

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120920\
 Data File : BF122630.D
 Acq On : 10 Dec 2020 1:34
 Operator : JU/CG
 Sample : L4977-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11976

Quant Time: Dec 10 03:08:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

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

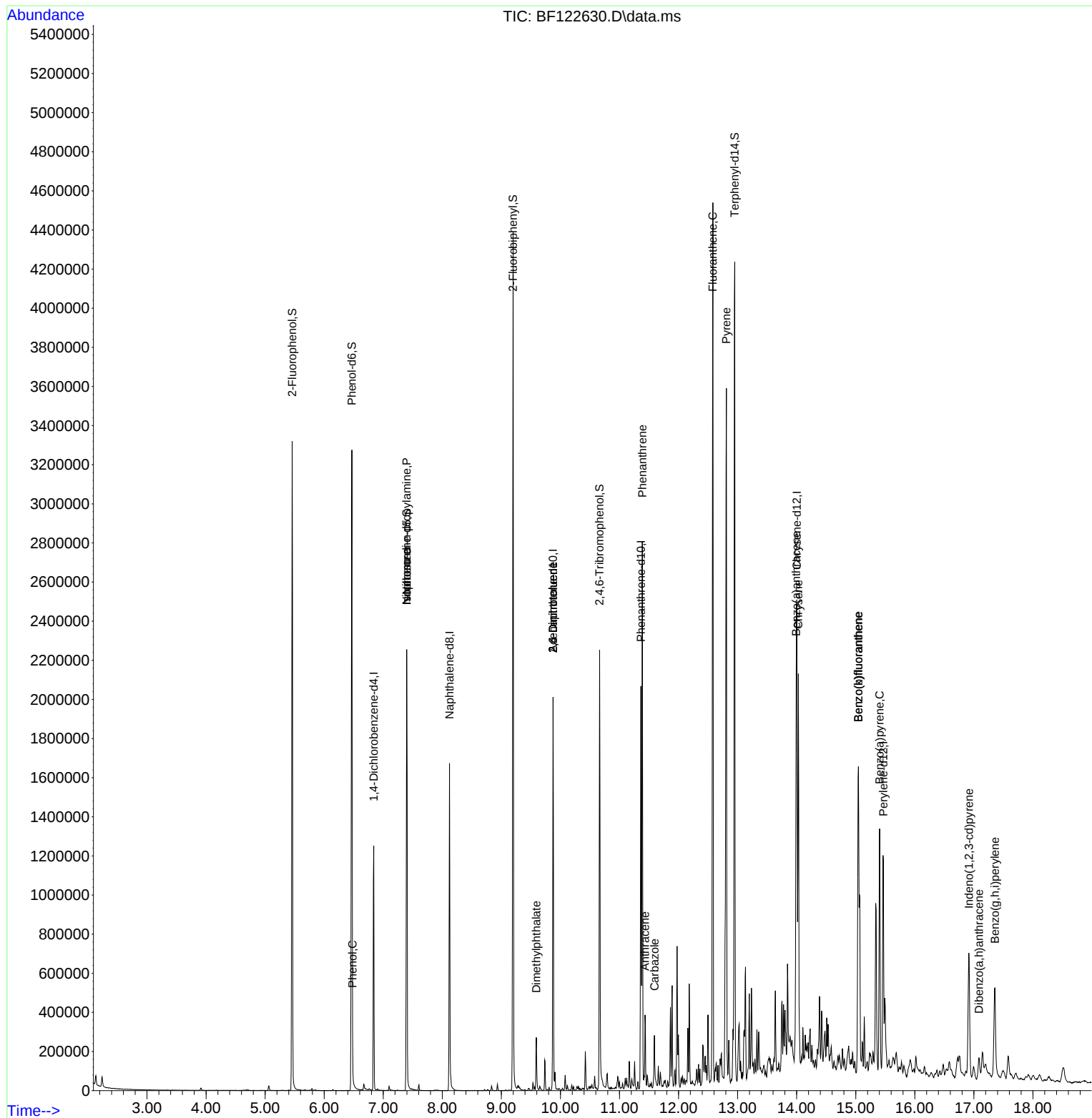
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	189238	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	740546	20.00	ng	0.00
39) Acenaphthene-d10	9.874	164	395758	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	728178	20.00	ng	0.00
76) Chrysene-d12	14.004	240	565147	20.00	ng	0.00
86) Perylene-d12	15.468	264	525634	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	1002601	83.88	ng	0.00
7) Phenol-d6	6.469	99	1233983	77.84	ng	-0.01
23) Nitrobenzene-d5	7.398	82	767043	51.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	305136	58.90	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1364054	46.62	ng	0.00
79) Terphenyl-d14	12.951	244	1425613	44.16	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.481	94	53961	3.28	ng	84
19) n-Nitroso-di-n-propyla...	7.398	70	101169	11.14	ng	# 77
25) Isophorone	7.398	82	757991	29.77	ng	# 65
50) Dimethylphthalate	9.592	163	125362	3.97	ng	98
51) 2,6-Dinitrotoluene	9.874	165	52291	7.83	ng	# 31
57) 2,4-Dinitrotoluene	9.874	165	52291	5.88	ng	# 25
71) Phenanthrene	11.386	178	990753	22.89	ng	99
72) Anthracene	11.433	178	148288	3.46	ng	99
73) Carbazole	11.592	167	101709	2.61	ng	97
75) Fluoranthene	12.580	202	1824774	40.21	ng	99
78) Pyrene	12.810	202	1557006	35.63	ng	99
81) Benzo(a)anthracene	13.992	228	719029	19.04	ng	98
83) Chrysene	14.027	228	727698	19.36	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	417828	12.11	ng	96
88) Benzo(b)fluoranthene	15.045	252	1241753	33.67	ng	99
89) Benzo(k)fluoranthene	15.045	252	1241753	36.83	ng	100
90) Benzo(a)pyrene	15.404	252	585515	18.15	ng	98
91) Dibenzo(a,h)anthracene	17.086	278	66211	2.34	ng	95
92) Benzo(g,h,i)perylene	17.356	276	369554	13.52	ng	99

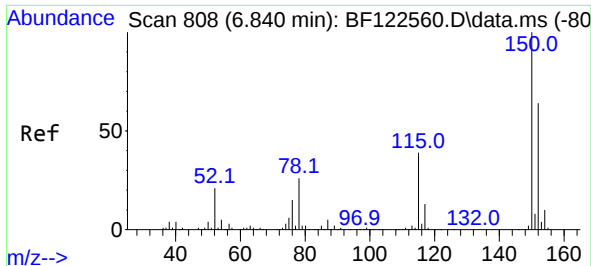
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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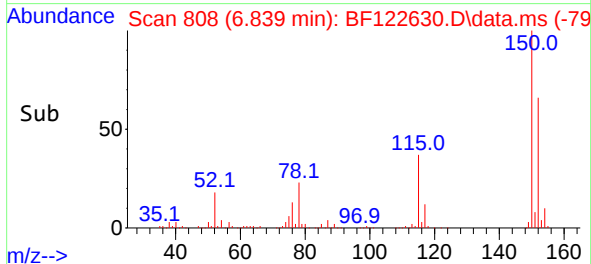
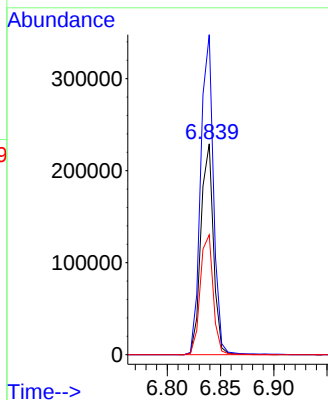
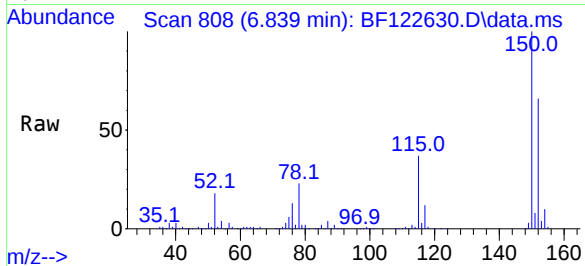




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.001 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

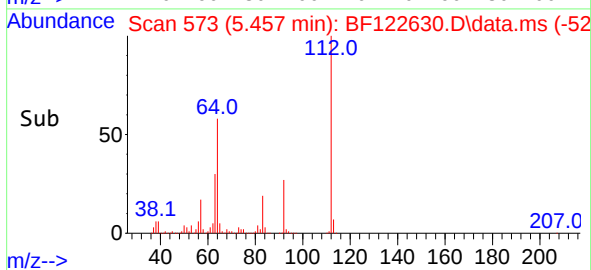
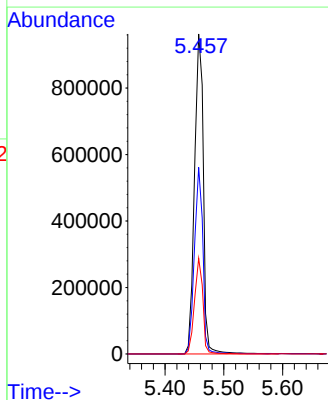
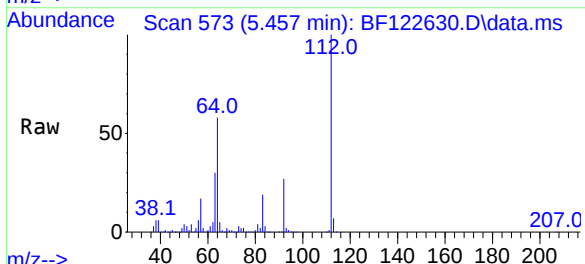
Instrument :
BNA_F
ClientSampleId :
72-11976

