

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121620\
 Data File : BF122752.D
 Acq On : 16 Dec 2020 16:14
 Operator : JU/CG
 Sample : L5088-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR1-A-D-COMP

Quant Time: Dec 17 01:12:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

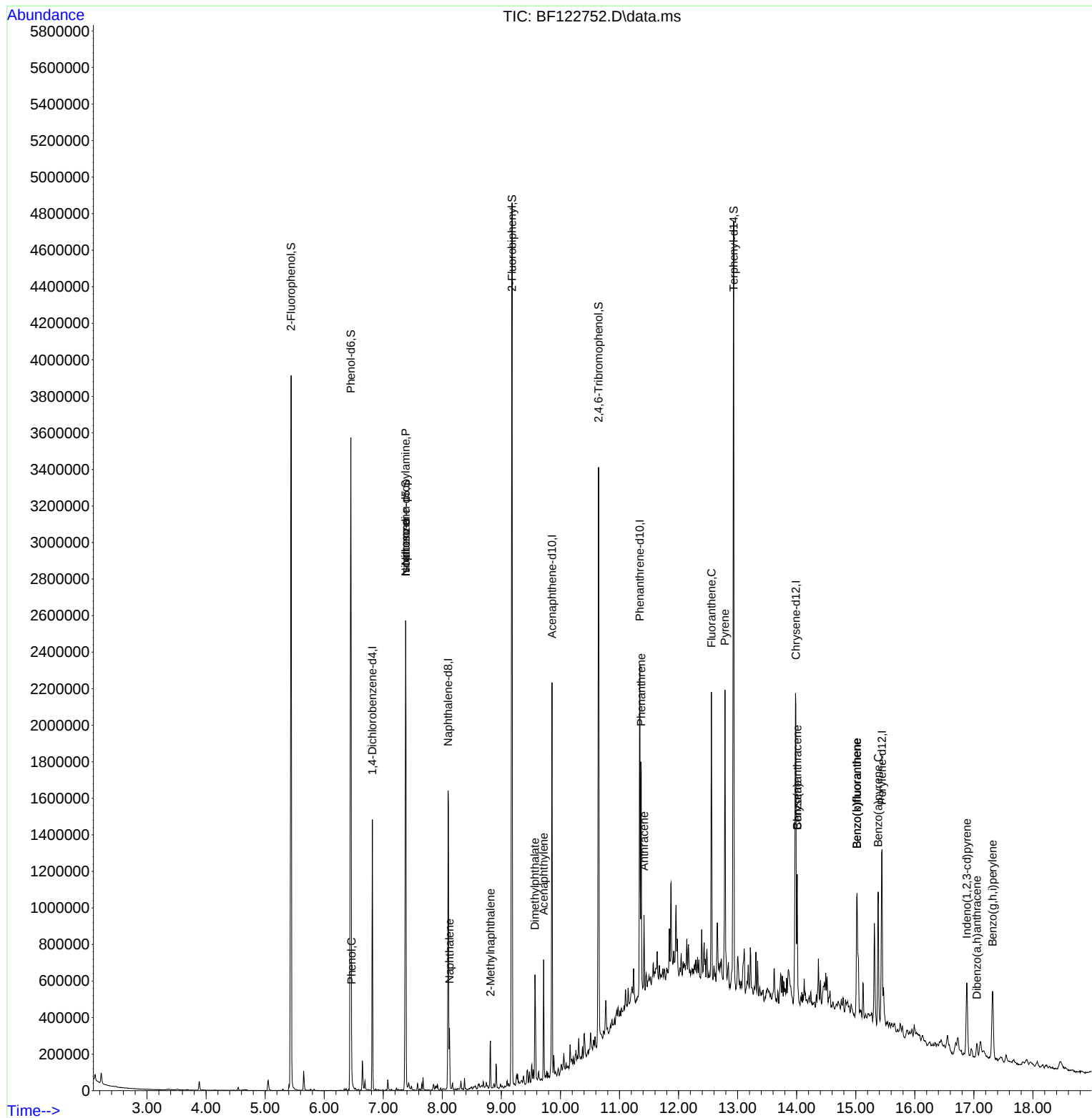
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	203239	20.00	ng	0.00
21) Naphthalene-d8	8.098	136	789117	20.00	ng	-0.01
39) Acenaphthene-d10	9.857	164	413098	20.00	ng	0.00
64) Phenanthrene-d10	11.345	188	695495	20.00	ng	0.00
76) Chrysene-d12	13.986	240	503705	20.00	ng	0.00
86) Perylene-d12	15.445	264	492961	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1186612	92.43	ng	0.00
7) Phenol-d6	6.451	99	1530819	89.91	ng	0.00
23) Nitrobenzene-d5	7.381	82	970565	61.62	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	456842	84.49	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1601476	52.44	ng	0.00
79) Terphenyl-d14	12.933	244	1477221	51.34	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.463	94	45198	2.56	ng	89
19) n-Nitroso-di-n-propyla...	7.381	70	129574	13.29	ng	# 77
25) Isophorone	7.381	82	970549	35.78	ng	# 65
31) Naphthalene	8.122	128	127996	2.94	ng	99
37) 2-Methylnaphthalene	8.816	142	68877	2.39	ng	98
49) Acenaphthylene	9.716	152	238137	5.68	ng	98
50) Dimethylphthalate	9.569	163	184253	5.58	ng	99
71) Phenanthrene	11.369	178	508253	12.30	ng	98
72) Anthracene	11.416	178	155680	3.80	ng	99
75) Fluoranthene	12.557	202	580479	13.39	ng	98
78) Pyrene	12.786	202	630976	16.20	ng	99
81) Benzo(a)anthracene	14.010	228	295110	8.77	ng	97
83) Chrysene	14.010	228	295110	8.81	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	255858	7.91	ng	96
88) Benzo(b)fluoranthene	15.021	252	511593	14.79	ng	99
89) Benzo(k)fluoranthene	15.021	252	511593	16.18	ng	99
90) Benzo(a)pyrene	15.380	252	314742	10.40	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	56021	2.12	ng	97
92) Benzo(g,h,i)perylene	17.315	276	307208	11.99	ng	98

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

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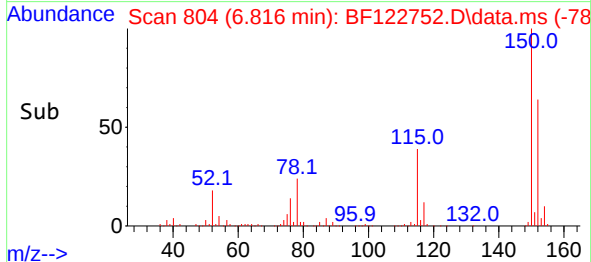
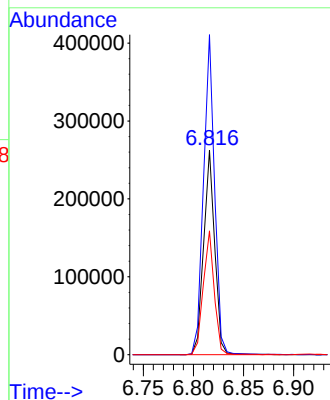
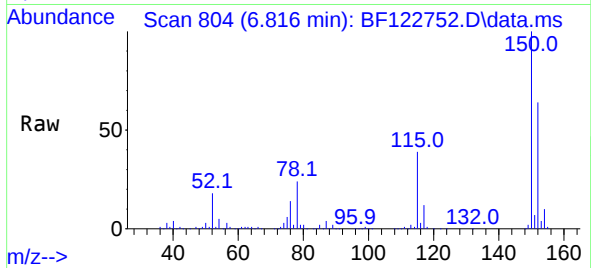




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

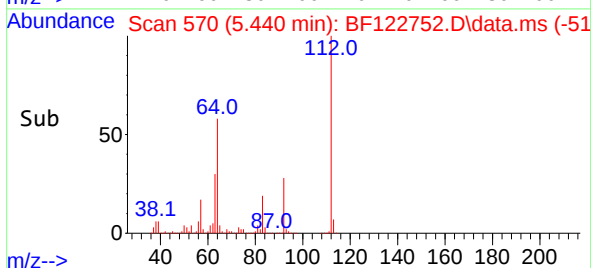
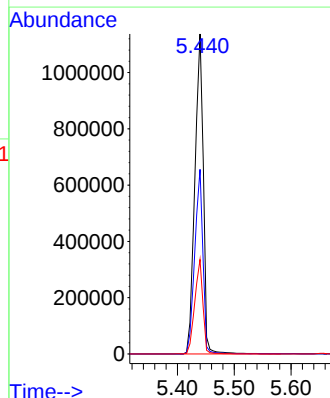
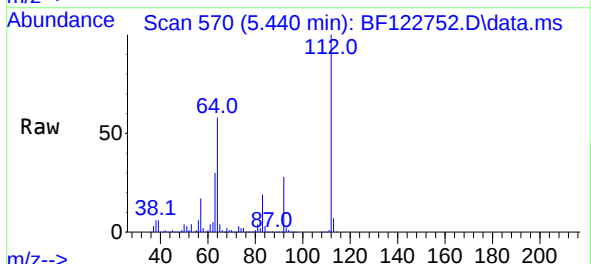
Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

