

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031220\
 Data File : BF119389.D
 Acq On : 12 Mar 2020 19:33
 Operator : CG/JU
 Sample : L1752-04MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-031120MSD

Manual Integrations
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 3/16/2020 1:47:37 PM

Quant Time: Mar 13 02:58:12 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	112821	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	432293	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	242303	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	448990	20.00	ng	0.00
76) Chrysene-d12	13.90	240	285194	20.00	ng	0.01
87) Perylene-d12	15.34	264	244801	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	894539	132.50	ng	0.02
7) Phenol-d6	6.39	99	999850	121.78	ng	0.00
23) Nitrobenzene-d5	7.29	82	768603	93.88	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	423889	133.73	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1498925	91.13	ng	0.00
79) Terphenyl-d14	12.83	244	1845676	111.42	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.58	88	113446	37.743	ng	# 88
3) Pyridine	3.32	79	193089	23.522	ng	99
4) n-Nitrosodimethylamine	3.20	42	122432	49.235	ng	89
6) Aniline	6.40	93	144525	14.266	ng	# 55
8) 2-Chlorophenol	6.52	128	370374	50.836	ng	98
9) Benzaldehyde	6.28	77	226562	41.302	ng	94
10) Phenol	6.40	94	411338	46.338	ng	85
11) bis(2-Chloroethyl)ether	6.46	93	351061	51.686	ng	99
12) 1,3-Dichlorobenzene	6.66	146	386703	44.284	ng	97
13) 1,4-Dichlorobenzene	6.74	146	401159	45.908	ng	99
14) 1,2-Dichlorobenzene	6.89	146	364624	45.754	ng	99
15) Benzyl Alcohol	6.89	79	321236	54.135	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.00	45	266282	45.258	ng	# 43
17) 2-Methylphenol	7.00	107	296609	50.214	ng	92
18) Hexachloroethane	7.23	117	143057	45.760	ng	98
19) n-Nitroso-di-n-propylamine	7.15	70	262266	54.819	ng	97
20) 3+4-Methylphenols	7.16	107	401419	55.470	ng	# 87
22) Acetophenone	7.14	105	513890	51.378	ng	# 95
24) Nitrobenzene	7.31	77	396347	48.953	ng	96
25) Isophorone	7.55	82	721371	50.733	ng	97
26) 2-Nitrophenol	7.63	139	206437	48.122	ng	99
27) 2,4-Dimethylphenol	7.67	122	329326	56.564	ng	98
28) bis(2-Chloroethoxy)methane	7.76	93	432975	46.782	ng	99
29) 2,4-Dichlorophenol	7.89	162	333311	48.630	ng	99
30) 1,2,4-Trichlorobenzene	7.95	180	353883	43.547	ng	98
31) Naphthalene	8.03	128	1075952	47.992	ng	99
32) Benzoic acid	7.86	122	150248	37.125	ng	97
33) 4-Chloroaniline	8.10	127	113892	11.811	ng	99
34) Hexachlorobutadiene	8.14	225	214014	42.279	ng	98
35) Caprolactam	8.47	113	77660m	36.797	ng	
36) 4-Chloro-3-methylphenol	8.59	107	361399	52.100	ng	100
37) 2-Methylnaphthalene	8.72	142	748261	49.594	ng	98
38) 1-Methylnaphthalene	8.82	142	699468	49.296	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.89	216	374391	45.828	ng	99

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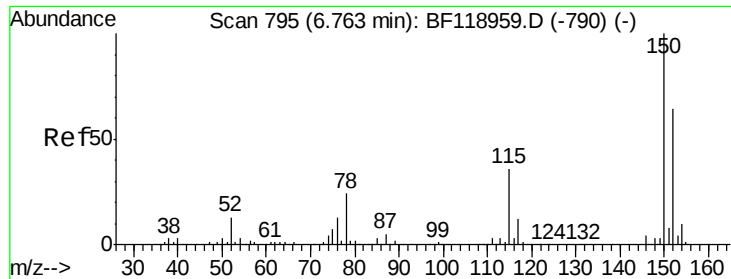
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.87	237	127003	47.088	nq	99
43) 2,4,6-Trichlorophenol	9.02	196	230705	44.719	nq	99
44) 2,4,5-Trichlorophenol	9.07	196	234432	43.304	nq	97
46) 1,1'-Biphenyl	9.18	154	918196	46.887	nq	99
47) 2-Chloronaphthalene	9.21	162	732412	46.411	nq	98
48) 2-Nitroaniline	9.32	65	218079	49.545	nq	99
49) Acenaphthylene	9.62	152	1103721	48.425	nq	99
50) Dimethylphthalate	9.49	163	918724	49.585	nq	100
51) 2,6-Dinitrotoluene	9.56	165	199687	48.509	nq	95
52) Acenaphthene	9.79	154	664932	48.382	nq	99
53) 3-Nitroaniline	9.74	138	63957	14.015	nq	96
54) 2,4-Dinitrophenol	9.86	184	162714	81.204	nq	# 88
55) Dibenzofuran	9.97	168	989695	48.246	nq	100
56) 4-Nitrophenol	9.93	139	76276m	27.819	nq	
57) 2,4-Dinitrotoluene	9.97	165	262691	49.233	nq	99
58) Fluorene	10.31	166	811208	50.891	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.10	232	224487	49.144	nq	95
60) Diethylphthalate	10.19	149	863018	49.426	nq	99
61) 4-Chlorophenyl-phenylether	10.30	204	418716	49.626	nq	99
62) 4-Nitroaniline	10.36	138	171996	36.837	nq	93
63) Azobenzene	10.46	77	791536	52.153	nq	98
65) 4,6-Dinitro-2-methylphenol	10.39	198	131249	48.308	nq	97
66) n-Nitrosodiphenylamine	10.42	169	732436	49.820	nq	99
67) 4-Bromophenyl-phenylether	10.79	248	273437	46.591	nq	98
68) Hexachlorobenzene	10.87	284	313328	46.306	nq	99
69) Atrazine	10.96	200	238304	46.394	nq	98
70) Pentachlorophenol	11.07	266	187931	68.947	nq	98
71) Phenanthrene	11.27	178	1197632	48.911	nq	98
72) Anthracene	11.33	178	1243214	50.815	nq	99
73) Carbazole	11.49	167	1095395	50.258	nq	99
74) Di-n-butylphthalate	11.80	149	1283812	48.639	nq	99
75) Fluoranthene	12.47	202	1254335	48.261	nq	99
77) Benzidine	12.59	184	364097	31.391	nq	98
78) Pyrene	12.69	202	1255012	54.802	nq	98
80) Butylbenzylphthalate	13.30	149	486921	50.520	nq	99
81) Benzo(a)anthracene	13.89	228	997445	51.330	nq	99
82) 3,3'-Dichlorobenzidine	13.84	252	162478	21.533	nq	99
83) Chrysene	13.92	228	965472	49.863	nq	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	615994	50.588	nq	# 98
85) Di-n-octyl phthalate	14.47	149	886533	45.695	nq	99
86) Indeno(1,2,3-cd)pyrene	16.76	276	836419	44.613	nq	100
88) Benzo(b)fluoranthene	14.92	252	866654	53.710	nq	100
89) Benzo(k)fluoranthene	14.95	252	769717	51.474	nq	100
90) Benzo(a)pyrene	15.27	252	724800	49.770	nq	98
91) Dibenzo(a,h)anthracene	16.75	278	704487	54.979	nq	100
92) Benzo(g,h,i)perylene	17.18	276	724689	57.239	nq	100

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



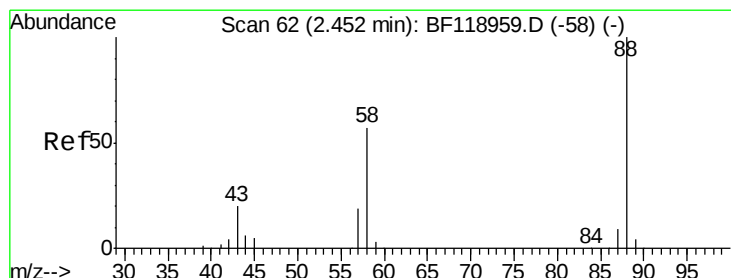
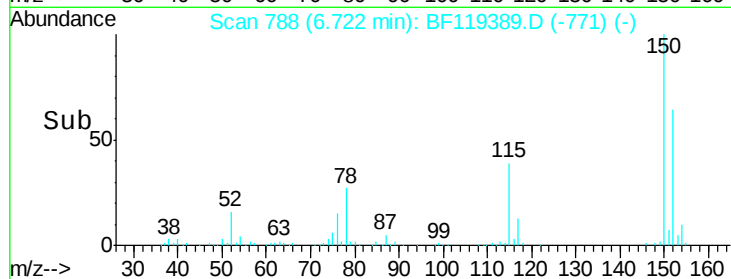
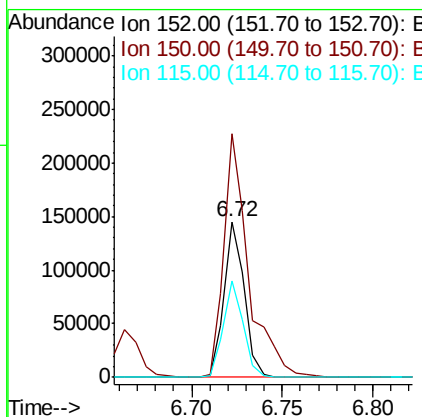
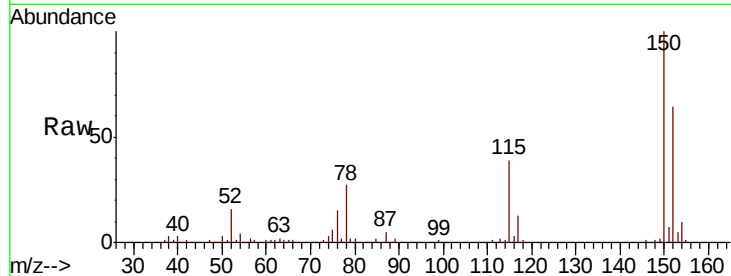
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.0	184.6
115	61.6	49.5	74.3

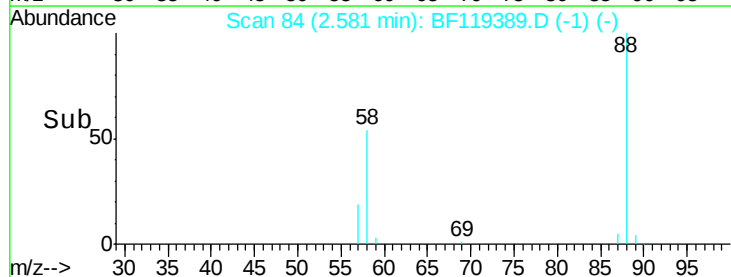
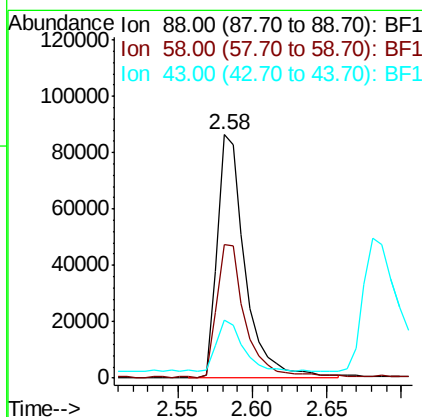
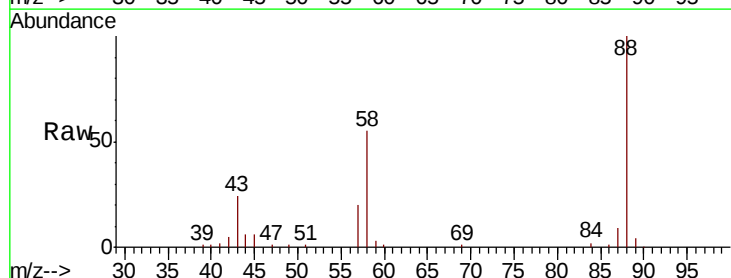
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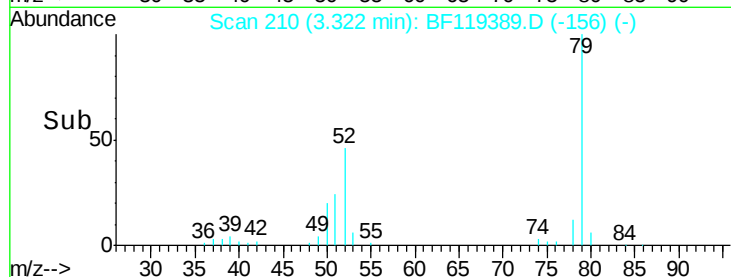
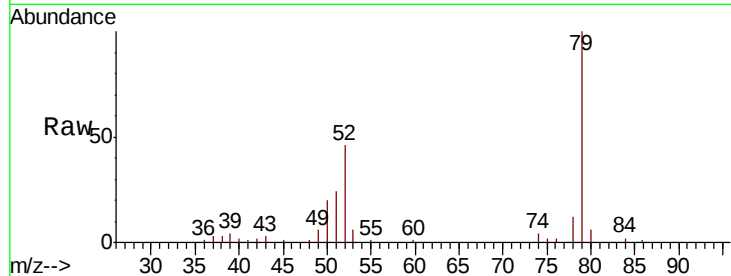
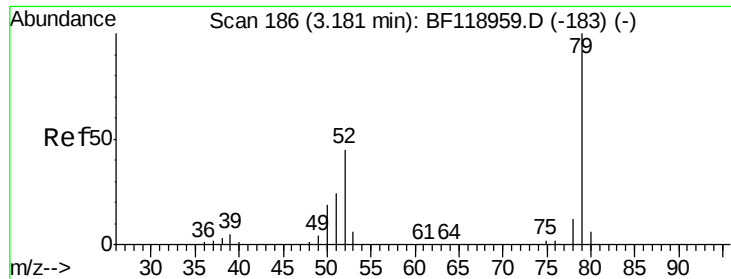
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#2
 1,4-Dioxane
 Concen: 37.743 ng
 RT: 2.58 min Scan# 84
 Delta R.T. 0.20 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
88	100		
58	55.0	43.8	65.6
43	0.0	16.2	24.4





#3

Pvridine

Concen: 23.522 ng

RT: 3.32 min Scan# 210

Delta R.T. 0.22 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Tot Ion:	79	Resp:	193089
Ion Ratio	Lower	Upper	
79	100		
52	46.3	37.4	56.0
51	24.4	19.8	29.6

Instrument :

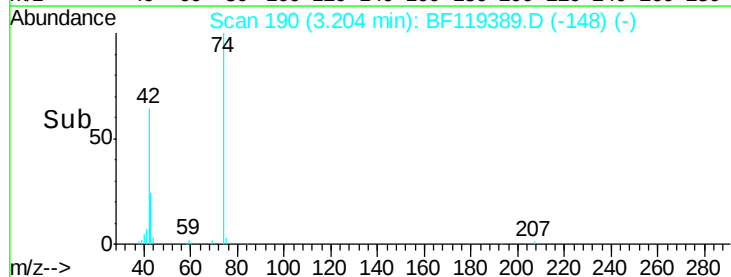
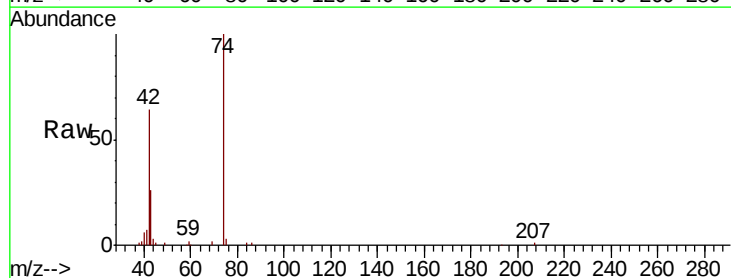
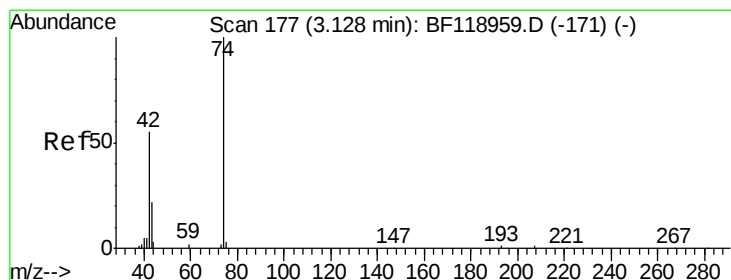
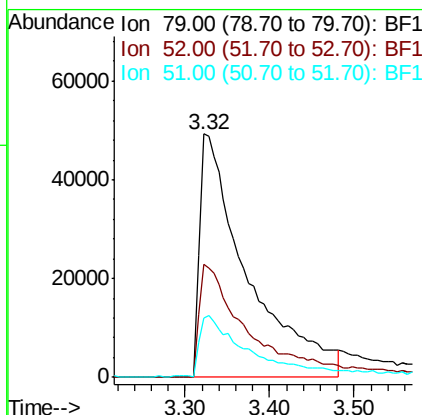
BNA_F

ClientSampleId :

HD-01-031120MSD

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#4

n-Nitrosodimethylamine

Concen: 49.235 ng

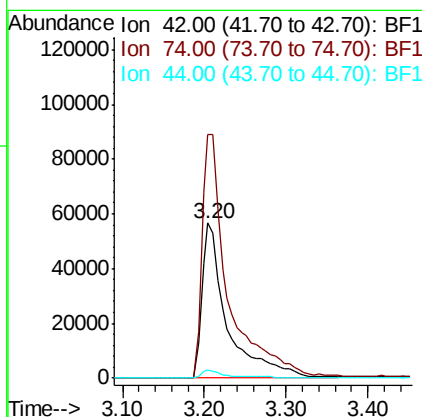
RT: 3.20 min Scan# 190

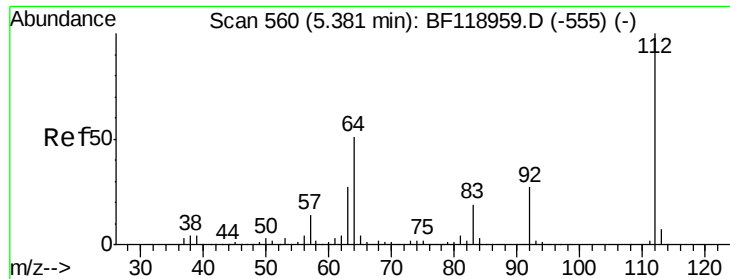
Delta R.T. 0.15 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Tgt Ion:	42	Resp:	122432
Ion Ratio	Lower	Upper	
42	100		
74	157.0	137.7	206.5
44	4.9	4.5	6.7





#5

2-Fluorophenol

Concen: 132.505 ng

RT: 5.37 min Scan# 559

Delta R.T. 0.02 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

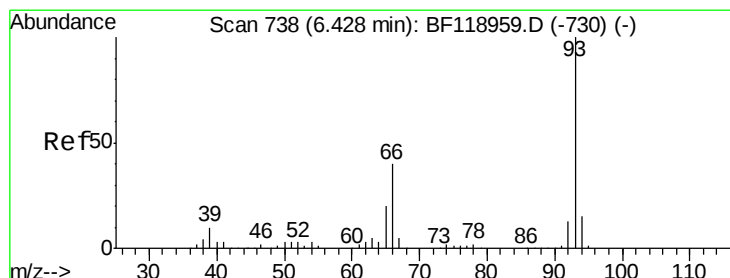
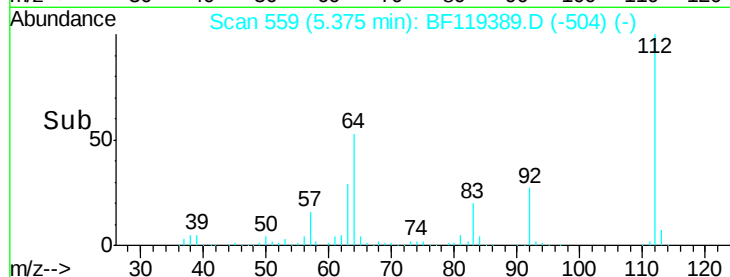
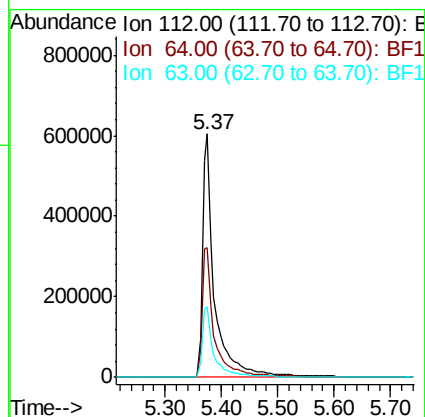
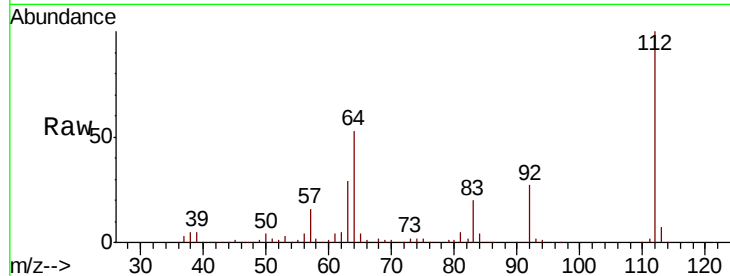
ClientSampleId :

HD-01-031120MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		894539		
64	53.2	45.0	67.4		
63	29.1	24.2	36.4		

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#6

Aniline

Concen: 14.266 ng

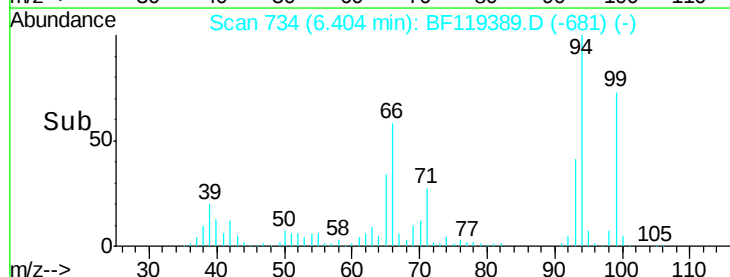
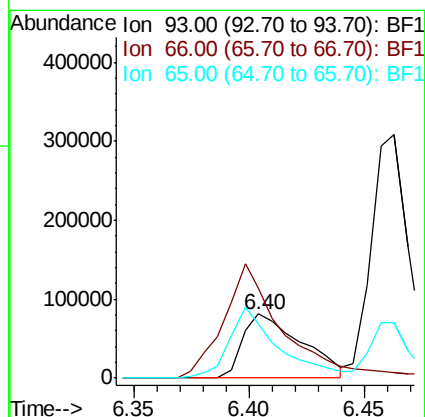
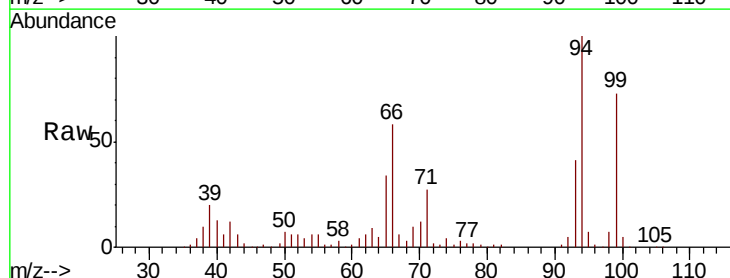
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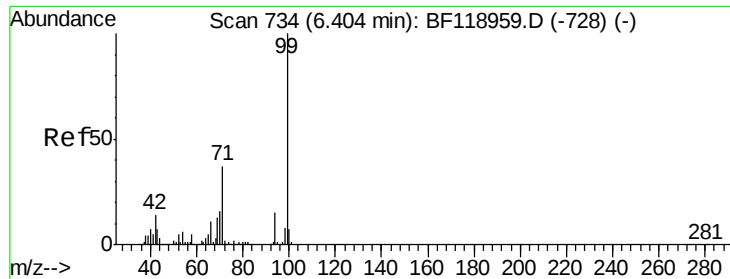
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Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		144525		
66	140.5	74.5	111.7#		
65	83.5	45.3	67.9#		





#7

Phenol-d6

Concen: 121.778 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

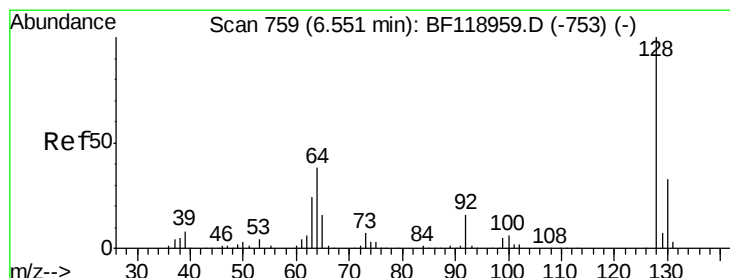
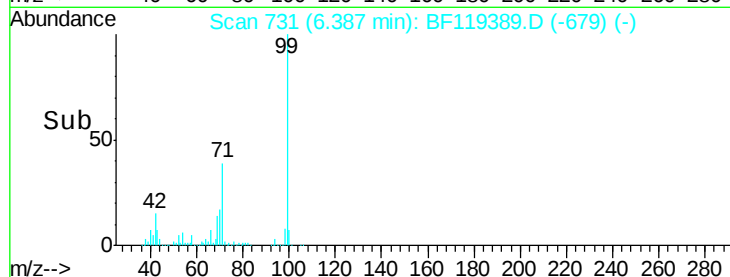
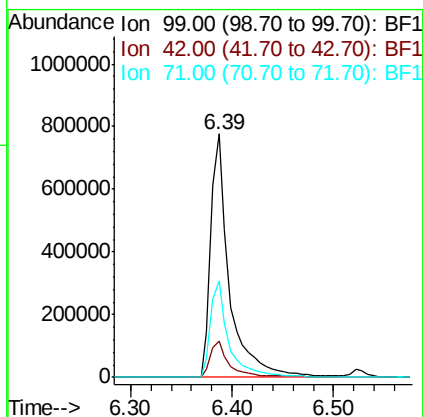
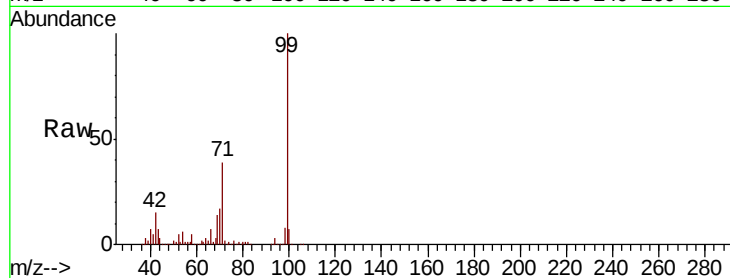
ClientSampleId :

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Tot Ion:	99	Resp:	999850
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.6	18.8
71	39.5	31.0	46.4

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#8

2-Chlorophenol

Concen: 50.836 ng

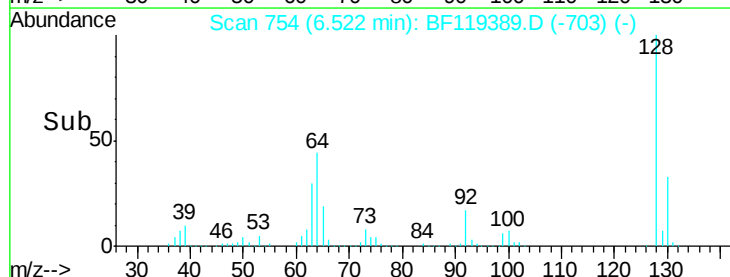
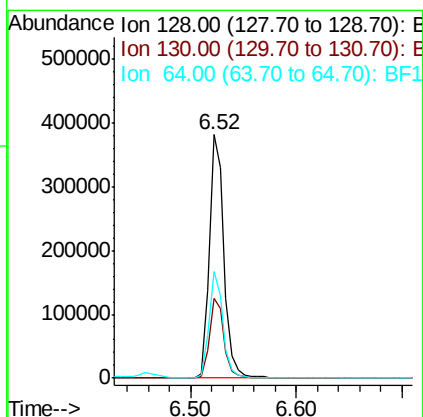
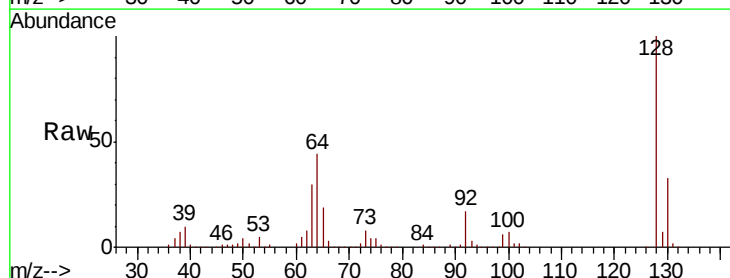
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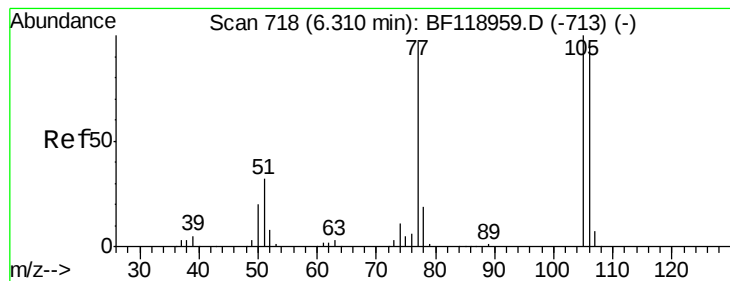
Delta R.T. 0.00 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Tgt Ion:	128	Resp:	370374
Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	44.0	22.3	62.3





#9

Benzaldehyde

Concen: 41.302 ng

RT: 6.28 min Scan# 713

Delta R.T. 0.00 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

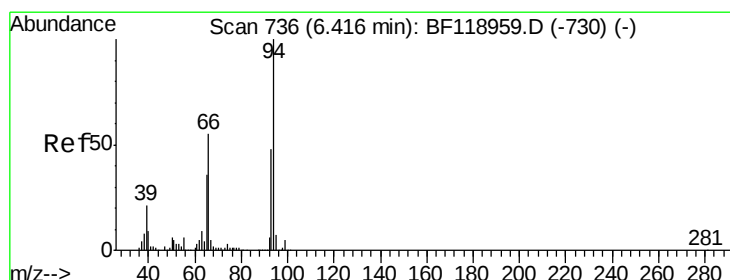
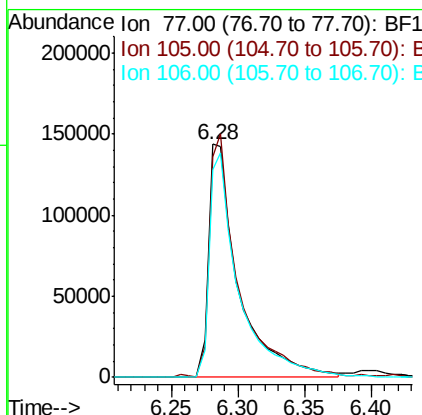
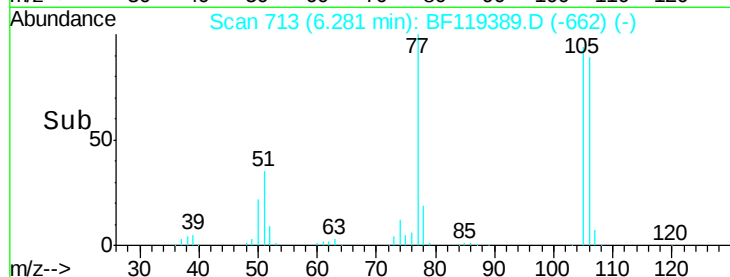
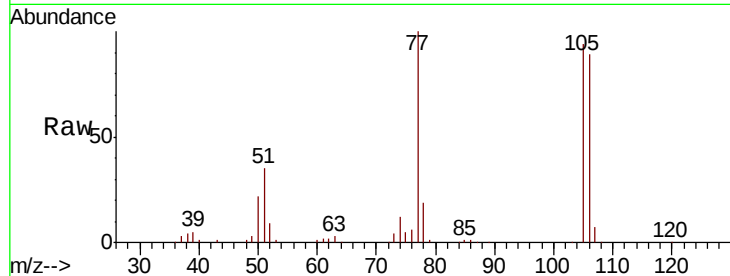
ClientSampleId :

