

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000855.D
 Acq On : 17 Oct 2019 23:27
 Operator : JU
 Sample : K5357-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11933MSD

Manual Integrations
 APPROVED

mohammad
 10/20/2019 8:16:25 PM

Quant Time: Oct 18 07:11:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	197524	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	694700	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	376202	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	681401	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	529603	20.00	ng	0.00
87) Perylene-d12	15.45	264	619833	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	1280425	104.20	ng	-0.01
7) Phenol-d6	6.40	99	1597268	107.87	ng	-0.01
23) Nitrobenzene-d5	7.32	82	913109	80.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.60	330	505416	126.07	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	1902745	81.83	ng	-0.02
79) Terphenyl-d14	12.90	244	2126784	81.31	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.48	88	189713	38.662	ng	99
3) Pyridine	3.22	79	486868	36.314	ng	100
4) n-Nitrosodimethylamine	3.16	42	167421	44.377	ng	99
6) Aniline	6.41	93	646548	35.940	ng	# 12
8) 2-Chlorophenol	6.54	128	595933	49.139	ng	98
9) Benzaldehyde	6.30	77	295230	38.277	ng	96
10) Phenol	6.41	94	713059	47.032	ng	86
11) bis(2-Chloroethyl)ether	6.49	93	542008	46.467	ng	97
12) 1,3-Dichlorobenzene	6.69	146	662957	45.097	ng	98
13) 1,4-Dichlorobenzene	6.77	146	685956	46.371	ng	98
14) 1,2-Dichlorobenzene	6.92	146	627677	45.958	ng	100
15) Benzyl Alcohol	6.90	79	444047	46.434	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.03	45	457775	42.547	ng	88
17) 2-Methylphenol	7.02	107	490254	48.915	ng	97
18) Hexachloroethane	7.26	117	234229	44.490	ng	93
19) n-Nitroso-di-n-propylamine	7.17	70	310564	45.501	ng	97
20) 3+4-Methylphenols	7.17	107	577749	49.264	ng	# 69
22) Acetophenone	7.16	105	785072	48.908	ng	# 97
24) Nitrobenzene	7.33	77	537849	49.028	ng	98
25) Isophorone	7.57	82	1011584	50.110	ng	99
26) 2-Nitrophenol	7.65	139	323288	56.038	ng	97
27) 2,4-Dimethylphenol	7.69	122	510382	57.714	ng	98
28) bis(2-Chloroethoxy)methane	7.78	93	670219	48.853	ng	99
29) 2,4-Dichlorophenol	7.90	162	532247	53.230	ng	98
30) 1,2,4-Trichlorobenzene	7.97	180	593398	50.531	ng	100
31) Naphthalene	8.06	128	1671631	51.522	ng	99
32) Benzoic acid	7.83	122	249949	44.762	ng	99
33) 4-Chloroaniline	8.10	127	406232	28.516	ng	100
34) Hexachlorobutadiene	8.17	225	354583	49.964	ng	99
35) Caprolactam	8.47	113	172169m	51.408	ng	
36) 4-Chloro-3-methylphenol	8.60	107	518701	52.965	ng	99
37) 2-Methylnaphthalene	8.75	142	1150388	52.817	ng	100
38) 1-Methylnaphthalene	8.85	142	1077517	52.358	ng	97
40) 1,2,4,5-Tetrachlorobenzene	8.92	216	605483	50.849	ng	99

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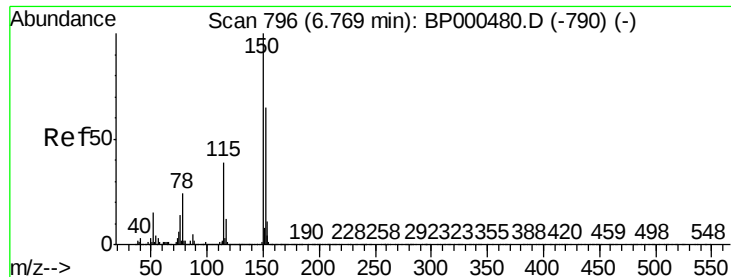
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.91	237	368196	77.502	nq	99
43) 2,4,6-Trichlorophenol	9.04	196	368070	50.215	nq	100
44) 2,4,5-Trichlorophenol	9.08	196	401923	53.108	nq	98
46) 1,1'-Biphenyl	9.22	154	1425120	50.186	nq	98
47) 2-Chloronaphthalene	9.25	162	1115777	50.814	nq	100
48) 2-Nitroaniline	9.34	65	259667	48.846	nq	95
49) Acenaphthylene	9.66	152	1721821	51.975	nq	99
50) Dimethylphthalate	9.52	163	1628926	62.315	nq	99
51) 2,6-Dinitrotoluene	9.59	165	304725	53.456	nq	96
52) Acenaphthene	9.83	154	996809	49.603	nq	99
53) 3-Nitroaniline	9.75	138	209468	32.069	nq	98
54) 2,4-Dinitrophenol	9.87	184	196911	103.519	nq	99
55) Dibenzofuran	10.01	168	1541022	51.299	nq	98
56) 4-Nitrophenol	9.93	139	366753	87.948	nq	99
57) 2,4-Dinitrotoluene	10.00	165	390816	51.707	nq	96
58) Fluorene	10.35	166	1173984	54.834	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.13	232	329947	51.574	nq	96
60) Diethylphthalate	10.23	149	1257778	50.688	nq	99
61) 4-Chlorophenyl-phenylether	10.35	204	627359	54.492	nq	98
62) 4-Nitroaniline	10.37	138	312043	49.673	nq	97
63) Azobenzene	10.50	77	999493	52.463	nq	97
65) 4,6-Dinitro-2-methylphenol	10.42	198	173376	57.398	nq	85
66) n-Nitrosodiphenylamine	10.47	169	1087717	54.808	nq	98
67) 4-Bromophenyl-phenylether	10.84	248	408291	53.230	nq	96
68) Hexachlorobenzene	10.91	284	445797	51.145	nq	96
69) Atrazine	11.00	200	350113	53.758	nq	99
70) Pentachlorophenol	11.11	266	337074	96.282	nq	96
71) Phenanthrene	11.32	178	1816527	53.081	nq	99
72) Anthracene	11.37	178	1831173	53.966	nq	99
73) Carbazole	11.53	167	1662171	52.844	nq	98
74) Di-n-butylphthalate	11.87	149	1983465	51.765	nq	100
75) Fluoranthene	12.53	202	2018083	52.507	nq	99
77) Benzidine	12.65	184	1014613	66.159	nq	98
78) Pyrene	12.76	202	2029596	55.565	nq	99
80) Butylbenzylphthalate	13.39	149	860583	54.068	nq	97
81) Benzo(a)anthracene	13.97	228	1699253	52.587	nq	97
82) 3,3'-Dichlorobenzidine	13.93	252	619039	48.230	nq	97
83) Chrysene	14.00	228	1679381	52.952	nq	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	1099118	54.906	nq	98
85) Di-n-octyl phthalate	14.58	149	2021564	55.715	nq	99
86) Indeno(1,2,3-cd)pyrene	16.94	276	2144411	54.129	nq	98
88) Benzo(b)fluoranthene	15.03	252	1818109	51.703	nq	98
89) Benzo(k)fluoranthene	15.06	252	1767187	52.786	nq	99
90) Benzo(a)pyrene	15.40	252	1794878	54.755	nq	99
91) Dibenzo(a,h)anthracene	16.96	278	1737884	54.663	nq	97
92) Benzo(g,h,i)perylene	17.39	276	1821325	56.378	nq	98

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



#1

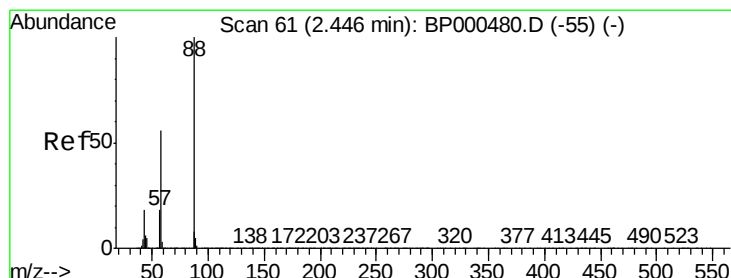
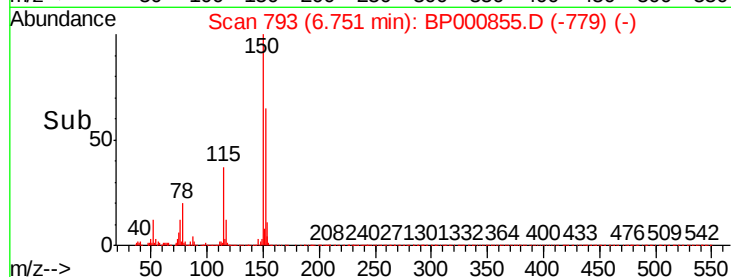
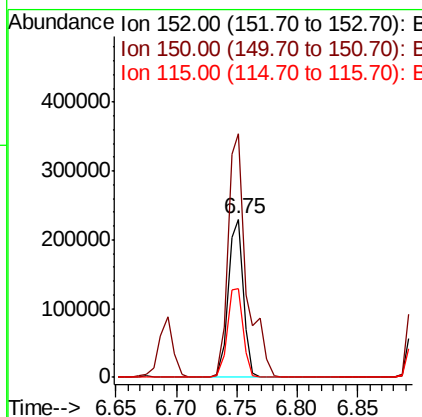
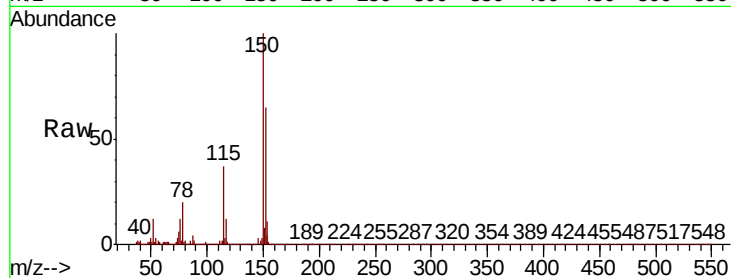
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.1	186.1
115	56.4	48.7	73.1

Manual Integrations
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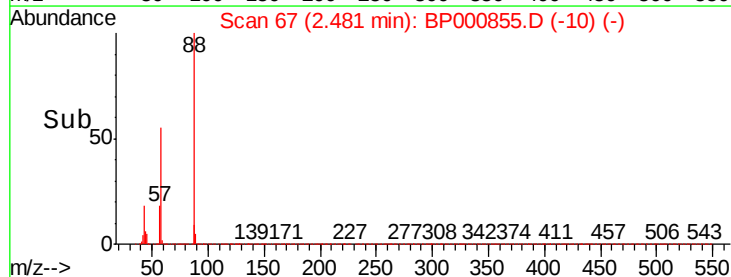
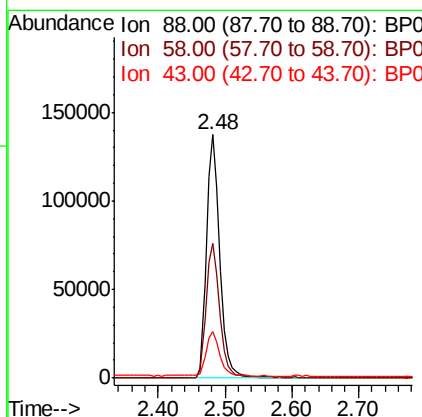
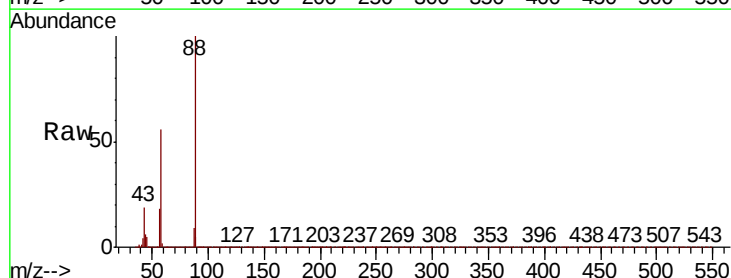
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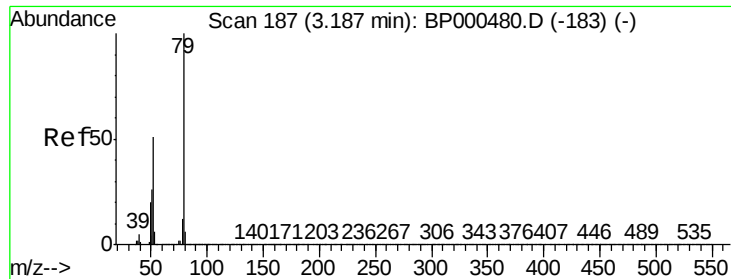


#2

1,4-Dioxane
Concen: 38.662 ng
RT: 2.48 min Scan# 67
Delta R.T. 0.03 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	55.9	45.3	67.9
43	18.3	14.5	21.7





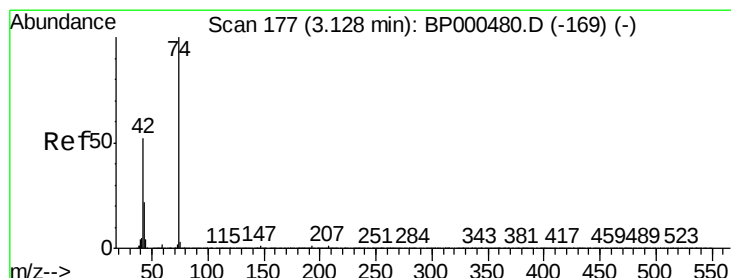
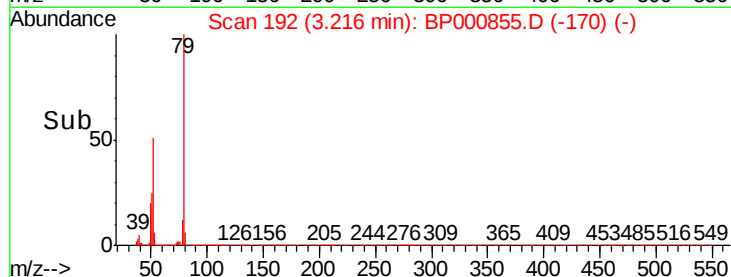
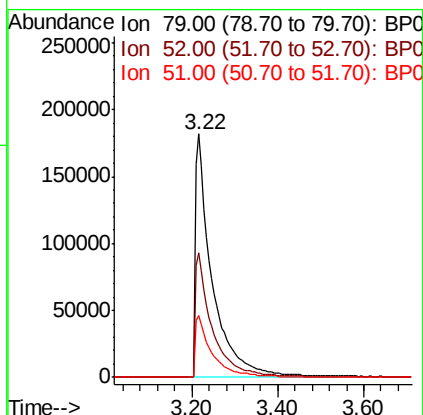
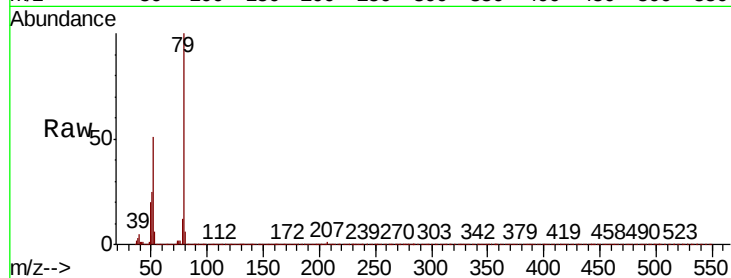
#3
 Pvridine
 Concen: 36.314 ng
 RT: 3.22 min Scan# 192
 Delta R.T. 0.03 min
 Lab File: BP000855.D
 Acq: 17 Oct 2019 23:27

Instrument :
 BNA_P
 ClientSampleId :
 72-11933MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	50.9	40.7	61.1
51	25.4	20.5	30.7

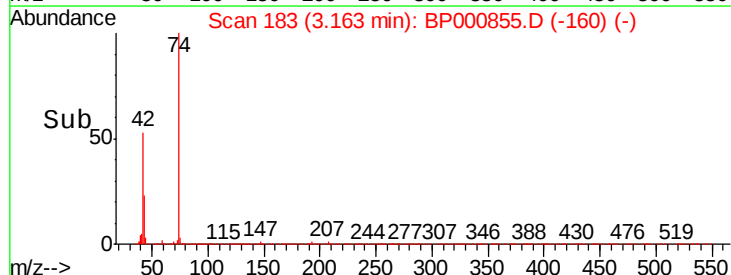
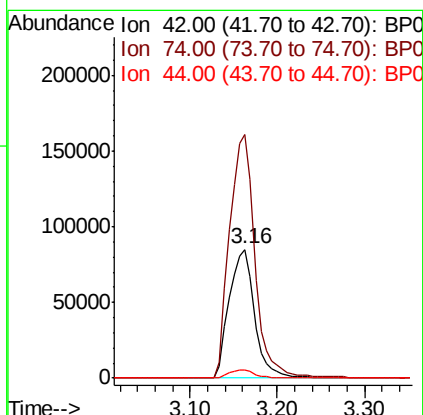
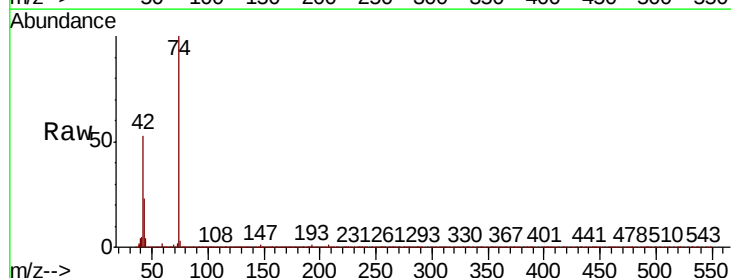
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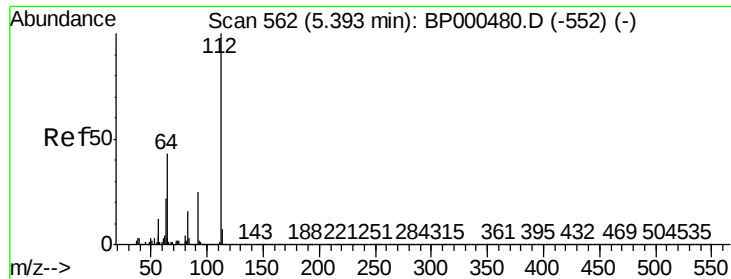
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#4
 n-Nitrosodimethylamine
 Concen: 44.377 ng
 RT: 3.16 min Scan# 183
 Delta R.T. 0.04 min
 Lab File: BP000855.D
 Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
42	100		
74	189.3	152.4	228.6
44	6.6	5.6	8.4





#5

2-Fluorophenol

Concen: 104.201 ng

RT: 5.38 min Scan# 560

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

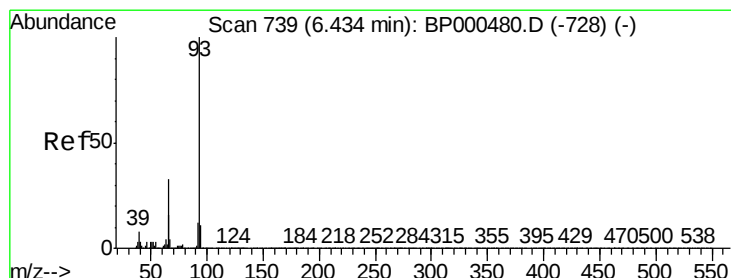
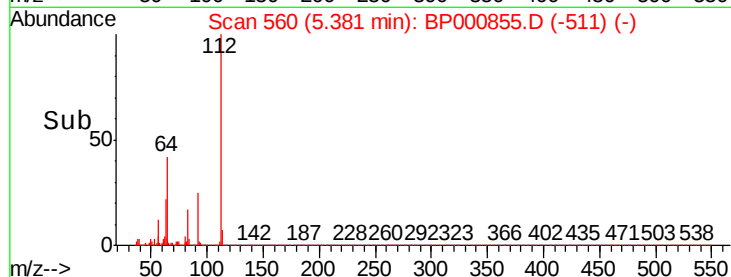
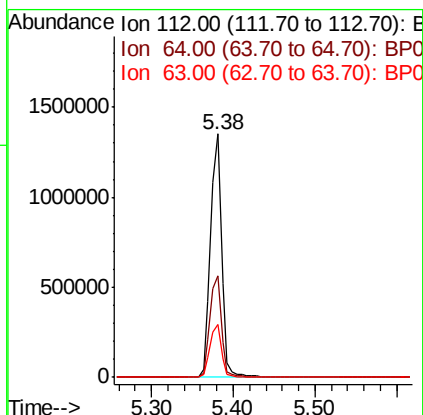
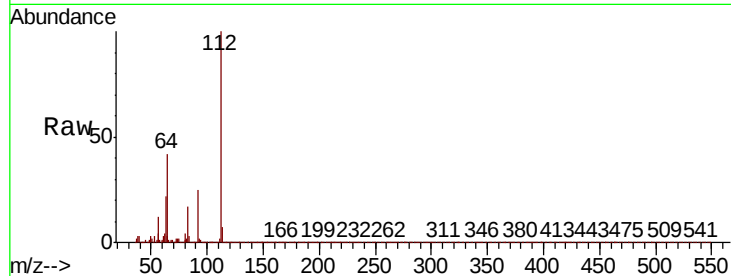
ClientSampleId :

72-11933MSD

Tot Ion:	112	Resp:	1280425
Ion Ratio	Lower	Upper	
112	100		
64	41.5	34.2	51.4
63	21.8	17.9	26.9

Manual Integrations
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#6

Aniline

Concen: 35.940 ng

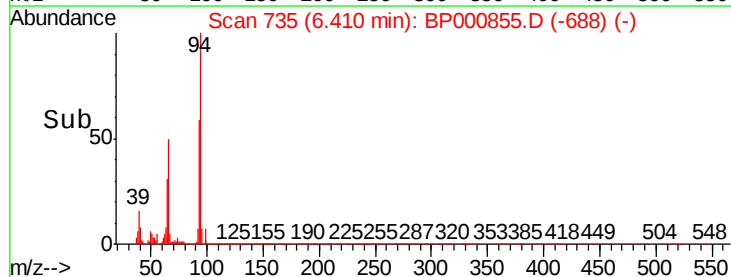
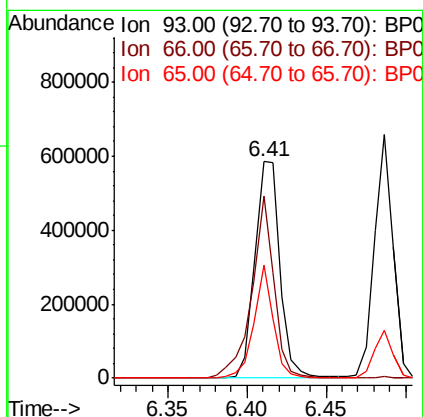
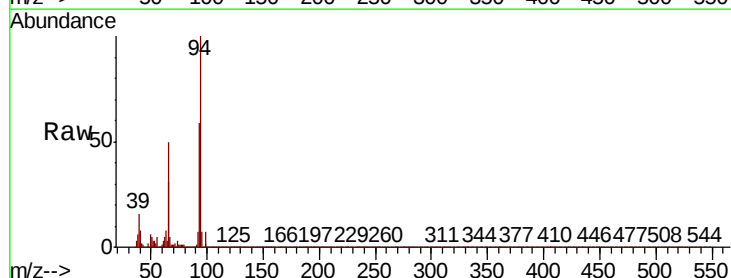
RT: 6.41 min Scan# 735

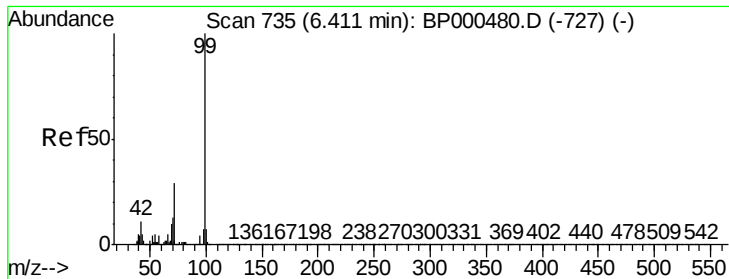
Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Tgt Ion:	93	Resp:	646548
Ion Ratio	Lower	Upper	
93	100		
66	84.2	26.3	39.5#
65	52.1	13.2	19.8#





#7

Phenol-d6

Concen: 107.868 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampleId :

72-11933MSD

Tot Ion: 99 Resp: 1597268

Ion Ratio Lower Upper

99 100

42 11.2 8.6 12.8

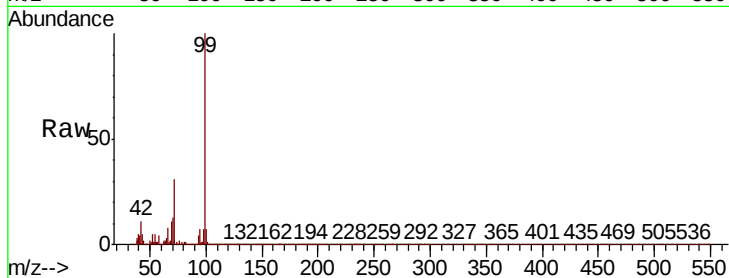
71 30.9 23.0 34.4

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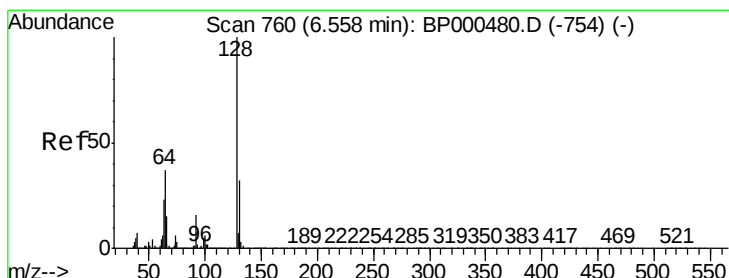
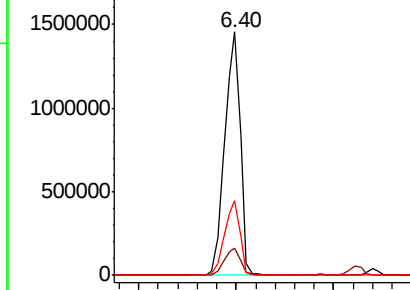
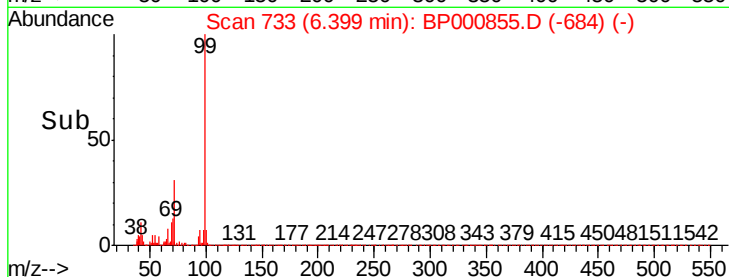
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Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#8

2-Chlorophenol

Concen: 49.139 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

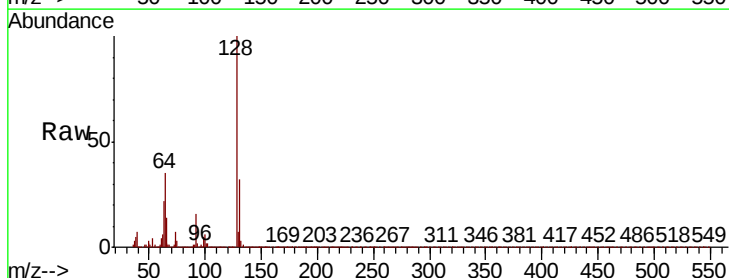
Tgt Ion: 128 Resp: 595933

Ion Ratio Lower Upper

128 100

130 32.0 12.2 52.2

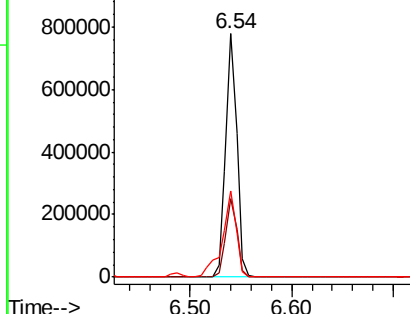
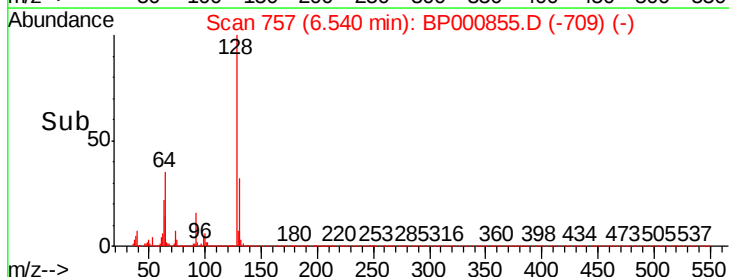
64 35.2 17.2 57.2

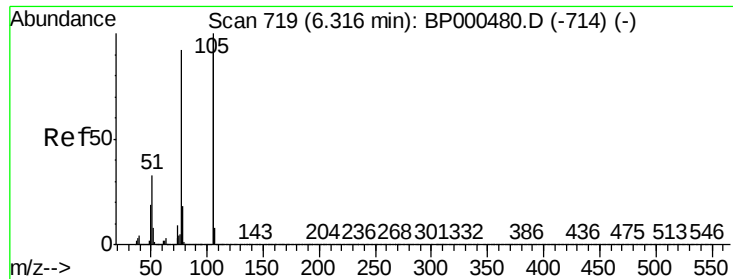


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BP0





#9

Benzaldehyde

Concen: 38.277 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

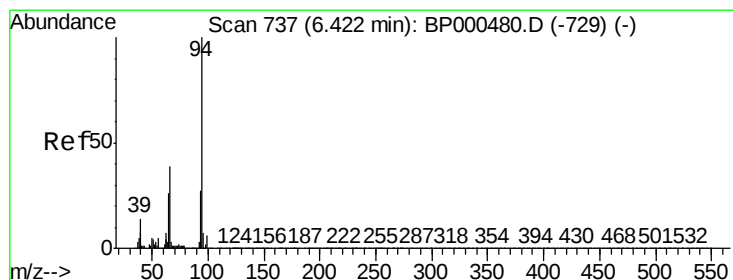
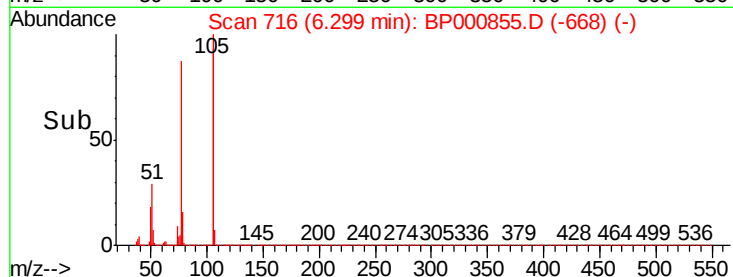
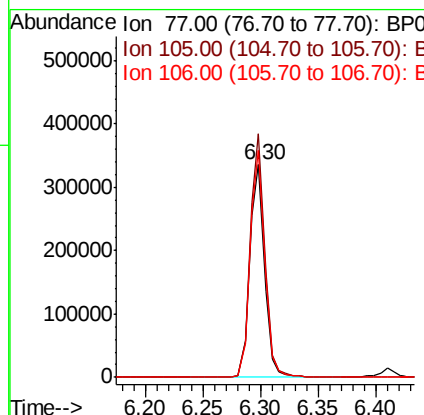
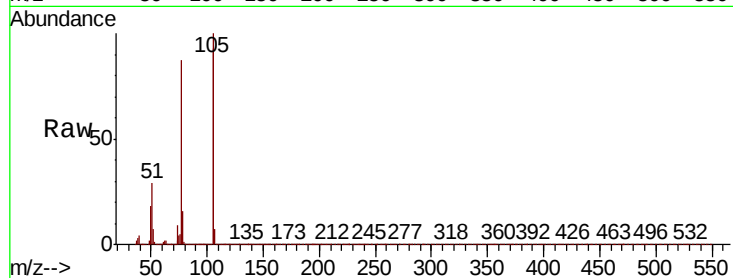
ClientSampleId :

