

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112120\
 Data File : BF122441.D
 Acq On : 22 Nov 2020 2:09
 Operator : JU/CG
 Sample : L4845-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PH-TP

Quant Time: Nov 23 01:03:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 13:27:02 2020
 Response via : Initial Calibration

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

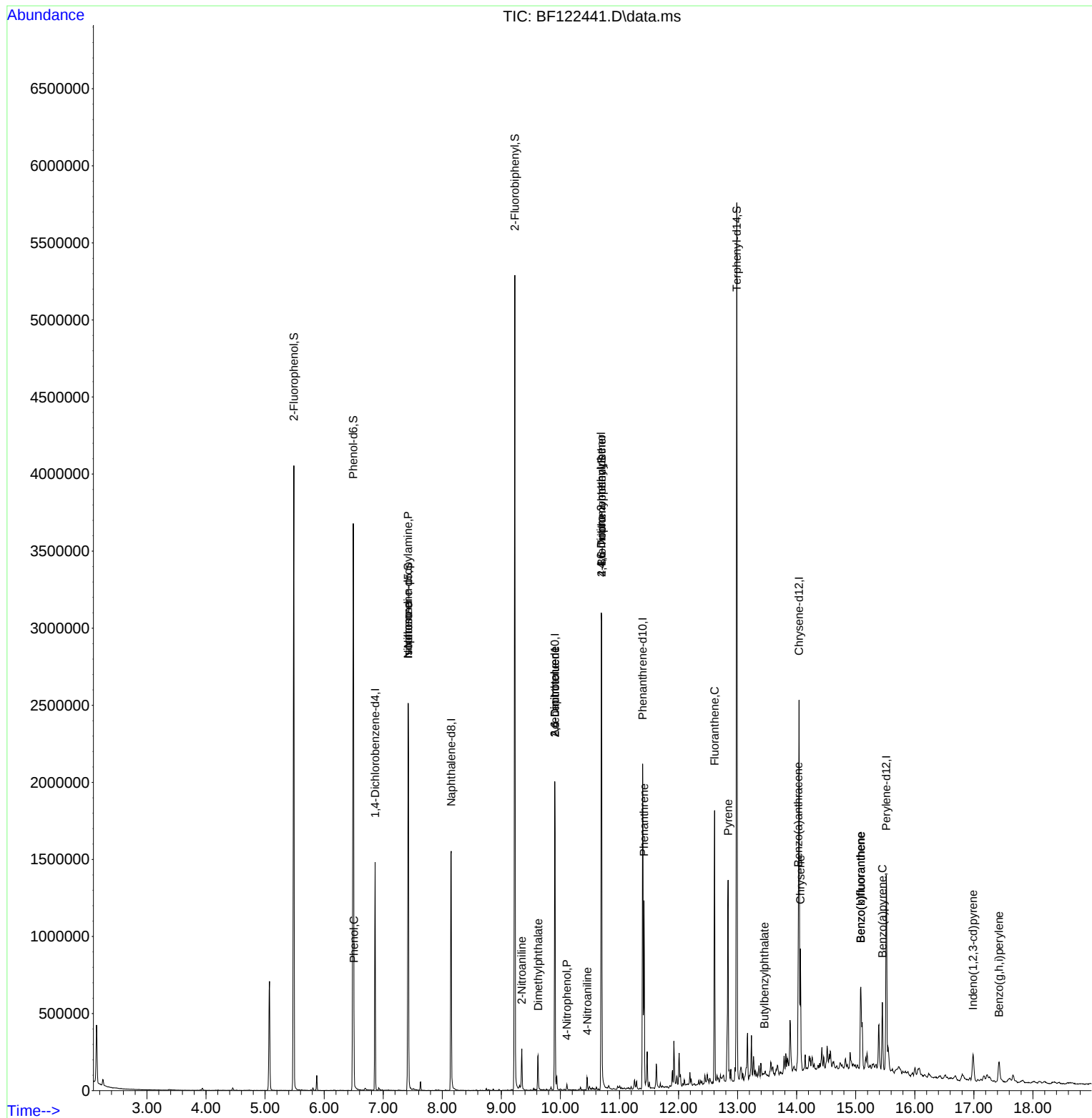
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	203380	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	778279	20.00	ng	# 0.00
39) Acenaphthene-d10	9.904	164	423283	20.00	ng	-0.01
64) Phenanthrene-d10	11.392	188	797350	20.00	ng	-0.01
76) Chrysene-d12	14.039	240	693145	20.00	ng	-0.01
86) Perylene-d12	15.515	264	606577	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1121754	84.69	ng	0.00
7) Phenol-d6	6.493	99	1430845	82.58	ng	-0.02
23) Nitrobenzene-d5	7.422	82	890028	70.01	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	439893	96.83	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1609573	59.41	ng	0.00
79) Terphenyl-d14	12.986	244	1790272	54.72	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	424	Below Cal	#	37
10) Phenol	6.504	94	57488	3.37	ng	81
19) n-Nitroso-di-n-propyla...	7.422	70	121278	11.71	ng	# 75
25) Isophorone	7.422	82	880290	31.06	ng	# 67
48) 2-Nitroaniline	9.345	65	2687	5.47	ng	# 13
50) Dimethylphthalate	9.622	163	106470	3.54	ng	97
51) 2,6-Dinitrotoluene	9.904	165	54335	11.28	ng	# 20
56) 4-Nitrophenol	10.110	139	4742	6.08	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	54335	10.53	ng	# 20
62) 4-Nitroaniline	10.457	138	109	3.40	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	828	6.45	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	28357	3.03	ng	# 1
71) Phenanthrene	11.416	178	430002	9.50	ng	99
75) Fluoranthene	12.610	202	667270	14.13	ng	96
78) Pyrene	12.839	202	526888	10.82	ng	99
80) Butylbenzylphthalate	13.457	149	1270	3.35	ng	# 88
81) Benzo(a)anthracene	14.027	228	301733	7.00	ng	100
83) Chrysene	14.063	228	278919	6.42	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	121871	3.35	ng	93
88) Benzo(b)fluoranthene	15.086	252	434069	11.05	ng	99
89) Benzo(k)fluoranthene	15.086	252	434069	11.33	ng	98
90) Benzo(a)pyrene	15.451	252	218677	6.39	ng	99
92) Benzo(g,h,i)perylene	17.427	276	113692	3.83	ng	98

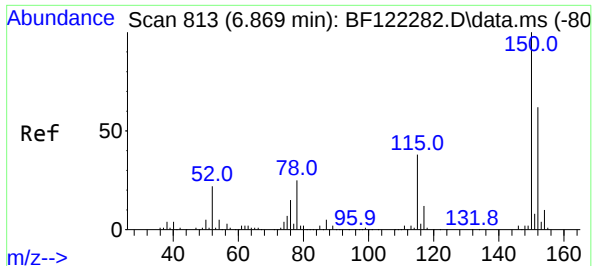
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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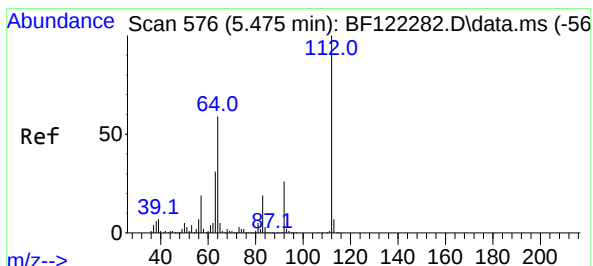
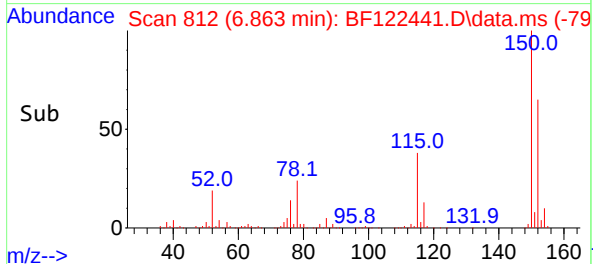
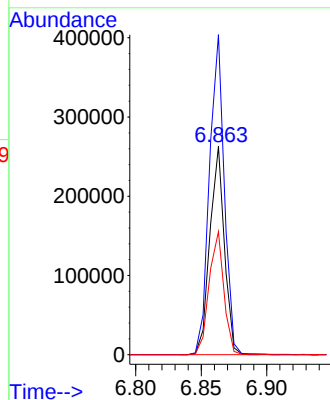
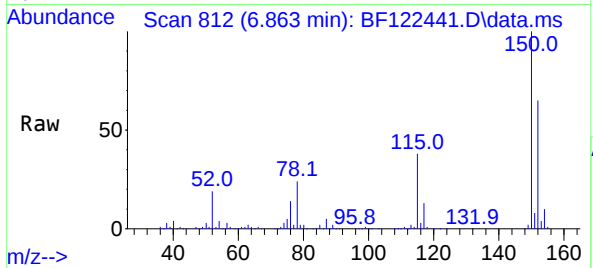




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

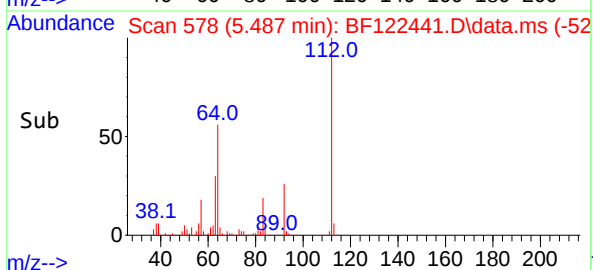
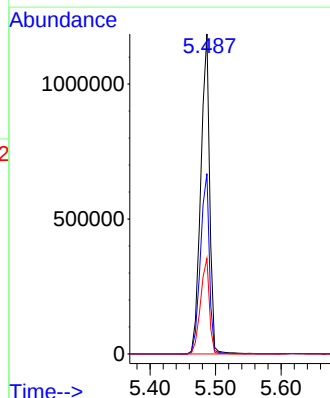
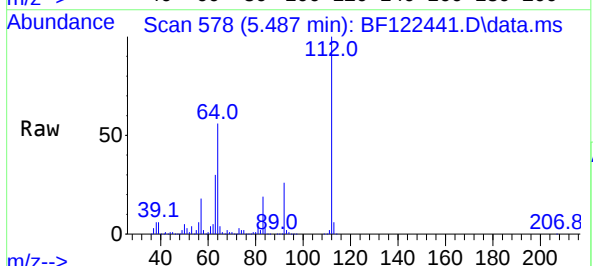
Instrument :
BNA_F
ClientSampleId :
PH-TP

