

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121120\
 Data File : BF122666.D
 Acq On : 11 Dec 2020 16:40
 Operator : JU/CG
 Sample : L5035-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-1A

Quant Time: Dec 12 02:23:47 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)

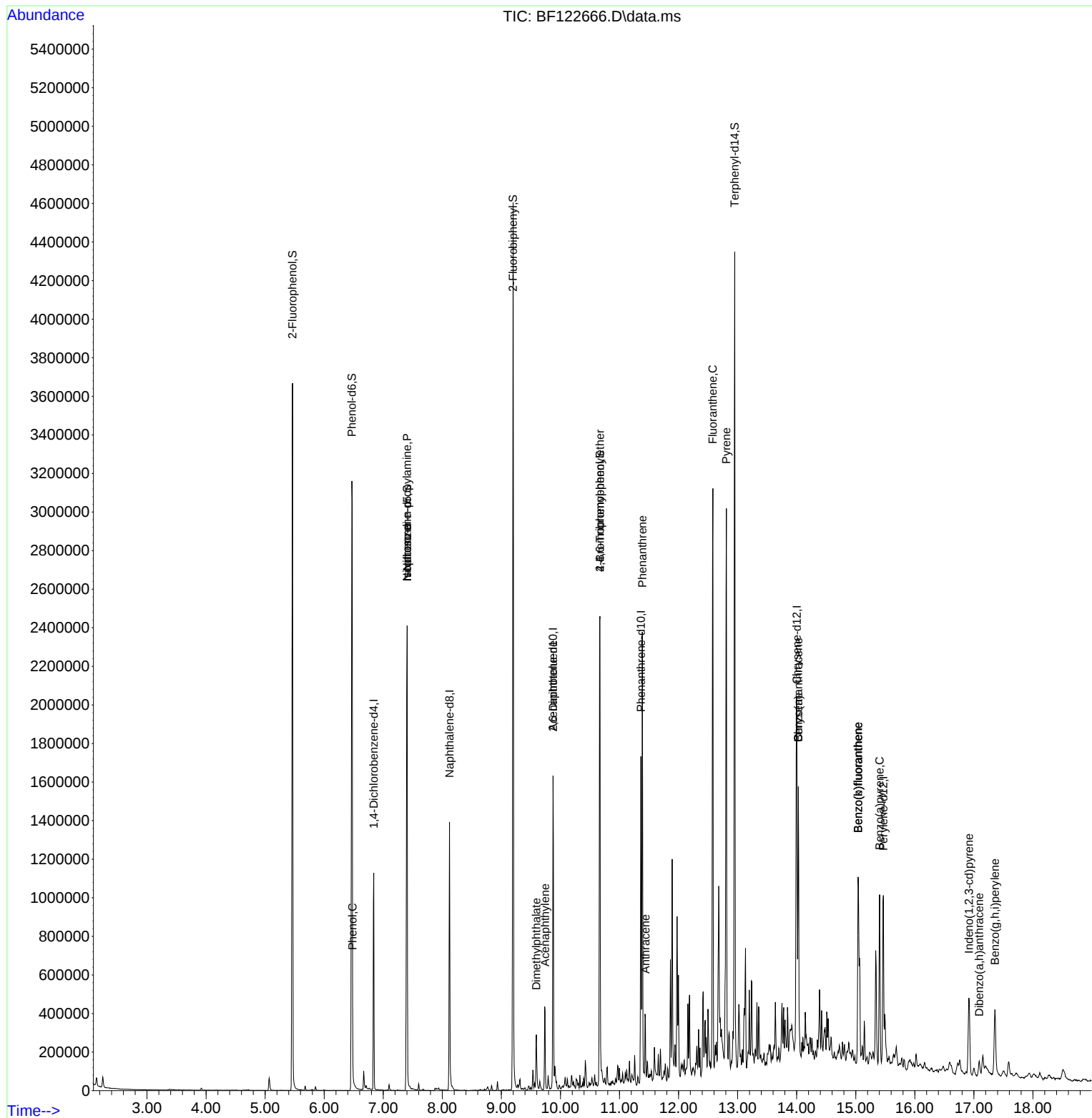
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	167251	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	643791	20.00	ng	0.00
39) Acenaphthene-d10	9.875	164	332980	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	601857	20.00	ng	0.00
76) Chrysene-d12	14.004	240	428323	20.00	ng	0.00
86) Perylene-d12	15.468	264	408382	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1104574	104.56	ng	0.00
7) Phenol-d6	6.469	99	1390084	99.21	ng	-0.01
23) Nitrobenzene-d5	7.404	82	871432	67.82	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	381651	87.56	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1486353	60.38	ng	0.00
79) Terphenyl-d14	12.951	244	1397760	57.12	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.481	94	29128	2.01	ng	96
19) n-Nitroso-di-n-propyla...	7.404	70	117079	14.59	ng	# 76
25) Isophorone	7.404	82	860237	38.87	ng	# 65
49) Acenaphthylene	9.739	152	191348	5.66	ng	98
50) Dimethylphthalate	9.592	163	123908	4.66	ng	100
51) 2,6-Dinitrotoluene	9.875	165	43310	7.71	ng	# 31
67) 4-Bromophenyl-phenylether	10.669	248	23220	2.85	ng	# 1
71) Phenanthrene	11.386	178	819131	22.90	ng	99
72) Anthracene	11.439	178	143570	4.05	ng	97
75) Fluoranthene	12.580	202	1244001	33.17	ng	99
78) Pyrene	12.810	202	1191825	35.99	ng	99
81) Benzo(a)anthracene	14.027	228	522140	18.24	ng	98
83) Chrysene	14.027	228	522140	18.33	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	269584	10.06	ng	96
88) Benzo(b)fluoranthene	15.039	252	756231	26.39	ng	99
89) Benzo(k)fluoranthene	15.039	252	756231	28.87	ng	99
90) Benzo(a)pyrene	15.404	252	391486	15.62	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	48445	2.21	ng	99
92) Benzo(g,h,i)perylene	17.356	276	262366	12.36	ng	99

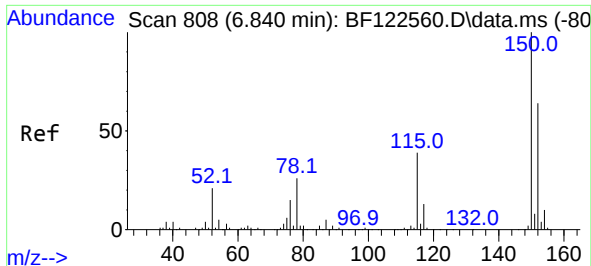
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 11 Sample Multiplier: 1

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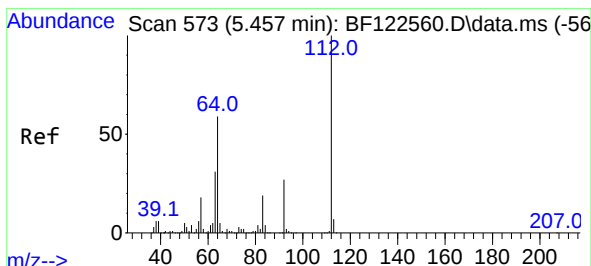
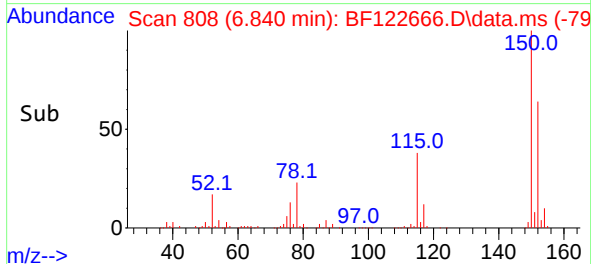
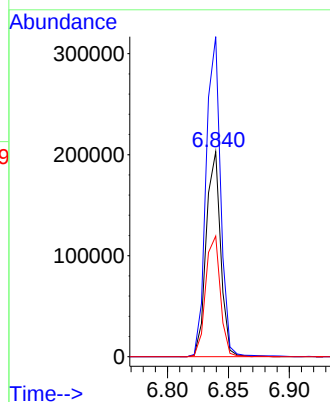
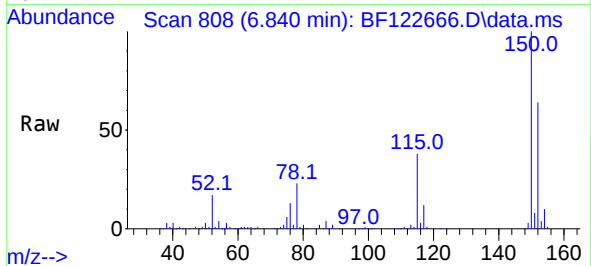




