	26.9

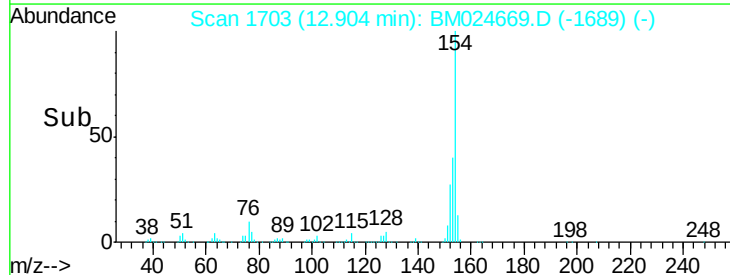
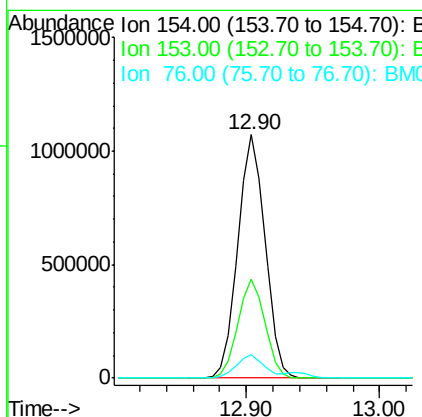
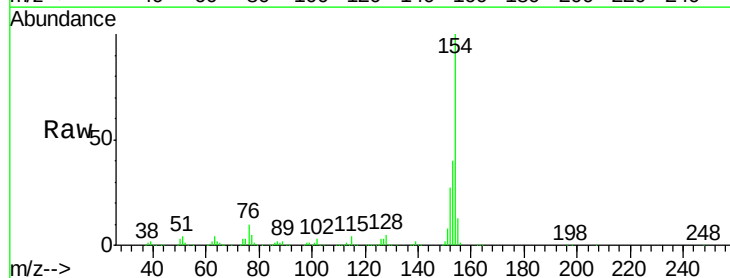
Manual Integrations
APPROVED

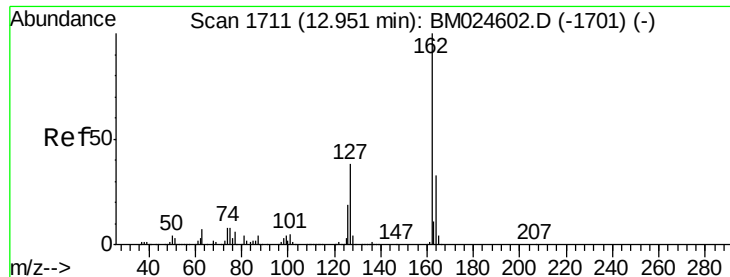
mohammad
2/3/2020 7:55:38 AM



#46
1,1'-Biphenyl
Concen: 47.835 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	9.7	0.0	30.5





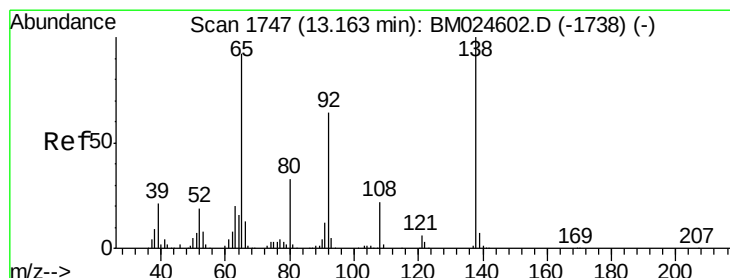
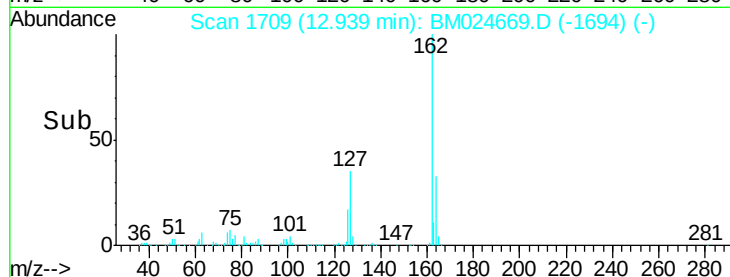
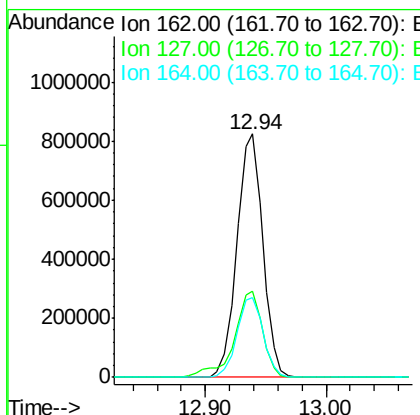
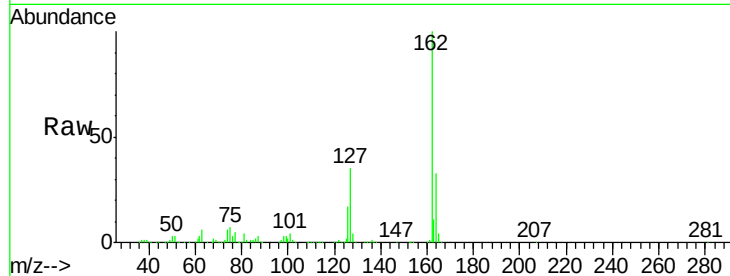
#47
 2-Chloronaphthalene
 Concen: 48.182 ng
 RT: 12.94 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
162	100		
127	35.2	30.4	45.6
164	32.8	26.5	39.7

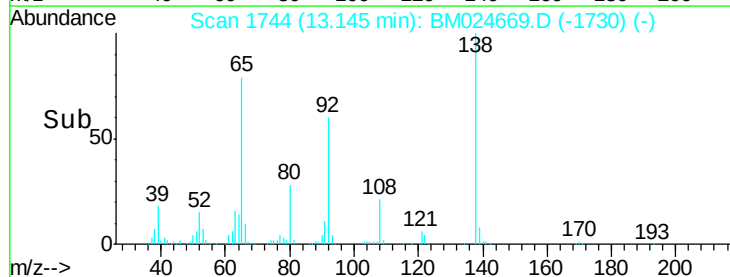
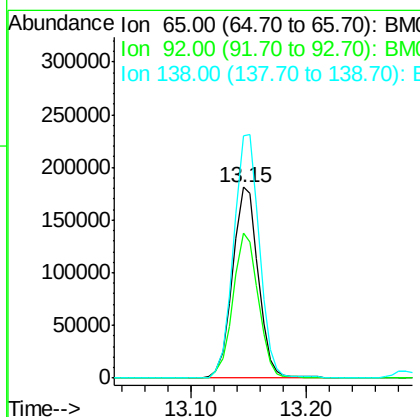
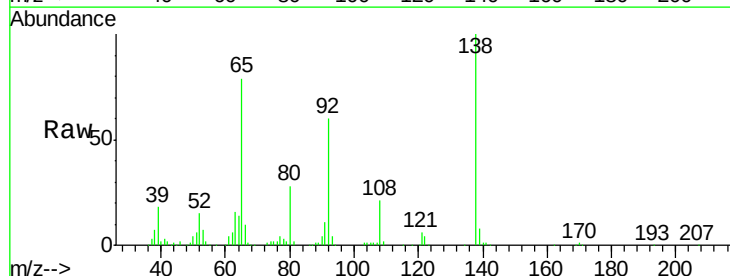
Manual Integrations
 APPROVED

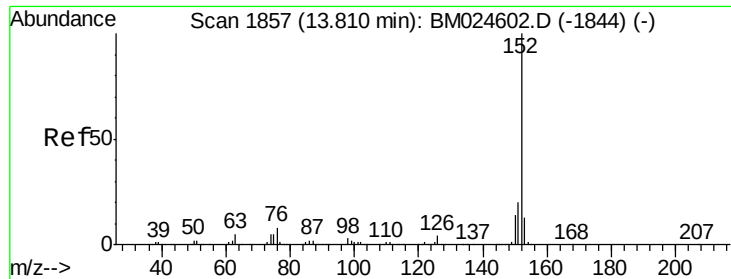
mohammad
 2/3/2020 7:55:38 AM



#48
 2-Nitroaniline
 Concen: 35.812 ng
 RT: 13.15 min Scan# 1744
 Delta R.T. -0.02 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.9	55.4	83.2
138	127.2	86.6	129.8





#49

Acenaphthylene

Concen: 49.268 ng

RT: 13.79 min Scan# 1854

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:152 Resp: 1890088

Ion Ratio Lower Upper

152 100

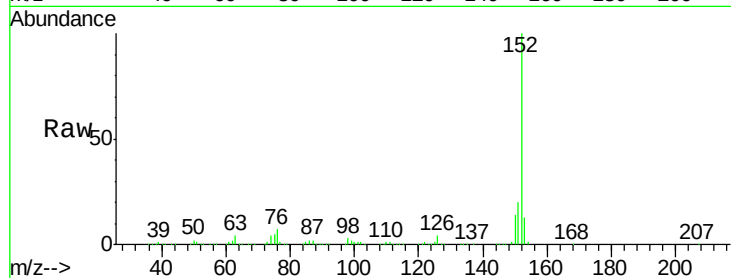
151 19.5 15.8 23.6

153 13.2 10.4 15.6

Manual Integrations
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mohammad

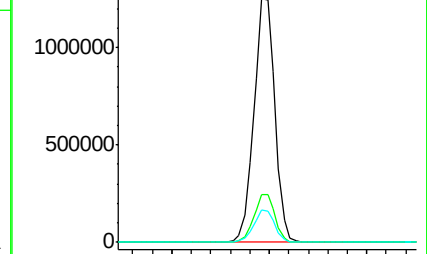
2/3/2020 7:55:38 AM



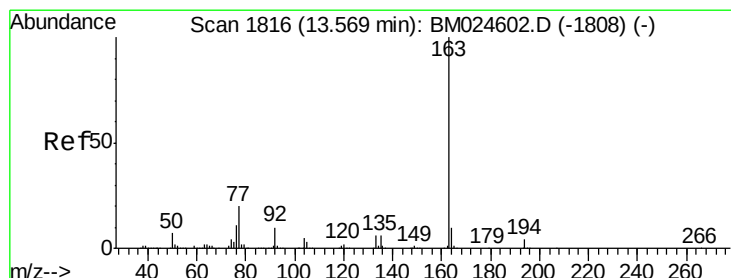
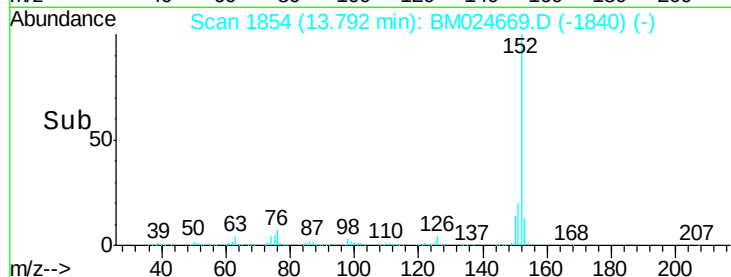
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#50

Dimethylphthalate

Concen: 47.289 ng

RT: 13.56 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

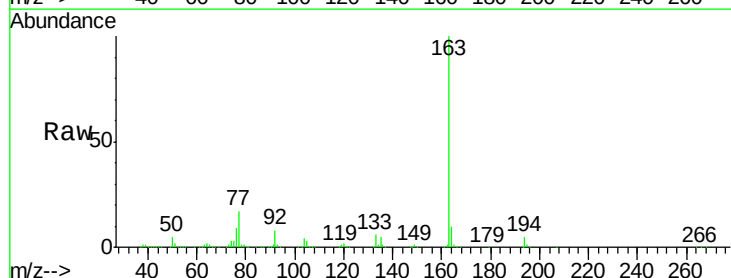
Tgt Ion:163 Resp: 1603938

Ion Ratio Lower Upper

163 100

194 4.8 3.4 5.0

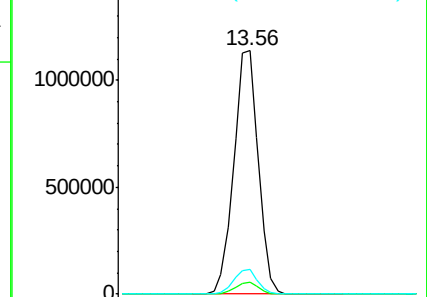
164 10.1 8.0 12.0



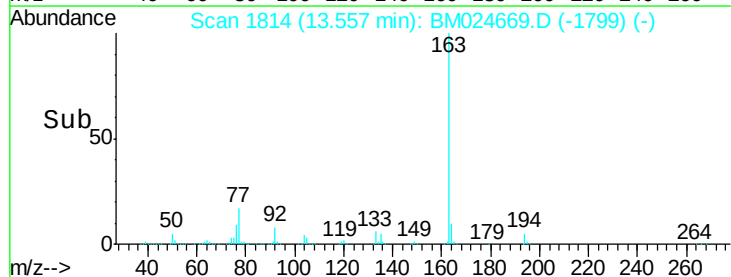
Abundance Ion 163.00 (162.70 to 163.70): E

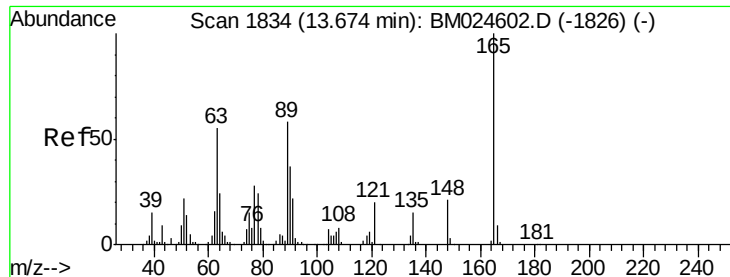
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



Time-->





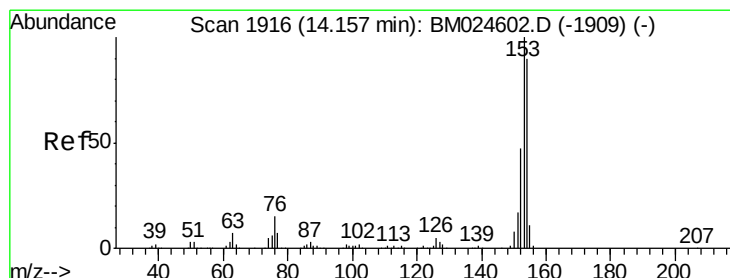
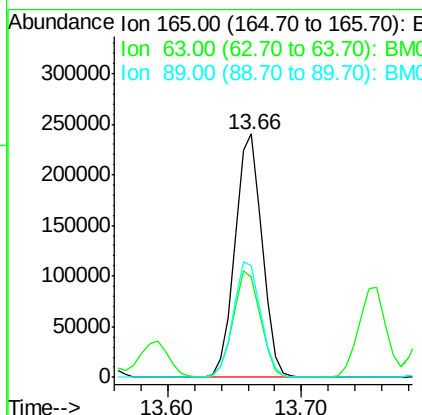
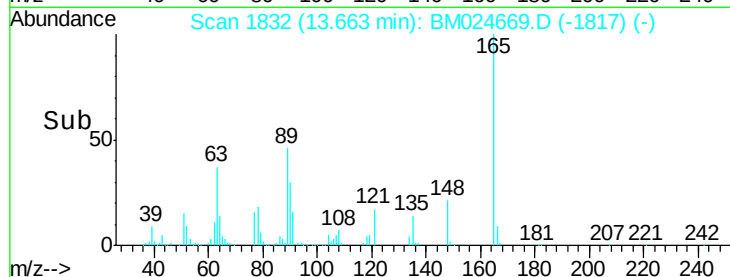
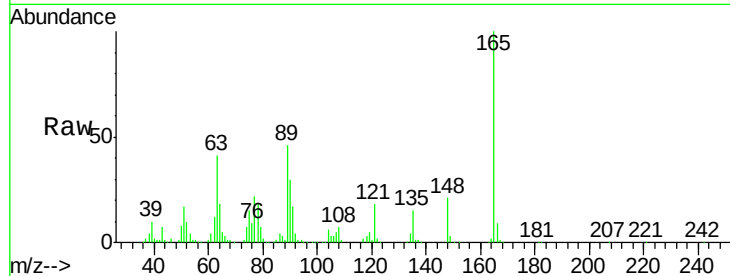
#51
 2,6-Dinitrotoluene
 Concen: 46.887 ng
 RT: 13.66 min Scan# 1832
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	41.4	45.4	68.0#	
89	45.7	46.6	69.8#	

