

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
 Data File : BF122457.D
 Acq On : 23 Nov 2020 20:26
 Operator : JU/CG
 Sample : L4876-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-2D

Quant Time: Nov 24 00:28:03 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 13:27:02 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

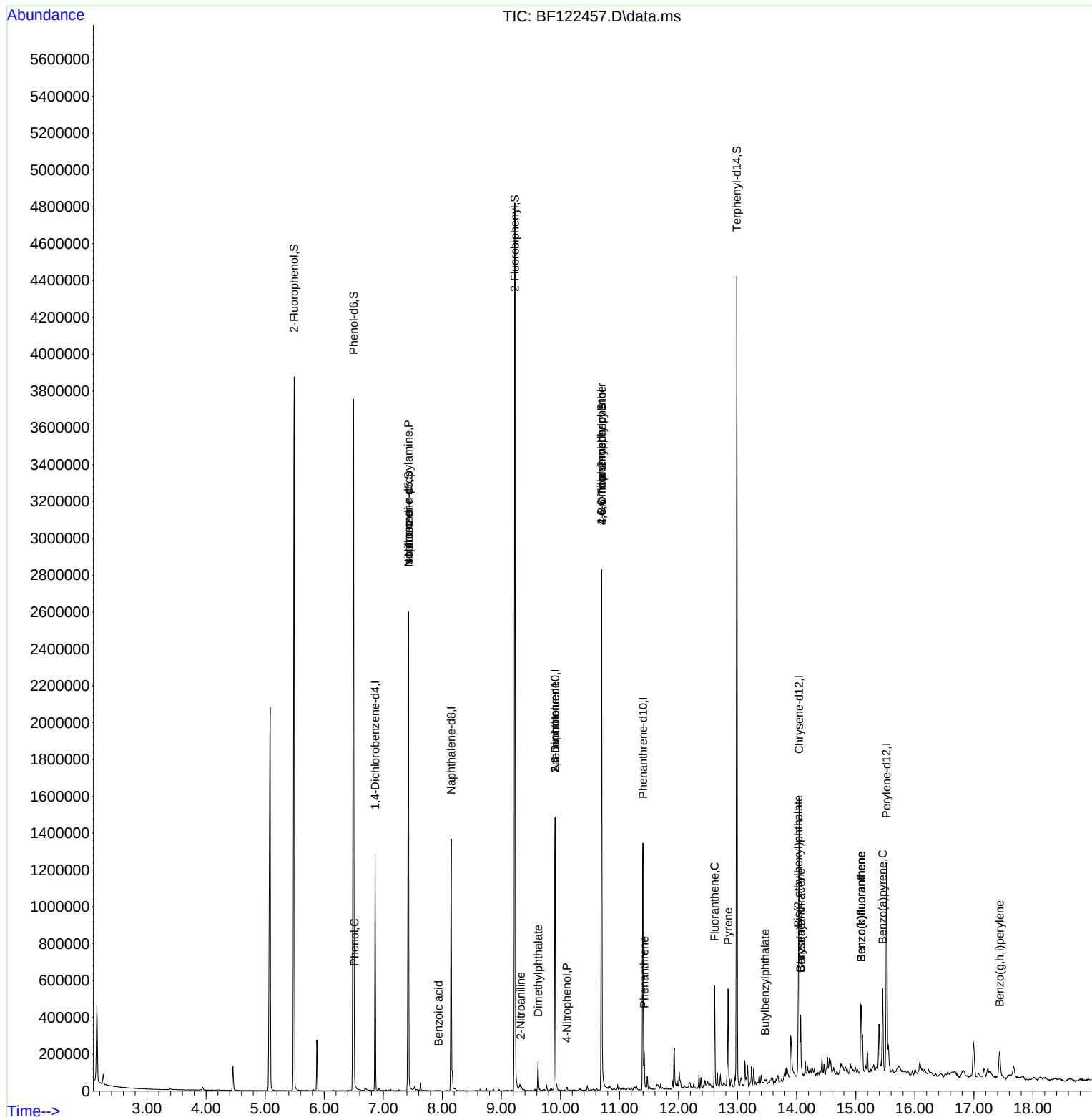
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	168108	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	630340	20.00	ng	# 0.00
39) Acenaphthene-d10	9.910	164	309978	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	506444	20.00	ng	0.00
76) Chrysene-d12	14.039	240	464282	20.00	ng	-0.01
86) Perylene-d12	15.521	264	538264	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1136847	103.84	ng	0.00
7) Phenol-d6	6.498	99	1394422	97.36	ng	-0.01
23) Nitrobenzene-d5	7.428	82	862822	83.80	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	368994	110.91	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1555073	78.38	ng	0.00
79) Terphenyl-d14	12.986	244	1358771	62.00	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	756	Below Cal		88
10) Phenol	6.510	94	111494	7.91 ng	#	74
19) n-Nitroso-di-n-propyla...	7.428	70	118190	13.81 ng	#	74
25) Isophorone	7.428	82	860059	37.47 ng	#	67
32) Benzoic acid	7.939	122	245	7.99 ng	#	1
48) 2-Nitroaniline	9.327	65	215	5.20 ng	#	6
50) Dimethylphthalate	9.622	163	70014	3.18 ng		99
51) 2,6-Dinitrotoluene	9.910	165	40477	11.41 ng	#	20
56) 4-Nitrophenol	10.110	139	2348	5.86 ng	#	10
57) 2,4-Dinitrotoluene	9.910	165	40477	10.63 ng	#	20
65) 4,6-Dinitro-2-methylph...	10.698	198	702	6.55 ng	#	1
67) 4-Bromophenyl-phenylether	10.698	248	23576	3.96 ng	#	1
71) Phenanthrene	11.421	178	74849	2.60 ng		98
75) Fluoranthene	12.610	202	203616	6.79 ng		97
78) Pyrene	12.839	202	202369	6.20 ng		98
80) Butylbenzylphthalate	13.468	149	1053	3.36 ng	#	81
81) Benzo(a)anthracene	14.068	228	137708	4.77 ng		98
83) Chrysene	14.068	228	137708	4.74 ng		96
84) Bis(2-ethylhexyl)phtha...	14.027	149	34468	2.19 ng	#	96
88) Benzo(b)fluoranthene	15.092	252	302269	8.67 ng		99
89) Benzo(k)fluoranthene	15.092	252	302269	8.89 ng		98
90) Benzo(a)pyrene	15.456	252	198824	6.54 ng		98
92) Benzo(g,h,i)perylene	17.439	276	116977	4.45 ng		98

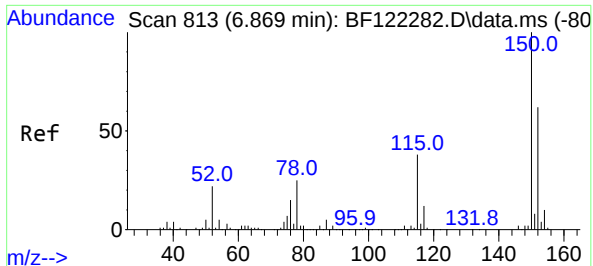
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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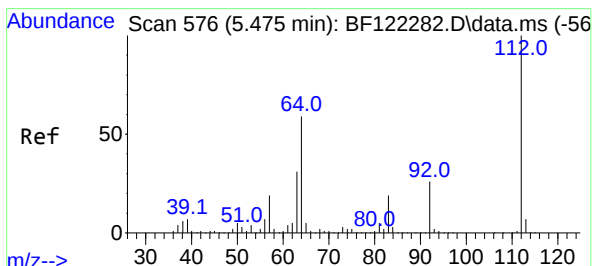
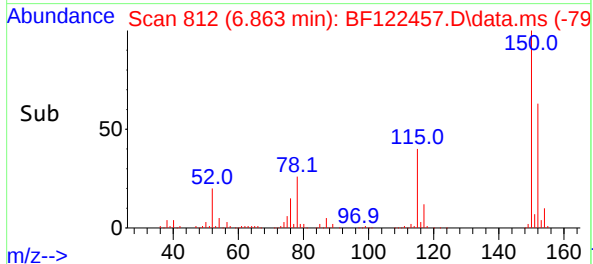
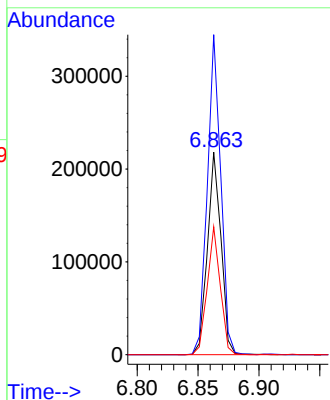
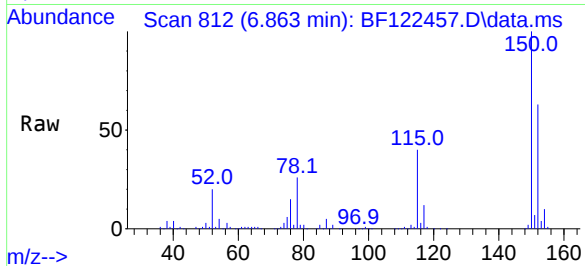




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

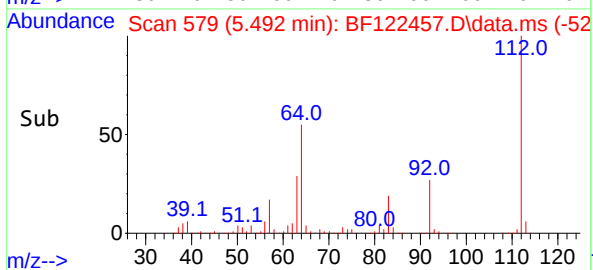
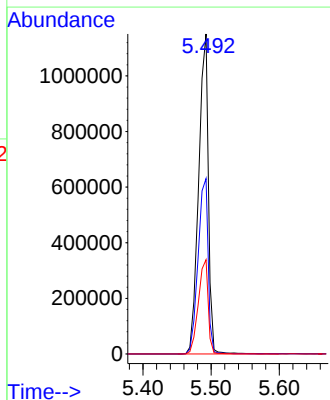
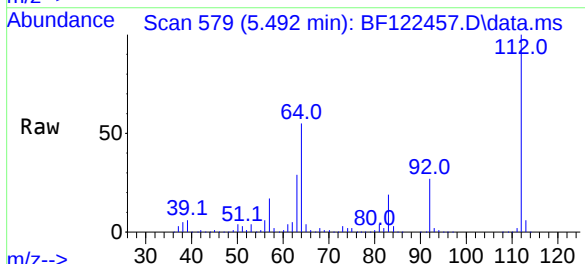
Instrument :
BNA_F
ClientSampleId :
TB-2D