Tgt Ion:152 Resp: 203239
Ion Ratio Lower Upper
152 100
150 156.4 125.8 188.6
115 60.5 49.3 73.9



#5
2-Fluorophenol
Concen: 92.43 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:112 Resp: 1186612
Ion Ratio Lower Upper
112 100
64 57.7 46.9 70.3
63 29.5 24.5 36.7



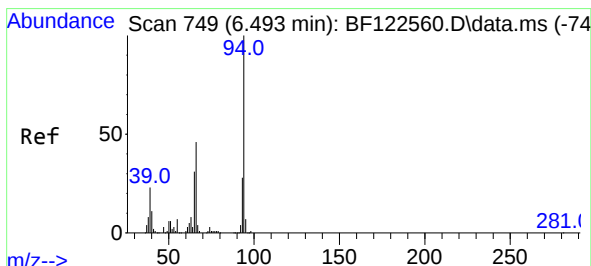
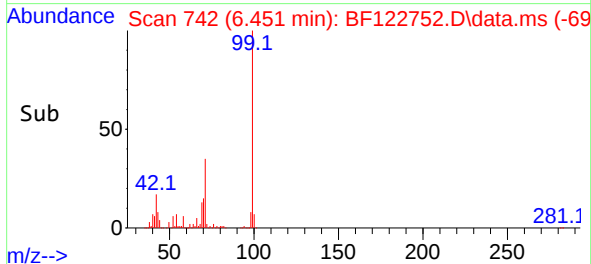
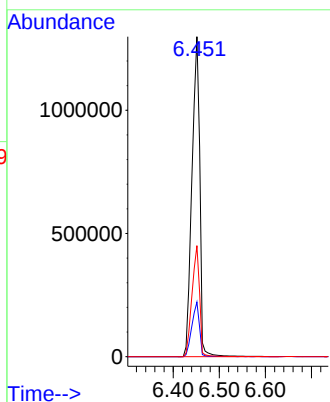
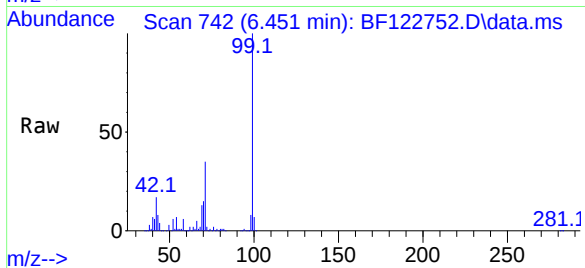


#7
Phenol-d6
Concen: 89.91 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

Tgt Ion: 99 Resp: 1530819

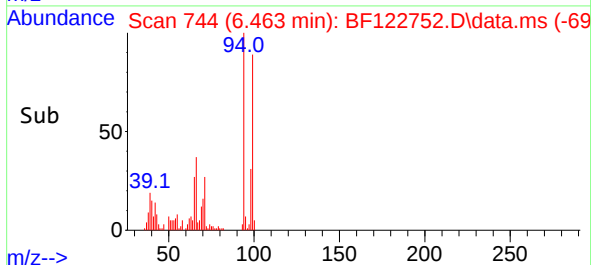
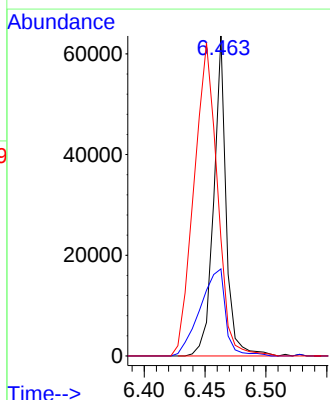
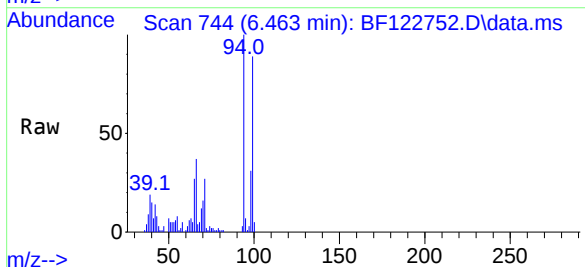
Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.8	20.6
71	34.7	26.9	40.3

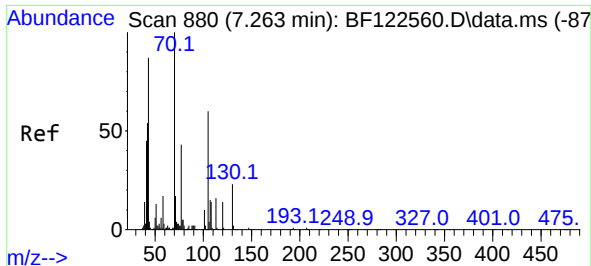


#10
Phenol
Concen: 2.56 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion: 94 Resp: 45198

Ion	Ratio	Lower	Upper
94	100		
65	27.2	11.2	51.2
66	36.8	25.8	65.8



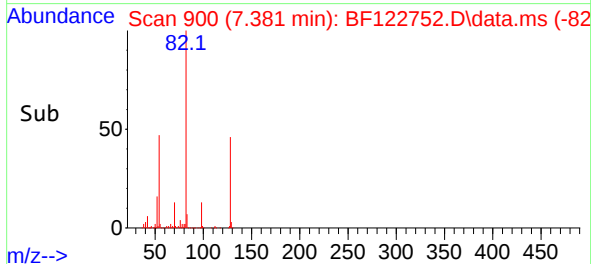
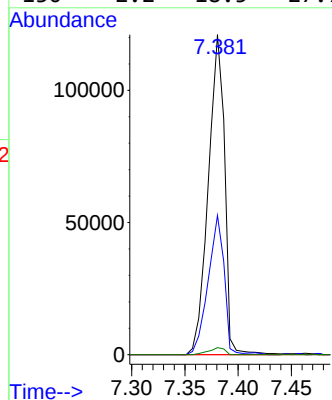
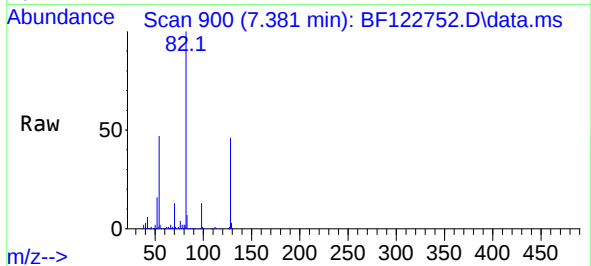


#19
n-Nitroso-di-n-propylamine
Concen: 13.29 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

Tgt Ion: 70 Resp: 129574

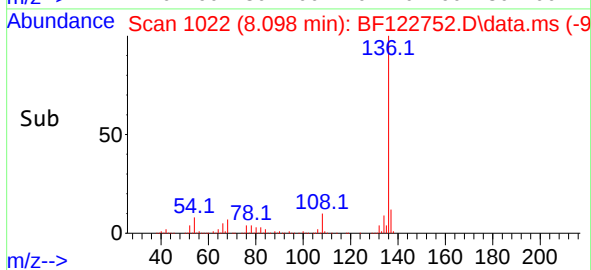
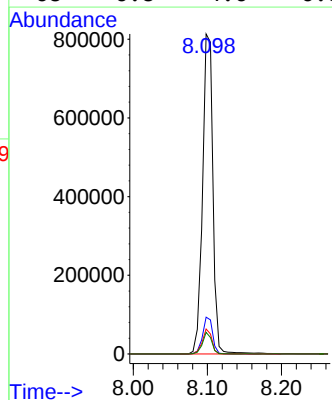
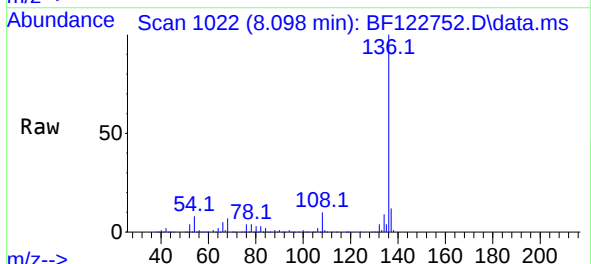
Ion	Ratio	Lower	Upper
70	100		
42	43.5	43.0	64.4
101	0.0	7.9	11.9#
130	2.2	18.5	27.7#

