

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121120\
 Data File : BF122671.D
 Acq On : 11 Dec 2020 19:17
 Operator : JU/CG
 Sample : L5035-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-6

Quant Time: Dec 12 02:24:53 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)

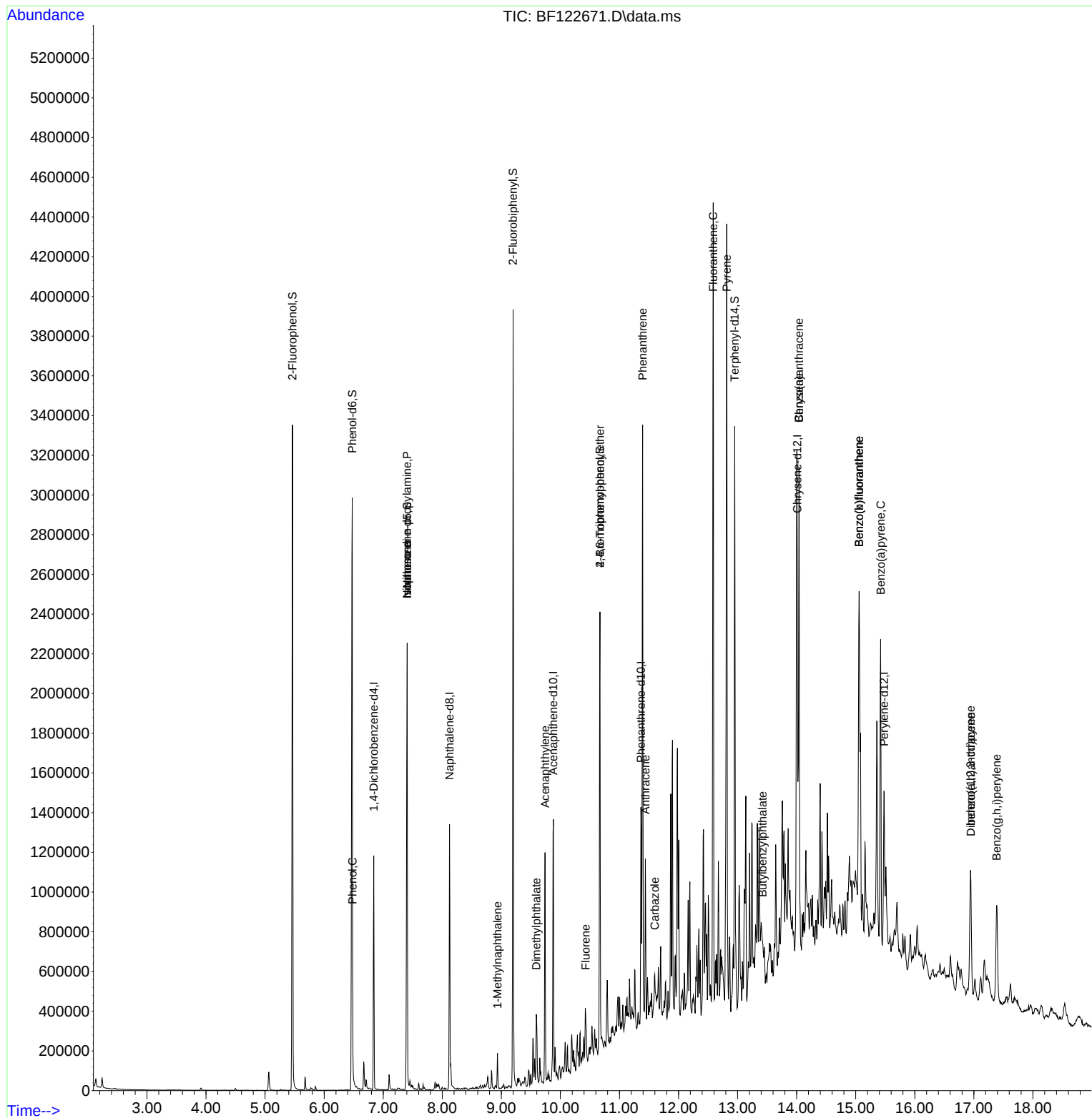
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	161543	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	597779	20.00	ng	0.00
39) Acenaphthene-d10	9.881	164	286072	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	438722	20.00	ng	0.00
76) Chrysene-d12	14.010	240	351137	20.00	ng	0.00
86) Perylene-d12	15.480	264	352965	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	981404	96.18	ng	0.00
7) Phenol-d6	6.475	99	1194086	88.24	ng	0.00
23) Nitrobenzene-d5	7.404	82	739263	61.96	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	293621	78.41	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1193944	56.45	ng	0.00
79) Terphenyl-d14	12.951	244	906411	45.19	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.481	94	32050	2.29	ng	88
19) n-Nitroso-di-n-propyla...	7.404	70	96967	12.51	ng	# 75
25) Isophorone	7.404	82	739258	35.97	ng	# 65
38) 1-Methylnaphthalene	8.934	142	42007	2.04	ng	97
49) Acenaphthylene	9.739	152	455110	15.66	ng	99
50) Dimethylphthalate	9.592	163	107823	4.72	ng	99
58) Fluorene	10.428	166	88609	4.21	ng	94
67) 4-Bromophenyl-phenylether	10.669	248	18394	3.09	ng	# 1
71) Phenanthrene	11.392	178	1131051	43.38	ng	99
72) Anthracene	11.439	178	294450	11.39	ng	98
73) Carbazole	11.598	167	83255	3.55	ng	99
75) Fluoranthene	12.586	202	1662094	60.79	ng	100
78) Pyrene	12.816	202	1720275	63.37	ng	99
80) Butylbenzylphthalate	13.422	149	26230	2.14	ng	# 62
81) Benzo(a)anthracene	14.039	228	982459	41.87	ng	96
83) Chrysene	14.039	228	982459	42.07	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	422816	18.25	ng	96
88) Benzo(b)fluoranthene	15.057	252	1410646	56.96	ng	98
89) Benzo(k)fluoranthene	15.057	252	1410646	62.30	ng	98
90) Benzo(a)pyrene	15.421	252	734413	33.90	ng	99
91) Dibenzo(a,h)anthracene	16.951	278	114136	6.02	ng	# 89
92) Benzo(g,h,i)perylene	17.386	276	402859	21.95	ng	99

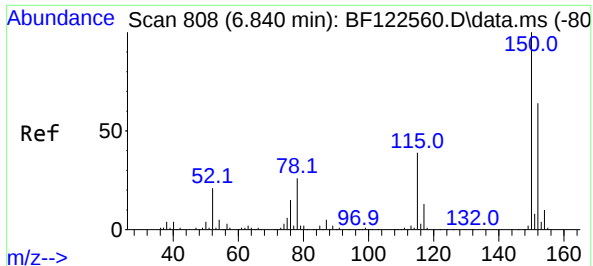
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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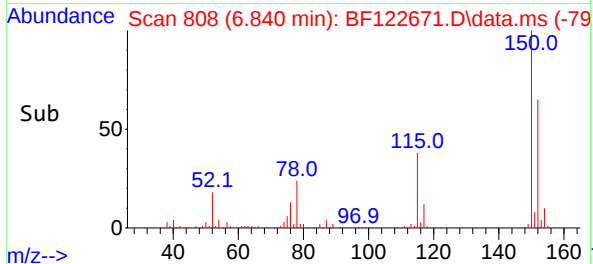
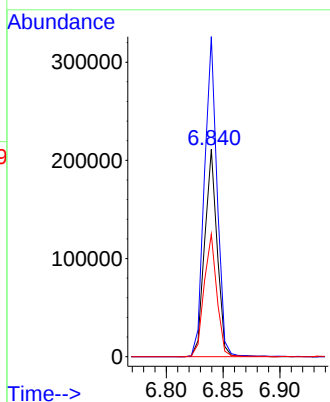
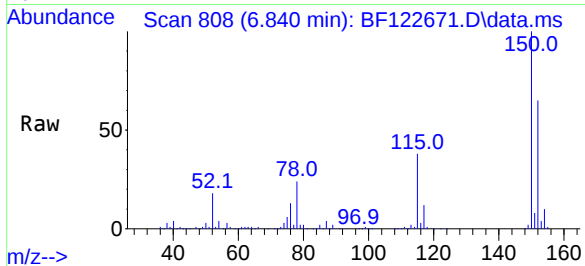




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

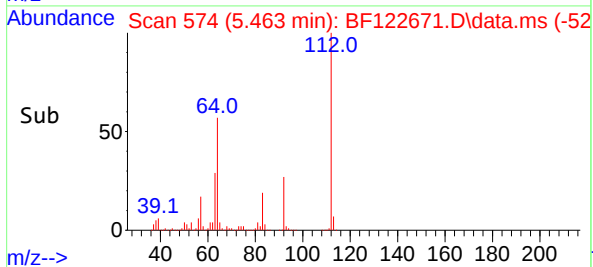
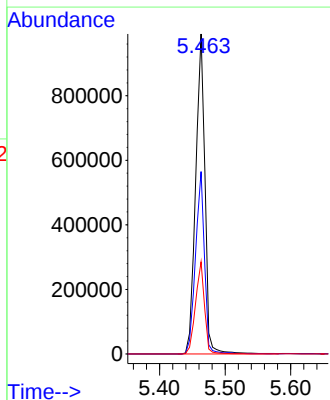
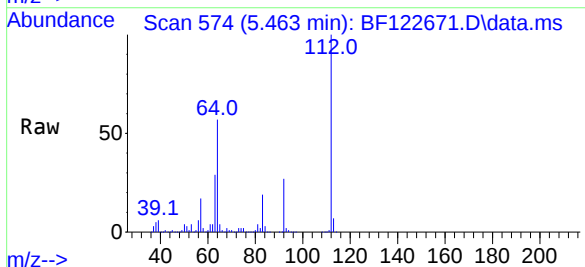
Instrument :
BNA_F
ClientSampleId :
PE-6

Tgt Ion:152 Resp: 161543
Ion Ratio Lower Upper
152 100
150 154.4 125.8 188.6
115 59.1 49.3 73.9



#5
2-Fluorophenol
Concen: 96.18 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:112 Resp: 981404
Ion Ratio Lower Upper
112 100
64 57.0 46.9 70.3
63 28.8 24.5 36.7