Tgt Ion:152 Resp: 189238
Ion Ratio Lower Upper
152 100
150 151.8 125.8 188.6
115 56.8 49.3 73.9



#5
2-Fluorophenol
Concen: 83.88 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.000 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:112 Resp: 1002601
Ion Ratio Lower Upper
112 100
64 58.3 46.9 70.3
63 29.9 24.5 36.7



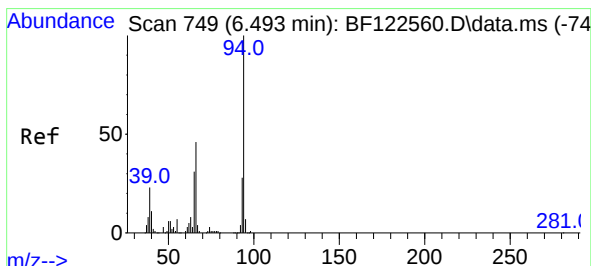
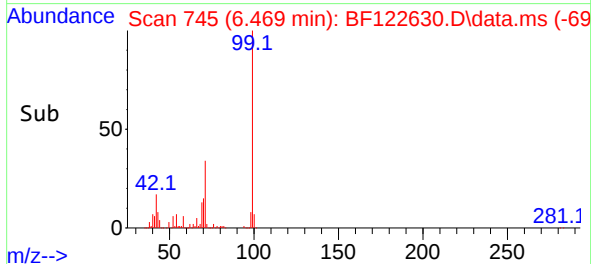
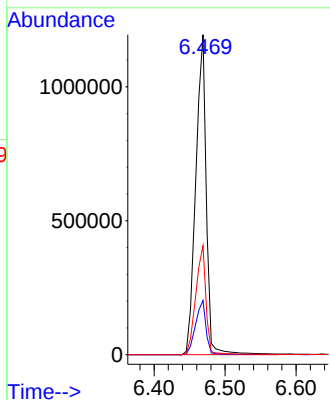
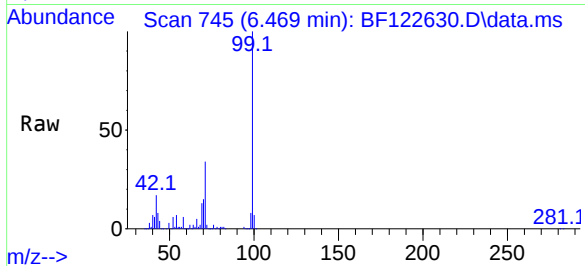


#7
Phenol-d6
Concen: 77.84 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Instrument :
BNA_F
ClientSampleId :
72-11976

Tgt Ion: 99 Resp: 1233983

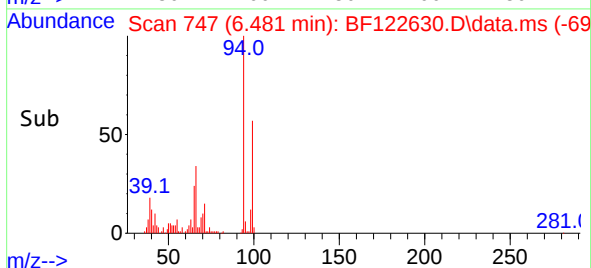
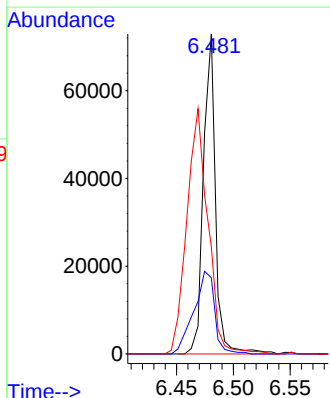
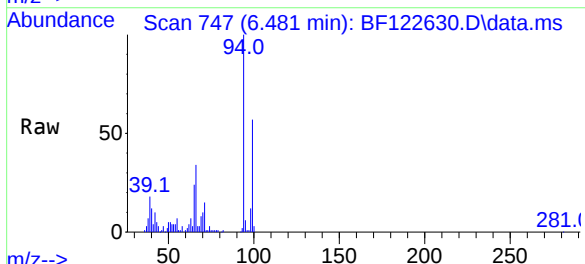
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.8	20.6
71	34.0	26.9	40.3

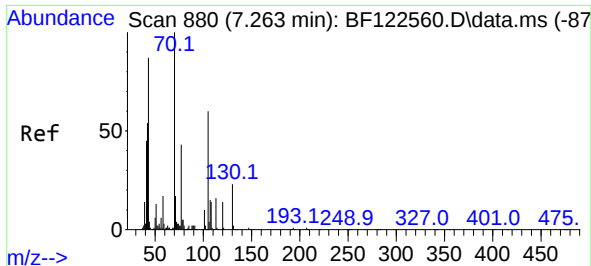


#10
Phenol
Concen: 3.28 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion: 94 Resp: 53961

Ion	Ratio	Lower	Upper
94	100		
65	23.8	11.2	51.2
66	33.5	25.8	65.8

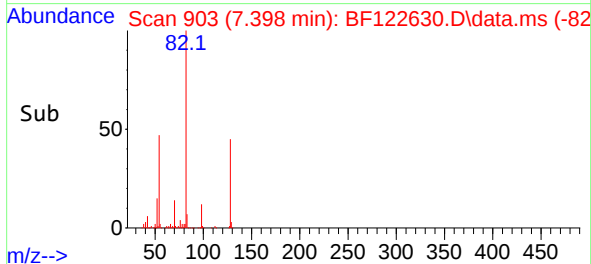
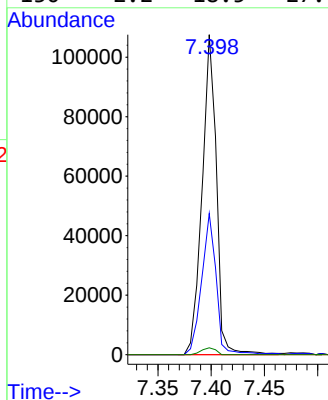
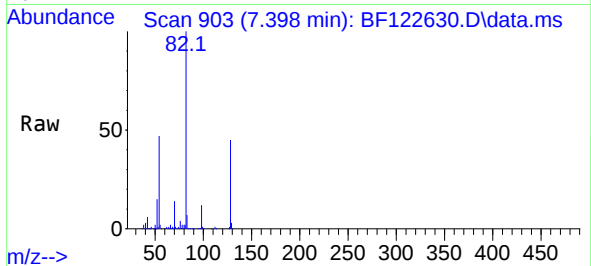




#19
n-Nitroso-di-n-propylamine
Concen: 11.14 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.135 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

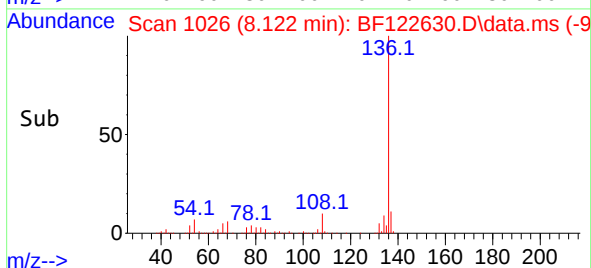
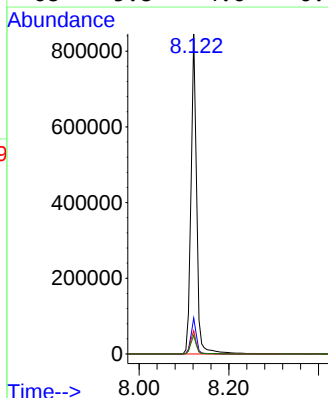
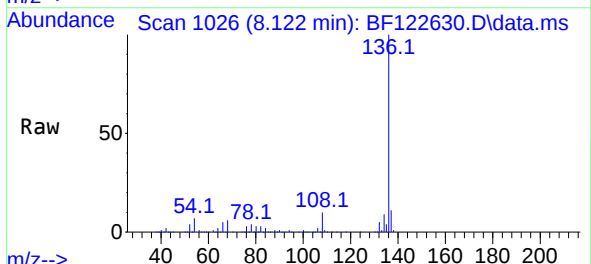
Instrument :
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ClientSampleId :
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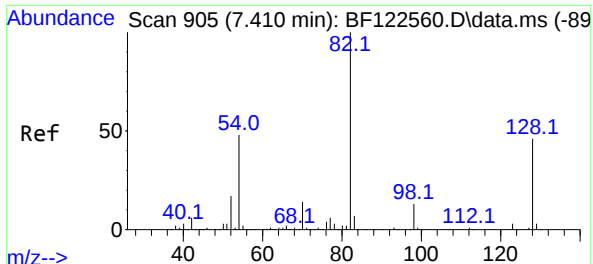
Tgt Ion: 70 Resp: 101169
Ion Ratio Lower Upper
70 100
42 44.1 43.0 64.4
101 0.0 7.9 11.9#
130 2.2 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion: 136 Resp: 740546
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.2 5.5 8.3
68 5.8 4.6 6.8