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

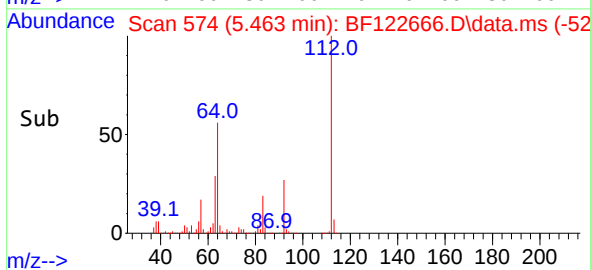
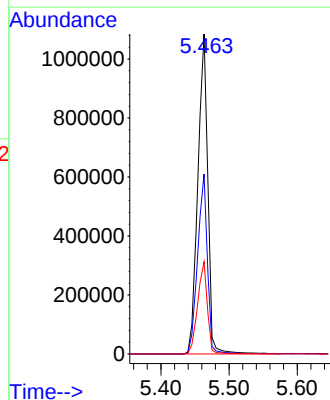
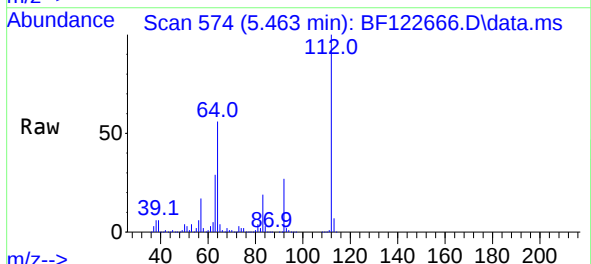
Instrument :
BNA_F
ClientSampleId :
PE-1A

Tgt Ion:152 Resp: 167251
Ion Ratio Lower Upper
152 100
150 156.1 125.8 188.6
115 58.9 49.3 73.9



#5
2-Fluorophenol
Concen: 104.56 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:112 Resp: 1104574
Ion Ratio Lower Upper
112 100
64 56.2 46.9 70.3
63 28.8 24.5 36.7

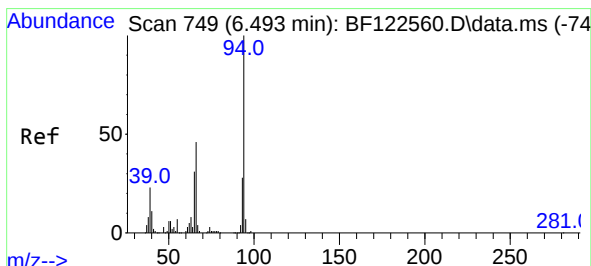
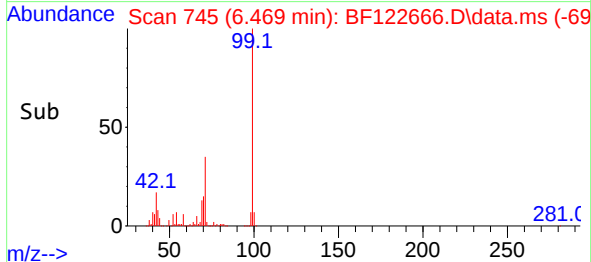
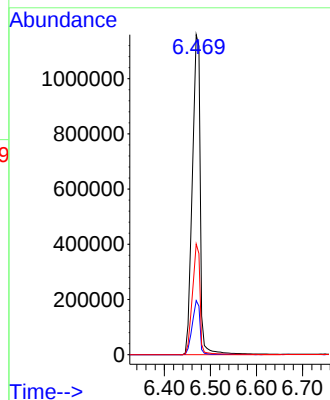
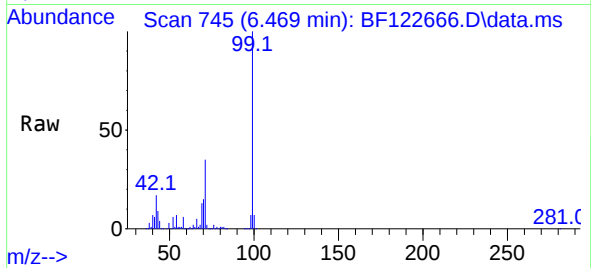




#7
Phenol-d6
Concen: 99.21 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

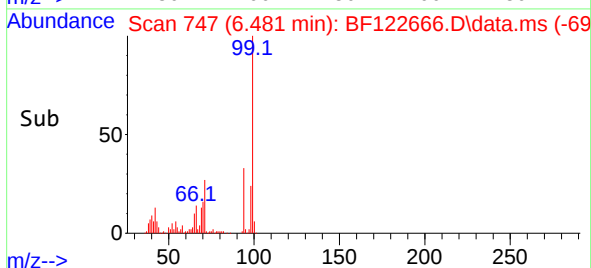
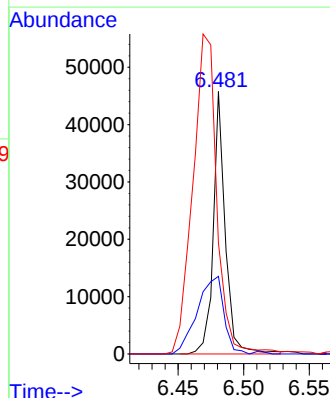
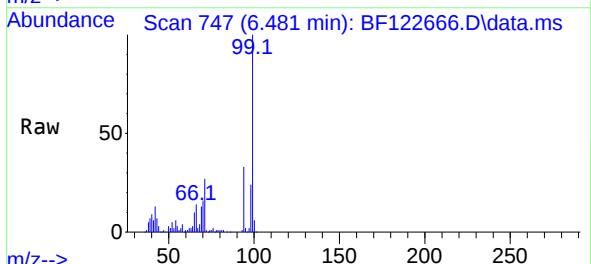
Instrument :
BNA_F
ClientSampleId :
PE-1A

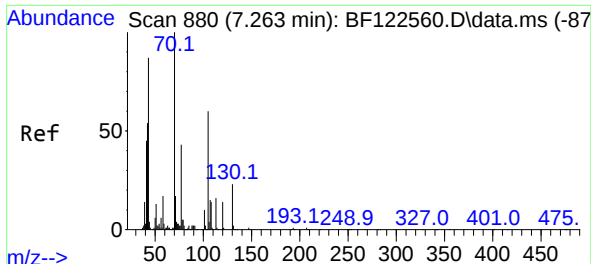
Tgt Ion: 99 Resp: 1390084
Ion Ratio Lower Upper
99 100
42 16.9 13.8 20.6
71 34.6 26.9 40.3



#10
Phenol
Concen: 2.01 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion: 94 Resp: 29128
Ion Ratio Lower Upper
94 100
65 29.6 11.2 51.2
66 42.3 25.8 65.8

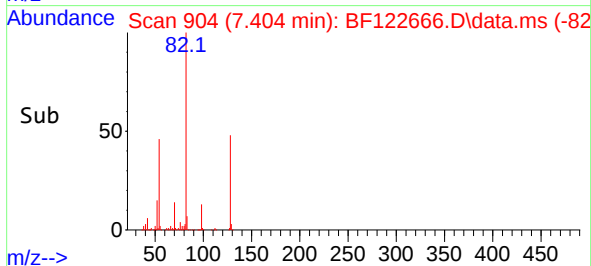
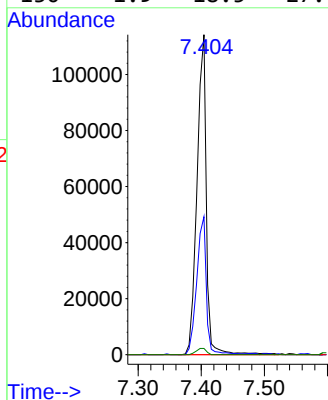
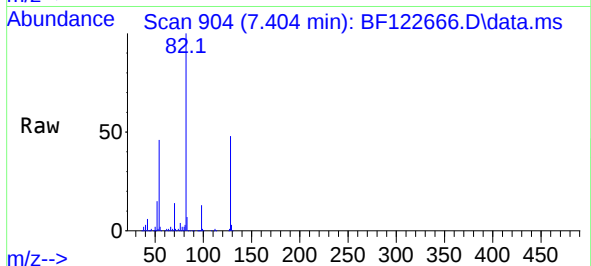




#19
n-Nitroso-di-n-propylamine
Concen: 14.59 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.141 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

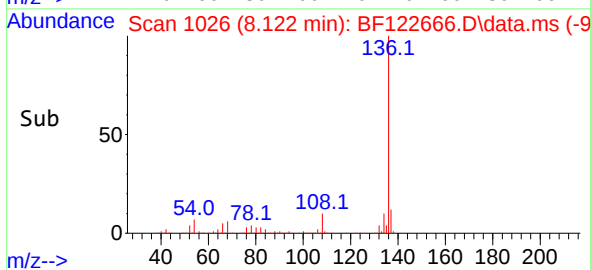
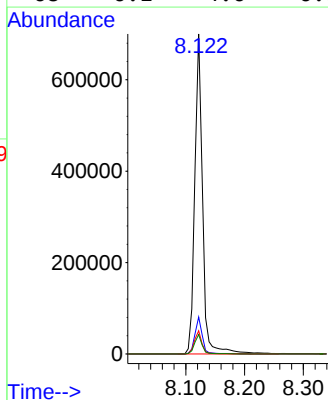
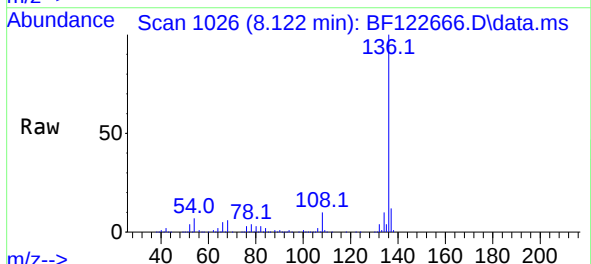
Instrument :
BNA_F
ClientSampleId :
PE-1A