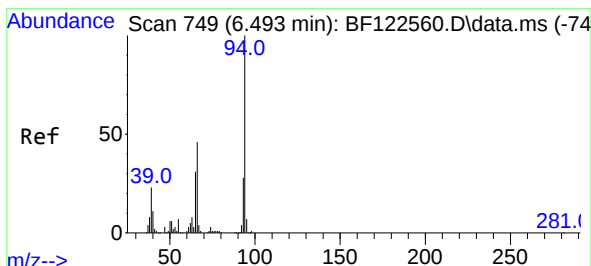
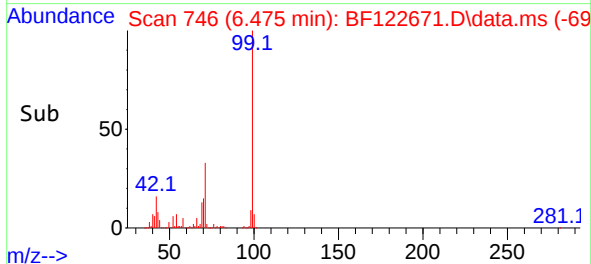
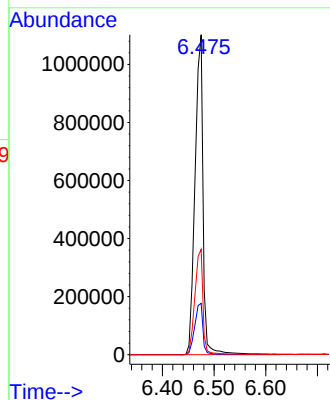
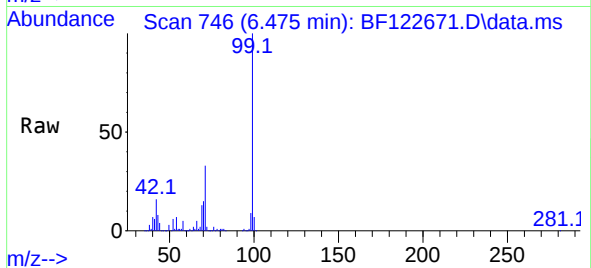


#7
Phenol-d6
Concen: 88.24 ng
RT: 6.475 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Instrument :
BNA_F
ClientSampleId :
PE-6

Tgt Ion: 99 Resp: 1194086

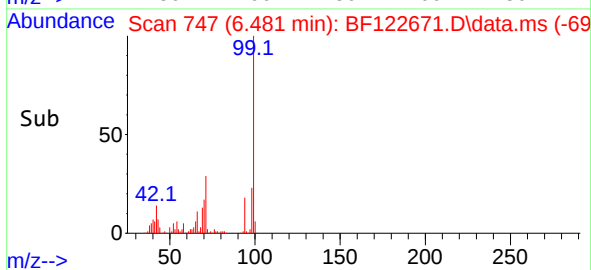
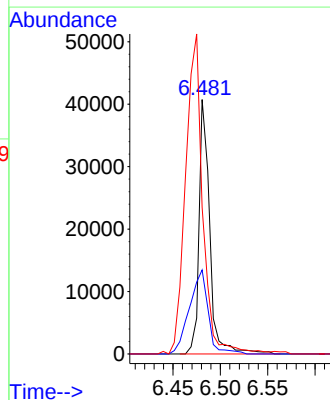
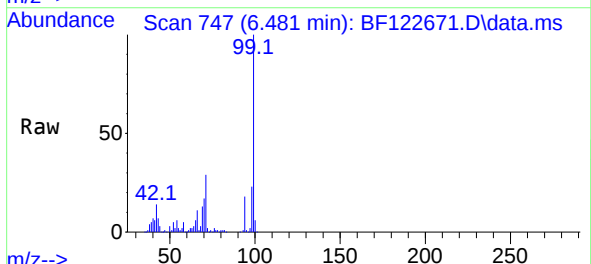
Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.8	20.6
71	33.0	26.9	40.3

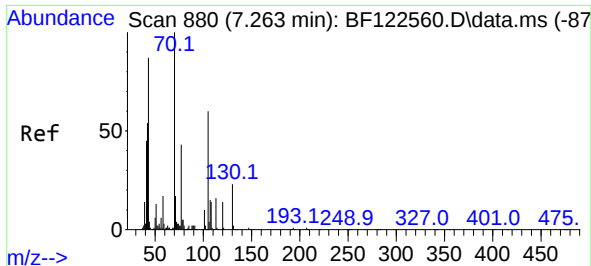


#10
Phenol
Concen: 2.29 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion: 94 Resp: 32050

Ion	Ratio	Lower	Upper
94	100		
65	33.1	11.2	51.2
66	57.7	25.8	65.8



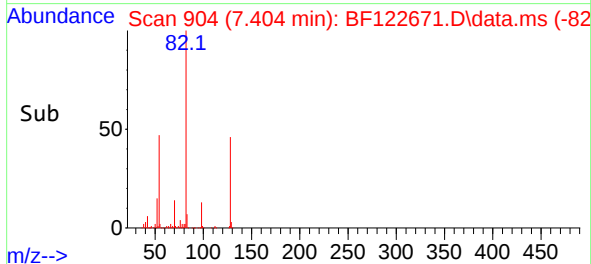
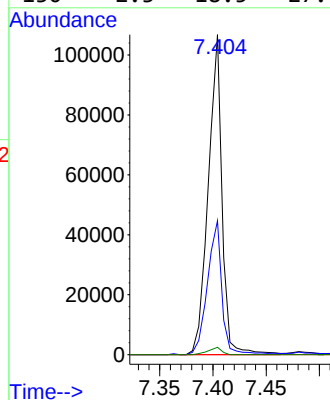
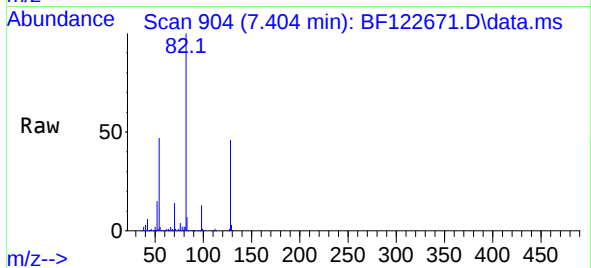


#19
n-Nitroso-di-n-propylamine
Concen: 12.51 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.141 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Instrument :
BNA_F
ClientSampleId :
PE-6

Tgt Ion: 70 Resp: 96967

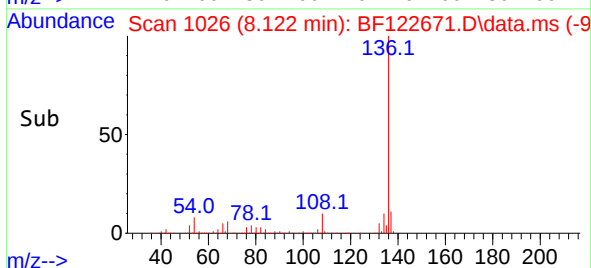
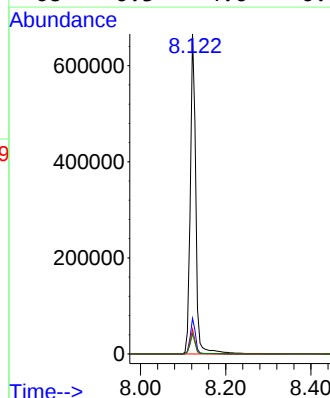
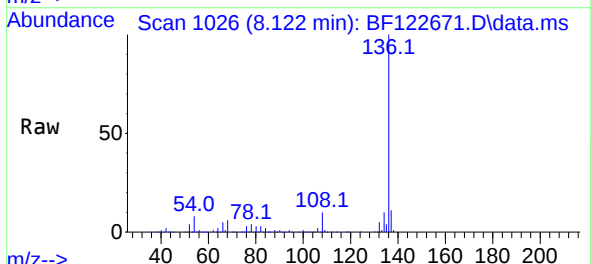
Ion	Ratio	Lower	Upper
70	100		
42	41.8	43.0	64.4#
101	0.0	7.9	11.9#
130	2.3	18.5	27.7#

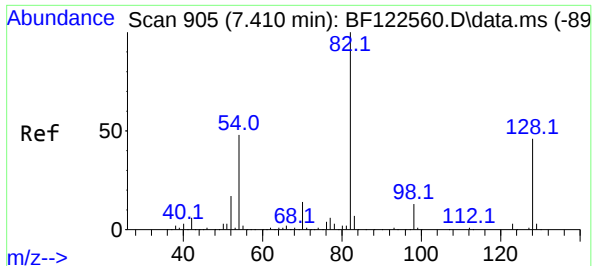


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion: 136 Resp: 597779

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.7	5.5	8.3
68	6.3	4.6	6.8





#23

Nitrobenzene-d5

Concen: 61.96 ng

RT: 7.404 min Scan# 904

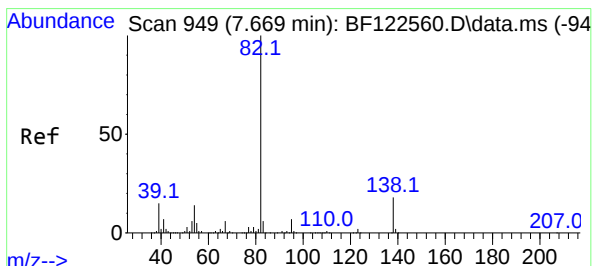
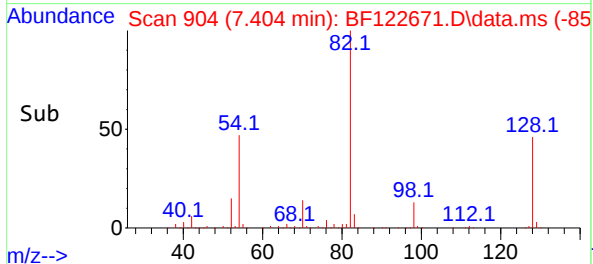
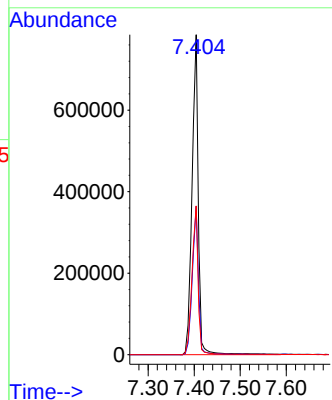
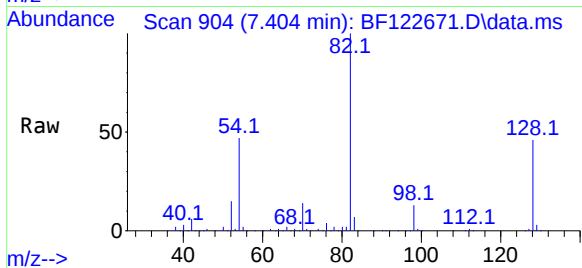
Delta R.T. -0.006 min