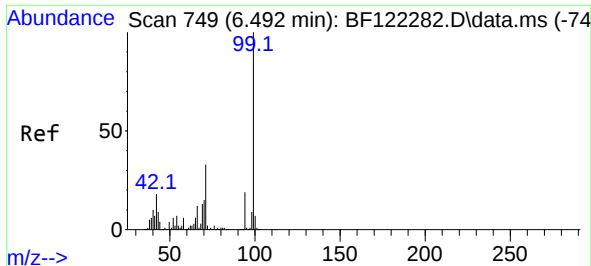
Tgt Ion:152 Resp: 203380
Ion Ratio Lower Upper
152 100
150 153.6 125.3 187.9
115 59.1 51.9 77.9



#5
2-Fluorophenol
Concen: 84.69 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:112 Resp: 1121754
Ion Ratio Lower Upper
112 100
64 56.4 50.4 75.6
63 29.9 25.8 38.6



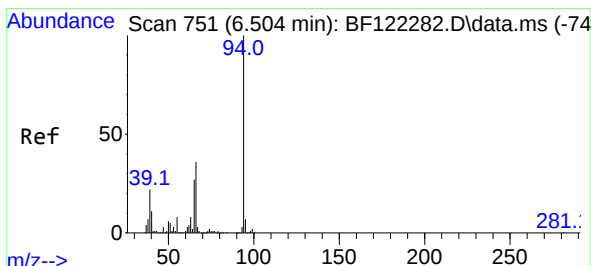
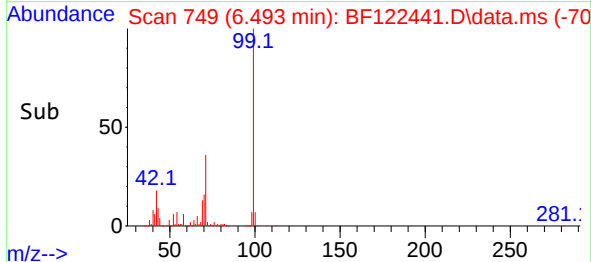
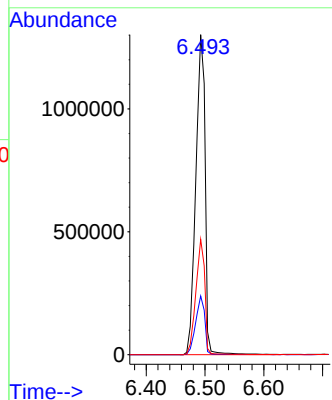
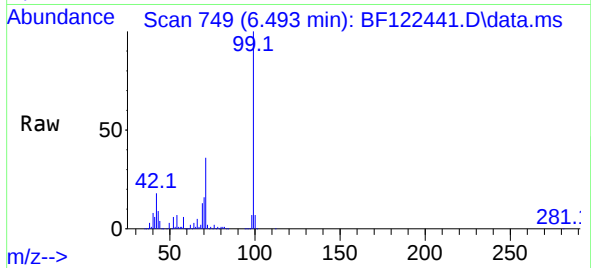


#7
Phenol-d6
Concen: 82.58 ng
RT: 6.493 min Scan# 749
Delta R.T. -0.018 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Instrument :
BNA_F
ClientSampleId :
PH-TP

Tgt Ion: 99 Resp: 1430845

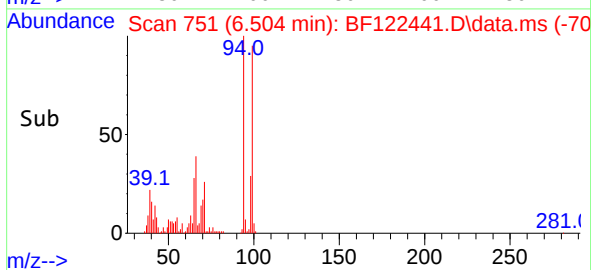
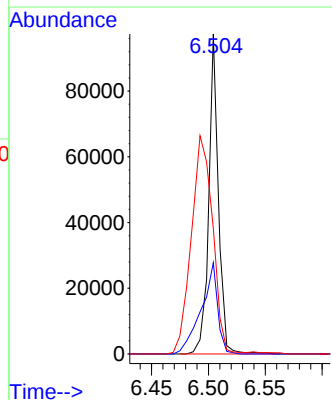
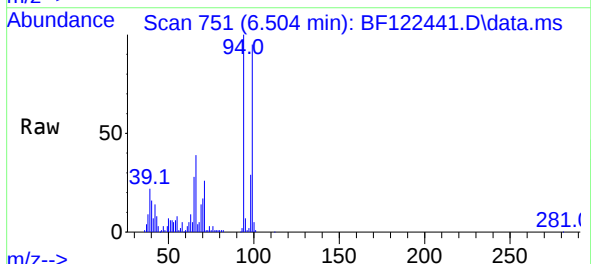
Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.9	23.9
71	36.1	27.1	40.7

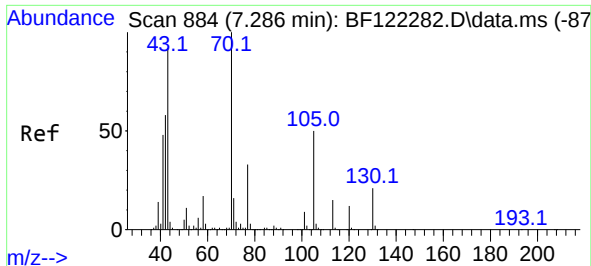


#10
Phenol
Concen: 3.37 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion: 94 Resp: 57488

Ion	Ratio	Lower	Upper
94	100		
65	28.5	17.1	57.1
66	39.4	36.0	76.0



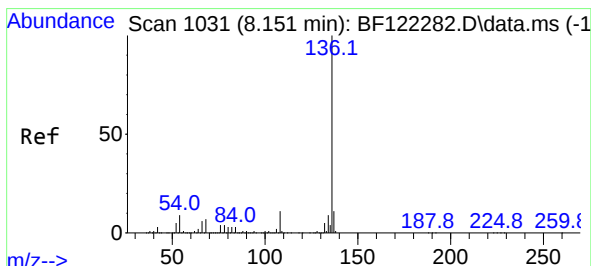
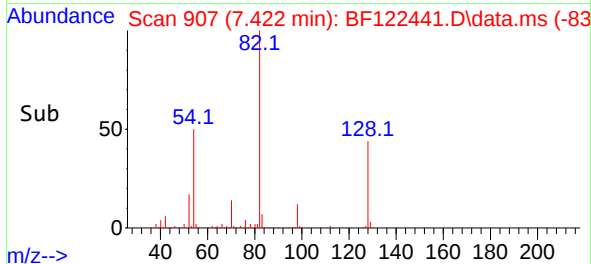
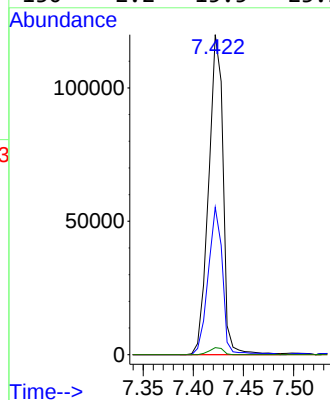
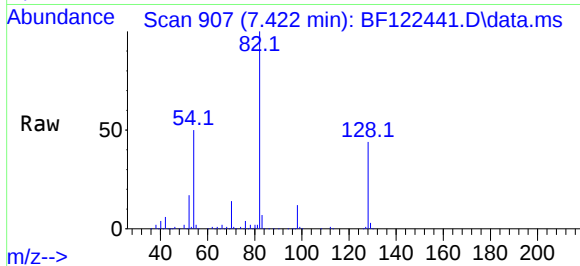


#19
n-Nitroso-di-n-propylamine
Concen: 11.71 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Instrument :
BNA_F
ClientSampleId :
PH-TP

Tgt Ion: 70 Resp: 121278

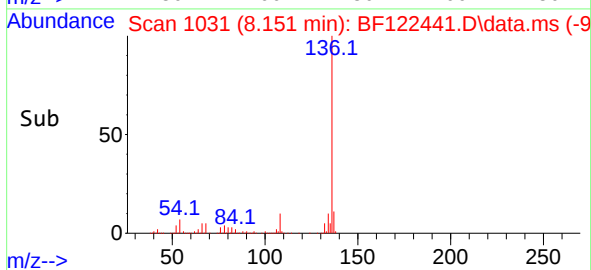
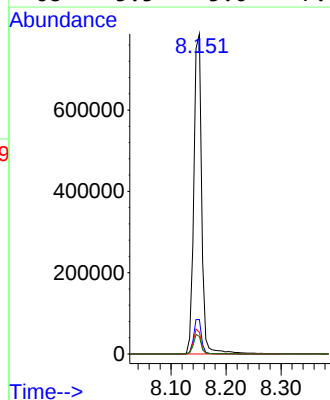
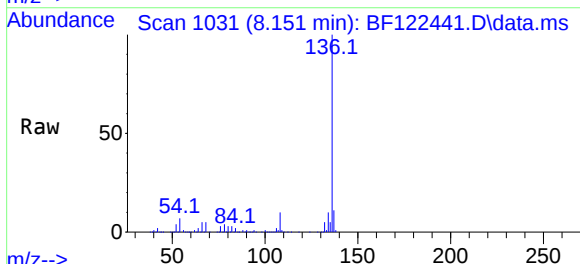
Ion	Ratio	Lower	Upper
70	100		
42	46.1	50.2	75.4#
101	0.0	7.5	11.3#
130	2.2	15.5	23.3#

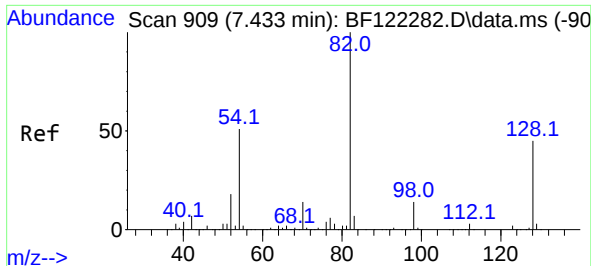


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion: 136 Resp: 778279

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	6.8	7.1	10.7#
68	5.5	5.0	7.4