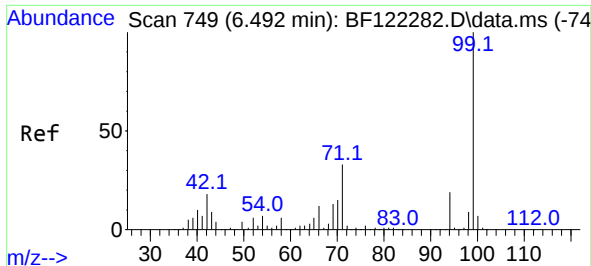
Tgt Ion:152 Resp: 168108
Ion Ratio Lower Upper
152 100
150 157.9 125.3 187.9
115 63.1 51.9 77.9



#5
2-Fluorophenol
Concen: 103.84 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:112 Resp: 1136847
Ion Ratio Lower Upper
112 100
64 54.8 50.4 75.6
63 29.4 25.8 38.6

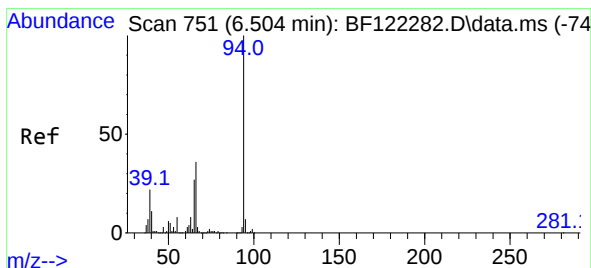
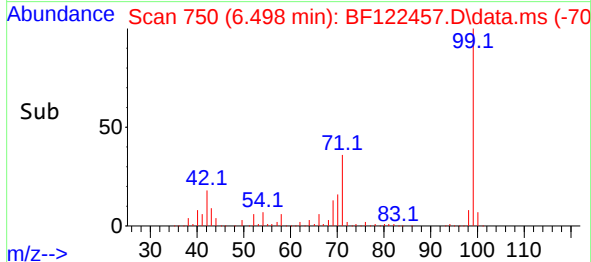
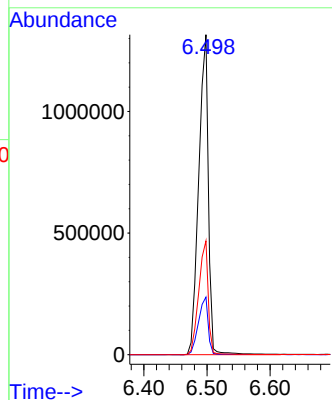
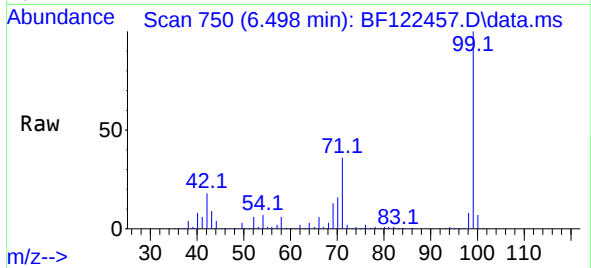




#7
Phenol-d6
Concen: 97.36 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

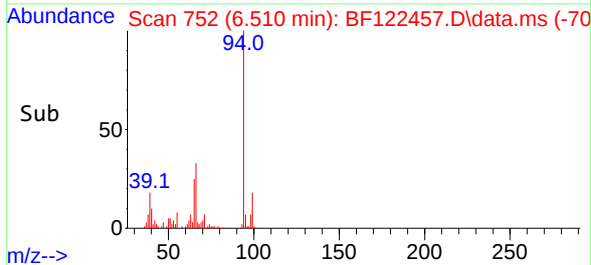
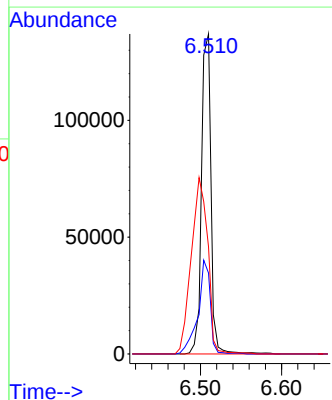
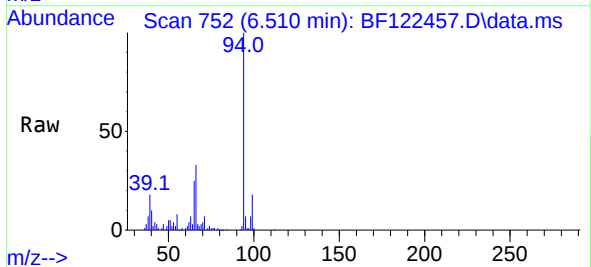
Instrument :
BNA_F
ClientSampleId :
TB-2D

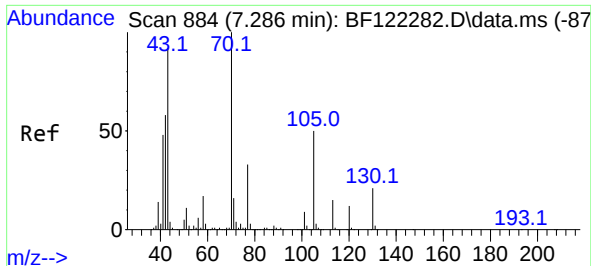
Tgt Ion: 99 Resp: 1394422
Ion Ratio Lower Upper
99 100
42 18.0 15.9 23.9
71 35.5 27.1 40.7



#10
Phenol
Concen: 7.91 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion: 94 Resp: 111494
Ion Ratio Lower Upper
94 100
65 25.3 17.1 57.1
66 33.5 36.0 76.0#

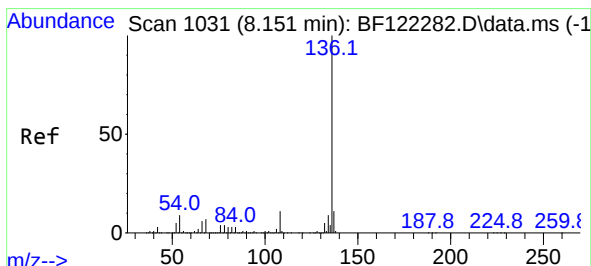
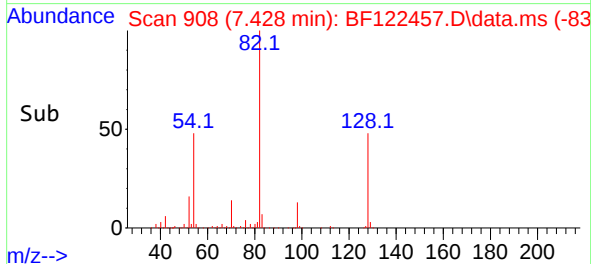
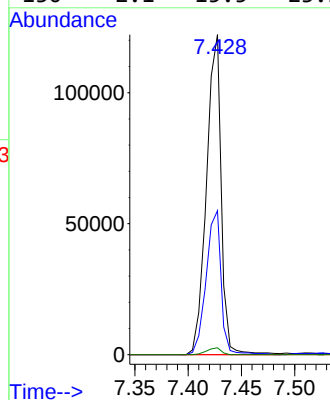
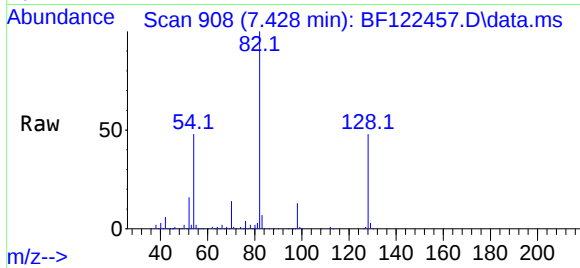




#19
n-Nitroso-di-n-propylamine
Concen: 13.81 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

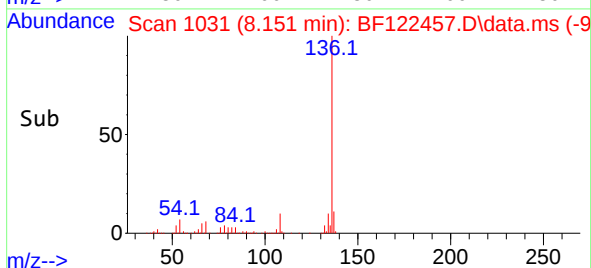
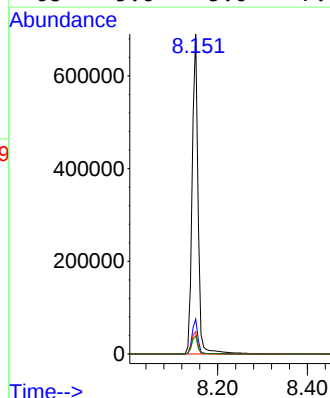
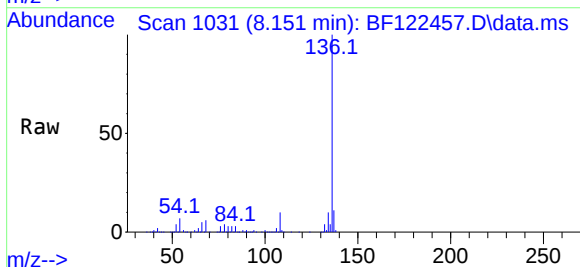
Instrument :
BNA_F
ClientSampleId :
TB-2D

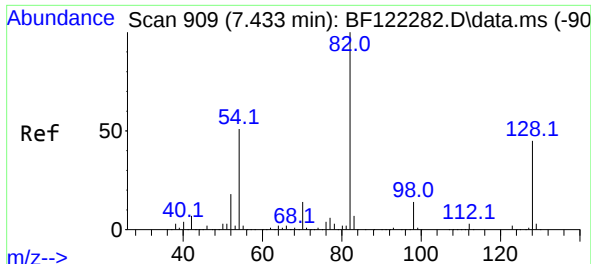
Tgt Ion: 70 Resp: 118190
Ion Ratio Lower Upper
70 100
42 45.0 50.2 75.4#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion: 136 Resp: 630340
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 7.0 7.1 10.7#
68 5.6 5.0 7.4

