

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
 Data File : BF124381.D
 Acq On : 18 Jun 2021 19:05
 Operator : JU/CG
 Sample : M2749-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PP-01 4.5-5.0

Quant Time: Jun 18 23:17:53 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

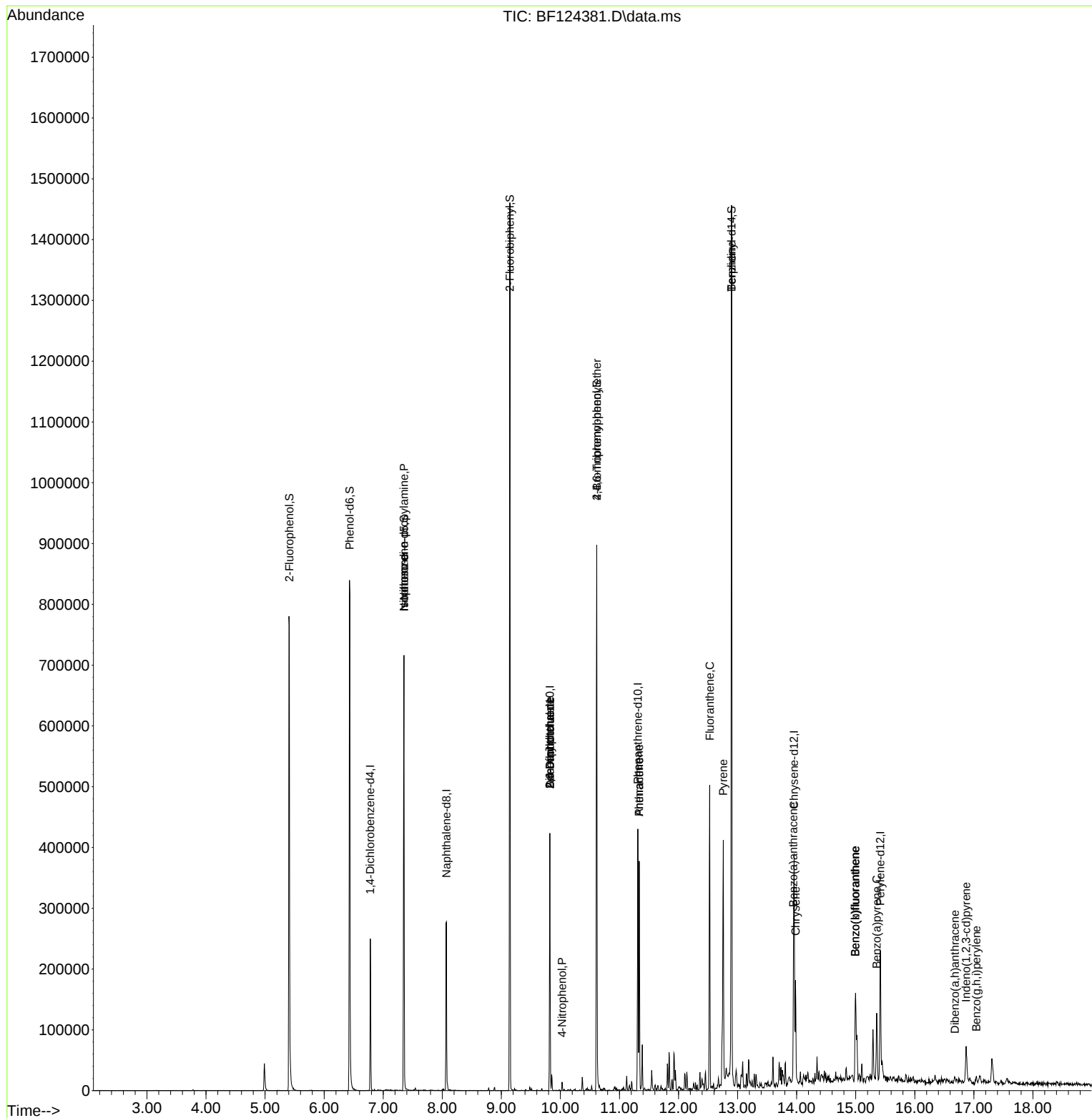
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	28361	20.00	ng	0.00
21) Naphthalene-d8	8.069	136	114055	20.00	ng	# 0.00
39) Acenaphthene-d10	9.822	164	69878	20.00	ng	0.00
64) Phenanthrene-d10	11.310	188	135696	20.00	ng	0.00
76) Chrysene-d12	13.957	240	89979	20.00	ng	0.00
86) Perylene-d12	15.416	264	84709	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	196299	104.19	ng	0.00
7) Phenol-d6	6.434	99	256450	101.27	ng	-0.01
23) Nitrobenzene-d5	7.351	82	196935	68.48	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	90732	91.65	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	365357	65.79	ng	0.00
79) Terphenyl-d14	12.898	244	414478	63.24	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	26944	15.07	ng	# 62
25) Isophorone	7.351	82	196931	38.00	ng	# 69
50) Dimethylphthalate	9.822	163	13737	2.38	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	9591	7.24	ng	# 12
56) 4-Nitrophenol	10.028	139	1986	2.24	ng	# 1
57) 2,4-Dinitrotoluene	9.822	165	9591	5.49	ng	# 18
67) 4-Bromophenyl-phenylether	10.616	248	6404	3.44	ng	# 1
71) Phenanthrene	11.333	178	121948	14.39	ng	97
72) Anthracene	11.333	178	121948	14.28	ng	98
75) Fluoranthene	12.527	202	179101	20.13	ng	95
77) Benzidine	12.898	184	7778	7.46	ng	# 95
78) Pyrene	12.757	202	151064	17.48	ng	99
81) Benzo(a)anthracene	13.945	228	68324	10.42	ng	97
83) Chrysene	13.980	228	58026	9.18	ng	95
87) Indeno(1,2,3-cd)pyrene	16.868	276	30842	8.31	ng	98
88) Benzo(b)fluoranthene	14.992	252	93556	14.22	ng	# 97
89) Benzo(k)fluoranthene	14.992	252	93556	15.02	ng	# 98
90) Benzo(a)pyrene	15.357	252	50293	8.80	ng	94
91) Dibenzo(a,h)anthracene	16.680	278	5979	5.08	ng	95
92) Benzo(g,h,i)perylene	17.045	276	2009	4.12	ng	99

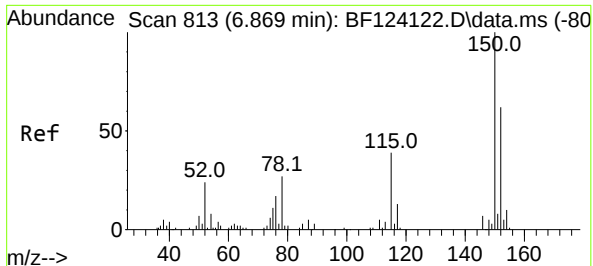
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
Data File : BF124381.D
Acq On : 18 Jun 2021 19:05
Operator : JU/CG
Sample : M2749-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

Quant Time: Jun 18 23:17:53 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 15 20:09:26 2021
Response via : Initial Calibration

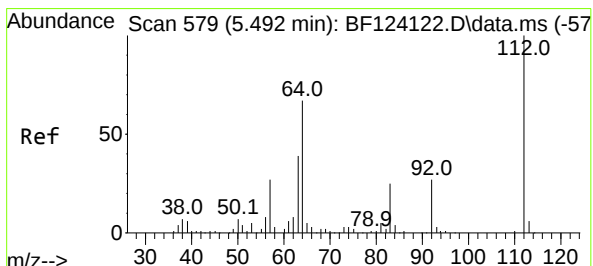
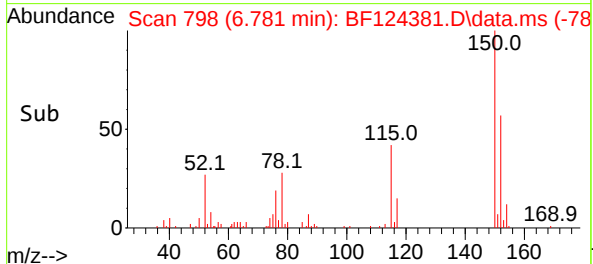
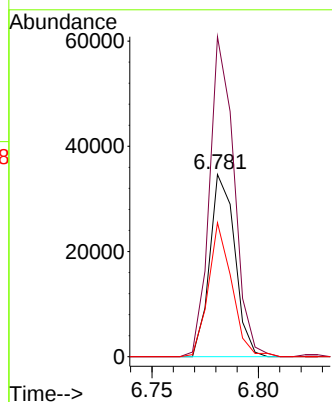
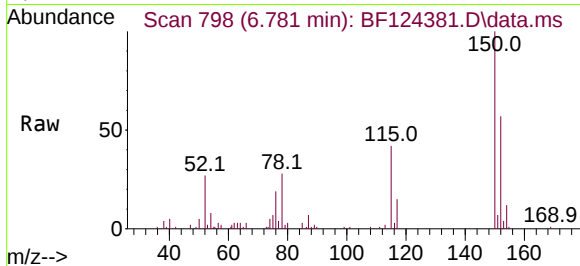




