

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111220\
 Data File : BF122323.D
 Acq On : 12 Nov 2020 19:11
 Operator : JU/CG
 Sample : L4719-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3A-S

Quant Time: Nov 13 01:35:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 12:25:42 2020
 Response via : Initial Calibration

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

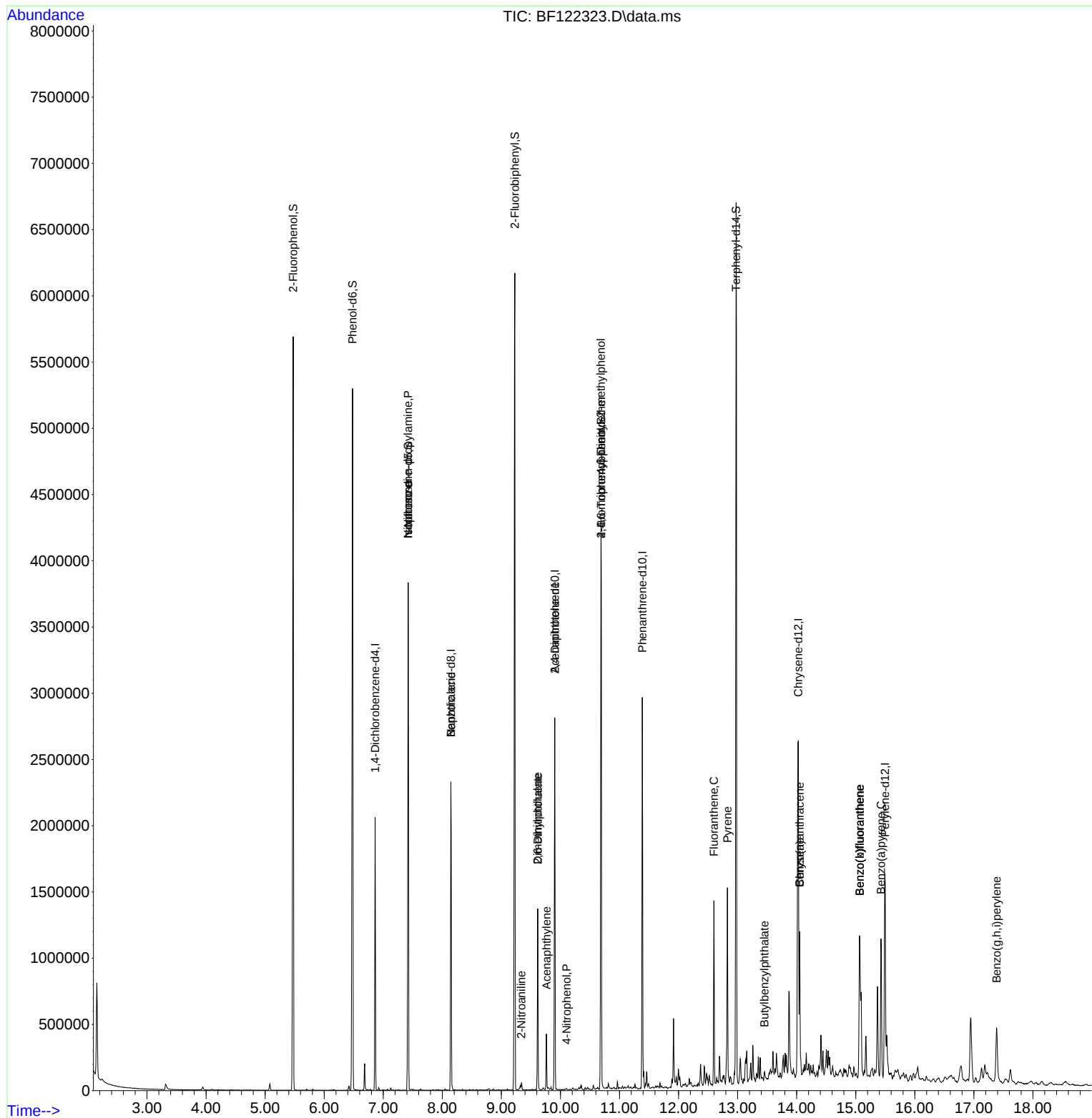
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	261282	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	1005620	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	528439	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	982991	20.00	ng	0.00
76) Chrysene-d12	14.027	240	753495	20.00	ng	0.00
86) Perylene-d12	15.498	264	735715	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1533711	90.13	ng	0.00
7) Phenol-d6	6.481	99	1983343	89.10	ng	-0.01
23) Nitrobenzene-d5	7.422	82	1197378	72.89	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	553851	97.65	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1953173	57.75	ng	0.00
79) Terphenyl-d14	12.974	244	2134357	60.01	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	3270	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.422	70	164036	12.33	ng	# 78
25) Isophorone	7.422	82	1196356	32.67	ng	# 67
32) Benzoic acid	8.145	122	156	7.97	ng	# 1
48) 2-Nitroaniline	9.339	65	631	5.23	ng	# 6
49) Acenaphthylene	9.763	152	153498	2.99	ng	98
50) Dimethylphthalate	9.616	163	461532	12.29	ng	99
51) 2,6-Dinitrotoluene	9.616	165	4911	4.36	ng	# 16
56) 4-Nitrophenol	10.104	139	916	5.51	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	68499	10.58	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.686	198	1152	6.49	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	35219	3.05	ng	# 1
75) Fluoranthene	12.598	202	487327	8.37	ng	98
78) Pyrene	12.827	202	539988	10.20	ng	99
80) Butylbenzylphthalate	13.457	149	464	3.31	ng	# 1
81) Benzo(a)anthracene	14.051	228	388213	8.28	ng	97
83) Chrysene	14.051	228	388213	8.22	ng	99
88) Benzo(b)fluoranthene	15.068	252	862545	18.10	ng	99
89) Benzo(k)fluoranthene	15.068	252	862545	18.56	ng	99
90) Benzo(a)pyrene	15.427	252	470453	11.33	ng	98
92) Benzo(g,h,i)perylene	17.386	276	323071	8.98	ng	98

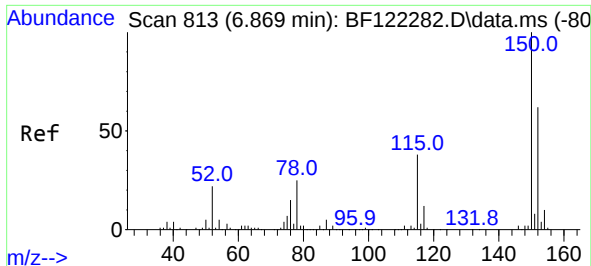
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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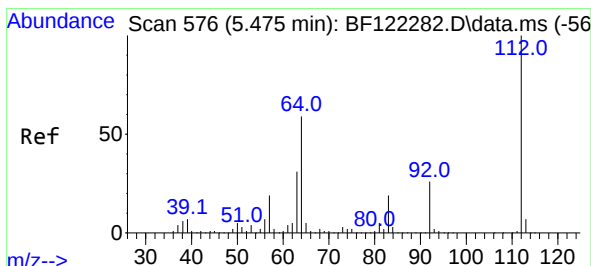
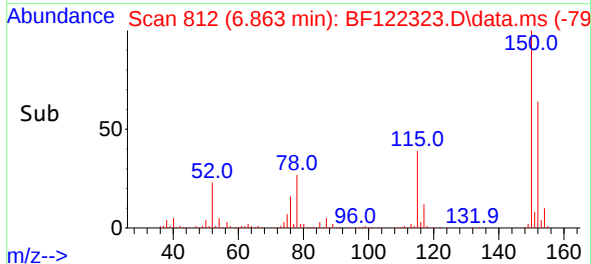
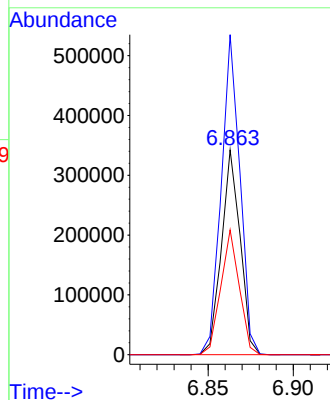
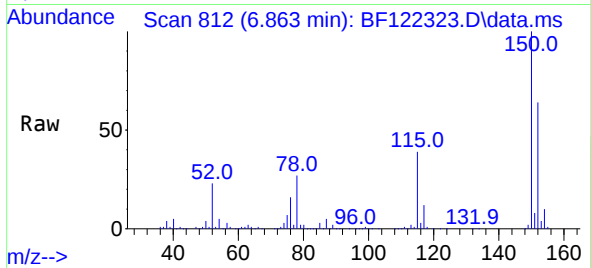




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

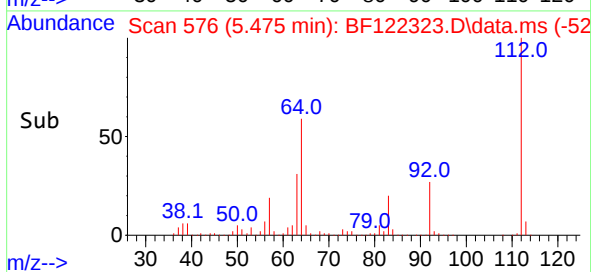
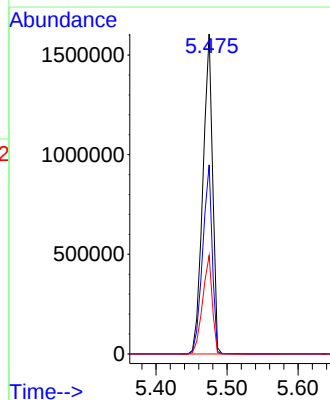
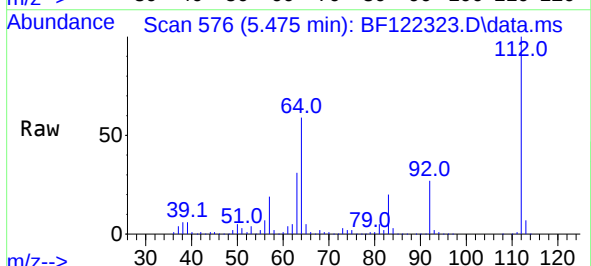
Instrument :
BNA_F
ClientSampleId :
TP-3A-S