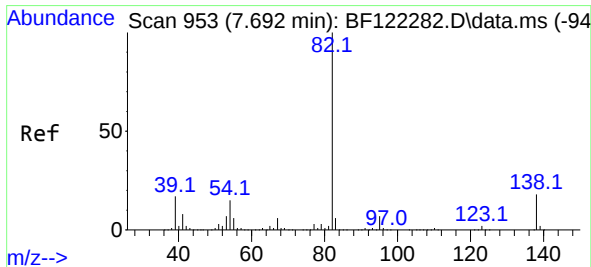
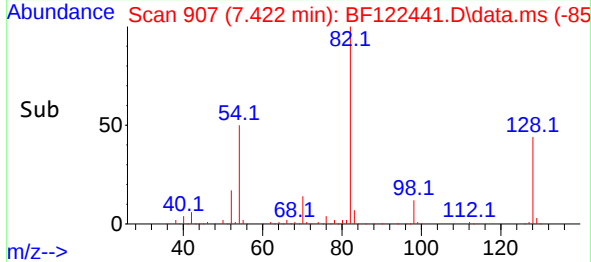
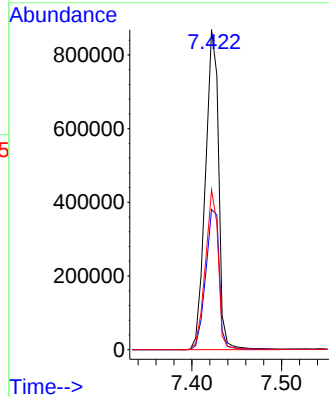
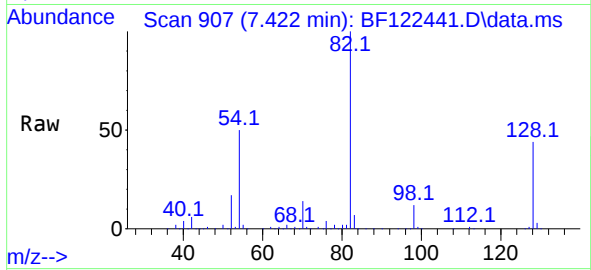




#23
Nitrobenzene-d5
Concen: 70.01 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

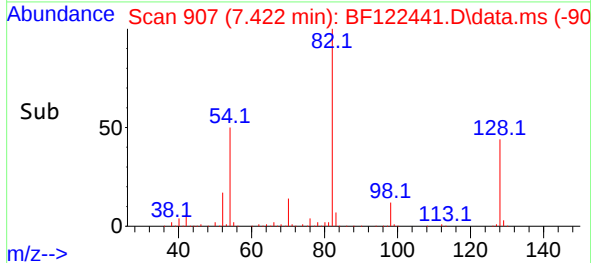
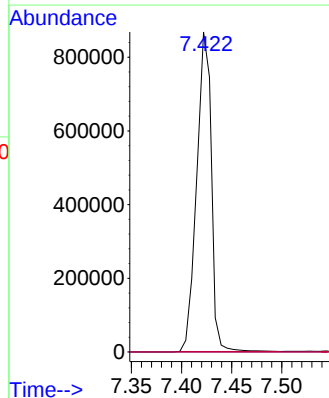
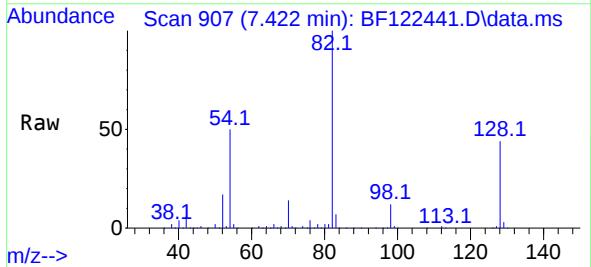
Instrument :
BNA_F
ClientSampleId :
PH-TP

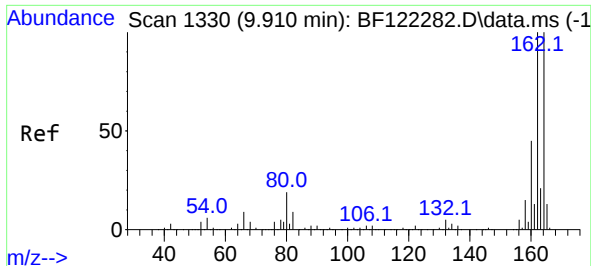
Tgt Ion: 82 Resp: 890028
Ion Ratio Lower Upper
82 100
128 43.8 35.0 52.4
54 50.0 43.9 65.9



#25
Isophorone
Concen: 31.06 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion: 82 Resp: 880290
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.012 min

Lab File: BF122441.D

Acq: 22 Nov 2020 2:09

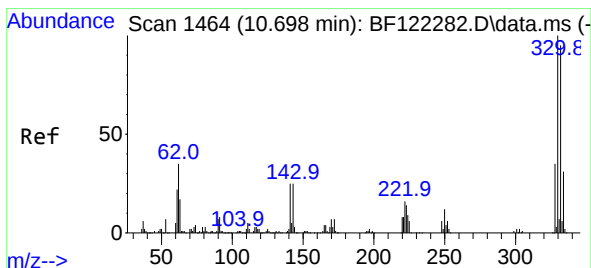
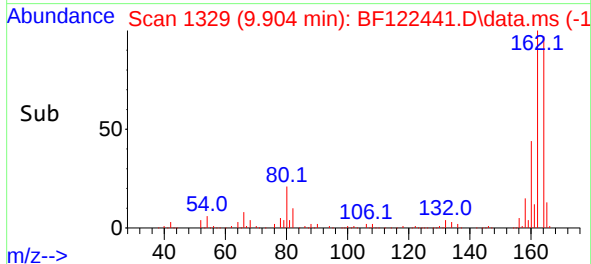
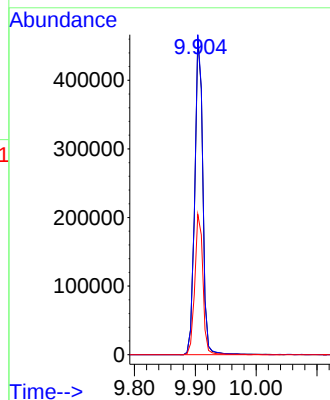
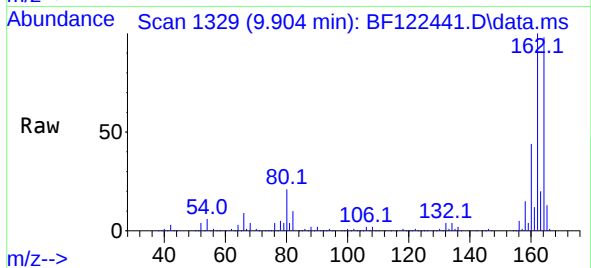
Tgt Ion:164 Resp: 423283

Ion Ratio Lower Upper

164 100

162 101.6 83.2 124.8

160 44.5 37.5 56.3



#42

2,4,6-Tribromophenol

Concen: 96.83 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF122441.D

Acq: 22 Nov 2020 2:09

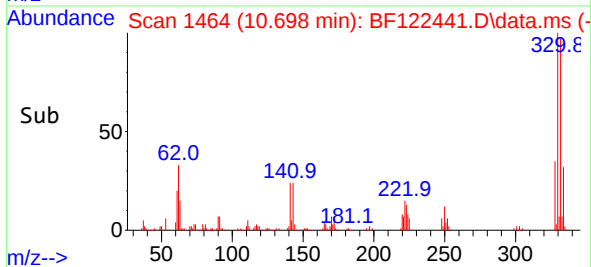
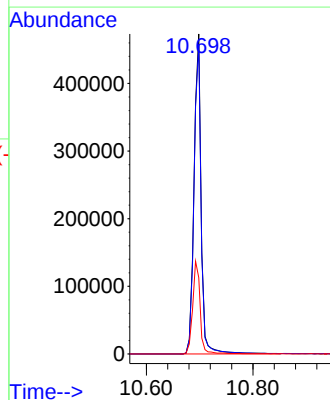
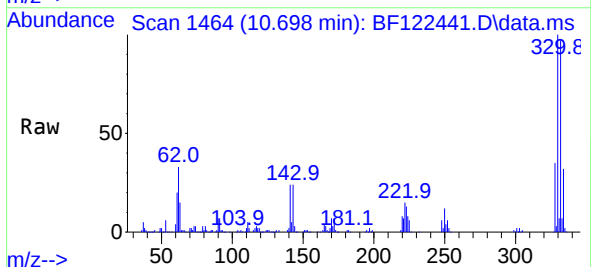
Tgt Ion:330 Resp: 439893

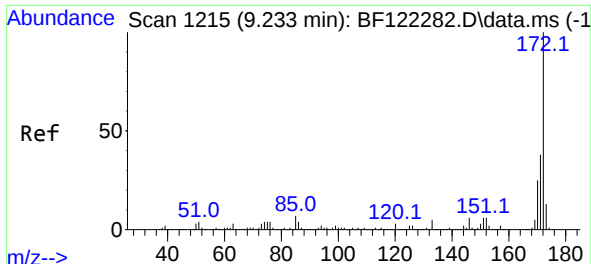
Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 30.5 22.3 33.5

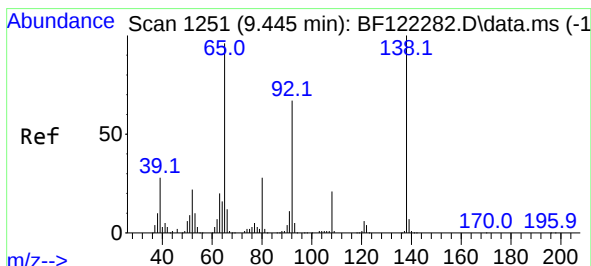
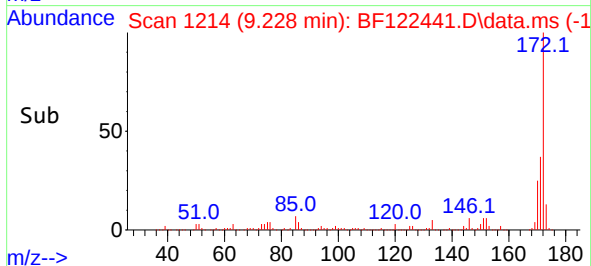
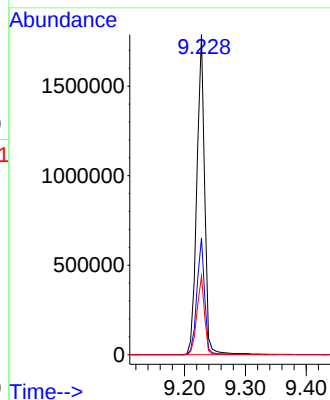
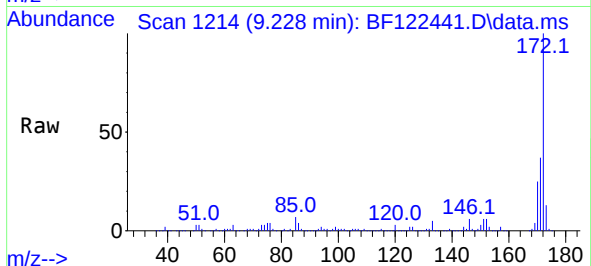




