

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031220\
 Data File : BF119380.D
 Acq On : 12 Mar 2020 14:20
 Operator : CG/JU
 Sample : L1755-04MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-031020MSD

Manual Integrations
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 3/16/2020 1:47:21 PM

Quant Time: Mar 13 01:05:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	120055	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	453415	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	255455	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	464916	20.00	ng	0.00
76) Chrysene-d12	13.90	240	317260	20.00	ng	0.01
87) Perylene-d12	15.33	264	274084	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	860433	119.77	ng	0.02
7) Phenol-d6	6.39	99	958200	109.67	ng	0.00
23) Nitrobenzene-d5	7.29	82	742522	86.47	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	400543	119.86	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1428256	82.37	ng	0.00
79) Terphenyl-d14	12.83	244	1789380	97.10	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	112777	35.259	ng	# 87
3) Pyridine	3.35	79	165651m	18.964	ng	
4) n-Nitrosodimethylamine	3.22	42	119170	45.035	ng	92
6) Aniline	6.40	93	96175	8.921	ng	# 7
8) 2-Chlorophenol	6.52	128	356741	46.015	ng	100
9) Benzaldehyde	6.29	77	134283	23.004	ng	98
10) Phenol	6.40	94	391111	41.404	ng	81
11) bis(2-Chloroethyl)ether	6.46	93	343871	47.577	ng	98
12) 1,3-Dichlorobenzene	6.66	146	393527	42.350	ng	97
13) 1,4-Dichlorobenzene	6.74	146	403954	43.443	ng	99
14) 1,2-Dichlorobenzene	6.89	146	368364	43.438	ng	98
15) Benzyl Alcohol	6.89	79	303916	48.130	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.00	45	260806	41.656	ng	# 48
17) 2-Methylphenol	7.00	107	280272	44.590	ng	93
18) Hexachloroethane	7.23	117	143276	43.068	ng	98
19) n-Nitroso-di-n-propylamine	7.15	70	250502	49.205	ng	98
20) 3+4-Methylphenols	7.16	107	376651	48.911	ng	# 86
22) Acetophenone	7.14	105	495321	47.215	ng	# 95
24) Nitrobenzene	7.31	77	379777	44.721	ng	96
25) Isophorone	7.55	82	684229	45.879	ng	97
26) 2-Nitrophenol	7.63	139	201012	44.674	ng	97
27) 2,4-Dimethylphenol	7.68	122	308596	50.534	ng	98
28) bis(2-Chloroethoxy)methane	7.76	93	406802	41.907	ng	99
29) 2,4-Dichlorophenol	7.89	162	317428	44.155	ng	98
30) 1,2,4-Trichlorobenzene	7.95	180	344234	40.386	ng	97
31) Naphthalene	8.03	128	1042749	44.344	ng	98
32) Benzoic acid	7.86	122	171972	39.904	ng	98
33) 4-Chloroaniline	8.11	127	93742	9.269	ng	98
34) Hexachlorobutadiene	8.14	225	214252	40.354	ng	98
35) Caprolactam	8.47	113	71502m	32.301	ng	
36) 4-Chloro-3-methylphenol	8.59	107	339635	46.682	ng	99
37) 2-Methylnaphthalene	8.72	142	710310	44.886	ng	99
38) 1-Methylnaphthalene	8.82	142	681727	45.807	ng	97
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	356170	41.353	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.87	237	138428	48.364	nq	98
43) 2,4,6-Trichlorophenol	9.02	196	222050	40.826	nq	100
44) 2,4,5-Trichlorophenol	9.07	196	219003	38.372	nq	95
46) 1,1'-Biphenyl	9.18	154	871745	42.223	nq	98
47) 2-Chloronaphthalene	9.21	162	698485	41.982	nq	98
48) 2-Nitroaniline	9.32	65	205778	44.344	nq	98
49) Acenaphthylene	9.62	152	1039373	43.254	nq	99
50) Dimethylphthalate	9.49	163	860005	44.026	nq	100
51) 2,6-Dinitrotoluene	9.56	165	188215	43.368	nq #	72
52) Acenaphthene	9.79	154	626918	43.267	nq	99
53) 3-Nitroaniline	9.74	138	72933	15.159	nq	94
54) 2,4-Dinitrophenol	9.86	184	163587	77.784	nq	92
55) Dibenzofuran	9.97	168	939806	43.455	nq	100
56) 4-Nitrophenol	9.93	139	75404m	26.085	nq	
57) 2,4-Dinitrotoluene	9.97	165	242769	43.156	nq	98
58) Fluorene	10.31	166	764620	45.499	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.10	232	208515	43.297	nq	96
60) Diethylphthalate	10.19	149	810481	44.027	nq	99
61) 4-Chlorophenyl-phenylether	10.30	204	394280	44.324	nq	99
62) 4-Nitroaniline	10.36	138	157679	32.032	nq	92
63) Azobenzene	10.46	77	738500	46.153	nq	98
65) 4,6-Dinitro-2-methylphenol	10.39	198	132118	46.962	nq	98
66) n-Nitrosodiphenylamine	10.42	169	679785	44.655	nq	99
67) 4-Bromophenyl-phenylether	10.79	248	257233	42.329	nq	97
68) Hexachlorobenzene	10.87	284	293049	41.825	nq	98
69) Atrazine	10.96	200	200269	37.653	nq	97
70) Pentachlorophenol	11.07	266	196008	69.447	nq	97
71) Phenanthrene	11.27	178	1112985	43.897	nq	99
72) Anthracene	11.33	178	1173828	46.336	nq	99
73) Carbazole	11.49	167	1020200	45.204	nq	98
74) Di-n-butylphthalate	11.80	149	1238771	45.325	nq	99
75) Fluoranthene	12.47	202	1195914	44.437	nq	98
77) Benzidine	12.59	184	153448	11.893	nq	98
78) Pyrene	12.69	202	1179625	46.304	nq	99
80) Butylbenzylphthalate	13.30	149	482127	44.966	nq	99
81) Benzo(a)anthracene	13.89	228	973793	45.048	nq	99
82) 3,3'-Dichlorobenzidine	13.84	252	178167	21.226	nq	98
83) Chrysene	13.92	228	948880	44.053	nq	99
84) Bis(2-ethylhexyl)phthalate	13.86	149	632275	46.677	nq	99
85) Di-n-octyl phthalate	14.47	149	924075	42.816	nq	99
86) Indeno(1,2,3-cd)pyrene	16.76	276	809344	38.806	nq	100
88) Benzo(b)fluoranthene	14.92	252	781184	43.240	nq	100
89) Benzo(k)fluoranthene	14.95	252	823228	49.171	nq	99
90) Benzo(a)pyrene	15.27	252	705891	43.293	nq	99
91) Dibenzo(a,h)anthracene	16.75	278	668595	46.603	nq	99
92) Benzo(g,h,i)perylene	17.18	276	683667	48.230	nq	100

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

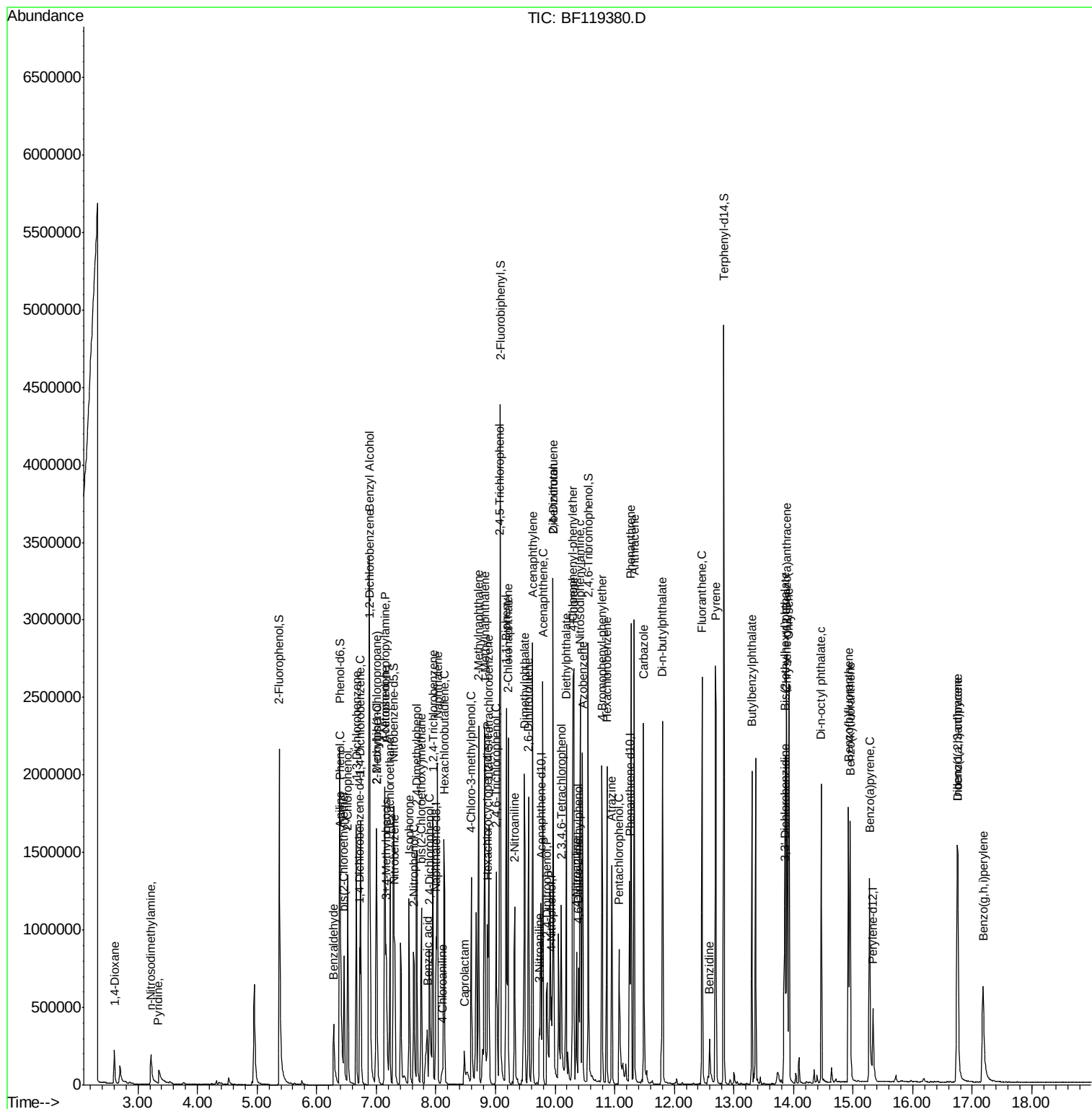
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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031220\  
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Misc      :  
ALS Vial  : 11      Sample Multiplier: 1
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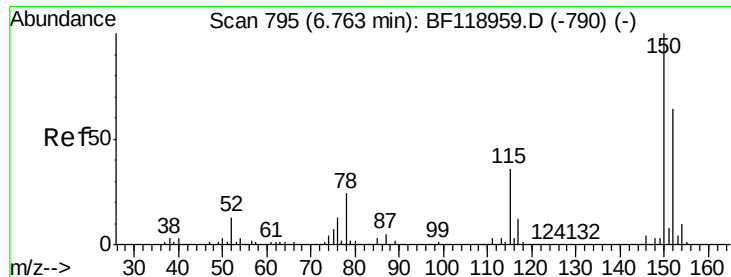
Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

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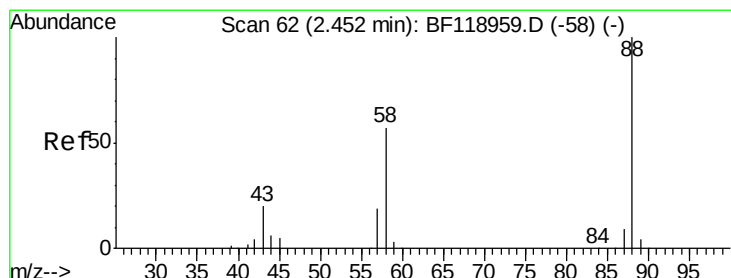
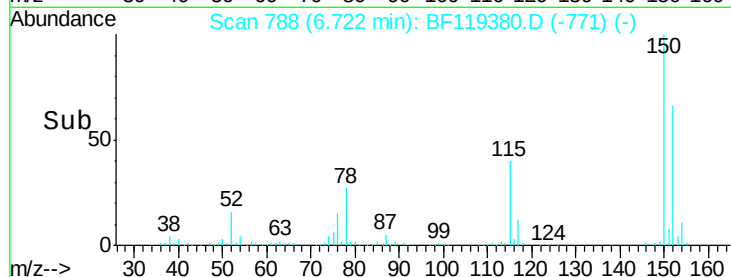
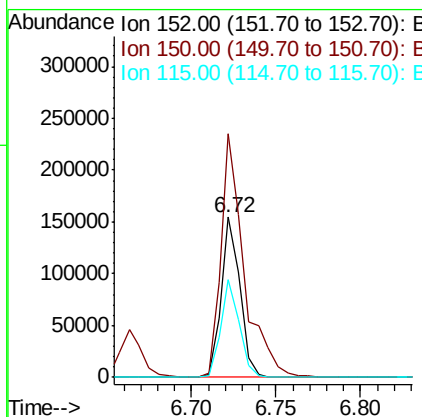
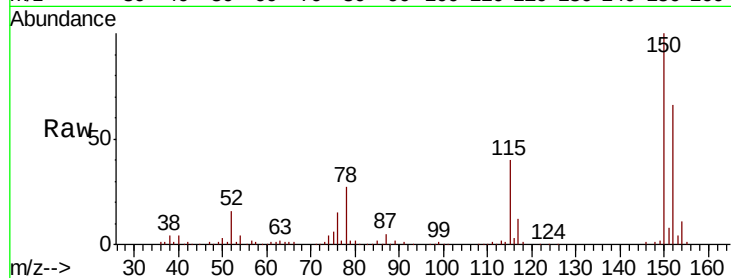
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	123.0	184.6
115	60.8	49.5	74.3

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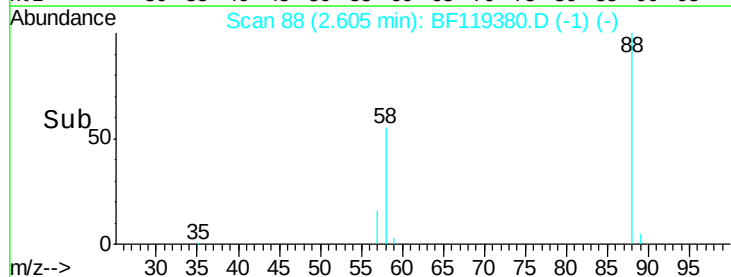
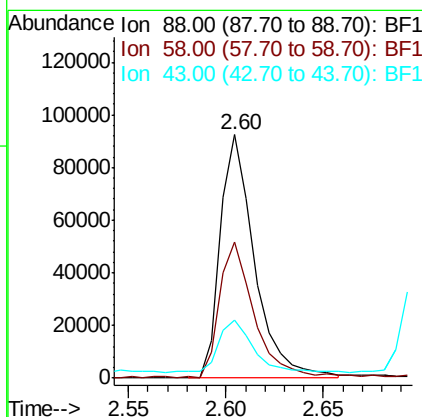
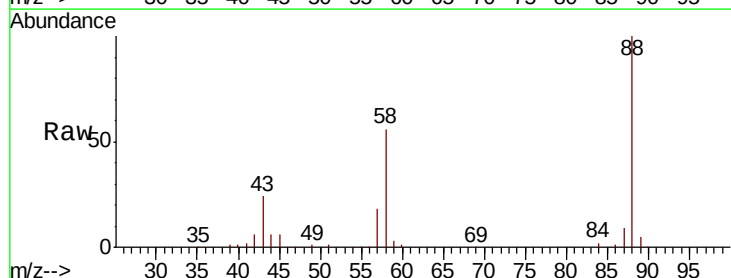
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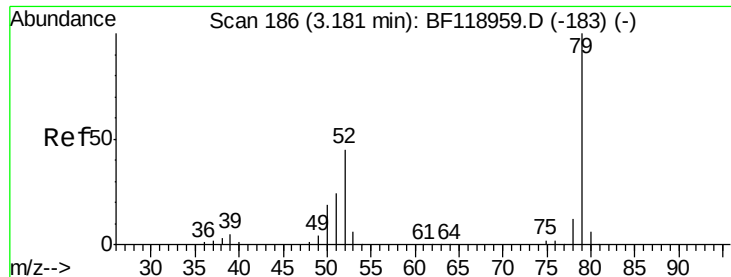


#2

1,4-Dioxane
Concen: 35.259 ng
RT: 2.60 min Scan# 88
Delta R.T. 0.22 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
88	100		
58	55.4	43.8	65.6
43	0.0	16.2	24.4





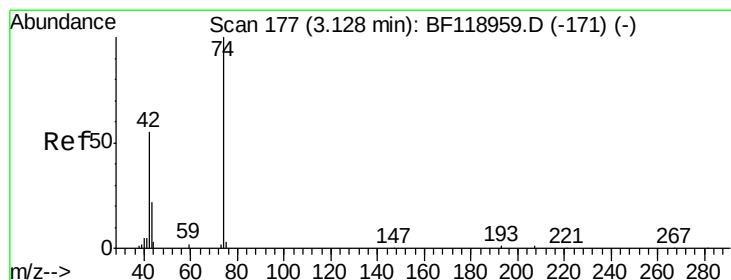
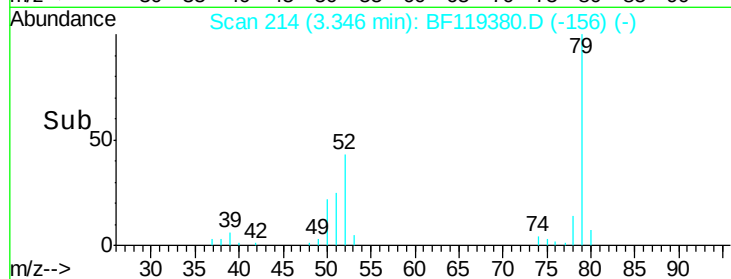
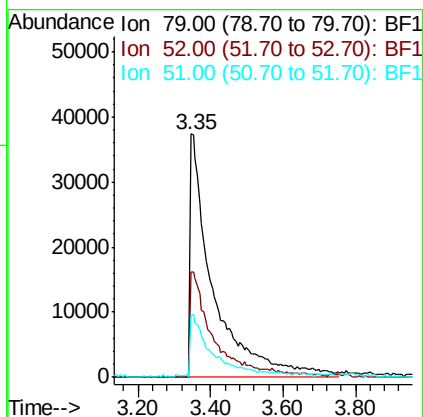
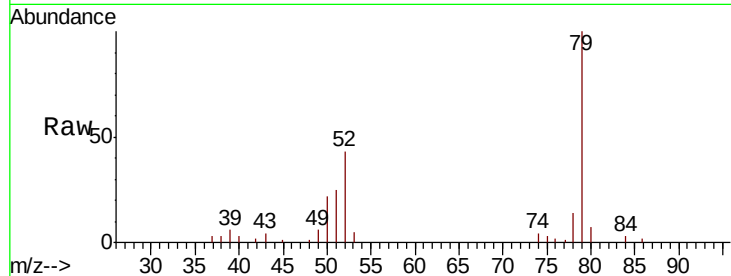
#3
 Pvridine
 Concen: 18.964 ng/ml
 RT: 3.35 min Scan# 214
 Delta R.T. 0.24 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-031020MSD

Tot Ion	Ion	Ratio	Lower	Upper
79	100			
52	43.4	37.4	56.0	
51	25.5	19.8	29.6	

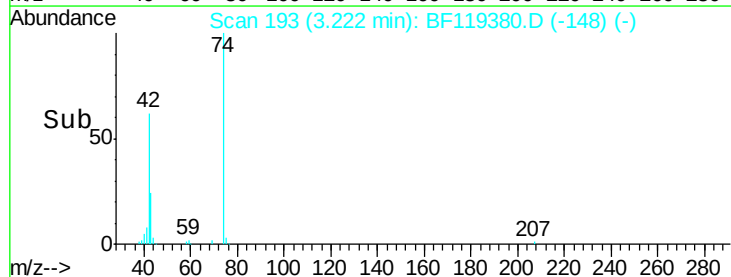
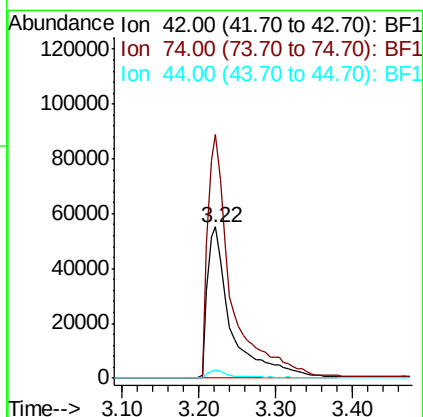
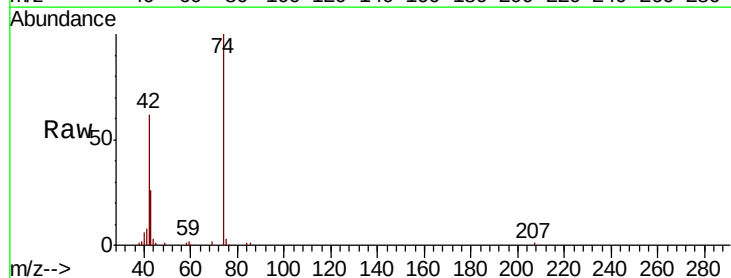
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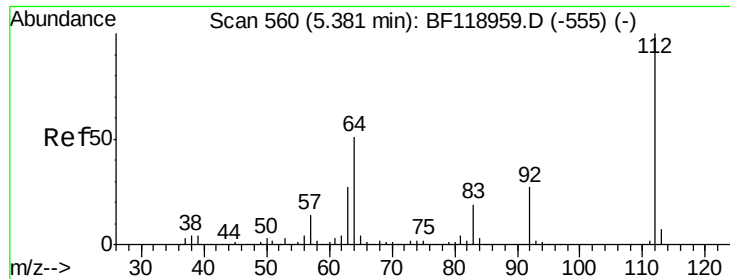
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#4
 n-Nitrosodimethylamine
 Concen: 45.035 ng/ml
 RT: 3.22 min Scan# 193
 Delta R.T. 0.16 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Tgt Ion	Ion	Ratio	Lower	Upper
42	100			
74	161.1	137.7	206.5	
44	5.3	4.5	6.7	





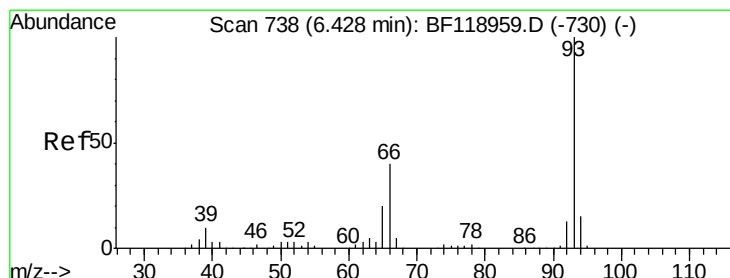
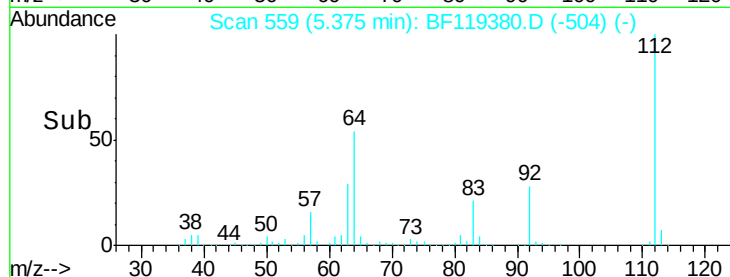
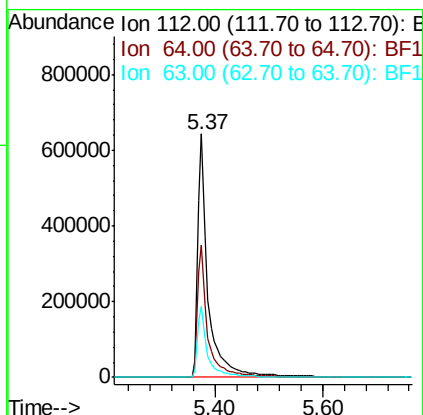
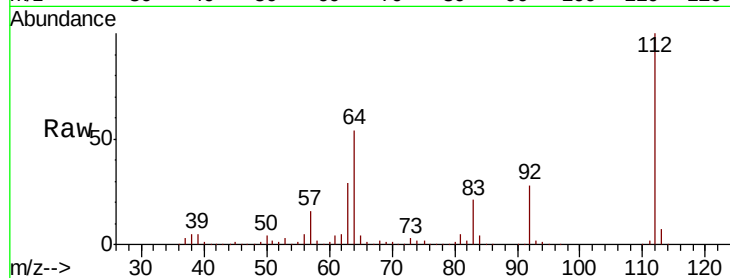
#5
2-Fluorophenol
Concen: 119.773 ng
RT: 5.37 min Scan# 559
Delta R.T. 0.02 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Resp Lower	Upper
112	100		
64	54.2	45.0	67.4
63	29.3	24.2	36.4

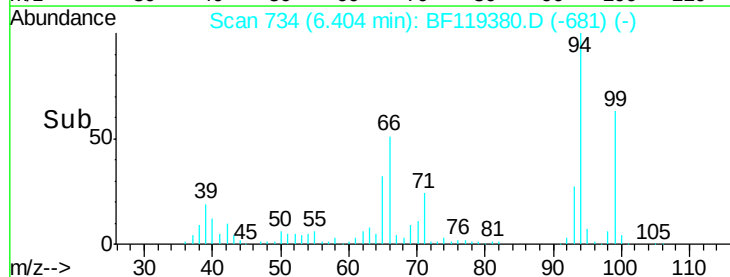
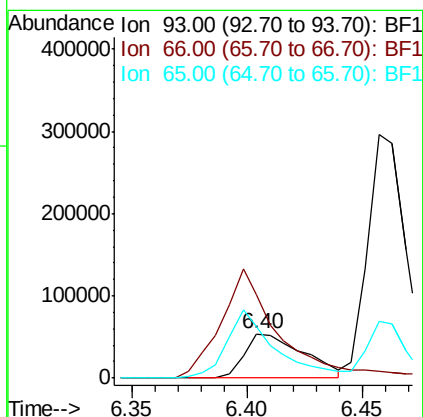
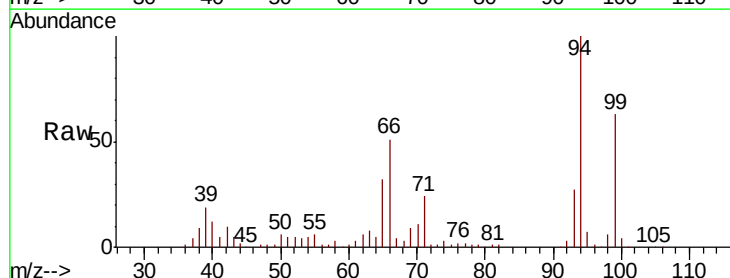
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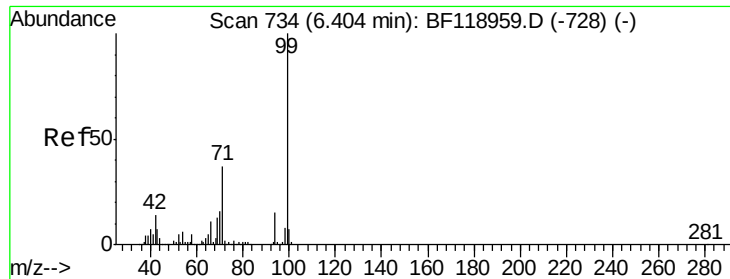
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#6
Aniline
Concen: 8.921 ng
RT: 6.40 min Scan# 734
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Resp Lower	Upper
93	100		
66	189.1	74.5	111.7#
65	116.9	45.3	67.9#





#7

Phenol-d6

Concen: 109.673 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

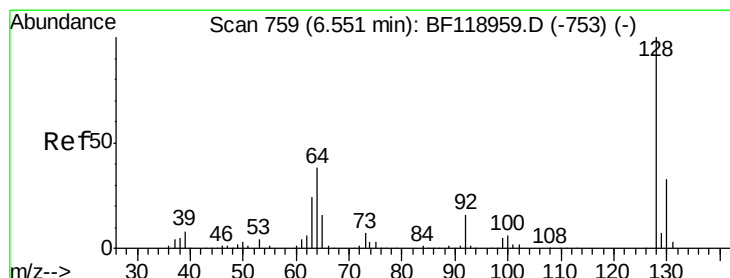
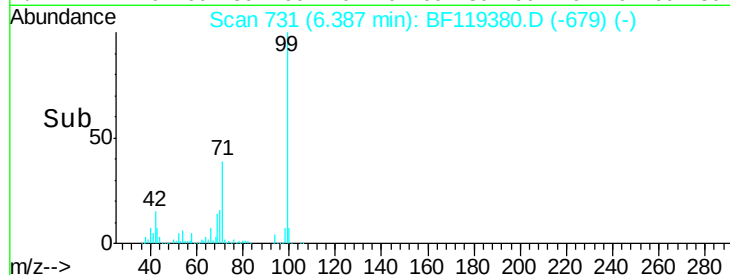
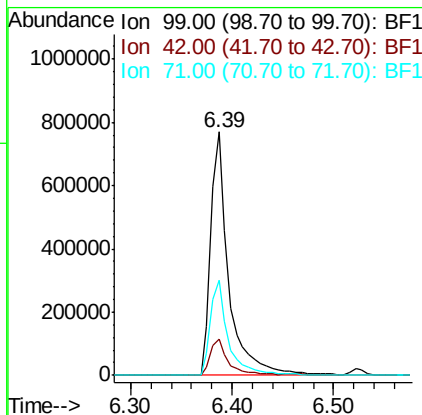
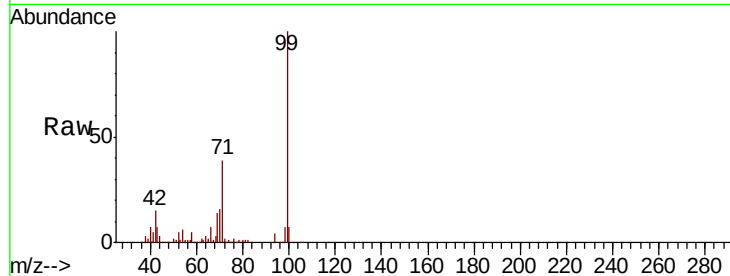
ClientSampleId :

OK-03-031020MSD

Tot Ion:	99	Resp:	958200
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.6	18.8
71	39.1	31.0	46.4

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#8

2-Chlorophenol

Concen: 46.015 ng

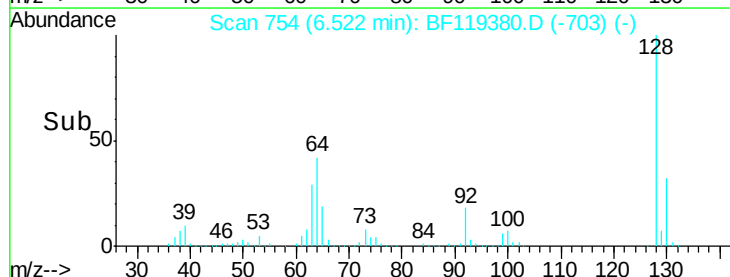
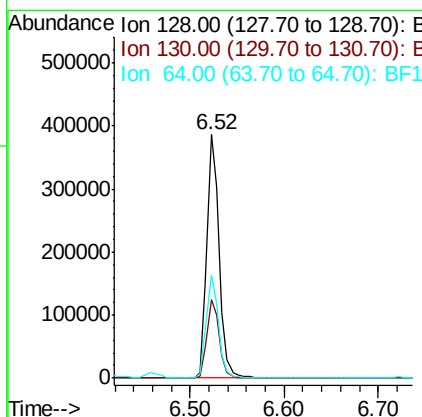
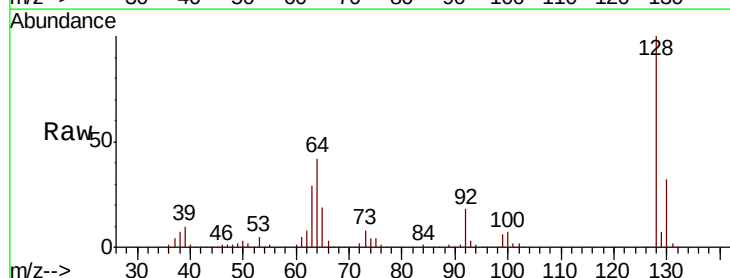
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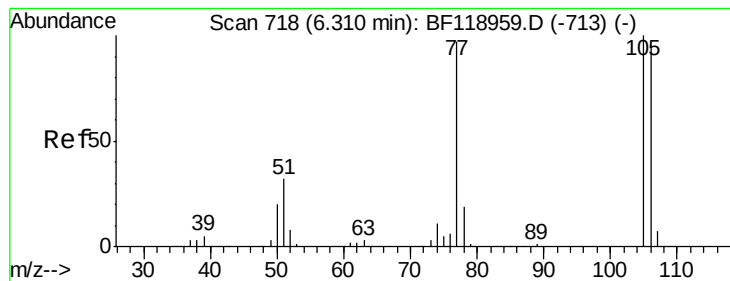
Delta R.T. 0.00 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:	128	Resp:	356741
Ion Ratio	Lower	Upper	
128	100		
130	32.3	12.7	52.7
64	42.2	22.3	62.3