Lab File: BF122671.D

Acq: 11 Dec 2020 19:17

Tgt Ion: 82 Resp: 739263

Ion	Ratio	Lower	Upper
82	100		
128	46.4	37.0	55.4
54	46.5	38.4	57.6



#25

Isophorone

Concen: 35.97 ng

RT: 7.404 min Scan# 904

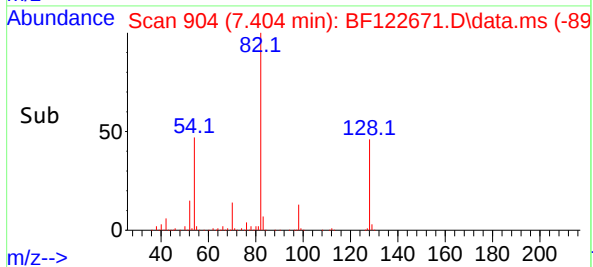
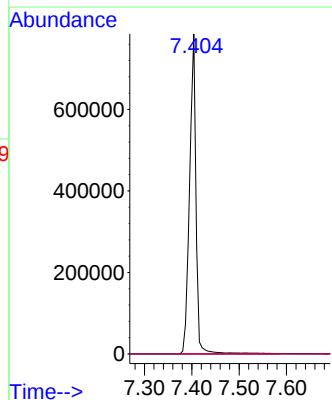
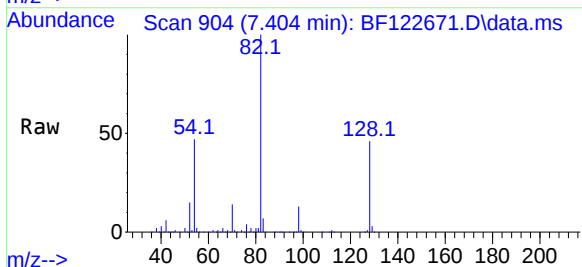
Delta R.T. -0.265 min

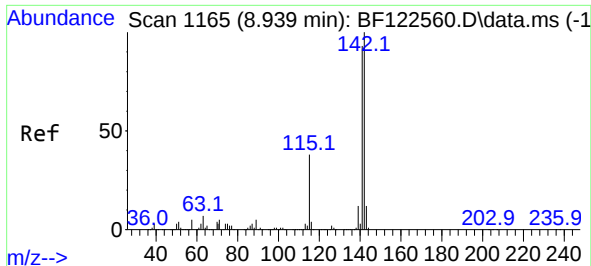
Lab File: BF122671.D

Acq: 11 Dec 2020 19:17

Tgt Ion: 82 Resp: 739258

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

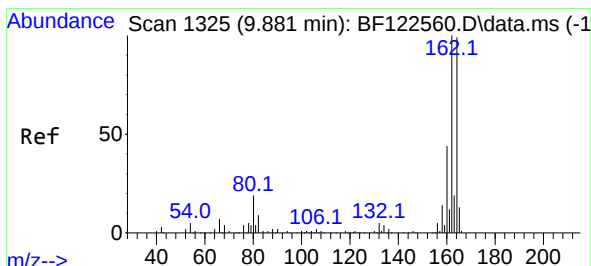
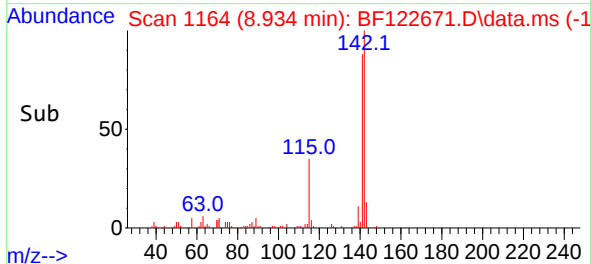
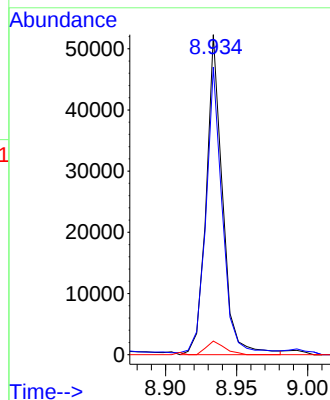
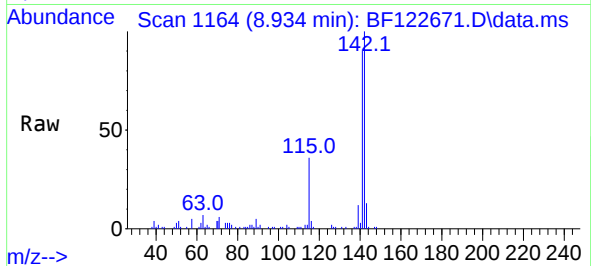




#38
1-Methylnaphthalene
Concen: 2.04 ng
RT: 8.934 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

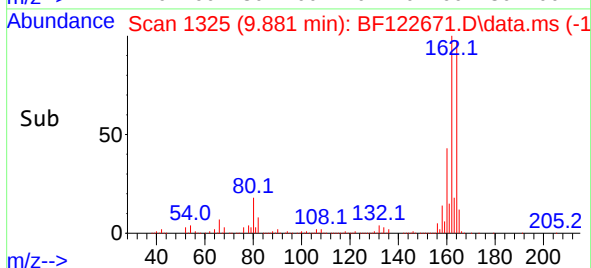
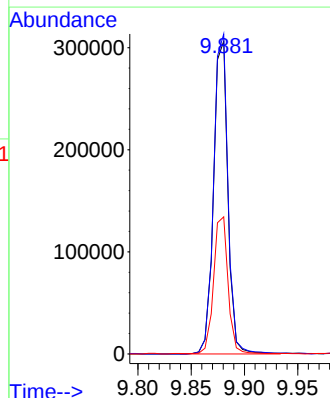
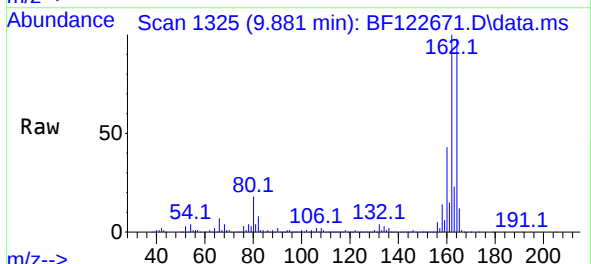
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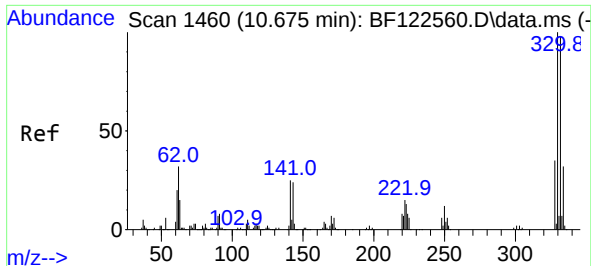
Tgt Ion:142 Resp: 42007
Ion Ratio Lower Upper
142 100
141 89.9 74.5 111.7
116 4.3 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:164 Resp: 286072
Ion Ratio Lower Upper
164 100
162 102.3 80.8 121.2
160 43.9 35.4 53.0

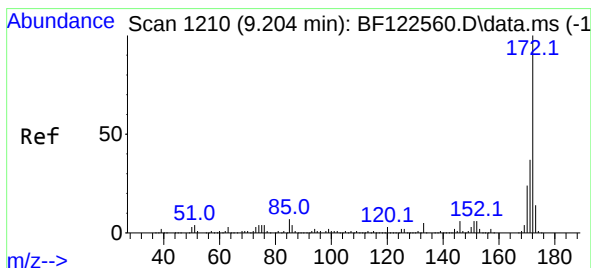
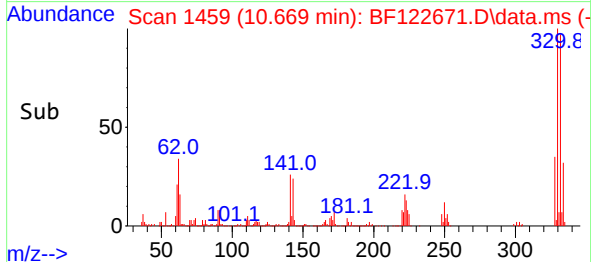
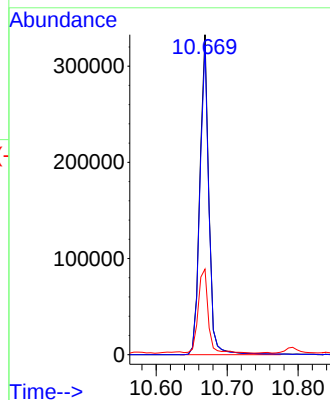
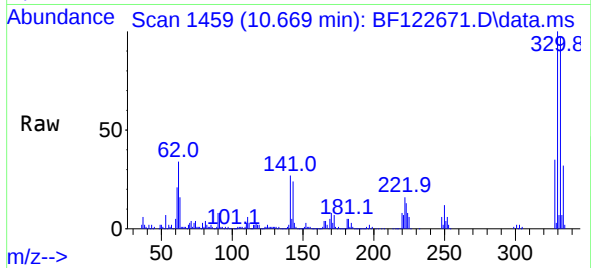




#42
2,4,6-Tribromophenol
Concen: 78.41 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