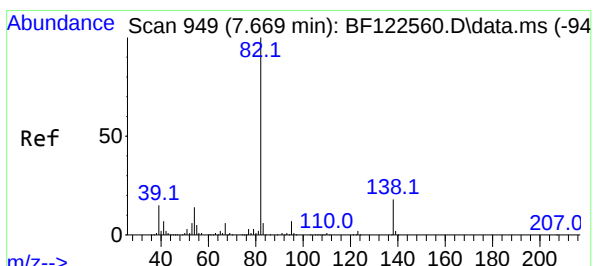
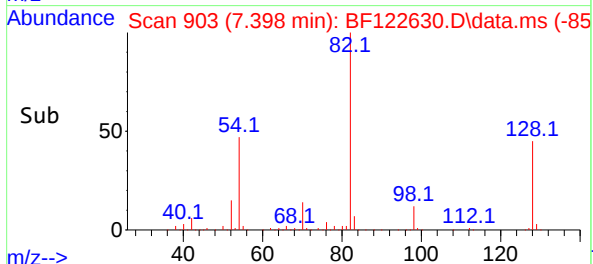
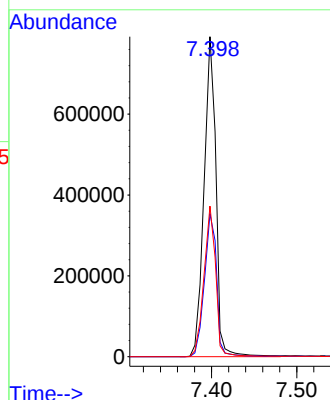
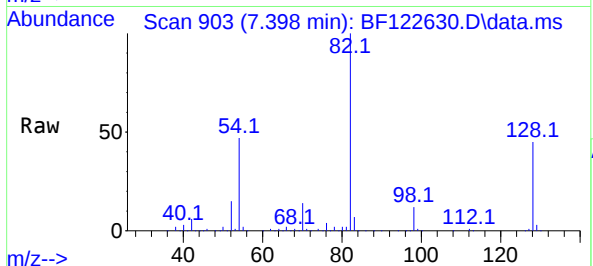




#23
Nitrobenzene-d5
Concen: 51.89 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

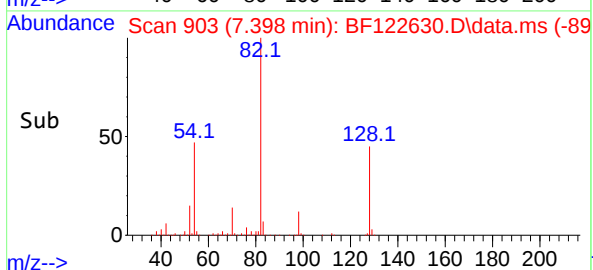
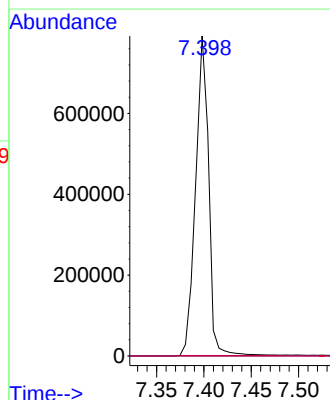
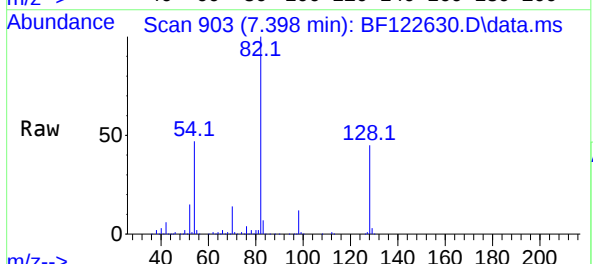
Instrument :
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ClientSampleId :
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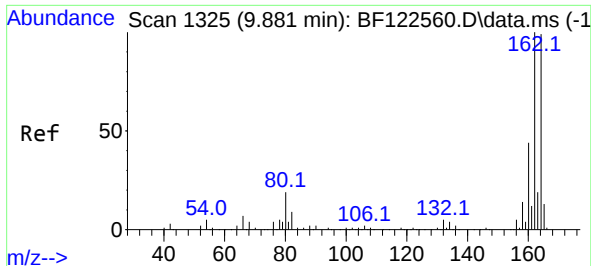
Tgt Ion: 82 Resp: 767043
Ion Ratio Lower Upper
82 100
128 44.7 37.0 55.4
54 47.0 38.4 57.6



#25
Isophorone
Concen: 29.77 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.271 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion: 82 Resp: 757991
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

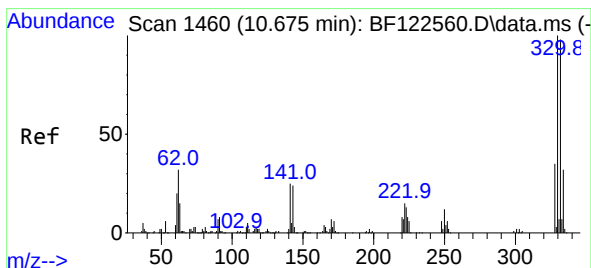
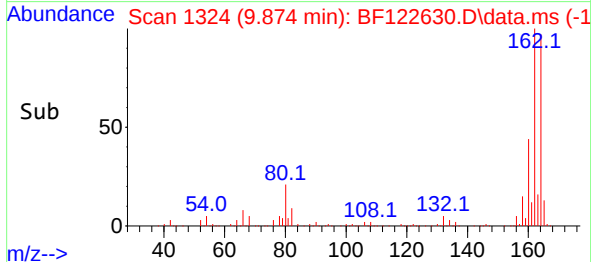
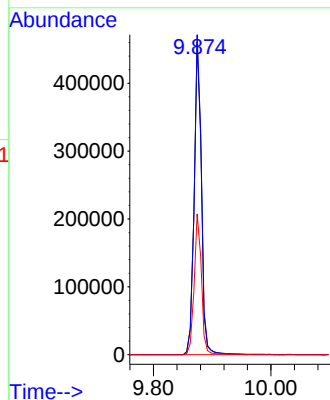
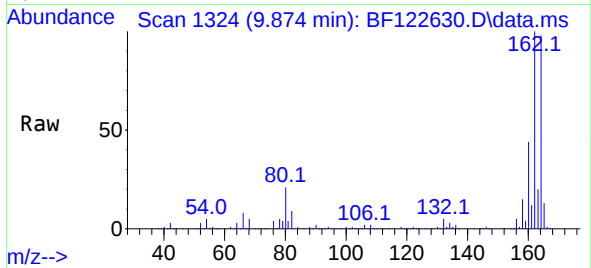




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.007 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

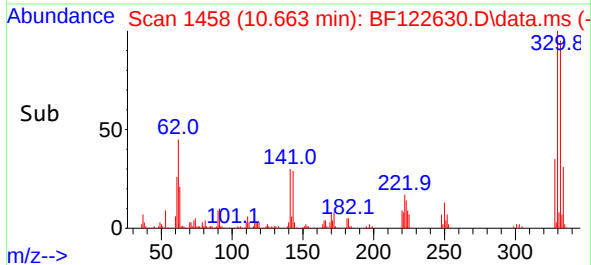
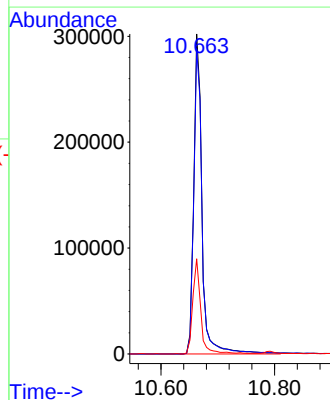
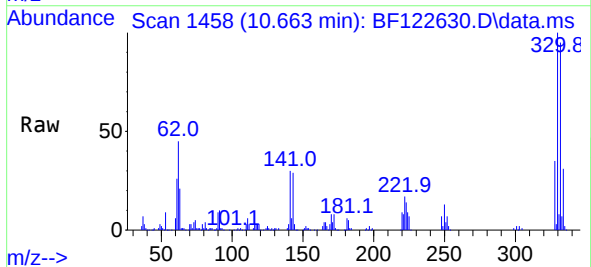
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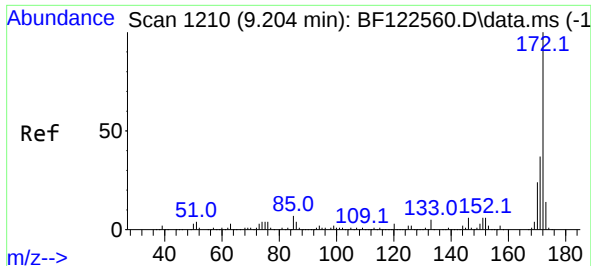
Tgt Ion:164 Resp: 395758
Ion Ratio Lower Upper
164 100
162 102.3 80.8 121.2
160 45.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 58.90 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:330 Resp: 305136
Ion Ratio Lower Upper
330 100
332 97.8 77.5 116.3
141 28.8 23.8 35.8

