

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121420\
 Data File : BF122714.D
 Acq On : 14 Dec 2020 19:30
 Operator : JU/CG
 Sample : L5035-01DL 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-7DL

Quant Time: Dec 14 23:54:30 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)

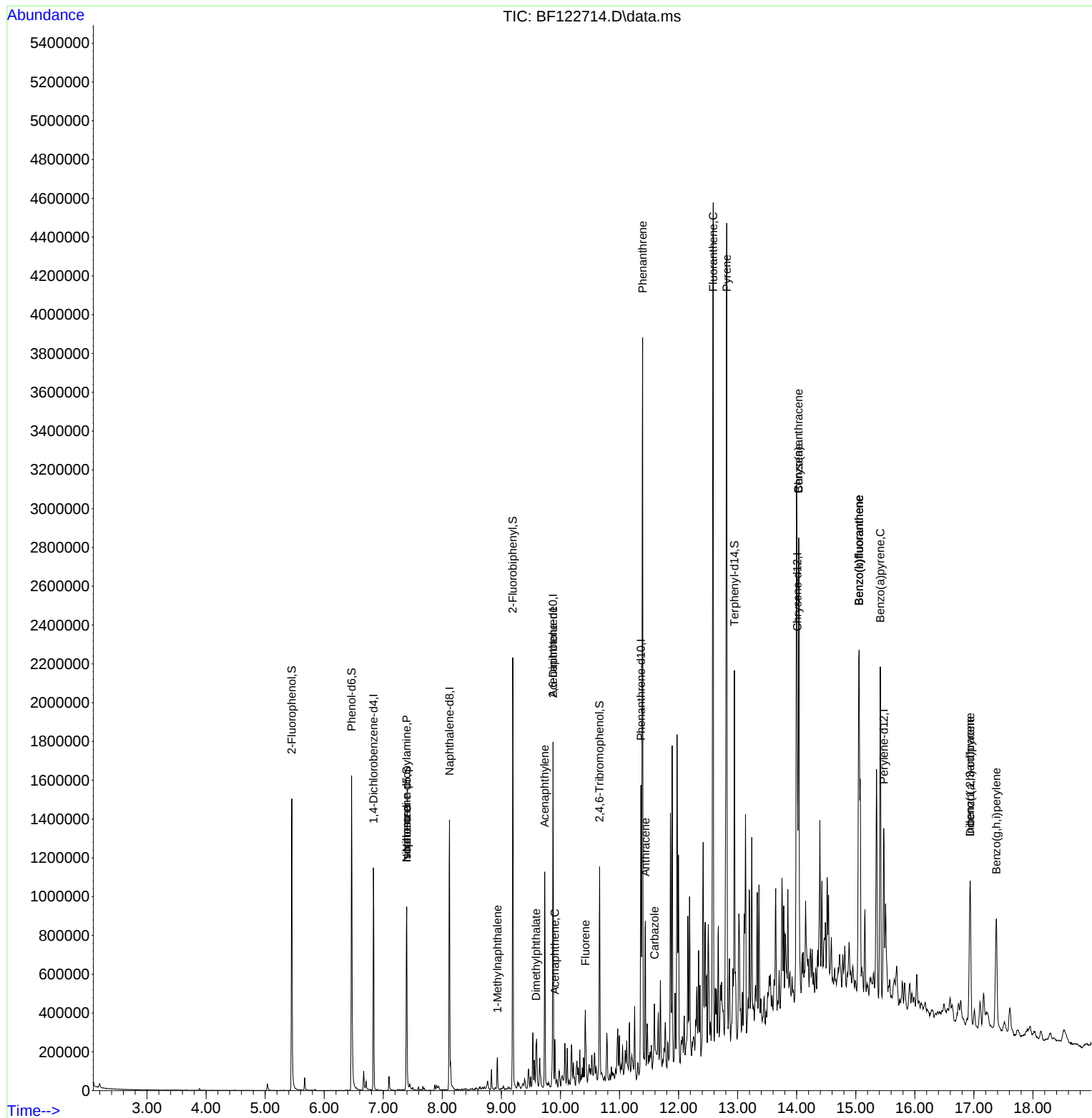
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.833	152	168904	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	663725	20.00	ng	0.00
39) Acenaphthene-d10	9.874	164	340445	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	567064	20.00	ng	0.00
76) Chrysene-d12	14.009	240	375489	20.00	ng	0.00
86) Perylene-d12	15.474	264	416084	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	468287	43.89	ng	0.00
7) Phenol-d6	6.463	99	600257	42.42	ng	-0.02
23) Nitrobenzene-d5	7.398	82	326747	24.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	130108	29.20	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	687213	27.30	ng	-0.01
79) Terphenyl-d14	12.945	244	547928	25.54	ng	-0.01
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.398	70	42126	5.20	ng	# 76
25) Isophorone	7.398	82	324343	14.22	ng	# 65
38) 1-Methylnaphthalene	8.933	142	47962	2.09	ng	96
49) Acenaphthylene	9.733	152	433917	12.55	ng	99
50) Dimethylphthalate	9.586	163	70867	2.61	ng	99
51) 2,6-Dinitrotoluene	9.874	165	48763	8.49	ng	# 31
52) Acenaphthene	9.904	154	47128	2.11	ng	98
58) Fluorene	10.421	166	115516	4.62	ng	99
71) Phenanthrene	11.392	178	1505016	44.66	ng	99
72) Anthracene	11.439	178	316842	9.48	ng	98
73) Carbazole	11.592	167	112476	3.71	ng	98
75) Fluoranthene	12.586	202	1977704	55.96	ng	99
78) Pyrene	12.815	202	1939905	66.82	ng	99
81) Benzo(a)anthracene	14.033	228	963224	38.38	ng	97
83) Chrysene	14.033	228	963224	38.57	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	507987	18.60	ng	96
88) Benzo(b)fluoranthene	15.056	252	1511379	51.77	ng	99
89) Benzo(k)fluoranthene	15.056	252	1511379	56.62	ng	99
90) Benzo(a)pyrene	15.415	252	822375	32.20	ng	98
91) Dibenzo(a,h)anthracene	16.939	278	137052	6.13	ng	# 81
92) Benzo(g,h,i)perylene	17.380	276	477746	22.08	ng	100

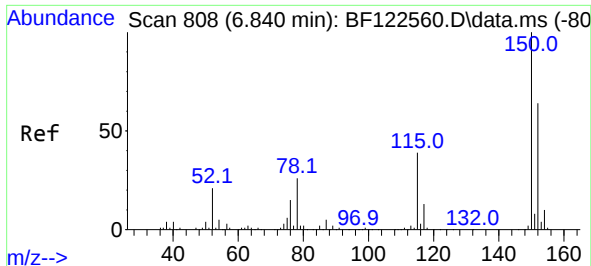
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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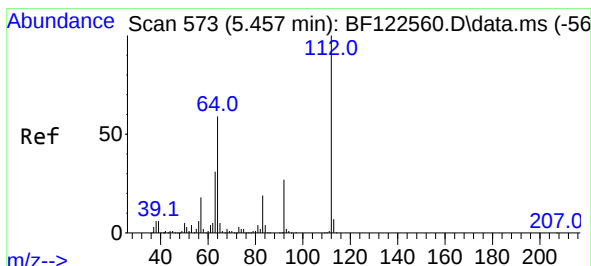
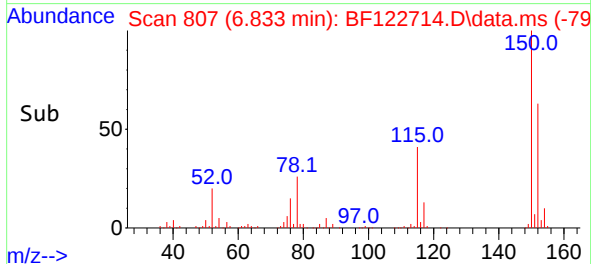
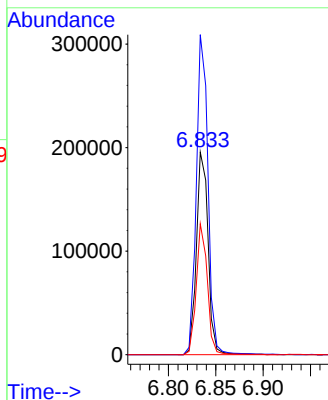
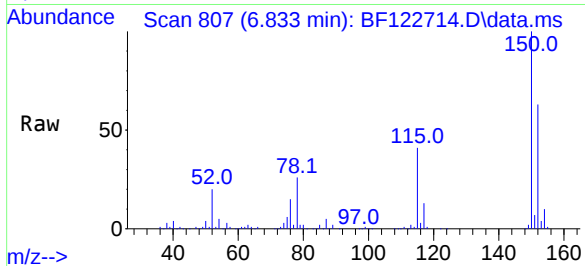


#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.833 min Scan# 807
Delta R.T. -0.007 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Instrument :
BNA_F
ClientSampleId :
PE-7DL

Tgt Ion:152 Resp: 168904

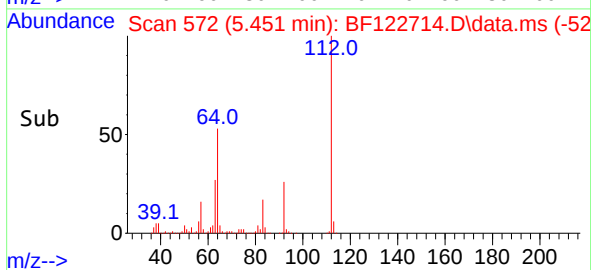
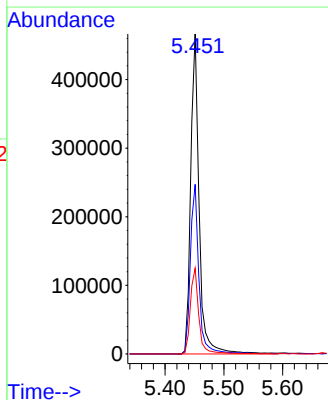
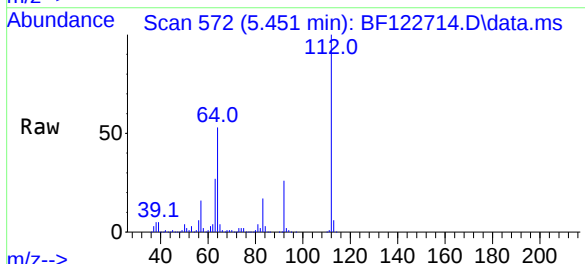
Ion	Ratio	Lower	Upper
152	100		
150	158.0	125.8	188.6
115	64.6	49.3	73.9