#45
2-Fluorobiphenyl
Concen: 59.41 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

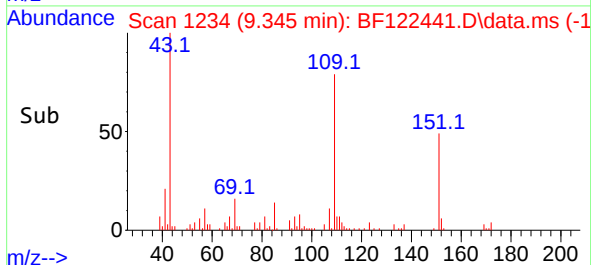
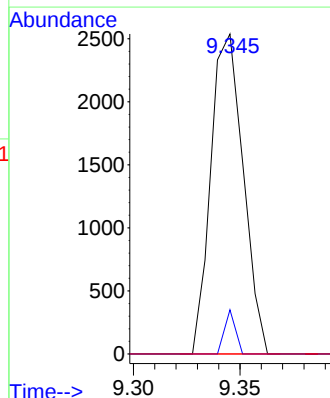
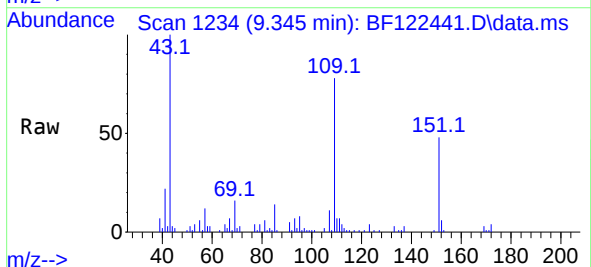
Instrument :
BNA_F
ClientSampleId :
PH-TP

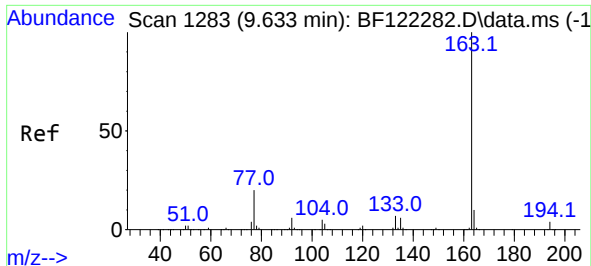
Tgt Ion:172 Resp: 1609573
Ion Ratio Lower Upper
172 100
171 36.5 29.1 43.7
170 24.6 19.8 29.6



#48
2-Nitroaniline
Concen: 5.47 ng
RT: 9.345 min Scan# 1234
Delta R.T. -0.112 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion: 65 Resp: 2687
Ion Ratio Lower Upper
65 100
92 13.8 55.1 82.7#
138 0.0 80.5 120.7#

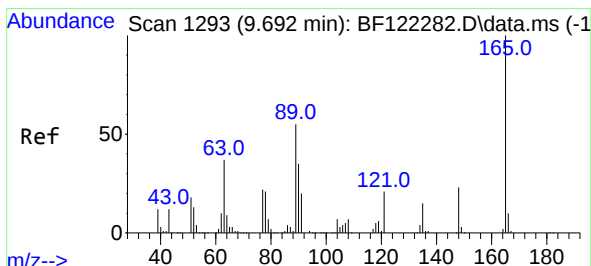
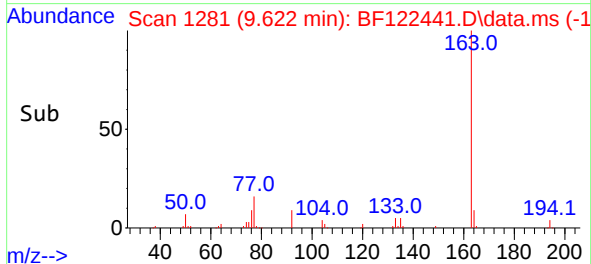
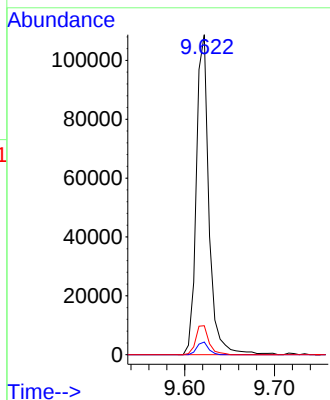
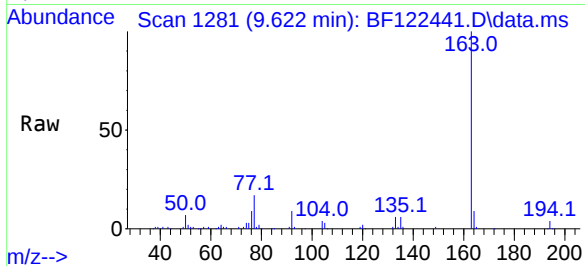




#50
Dimethylphthalate
Concen: 3.54 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.018 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

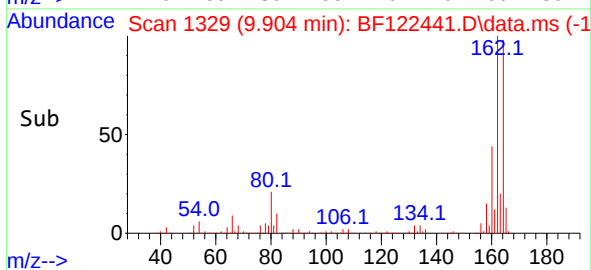
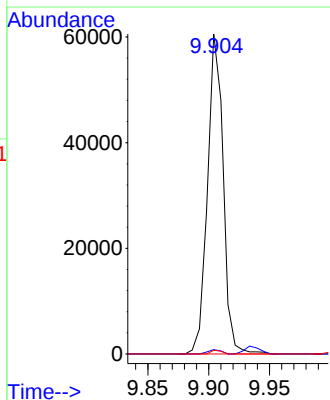
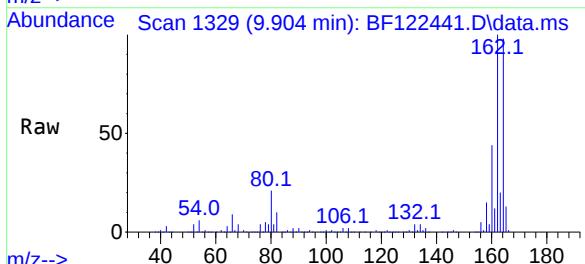
Instrument :
BNA_F
ClientSampled :
PH-TP

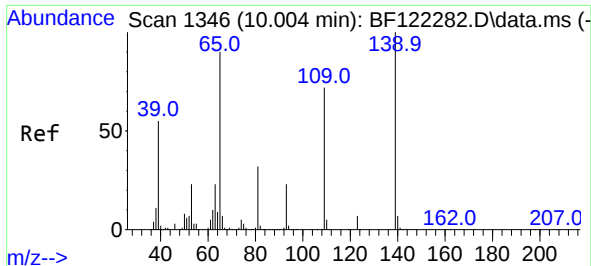
Tgt Ion:163 Resp: 106470
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.1 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 11.28 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:165 Resp: 54335
Ion Ratio Lower Upper
165 100
63 1.4 51.8 77.6#
89 1.1 49.0 73.6#

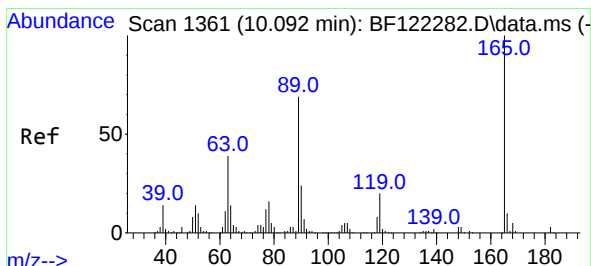
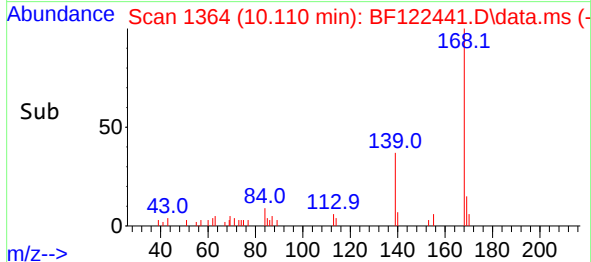
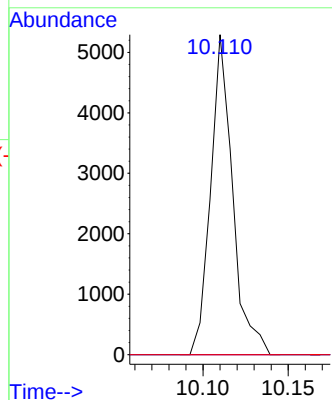
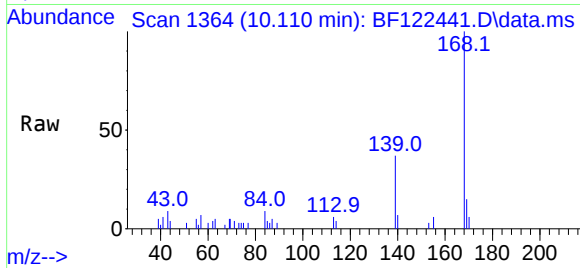




#56
4-Nitrophenol
Concen: 6.08 ng
RT: 10.110 min Scan# 1364
Delta R.T. 0.082 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