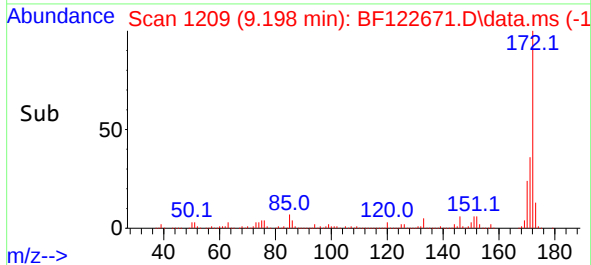
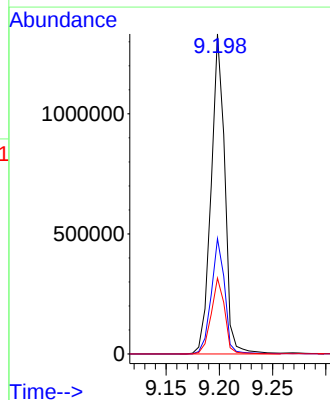
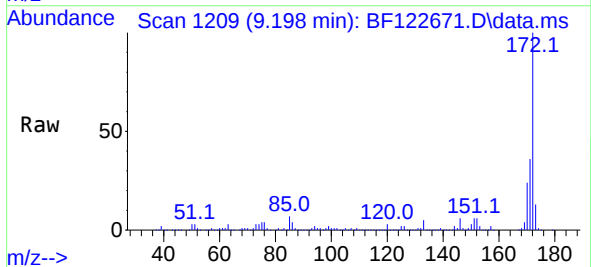
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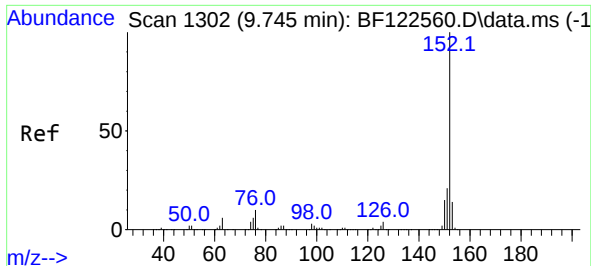
Tgt Ion: 330 Resp: 293621
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 29.2 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 56.45 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion: 172 Resp: 1193944
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.7 19.5 29.3

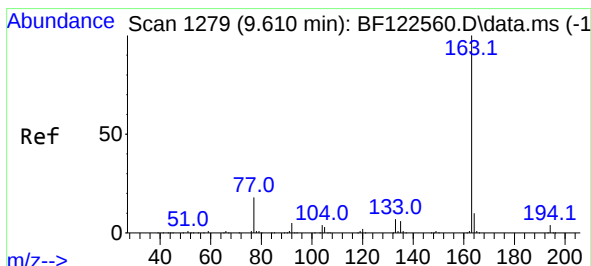
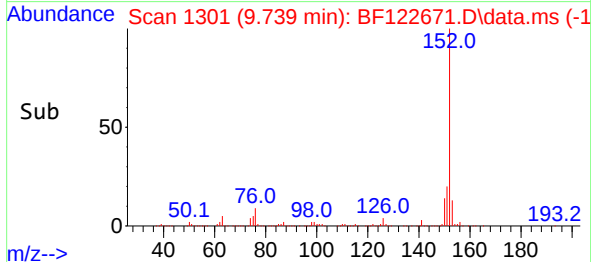
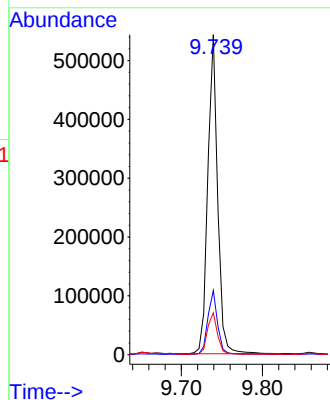
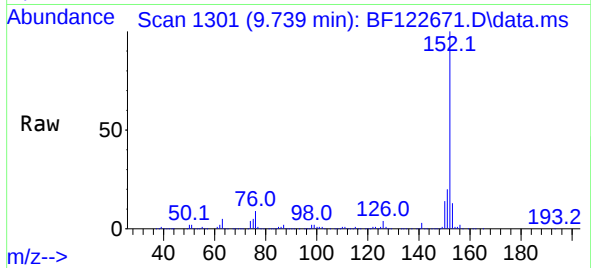




#49
Acenaphthylene
Concen: 15.66 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

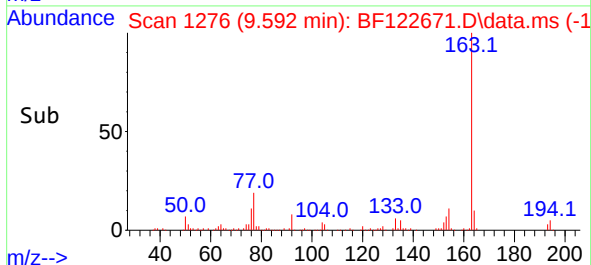
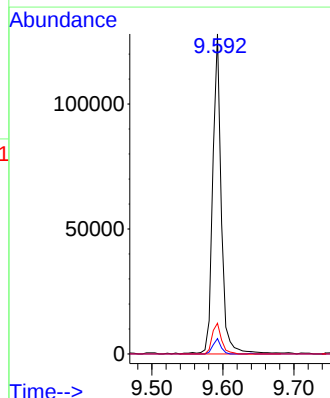
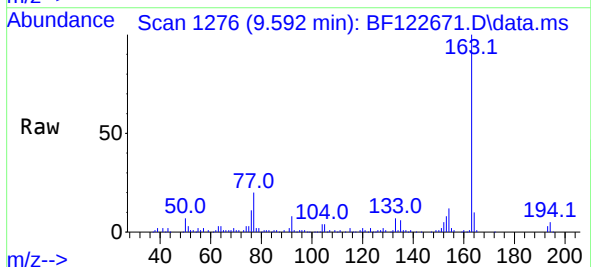
Instrument :
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ClientSampleId :
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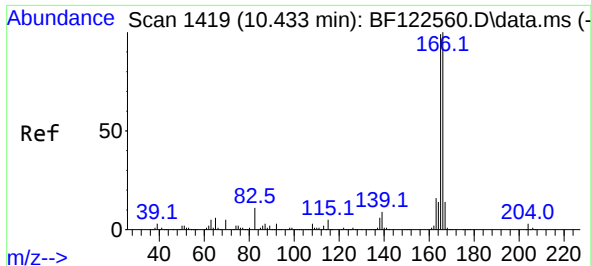
Tgt Ion:152 Resp: 455110
Ion Ratio Lower Upper
152 100
151 20.1 16.6 25.0
153 13.1 10.9 16.3



#50
Dimethylphthalate
Concen: 4.72 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:163 Resp: 107823
Ion Ratio Lower Upper
163 100
194 4.8 3.4 5.0
164 9.6 8.1 12.1

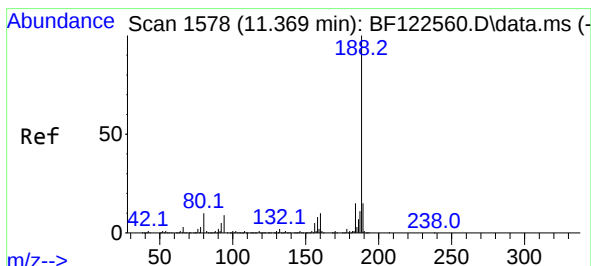
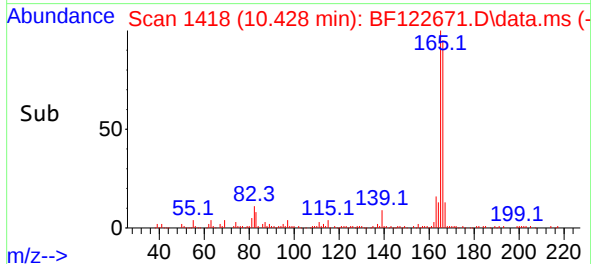
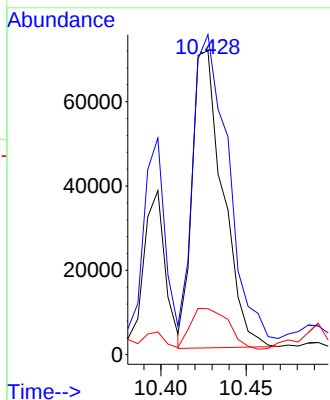
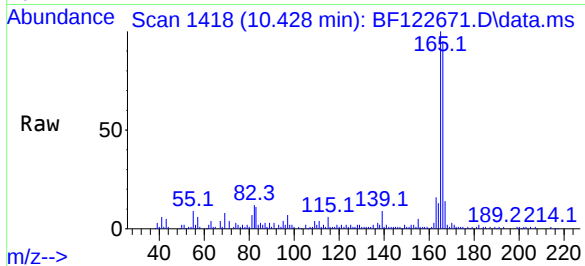




#58
Fluorene
Concen: 4.21 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.005 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

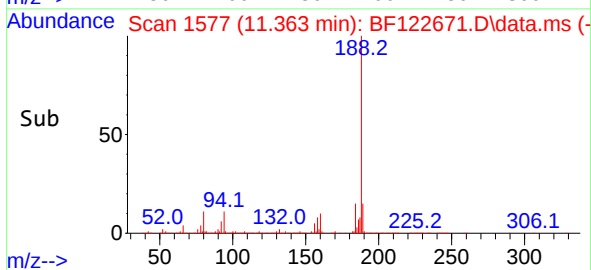
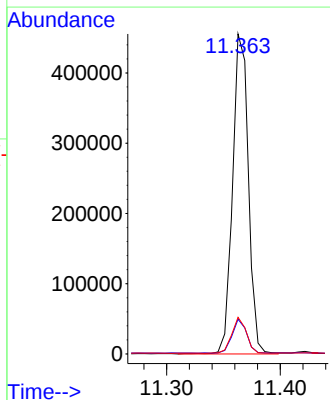
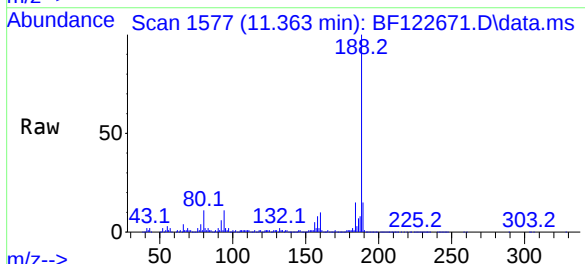
Instrument :
BNA_F
ClientSampled :
PE-6