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

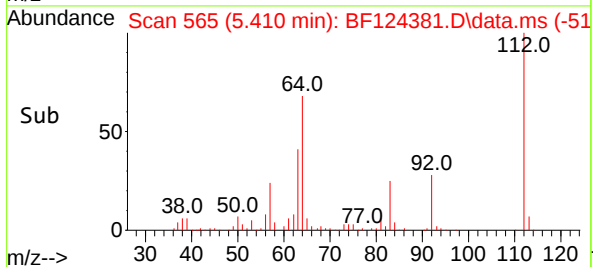
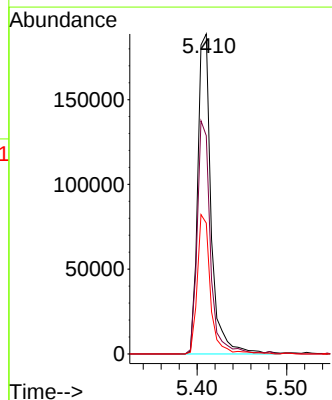
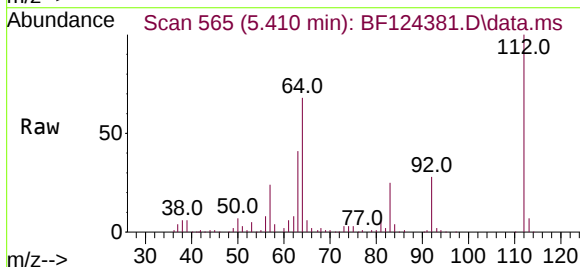
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

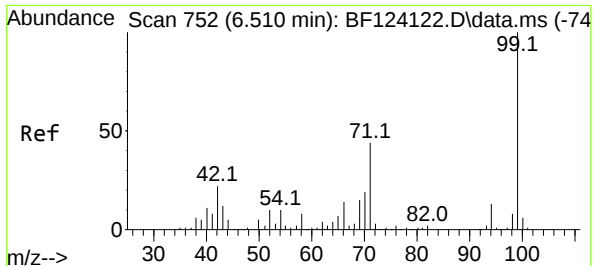
Tgt Ion:	152	Resp:	28361
Ion	Ratio	Lower	Upper
152	100		
150	175.5	127.0	190.6
115	73.5	54.3	81.5



#5
2-Fluorophenol
Concen: 104.19 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:	112	Resp:	196299
Ion	Ratio	Lower	Upper
112	100		
64	68.2	61.4	92.0
63	40.9	33.0	49.4

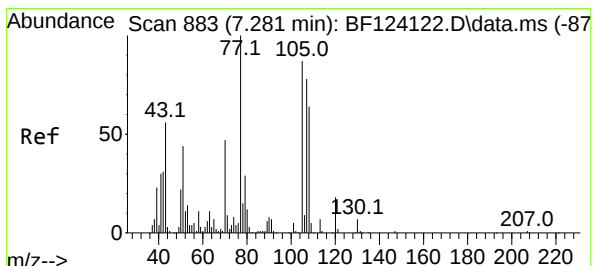
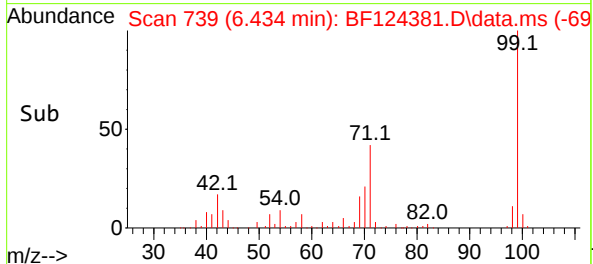
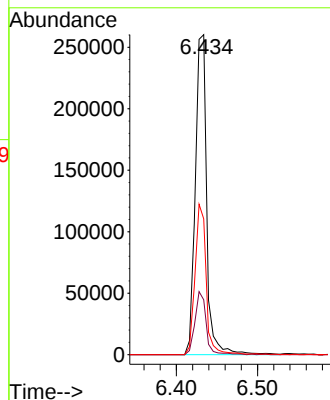
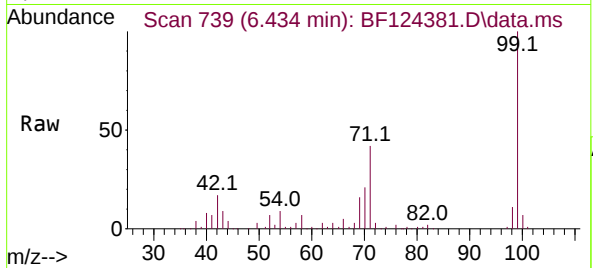




#7
Phenol-d6
Concen: 101.27 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

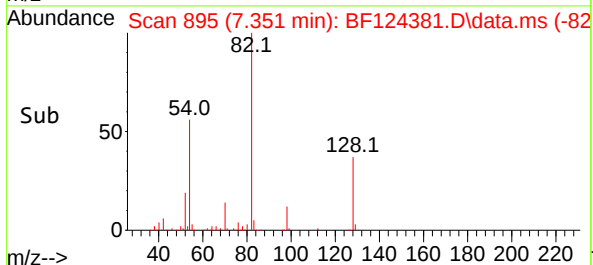
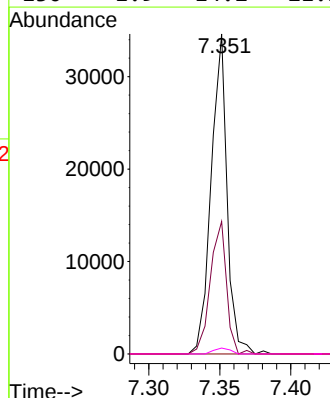
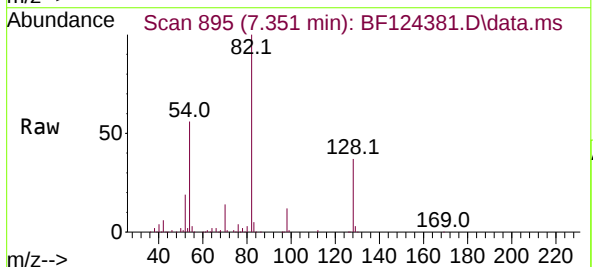
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

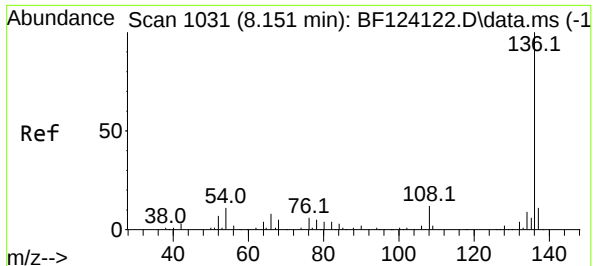
Tgt Ion: 99 Resp: 256450
Ion Ratio Lower Upper
99 100
42 17.2 19.8 29.8#
71 42.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.07 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion: 70 Resp: 26944
Ion Ratio Lower Upper
70 100
42 41.4 60.1 90.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.2#



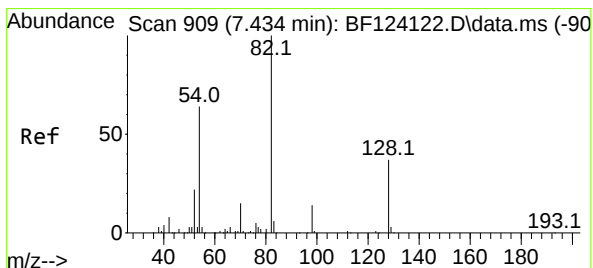
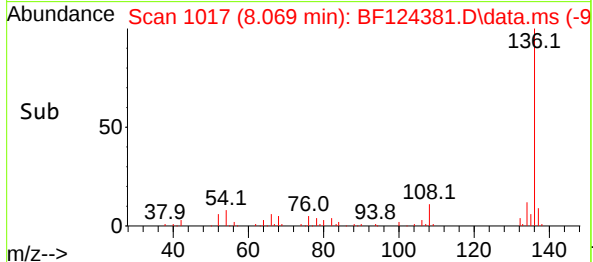
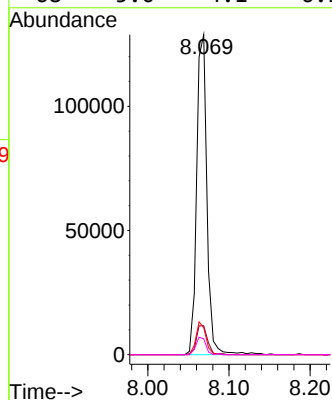
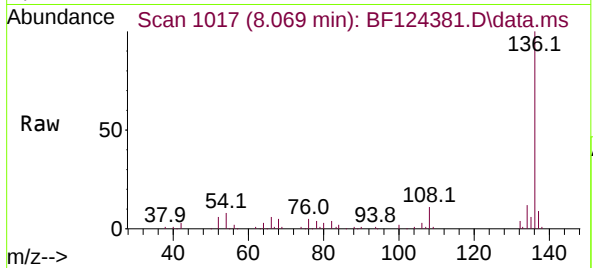


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

Tgt Ion:136 Resp: 114055

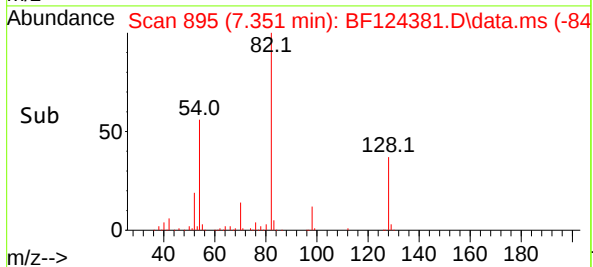
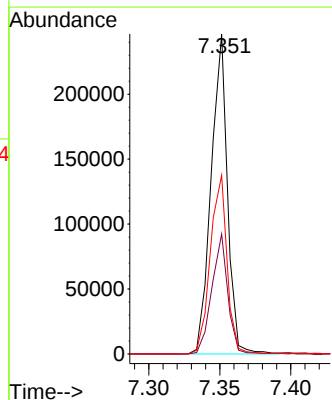
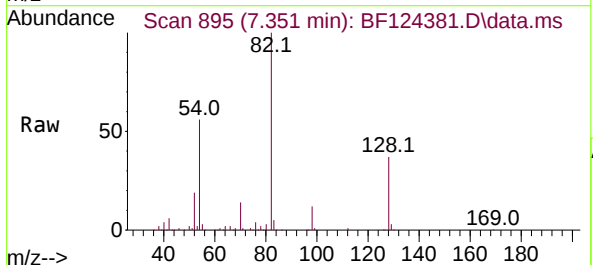
Ion	Ratio	Lower	Upper
136	100		
137	9.0	8.7	13.1
54	8.4	9.8	14.6#
68	5.0	4.1	6.1