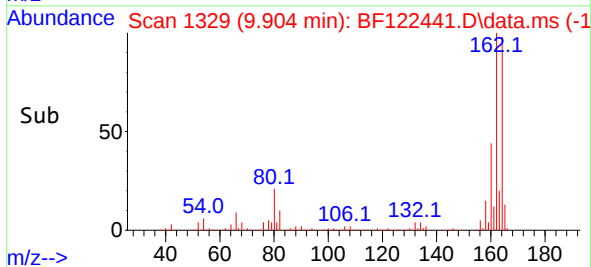
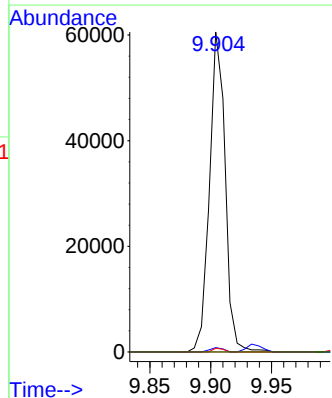
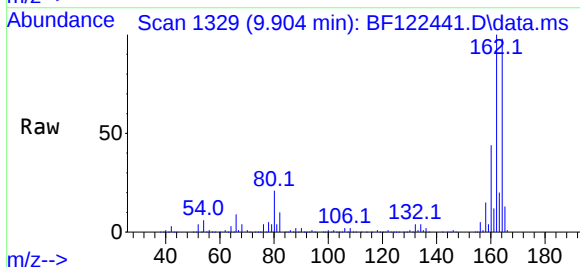
Instrument :
BNA_F
ClientSampleId :
PH-TP

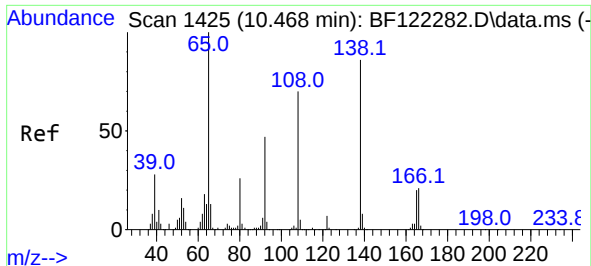
Tgt Ion:139 Resp: 4742
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



#57
2,4-Dinitrotoluene
Concen: 10.53 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:165 Resp: 54335
Ion Ratio Lower Upper
165 100
63 1.4 41.3 61.9#
89 1.1 61.8 92.8#
182 0.0 2.1 3.1#

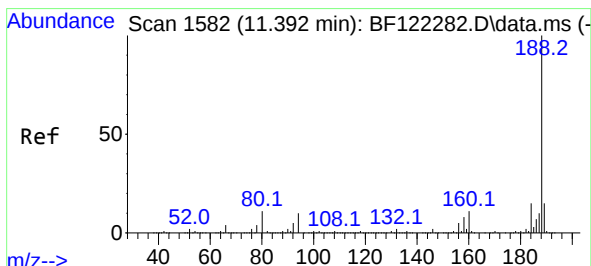
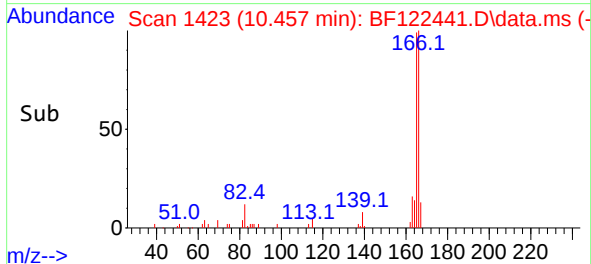
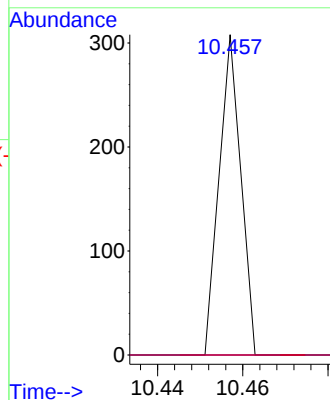
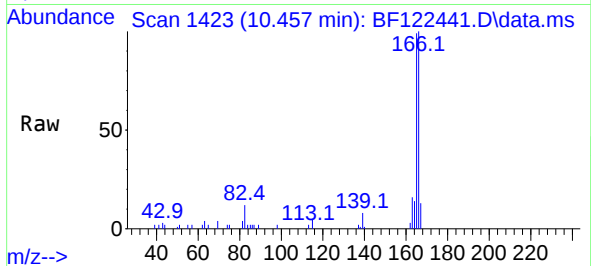




#62
4-Nitroaniline
Concen: 3.40 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.029 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

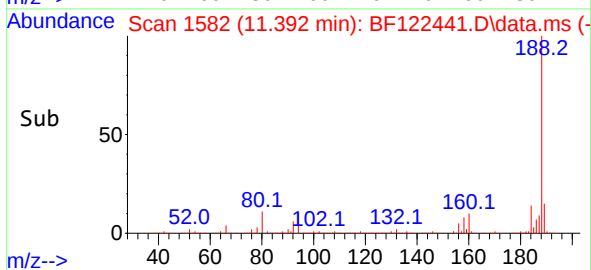
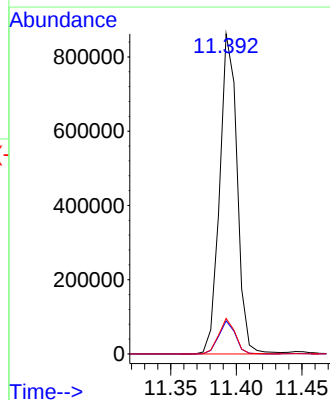
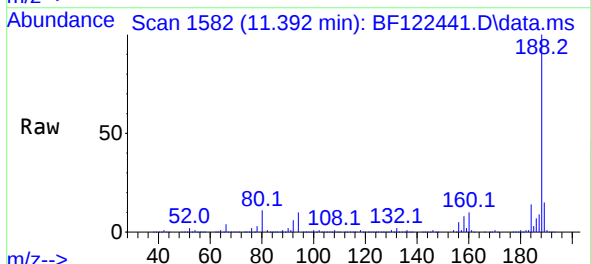
Instrument :
BNA_F
ClientSampled :
PH-TP

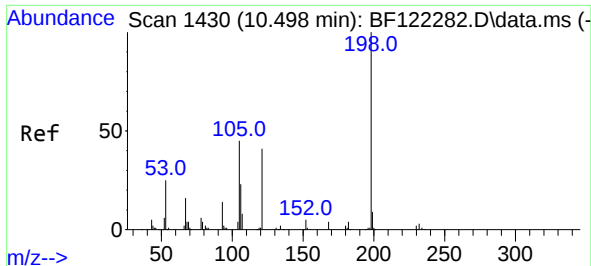
Tgt Ion:138 Resp: 109
Ion Ratio Lower Upper
138 100
92 0.0 31.0 71.0#
108 0.0 51.5 91.5#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:188 Resp: 797350
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 11.1 9.1 13.7

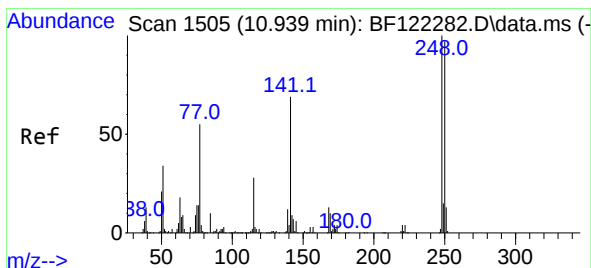
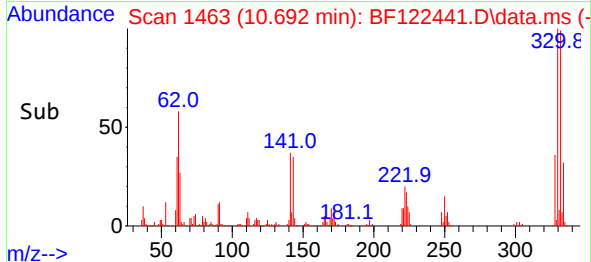
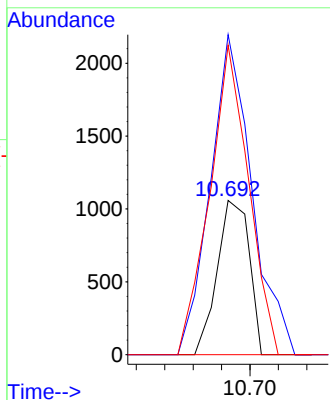
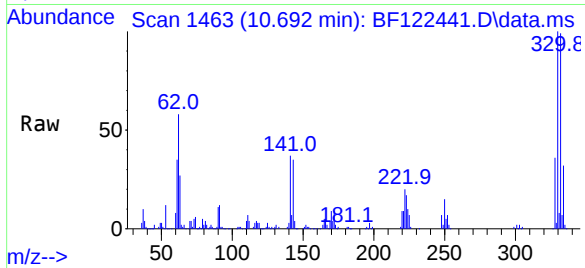




#65
4,6-Dinitro-2-methylphenol
Concen: 6.45 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

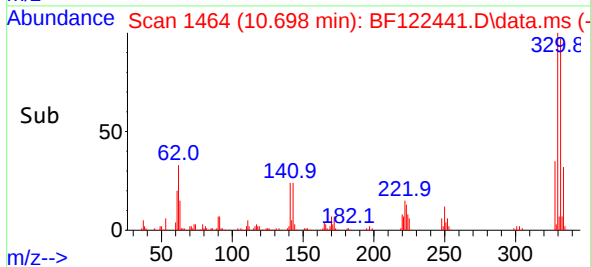
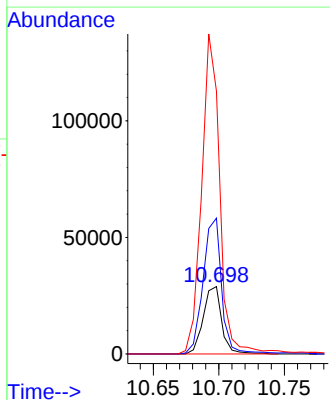
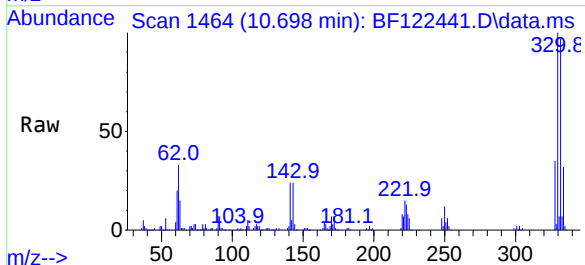
Instrument :
BNA_F
ClientSampleId :
PH-TP