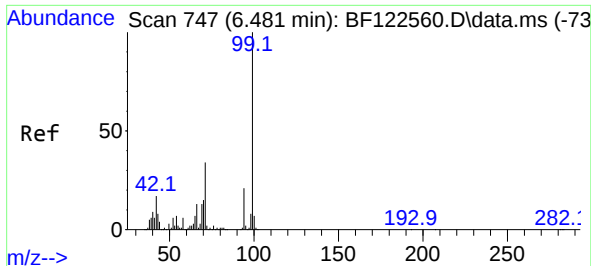


#5
2-Fluorophenol
Concen: 43.89 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:112 Resp: 468287

Ion	Ratio	Lower	Upper
112	100		
64	53.0	46.9	70.3
63	26.8	24.5	36.7



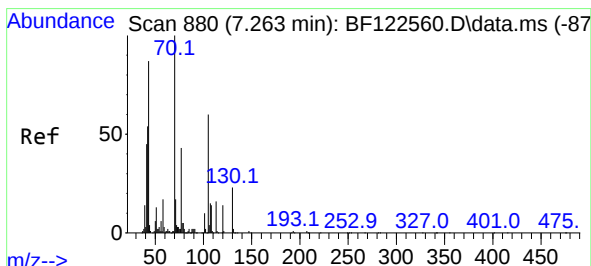
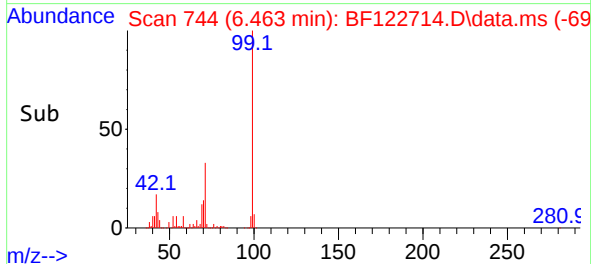
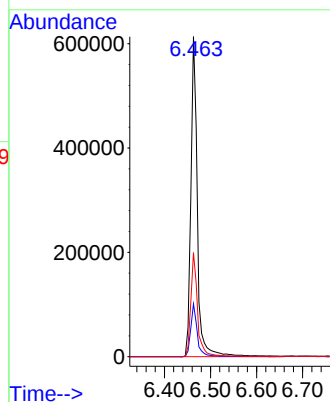
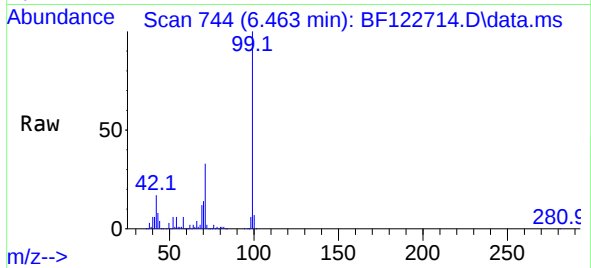


#7
Phenol-d6
Concen: 42.42 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Instrument :
BNA_F
ClientSampleId :
PE-7DL

Tgt Ion: 99 Resp: 600257

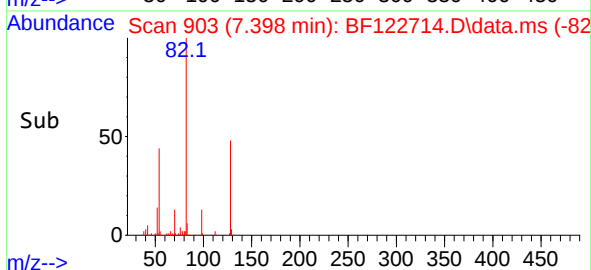
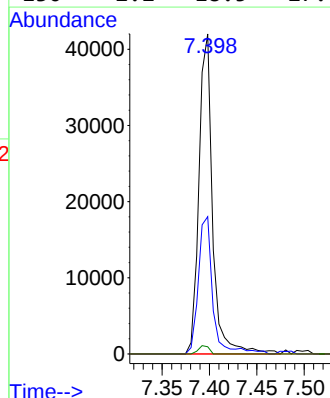
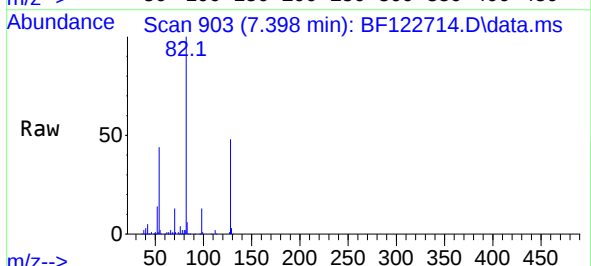
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.8	20.6
71	32.5	26.9	40.3

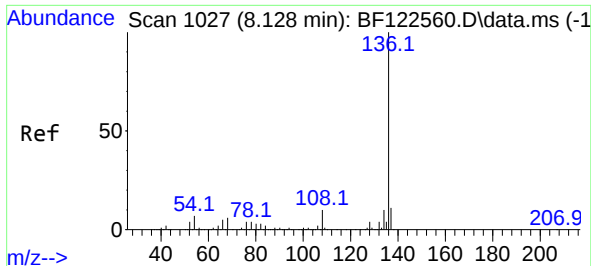


#19
n-Nitroso-di-n-propylamine
Concen: 5.20 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.135 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion: 70 Resp: 42126

Ion	Ratio	Lower	Upper
70	100		
42	42.9	43.0	64.4#
101	0.0	7.9	11.9#
130	2.2	18.5	27.7#



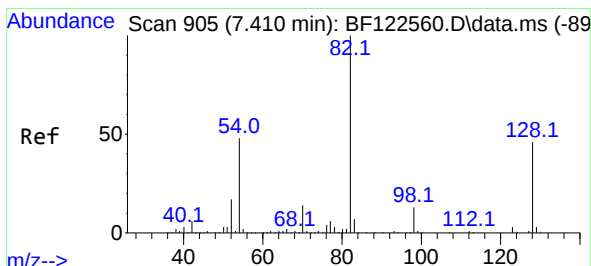
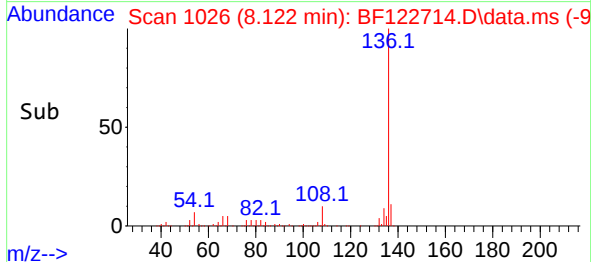
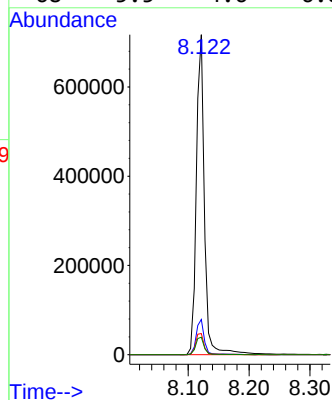
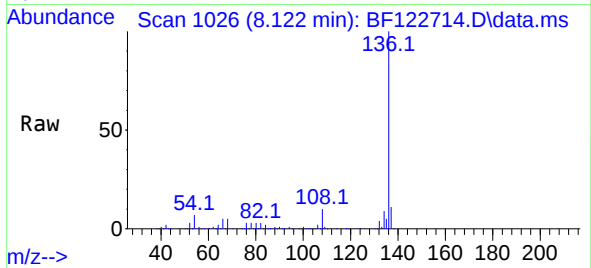


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Instrument :
BNA_F
ClientSampleId :
PE-7DL

Tgt Ion:136 Resp: 663725

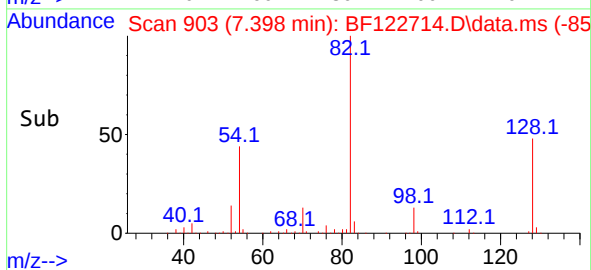
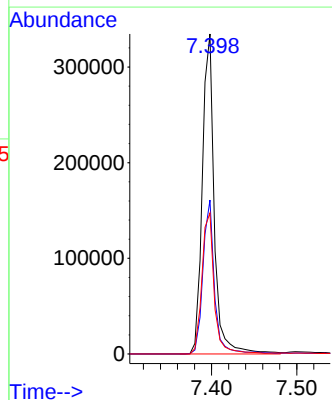
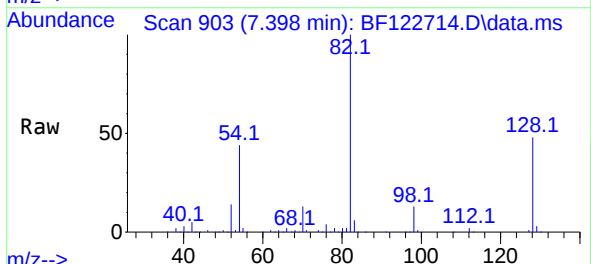
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.6	5.5	8.3
68	5.5	4.6	6.8

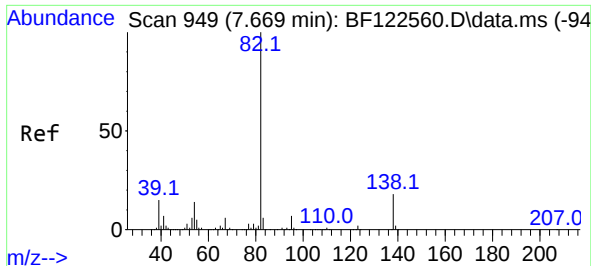


#23
Nitrobenzene-d5
Concen: 24.66 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion: 82 Resp: 326747