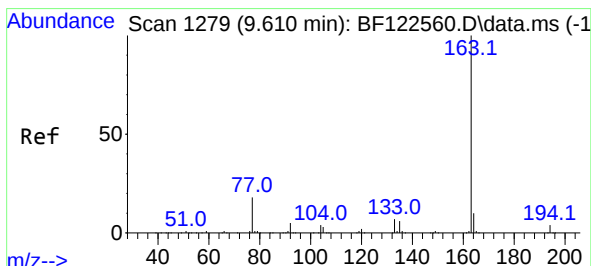
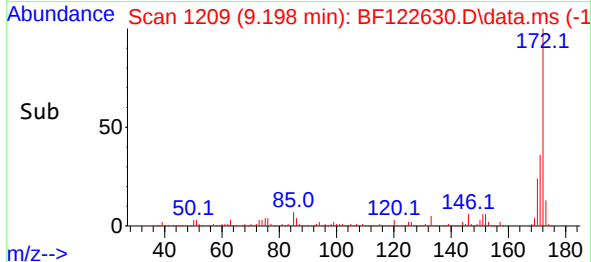
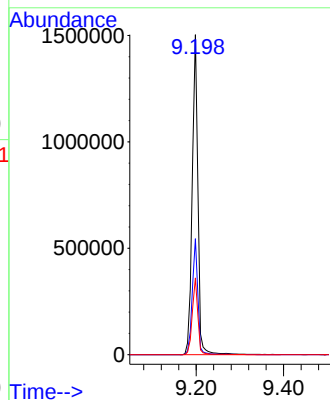
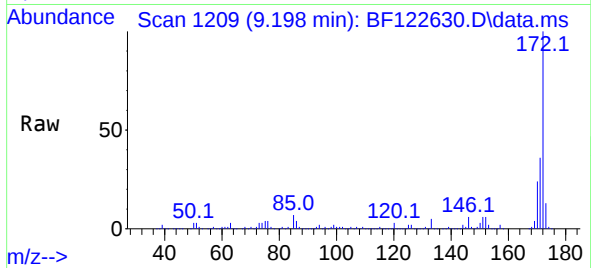




#45
2-Fluorobiphenyl
Concen: 46.62 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

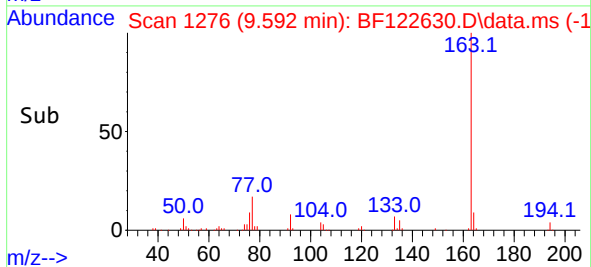
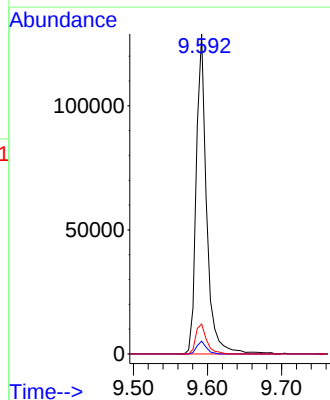
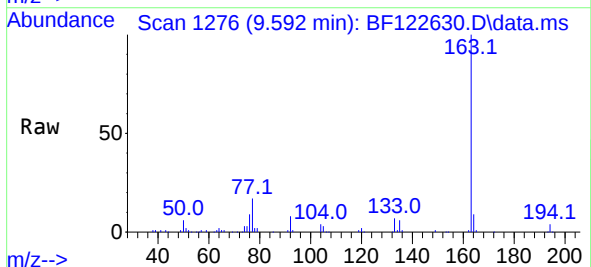
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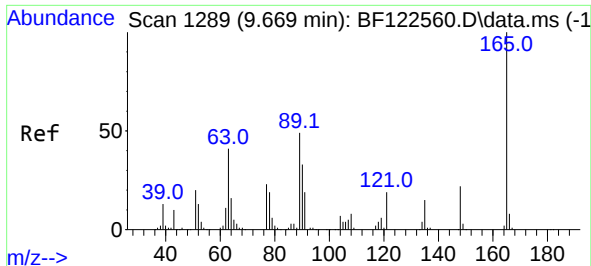
Tgt Ion:172 Resp: 1364054
Ion Ratio Lower Upper
172 100
171 36.2 29.6 44.4
170 24.0 19.5 29.3



#50
Dimethylphthalate
Concen: 3.97 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:163 Resp: 125362
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 9.3 8.1 12.1

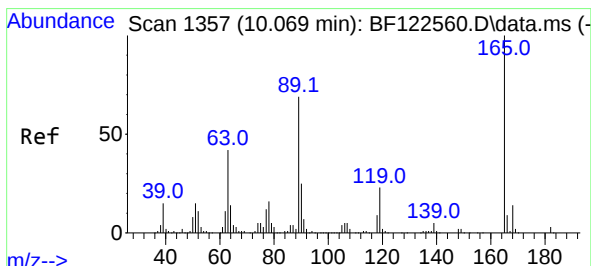
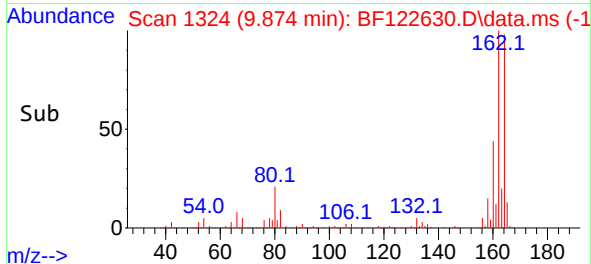
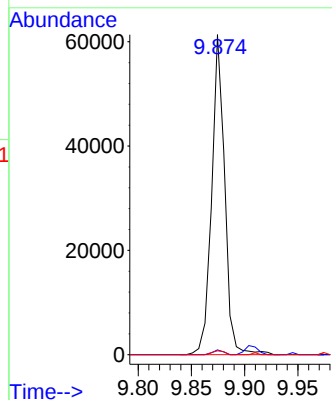
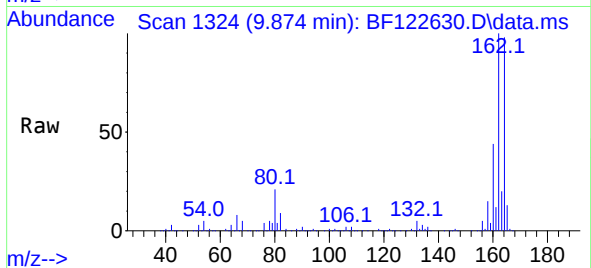




#51
2,6-Dinitrotoluene
Concen: 7.83 ng
RT: 9.874 min Scan# 1324
Delta R.T. 0.206 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

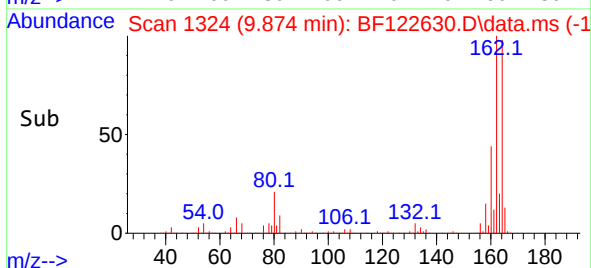
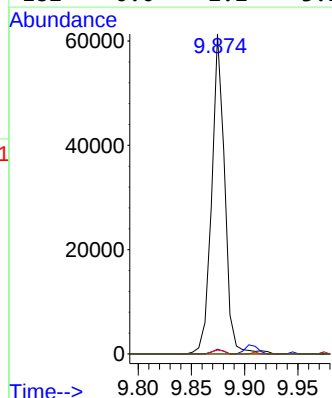
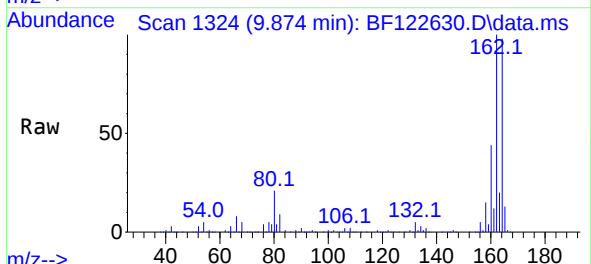
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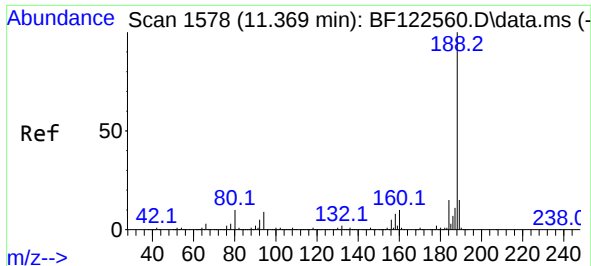
Tgt Ion:165 Resp: 52291
Ion Ratio Lower Upper
165 100
63 1.5 36.6 55.0#
89 1.2 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.88 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.194 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:165 Resp: 52291
Ion Ratio Lower Upper
165 100
63 1.5 34.3 51.5#
89 1.2 55.2 82.8#
182 0.0 2.2 3.2#