HD-01-031120MSD

Tot Ion:	77	Resp:	226562
Ion Ratio	Lower	Upper	
77	100		
105	94.4	80.1	120.1
106	88.8	75.9	115.9

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#10

Phenol

Concen: 46.338 ng

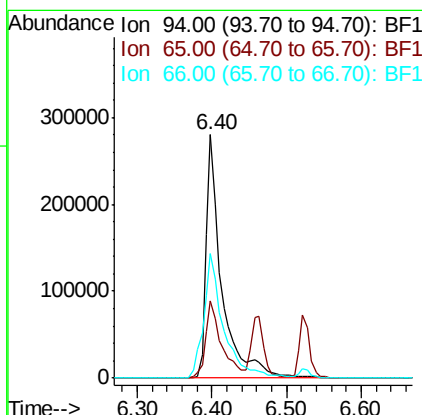
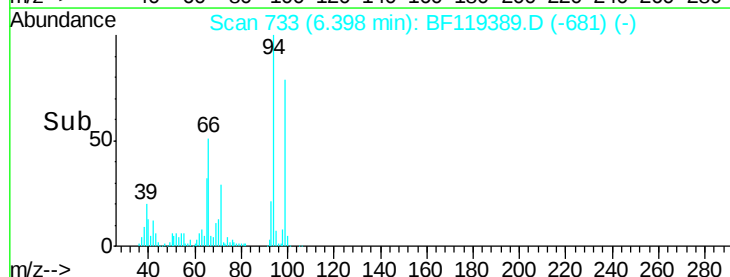
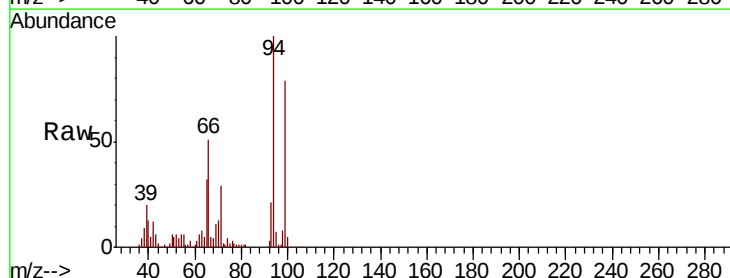
RT: 6.40 min Scan# 733

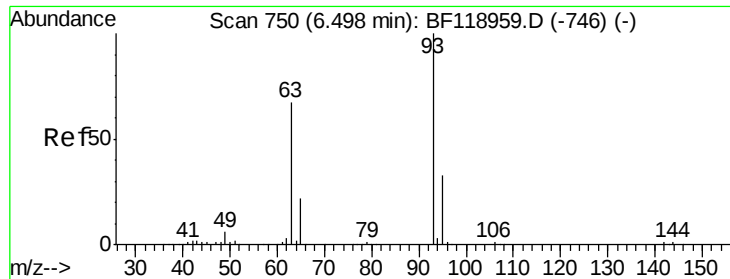
Delta R.T. 0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Tgt Ion:	94	Resp:	411338
Ion Ratio	Lower	Upper	
94	100		
65	31.9	19.2	59.2
66	51.4	44.4	84.4





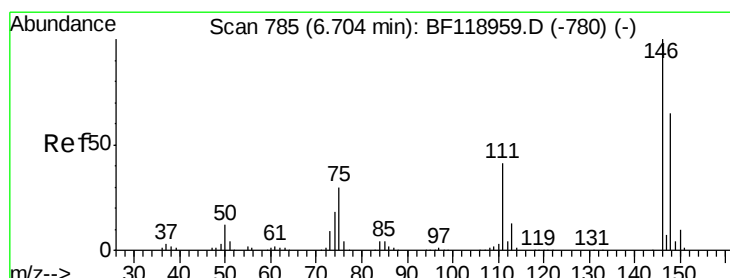
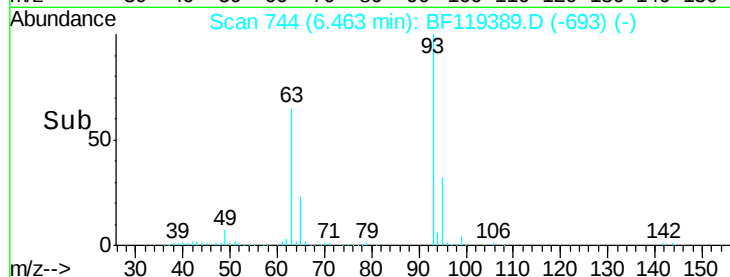
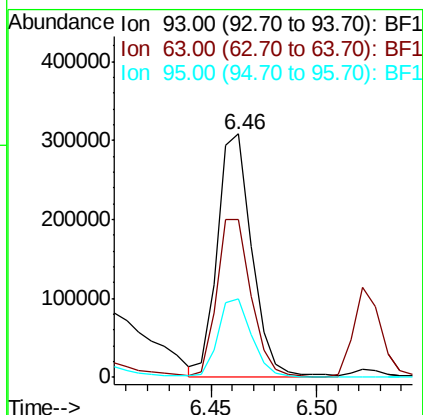
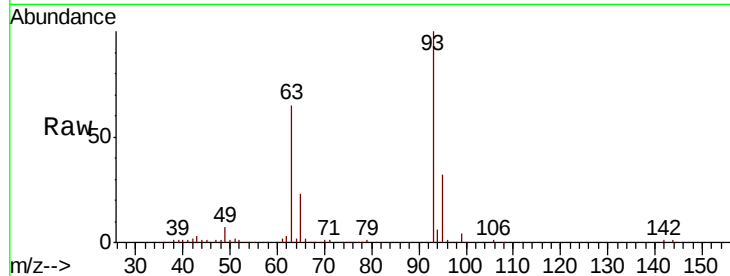
#11
bis(2-Chloroethyl)ether
Concen: 51.686 ng
RT: 6.46 min Scan# 744
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	65.0	45.4	85.4
95	32.4	13.5	53.5

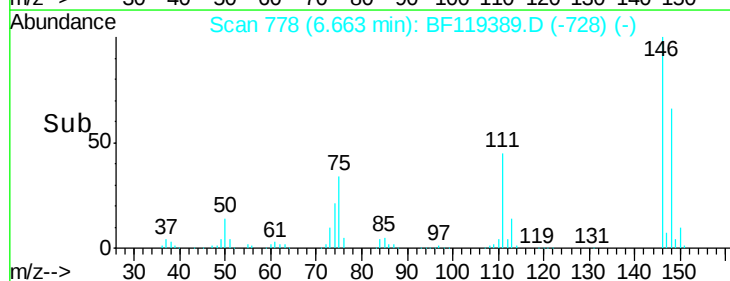
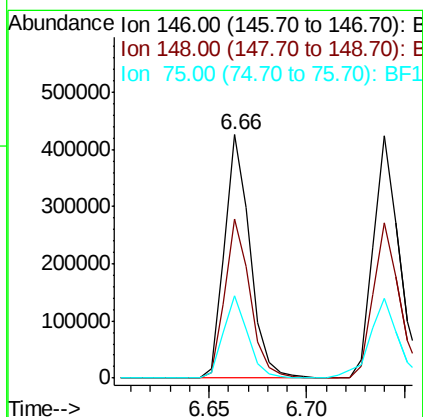
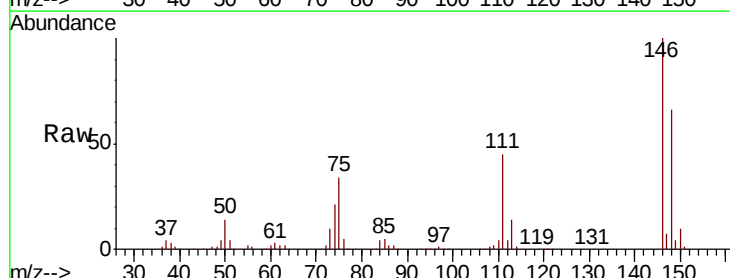
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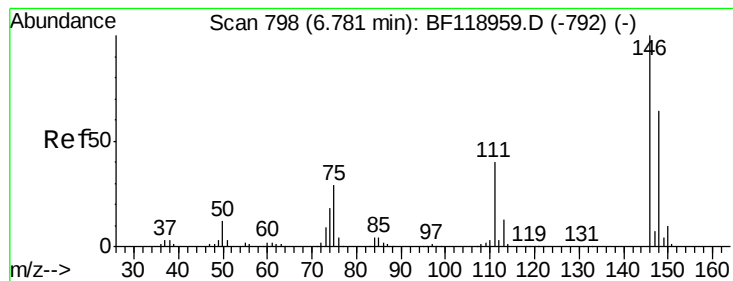
mohammad
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#12
1,3-Dichlorobenzene
Concen: 44.284 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.5	78.7
75	33.9	23.6	35.4





#13

1,4-Dichlorobenzene

Concen: 45.908 ng

RT: 6.74 min Scan# 791

Delta R.T. 0.00 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

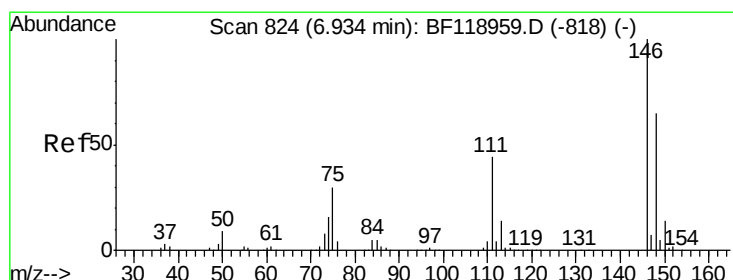
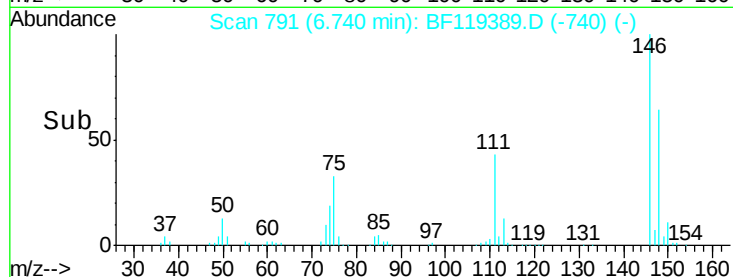
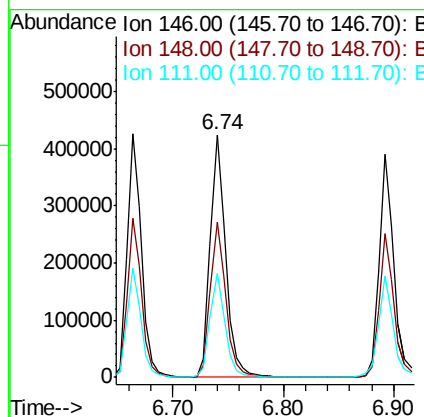
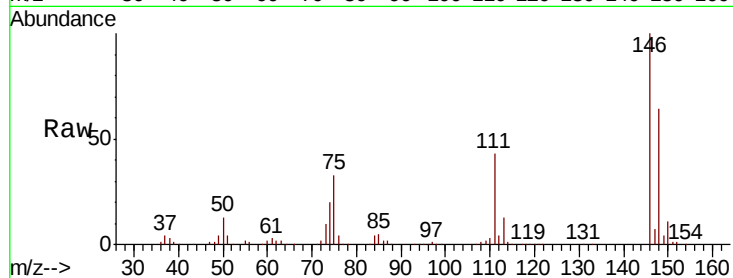
ClientSampleId :

HD-01-031120MSD

Tot Ion:	146	Resp:	401159
Ion Ratio	Lower	Upper	
146	100		
148	64.0	51.1	76.7
111	42.6	34.8	52.2

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#14

1,2-Dichlorobenzene

Concen: 45.754 ng

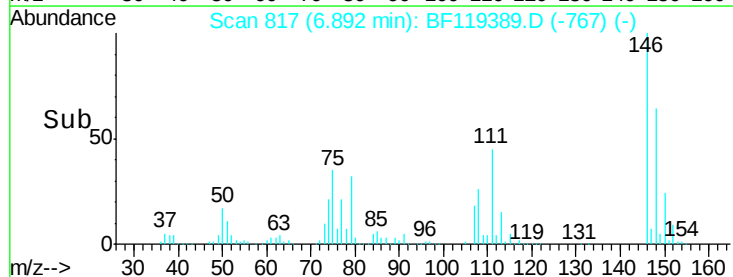
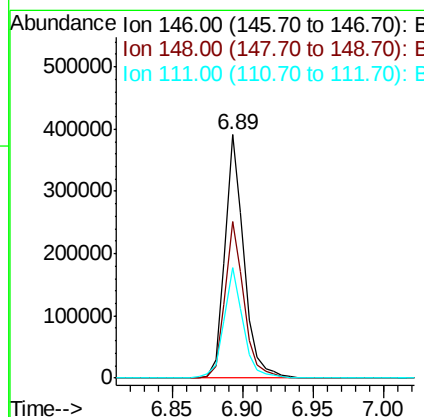
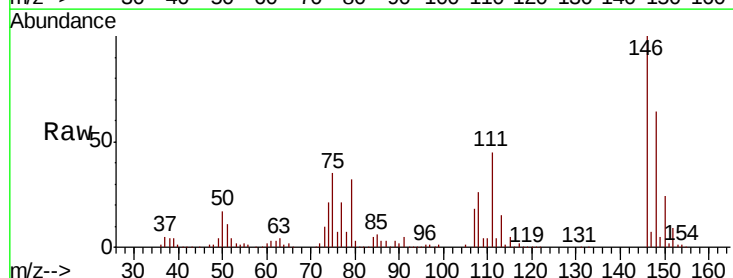
RT: 6.89 min Scan# 817

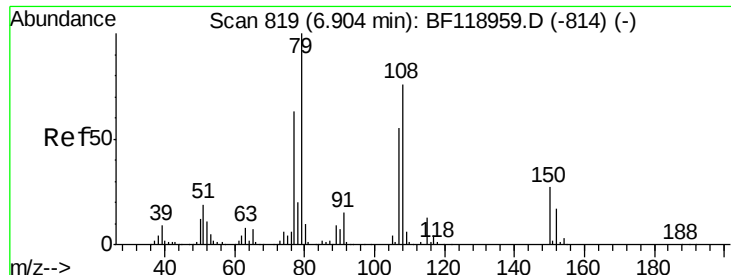
Delta R.T. -0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Tgt Ion:	146	Resp:	364624
Ion Ratio	Lower	Upper	
146	100		
148	64.2	51.9	77.9
111	45.2	36.2	54.2





#15

Benzyl Alcohol

Concen: 54.135 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

ClientSampleId :

HD-01-031120MSD

Tot Ion: 79 Resp: 321236

Ion Ratio Lower Upper

79 100

108 74.1 58.2 87.2

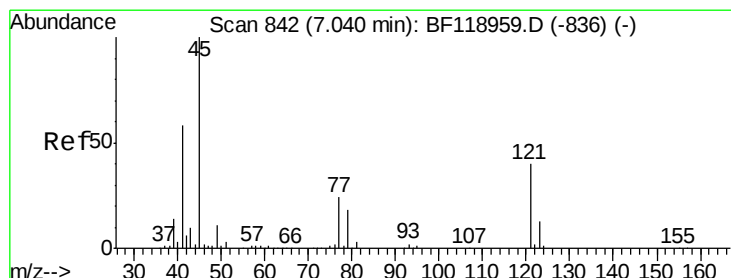
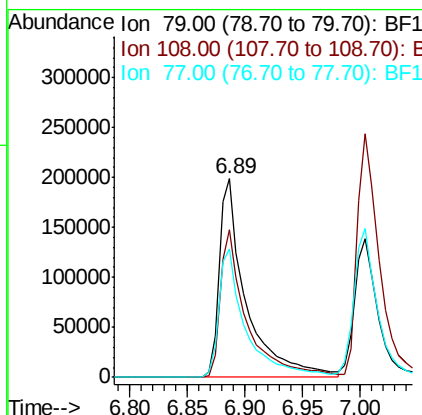
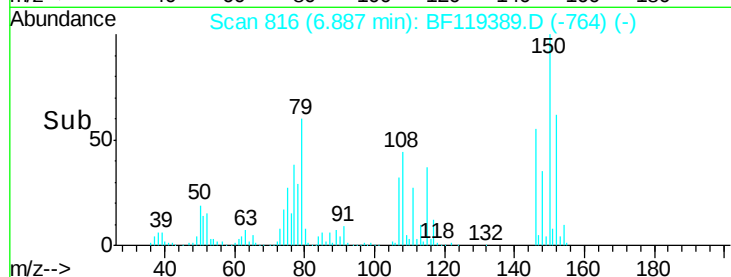
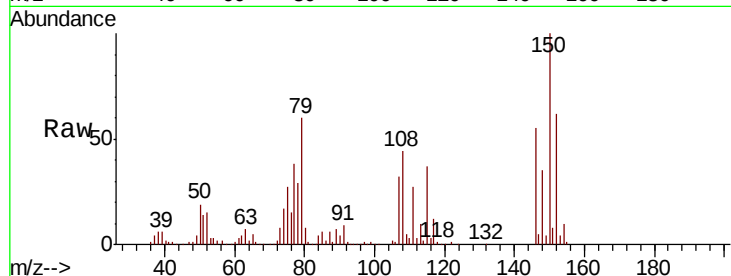
77 64.4 51.2 76.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.258 ng

RT: 7.00 min Scan# 835

Delta R.T. -0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

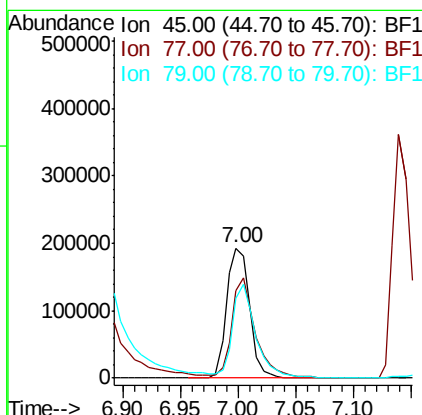
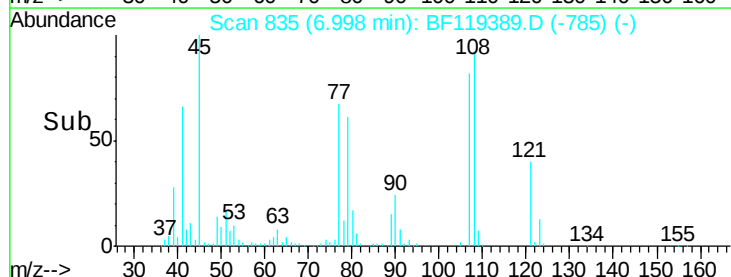
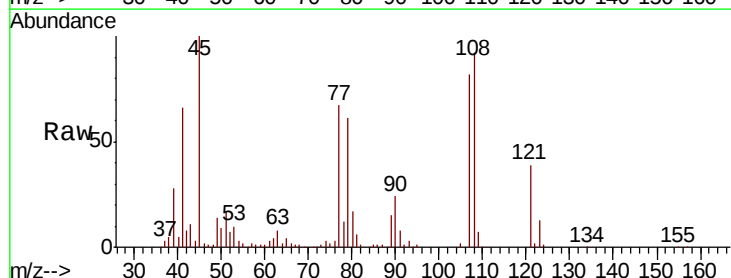
Tgt Ion: 45 Resp: 266282

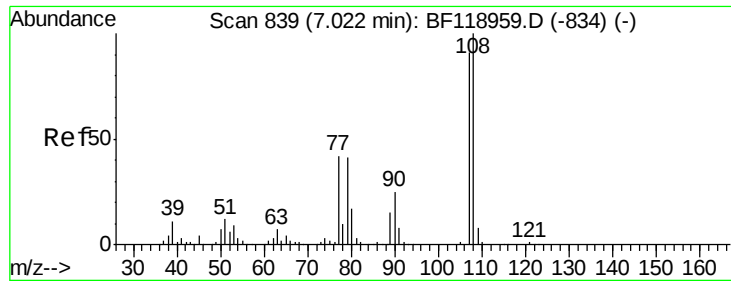
Ion Ratio Lower Upper

45 100

77 67.2 15.0 55.0#

79 61.2 9.4 49.4#





#17

2-Methylphenol

Concen: 50.214 ng

RT: 7.00 min Scan# 836

Delta R.T. 0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

ClientSampleId :

HD-01-031120MSD

Tot Ion:107 Resp: 296609

Ion Ratio Lower Upper

107 100

108 110.9 87.9 131.9

77 67.9 45.3 67.9

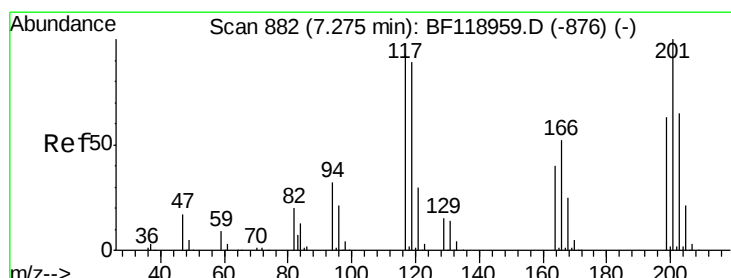
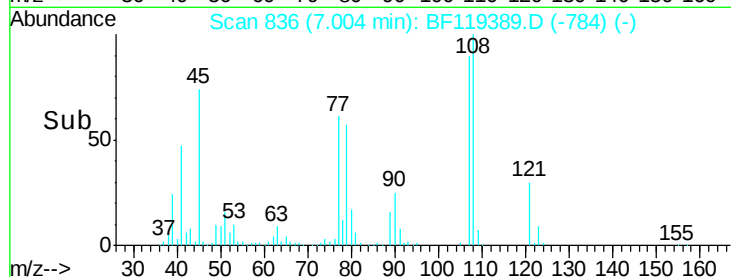
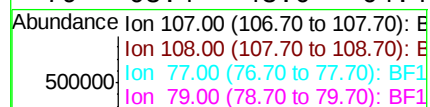
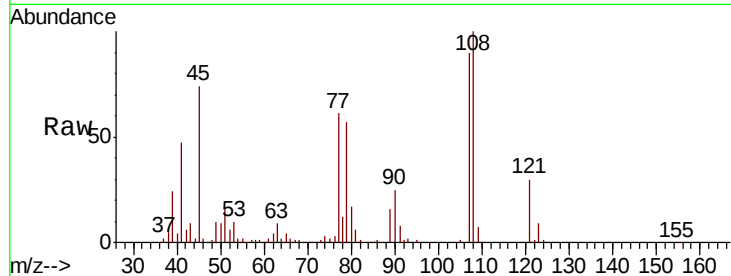
79 63.4 43.0 64.4

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#18

Hexachloroethane

Concen: 45.760 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

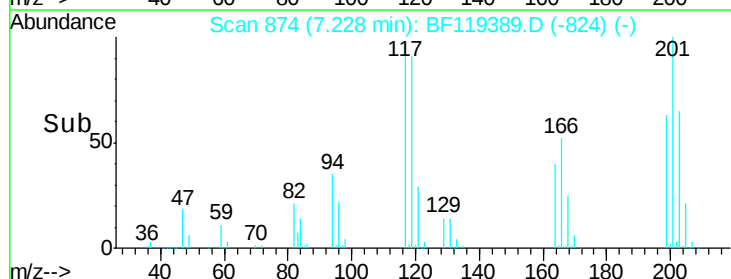
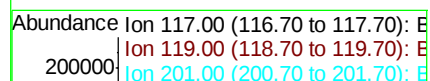
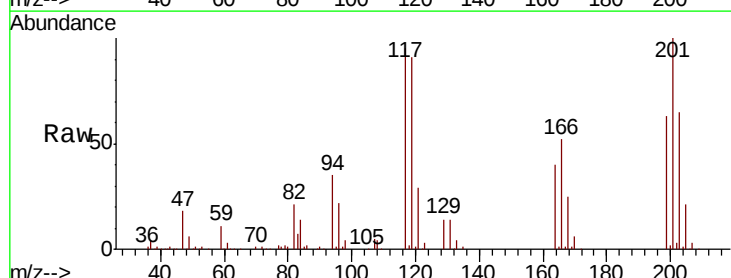
Tgt Ion:117 Resp: 143057

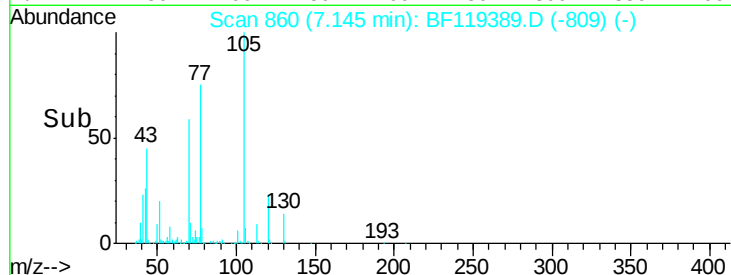
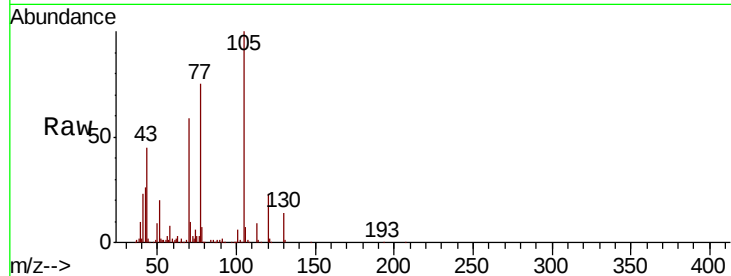
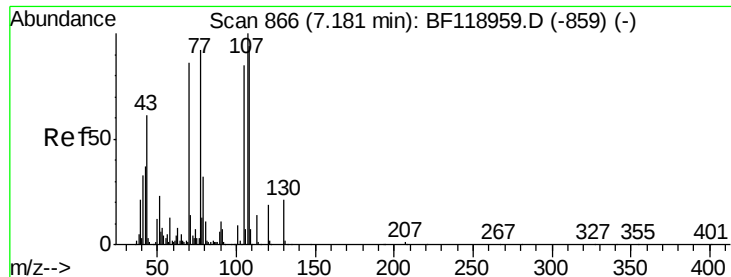
Ion Ratio Lower Upper

117 100

119 95.8 77.5 116.3

201 105.6 82.6 123.8





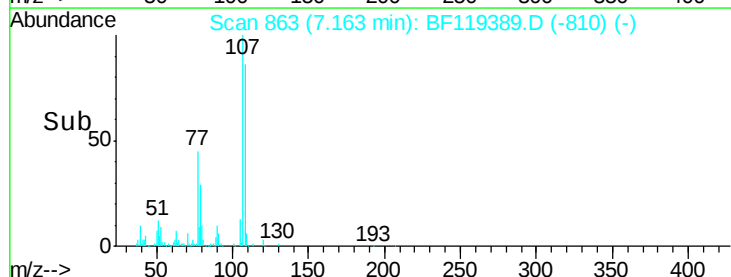
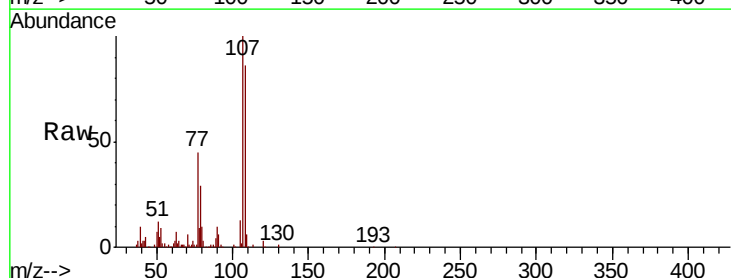
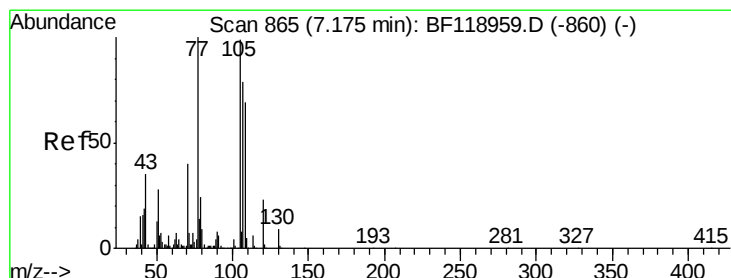
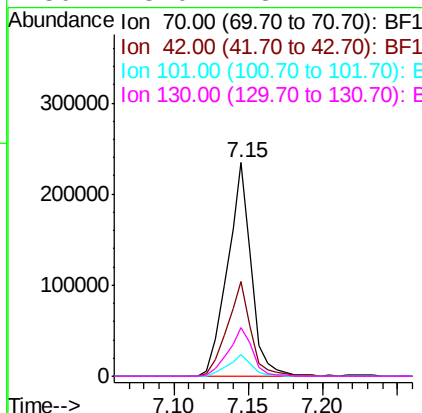
#19
n-Nitroso-di-n-propylamine
Concen: 54.819 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	44.2	38.0	57.0
101	10.5	8.2	12.4
130	23.0	18.2	27.4

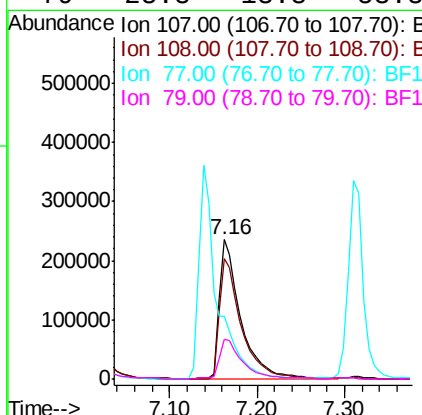
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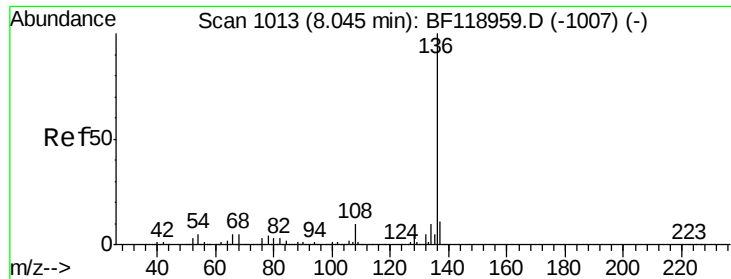
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#20
3+4-Methylphenols
Concen: 55.470 ng
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.2	71.5	111.5
77	44.8	45.9	85.9#
79	28.8	13.8	53.8