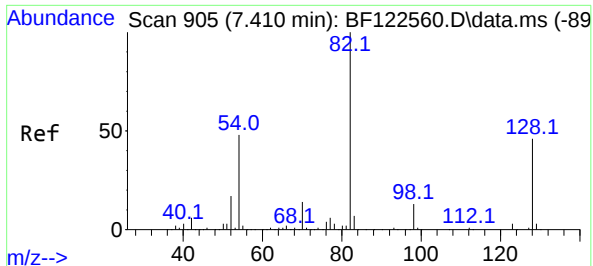
Tgt Ion: 70 Resp: 117079
Ion Ratio Lower Upper
70 100
42 43.1 43.0 64.4
101 0.0 7.9 11.9#
130 1.9 18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion: 136 Resp: 643791
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 7.3 5.5 8.3
68 6.1 4.6 6.8





#23

Nitrobenzene-d5

Concen: 67.82 ng

RT: 7.404 min Scan# 904

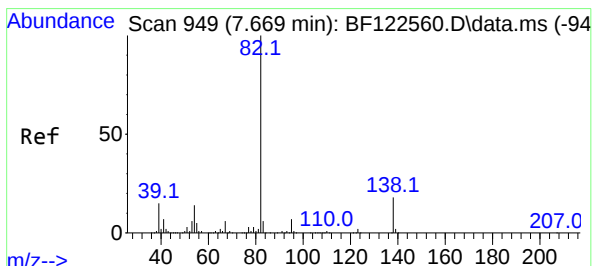
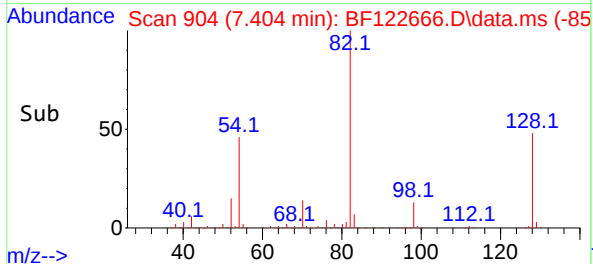
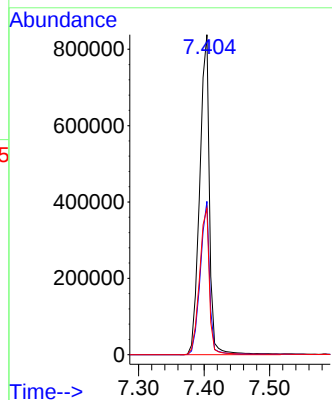
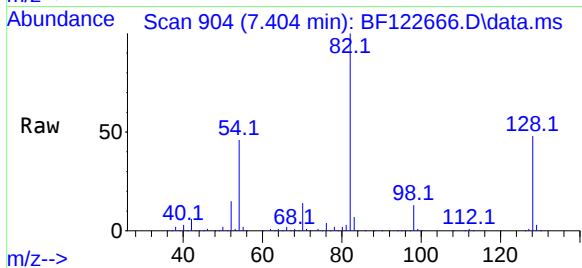
Delta R.T. -0.006 min

Lab File: BF122666.D

Acq: 11 Dec 2020 16:40

Tgt Ion: 82 Resp: 871432

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.0	55.4
54	45.7	38.4	57.6



#25

Isophorone

Concen: 38.87 ng

RT: 7.404 min Scan# 904

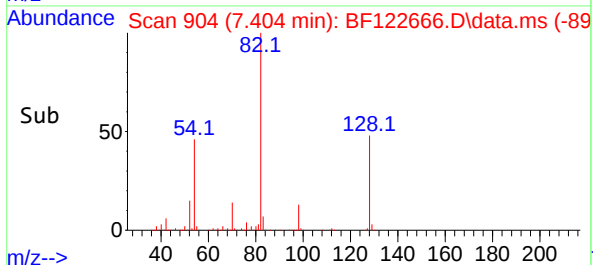
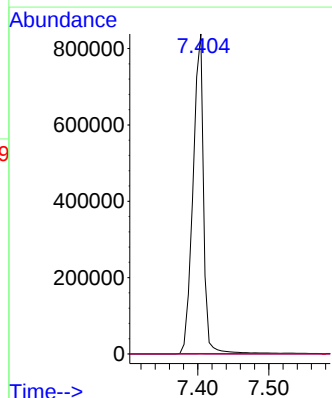
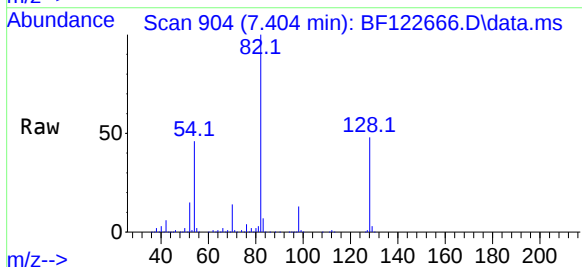
Delta R.T. -0.265 min

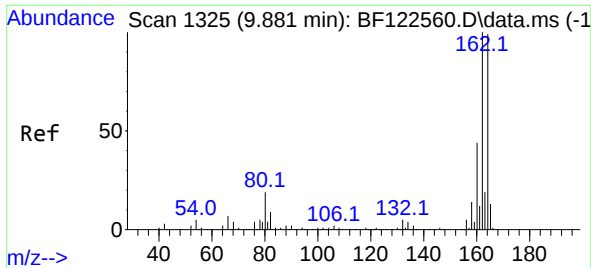
Lab File: BF122666.D

Acq: 11 Dec 2020 16:40

Tgt Ion: 82 Resp: 860237

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.6	21.8#

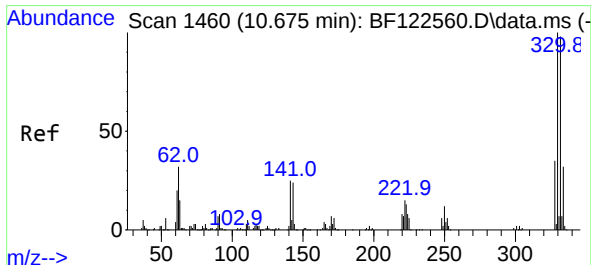
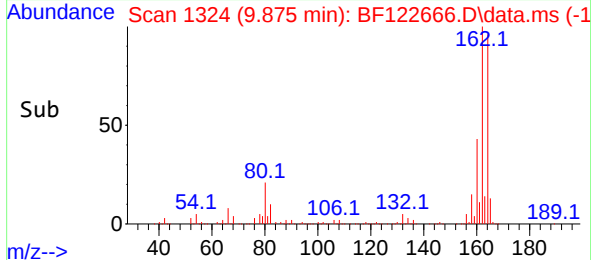
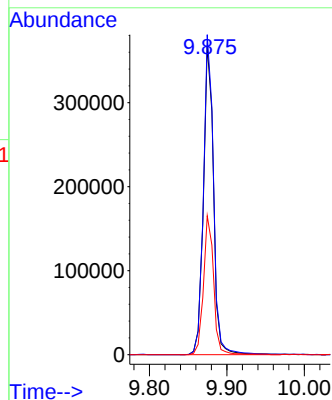
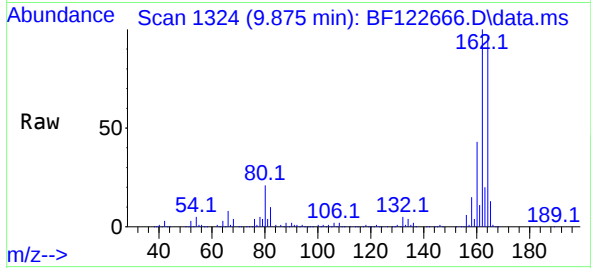




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

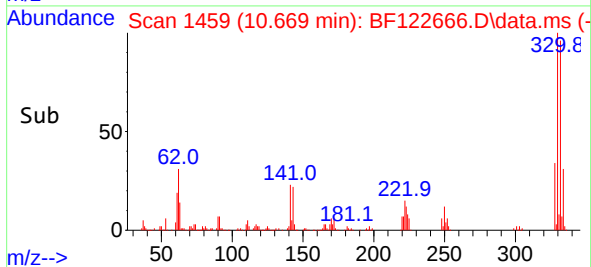
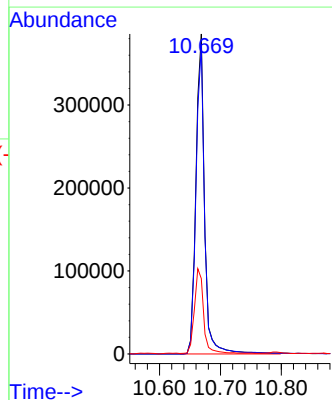
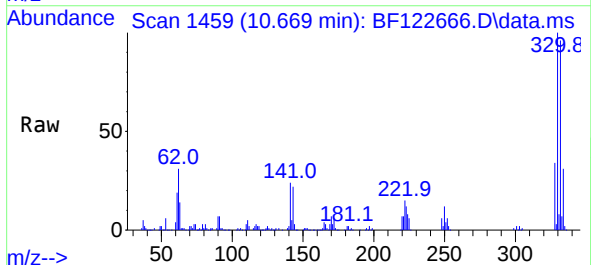
Instrument :
BNA_F
ClientSampled :
PE-1A