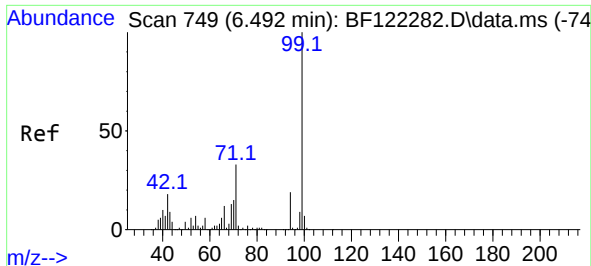
Tgt Ion:152 Resp: 261282
Ion Ratio Lower Upper
152 100
150 156.2 125.3 187.9
115 60.9 51.9 77.9



#5
2-Fluorophenol
Concen: 90.13 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:112 Resp: 1533711
Ion Ratio Lower Upper
112 100
64 59.1 50.4 75.6
63 30.8 25.8 38.6



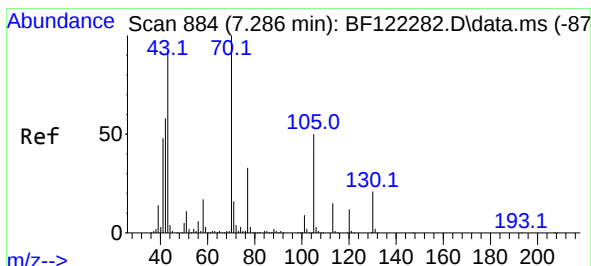
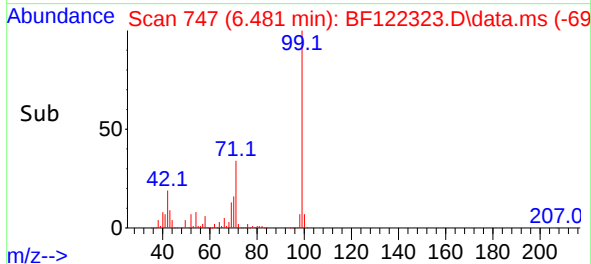
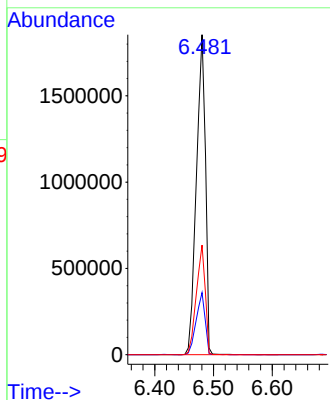
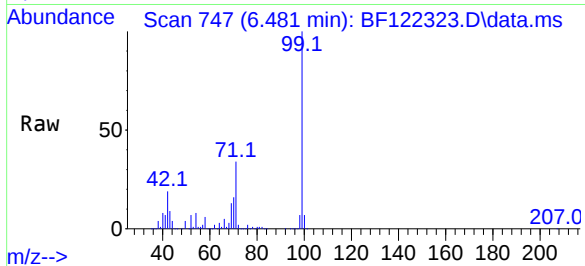


#7
Phenol-d6
Concen: 89.10 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Instrument :
BNA_F
ClientSampleId :
TP-3A-S

Tgt Ion: 99 Resp: 1983343

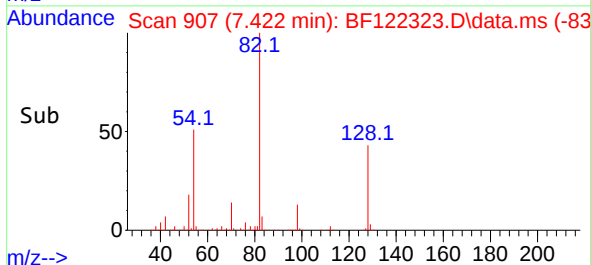
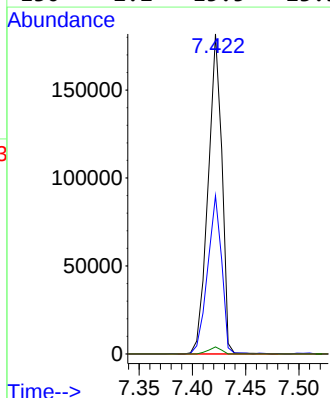
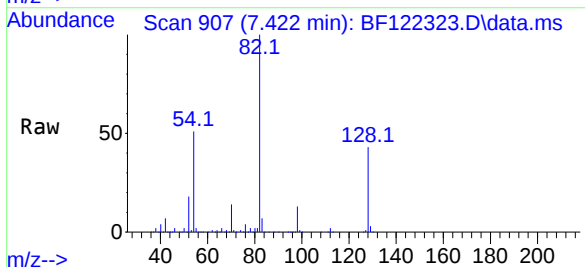
Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.9	23.9
71	34.3	27.1	40.7

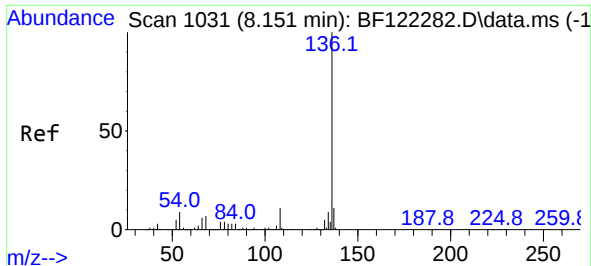


#19
n-Nitroso-di-n-propylamine
Concen: 12.33 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion: 70 Resp: 164036

Ion	Ratio	Lower	Upper
70	100		
42	49.4	50.2	75.4#
101	0.0	7.5	11.3#
130	2.2	15.5	23.3#



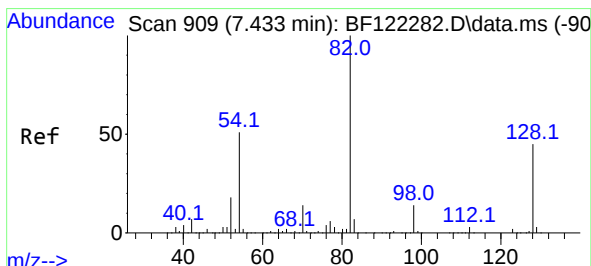
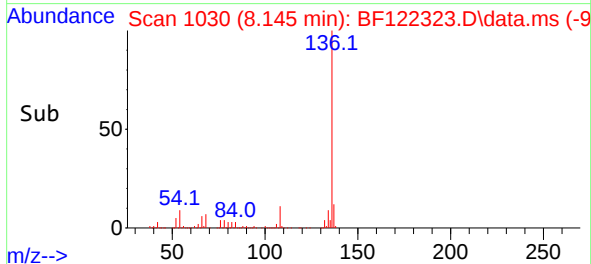
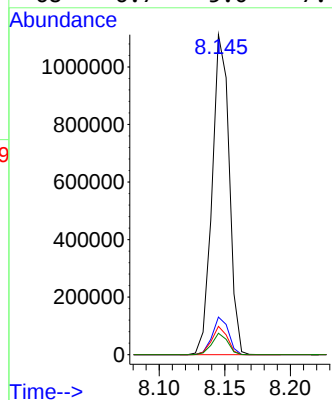
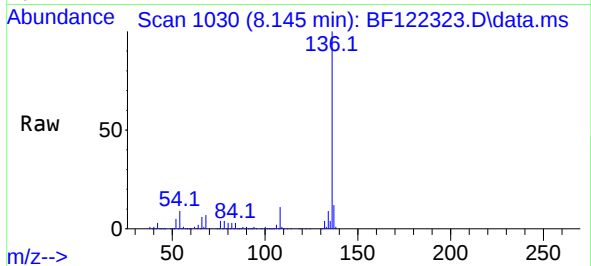


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Instrument :
BNA_F
ClientSampled :
TP-3A-S

Tgt Ion:136 Resp: 1005620

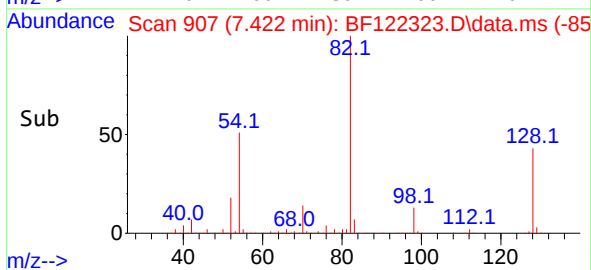
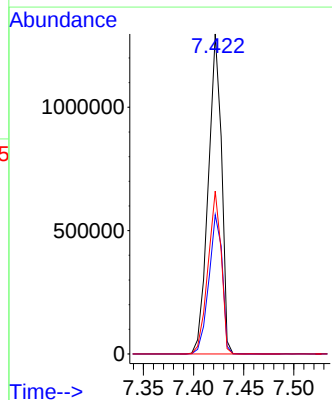
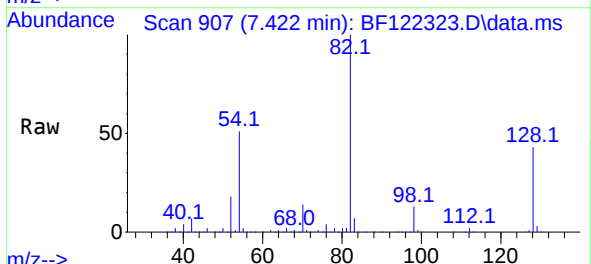
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.6	13.0
54	8.9	7.1	10.7
68	6.7	5.0	7.4