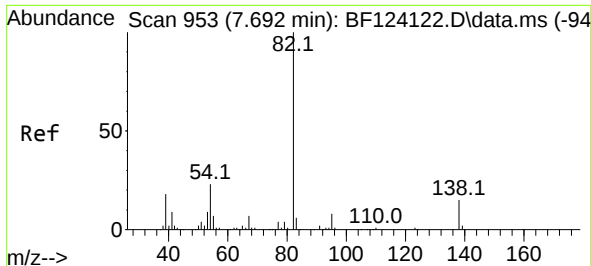


#23
Nitrobenzene-d5
Concen: 68.48 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion: 82 Resp: 196935

Ion	Ratio	Lower	Upper
82	100		
128	37.5	29.4	44.2
54	55.8	54.1	81.1

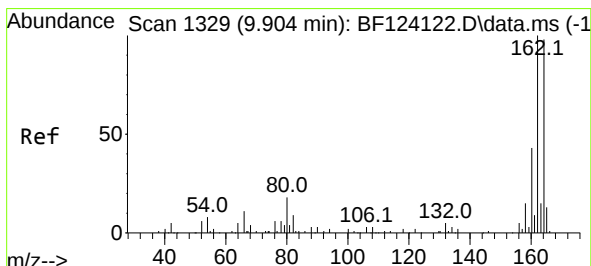
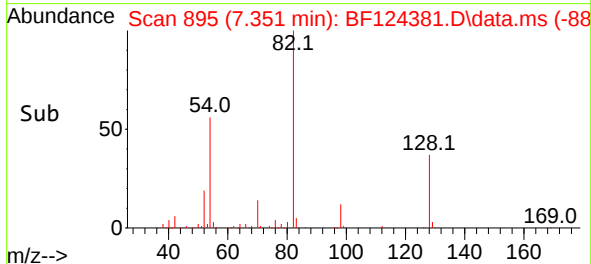
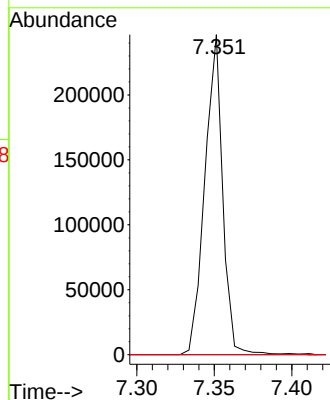
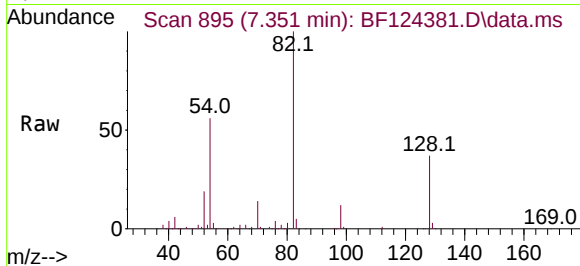




#25
Isophorone
Concen: 38.00 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.264 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

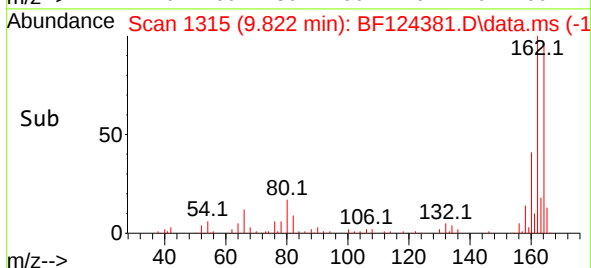
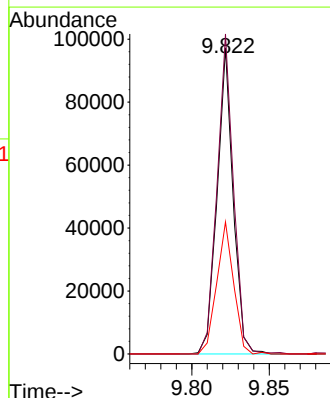
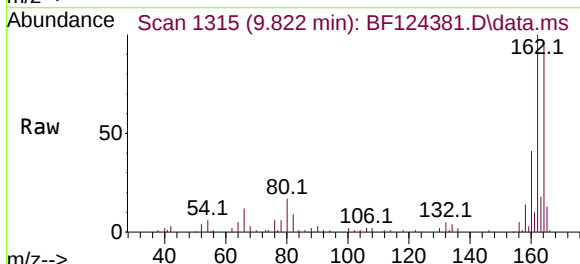
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

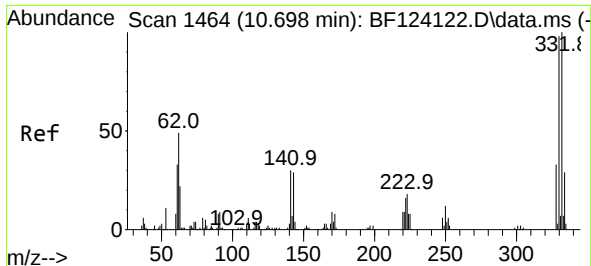
Tgt Ion: 82 Resp: 196931
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:164 Resp: 69878
Ion Ratio Lower Upper
164 100
162 104.6 80.7 121.1
160 43.2 37.3 55.9

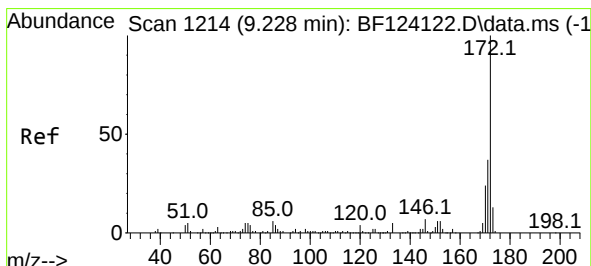
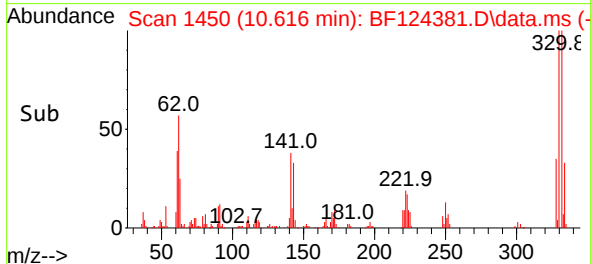
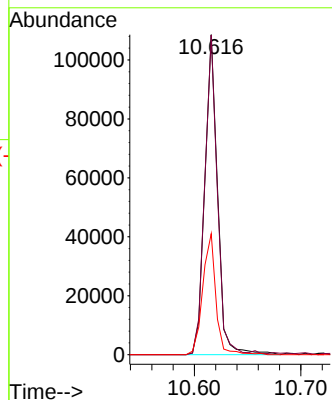
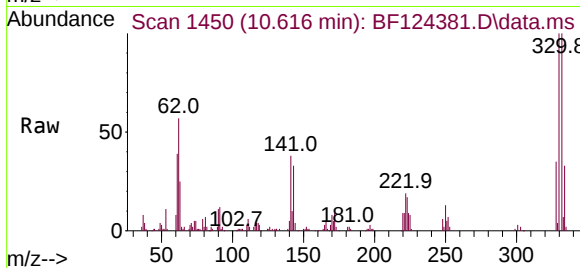




#42
2,4,6-Tribromophenol
Concen: 91.65 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

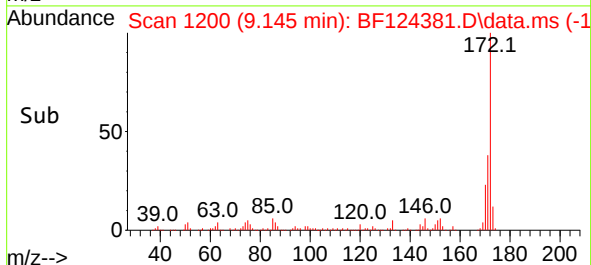
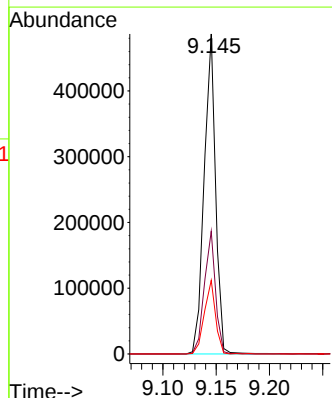
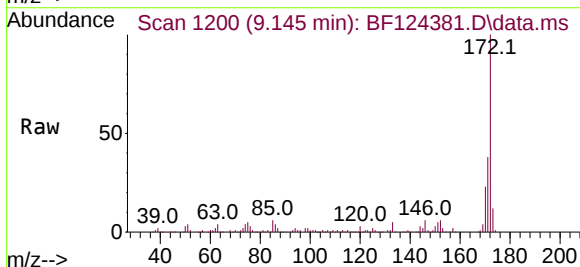
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