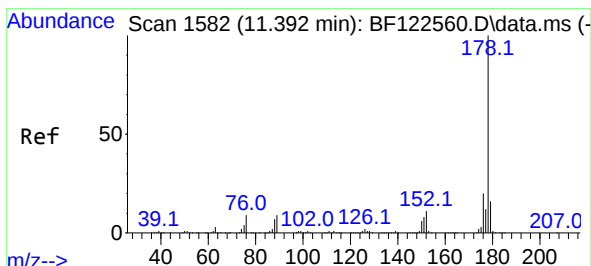
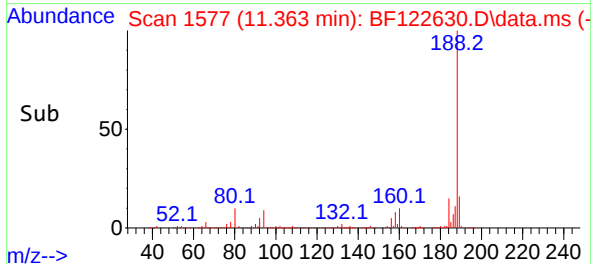
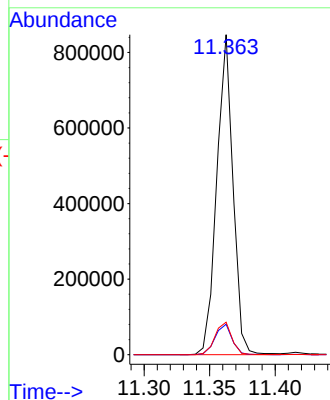
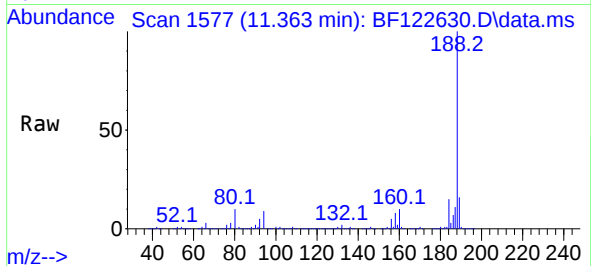




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

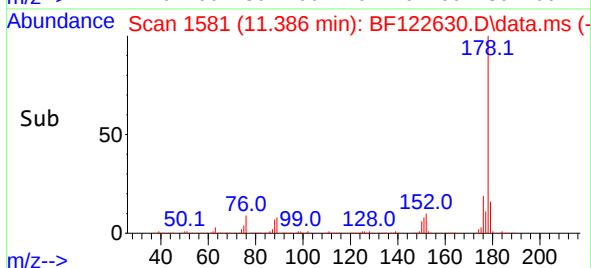
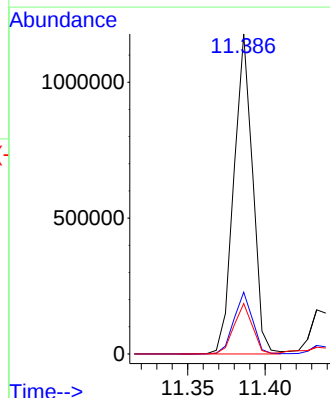
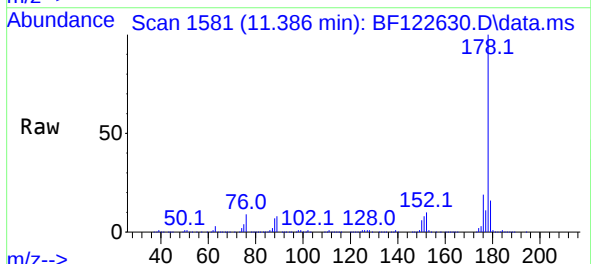
Instrument :
BNA_F
ClientSampleId :
72-11976

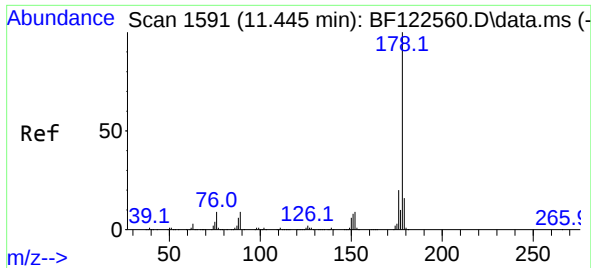
Tgt Ion:188 Resp: 728178
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.1 8.2 12.4



#71
Phenanthrene
Concen: 22.89 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:178 Resp: 990753
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.8 12.7 19.1

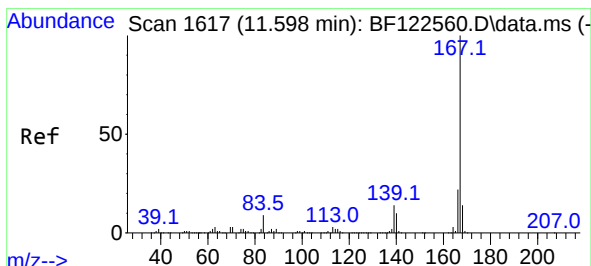
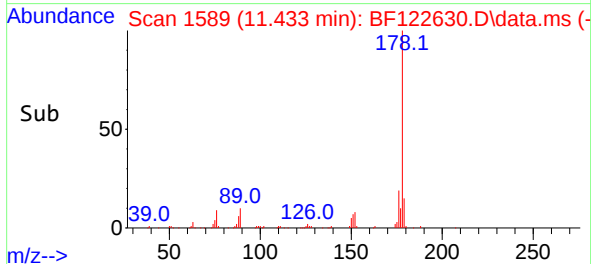
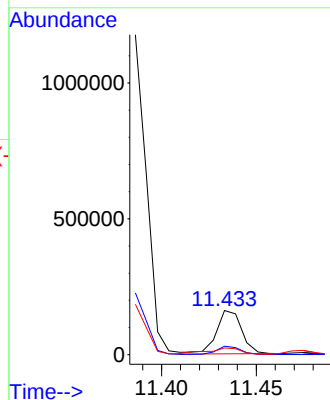
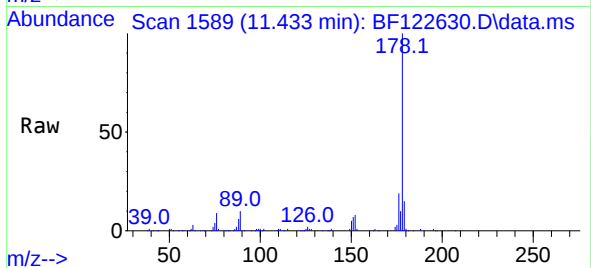




#72
 Anthracene
 Concen: 3.46 ng
 RT: 11.433 min Scan# 1589
 Delta R.T. -0.012 min
 Lab File: BF122630.D
 Acq: 10 Dec 2020 1:34

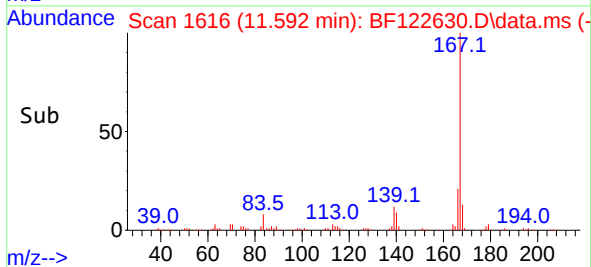
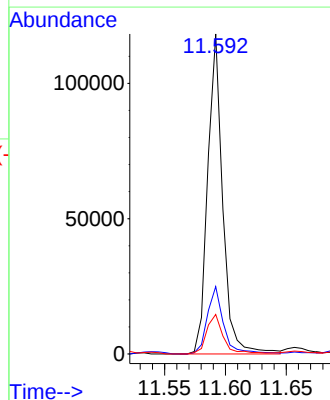
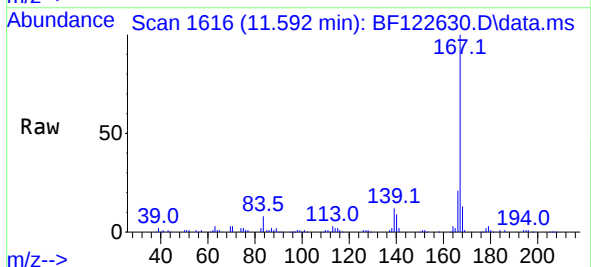
Instrument :
 BNA_F
 ClientSampleId :
 72-11976

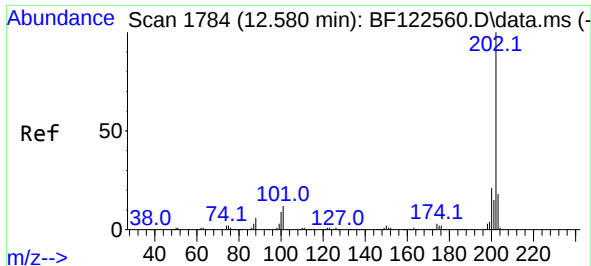
Tgt Ion:178	Resp: 148288
Ion Ratio	Lower Upper
178	100
176	19.1 15.6 23.4
179	15.4 12.8 19.2



#73
 Carbazole
 Concen: 2.61 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF122630.D
 Acq: 10 Dec 2020 1:34