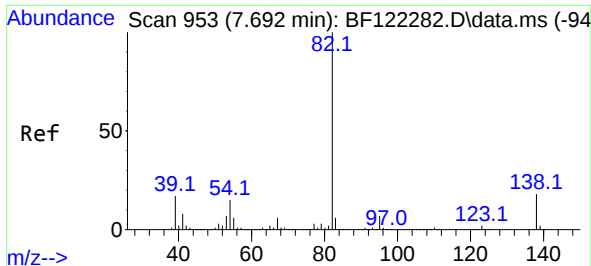


#23
Nitrobenzene-d5
Concen: 72.89 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion: 82 Resp: 1197378

Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.0	52.4
54	50.9	43.9	65.9

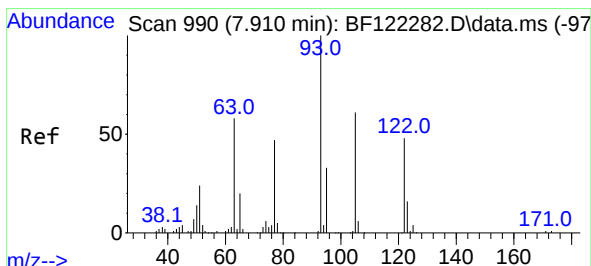
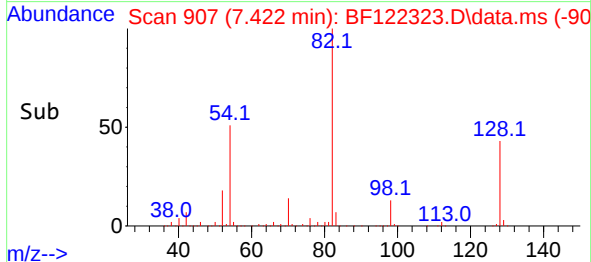
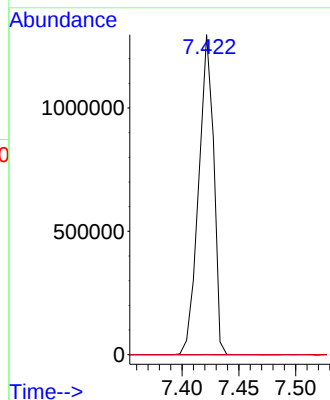
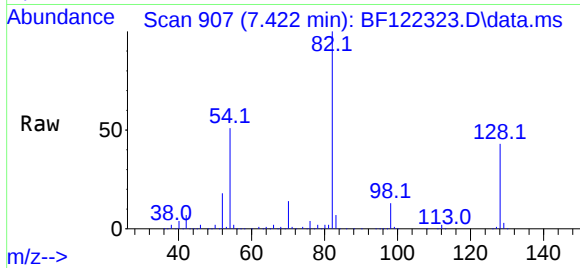




#25
Isophorone
Concen: 32.67 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.270 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

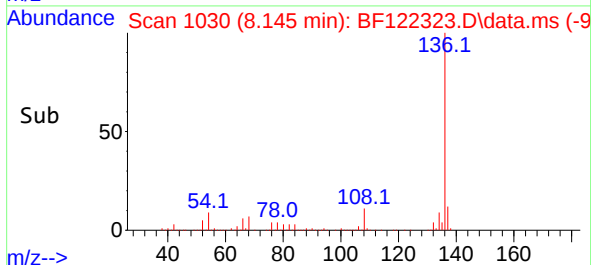
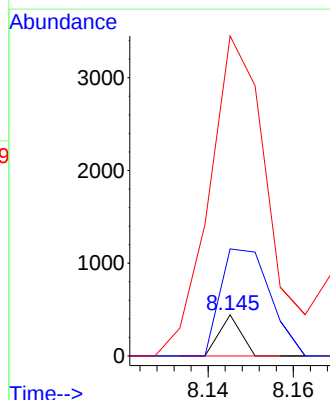
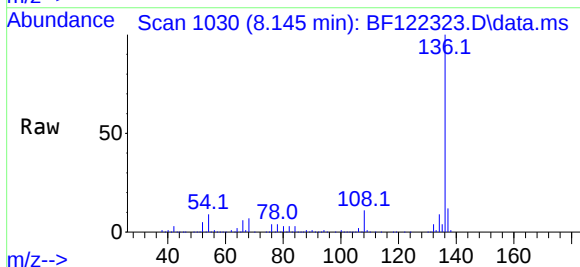
Instrument :
BNA_F
ClientSampled :
TP-3A-S

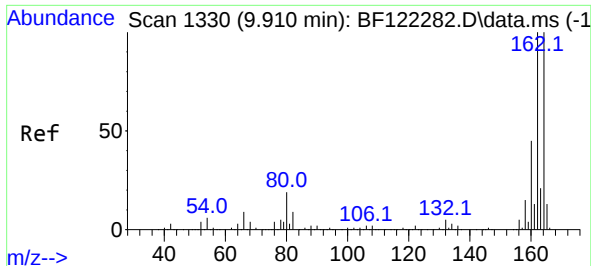
Tgt Ion: 82 Resp: 1196356
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#



#32
Benzoic acid
Concen: 7.97 ng
RT: 8.145 min Scan# 1030
Delta R.T. 0.235 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion: 122 Resp: 156
Ion Ratio Lower Upper
122 100
105 260.5 103.3 143.3#
77 779.0 73.9 113.9#





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF122323.D

Acq: 12 Nov 2020 19:11

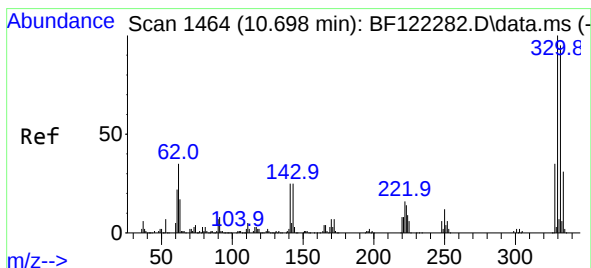
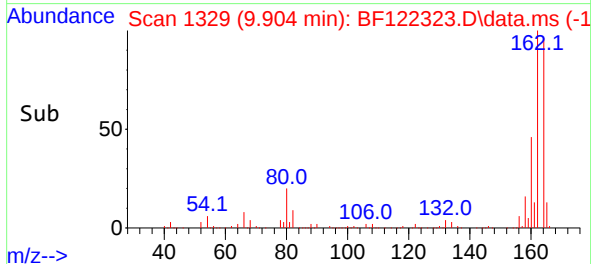
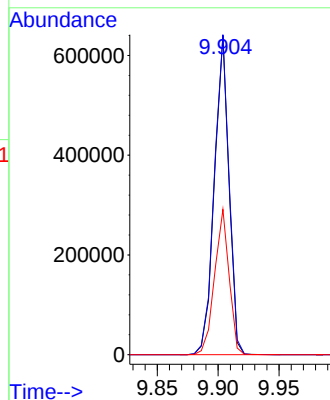
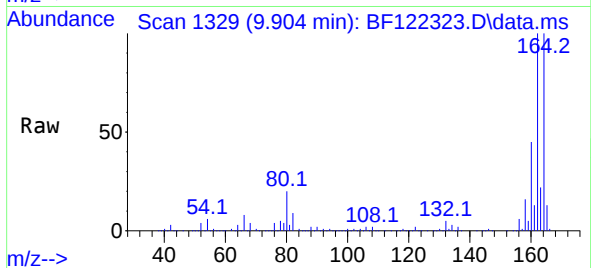
Tgt Ion:164 Resp: 528439

Ion Ratio Lower Upper

164 100

162 100.2 83.2 124.8

160 45.5 37.5 56.3



#42

2,4,6-Tribromophenol

Concen: 97.65 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF122323.D

Acq: 12 Nov 2020 19:11

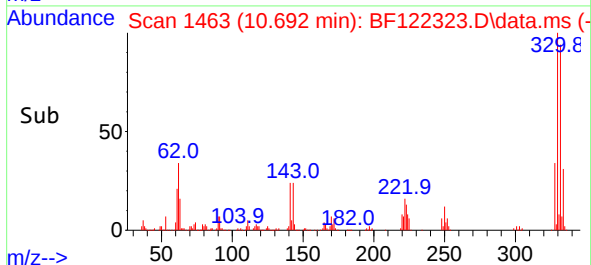
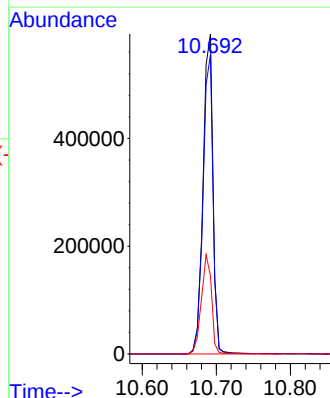
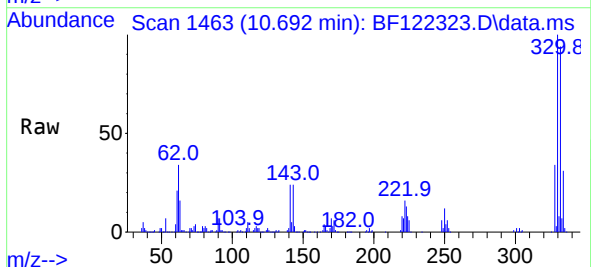
Tgt Ion:330 Resp: 553851