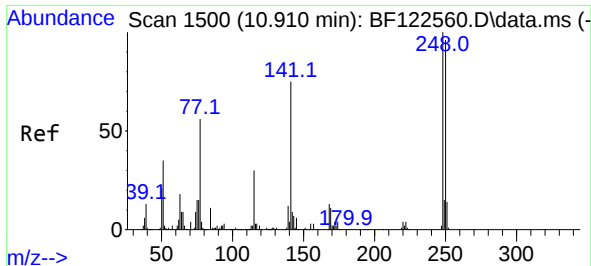
Tgt Ion:166 Resp: 88609
Ion Ratio Lower Upper
166 100
165 105.2 79.4 119.0
167 15.1 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:188 Resp: 438722
Ion Ratio Lower Upper
188 100
94 10.9 7.4 11.2
80 11.5 8.2 12.4

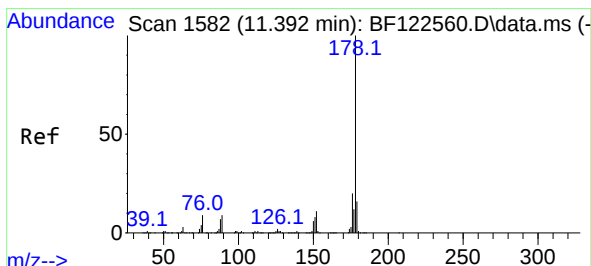
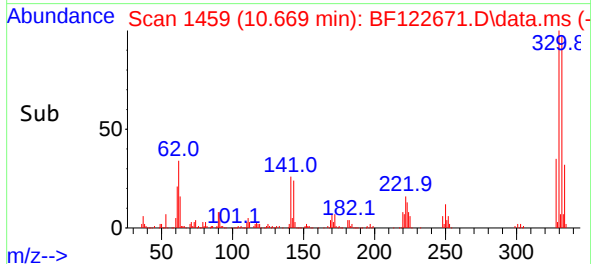
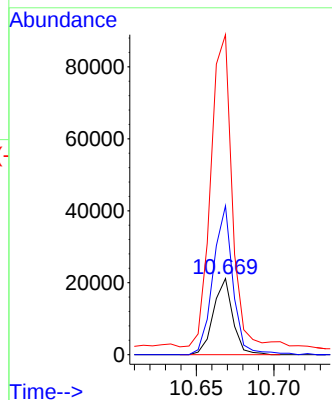
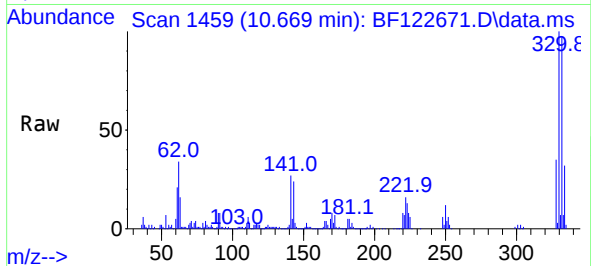




#67
4-Bromophenyl-phenylether
Concen: 3.09 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.241 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

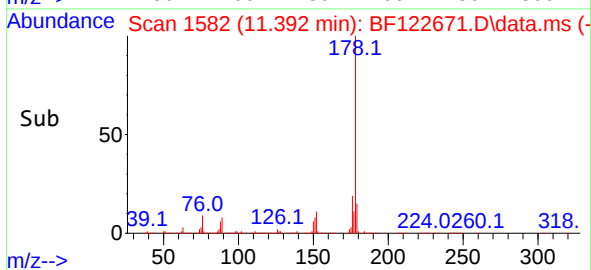
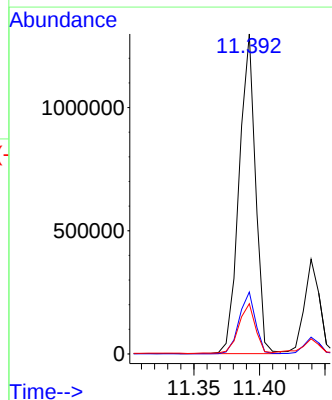
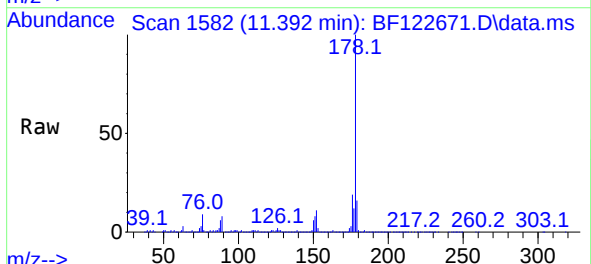
Instrument :
BNA_F
ClientSampled :
PE-6

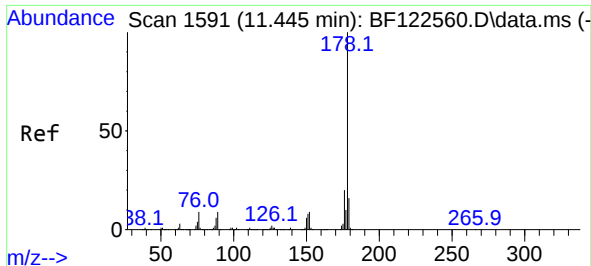
Tgt Ion:248 Resp: 18394
Ion Ratio Lower Upper
248 100
250 195.3 76.8 115.2#
141 420.0 59.8 89.8#



#71
Phenanthrene
Concen: 43.38 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:178 Resp: 1131051
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.7 12.7 19.1

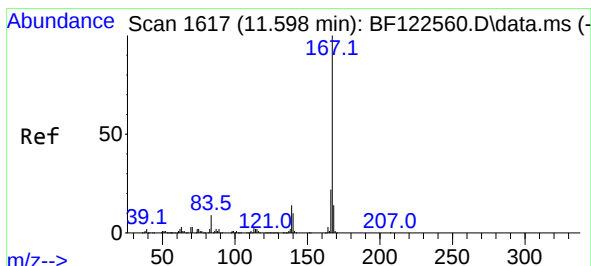
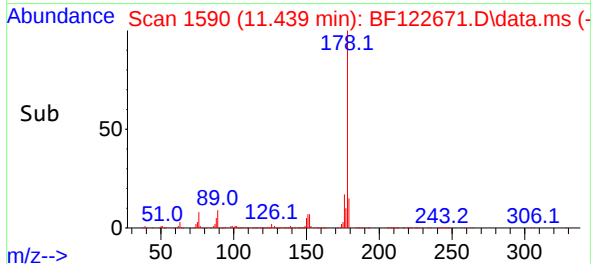
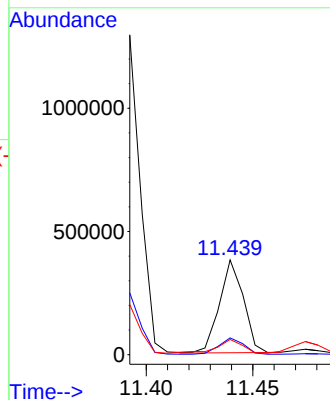
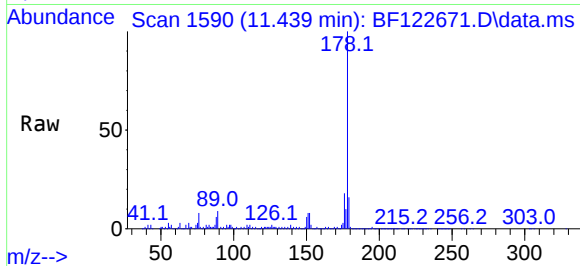




#72
 Anthracene
 Concen: 11.39 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: BF122671.D
 Acq: 11 Dec 2020 19:17

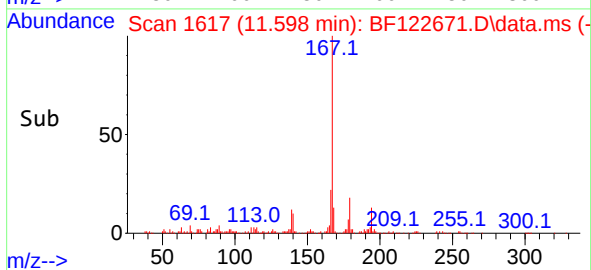
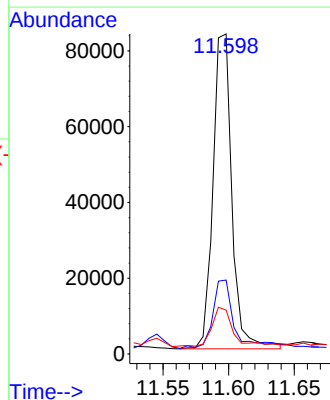
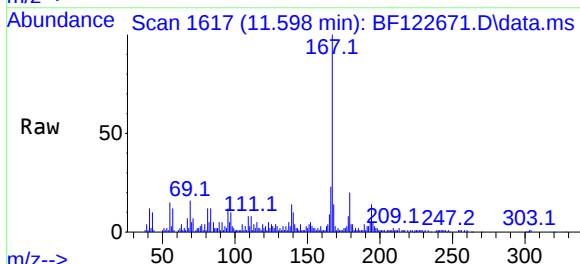
Instrument :
 BNA_F
 ClientSampleId :
 PE-6

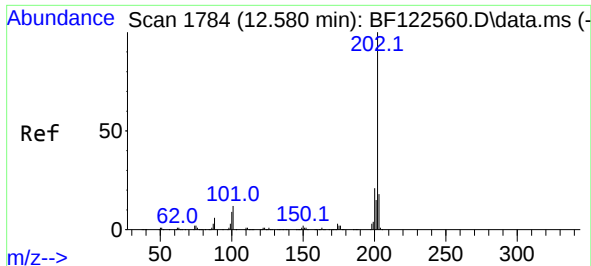
Tgt Ion:178 Resp: 294450
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.6 23.4
 179 16.1 12.8 19.2