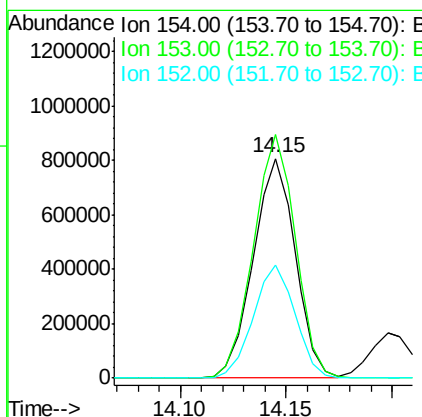
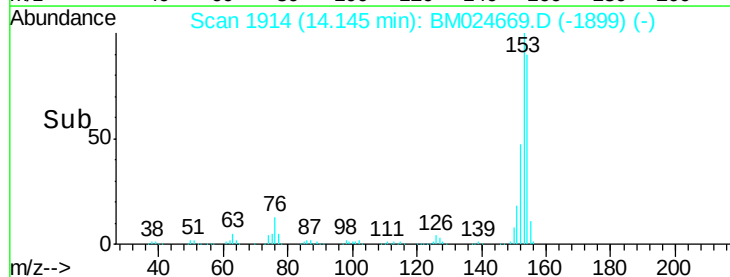
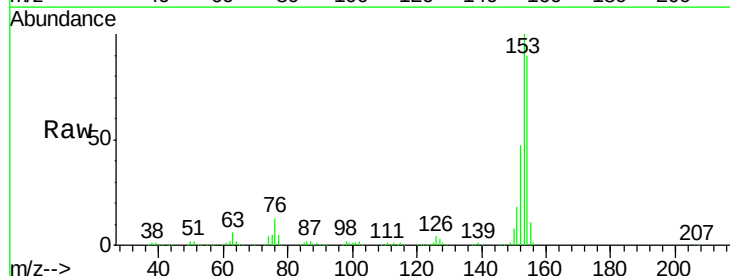
Manual Integrations
 APPROVED

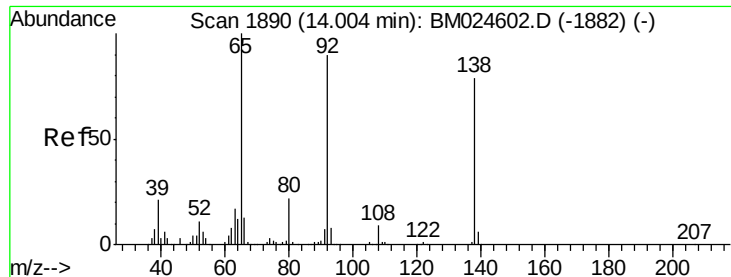
mohammad
 2/3/2020 7:55:38 AM



#52
 Acenaphthene
 Concen: 47.102 ng
 RT: 14.15 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	110.8	89.1	133.7	
152	51.6	41.9	62.9	





#53

3-Nitroaniline

Concen: 23.155 ng

RT: 13.99 min Scan# 1887

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

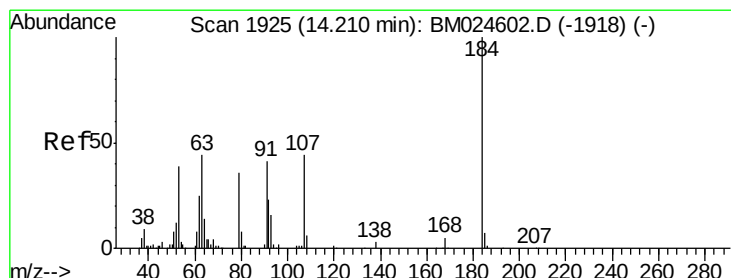
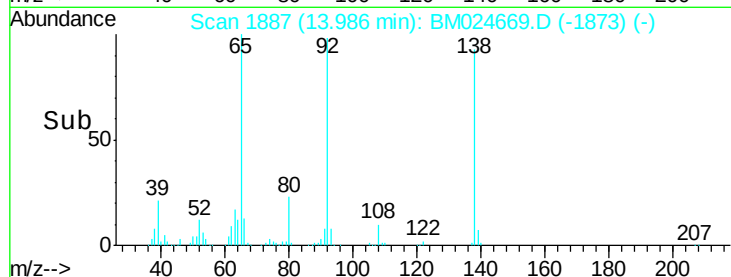
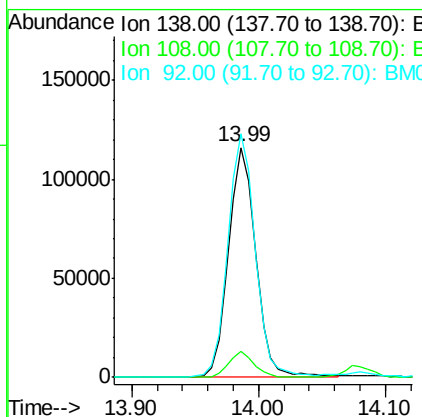
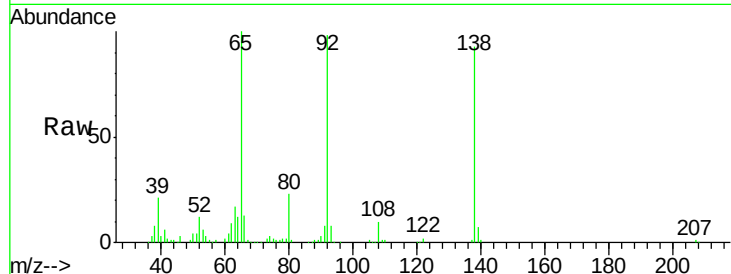
ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:	138	Resp:	173186
Ion Ratio	Lower	Upper	
138	100		
108	11.3	8.7	13.1
92	106.0	91.0	136.4

Manual Integrations
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mohammad
2/3/2020 7:55:38 AM



#54

2,4-Dinitrophenol

Concen: 95.792 ng

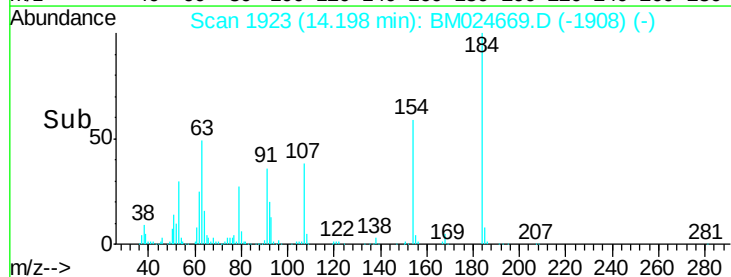
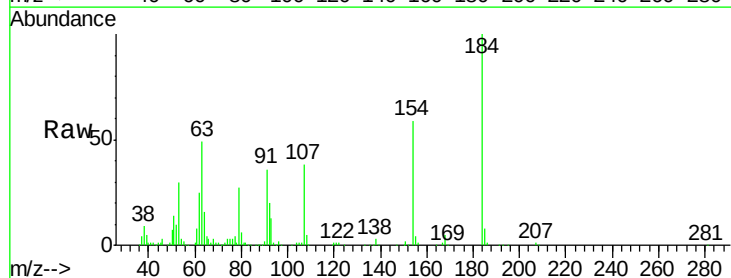
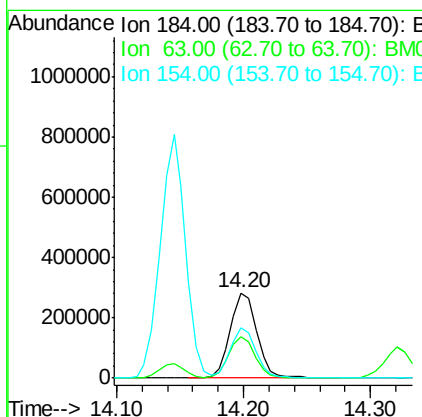
RT: 14.20 min Scan# 1923

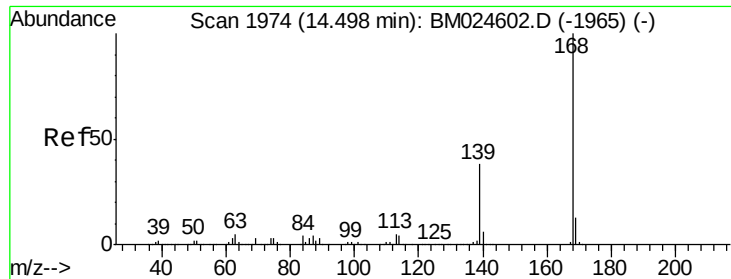
Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:	184	Resp:	413081
Ion Ratio	Lower	Upper	
184	100		
63	49.0	51.8	77.8#
154	59.0	50.2	75.4





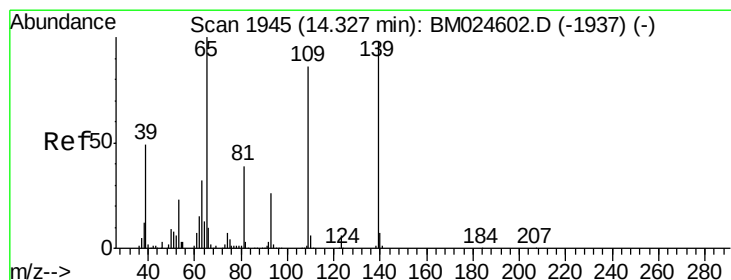
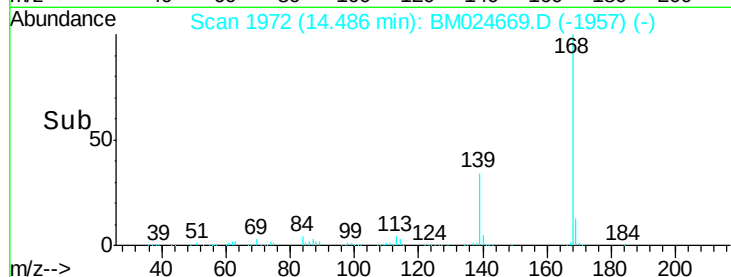
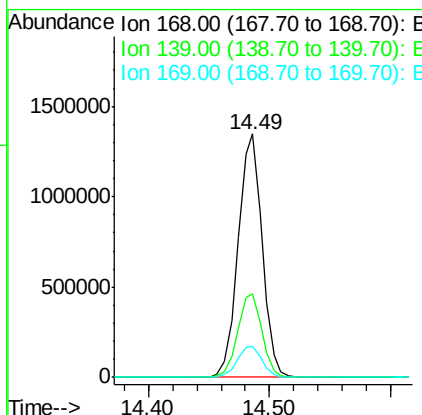
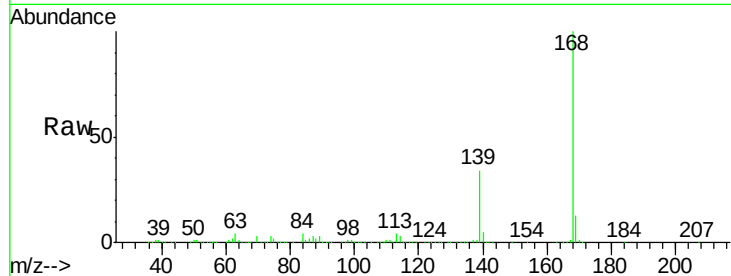
#55
Dibenzofuran
Concen: 48.017 ng
RT: 14.49 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.4	30.2	45.4
169	13.0	10.7	16.1

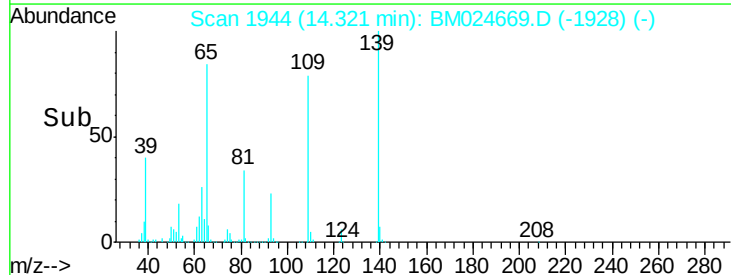
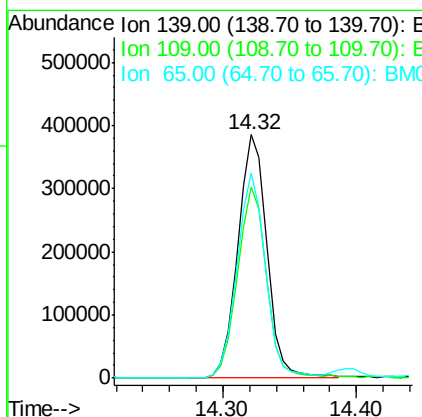
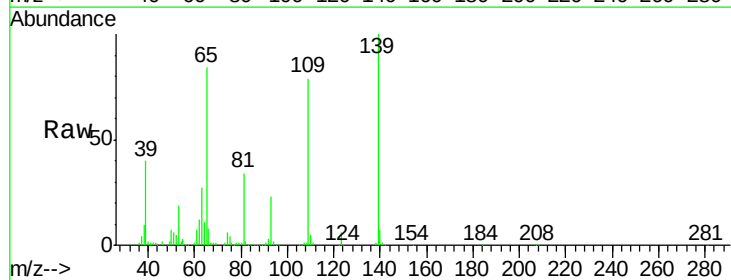
Manual Integrations
APPROVED

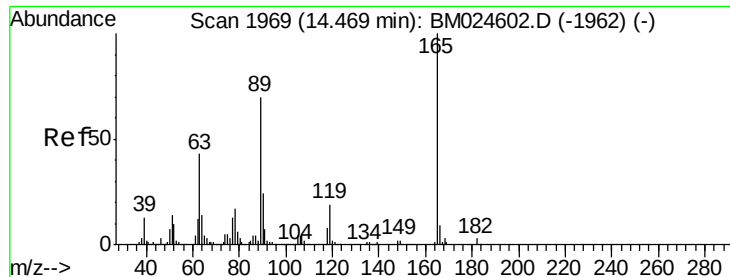
mohammad
2/3/2020 7:55:38 AM



#56
4-Nitrophenol
Concen: 99.806 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
139	100		
109	78.6	67.4	107.4
65	84.3	82.1	122.1





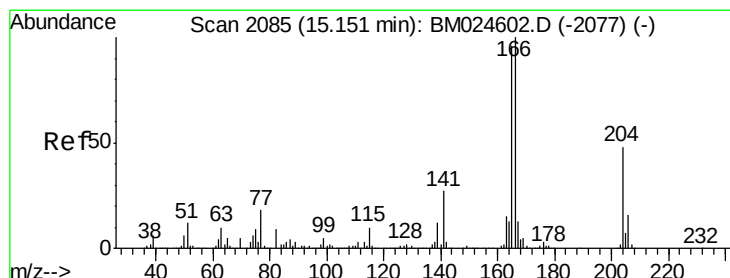
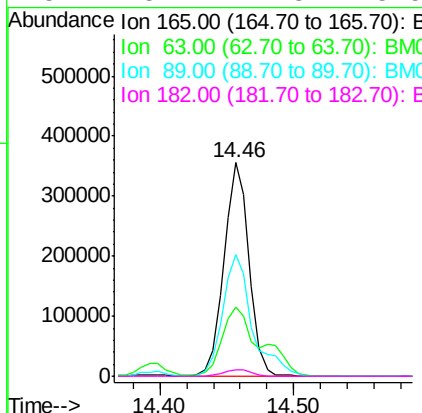
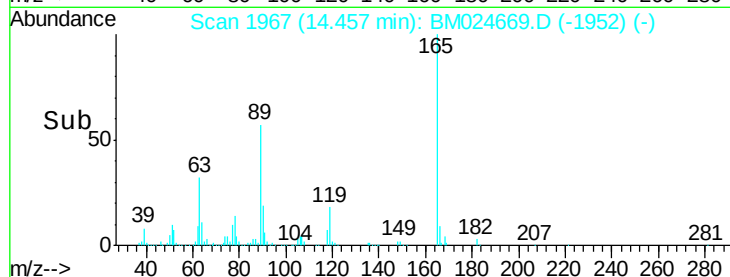
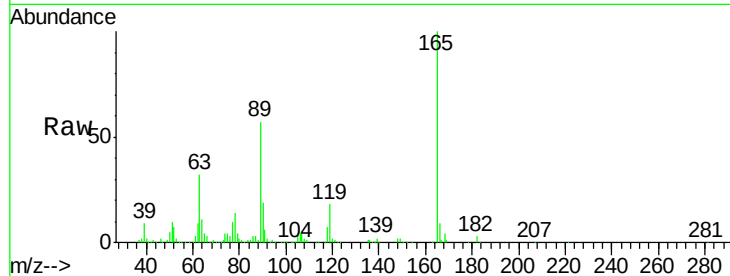
#57
2,4-Dinitrotoluene
Concen: 45.197 ng
RT: 14.46 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	467111		
63	32.4	34.5	51.7#	
89	56.8	55.8	83.8	
182	3.1	2.3	3.5	