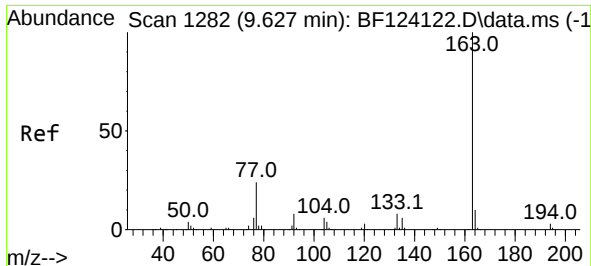
Tgt Ion: 330 Resp: 90732
Ion Ratio Lower Upper
330 100
332 98.1 77.1 115.7
141 39.0 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 65.79 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion: 172 Resp: 365357
Ion Ratio Lower Upper
172 100
171 38.4 28.1 42.1
170 23.0 19.2 28.8

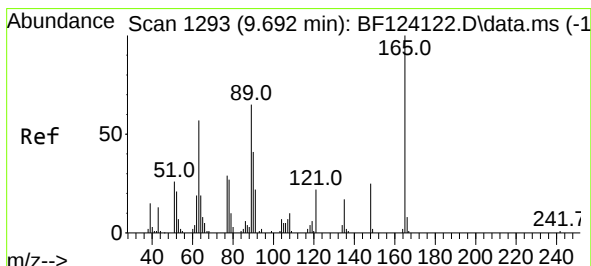
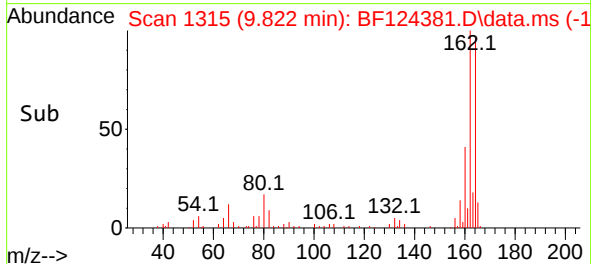
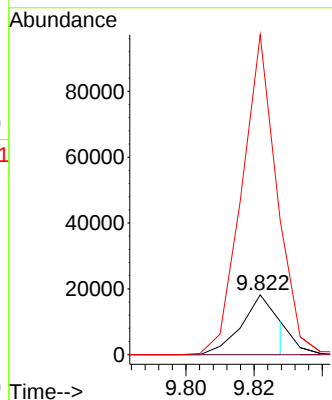
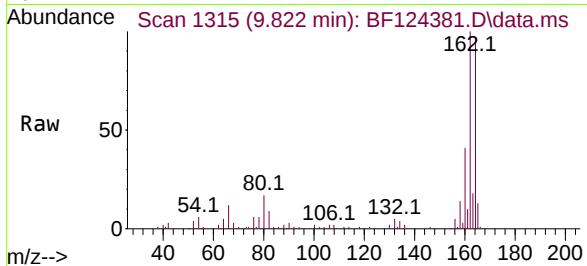




#50
Dimethylphthalate
Concen: 2.38 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

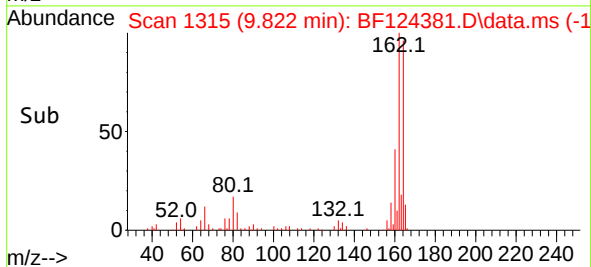
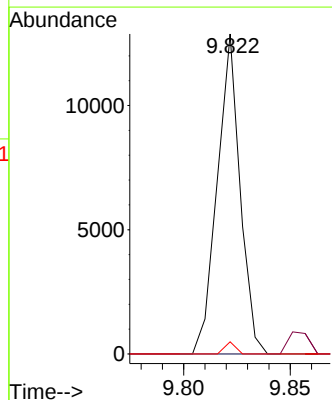
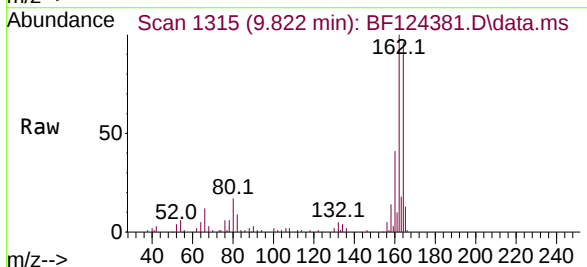
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

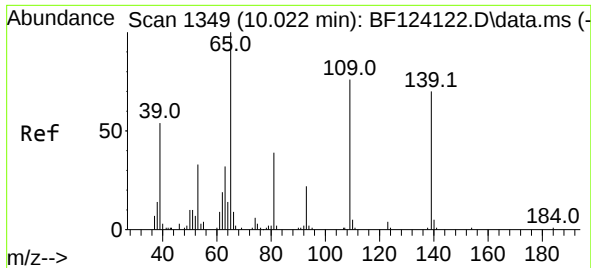
Tgt Ion:163 Resp: 13737
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 534.4 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 7.24 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:165 Resp: 9591
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 3.8 58.8 88.2#

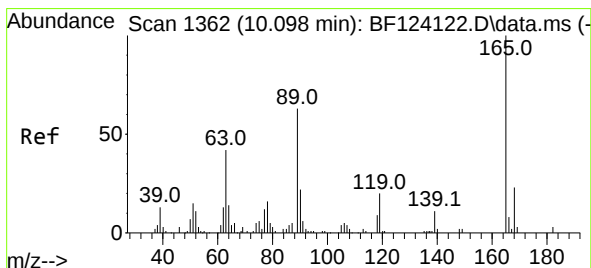
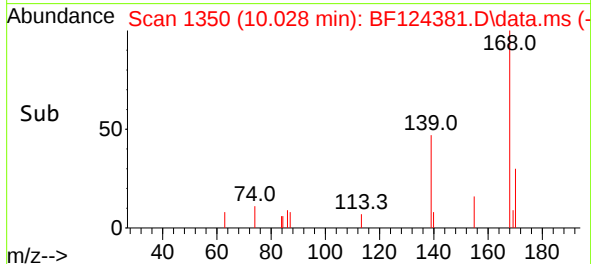
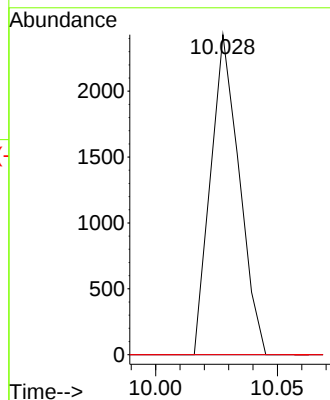
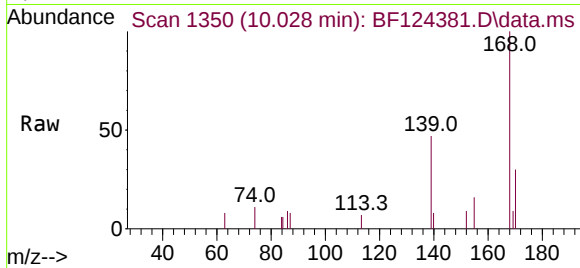




#56
4-Nitrophenol
Concen: 2.24 ng
RT: 10.028 min Scan# 1350
Delta R.T. 0.047 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

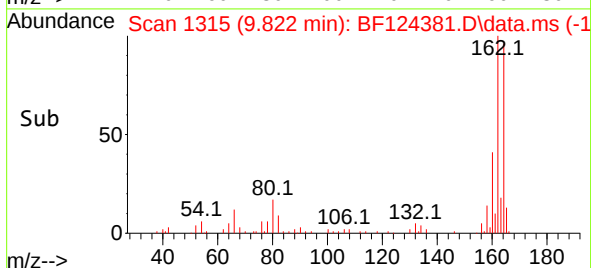
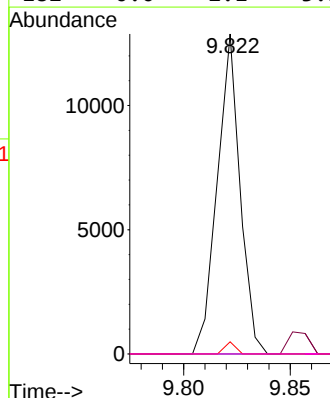
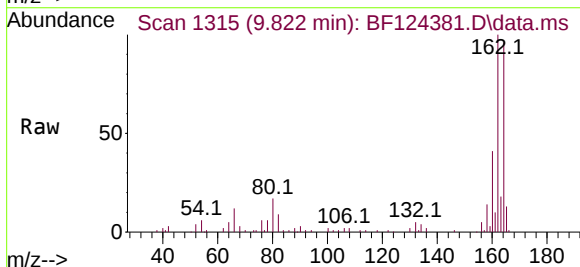
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

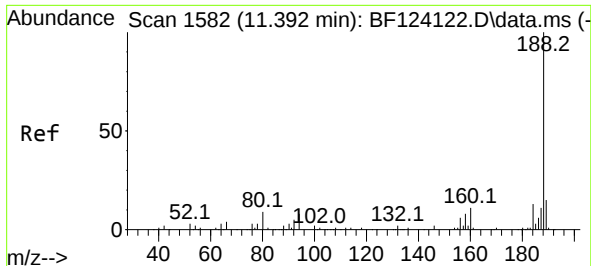
Tgt Ion:139 Resp: 1986
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



#57
2,4-Dinitrotoluene
Concen: 5.49 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:165 Resp: 9591
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.8 67.7 101.5#
182 0.0 2.1 3.1#