72-11933MSD

Tot Ion:	77	Resp:	295230
Ion Ratio	Lower	Upper	
77	100		
105	114.6	88.3	128.3
106	107.0	85.7	125.7

Manual Integrations
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#10

Phenol

Concen: 47.032 ng

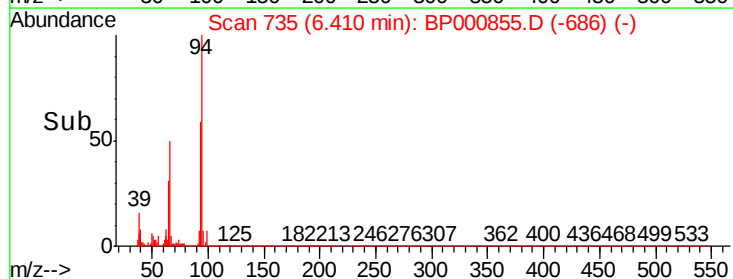
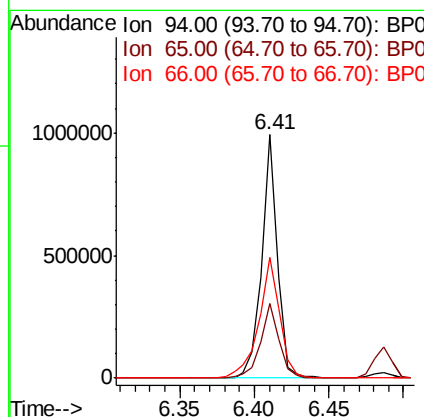
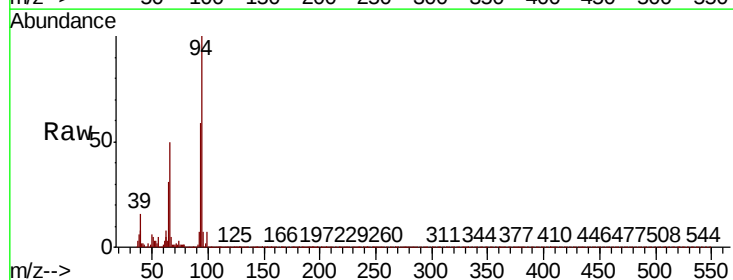
RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Tgt Ion:	94	Resp:	713059
Ion Ratio	Lower	Upper	
94	100		
65	30.7	5.9	45.9
66	49.7	18.8	58.8





#11

bis(2-Chloroethyl)ether

Concen: 46.467 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

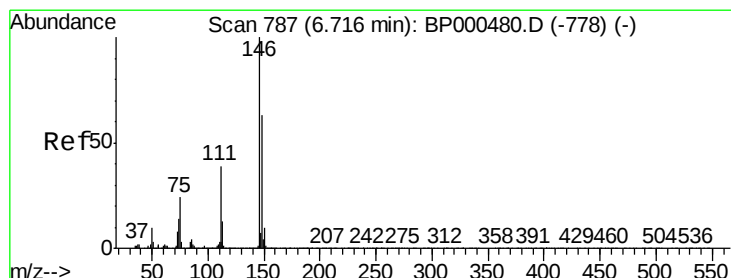
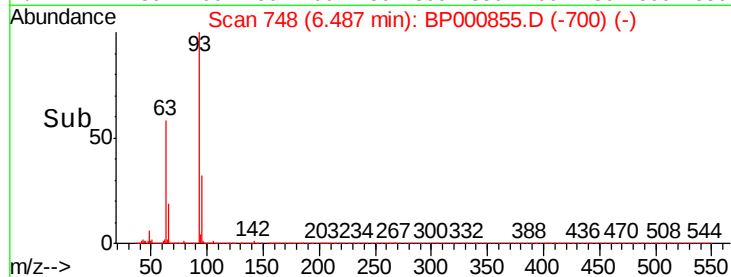
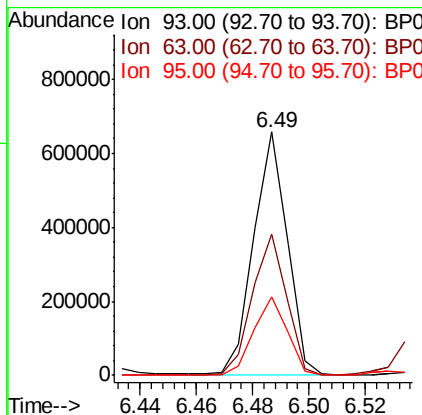
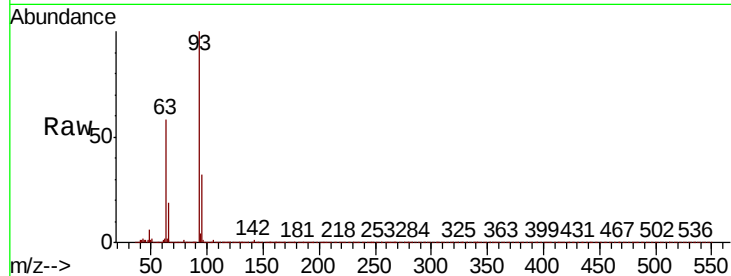
ClientSampleId :

72-11933MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		542008		
63	57.9	41.1	81.1		
95	32.4	12.2	52.2		

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#12

1,3-Dichlorobenzene

Concen: 45.097 ng

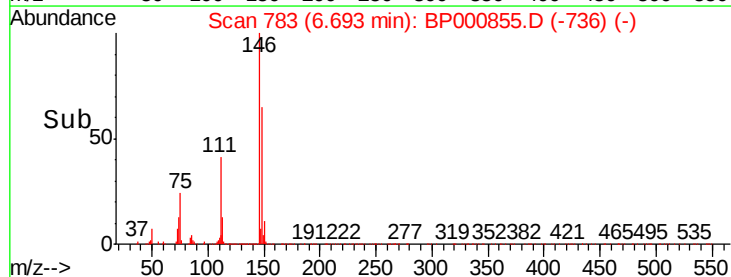
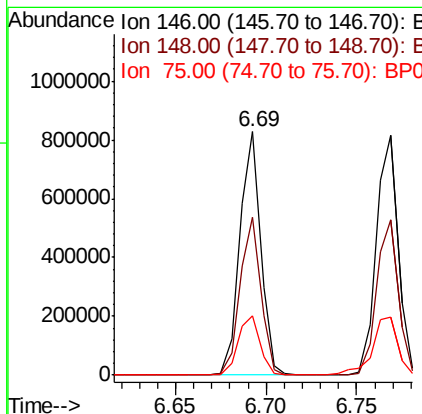
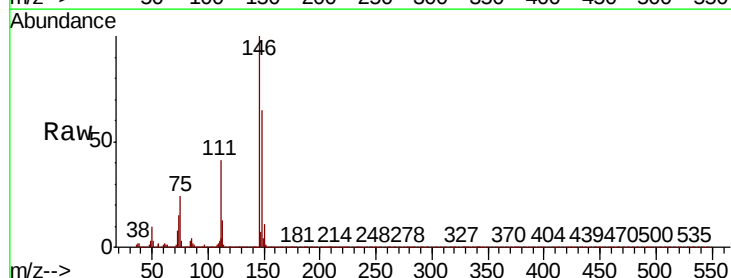
RT: 6.69 min Scan# 783

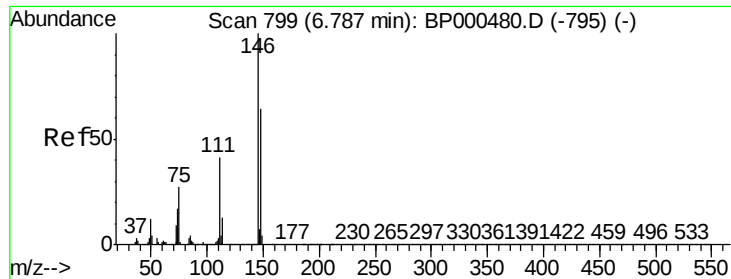
Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		662957		
148	65.0	50.7	76.1		
75	24.3	19.1	28.7		





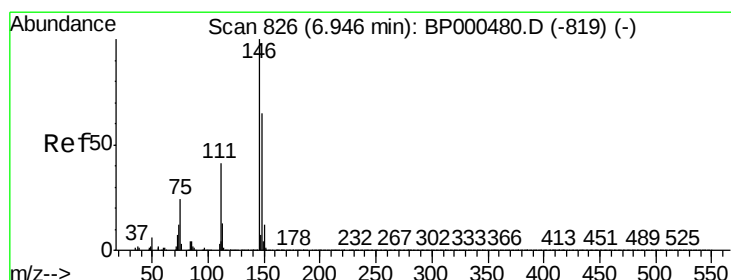
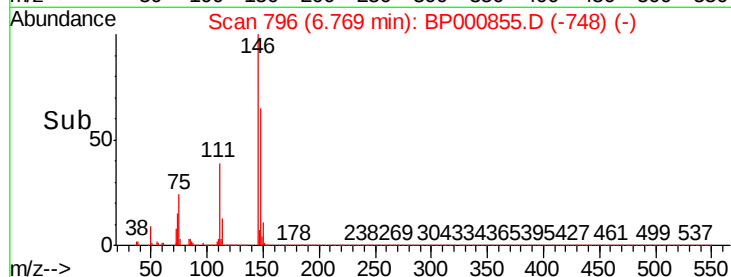
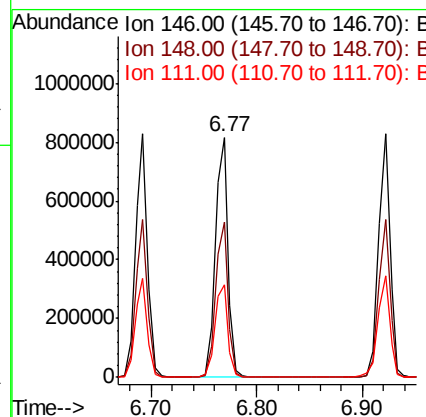
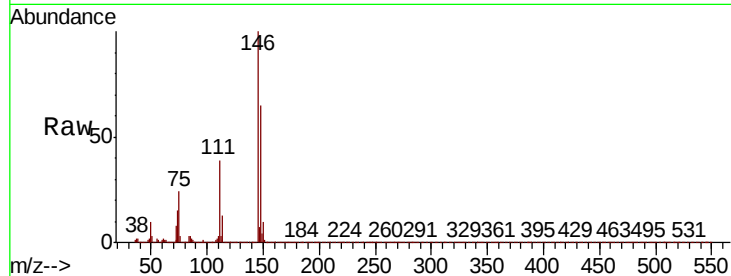
#13
1,4-Dichlorobenzene
Concen: 46.371 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.1	76.7
111	38.6	33.0	49.4

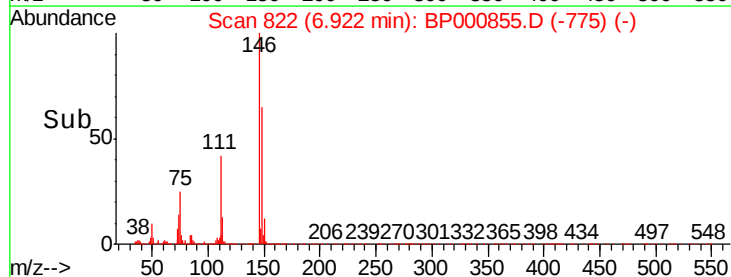
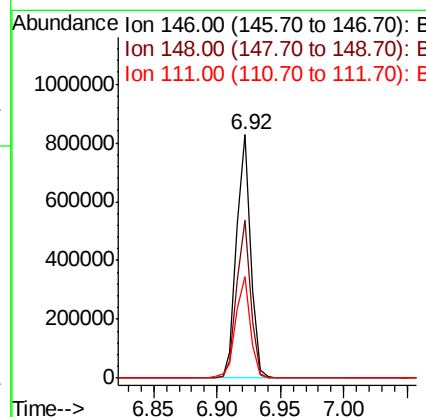
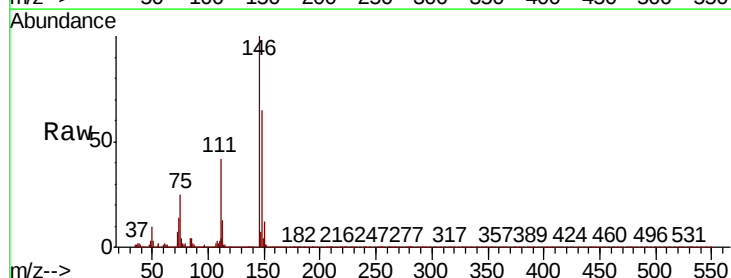
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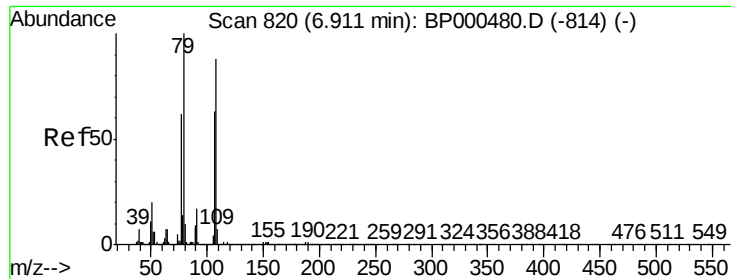
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#14
1,2-Dichlorobenzene
Concen: 45.958 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
111	41.5	32.8	49.2





#15

Benzyl Alcohol

Concen: 46.434 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampleId :

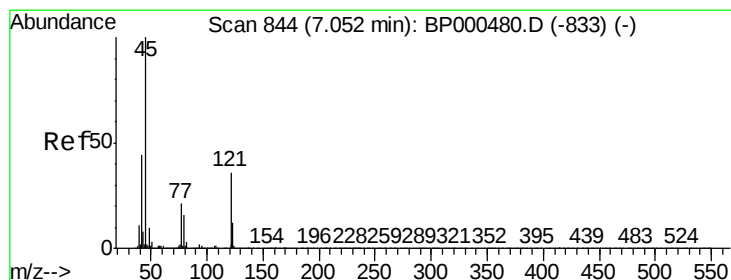
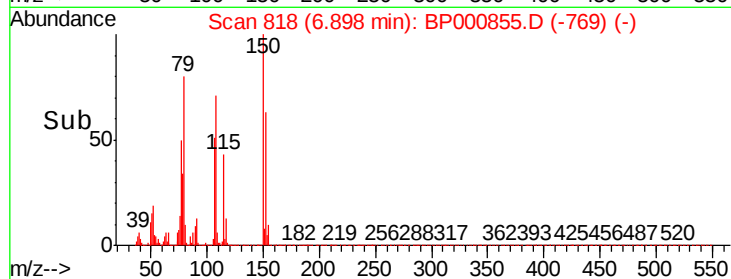
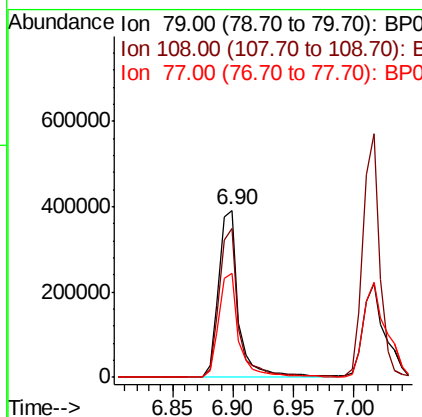
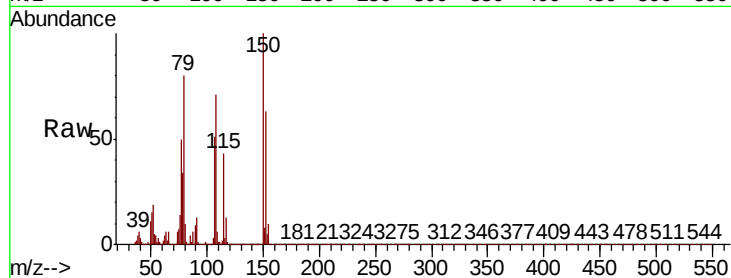
72-11933MSD

Tot Ion:	79	Resp:	444047
Ion Ratio	Lower	Upper	
79	100		
108	88.9	70.8	106.2
77	62.4	50.0	75.0

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.547 ng

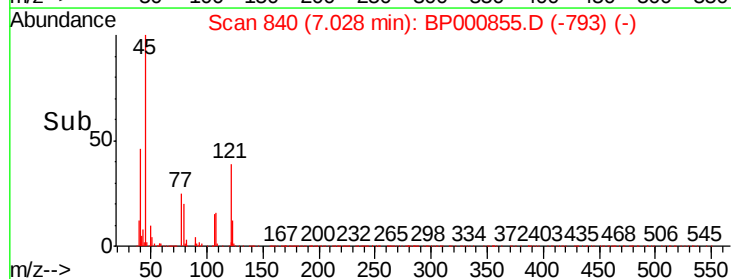
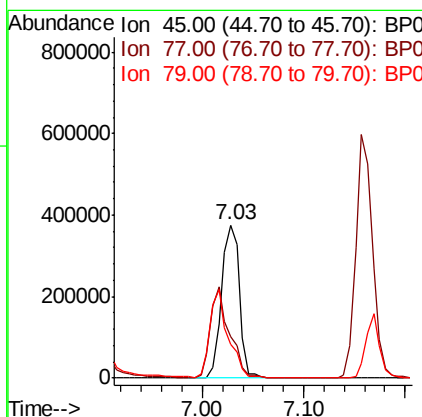
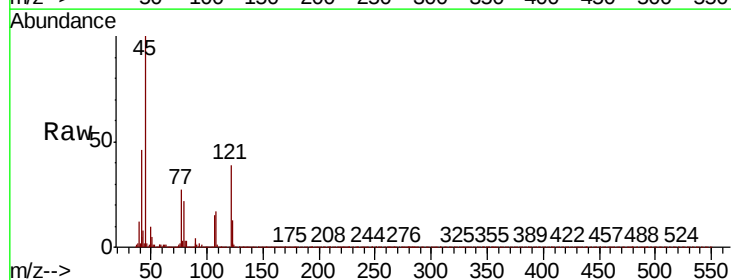
RT: 7.03 min Scan# 840

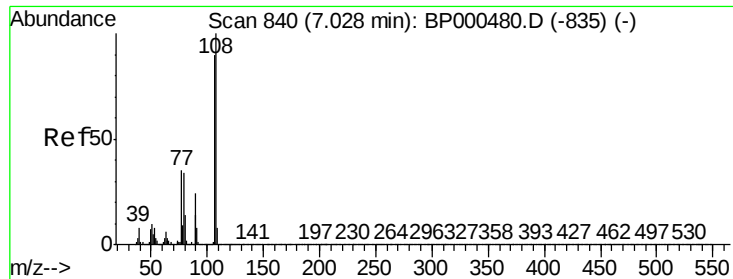
Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Tgt Ion:	45	Resp:	457775
Ion Ratio	Lower	Upper	
45	100		
77	26.7	1.1	41.1
79	21.8	0.0	36.8





#17
2-Methylphenol
Concen: 48.915 ng
RT: 7.02 min Scan# 838
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

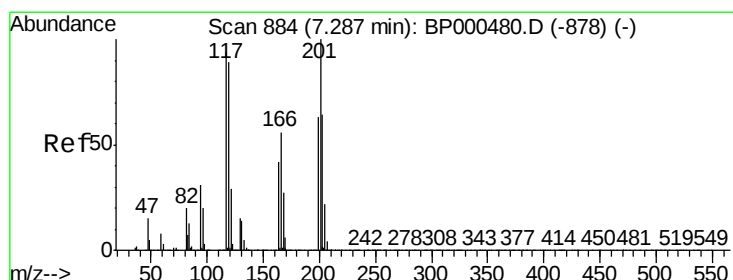
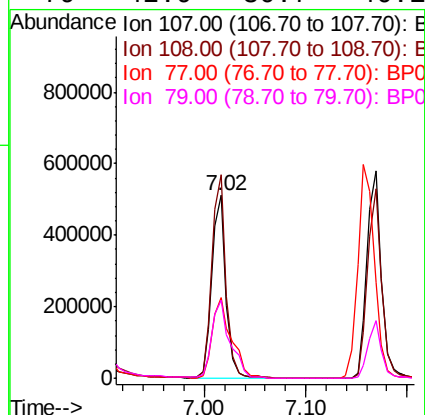
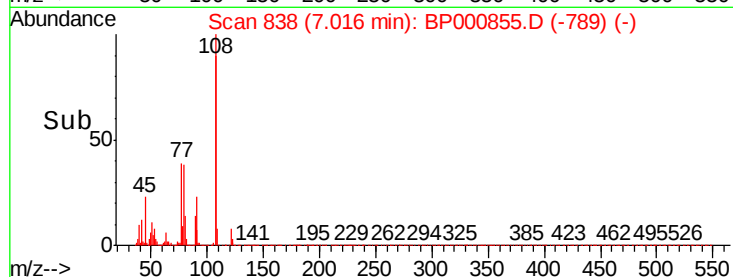
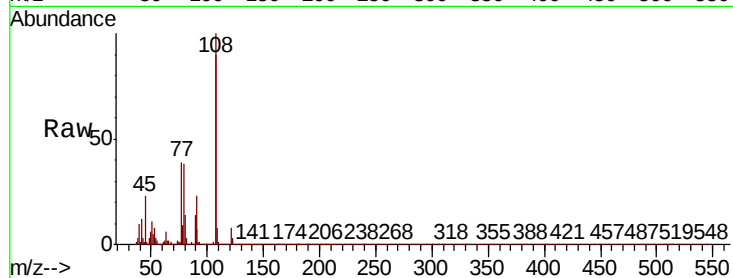
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.6	89.0	133.4	
77	43.9	31.2	46.8	
79	42.9	30.7	46.1	

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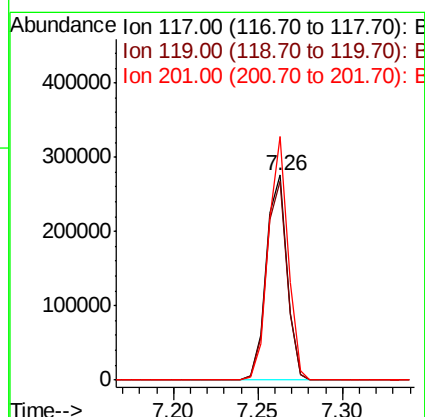
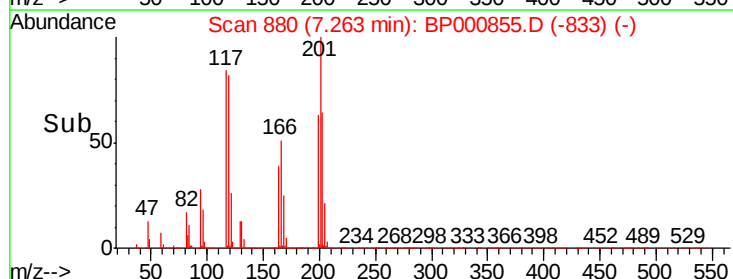
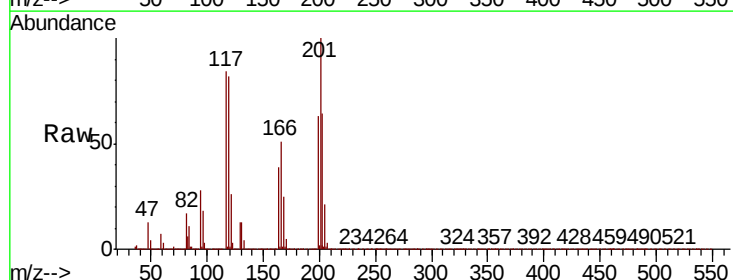
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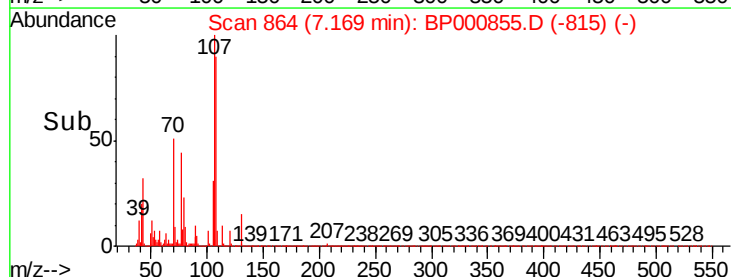
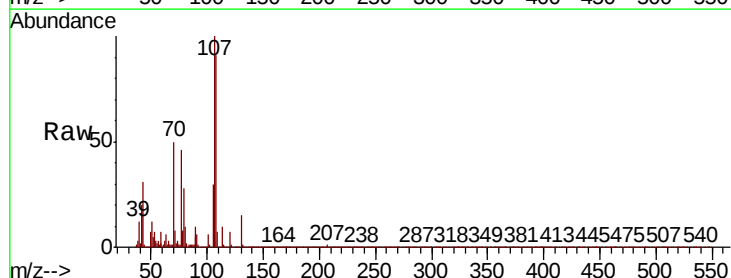
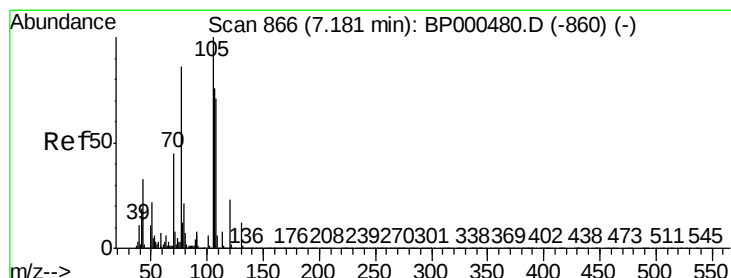
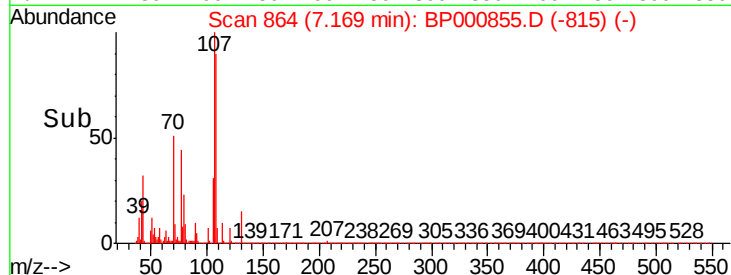
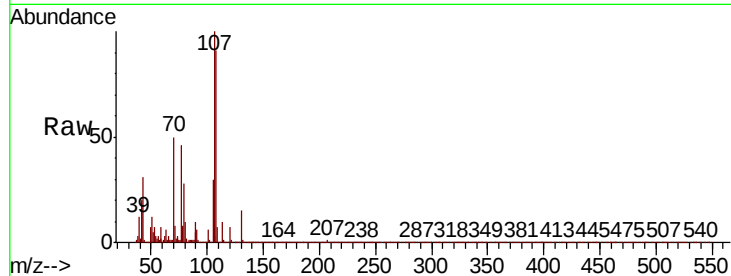
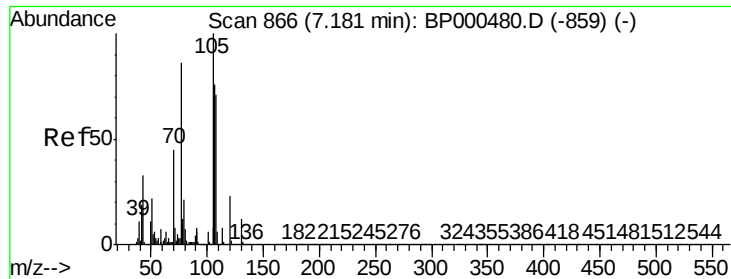
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#18
Hexachloroethane
Concen: 44.490 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.3	76.3	114.5	
201	119.0	85.4	128.0	





#19
n-Nitroso-di-n-propylamine
Concen: 45.501 ng
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

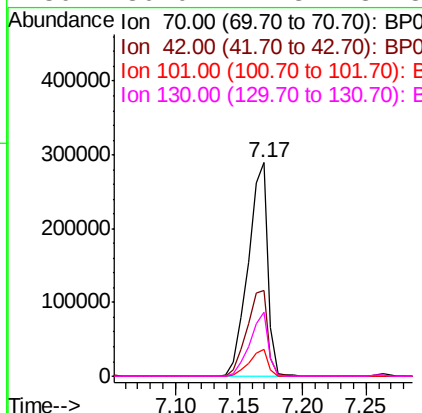
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		310564		
42	40.0	33.2	49.8		
101	12.9	9.9	14.9		
130	30.0	21.8	32.8		

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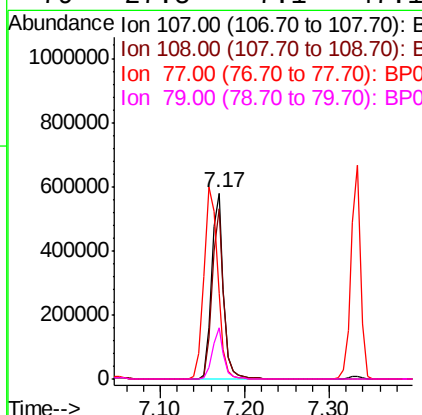
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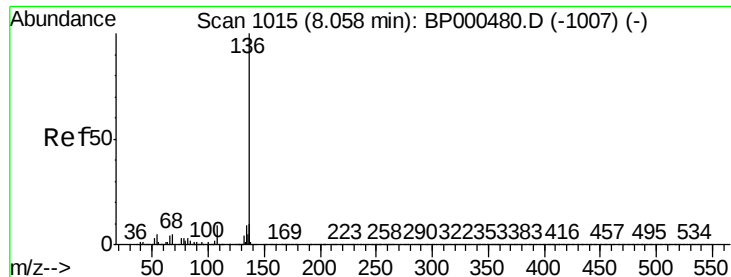
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#20
3+4-Methylphenols
Concen: 49.264 ng
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		577749		
108	91.4	72.6	112.6		
77	46.2	93.3	133.3#		
79	27.5	7.1	47.1		





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampleId :

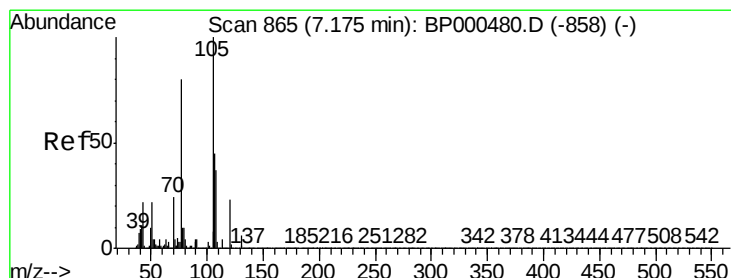
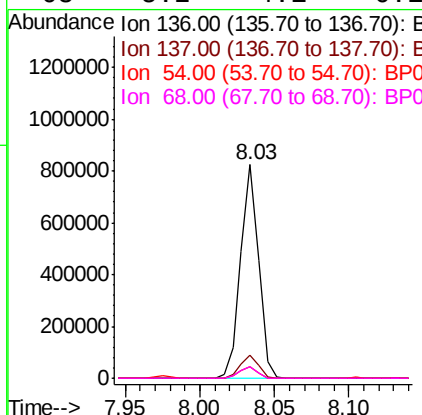
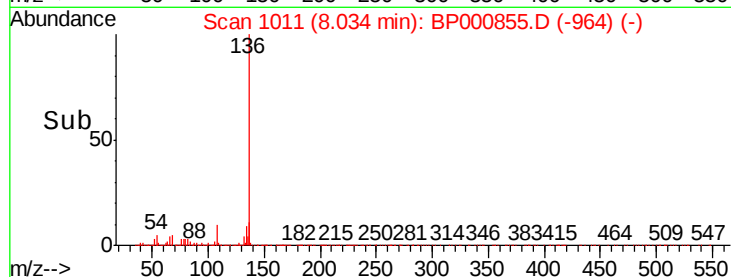
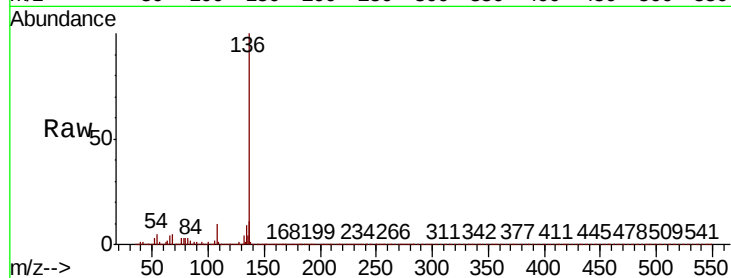
72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	694700		
137	11.0	8.2	12.4	
54	5.4	4.1	6.1	
68	5.2	4.1	6.1	