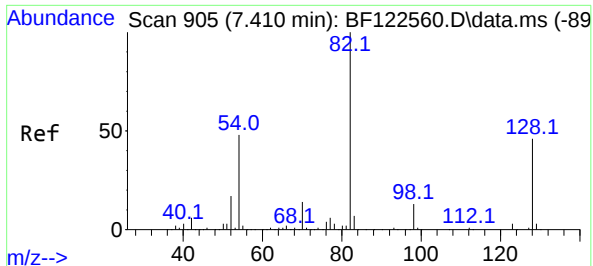


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion: 136 Resp: 789117

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	7.8	5.5	8.3
68	6.8	4.6	6.8

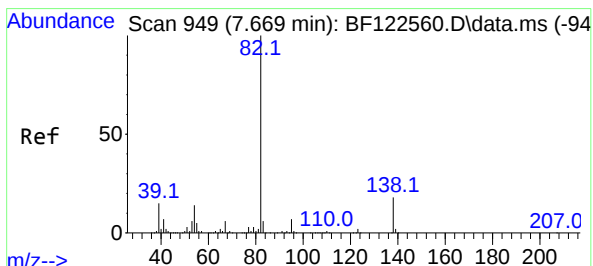
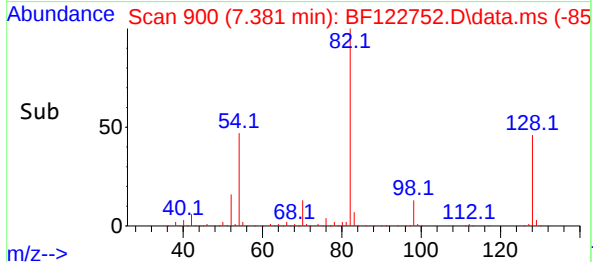
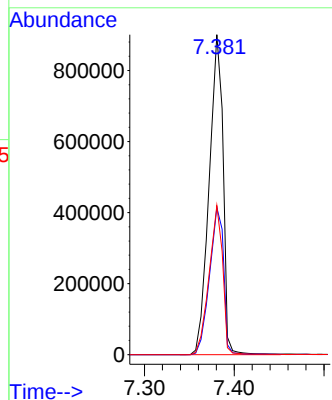
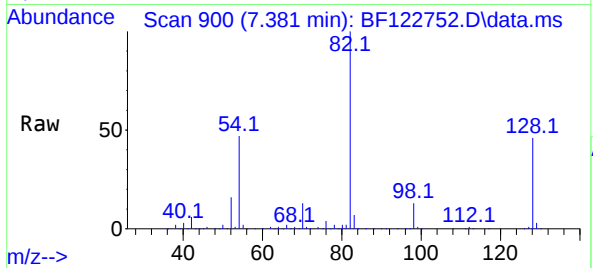




#23
Nitrobenzene-d5
Concen: 61.62 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

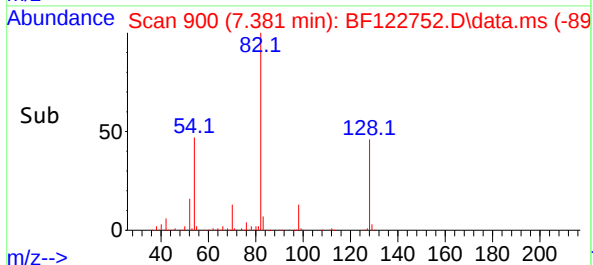
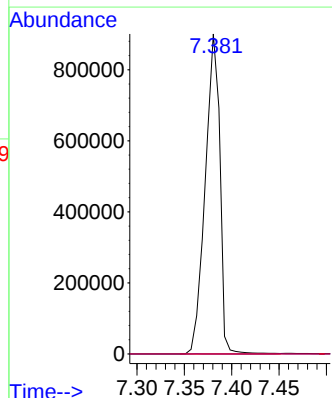
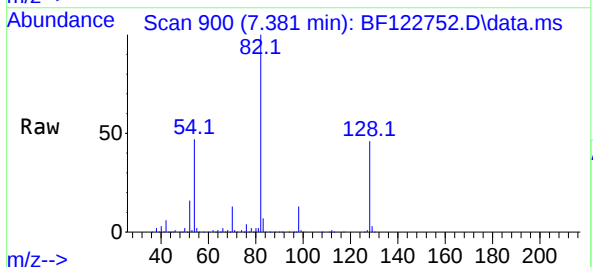
Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

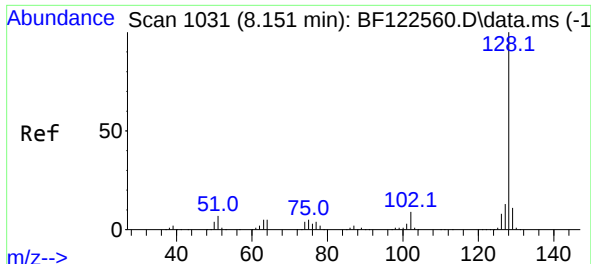
Tgt Ion: 82 Resp: 970565
Ion Ratio Lower Upper
82 100
128 46.0 37.0 55.4
54 46.6 38.4 57.6



#25
Isophorone
Concen: 35.78 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion: 82 Resp: 970549
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

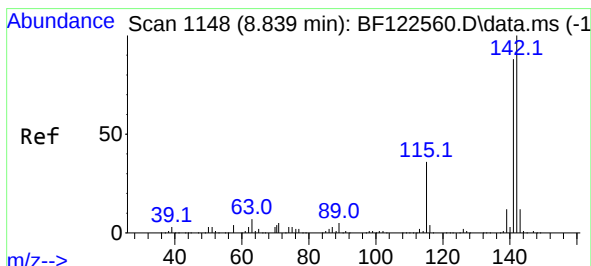
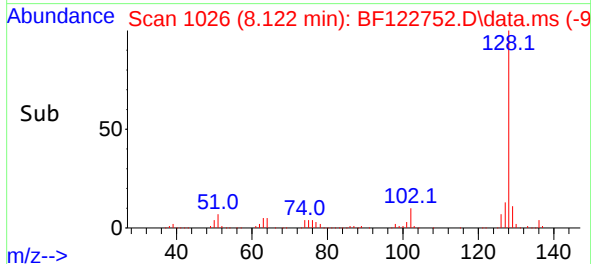
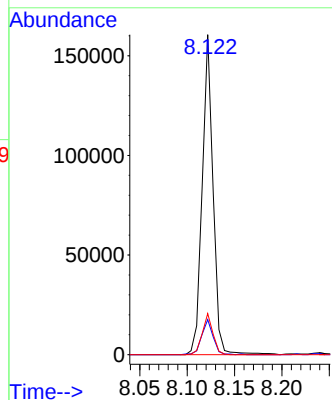
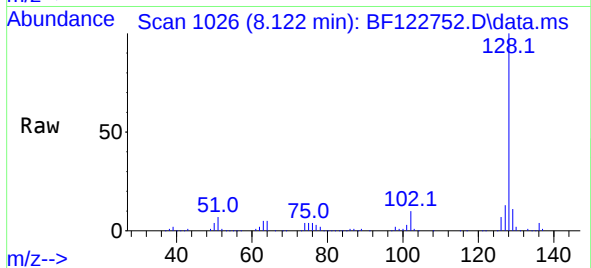




#31
Naphthalene
Concen: 2.94 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

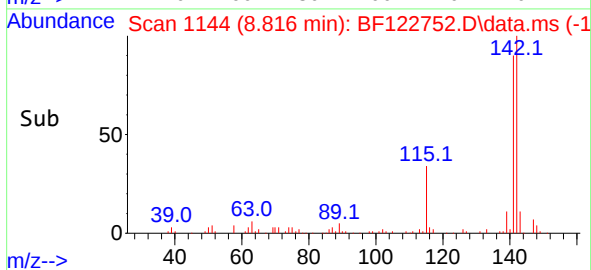
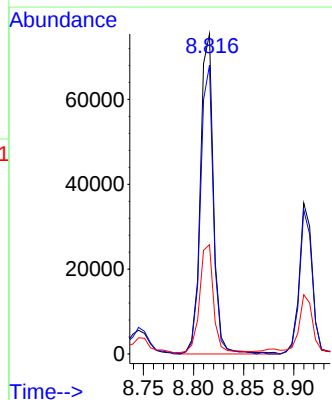
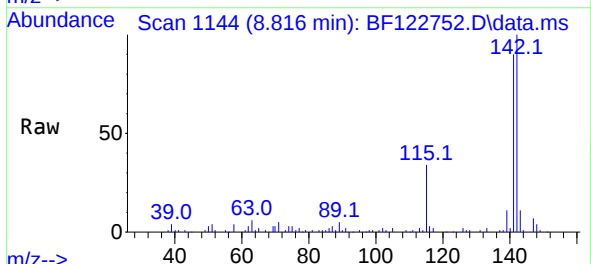
Instrument :
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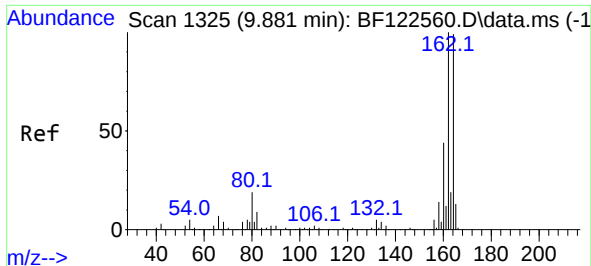
Tgt Ion:128 Resp: 127996
Ion Ratio Lower Upper
128 100
129 10.9 9.0 13.6
127 12.8 10.7 16.1



#37
2-Methylnaphthalene
Concen: 2.39 ng
RT: 8.816 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:142 Resp: 68877
Ion Ratio Lower Upper
142 100
141 90.2 70.6 106.0
115 34.1 28.7 43.1