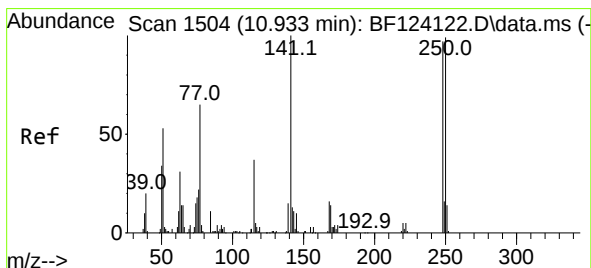
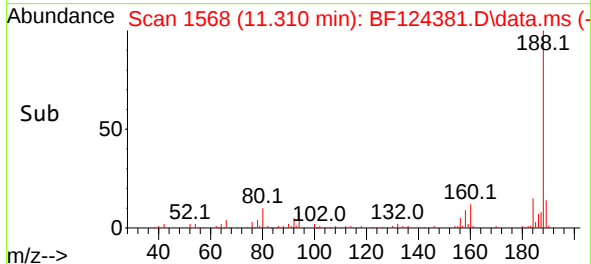
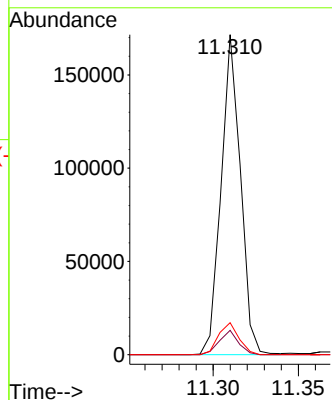
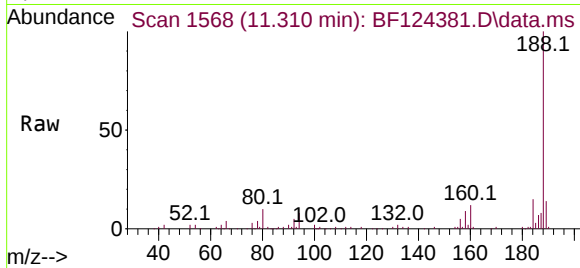




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

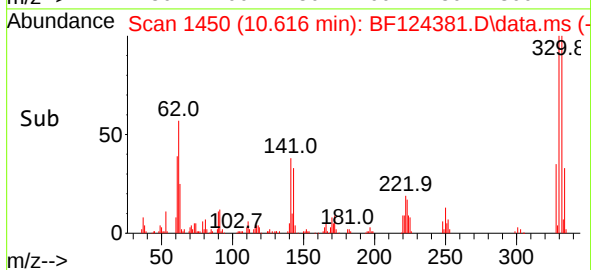
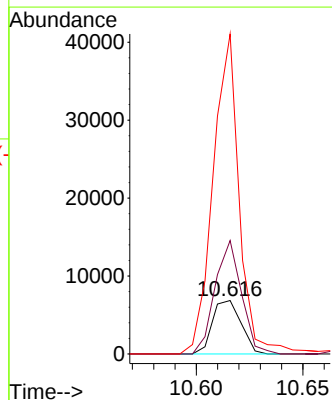
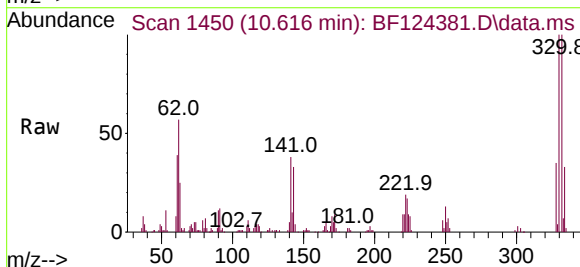
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

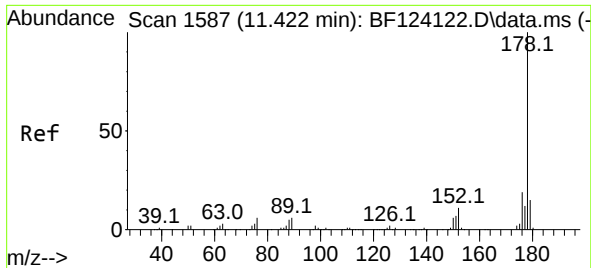
Tgt Ion:188 Resp: 135696
Ion Ratio Lower Upper
188 100
94 7.6 6.9 10.3
80 10.0 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.44 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:248 Resp: 6404
Ion Ratio Lower Upper
248 100
250 212.7 77.4 116.2#
141 599.6 63.7 95.5#

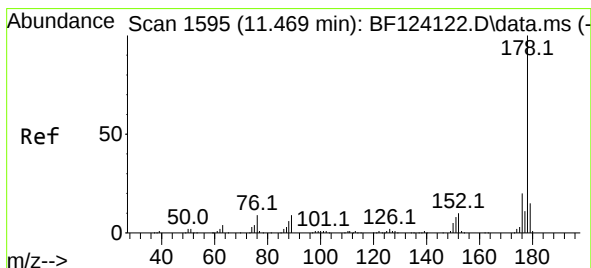
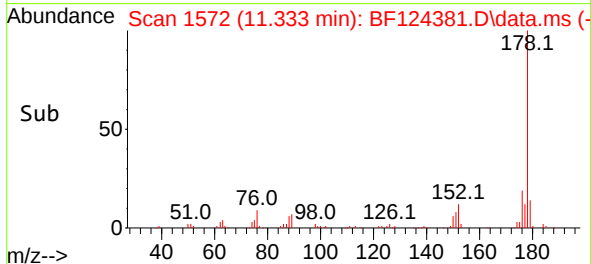
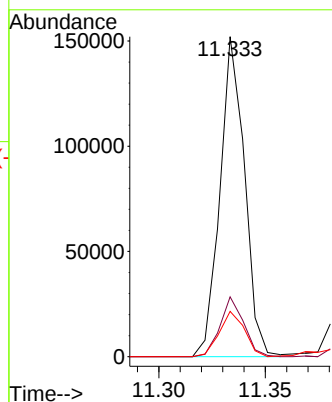
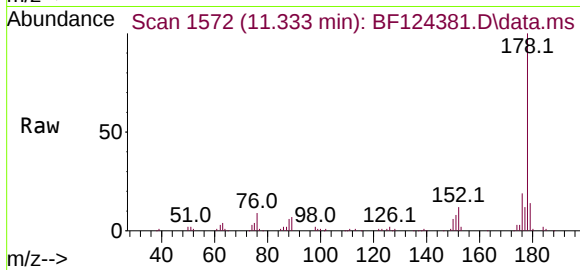




#71
Phenanthrene
Concen: 14.39 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

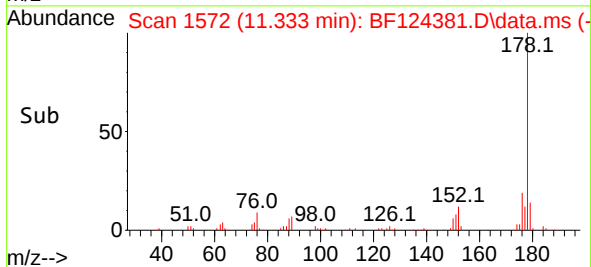
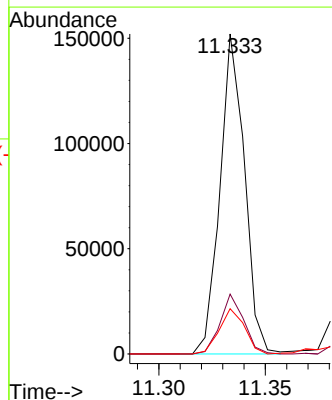
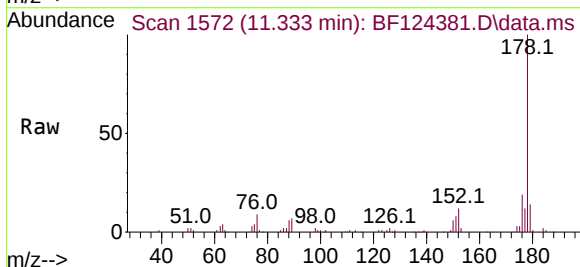
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

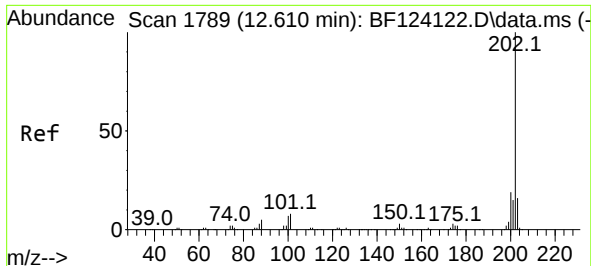
Tgt Ion:178 Resp: 121948
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 14.1 12.5 18.7



#72
Anthracene
Concen: 14.28 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.065 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:178 Resp: 121948
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 14.1 12.6 18.8

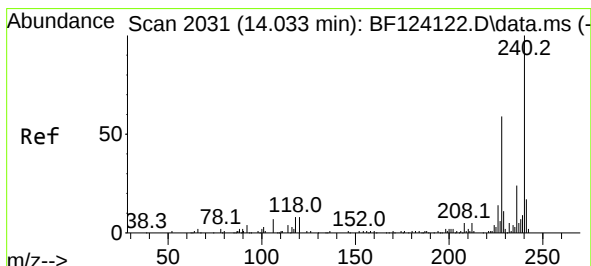
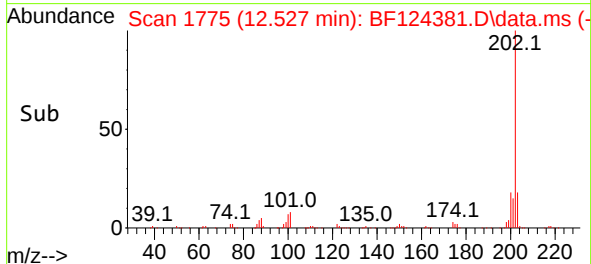
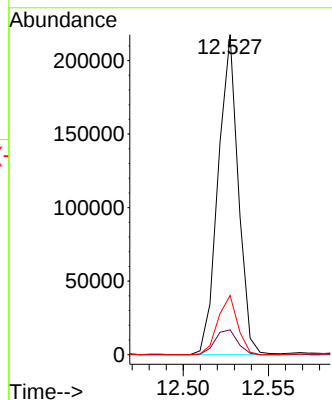
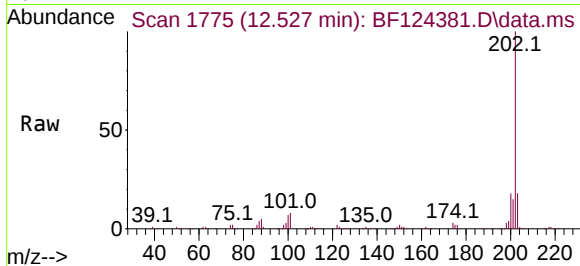