#9

Benzaldehyde

Concen: 23.004 ng

RT: 6.29 min Scan# 714

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

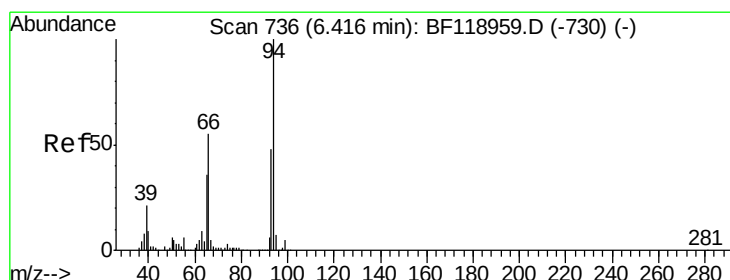
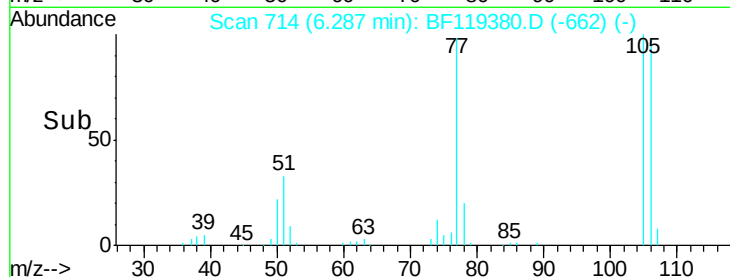
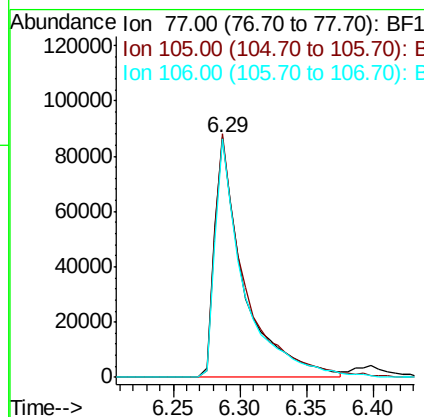
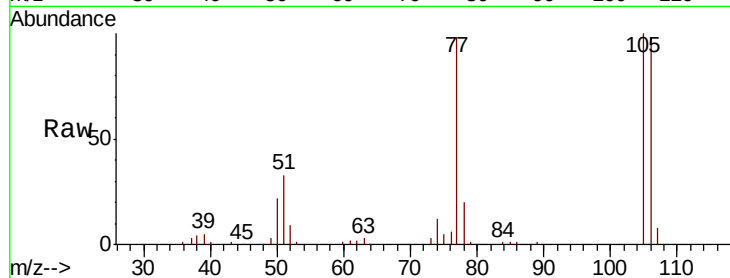
ClientSampleId :

OK-03-031020MSD

Tot Ion:	77	Resp:	134283
Ion	Ratio	Lower	Upper
77	100		
105	101.6	80.1	120.1
106	99.3	75.9	115.9

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#10

Phenol

Concen: 41.404 ng

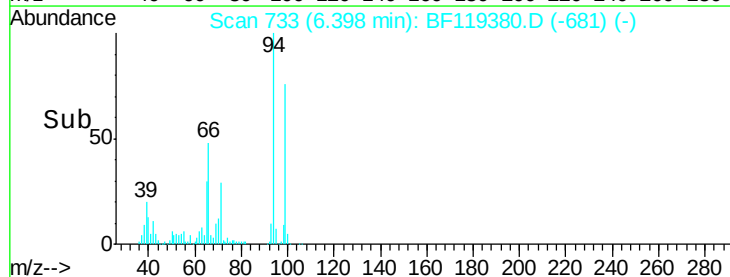
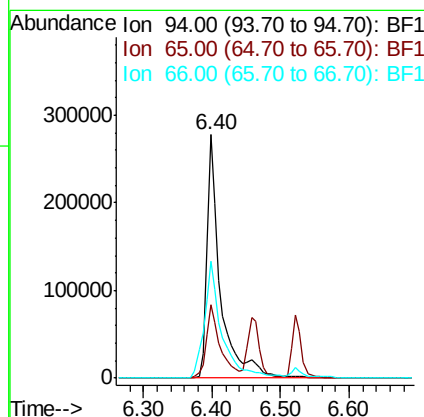
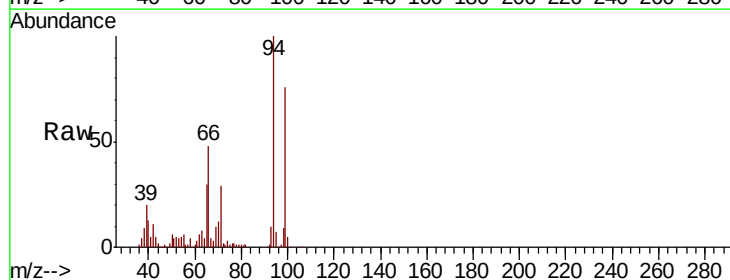
RT: 6.40 min Scan# 733

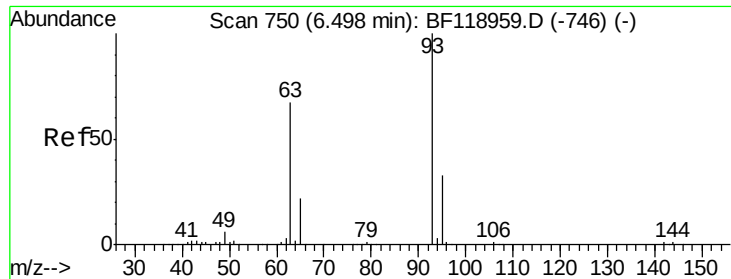
Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:	94	Resp:	391111
Ion	Ratio	Lower	Upper
94	100		
65	30.1	19.2	59.2
66	47.8	44.4	84.4





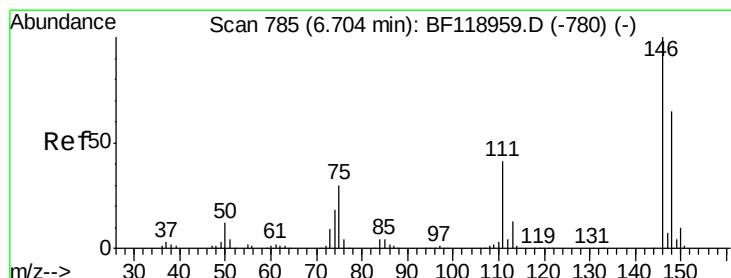
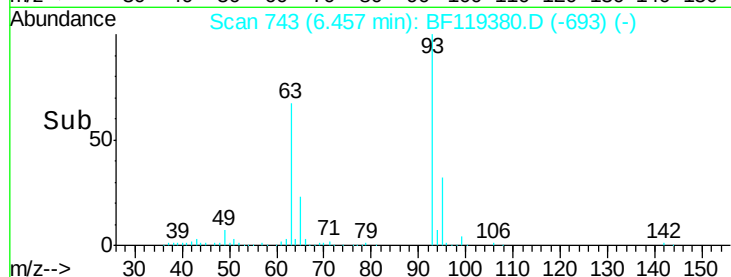
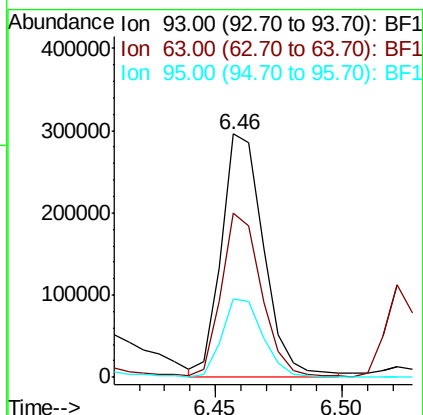
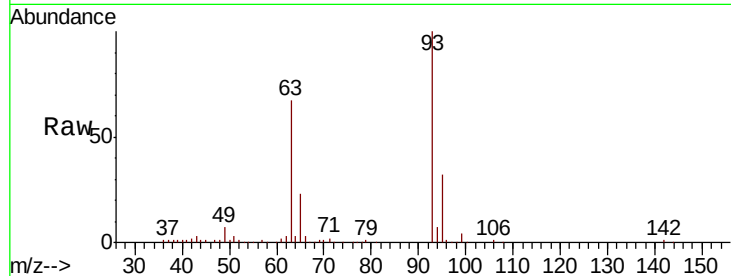
#11
bis(2-Chloroethyl)ether
Concen: 47.577 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion:	93	Resp:	343871
Ion	Ratio	Lower	Upper
93	100		
63	67.2	45.4	85.4
95	32.0	13.5	53.5

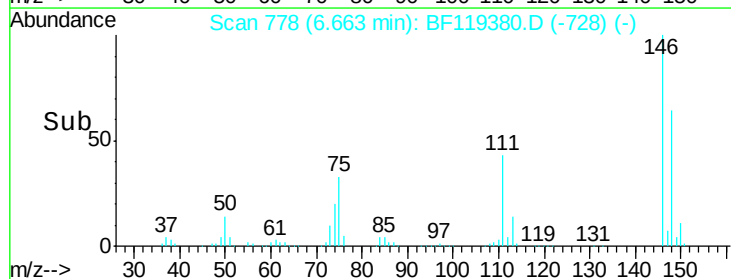
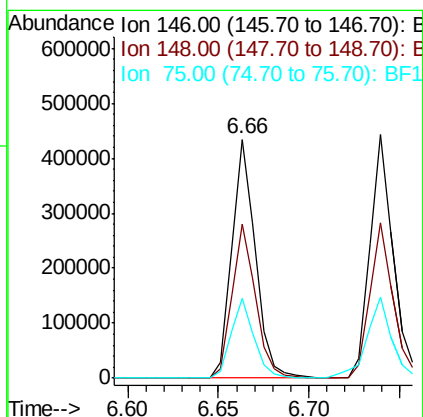
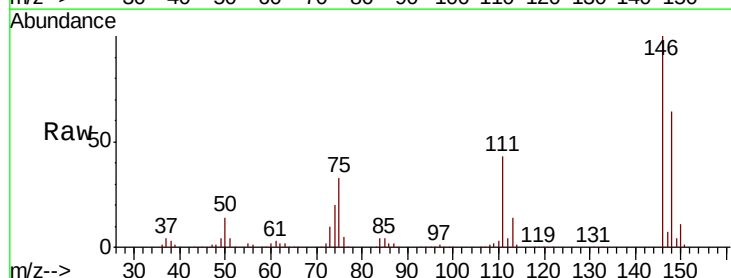
Manual Integrations
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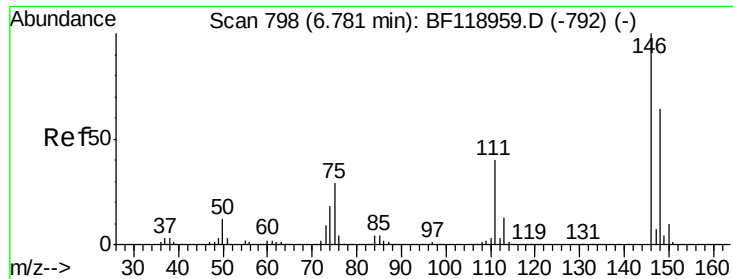
mohammad
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#12
1,3-Dichlorobenzene
Concen: 42.350 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion:	146	Resp:	393527
Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.5	78.7
75	33.4	23.6	35.4





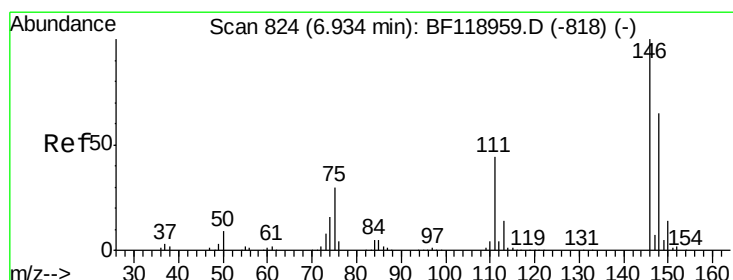
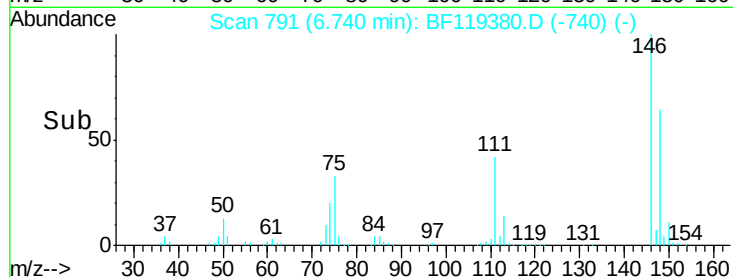
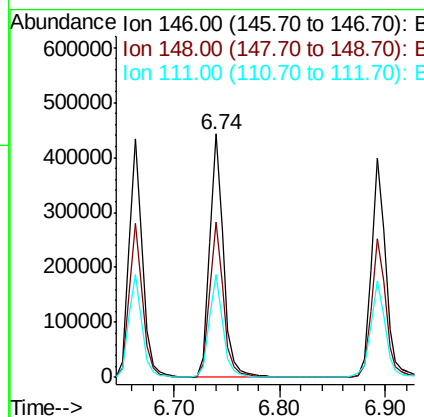
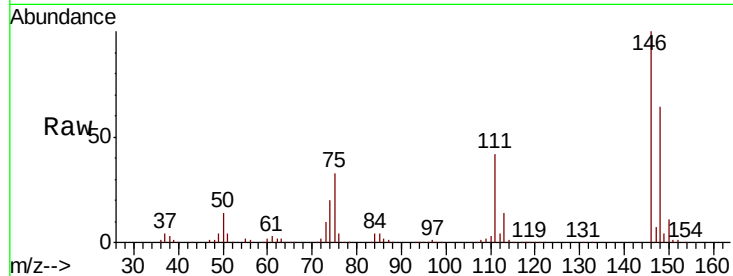
#13
1,4-Dichlorobenzene
Concen: 43.443 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.1	76.7
111	42.5	34.8	52.2

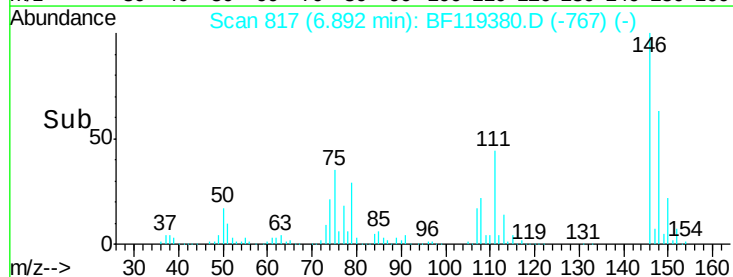
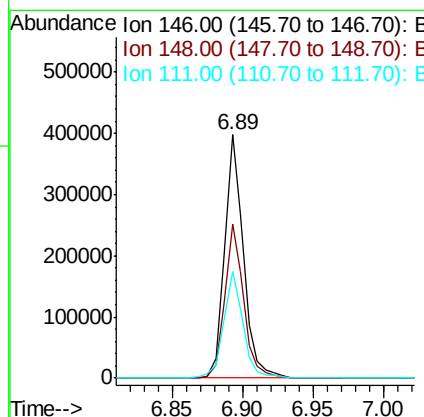
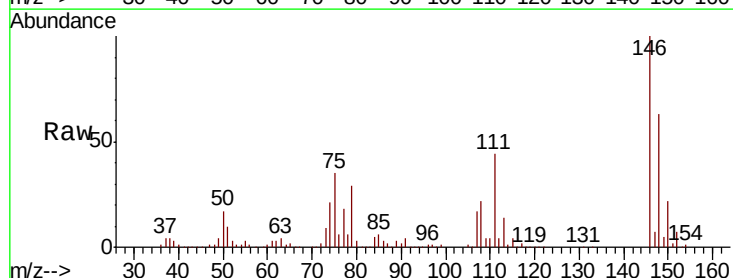
Manual Integrations
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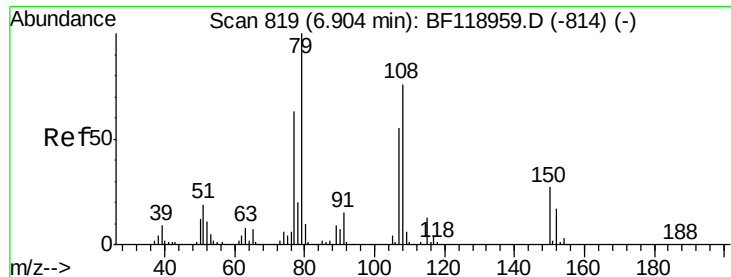
mohammad
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#14
1,2-Dichlorobenzene
Concen: 43.438 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.9	77.9
111	44.0	36.2	54.2





#15

Benzyl Alcohol

Concen: 48.130 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

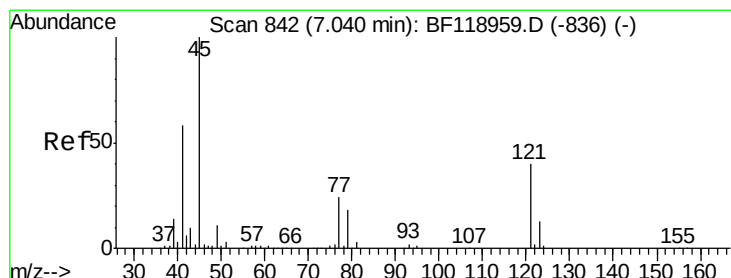
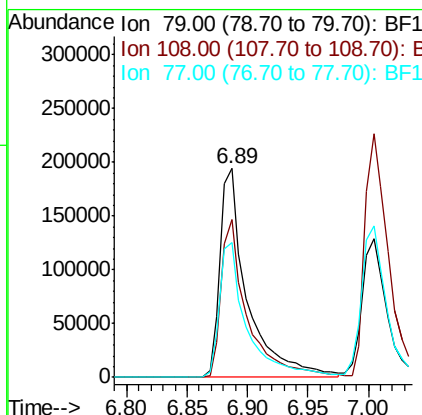
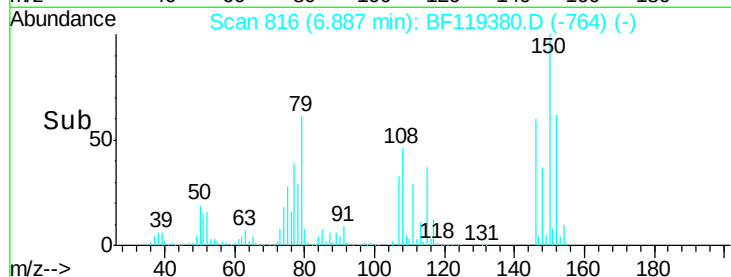
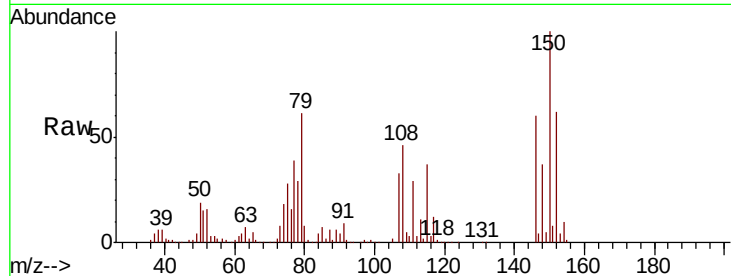
ClientSampleId :

OK-03-031020MSD

Tot Ion:	79	Resp:	303916
Ion Ratio	Lower	Upper	
79	100		
108	75.8	58.2	87.2
77	64.5	51.2	76.8

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.656 ng

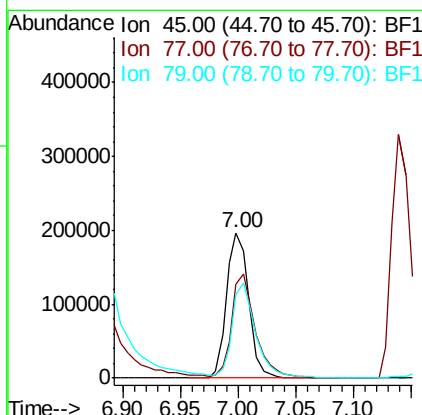
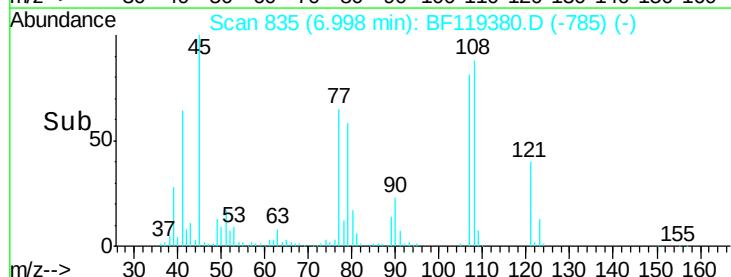
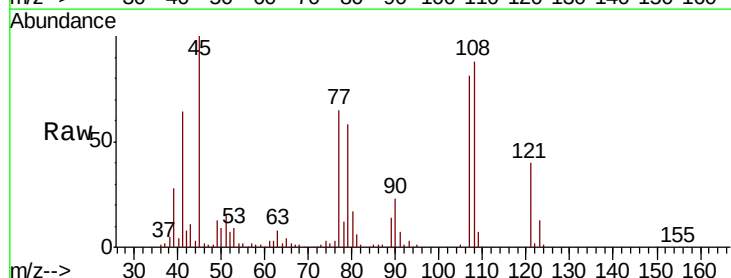
RT: 7.00 min Scan# 835

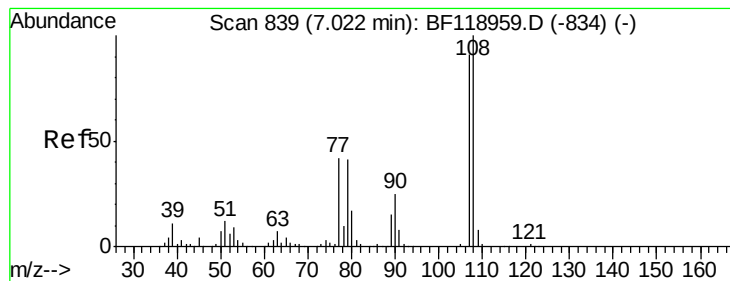
Delta R.T. -0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:	45	Resp:	260806
Ion Ratio	Lower	Upper	
45	100		
77	64.9	15.0	55.0#
79	57.8	9.4	49.4#





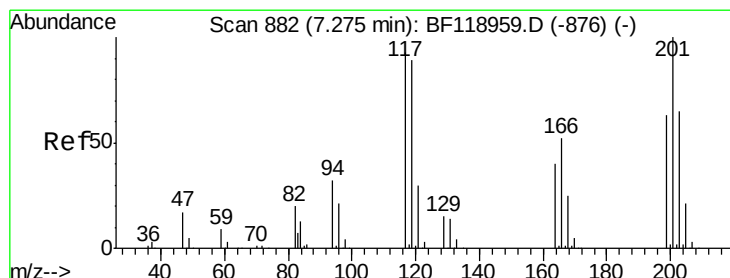
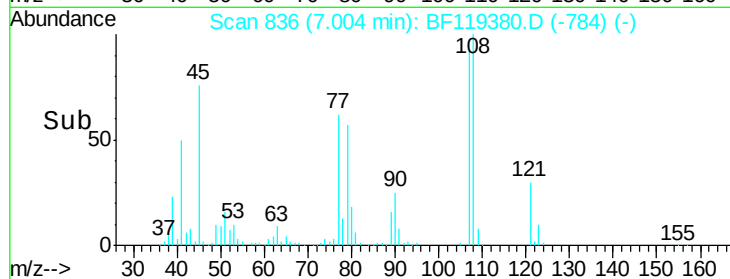
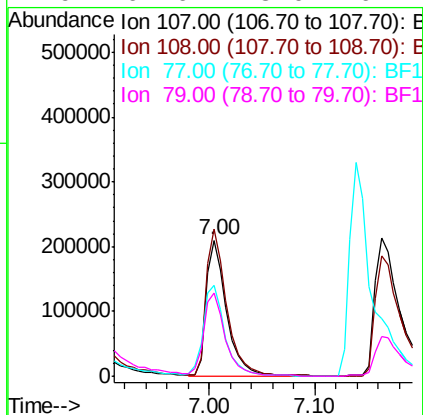
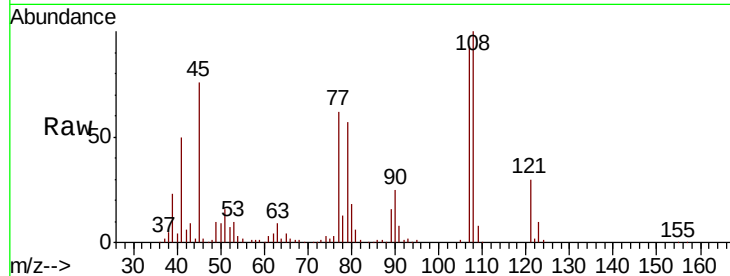
#17
2-Methylphenol
Concen: 44.590 ng
RT: 7.00 min Scan# 836
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	280272		
108	107.9	87.9	131.9	
77	66.8	45.3	67.9	
79	61.6	43.0	64.4	

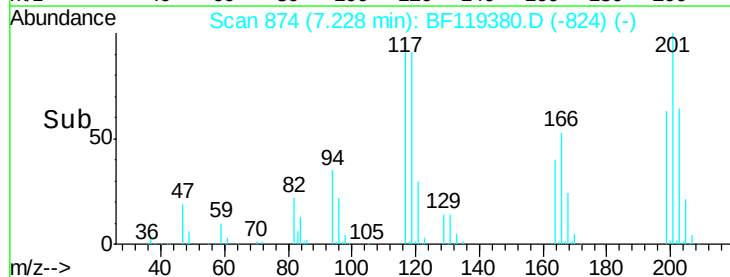
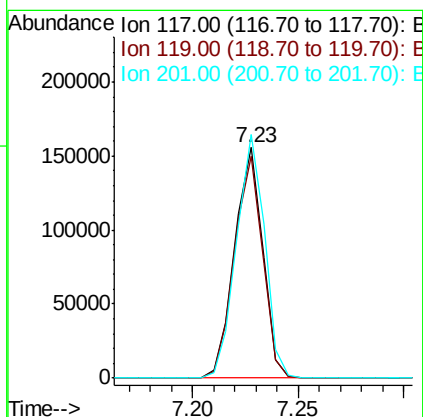
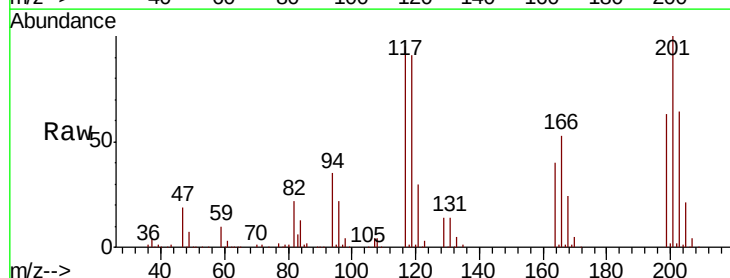
Manual Integrations
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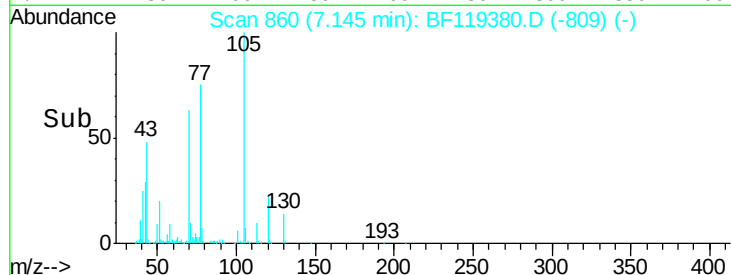
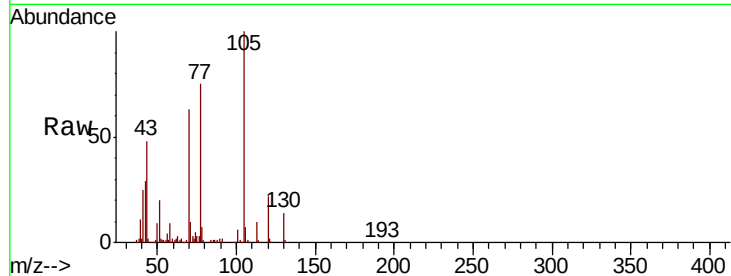
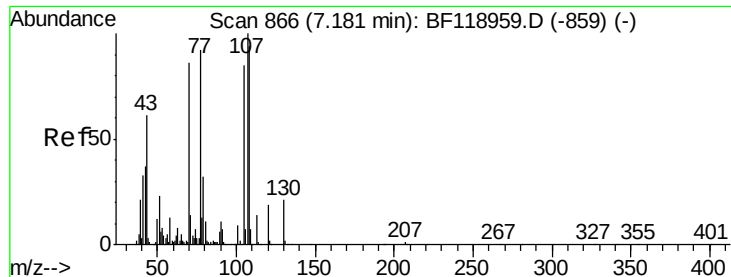
mohammad
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#18
Hexachloroethane
Concen: 43.068 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	143276		
119	95.9	77.5	116.3	
201	105.5	82.6	123.8	





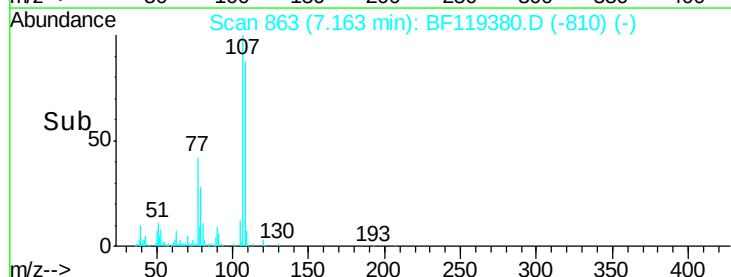
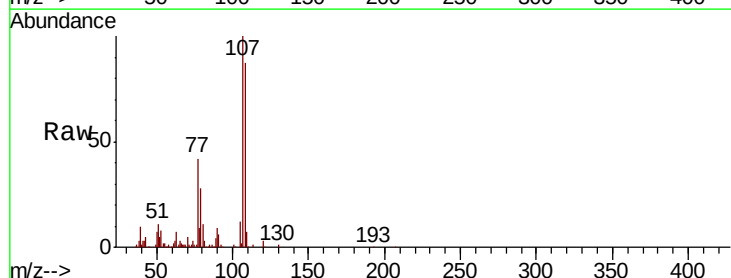
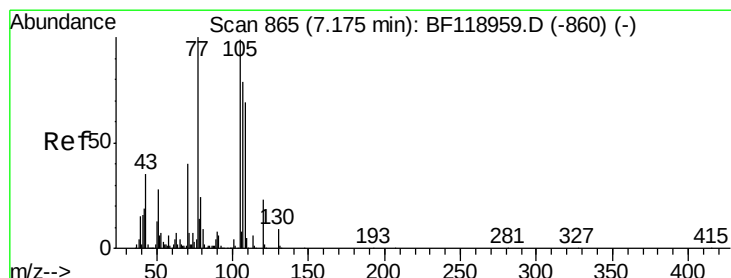
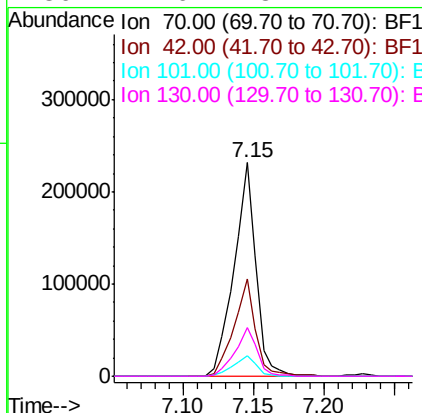
#19
n-Nitroso-di-n-propylamine
Concen: 49.205 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	45.3	38.0	57.0
101	9.4	8.2	12.4
130	22.6	18.2	27.4