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.0	55.4
54	44.0	38.4	57.6

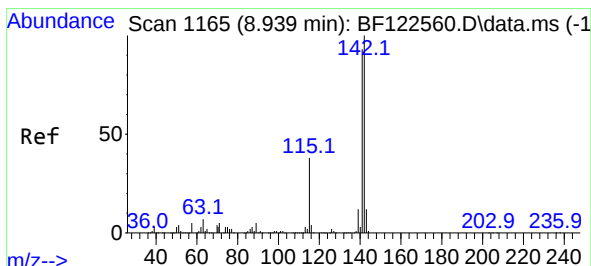
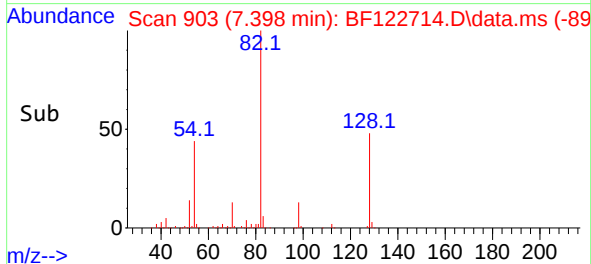
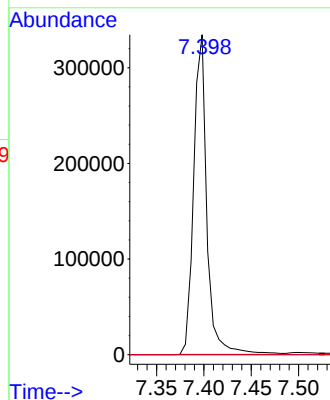
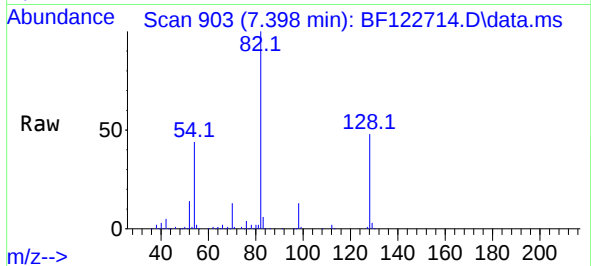




#25
Isophorone
Concen: 14.22 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.271 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

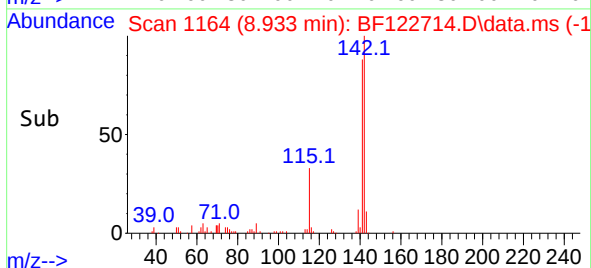
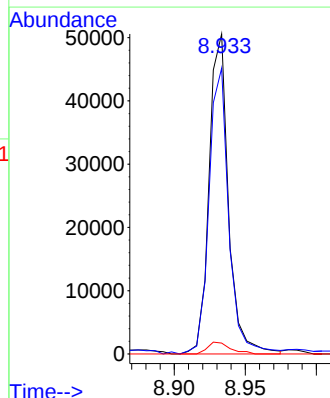
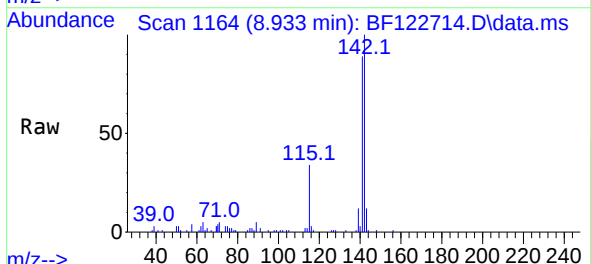
Instrument :
BNA_F
ClientSampleId :
PE-7DL

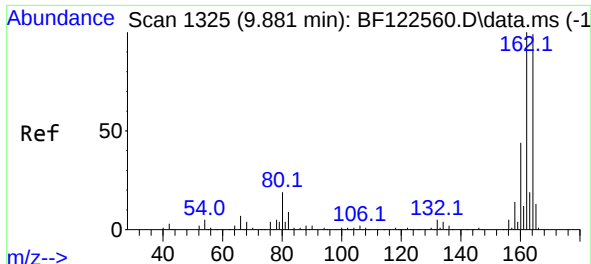
Tgt Ion: 82 Resp: 324343
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#38
1-Methylnaphthalene
Concen: 2.09 ng
RT: 8.933 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion: 142 Resp: 47962
Ion Ratio Lower Upper
142 100
141 89.3 74.5 111.7
116 3.4 3.2 4.8

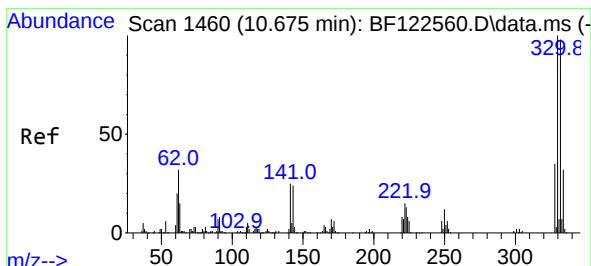
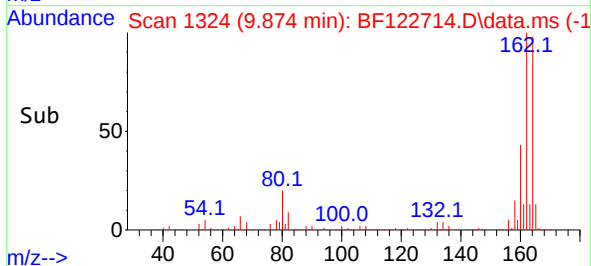
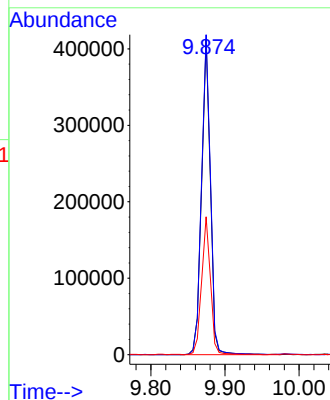
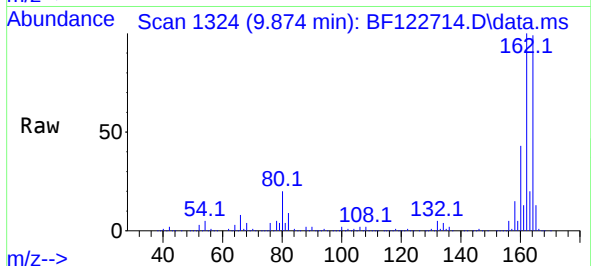




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.007 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

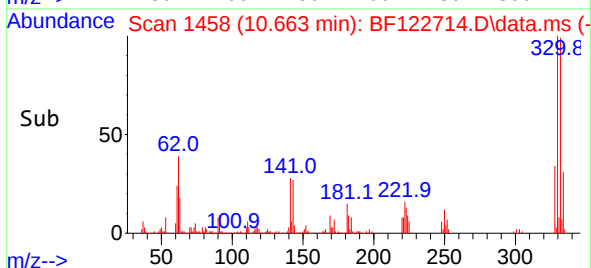
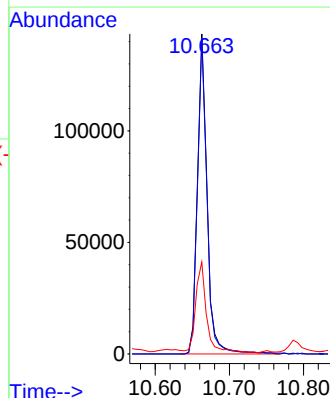
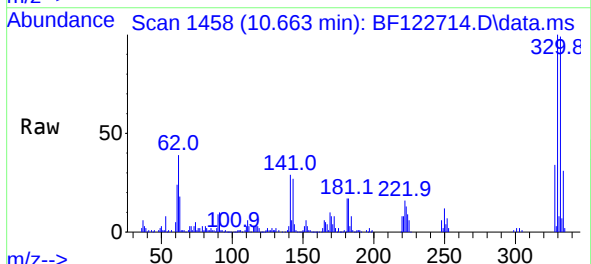
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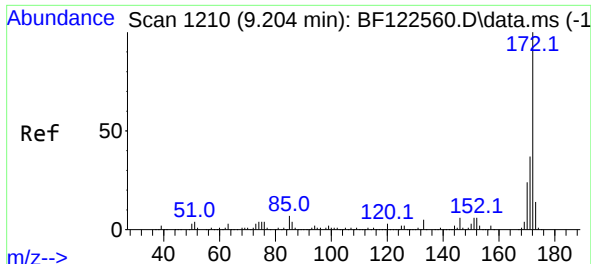
Tgt Ion:164 Resp: 340445
Ion Ratio Lower Upper
164 100
162 101.3 80.8 121.2
160 43.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 29.20 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:330 Resp: 130108
Ion Ratio Lower Upper
330 100
332 97.4 77.5 116.3
141 31.4 23.8 35.8