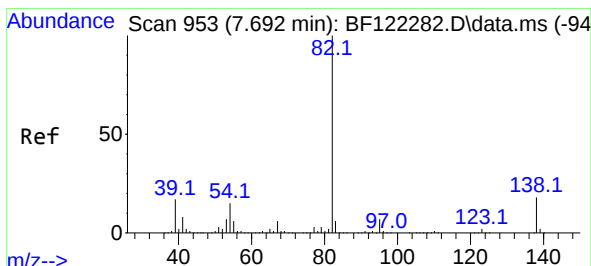
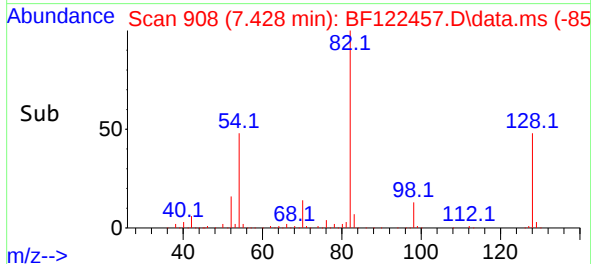
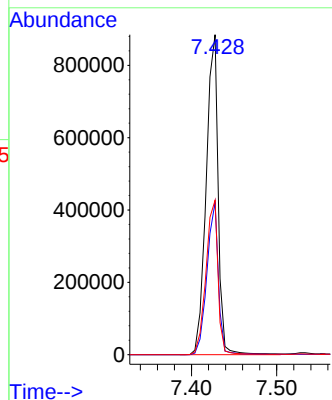
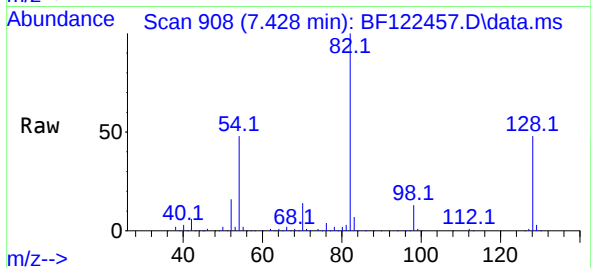




#23
Nitrobenzene-d5
Concen: 83.80 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

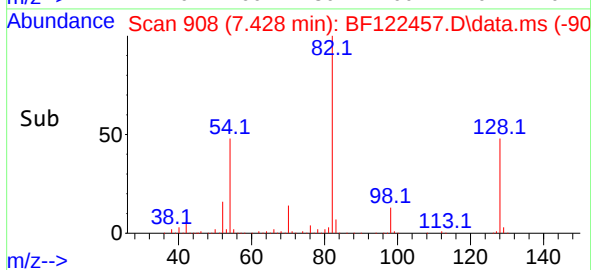
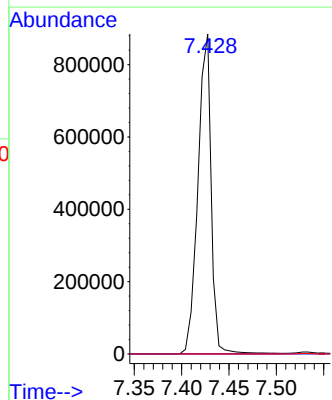
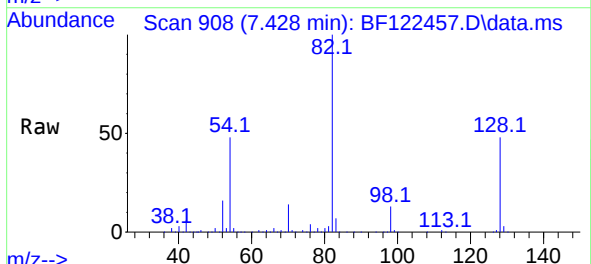
Instrument :
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ClientSampleId :
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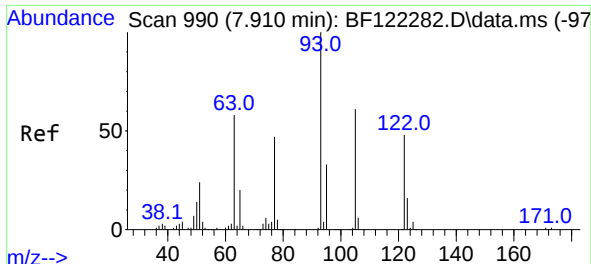
Tgt Ion: 82 Resp: 862822
Ion Ratio Lower Upper
82 100
128 47.6 35.0 52.4
54 48.2 43.9 65.9



#25
Isophorone
Concen: 37.47 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion: 82 Resp: 860059
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#

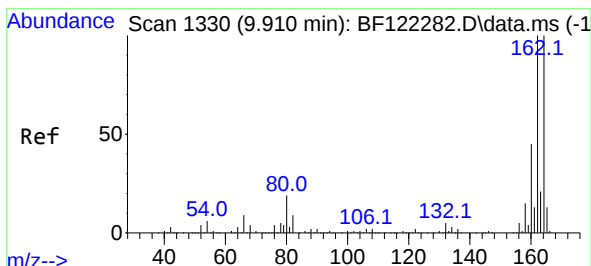
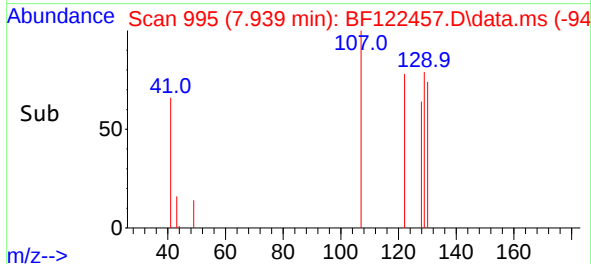
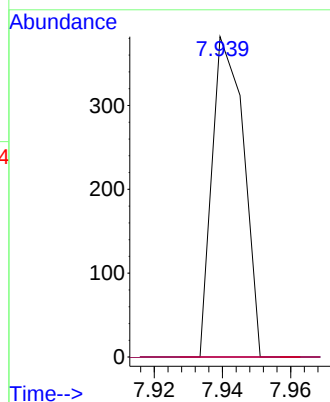
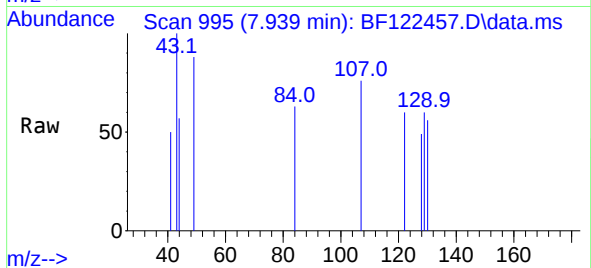




#32
Benzoic acid
Concen: 7.99 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.000 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

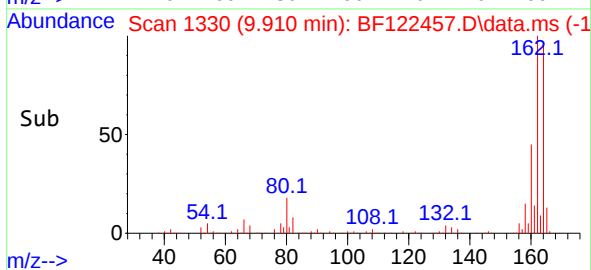
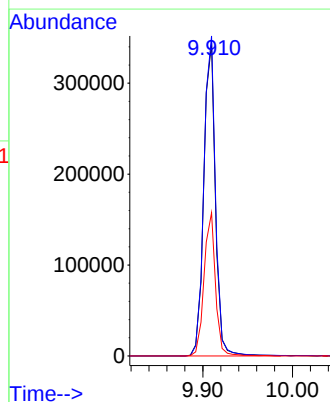
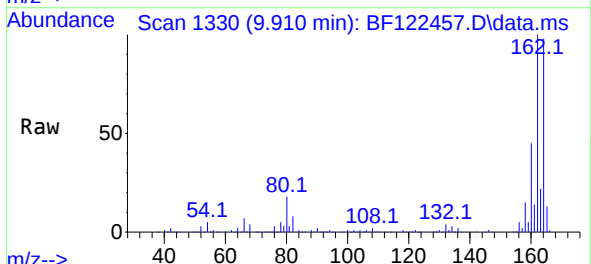
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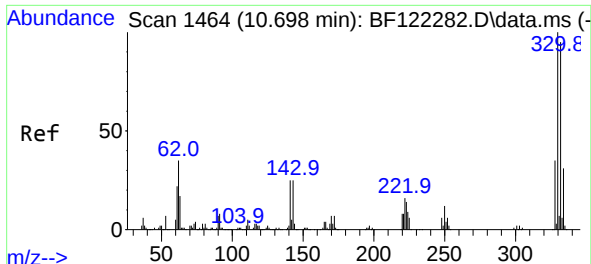
Tgt Ion:122 Resp: 245
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 73.9 113.9#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:164 Resp: 309978
Ion Ratio Lower Upper
164 100
162 102.3 83.2 124.8
160 45.8 37.5 56.3

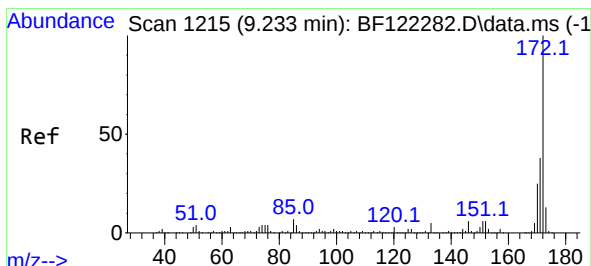
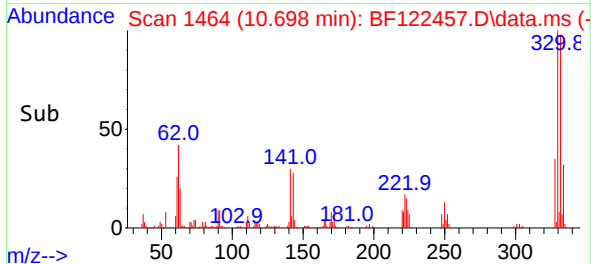
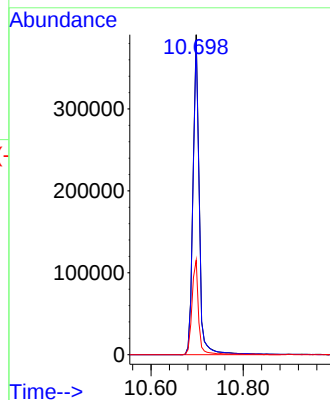
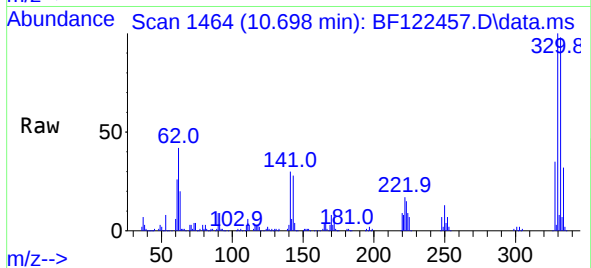