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#22

Acetophenone

Concen: 48.908 ng

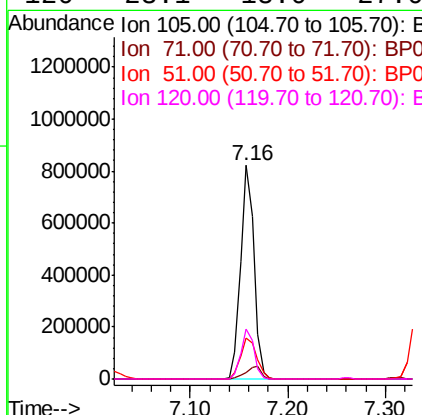
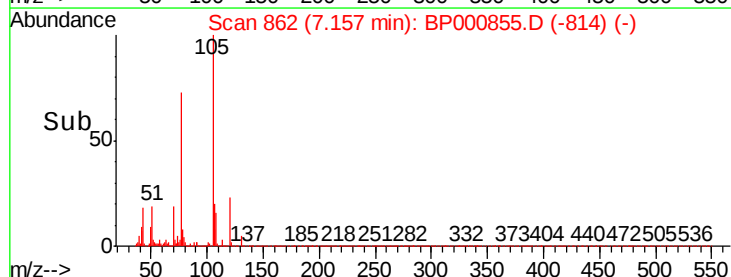
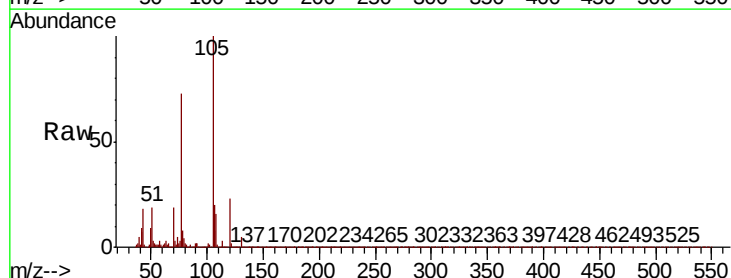
RT: 7.16 min Scan# 862

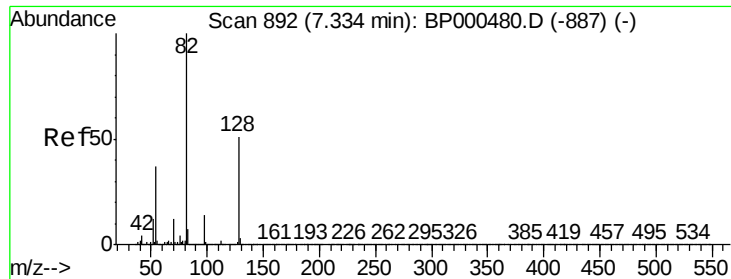
Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	785072		
71	3.2	3.3	4.9#	
51	19.2	17.4	26.2	
120	23.1	18.0	27.0	





#23
 Nitrobenzene-d5
 Concen: 80.277 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.02 min
 Lab File: BP000855.D
 Acq: 17 Oct 2019 23:27

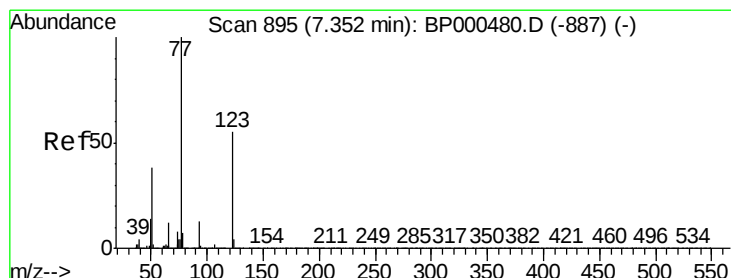
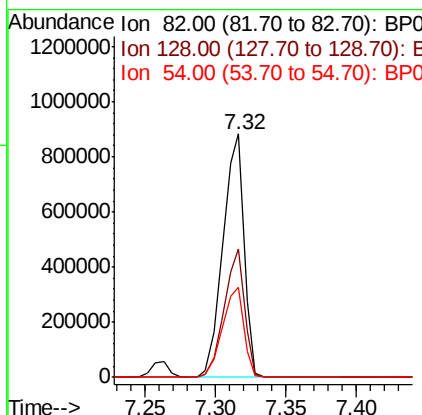
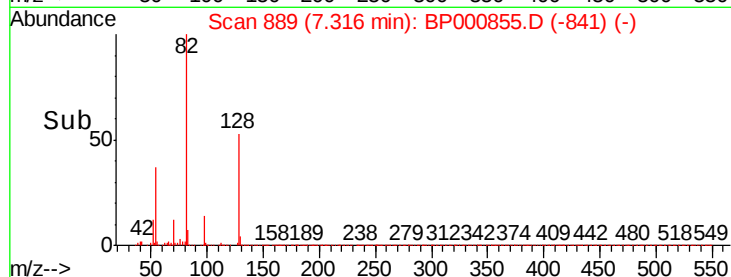
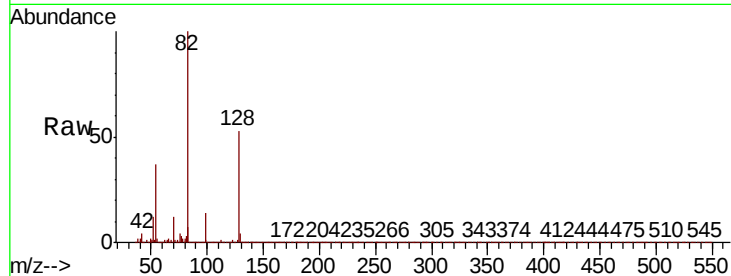
Instrument :
 BNA_P
 ClientSampleId :
 72-11933MSD

Tot Ion:	82	Resp:	913109
Ion Ratio	Lower	Upper	
82	100		
128	52.6	40.9	61.3
54	37.0	29.4	44.2

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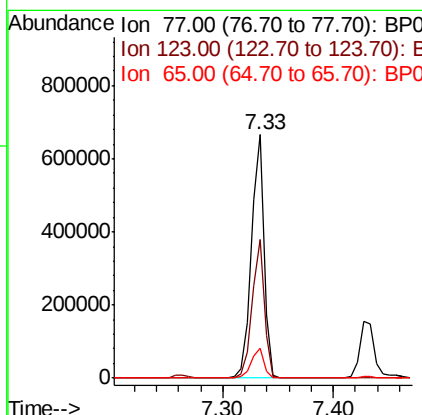
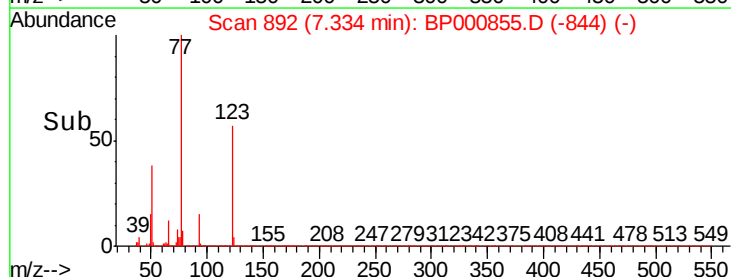
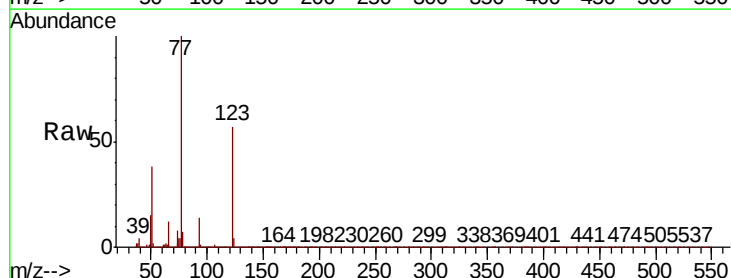
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#24
 Nitrobenzene
 Concen: 49.028 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BP000855.D
 Acq: 17 Oct 2019 23:27

Tgt Ion:	77	Resp:	537849
Ion Ratio	Lower	Upper	
77	100		
123	56.8	44.1	66.1
65	12.2	9.7	14.5





#25

Isophorone

Concen: 50.110 ng

RT: 7.57 min Scan# 933

Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampleId :

72-11933MSD

Tot Ion: 82 Resp: 1011584

Ion Ratio Lower Upper

82 100

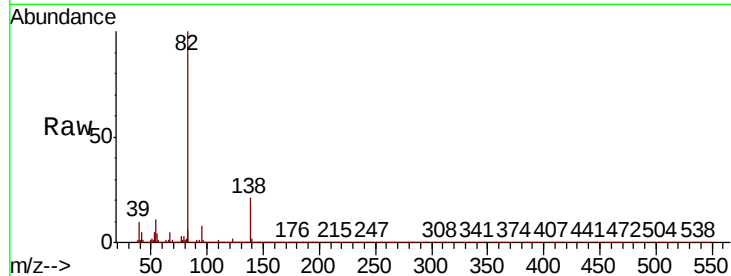
95 7.8 5.8 8.6

138 21.5 17.0 25.4

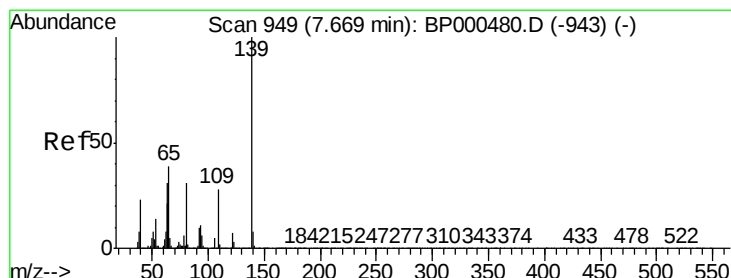
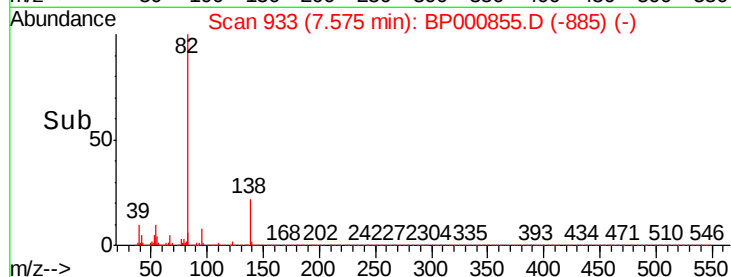
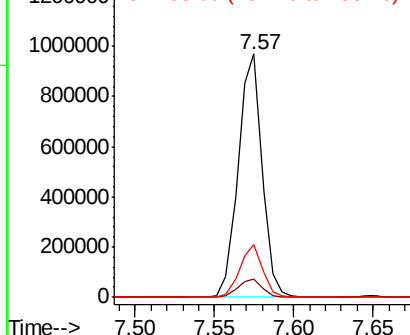
Manual Integrations
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Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 95.00 (94.70 to 95.70): BP0
Ion 138.00 (137.70 to 138.70): E



#26

2-Nitrophenol

Concen: 56.038 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

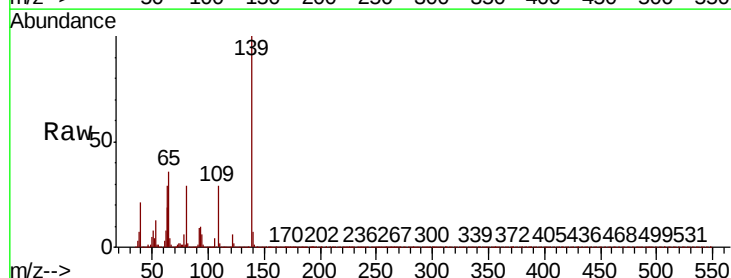
Tgt Ion: 139 Resp: 323288

Ion Ratio Lower Upper

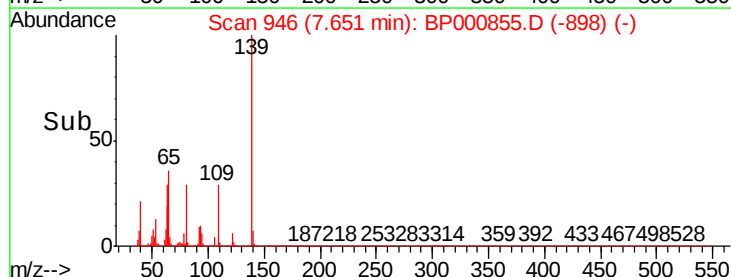
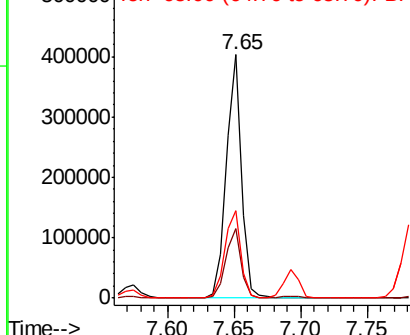
139 100

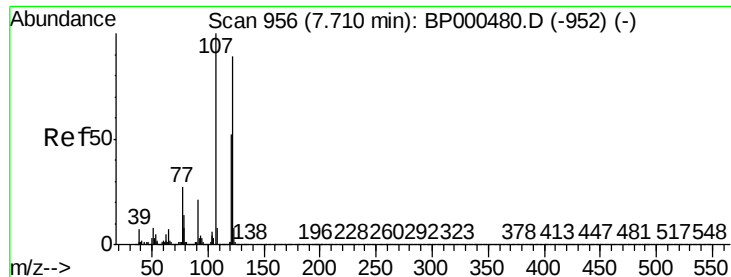
109 28.6 22.8 34.2

65 35.8 31.5 47.3



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BP0





#27
2,4-Dimethylphenol
Concen: 57.714 ng
RT: 7.69 min Scan# 953
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

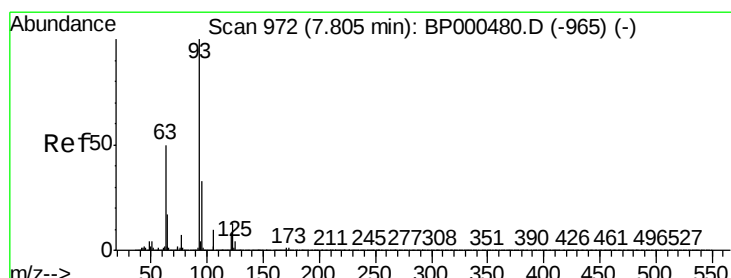
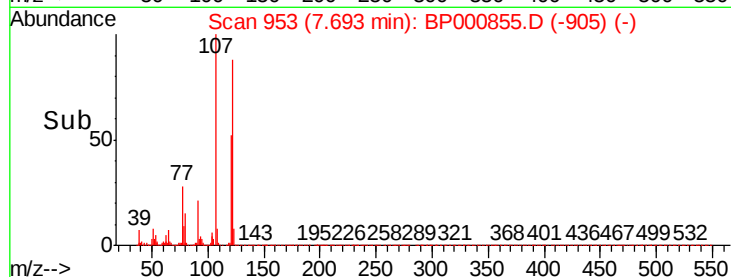
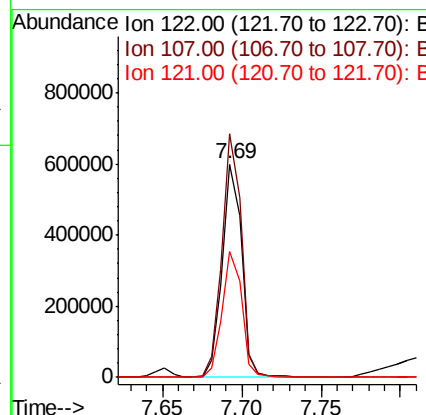
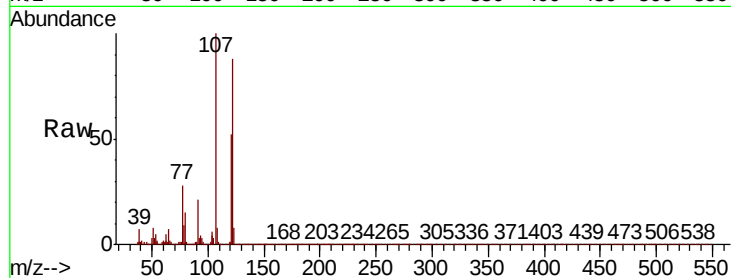
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100			
107	114.3	89.9	134.9	
121	59.4	46.6	70.0	

Manual Integrations
APPROVED

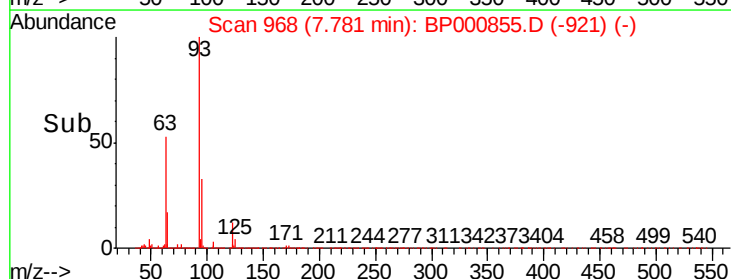
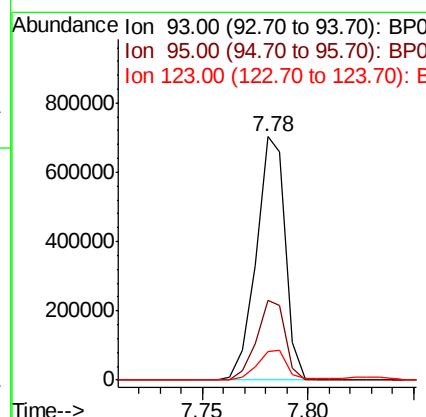
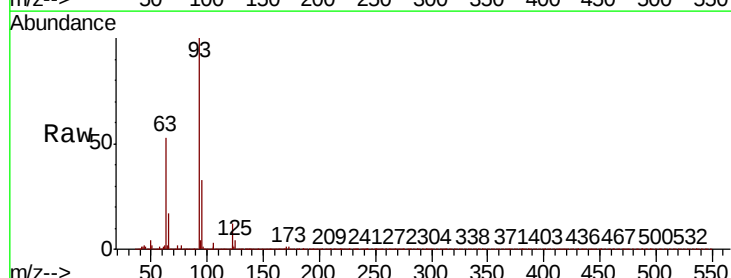
mohammad

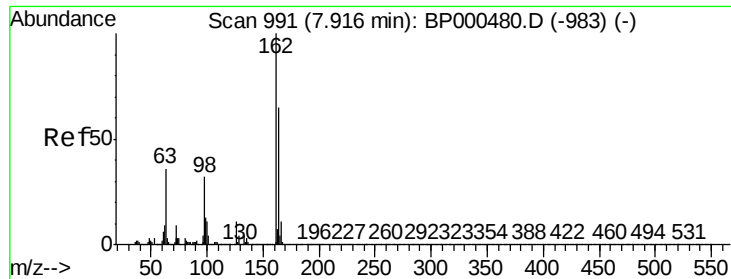
10/20/2019 8:16:25 PM



#28
bis(2-Chloroethoxy)methane
Concen: 48.853 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	32.6	26.2	39.2	
123	11.9	10.2	15.2	





#29
2,4-Dichlorophenol
Concen: 53.230 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

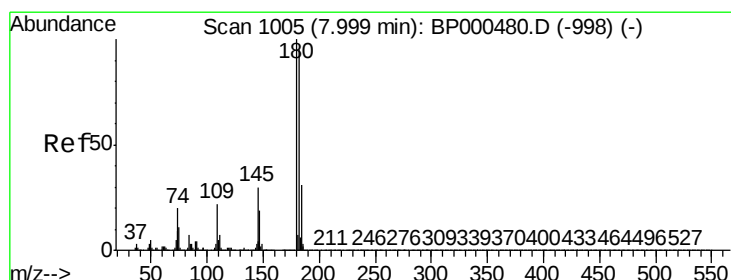
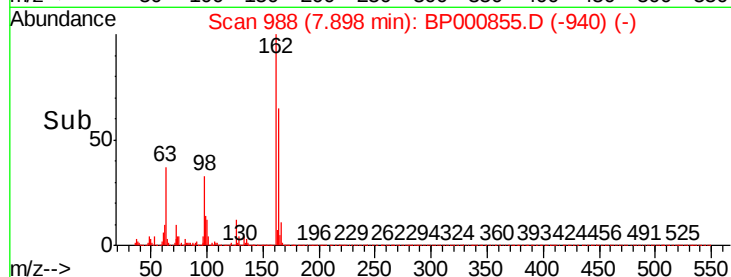
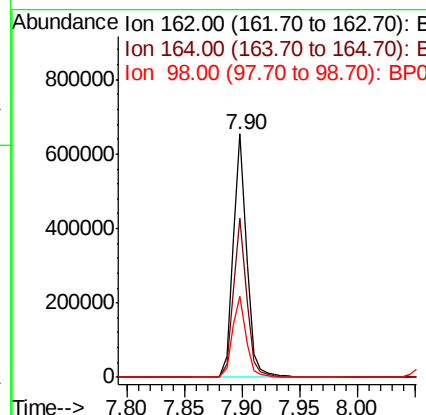
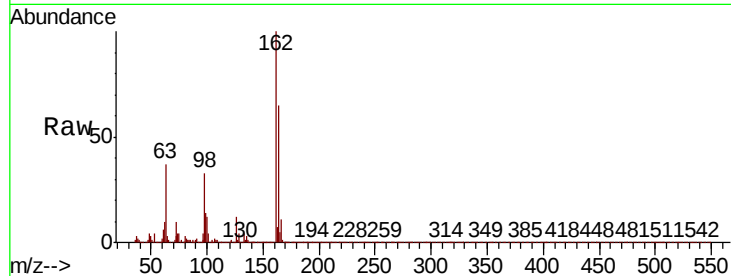
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	65.3	44.6	84.6	
98	33.2	11.6	51.6	

Manual Integrations
APPROVED

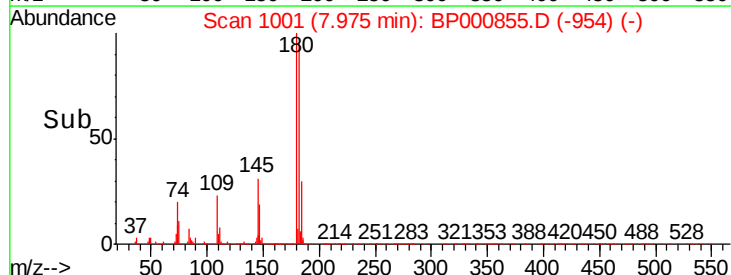
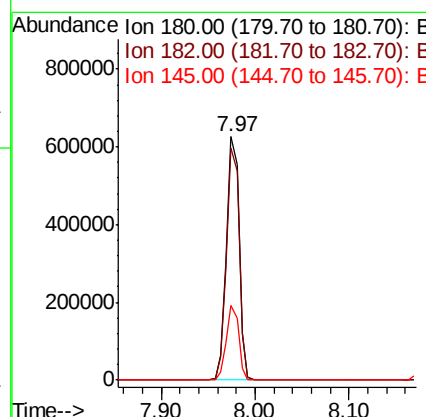
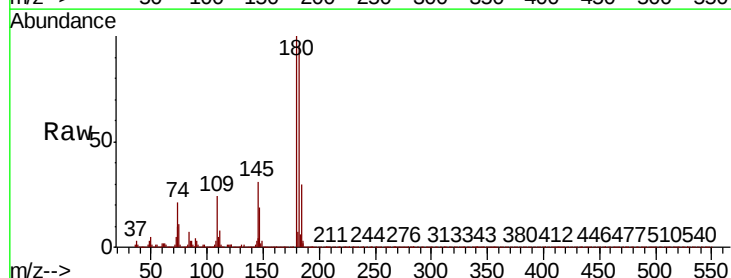
mohammad

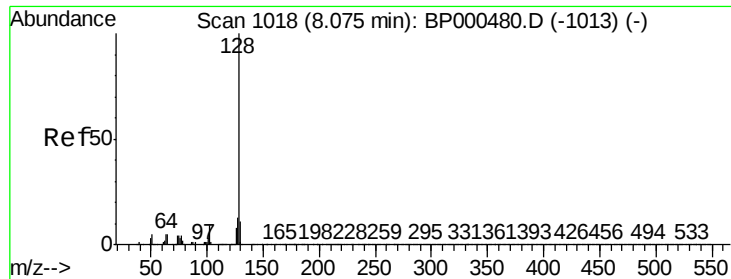
10/20/2019 8:16:25 PM



#30
1,2,4-Trichlorobenzene
Concen: 50.531 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	76.2	114.4	
145	30.5	23.6	35.4	





#31
Naphthalene
Concen: 51.522 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

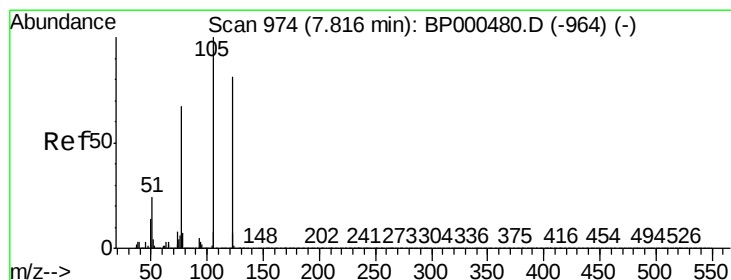
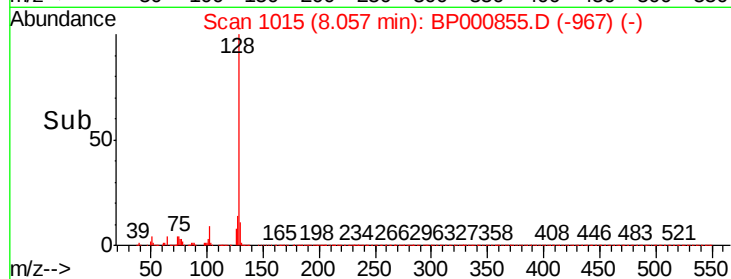
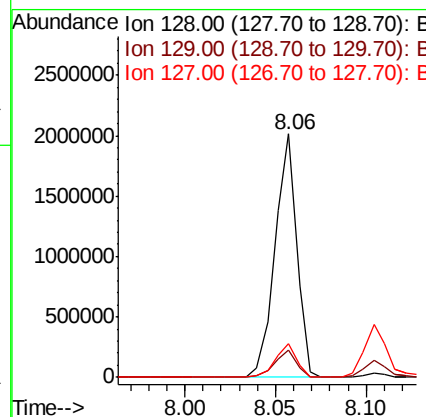
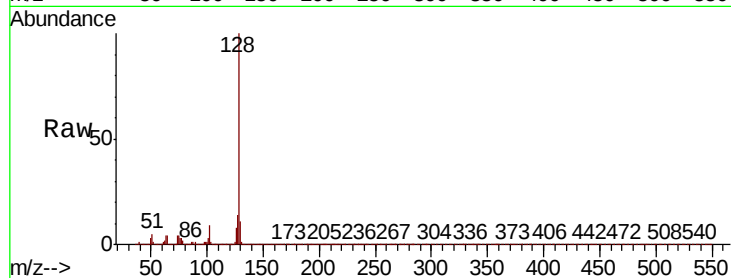
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.8	10.5	15.7

Manual Integrations
APPROVED

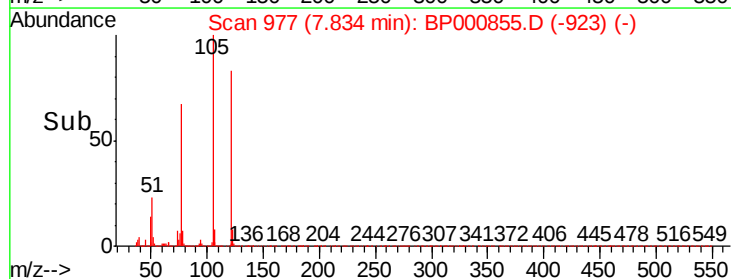
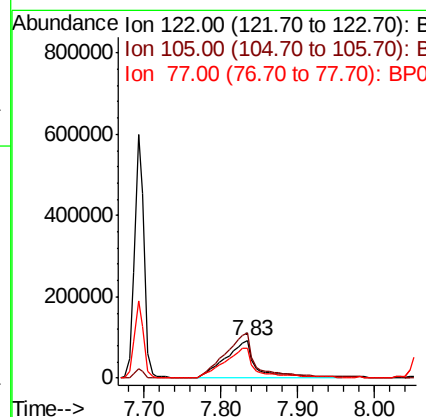
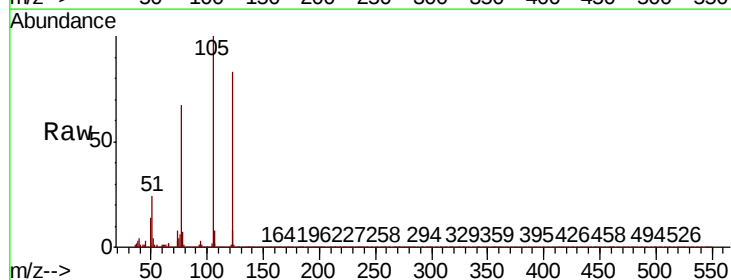
mohammad

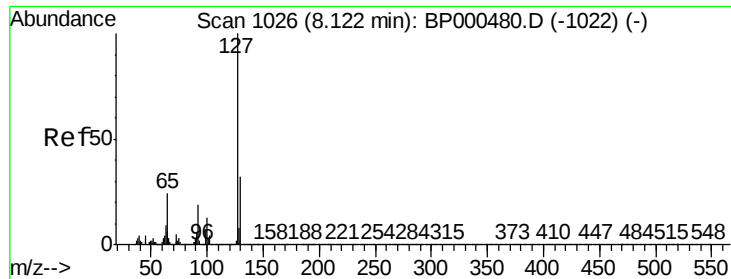
10/20/2019 8:16:25 PM



#32
Benzoic acid
Concen: 44.762 ng
RT: 7.83 min Scan# 977
Delta R.T. 0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.5	101.4	141.4
77	81.0	62.1	102.1





#33
4-Chloroaniline
Concen: 28.516 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

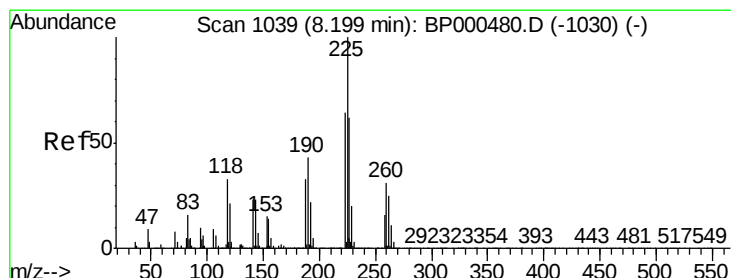
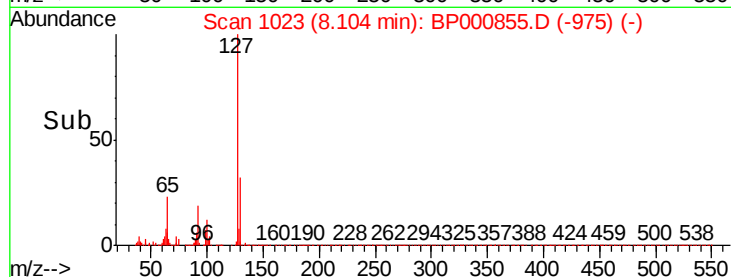
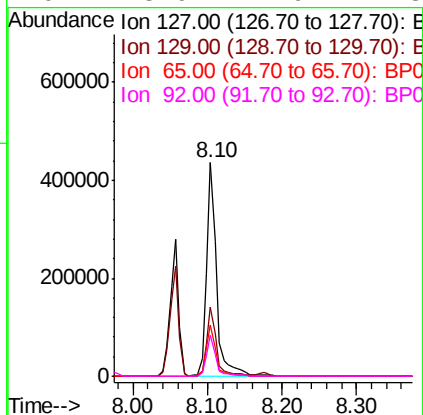
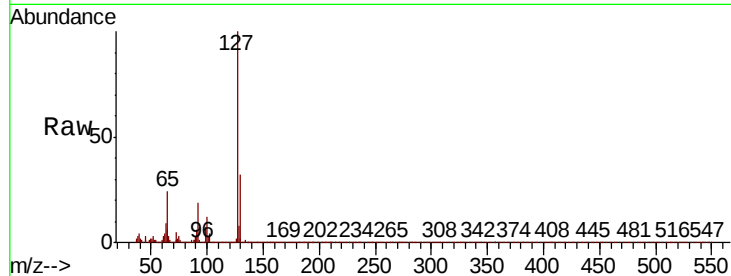
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.4	25.6	38.4	
65	24.0	19.2	28.8	
92	18.9	14.9	22.3	