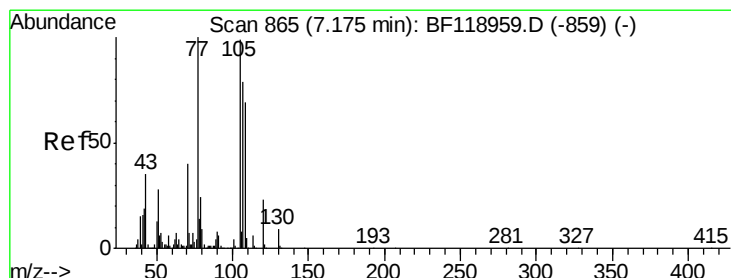
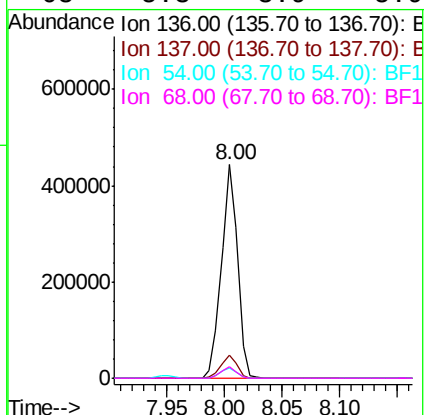
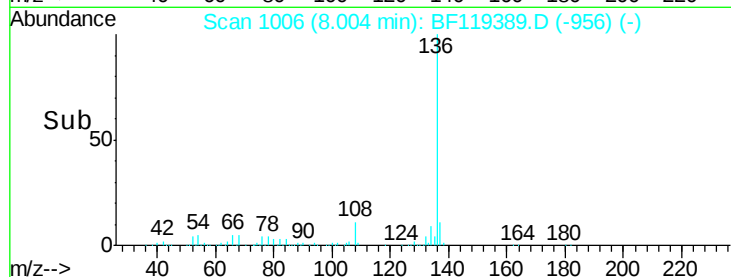
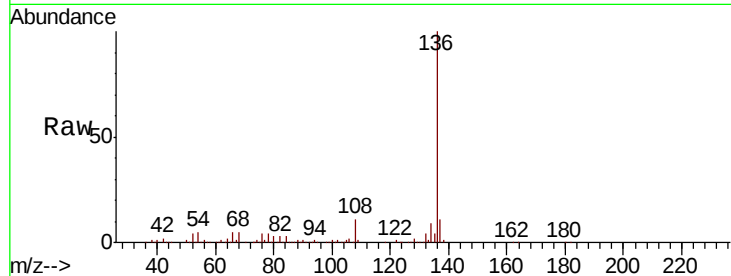
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		432293		
137	10.9		8.8	13.2	
54	5.1		3.8	5.6	
68	5.3		3.9	5.9	

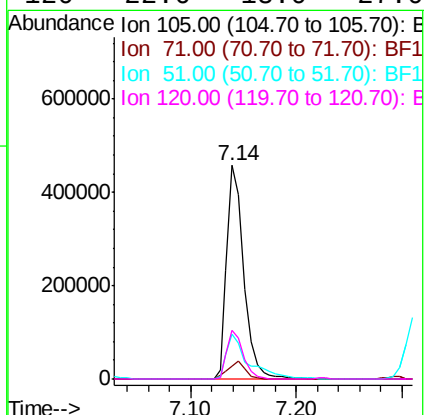
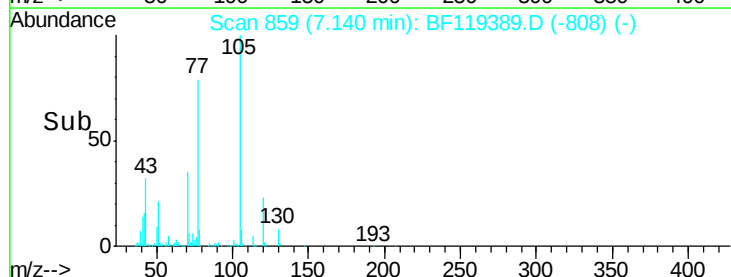
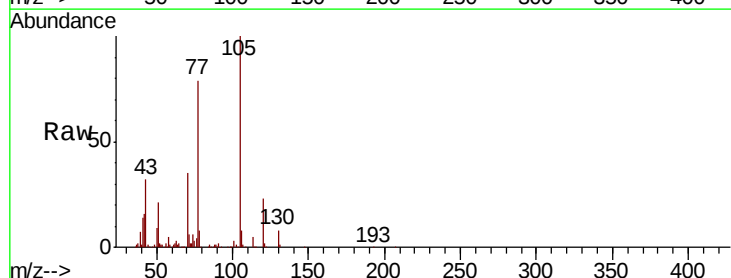
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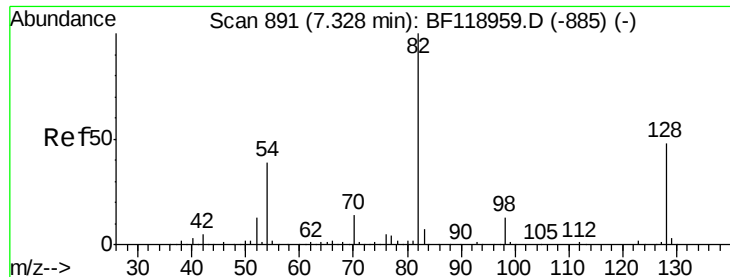
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#22
Acetophenone
Concen: 51.378 ng
RT: 7.14 min Scan# 859
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		513890		
71	5.9		3.0	4.4#	
51	21.0		20.1	30.1	
120	22.6		18.0	27.0	





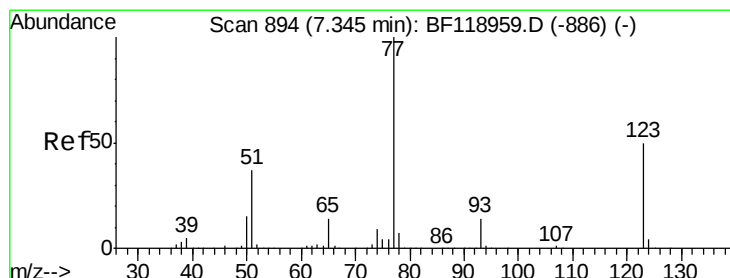
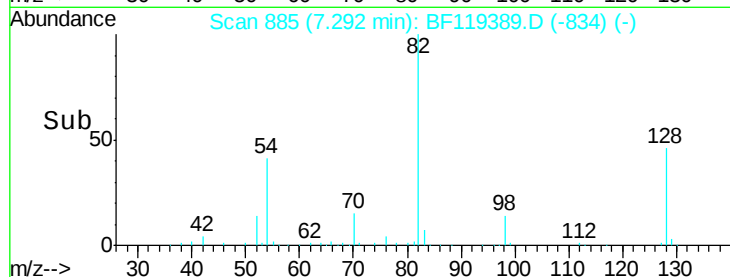
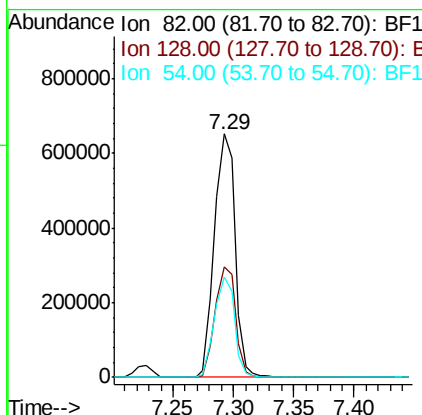
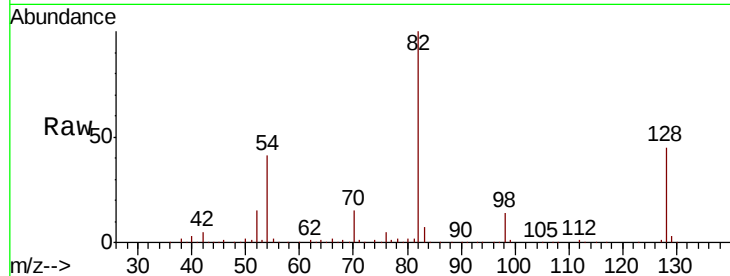
#23
 Nitrobenzene-d5
 Concen: 93.877 ng
 RT: 7.29 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	37.9	56.9
54	41.1	33.4	50.2

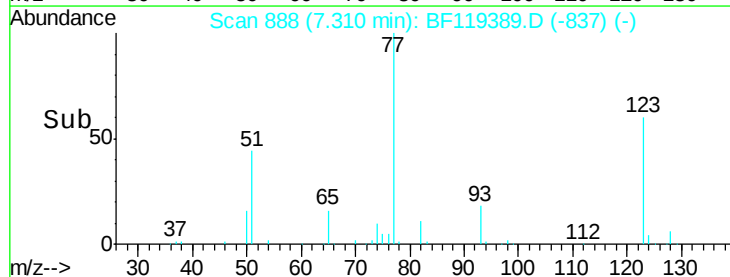
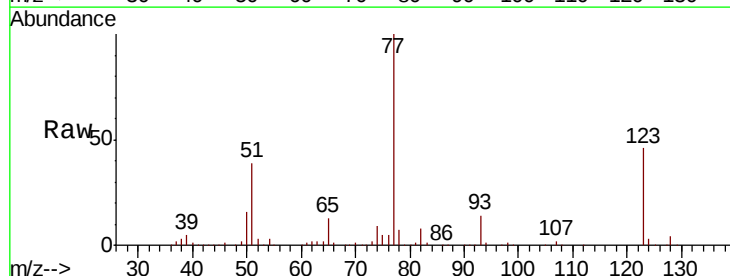
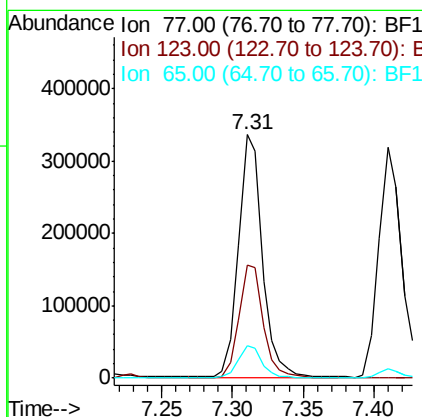
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#24
 Nitrobenzene
 Concen: 48.953 ng
 RT: 7.31 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.4	40.2	60.2
65	13.5	10.8	16.2





#25

Isophorone

Concen: 50.733 ng

RT: 7.55 min Scan# 929

Delta R.T. 0.00 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

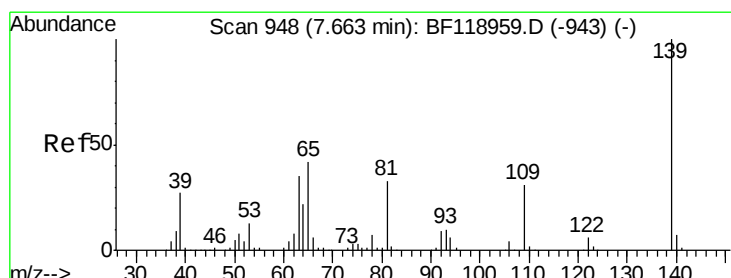
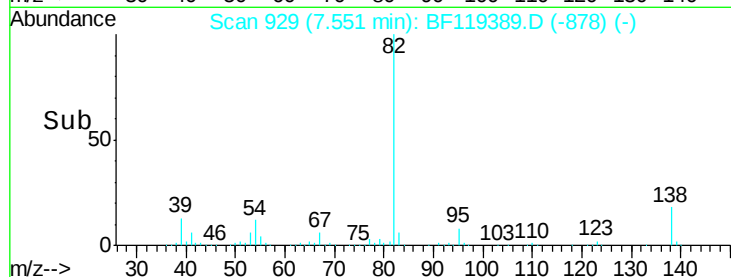
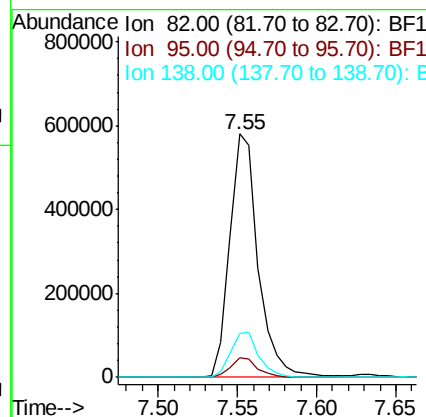
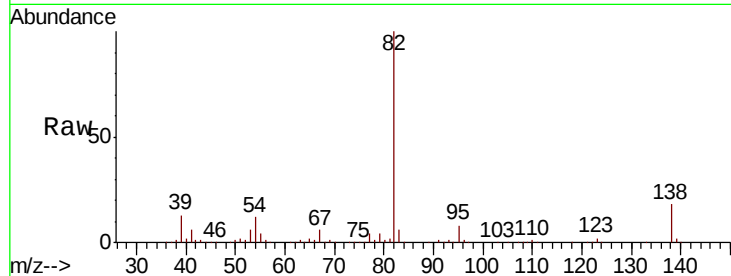
ClientSampleId :

HD-01-031120MSD

Tot Ion:	82	Resp:	721371
Ion Ratio	Lower	Upper	
82	100		
95	7.9	6.4	9.6
138	17.9	15.7	23.5

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#26

2-Nitrophenol

Concen: 48.122 ng

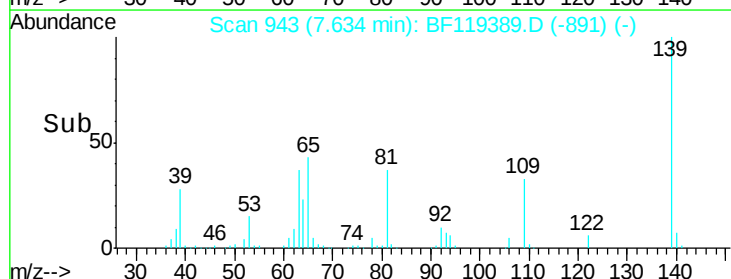
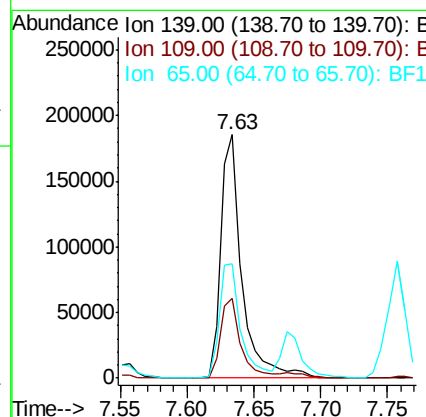
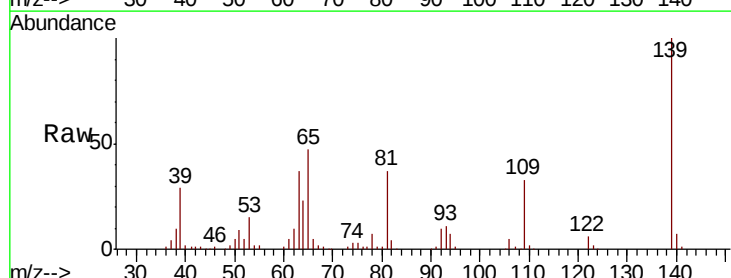
RT: 7.63 min Scan# 943

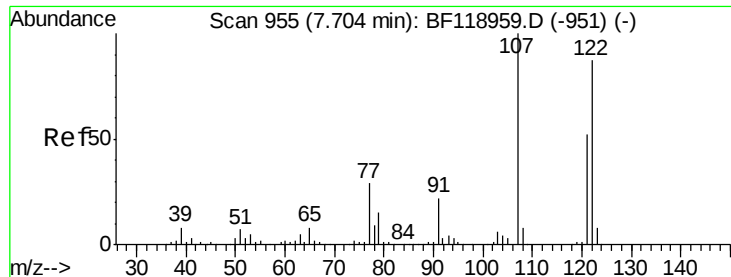
Delta R.T. 0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Tgt Ion:	139	Resp:	206437
Ion Ratio	Lower	Upper	
139	100		
109	32.6	25.7	38.5
65	46.8	37.1	55.7





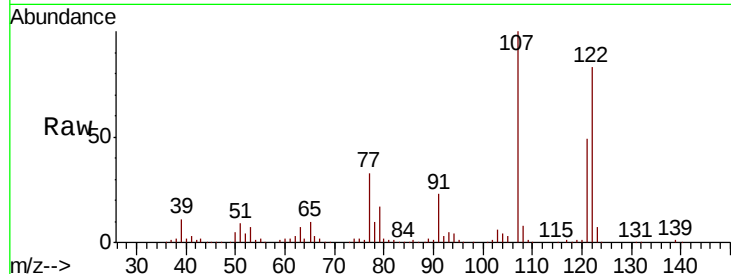
#27
2,4-Dimethylphenol
Concen: 56.564 ng
RT: 7.67 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	120.3	93.8	140.6
121	59.3	48.2	72.2

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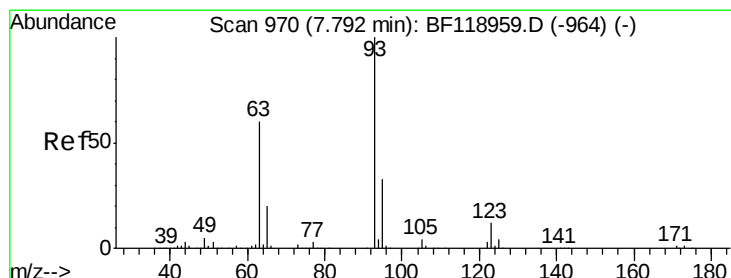
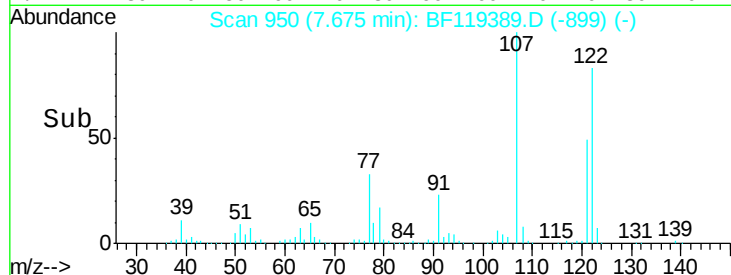
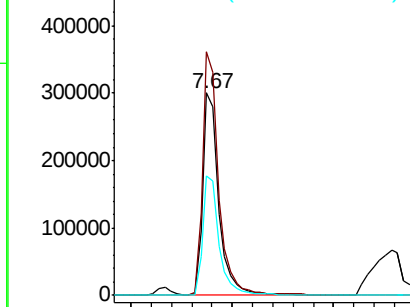


Abundance

Ion 122.00 (121.70 to 122.70): E

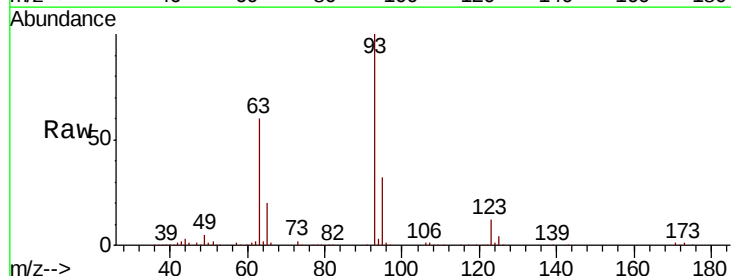
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28
bis(2-Chloroethoxy)methane
Concen: 46.782 ng
RT: 7.76 min Scan# 964
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.5	39.7
123	11.8	10.2	15.2

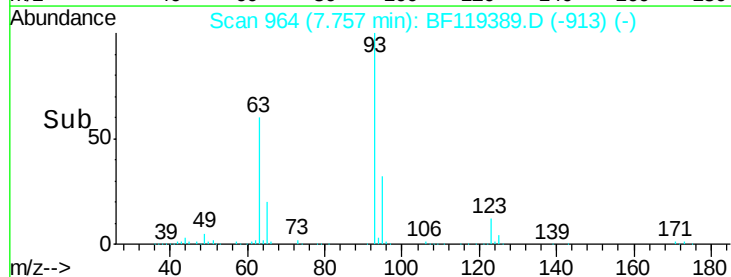
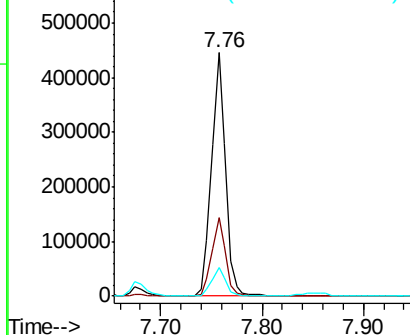


Abundance

Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





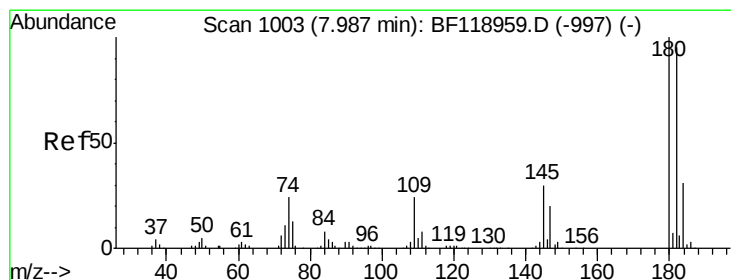
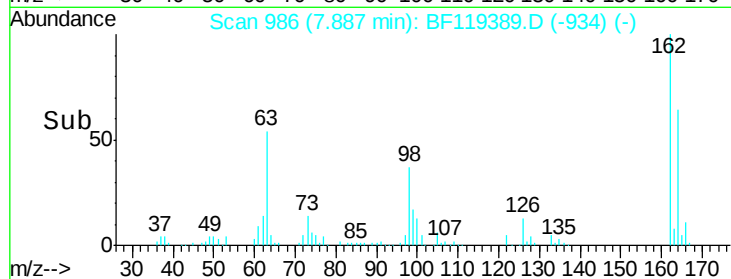
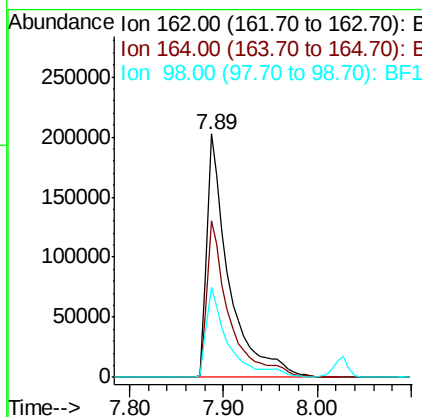
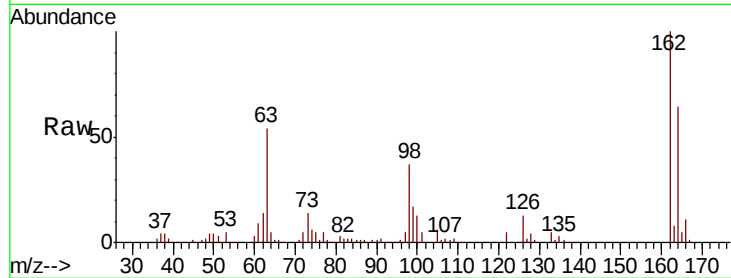
#29
2,4-Dichlorophenol
Concen: 48.630 ng
RT: 7.89 min Scan# 986
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		333311		
164	64.5	45.2		85.2	
98	36.9	17.4		57.4	

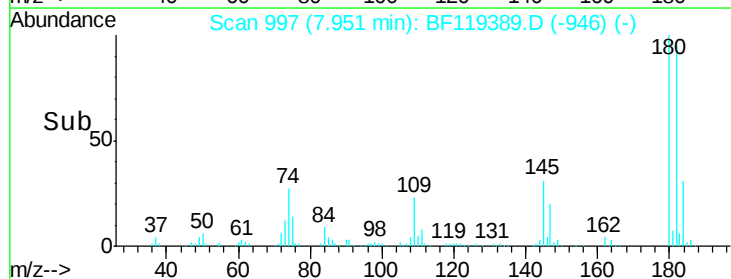
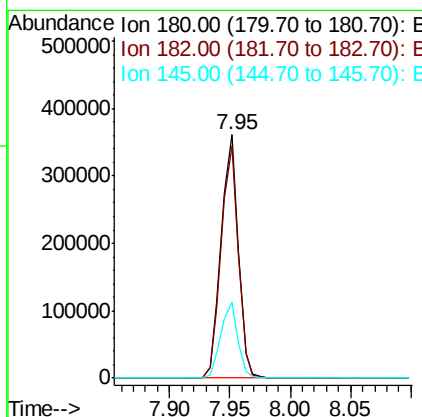
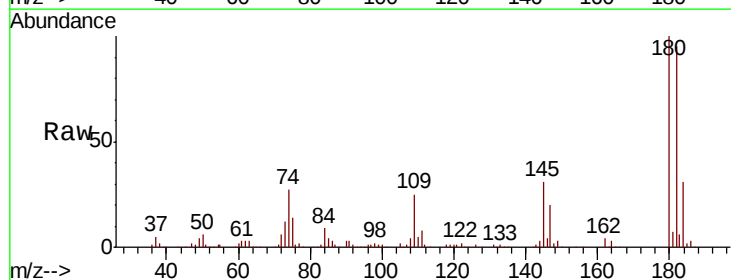
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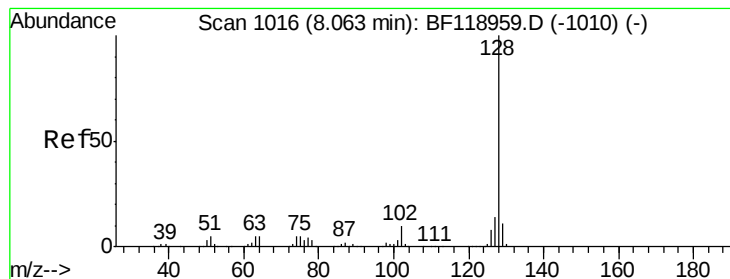
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 43.547 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		353883		
182	95.1	77.8		116.6	
145	31.3	25.2		37.8	





#31

Naphthalene

Concen: 47.992 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

ClientSampleId :

HD-01-031120MSD

Tot Ion:128 Resp: 1075952

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.2

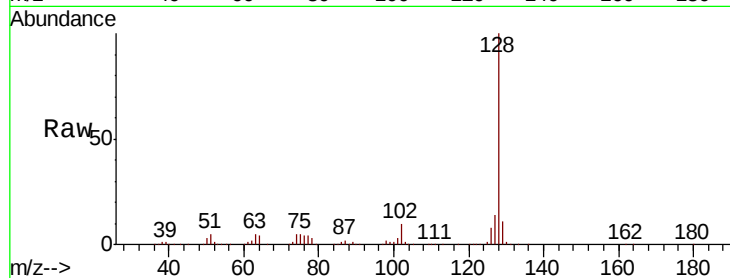
127 13.7 11.4 17.2

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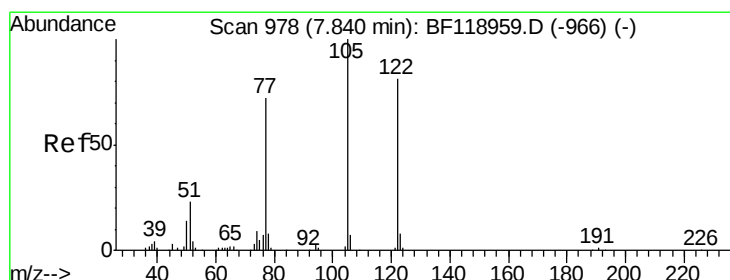
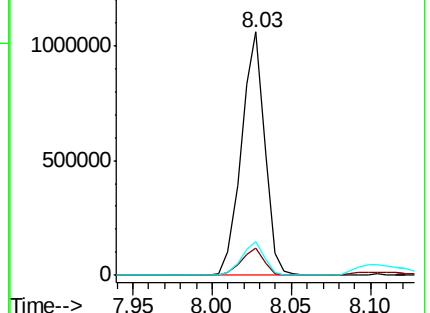
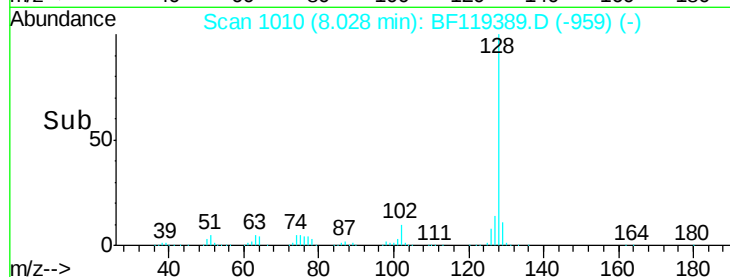
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 37.125 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.02 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

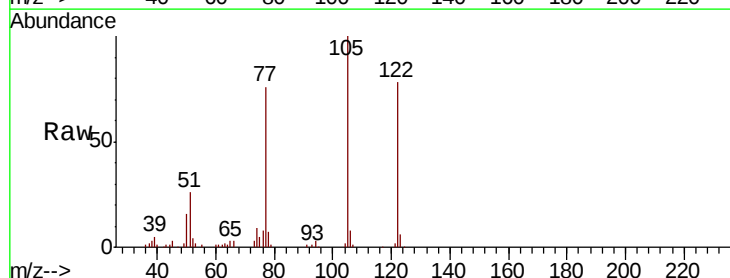
Tgt Ion:122 Resp: 150248

Ion Ratio Lower Upper

122 100

105 128.5 106.3 146.3

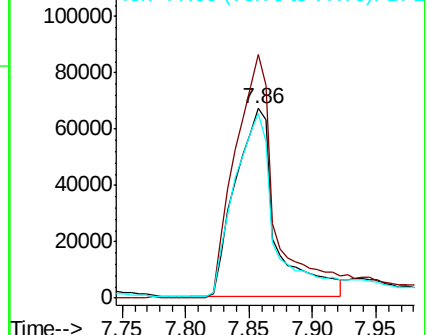
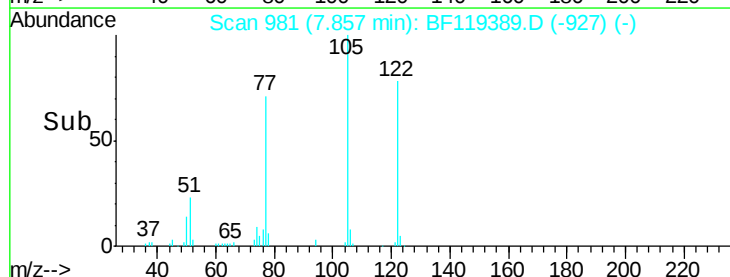
77 97.7 73.1 113.1