Tgt Ion:167	Resp: 101709
Ion Ratio	Lower Upper
167	100
166	21.0 18.0 27.0
139	12.4 10.9 16.3

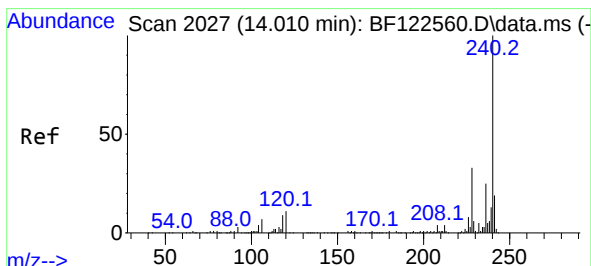
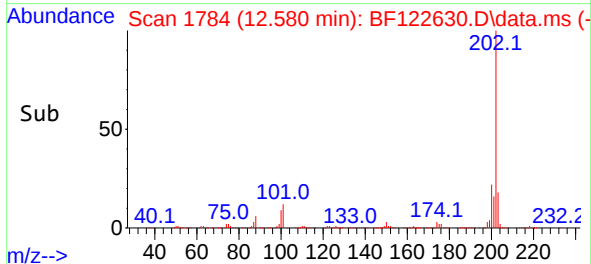
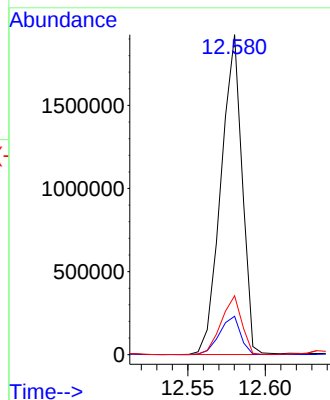
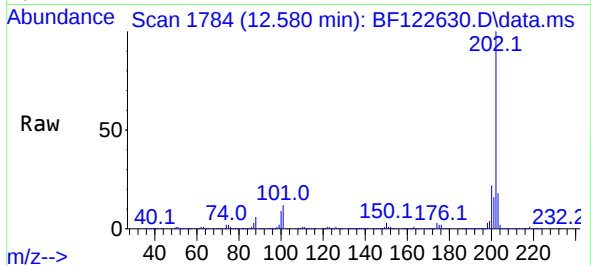




#75
Fluoranthene
Concen: 40.21 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

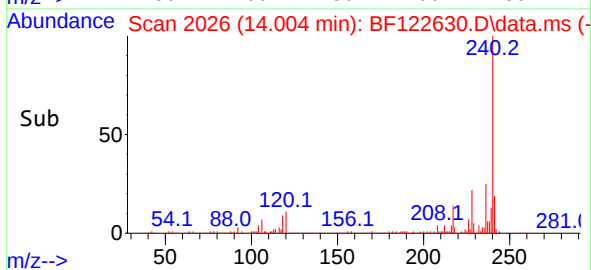
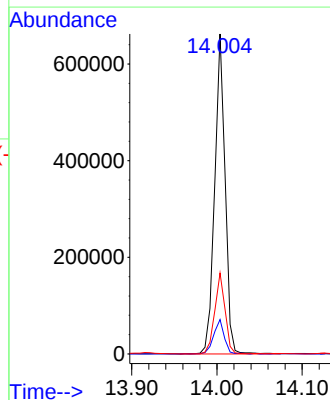
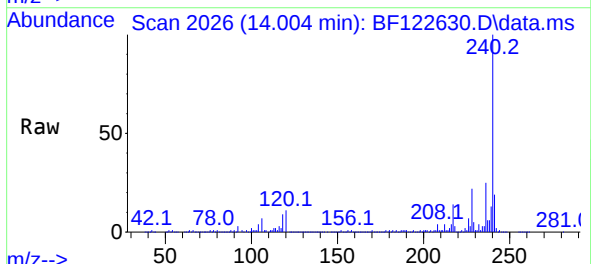
Instrument :
BNA_F
ClientSampleId :
72-11976

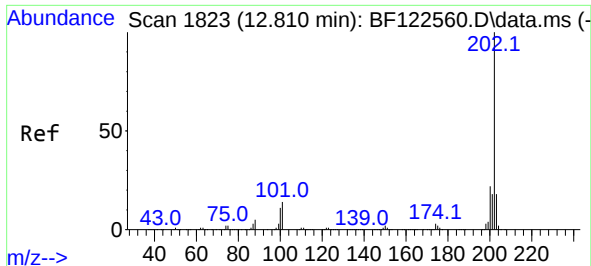
Tgt Ion:202 Resp: 1824774
Ion Ratio Lower Upper
202 100
101 12.0 0.0 32.2
203 18.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:240 Resp: 565147
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 25.3 20.3 30.5

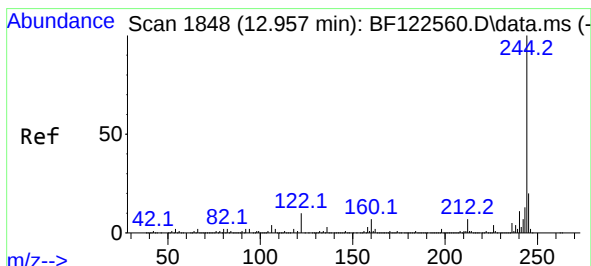
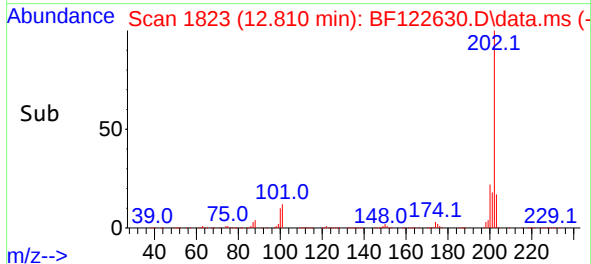
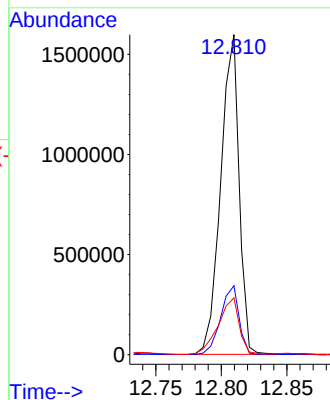
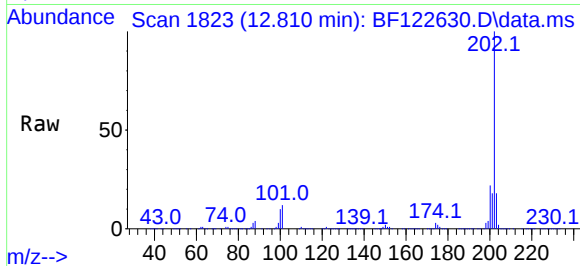




#78
Pyrene
Concen: 35.63 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

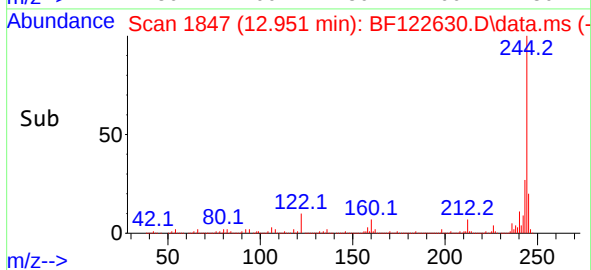
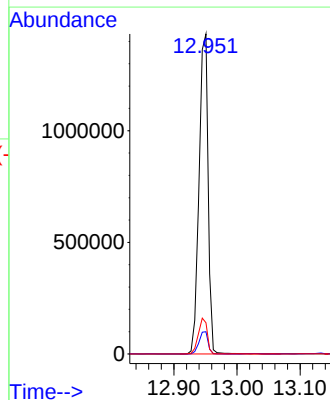
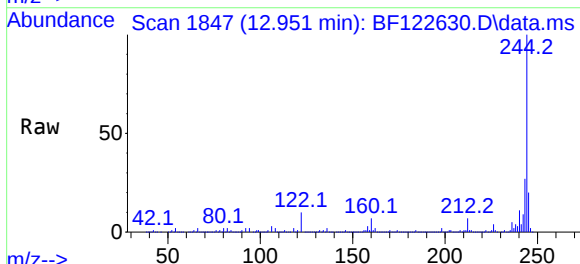
Instrument :
BNA_F
ClientSampleId :
72-11976

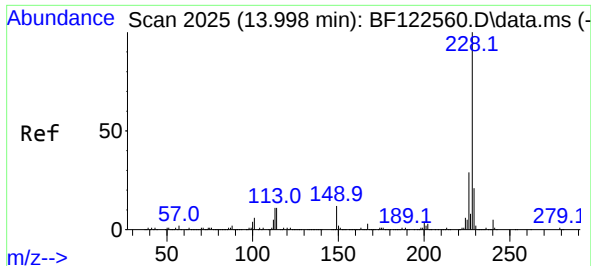
Tgt Ion:202 Resp: 1557006
Ion Ratio Lower Upper
202 100
200 21.6 17.6 26.4
203 17.7 14.6 21.8



#79
Terphenyl-d14
Concen: 44.16 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:244 Resp: 1425613
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 9.7 8.3 12.5