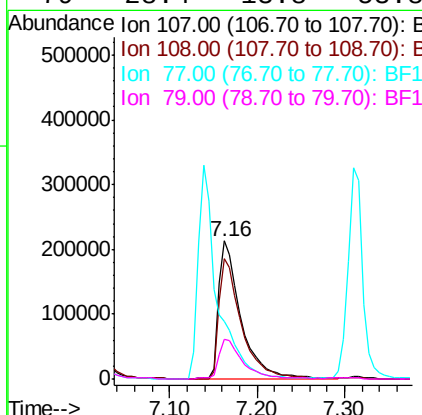
Manual Integrations
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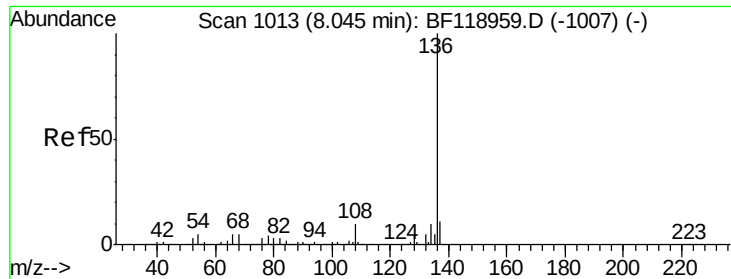
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#20
3+4-Methylphenols
Concen: 48.911 ng
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.2	71.5	111.5
77	41.8	45.9	85.9
79	28.4	13.8	53.8





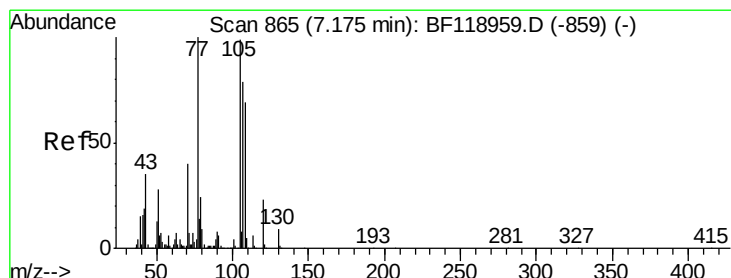
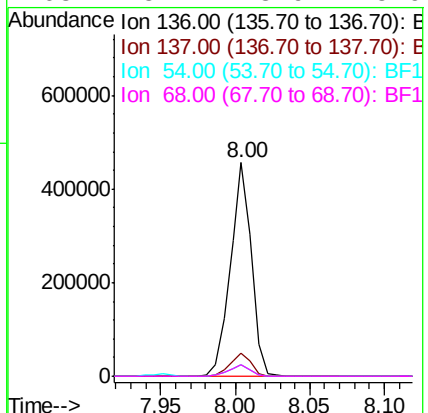
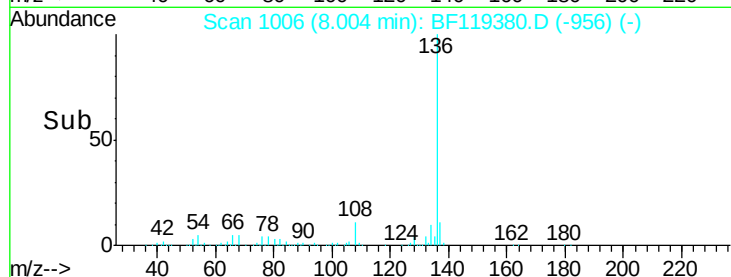
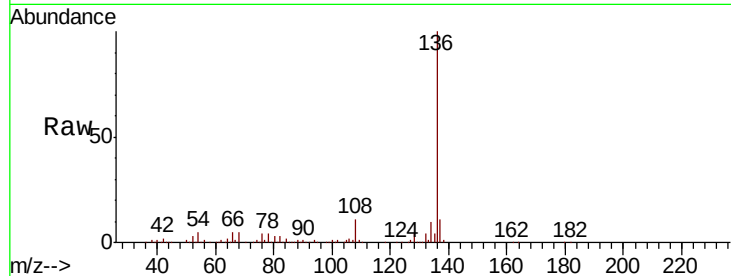
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		453415		
137	10.8		8.8	13.2	
54	5.1		3.8	5.6	
68	5.1		3.9	5.9	

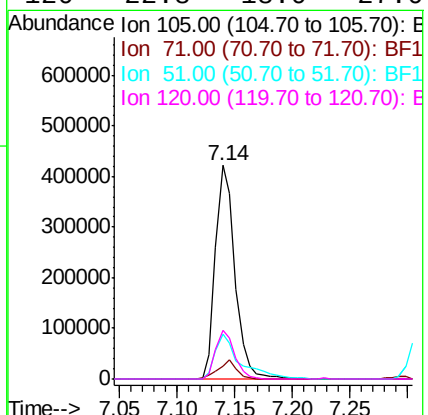
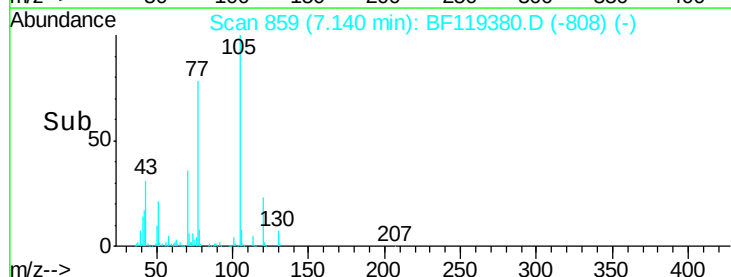
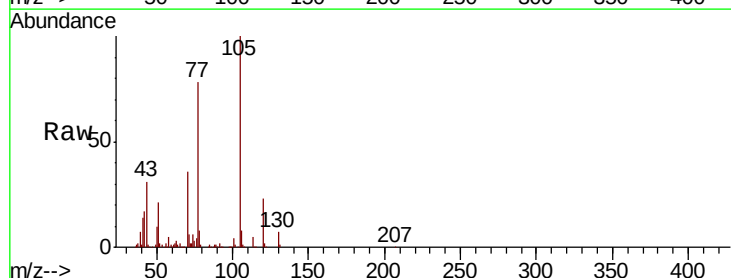
Manual Integrations
APPROVED

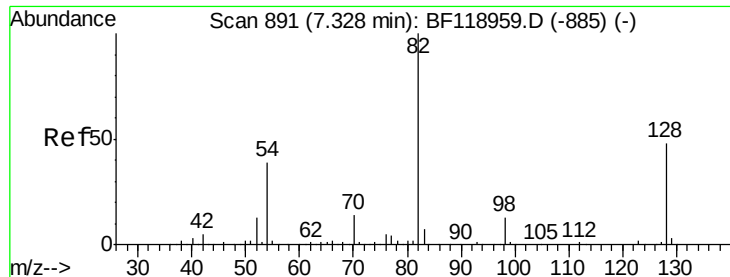
mohammad
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#22
Acetophenone
Concen: 47.215 ng
RT: 7.14 min Scan# 859
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		495321		
71	6.0		3.0	4.4#	
51	21.1		20.1	30.1	
120	22.8		18.0	27.0	





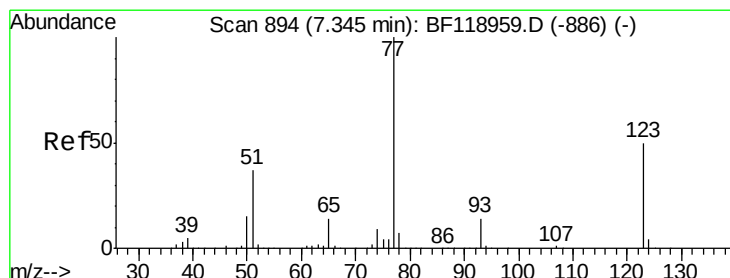
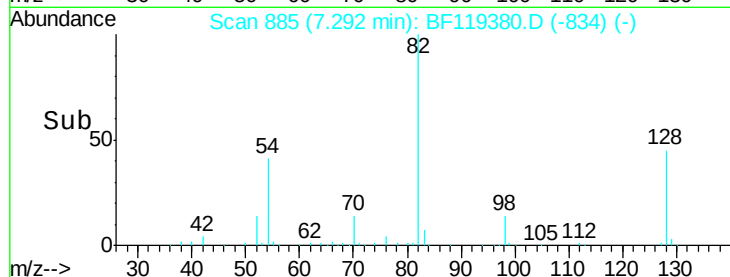
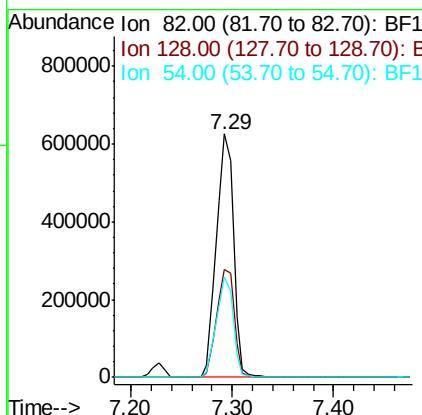
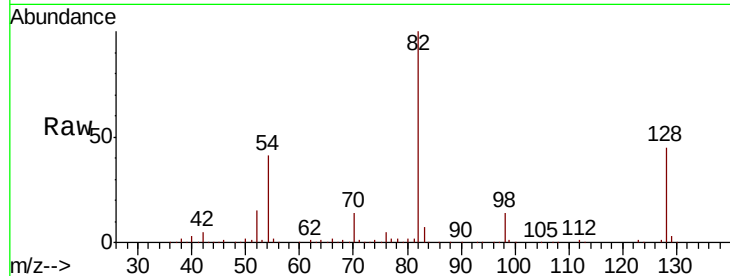
#23
Nitrobenzene-d5
Concen: 86.466 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	37.9	56.9
54	41.2	33.4	50.2

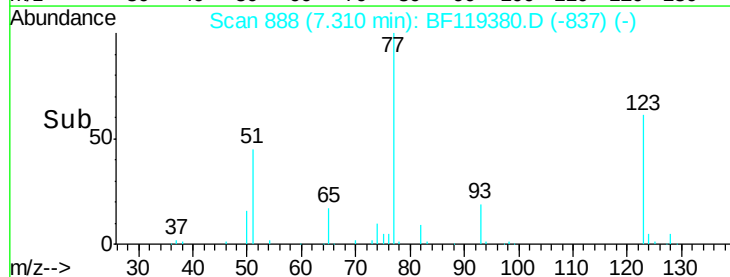
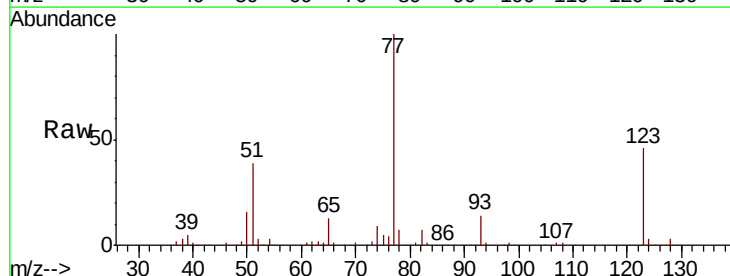
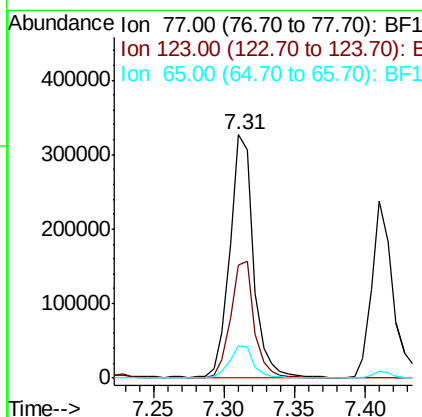
Manual Integrations
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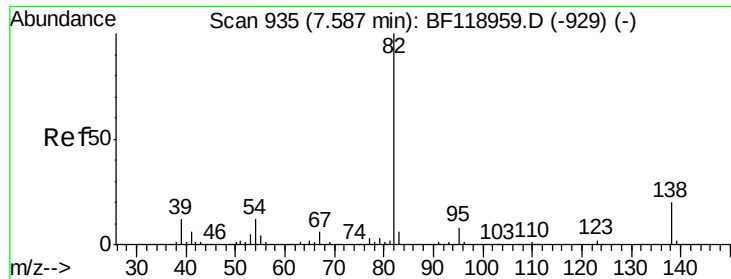
mohammad
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#24
Nitrobenzene
Concen: 44.721 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.5	40.2	60.2
65	13.5	10.8	16.2





#25

Isophorone

Concen: 45.879 ng

RT: 7.55 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

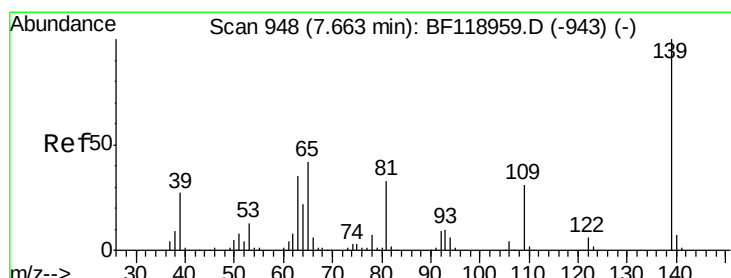
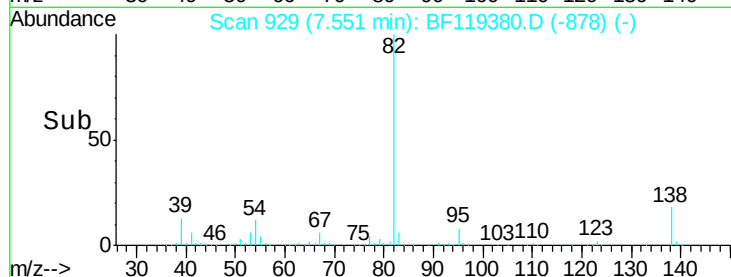
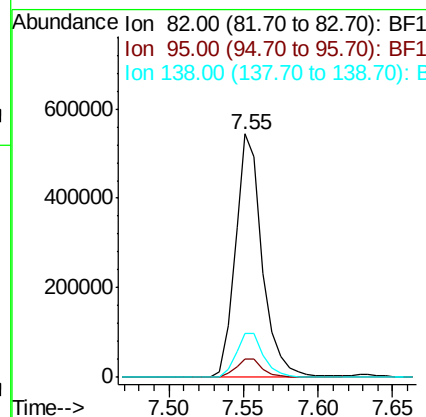
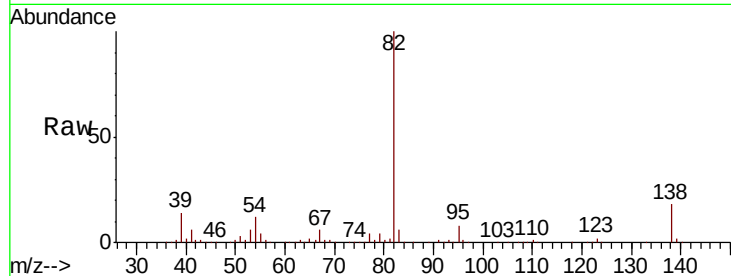
ClientSampleId :

OK-03-031020MSD

Tot Ion:	82	Resp:	684229
Ion Ratio	Lower	Upper	
82	100		
95	7.8	6.4	9.6
138	18.1	15.7	23.5

Manual Integrations
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#26

2-Nitrophenol

Concen: 44.674 ng

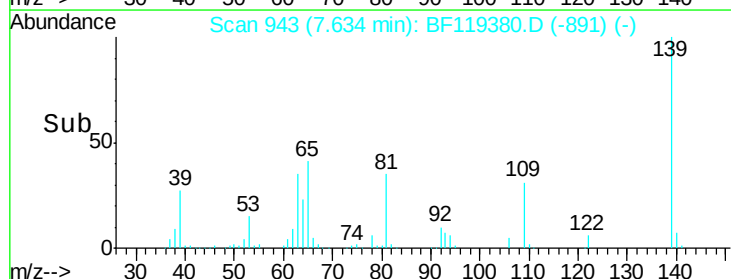
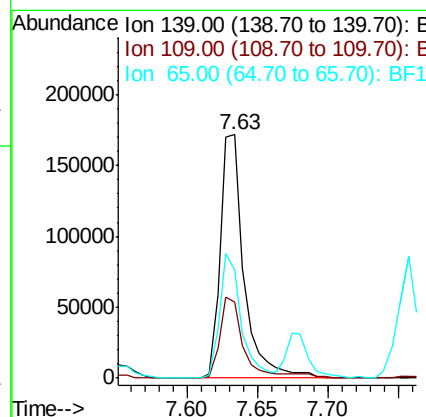
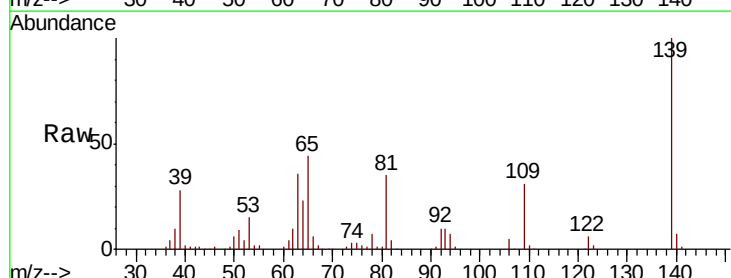
RT: 7.63 min Scan# 943

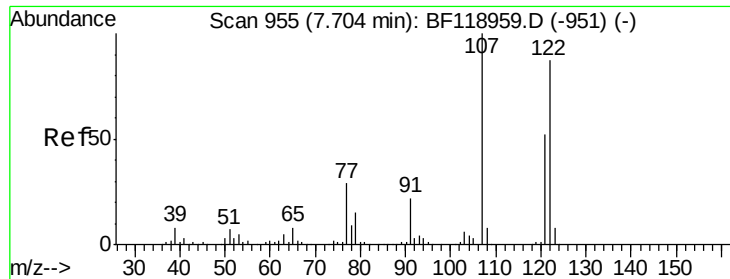
Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:	139	Resp:	201012
Ion Ratio	Lower	Upper	
139	100		
109	31.3	25.7	38.5
65	44.2	37.1	55.7





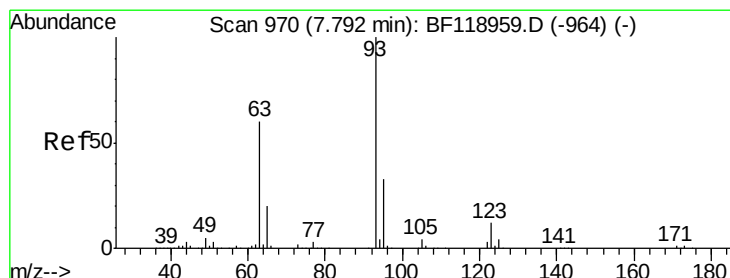
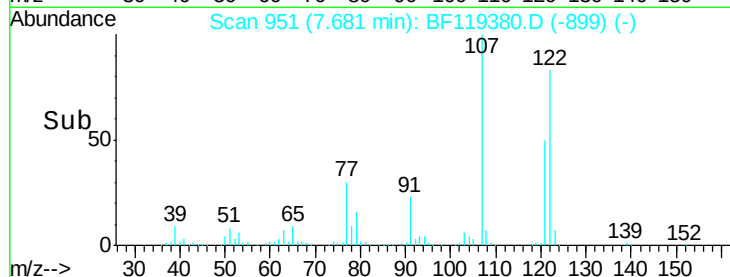
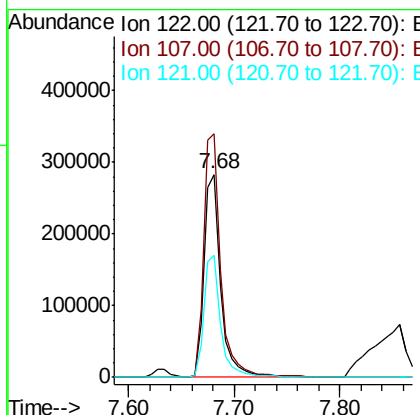
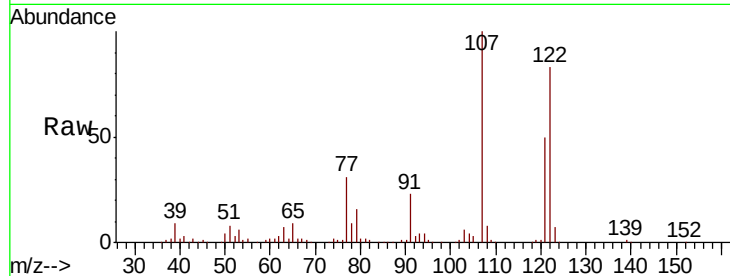
#27
2,4-Dimethylphenol
Concen: 50.534 ng
RT: 7.68 min Scan# 951
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.0	93.8	140.6
121	60.2	48.2	72.2

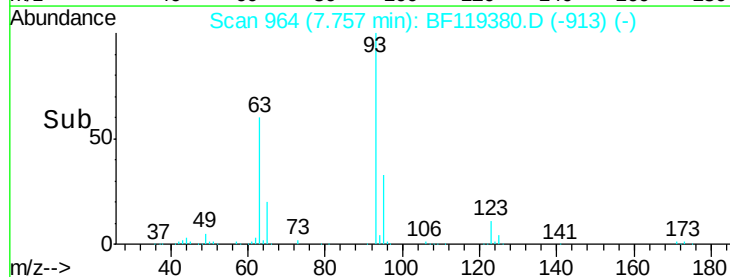
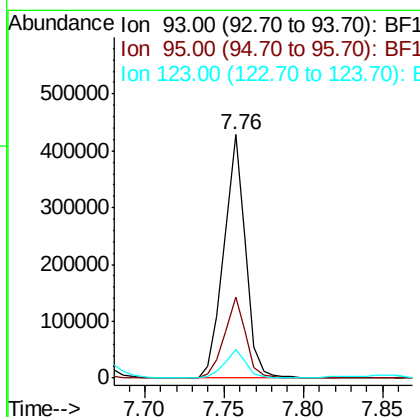
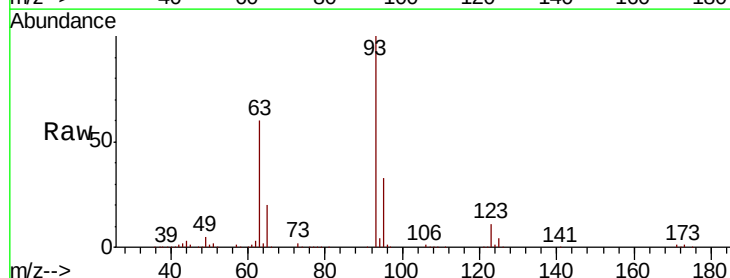
Manual Integrations
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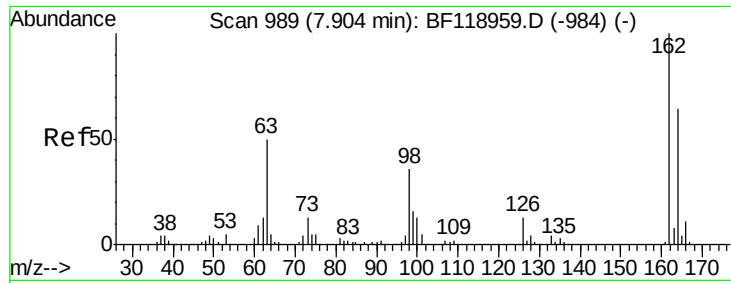
mohammad
3/16/2020 1:47:21 PM



#28
bis(2-Chloroethoxy)methane
Concen: 41.907 ng
RT: 7.76 min Scan# 964
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.5	39.7
123	11.5	10.2	15.2





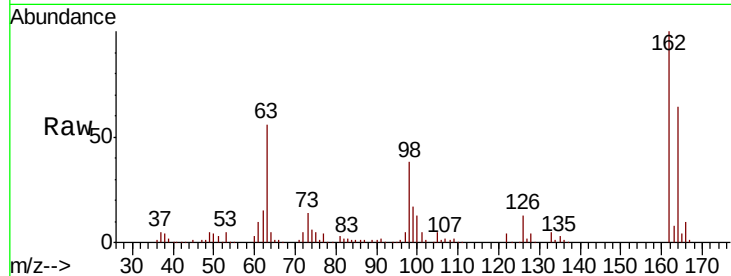
#29
 2,4-Dichlorophenol
 Concen: 44.155 ng
 RT: 7.89 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-031020MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
164	63.8	45.2	85.2	
98	38.1	17.4	57.4	

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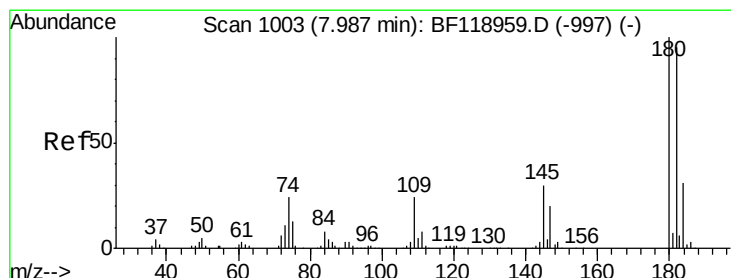
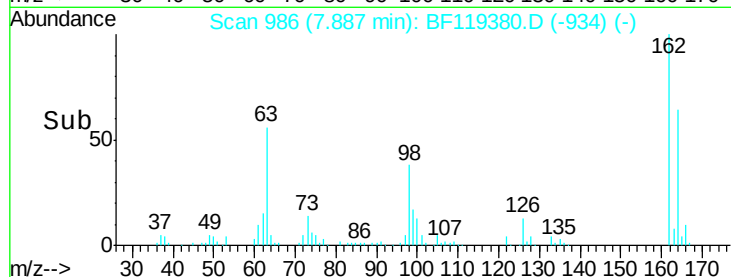
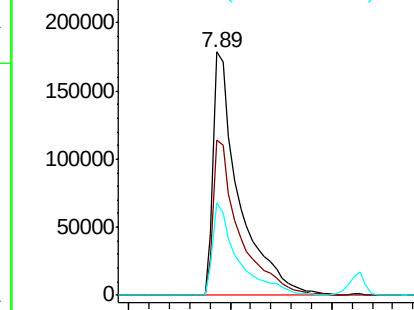


Abundance

Ion 162.00 (161.70 to 162.70): E

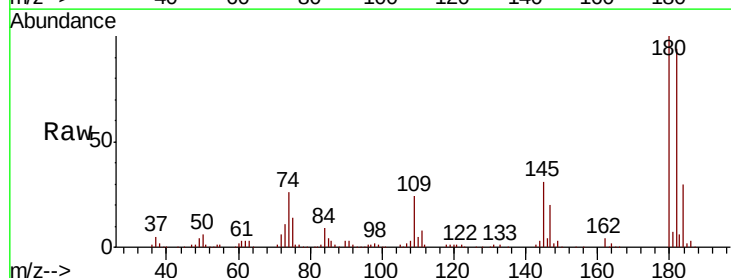
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 40.386 ng
 RT: 7.95 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	77.8	116.6	
145	30.6	25.2	37.8	

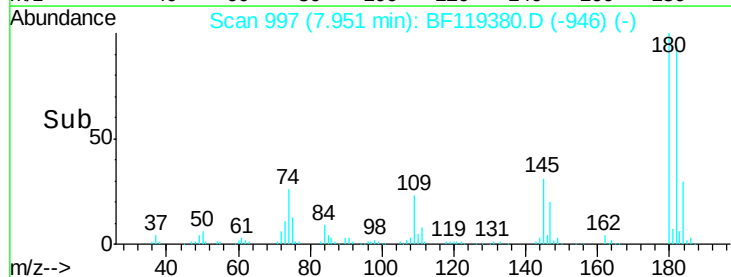
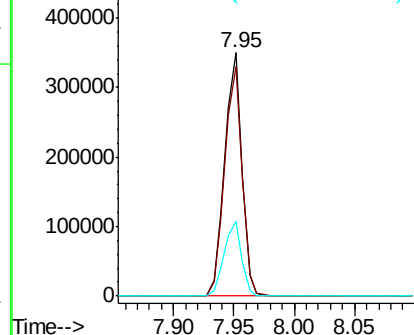


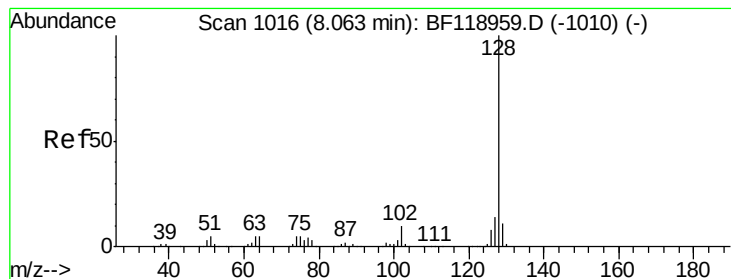
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 44.344 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

ClientSampleId :

OK-03-031020MSD

Tot Ion:128 Resp: 1042749

Ion Ratio Lower Upper

128 100

129 11.1 9.4 14.2

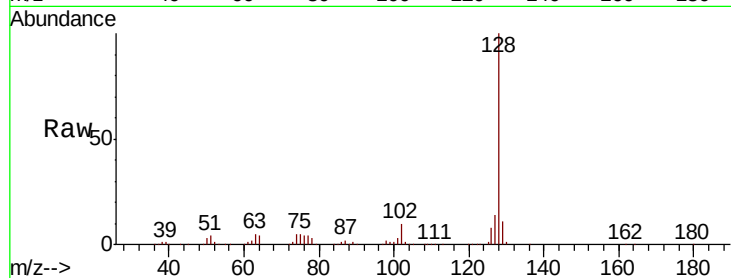
127 13.6 11.4 17.2

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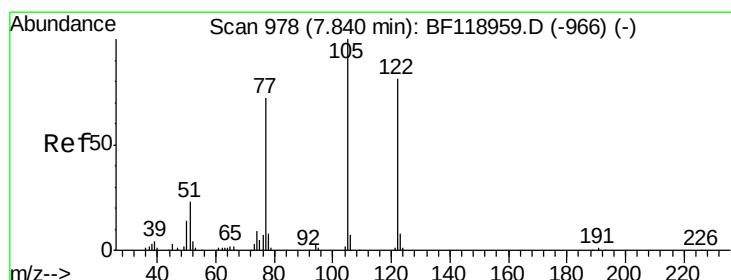
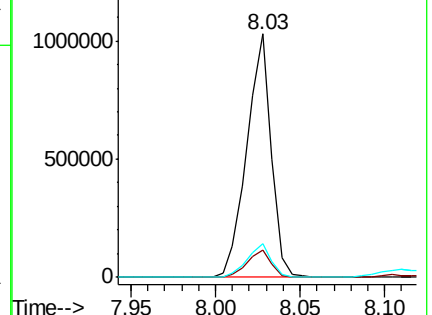
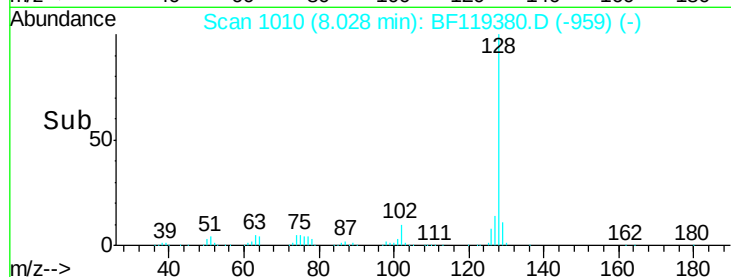
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 39.904 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.02 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