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





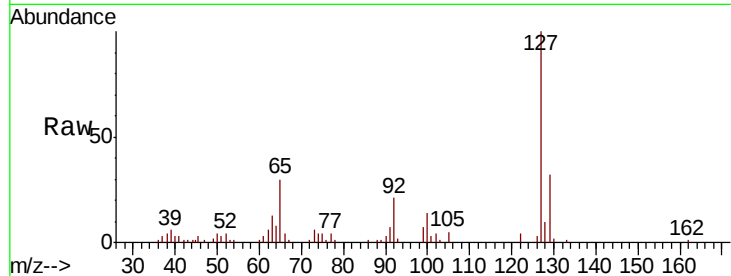
#33
4-Chloroaniline
Concen: 11.811 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.1	25.9	38.9		
65	30.1	23.9	35.9		
92	21.3	16.3	24.5		

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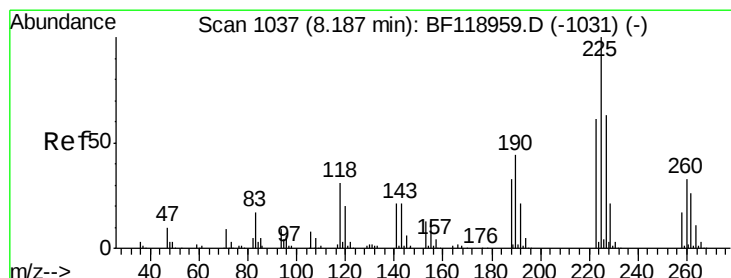
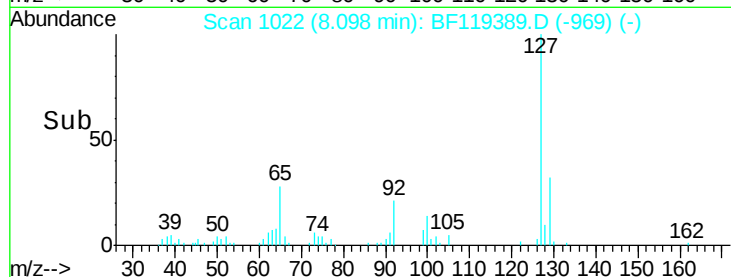
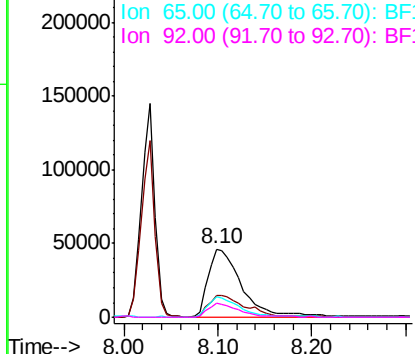
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 42.279 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

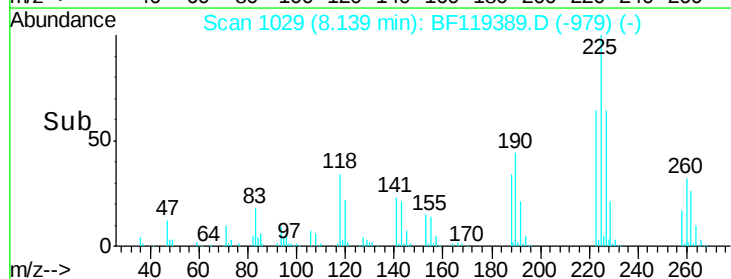
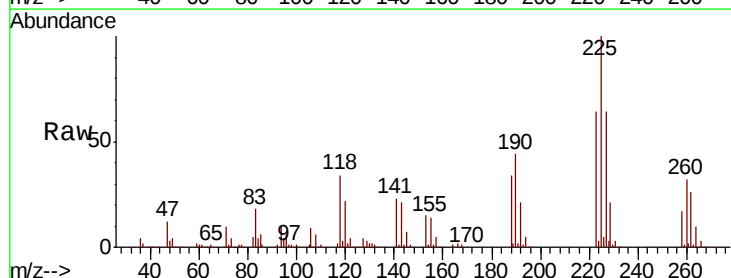
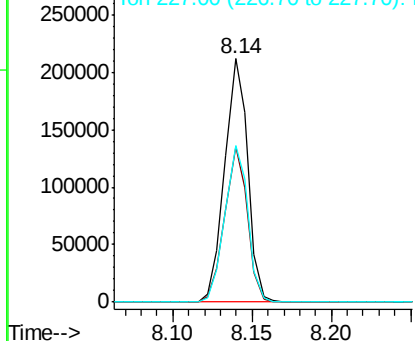
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.8	49.4	74.2		
227	64.3	52.9	79.3		

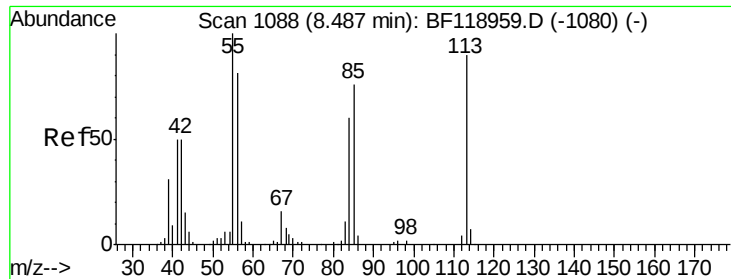
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





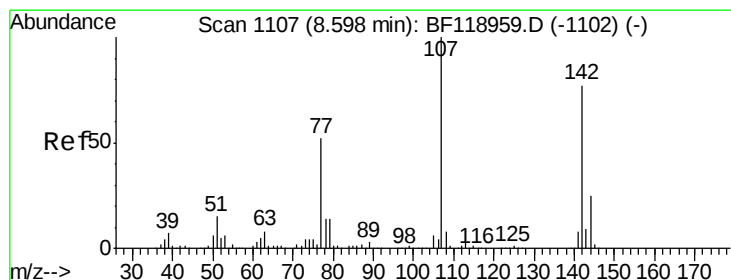
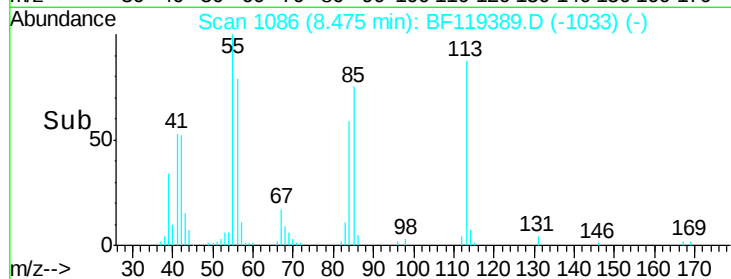
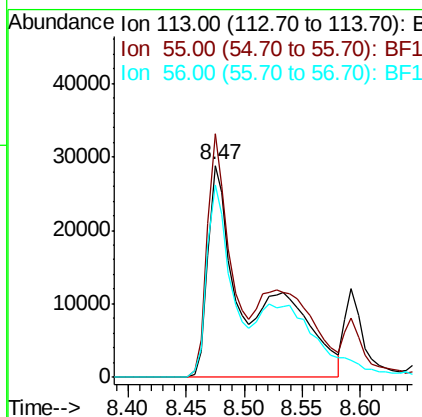
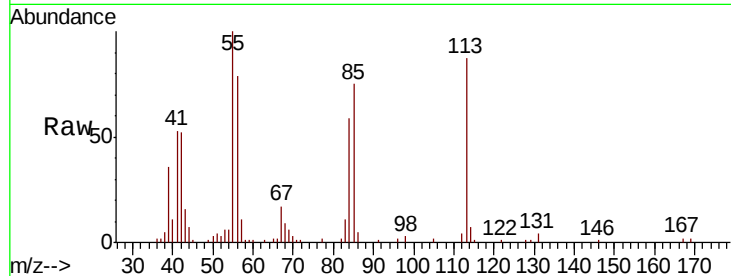
#35
 Caprolactam
 Concen: 36.797 ng/ml
 RT: 8.47 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-031120MSD

Tot Ion:113 Resp: 77660
 Ion Ratio Lower Upper
 113 100
 55 114.9 95.7 135.7
 56 90.6 73.1 113.1

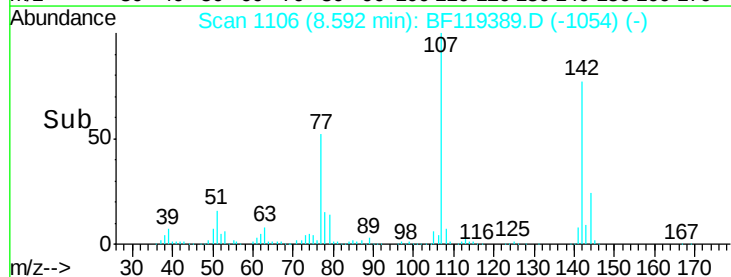
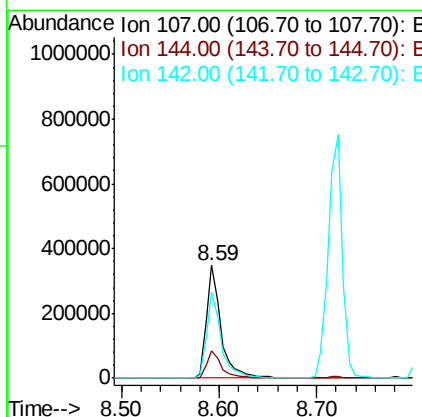
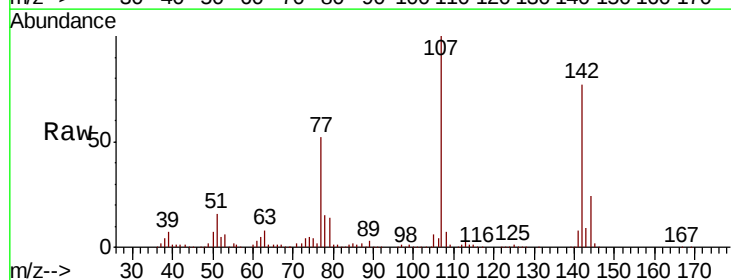
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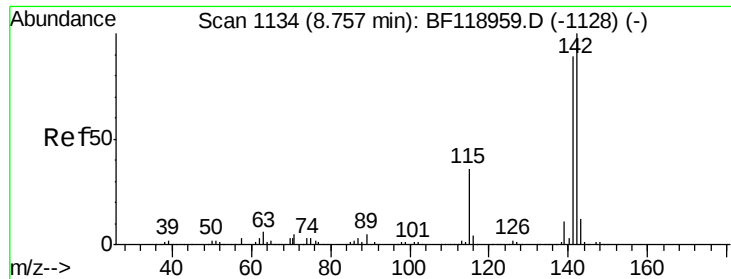
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#36
 4-Chloro-3-methylphenol
 Concen: 52.100 ng/ml
 RT: 8.59 min Scan# 1106
 Delta R.T. 0.01 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Tgt Ion:107 Resp: 361399
 Ion Ratio Lower Upper
 107 100
 144 24.5 20.1 30.1
 142 77.0 61.4 92.2





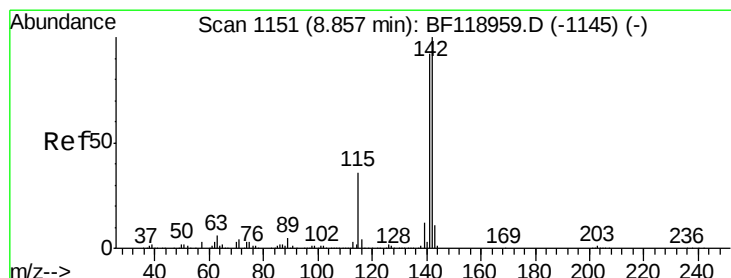
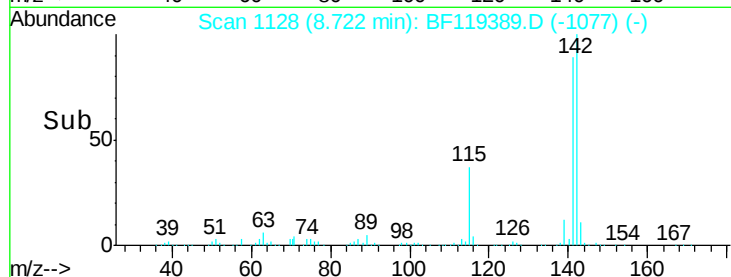
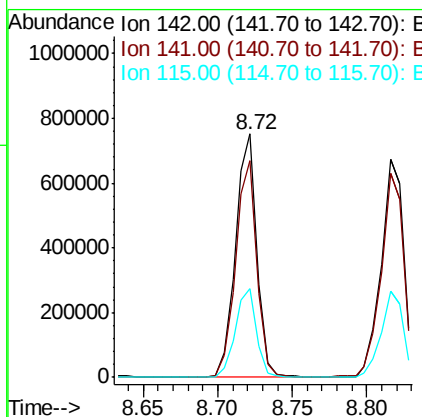
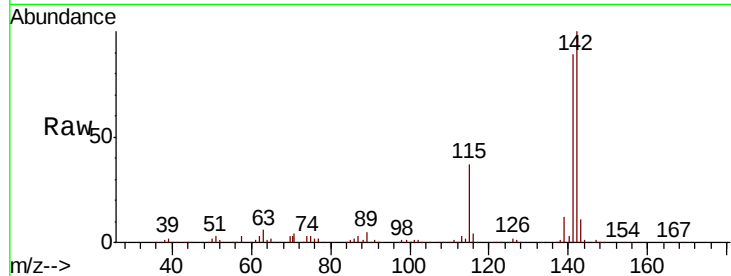
#37
2-Methylnaphthalene
Concen: 49.594 ng
RT: 8.72 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.3	108.5
115	36.7	30.6	45.8

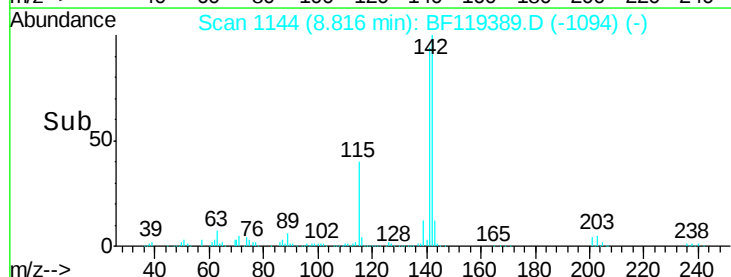
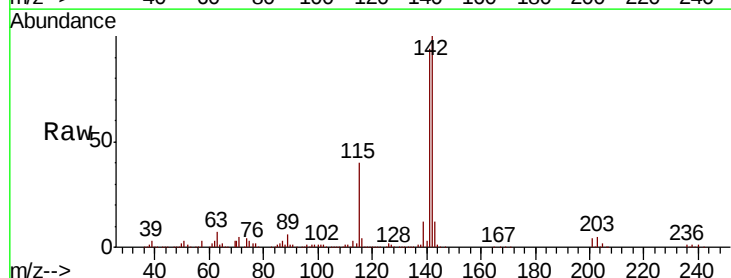
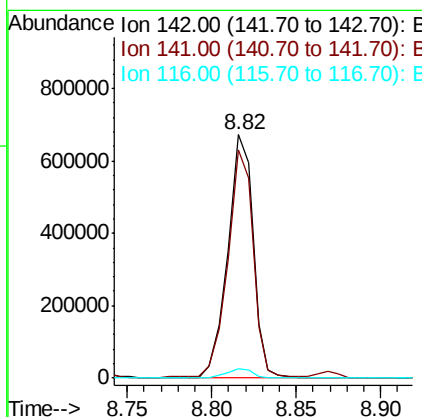
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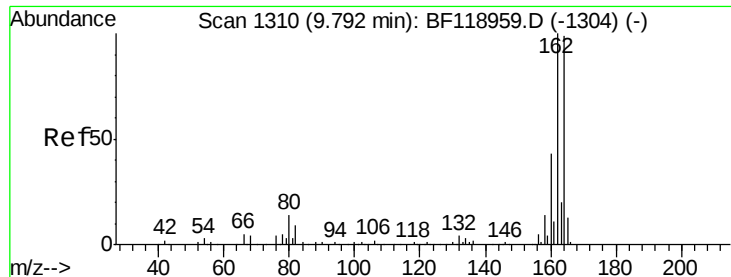
mohammad
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#38
1-Methylnaphthalene
Concen: 49.296 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.7	75.8	113.6
116	4.1	3.1	4.7





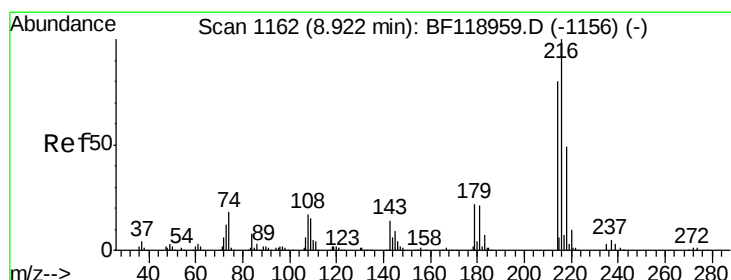
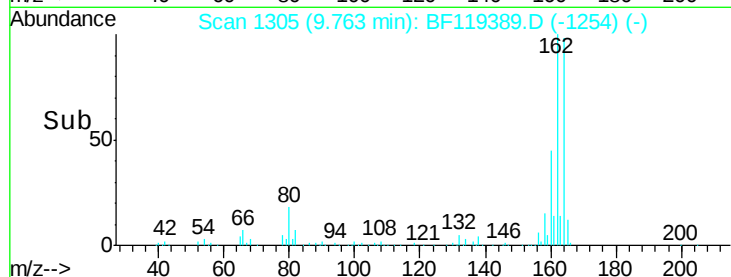
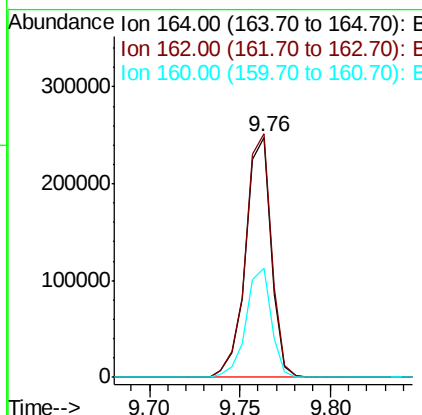
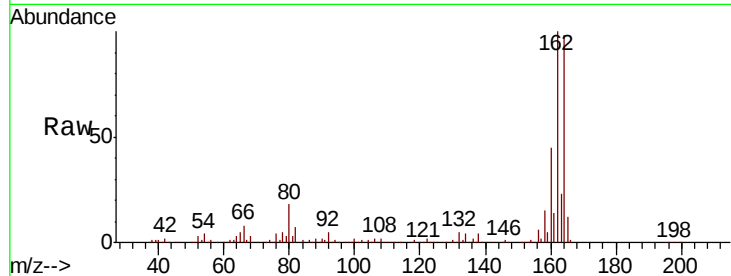
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.8	122.8
160	45.4	36.0	54.0

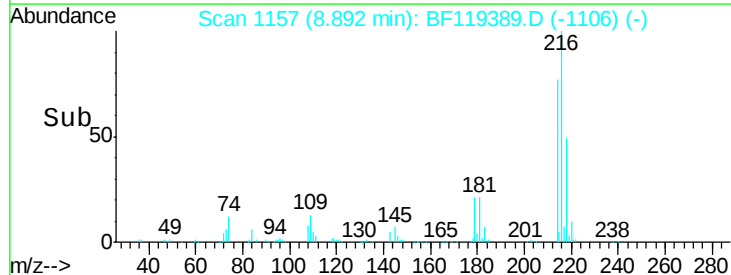
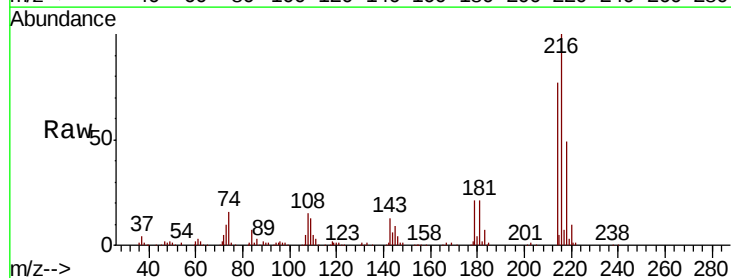
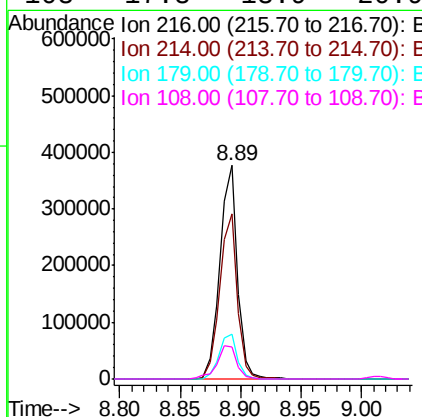
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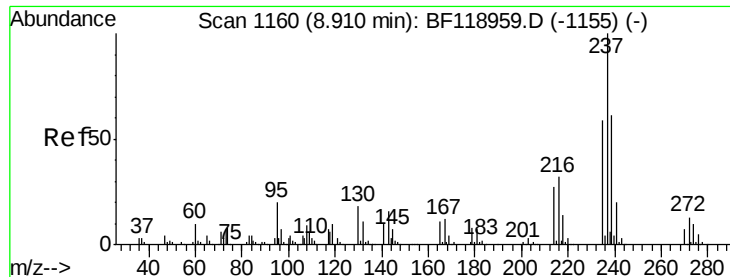
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.828 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.3	94.9
179	21.7	17.7	26.5
108	17.8	13.9	20.9





#41

Hexachlorocyclopentadiene

Concen: 47.088 ng

RT: 8.87 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

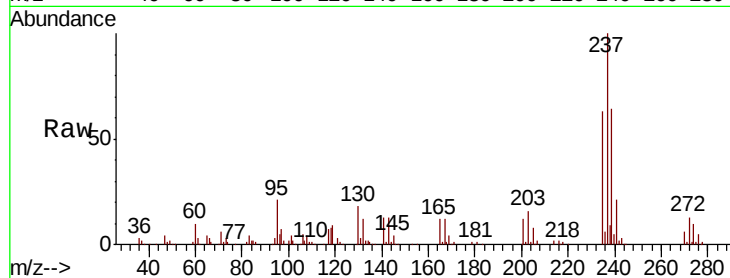
ClientSampleId :

HD-01-031120MSD

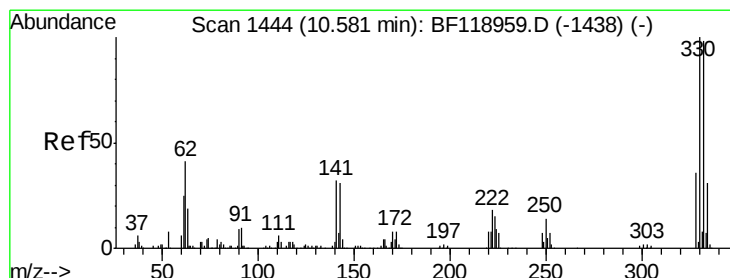
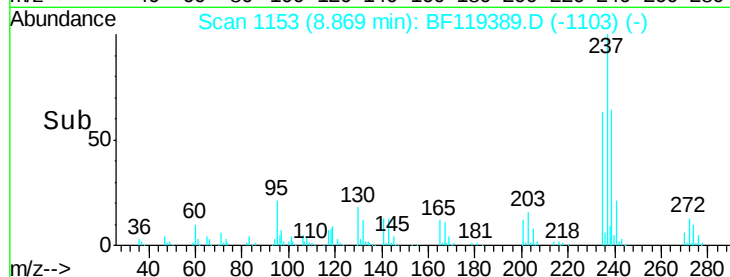
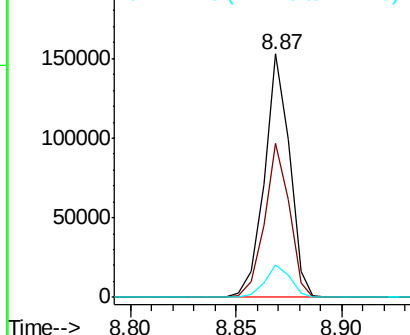
Tot Ion:	237	Resp:	127003
Ion Ratio	Lower	Upper	
237	100		
235	63.5	42.3	82.3
272	13.1	0.0	33.5

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



#42

2,4,6-Tribromophenol

Concen: 133.730 ng

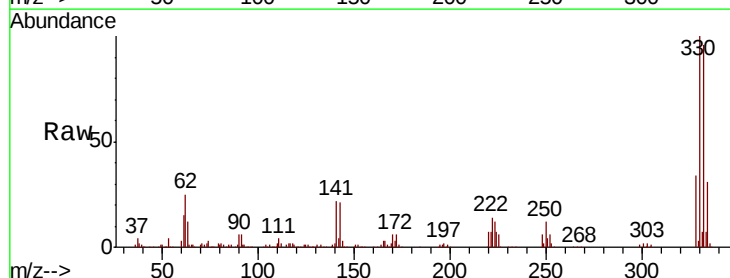
RT: 10.56 min Scan# 1441

Delta R.T. 0.01 min

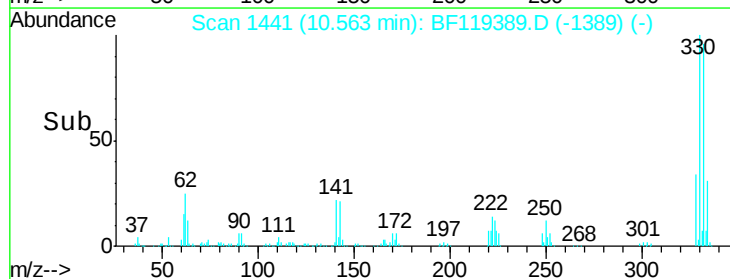
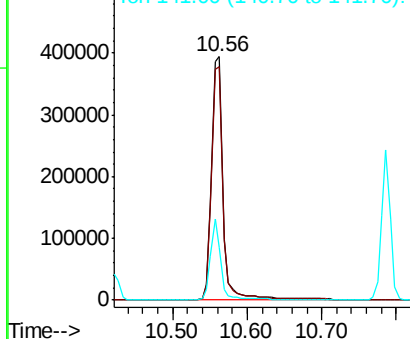
Lab File: BF119389.D

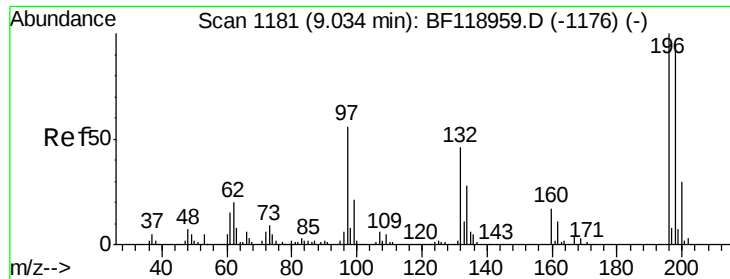
Acq: 12 Mar 2020 19:33

Tgt Ion:	330	Resp:	423889
Ion Ratio	Lower	Upper	
330	100		
332	96.7	76.0	114.0
141	29.3	22.9	34.3



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





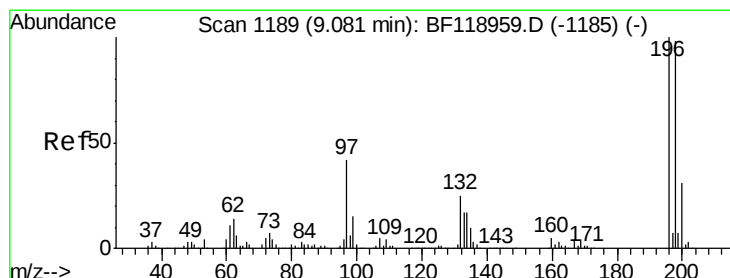
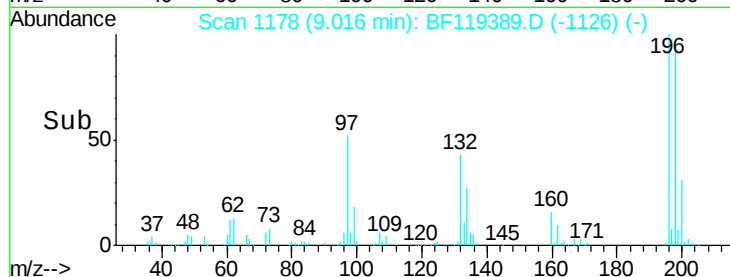
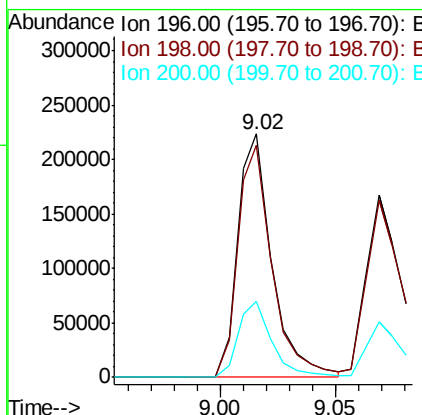
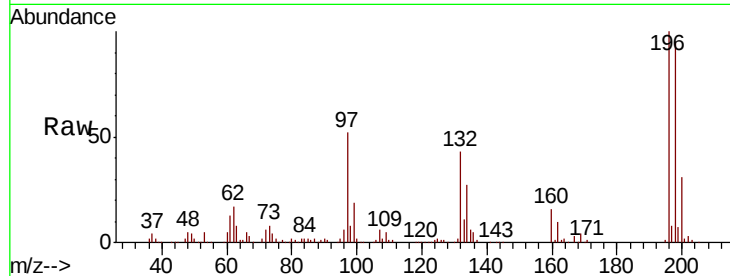
#43
 2,4,6-Trichlorophenol
 Concen: 44.719 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. 0.01 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-031120MSD

Tot Ion:	196	Resp:	230705
Ion Ratio	Lower	Upper	
196	100		
198	95.1	77.1	115.7
200	31.2	25.0	37.6

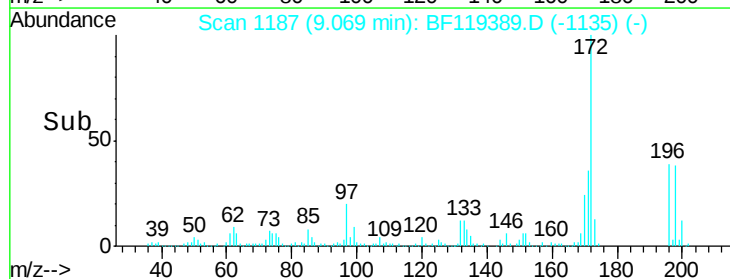
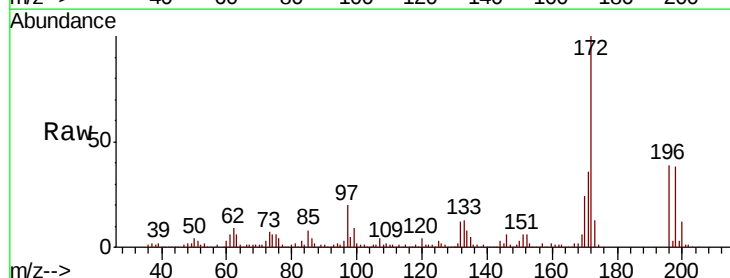
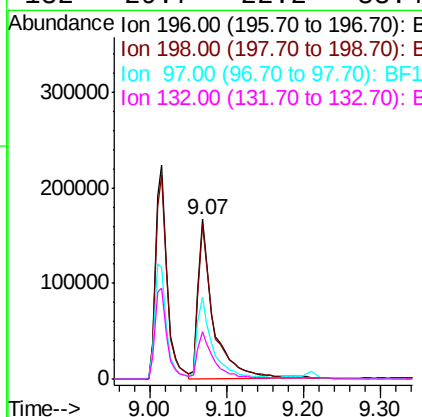
Manual Integrations
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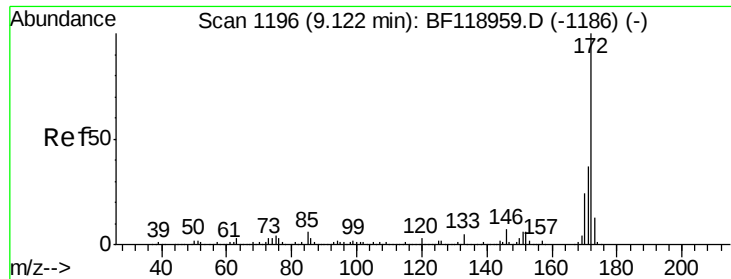
mohammad
 3/16/2020 1:47:37 PM