#42
2,4,6-Tribromophenol
Concen: 110.91 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

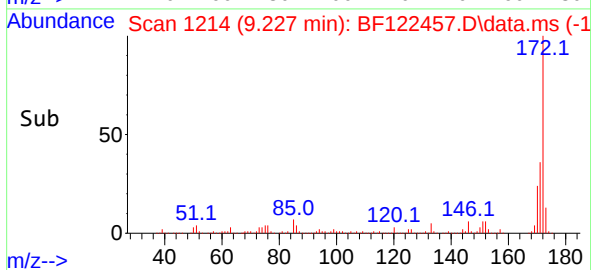
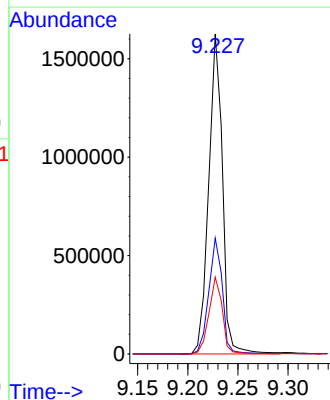
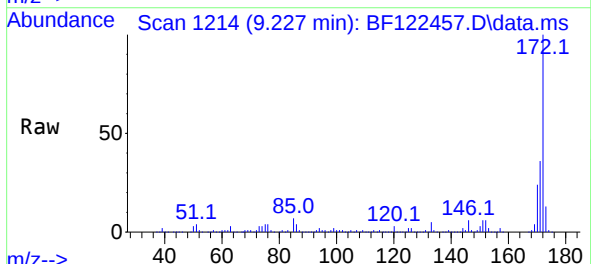
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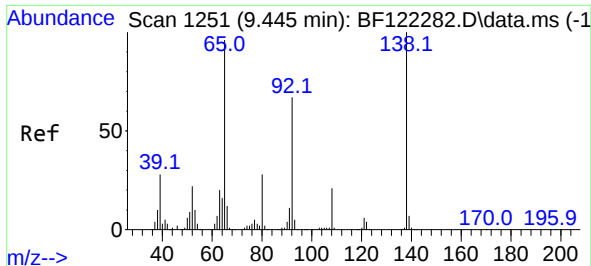
Tgt Ion: 330 Resp: 368994
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 31.0 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 78.38 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion: 172 Resp: 1555073
Ion Ratio Lower Upper
172 100
171 36.2 29.1 43.7
170 24.0 19.8 29.6

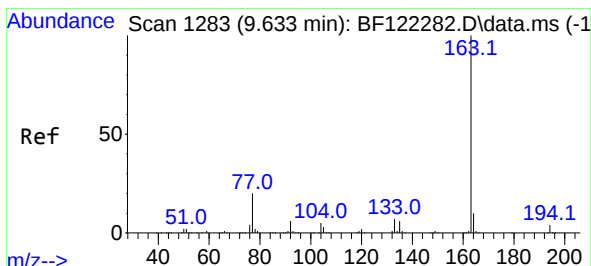
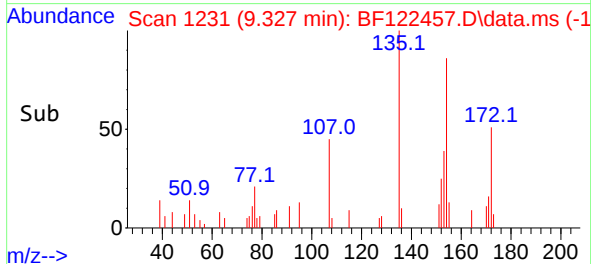
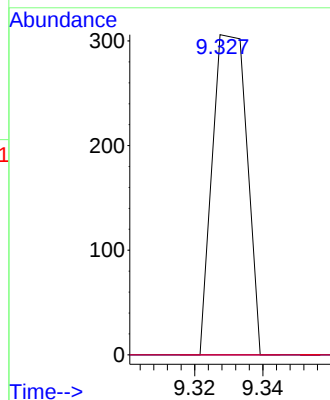
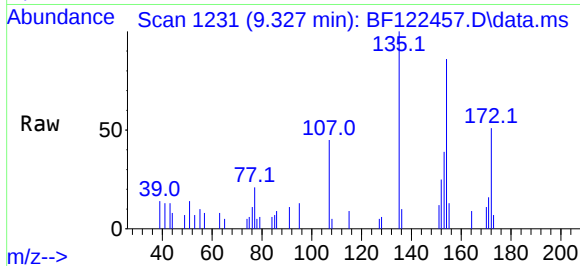




#48
2-Nitroaniline
Concen: 5.20 ng
RT: 9.327 min Scan# 1231
Delta R.T. -0.130 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

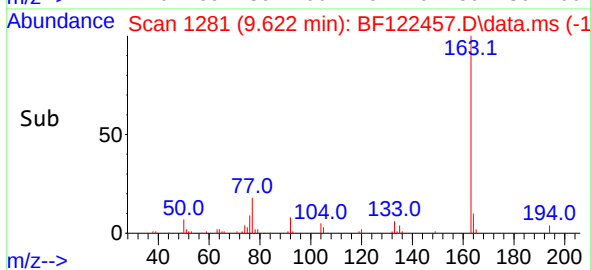
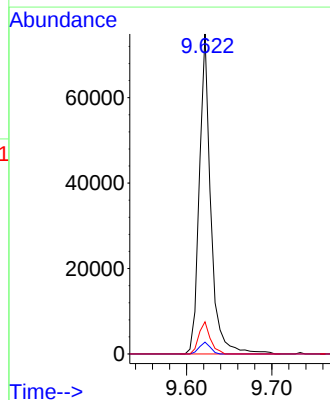
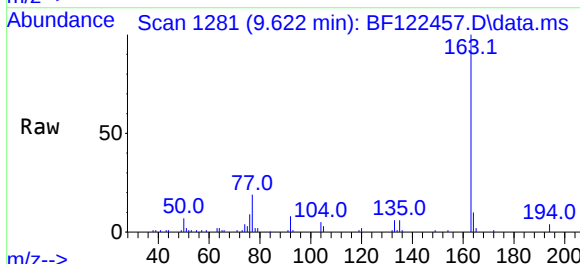
Instrument :
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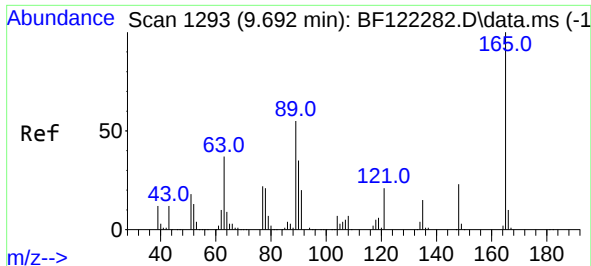
Tgt Ion: 65 Resp: 215
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#



#50
Dimethylphthalate
Concen: 3.18 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.018 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion: 163 Resp: 70014
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.0 8.2 12.4

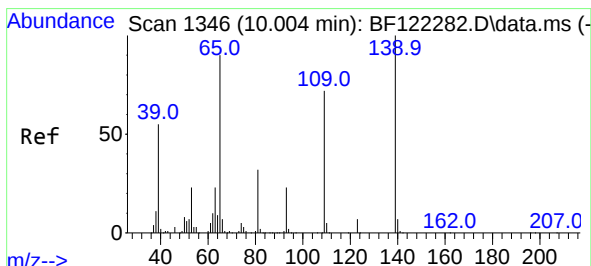
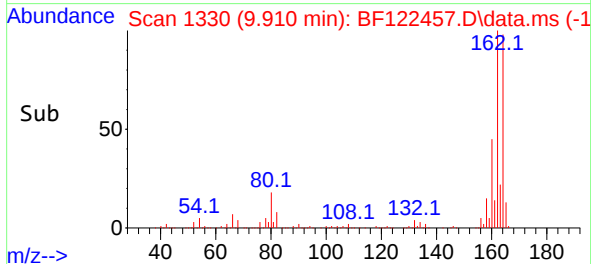
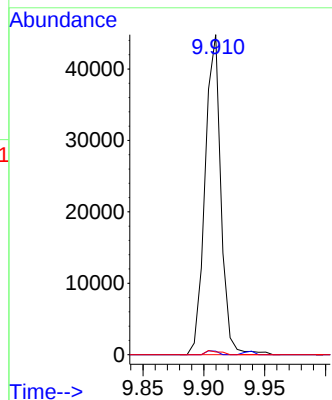
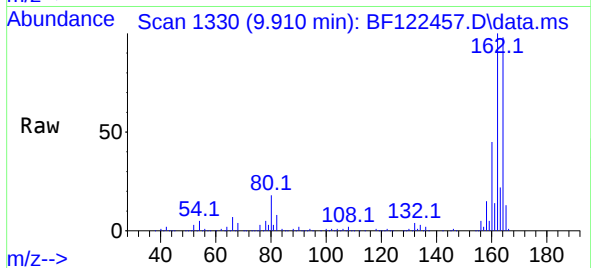




#51
2,6-Dinitrotoluene
Concen: 11.41 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