#75
Fluoranthene
Concen: 20.13 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

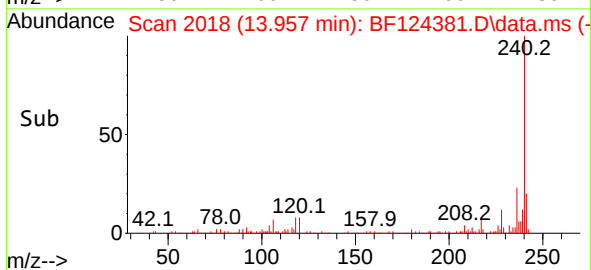
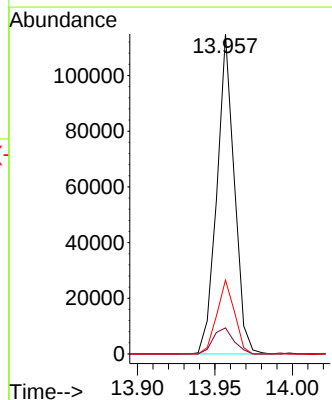
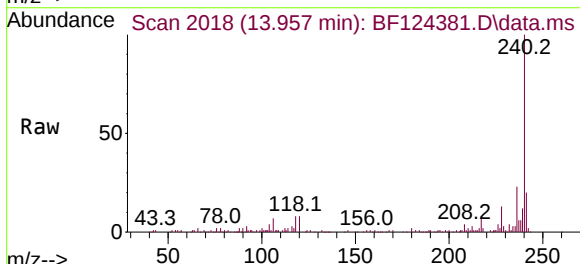
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

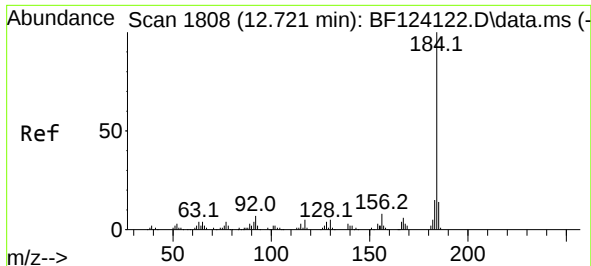
Tgt Ion:202 Resp: 179101
Ion Ratio Lower Upper
202 100
101 7.7 0.0 30.9
203 18.5 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:240 Resp: 89979
Ion Ratio Lower Upper
240 100
120 8.2 7.2 10.8
236 23.1 19.0 28.4

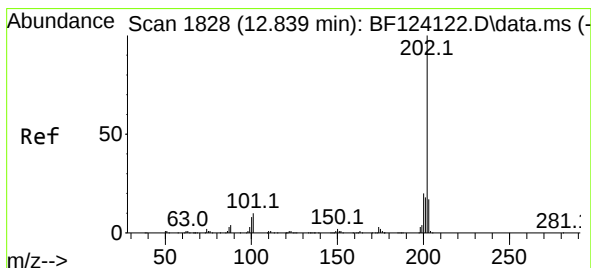
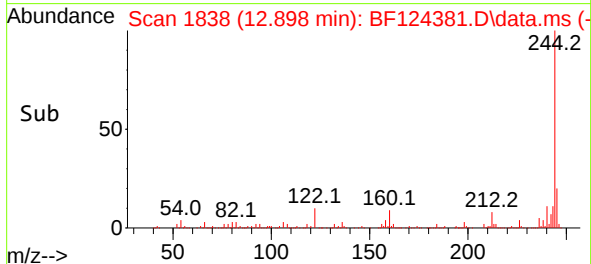
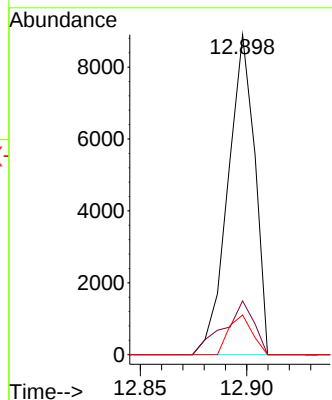
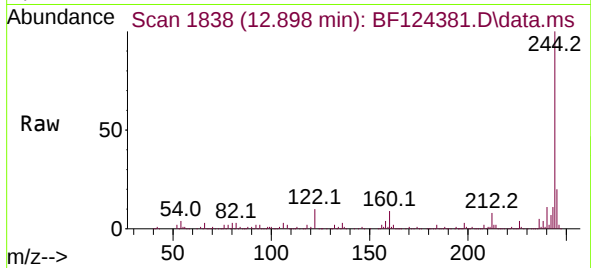




#77
Benzidine
Concen: 7.46 ng
RT: 12.898 min Scan# 1838
Delta R.T. 0.200 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

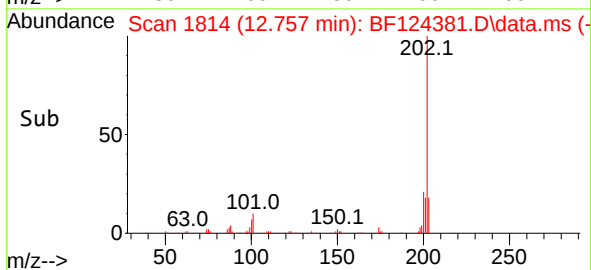
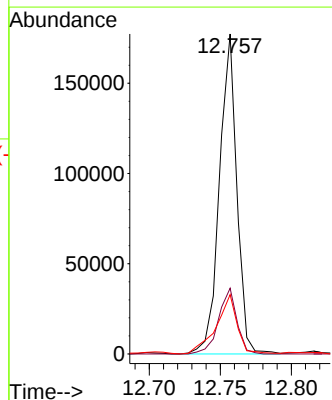
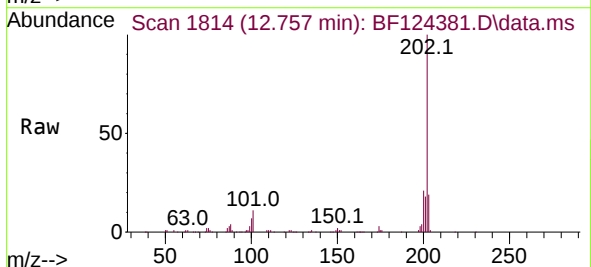
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

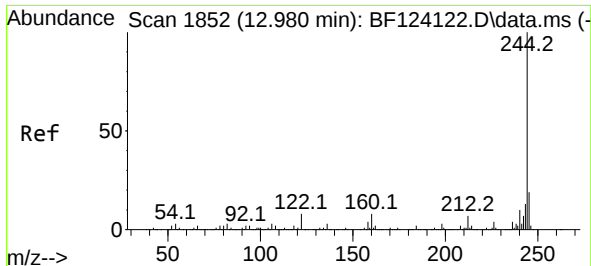
Tgt Ion:184 Resp: 7778
Ion Ratio Lower Upper
184 100
185 16.8 12.1 18.1
183 12.4 7.8 11.8#



#78
Pyrene
Concen: 17.48 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:202 Resp: 151064
Ion Ratio Lower Upper
202 100
200 20.6 16.1 24.1
203 18.6 14.8 22.2

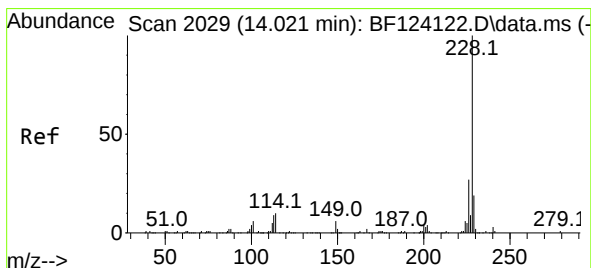
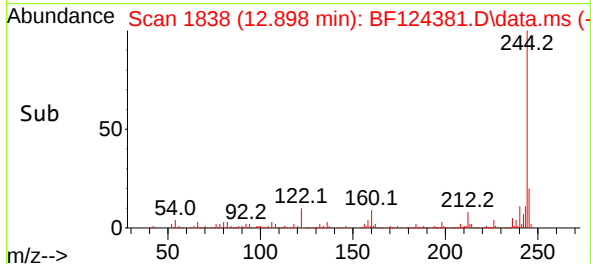
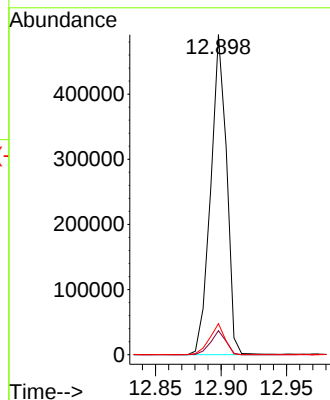
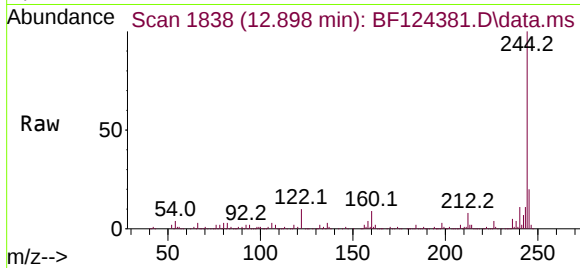