#44
 2,4,5-Trichlorophenol
 Concen: 43.304 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Tgt Ion:	196	Resp:	234432
Ion Ratio	Lower	Upper	
196	100		
198	97.2	76.8	115.2
97	51.5	38.5	57.7
132	29.7	22.2	33.4





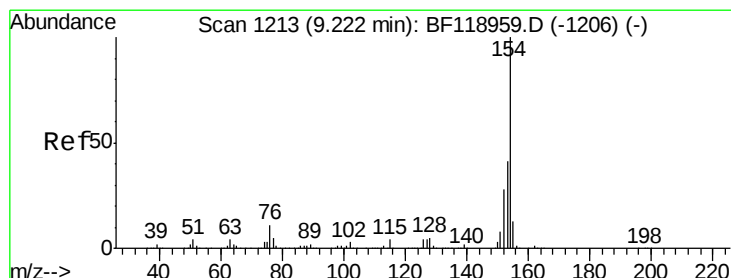
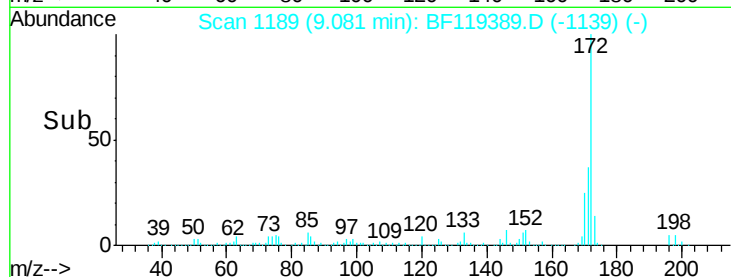
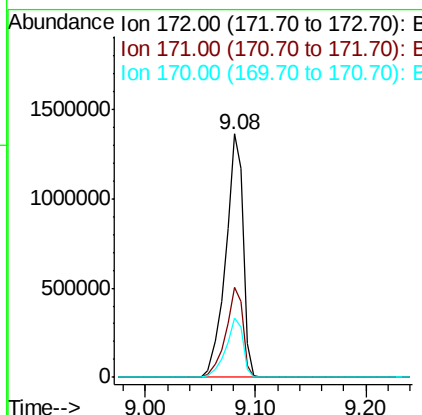
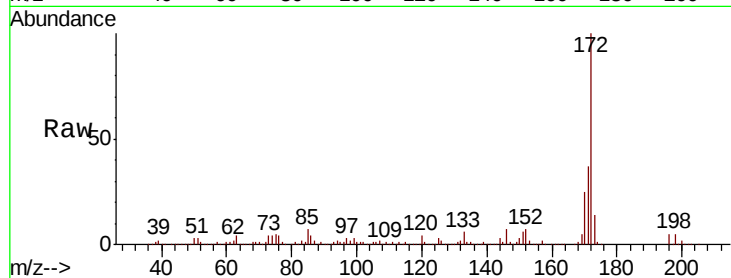
#45
2-Fluorobiphenyl
Concen: 91.133 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.6	45.8
170	24.6	20.2	30.2

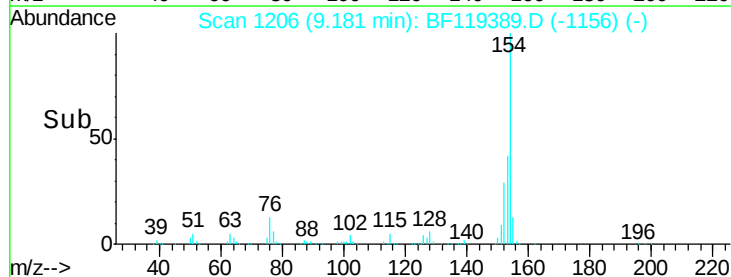
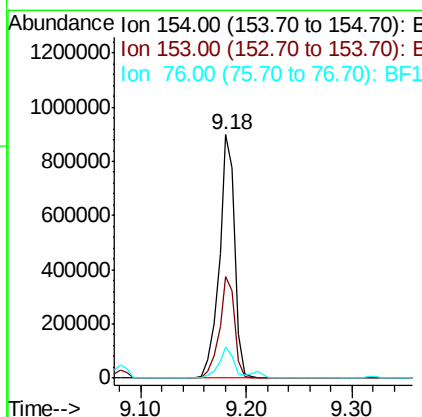
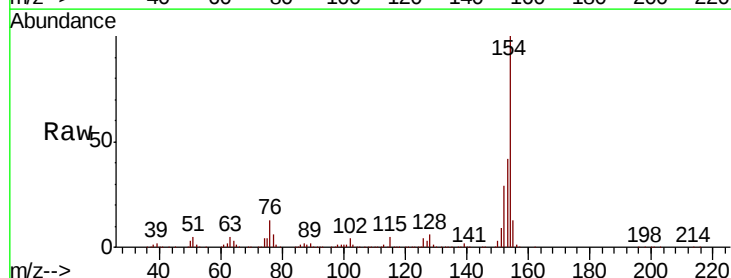
Manual Integrations
APPROVED

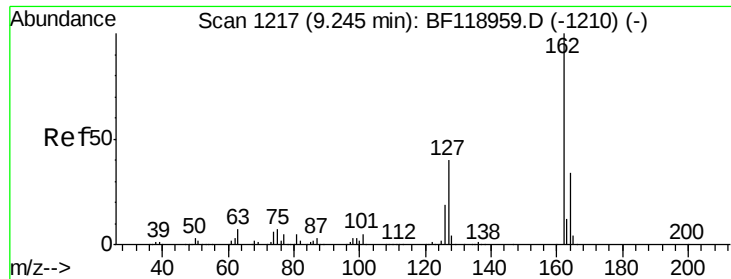
mohammad
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#46
1,1'-Biphenyl
Concen: 46.887 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.9	22.8	62.8
76	12.6	0.0	32.2





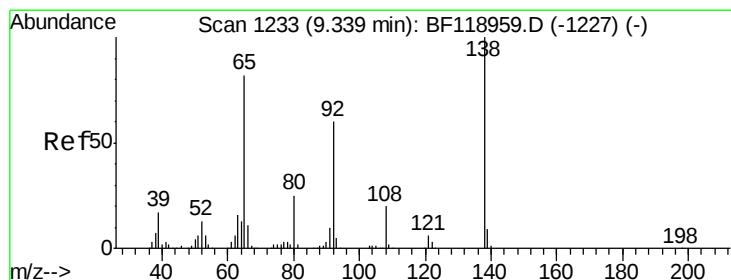
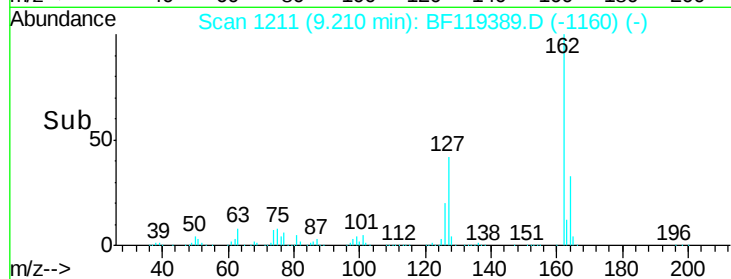
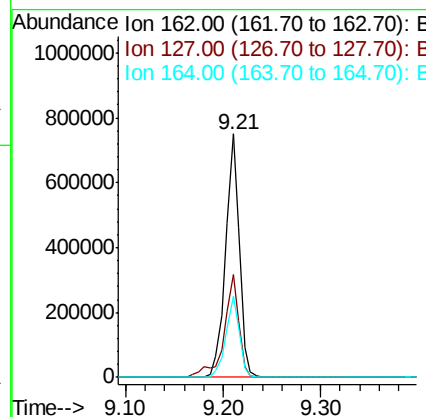
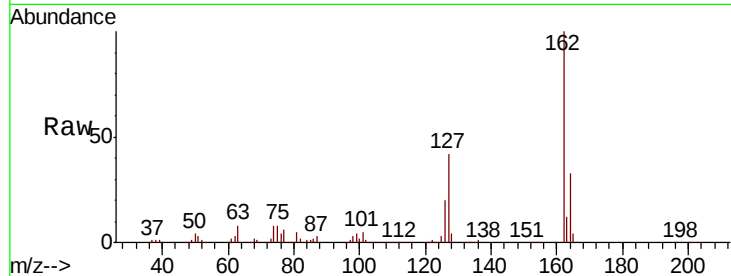
#47
2-Chloronaphthalene
Concen: 46.411 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	42.4	35.0	52.4	
164	33.1	27.2	40.8	

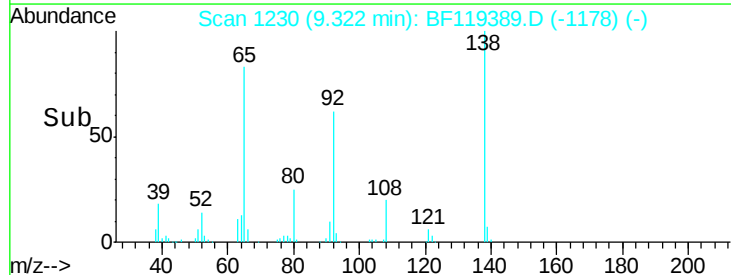
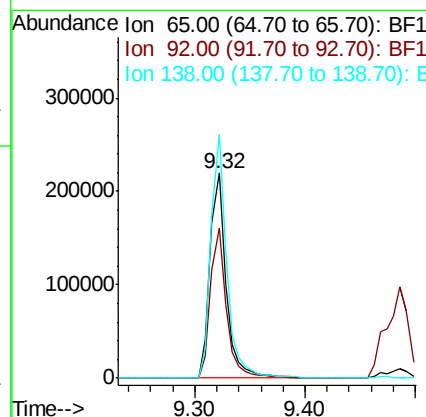
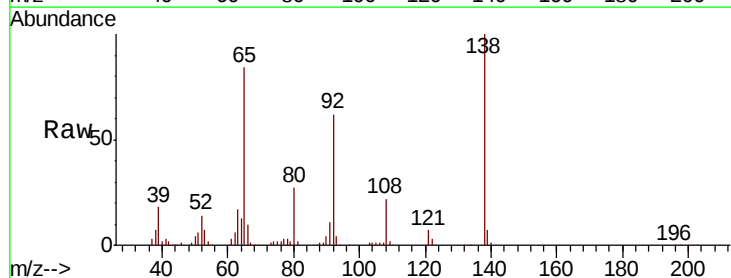
Manual Integrations
APPROVED

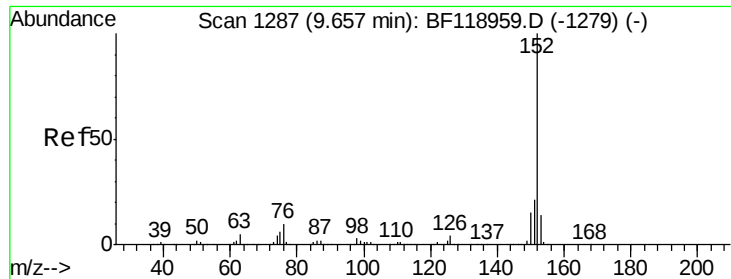
mohammad
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#48
2-Nitroaniline
Concen: 49.545 ng
RT: 9.32 min Scan# 1230
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	73.4	58.2	87.2	
138	118.9	95.6	143.4	





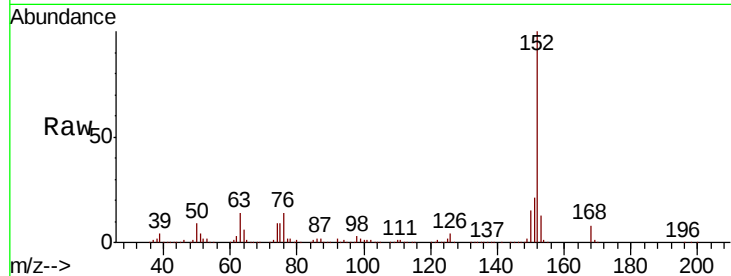
#49
Acenaphthylene
Concen: 48.425 ng
RT: 9.62 min Scan# 1281
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.9	25.3
153	13.2	11.0	16.6

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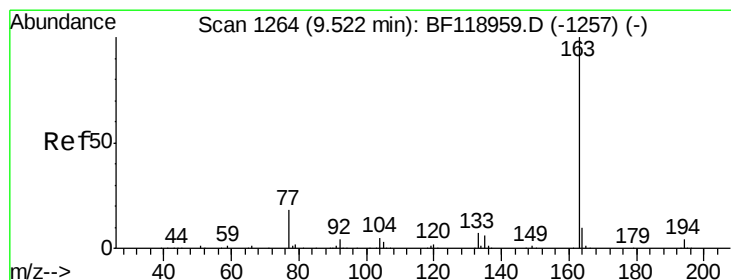
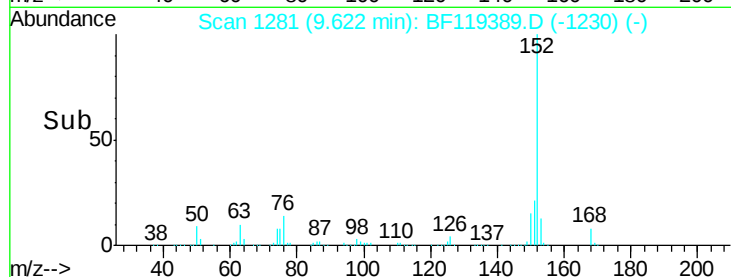
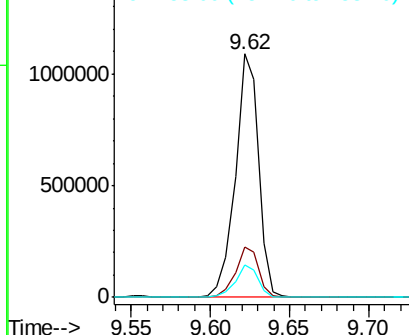


Abundance

Ion 152.00 (151.70 to 152.70): E

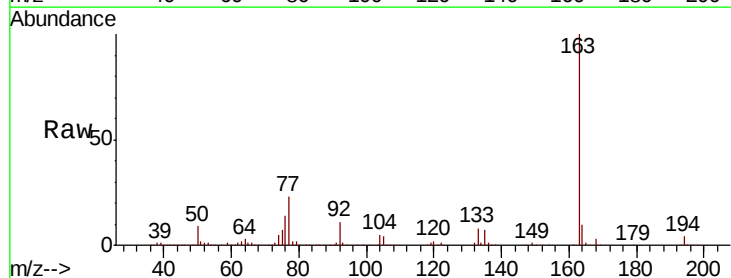
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 49.585 ng
RT: 9.49 min Scan# 1258
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.5	8.4	12.6

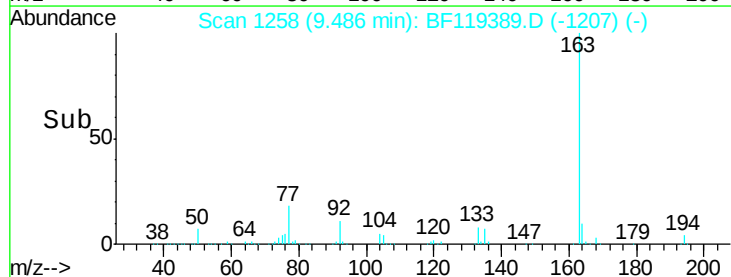
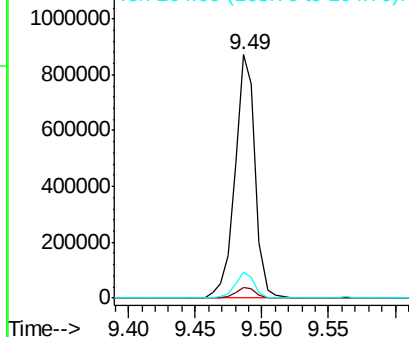


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





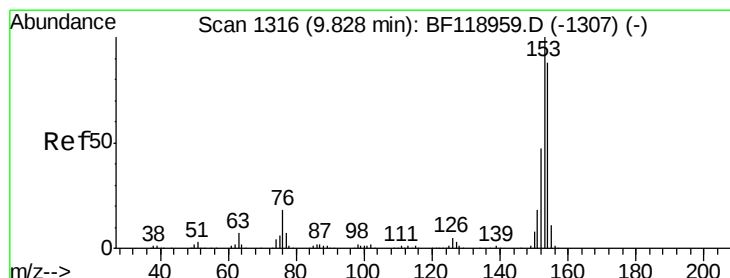
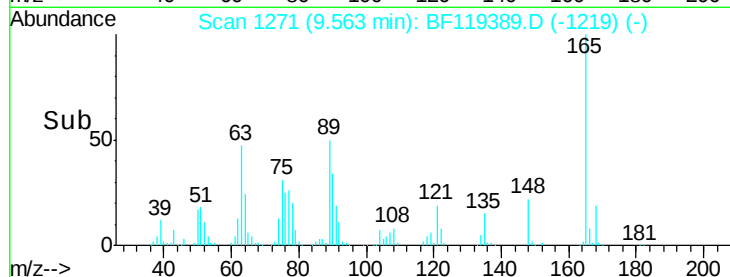
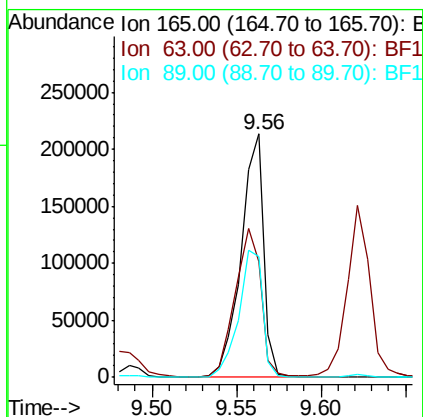
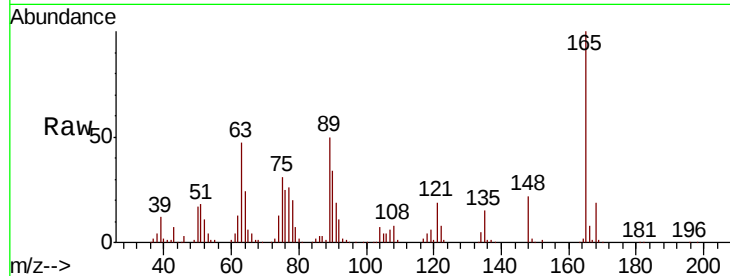
#51
2,6-Dinitrotoluene
Concen: 48.509 ng
RT: 9.56 min Scan# 1271
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	199687		
63	47.3		34.3	51.5
89	49.8		38.3	57.5

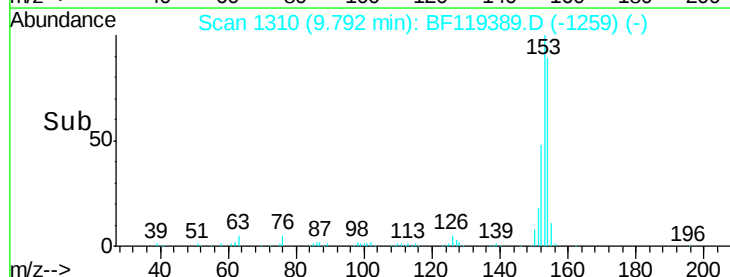
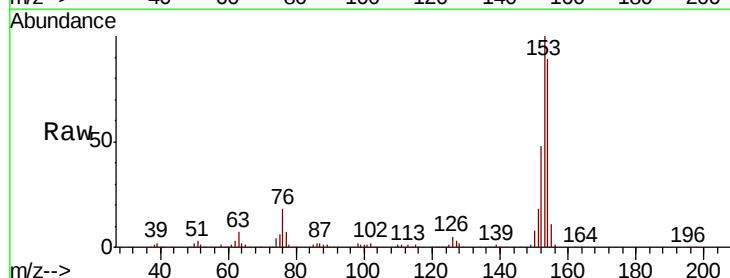
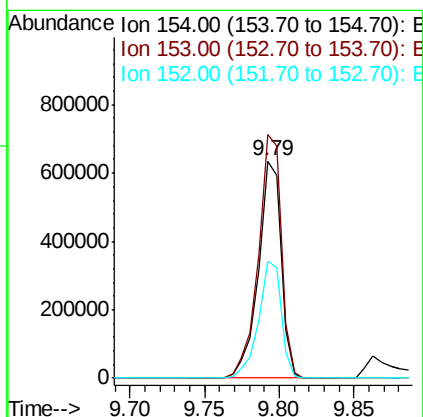
Manual Integrations
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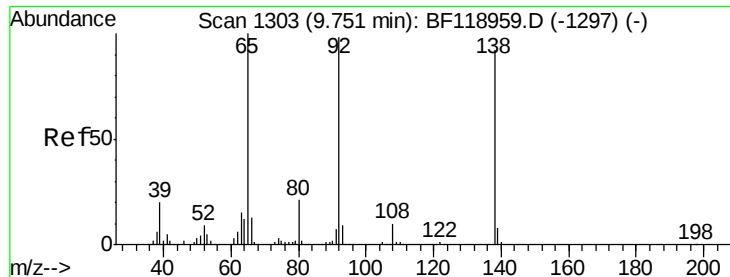
mohammad
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#52
Acenaphthene
Concen: 48.382 ng
RT: 9.79 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	664932		
153	112.1		90.3	135.5
152	53.7		43.8	65.8





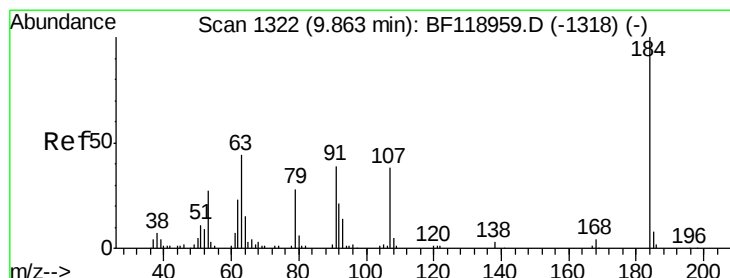
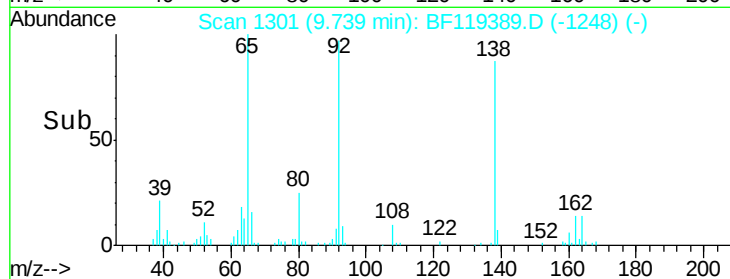
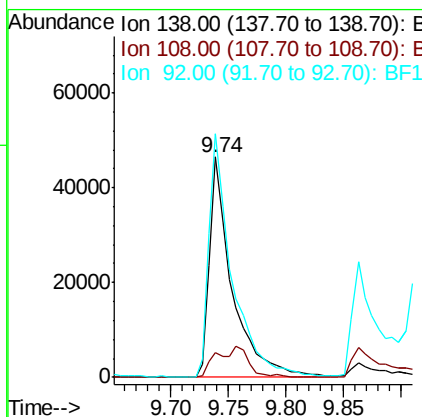
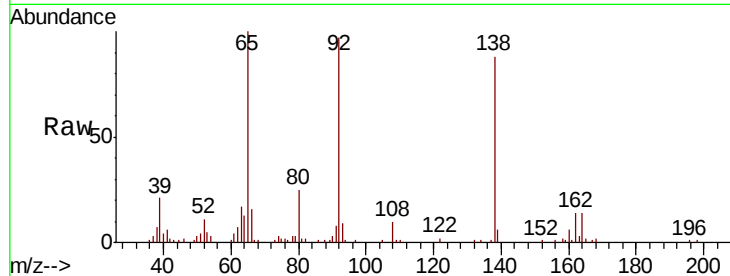
#53
3-Nitroaniline
Concen: 14.015 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.5	8.8	13.2
92	110.6	84.8	127.2

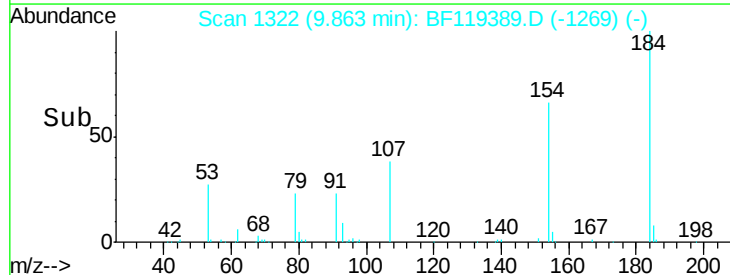
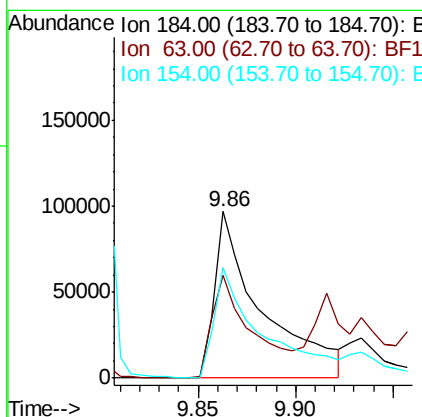
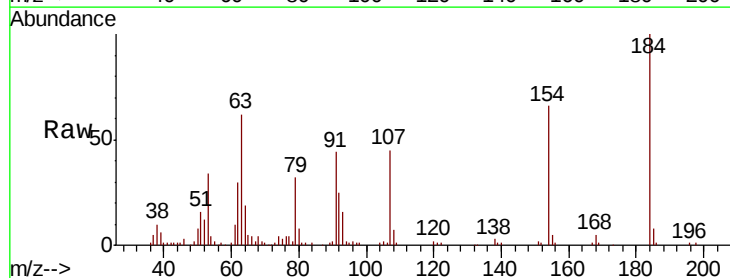
Manual Integrations
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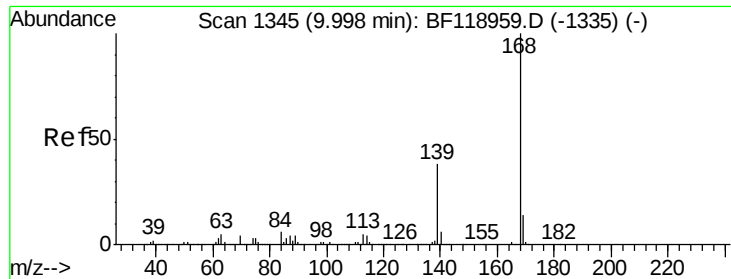
mohammad
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#54
2,4-Dinitrophenol
Concen: 81.204 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
184	100		
63	62.1	38.7	58.1#
154	66.3	49.7	74.5





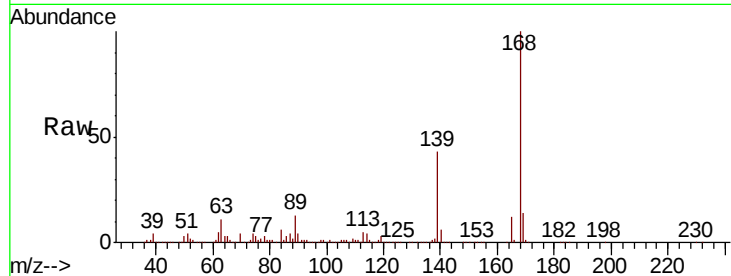
#55
Dibenzofuran
Concen: 48.246 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

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

Manual Integrations
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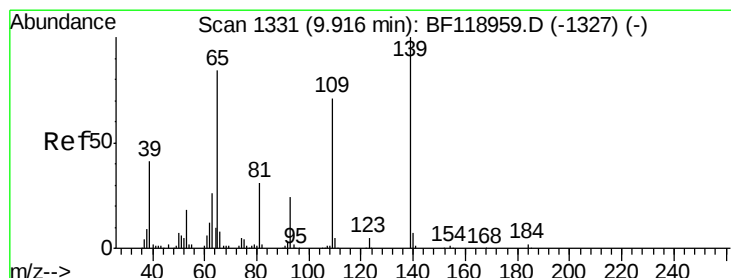
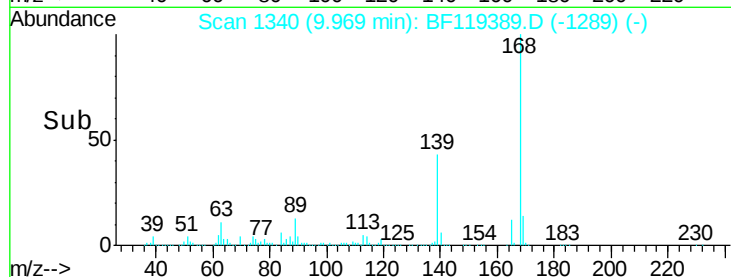
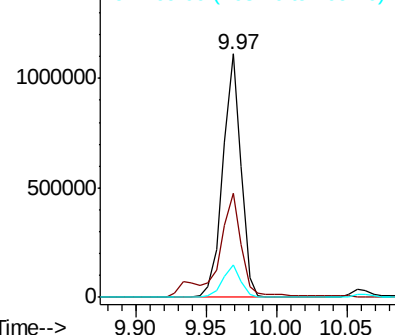


Abundance

Ion 168.00 (167.70 to 168.70): E

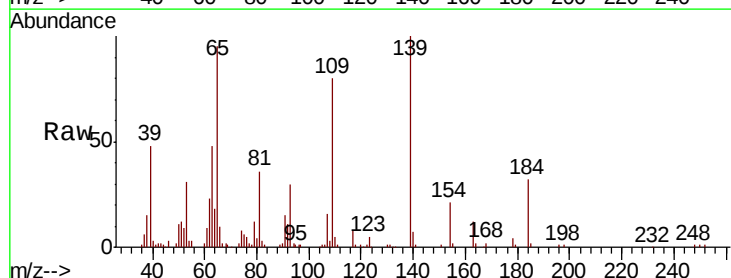
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 27.819 ng m
RT: 9.93 min Scan# 1334
Delta R.T. 0.02 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
139	100		
109	80.3	56.7	96.7
65	95.2	65.0	105.0