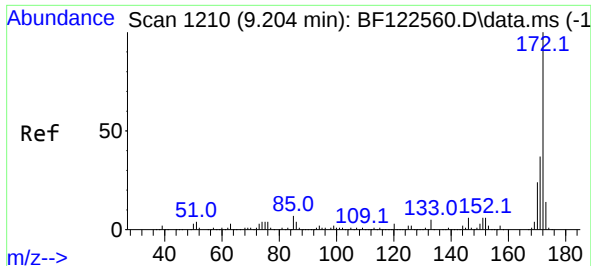
Tgt Ion:164 Resp: 332980
Ion Ratio Lower Upper
164 100
162 103.6 80.8 121.2
160 45.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 87.56 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:330 Resp: 381651
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 27.8 23.8 35.8

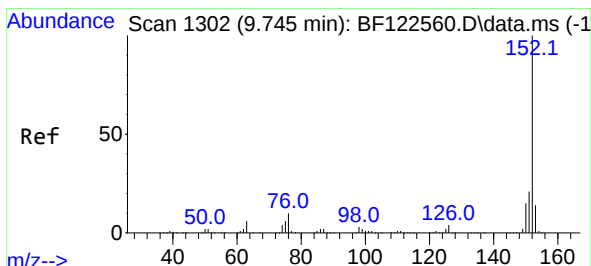
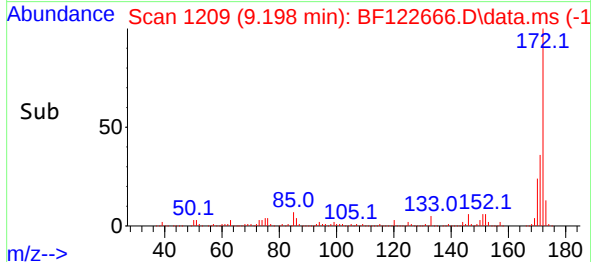
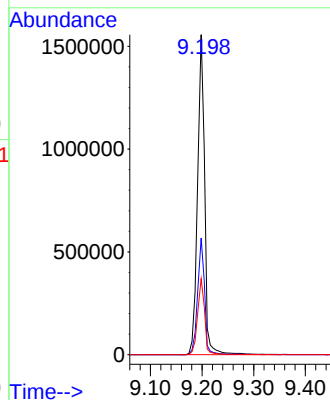
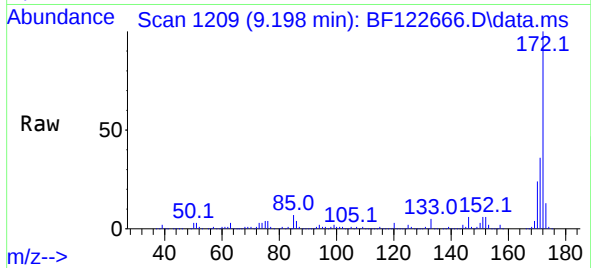




#45
2-Fluorobiphenyl
Concen: 60.38 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

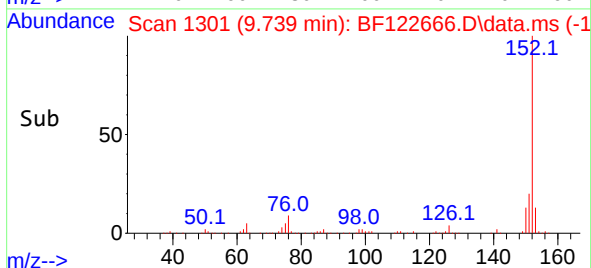
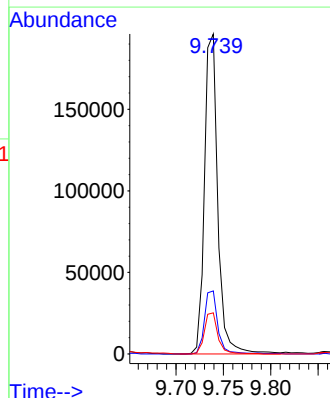
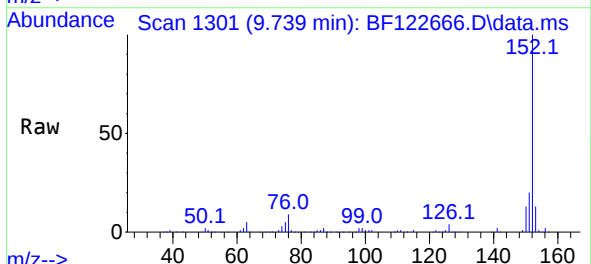
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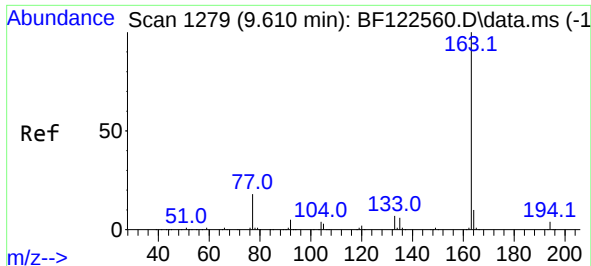
Tgt Ion:172 Resp: 1486353
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.7 19.5 29.3



#49
Acenaphthylene
Concen: 5.66 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:152 Resp: 191348
Ion Ratio Lower Upper
152 100
151 19.7 16.6 25.0
153 12.8 10.9 16.3

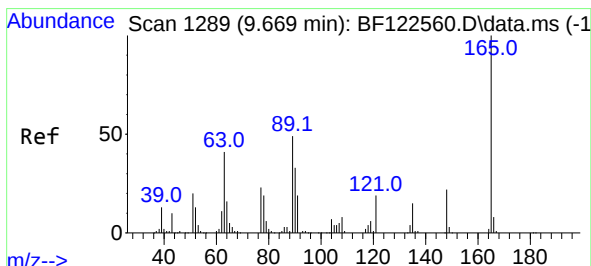
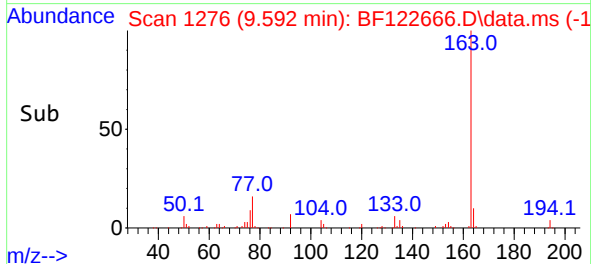
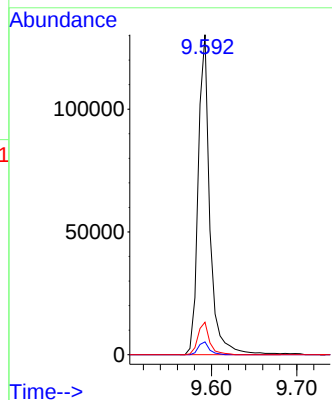
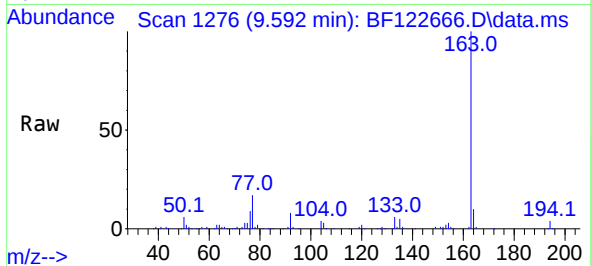




#50
Dimethylphthalate
Concen: 4.66 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

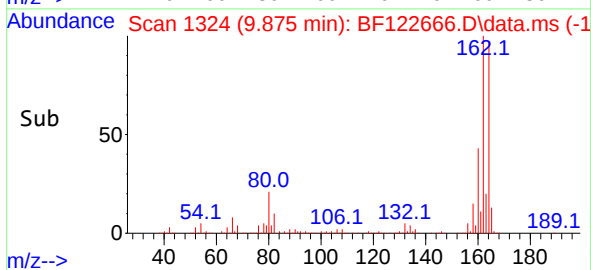
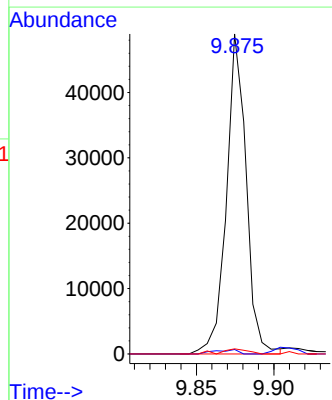
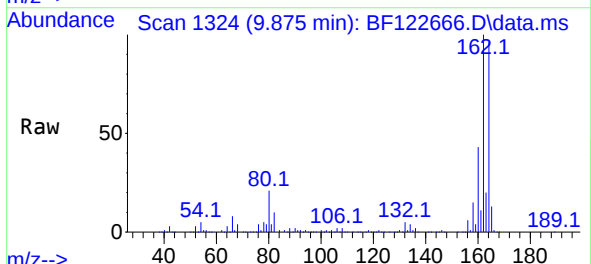
Instrument :
BNA_F
ClientSampleId :
PE-1A