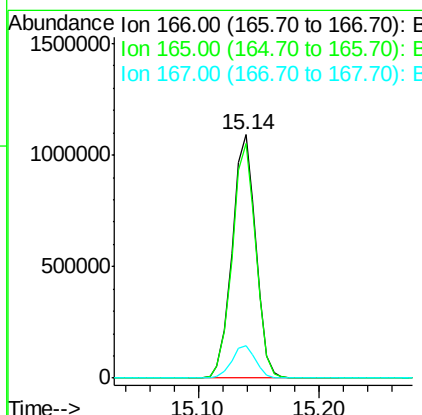
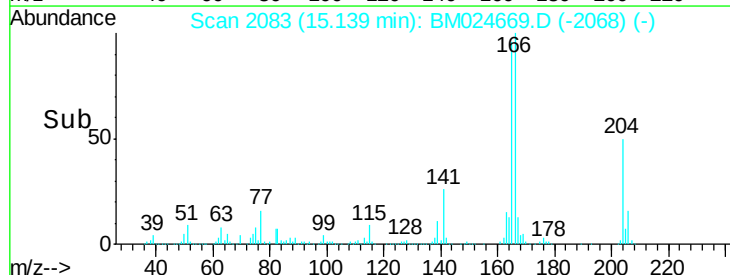
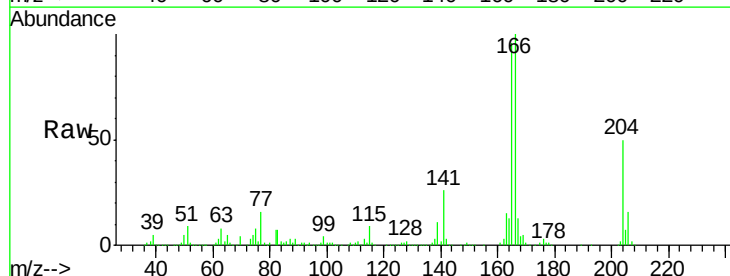
Manual Integrations
APPROVED

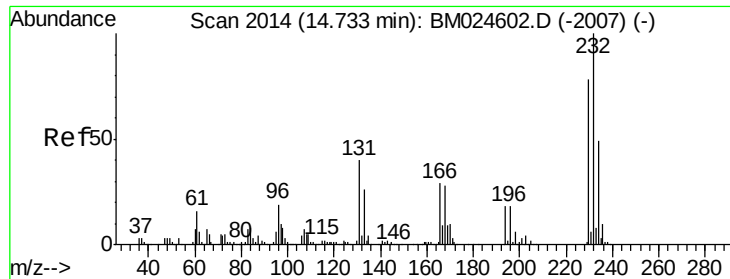
mohammad
2/3/2020 7:55:38 AM



#58
Fluorene
Concen: 45.408 ng
RT: 15.14 min Scan# 2083
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1481501		
165	96.5	76.6	114.8	
167	13.3	10.8	16.2	





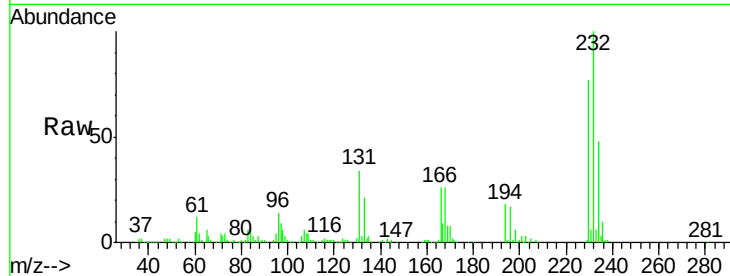
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.894 ng
RT: 14.72 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

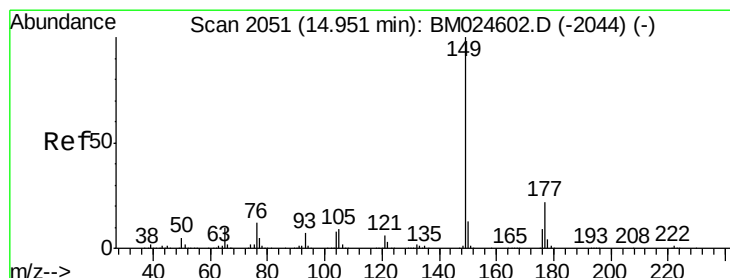
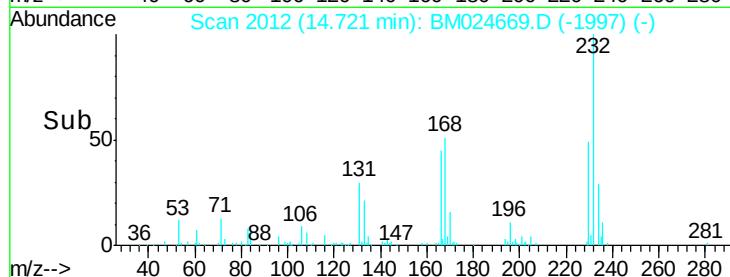
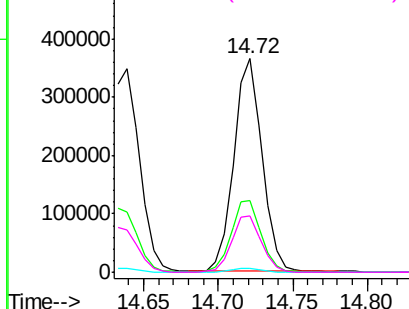
Tot Ion	Ratio	Resp	Lower	Upper
232	100	482399		
131	35.8		32.2	48.4
130	2.0		1.9	2.9
166	28.0		23.4	35.0

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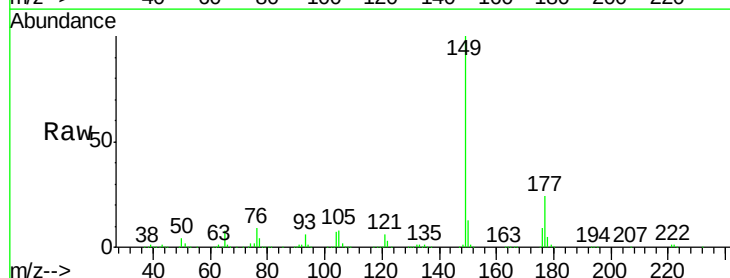


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

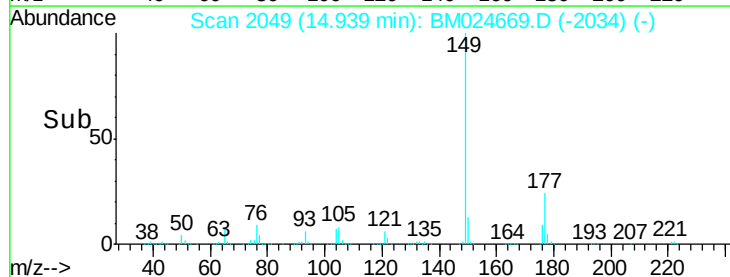
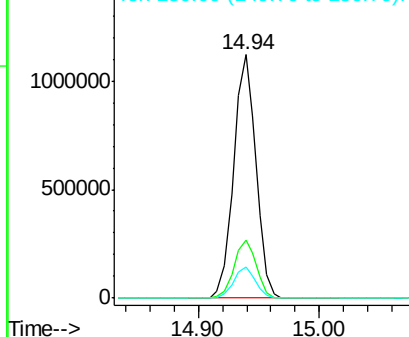


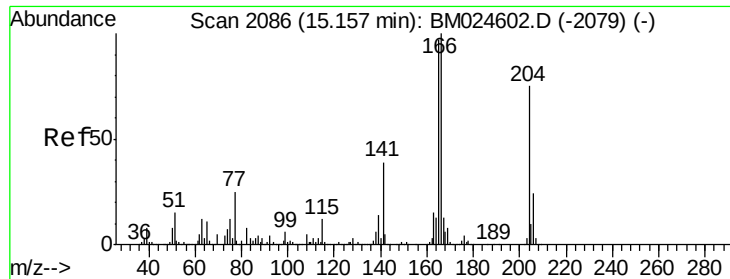
#60
Diethylphthalate
Concen: 41.701 ng
RT: 14.94 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1435959		
177	24.0		18.0	27.0
150	12.6		10.2	15.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





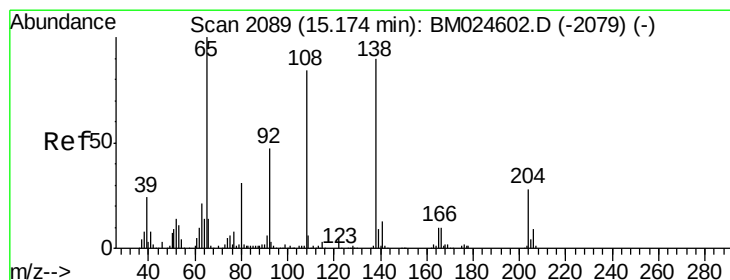
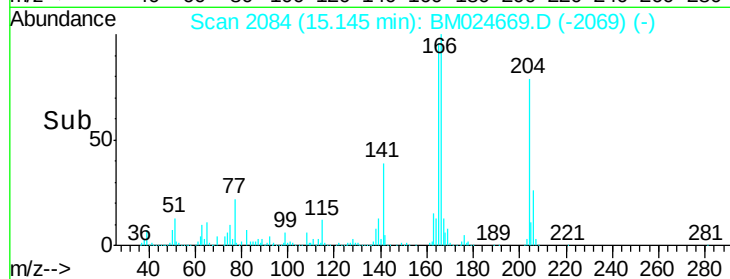
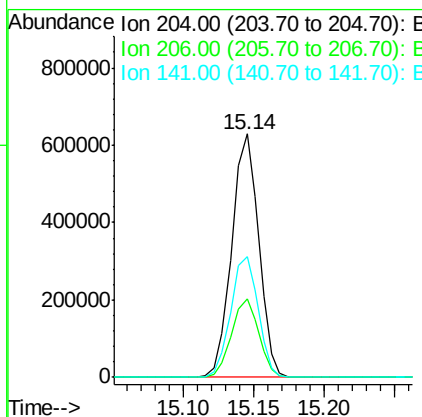
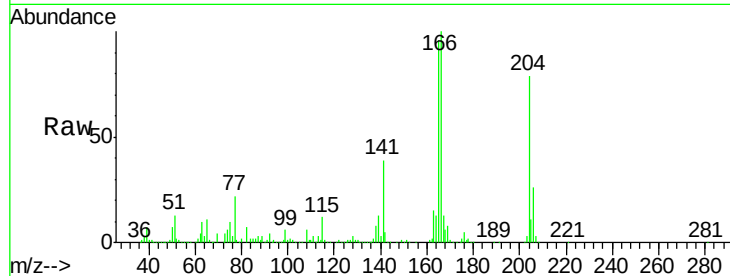
#61
 4-Chlorophenyl-phenylether
 Concen: 44.534 ng
 RT: 15.14 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.2	39.2
141	49.4	42.2	63.2

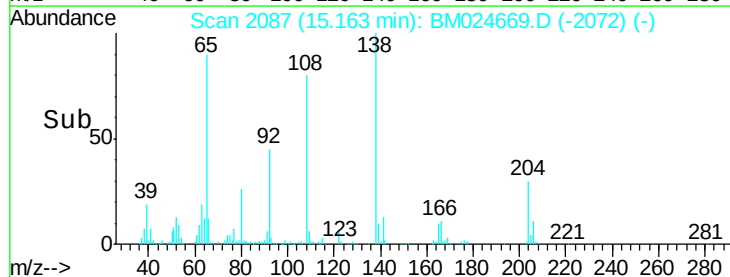
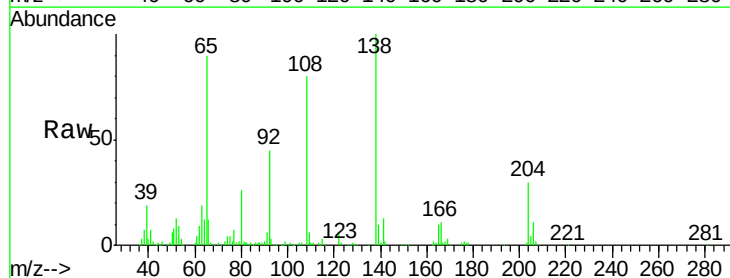
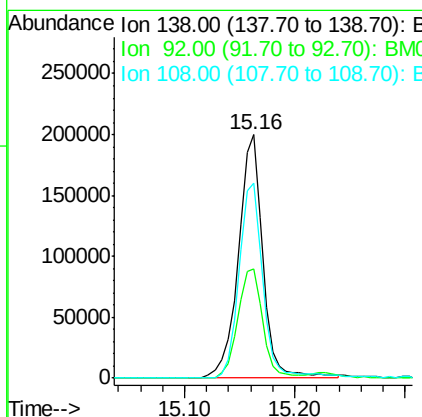
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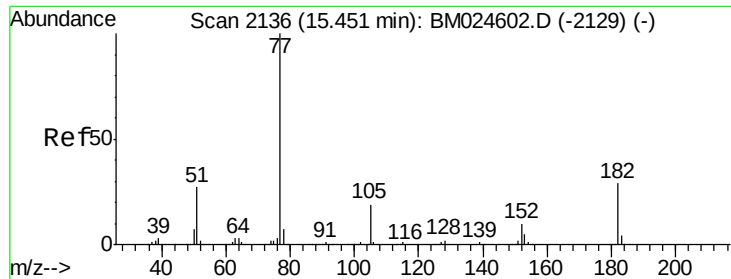
mohammad
 2/3/2020 7:55:38 AM



#62
 4-Nitroaniline
 Concen: 37.795 ng
 RT: 15.16 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
138	100		
92	44.7	32.4	72.4
108	80.3	73.3	113.3





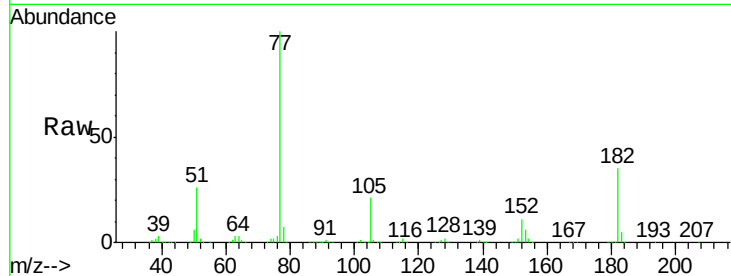
#63
Azobenzene
Concen: 38.019 ng
RT: 15.43 min Scan# 2133
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