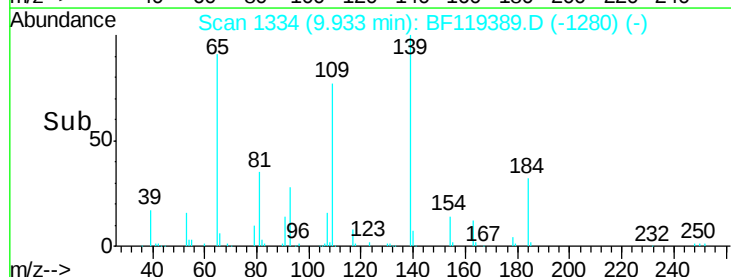
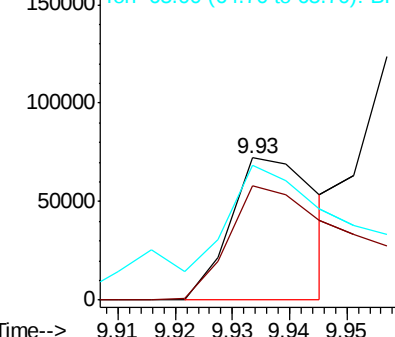


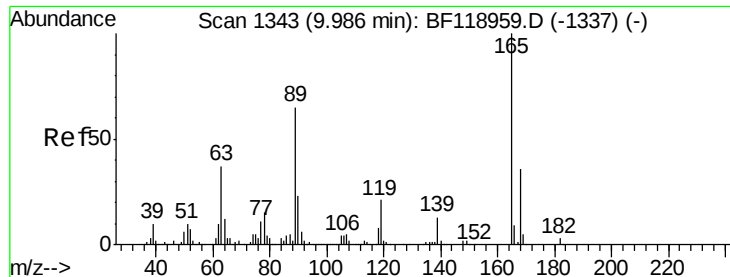
Abundance

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





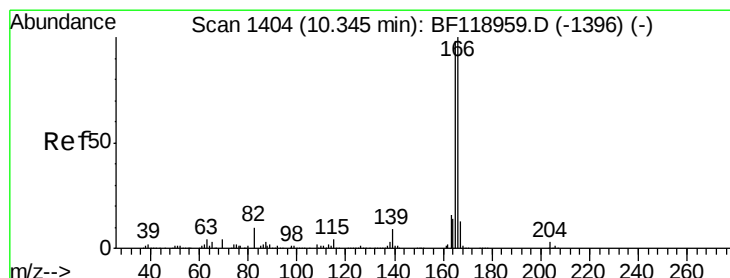
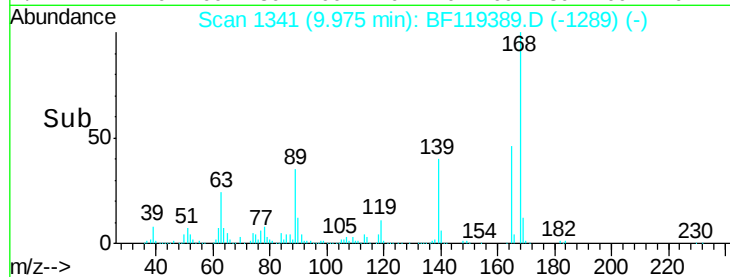
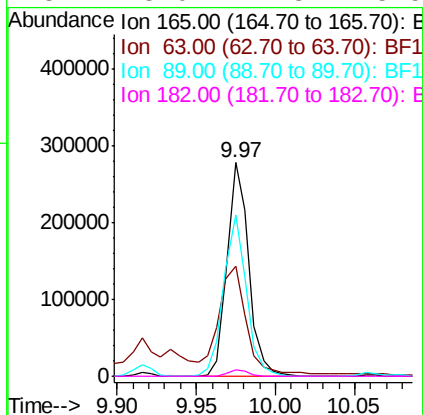
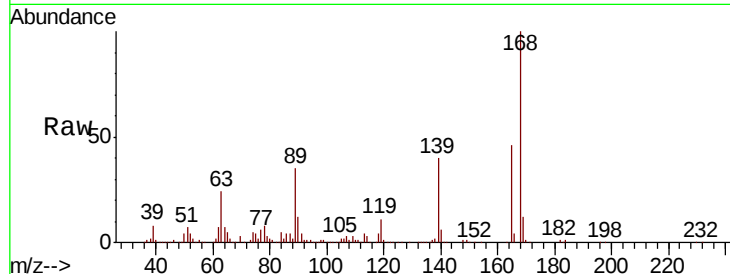
#57
 2,4-Dinitrotoluene
 Concen: 49.233 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-031120MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		262691		
63	51.6	42.3	63.5		
89	75.8	60.2	90.4		
182	3.0	2.3	3.5		

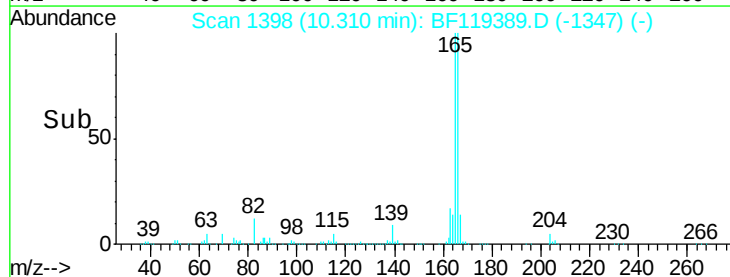
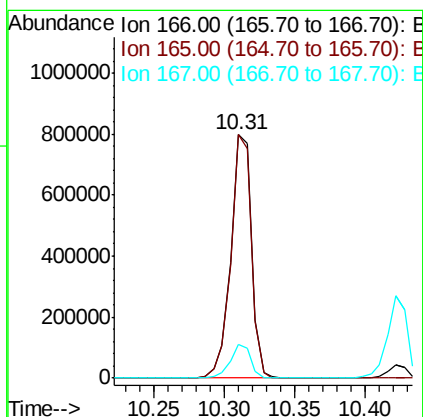
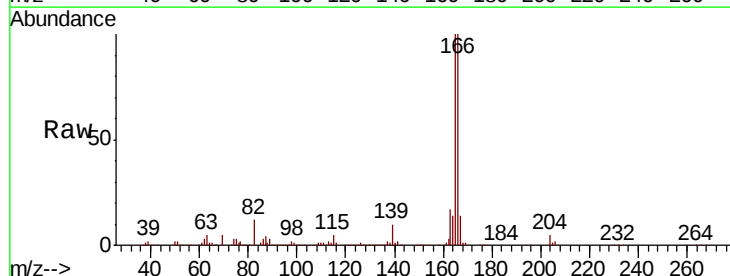
Manual Integrations
 APPROVED

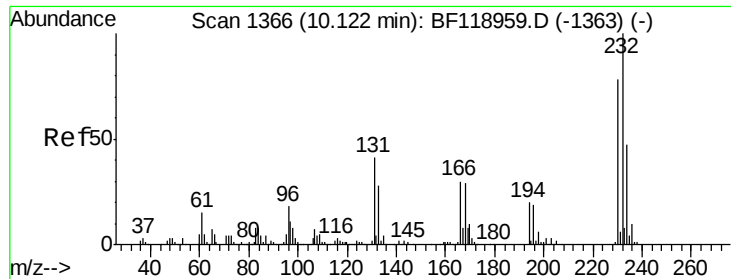
mohammad
 3/16/2020 1:47:37 PM



#58
 Fluorene
 Concen: 50.891 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. 0.00 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		811208		
165	100.1	78.5	117.7		
167	13.9	11.0	16.4		





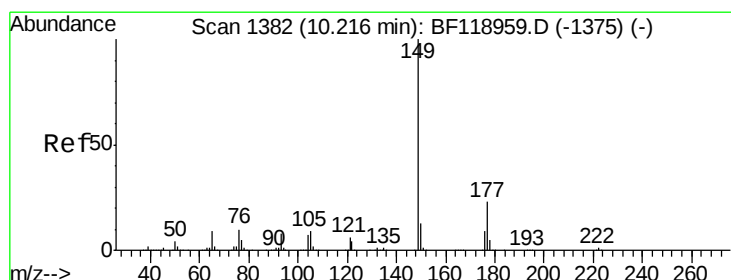
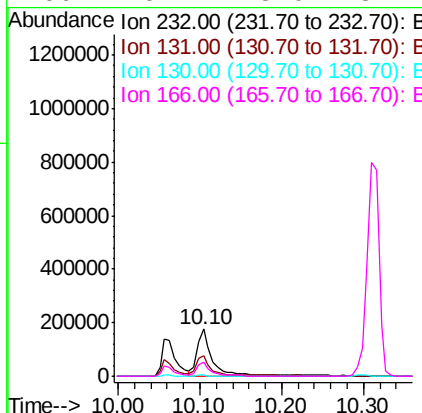
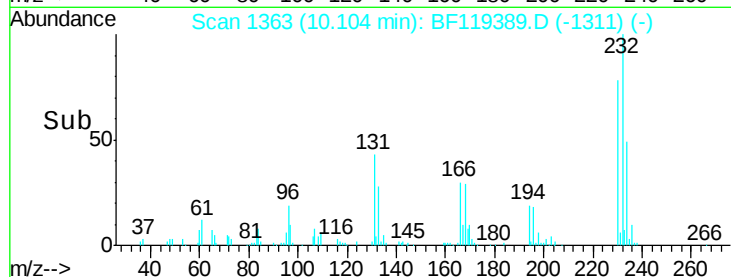
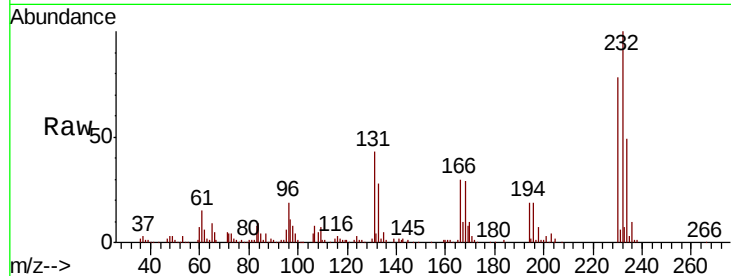
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.144 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	39.0	33.8	50.8
130	2.4	1.8	2.6
166	26.2	23.0	34.4

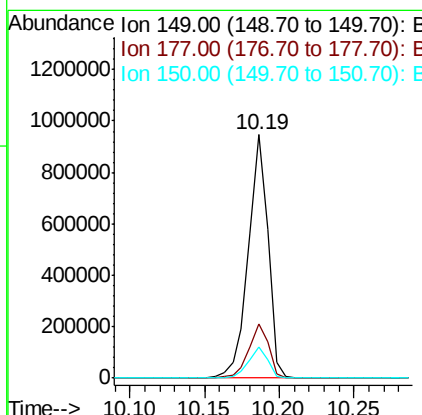
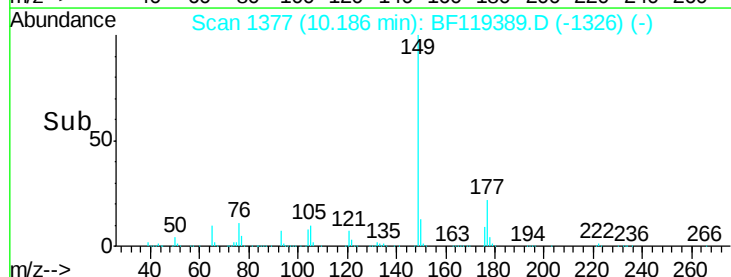
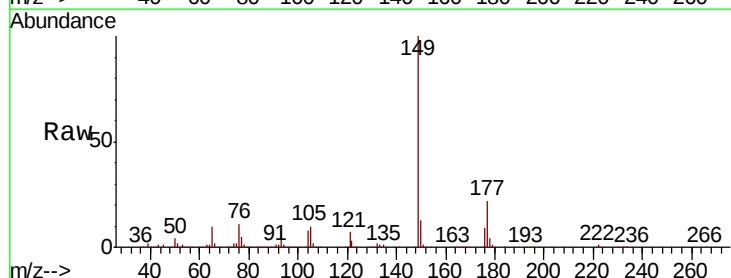
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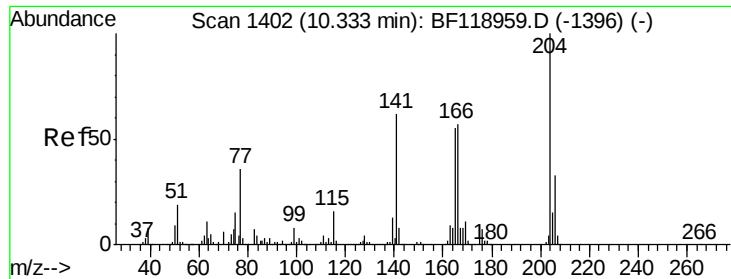
mohammad
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#60
 Diethylphthalate
 Concen: 49.426 ng
 RT: 10.19 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.2	27.2
150	12.8	10.5	15.7





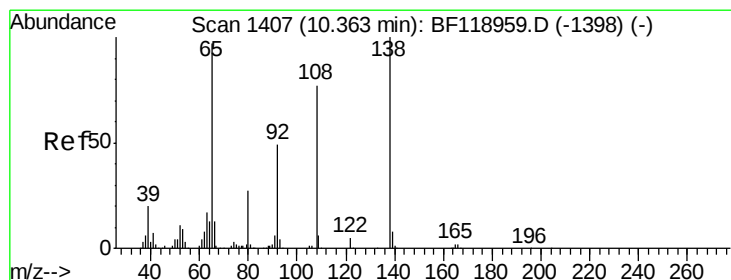
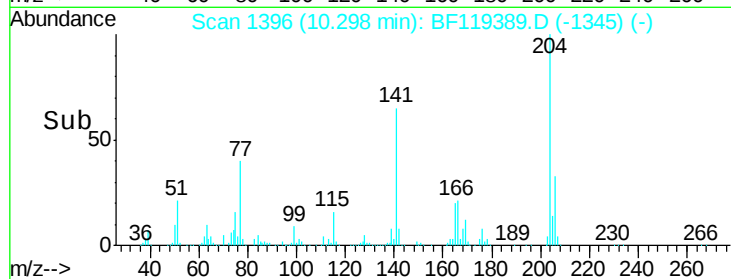
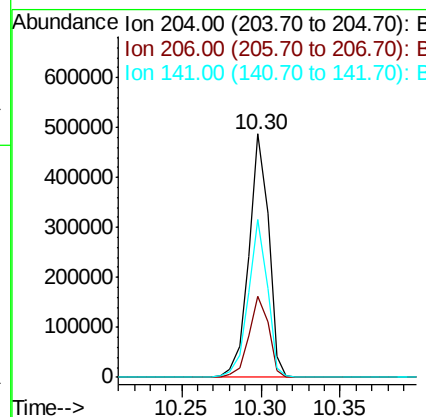
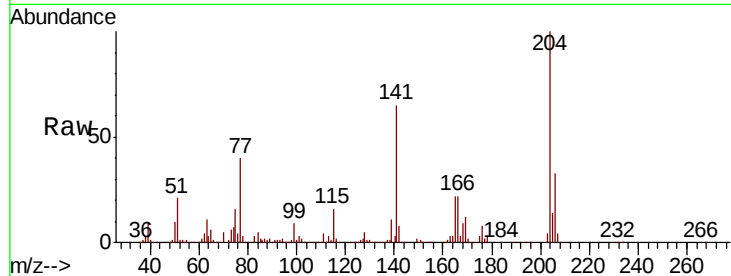
#61
4-Chlorophenyl-phenylether
Concen: 49.626 ng
RT: 10.30 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.2	27.1	40.7
141	65.1	52.9	79.3

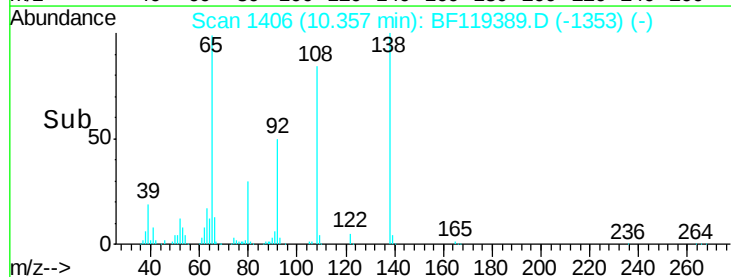
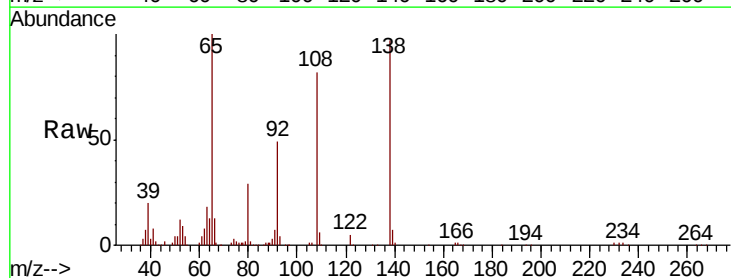
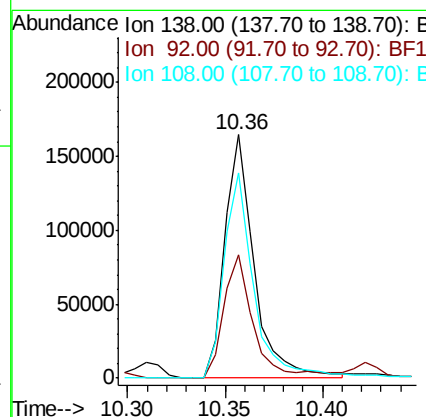
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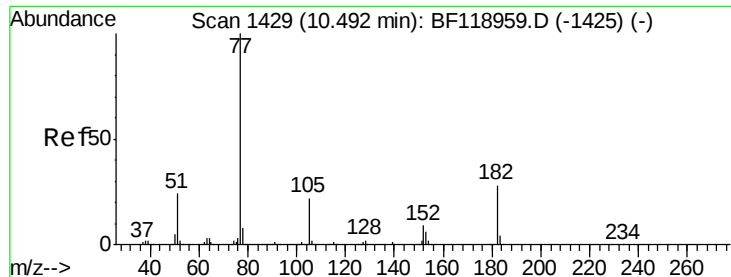
mohammad
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#62
4-Nitroaniline
Concen: 36.837 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.5	27.3	67.3
108	84.3	57.0	97.0





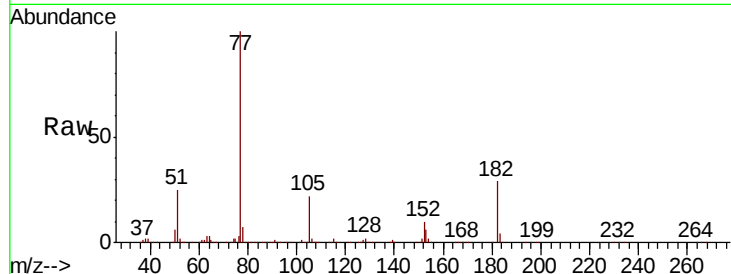
#63
Azobenzene
Concen: 52.153 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

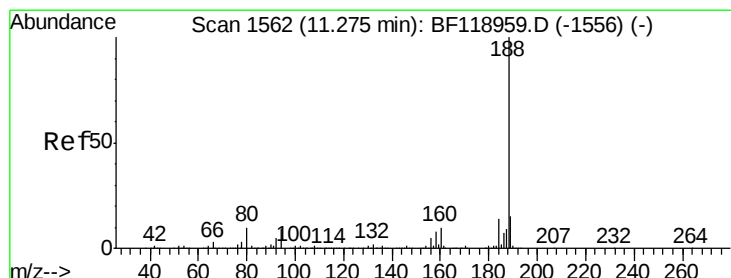
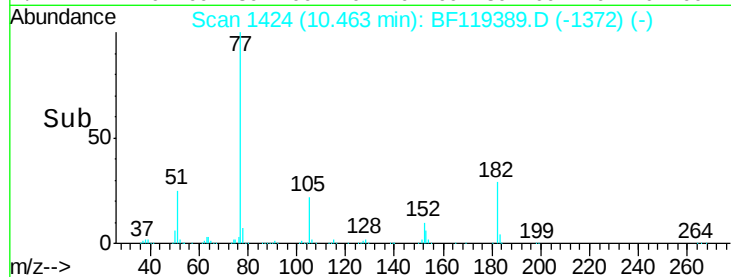
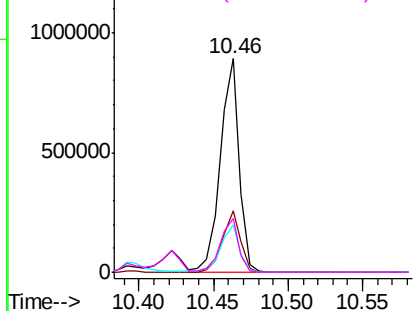
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	29.1	11.4	51.4	
105	22.3	3.4	43.4	
51	25.0	5.1	45.1	

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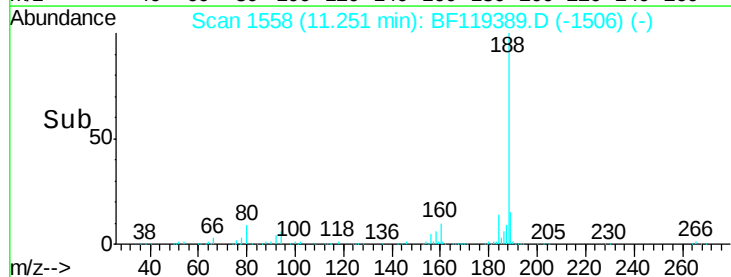
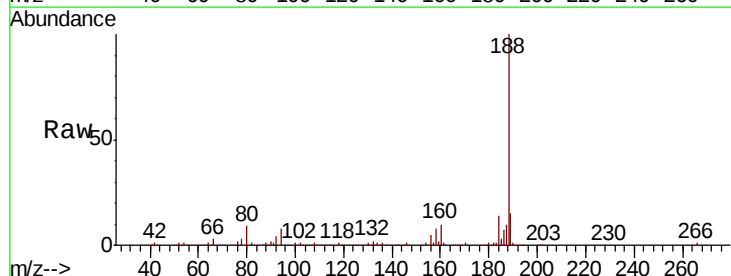
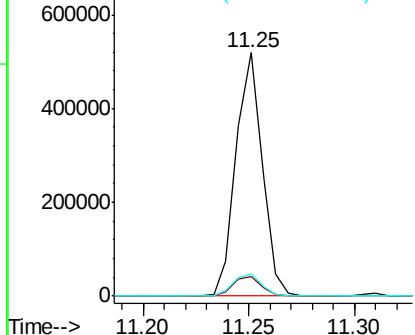
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

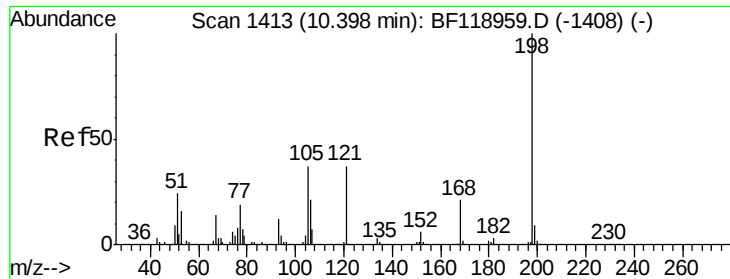


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

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

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





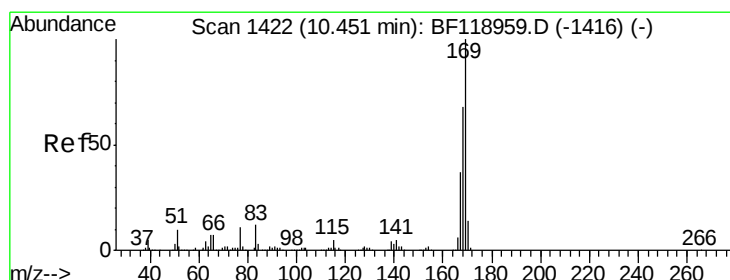
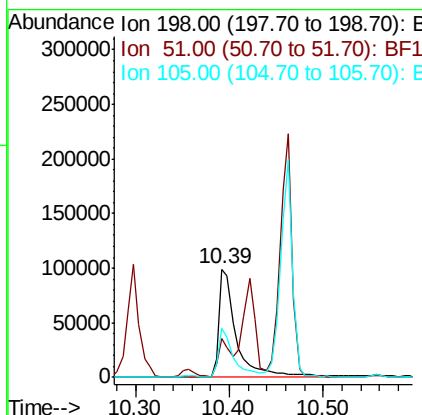
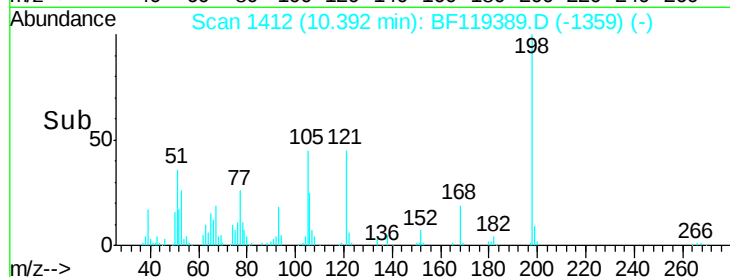
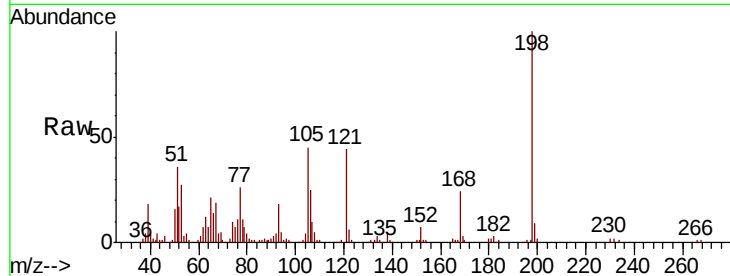
#65
4,6-Dinitro-2-methylphenol
Concen: 48.308 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	36.2	14.2	54.2
105	44.8	22.7	62.7

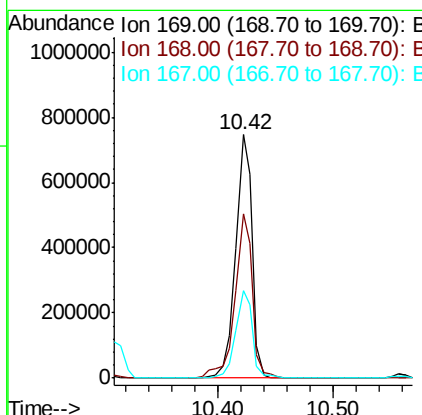
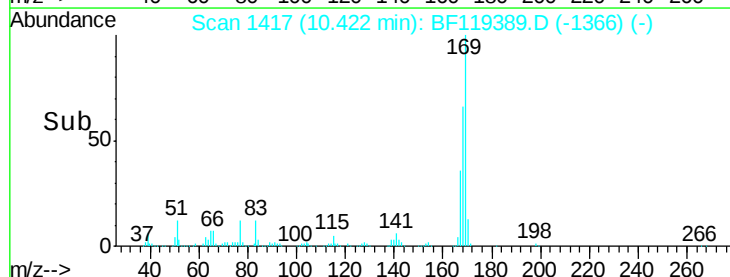
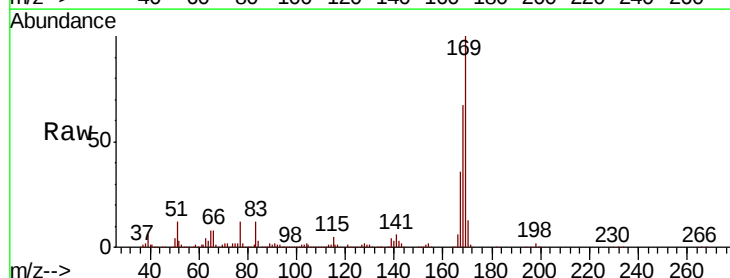
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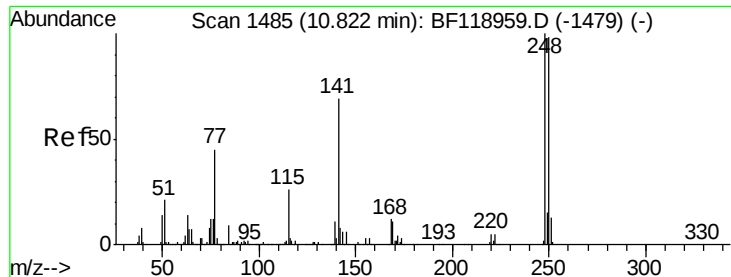
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 49.820 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.3	54.1	81.1
167	36.1	29.4	44.0





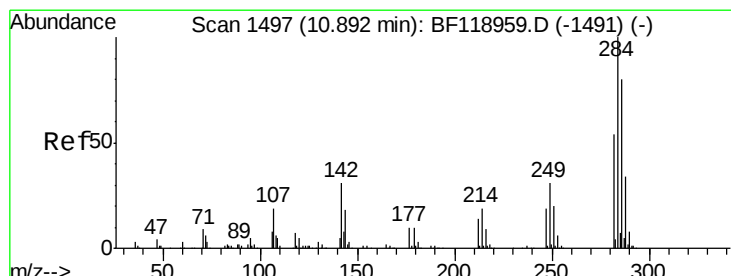
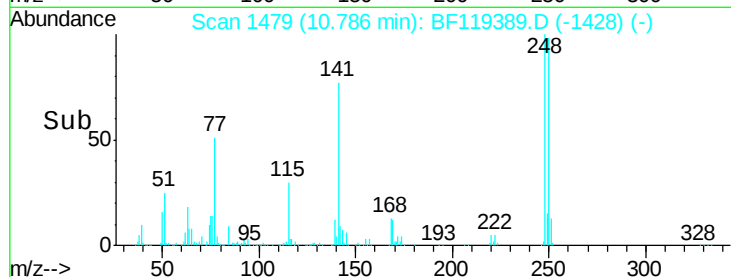
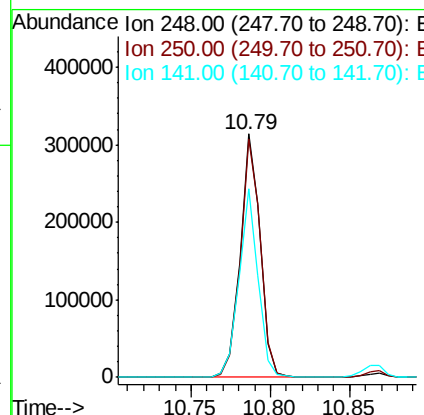
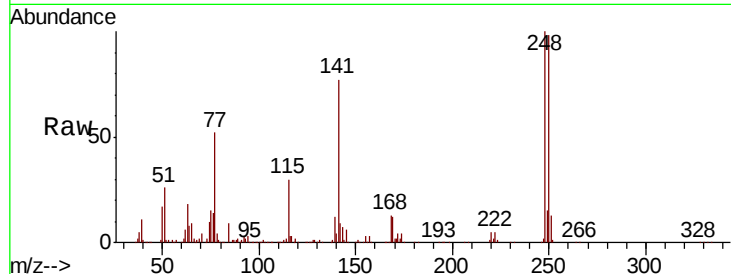
#67
4-Bromophenyl-phenylether
Concen: 46.591 ng
RT: 10.79 min Scan# 1479
Delta R.T. 0.00 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.7	115.1
141	77.3	60.7	91.1