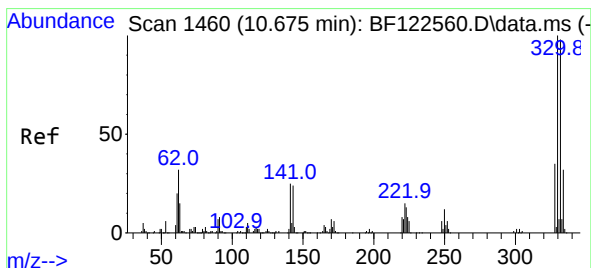
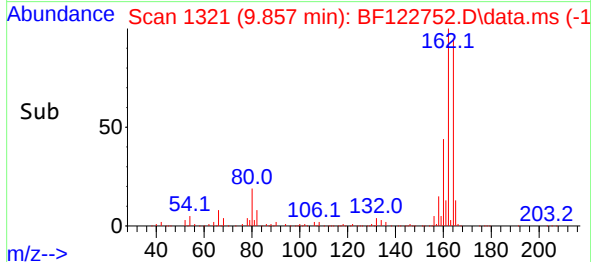
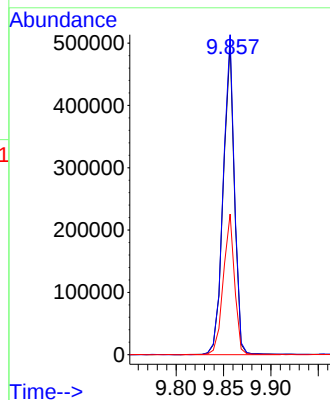
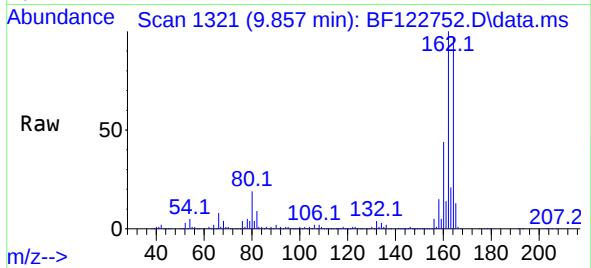




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

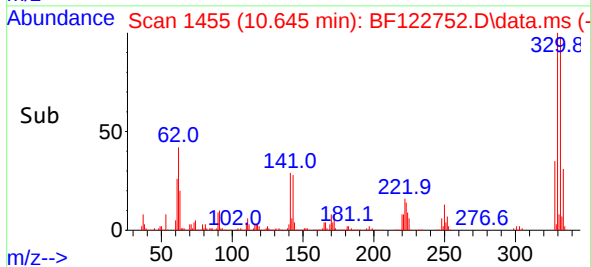
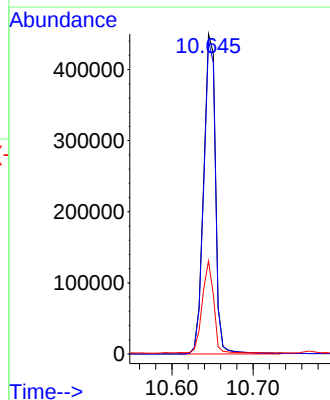
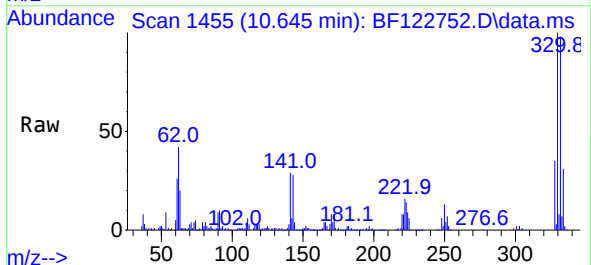
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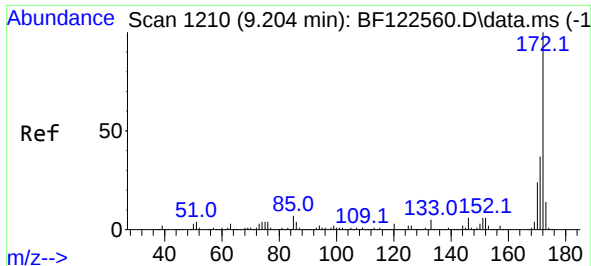
Tgt Ion:164 Resp: 413098
Ion Ratio Lower Upper
164 100
162 103.0 80.8 121.2
160 45.3 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 84.49 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:330 Resp: 456842
Ion Ratio Lower Upper
330 100
332 97.6 77.5 116.3
141 27.3 23.8 35.8

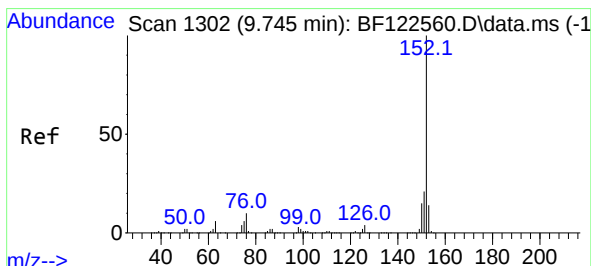
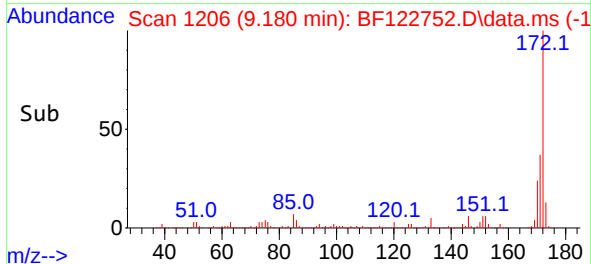
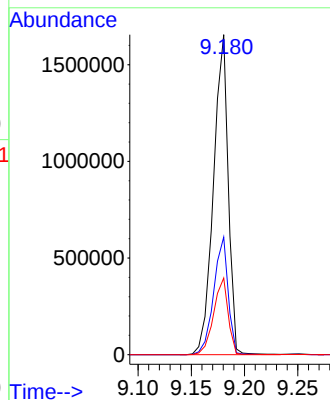
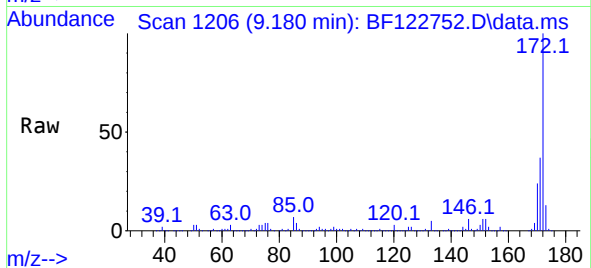




#45
2-Fluorobiphenyl
Concen: 52.44 ng
RT: 9.180 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

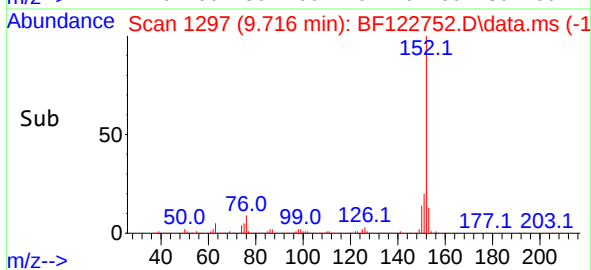
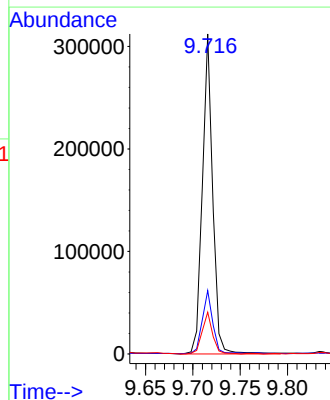
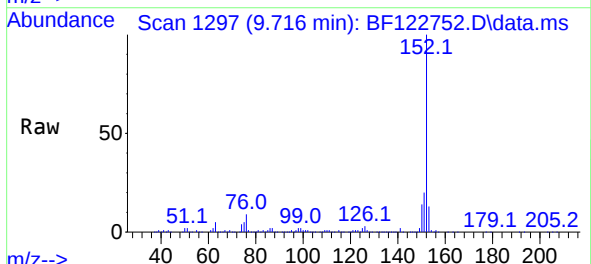
Instrument :
BNA_F
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TR1-A-D-COMP

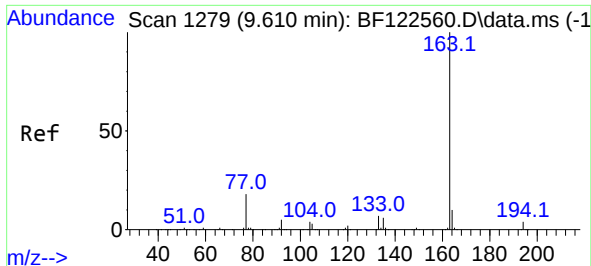
Tgt Ion:172 Resp: 1601476
Ion Ratio Lower Upper
172 100
171 36.8 29.6 44.4
170 24.0 19.5 29.3