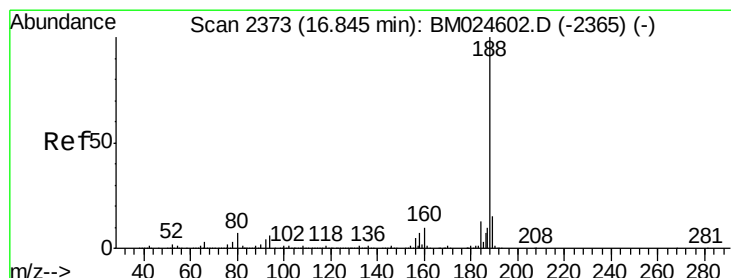
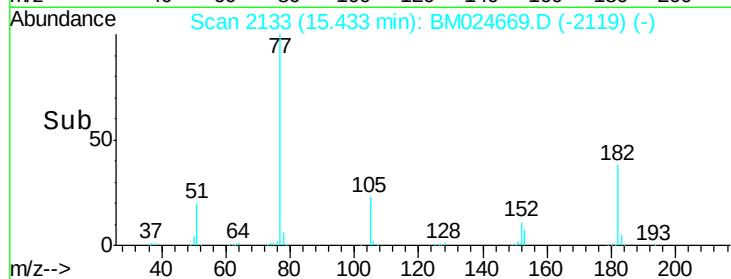
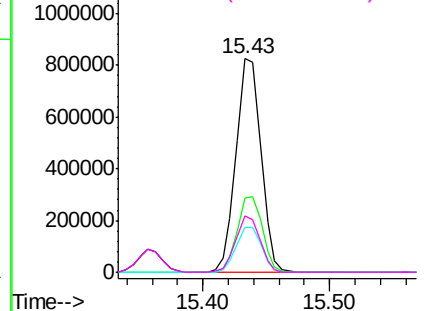
Tot Ion:	77	Resp:	1116710
Ion	Ratio	Lower	Upper
77	100		
182	34.8	8.7	48.7
105	21.2	0.0	39.2
51	26.2	7.5	47.5

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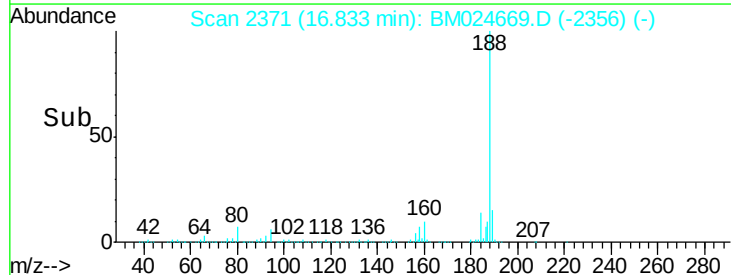
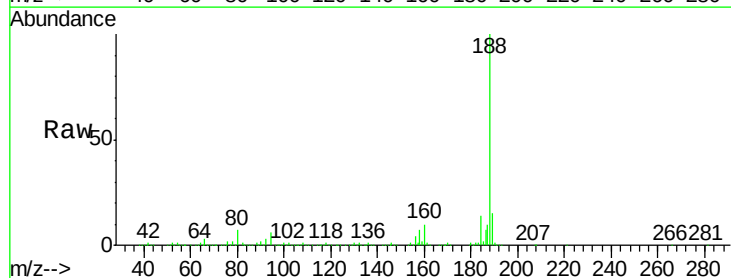
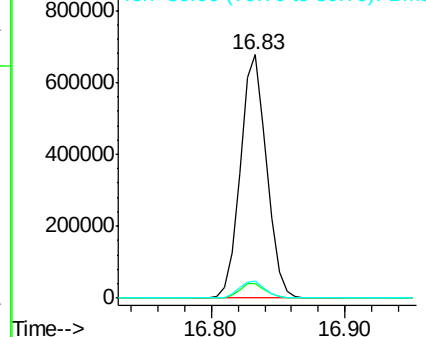
Abundance Ion 77.00 (76.70 to 77.70): BM024669.D (-2119) (-)
Ion 182.00 (181.70 to 182.70): BM024669.D (-2119) (-)
Ion 105.00 (104.70 to 105.70): BM024669.D (-2119) (-)
Ion 51.00 (50.70 to 51.70): BM024669.D (-2119) (-)

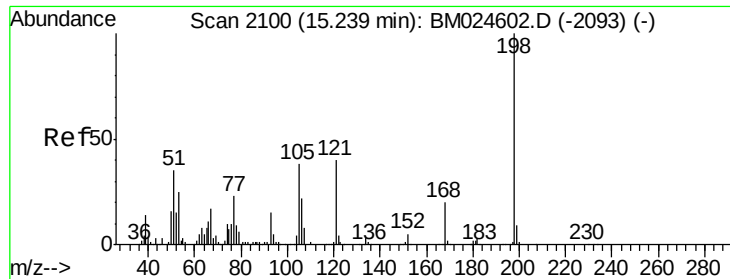


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2371
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion:	188	Resp:	921814
Ion	Ratio	Lower	Upper
188	100		
94	6.0	5.0	7.6
80	7.3	5.8	8.8

Abundance Ion 188.00 (187.70 to 188.70): BM024669.D (-2356) (-)
Ion 94.00 (93.70 to 94.70): BM024669.D (-2356) (-)
Ion 80.00 (79.70 to 80.70): BM024669.D (-2356) (-)





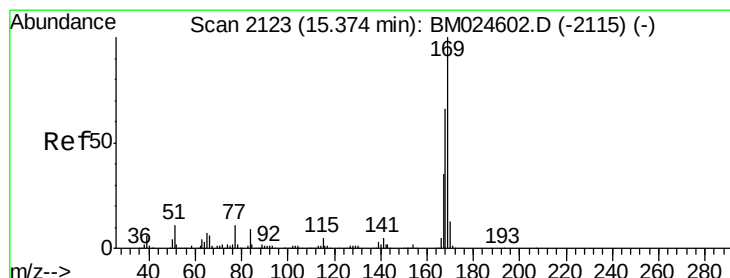
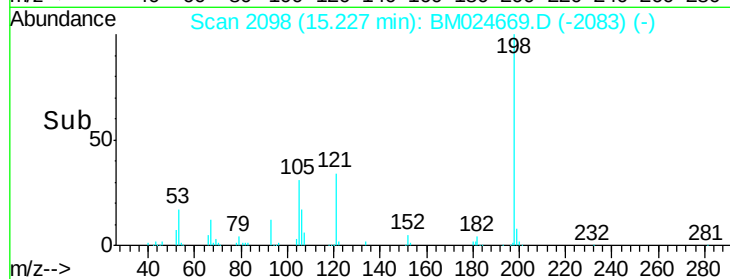
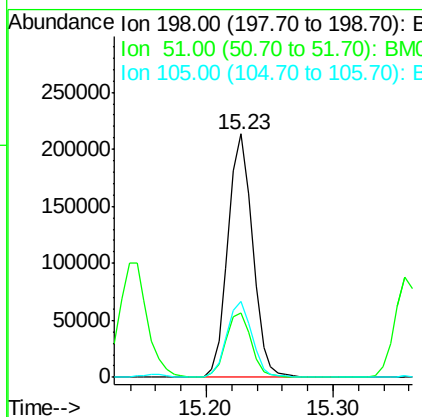
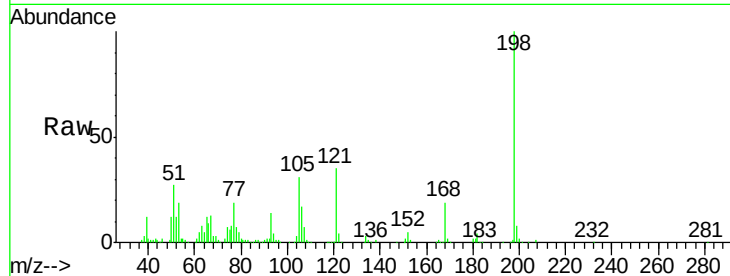
#65
 4,6-Dinitro-2-methylphenol
 Concen: 53.279 ng
 RT: 15.23 min Scan# 2098
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
198	100		
51	26.6	15.8	55.8
105	31.5	18.5	58.5

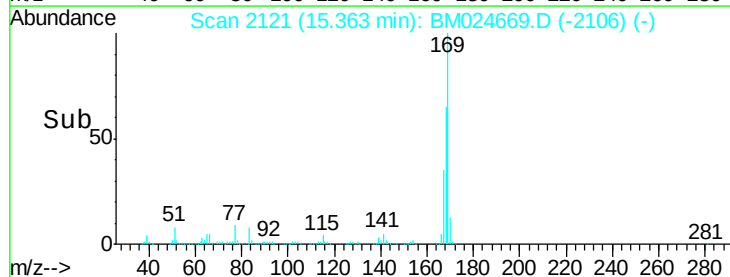
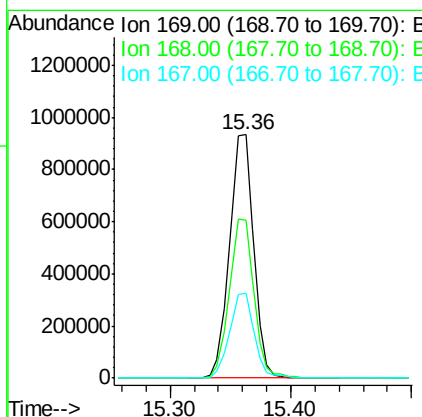
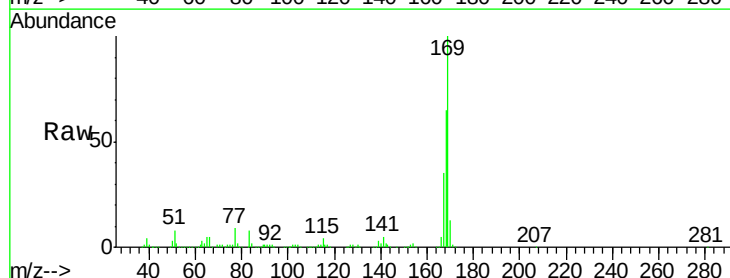
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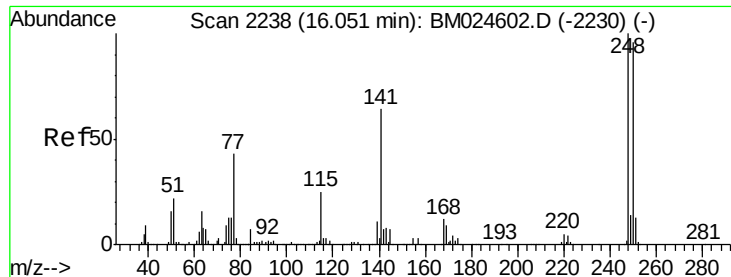
mohammad
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#66
 n-Nitrosodiphenylamine
 Concen: 49.386 ng
 RT: 15.36 min Scan# 2121
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
169	100		
168	65.1	52.8	79.2
167	34.6	28.2	42.2





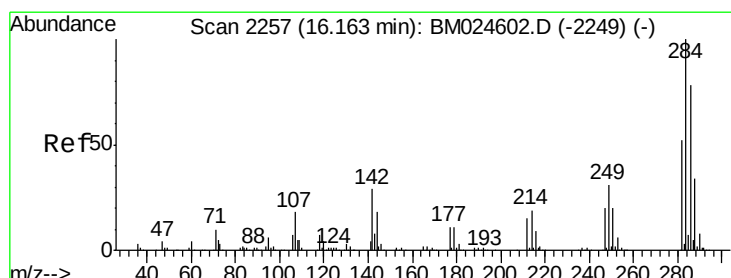
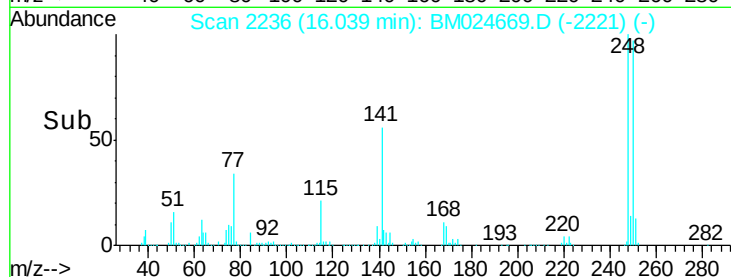
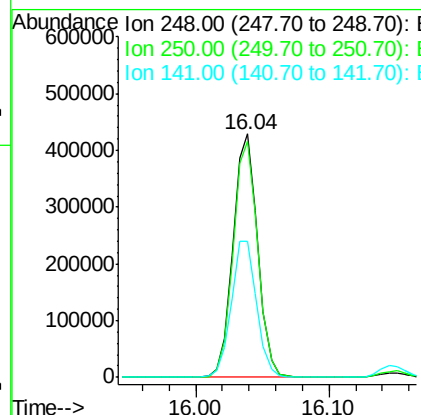
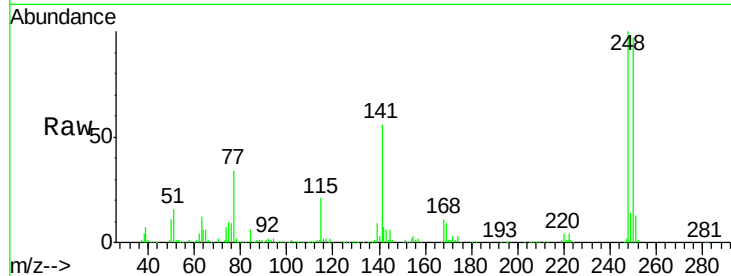
#67
 4-Bromophenyl-phenylether
 Concen: 48.284 ng
 RT: 16.04 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Tot Ion:	248	Resp:	553501
Ion Ratio	Lower	Upper	
248	100		
250	97.0	77.0	115.6
141	56.0	50.9	76.3

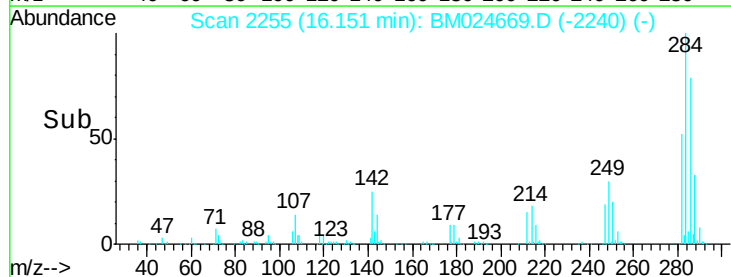
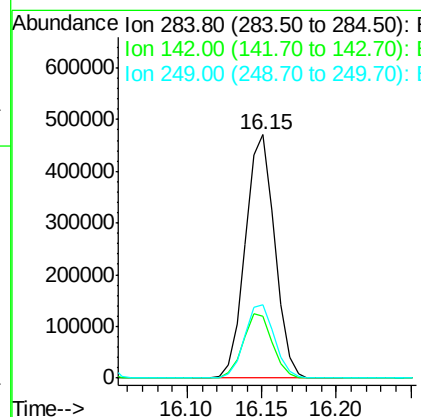
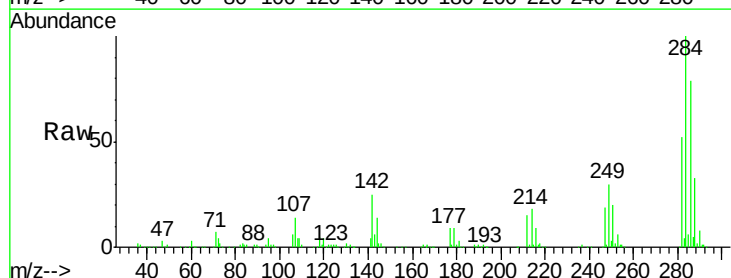
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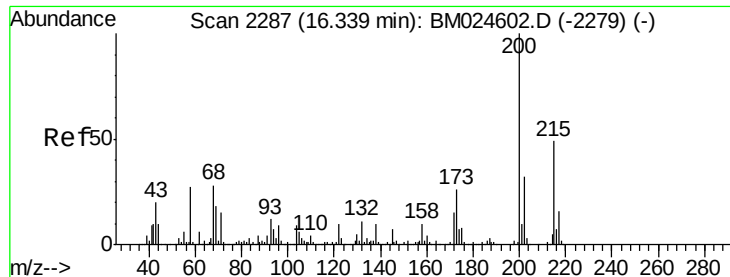
mohammad
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#68
 Hexachlorobenzene
 Concen: 48.737 ng
 RT: 16.15 min Scan# 2255
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Tgt Ion:	284	Resp:	641137
Ion Ratio	Lower	Upper	
284	100		
142	25.4	23.5	35.3
249	30.3	24.6	36.8