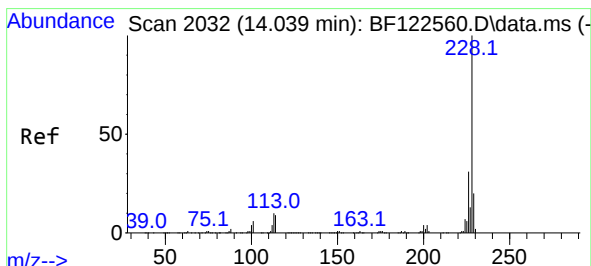
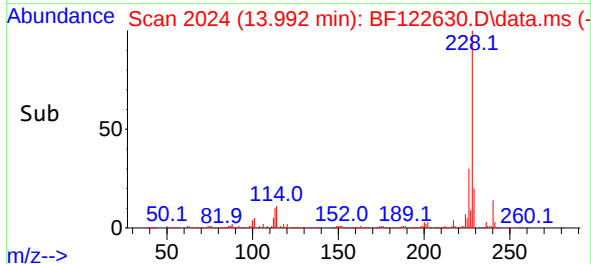
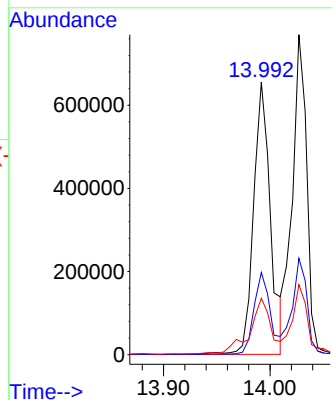
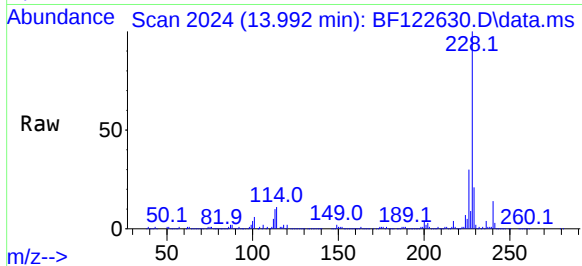




#81
Benzo(a)anthracene
Concen: 19.04 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

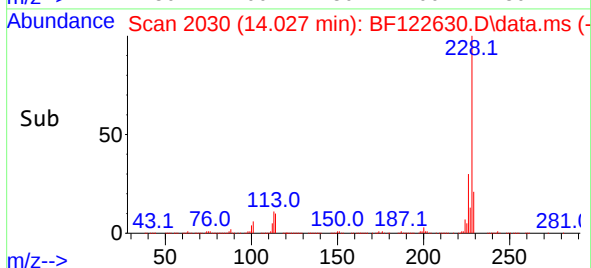
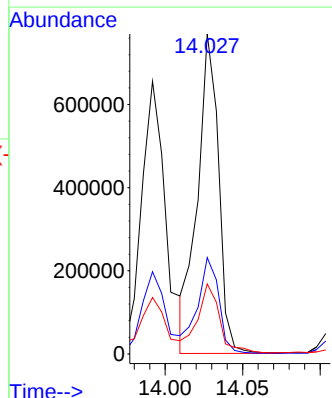
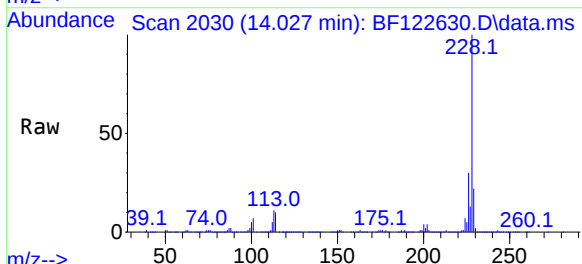
Instrument :
BNA_F
ClientSampleId :
72-11976

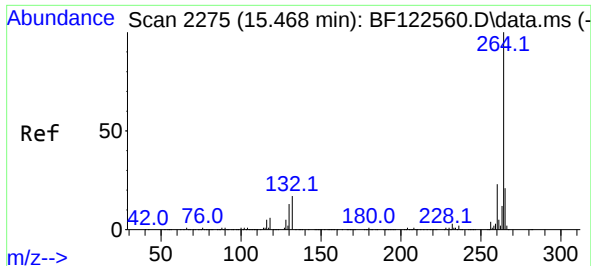
Tgt Ion:228 Resp: 719029
Ion Ratio Lower Upper
228 100
226 30.2 23.0 34.4
229 20.7 16.6 24.8



#83
Chrysene
Concen: 19.36 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:228 Resp: 727698
Ion Ratio Lower Upper
228 100
226 30.1 24.6 36.8
229 21.9 15.8 23.6

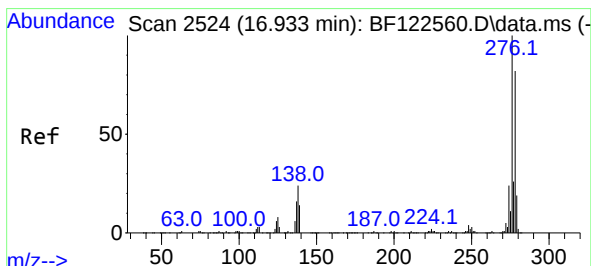
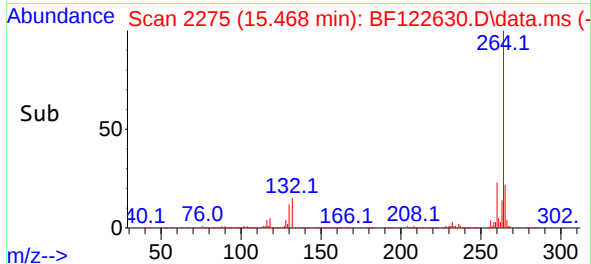
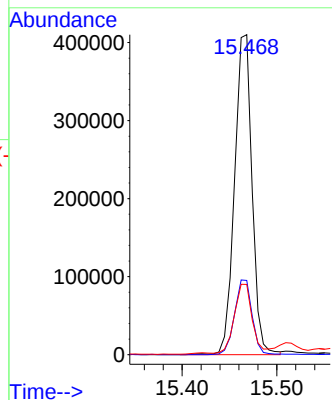
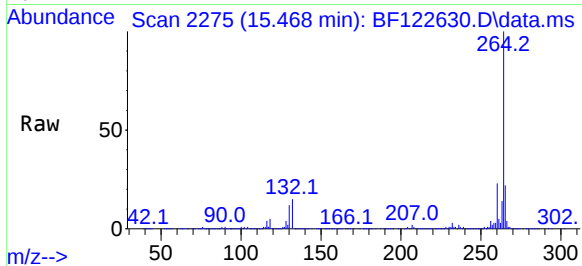




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

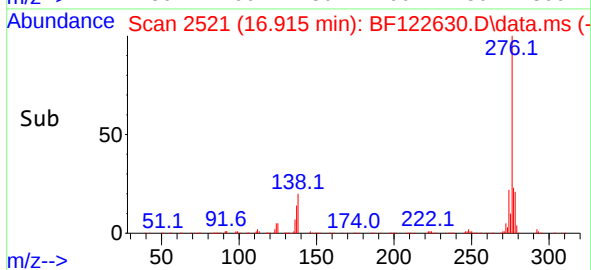
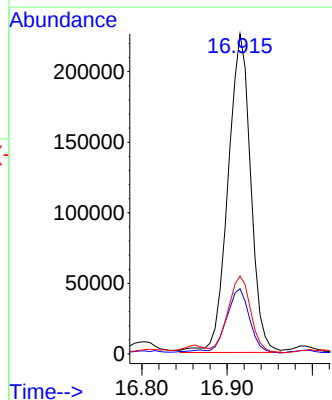
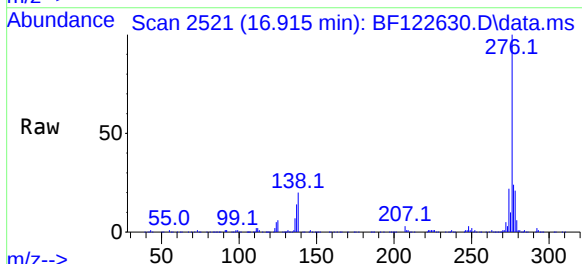
Instrument :
BNA_F
ClientSampleId :
72-11976

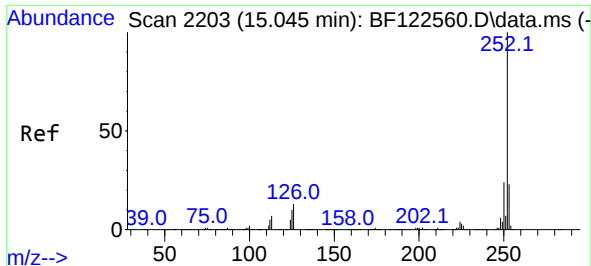
Tgt Ion:264 Resp: 525634
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 21.9 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 12.11 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.018 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:276 Resp: 417828
Ion Ratio Lower Upper
276 100
138 21.2 18.7 28.1
277 23.9 20.2 30.4