Manual Integrations
APPROVED

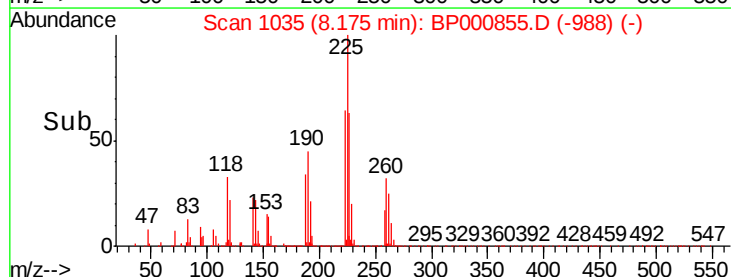
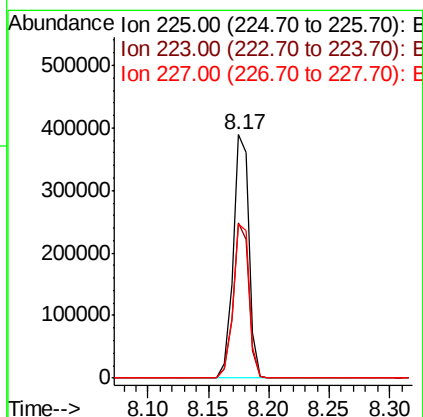
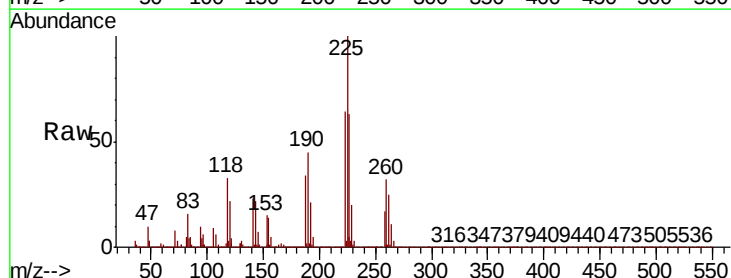
mohammad

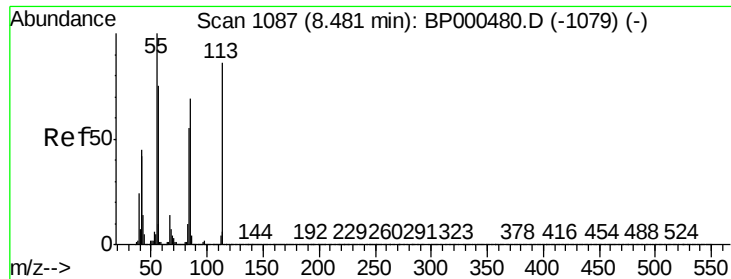
10/20/2019 8:16:25 PM



#34
Hexachlorobutadiene
Concen: 49.964 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	51.4	77.0	
227	63.3	49.7	74.5	





#35
Caprolactam
Concen: 51.408 ng/ml
RT: 8.47 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

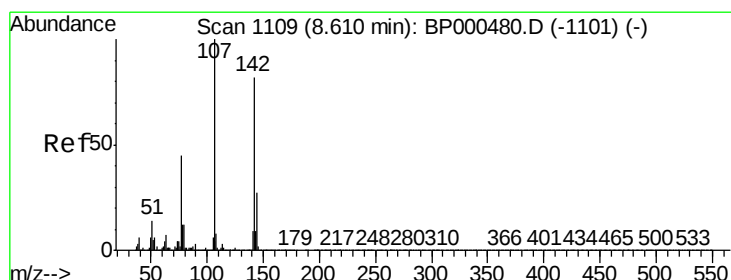
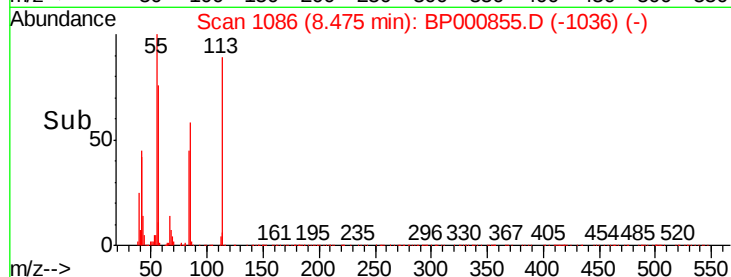
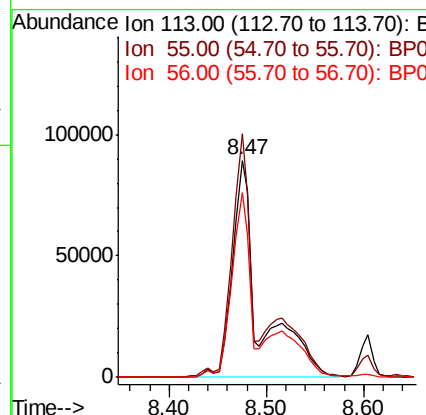
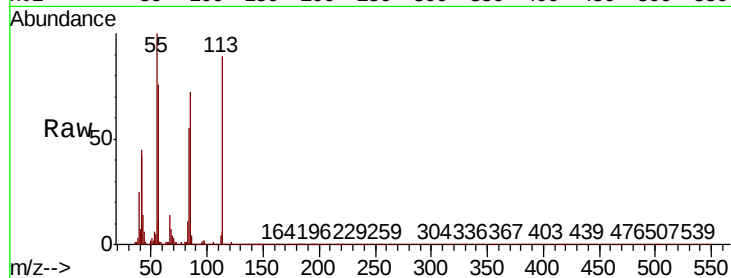
Instrument :
BNA_P
ClientSampled :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	112.3	95.9	135.9
56	85.0	67.2	107.2

Manual Integrations
APPROVED

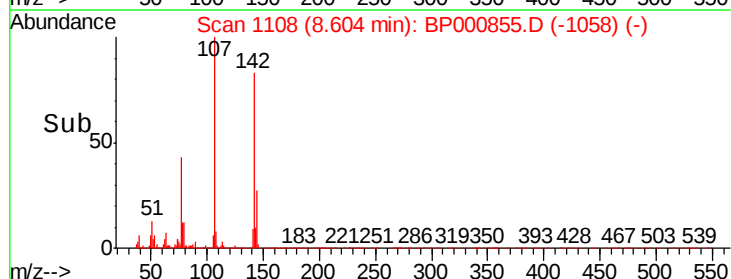
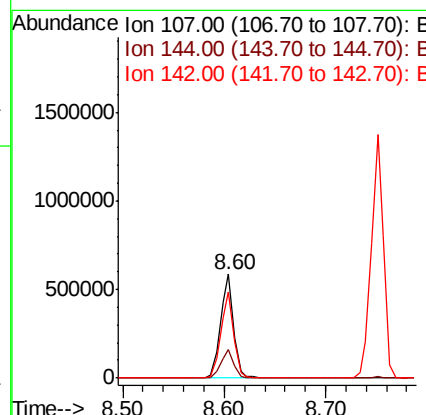
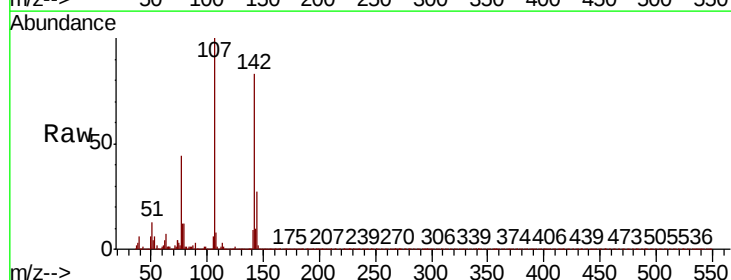
mohammad

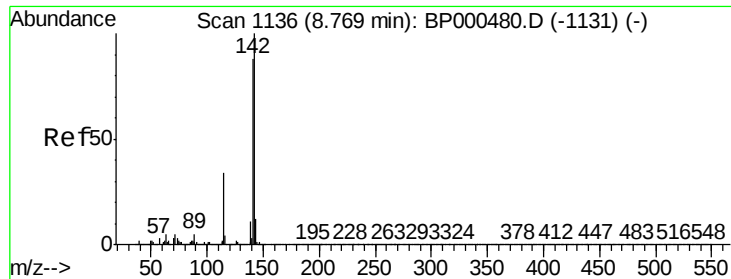
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#36
4-Chloro-3-methylphenol
Concen: 52.965 ng/ml
RT: 8.60 min Scan# 1108
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.8	32.8
142	83.3	65.5	98.3





#37
2-Methylnaphthalene
Concen: 52.817 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

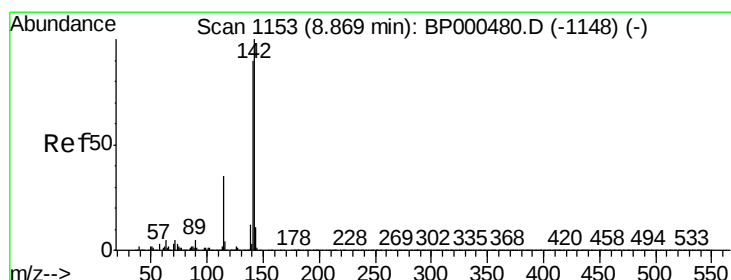
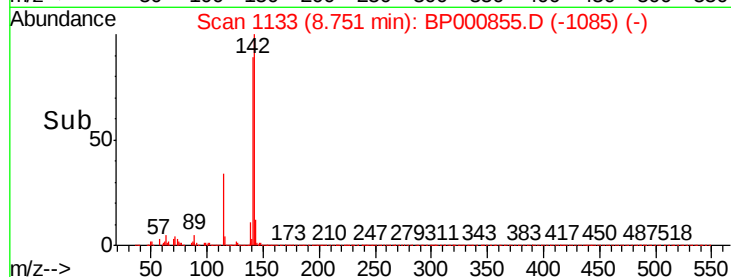
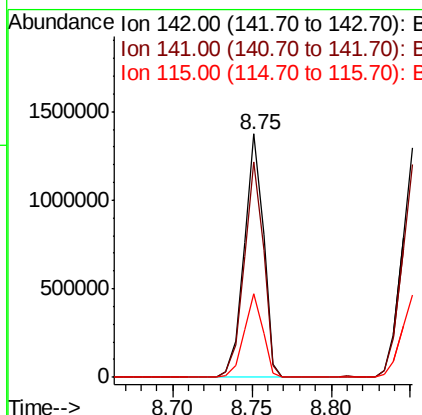
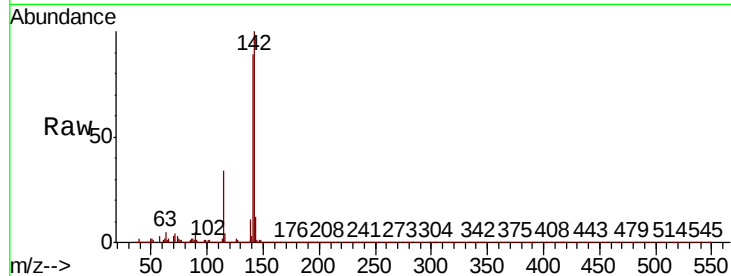
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.6	106.0
115	34.4	27.4	41.0

Manual Integrations
APPROVED

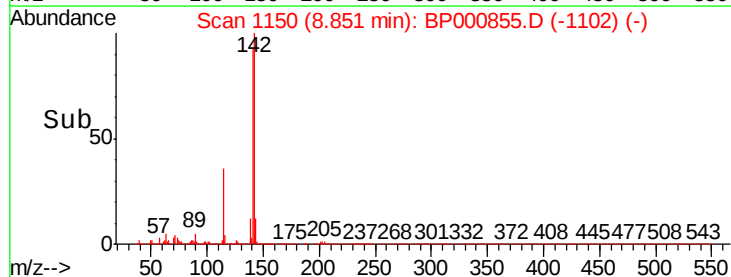
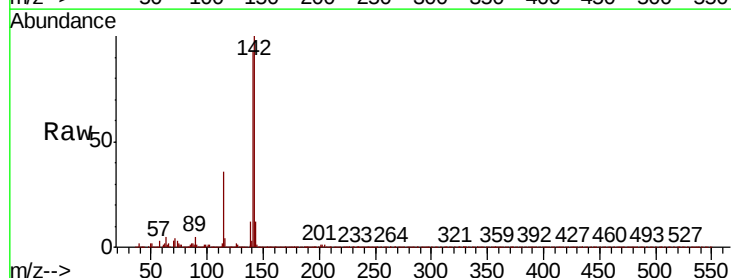
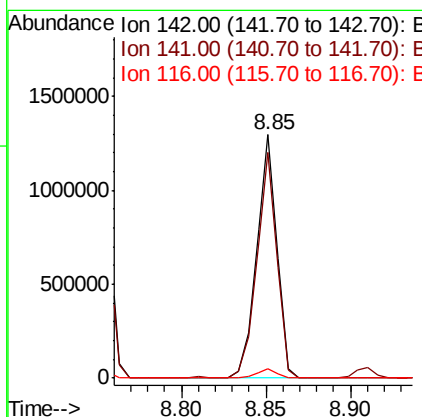
mohammad

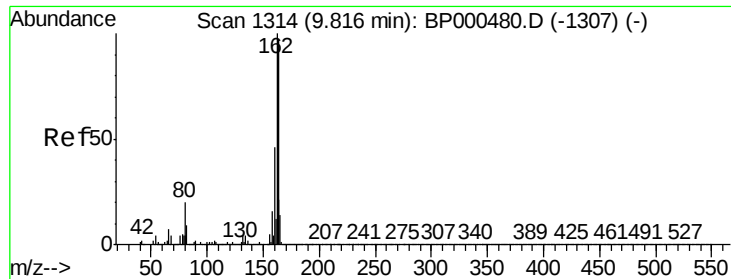
10/20/2019 8:16:25 PM



#38
1-Methylnaphthalene
Concen: 52.358 ng
RT: 8.85 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	71.9	107.9
116	3.7	3.0	4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

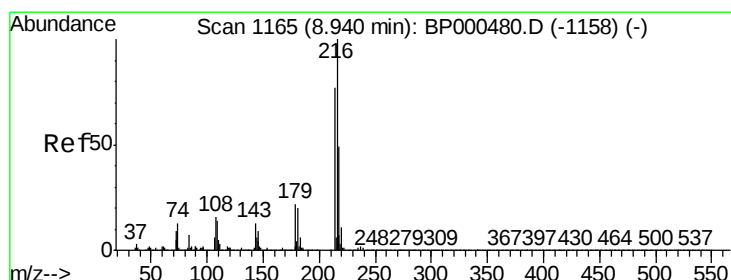
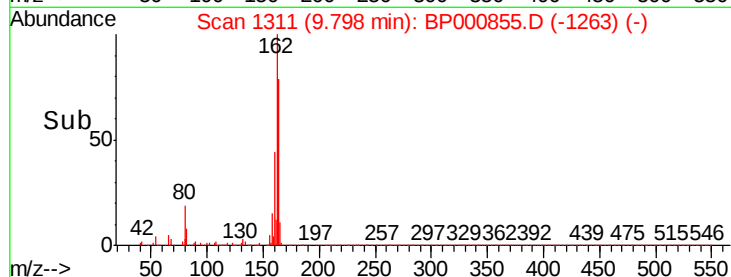
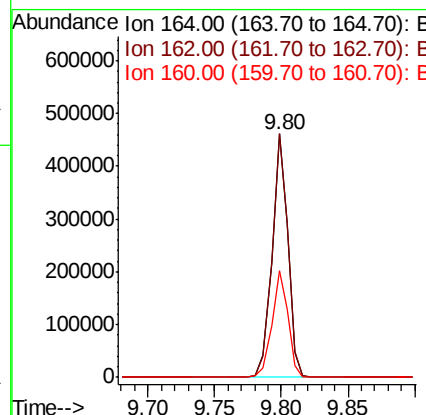
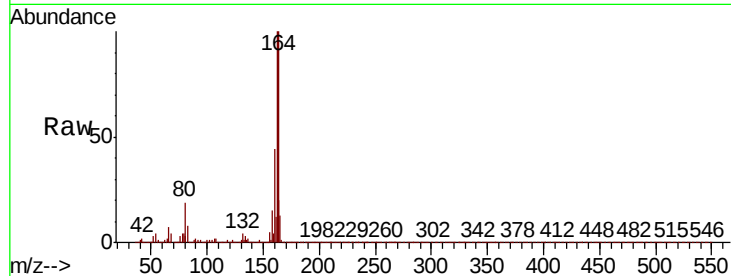
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	82.2	123.2
160	43.9	37.6	56.4

Manual Integrations
APPROVED

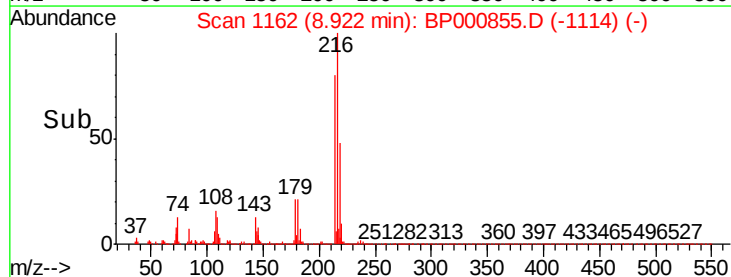
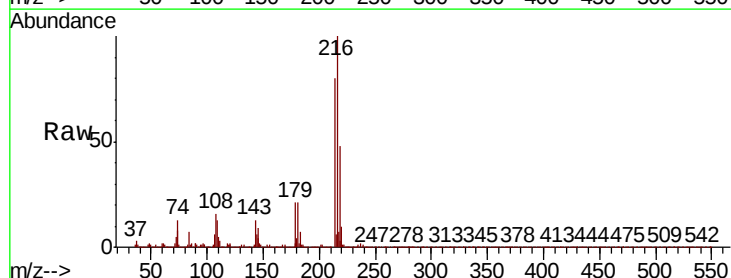
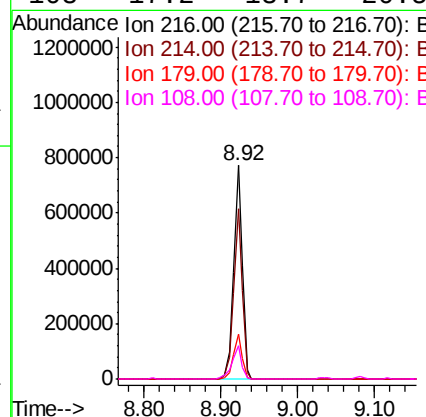
mohammad

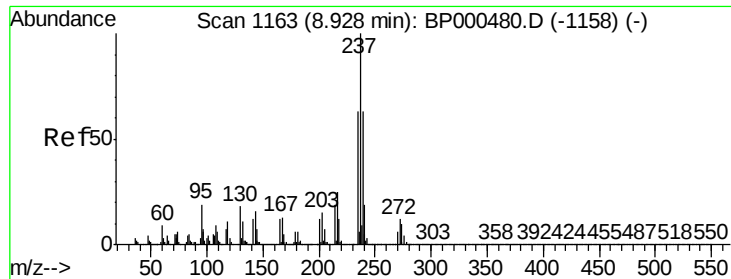
10/20/2019 8:16:25 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.849 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.4	62.7	94.1
179	20.8	16.7	25.1
108	17.2	13.7	20.5





#41
Hexachlorocyclopentadiene
Concen: 77.502 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

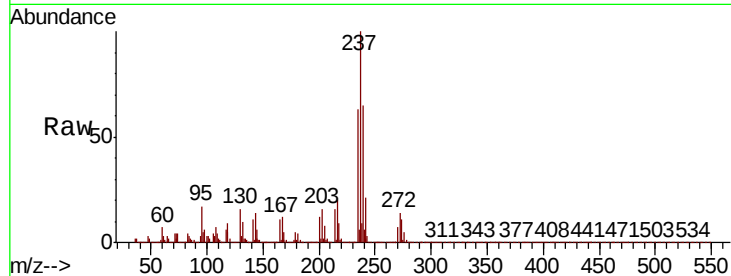
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Resp Lower	Upper
237	100		
235	62.8	42.9	82.9
272	13.5	0.0	32.4

Manual Integrations
APPROVED

mohammad

10/20/2019 8:16:25 PM

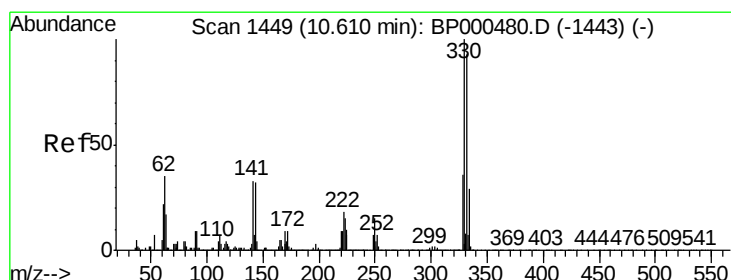
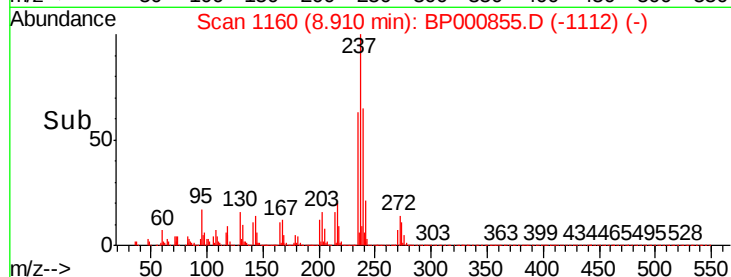
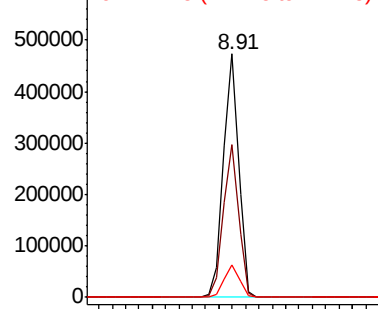


Abundance

Ion 236.80 (236.50 to 237.50): E

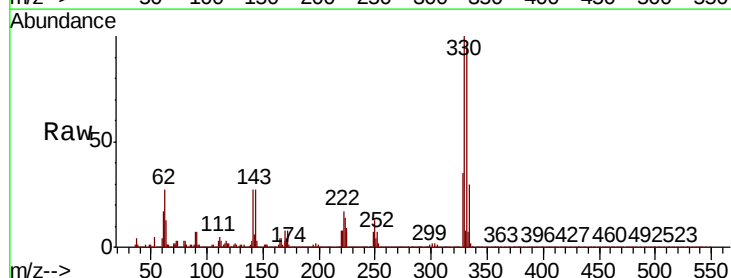
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42
2,4,6-Tribromophenol
Concen: 126.074 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.0	77.1	115.7
141	29.0	26.0	39.0

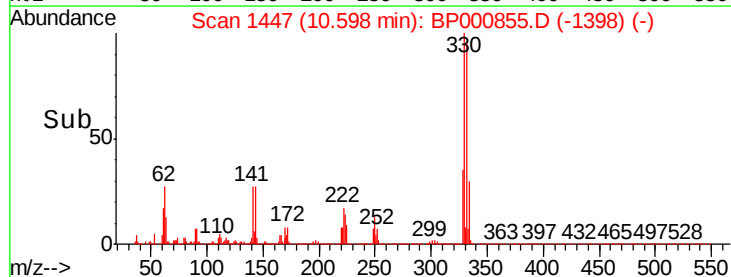
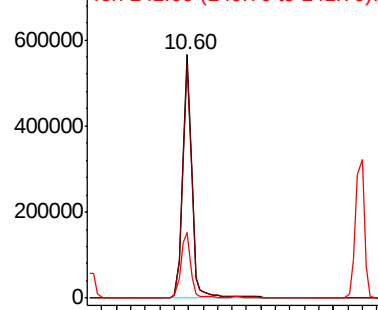


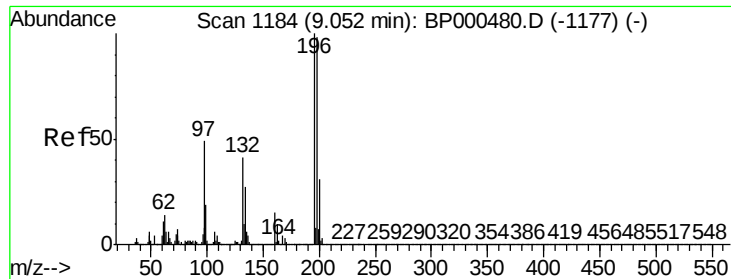
Abundance

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: 50.215 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BP000855.D
 Acq: 17 Oct 2019 23:27

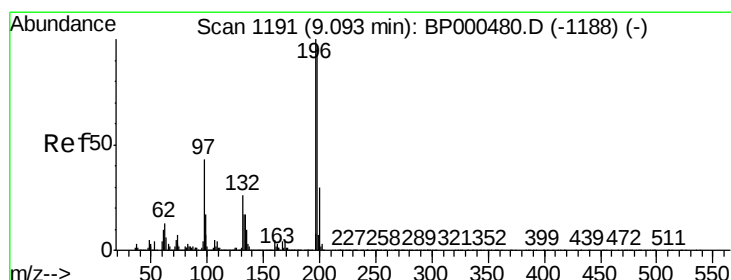
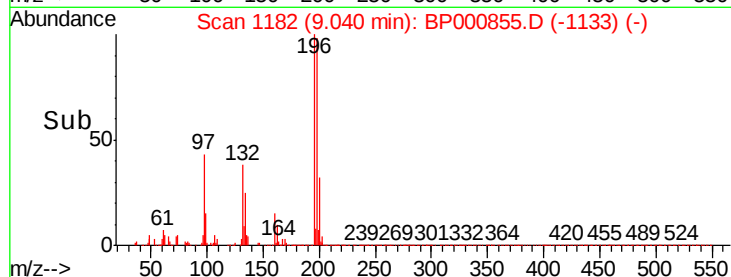
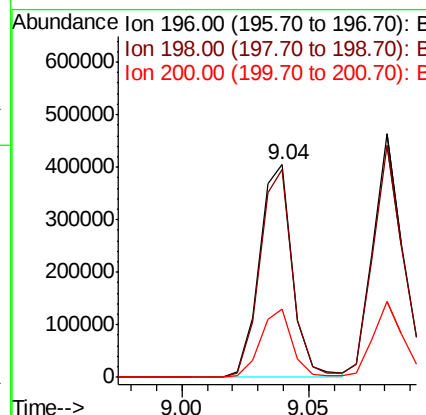
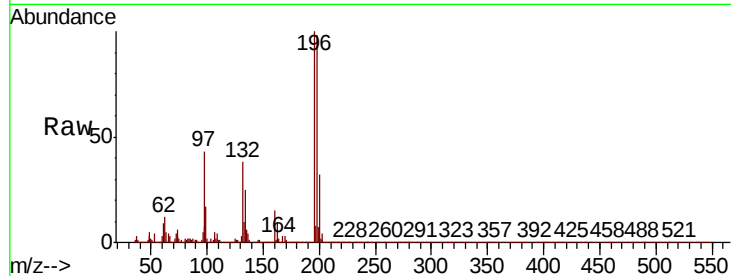
Instrument :
 BNA_P
 ClientSampleId :
 72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	368070		
198	97.6		78.2	117.2
200	31.9		24.9	37.3

Manual Integrations
 APPROVED

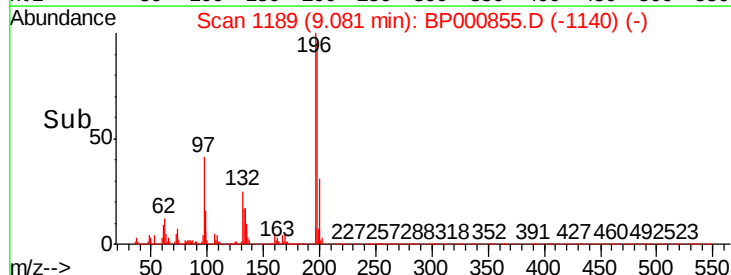
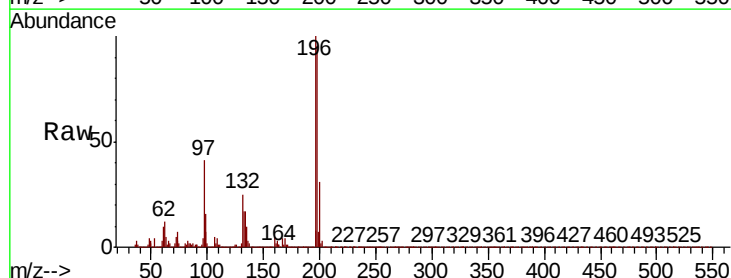
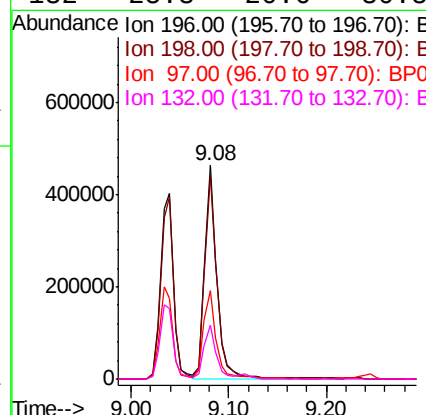
mohammad

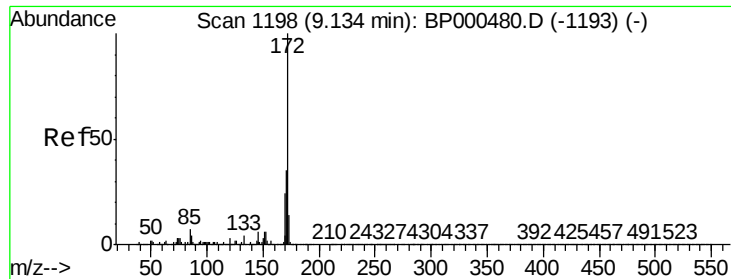
10/20/2019 8:16:25 PM



#44
 2,4,5-Trichlorophenol
 Concen: 53.108 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BP000855.D
 Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	401923		
198	95.4		77.4	116.0
97	41.3		34.6	51.8
132	25.3		20.6	30.8





#45
2-Fluorobiphenyl
Concen: 81.835 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