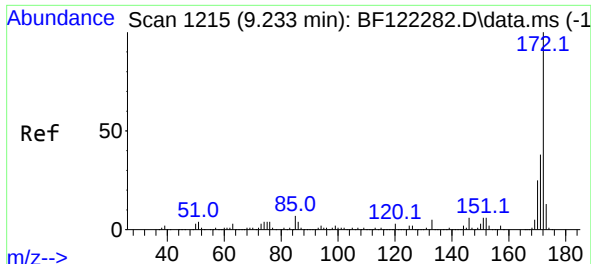
Ion Ratio Lower Upper

330 100

332 94.1 77.3 115.9

141 31.7 22.3 33.5

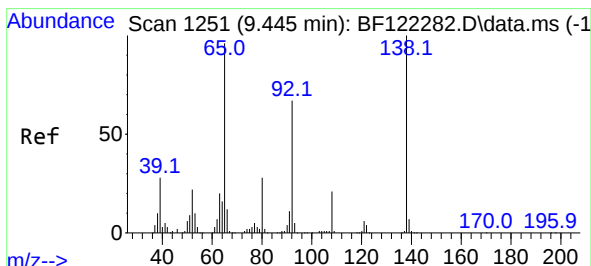
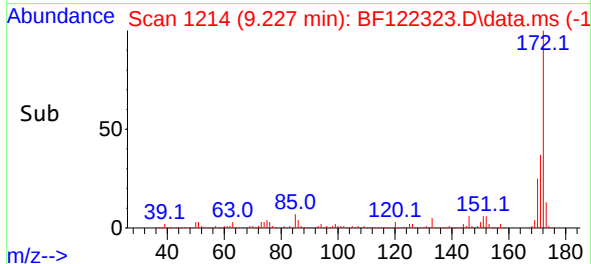
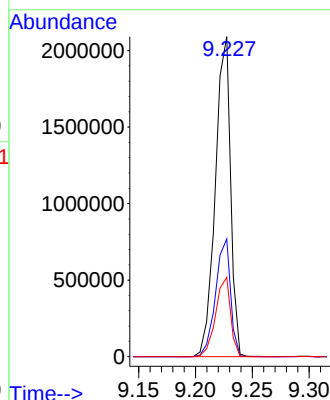
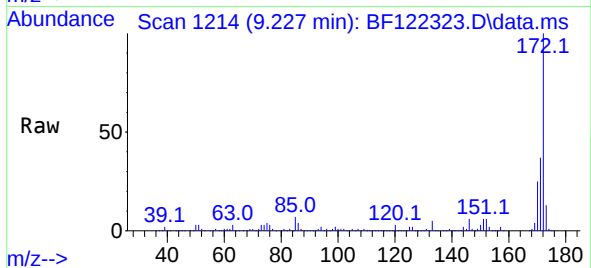




#45
2-Fluorobiphenyl
Concen: 57.75 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

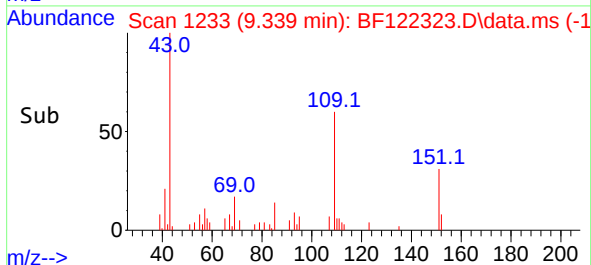
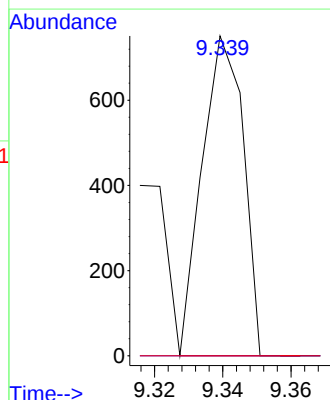
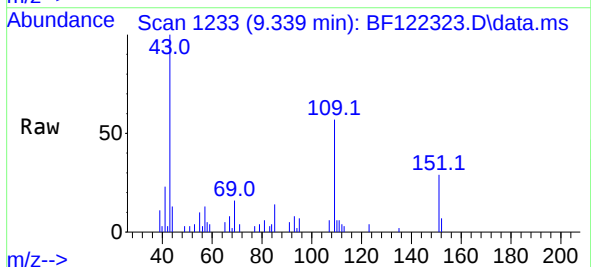
Instrument :
BNA_F
ClientSampleId :
TP-3A-S

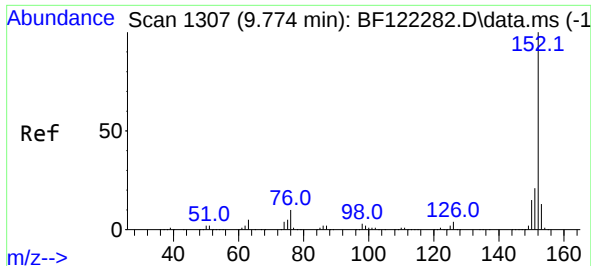
Tgt Ion:172 Resp: 1953173
Ion Ratio Lower Upper
172 100
171 36.8 29.1 43.7
170 24.8 19.8 29.6



#48
2-Nitroaniline
Concen: 5.23 ng
RT: 9.339 min Scan# 1233
Delta R.T. -0.106 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion: 65 Resp: 631
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#



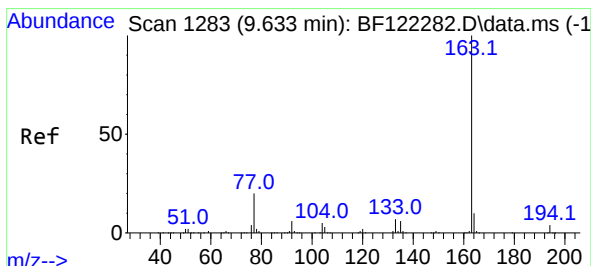
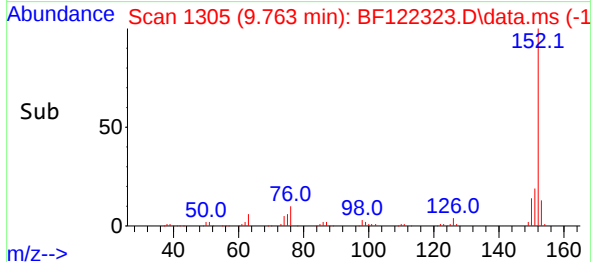
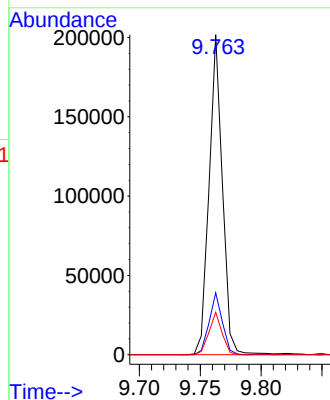
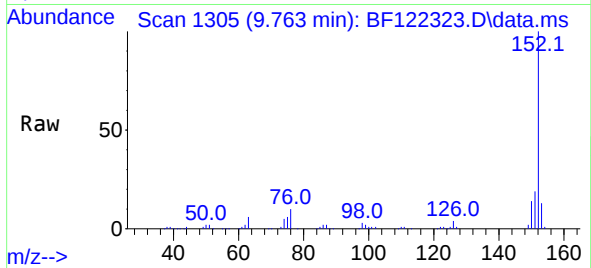


#49
Acenaphthylene
Concen: 2.99 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Instrument :
BNA_F
ClientSampleId :
TP-3A-S

Tgt Ion:152 Resp: 153498

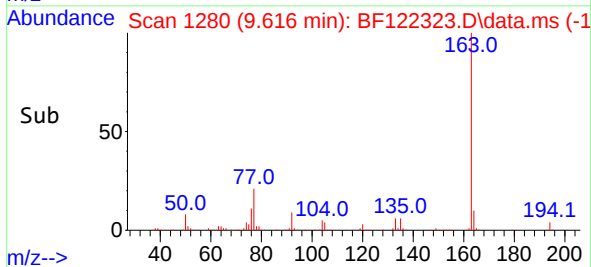
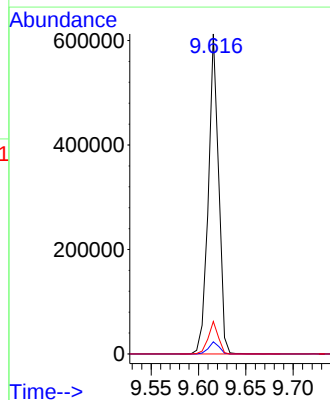
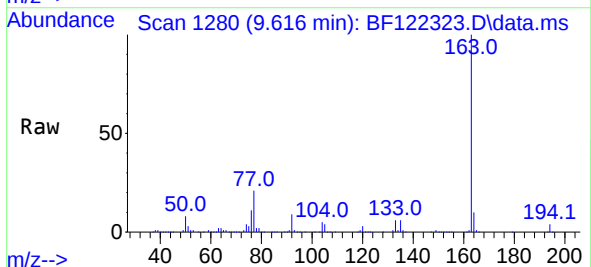
Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.4	24.6
153	13.3	10.6	15.8

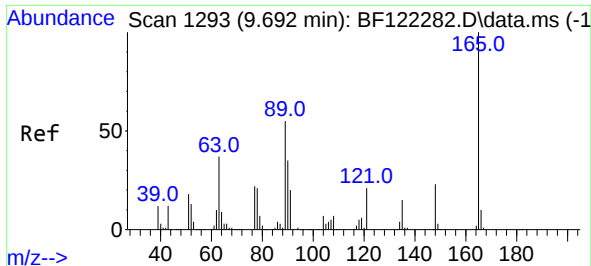


#50
Dimethylphthalate
Concen: 12.29 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:163 Resp: 461532