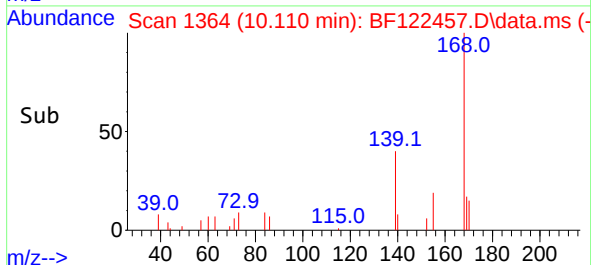
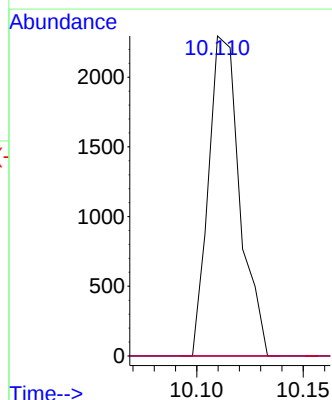
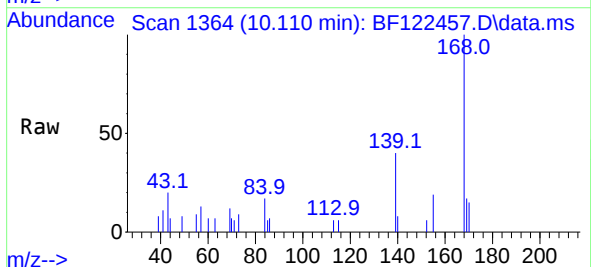
Instrument :
BNA_F
ClientSampled :
TB-2D

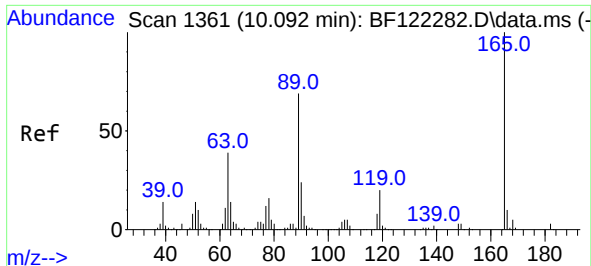
Tgt Ion:165 Resp: 40477
Ion Ratio Lower Upper
165 100
63 1.1 51.8 77.6#
89 0.9 49.0 73.6#



#56
4-Nitrophenol
Concen: 5.86 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.082 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:139 Resp: 2348
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



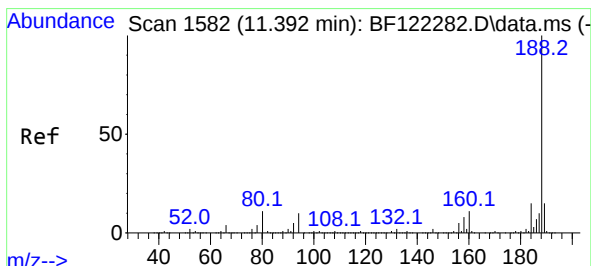
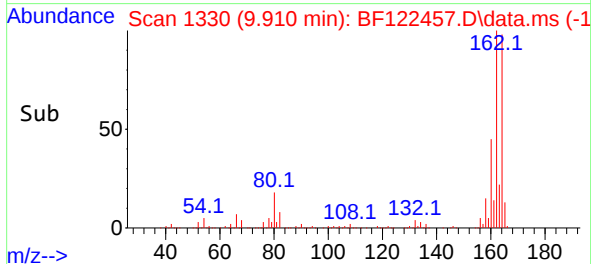
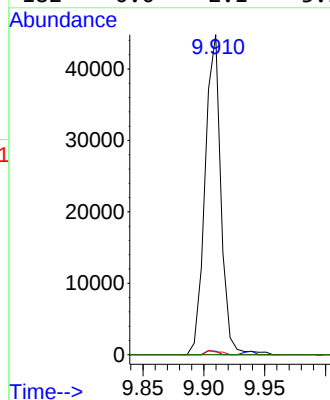
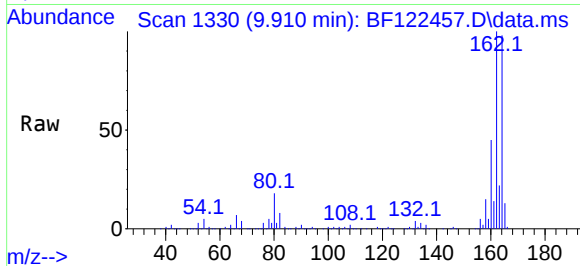


#57
2,4-Dinitrotoluene
Concen: 10.63 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Instrument :
BNA_F
ClientSampled :
TB-2D

Tgt Ion:165 Resp: 40477

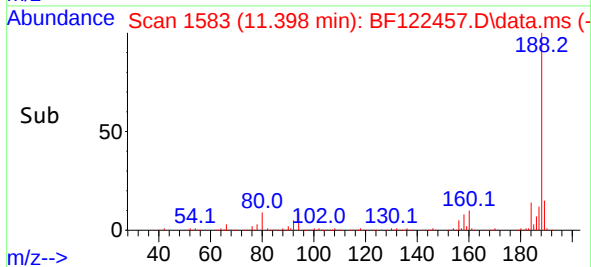
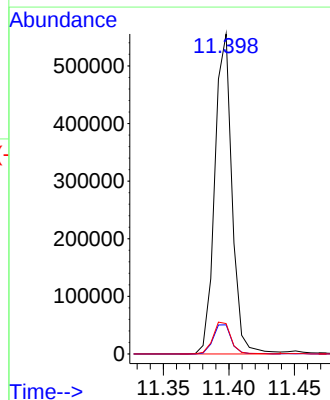
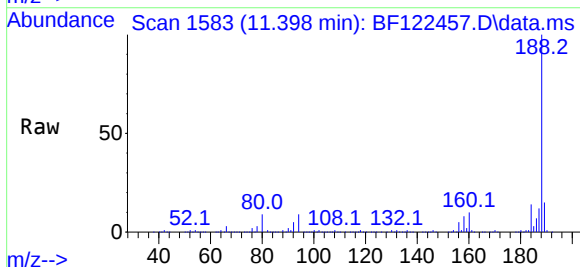
Ion	Ratio	Lower	Upper
165	100		
63	1.1	41.3	61.9#
89	0.9	61.8	92.8#
182	0.0	2.1	3.1#

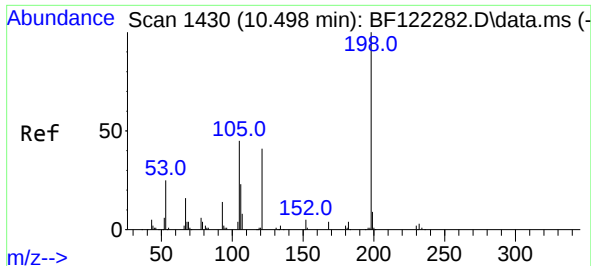


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:188 Resp: 506444

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.3	12.5
80	9.5	9.1	13.7

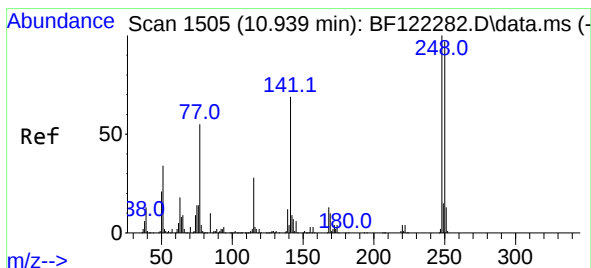
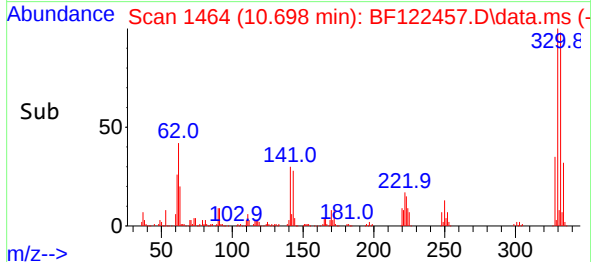
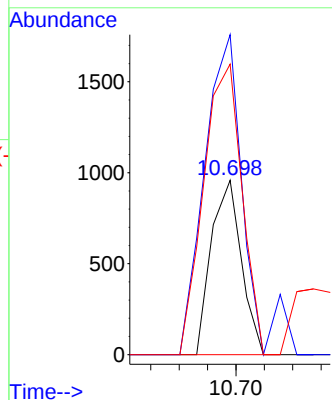
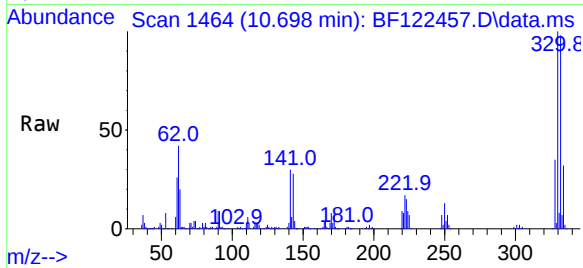




#65
4,6-Dinitro-2-methylphenol
Concen: 6.55 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.188 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

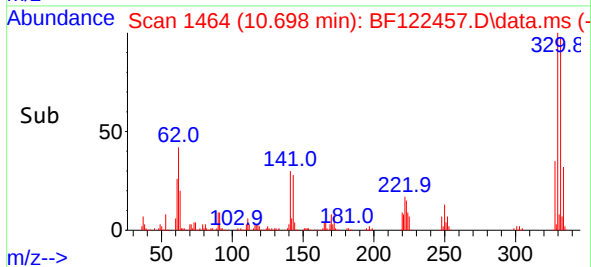
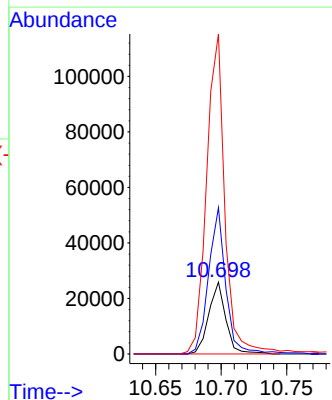
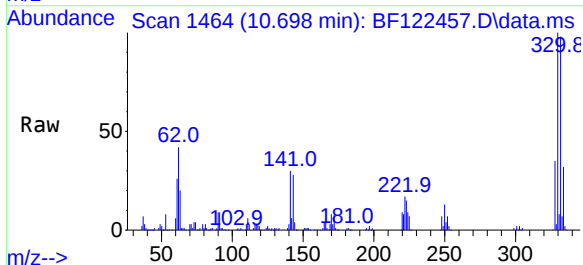
Instrument :
BNA_F
ClientSampled :
TB-2D