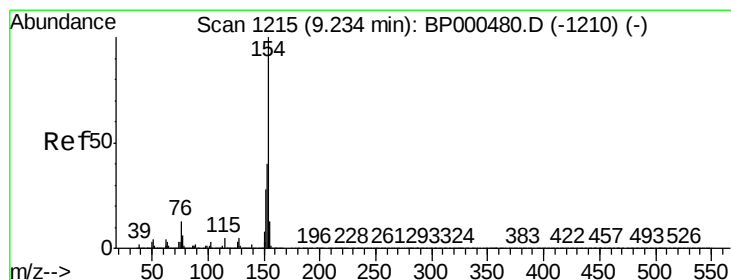
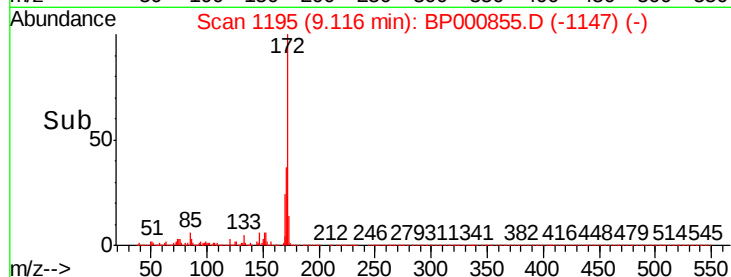
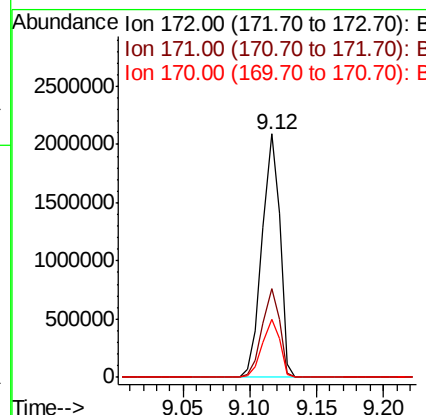
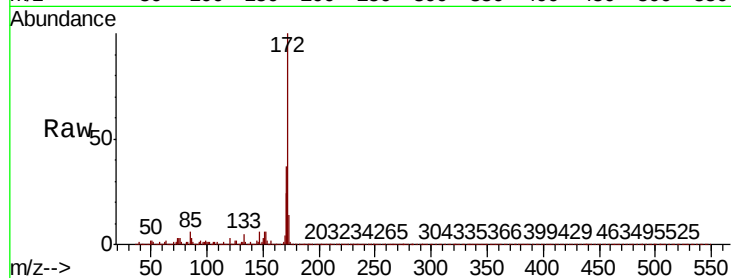
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.4	42.6
170	23.9	19.1	28.7

Manual Integrations
APPROVED

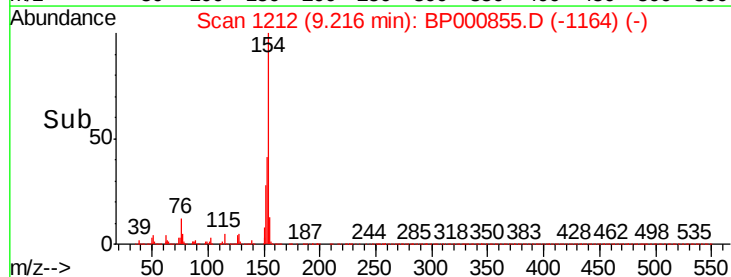
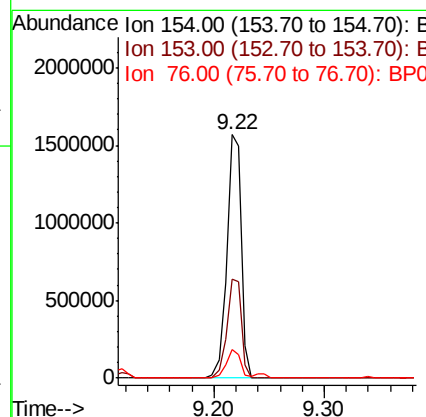
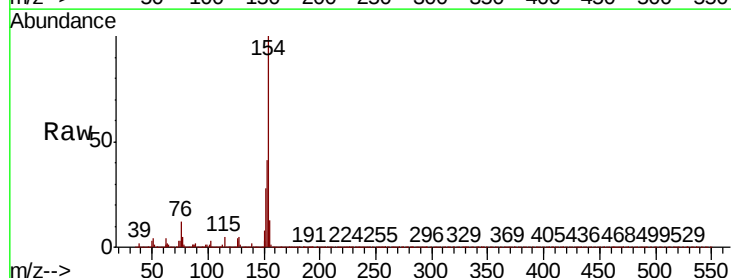
mohammad

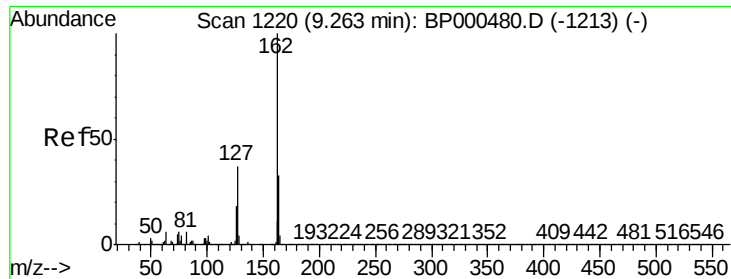
10/20/2019 8:16:25 PM



#46
1,1'-Biphenyl
Concen: 50.186 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	19.9	59.9
76	11.6	0.0	32.8





#47
2-Chloronaphthalene
Concen: 50.814 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

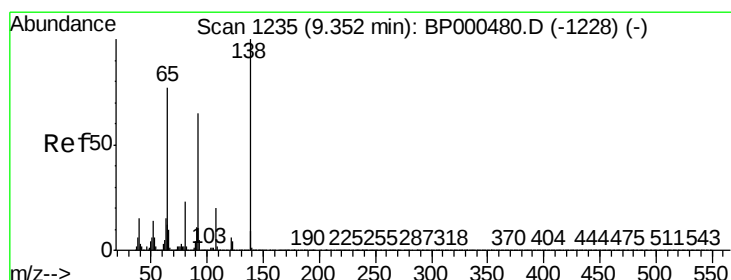
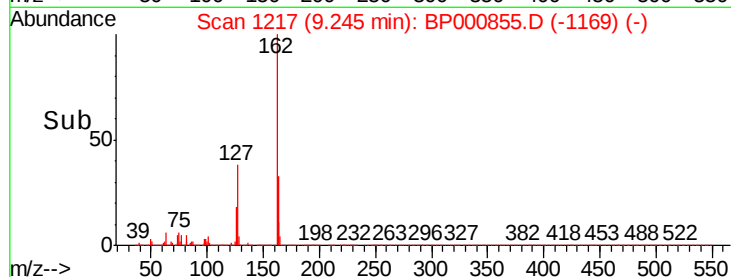
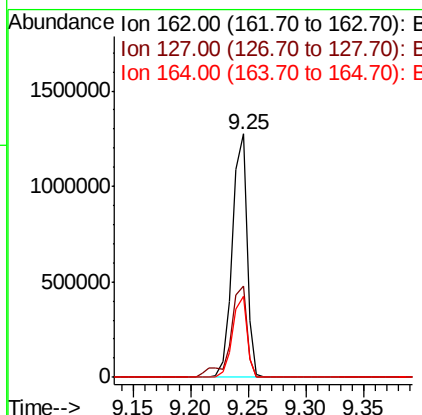
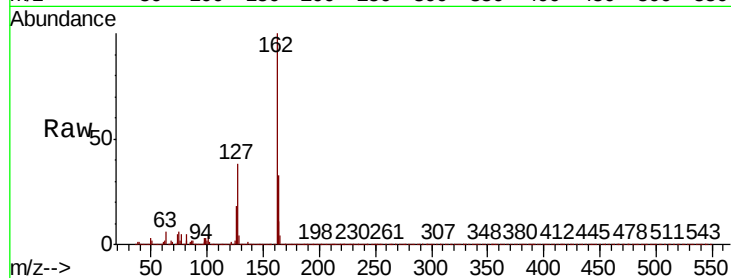
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	37.5	29.8	44.6
164	33.0	26.6	39.8

Manual Integrations
APPROVED

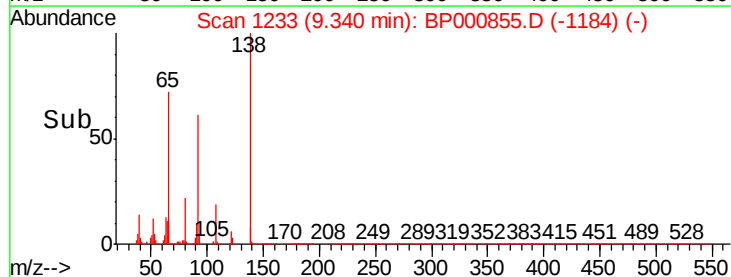
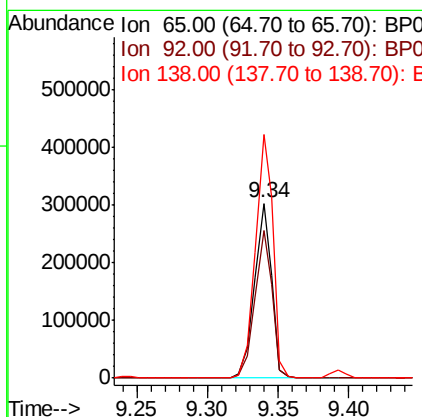
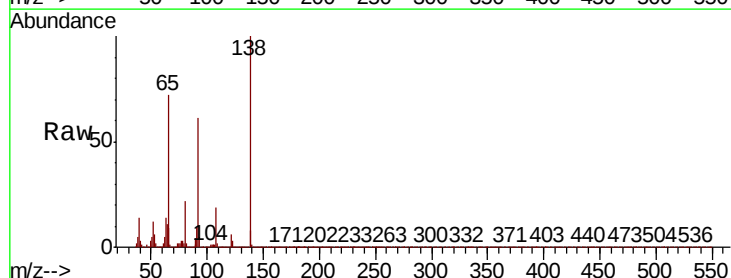
mohammad

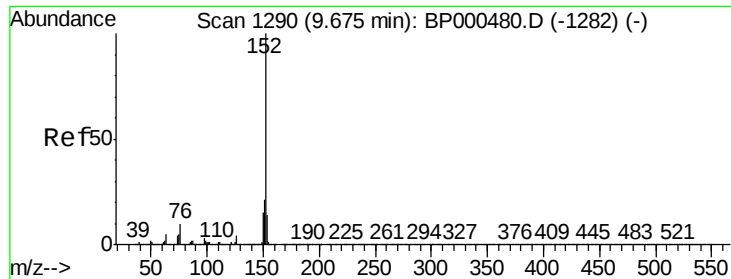
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#48
2-Nitroaniline
Concen: 48.846 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	84.3	67.0	100.4
138	139.2	103.5	155.3





#49
Acenaphthylene
Concen: 51.975 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

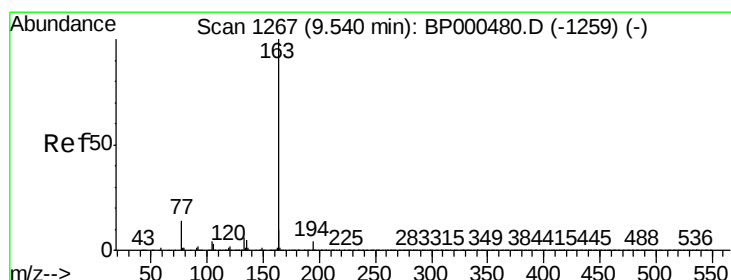
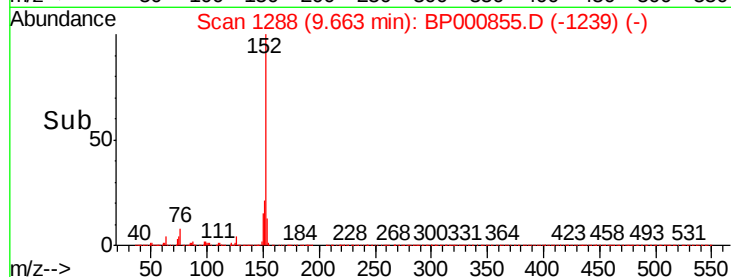
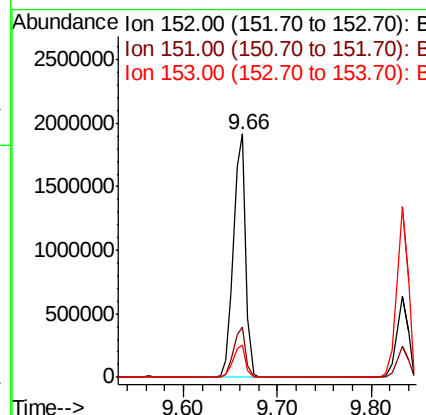
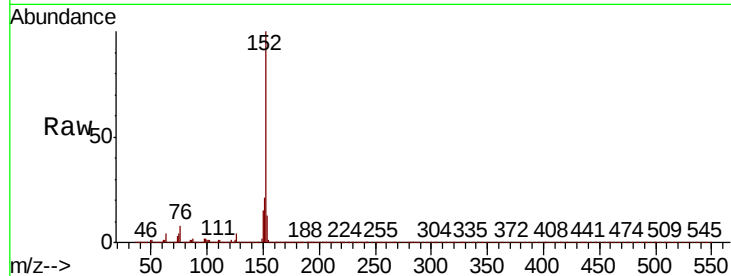
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion:	152	Resp:	1721821
Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	25.0
153	13.2	11.0	16.6

Manual Integrations
APPROVED

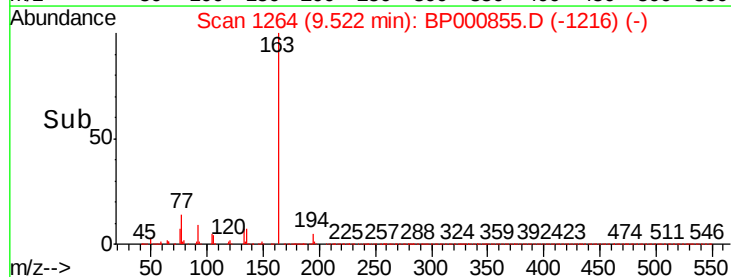
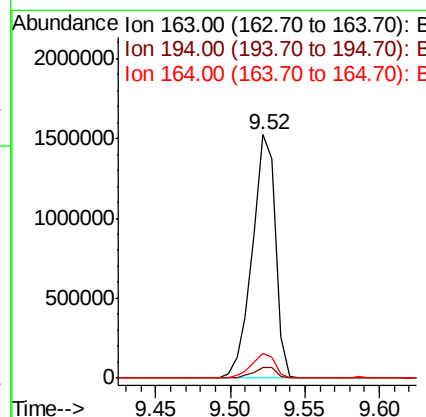
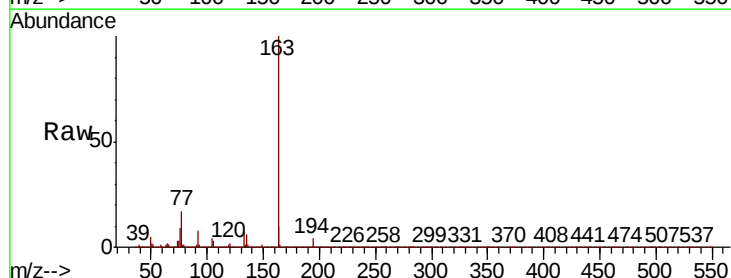
mohammad

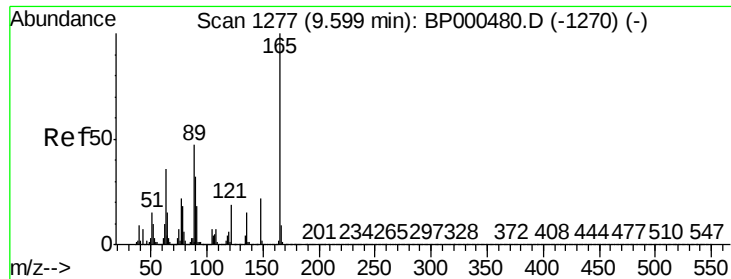
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#50
Dimethylphthalate
Concen: 62.315 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion:	163	Resp:	1628926
Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.4	8.0	12.0





#51
 2,6-Dinitrotoluene
 Concen: 53.456 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.01 min
 Lab File: BP000855.D
 Acq: 17 Oct 2019 23:27

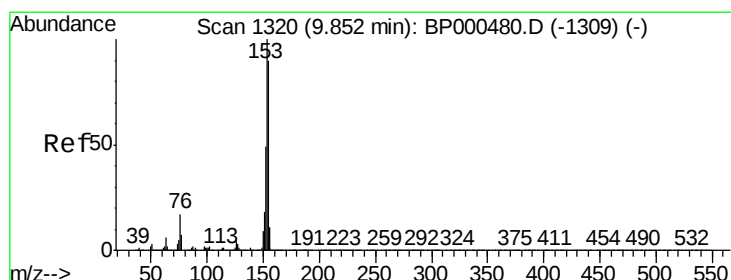
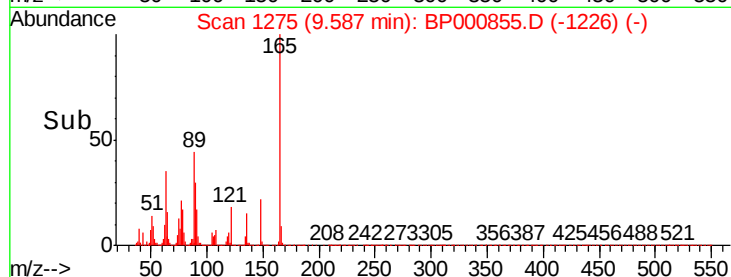
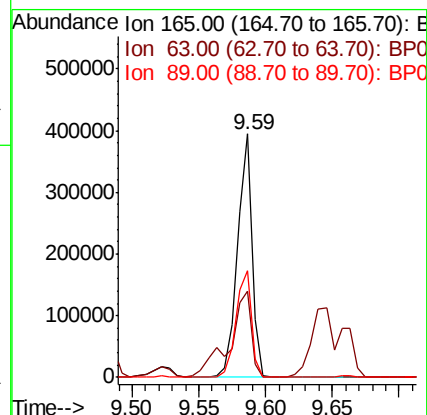
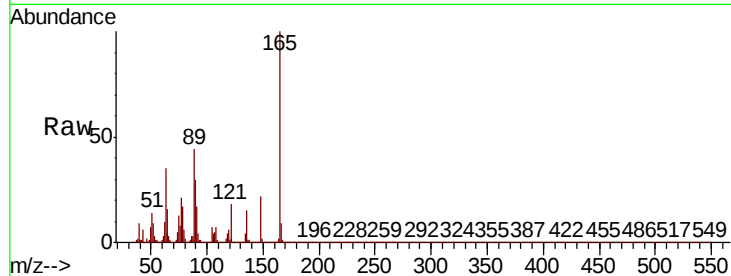
Instrument :
 BNA_P
 ClientSampleId :
 72-11933MSD

Tot Ion:	165	Resp:	304725
Ion Ratio		Lower	Upper
165	100		
63	35.3	29.9	44.9
89	44.0	37.3	55.9

Manual Integrations
 APPROVED

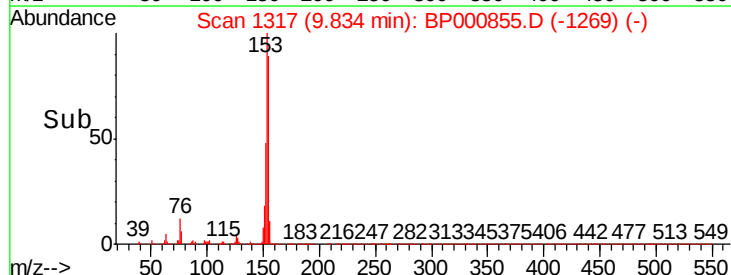
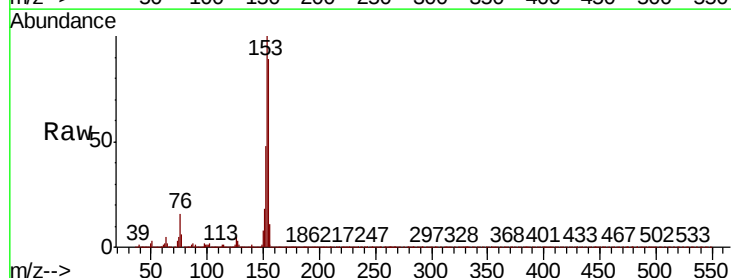
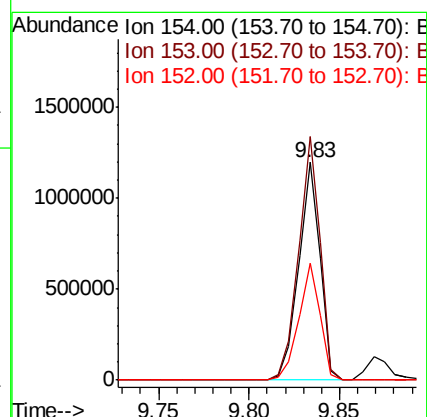
mohammad

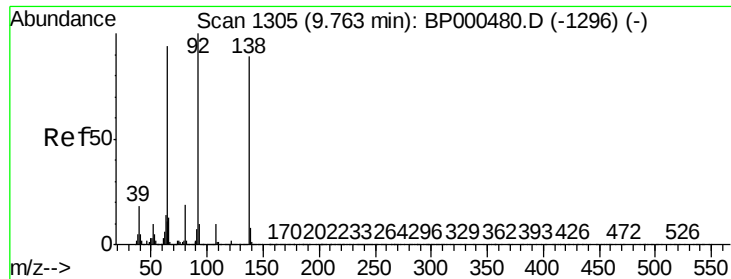
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#52
 Acenaphthene
 Concen: 49.603 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.02 min
 Lab File: BP000855.D
 Acq: 17 Oct 2019 23:27

Tgt Ion:	154	Resp:	996809
Ion Ratio		Lower	Upper
154	100		
153	111.8	89.4	134.0
152	53.6	43.8	65.8





#53
3-Nitroaniline
Concen: 32.069 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

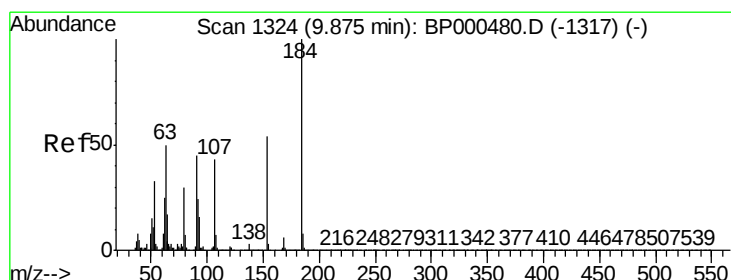
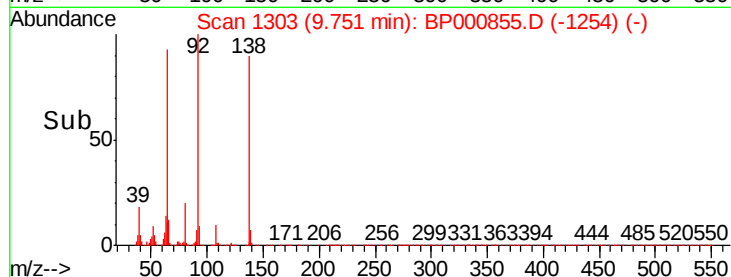
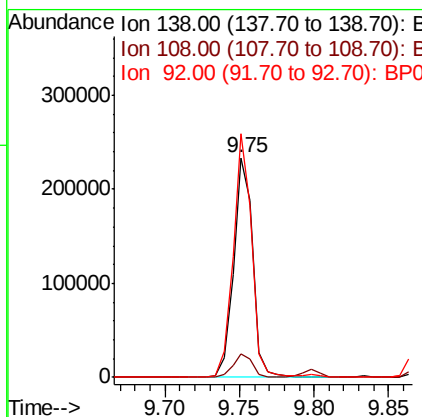
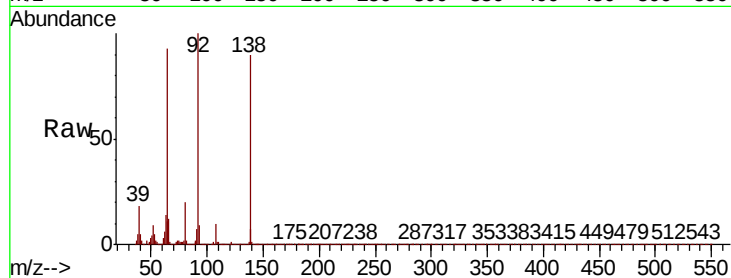
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.8	13.2
92	110.9	90.4	135.6

Manual Integrations
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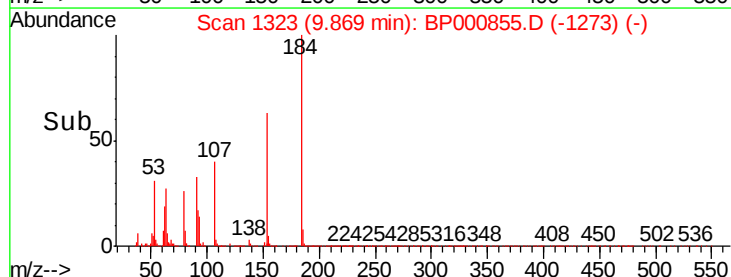
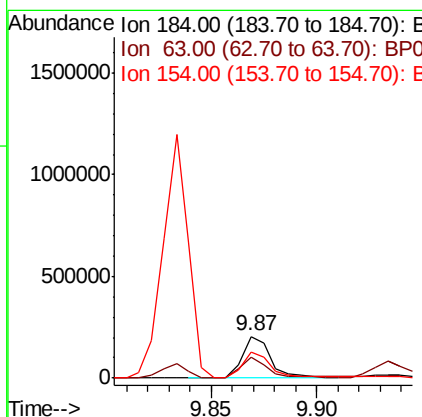
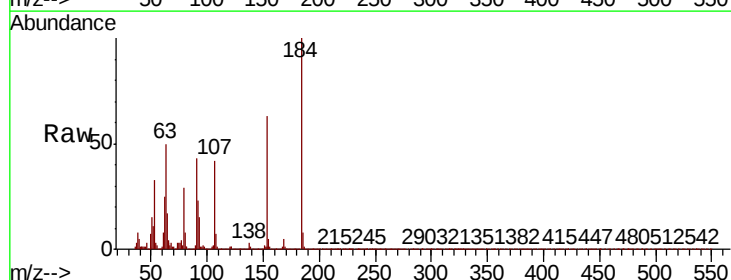
mohammad

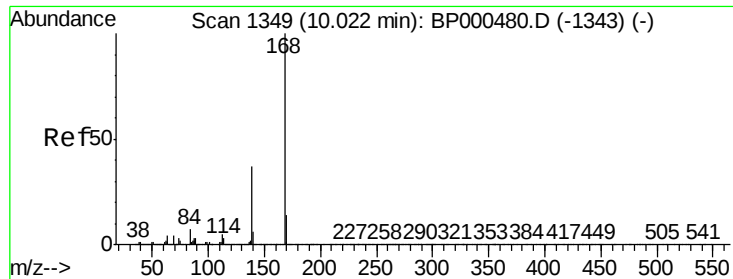
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#54
2,4-Dinitrophenol
Concen: 103.519 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
184	100		
63	50.2	41.0	61.4
154	63.1	49.8	74.8





#55

Dibenzofuran

Concen: 51.299 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampleId :

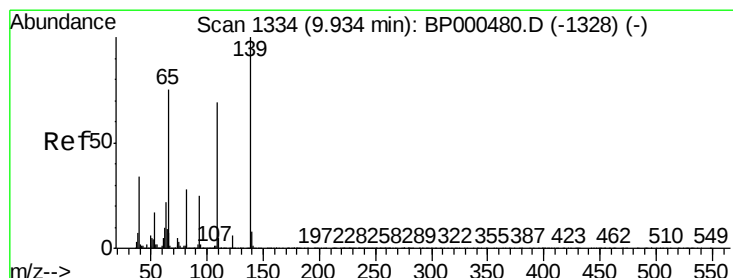
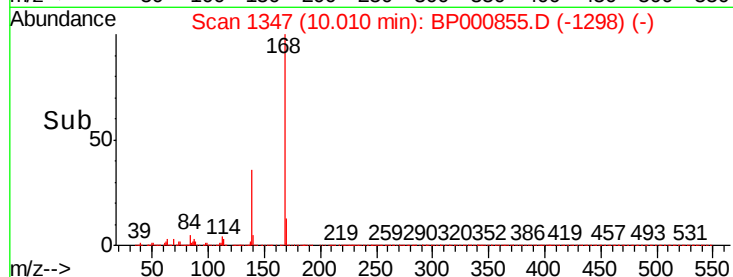
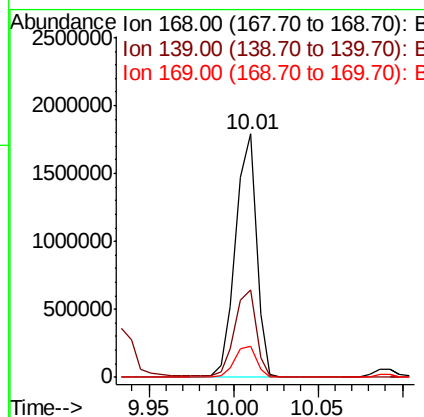
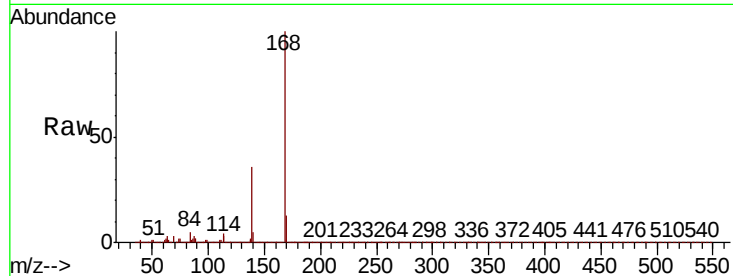
72-11933MSD

Tot Ion:	168	Resp:	1541022
Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.5	44.3
169	13.0	11.1	16.7

Manual Integrations
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#56

4-Nitrophenol

Concen: 87.948 ng

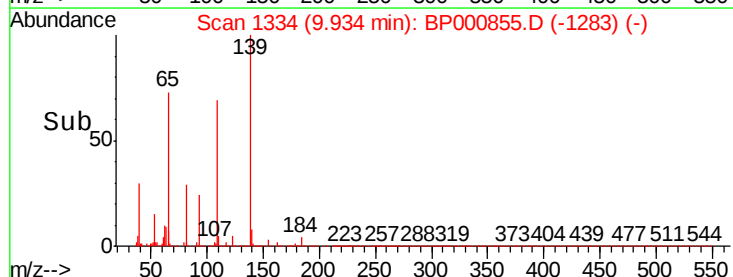
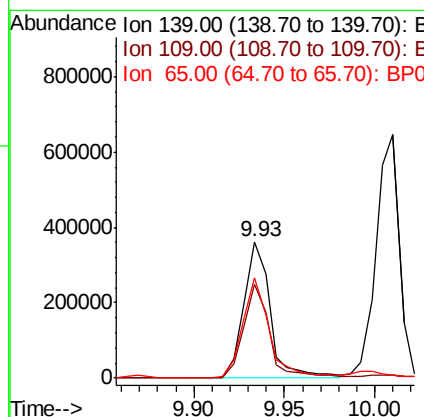
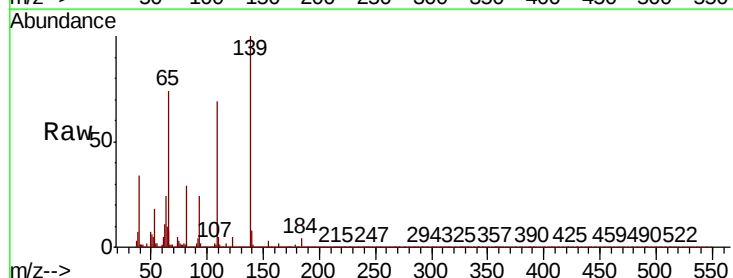
RT: 9.93 min Scan# 1334

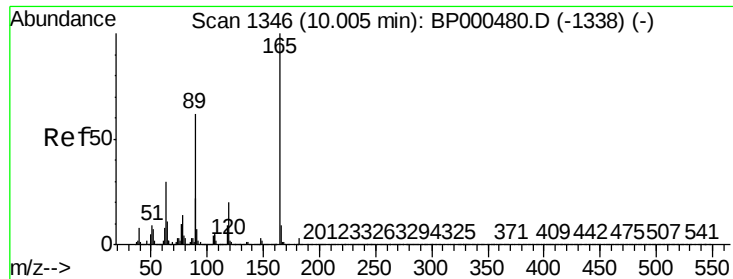
Delta R.T. -0.00 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Tgt Ion:	139	Resp:	366753
Ion	Ratio	Lower	Upper
139	100		
109	69.2	48.6	88.6
65	74.1	55.3	95.3