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	10.1	8.2	12.4

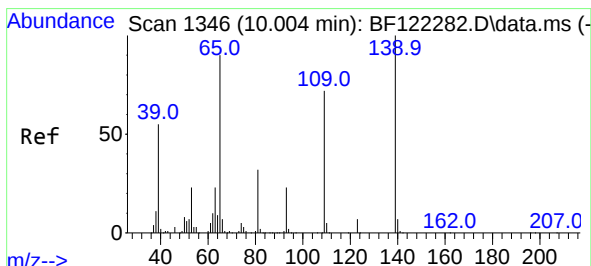
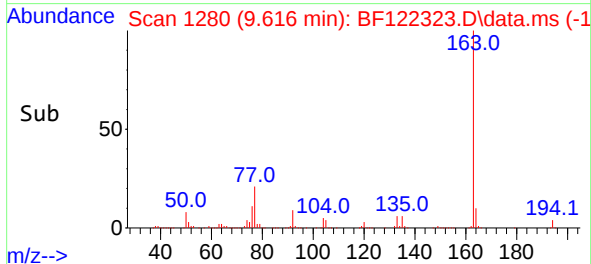
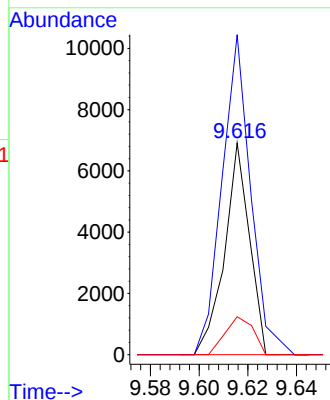
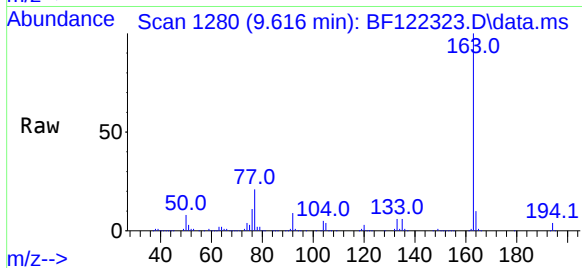




#51
2,6-Dinitrotoluene
Concen: 4.36 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.076 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

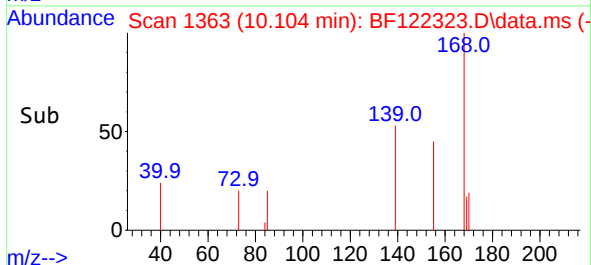
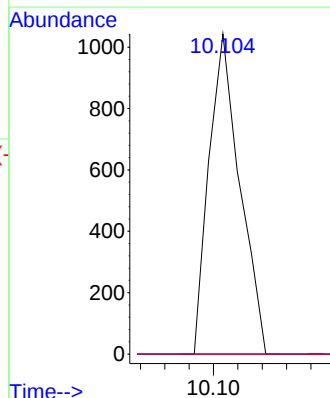
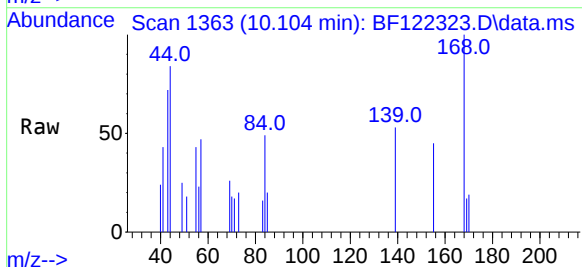
Instrument :
BNA_F
ClientSampled :
TP-3A-S

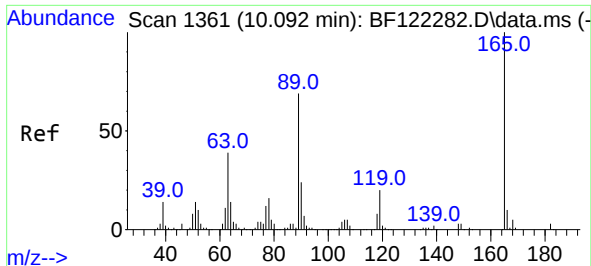
Tgt Ion:165 Resp: 4911
Ion Ratio Lower Upper
165 100
63 151.1 51.8 77.6#
89 17.9 49.0 73.6#



#56
4-Nitrophenol
Concen: 5.51 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.100 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:139 Resp: 916
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#

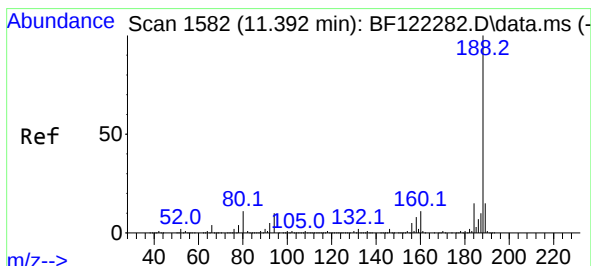
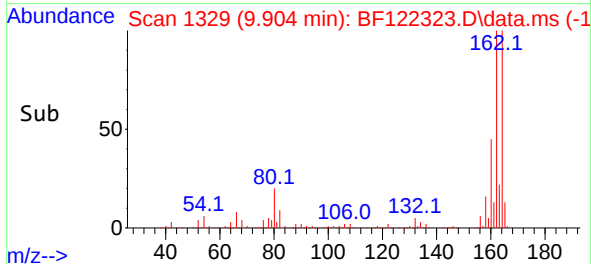
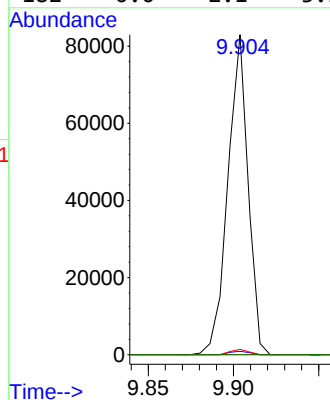
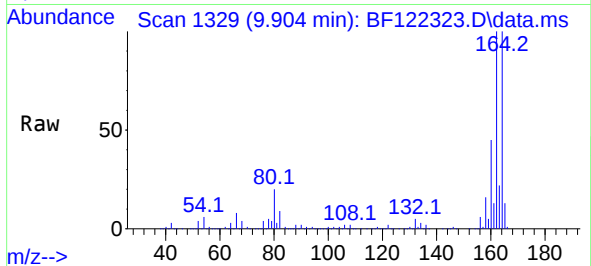




#57
2,4-Dinitrotoluene
Concen: 10.58 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

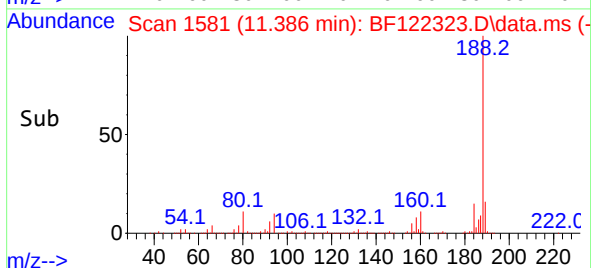
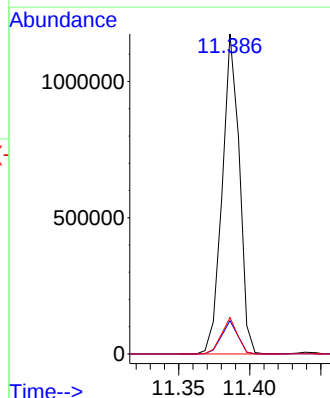
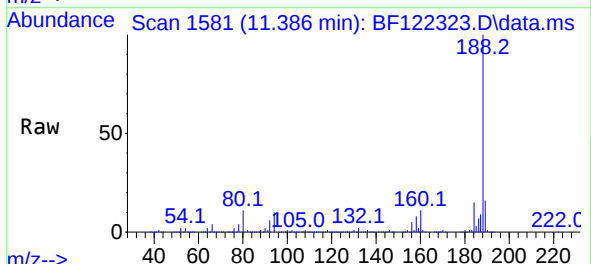
Instrument :
BNA_F
ClientSampled :
TP-3A-S

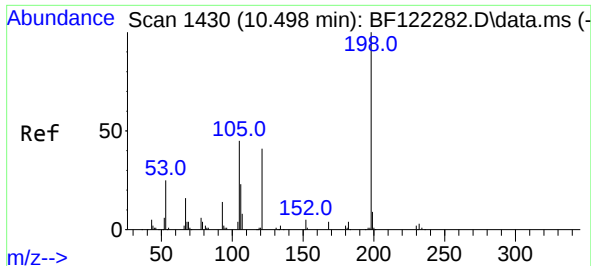
Tgt Ion:165	Resp:	68499
Ion Ratio	Lower	Upper
165	100	
63	1.0	41.3 61.9#
89	1.7	61.8 92.8#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:188	Resp:	982991
Ion Ratio	Lower	Upper
188	100	
94	10.4	8.3 12.5
80	11.4	9.1 13.7