#49
Acenaphthylene
Concen: 5.68 ng
RT: 9.716 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:152 Resp: 238137
Ion Ratio Lower Upper
152 100
151 19.8 16.6 25.0
153 13.1 10.9 16.3

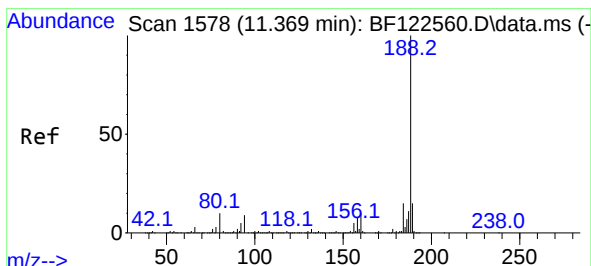
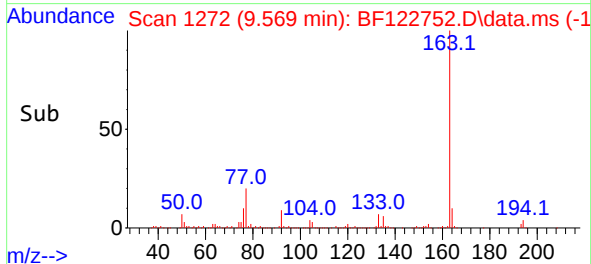
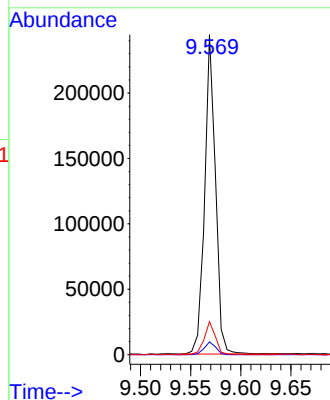
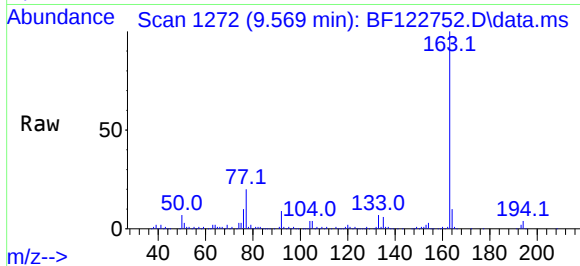




#50
Dimethylphthalate
Concen: 5.58 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.018 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

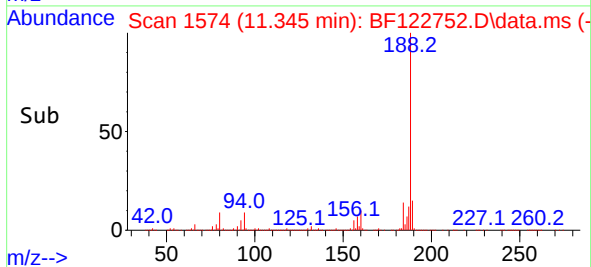
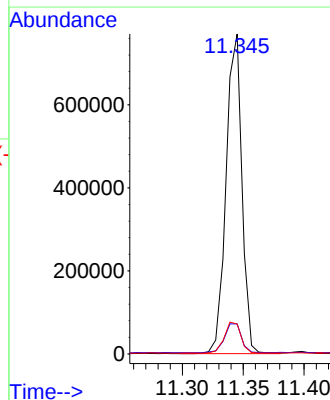
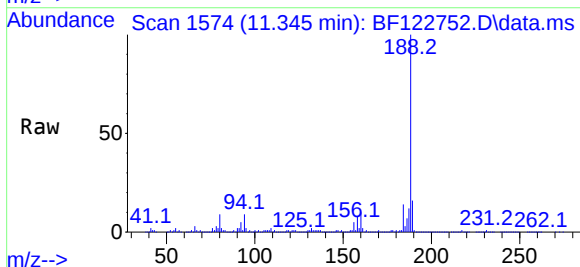
Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

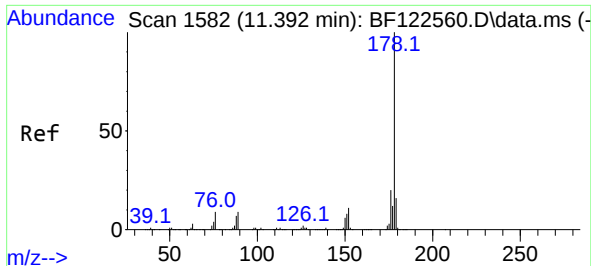
Tgt Ion:163 Resp: 184253
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.4 8.1 12.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:188 Resp: 695495
Ion Ratio Lower Upper
188 100
94 9.4 7.4 11.2
80 9.3 8.2 12.4

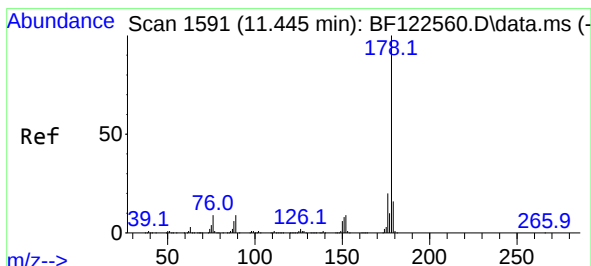
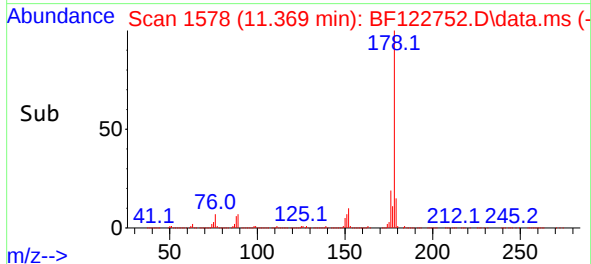
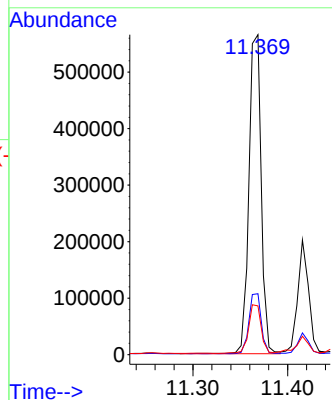
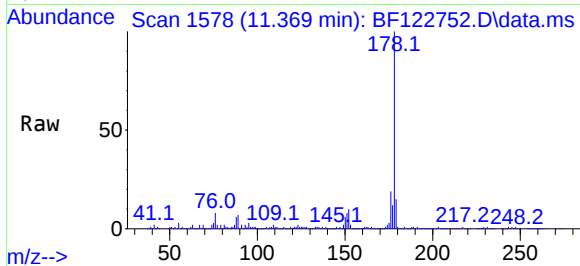




#71
Phenanthrene
Concen: 12.30 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

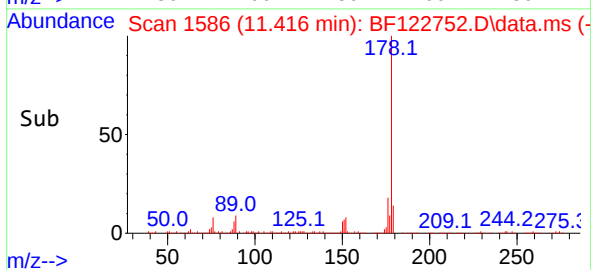
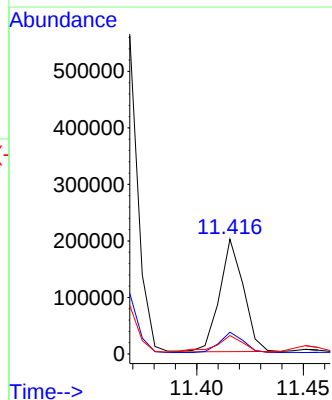
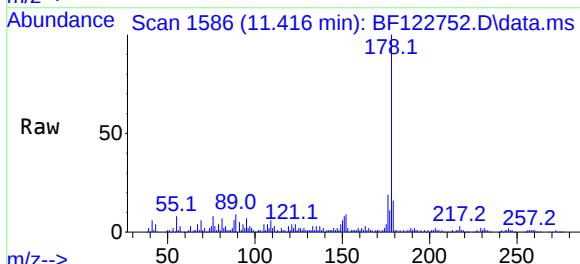
Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

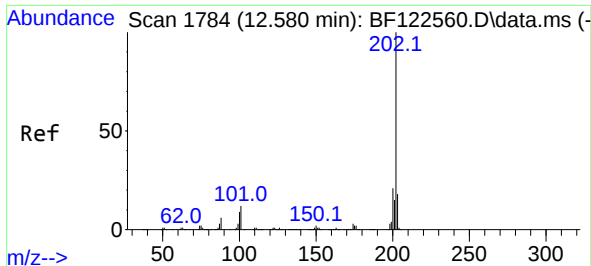
Tgt Ion:178 Resp: 508253
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.2
179 15.3 12.7 19.1



#72
Anthracene
Concen: 3.80 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:178 Resp: 155680
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 16.0 12.8 19.2