#57
2,4-Dinitrotoluene
Concen: 51.707 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

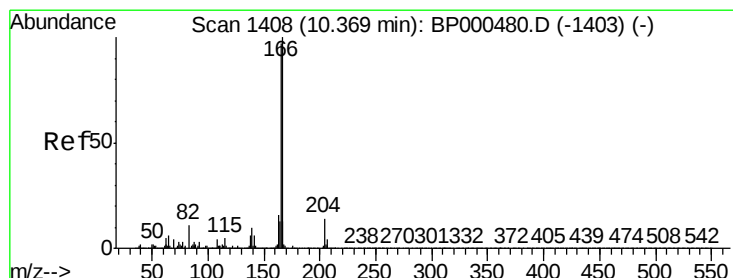
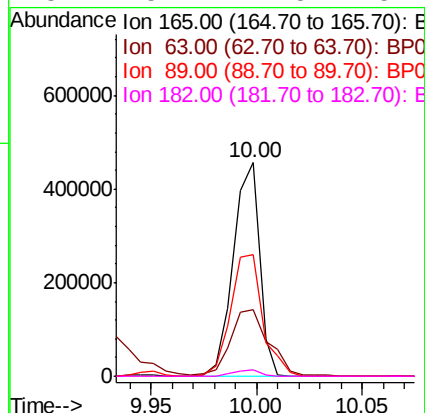
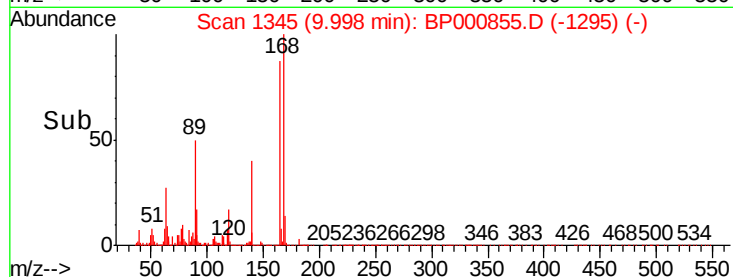
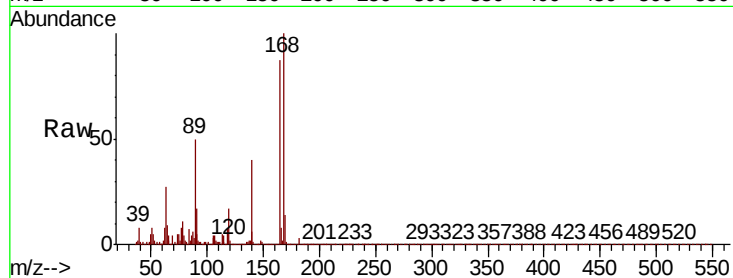
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	390816		
63	31.2	24.2	36.4	
89	57.2	49.4	74.0	
182	3.1	2.5	3.7	

Manual Integrations
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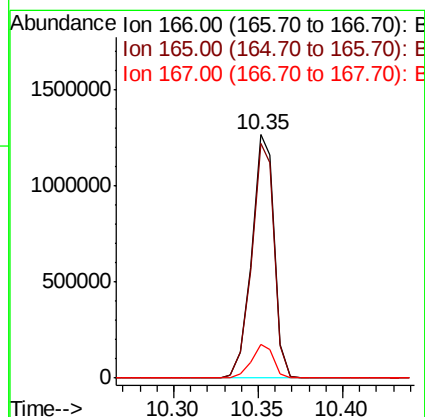
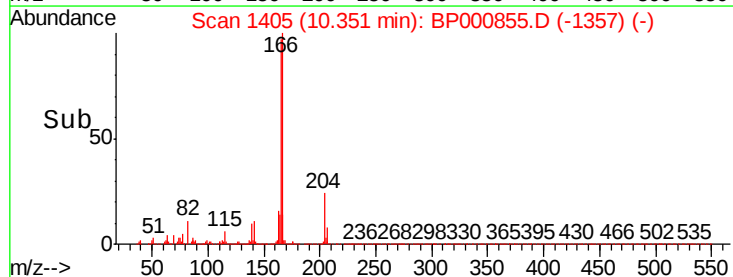
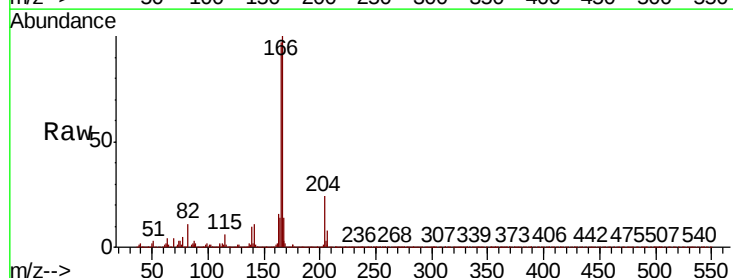
mohammad

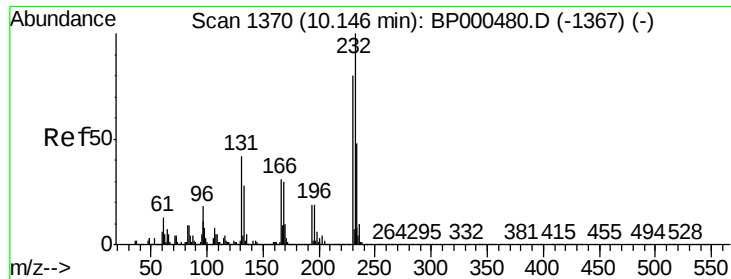
10/20/2019 8:16:25 PM



#58
Fluorene
Concen: 54.834 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1173984		
165	96.5	77.3	115.9	
167	13.6	10.6	16.0	





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.574 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

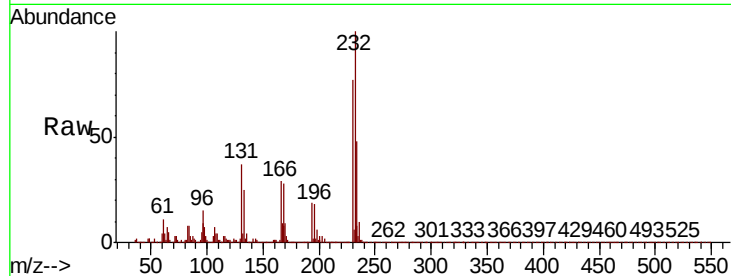
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	329947		
131	37.1		32.1	48.1
130	2.1		1.6	2.4
166	26.9		23.0	34.4

Manual Integrations
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mohammad

10/20/2019 8:16:25 PM



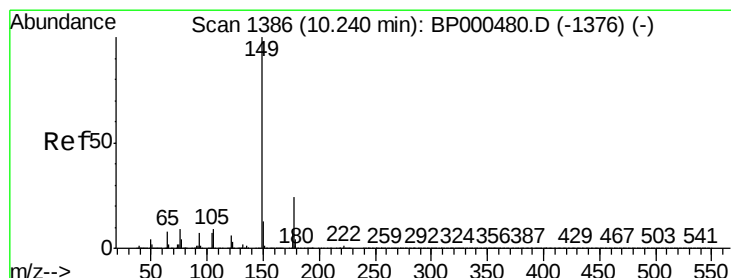
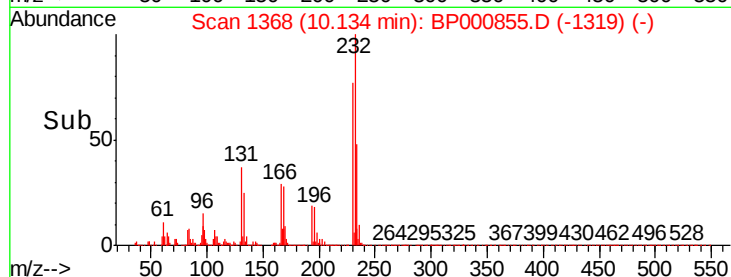
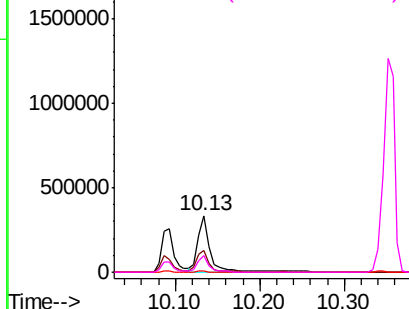
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

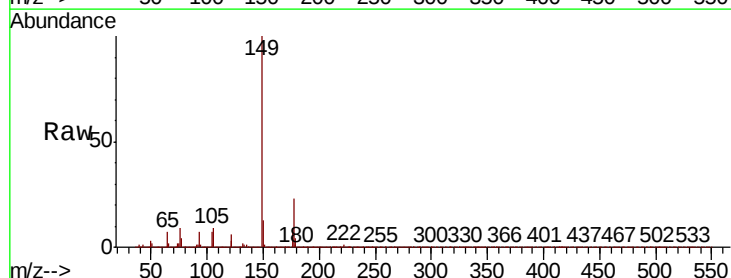
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 50.688 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	1257778		
177	23.2		19.0	28.6
150	12.8		10.8	16.2

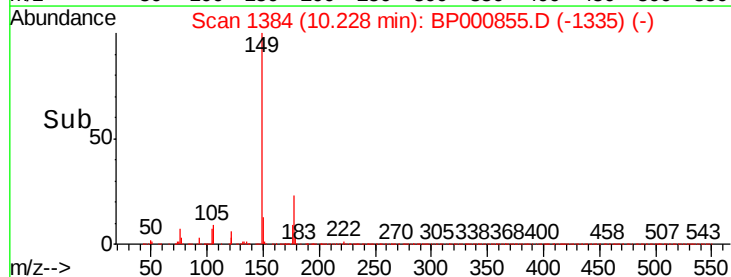
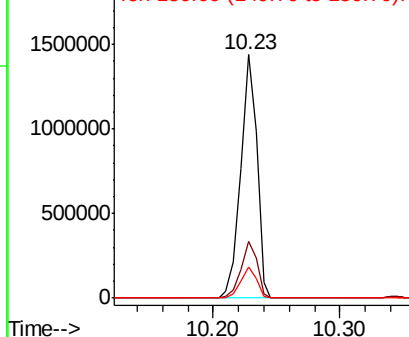


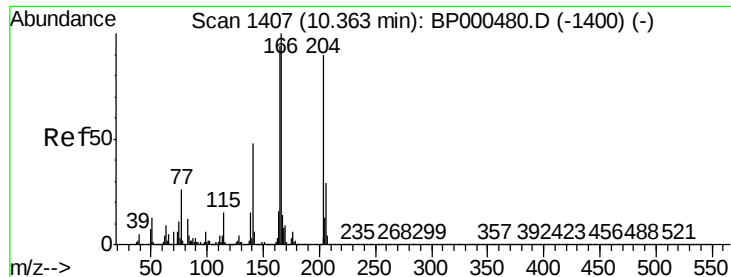
Abundance

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: 54.492 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.02 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampled :

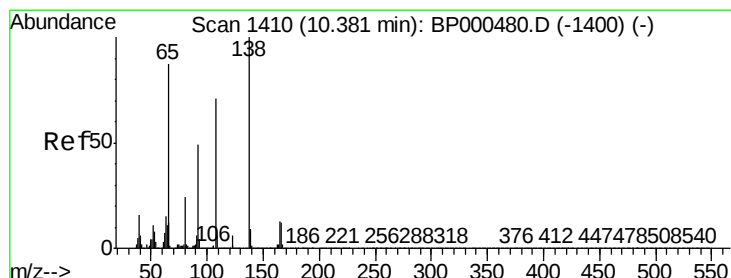
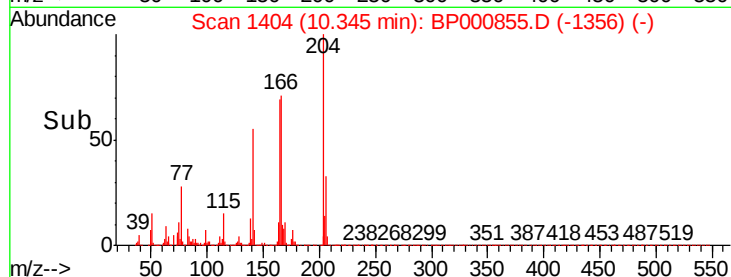
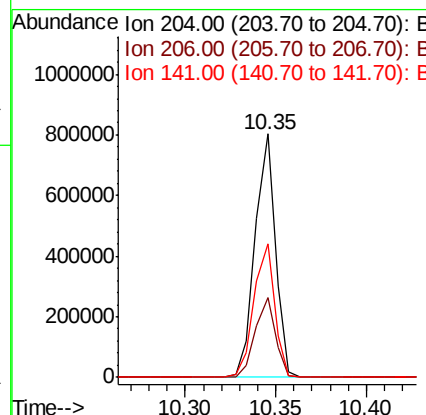
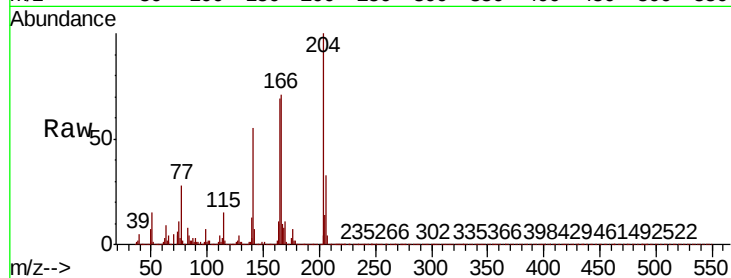
72-11933MSD

Tot Ion:	204	Resp:	627359
Ion Ratio	Lower	Upper	
204	100		
206	32.9	25.8	38.8
141	55.0	42.8	64.2

Manual Integrations
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#62

4-Nitroaniline

Concen: 49.673 ng

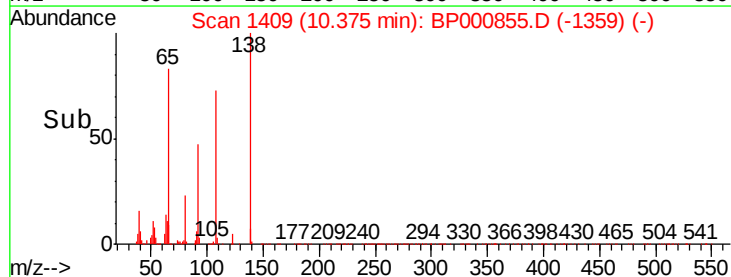
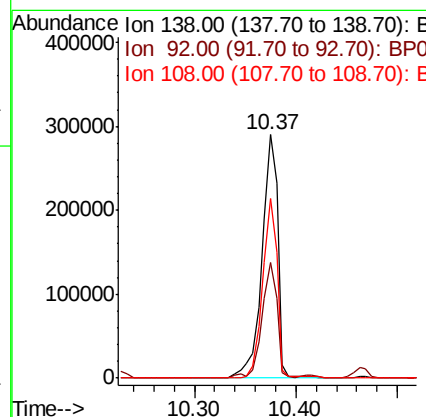
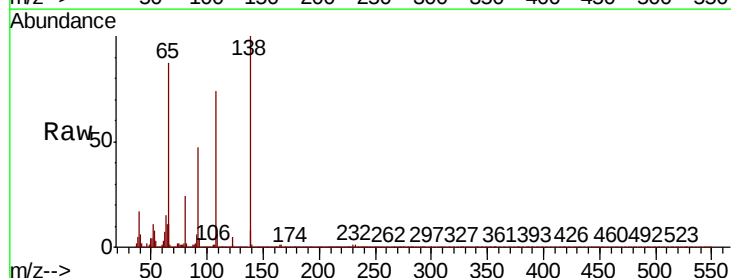
RT: 10.37 min Scan# 1409

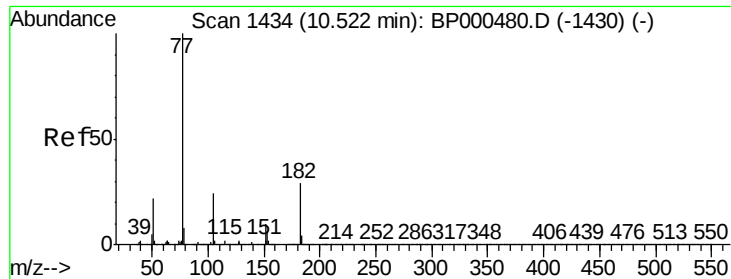
Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Tgt Ion:	138	Resp:	312043
Ion Ratio	Lower	Upper	
138	100		
92	47.4	28.7	68.7
108	74.0	50.6	90.6





#63
Azobenzene
Concen: 52.463 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

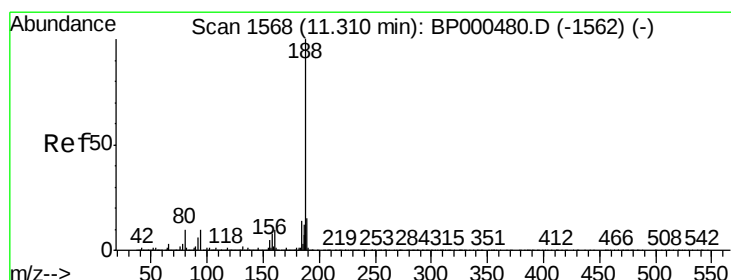
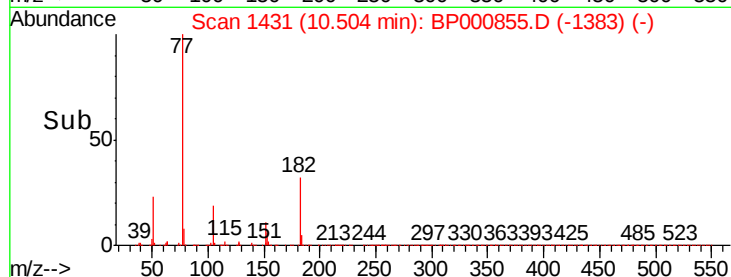
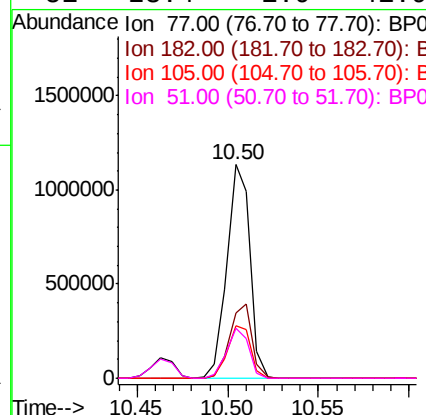
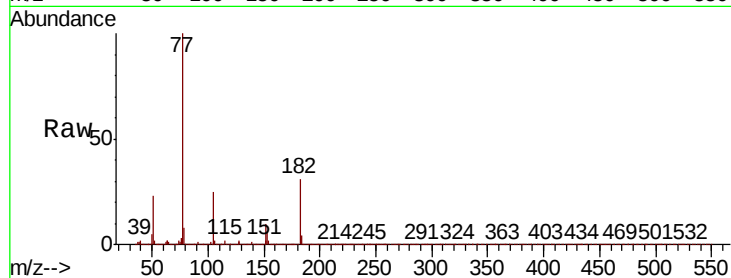
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		999493		
182	30.7	9.0	49.0		
105	24.7	3.8	43.8		
51	23.4	1.9	41.9		

Manual Integrations
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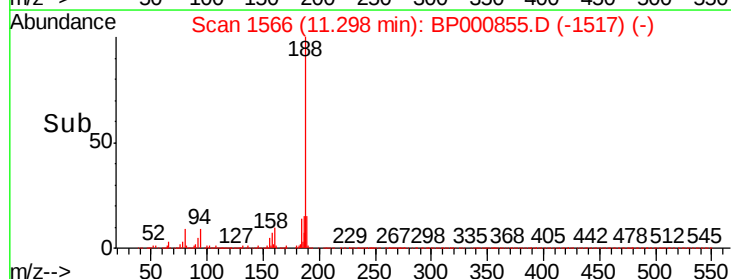
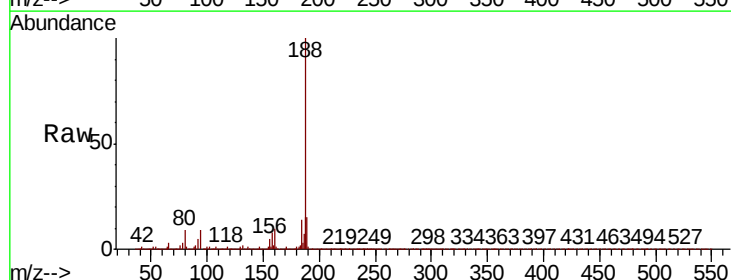
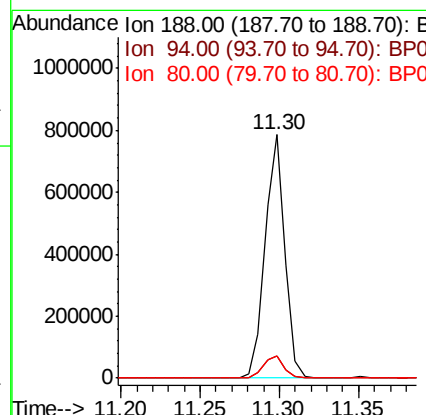
mohammad

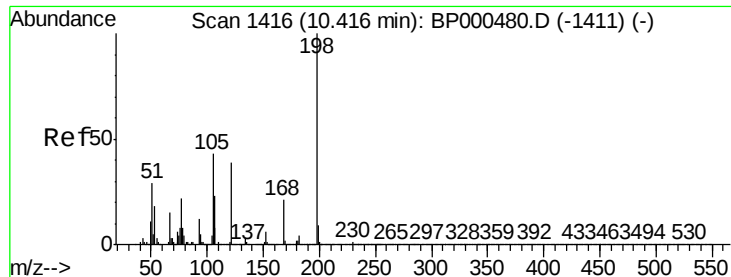
10/20/2019 8:16:25 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		681401		
94	8.9	8.2	12.2		
80	9.0	8.3	12.5		





#65

4,6-Dinitro-2-methylphenol

Concen: 57.398 ng

RT: 10.42 min Scan# 1416

Delta R.T. -0.00 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampleId :

72-11933MSD

Tot Ion:198 Resp: 173376

Ion Ratio Lower Upper

198 100

51 23.1 12.8 52.8

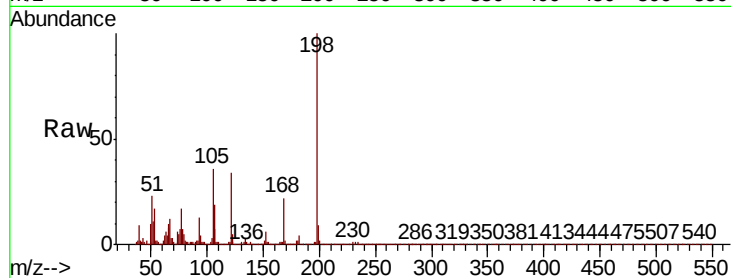
105 35.5 24.0 64.0

Manual Integrations

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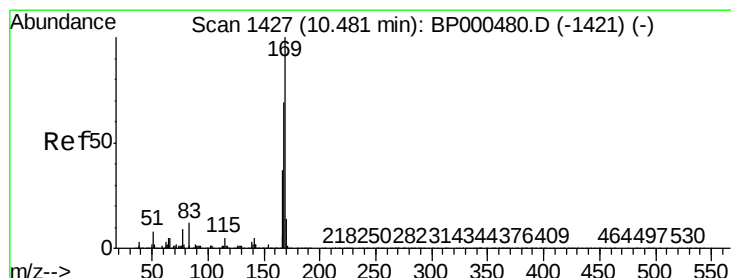
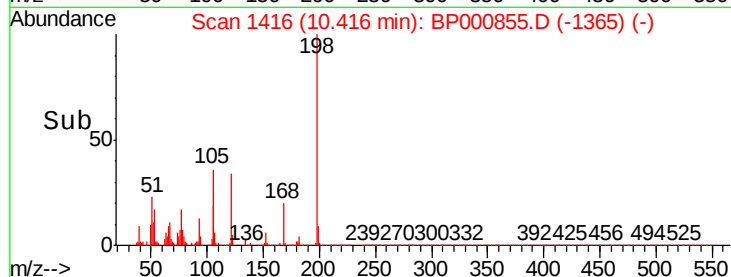
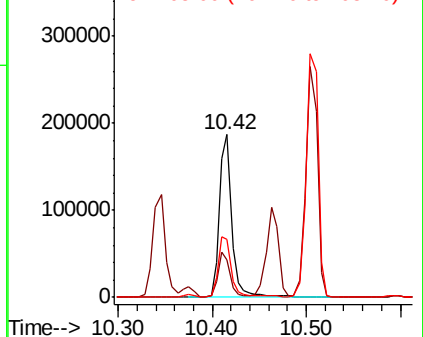
10/20/2019 8:16:25 PM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 54.808 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

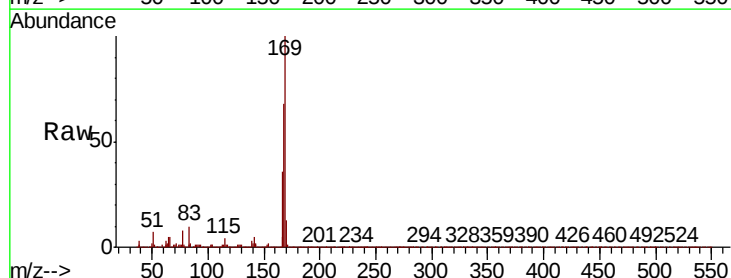
Tgt Ion:169 Resp: 1087717

Ion Ratio Lower Upper

169 100

168 67.7 55.4 83.2

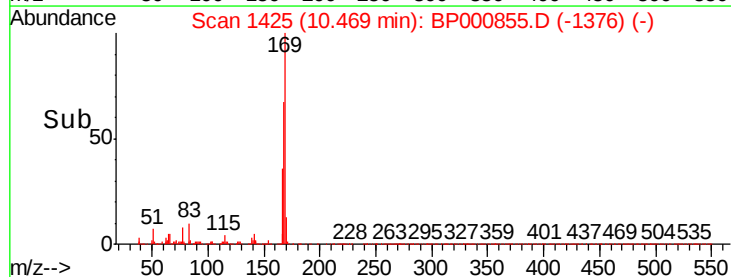
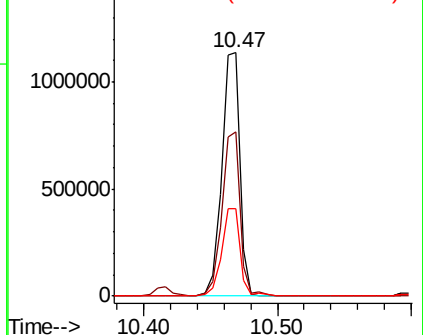
167 36.0 29.4 44.2

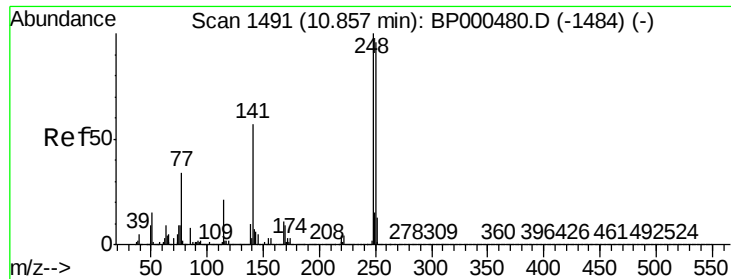


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67
4-Bromophenyl-phenylether
Concen: 53.230 ng
RT: 10.84 min Scan# 1488
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

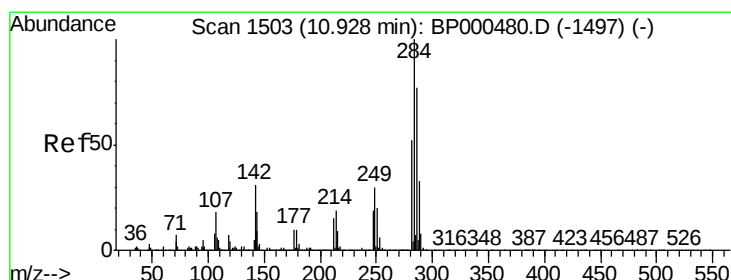
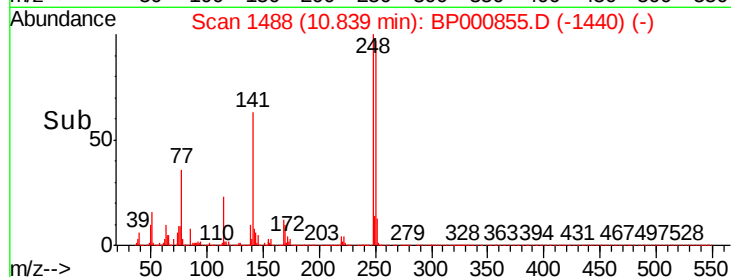
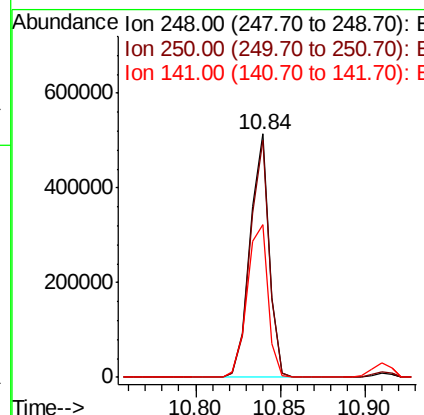
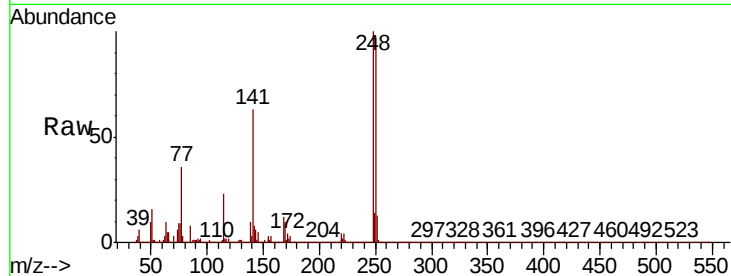
Instrument :
BNA_P
ClientSampled :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.2	115.8
141	62.7	45.3	67.9

Manual Integrations
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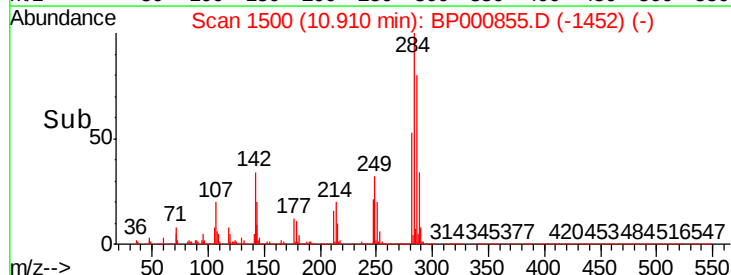
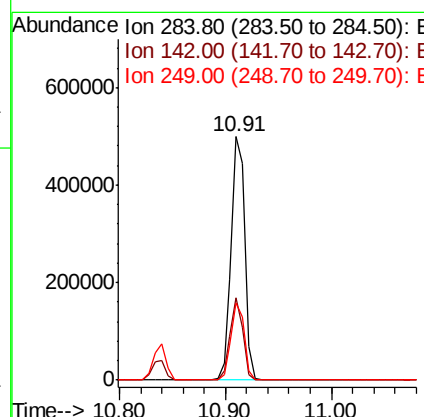
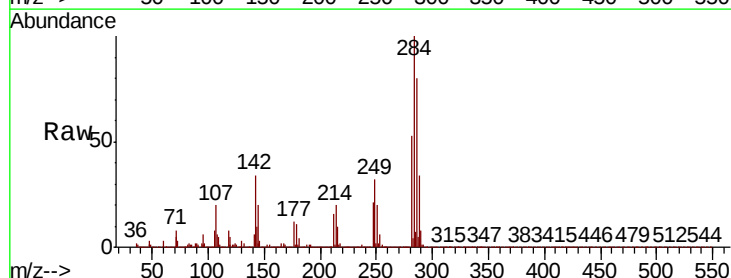
mohammad