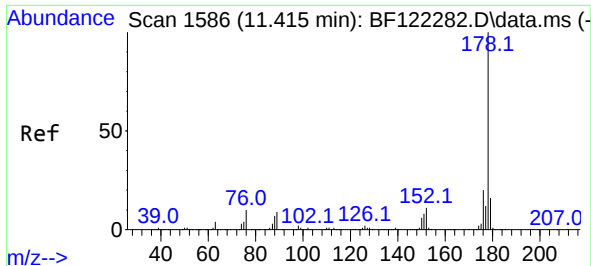
Tgt Ion:198	Resp:	702
Ion	Ratio	Lower Upper
198	100	
51	183.4	29.6 69.6#
105	166.5	24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 3.96 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:248	Resp:	23576
Ion	Ratio	Lower Upper
248	100	
250	203.7	77.0 115.6#
141	445.7	53.7 80.5#



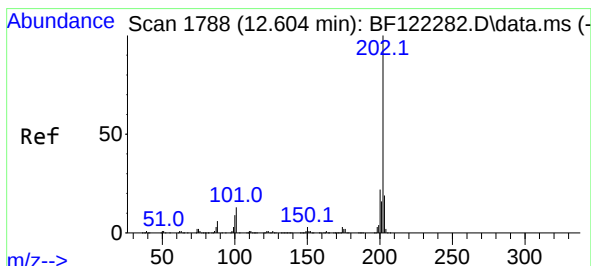
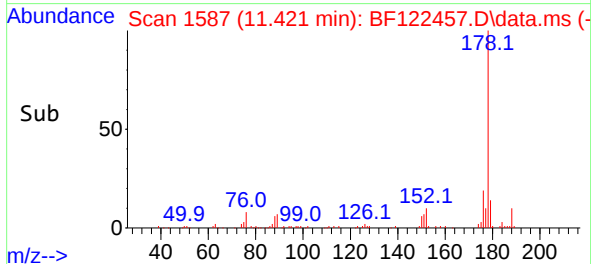
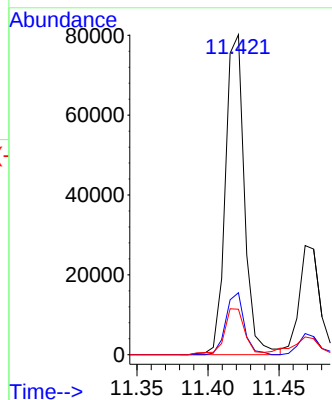
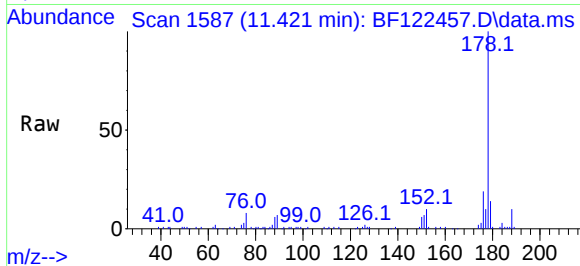


#71
Phenanthrene
Concen: 2.60 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Instrument :
BNA_F
ClientSampleId :
TB-2D

Tgt Ion:178 Resp: 74849

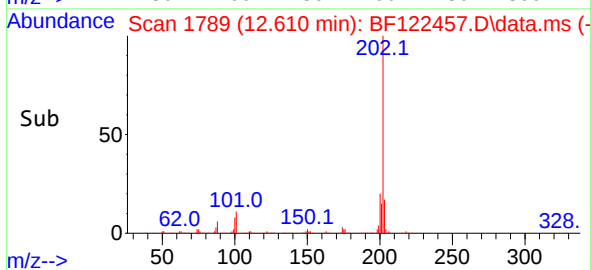
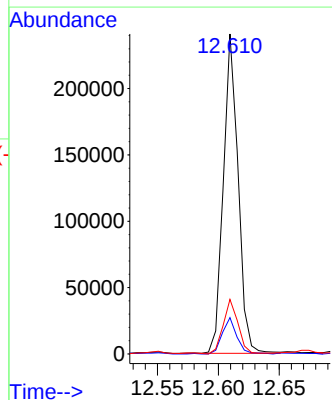
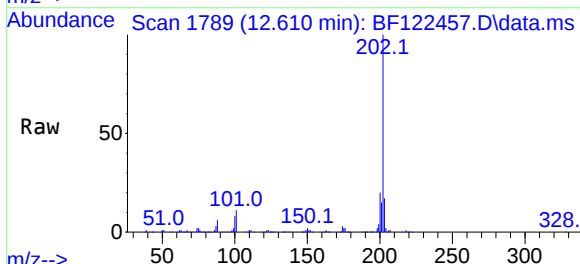
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	14.2	12.2	18.4

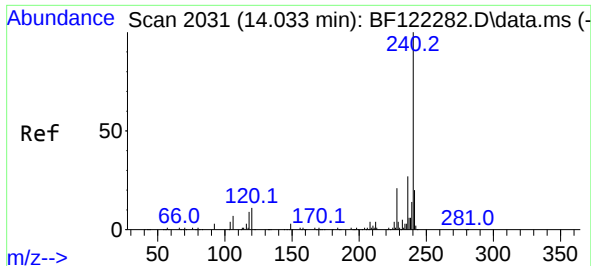


#75
Fluoranthene
Concen: 6.79 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:202 Resp: 203616

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.4
203	17.1	0.0	37.9

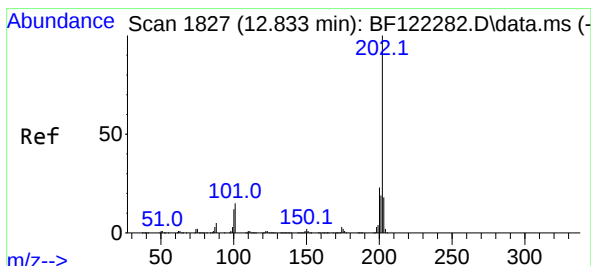
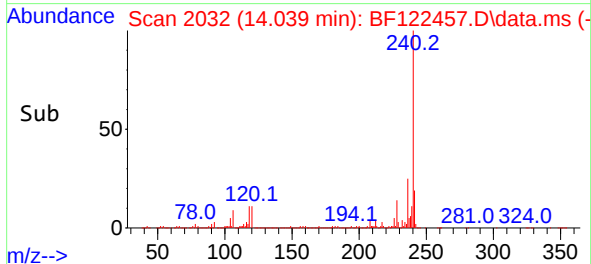
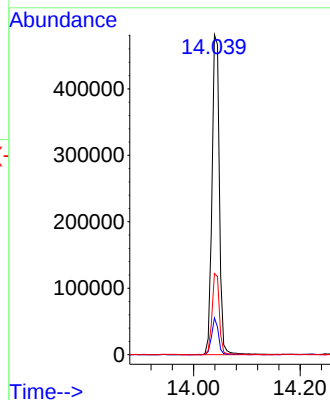
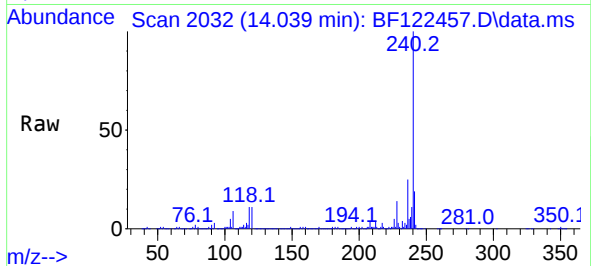




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

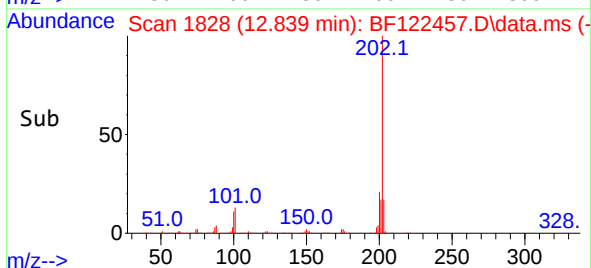
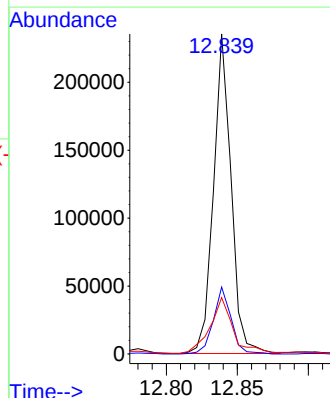
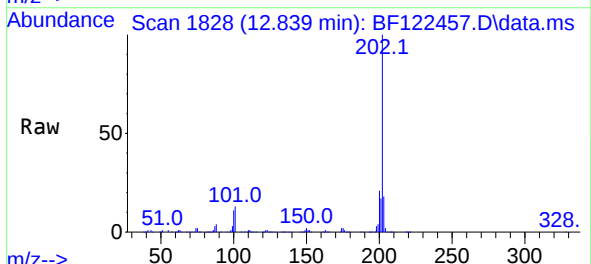
Instrument :
BNA_F
ClientSampleId :
TB-2D

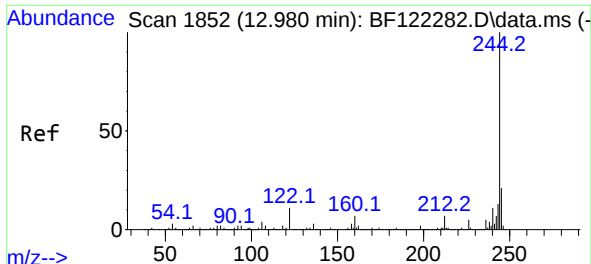
Tgt Ion:240 Resp: 464282
Ion Ratio Lower Upper
240 100
120 11.5 9.2 13.8
236 25.4 20.9 31.3



#78
Pyrene
Concen: 6.20 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:202 Resp: 202369
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.2
203 17.6 14.6 21.8