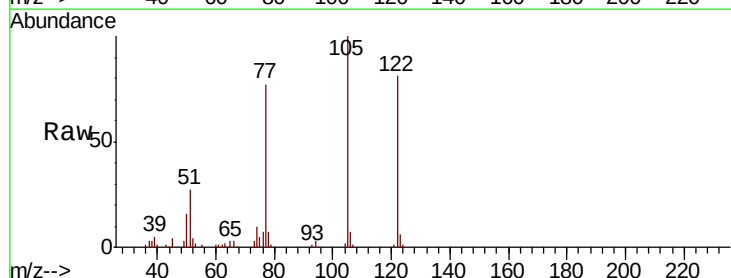
Tgt Ion:122 Resp: 171972

Ion Ratio Lower Upper

122 100

105 124.0 106.3 146.3

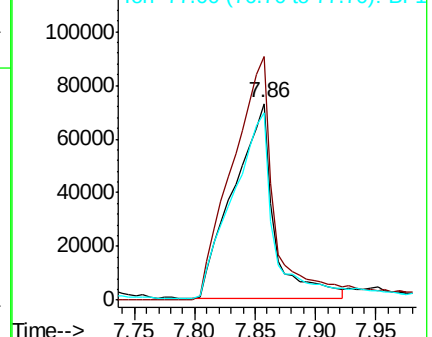
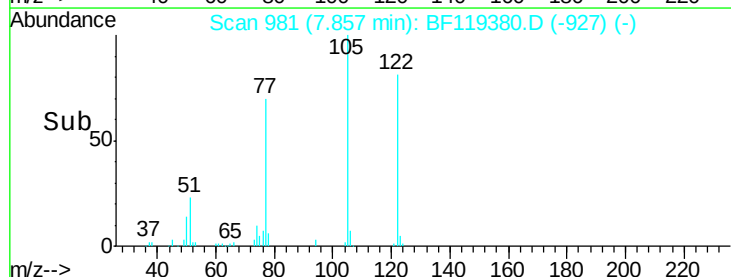
77 95.6 73.1 113.1

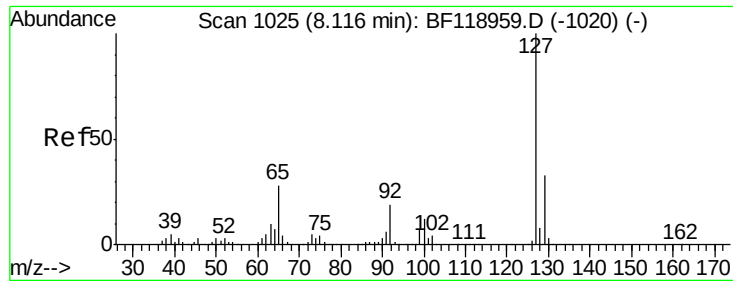


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





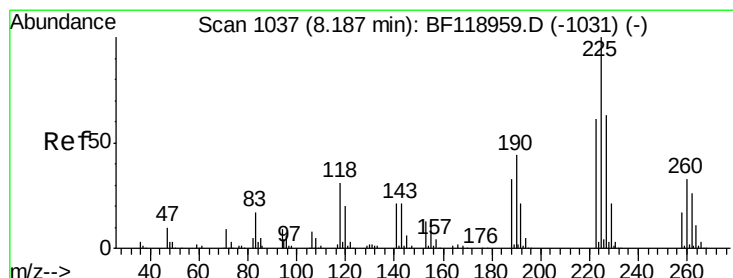
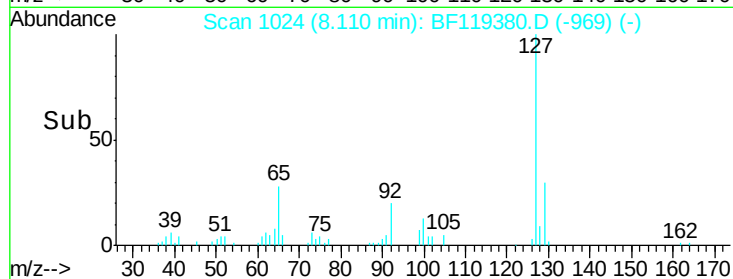
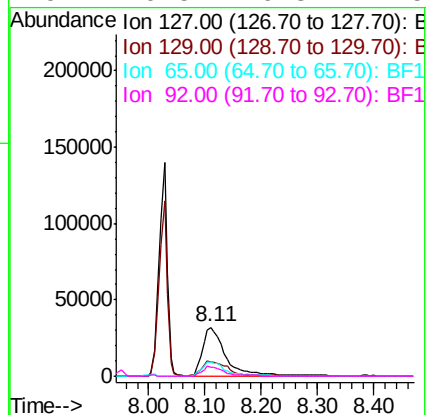
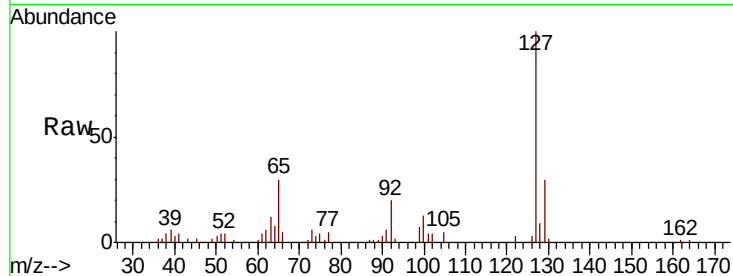
#33
4-Chloroaniline
Concen: 9.269 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.02 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	30.0	25.9	38.9		
65	29.8	23.9	35.9		
92	19.5	16.3	24.5		

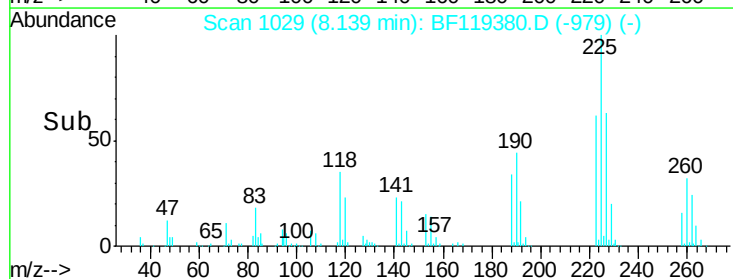
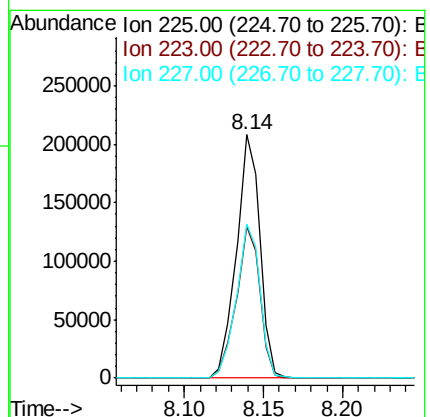
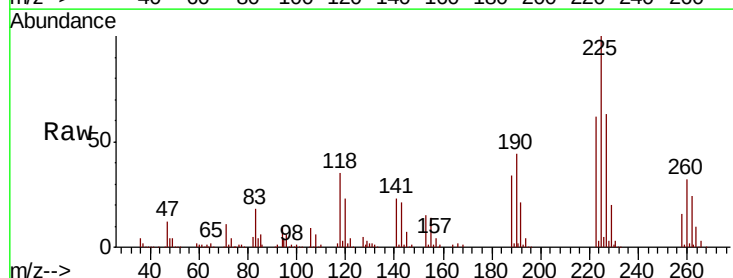
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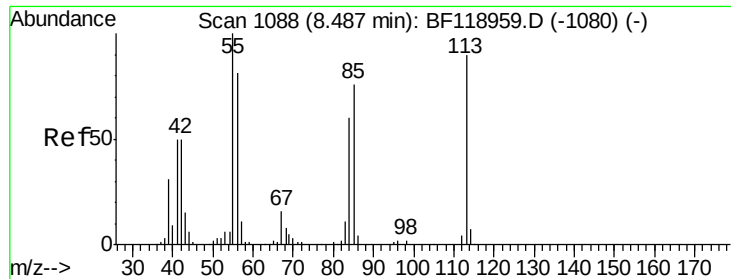
mohammad
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#34
Hexachlorobutadiene
Concen: 40.354 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.0	49.4	74.2		
227	63.2	52.9	79.3		





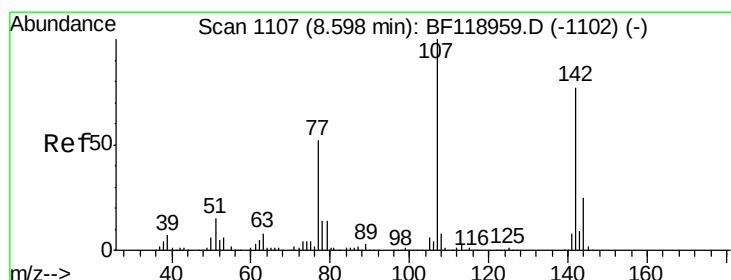
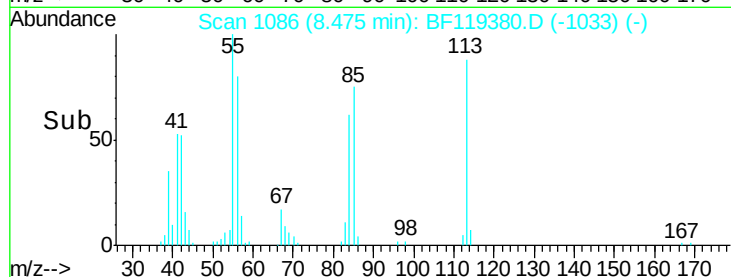
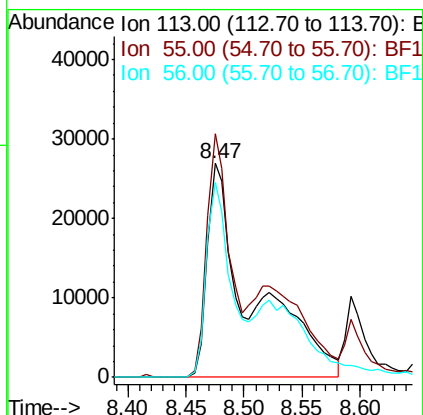
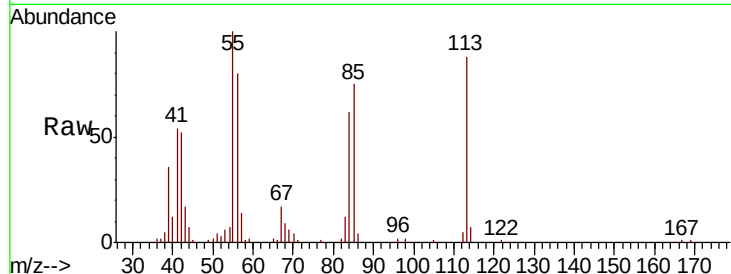
#35
 Caprolactam
 Concen: 32.301 ng/ml
 RT: 8.47 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	113.9	95.7	135.7
56	91.3	73.1	113.1

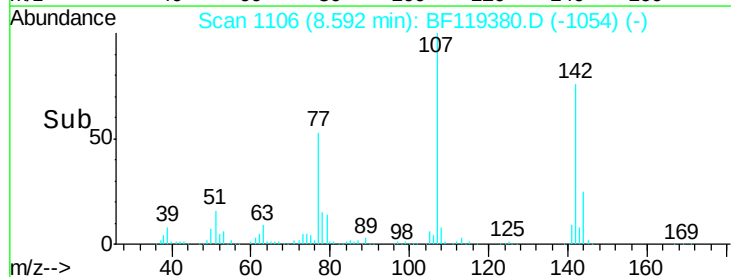
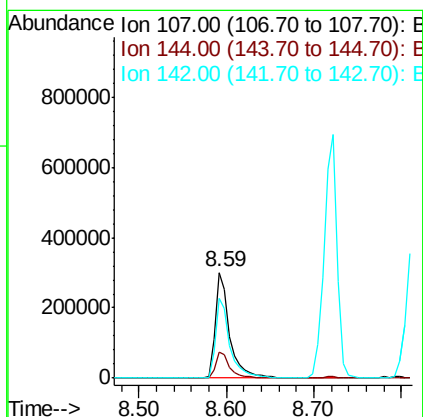
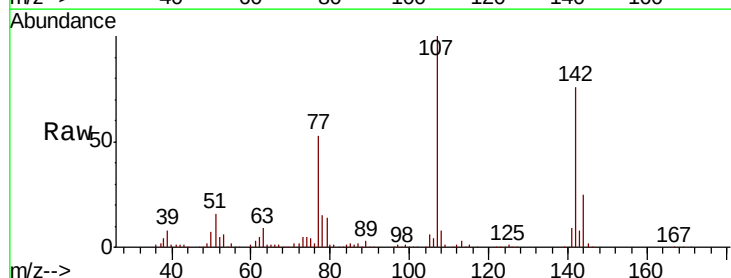
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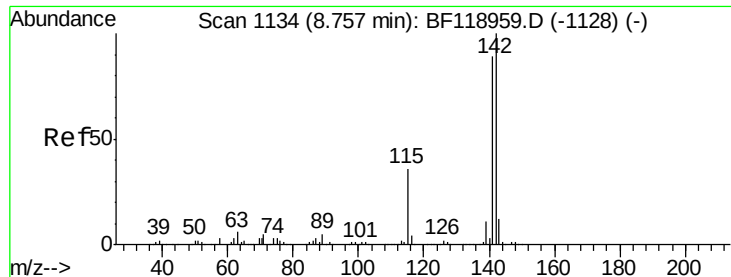
mohammad
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#36
 4-Chloro-3-methylphenol
 Concen: 46.682 ng/ml
 RT: 8.59 min Scan# 1106
 Delta R.T. 0.01 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.1	30.1
142	76.2	61.4	92.2





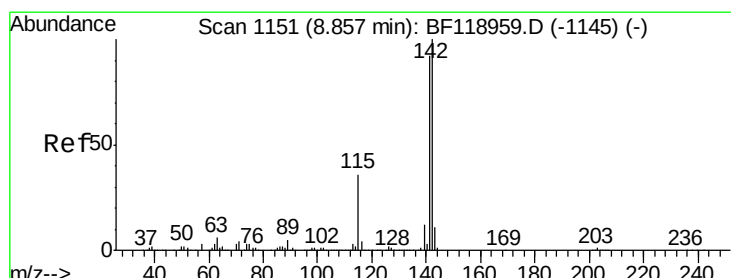
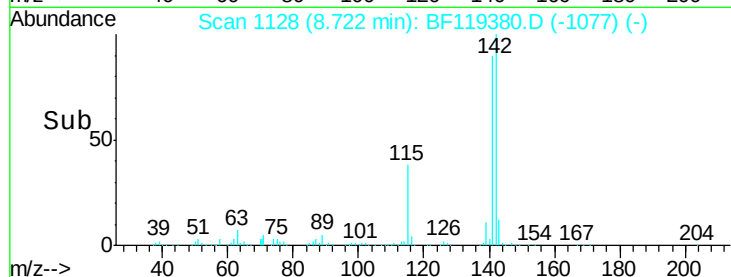
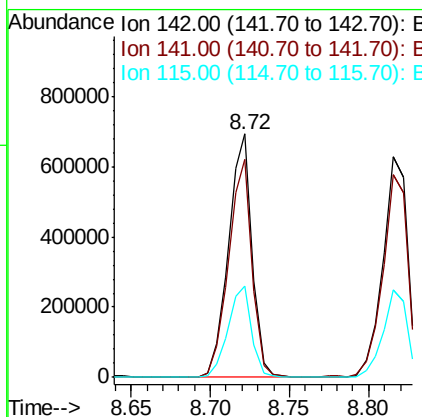
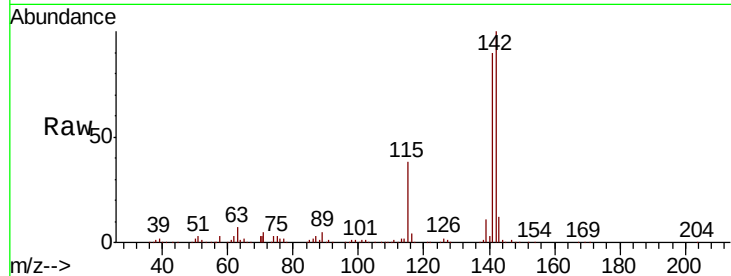
#37
2-Methylnaphthalene
Concen: 44.886 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.3	108.5
115	37.7	30.6	45.8

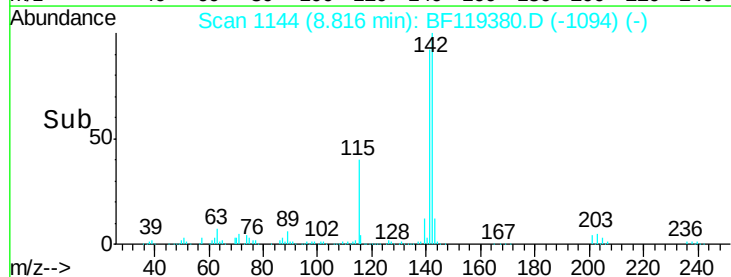
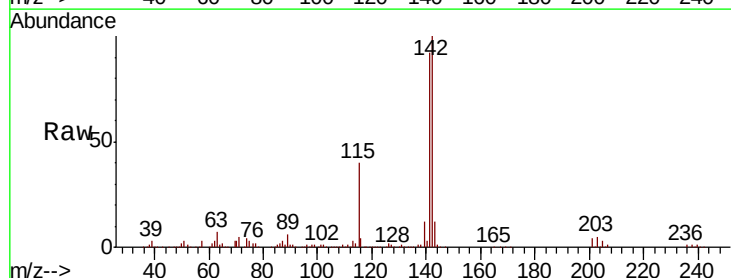
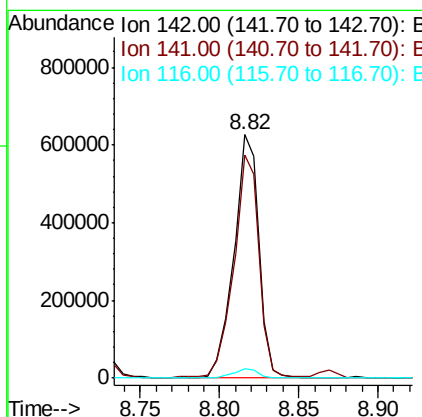
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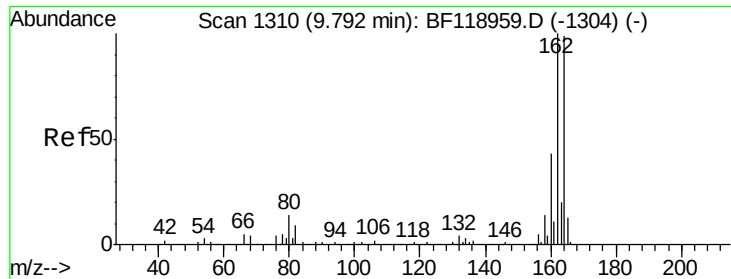
mohammad
3/16/2020 1:47:21 PM



#38
1-Methylnaphthalene
Concen: 45.807 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	75.8	113.6
116	4.0	3.1	4.7





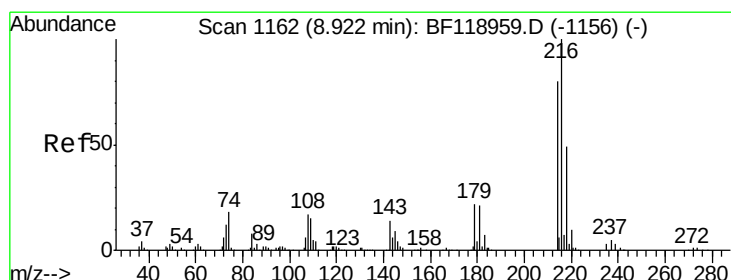
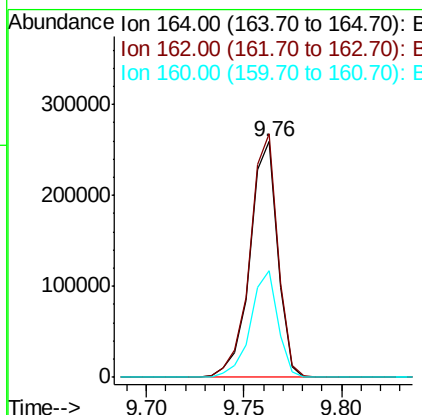
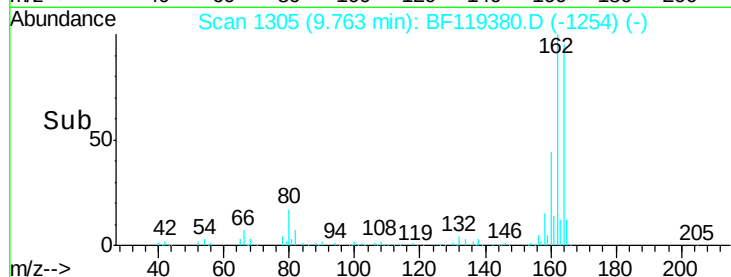
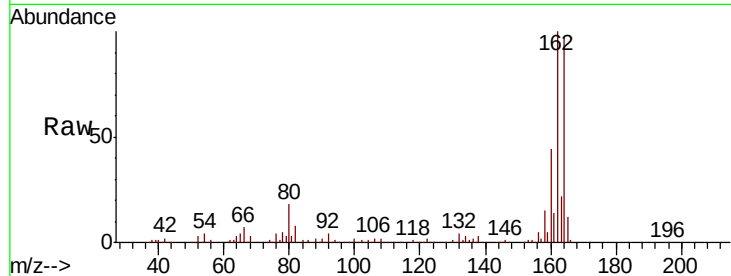
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	81.8	122.8
160	45.4	36.0	54.0

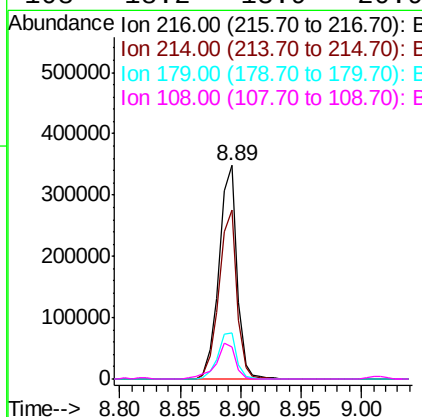
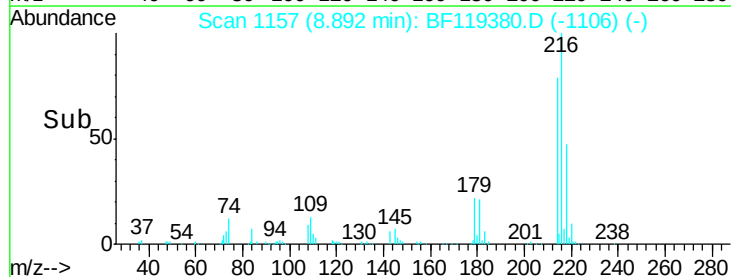
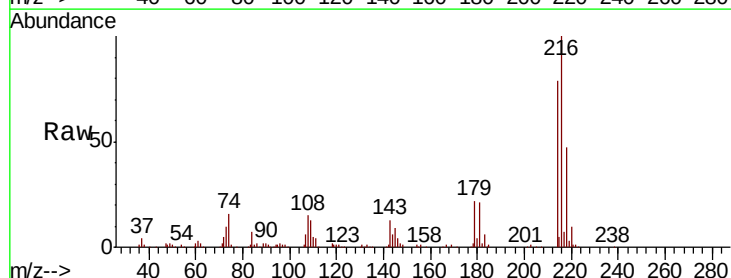
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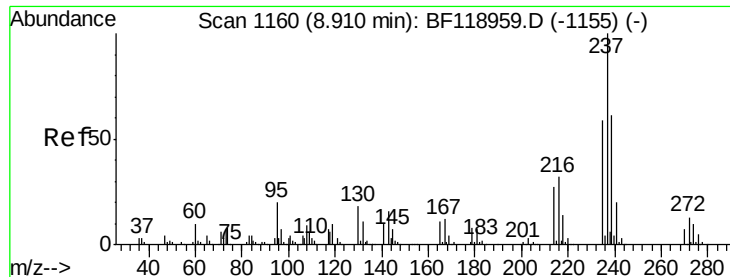
mohammad
3/16/2020 1:47:21 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.353 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.3	94.9
179	22.2	17.7	26.5
108	18.2	13.9	20.9





#41

Hexachlorocyclopentadiene

Concen: 48.364 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

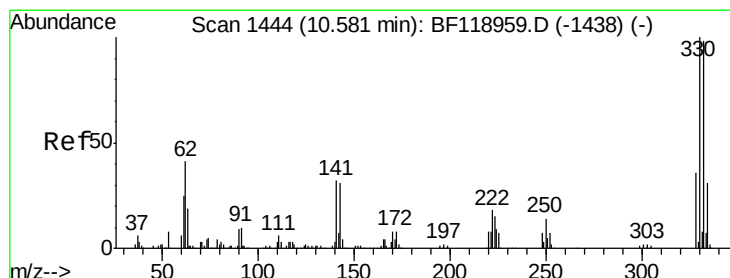
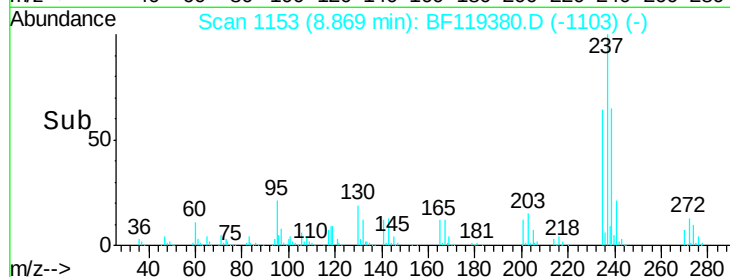
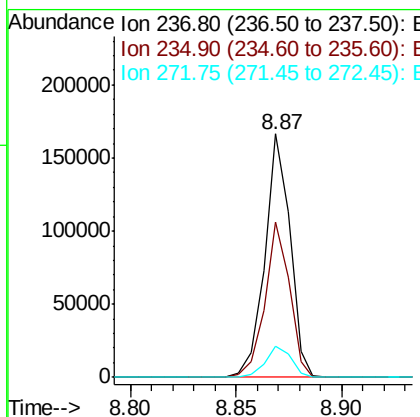
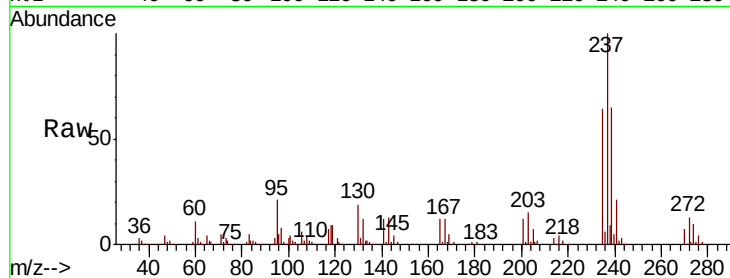
ClientSampleId :

OK-03-031020MSD

Tot Ion:	237	Resp:	138428
Ion Ratio	Lower	Upper	
237	100		
235	63.7	42.3	82.3
272	12.9	0.0	33.5

Manual Integrations
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#42

2,4,6-Tribromophenol

Concen: 119.859 ng

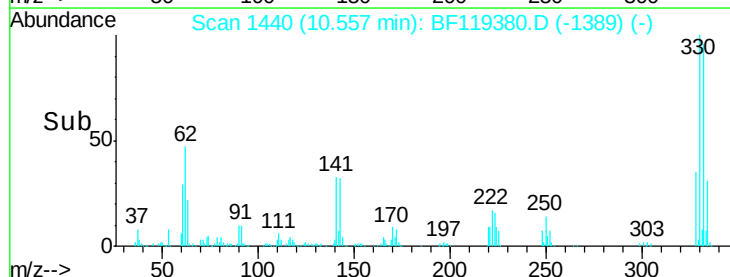
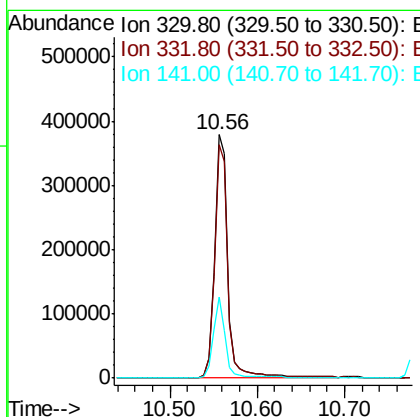
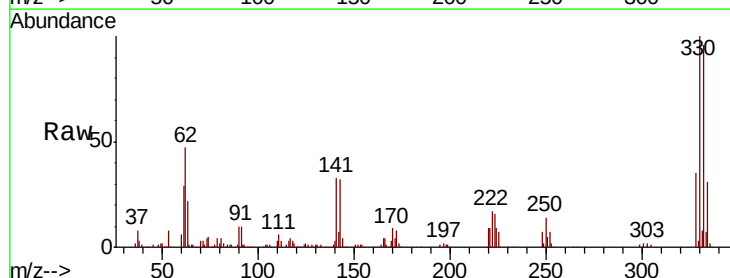
RT: 10.56 min Scan# 1440

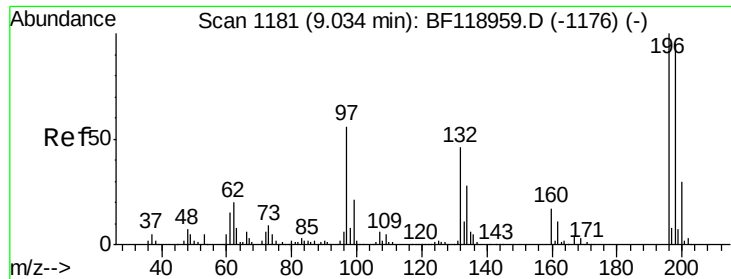
Delta R.T. 0.00 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:	330	Resp:	400543
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.0	114.0
141	29.6	22.9	34.3





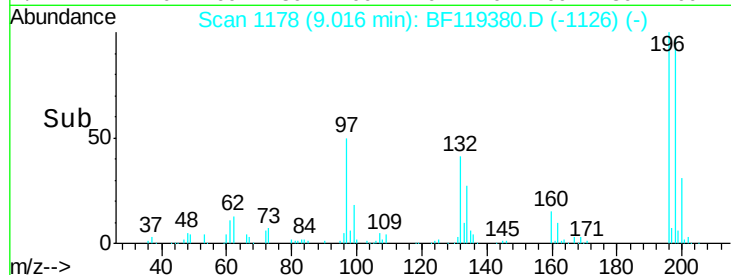
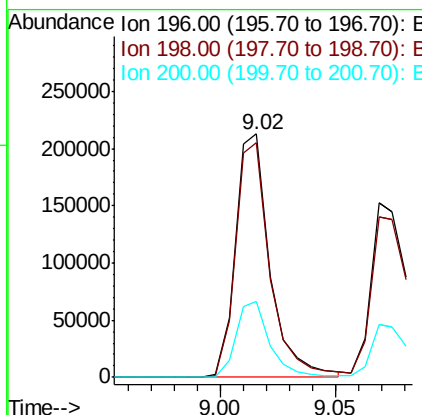
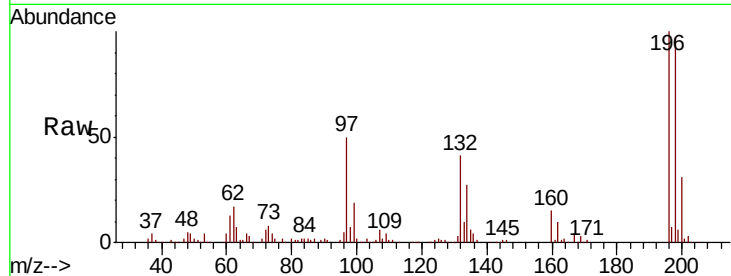
#43
 2,4,6-Trichlorophenol
 Concen: 40.826 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-031020MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	222050		
198	96.5	77.1	115.7	
200	31.1	25.0	37.6	