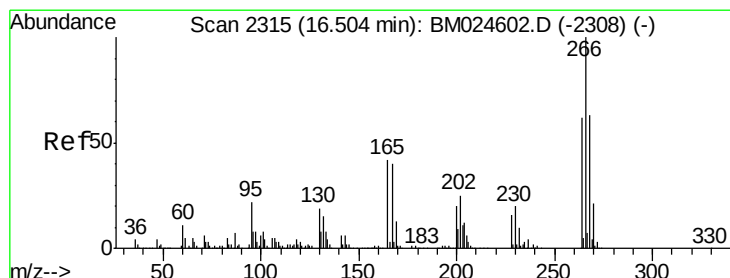
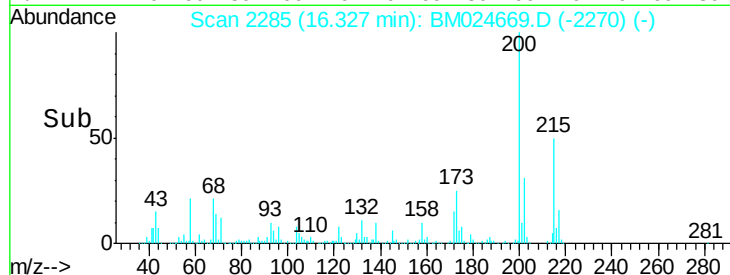
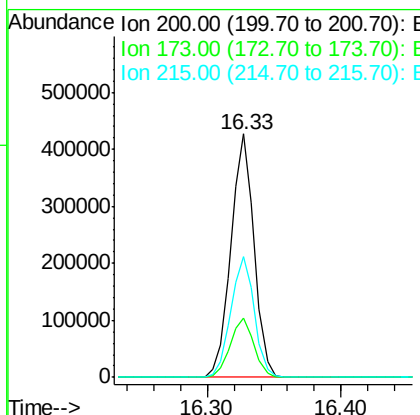
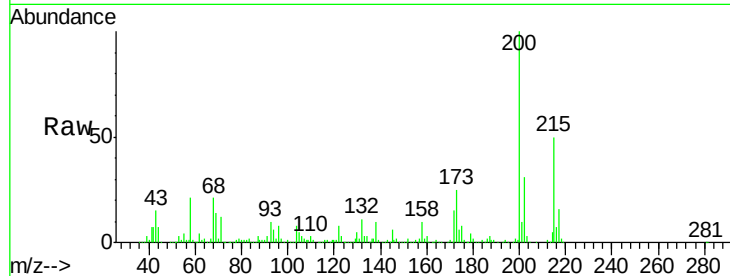
#69
Atrazine
Concen: 50.991 ng
RT: 16.33 min Scan# 2285
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	518271		
173	24.5	5.5	45.5	
215	49.6	29.4	69.4	

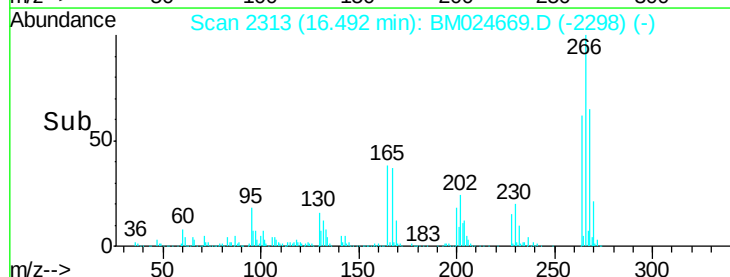
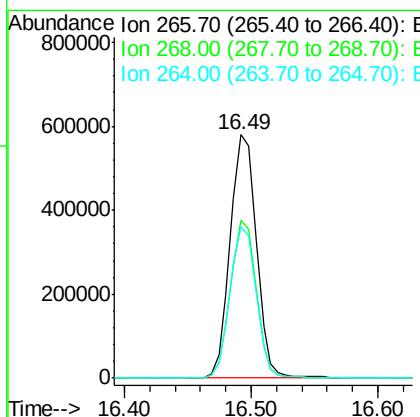
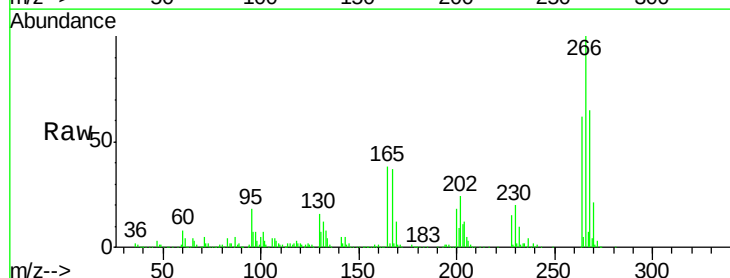
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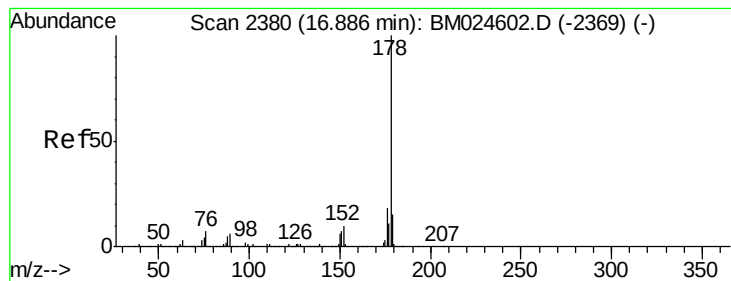
mohammad
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#70
Pentachlorophenol
Concen: 103.759 ng
RT: 16.49 min Scan# 2313
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	831408		
268	64.9	50.4	75.6	
264	62.1	49.9	74.9	





#71

Phenanthrene

Concen: 47.756 ng

RT: 16.87 min Scan# 2378

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:178 Resp: 2383884

Ion Ratio Lower Upper

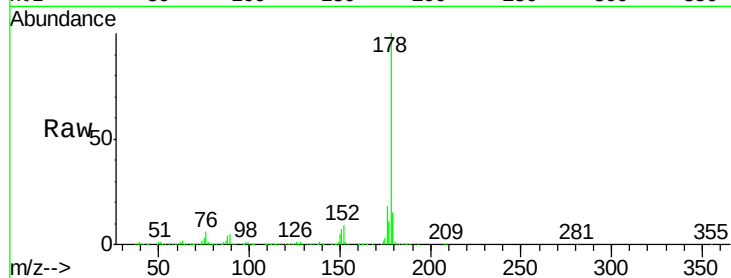
178 100

176 18.4 14.5 21.7

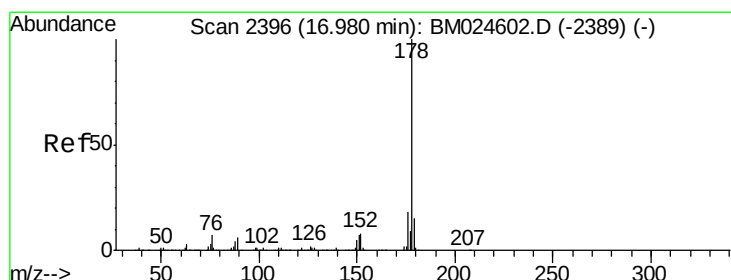
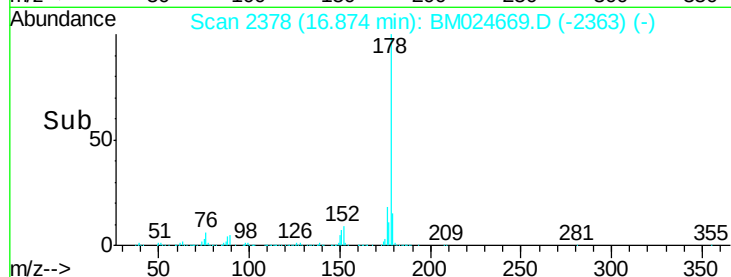
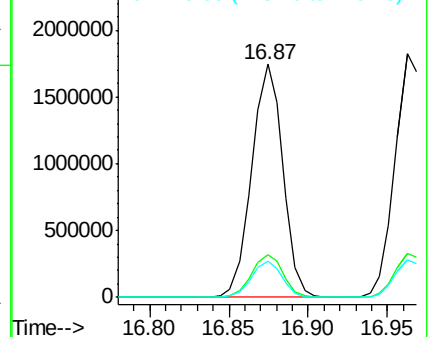
179 15.3 11.9 17.9

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Abundance Ion 178.00 (177.70 to 178.70): E
2500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 49.913 ng

RT: 16.96 min Scan# 2393

Delta R.T. -0.02 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Tgt Ion:178 Resp: 2437887

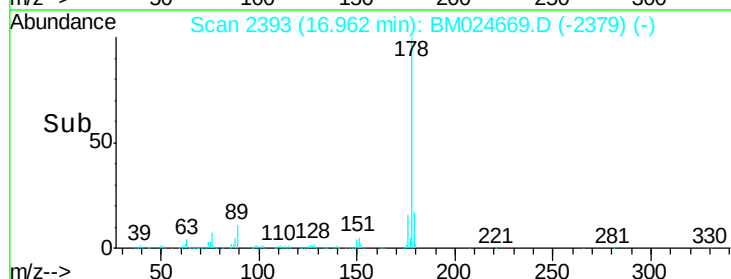
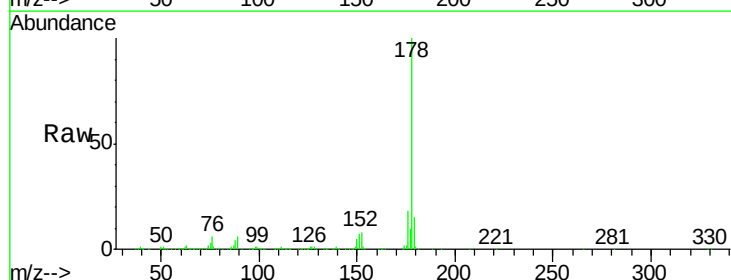
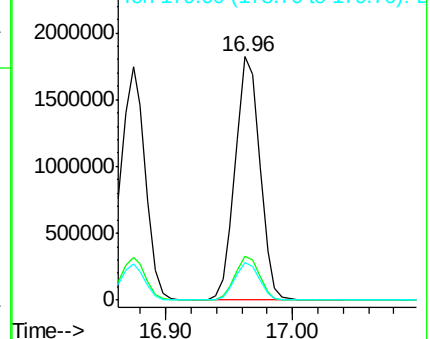
Ion Ratio Lower Upper

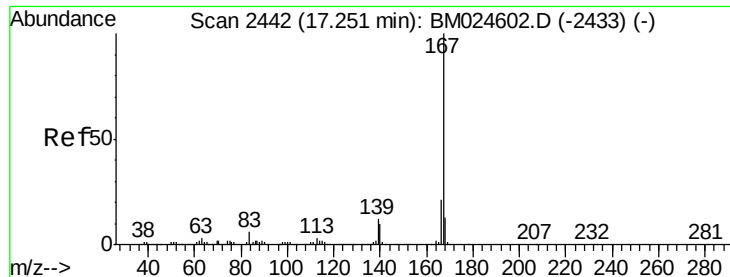
178 100

176 17.9 14.3 21.5

179 15.2 12.1 18.1

Abundance Ion 178.00 (177.70 to 178.70): E
2500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





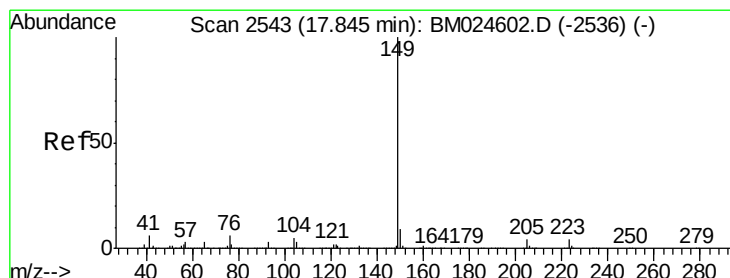
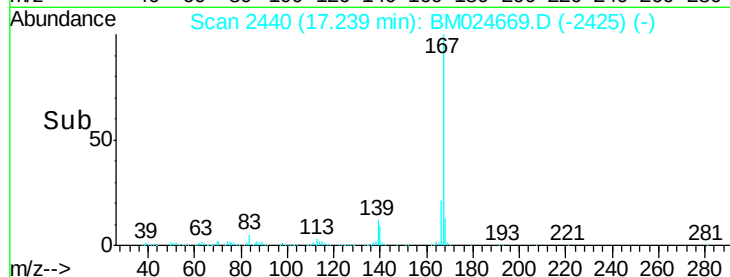
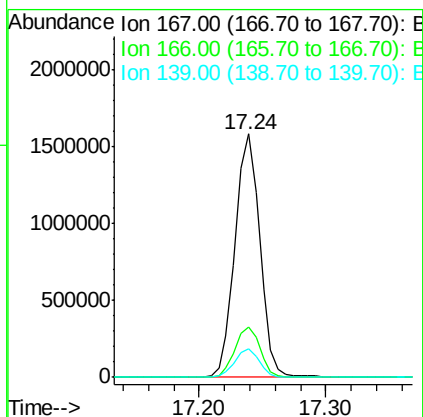
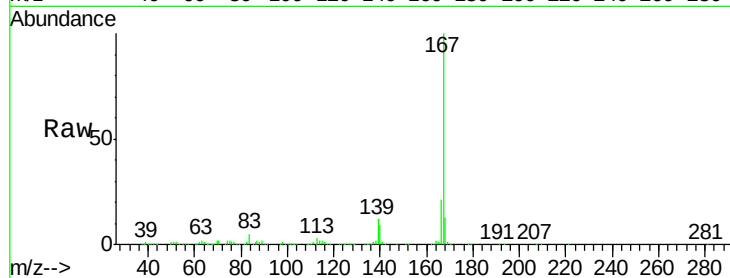
#73
 Carbazole
 Concen: 48.223 ng
 RT: 17.24 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Tot Ion:167 Resp: 2144170
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.1 25.7
 139 11.5 9.8 14.8

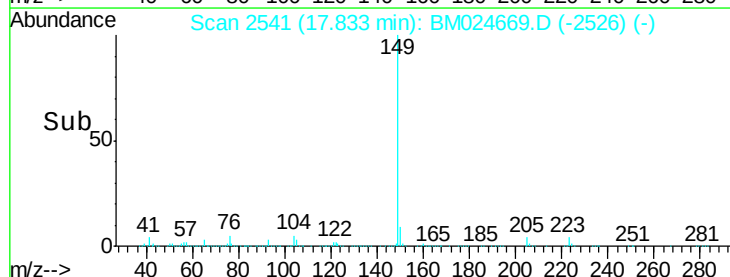
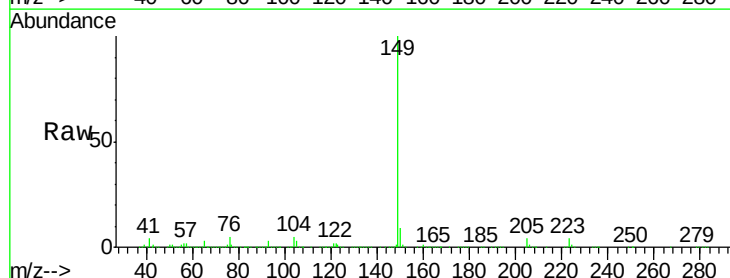
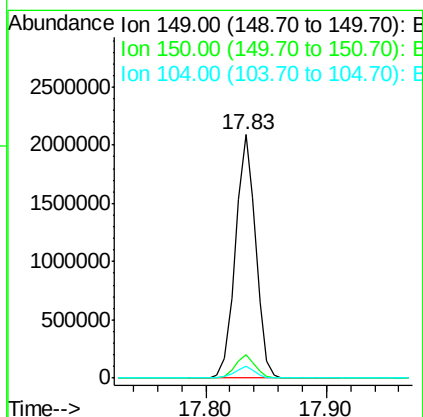
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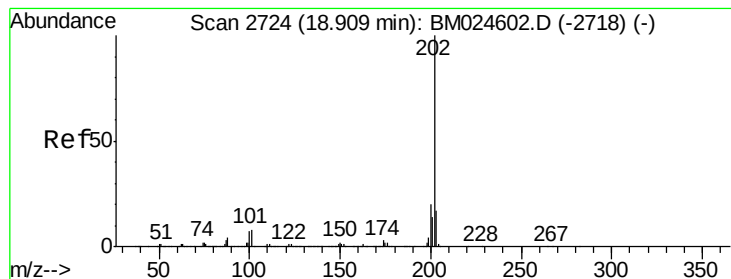
mohammad
 2/3/2020 7:55:38 AM