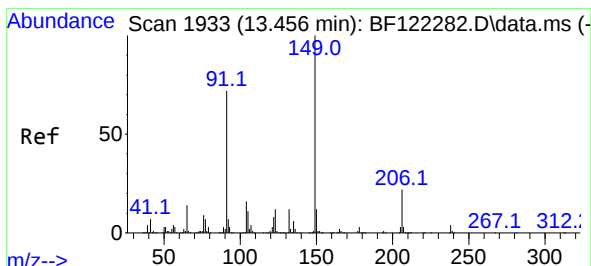
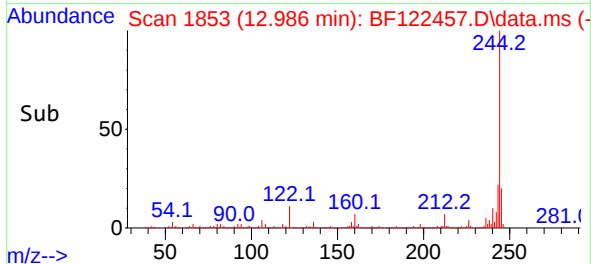
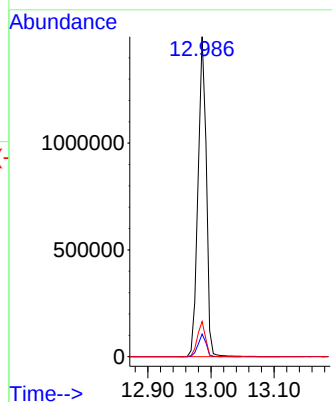
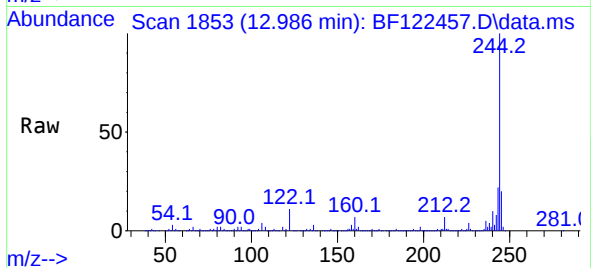




#79
Terphenyl-d14
Concen: 62.00 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

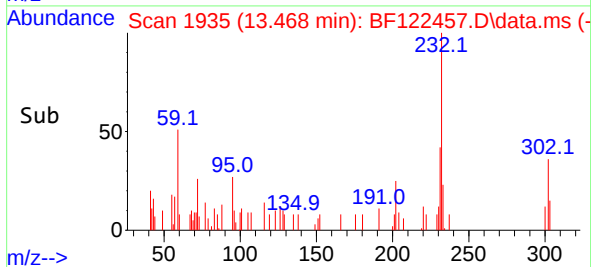
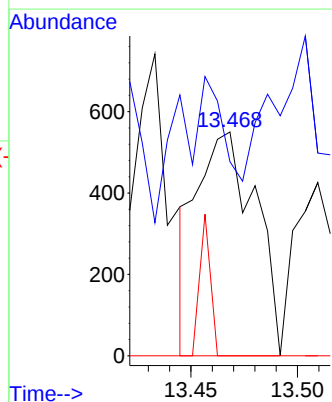
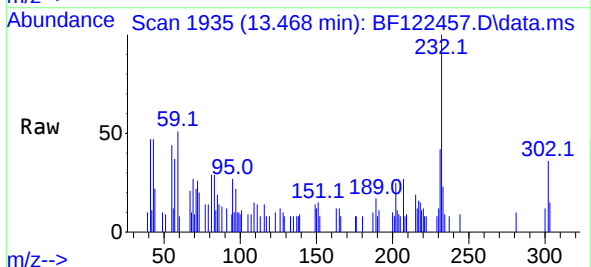
Instrument :
BNA_F
ClientSampleId :
TB-2D

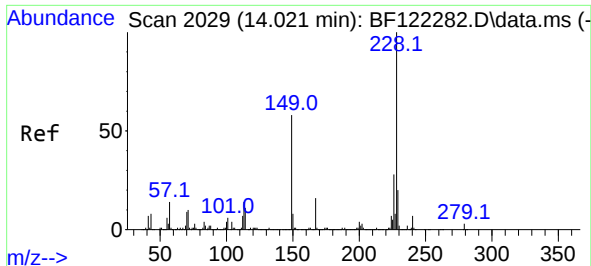
Tgt Ion:244 Resp: 1358771
Ion Ratio Lower Upper
244 100
212 7.1 5.4 8.2
122 11.0 8.1 12.1



#80
Butylbenzylphthalate
Concen: 3.36 ng
RT: 13.468 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:149 Resp: 1053
Ion Ratio Lower Upper
149 100
91 86.7 61.0 91.4
206 0.0 16.7 25.1#

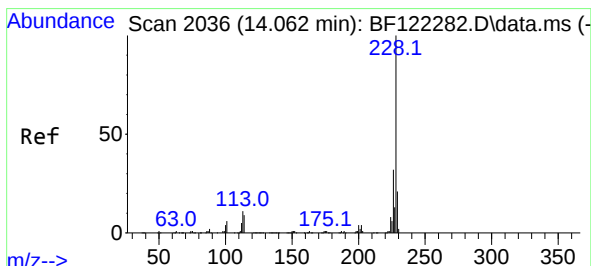
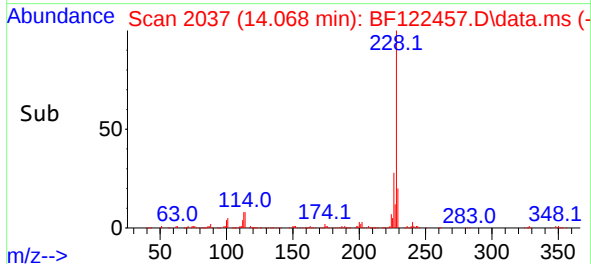
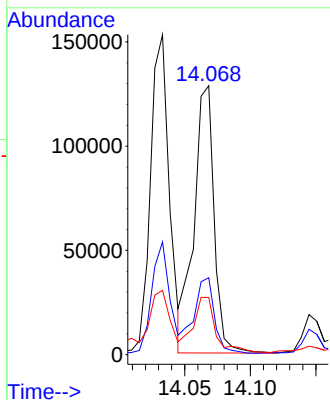
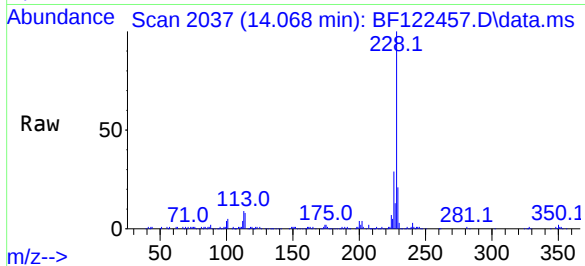




#81
Benzo(a)anthracene
Concen: 4.77 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.029 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

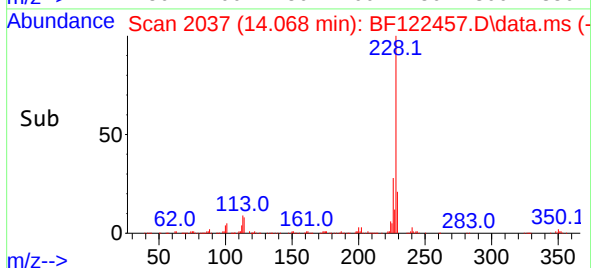
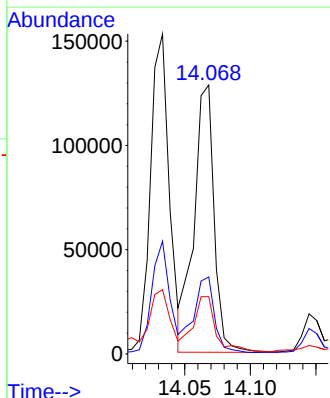
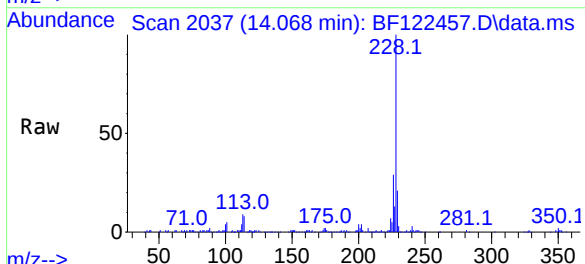
Instrument :
BNA_F
ClientSampled :
TB-2D

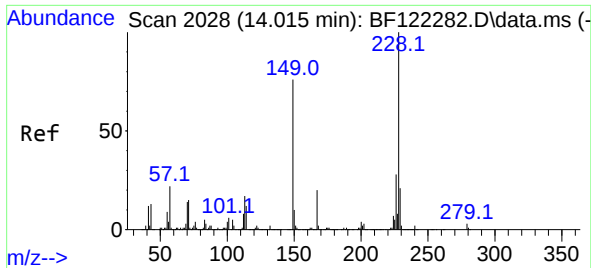
Tgt Ion:228	Resp: 137708
Ion Ratio	Lower Upper
228 100	
226 28.6	22.3 33.5
229 21.3	16.2 24.4



#83
Chrysene
Concen: 4.74 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:228	Resp: 137708		
Ion Ratio	Lower	Upper	
228 100			
226 28.6	24.6	37.0	
229 21.3	15.9	23.9	



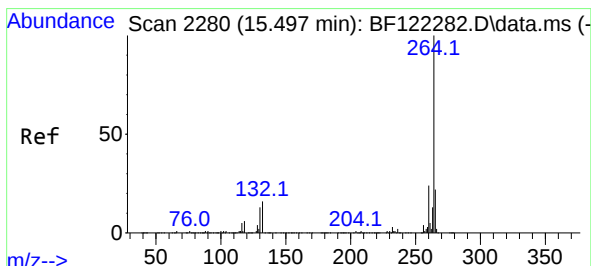
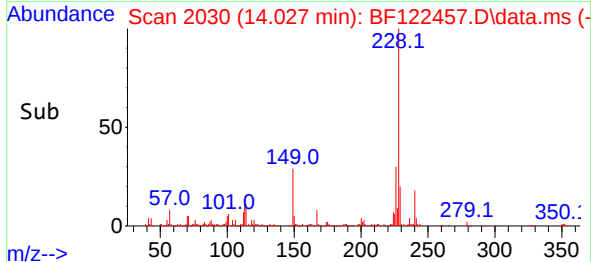
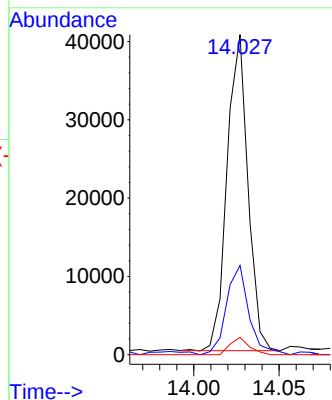
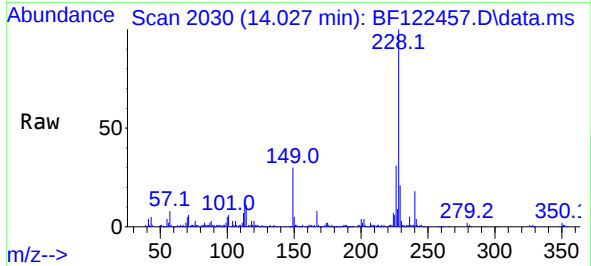