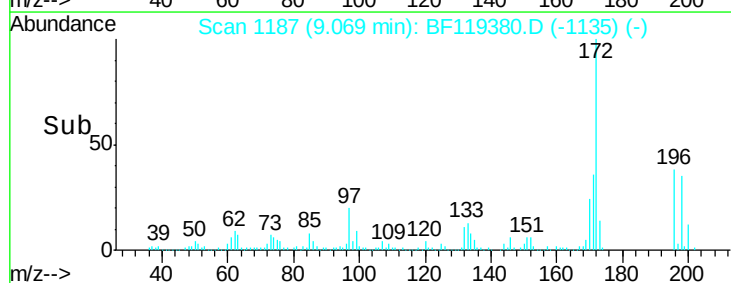
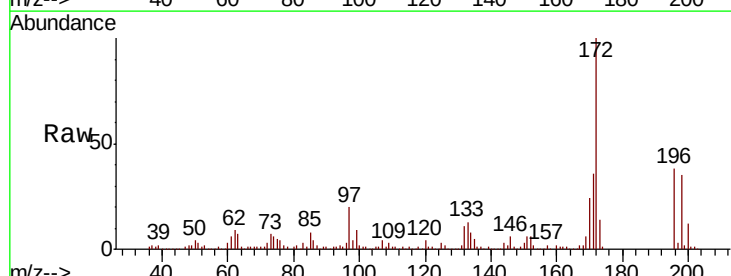
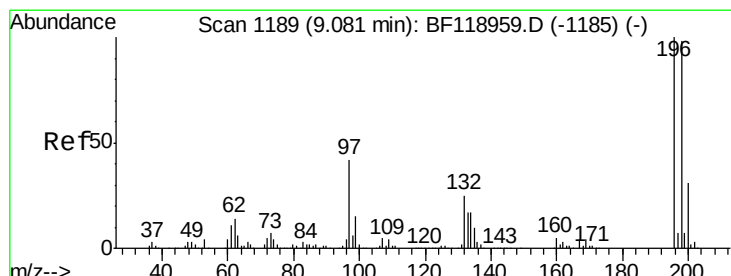
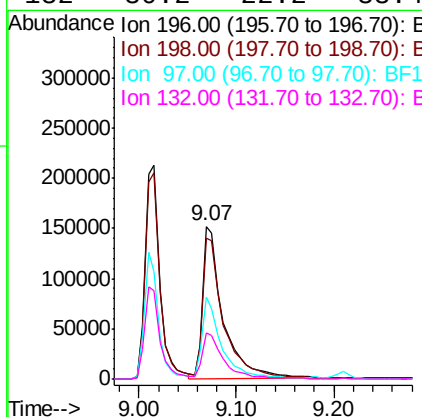
Manual Integrations
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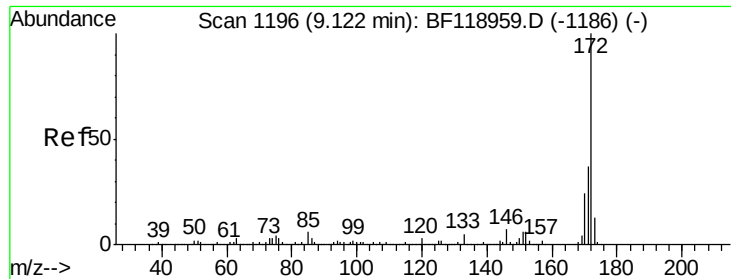
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#44
 2,4,5-Trichlorophenol
 Concen: 38.372 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	219003		
198	92.4	76.8	115.2	
97	53.5	38.5	57.7	
132	30.2	22.2	33.4	





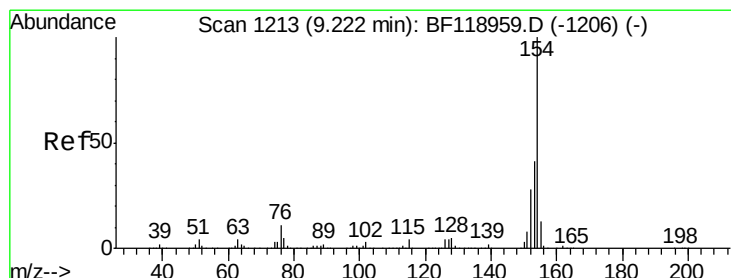
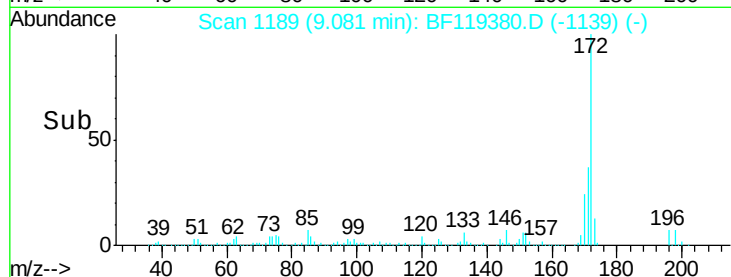
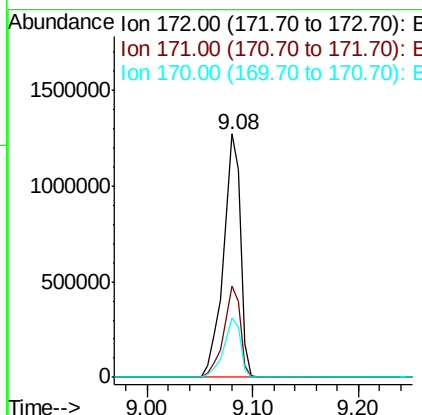
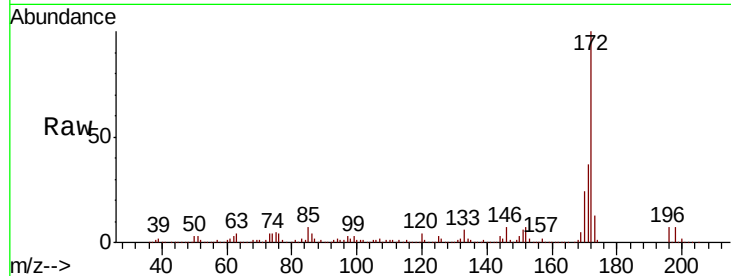
#45
2-Fluorobiphenyl
Concen: 82.365 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.6	45.8
170	24.3	20.2	30.2

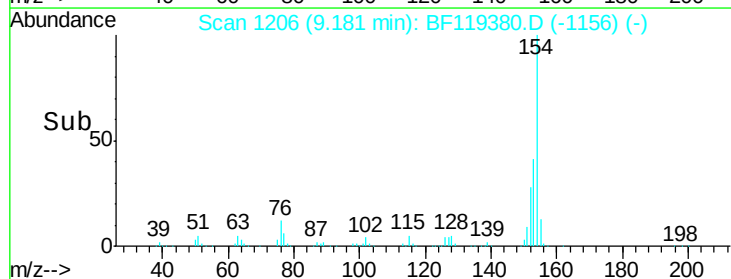
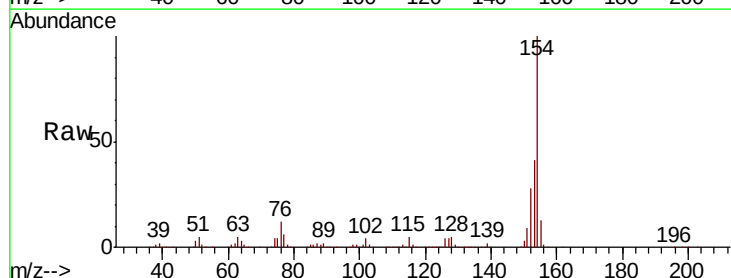
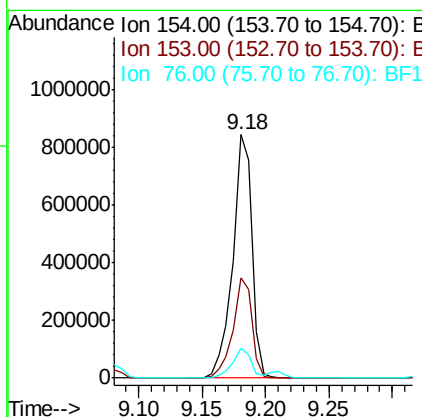
Manual Integrations
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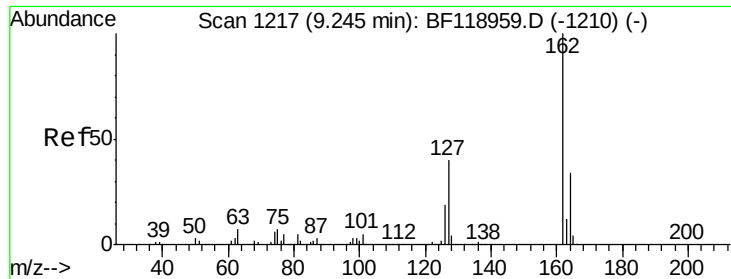
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#46
1,1'-Biphenyl
Concen: 42.223 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	22.8	62.8
76	12.4	0.0	32.2





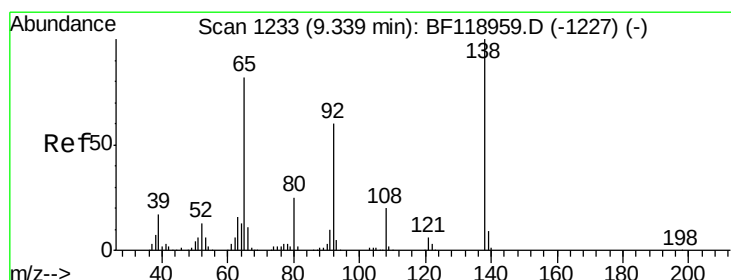
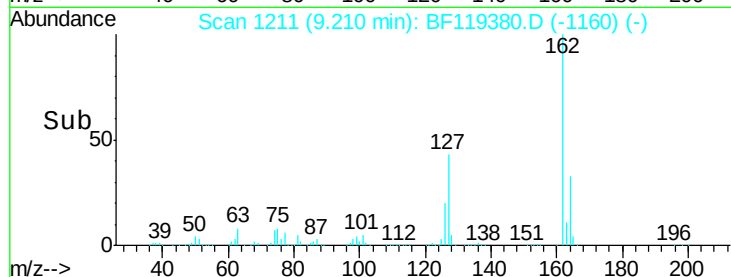
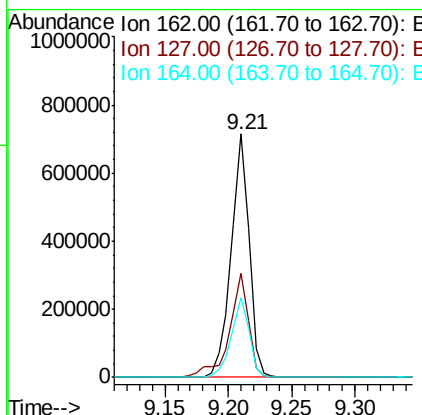
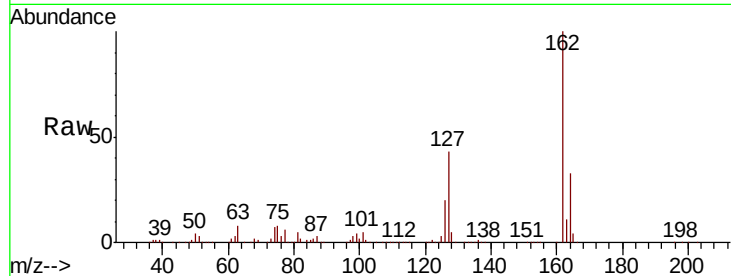
#47
2-Chloronaphthalene
Concen: 41.982 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	698485		
127	42.7		35.0	52.4
164	32.8		27.2	40.8

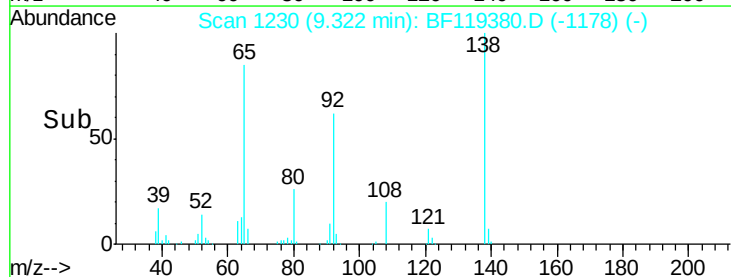
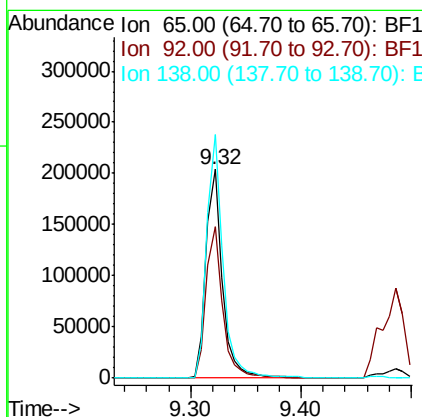
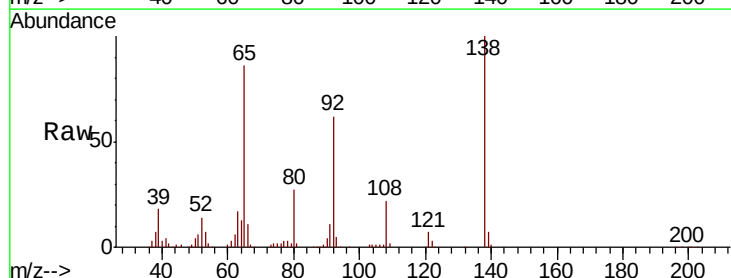
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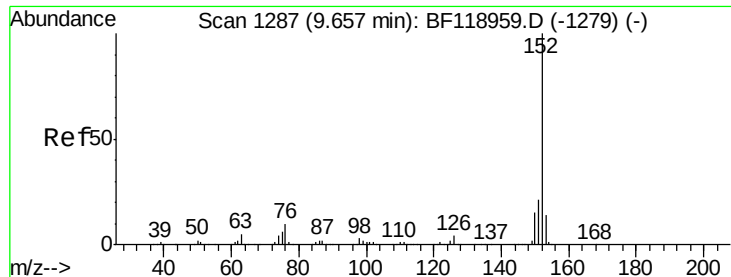
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#48
2-Nitroaniline
Concen: 44.344 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	205778		
92	72.2		58.2	87.2
138	116.6		95.6	143.4





#49

Acenaphthylene

Concen: 43.254 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.00 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

ClientSampleId :

OK-03-031020MSD

Tot Ion:152 Resp: 1039373

Ion Ratio Lower Upper

152 100

151 20.6 16.9 25.3

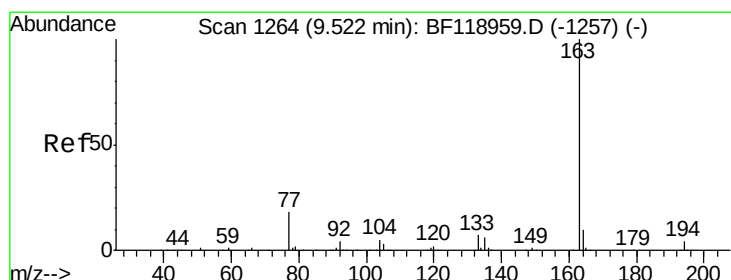
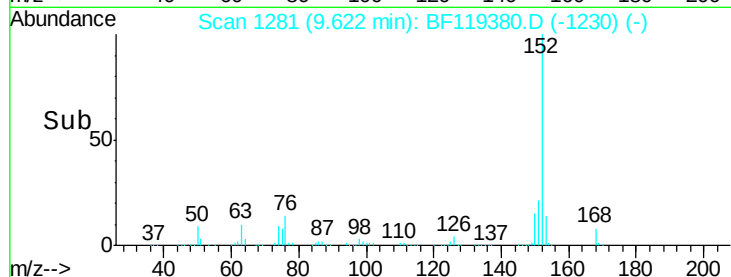
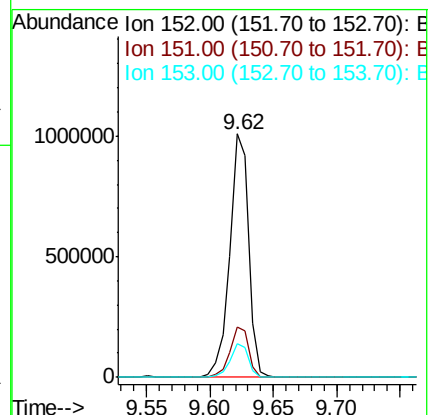
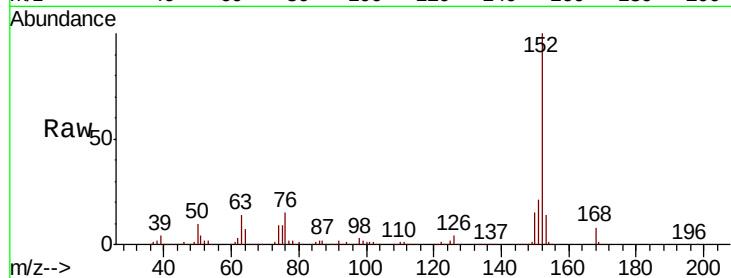
153 13.7 11.0 16.6

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#50

Dimethylphthalate

Concen: 44.026 ng

RT: 9.49 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

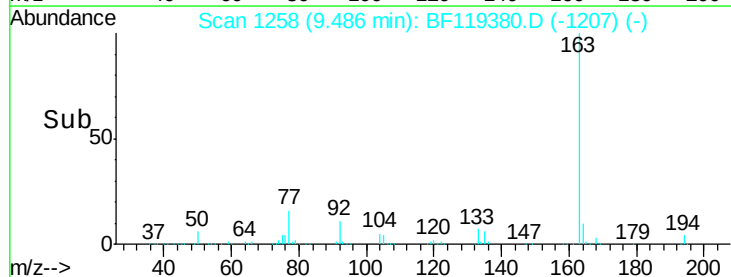
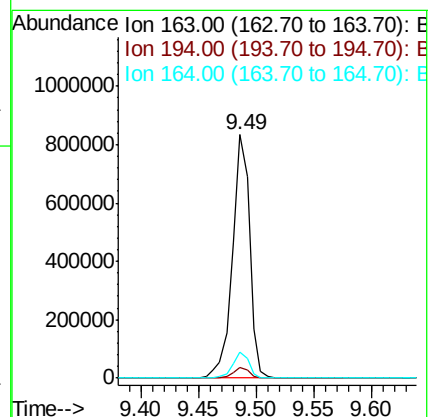
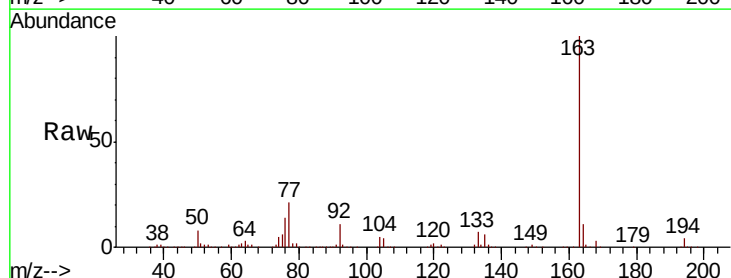
Tgt Ion:163 Resp: 860005

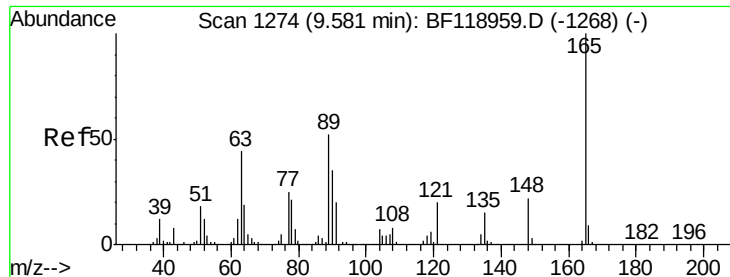
Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

164 10.5 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 43.368 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

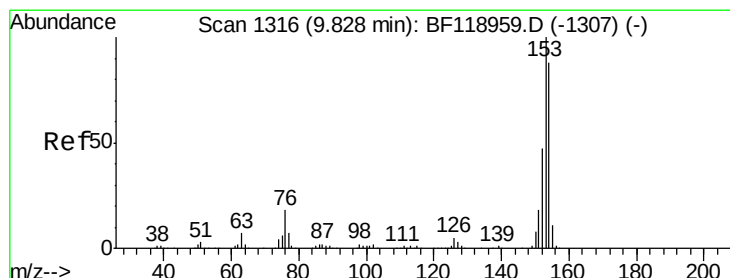
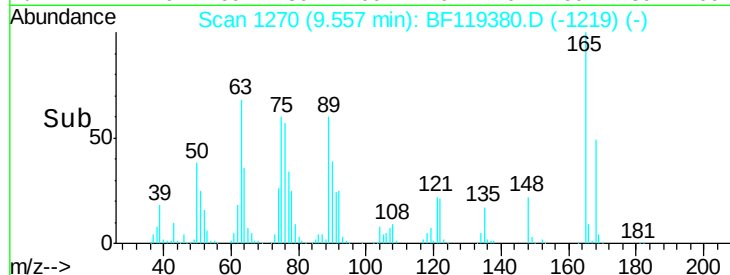
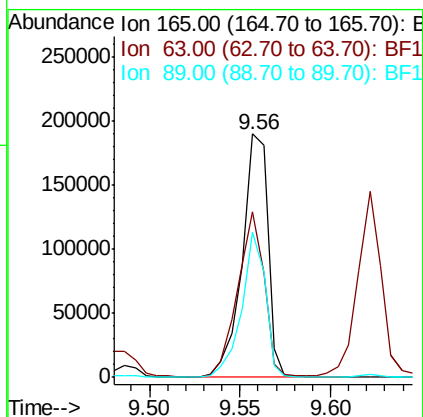
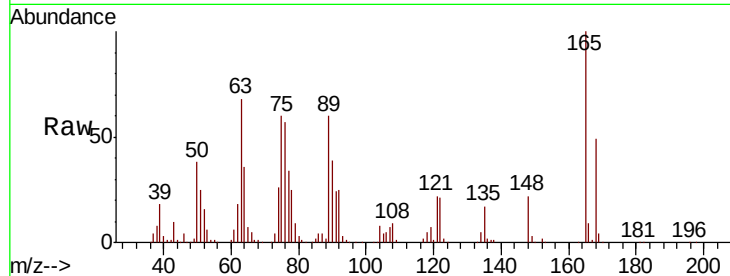
ClientSampleId :

OK-03-031020MSD

Tot Ion:	165	Resp:	188215
Ion Ratio		Lower	Upper
165	100		
63	67.8	34.3	51.5#
89	59.7	38.3	57.5#

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#52

Acenaphthene

Concen: 43.267 ng

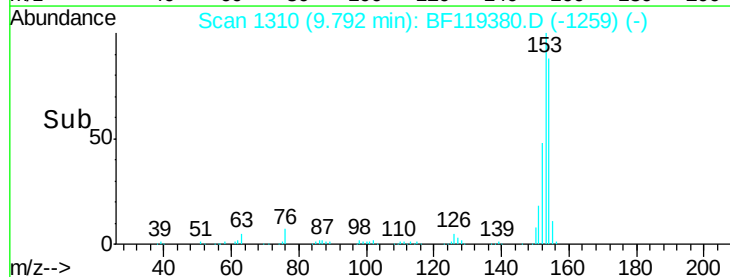
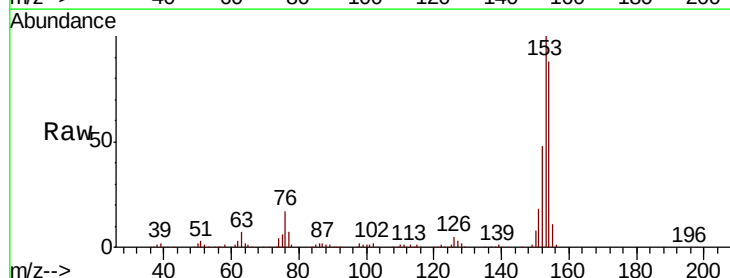
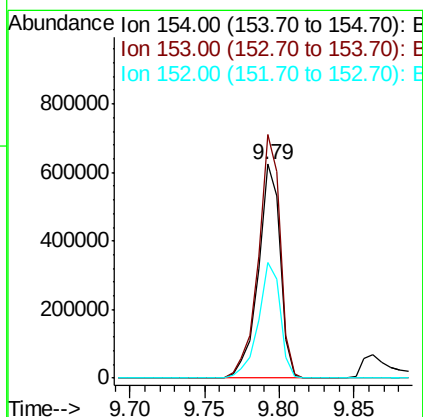
RT: 9.79 min Scan# 1310

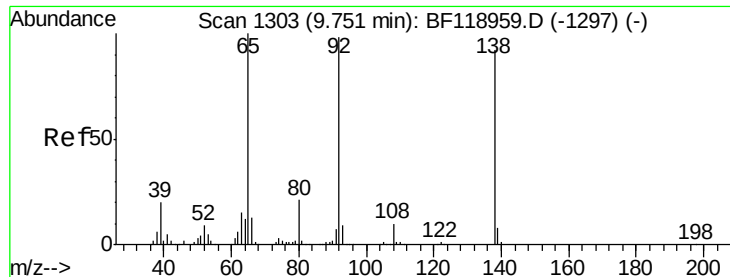
Delta R.T. 0.00 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:	154	Resp:	626918
Ion Ratio		Lower	Upper
154	100		
153	113.8	90.3	135.5
152	54.3	43.8	65.8





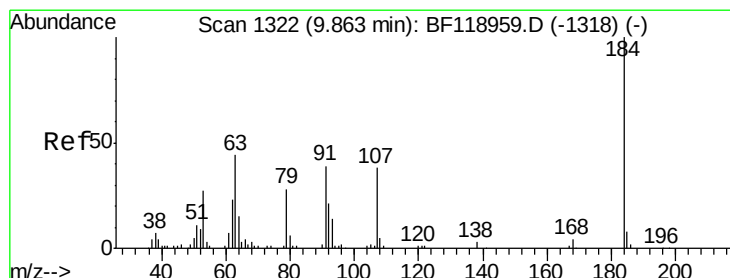
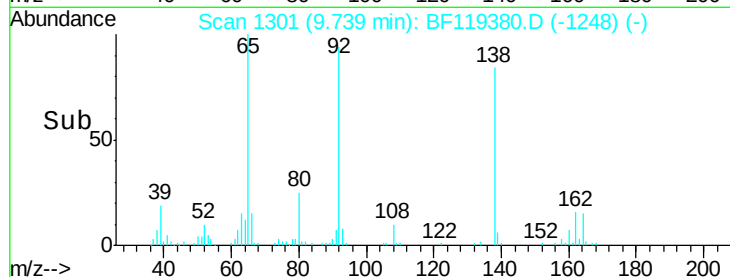
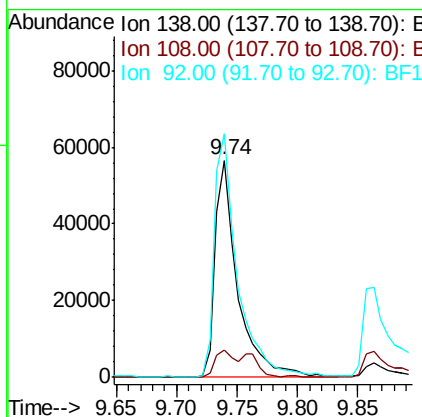
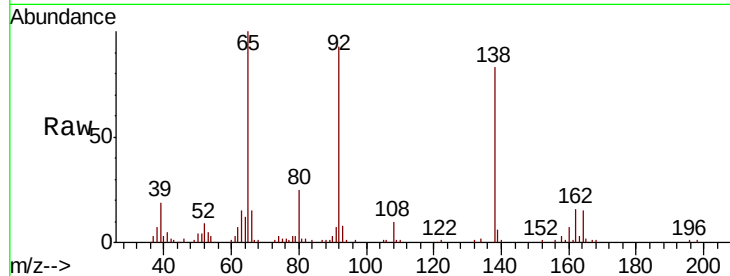
#53
 3-Nitroaniline
 Concen: 15.159 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.01 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	12.5	8.8	13.2
92	112.0	84.8	127.2

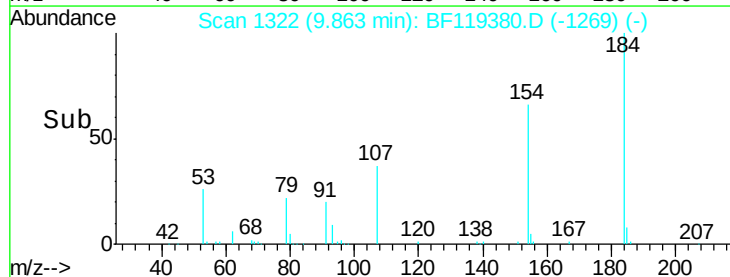
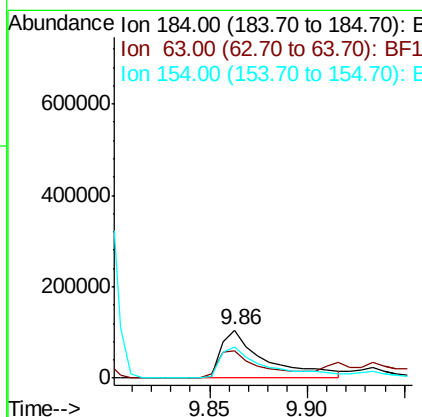
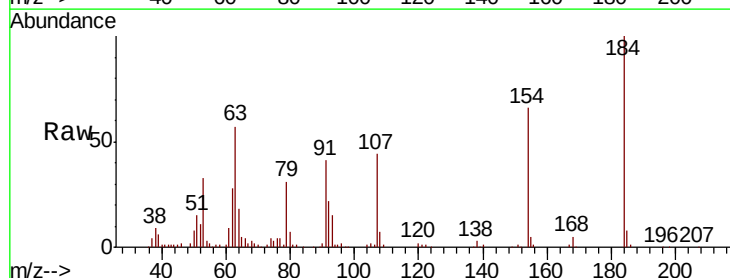
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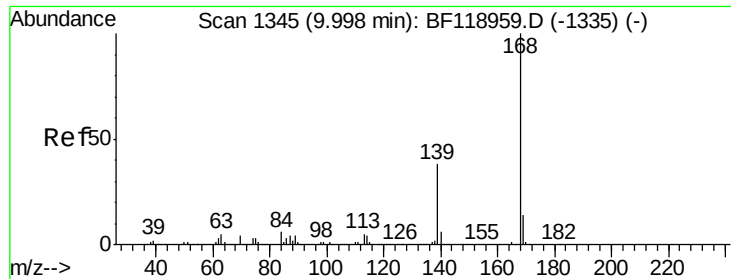
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#54
 2,4-Dinitrophenol
 Concen: 77.784 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
184	100		
63	56.6	38.7	58.1
154	66.2	49.7	74.5





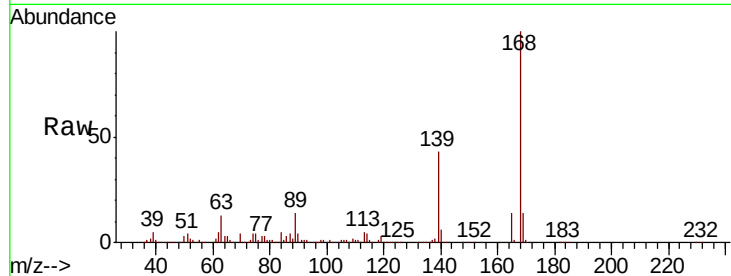
#55
Dibenzofuran
Concen: 43.455 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.8	34.0	51.0
169	13.6	11.0	16.4

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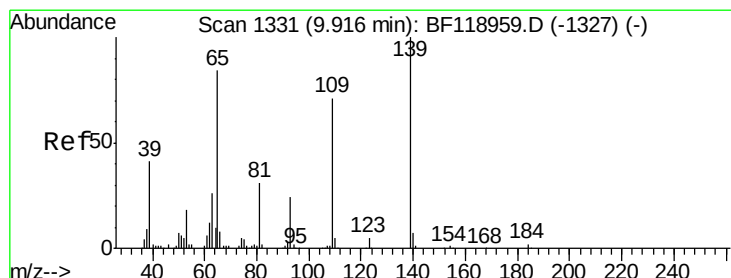
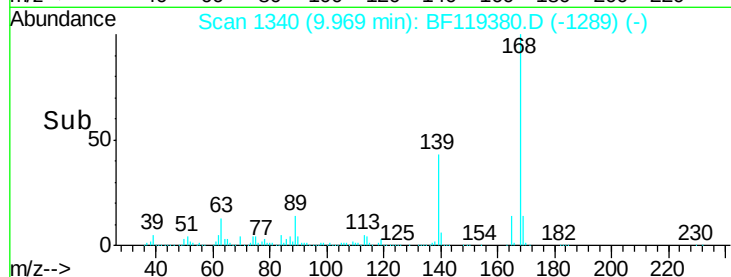
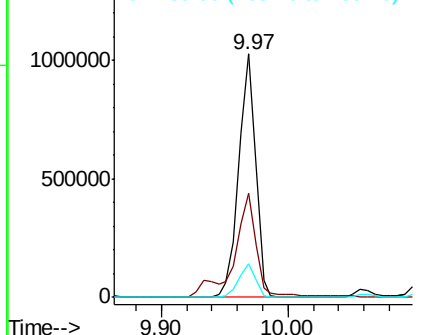


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 26.085 ng m
RT: 9.93 min Scan# 1334
Delta R.T. 0.02 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