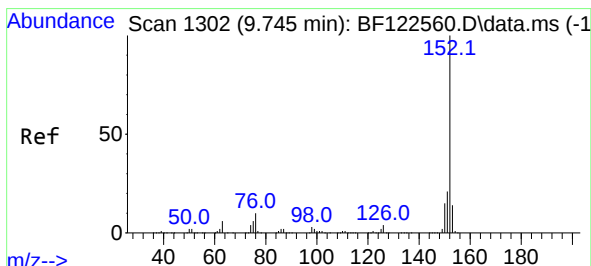
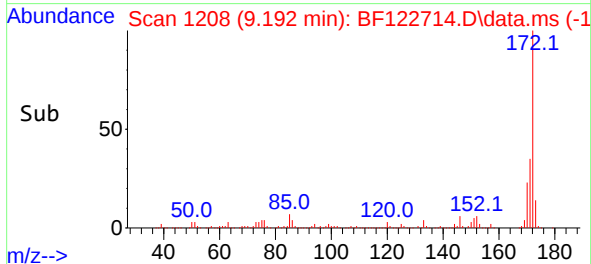
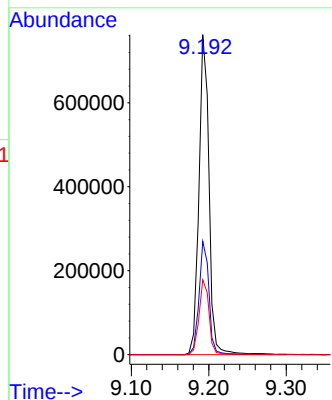
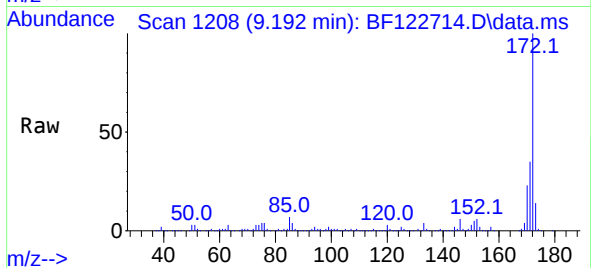




#45
2-Fluorobiphenyl
Concen: 27.30 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

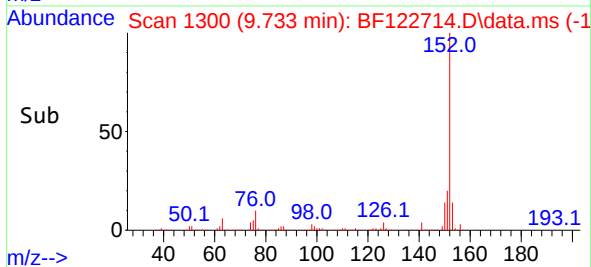
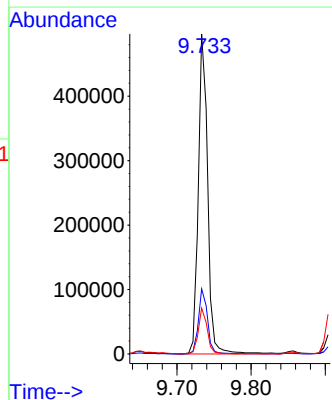
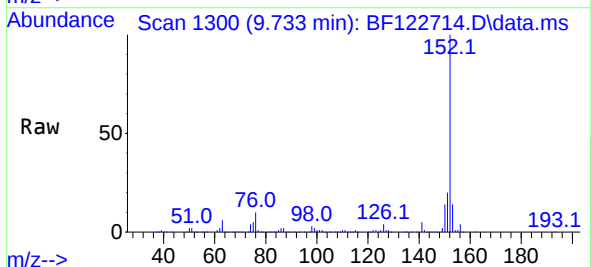
Instrument :
BNA_F
ClientSampled :
PE-7DL

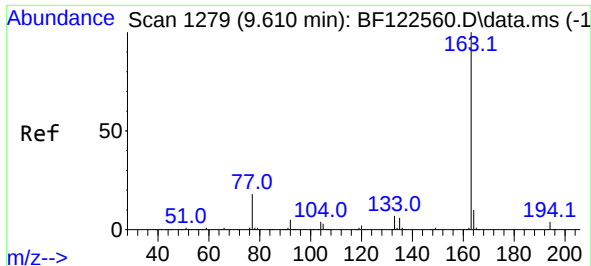
Tgt Ion:172 Resp: 687213
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 23.4 19.5 29.3



#49
Acenaphthylene
Concen: 12.55 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:152 Resp: 433917
Ion Ratio Lower Upper
152 100
151 20.3 16.6 25.0
153 14.3 10.9 16.3

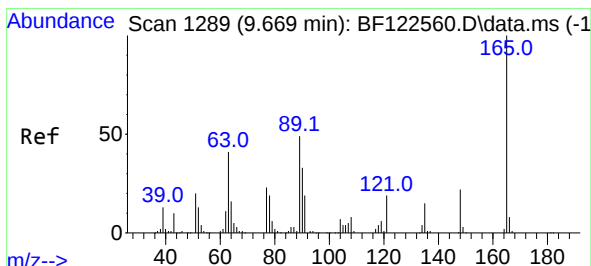
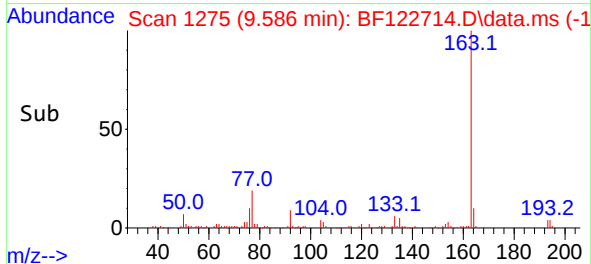
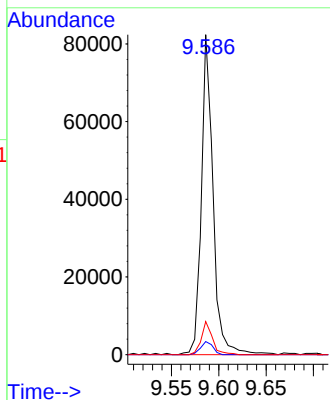
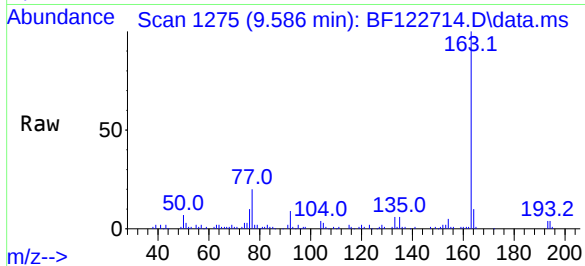




#50
Dimethylphthalate
Concen: 2.61 ng
RT: 9.586 min Scan# 1275
Delta R.T. -0.024 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

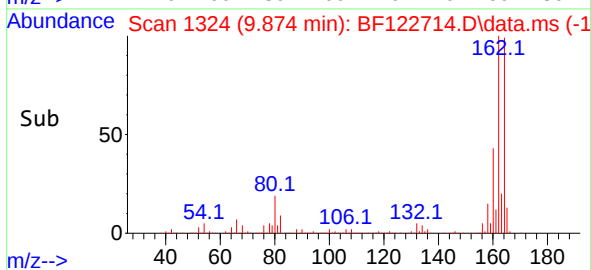
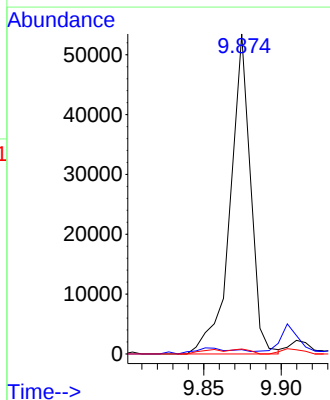
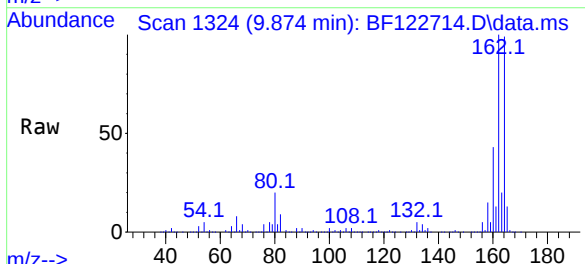
Instrument :
BNA_F
ClientSampleId :
PE-7DL

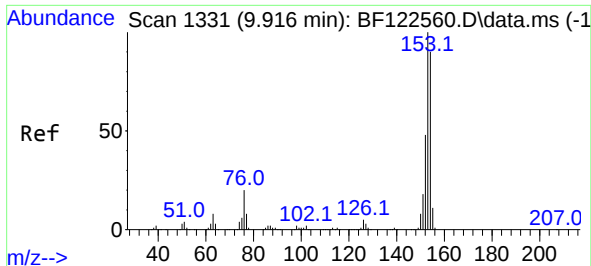
Tgt Ion:163 Resp: 70867
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.0
164 10.3 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 8.49 ng
RT: 9.874 min Scan# 1324
Delta R.T. 0.206 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:165 Resp: 48763
Ion Ratio Lower Upper
165 100
63 1.3 36.6 55.0#
89 1.6 39.4 59.0#

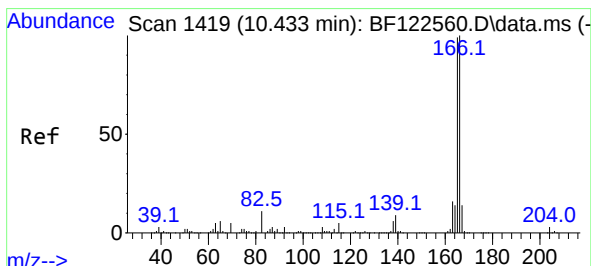
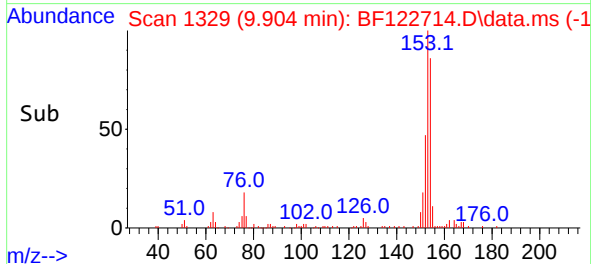
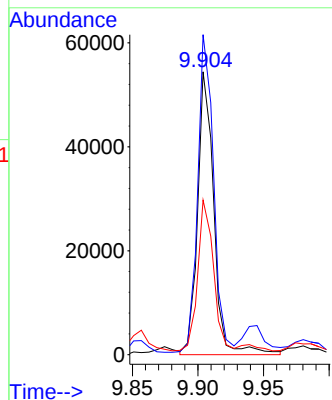
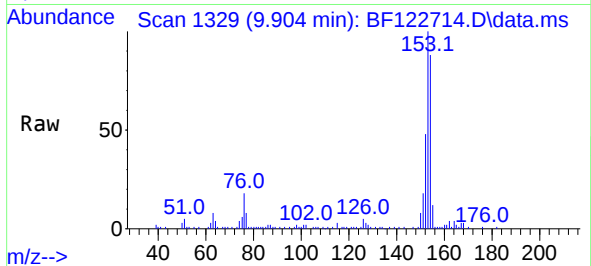