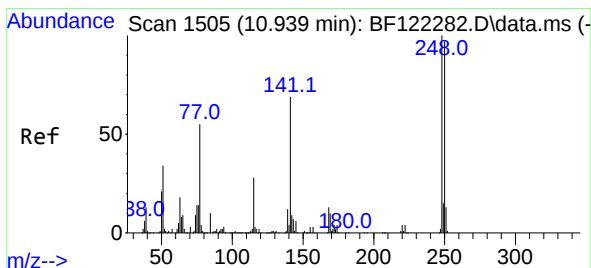
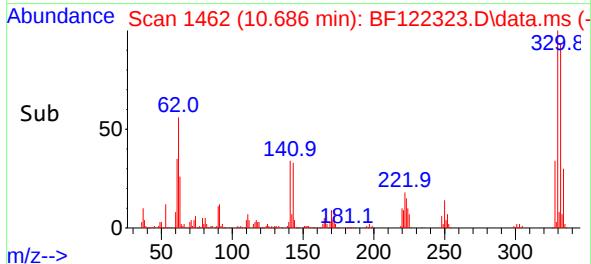
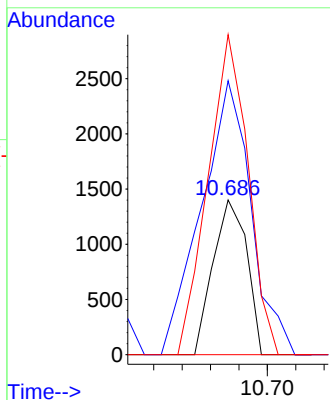
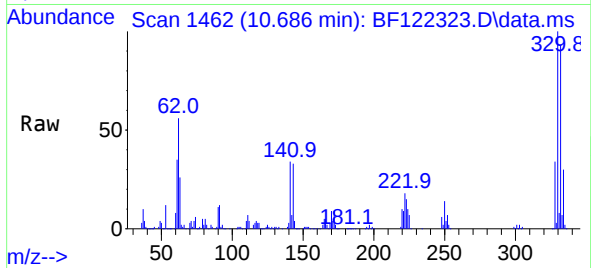




#65
4,6-Dinitro-2-methylphenol
Concen: 6.49 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

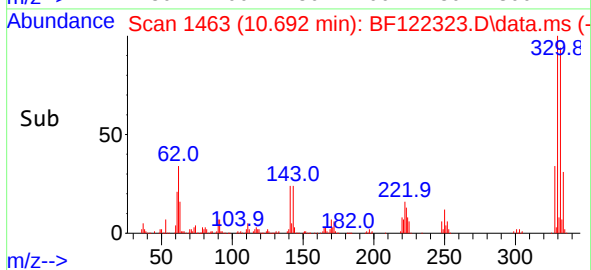
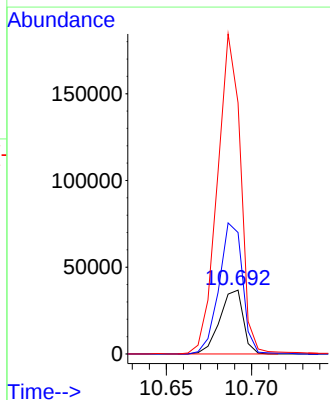
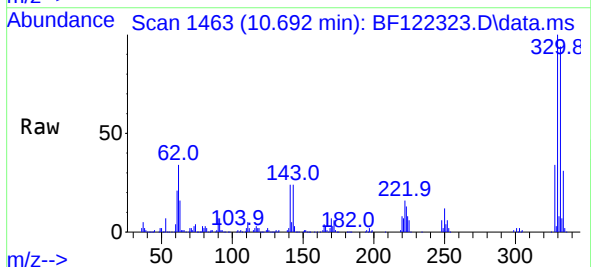
Instrument :
BNA_F
ClientSampled :
TP-3A-S

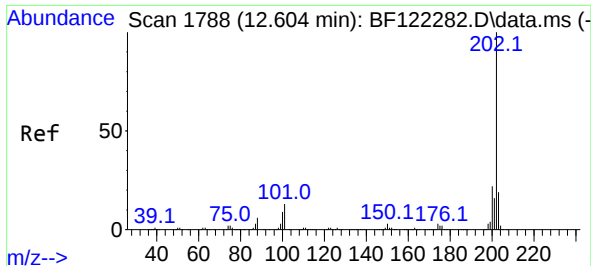
Tgt Ion:198 Resp: 1152
Ion Ratio Lower Upper
198 100
51 177.2 29.6 69.6#
105 206.9 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 3.05 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:248 Resp: 35219
Ion Ratio Lower Upper
248 100
250 190.5 77.0 115.6#
141 393.6 53.7 80.5#

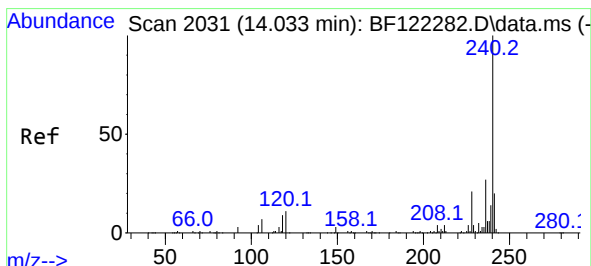
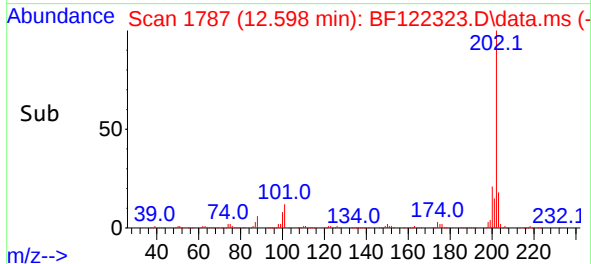
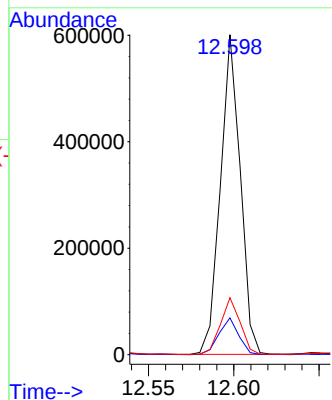
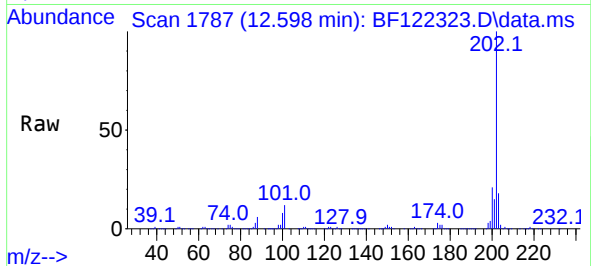




#75
Fluoranthene
Concen: 8.37 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

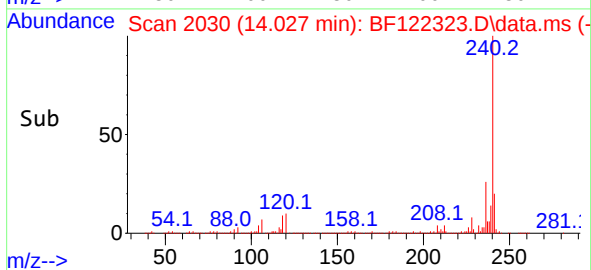
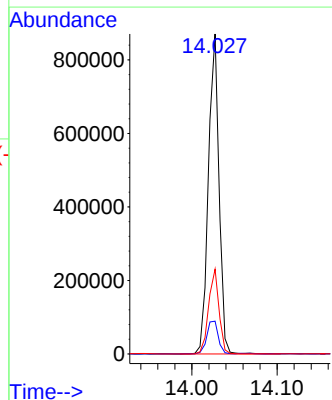
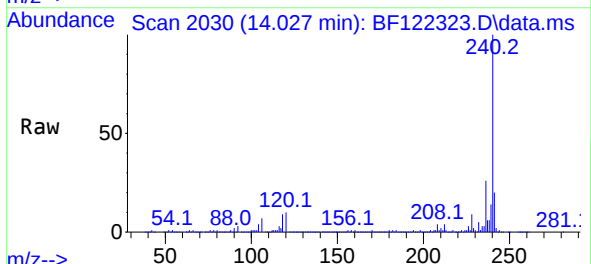
Instrument :
BNA_F
ClientSampleId :
TP-3A-S

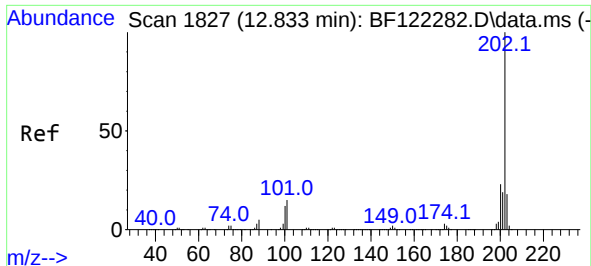
Tgt Ion:202 Resp: 487327
Ion Ratio Lower Upper
202 100
101 11.5 0.0 33.4
203 17.8 0.0 37.9



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:240 Resp: 753495
Ion Ratio Lower Upper
240 100
120 10.3 9.2 13.8
236 26.5 20.9 31.3