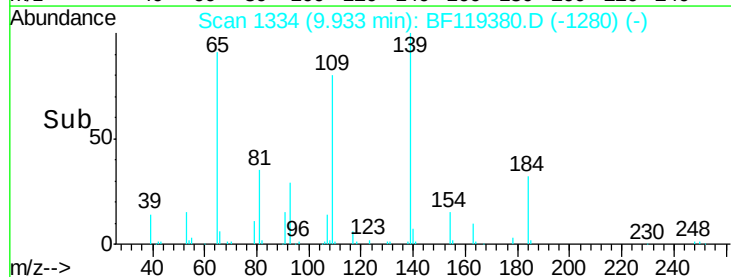
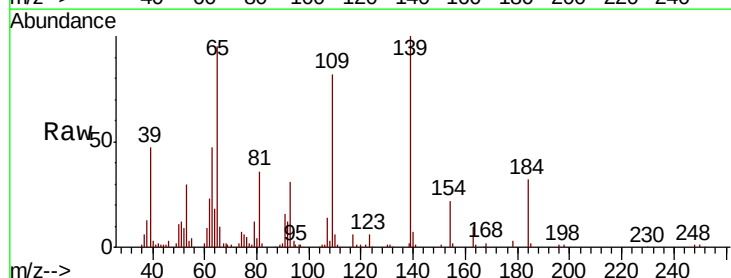
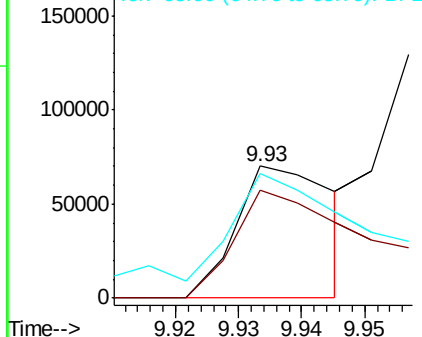
Tgt Ion	Ratio	Lower	Upper
139	100		
109	81.8	56.7	96.7
65	94.7	65.0	105.0

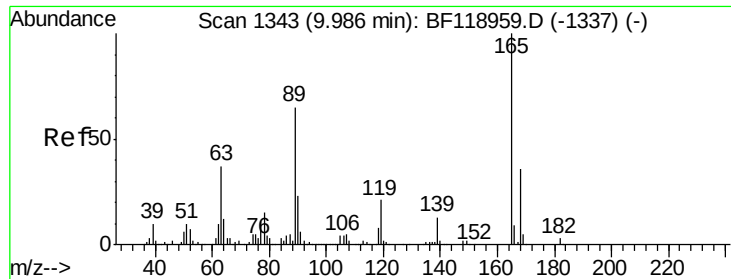
Abundance

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): BF1





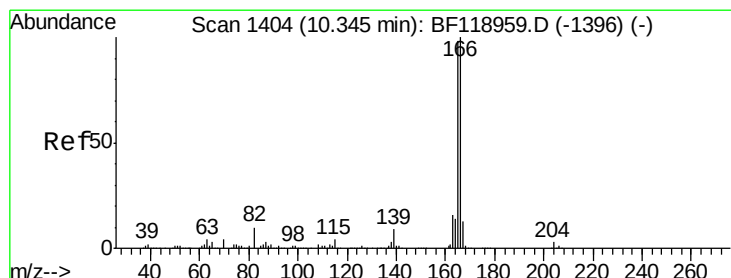
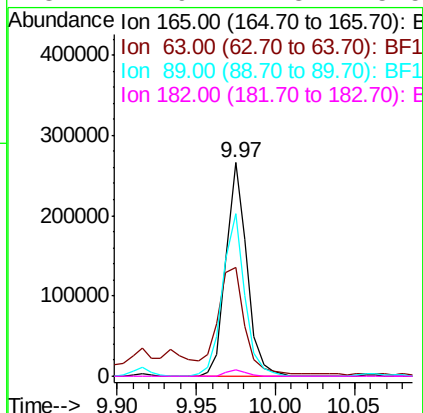
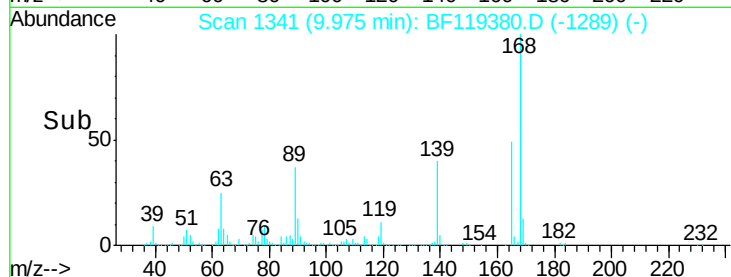
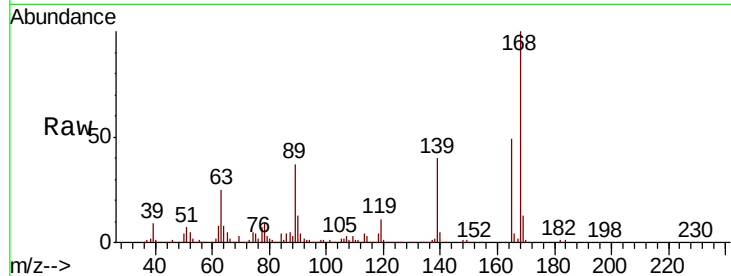
#57
 2,4-Dinitrotoluene
 Concen: 43.156 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-031020MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	242769		
63	50.9	42.3	63.5	
89	75.9	60.2	90.4	
182	2.9	2.3	3.5	

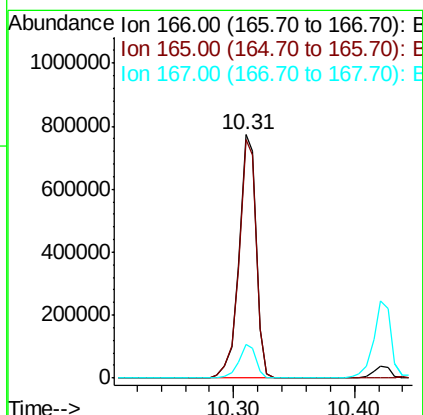
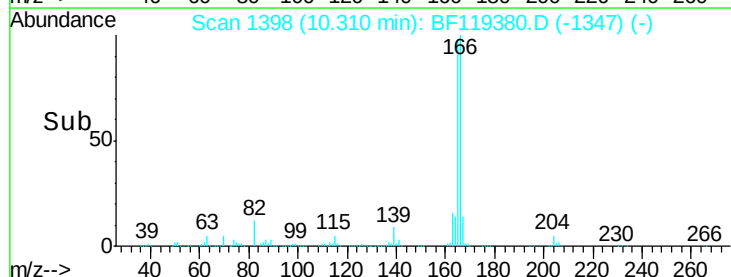
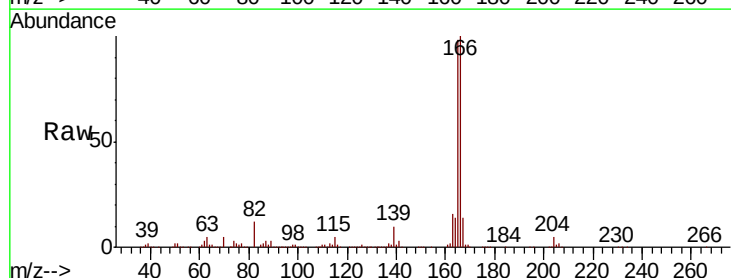
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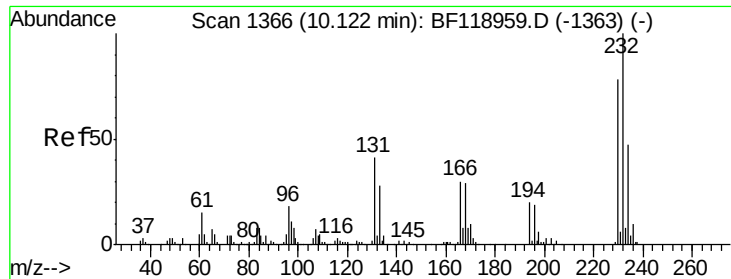
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#58
 Fluorene
 Concen: 45.499 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	764620		
165	97.7	78.5	117.7	
167	13.8	11.0	16.4	





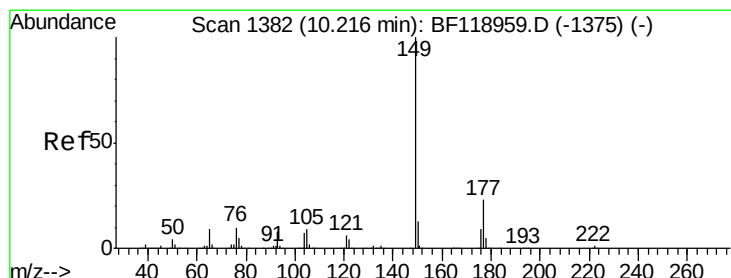
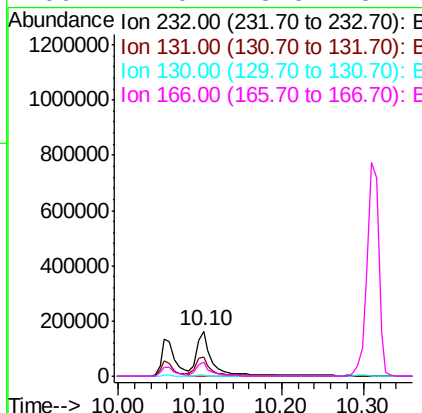
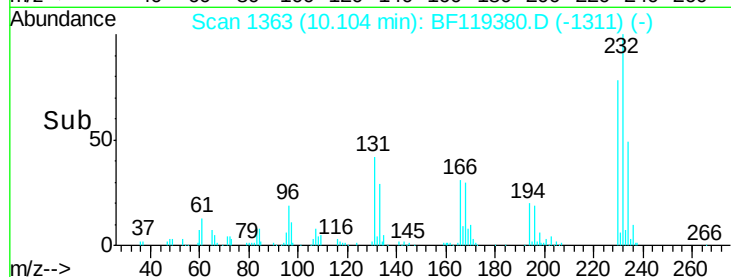
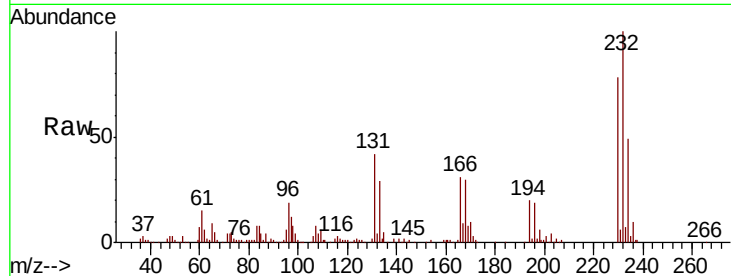
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 43.297 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-031020MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	208515		
131	39.3		33.8	50.8
130	2.4		1.8	2.6
166	27.0		23.0	34.4

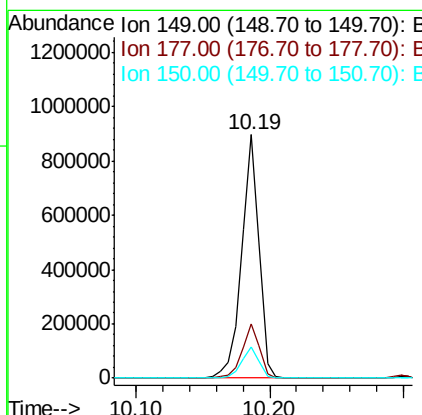
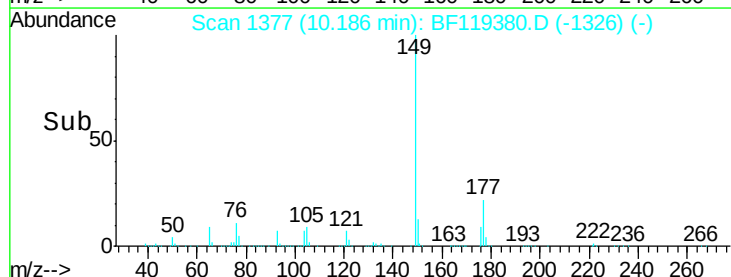
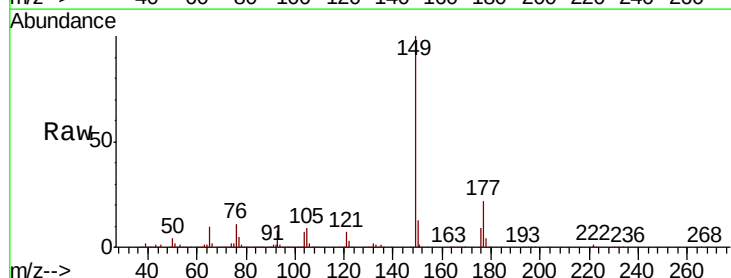
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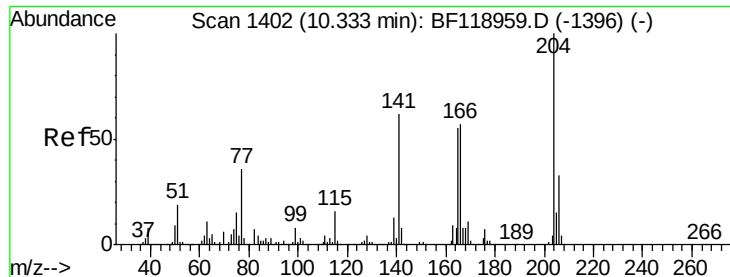
mohammad
 3/16/2020 1:47:21 PM



#60
 Diethylphthalate
 Concen: 44.027 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	810481		
177	22.4		18.2	27.2
150	12.8		10.5	15.7





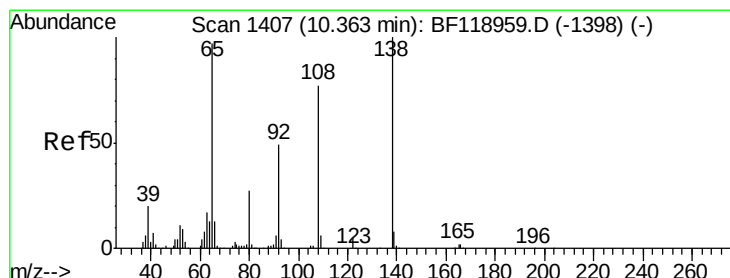
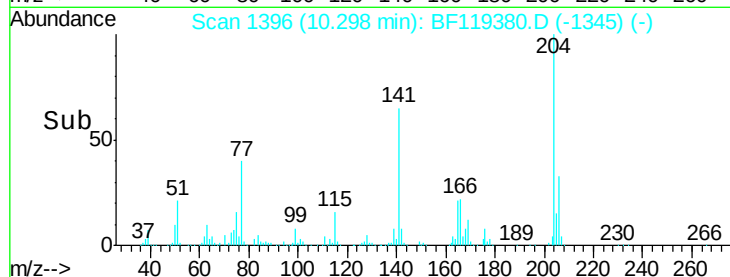
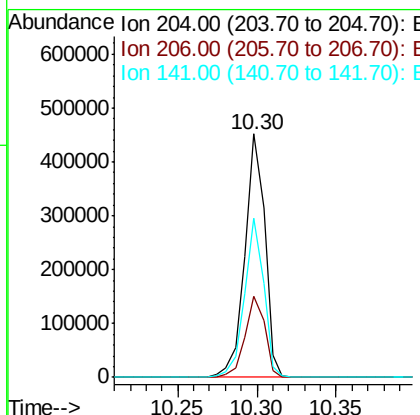
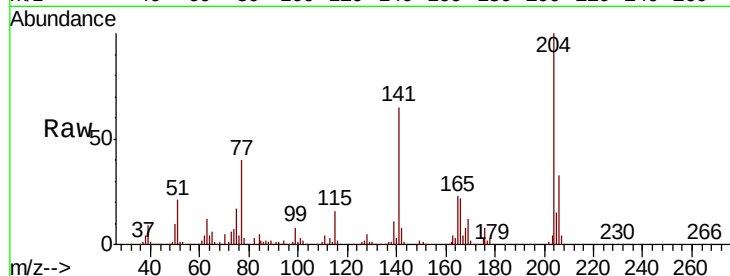
#61
4-Chlorophenyl-phenylether
Concen: 44.324 ng
RT: 10.30 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.3	27.1	40.7
141	65.3	52.9	79.3

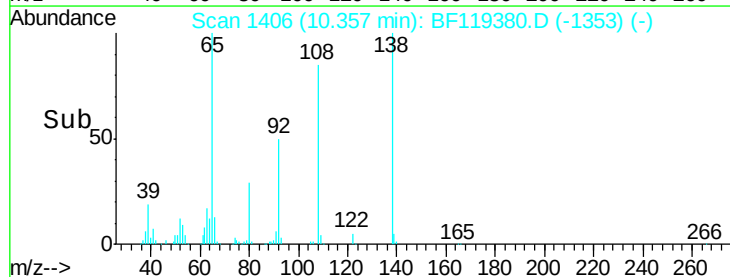
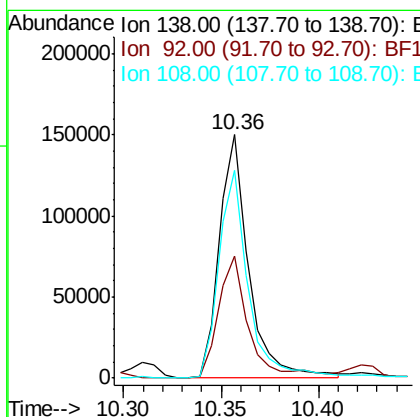
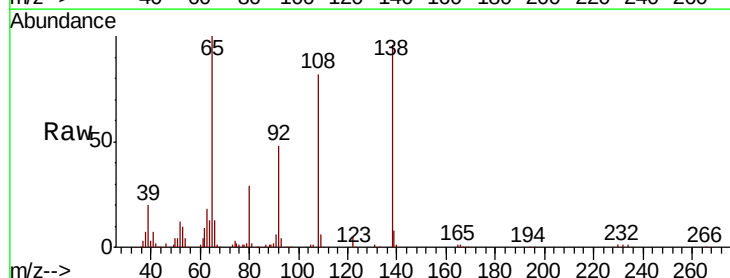
Manual Integrations
APPROVED

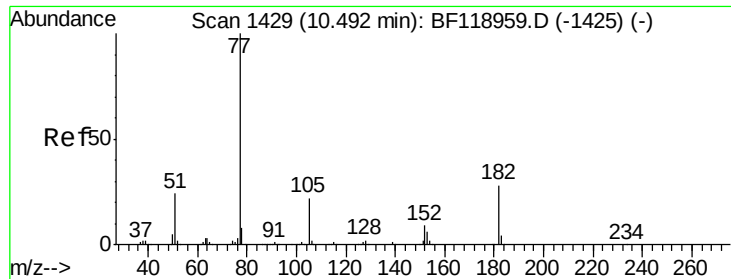
mohammad
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#62
4-Nitroaniline
Concen: 32.032 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.2	27.3	67.3
108	85.6	57.0	97.0





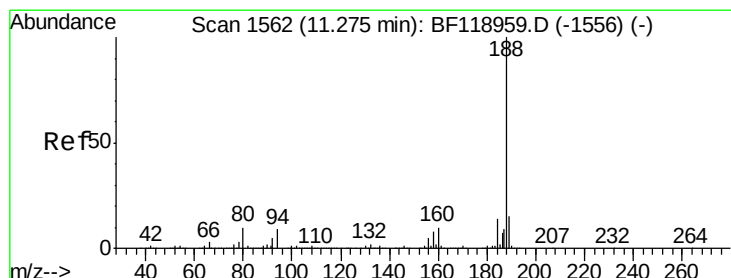
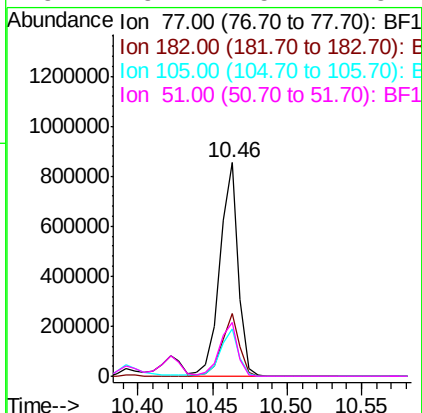
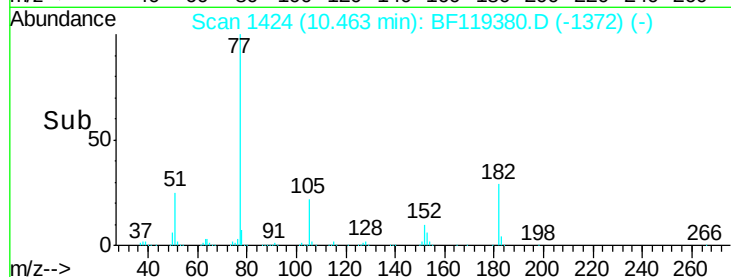
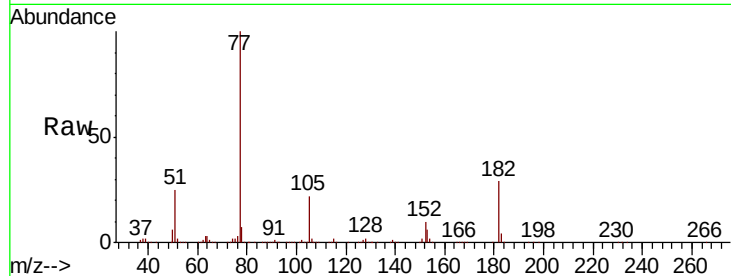
#63
Azobenzene
Concen: 46.153 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	29.1	11.4	51.4	
105	22.3	3.4	43.4	
51	25.4	5.1	45.1	

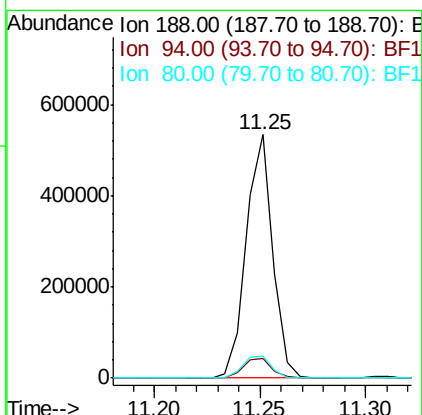
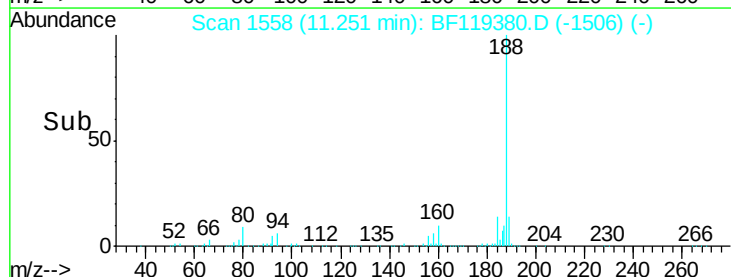
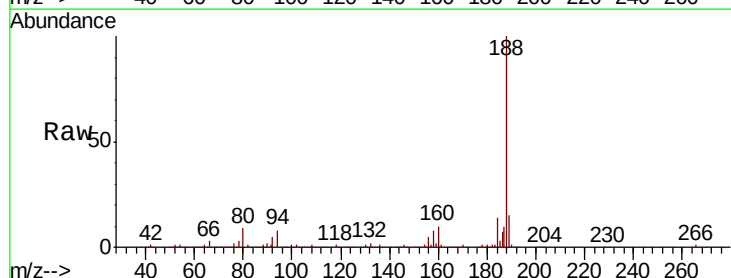
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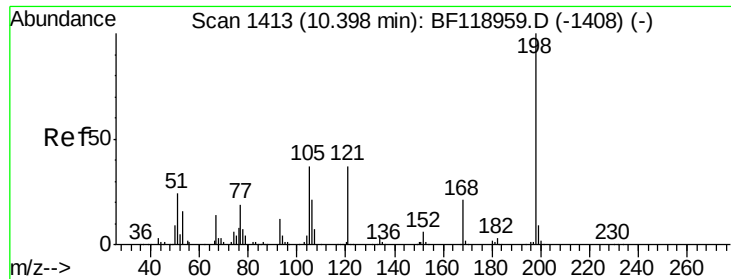
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.1	7.1	10.7	
80	9.0	7.8	11.8	





#65

4,6-Dinitro-2-methylphenol

Concen: 46.962 ng

RT: 10.39 min Scan# 1412

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

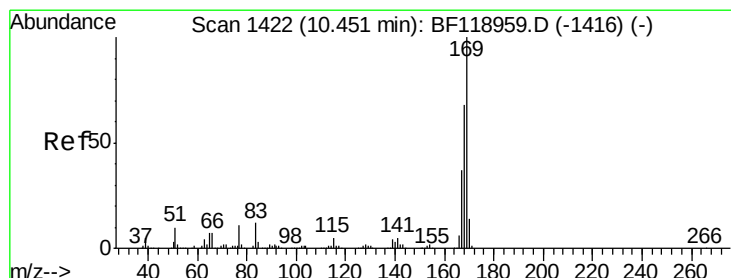
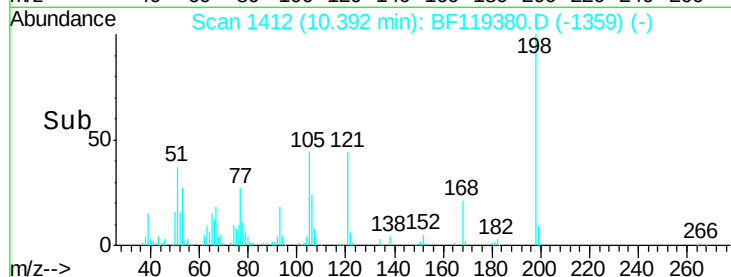
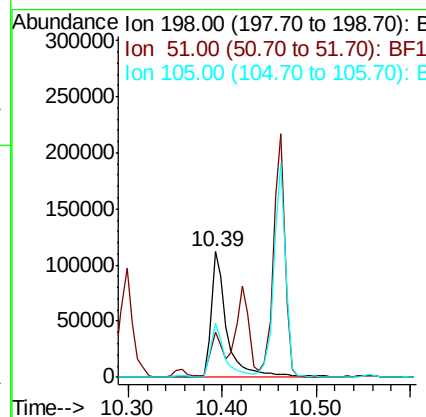
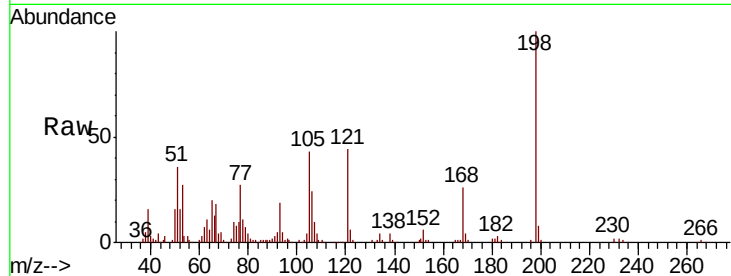
ClientSampleId :

OK-03-031020MSD

Tot Ion:	198	Resp:	132118
Ion Ratio	Lower	Upper	
198	100		
51	36.4	14.2	54.2
105	43.0	22.7	62.7

Manual Integrations
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#66

n-Nitrosodiphenylamine

Concen: 44.655 ng

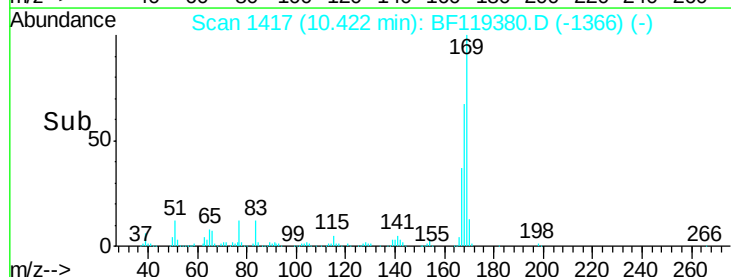
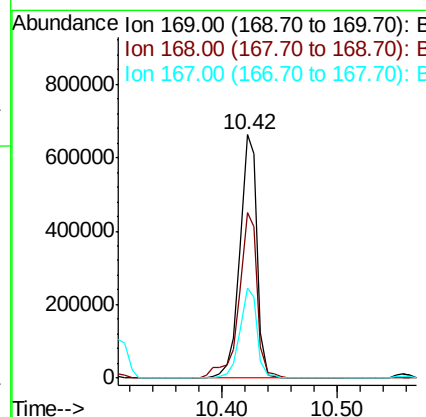
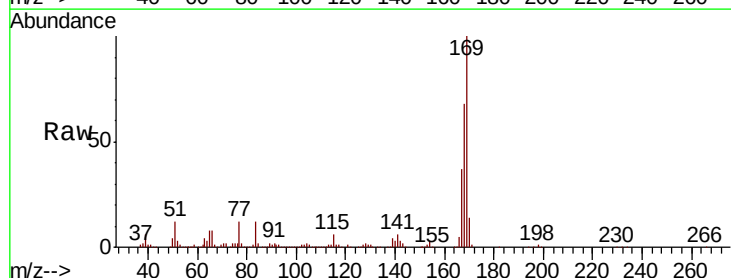
RT: 10.42 min Scan# 1417

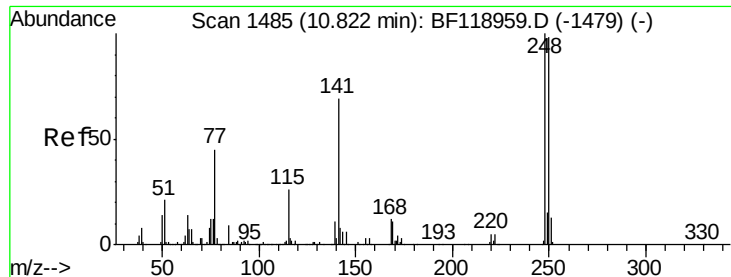
Delta R.T. 0.00 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:	169	Resp:	679785
Ion Ratio	Lower	Upper	
169	100		
168	68.1	54.1	81.1
167	37.1	29.4	44.0





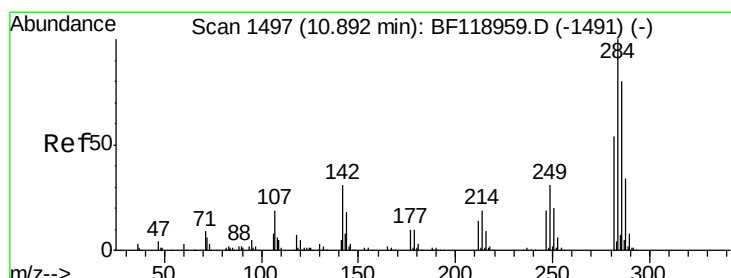
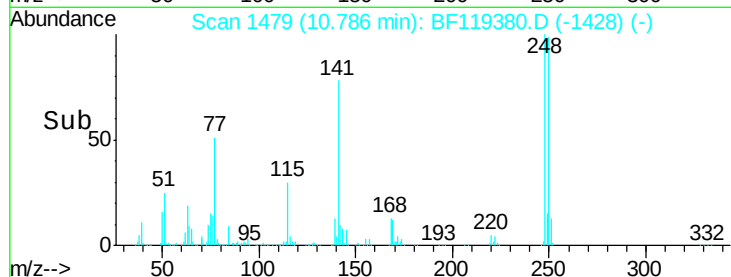
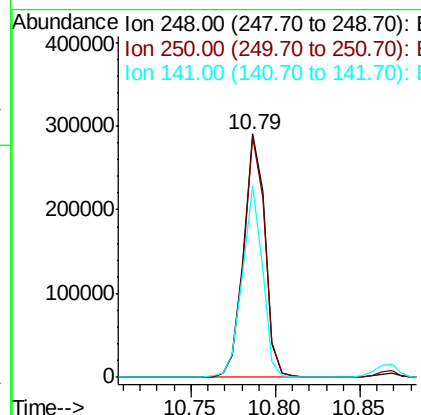
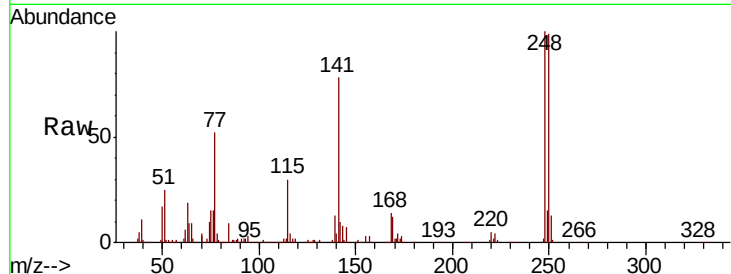
#67
4-Bromophenyl-phenylether
Concen: 42.329 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	99.2	76.7	115.1
141	78.3	60.7	91.1