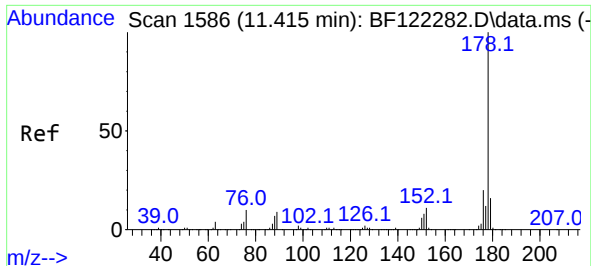
Tgt Ion:198 Resp: 828
Ion Ratio Lower Upper
198 100
51 207.6 29.6 69.6#
105 200.8 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 3.03 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:248 Resp: 28357
Ion Ratio Lower Upper
248 100
250 201.6 77.0 115.6#
141 390.1 53.7 80.5#

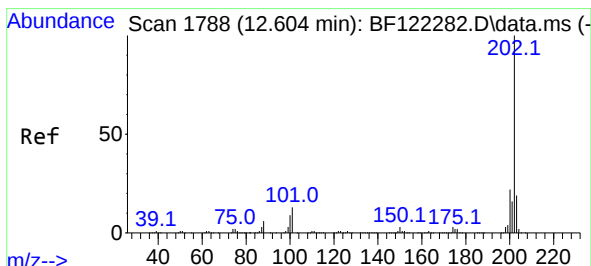
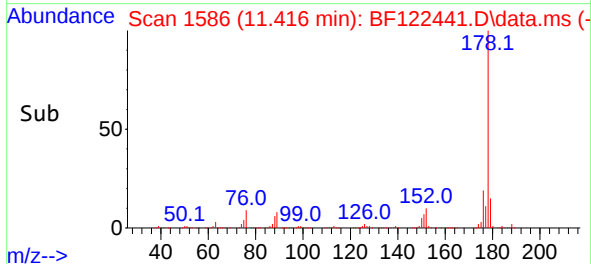
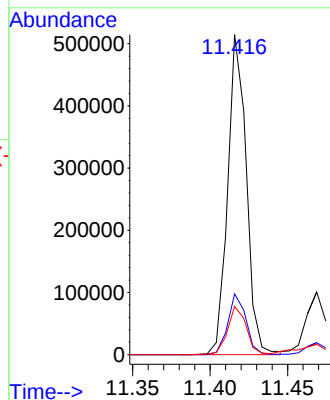
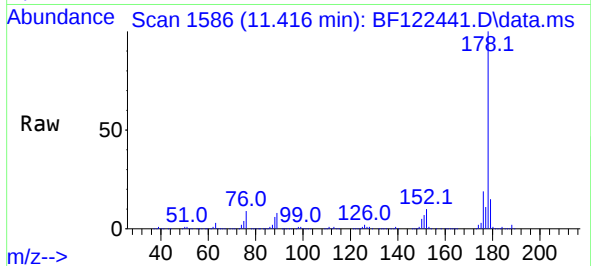




#71
Phenanthrene
Concen: 9.50 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

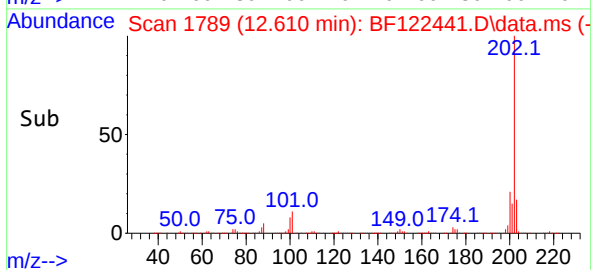
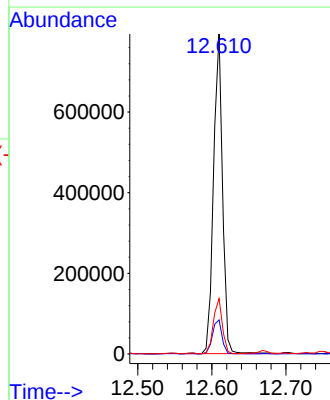
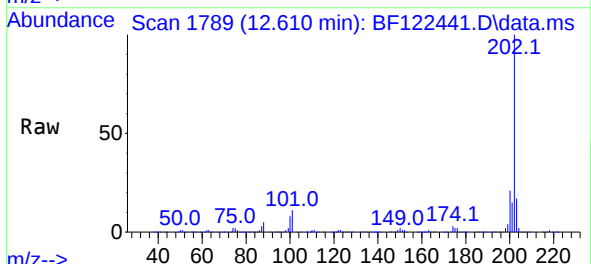
Instrument :
BNA_F
ClientSampleId :
PH-TP

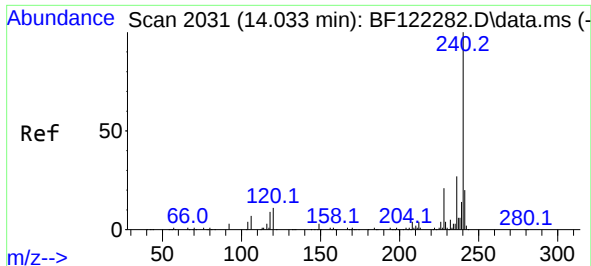
Tgt Ion:178 Resp: 430002
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.1 12.2 18.4



#75
Fluoranthene
Concen: 14.13 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.012 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:202 Resp: 667270
Ion Ratio Lower Upper
202 100
101 10.6 0.0 33.4
203 17.3 0.0 37.9

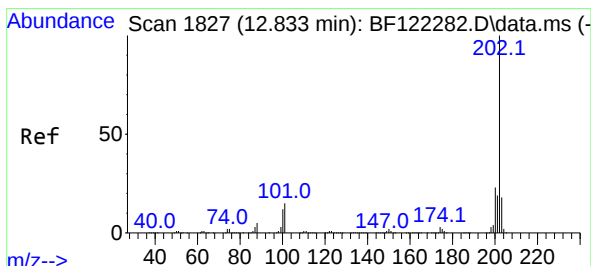
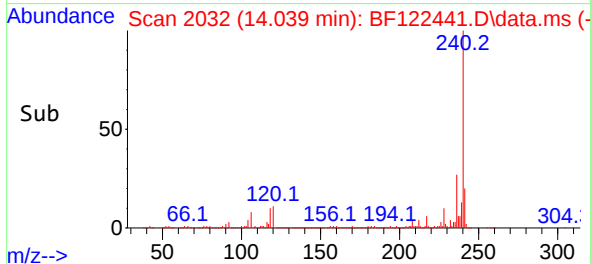
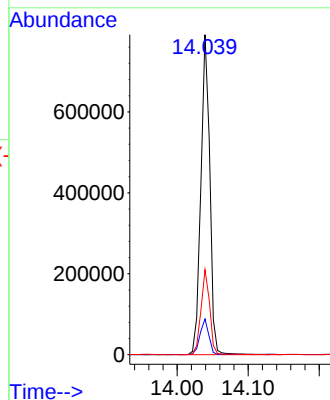
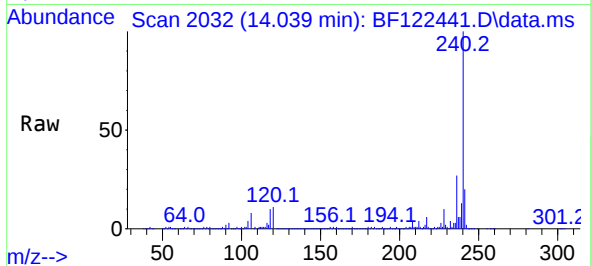




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

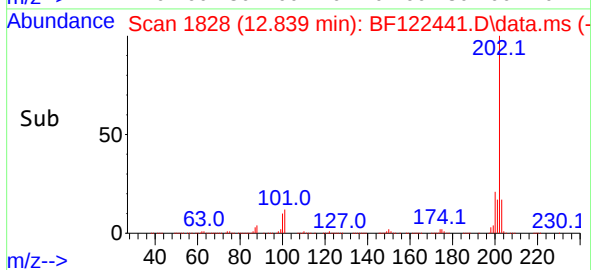
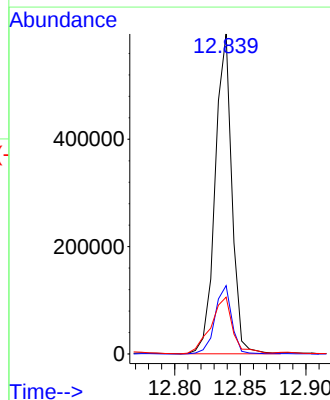
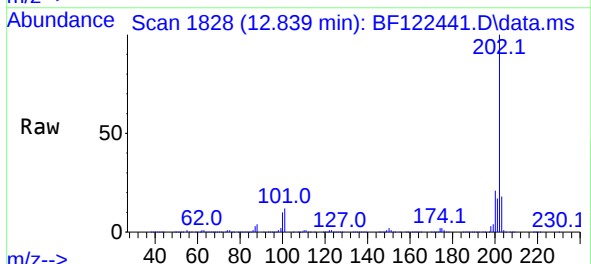
Instrument :
BNA_F
ClientSampleId :
PH-TP

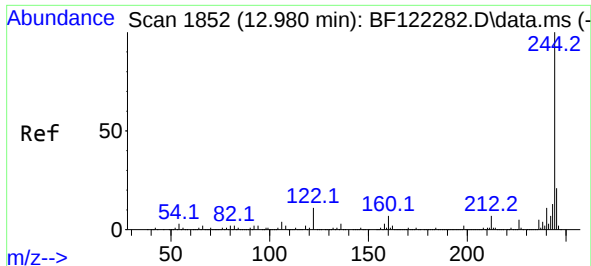
Tgt Ion:240 Resp: 693145
Ion Ratio Lower Upper
240 100
120 11.1 9.2 13.8
236 26.5 20.9 31.3



#78
Pyrene
Concen: 10.82 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.012 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:202 Resp: 526888
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 17.7 14.6 21.8