#52
Acenaphthene
Concen: 2.11 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

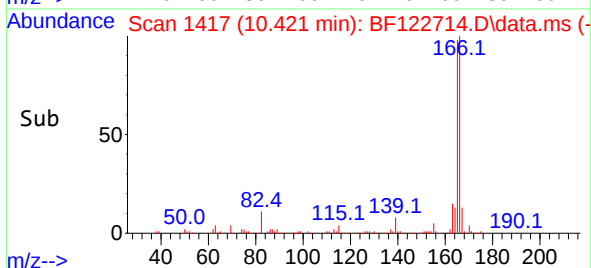
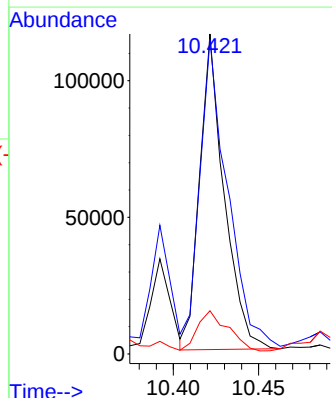
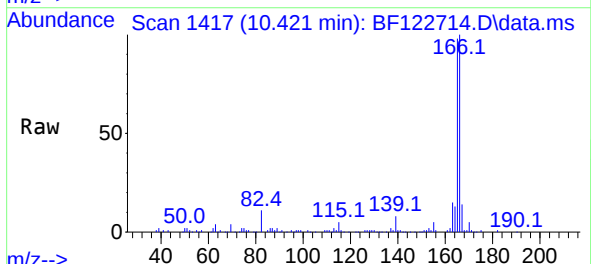
Instrument :
BNA_F
ClientSampleId :
PE-7DL

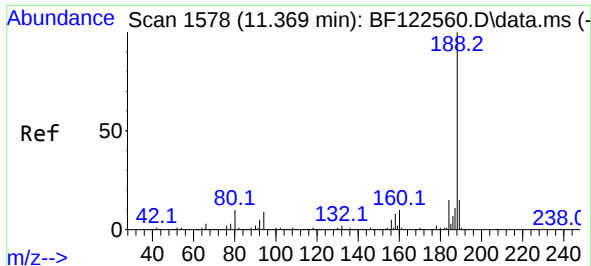
Tgt Ion:154 Resp: 47128
Ion Ratio Lower Upper
154 100
153 113.1 89.0 133.6
152 54.7 42.7 64.1



#58
Fluorene
Concen: 4.62 ng
RT: 10.421 min Scan# 1417
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:166 Resp: 115516
Ion Ratio Lower Upper
166 100
165 98.3 79.4 119.0
167 13.5 10.9 16.3

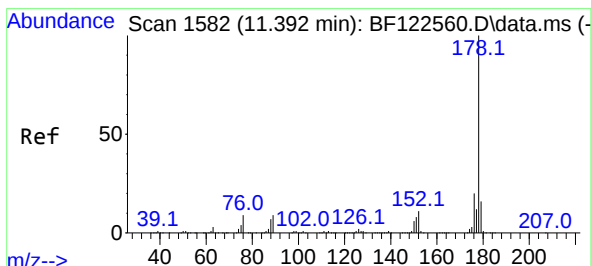
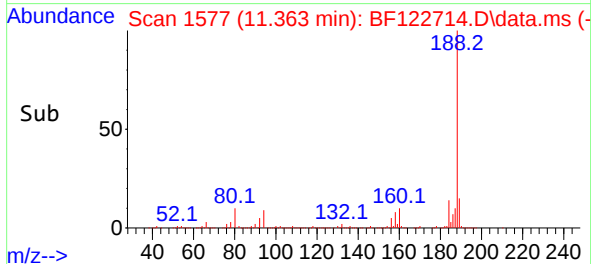
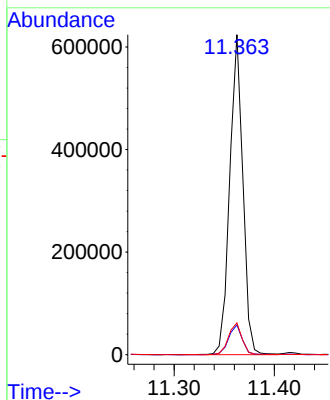
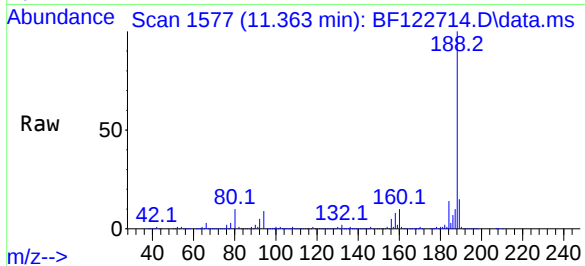




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

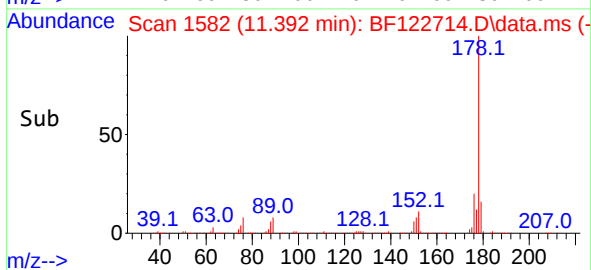
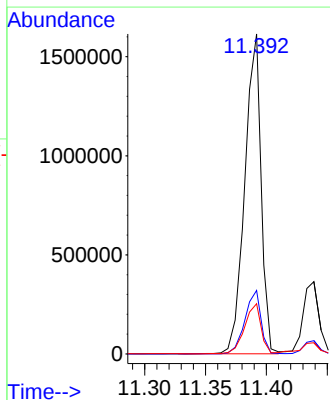
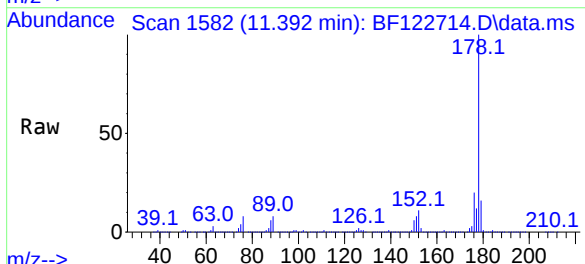
Instrument :
BNA_F
ClientSampleId :
PE-7DL

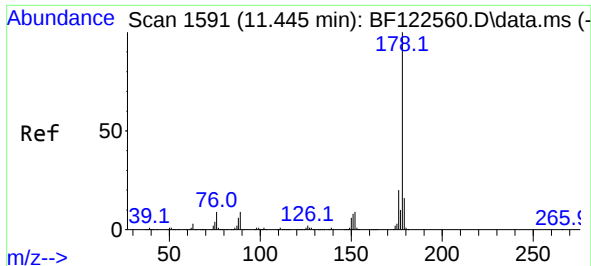
Tgt Ion:188 Resp: 567064
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 9.9 8.2 12.4



#71
Phenanthrene
Concen: 44.66 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:178 Resp: 1505016
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.7 12.7 19.1



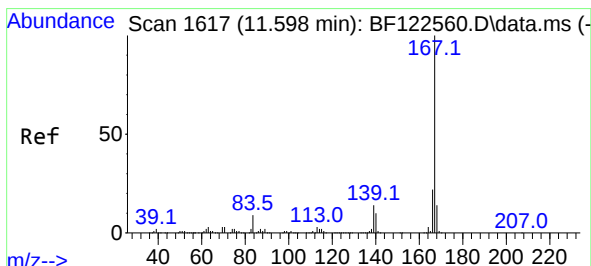
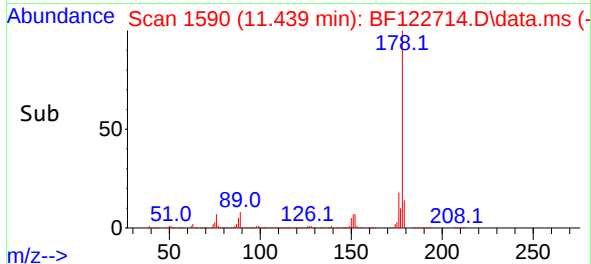
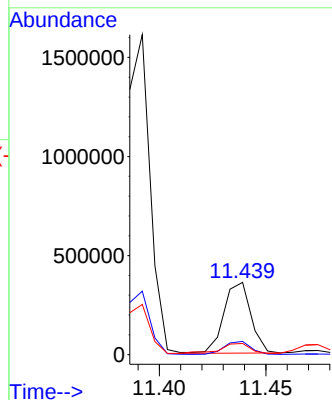
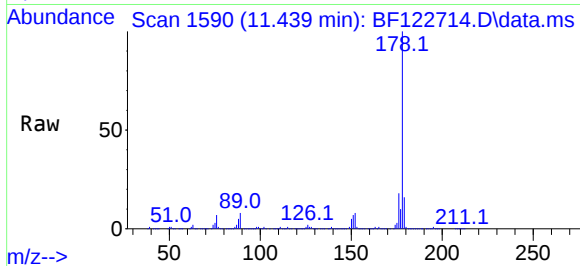


#72
 Anthracene
 Concen: 9.48 ng
 RT: 11.439 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: BF122714.D
 Acq: 14 Dec 2020 19:30