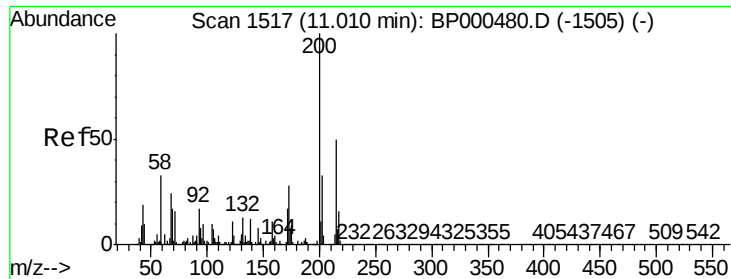
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#68
Hexachlorobenzene
Concen: 51.145 ng
RT: 10.91 min Scan# 1500
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.9	24.6	37.0
249	31.8	24.1	36.1





#69
Atrazine
Concen: 53.758 ng
RT: 11.00 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

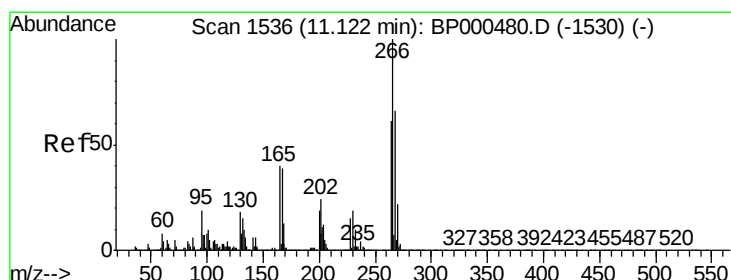
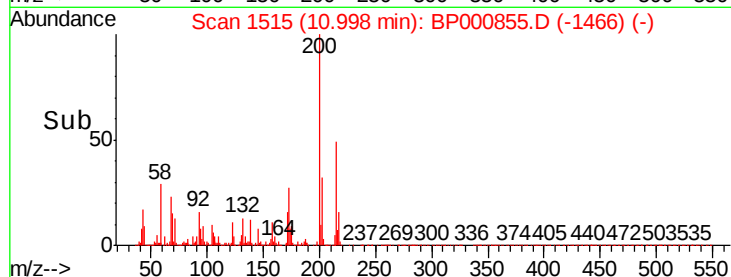
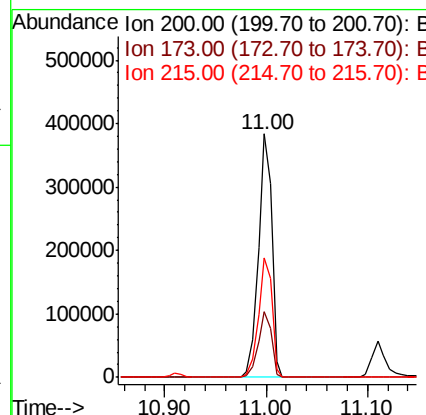
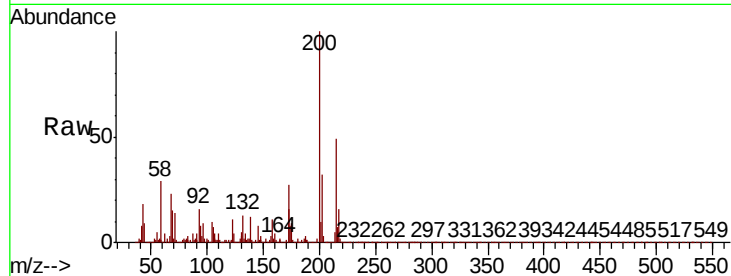
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100			
173	26.9	7.6	47.6	
215	48.9	29.5	69.5	

Manual Integrations
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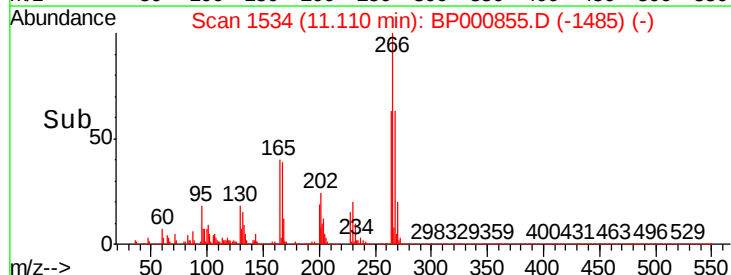
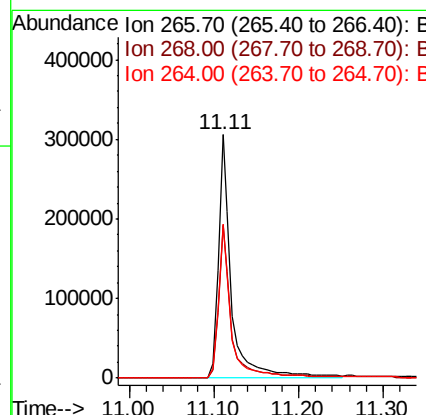
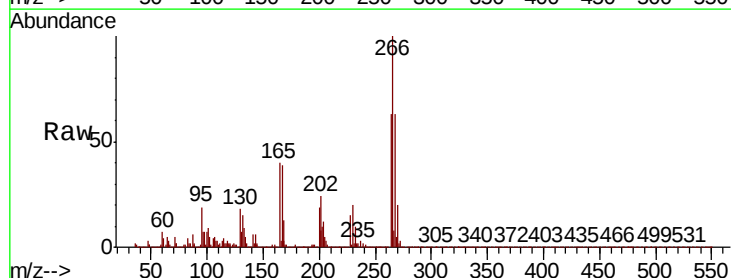
mohammad

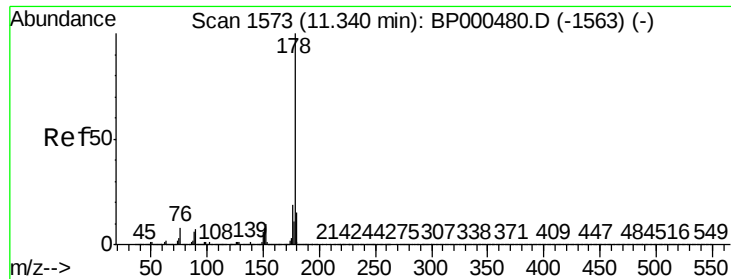
10/20/2019 8:16:25 PM



#70
Pentachlorophenol
Concen: 96.282 ng
RT: 11.11 min Scan# 1534
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	62.9	53.2	79.8	
264	63.1	49.0	73.4	





#71
Phenanthrene
Concen: 53.081 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

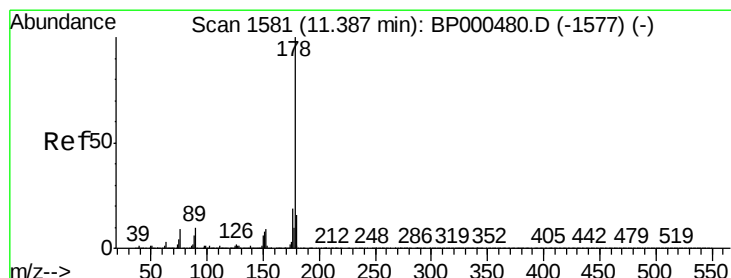
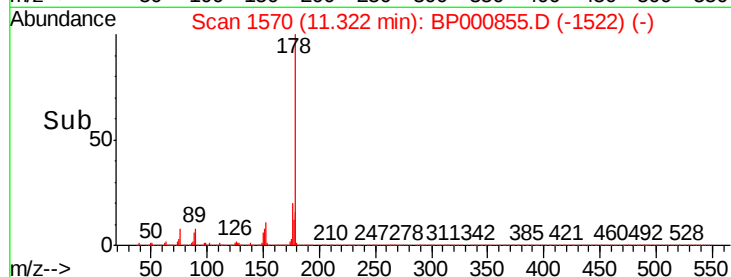
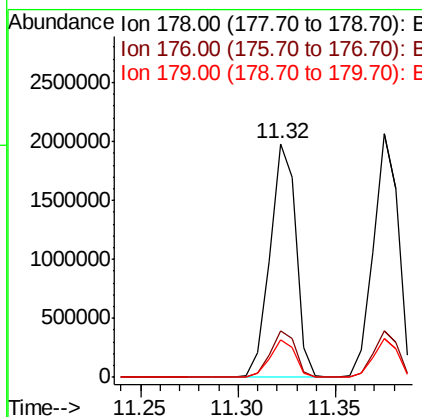
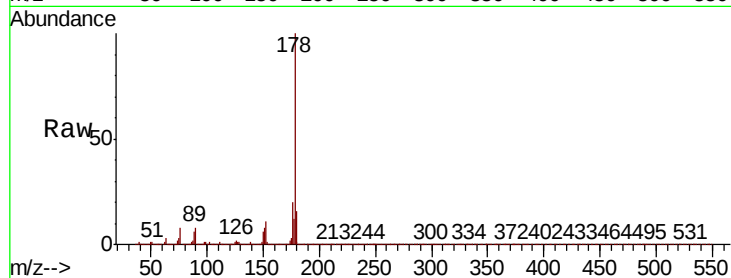
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.2
179	15.9	12.2	18.4

Manual Integrations
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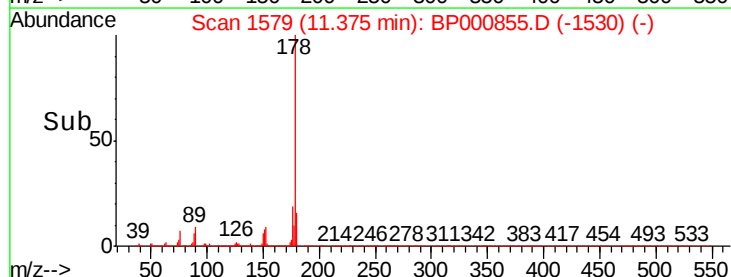
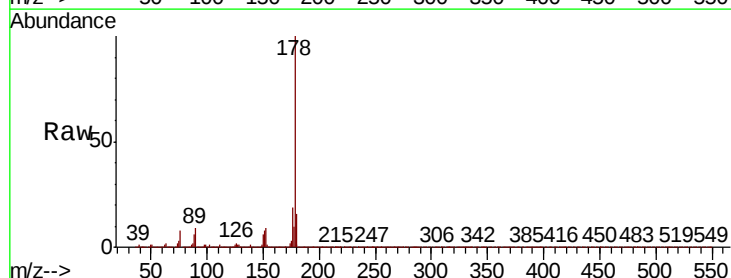
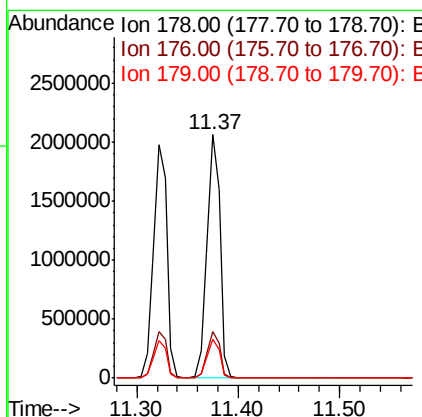
mohammad

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#72
Anthracene
Concen: 53.966 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.7	12.6	19.0





#73
 Carbazole
 Concen: 52.844 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. -0.01 min
 Lab File: BP000855.D
 Acq: 17 Oct 2019 23:27

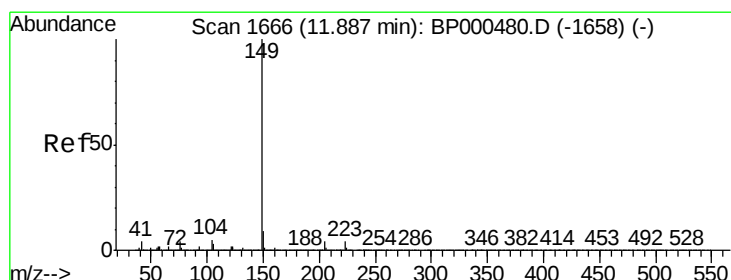
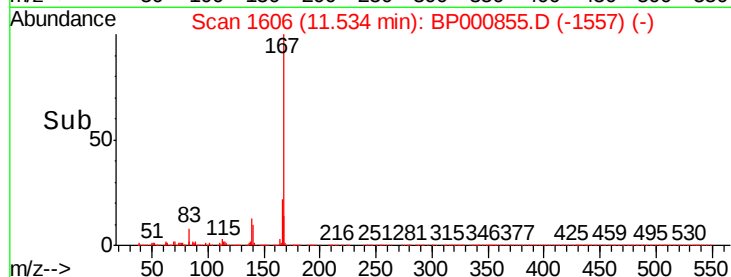
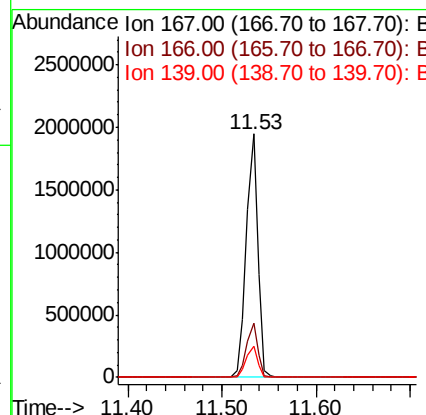
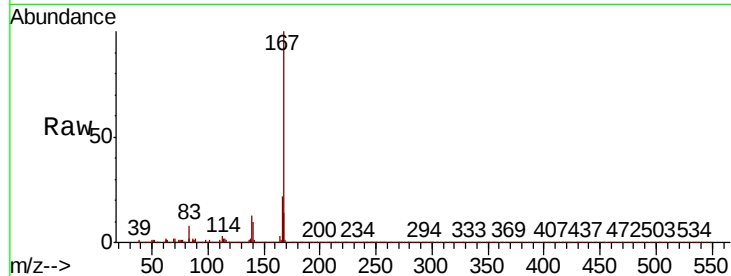
Instrument :
 BNA_P
 ClientSampleId :
 72-11933MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	16.9	25.3
139	12.9	9.7	14.5

Manual Integrations
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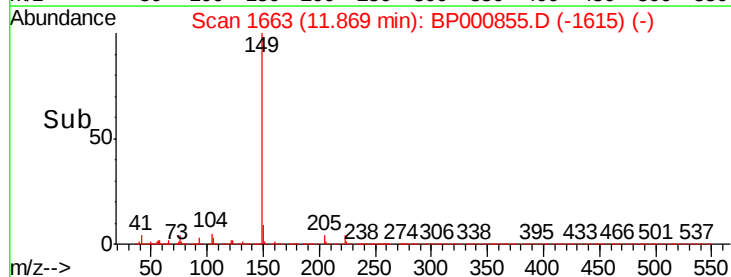
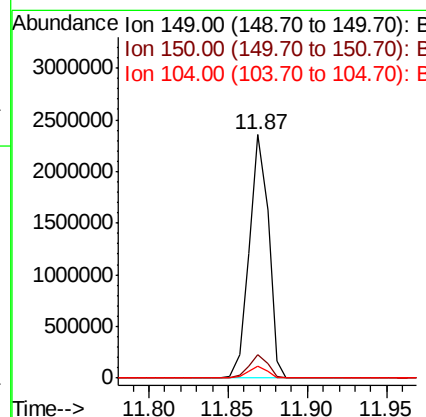
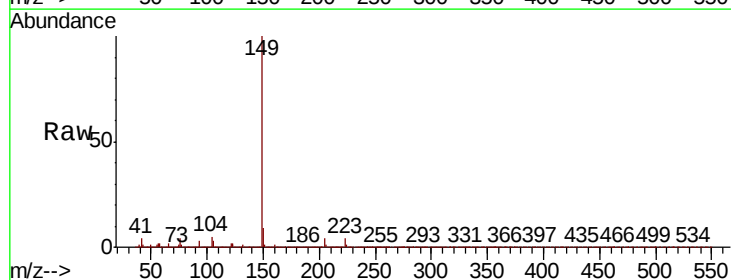
mohammad

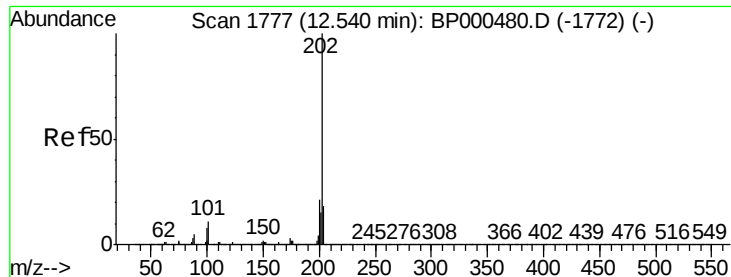
10/20/2019 8:16:25 PM



#74
 Di-n-butylphthalate
 Concen: 51.765 ng
 RT: 11.87 min Scan# 1663
 Delta R.T. -0.02 min
 Lab File: BP000855.D
 Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.8	3.7	5.5





#75

Fluoranthene

Concen: 52.507 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampleId :

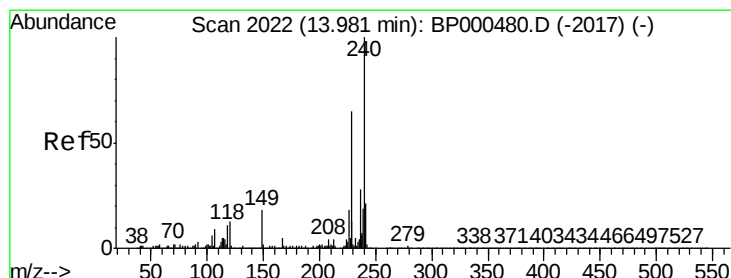
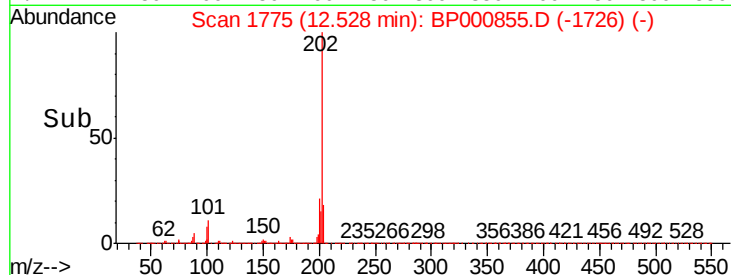
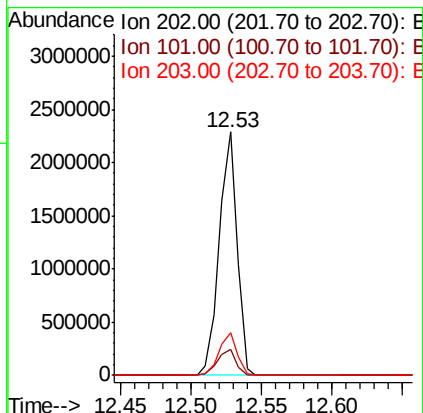
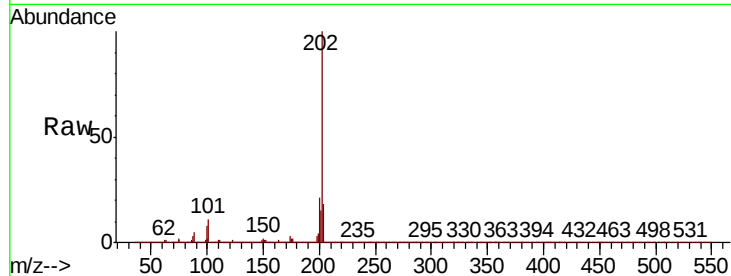
72-11933MSD

Tot Ion:	202	Resp:	2018083
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	31.3
203	17.7	0.0	38.1

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

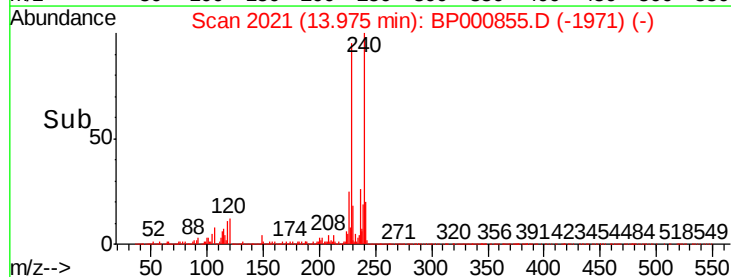
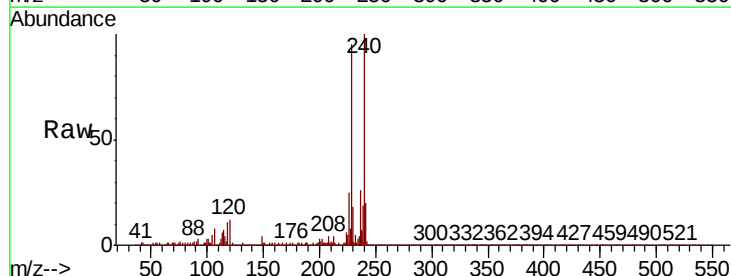
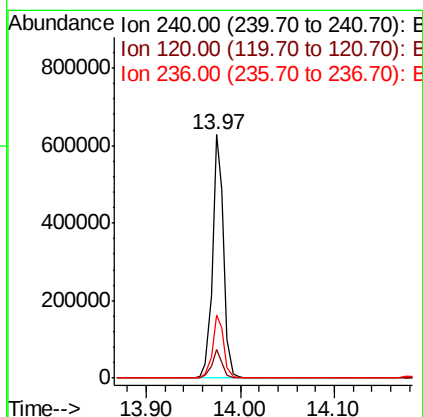
RT: 13.97 min Scan# 2021

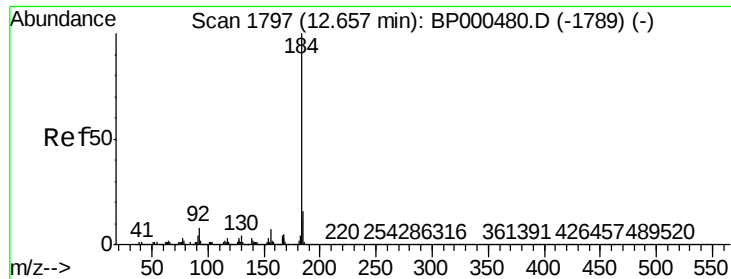
Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Tgt Ion:	240	Resp:	529603
Ion Ratio	Lower	Upper	
240	100		
120	11.7	10.1	15.1
236	26.1	22.7	34.1





#77

Benzidine

Concen: 66.159 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampleId :

72-11933MSD

Tot Ion:184 Resp: 1014613

Ion Ratio Lower Upper

184 100

185 14.5 12.7 19.1

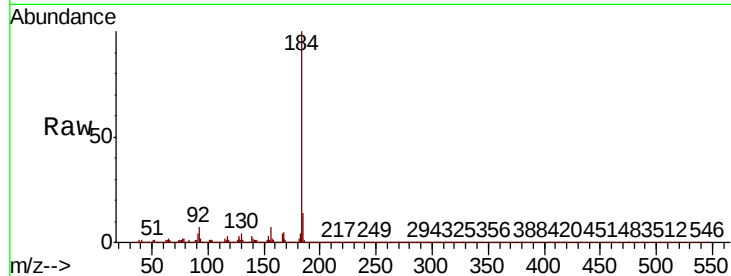
183 12.0 9.7 14.5

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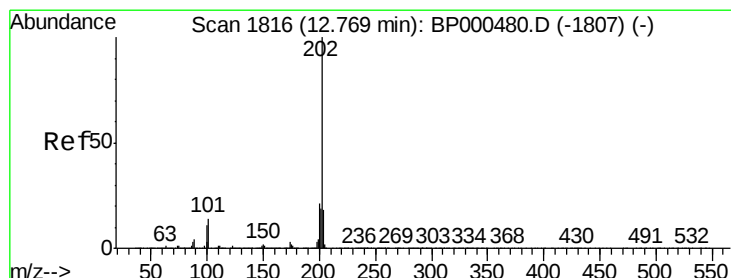
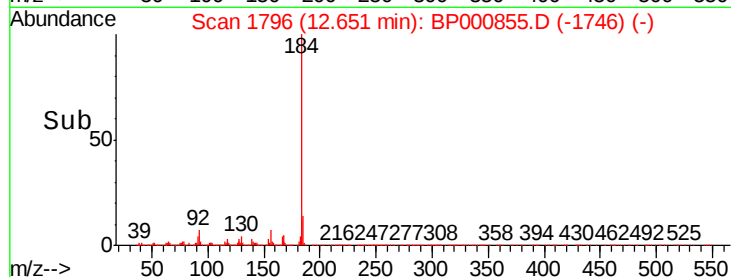
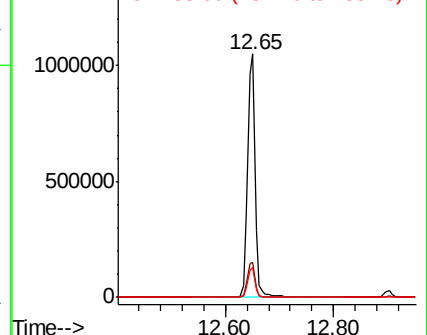
10/20/2019 8:16:25 PM



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: 55.565 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

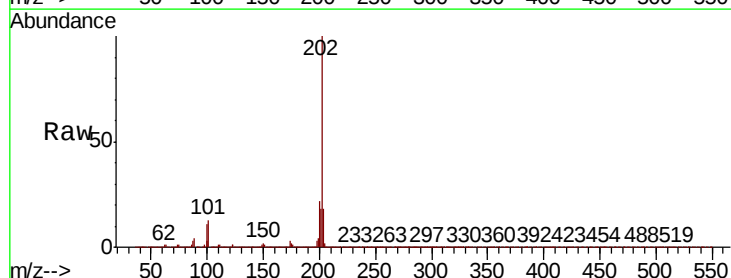
Tgt Ion:202 Resp: 2029596

Ion Ratio Lower Upper

202 100

200 21.9 17.1 25.7

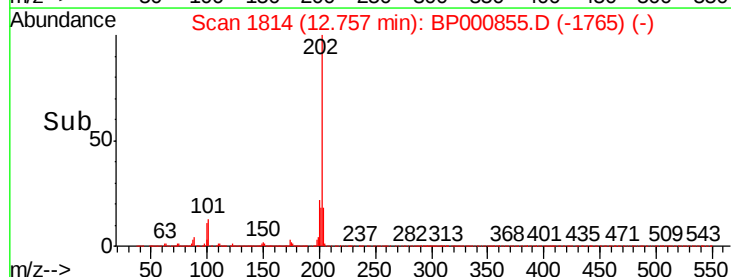
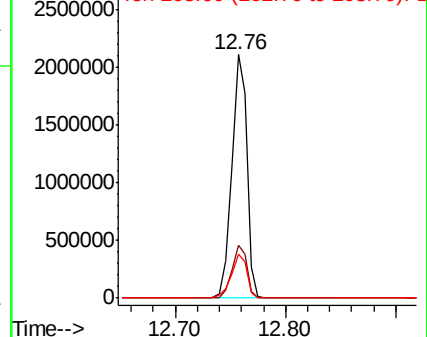
203 17.9 14.6 21.8

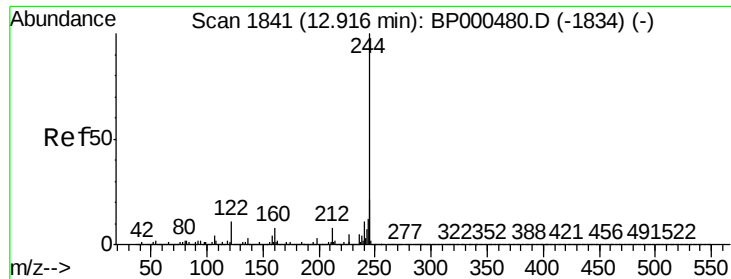


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.309 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampleId :

72-11933MSD

Tot Ion:244 Resp: 2126784

Ion Ratio Lower Upper

244 100

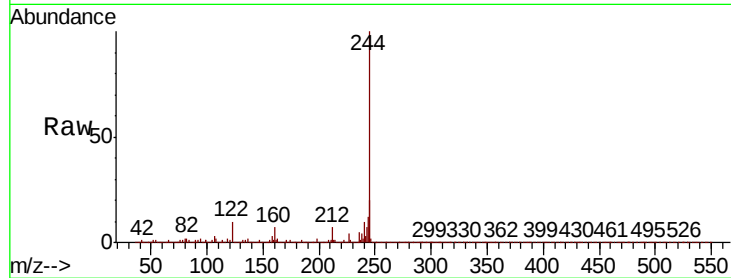
212 7.2 6.0 9.0

122 9.6 8.9 13.3

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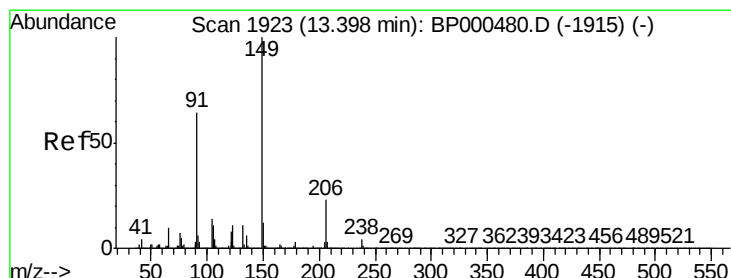
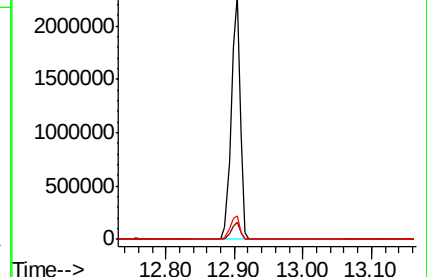
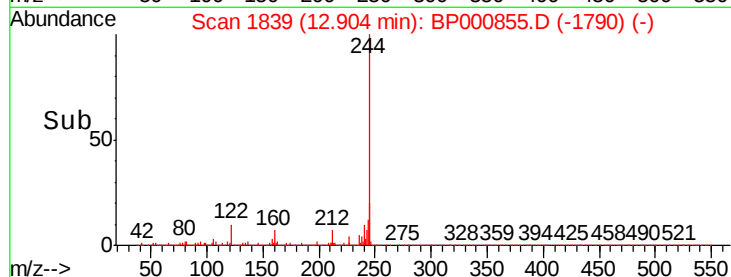
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 54.068 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

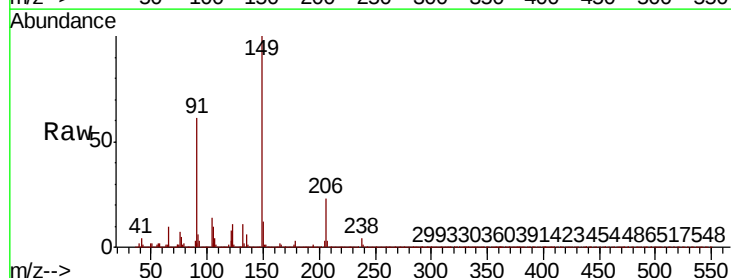
Tgt Ion:149 Resp: 860583

Ion Ratio Lower Upper

149 100

91 61.2 51.0 76.4

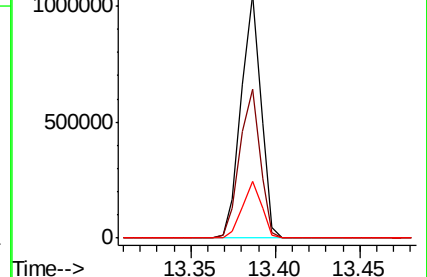
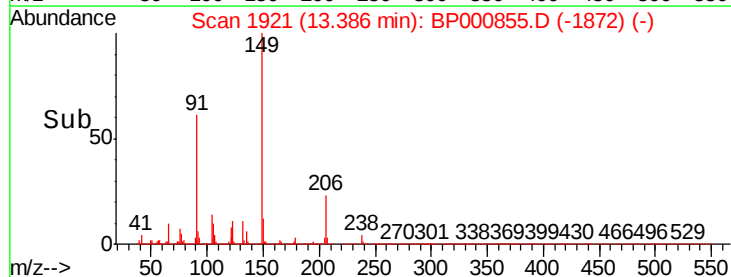
206 23.3 18.2 27.4