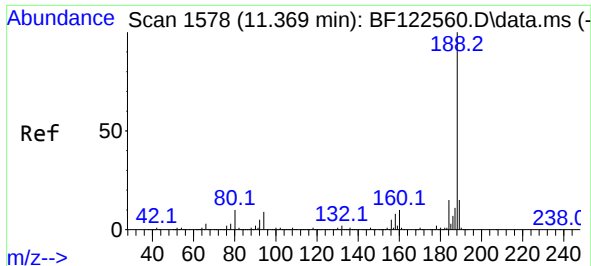
Tgt Ion:163 Resp: 123908
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.1 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 7.71 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.206 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:165 Resp: 43310
Ion Ratio Lower Upper
165 100
63 1.4 36.6 55.0#
89 1.6 39.4 59.0#

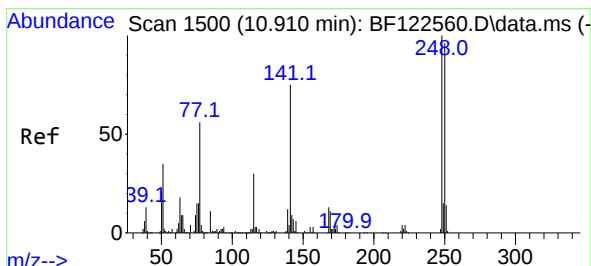
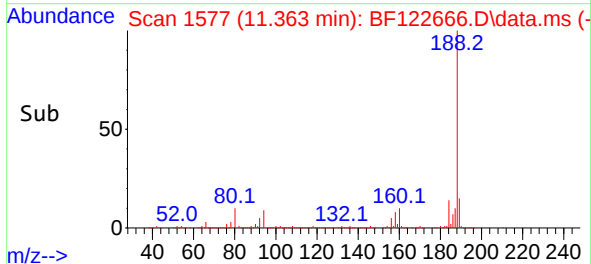
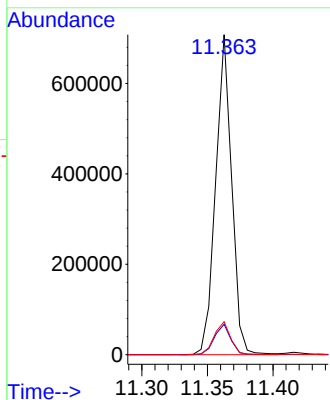
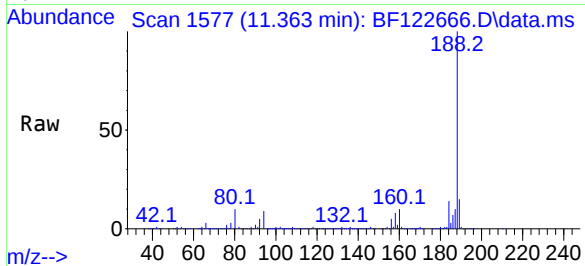




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

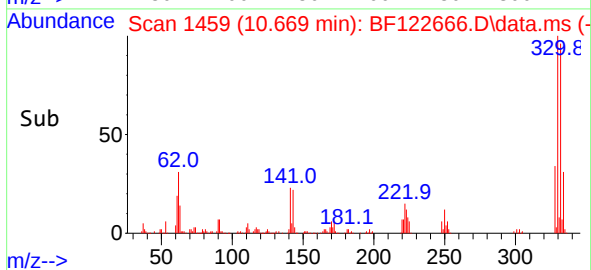
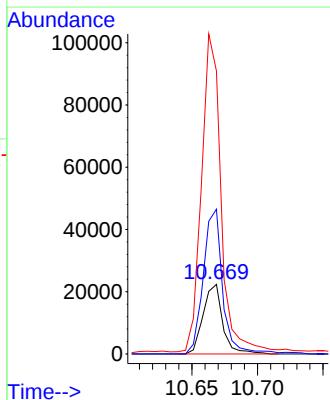
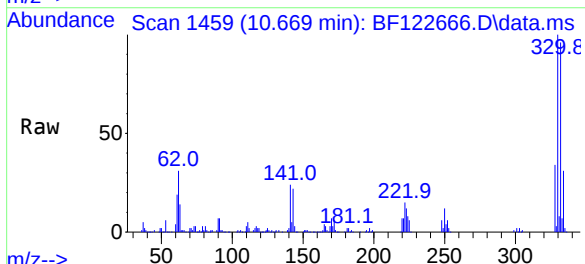
Instrument :
BNA_F
ClientSampleId :
PE-1A

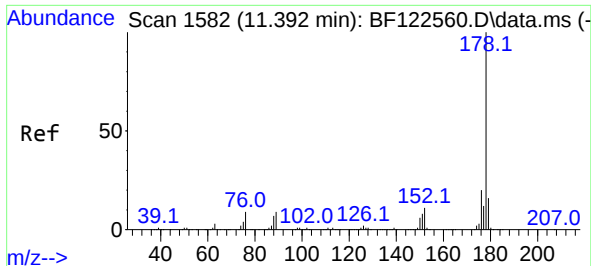
Tgt Ion:188 Resp: 601857
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.3 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 2.85 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.241 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:248 Resp: 23220
Ion Ratio Lower Upper
248 100
250 207.8 76.8 115.2#
141 406.1 59.8 89.8#

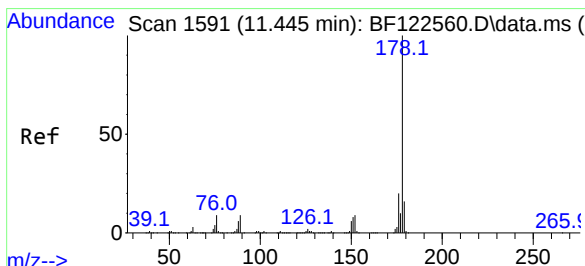
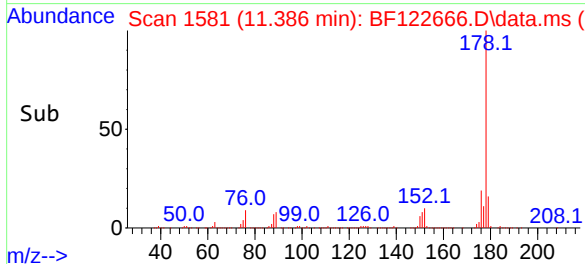
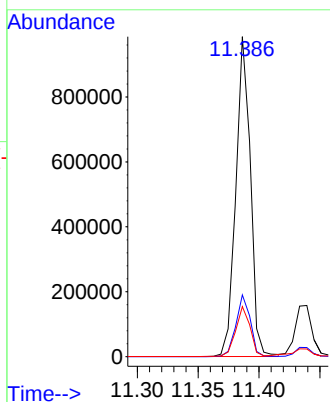
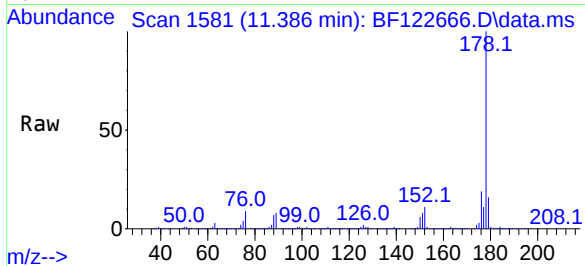




#71
Phenanthrene
Concen: 22.90 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

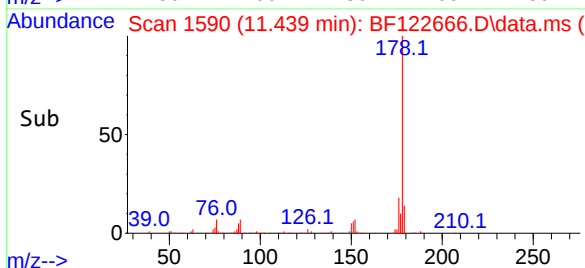
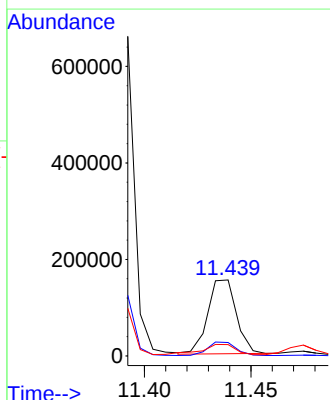
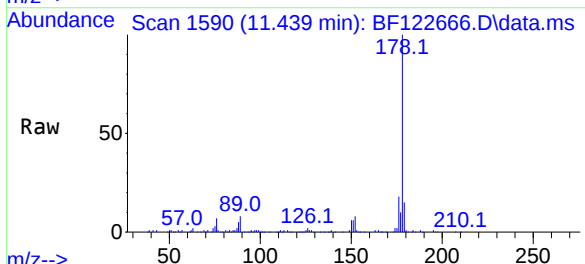
Instrument :
BNA_F
ClientSampleId :
PE-1A

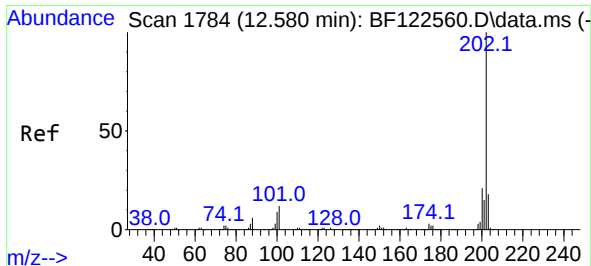
Tgt Ion:178 Resp: 819131
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.7 12.7 19.1



#72
Anthracene
Concen: 4.05 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:178 Resp: 143570
Ion Ratio Lower Upper
178 100
176 17.7 15.6 23.4
179 14.9 12.8 19.2