#79
 Terphenyl-d14
 Concen: 63.24 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF124381.D
 Acq: 18 Jun 2021 19:05

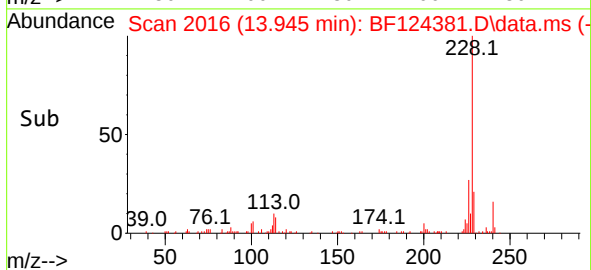
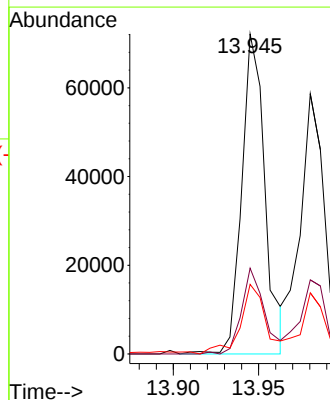
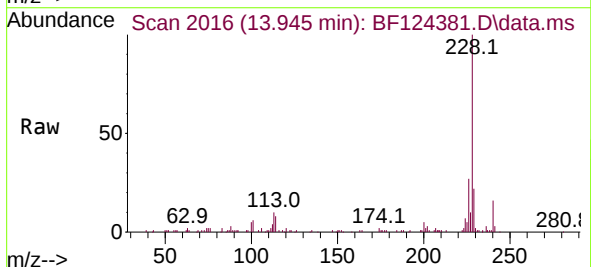
Instrument :
 BNA_F
 ClientSampleId :
 PP-01_4.5-5.0

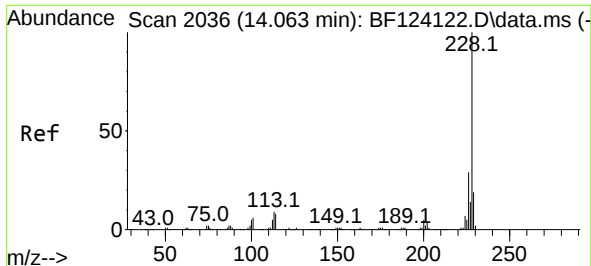
Tgt Ion:244 Resp: 414478
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 9.7 9.7 14.5



#81
 Benzo(a)anthracene
 Concen: 10.42 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF124381.D
 Acq: 18 Jun 2021 19:05

Tgt Ion:228 Resp: 68324
 Ion Ratio Lower Upper
 228 100
 226 26.8 22.4 33.6
 229 21.7 16.0 24.0

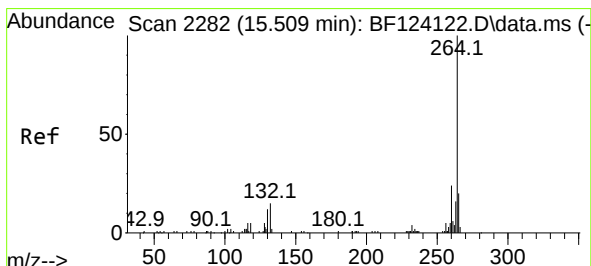
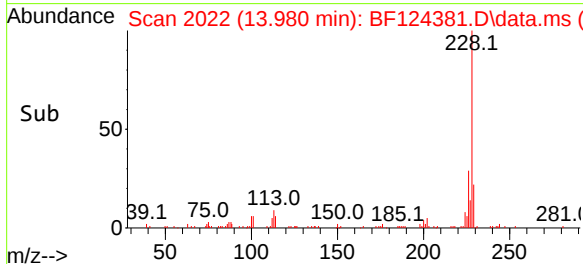
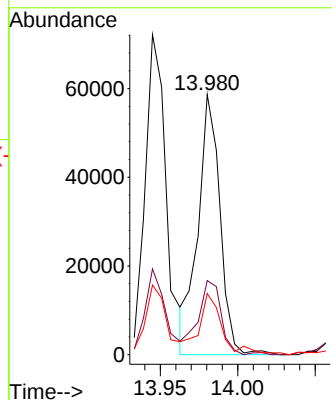
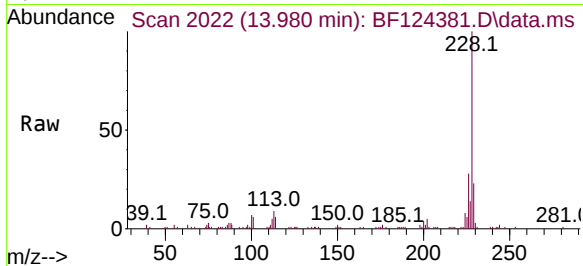




#83
Chrysene
Concen: 9.18 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

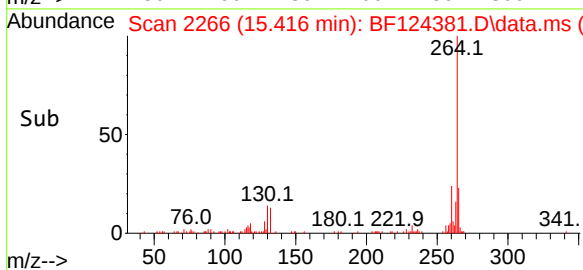
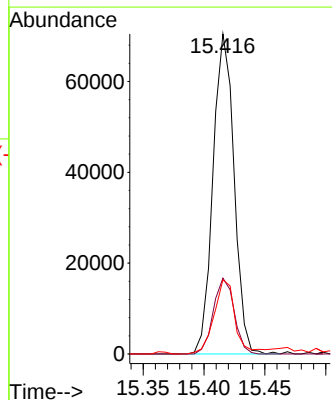
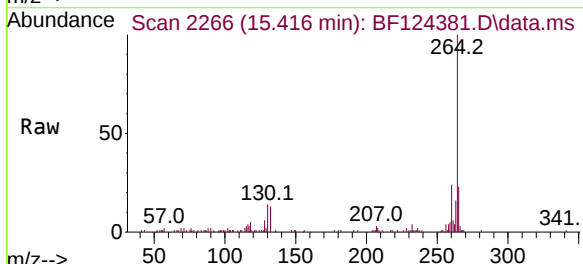
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

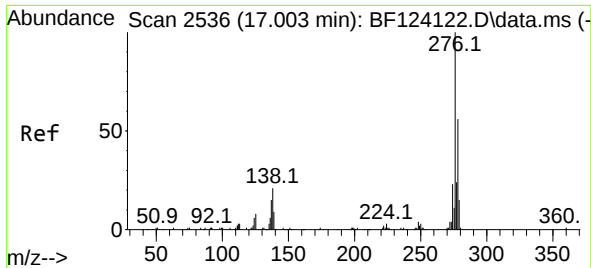
Tgt Ion:228	Resp:	58026
Ion Ratio	Lower	Upper
228	100	
226	28.4	24.3 36.5
229	23.5	16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.416 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:264	Resp:	84709
Ion Ratio	Lower	Upper
264	100	
260	23.7	18.7 28.1
265	23.2	17.8 26.8

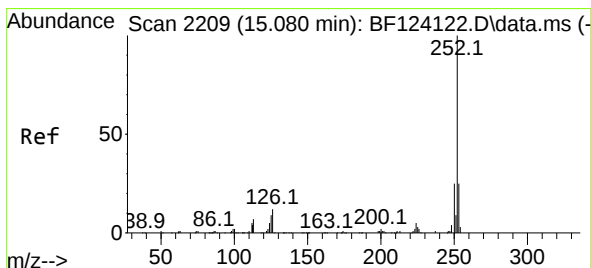
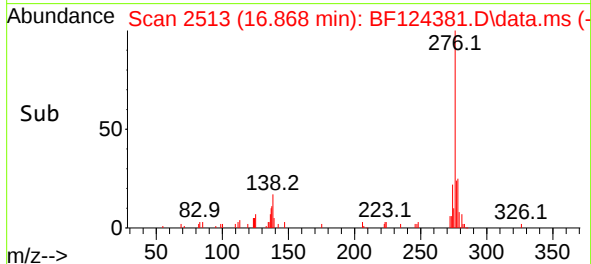
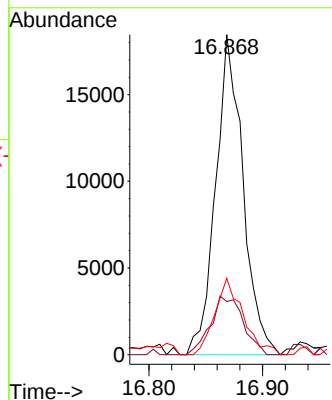
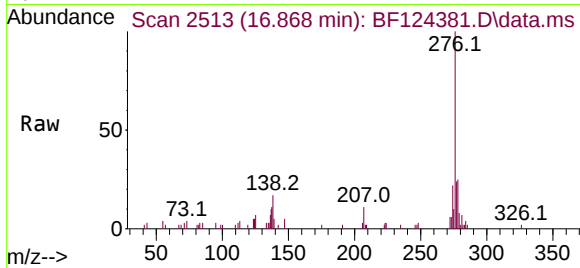




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.31 ng
RT: 16.868 min Scan# 2513
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