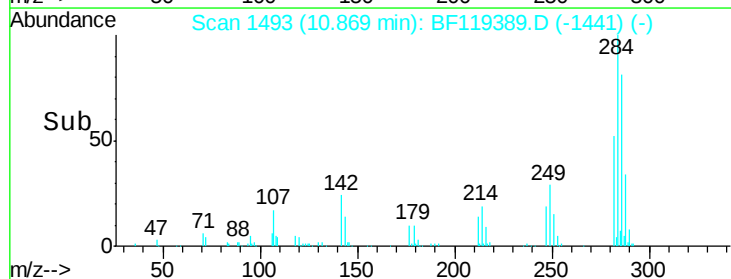
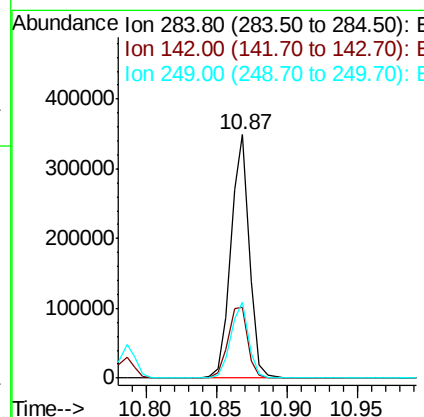
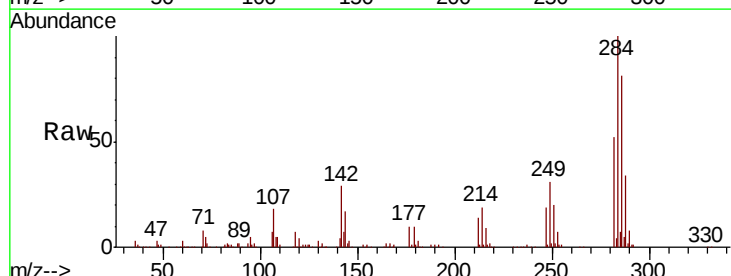
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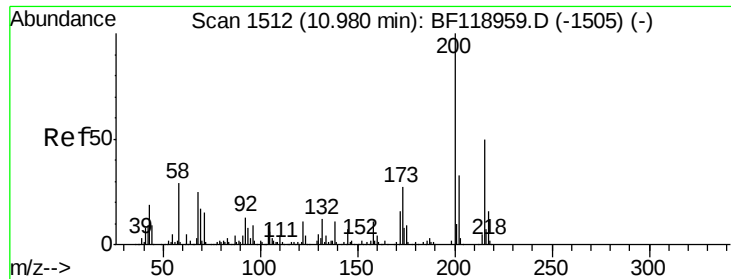
mohammad
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#68
Hexachlorobenzene
Concen: 46.306 ng
RT: 10.87 min Scan# 1493
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.9	23.7	35.5
249	31.4	25.0	37.6





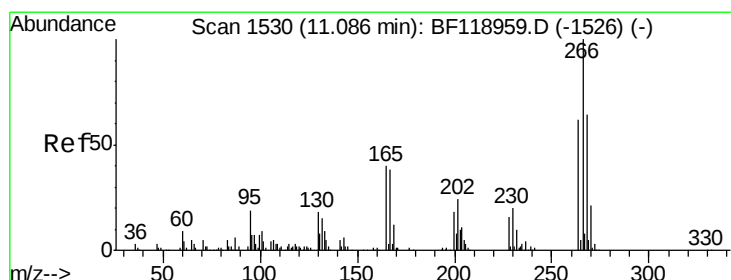
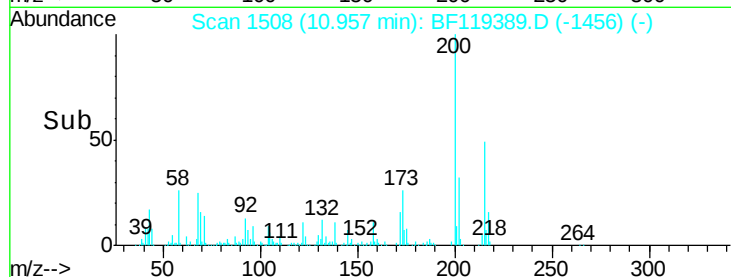
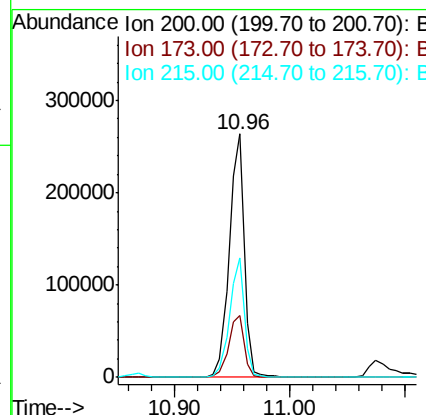
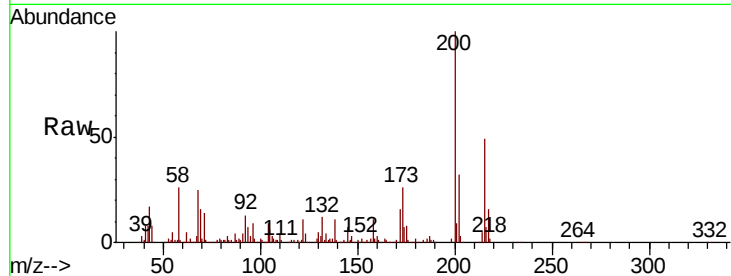
#69
Atrazine
Concen: 46.394 ng
RT: 10.96 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	238304		
173	25.6	6.4	46.4	
215	48.9	27.4	67.4	

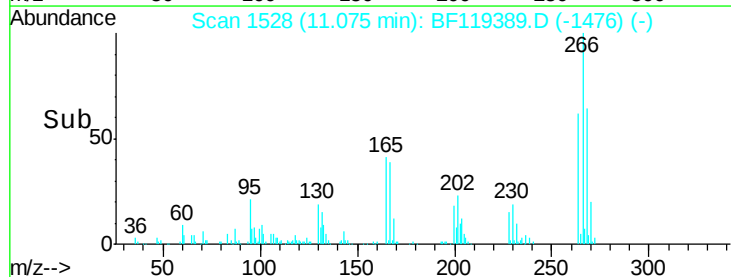
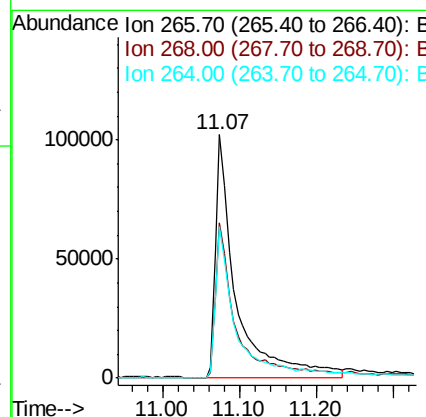
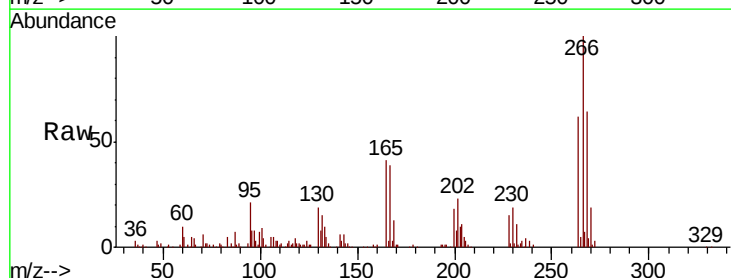
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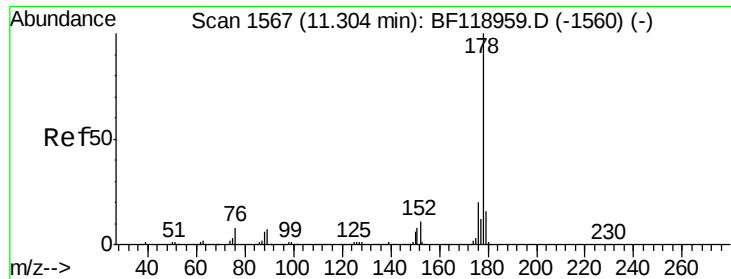
mohammad
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#70
Pentachlorophenol
Concen: 68.947 ng
RT: 11.07 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	187931		
268	63.7	51.9	77.9	
264	62.2	51.0	76.4	





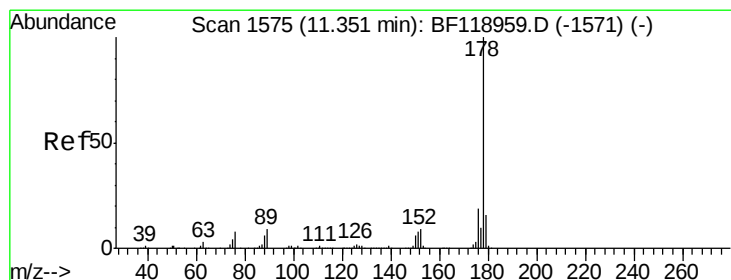
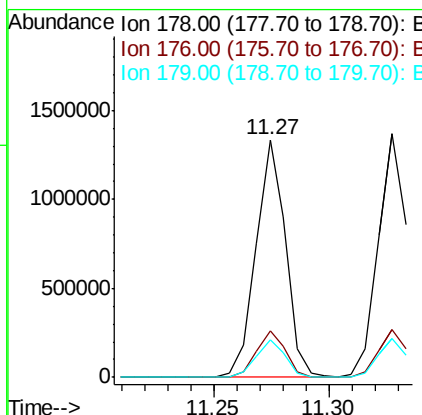
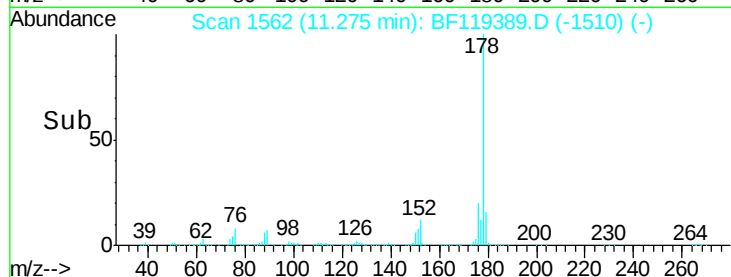
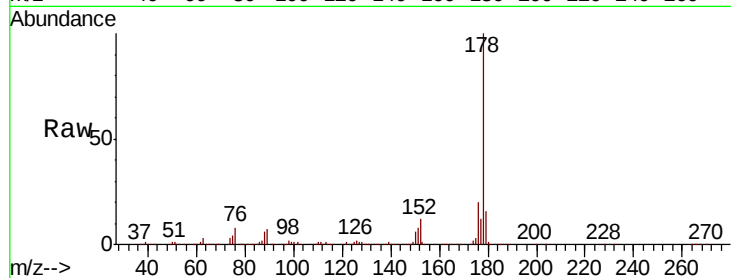
#71
Phenanthrene
Concen: 48.911 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.5	24.7
179	15.7	13.0	19.6

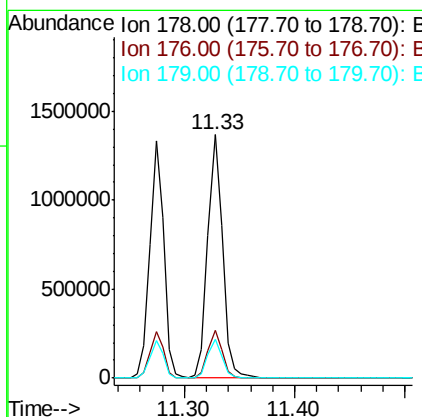
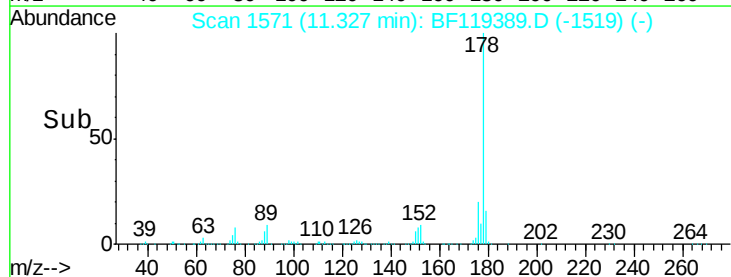
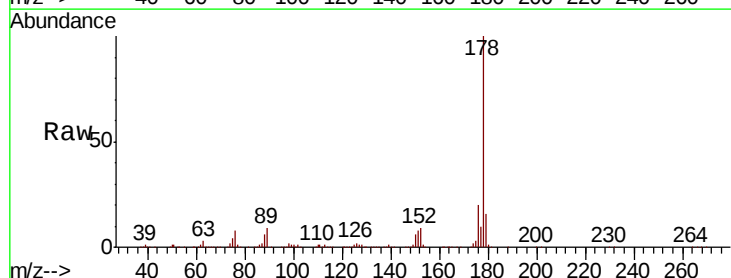
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#72
Anthracene
Concen: 50.815 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.0	24.0
179	16.1	13.1	19.7





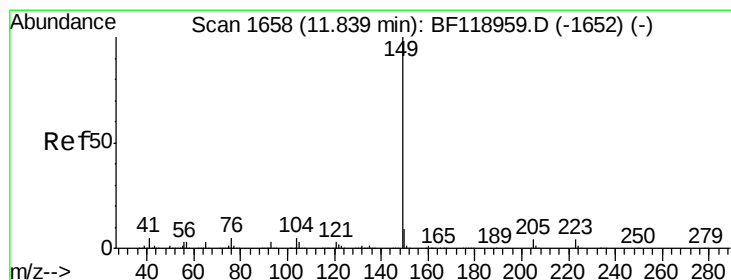
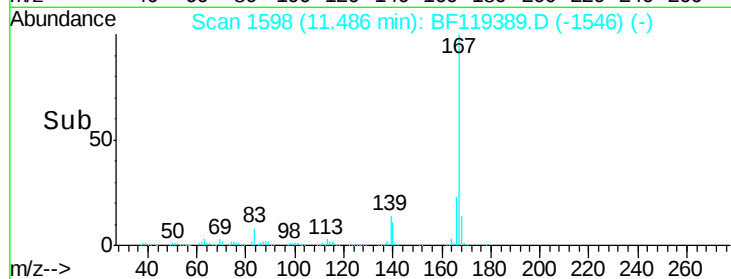
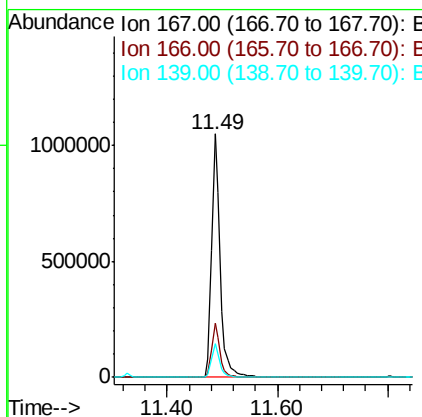
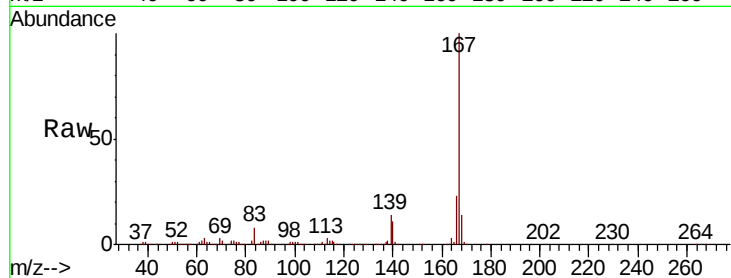
#73
 Carbazole
 Concen: 50.258 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.2	27.4
139	13.8	11.7	17.5

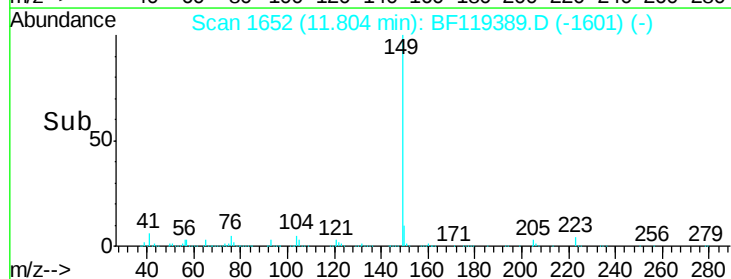
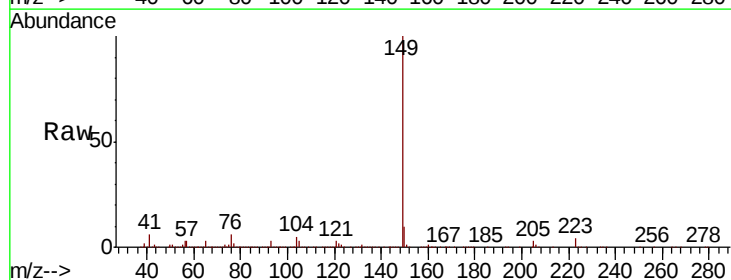
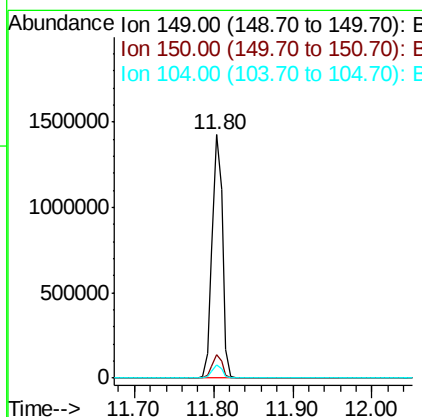
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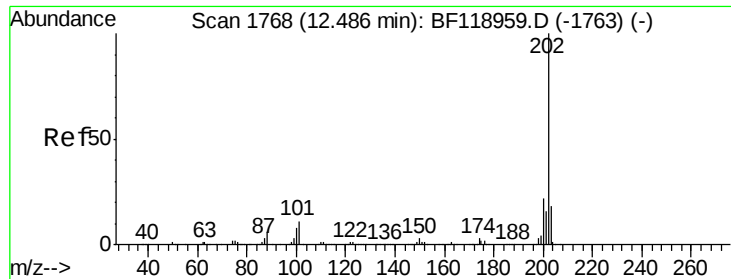
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#74
 Di-n-butylphthalate
 Concen: 48.639 ng
 RT: 11.80 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.9	11.9
104	5.4	4.6	6.8





#75

Fluoranthene

Concen: 48.261 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

ClientSampleId :

HD-01-031120MSD

Tot Ion:202 Resp: 1254335

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.3

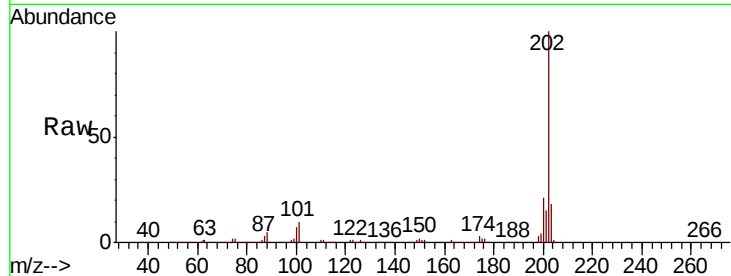
203 17.8 0.0 38.4

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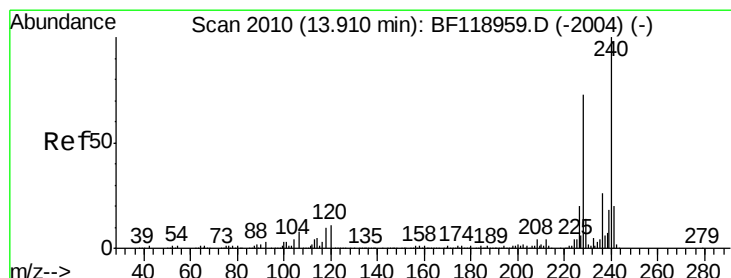
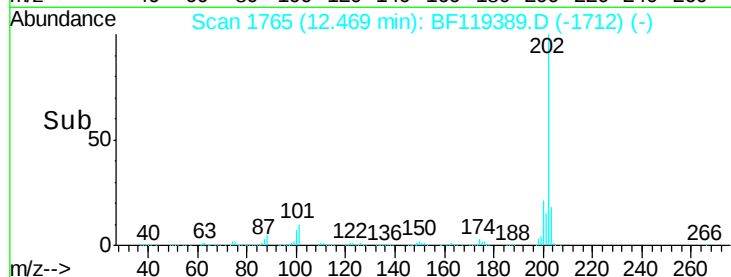
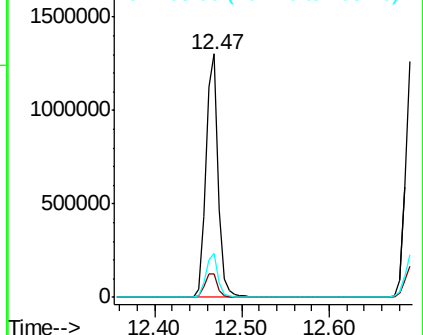
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

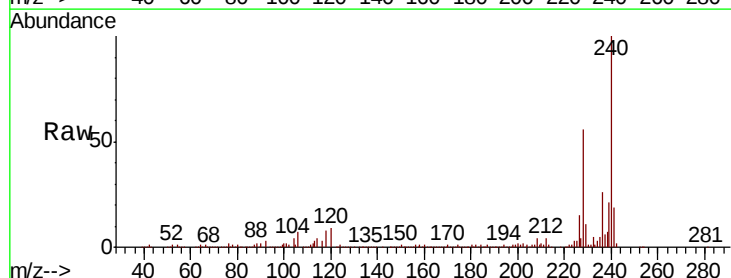
Tgt Ion:240 Resp: 285194

Ion Ratio Lower Upper

240 100

120 8.9 8.4 12.6

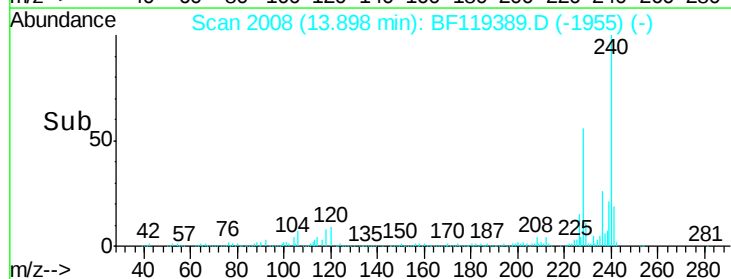
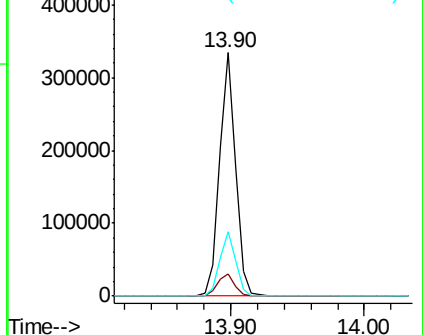
236 26.3 21.0 31.4

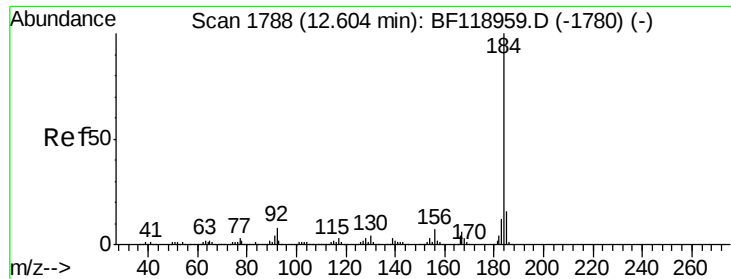


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 31.391 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

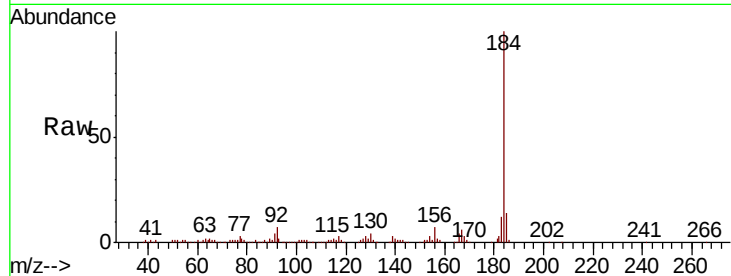
ClientSampleId :

HD-01-031120MSD

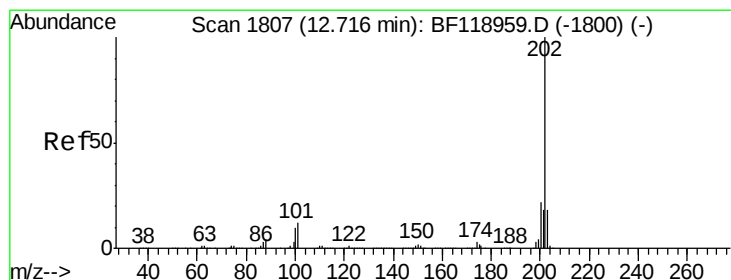
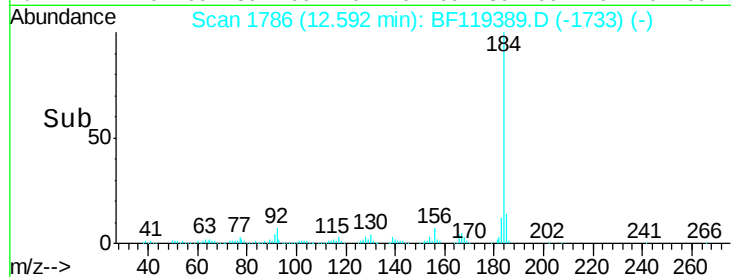
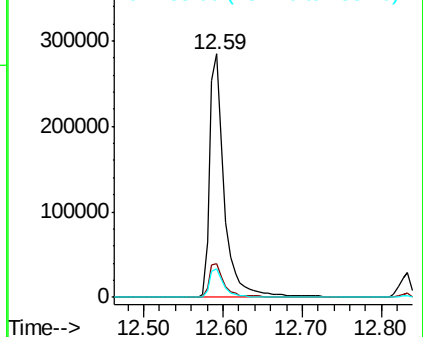
Tot Ion:	184	Resp:	364097
Ion Ratio	Lower	Upper	
184	100		
185	14.1	12.2	18.4
183	12.0	9.9	14.9

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 54.802 ng

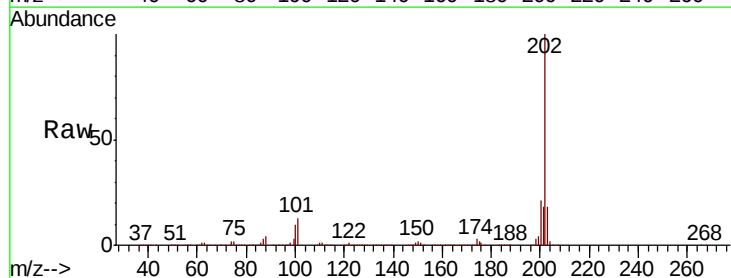
RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

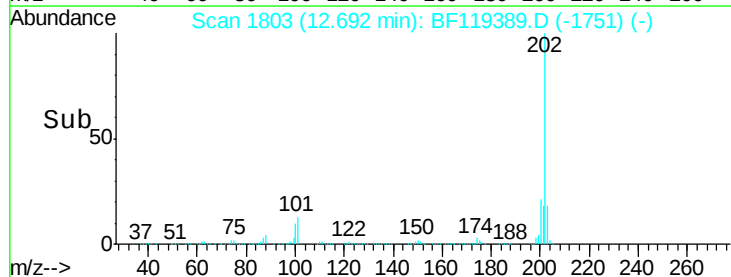
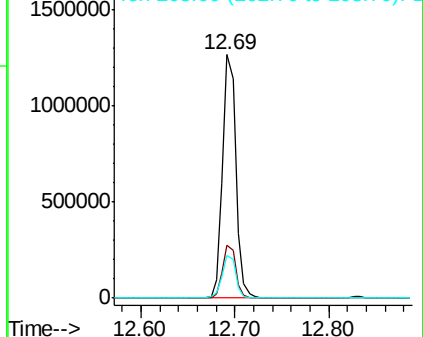
Lab File: BF119389.D

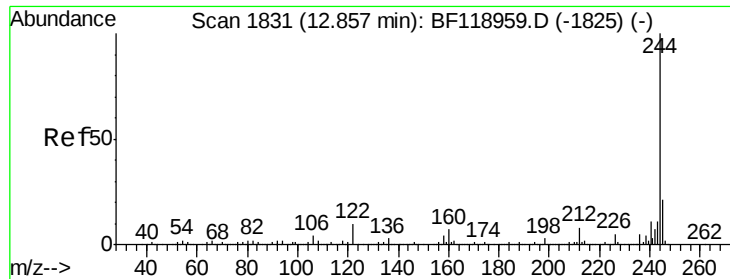
Acq: 12 Mar 2020 19:33

Tgt Ion:	202	Resp:	1255012
Ion Ratio	Lower	Upper	
202	100		
200	21.5	18.0	27.0
203	17.8	14.6	22.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





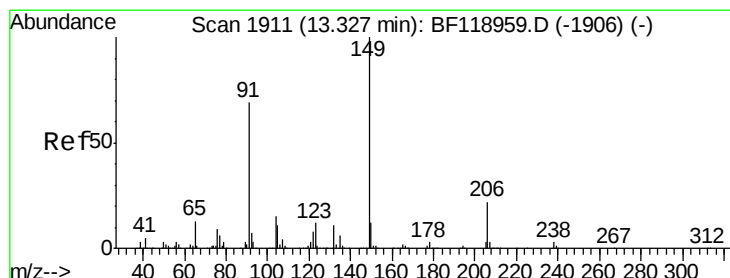
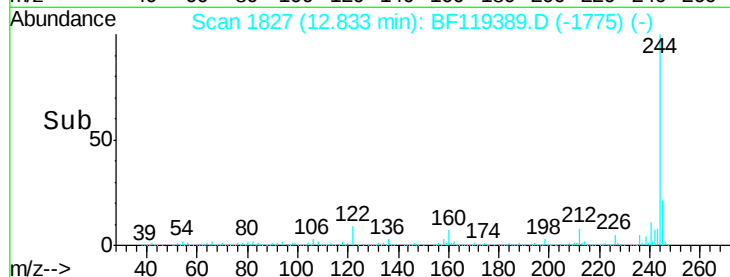
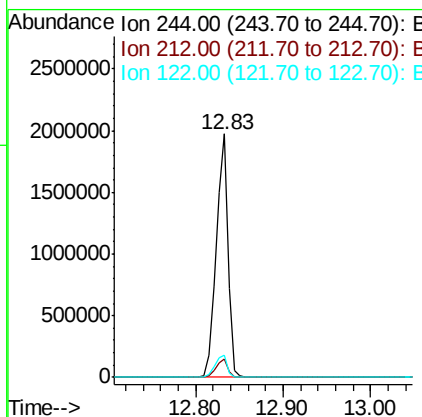
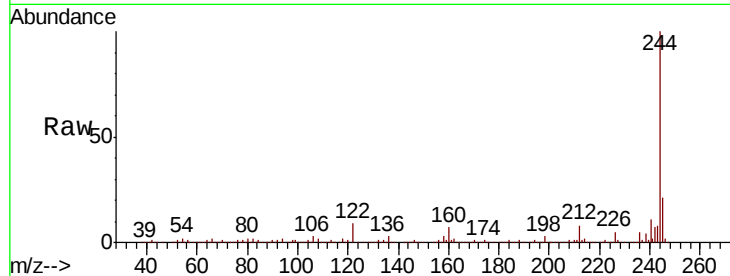
#79
 Terphenyl-d14
 Concen: 111.421 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.6	10.0
122	9.3	8.2	12.2