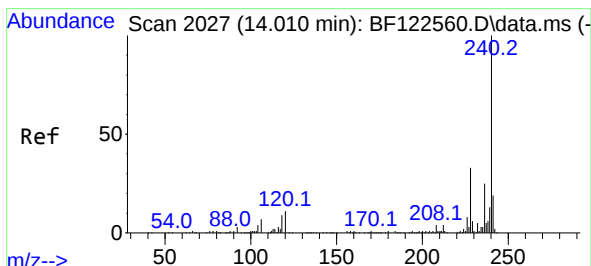
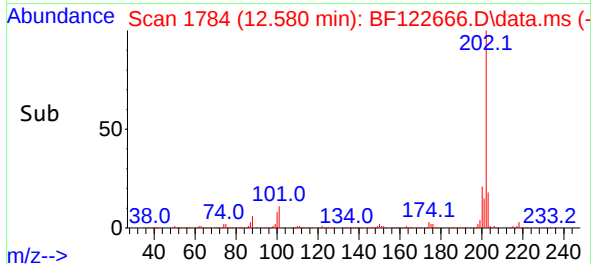
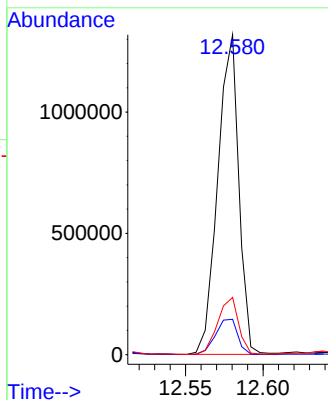
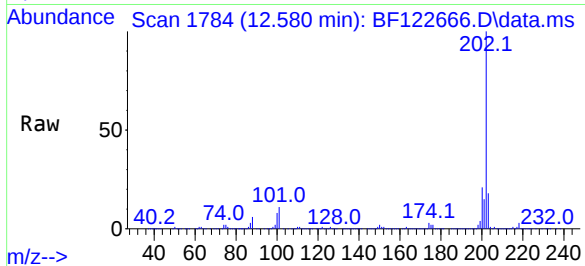




#75
Fluoranthene
Concen: 33.17 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

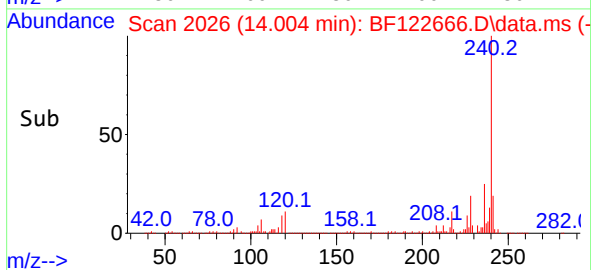
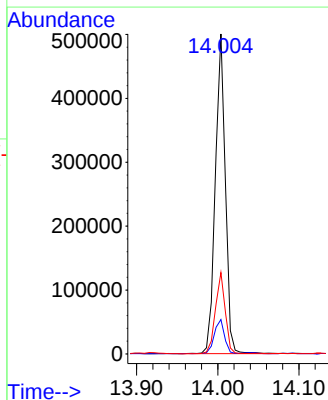
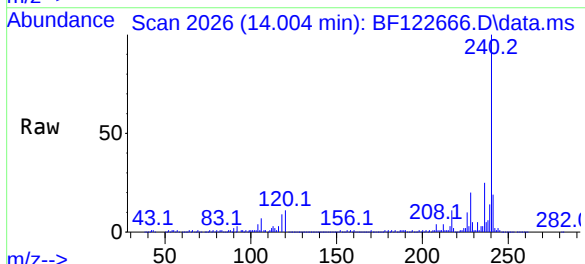
Instrument :
BNA_F
ClientSampled :
PE-1A

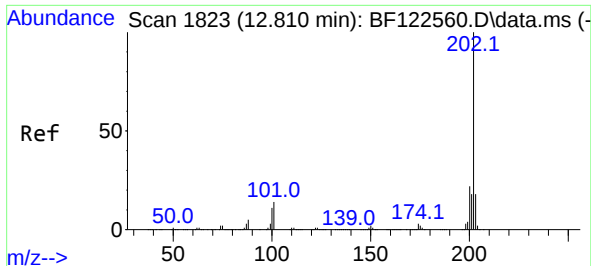
Tgt Ion:202 Resp: 1244001
Ion Ratio Lower Upper
202 100
101 11.0 0.0 32.2
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:240 Resp: 428323
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 25.5 20.3 30.5



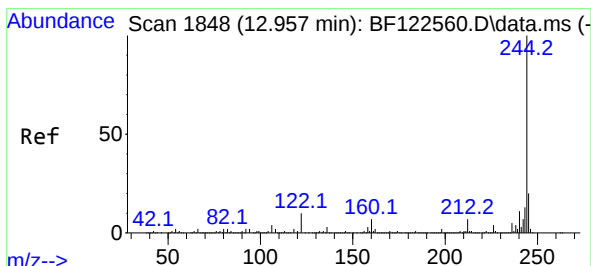
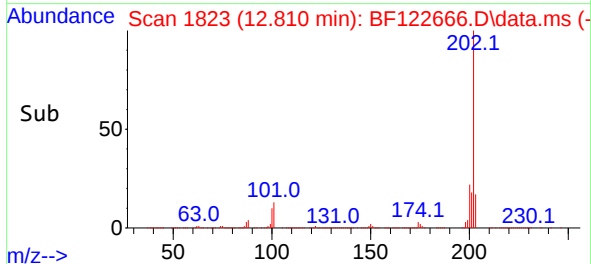
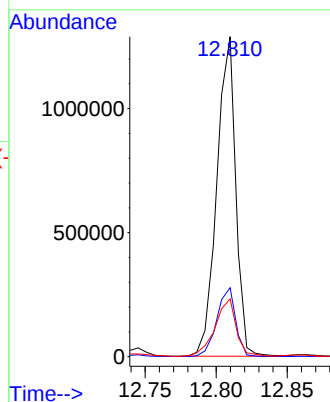
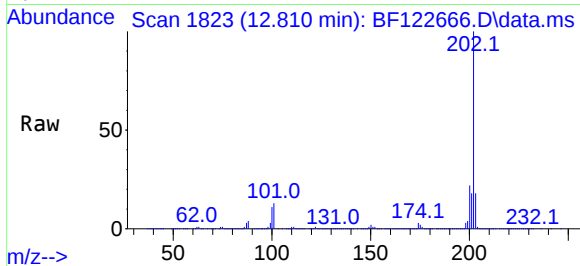


#78
Pyrene
Concen: 35.99 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.000 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Instrument :
BNA_F
ClientSampleId :
PE-1A

Tgt Ion:202 Resp: 1191825

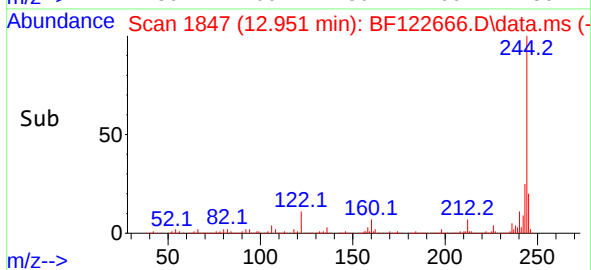
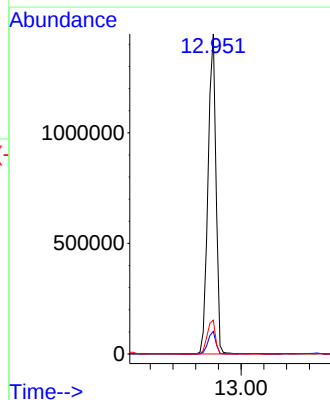
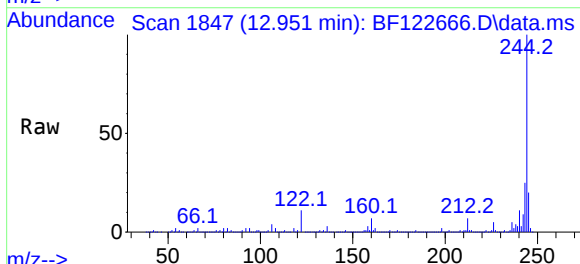
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	18.0	14.6	21.8

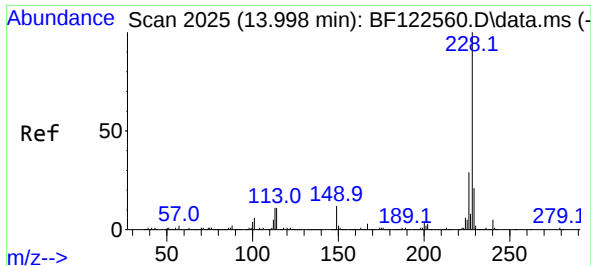


#79
Terphenyl-d14
Concen: 57.12 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:244 Resp: 1397760