#73
 Carbazole
 Concen: 3.55 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. 0.000 min
 Lab File: BF122671.D
 Acq: 11 Dec 2020 19:17

Tgt Ion:167 Resp: 83255
 Ion Ratio Lower Upper
 167 100
 166 23.1 18.0 27.0
 139 13.7 10.9 16.3

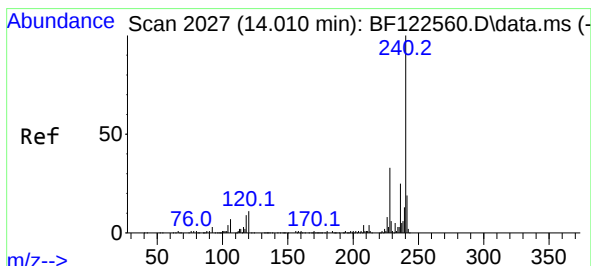
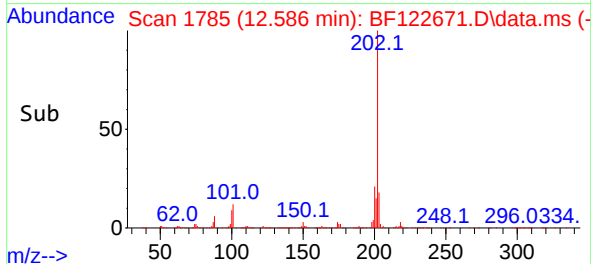
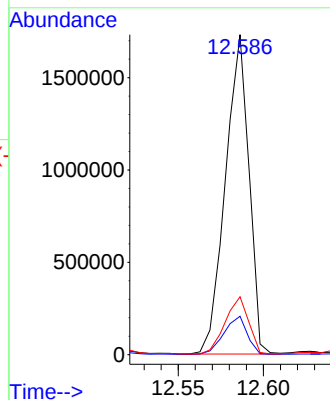
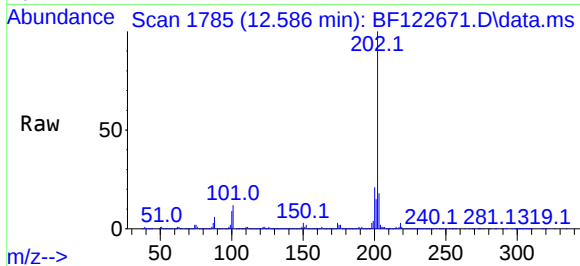




#75
Fluoranthene
Concen: 60.79 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

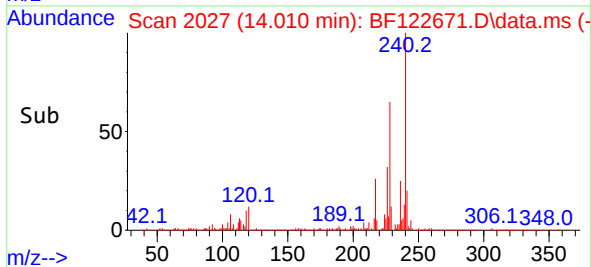
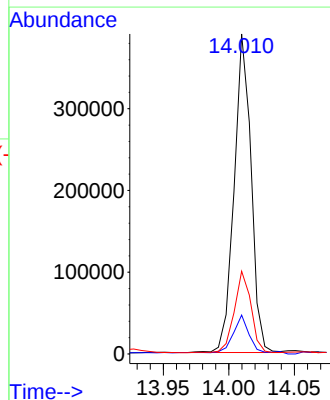
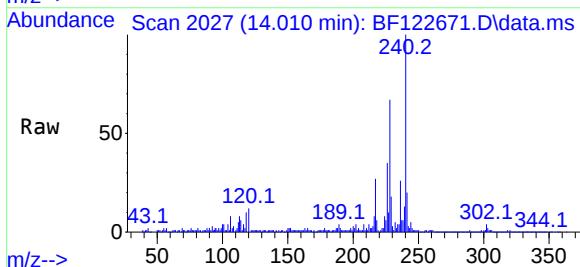
Instrument :
BNA_F
ClientSampled :
PE-6

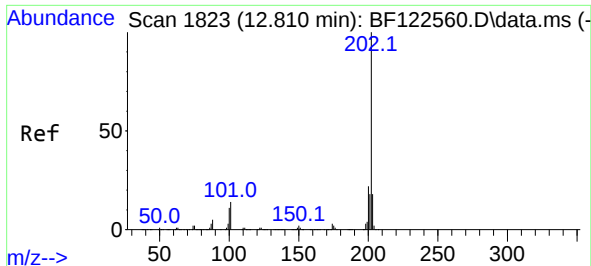
Tgt Ion:202 Resp: 1662094
Ion Ratio Lower Upper
202 100
101 12.0 0.0 32.2
203 18.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:240 Resp: 351137
Ion Ratio Lower Upper
240 100
120 12.1 8.6 12.8
236 25.9 20.3 30.5



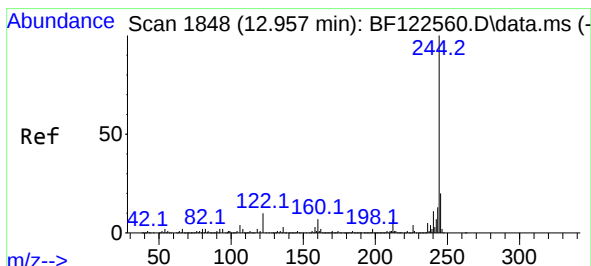
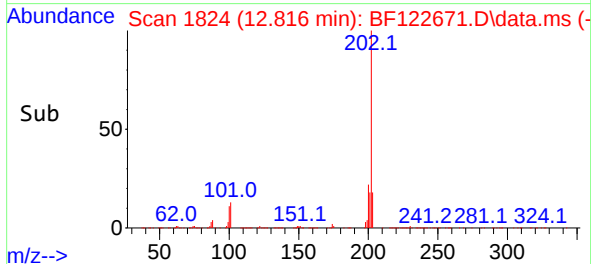
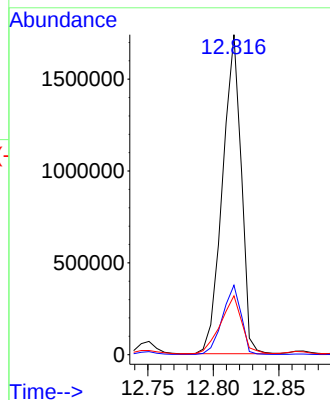
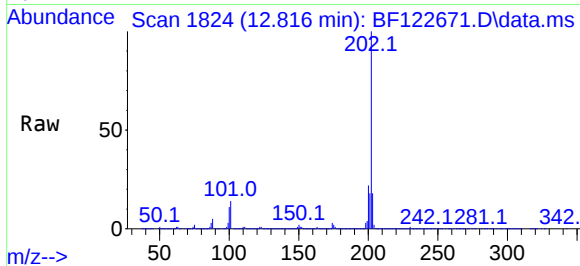


#78
Pyrene
Concen: 63.37 ng
RT: 12.816 min Scan# 1824
Delta R.T. 0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Instrument :
BNA_F
ClientSampleId :
PE-6

Tgt Ion:202 Resp: 1720275

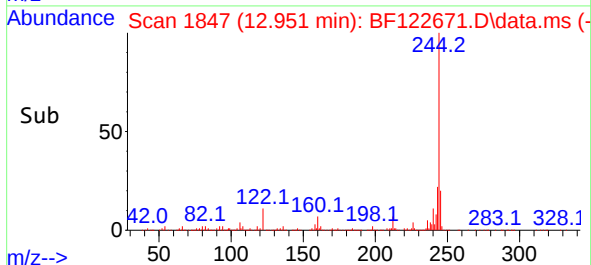
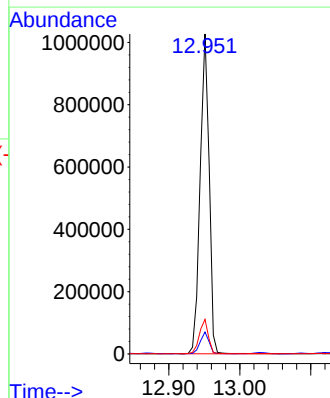
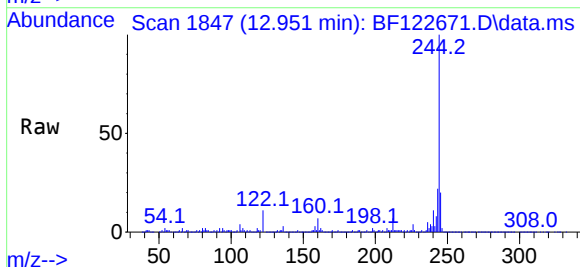
Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	18.4	14.6	21.8

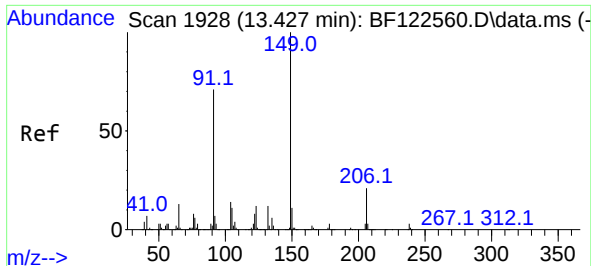


#79
Terphenyl-d14
Concen: 45.19 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:244 Resp: 906411