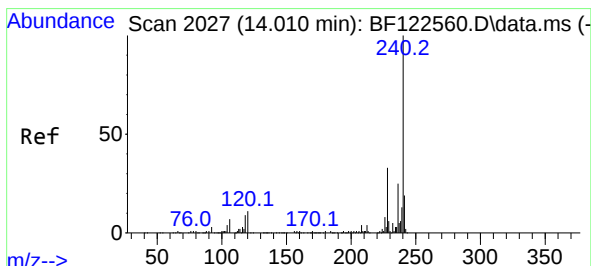
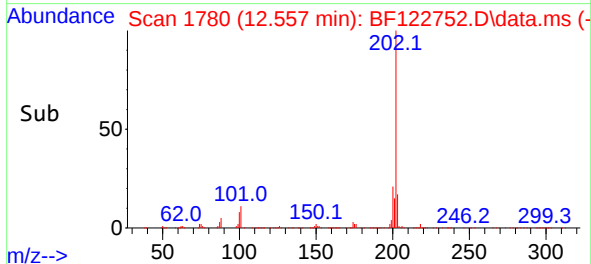
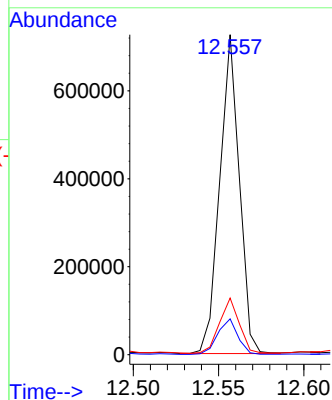
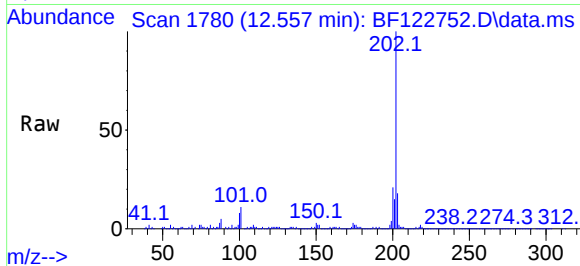




#75
Fluoranthene
Concen: 13.39 ng
RT: 12.557 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

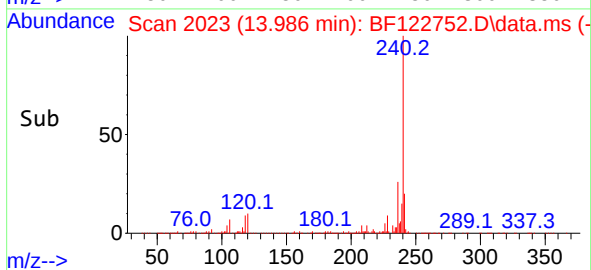
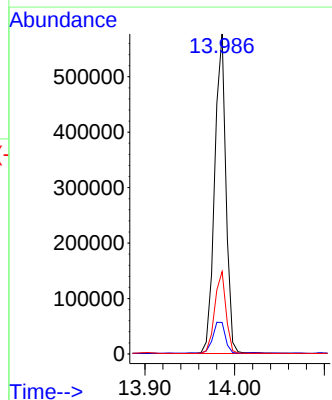
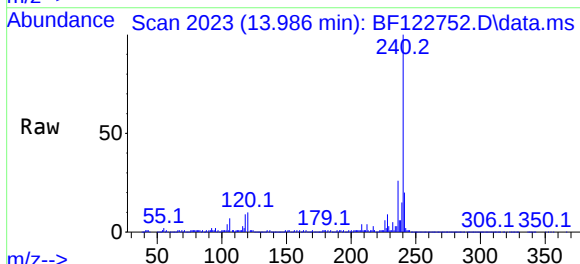
Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

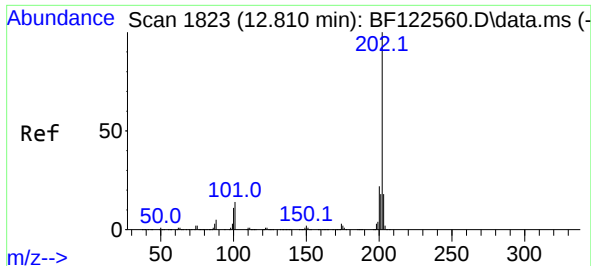
Tgt Ion:202 Resp: 580479
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.2
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:240 Resp: 503705
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 25.7 20.3 30.5



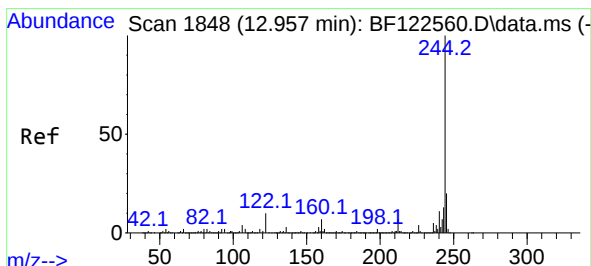
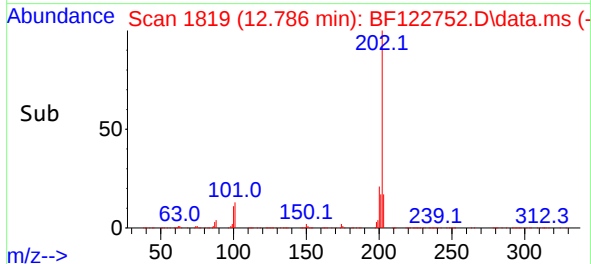
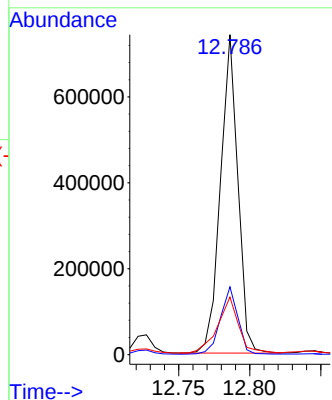
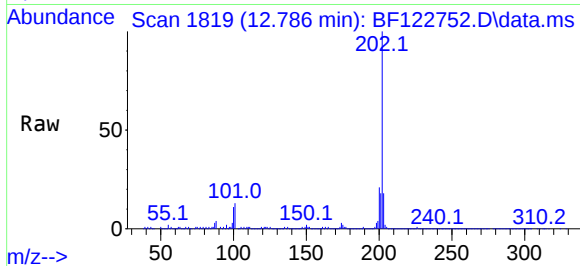


#78
Pyrene
Concen: 16.20 ng
RT: 12.786 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

Tgt Ion:202 Resp: 630976

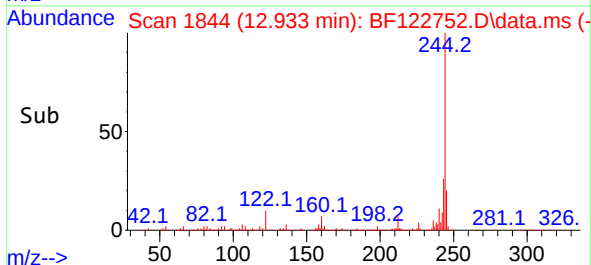
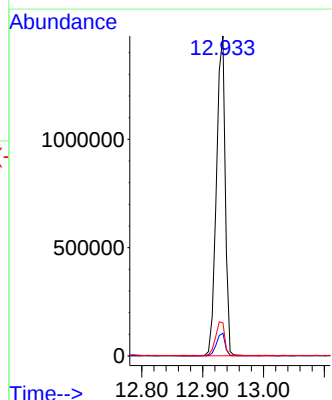
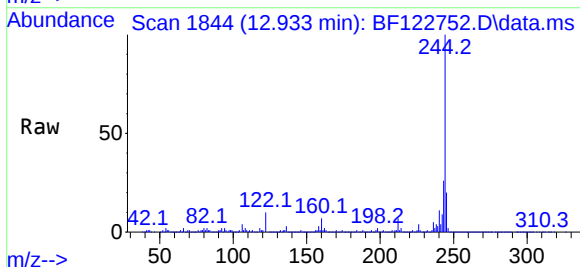
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.0	14.6	21.8

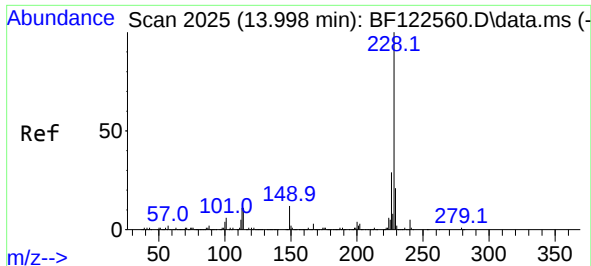


#79
Terphenyl-d14
Concen: 51.34 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:244 Resp: 1477221