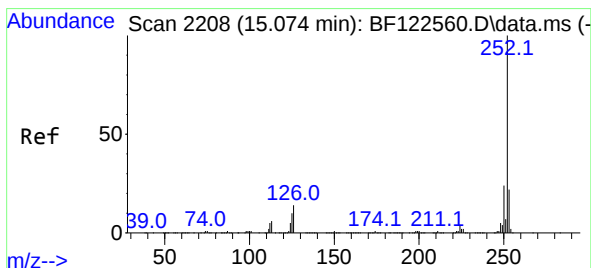
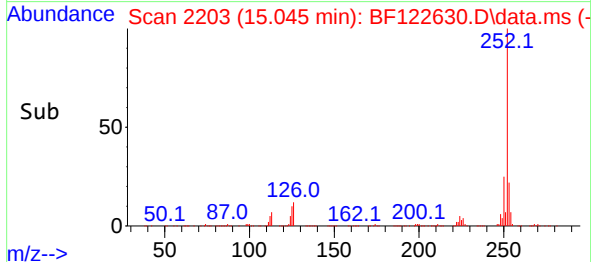
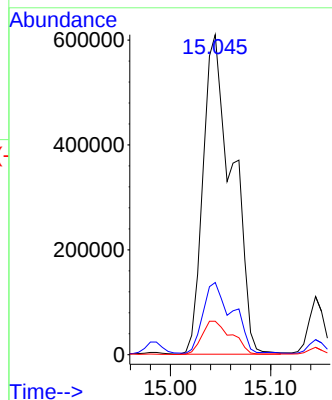
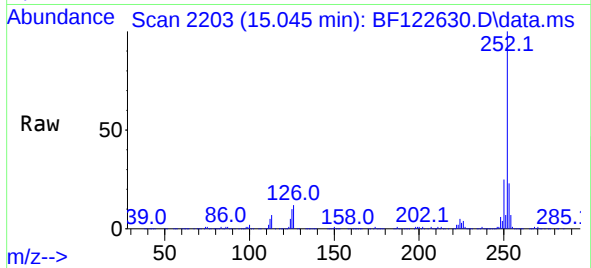




#88
Benzo(b)fluoranthene
Concen: 33.67 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

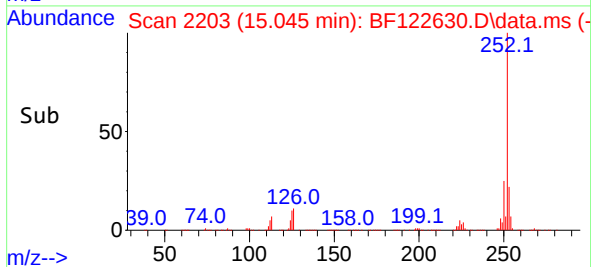
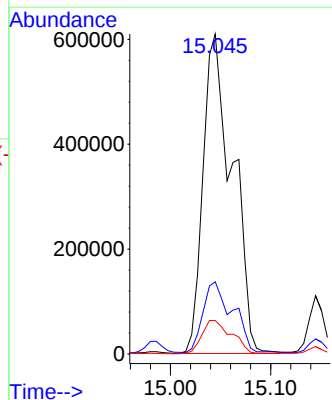
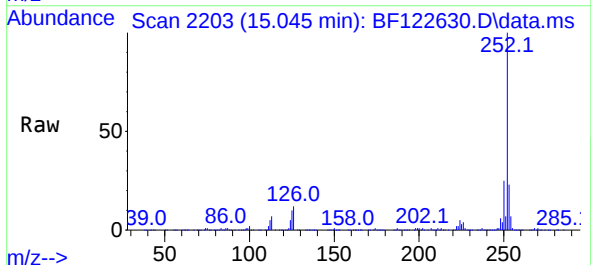
Instrument :
BNA_F
ClientSampleId :
72-11976

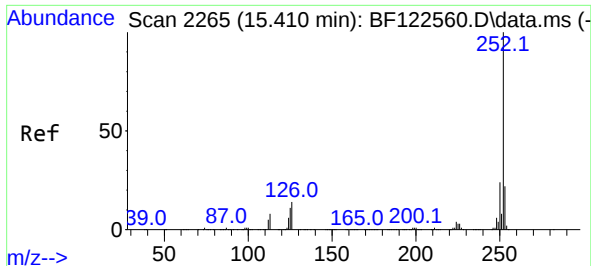
Tgt Ion:252 Resp: 1241753
Ion Ratio Lower Upper
252 100
253 22.6 18.3 27.5
125 10.5 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 36.83 ng
RT: 15.045 min Scan# 2203
Delta R.T. -0.030 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:252 Resp: 1241753
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.5 8.4 12.6

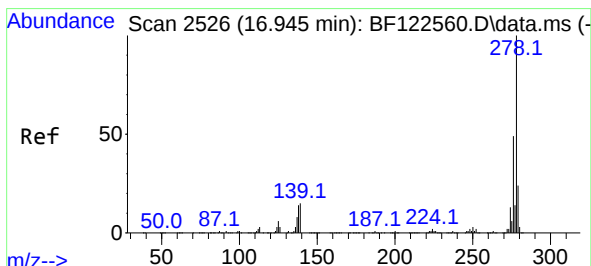
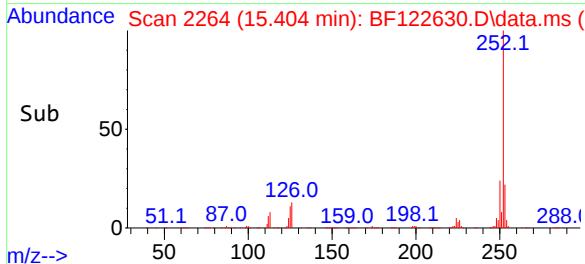
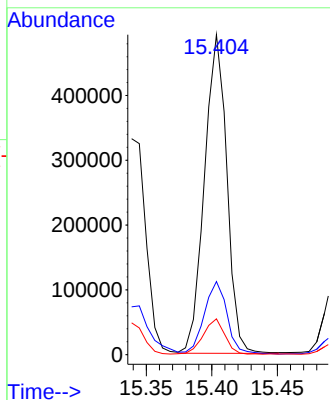
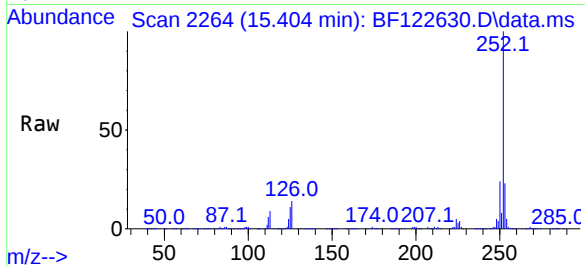




#90
Benzo(a)pyrene
Concen: 18.15 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

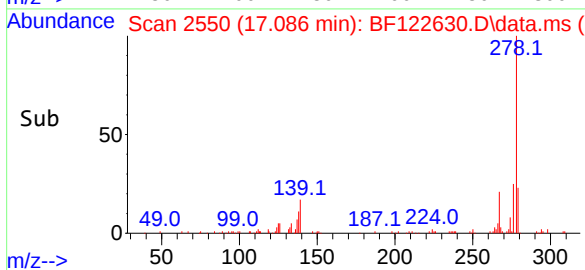
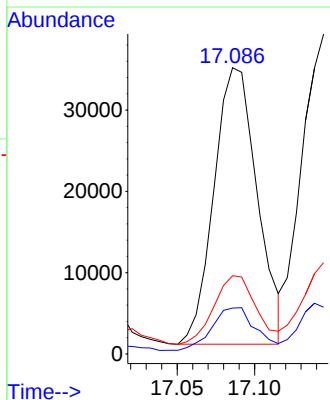
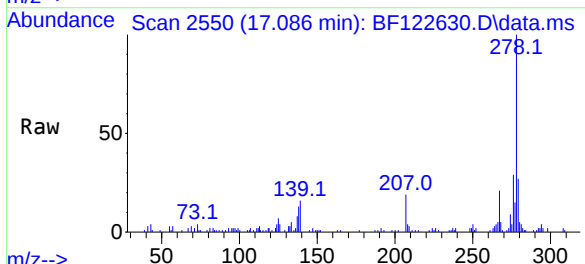
Instrument :
BNA_F
ClientSampleId :
72-11976

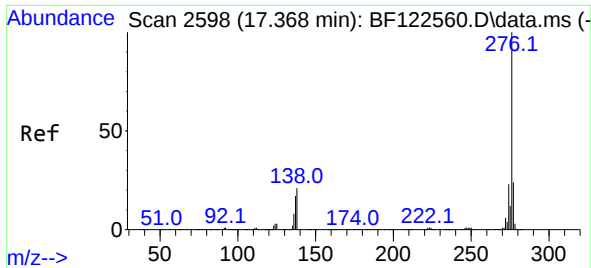
Tgt Ion:252 Resp: 585515
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.2 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 2.34 ng
RT: 17.086 min Scan# 2550
Delta R.T. 0.141 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Tgt Ion:278 Resp: 66211
Ion Ratio Lower Upper
278 100
139 16.1 12.0 18.0
279 27.3 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 13.52 ng
RT: 17.356 min Scan# 2596
Delta R.T. -0.012 min
Lab File: BF122630.D
Acq: 10 Dec 2020 1:34

Instrument :
BNA_F
ClientSampleId :
72-11976

Tgt Ion:276 Resp: 369554
Ion Ratio Lower Upper
276 100
277 23.8 19.3 28.9
138 19.6 16.6 24.8