#74
 Di-n-butylphthalate
 Concen: 42.703 ng
 RT: 17.83 min Scan# 2541
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Tgt Ion:149 Resp: 2427384
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.4 11.0
 104 4.8 4.3 6.5





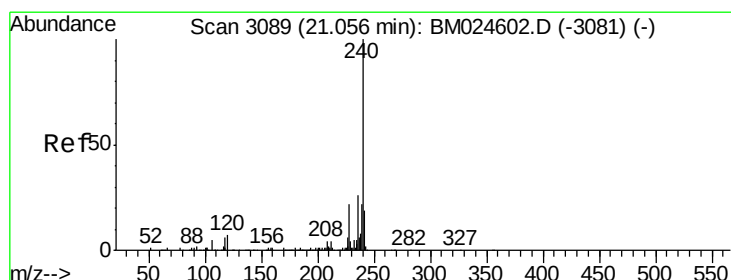
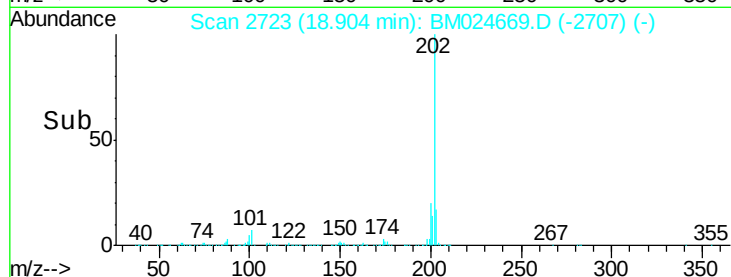
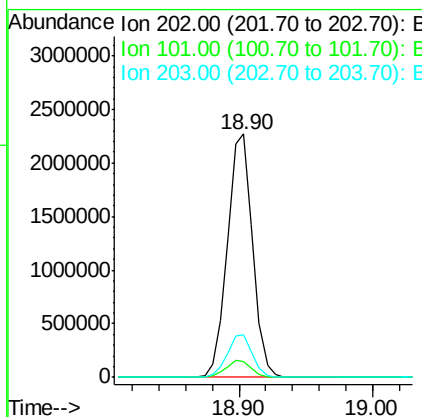
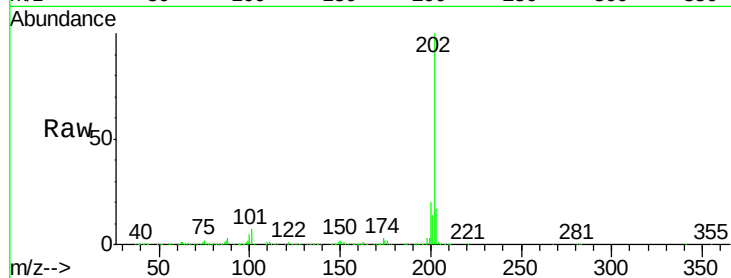
#75
 Fluoranthene
 Concen: 48.380 ng
 RT: 18.90 min Scan# 2723
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	28.4
203	17.5	0.0	37.5

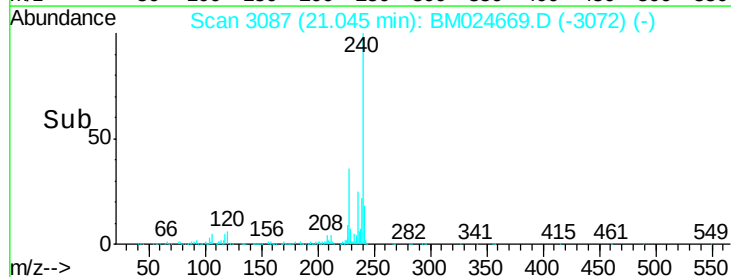
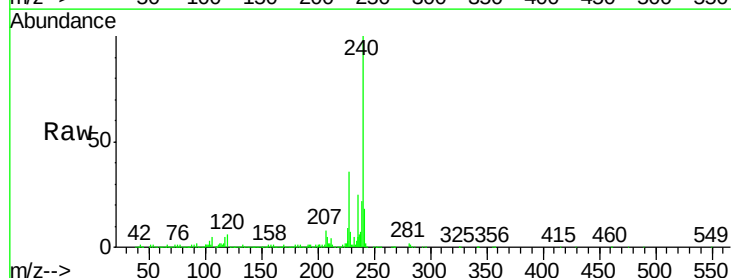
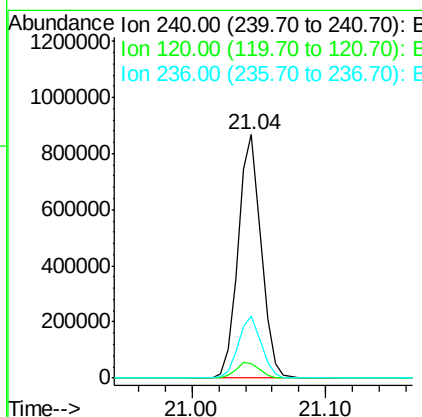
Manual Integrations
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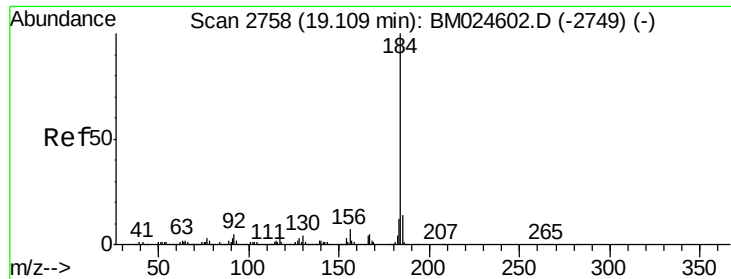
mohammad
 2/3/2020 7:55:38 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.04 min Scan# 3087
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.2	5.3	7.9
236	25.4	20.6	31.0





#77

Benzidine

Concen: 67.365 ng

RT: 19.10 min Scan# 2756

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:184 Resp: 1632572

Ion Ratio Lower Upper

184 100

185 13.9 11.3 16.9

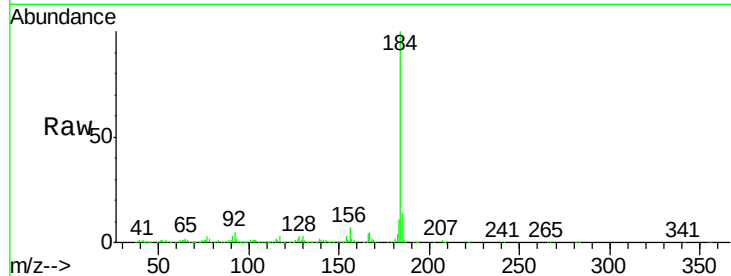
183 11.5 9.6 14.4

Manual Integrations

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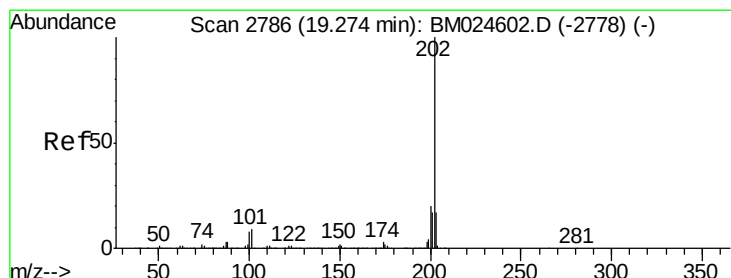
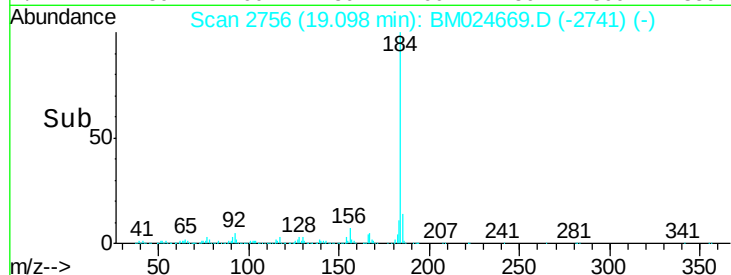
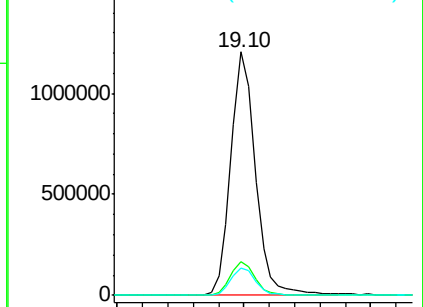
2/3/2020 7:55:38 AM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 45.401 ng

RT: 19.26 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

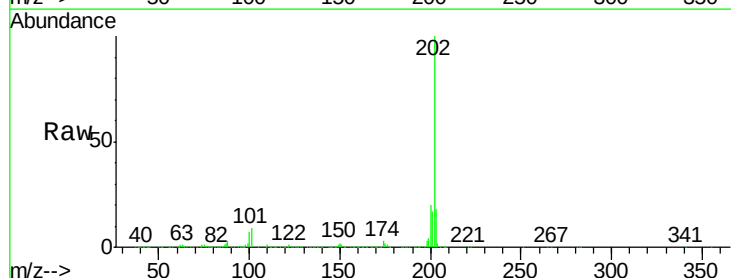
Tgt Ion:202 Resp: 3114589

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

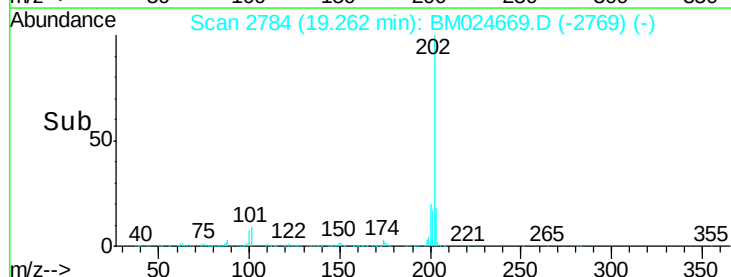
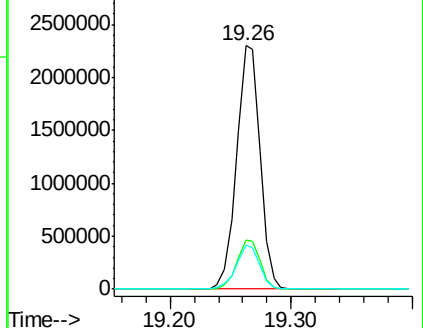
203 17.8 14.0 21.0

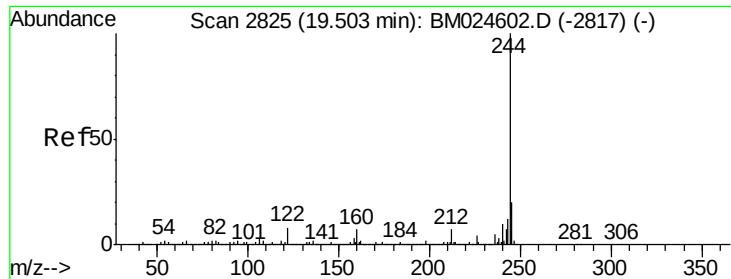


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 79.673 ng

RT: 19.49 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:244 Resp: 4440994

Ion Ratio Lower Upper

244 100

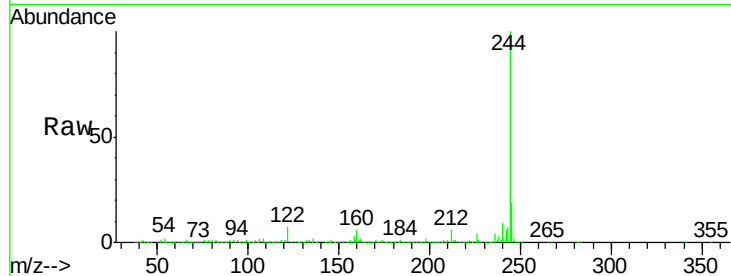
212 6.4 5.4 8.2

122 6.6 6.2 9.4

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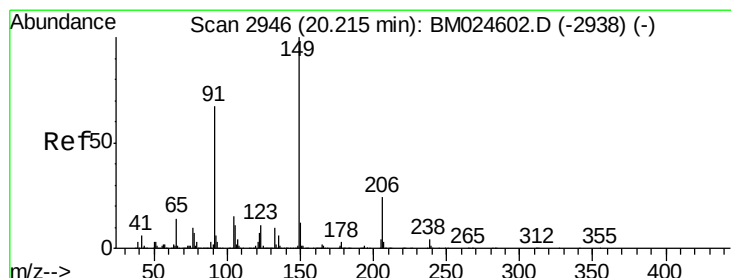
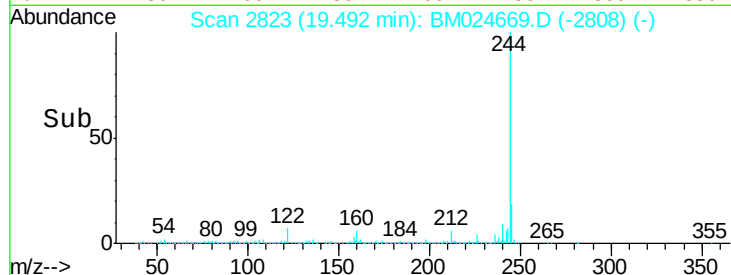
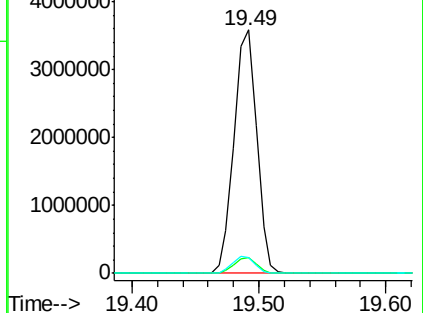
2/3/2020 7:55:38 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 40.068 ng

RT: 20.20 min Scan# 2944

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

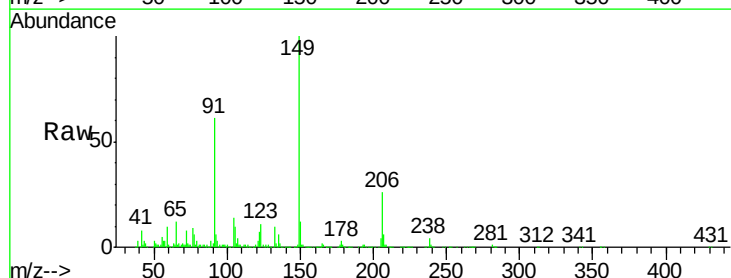
Tgt Ion:149 Resp: 1153383

Ion Ratio Lower Upper

149 100

91 60.6 53.9 80.9

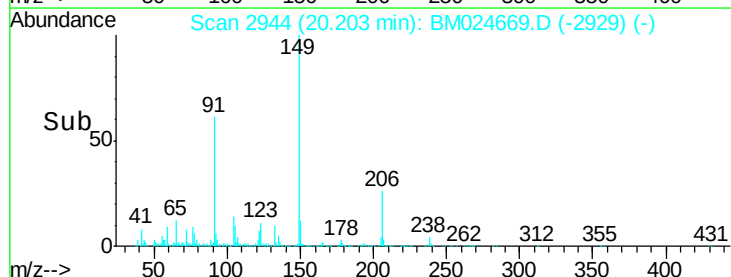
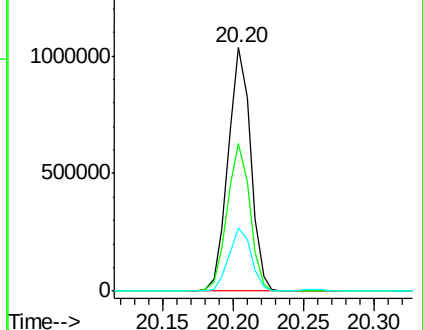
206 25.9 19.0 28.6