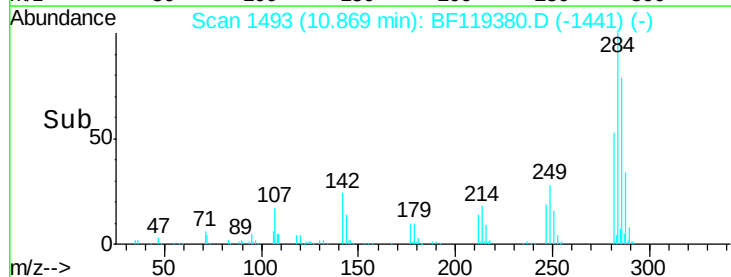
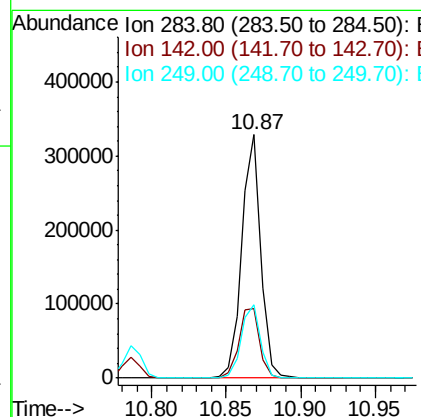
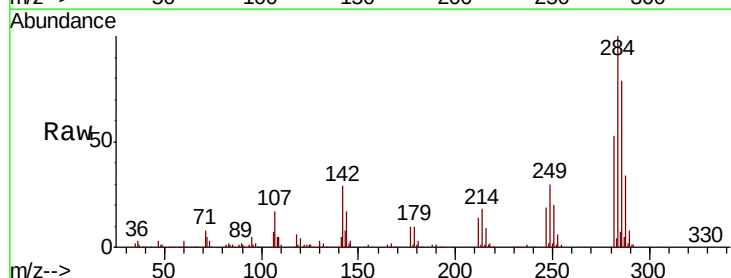
Manual Integrations
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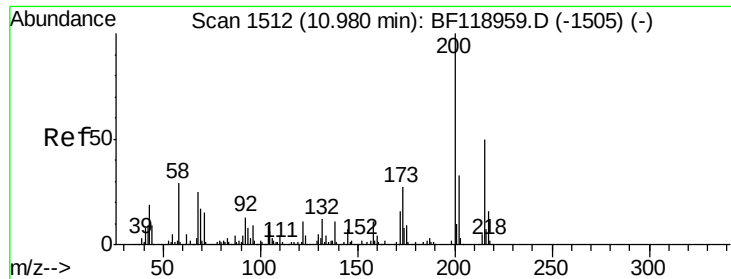
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#68
Hexachlorobenzene
Concen: 41.825 ng
RT: 10.87 min Scan# 1493
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.7	23.7	35.5
249	30.1	25.0	37.6





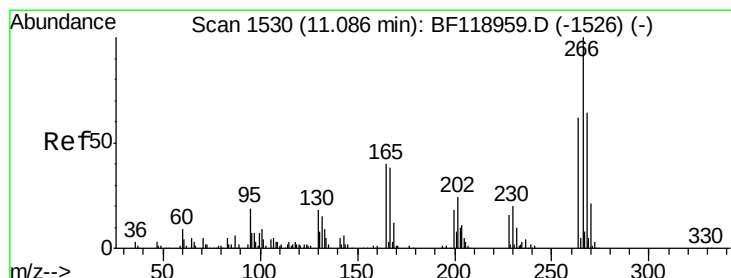
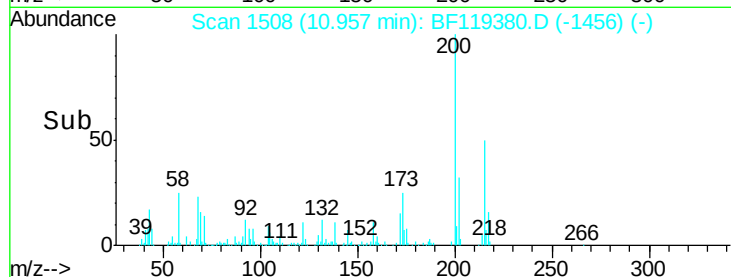
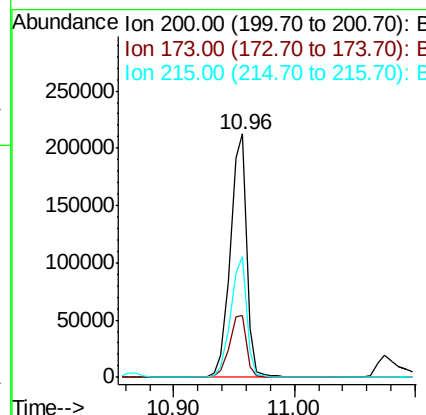
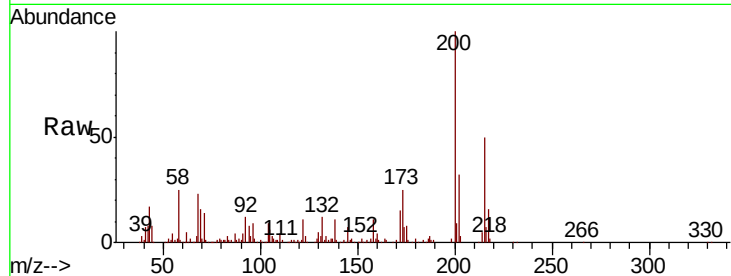
#69
Atrazine
Concen: 37.653 ng
RT: 10.96 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	200269		
173	25.2		6.4	46.4
215	49.7		27.4	67.4

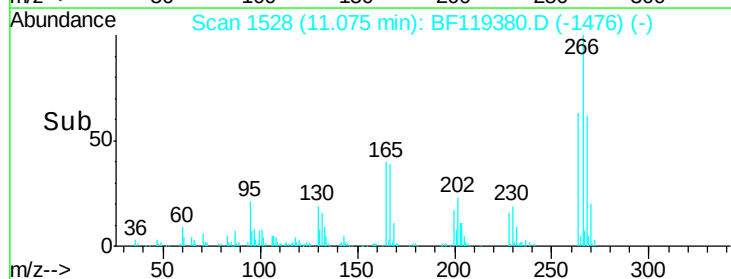
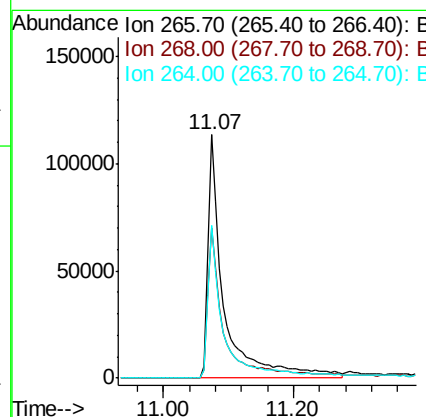
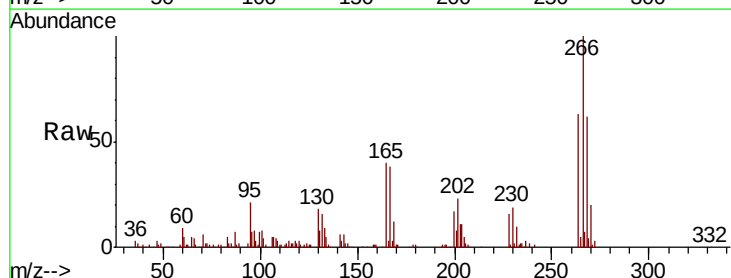
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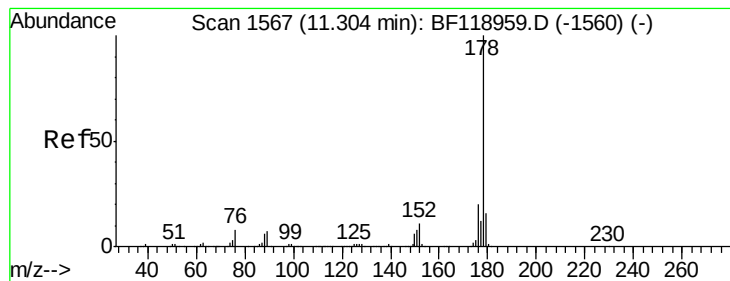
mohammad
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#70
Pentachlorophenol
Concen: 69.447 ng
RT: 11.07 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	196008		
268	61.9		51.9	77.9
264	62.6		51.0	76.4





#71

Phenanthrene

Concen: 43.897 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

ClientSampleId :

OK-03-031020MSD

Tot Ion:178 Resp: 1112985

Ion Ratio Lower Upper

178 100

176 20.0 16.5 24.7

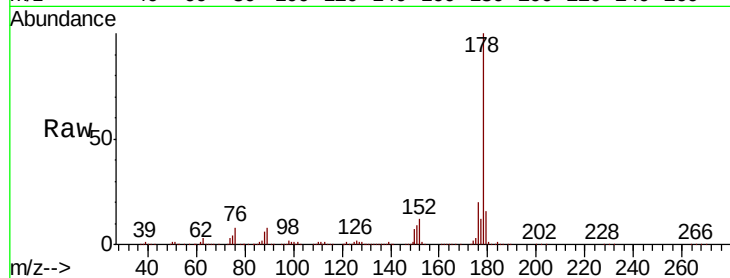
179 15.9 13.0 19.6

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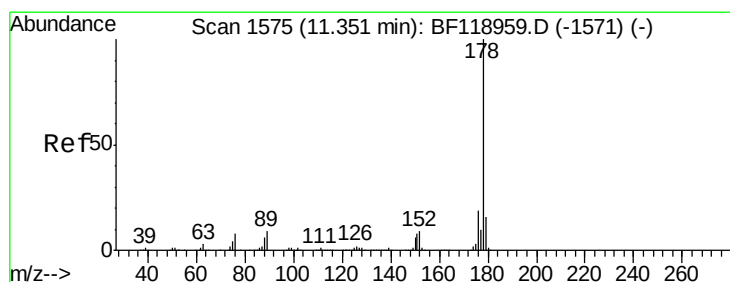
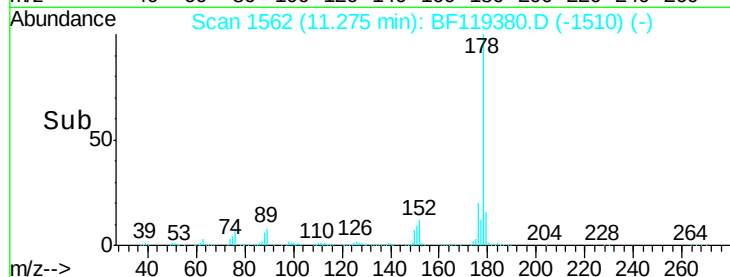
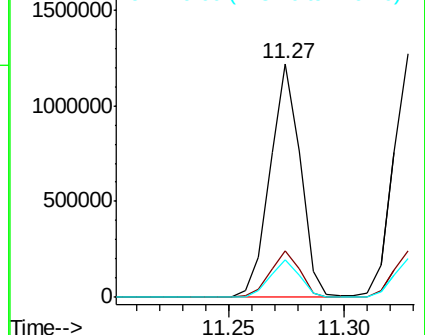
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 46.336 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:178 Resp: 1173828

Ion Ratio Lower Upper

178 100

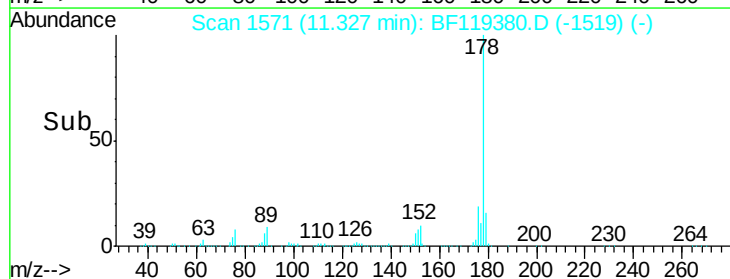
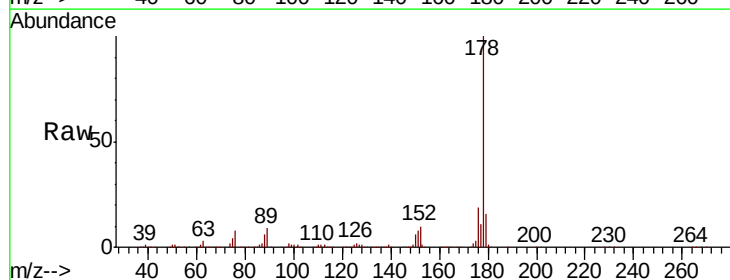
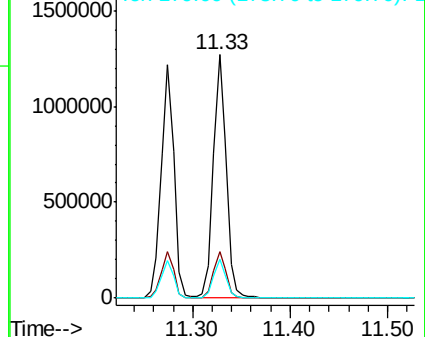
176 19.3 16.0 24.0

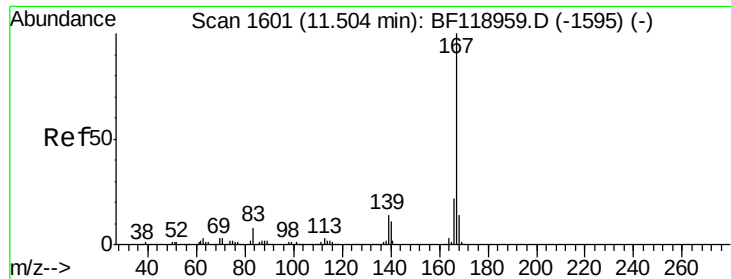
179 16.1 13.1 19.7

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





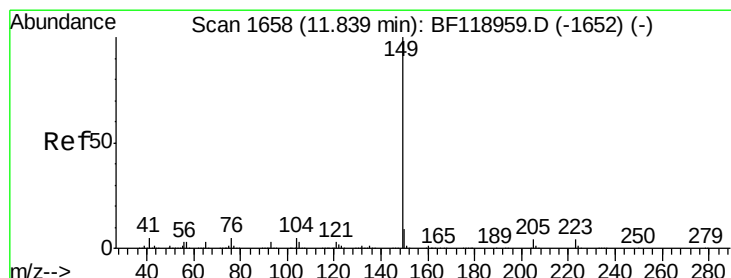
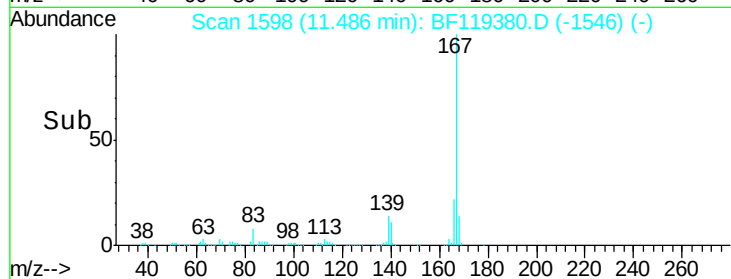
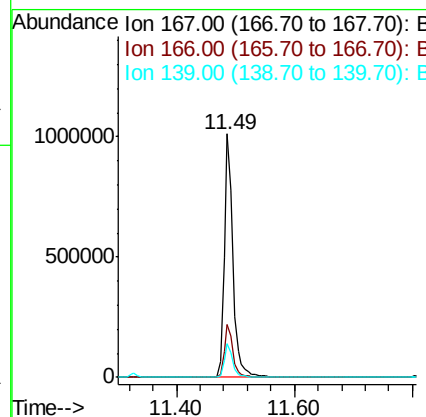
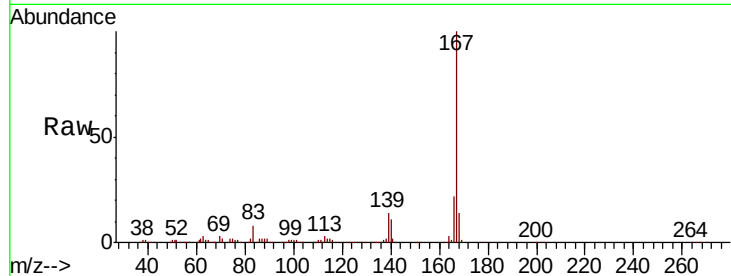
#73
 Carbazole
 Concen: 45.204 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.2	27.4
139	13.8	11.7	17.5

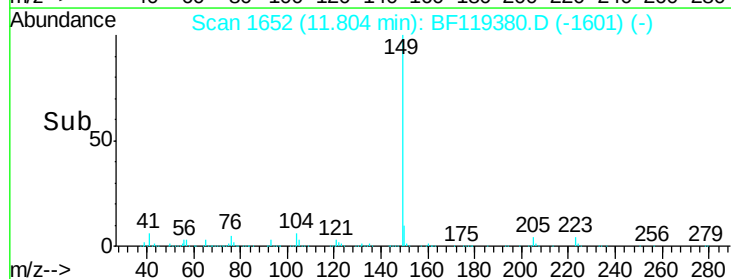
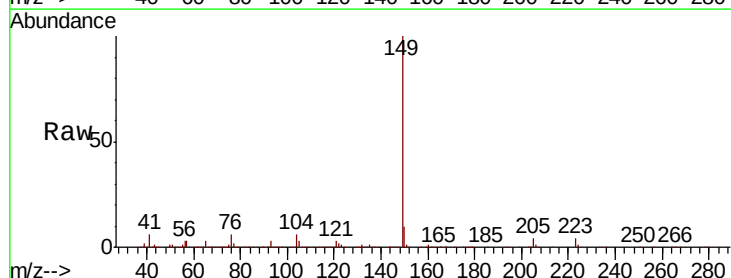
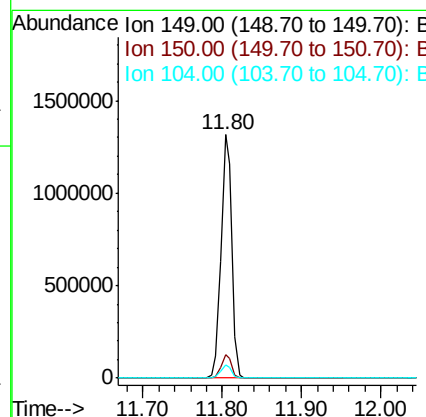
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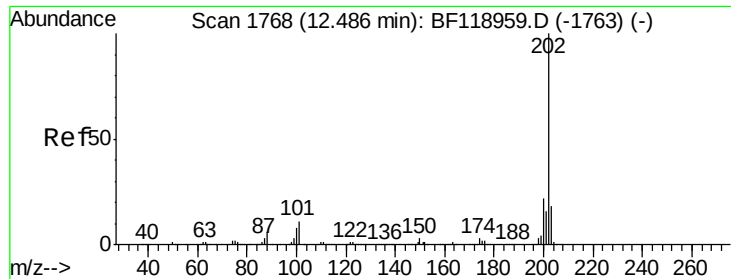
mohammad
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#74
 Di-n-butylphthalate
 Concen: 45.325 ng
 RT: 11.80 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BF119380.D
 Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.9	11.9
104	5.6	4.6	6.8





#75

Fluoranthene

Concen: 44.437 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

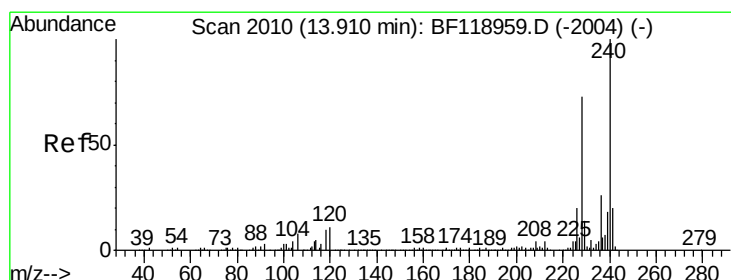
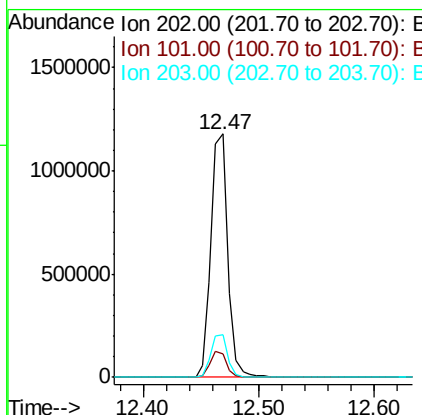
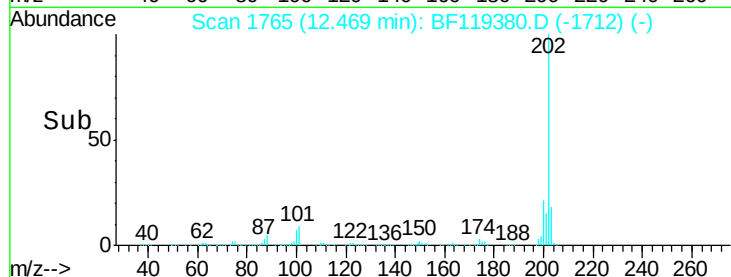
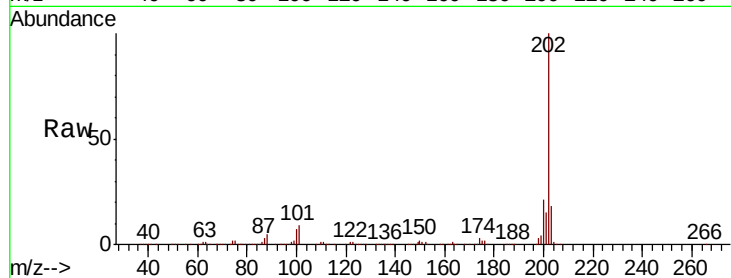
ClientSampleId :

OK-03-031020MSD

Tot Ion:	202	Resp:	1195914
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.3
203	17.7	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

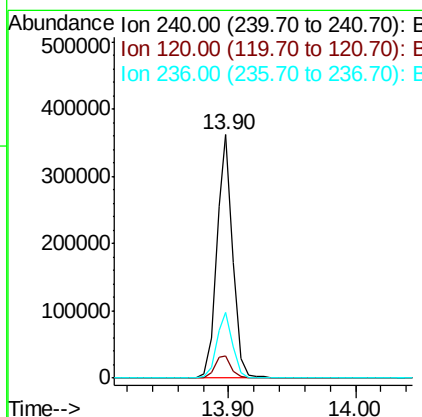
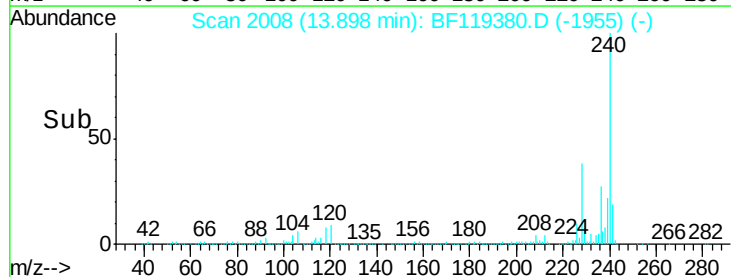
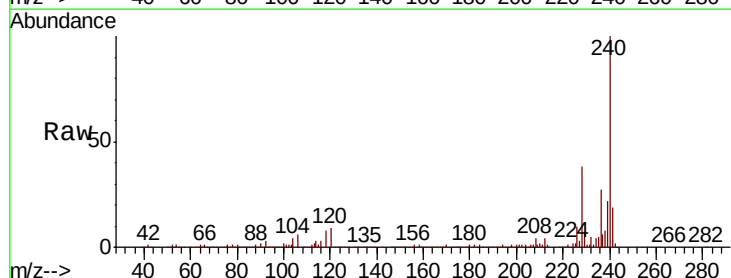
RT: 13.90 min Scan# 2008

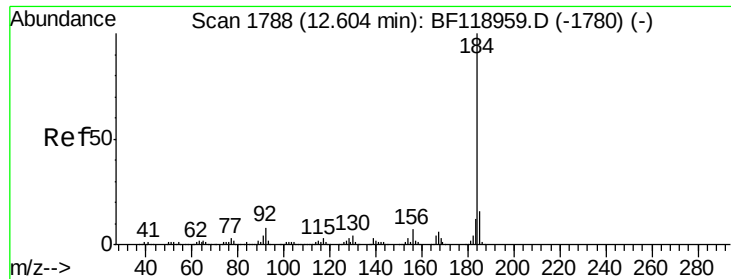
Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:	240	Resp:	317260
Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.4	12.6
236	27.1	21.0	31.4





#77

Benzidine

Concen: 11.893 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

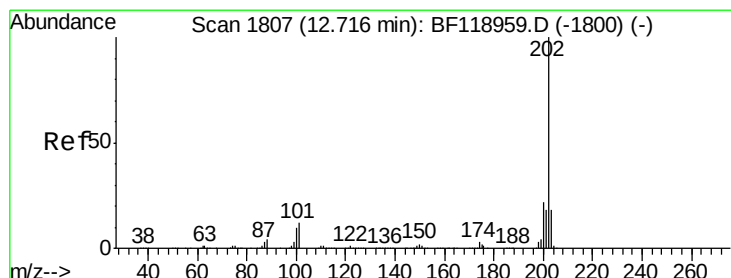
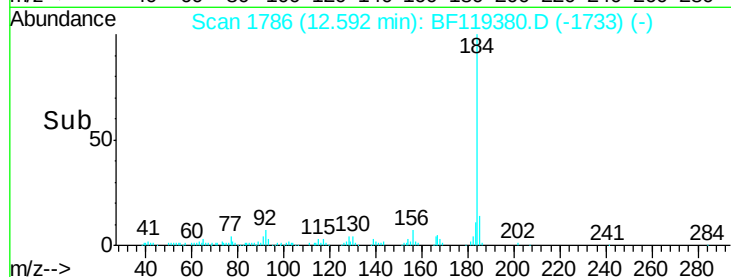
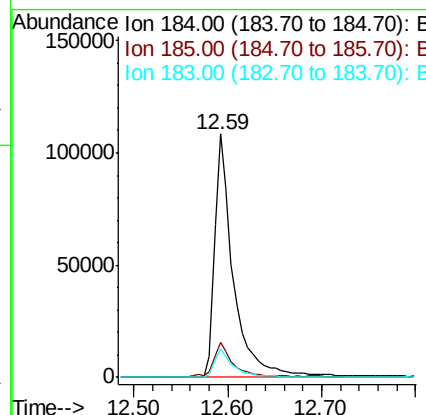
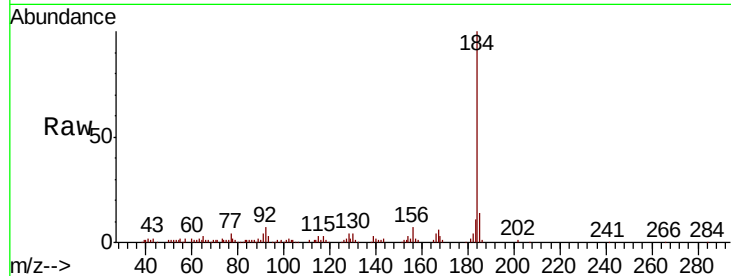
ClientSampleId :

OK-03-031020MSD

Tot Ion:	184	Resp:	153448
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.2	18.4
183	11.5	9.9	14.9

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#78

Pyrene

Concen: 46.304 ng

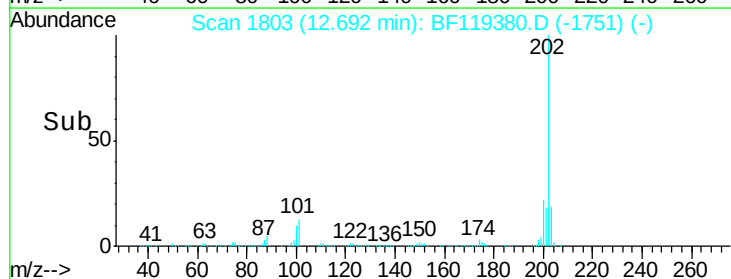
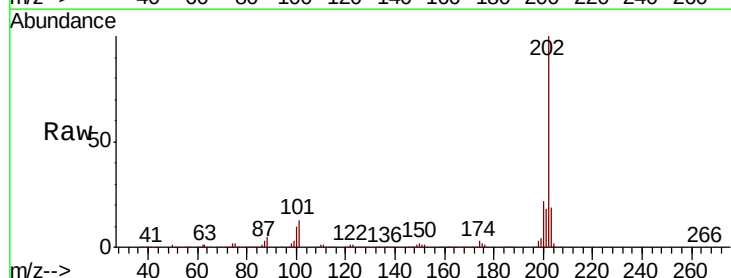
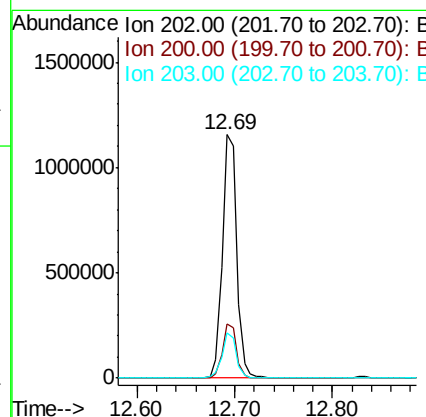
RT: 12.69 min Scan# 1803

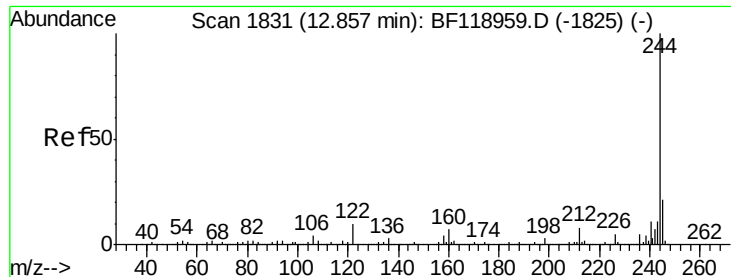
Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:	202	Resp:	1179625
Ion Ratio	Lower	Upper	
202	100		
200	22.0	18.0	27.0
203	18.7	14.6	22.0





#79

Terphenyl-d14

Concen: 97.104 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

ClientSampleId :

OK-03-031020MSD

Tot Ion:244 Resp: 1789380

Ion Ratio Lower Upper

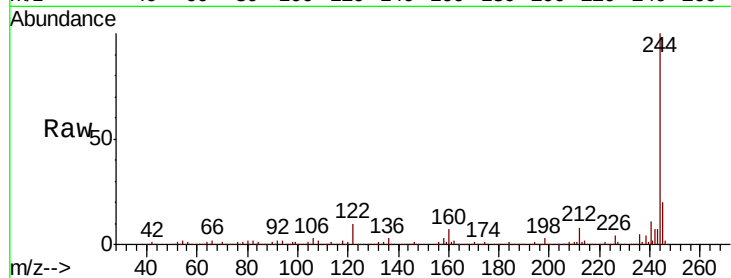
244 100

212 7.6 6.6 10.0

122 9.8 8.2 12.2

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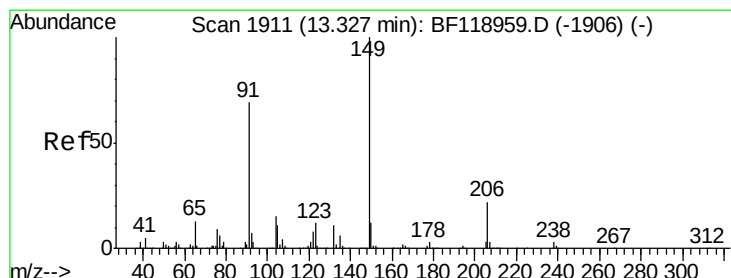
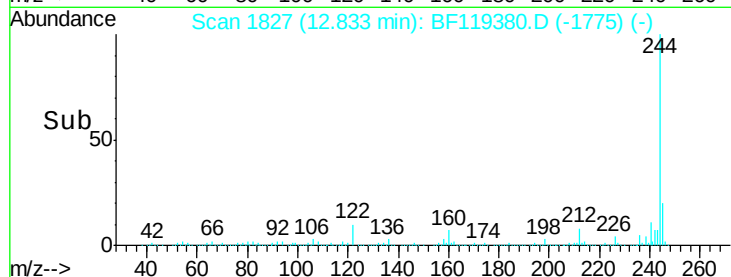
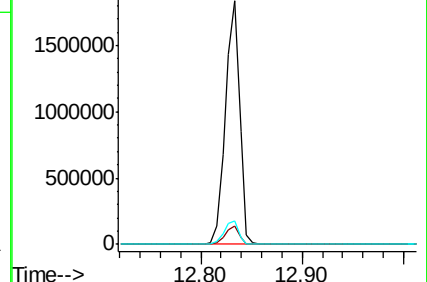
mohammad
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 44.966 ng