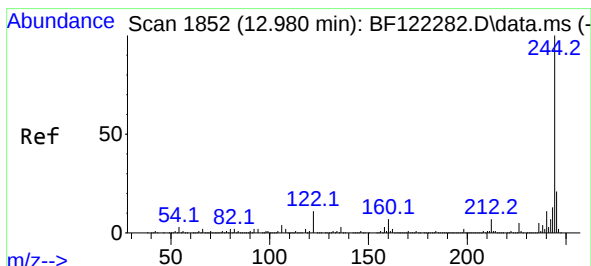
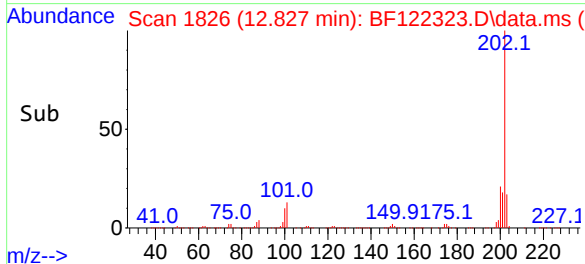
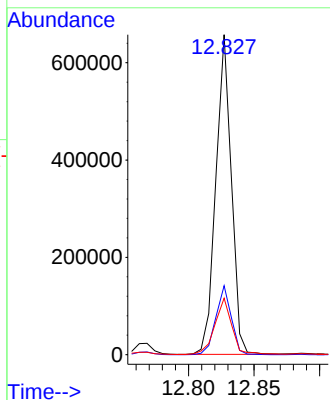
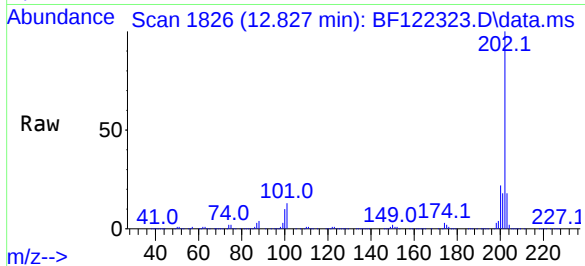




#78
Pyrene
Concen: 10.20 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

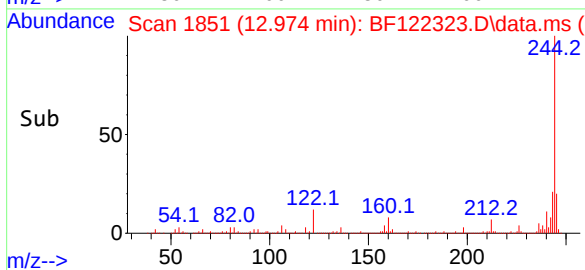
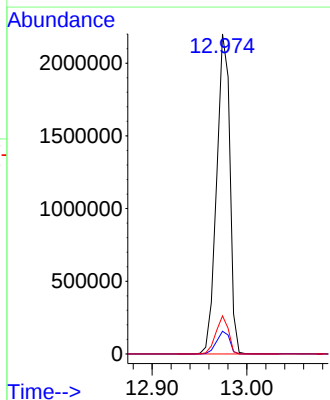
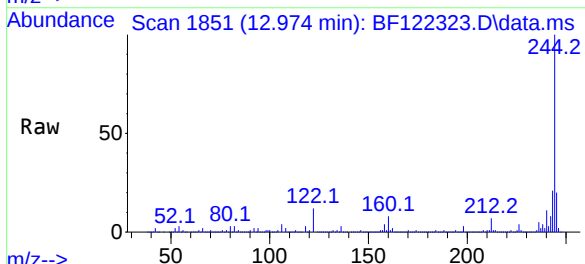
Instrument :
BNA_F
ClientSampled :
TP-3A-S

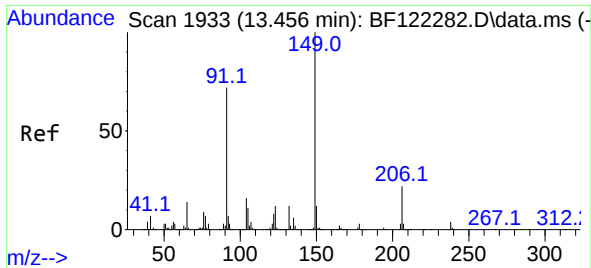
Tgt Ion:	202	Resp:	539988
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.7	14.6	21.8



#79
Terphenyl-d14
Concen: 60.01 ng
RT: 12.974 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:	244	Resp:	2134357
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.2
122	11.9	8.1	12.1



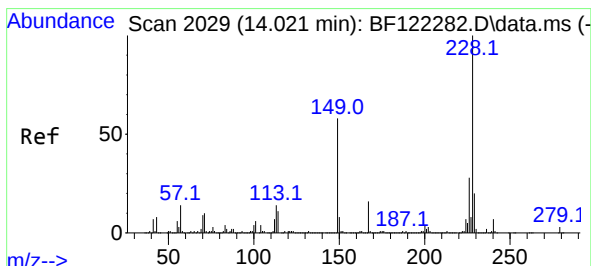
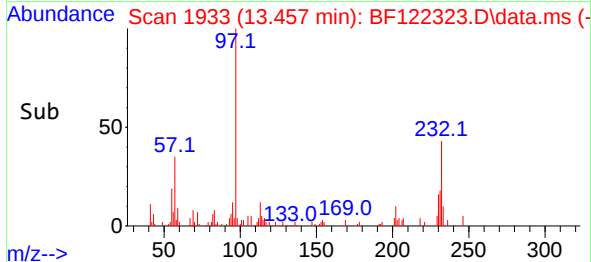
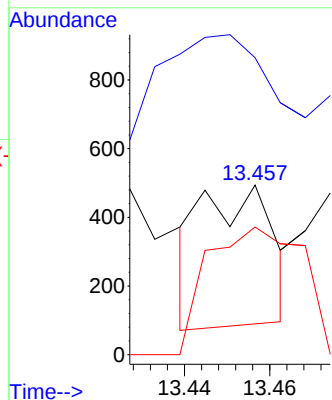
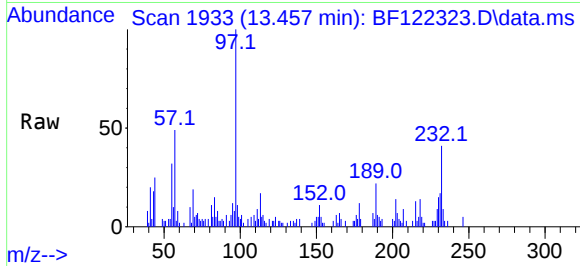


#80
Butylbenzylphthalate
Concen: 3.31 ng
RT: 13.457 min Scan# 1933
Delta R.T. 0.001 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Instrument :
BNA_F
ClientSampleId :
TP-3A-S

Tgt Ion:149 Resp: 464

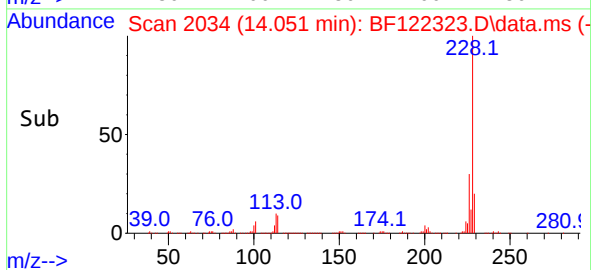
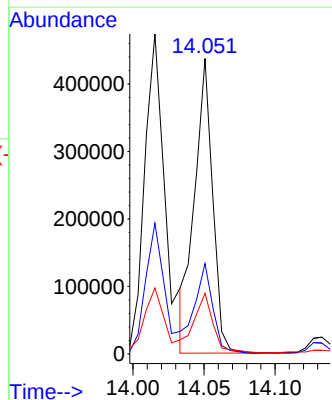
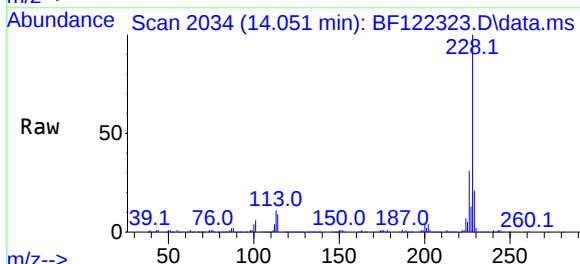
Ion	Ratio	Lower	Upper
149	100		
91	175.1	61.0	91.4#
206	75.3	16.7	25.1#

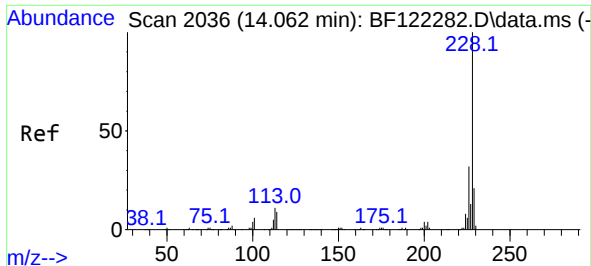


#81
Benzo(a)anthracene
Concen: 8.28 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.030 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:228 Resp: 388213

Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.3	33.5
229	20.5	16.2	24.4

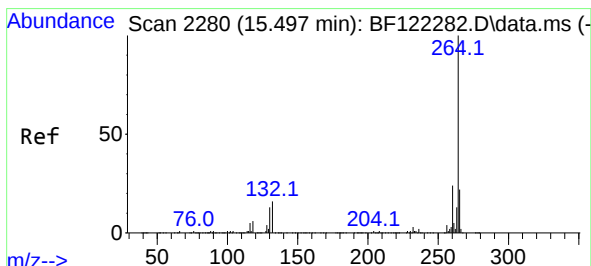
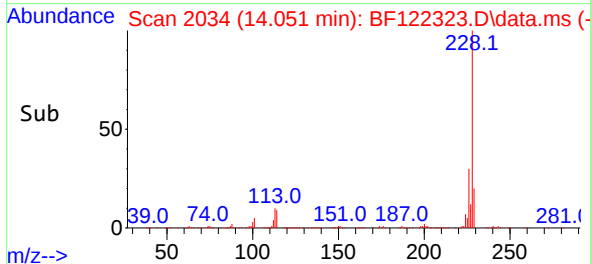
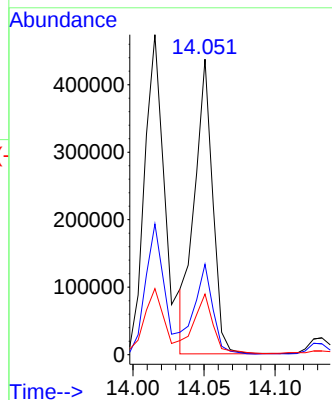
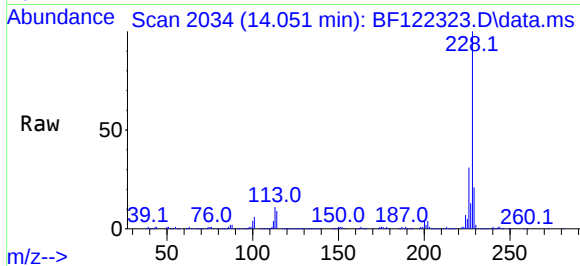