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	10.3	8.3	12.5

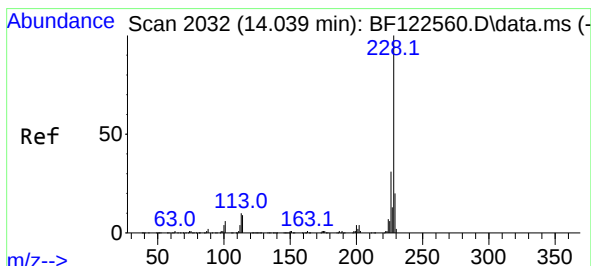
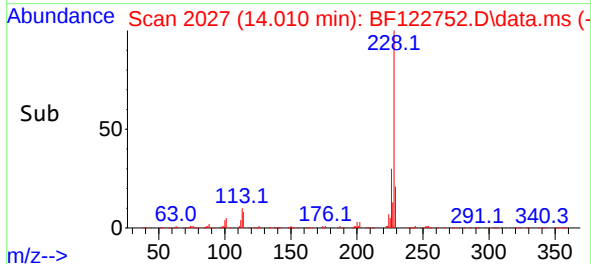
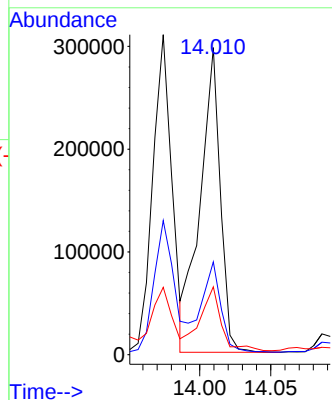
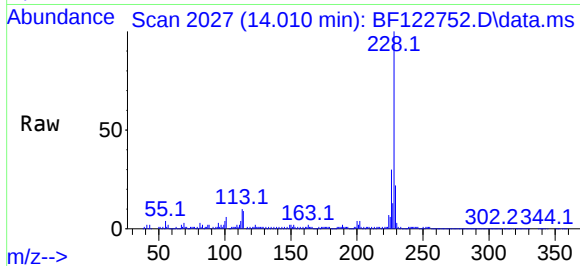




#81
Benzo(a)anthracene
Concen: 8.77 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.035 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

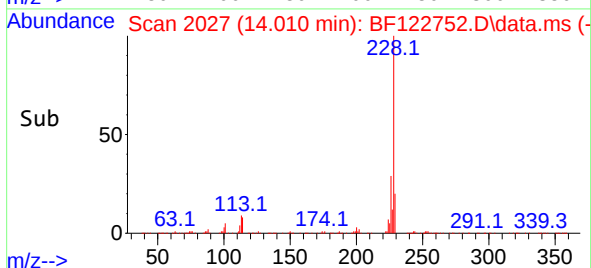
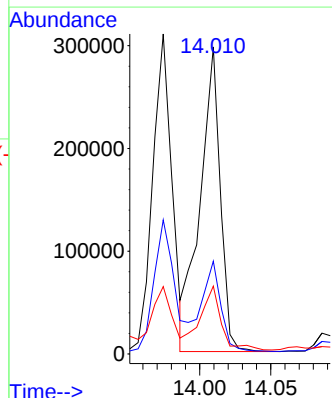
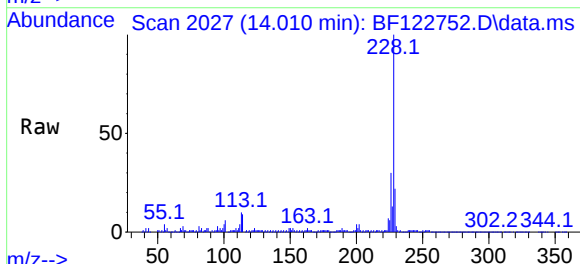
Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

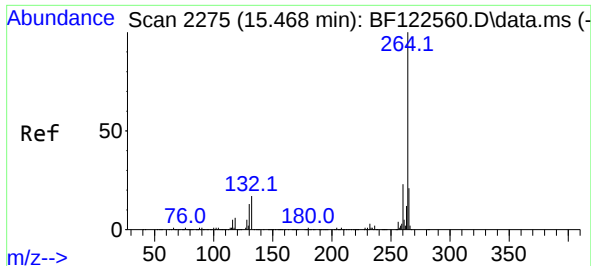
Tgt Ion:228 Resp: 295110
Ion Ratio Lower Upper
228 100
226 30.2 23.0 34.4
229 22.1 16.6 24.8



#83
Chrysene
Concen: 8.81 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:228 Resp: 295110
Ion Ratio Lower Upper
228 100
226 30.2 24.6 36.8
229 22.1 15.8 23.6

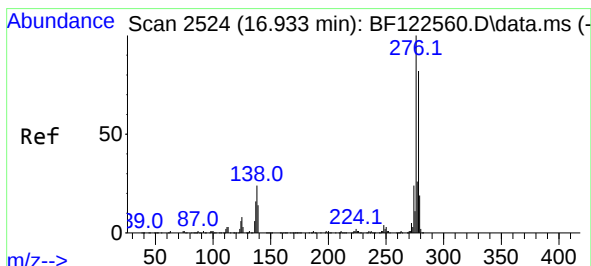
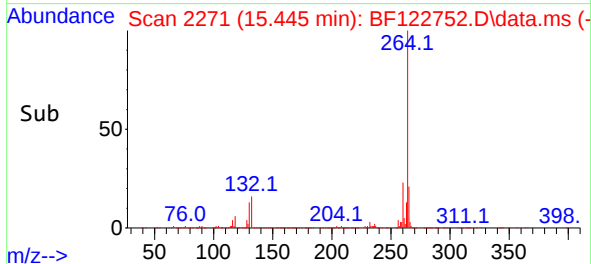
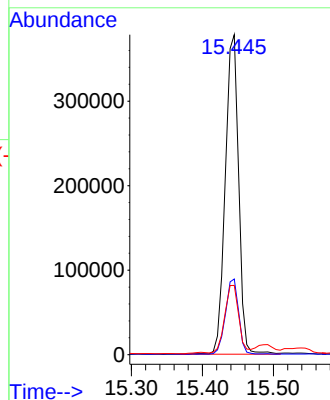
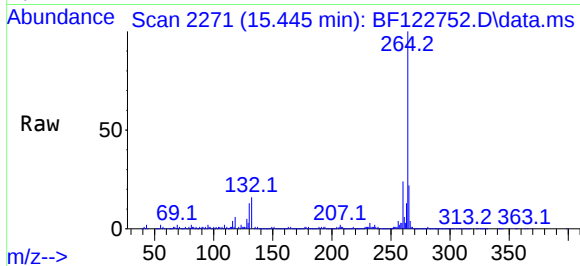




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

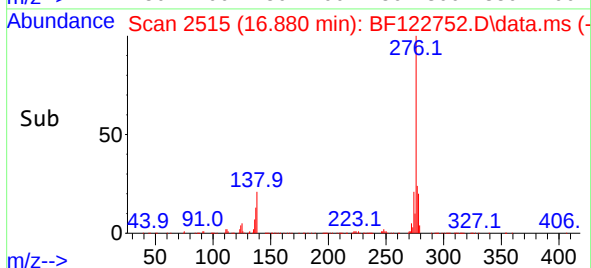
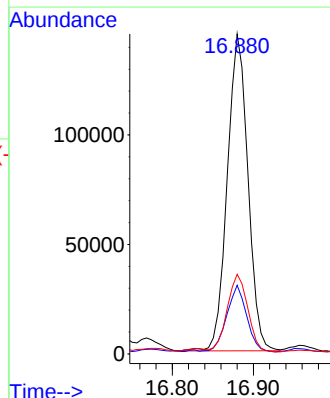
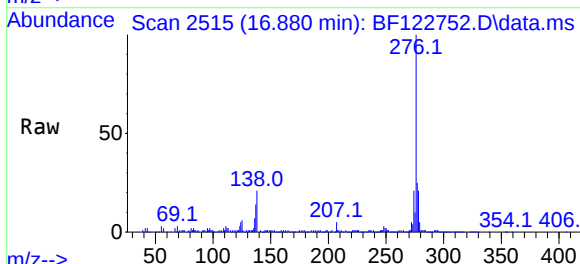
Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

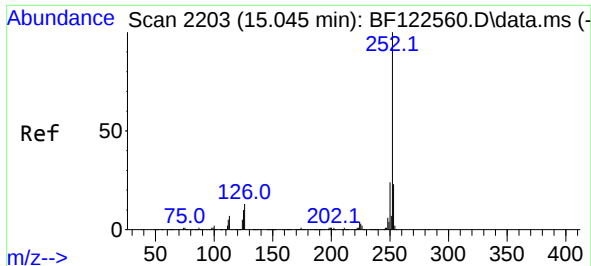
Tgt Ion:264 Resp: 492961
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 21.6 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.91 ng
RT: 16.880 min Scan# 2515
Delta R.T. -0.012 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:276 Resp: 255858
Ion Ratio Lower Upper
276 100
138 20.7 18.7 28.1
277 24.3 20.2 30.4