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.19 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Instrument :
BNA_F
ClientSampleId :
TB-2D

Tgt Ion:149 Resp: 34468

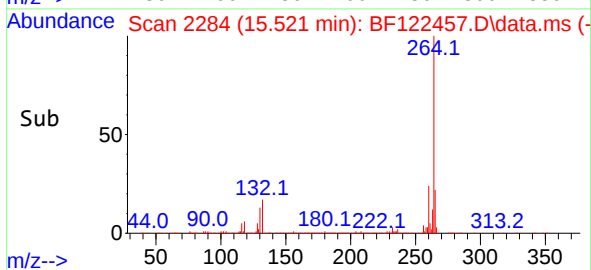
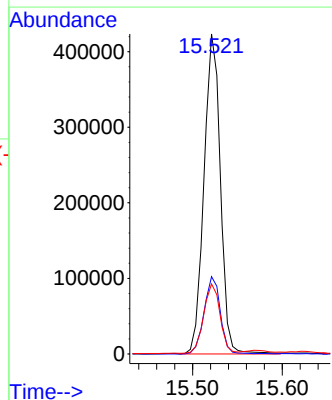
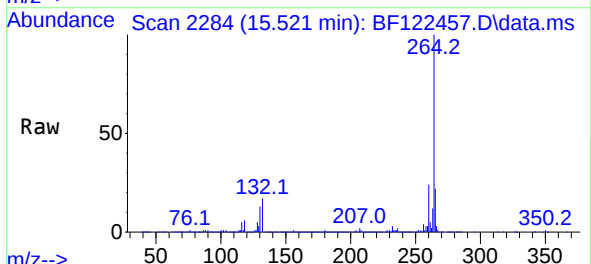
Ion	Ratio	Lower	Upper
149	100		
167	27.9	20.9	31.3
279	5.4	3.2	4.8#

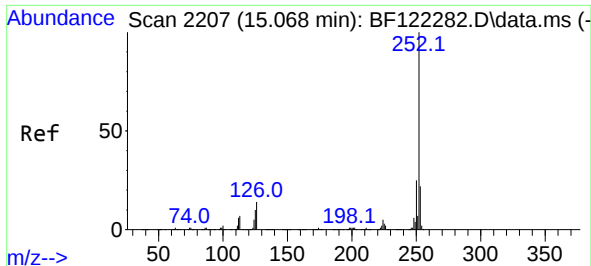


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.521 min Scan# 2284
Delta R.T. -0.012 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:264 Resp: 538264

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	21.9	17.3	25.9



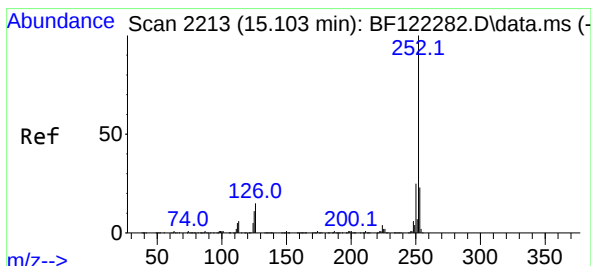
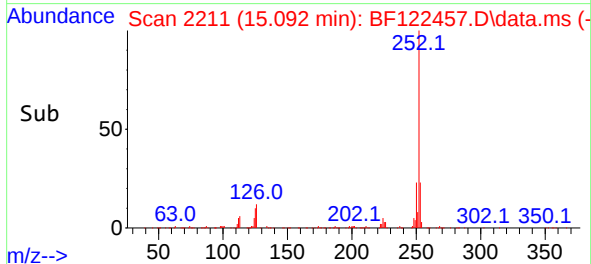
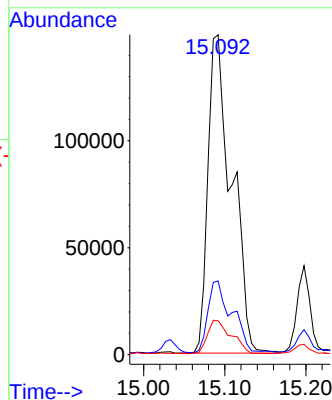
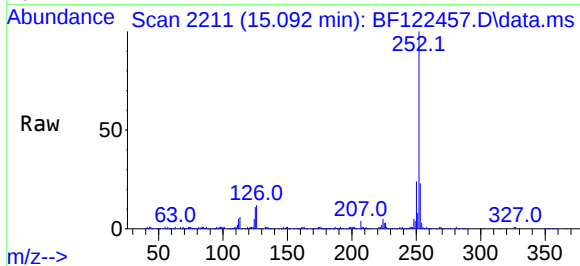


#88
Benzo(b)fluoranthene
Concen: 8.67 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Instrument :
BNA_F
ClientSampleId :
TB-2D

Tgt Ion:252 Resp: 302269

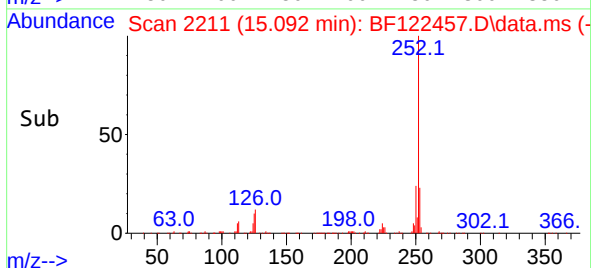
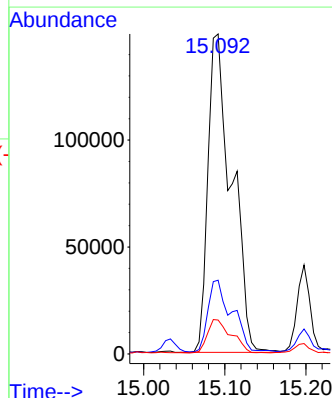
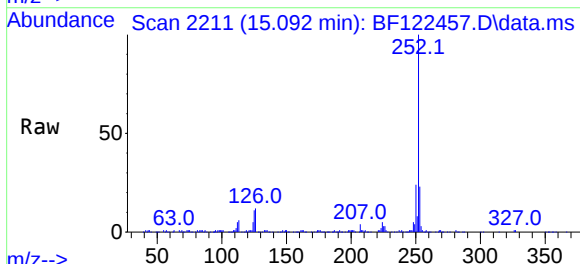
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	10.6	8.0	12.0

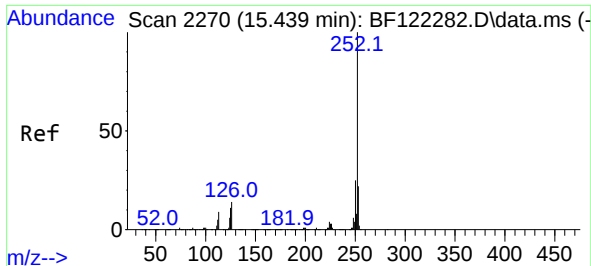


#89
Benzo(k)fluoranthene
Concen: 8.89 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.041 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:252 Resp: 302269

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	10.6	7.7	11.5



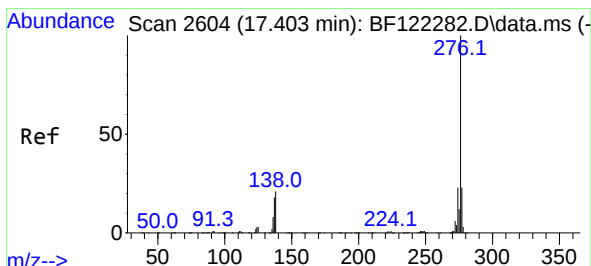
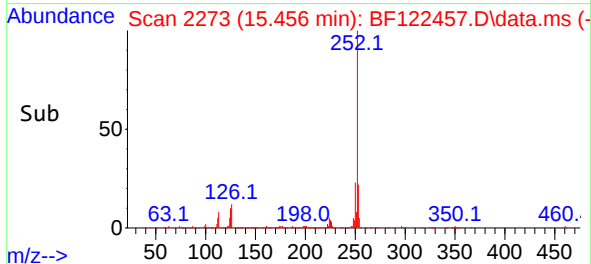
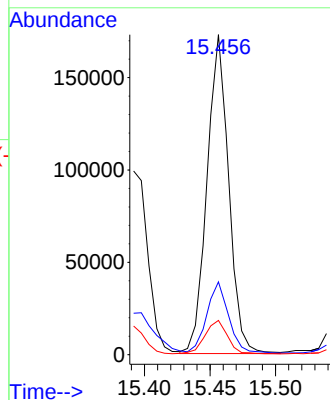
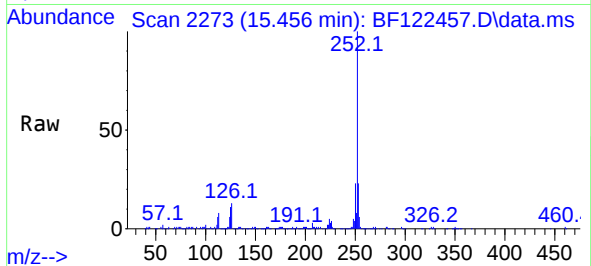


#90
Benzo(a)pyrene
Concen: 6.54 ng
RT: 15.456 min Scan# 2273
Delta R.T. -0.018 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Instrument :
BNA_F
ClientSampleId :
TB-2D

Tgt Ion:252 Resp: 198824

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	10.7	8.6	13.0



#92
Benzo(g,h,i)perylene
Concen: 4.45 ng
RT: 17.439 min Scan# 2610
Delta R.T. -0.030 min
Lab File: BF122457.D
Acq: 23 Nov 2020 20:26

Tgt Ion:276 Resp: 116977

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.2
138	20.6	17.8	26.6