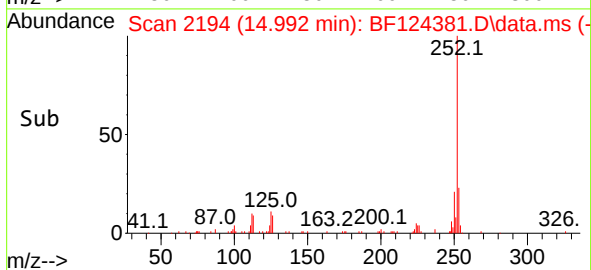
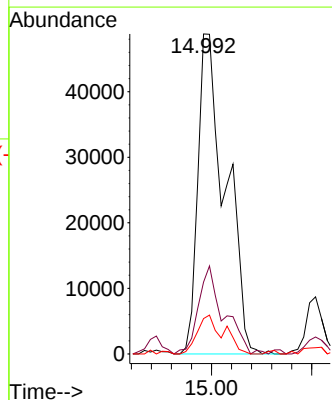
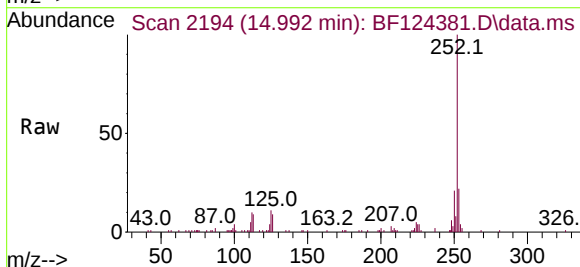
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

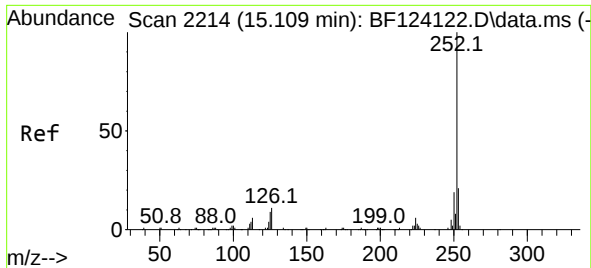
Tgt Ion:276 Resp: 30842
Ion Ratio Lower Upper
276 100
138 21.7 16.2 24.2
277 24.8 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 14.22 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:252 Resp: 93556
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 11.1 6.2 9.4#

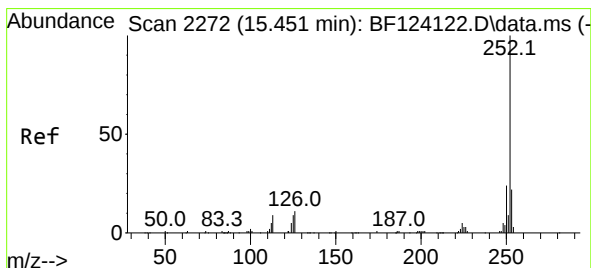
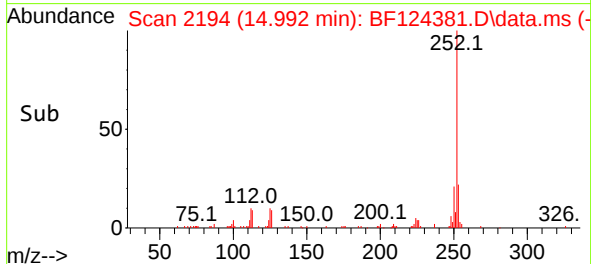
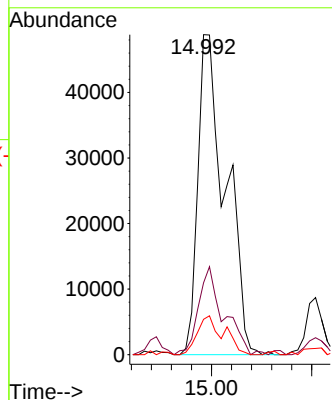
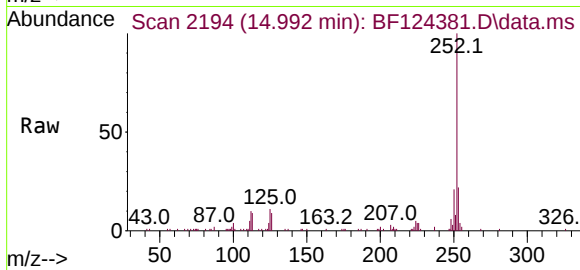




#89
Benzo(k)fluoranthene
Concen: 15.02 ng
RT: 14.992 min Scan# 2194
Delta R.T. -0.035 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

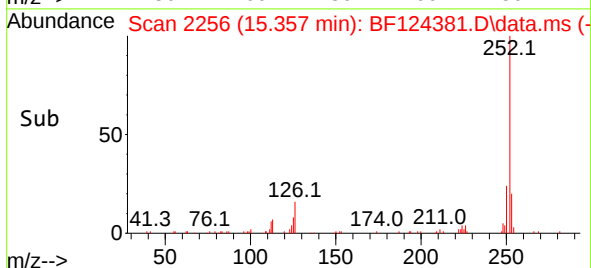
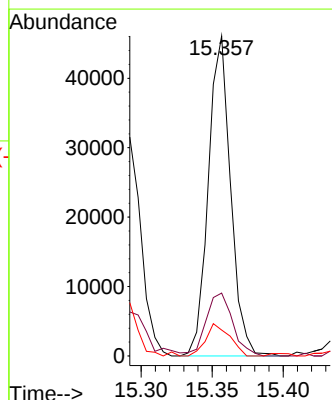
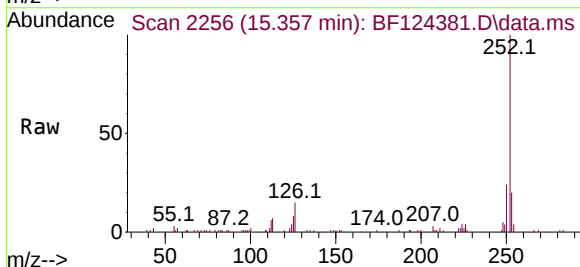
Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

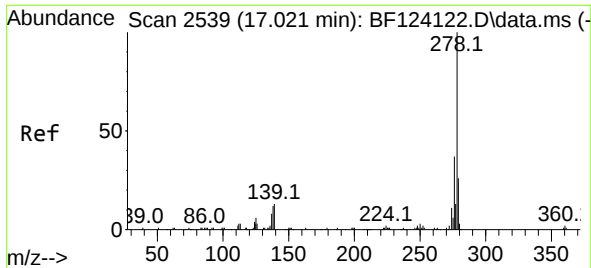
Tgt Ion:252 Resp: 93556
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 11.1 7.0 10.6#



#90
Benzo(a)pyrene
Concen: 8.80 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:252 Resp: 50293
Ion Ratio Lower Upper
252 100
253 19.6 18.4 27.6
125 8.1 8.0 12.0

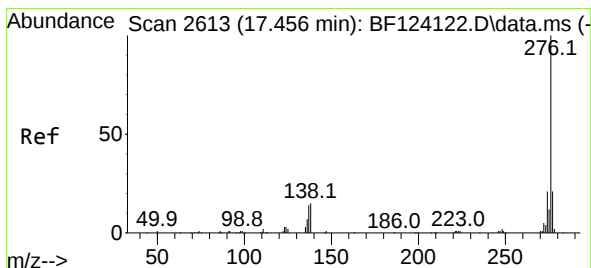
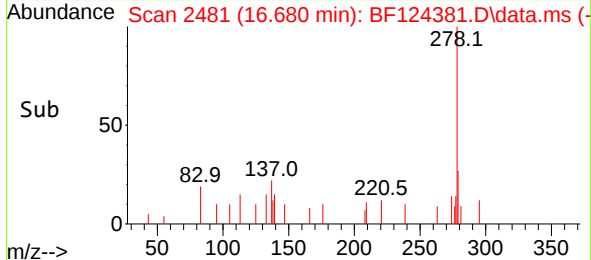
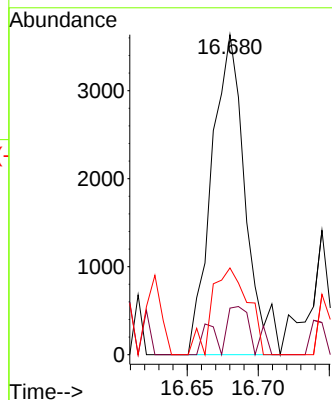
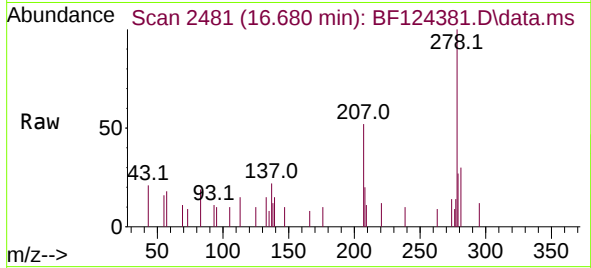




#91
Dibenzo(a,h)anthracene
Concen: 5.08 ng
RT: 16.680 min Scan# 2481
Delta R.T. -0.206 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Instrument :
BNA_F
ClientSampleId :
PP-01_4.5-5.0

Tgt Ion:278 Resp: 5979
Ion Ratio Lower Upper
278 100
139 14.5 10.2 15.2
279 27.1 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 4.12 ng
RT: 17.045 min Scan# 2543
Delta R.T. -0.270 min
Lab File: BF124381.D
Acq: 18 Jun 2021 19:05

Tgt Ion:276 Resp: 2009
Ion Ratio Lower Upper
276 100
277 21.7 18.2 27.2
138 17.2 13.8 20.6