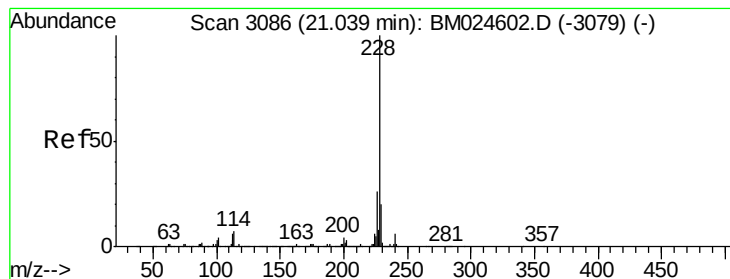


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 47.062 ng

RT: 21.03 min Scan# 3084

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

Instrument :

BNA_M

ClientSampleId :

RAINEY-PARK-BH-04-AMS

Tot Ion:228 Resp: 3399079

Ion Ratio Lower Upper

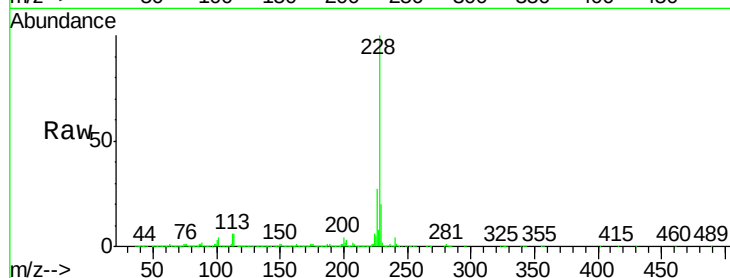
228 100

226 26.6 21.1 31.7

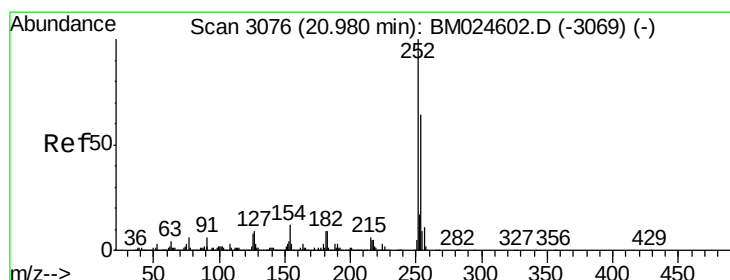
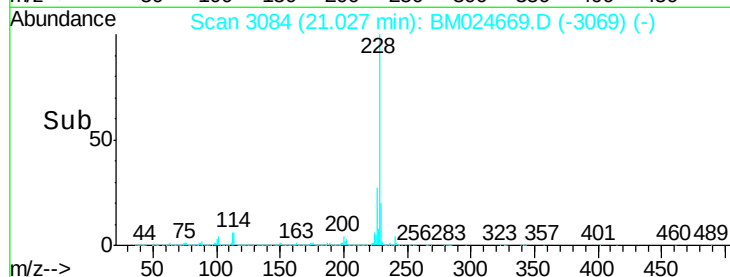
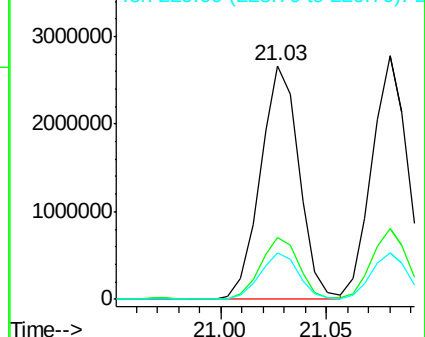
229 20.0 15.8 23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 43.391 ng

RT: 20.97 min Scan# 3074

Delta R.T. -0.01 min

Lab File: BM024669.D

Acq: 30 Jan 2020 21:32

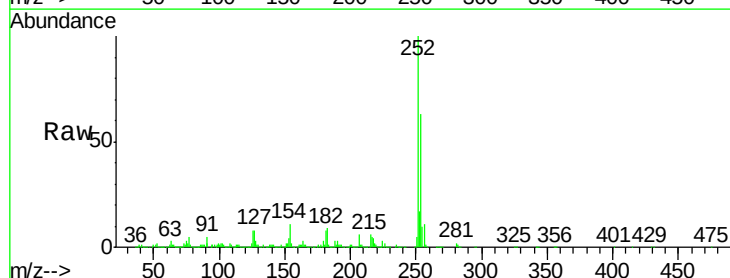
Tgt Ion:252 Resp: 1127337

Ion Ratio Lower Upper

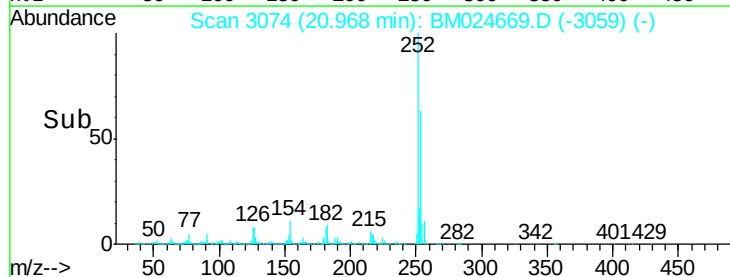
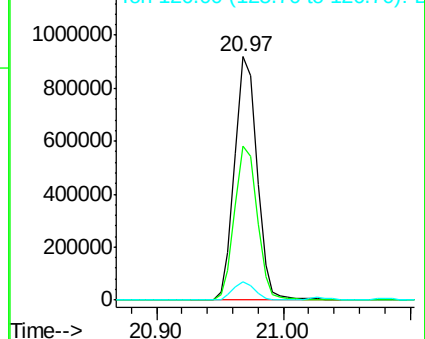
252 100

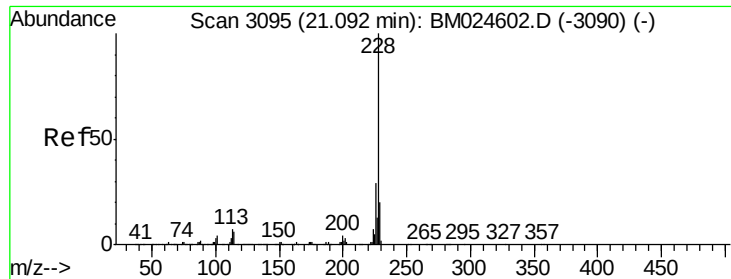
254 63.1 51.5 77.3

126 7.8 6.7 10.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





#83
 Chrysene
 Concen: 47.539 ng
 RT: 21.08 min Scan# 3093
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

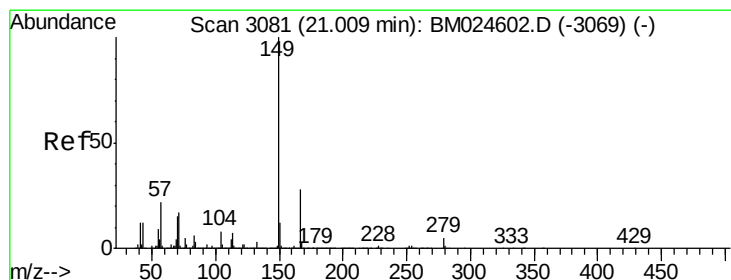
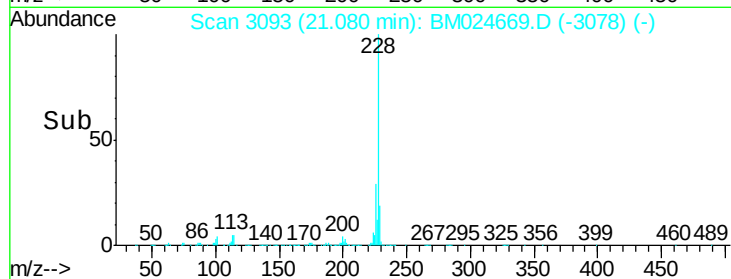
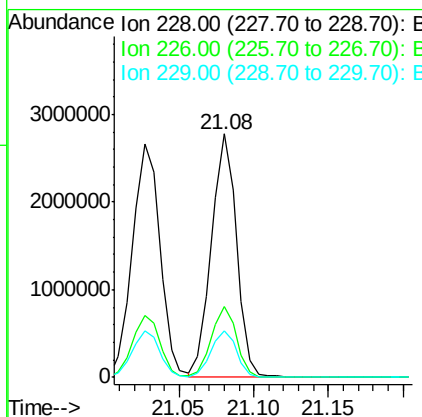
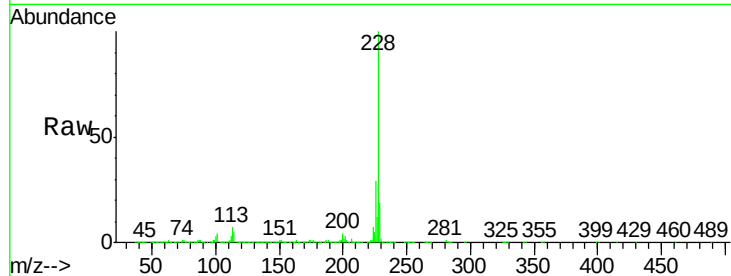
Instrument :
 BNA_M
 ClientSampleId :
 RAINEY-PARK-BH-04-AMS

Tot Ion:228 Resp: 3276293

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	19.2	15.7	23.5

Manual Integrations
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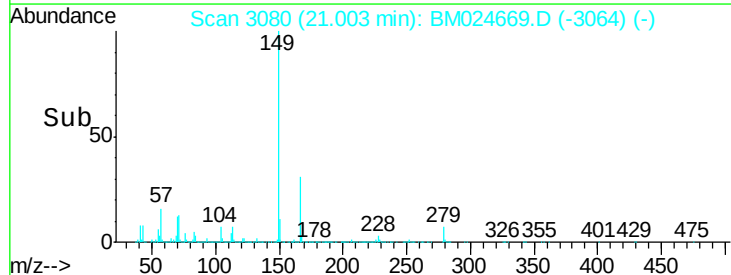
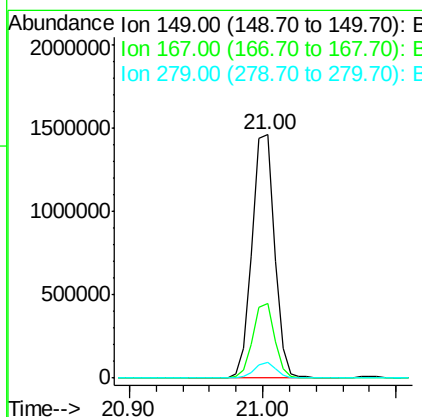
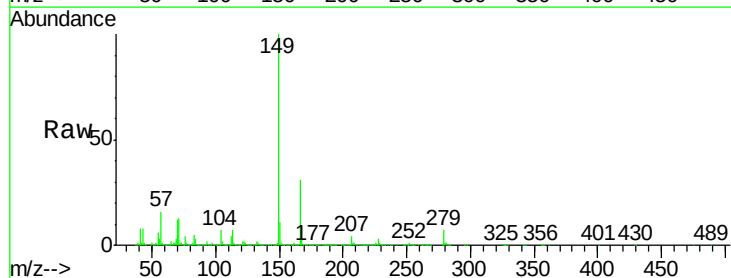
mohammad
 2/3/2020 7:55:38 AM

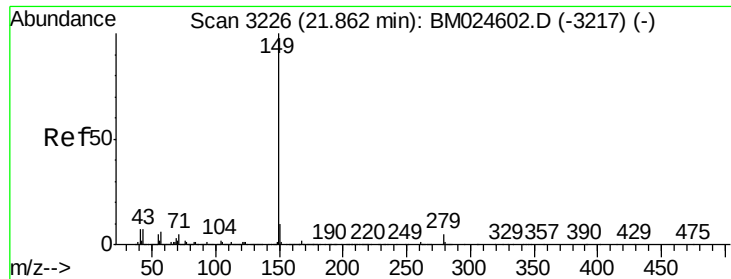


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 39.574 ng
 RT: 21.00 min Scan# 3080
 Delta R.T. -0.01 min
 Lab File: BM024669.D
 Acq: 30 Jan 2020 21:32

Tgt Ion:149 Resp: 1680873

Ion	Ratio	Lower	Upper
149	100		
167	30.9	22.5	33.7
279	6.7	4.0	6.0





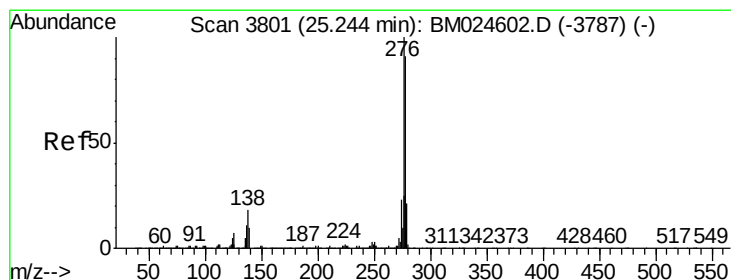
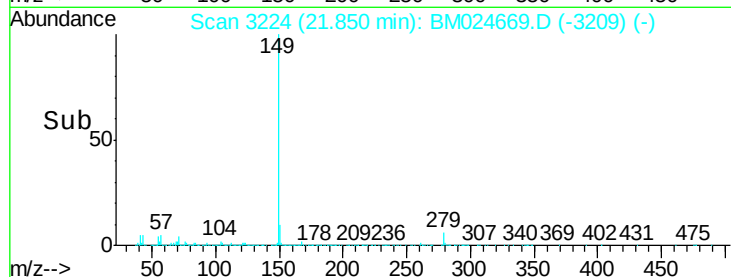
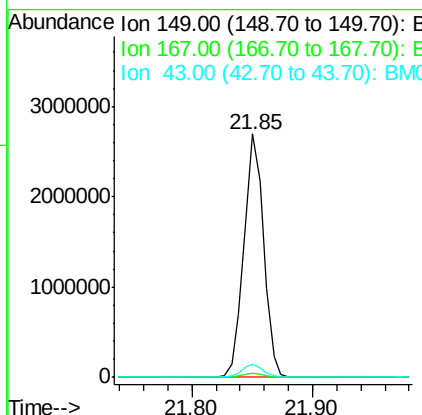
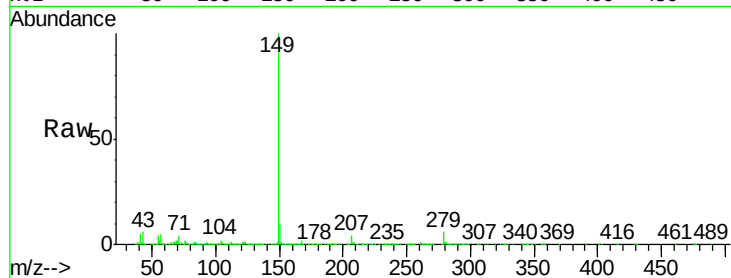
#85
Di-n-octyl phthalate
Concen: 44.079 ng
RT: 21.85 min Scan# 3224
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	5.5	5.8	8.6