Instrument :
 BNA_F
 ClientSampleId :
 PE-7DL

Tgt Ion:178 Resp: 316842

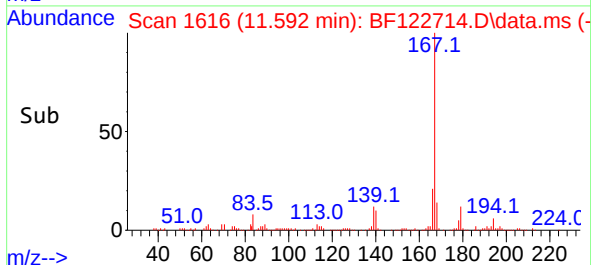
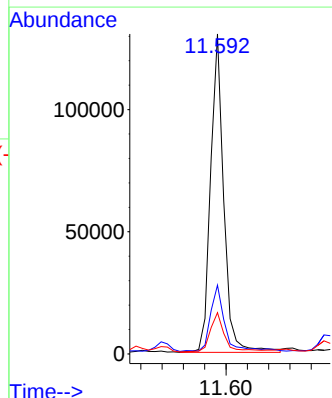
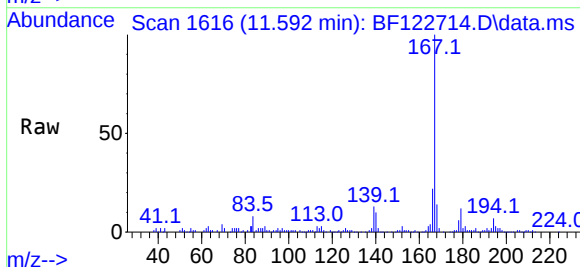
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	15.6	12.8	19.2

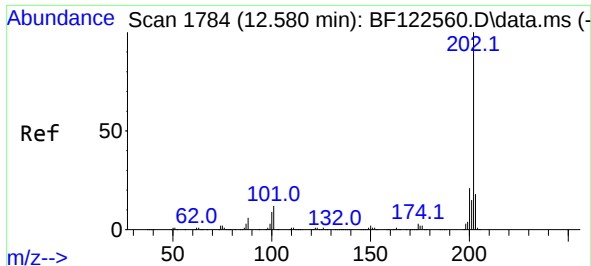


#73
 Carbazole
 Concen: 3.71 ng
 RT: 11.592 min Scan# 1616
 Delta R.T. -0.006 min
 Lab File: BF122714.D
 Acq: 14 Dec 2020 19:30

Tgt Ion:167 Resp: 112476

Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.0	27.0
139	12.9	10.9	16.3

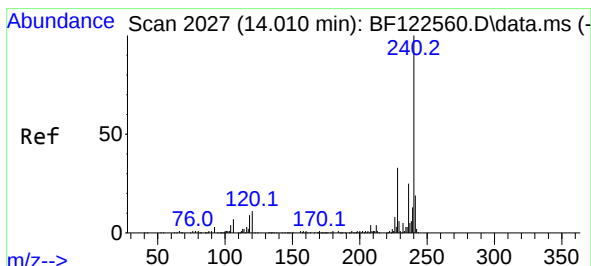
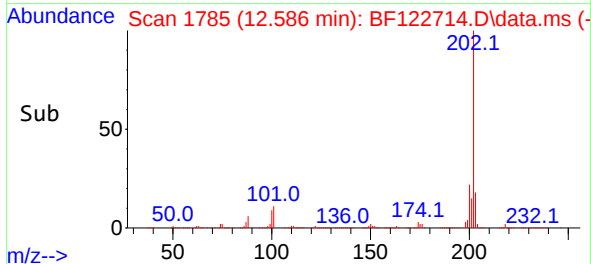
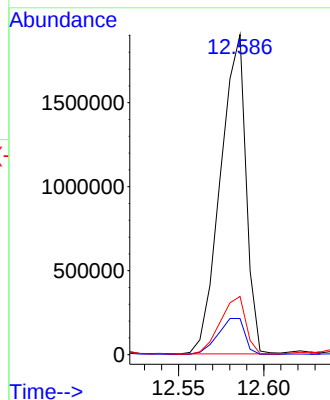
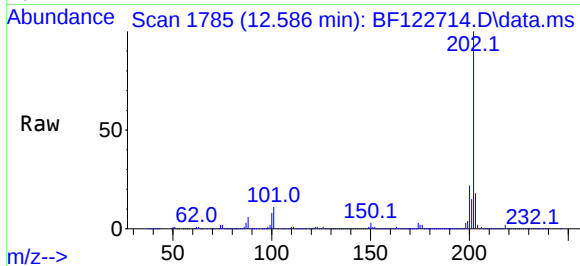




#75
Fluoranthene
Concen: 55.96 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

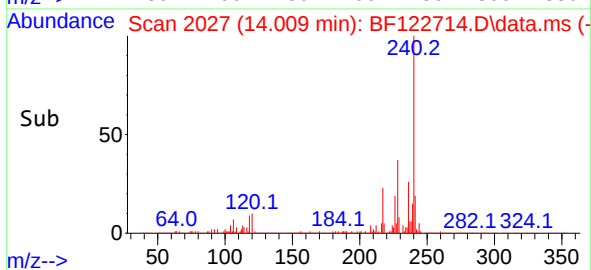
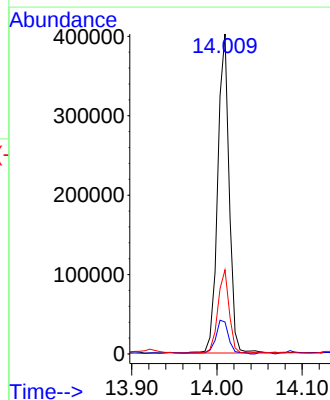
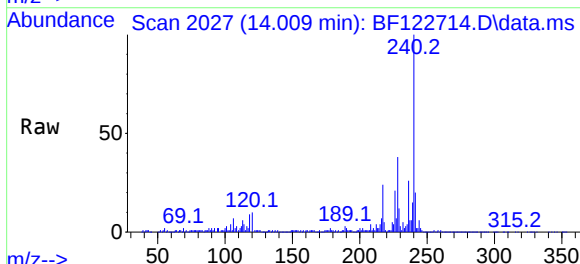
Instrument :
BNA_F
ClientSampled :
PE-7DL

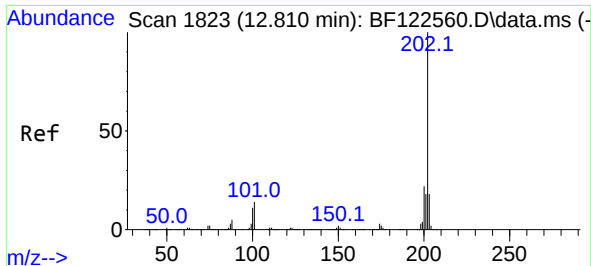
Tgt Ion:202 Resp: 1977704
Ion Ratio Lower Upper
202 100
101 11.3 0.0 32.2
203 18.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:240 Resp: 375489
Ion Ratio Lower Upper
240 100
120 10.0 8.6 12.8
236 26.3 20.3 30.5

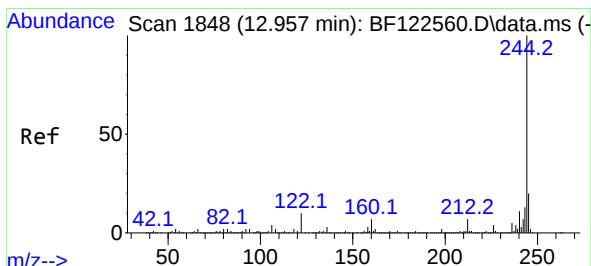
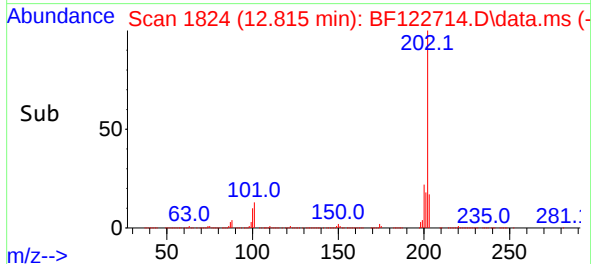
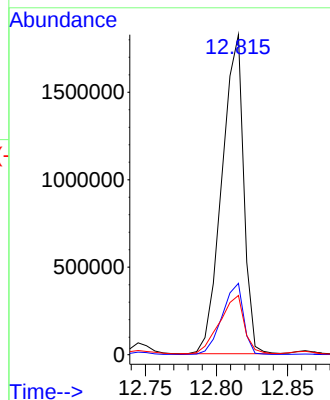
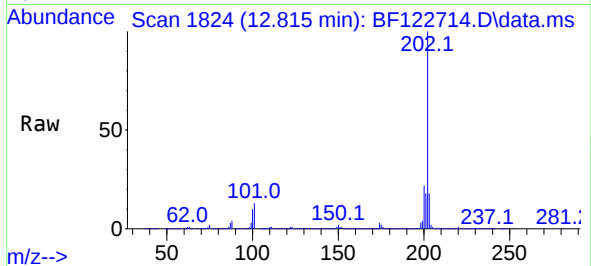




#78
Pyrene
Concen: 66.82 ng
RT: 12.815 min Scan# 1824
Delta R.T. 0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

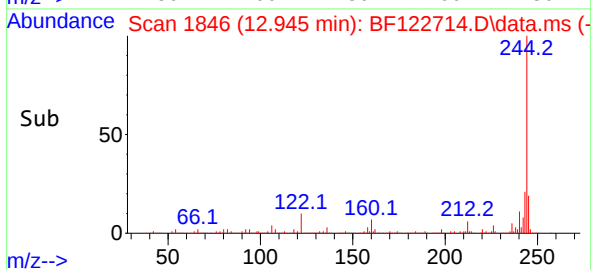
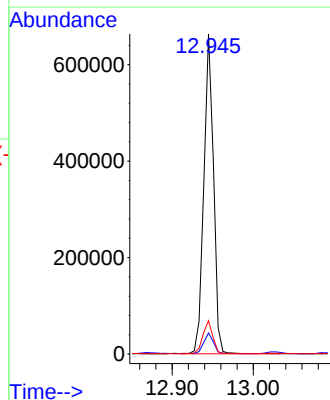
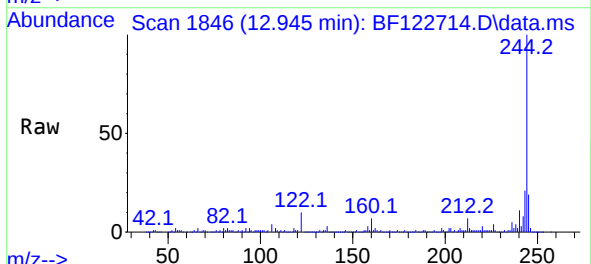
Instrument :
BNA_F
ClientSampled :
PE-7DL