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.6	8.3	12.5



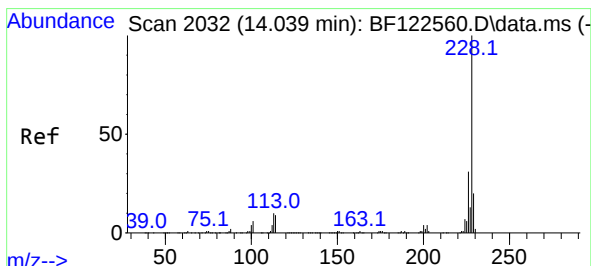
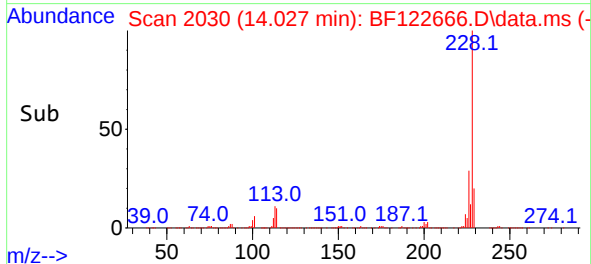
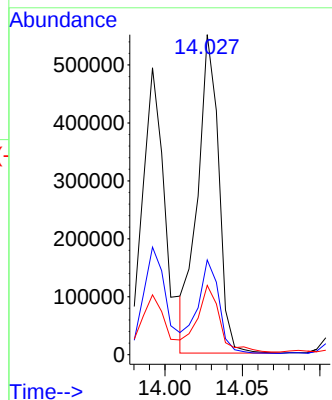
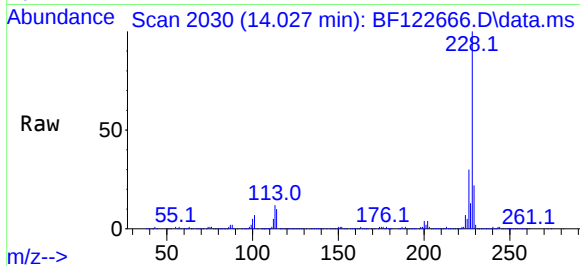


#81
Benzo(a)anthracene
Concen: 18.24 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.029 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Instrument :
BNA_F
ClientSampleId :
PE-1A

Tgt Ion:228 Resp: 522140

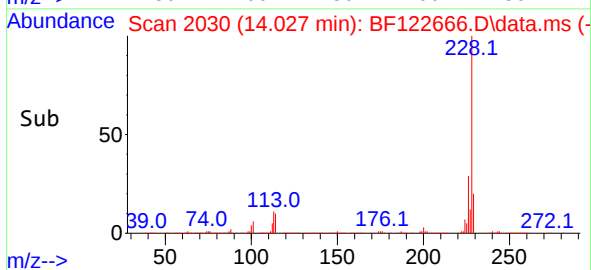
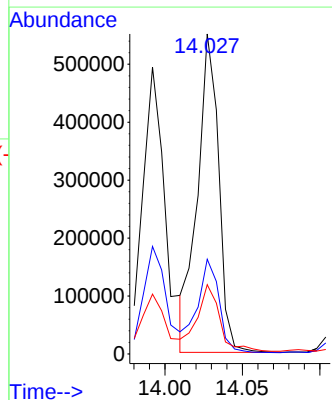
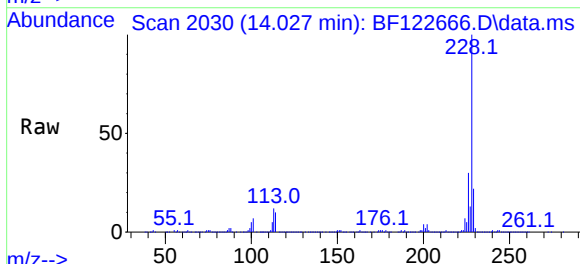
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.0	34.4
229	21.7	16.6	24.8

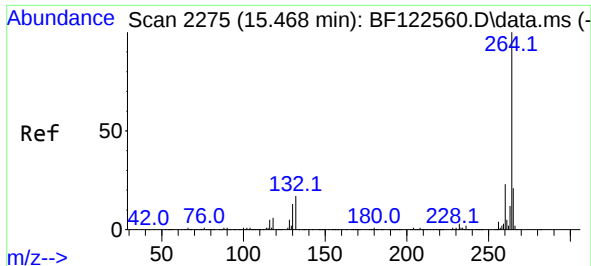


#83
Chrysene
Concen: 18.33 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:228 Resp: 522140

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.6	36.8
229	21.7	15.8	23.6

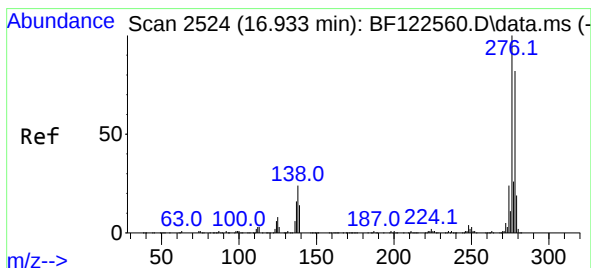
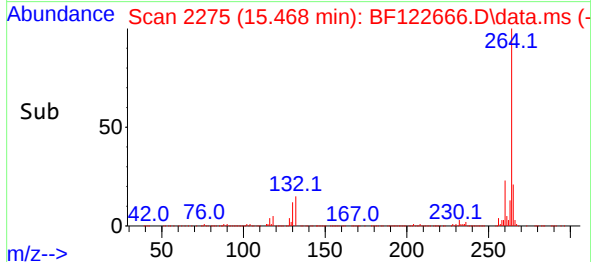
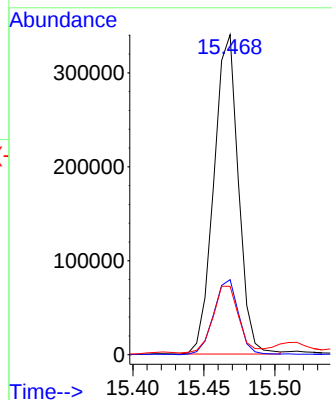
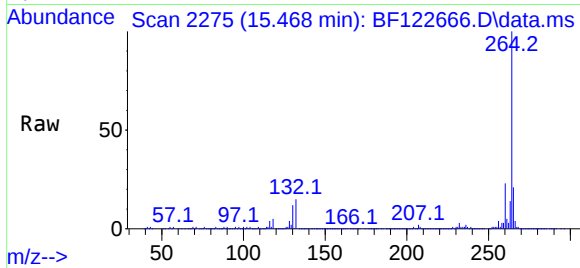




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

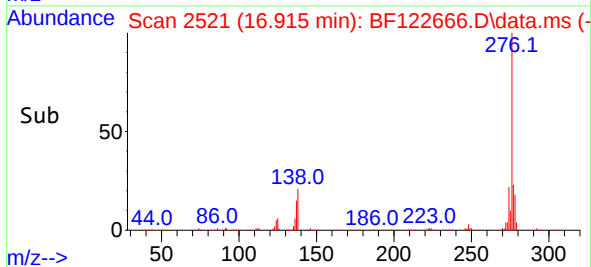
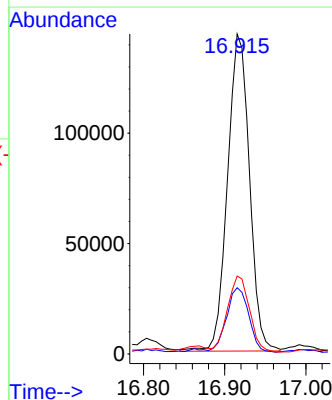
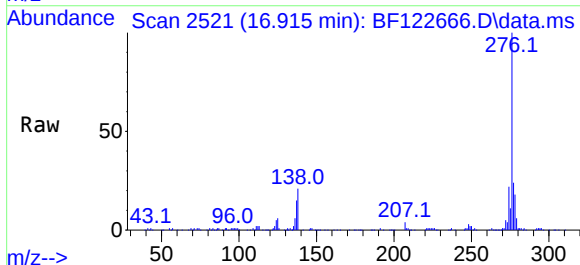
Instrument :
BNA_F
ClientSampleId :
PE-1A

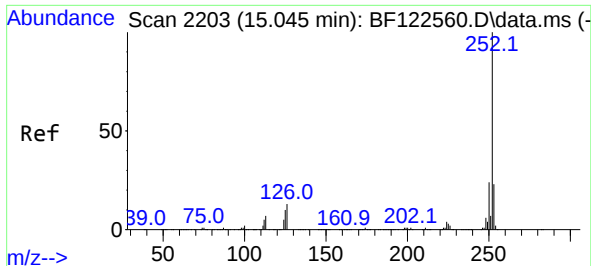
Tgt Ion:264 Resp: 408382
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 21.4 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 10.06 ng
RT: 16.915 min Scan# 2521
Delta R.T. -0.018 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:276 Resp: 269584
Ion Ratio Lower Upper
276 100
138 20.5 18.7 28.1
277 24.1 20.2 30.4