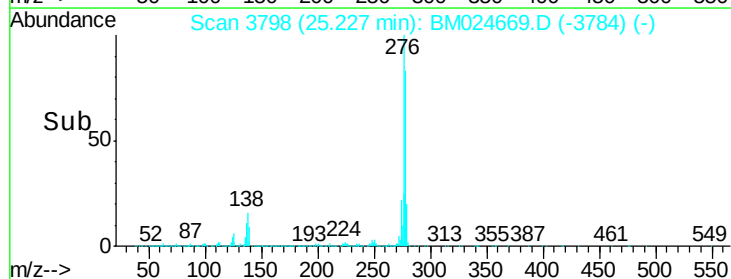
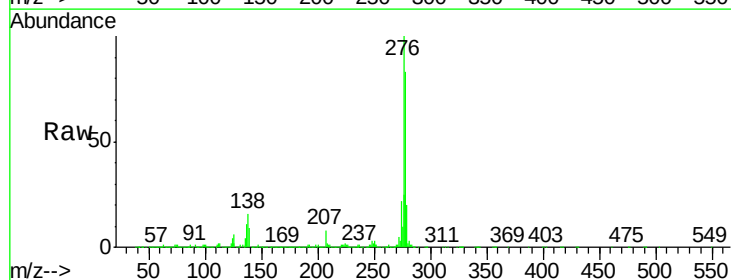
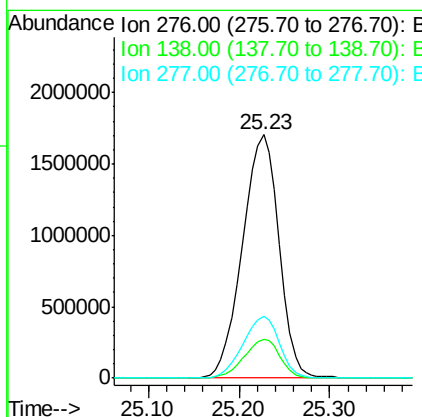
Manual Integrations
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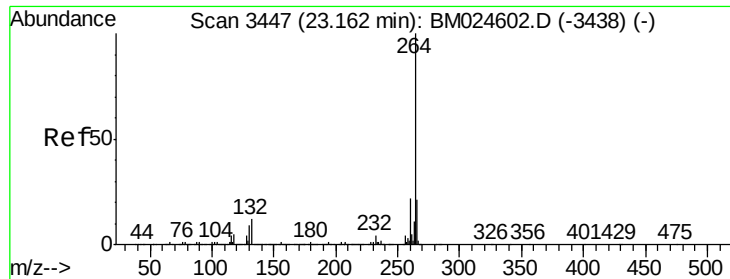
mohammad
2/3/2020 7:55:38 AM



#86
Indeno(1,2,3-cd)pyrene
Concen: 63.579 ng
RT: 25.23 min Scan# 3798
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.7	13.4	20.0
277	25.3	19.6	29.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.15 min Scan# 3445
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

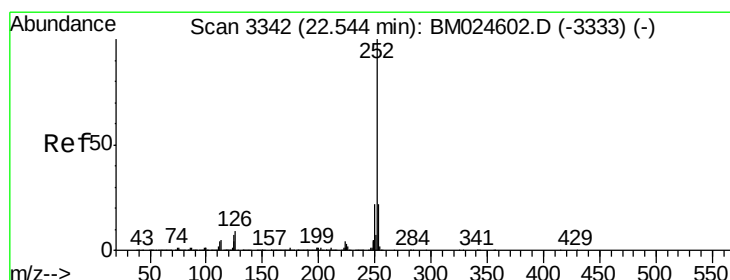
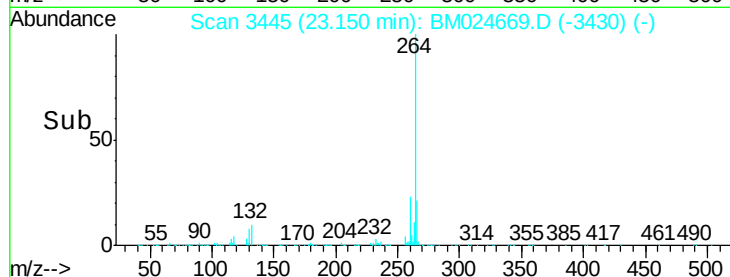
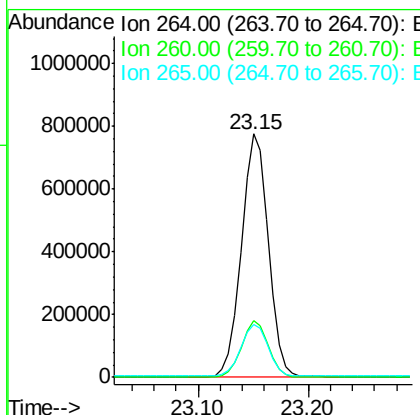
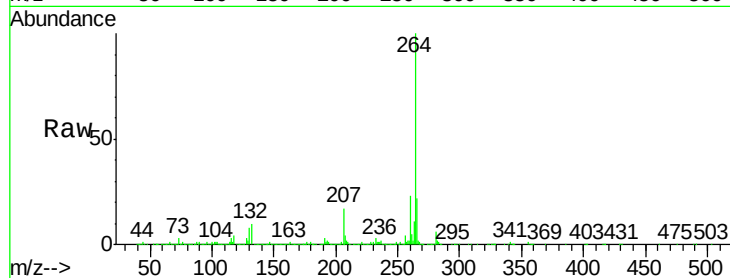
Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion:264 Resp: 1336243

Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.9	26.9
265	21.9	17.3	25.9

Manual Integrations
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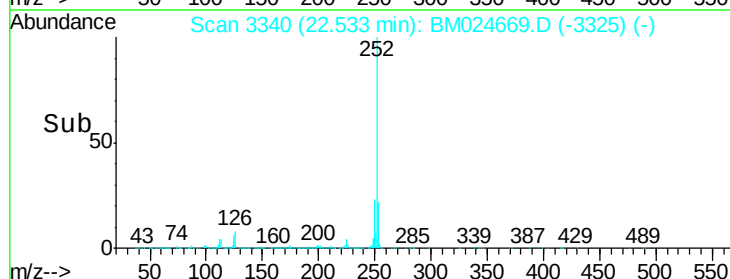
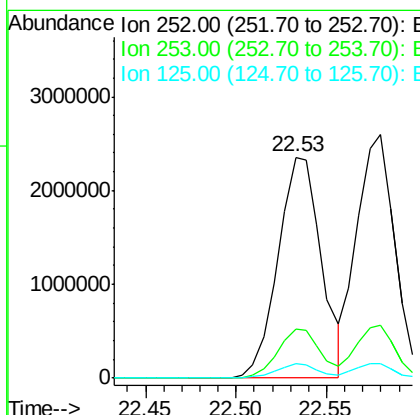
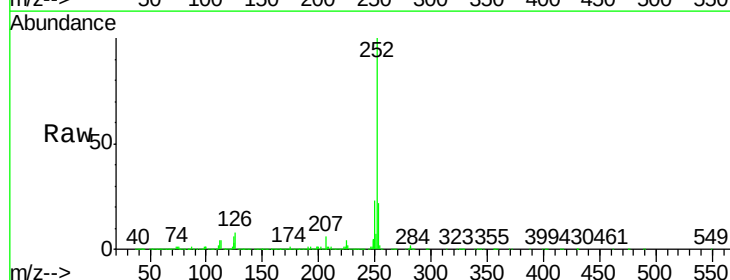
mohammad
2/3/2020 7:55:38 AM

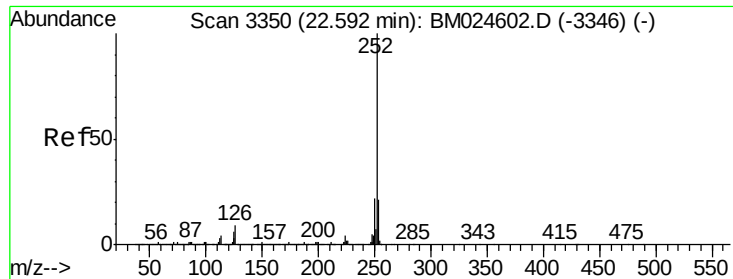


#88
Benzo(b)fluoranthene
Concen: 45.370 ng
RT: 22.53 min Scan# 3340
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion:252 Resp: 3932005

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	6.4	5.7	8.5





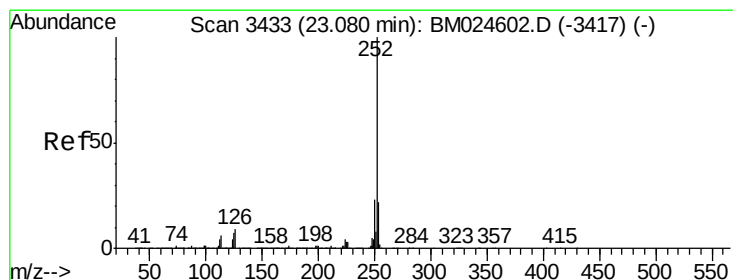
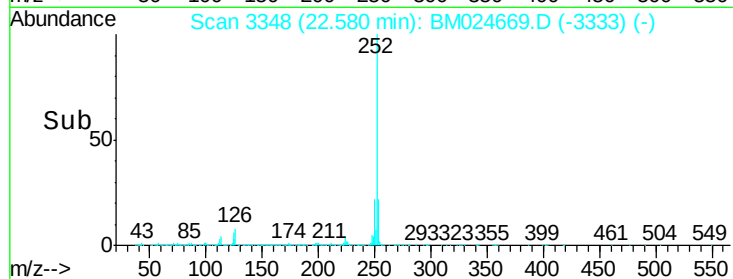
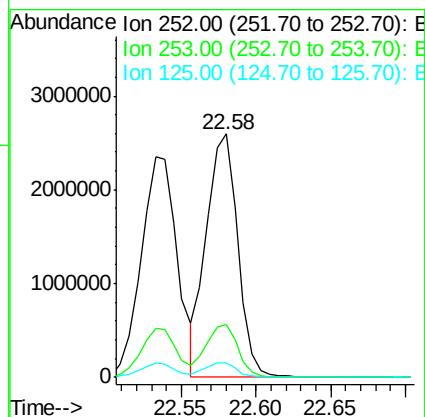
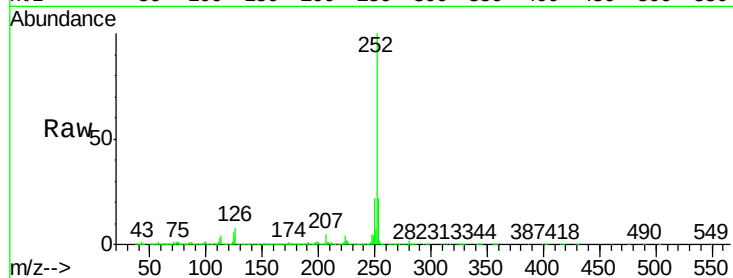
#89
Benzo(k)fluoranthene
Concen: 44.476 ng
RT: 22.58 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	5.8	5.2	7.8

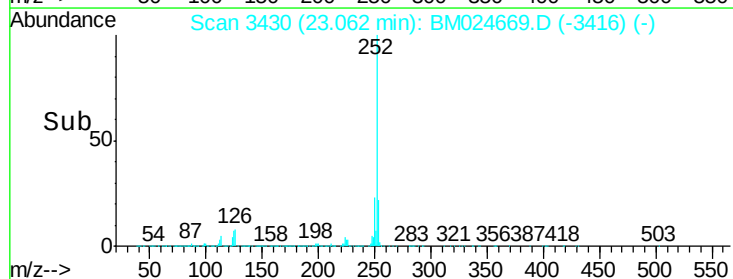
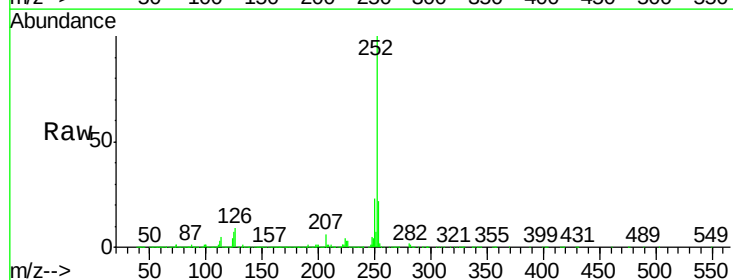
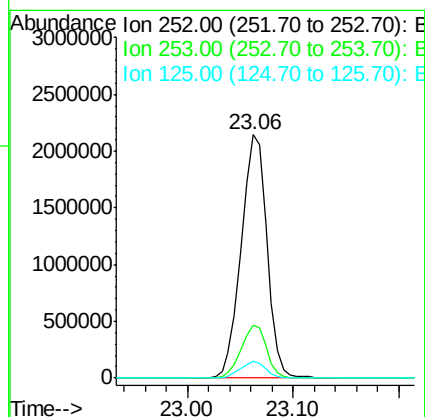
Manual Integrations
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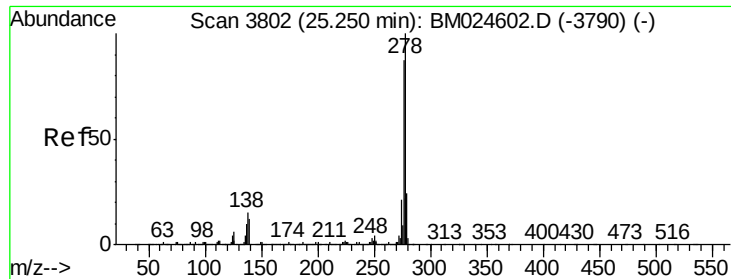
mohammad
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#90
Benzo(a)pyrene
Concen: 45.986 ng
RT: 23.06 min Scan# 3430
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	6.9	5.8	8.8





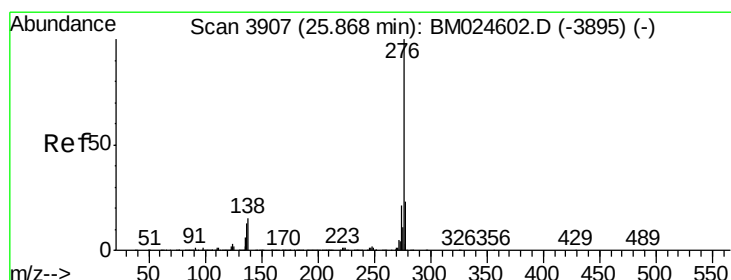
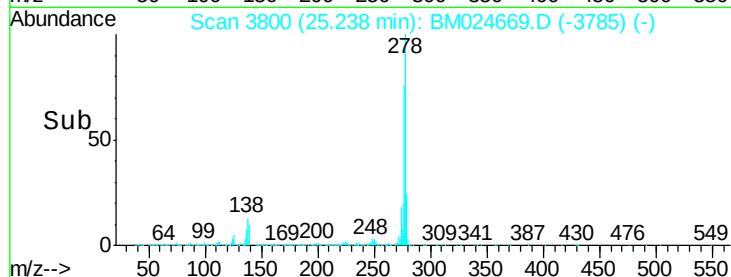
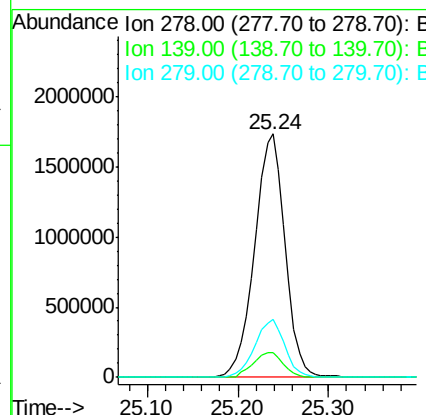
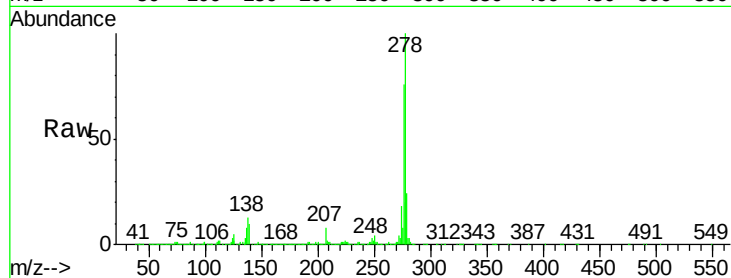
#91
Dibenzo(a,h)anthracene
Concen: 54.065 ng
RT: 25.24 min Scan# 3800
Delta R.T. -0.01 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Instrument :
BNA_M
ClientSampleId :
RAINEY-PARK-BH-04-AMS

Tot Ion:278 Resp: 4043351
Ion Ratio Lower Upper
278 100
139 10.1 9.3 13.9
279 23.7 18.9 28.3

Manual Integrations
APPROVED

mohammad
2/3/2020 7:55:38 AM



#92
Benzo(g,h,i)perylene
Concen: 59.241 ng
RT: 25.85 min Scan# 3904
Delta R.T. -0.02 min
Lab File: BM024669.D
Acq: 30 Jan 2020 21:32

Tgt Ion:276 Resp: 4022876
Ion Ratio Lower Upper
276 100
277 23.5 18.6 28.0
138 13.4 11.9 17.9