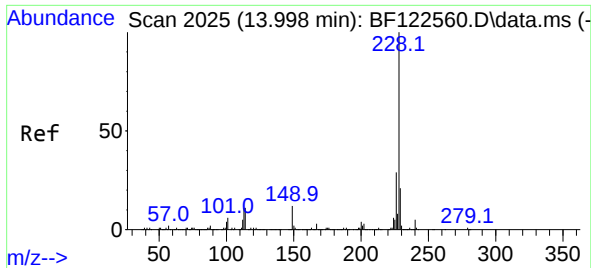
Tgt Ion:202 Resp: 1939905
Ion Ratio Lower Upper
202 100
200 22.3 17.6 26.4
203 18.5 14.6 21.8



#79
Terphenyl-d14
Concen: 25.54 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:244 Resp: 547928
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 10.4 8.3 12.5



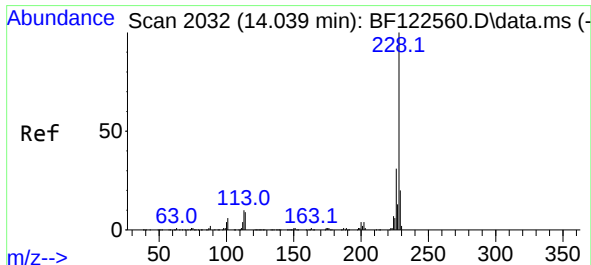
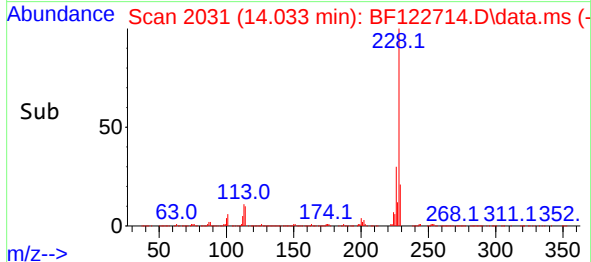
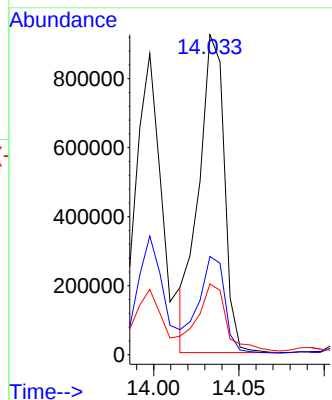
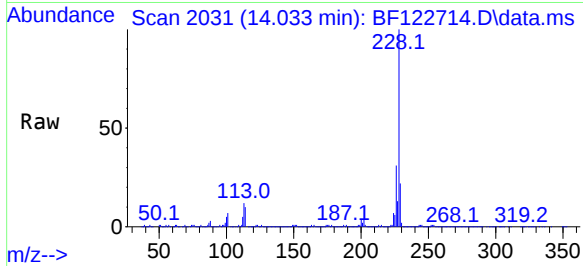


#81
Benzo(a)anthracene
Concen: 38.38 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.035 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Instrument :
BNA_F
ClientSampleId :
PE-7DL

Tgt Ion:228 Resp: 963224

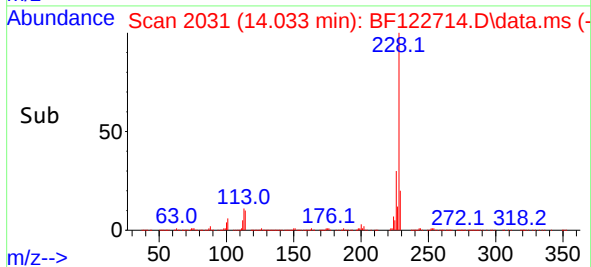
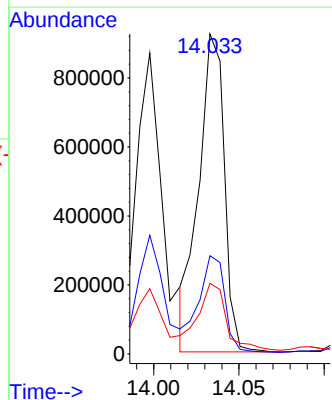
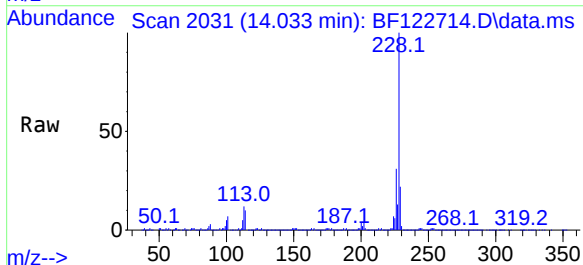
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.0	34.4
229	22.1	16.6	24.8

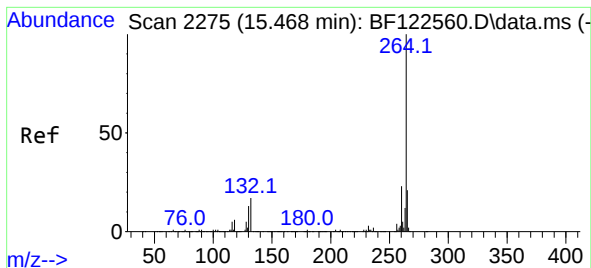


#83
Chrysene
Concen: 38.57 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:228 Resp: 963224

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	36.8
229	22.1	15.8	23.6



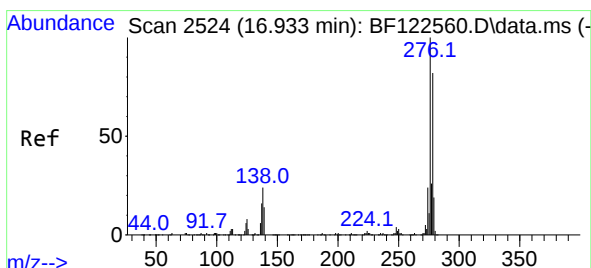
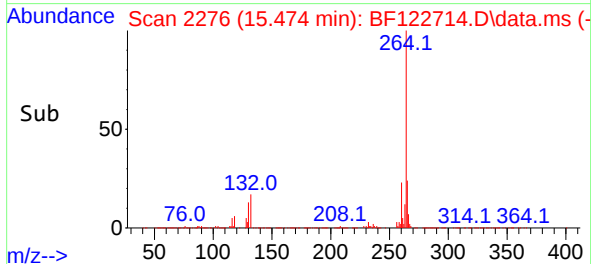
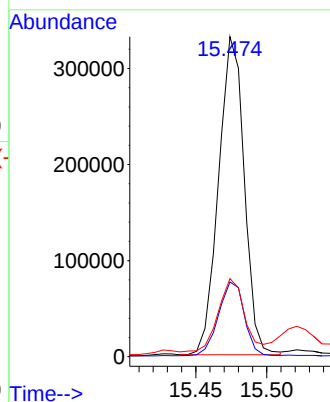
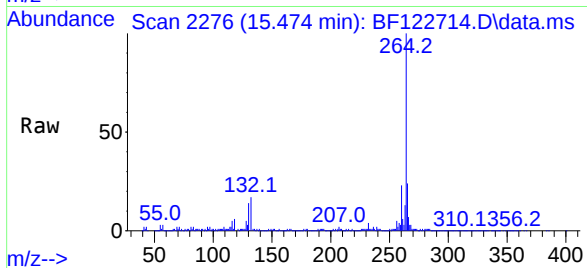


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Instrument :
BNA_F
ClientSampleId :
PE-7DL

Tgt Ion:264 Resp: 416084

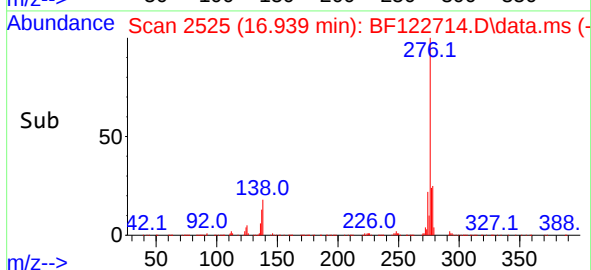
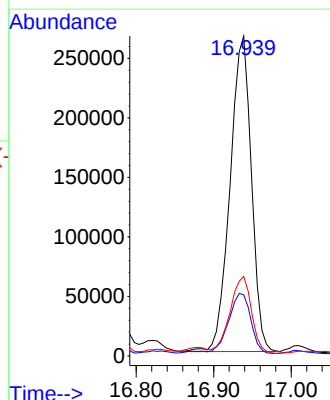
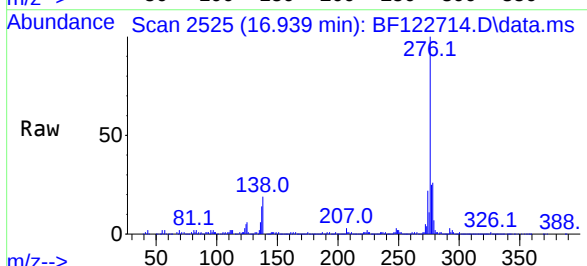
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	24.4	17.0	25.6

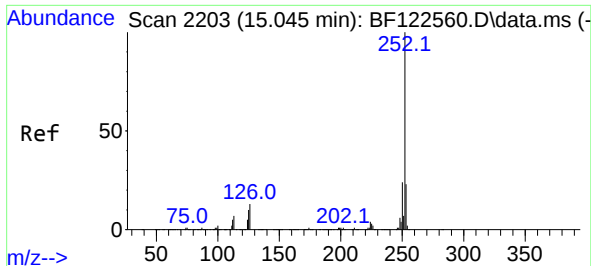


#87
Indeno(1,2,3-cd)pyrene
Concen: 18.60 ng
RT: 16.939 min Scan# 2525
Delta R.T. 0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:276 Resp: 507987