#83
Chrysene
Concen: 8.22 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

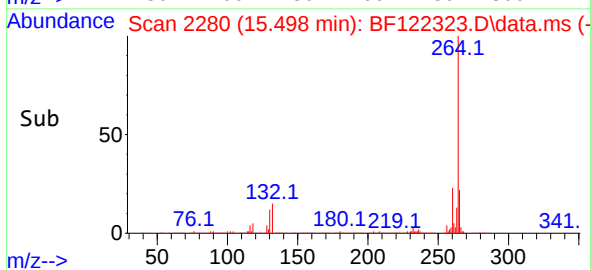
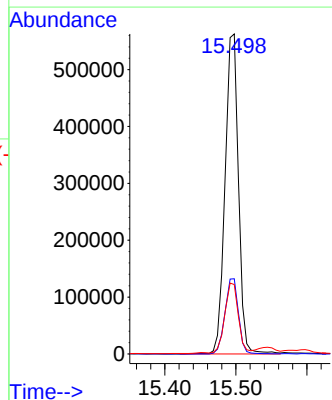
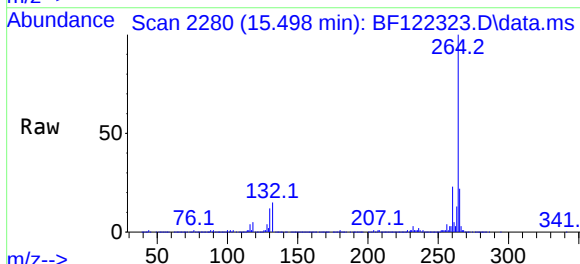
Instrument :
BNA_F
ClientSampled :
TP-3A-S

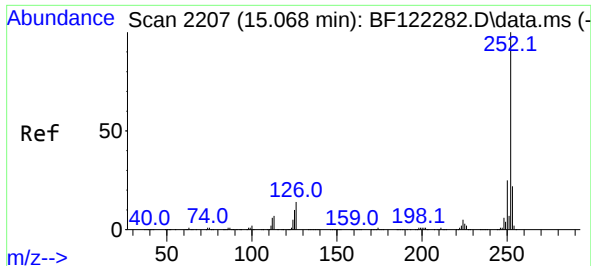
Tgt Ion:228 Resp: 388213
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 20.5 15.9 23.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:264 Resp: 735715
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.7 17.3 25.9

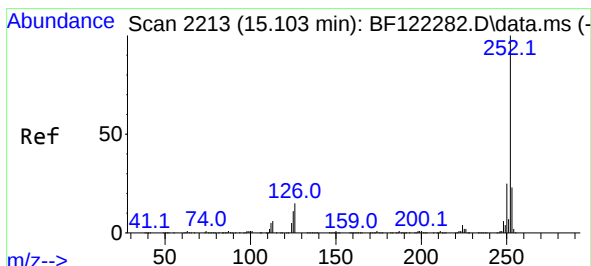
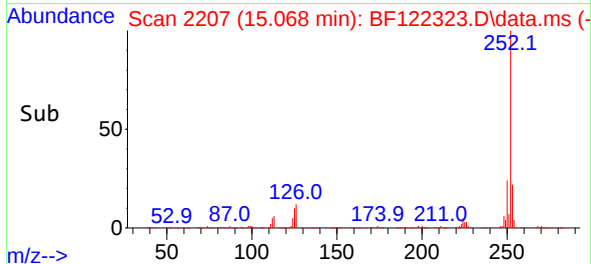
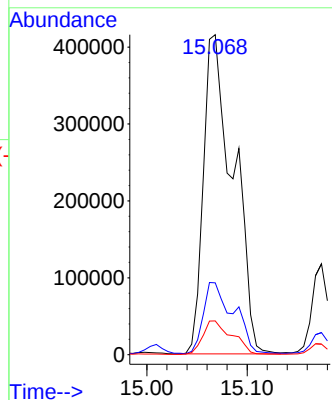
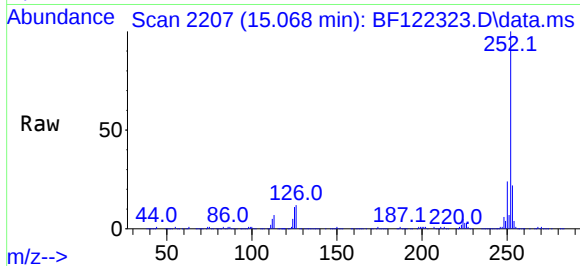




#88
Benzo(b)fluoranthene
Concen: 18.10 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

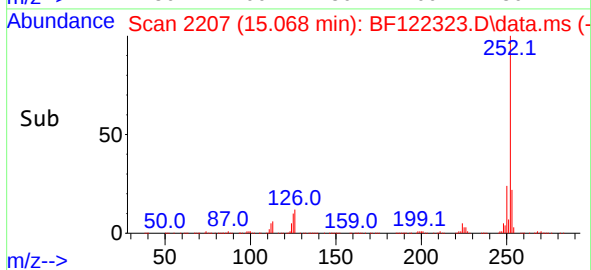
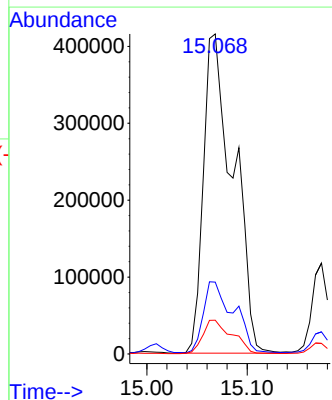
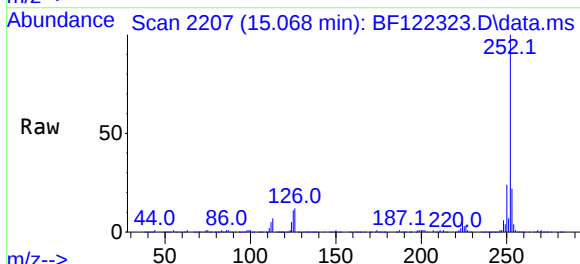
Instrument :
BNA_F
ClientSampleId :
TP-3A-S

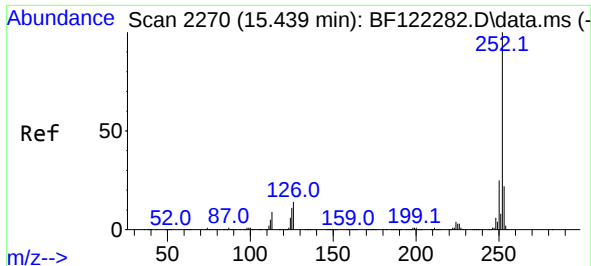
Tgt Ion:252 Resp: 862545
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 10.5 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 18.56 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.035 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:252 Resp: 862545
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 10.5 7.7 11.5



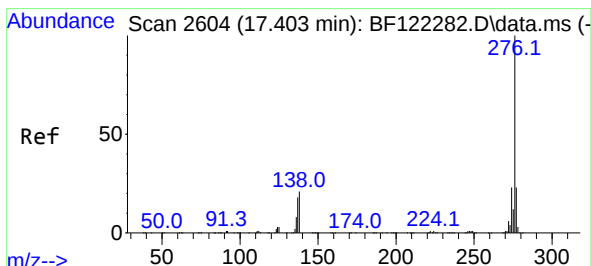
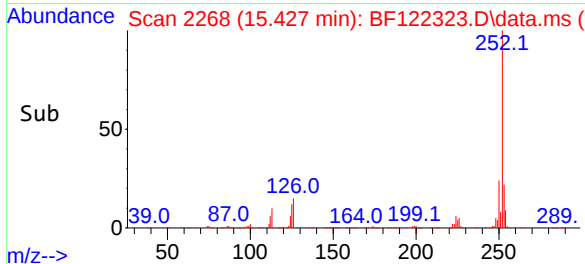
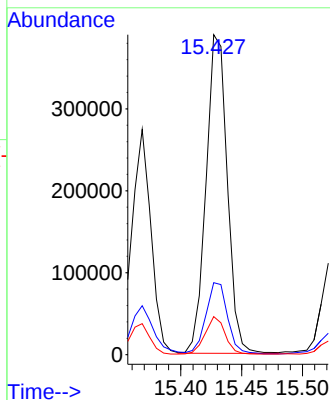
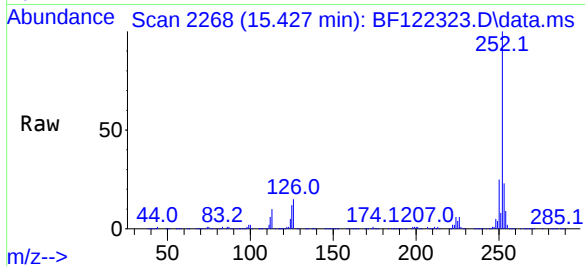


#90
Benzo(a)pyrene
Concen: 11.33 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Instrument :
BNA_F
ClientSampled :
TP-3A-S

Tgt Ion:252 Resp: 470453

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	11.9	8.6	13.0



#92
Benzo(g,h,i)perylene
Concen: 8.98 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.017 min
Lab File: BF122323.D
Acq: 12 Nov 2020 19:11

Tgt Ion:276 Resp: 323071

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.4	29.2
138	20.3	17.8	26.6