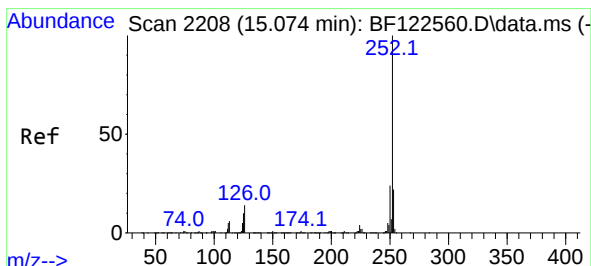
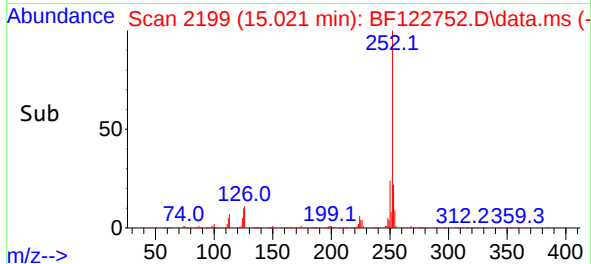
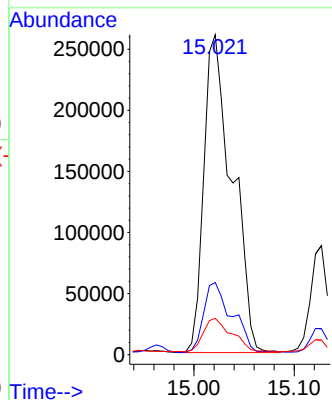
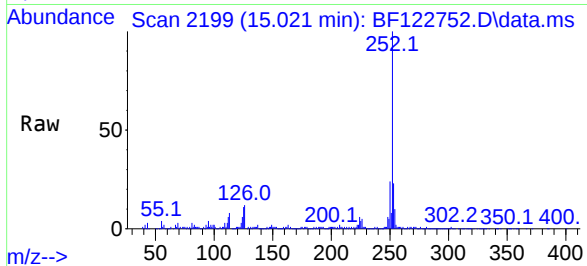




#88
Benzo(b)fluoranthene
Concen: 14.79 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

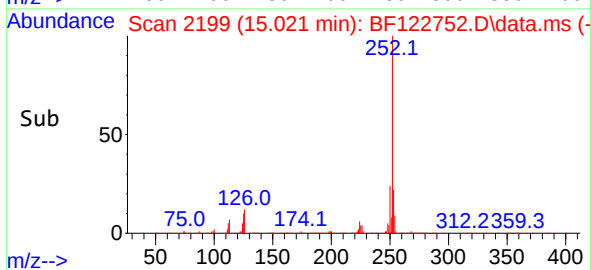
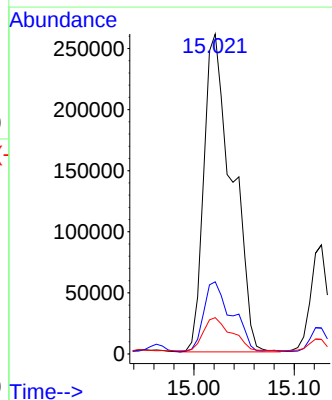
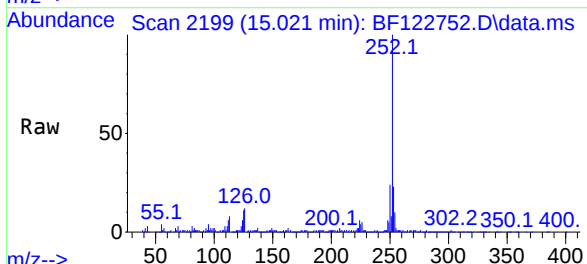
Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

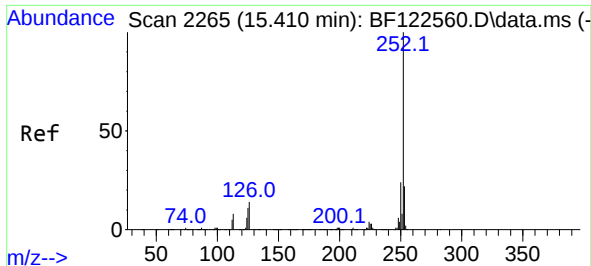
Tgt Ion:252 Resp: 511593
Ion Ratio Lower Upper
252 100
253 22.6 18.3 27.5
125 11.3 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 16.18 ng
RT: 15.021 min Scan# 2199
Delta R.T. -0.030 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:252 Resp: 511593
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 11.3 8.4 12.6

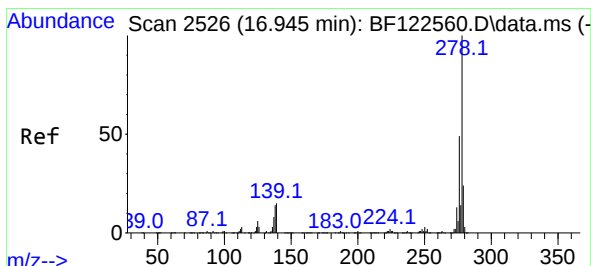
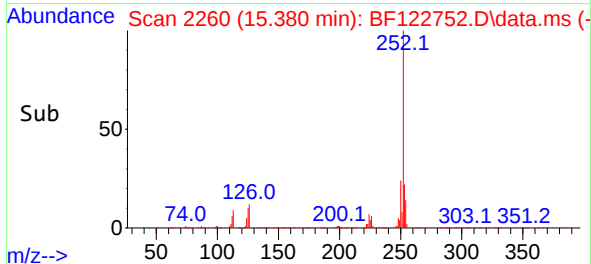
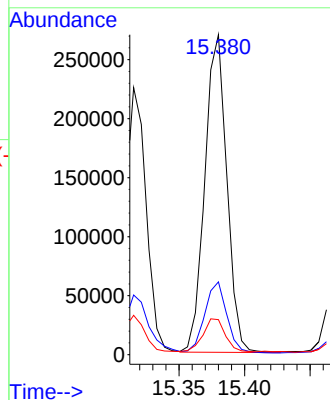
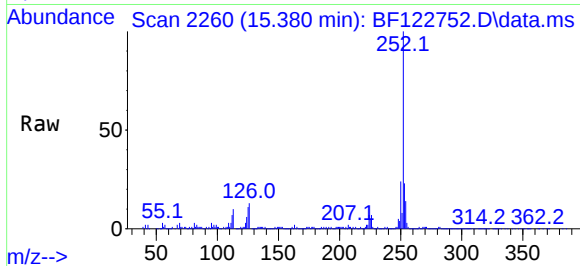




#90
Benzo(a)pyrene
Concen: 10.40 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

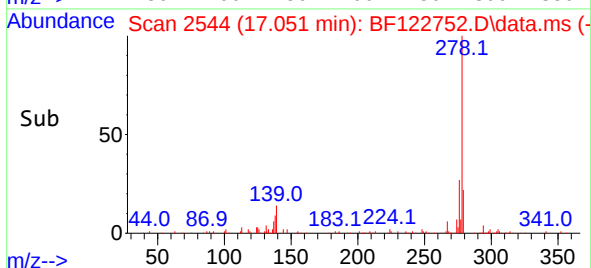
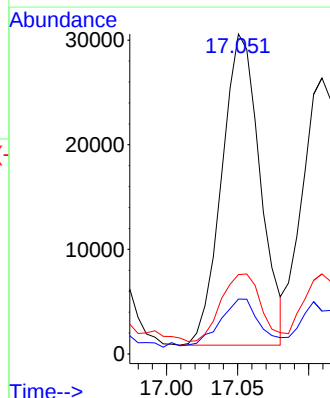
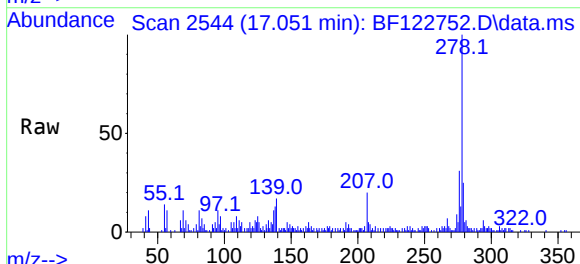
Instrument :
BNA_F
ClientSampleId :
TR1-A-D-COMP

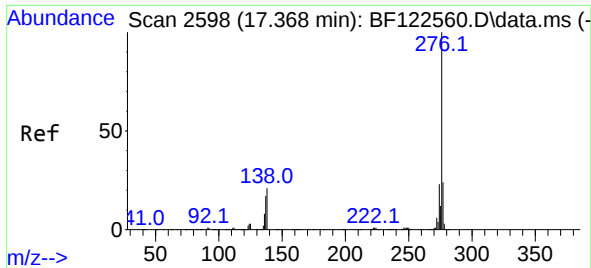
Tgt Ion:252 Resp: 314742
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.0 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 2.12 ng
RT: 17.051 min Scan# 2544
Delta R.T. 0.147 min
Lab File: BF122752.D
Acq: 16 Dec 2020 16:14

Tgt Ion:278 Resp: 56021
Ion Ratio Lower Upper
278 100
139 17.1 12.0 18.0
279 24.8 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 11.99 ng
 RT: 17.315 min Scan# 2589
 Delta R.T. -0.012 min
 Lab File: BF122752.D
 Acq: 16 Dec 2020 16:14

Instrument :
 BNA_F
 ClientSampleId :
 TR1-A-D-COMP

Tgt Ion:276 Resp: 307208

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.3	28.9
138	21.1	16.6	24.8