Ion	Ratio	Lower	Upper
276	100		
138	19.6	18.7	28.1
277	24.7	20.2	30.4

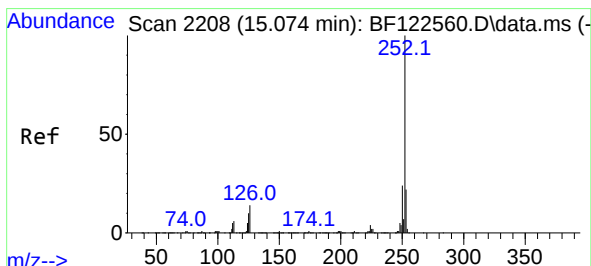
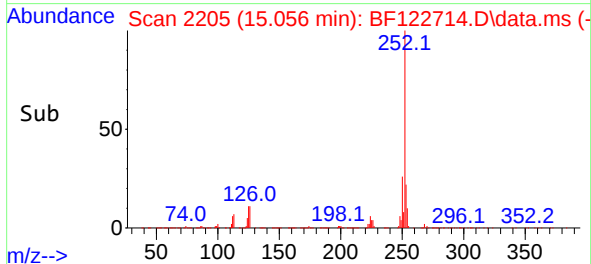
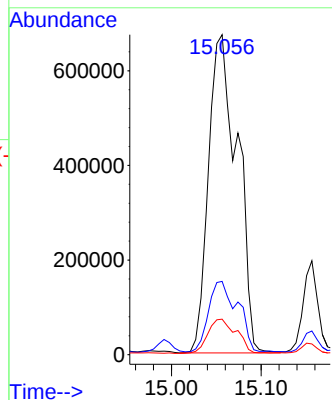
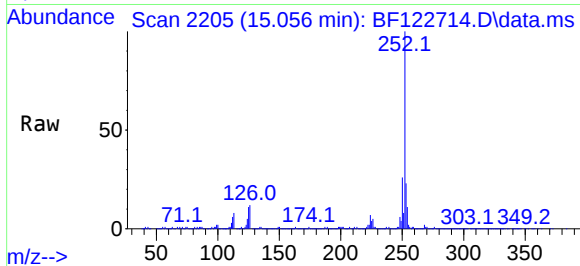




#88
Benzo(b)fluoranthene
Concen: 51.77 ng
RT: 15.056 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

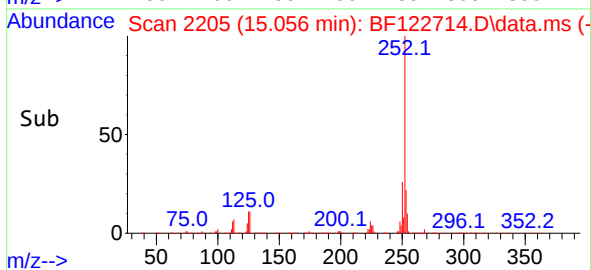
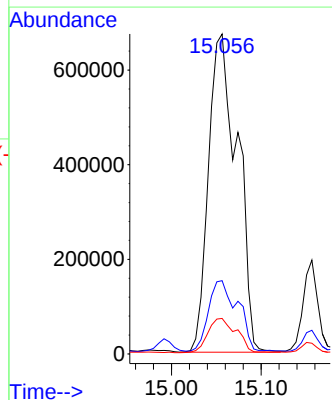
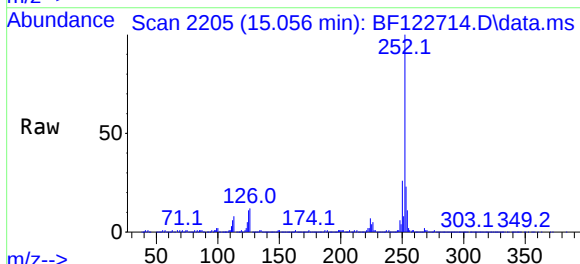
Instrument :
BNA_F
ClientSampled :
PE-7DL

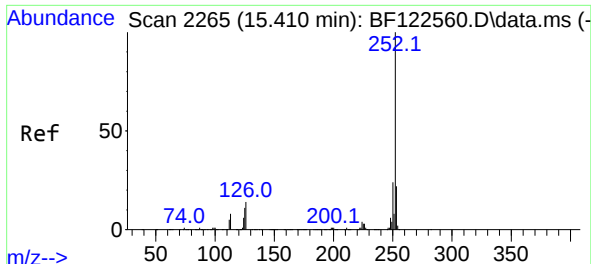
Tgt Ion:252 Resp: 1511379
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 11.1 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 56.62 ng
RT: 15.056 min Scan# 2205
Delta R.T. -0.018 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Tgt Ion:252 Resp: 1511379
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 11.1 8.4 12.6

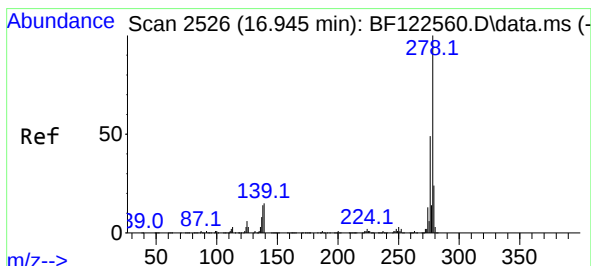
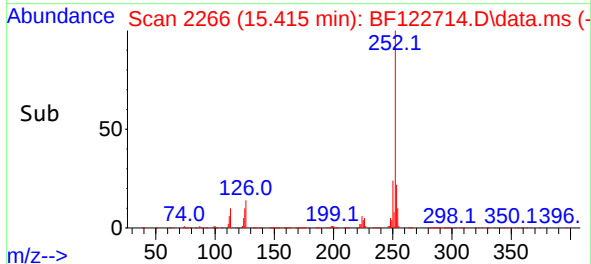
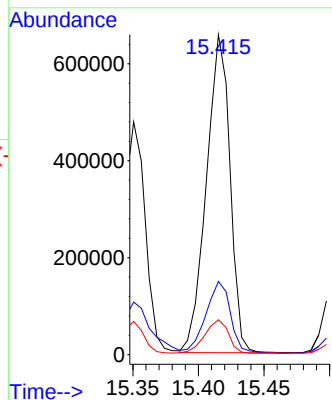
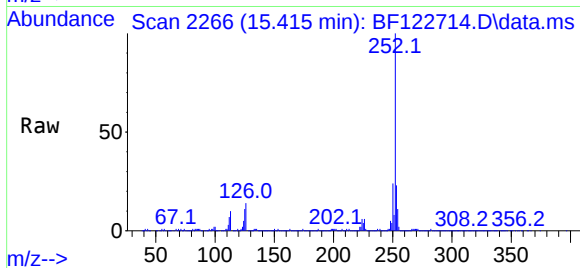




#90
Benzo(a)pyrene
Concen: 32.20 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

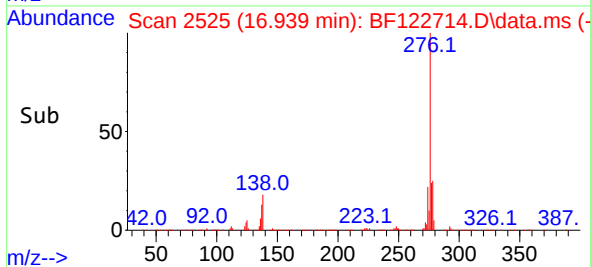
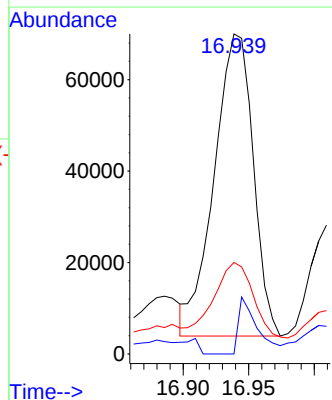
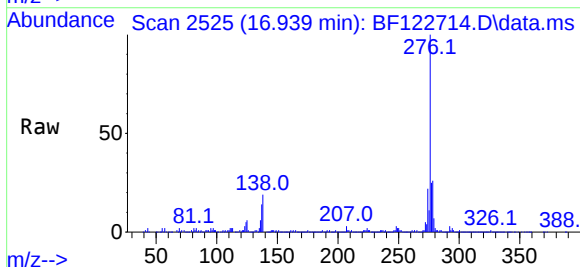
Instrument :
BNA_F
ClientSampleId :
PE-7DL

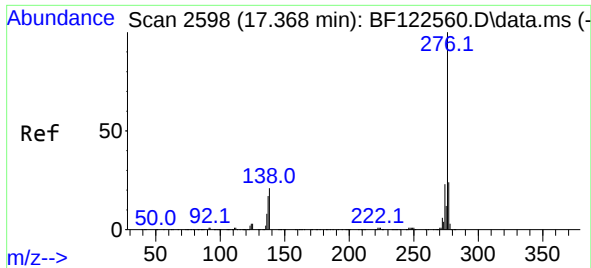
Tgt Ion:252 Resp: 822375
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.9 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 6.13 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.006 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

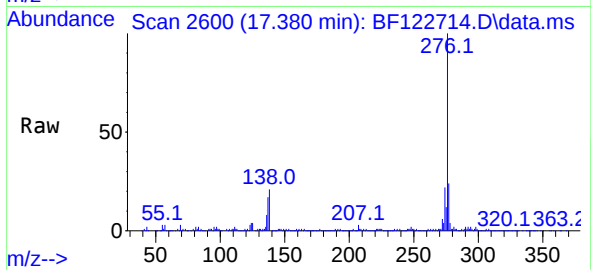
Tgt Ion:278 Resp: 137052
Ion Ratio Lower Upper
278 100
139 0.0 12.0 18.0#
279 28.6 19.4 29.2





#92
Benzo(g,h,i)perylene
Concen: 22.08 ng
RT: 17.380 min Scan# 2600
Delta R.T. 0.012 min
Lab File: BF122714.D
Acq: 14 Dec 2020 19:30

Instrument :
BNA_F
ClientSampleId :
PE-7DL



Tgt Ion:	276	Resp:	477746
Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.3	28.9
138	20.5	16.6	24.8