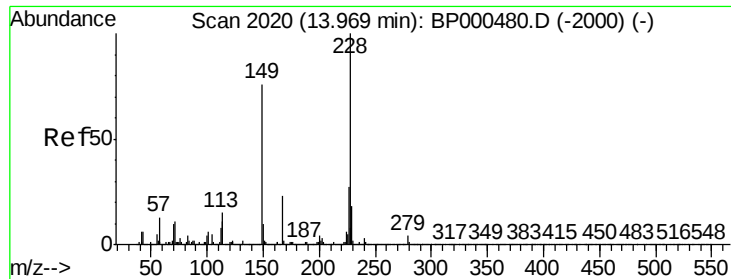


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 52.587 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampleId :

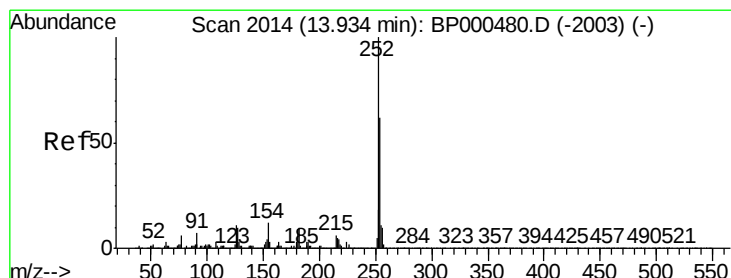
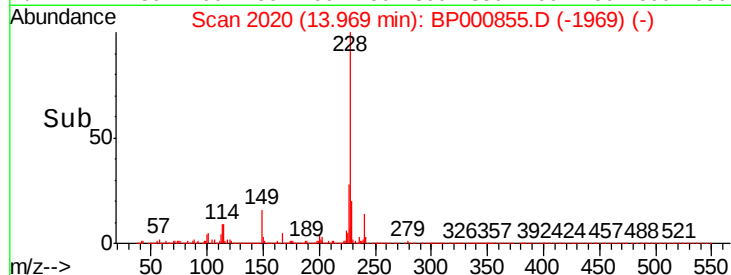
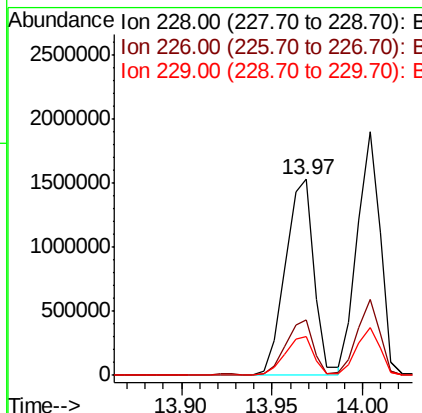
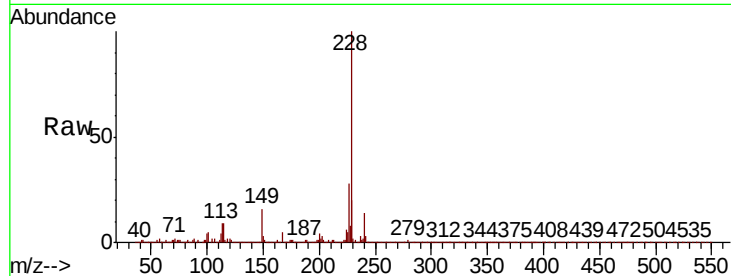
72-11933MSD

Tot Ion:	228	Resp:	1699253
Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.4	32.2
229	19.9	14.7	22.1

Manual Integrations
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#82

3,3'-Dichlorobenzidine

Concen: 48.230 ng

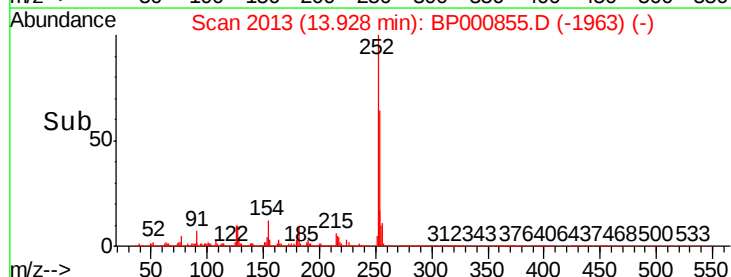
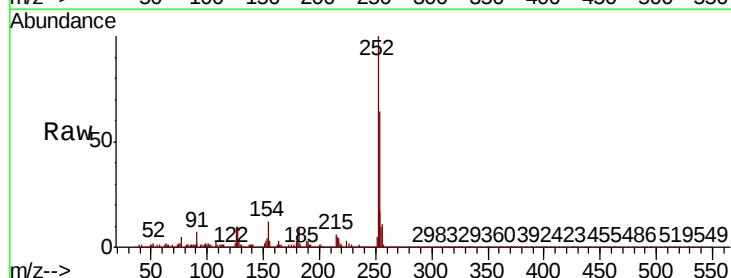
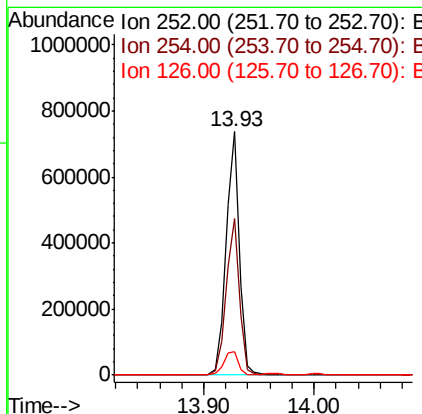
RT: 13.93 min Scan# 2013

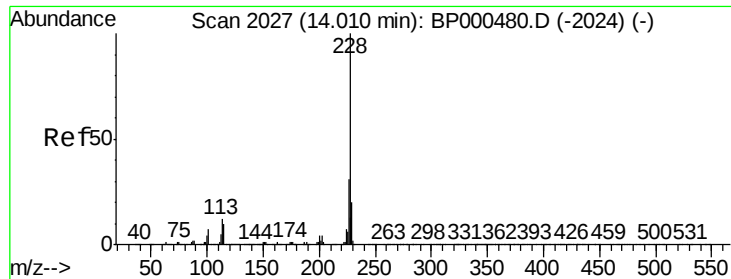
Delta R.T. -0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Tgt Ion:	252	Resp:	619039
Ion	Ratio	Lower	Upper
252	100		
254	64.4	49.8	74.8
126	9.9	8.9	13.3





#83
Chrysene
Concen: 52.952 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

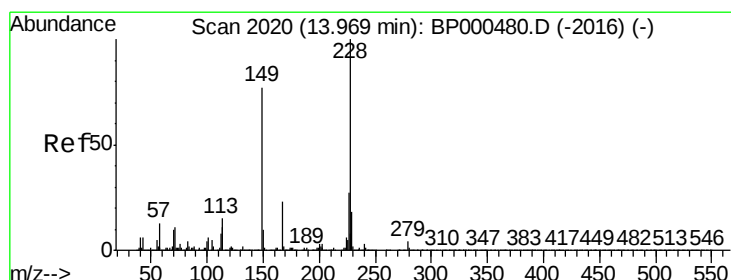
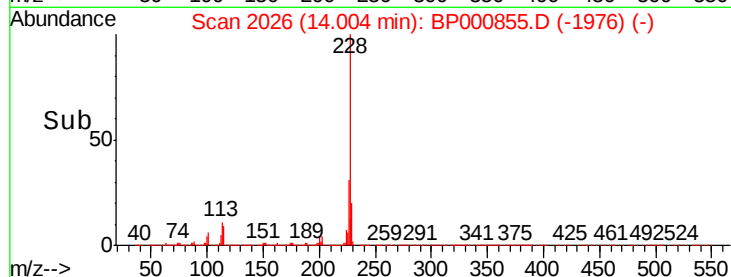
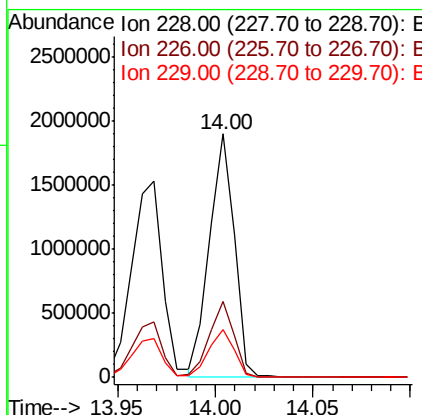
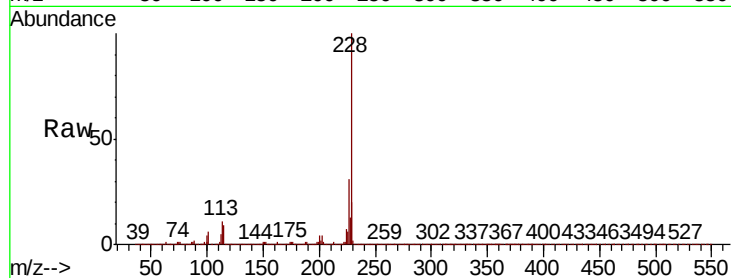
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	19.9	16.3	24.5

Manual Integrations
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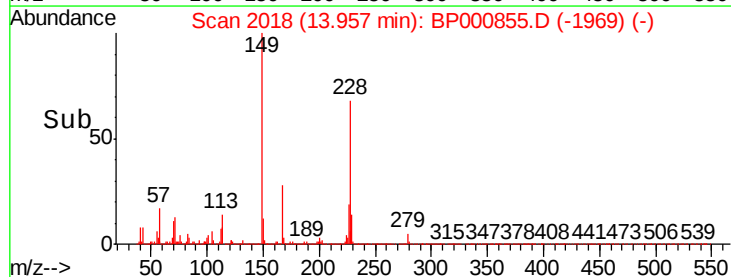
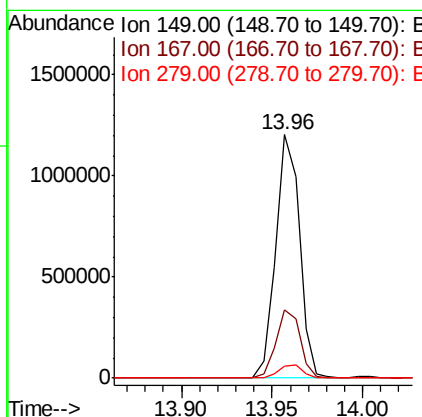
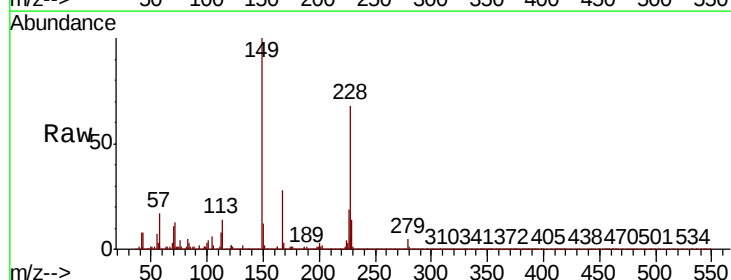
mohammad

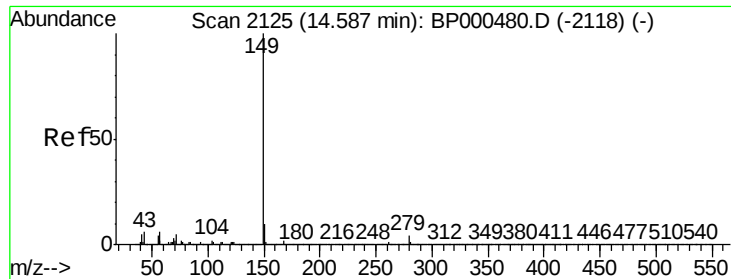
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#84
Bis(2-ethylhexyl)phthalate
Concen: 54.906 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	23.6	35.4
279	4.9	3.9	5.9





#85
Di-n-octyl phthalate
Concen: 55.715 ng
RT: 14.58 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

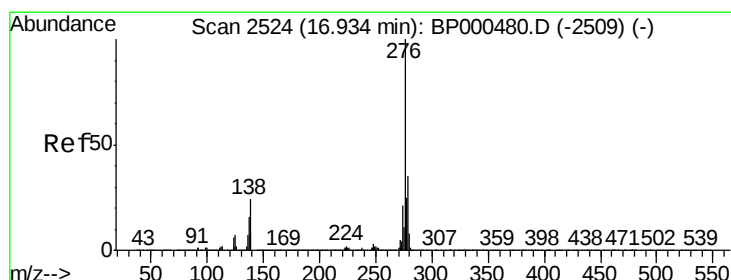
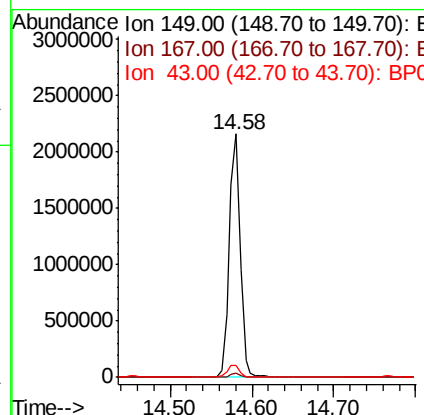
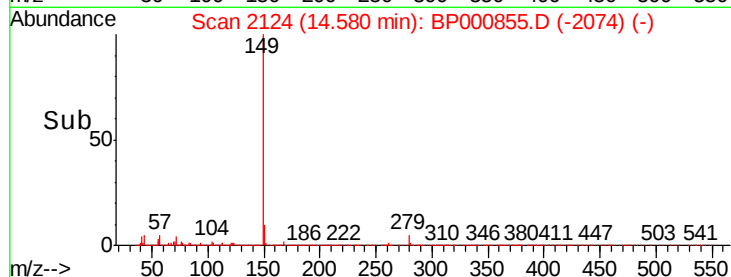
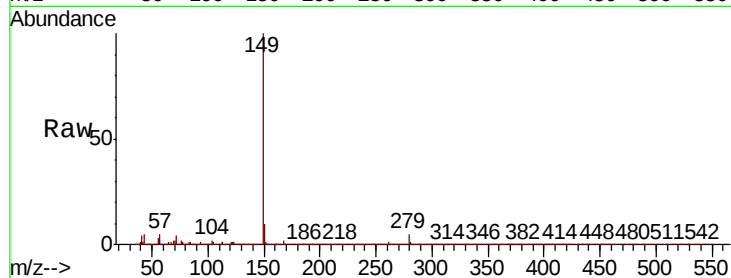
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	5.5	4.6	7.0

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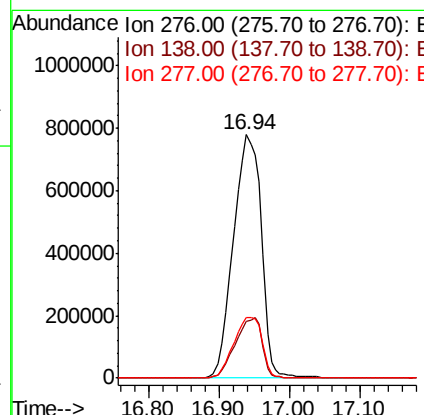
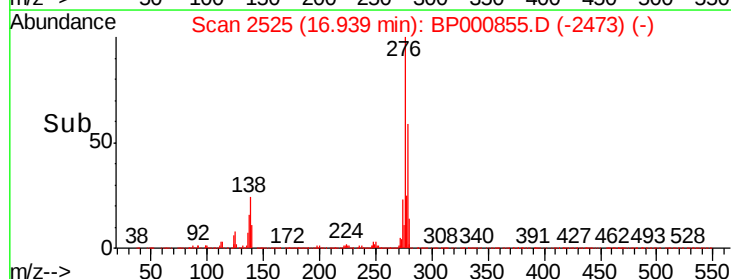
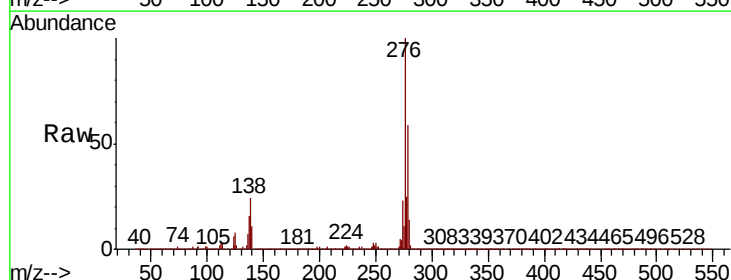
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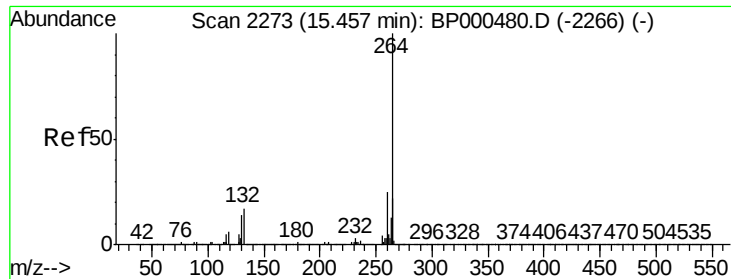
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#86
Indeno(1,2,3-cd)pyrene
Concen: 54.129 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	20.9	31.3
277	25.6	20.6	30.8





#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

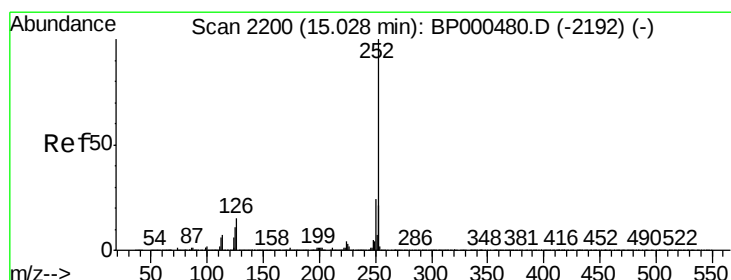
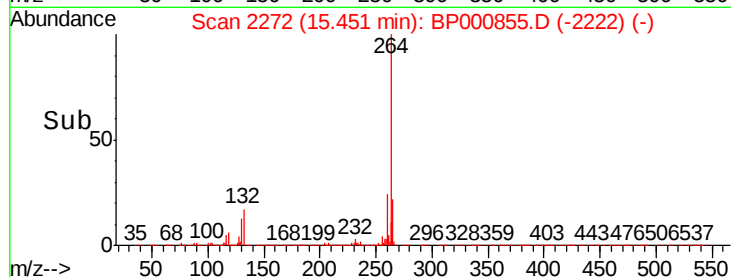
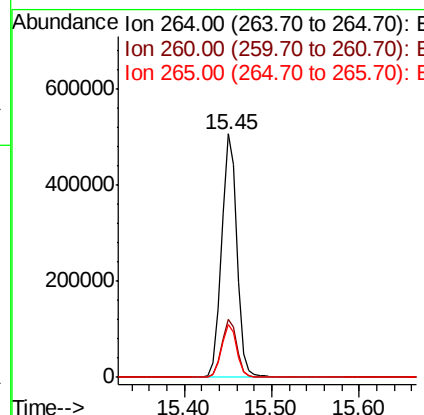
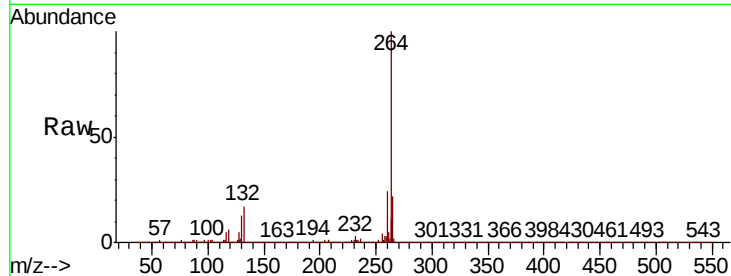
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	20.3	30.5
265	21.7	18.0	27.0

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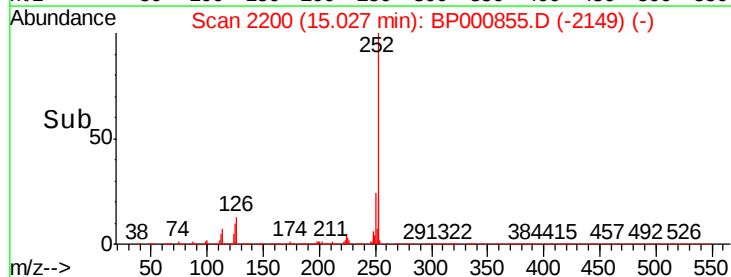
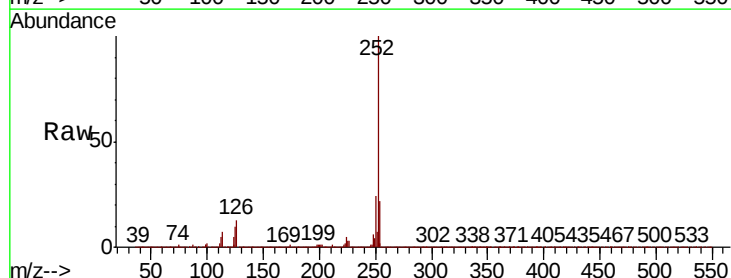
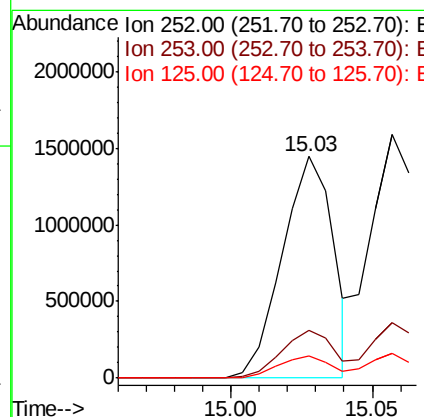
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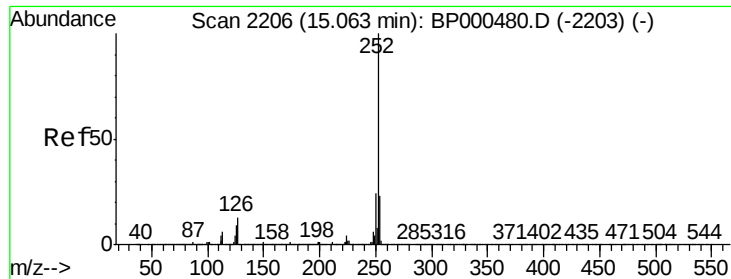
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#88
Benzo(b)fluoranthene
Concen: 51.703 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	9.9	8.9	13.3





#89
Benzo(k)fluoranthene
Concen: 52.786 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

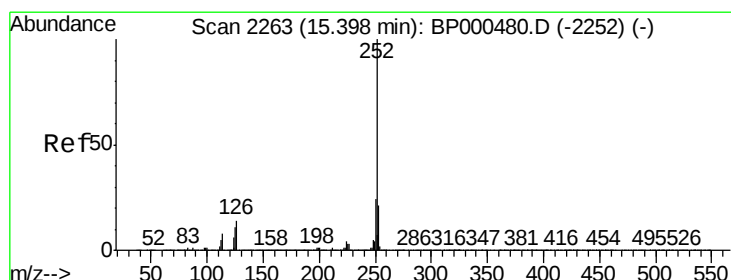
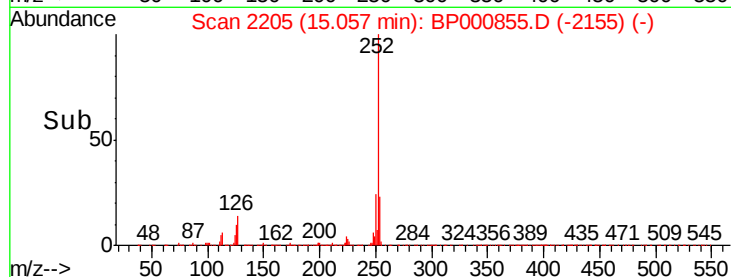
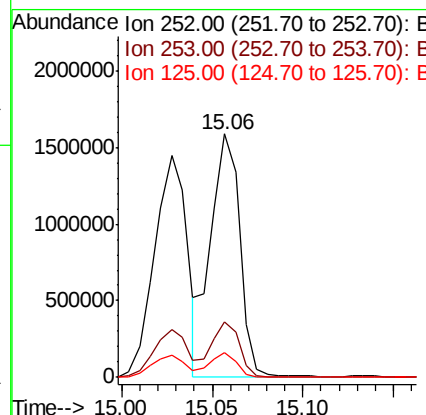
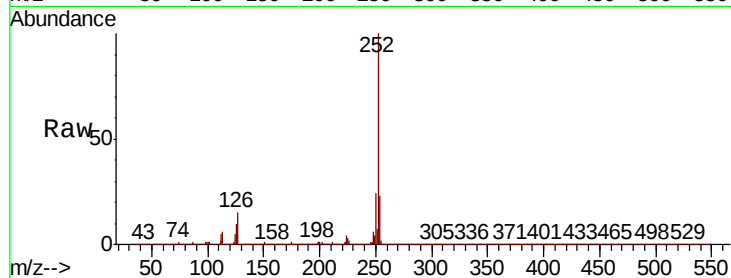
Instrument :
BNA_P
ClientSampleId :
72-11933MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	10.1	7.8	11.8

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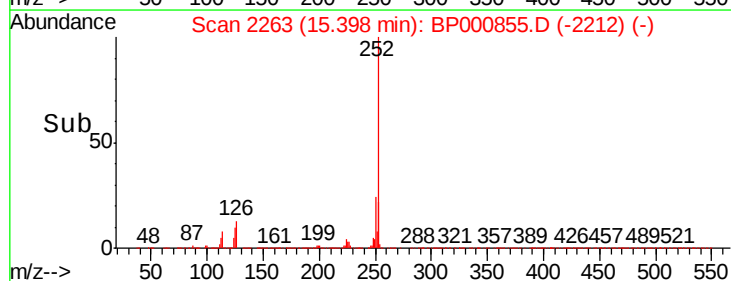
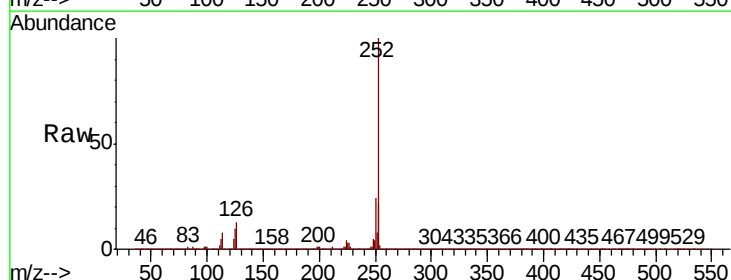
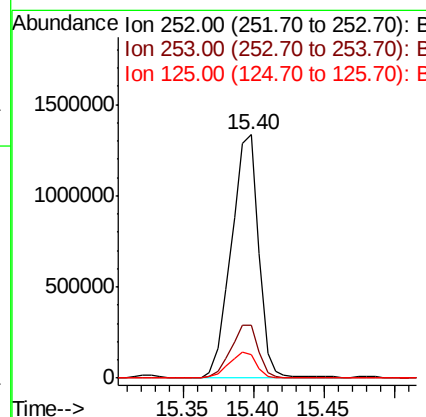
mohammad

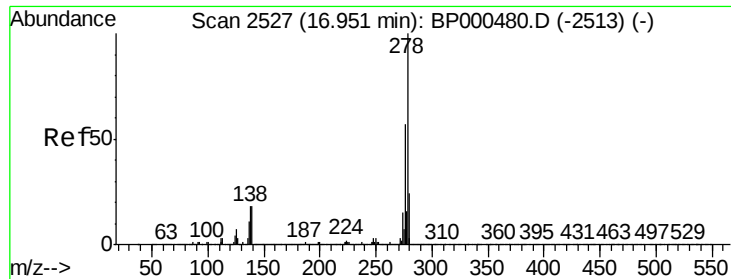
10/20/2019 8:16:25 PM



#90
Benzo(a)pyrene
Concen: 54.755 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BP000855.D
Acq: 17 Oct 2019 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	9.8	8.4	12.6





#91

Dibenzo(a,h)anthracene

Concen: 54.663 ng

RT: 16.96 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

Instrument :

BNA_P

ClientSampled :

72-11933MSD

Tot Ion:278 Resp: 1737884

Ion Ratio Lower Upper

278 100

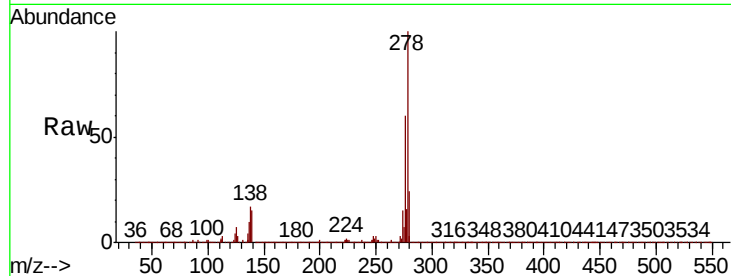
139 15.1 14.1 21.1

279 23.6 19.5 29.3

Manual Integrations
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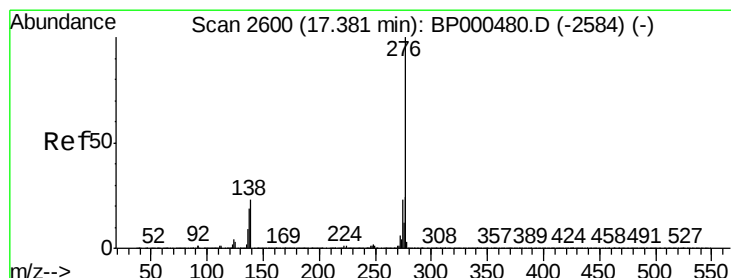
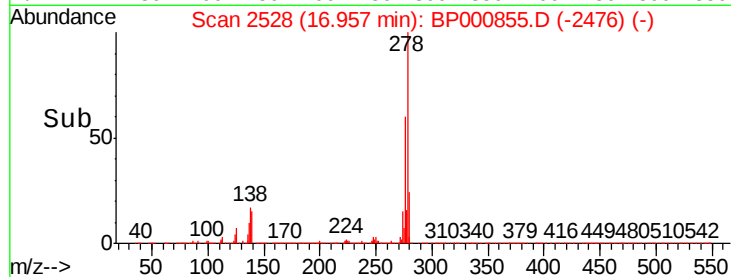
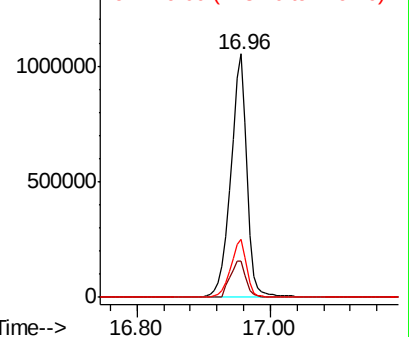
10/20/2019 8:16:25 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 56.378 ng

RT: 17.39 min Scan# 2601

Delta R.T. 0.01 min

Lab File: BP000855.D

Acq: 17 Oct 2019 23:27

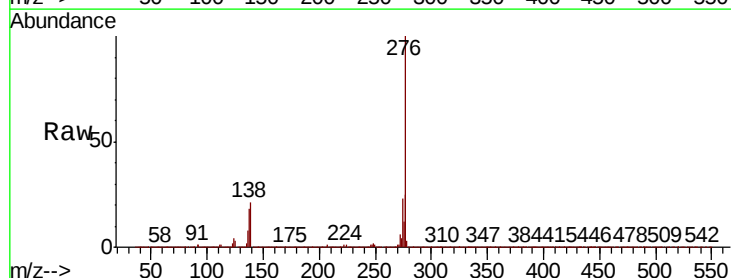
Tgt Ion:276 Resp: 1821325

Ion Ratio Lower Upper

276 100

277 24.6 19.4 29.2

138 21.0 18.5 27.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