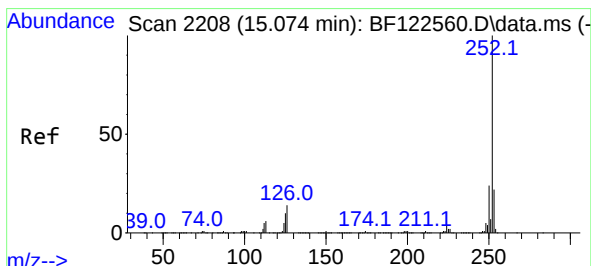
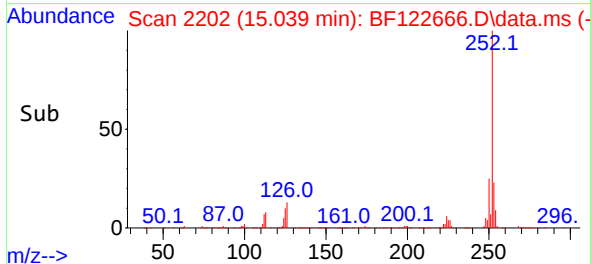
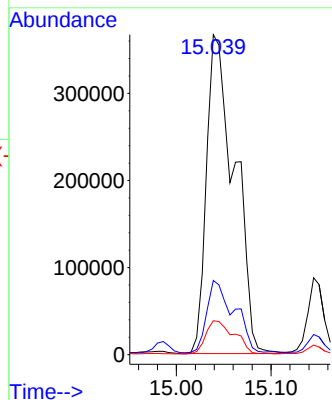
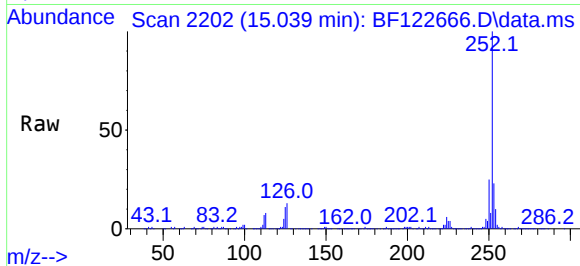




#88
Benzo(b)fluoranthene
Concen: 26.39 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

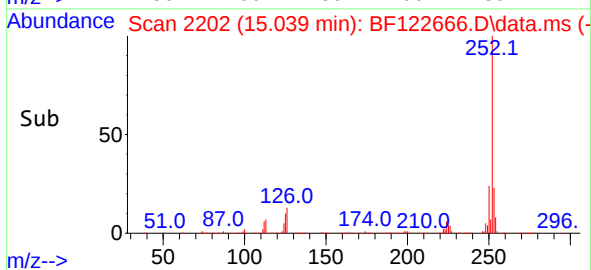
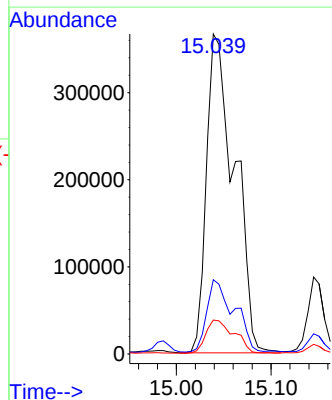
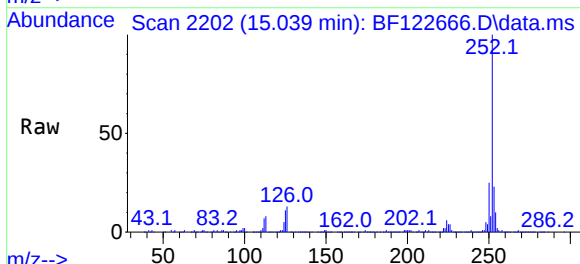
Instrument :
BNA_F
ClientSampled :
PE-1A

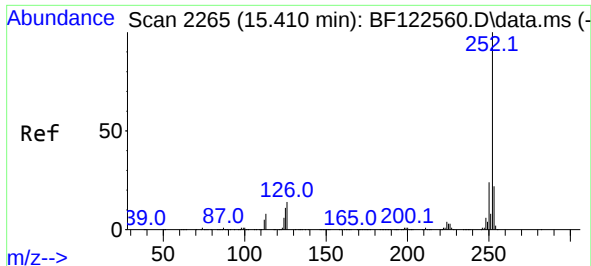
Tgt Ion:252 Resp: 756231
Ion Ratio Lower Upper
252 100
253 23.2 18.3 27.5
125 10.6 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 28.87 ng
RT: 15.039 min Scan# 2202
Delta R.T. -0.035 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:252 Resp: 756231
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 10.6 8.4 12.6

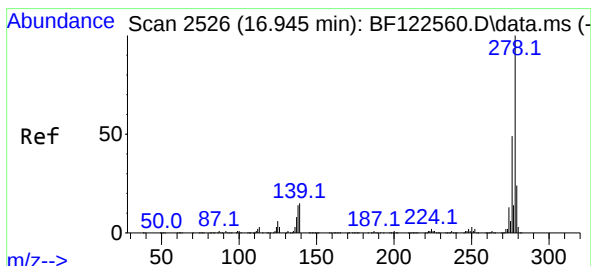
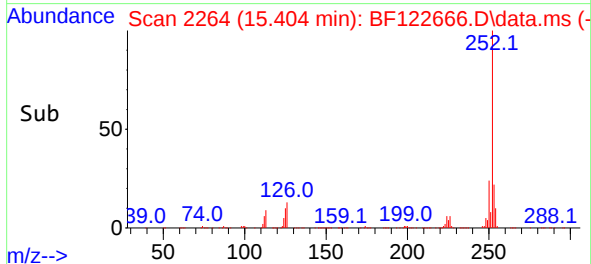
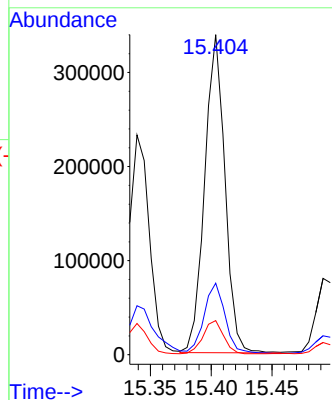
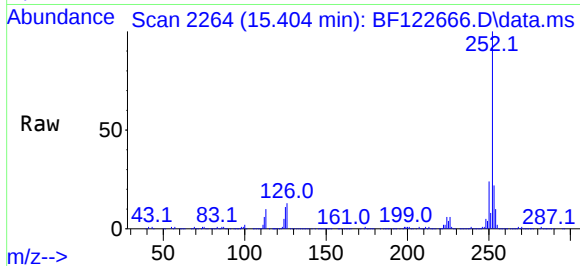




#90
Benzo(a)pyrene
Concen: 15.62 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

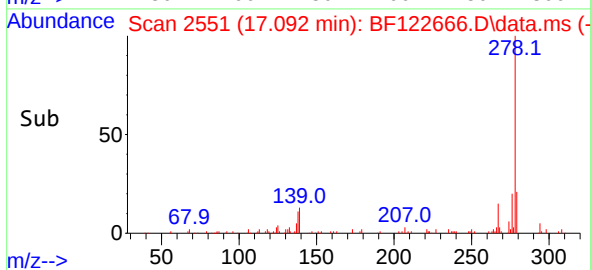
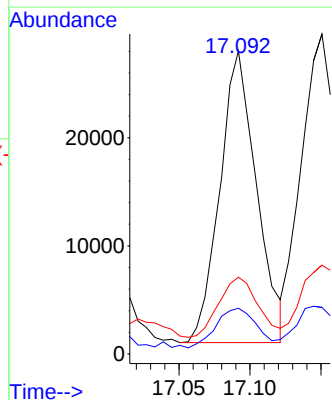
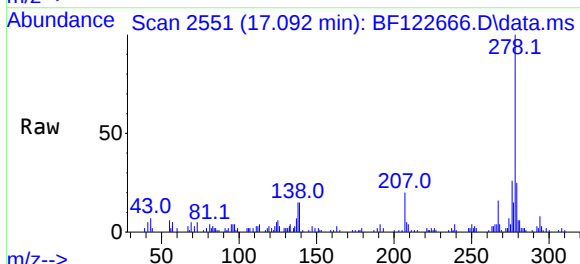
Instrument :
BNA_F
ClientSampleId :
PE-1A

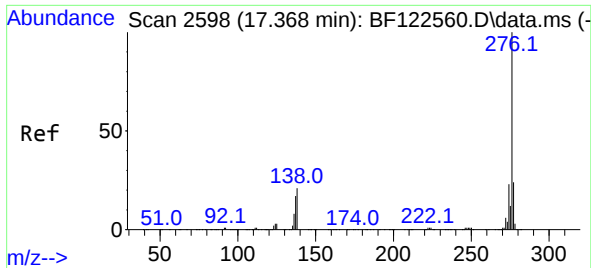
Tgt Ion:252 Resp: 391486
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 10.7 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 2.21 ng
RT: 17.092 min Scan# 2551
Delta R.T. 0.147 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

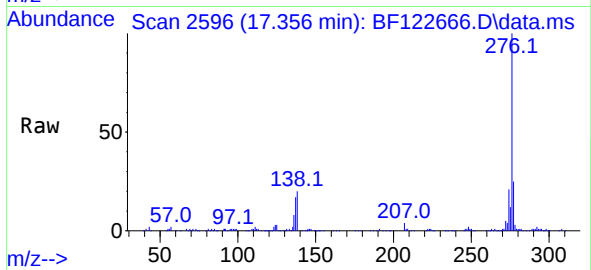
Tgt Ion:278 Resp: 48445
Ion Ratio Lower Upper
278 100
139 15.1 12.0 18.0
279 25.3 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 12.36 ng
RT: 17.356 min Scan# 2596
Delta R.T. -0.012 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Instrument :
BNA_F
ClientSampleId :
PE-1A



Tgt Ion: 276 Resp: 262366
Ion Ratio Lower Upper
276 100
277 24.7 19.3 28.9
138 20.3 16.6 24.8