RT: 13.30 min Scan# 1907

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

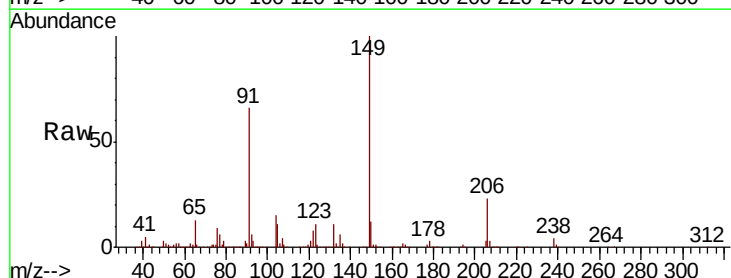
Tgt Ion:149 Resp: 482127

Ion Ratio Lower Upper

149 100

91 66.3 52.3 78.5

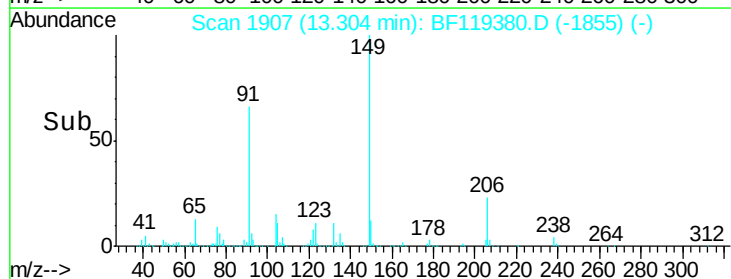
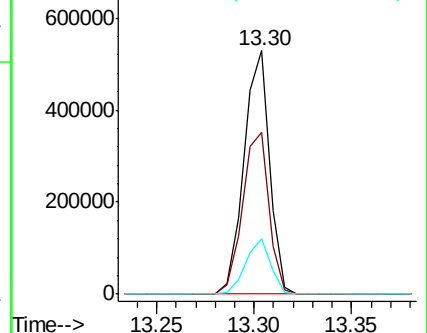
206 23.0 18.5 27.7

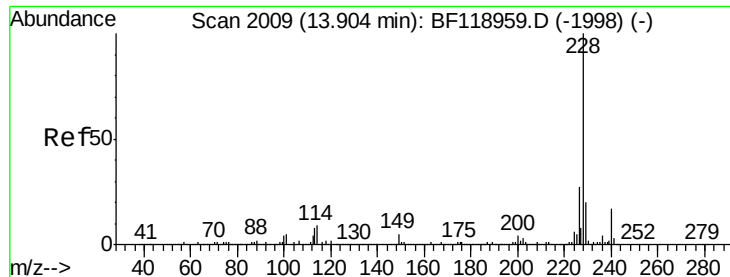


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 45.048 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Instrument :

BNA_F

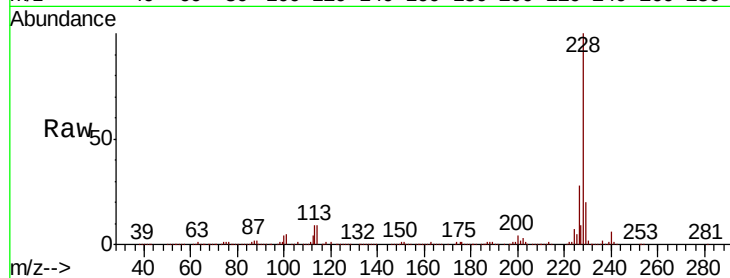
ClientSampleId :

OK-03-031020MSD

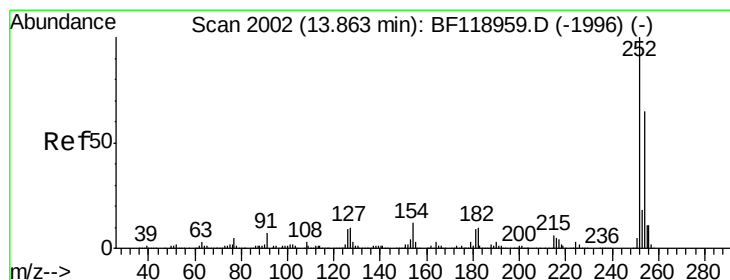
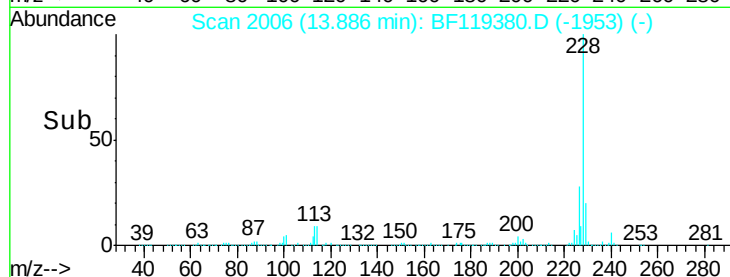
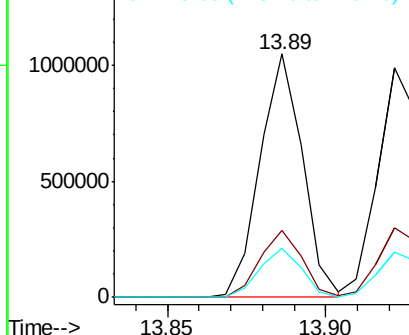
Tot Ion:	228	Resp:	973793
Ion Ratio		Lower	Upper
228	100		
226	27.8	22.6	33.8
229	20.2	16.6	24.8

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



#82

3,3'-Dichlorobenzidine

Concen: 21.226 ng

RT: 13.84 min Scan# 1999

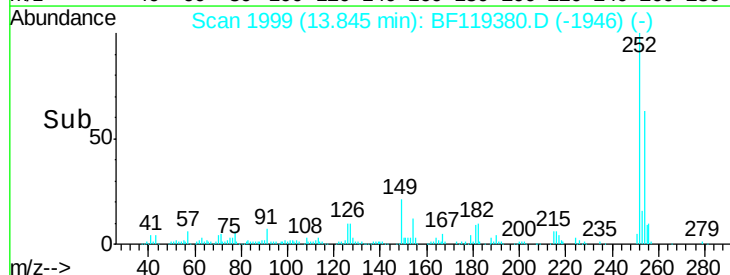
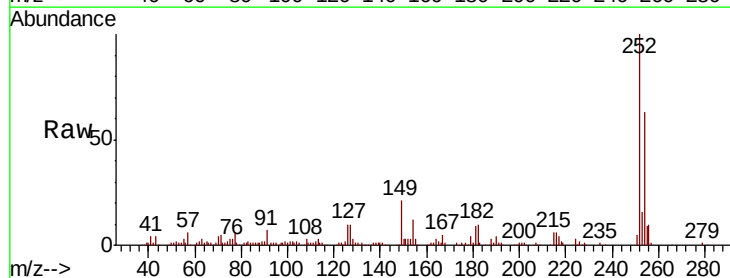
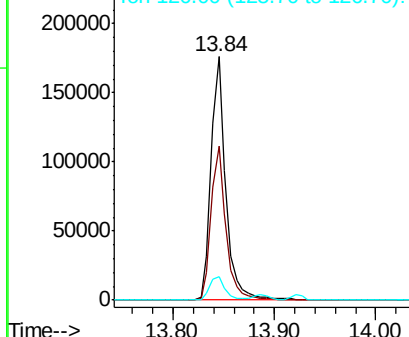
Delta R.T. 0.01 min

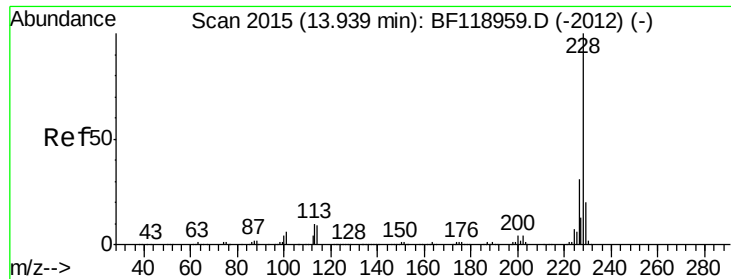
Lab File: BF119380.D

Acq: 12 Mar 2020 14:20

Tgt Ion:	252	Resp:	178167
Ion Ratio		Lower	Upper
252	100		
254	63.1	51.6	77.4
126	9.6	7.4	11.0

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





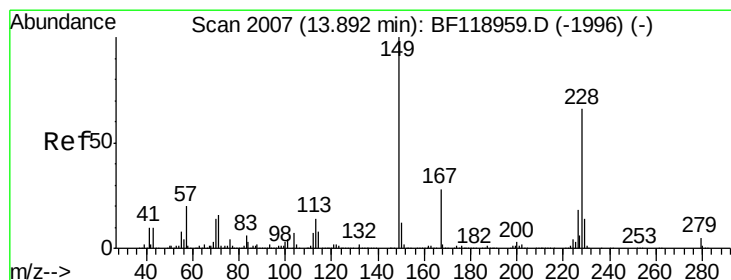
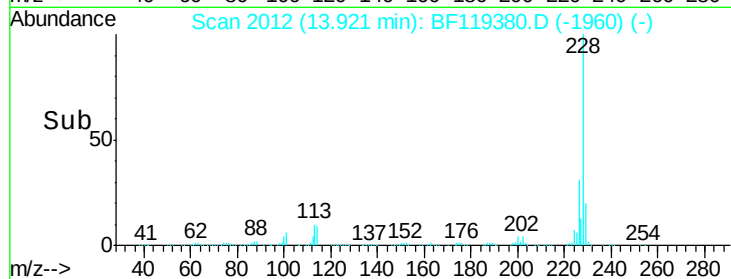
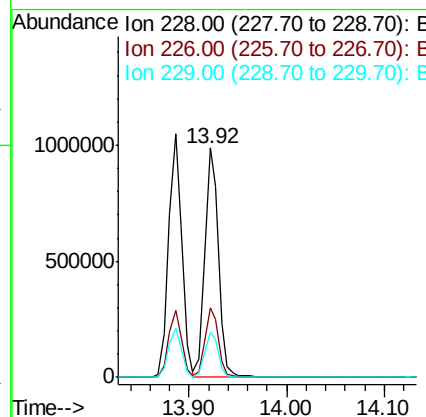
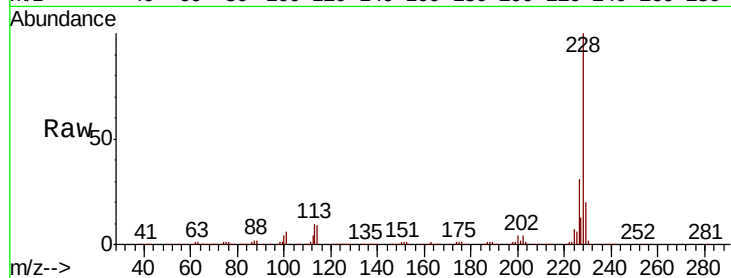
#83
Chrysene
Concen: 44.053 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.1	37.7
229	19.9	16.3	24.5

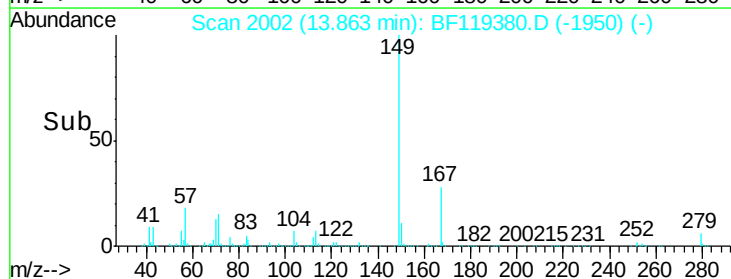
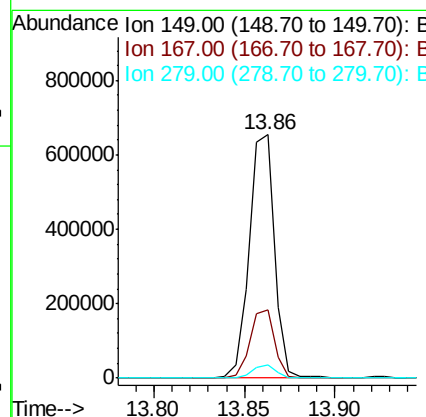
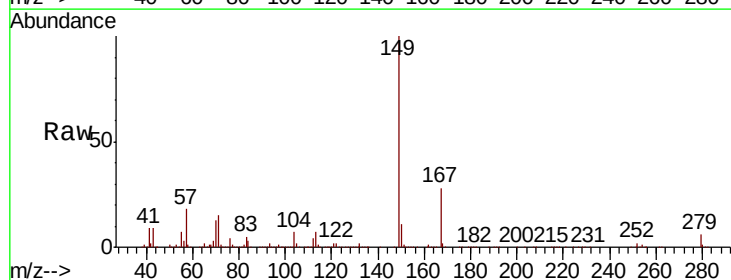
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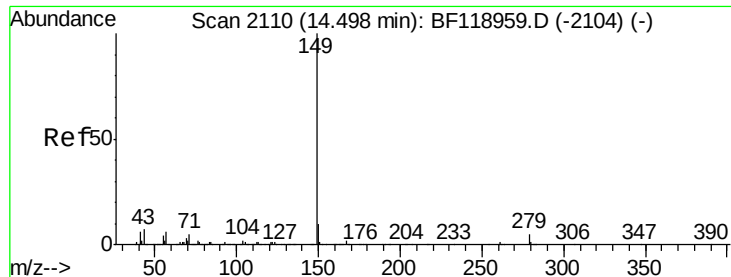
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#84
Bis(2-ethylhexyl)phthalate
Concen: 46.677 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.8	34.2
279	5.7	4.6	6.8





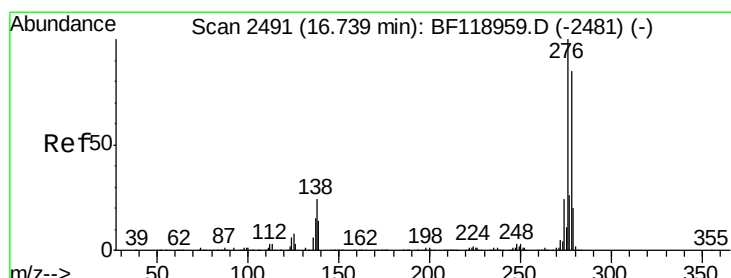
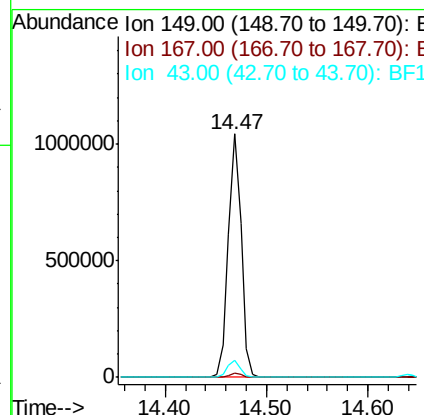
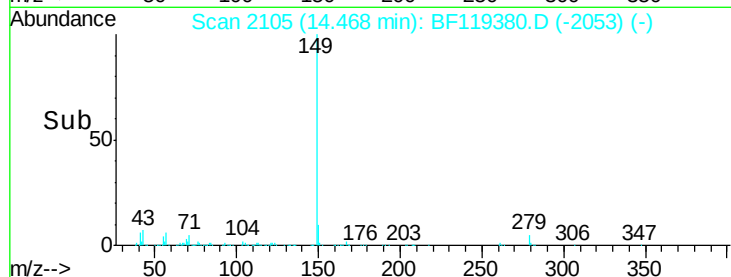
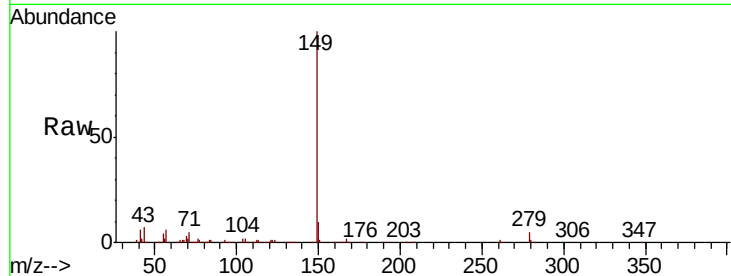
#85
Di-n-octyl phthalate
Concen: 42.816 ng
RT: 14.47 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.7	5.7	8.5

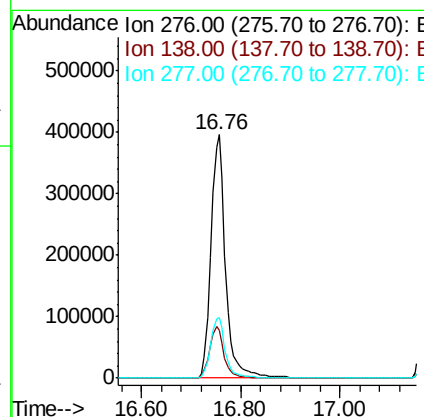
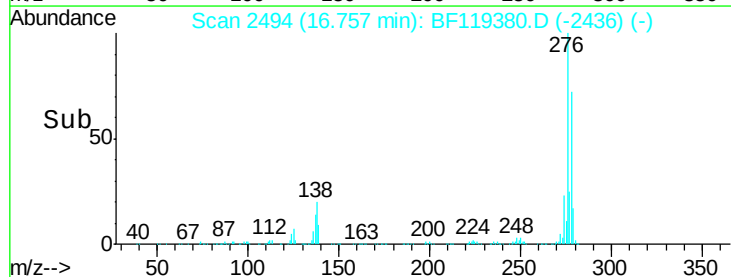
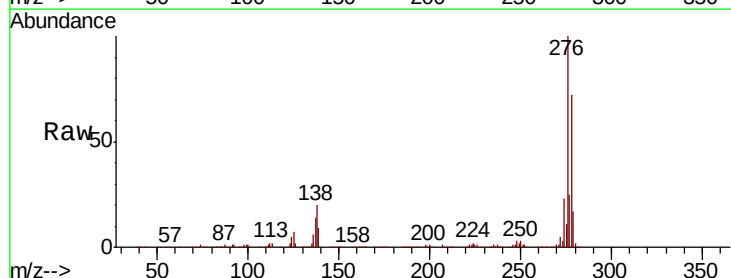
Manual Integrations
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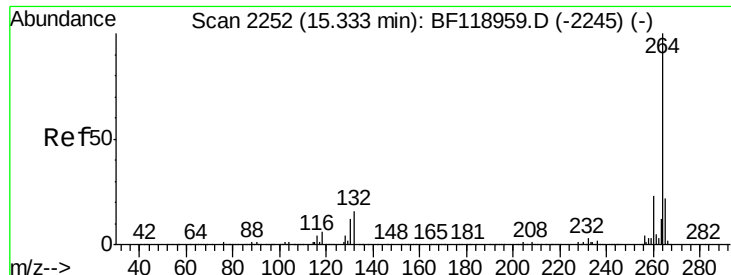
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 38.806 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.04 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	21.4	17.4	26.0
277	25.3	20.3	30.5





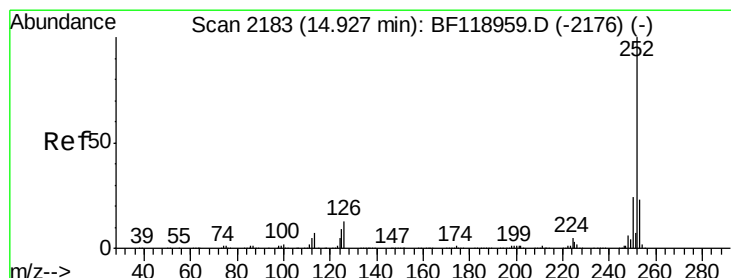
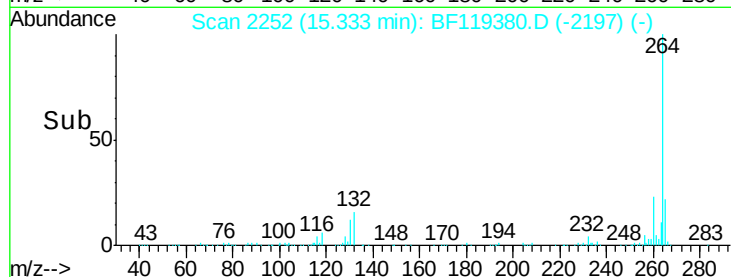
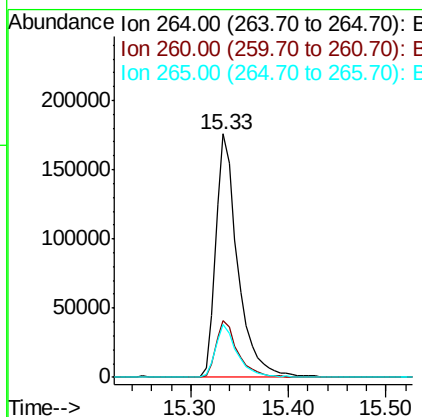
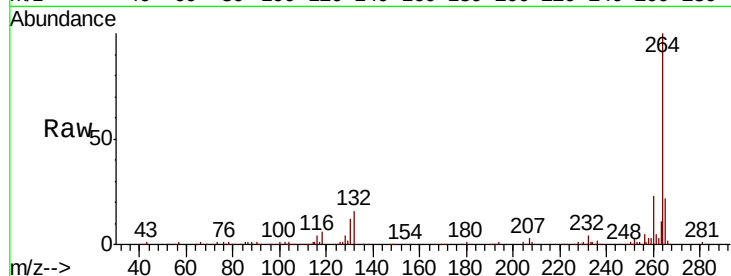
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.02 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.6	17.7	26.5

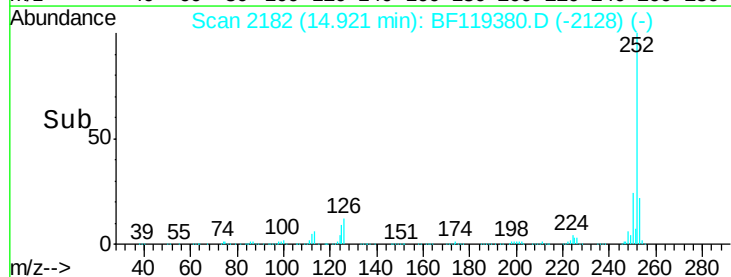
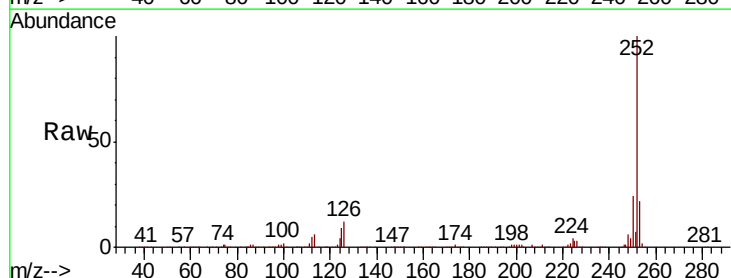
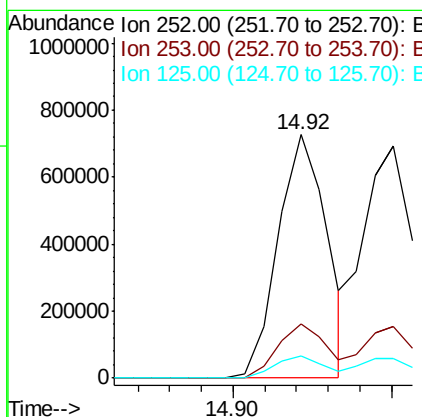
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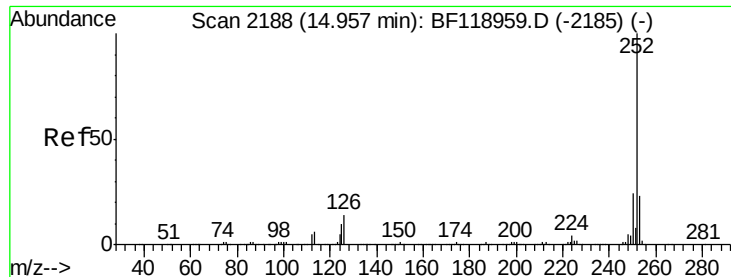
mohammad
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#88
Benzo(b)fluoranthene
Concen: 43.240 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	9.1	7.4	11.0





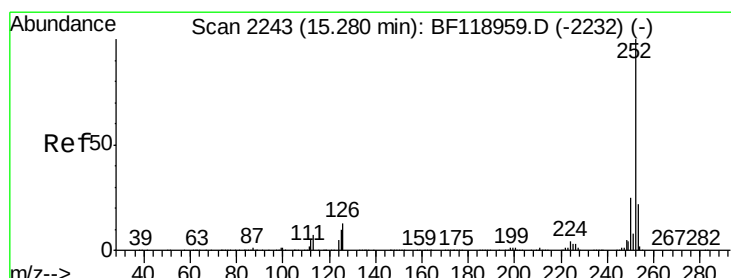
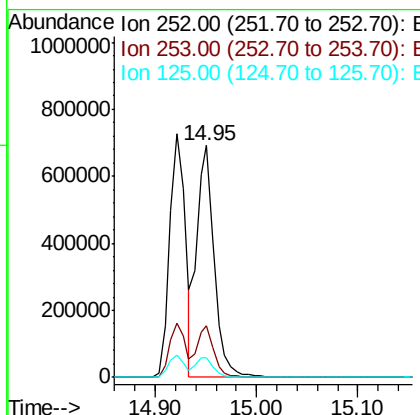
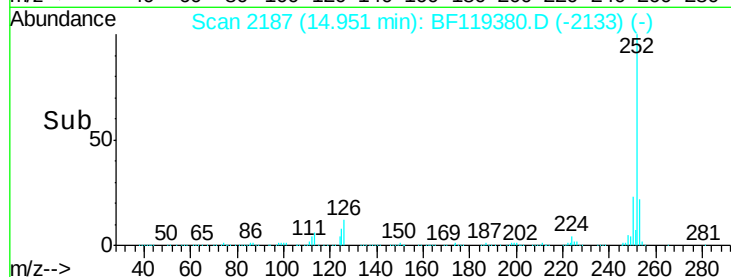
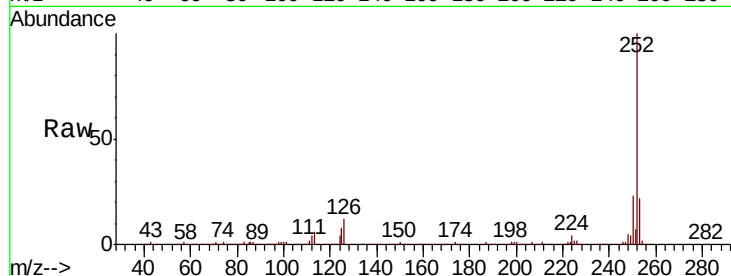
#89
Benzo(k)fluoranthene
Concen: 49.171 ng
RT: 14.95 min Scan# 2187
Delta R.T. 0.02 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	8.4	7.5	11.3

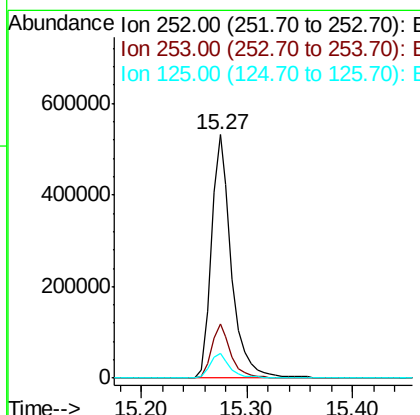
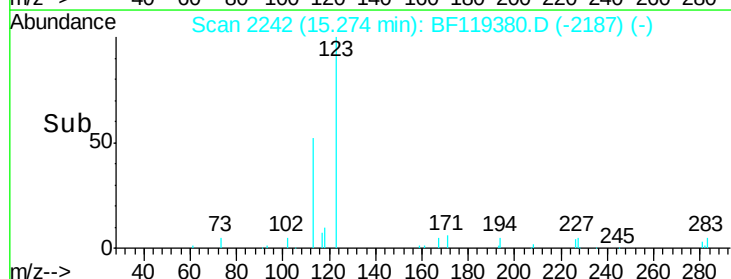
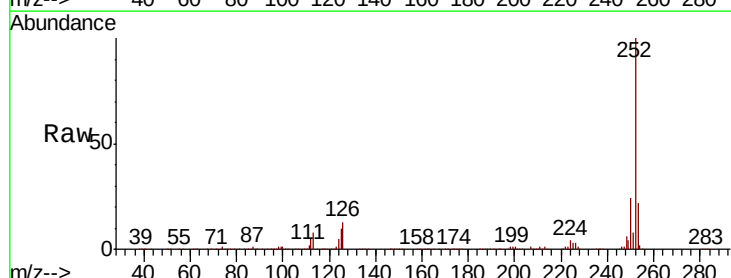
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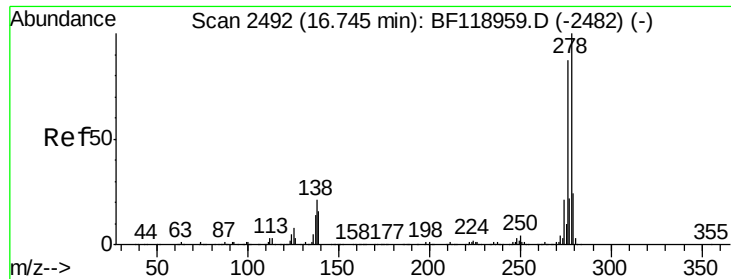
mohammad
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#90
Benzo(a)pyrene
Concen: 43.293 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.02 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	10.0	8.6	12.8





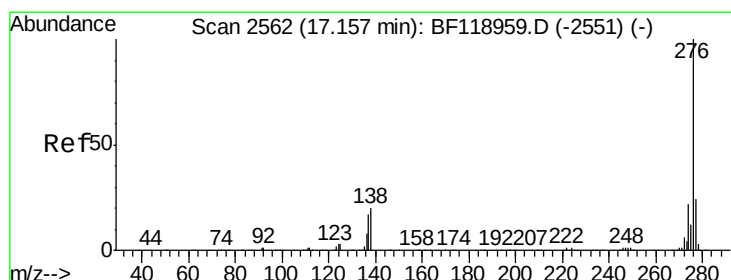
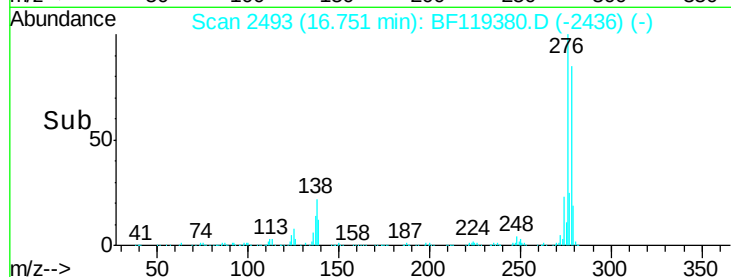
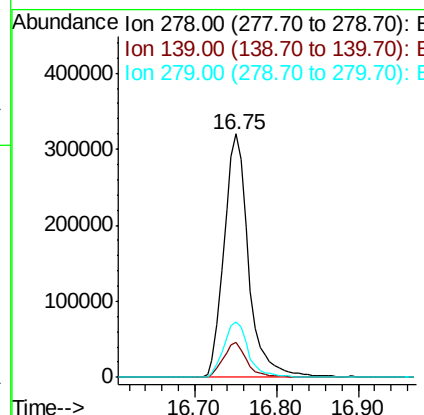
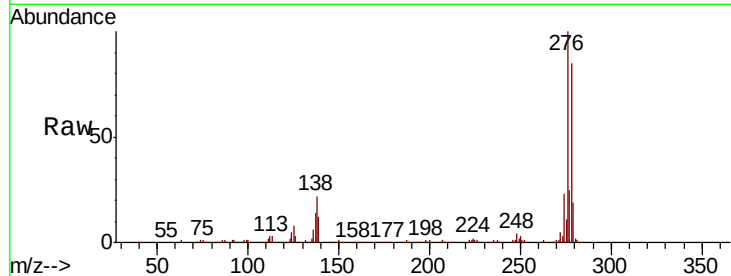
#91
Dibenzo(a,h)anthracene
Concen: 46.603 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.04 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Instrument :
BNA_F
ClientSampleId :
OK-03-031020MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.2	11.0	16.4
279	22.7	18.6	28.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 48.230 ng
RT: 17.18 min Scan# 2566
Delta R.T. 0.04 min
Lab File: BF119380.D
Acq: 12 Mar 2020 14:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	18.0	14.3	21.5