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.8	8.3	12.5

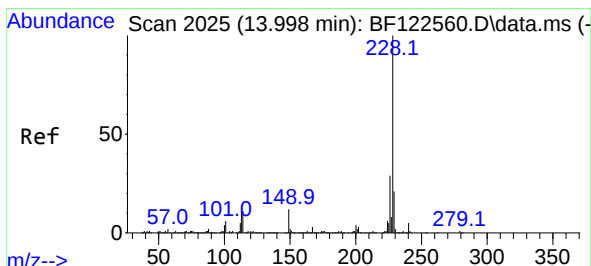
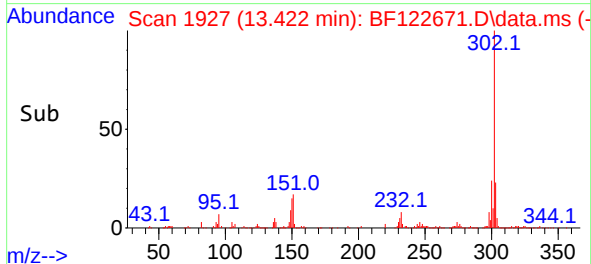
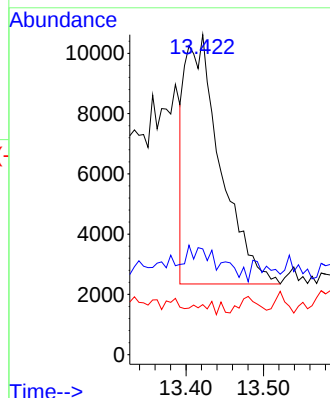
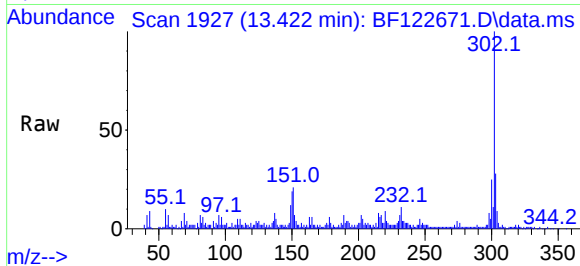




#80
Butylbenzylphthalate
Concen: 2.14 ng
RT: 13.422 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

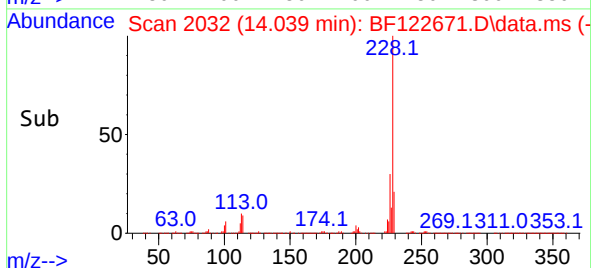
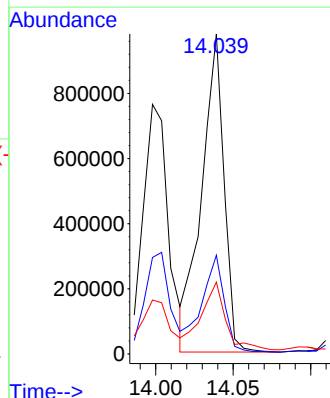
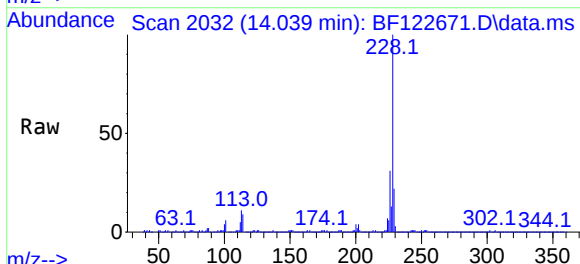
Instrument :
BNA_F
ClientSampleId :
PE-6

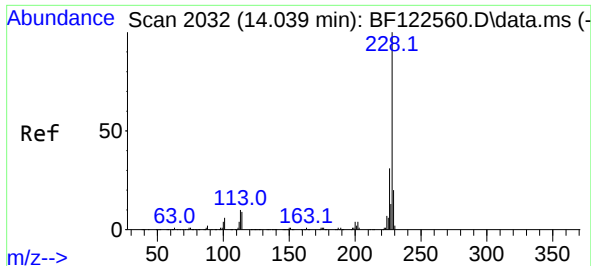
Tgt Ion:149 Resp: 26230
Ion Ratio Lower Upper
149 100
91 33.1 56.5 84.7#
206 15.7 17.0 25.6#



#81
Benzo(a)anthracene
Concen: 41.87 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.041 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:228 Resp: 982459
Ion Ratio Lower Upper
228 100
226 30.8 23.0 34.4
229 22.4 16.6 24.8

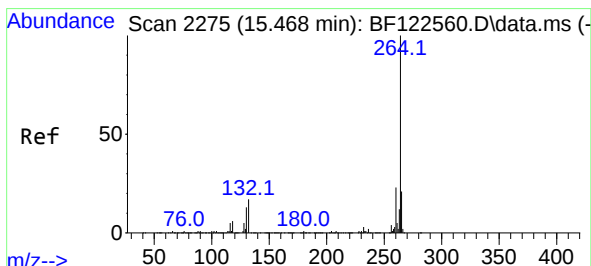
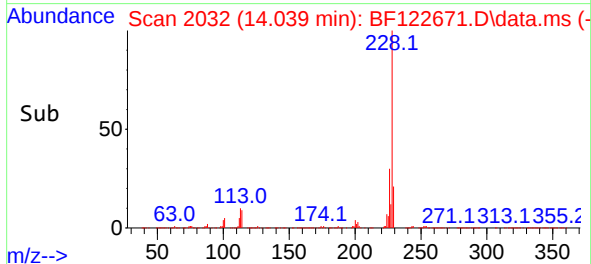
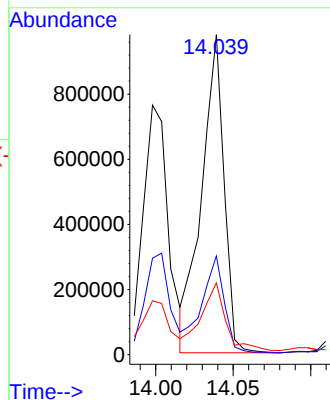
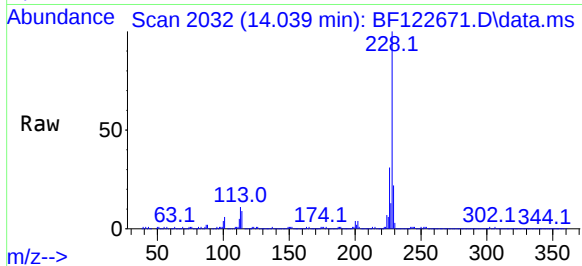




#83
Chrysene
Concen: 42.07 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

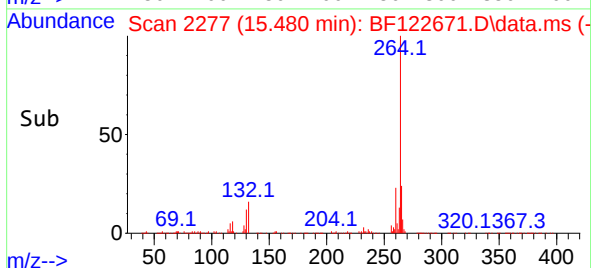
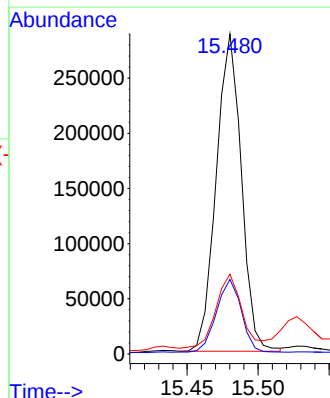
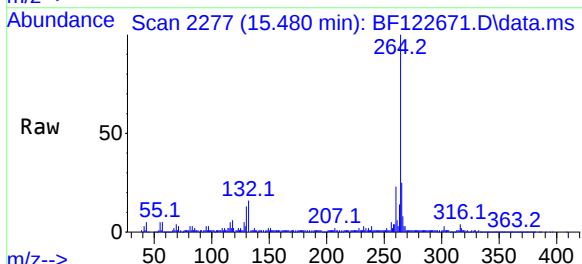
Instrument :
BNA_F
ClientSampleId :
PE-6

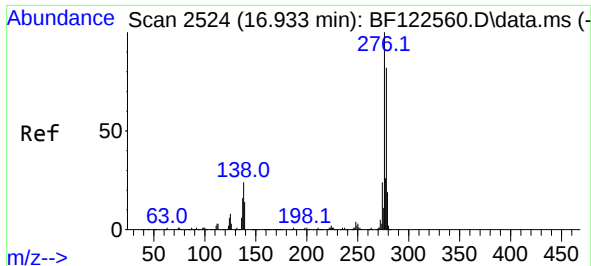
Tgt Ion:	228	Resp:	982459
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.6	36.8
229	22.4	15.8	23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:	264	Resp:	352965
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.6	28.0
265	25.0	17.0	25.6

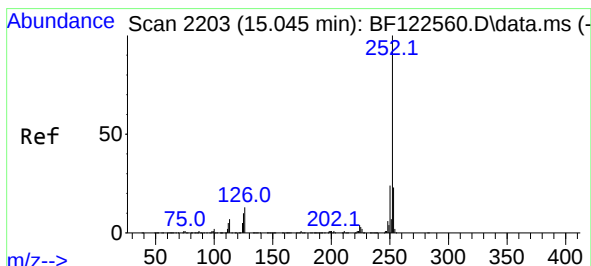
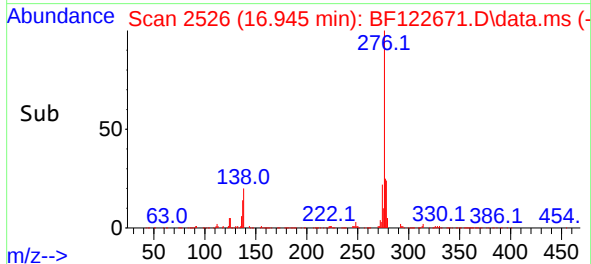
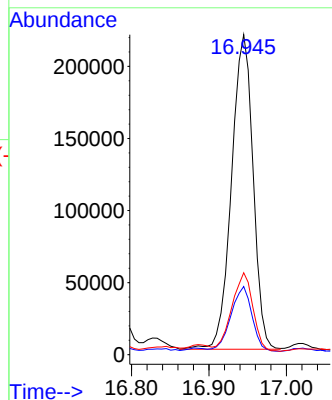
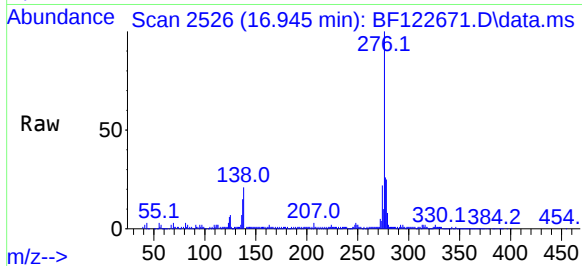