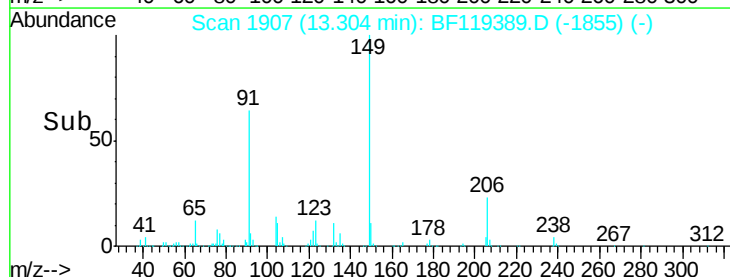
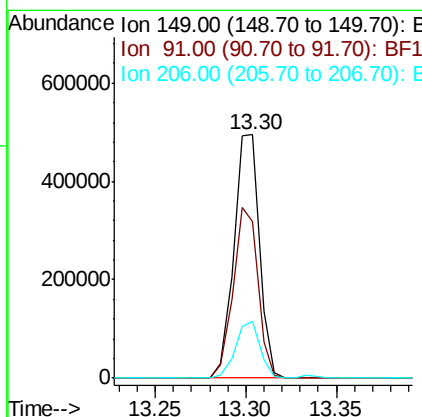
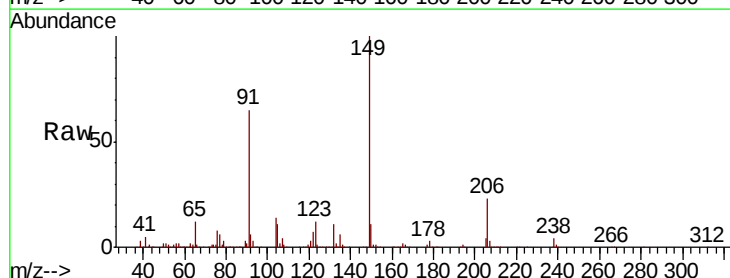
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#80
 Butylbenzylphthalate
 Concen: 50.520 ng
 RT: 13.30 min Scan# 1907
 Delta R.T. 0.01 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
149	100		
91	64.5	52.3	78.5
206	23.4	18.5	27.7





#81

Benzo(a)anthracene

Concen: 51.330 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

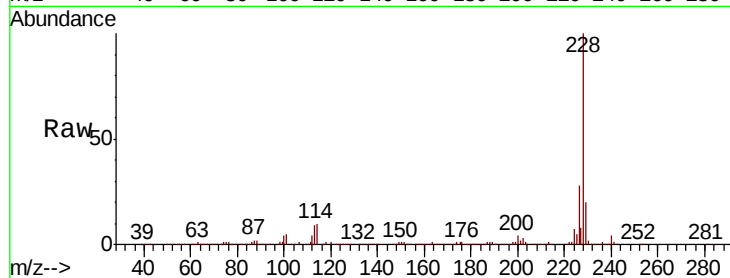
ClientSampleId :

HD-01-031120MSD

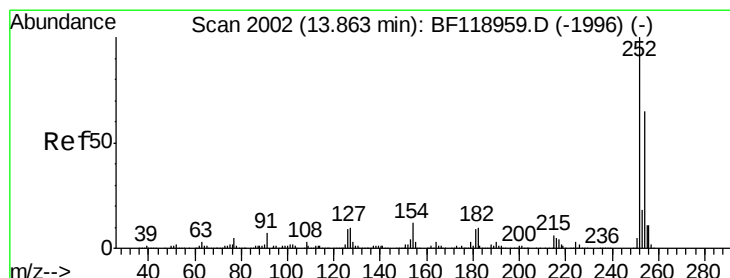
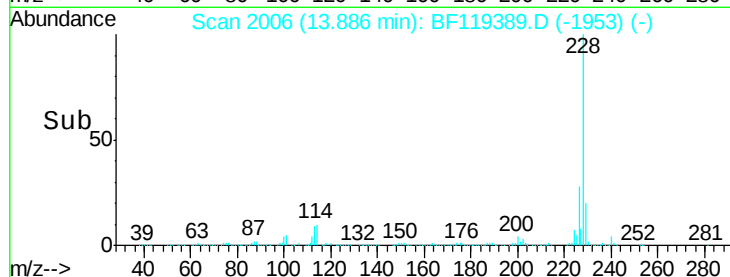
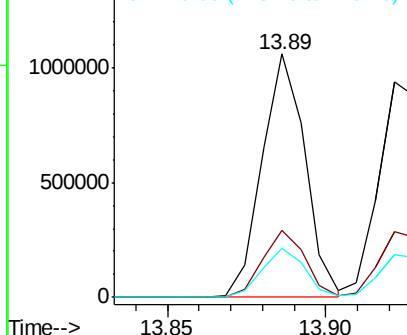
Tot Ion:	228	Resp:	997445
Ion Ratio		Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.1	16.6	24.8

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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: 21.533 ng

RT: 13.84 min Scan# 1999

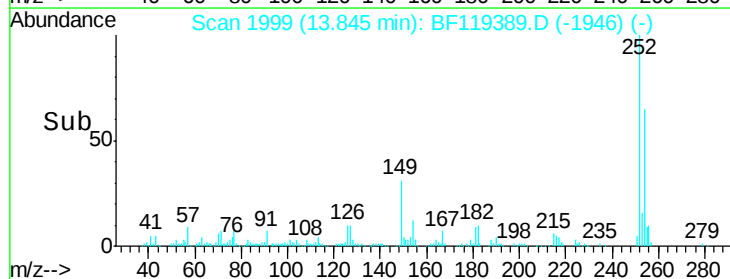
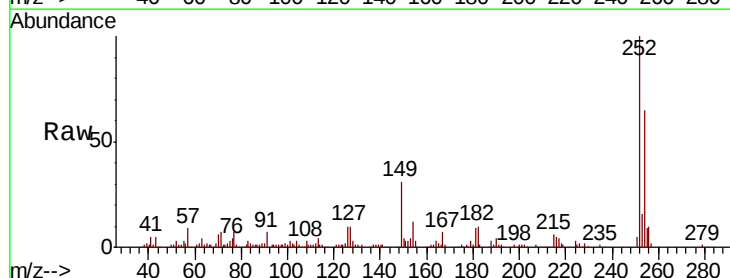
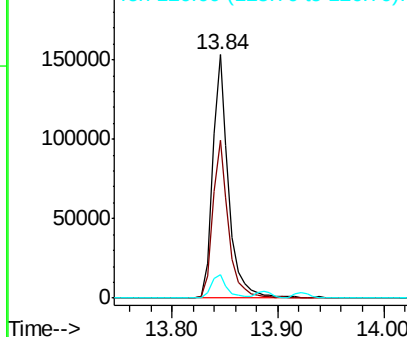
Delta R.T. 0.01 min

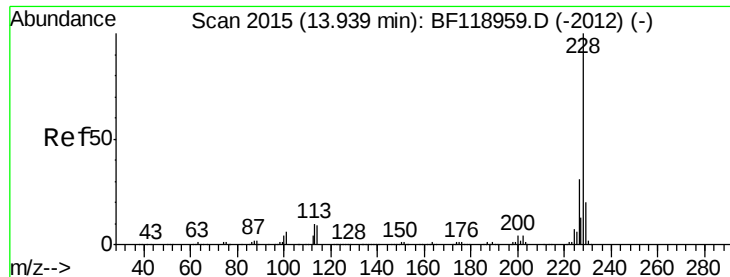
Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Tgt Ion:	252	Resp:	162478
Ion Ratio		Lower	Upper
252	100		
254	65.0	51.6	77.4
126	9.8	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





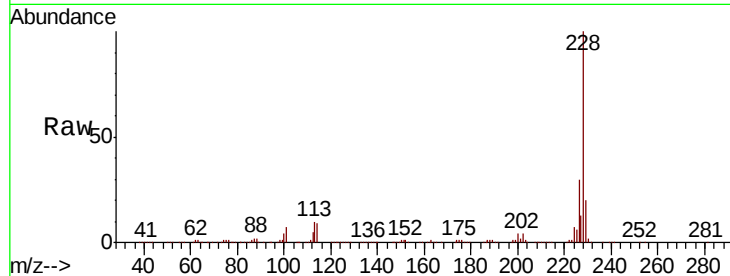
#83
 Chrvsene
 Concen: 49.863 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. 0.01 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-031120MSD

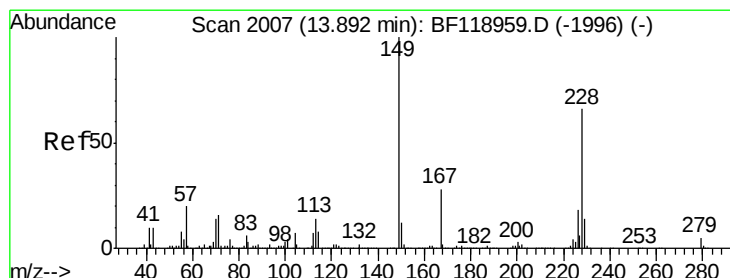
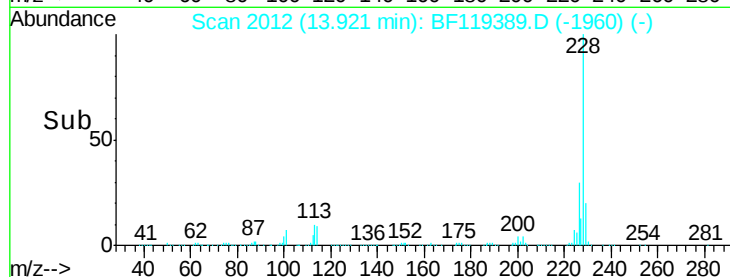
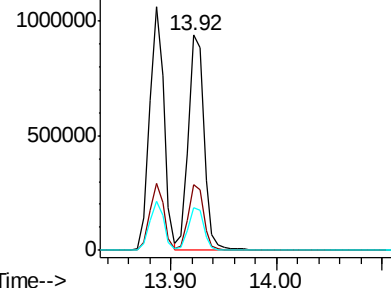
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.1	37.7
229	19.9	16.3	24.5

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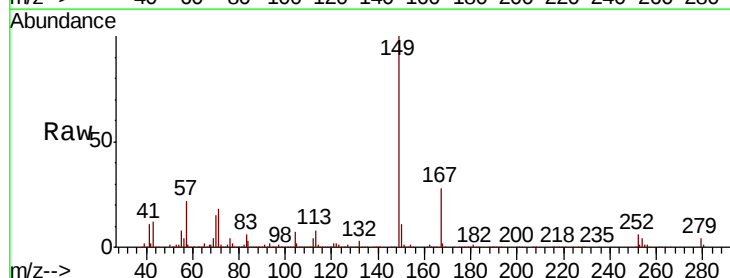


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

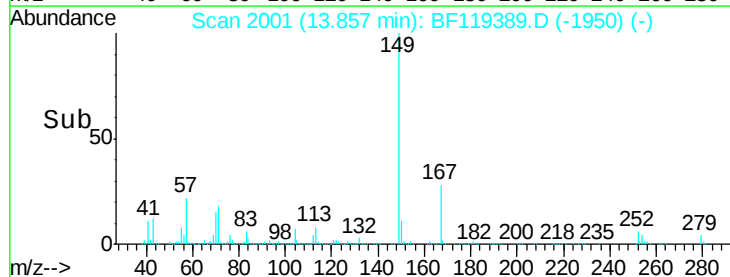
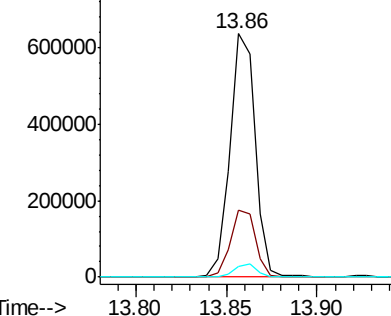


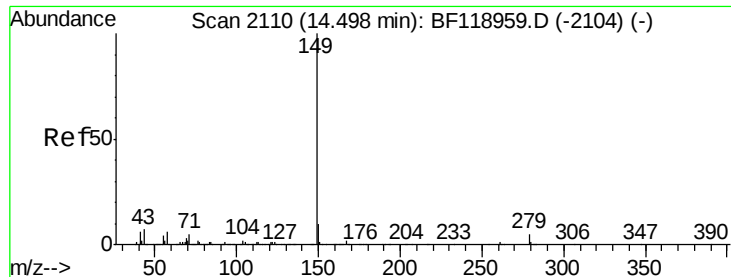
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 50.588 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.00 min
 Lab File: BF119389.D
 Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.8	34.2
279	4.4	4.6	6.8#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 45.695 ng

RT: 14.47 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Instrument :

BNA_F

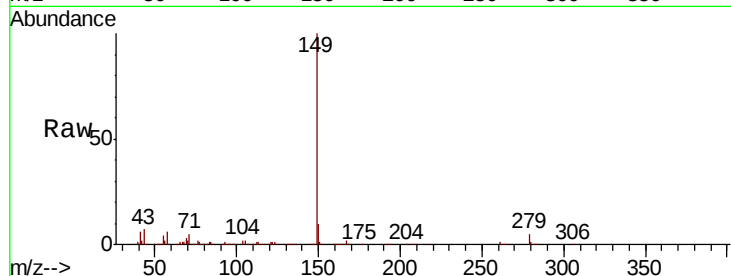
ClientSampleId :

HD-01-031120MSD

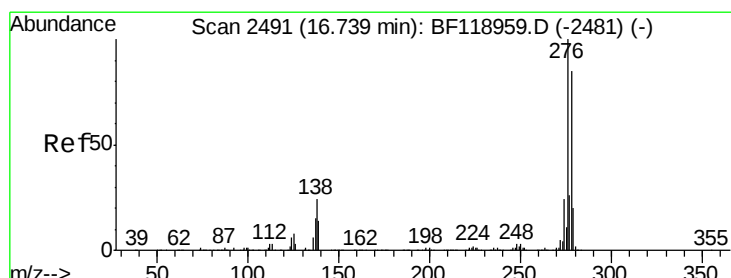
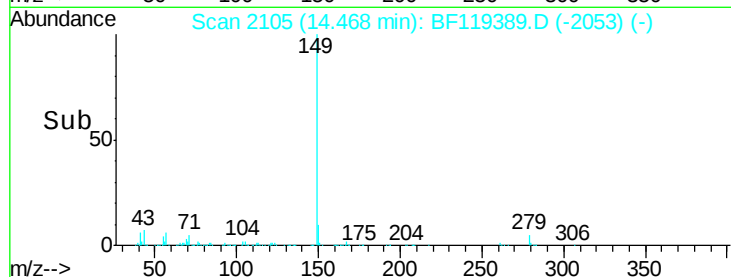
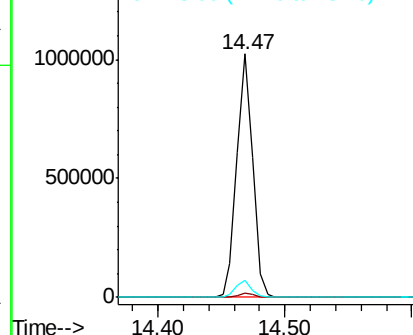
Tot Ion:	149	Resp:	886533
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	6.7	5.7	8.5

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 44.613 ng

RT: 16.76 min Scan# 2494

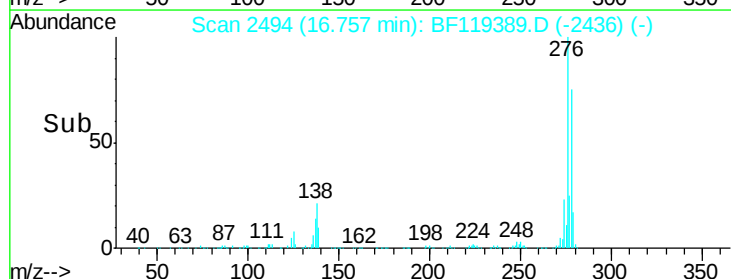
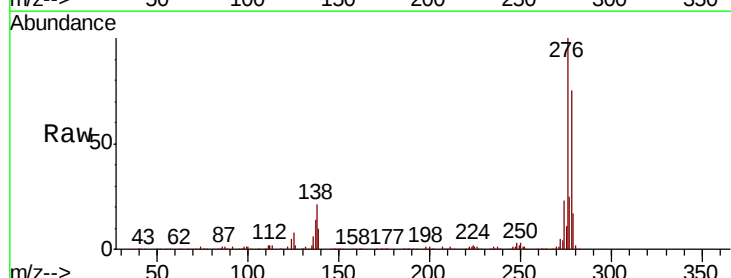
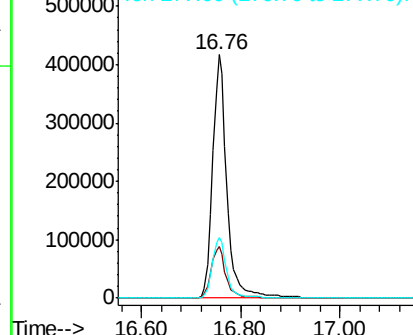
Delta R.T. 0.04 min

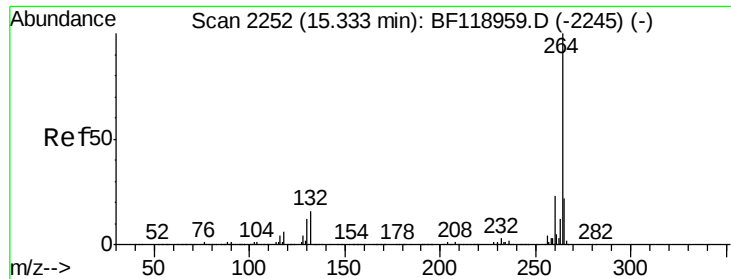
Lab File: BF119389.D

Acq: 12 Mar 2020 19:33

Tgt Ion:	276	Resp:	836419
Ion Ratio	Lower	Upper	
276	100		
138	21.8	17.4	26.0
277	25.3	20.3	30.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





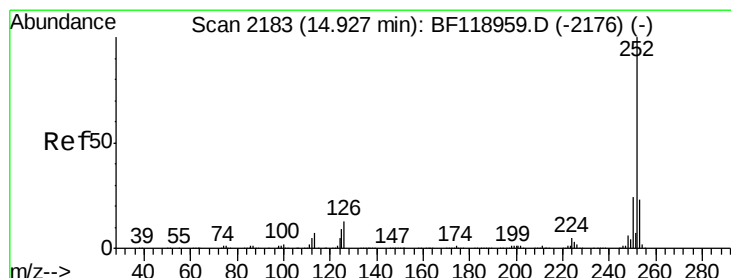
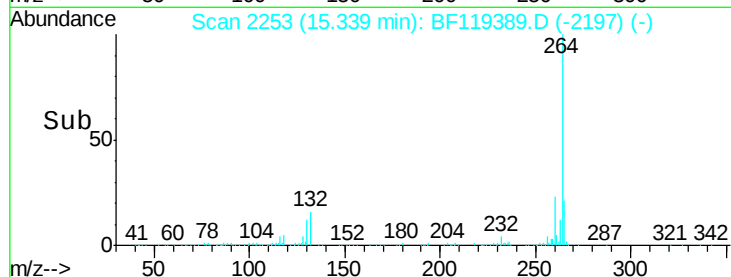
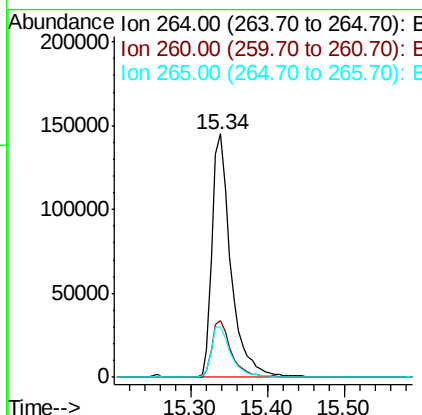
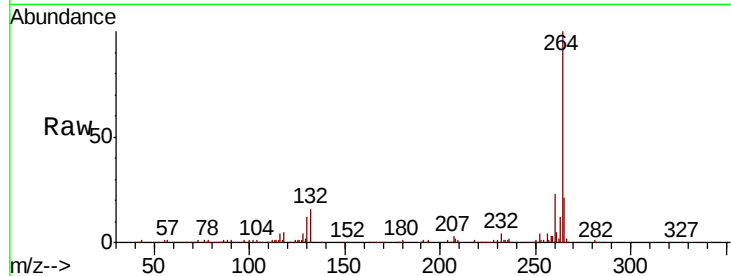
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.03 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.2
265	20.7	17.7	26.5

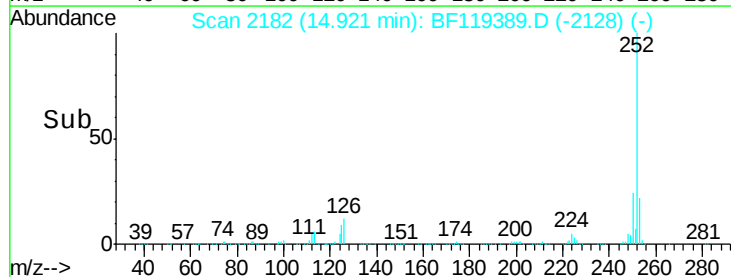
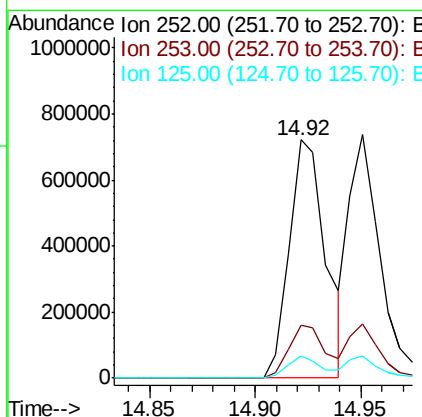
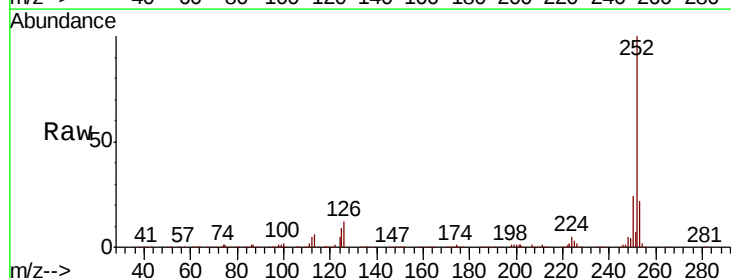
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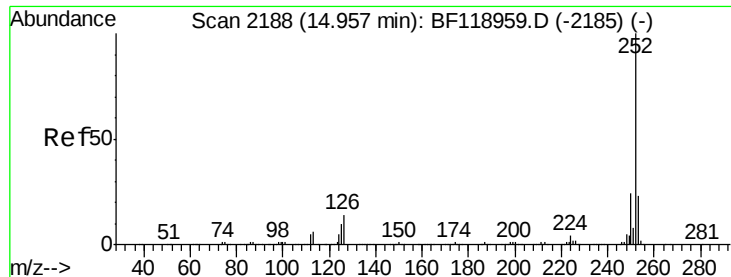
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#88
Benzo(b)fluoranthene
Concen: 53.710 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	9.1	7.4	11.0





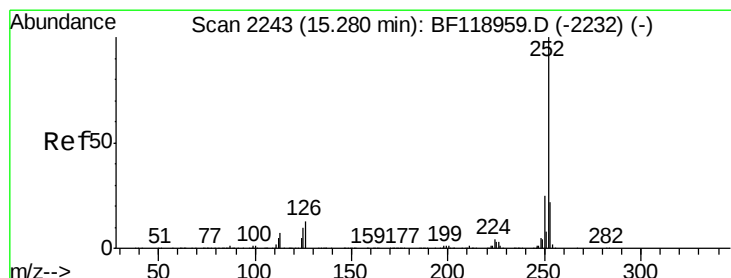
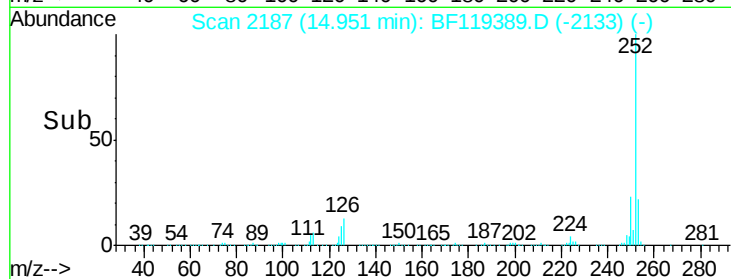
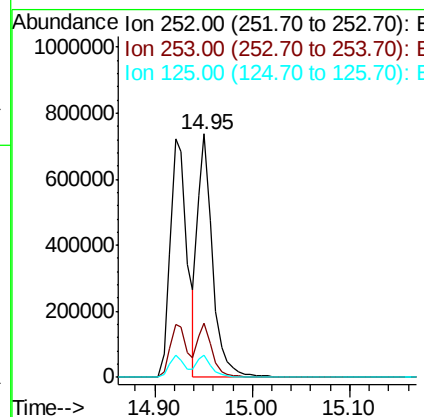
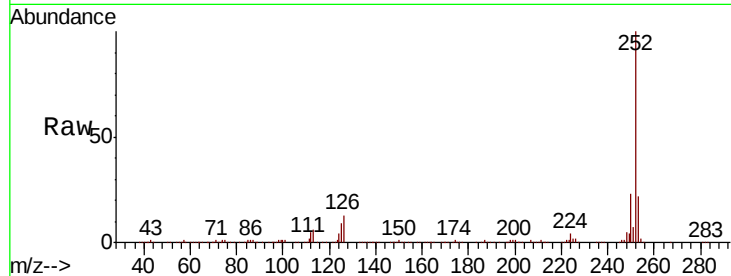
#89
Benzo(k)fluoranthene
Concen: 51.474 ng
RT: 14.95 min Scan# 2187
Delta R.T. 0.02 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.0	7.5	11.3

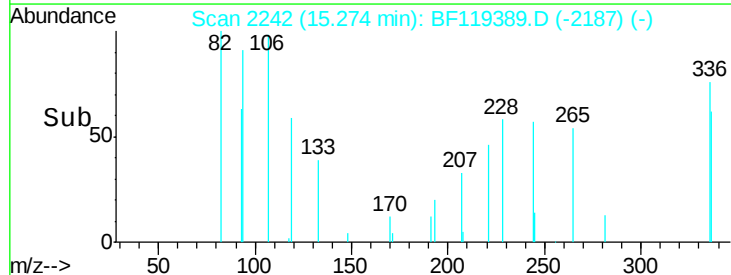
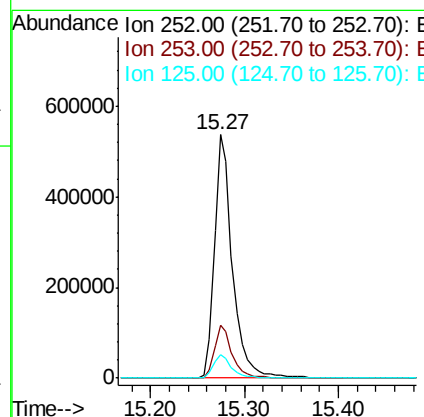
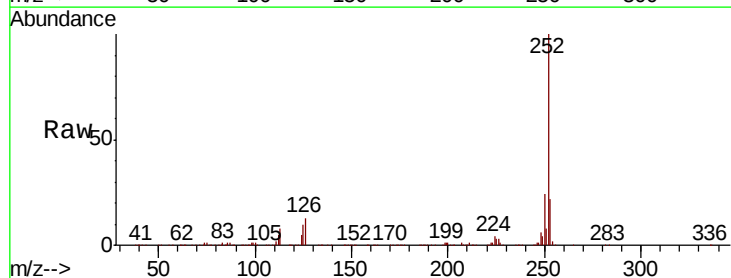
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#90
Benzo(a)pyrene
Concen: 49.770 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.02 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	9.8	8.6	12.8





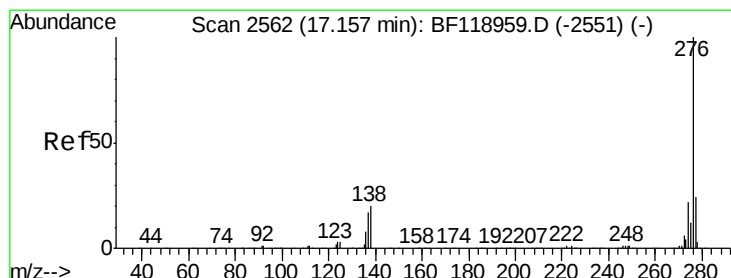
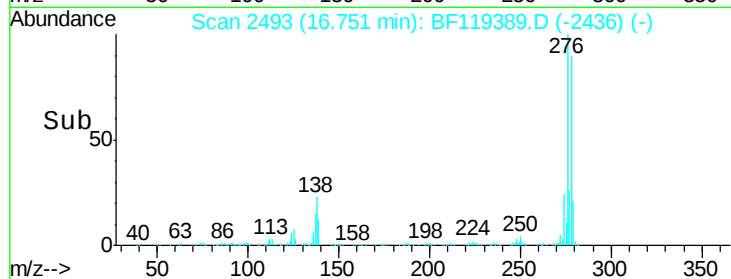
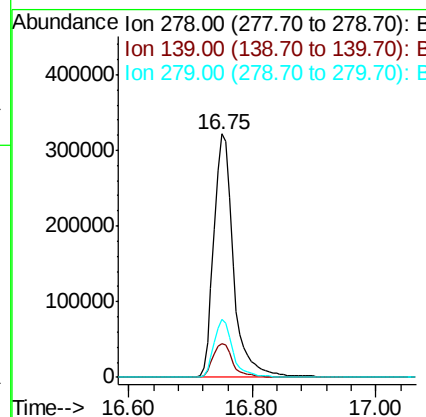
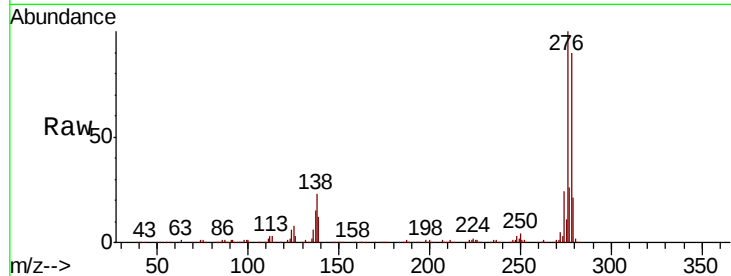
#91
Dibenzo(a,h)anthracene
Concen: 54.979 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.04 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Instrument :
BNA_F
ClientSampleId :
HD-01-031120MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.8	11.0	16.4
279	23.6	18.6	28.0

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#92
Benzo(g,h,i)perylene
Concen: 57.239 ng
RT: 17.18 min Scan# 2566
Delta R.T. 0.04 min
Lab File: BF119389.D
Acq: 12 Mar 2020 19:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	18.1	14.3	21.5