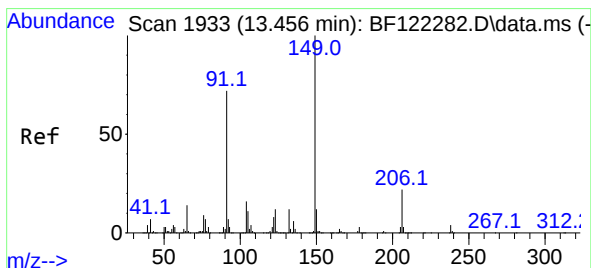
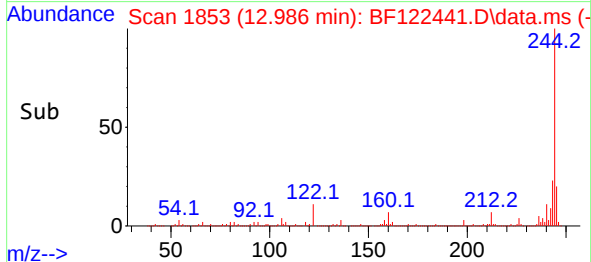
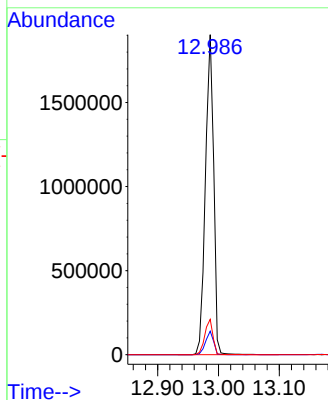
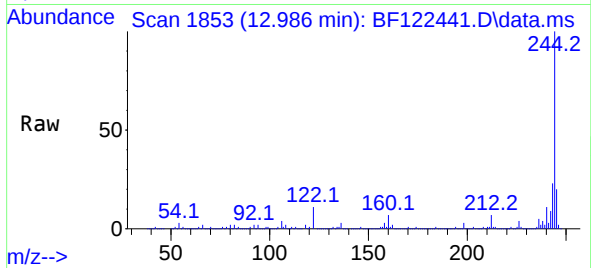




#79
 Terphenyl-d14
 Concen: 54.72 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF122441.D
 Acq: 22 Nov 2020 2:09

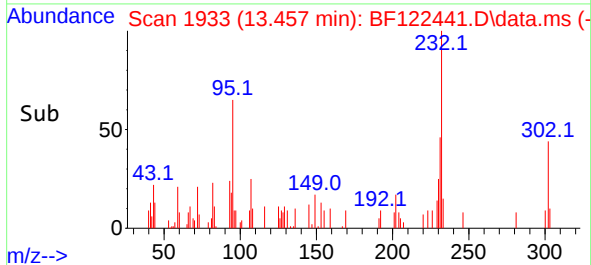
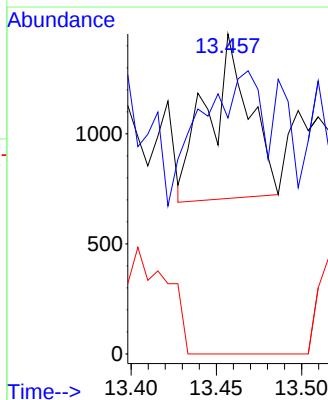
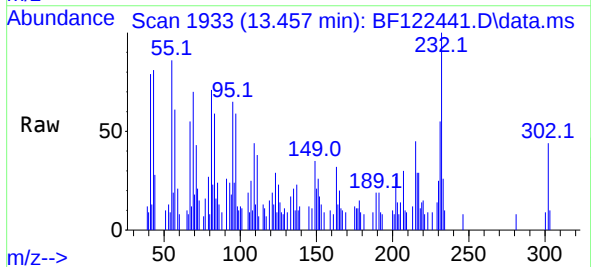
Instrument :
 BNA_F
 ClientSampleId :
 PH-TP

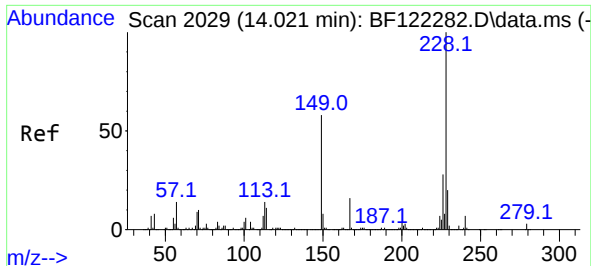
Tgt Ion:244 Resp: 1790272
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 11.1 8.1 12.1



#80
 Butylbenzylphthalate
 Concen: 3.35 ng
 RT: 13.457 min Scan# 1933
 Delta R.T. -0.012 min
 Lab File: BF122441.D
 Acq: 22 Nov 2020 2:09

Tgt Ion:149 Resp: 1270
 Ion Ratio Lower Upper
 149 100
 91 73.7 61.0 91.4
 206 0.0 16.7 25.1#

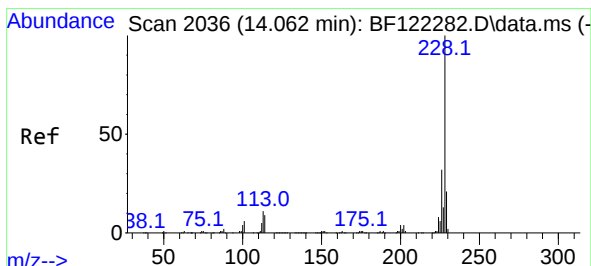
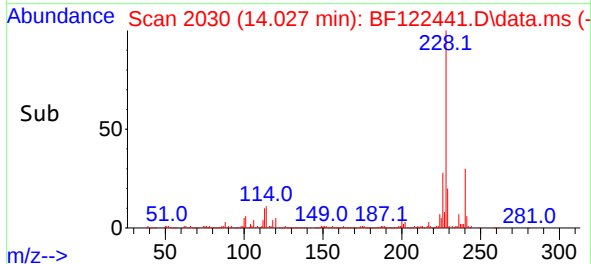
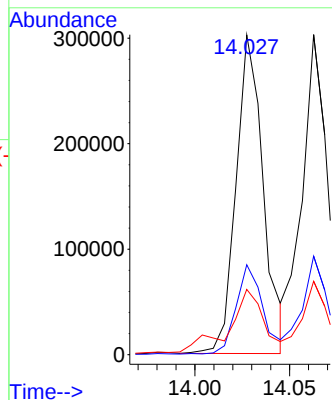
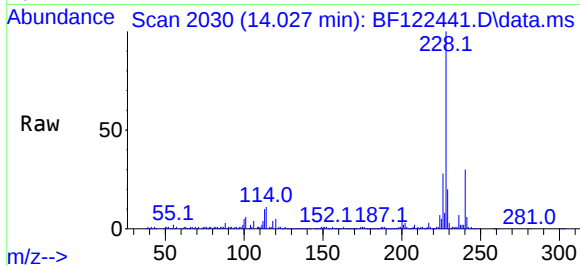




#81
Benzo(a)anthracene
Concen: 7.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

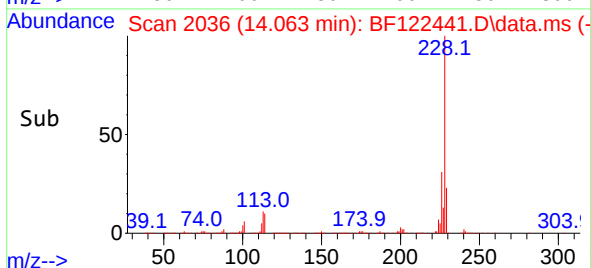
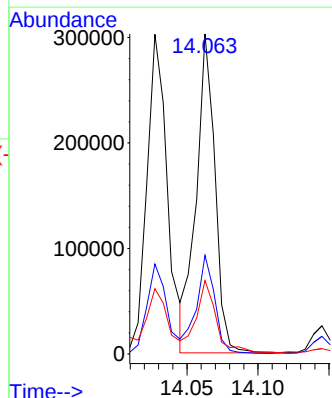
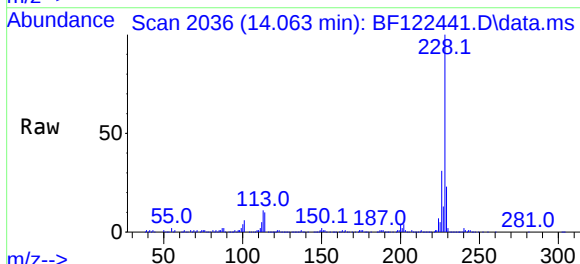
Instrument :
BNA_F
ClientSampleId :
PH-TP

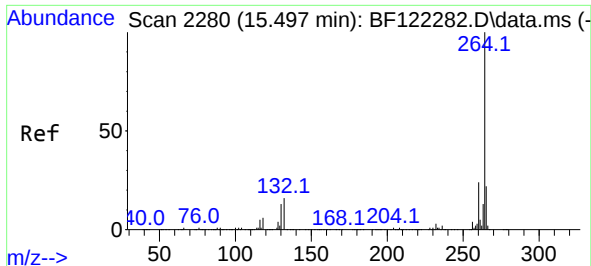
Tgt Ion:228 Resp: 301733
Ion Ratio Lower Upper
228 100
226 28.1 22.3 33.5
229 20.4 16.2 24.4



#83
Chrysene
Concen: 6.42 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.018 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:228 Resp: 278919
Ion Ratio Lower Upper
228 100
226 30.8 24.6 37.0
229 23.0 15.9 23.9

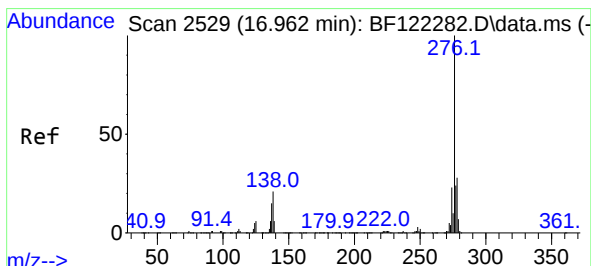
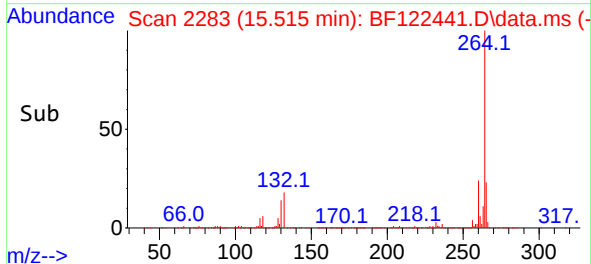
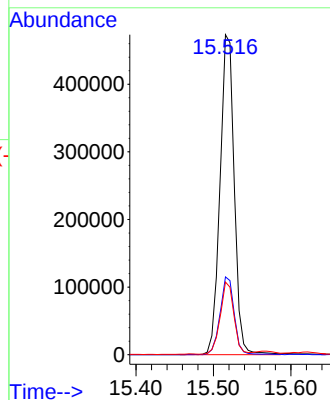
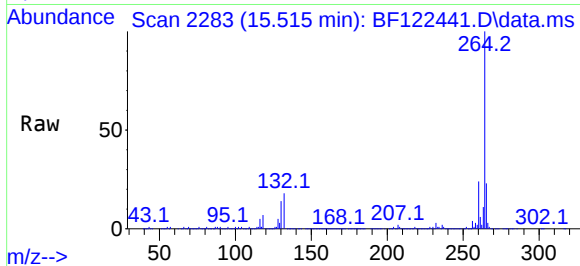