#87
Indeno(1,2,3-cd)pyrene
Concen: 18.25 ng
RT: 16.945 min Scan# 2526
Delta R.T. 0.012 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

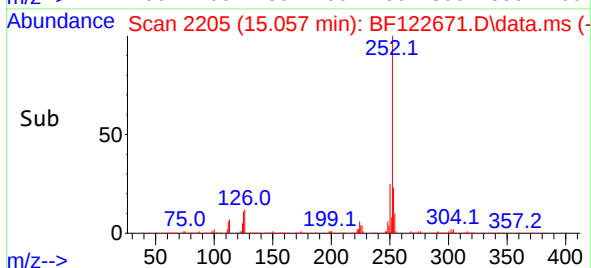
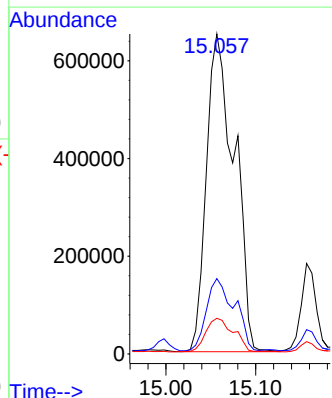
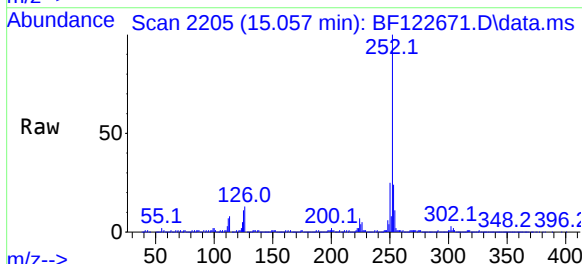
Instrument :
BNA_F
ClientSampleId :
PE-6

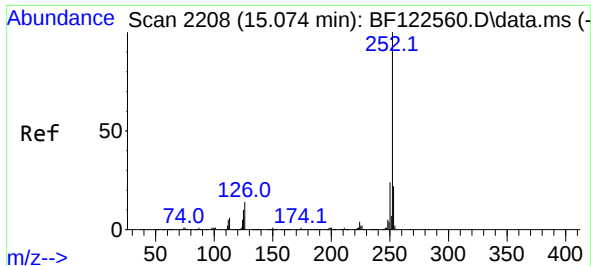
Tgt Ion:276 Resp: 422816
Ion Ratio Lower Upper
276 100
138 20.2 18.7 28.1
277 24.5 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 56.96 ng
RT: 15.057 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:252 Resp: 1410646
Ion Ratio Lower Upper
252 100
253 23.5 18.3 27.5
125 11.2 8.1 12.1

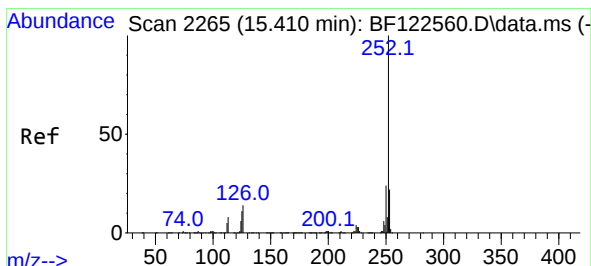
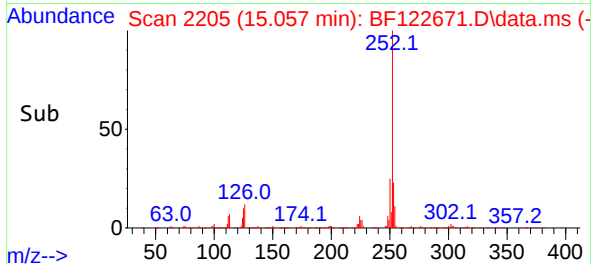
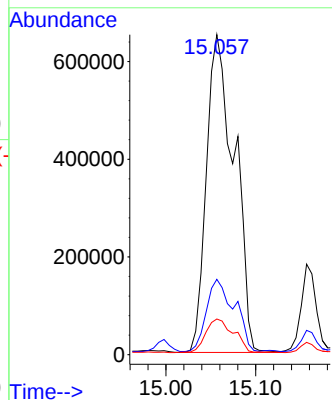
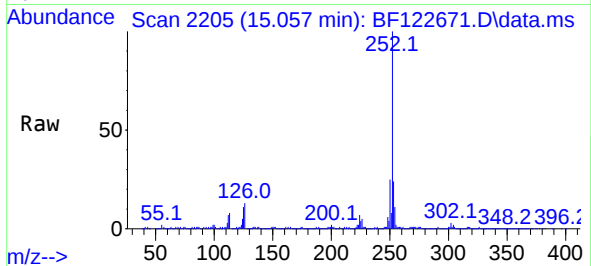




#89
Benzo(k)fluoranthene
Concen: 62.30 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.018 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

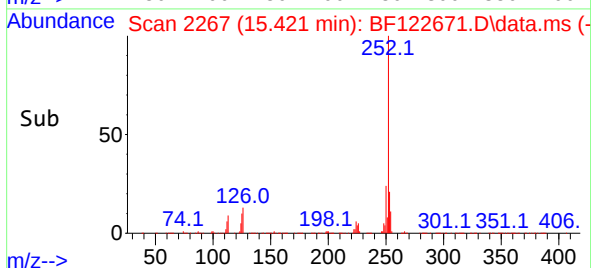
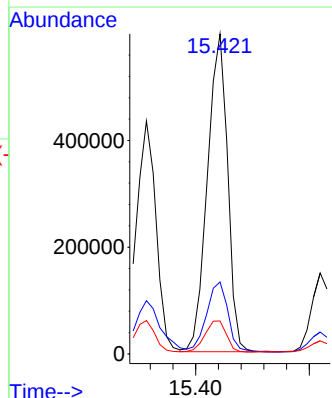
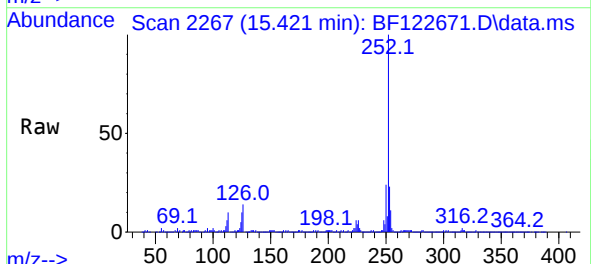
Instrument :
BNA_F
ClientSampleId :
PE-6

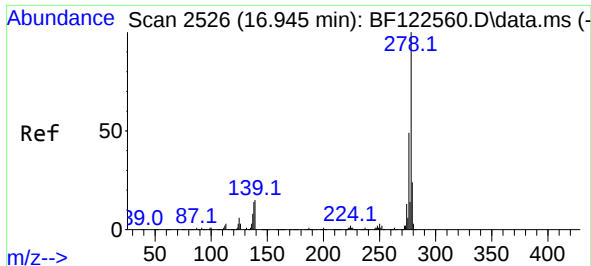
Tgt Ion:252 Resp: 1410646
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.2 8.4 12.6



#90
Benzo(a)pyrene
Concen: 33.90 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:252 Resp: 734413
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.3 8.6 12.8

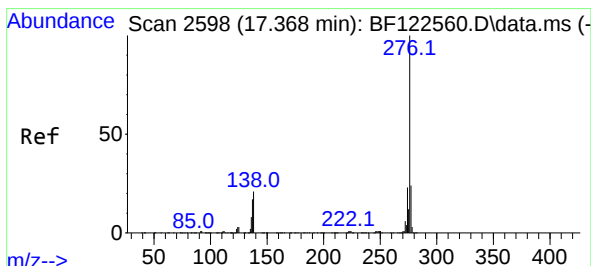
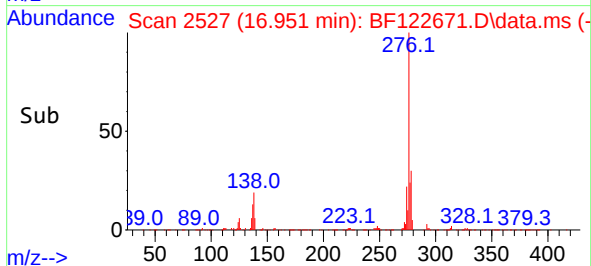
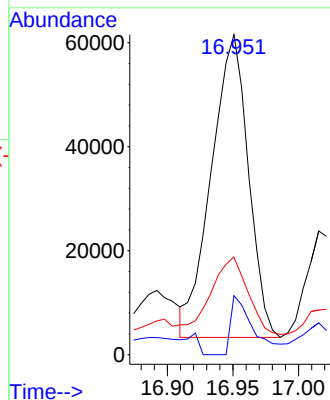
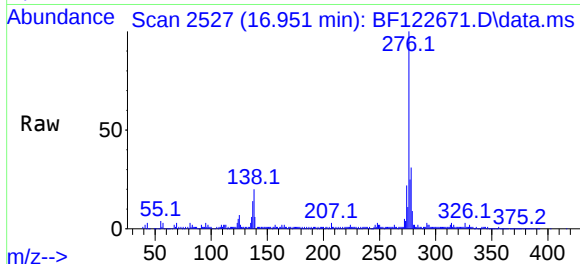




#91
Dibenzo(a,h)anthracene
Concen: 6.02 ng
RT: 16.951 min Scan# 2527
Delta R.T. 0.006 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Instrument :
BNA_F
ClientSampled :
PE-6

Tgt Ion:278 Resp: 114136
Ion Ratio Lower Upper
278 100
139 18.4 12.0 18.0#
279 30.5 19.4 29.2#



#92
Benzo(g,h,i)perylene
Concen: 21.95 ng
RT: 17.386 min Scan# 2601
Delta R.T. 0.018 min
Lab File: BF122671.D
Acq: 11 Dec 2020 19:17

Tgt Ion:276 Resp: 402859
Ion Ratio Lower Upper
276 100
277 24.7 19.3 28.9
138 21.2 16.6 24.8