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. -0.018 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

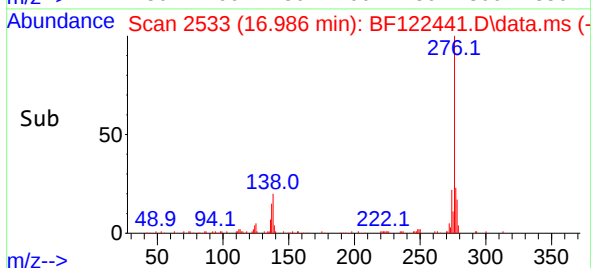
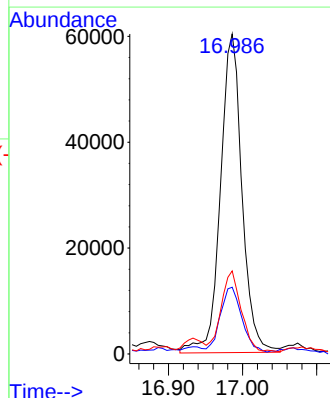
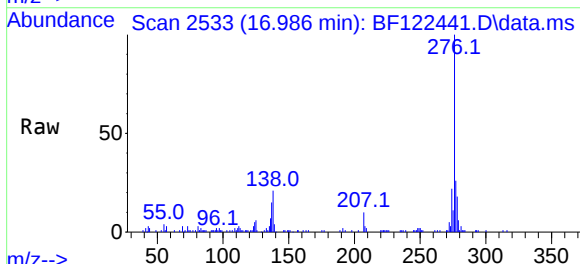
Instrument :
BNA_F
ClientSampleId :
PH-TP

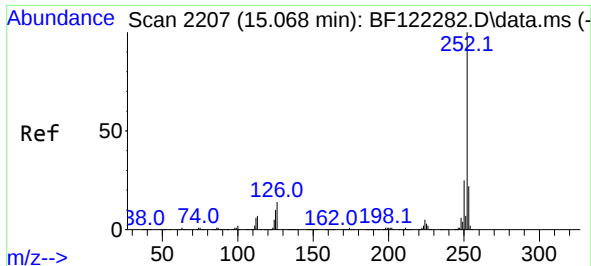
Tgt Ion:264 Resp: 606577
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 22.7 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.35 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.035 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:276 Resp: 121871
Ion Ratio Lower Upper
276 100
138 20.2 19.9 29.9
277 23.5 20.4 30.6

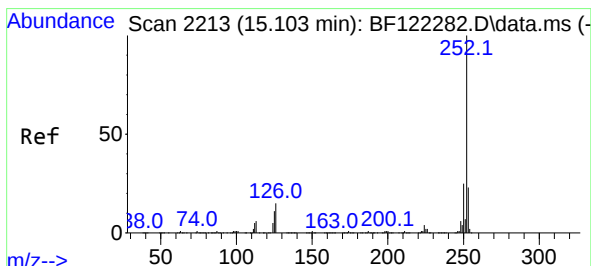
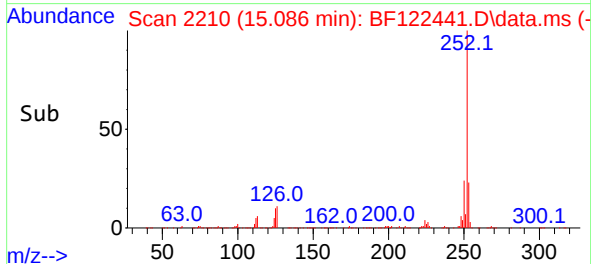
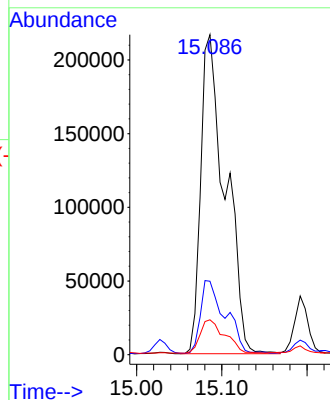
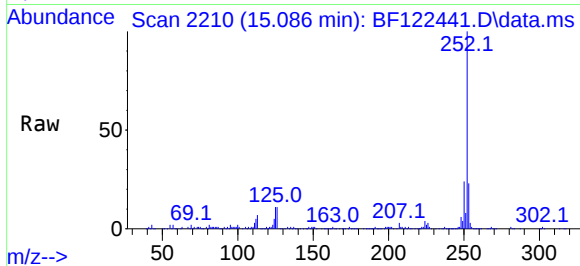




#88
Benzo(b)fluoranthene
Concen: 11.05 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.012 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

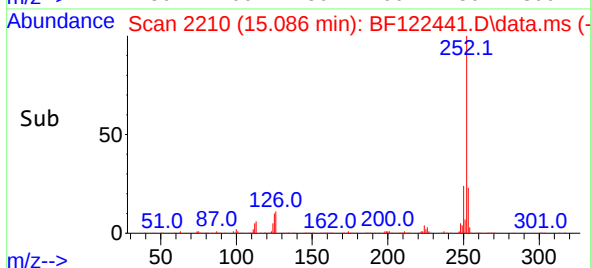
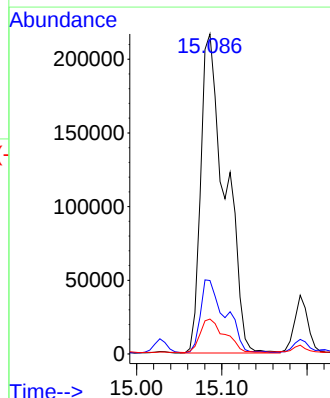
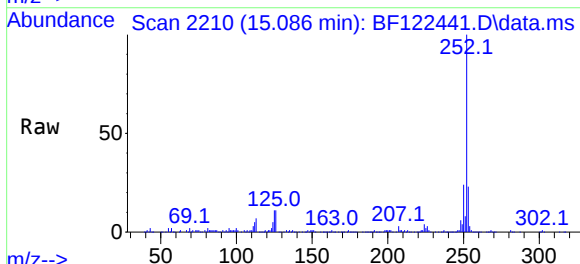
Instrument :
BNA_F
ClientSampleId :
PH-TP

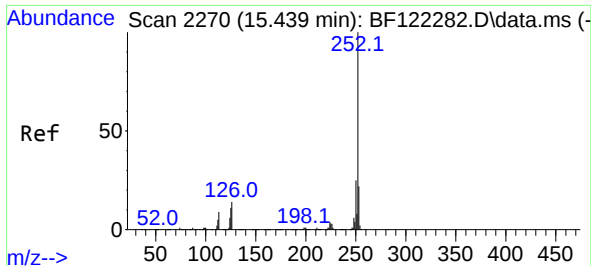
Tgt Ion:252	Resp:	434069
Ion Ratio	Lower	Upper
252	100	
253	23.0	18.2 27.2
125	10.9	8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 11.33 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.047 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:252	Resp:	434069
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.8 26.6
125	10.9	7.7 11.5

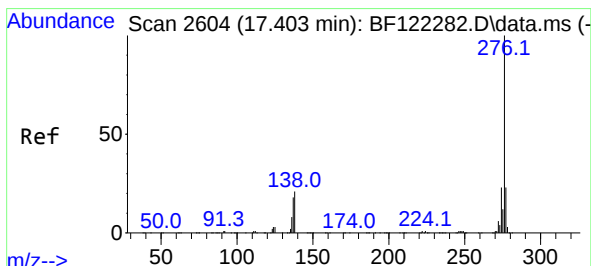
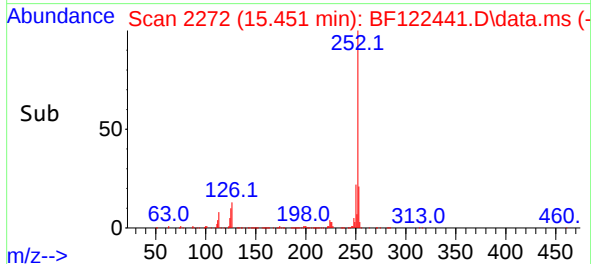
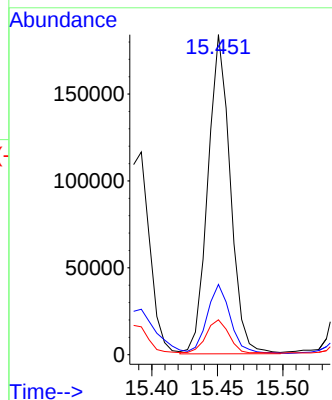
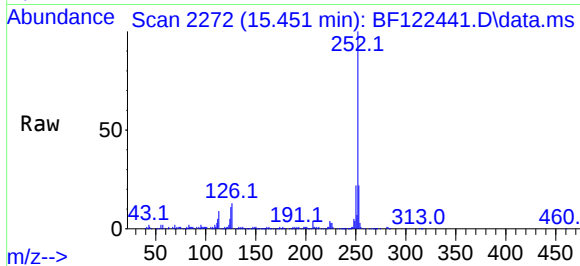




#90
Benzo(a)pyrene
Concen: 6.39 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.024 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Instrument :
BNA_F
ClientSampleId :
PH-TP

Tgt Ion:252 Resp: 218677
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 10.9 8.6 13.0



#92
Benzo(g,h,i)perylene
Concen: 3.83 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.041 min
Lab File: BF122441.D
Acq: 22 Nov 2020 2:09

Tgt Ion:276 Resp: 113692
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.2
138 20.6 17.8 26.6

