

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121120\
 Data File : BF122666.D
 Acq On : 11 Dec 2020 16:40
 Operator : JU/CG
 Sample : L5035-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-1A

Quant Time: Dec 12 02:23:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 07 12:08:49 2020
 Response via : Initial Calibration

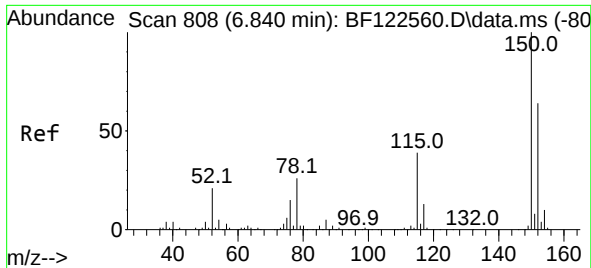
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	167251	20.00	ng	0.00
21) Naphthalene-d8	8.122	136	643791	20.00	ng	0.00
39) Acenaphthene-d10	9.875	164	332980	20.00	ng	0.00
64) Phenanthrene-d10	11.363	188	601857	20.00	ng	0.00
76) Chrysene-d12	14.004	240	428323	20.00	ng	0.00
86) Perylene-d12	15.468	264	408382	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1104574	104.56	ng	0.00
7) Phenol-d6	6.469	99	1390084	99.21	ng	-0.01
23) Nitrobenzene-d5	7.404	82	871432	67.82	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	381651	87.56	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1486353	60.38	ng	0.00
79) Terphenyl-d14	12.951	244	1397760	57.12	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.481	94	29128	2.01	ng	96
49) Acenaphthylene	9.739	152	191348	5.66	ng	98
50) Dimethylphthalate	9.592	163	123908	4.66	ng	100
71) Phenanthrene	11.386	178	819131	22.90	ng	99
72) Anthracene	11.439	178	143570	4.05	ng	97
75) Fluoranthene	12.580	202	1244001	33.17	ng	99
78) Pyrene	12.810	202	1191825	35.99	ng	99
81) Benzo(a)anthracene	13.992	228	500847m	17.50	ng	
83) Chrysene	14.027	228	522140	18.33	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	269584	10.06	ng	96
88) Benzo(b)fluoranthene	15.039	252	548409m	19.14	ng	
89) Benzo(k)fluoranthene	15.068	252	203848m	7.78	ng	
90) Benzo(a)pyrene	15.404	252	391486	15.62	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	63465m	2.89	ng	
92) Benzo(g,h,i)perylene	17.356	276	262366	12.36	ng	99

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

Quant Time: Dec 12 02:23:47 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 07 12:08:49 2020
Response via : Initial Calibration

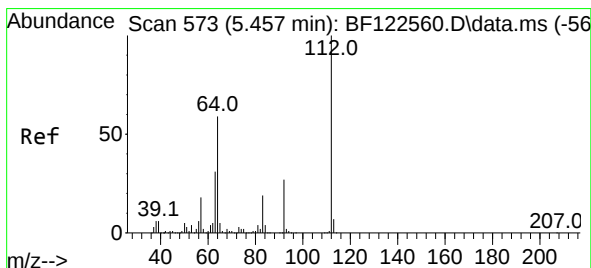
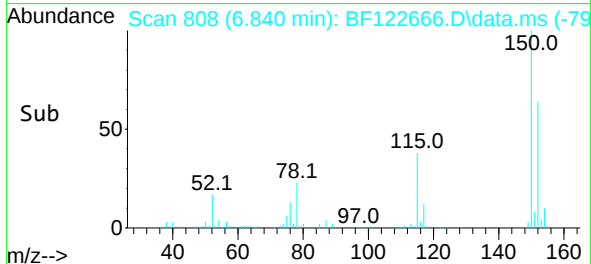
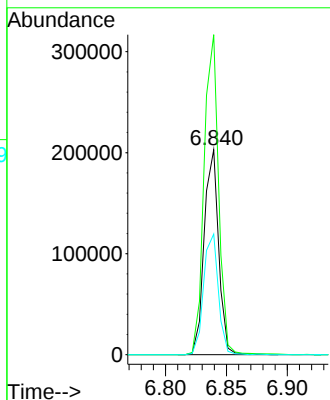
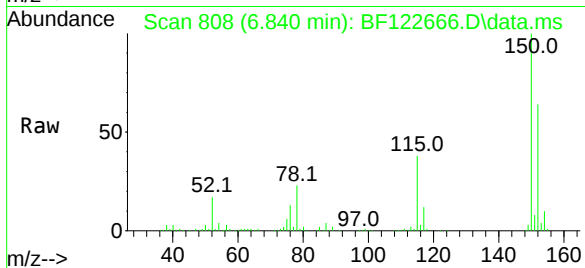




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.840 min Scan# 808
 Delta R.T. -0.000 min
 Lab File: BF122666.D
 Acq: 11 Dec 2020 16:40

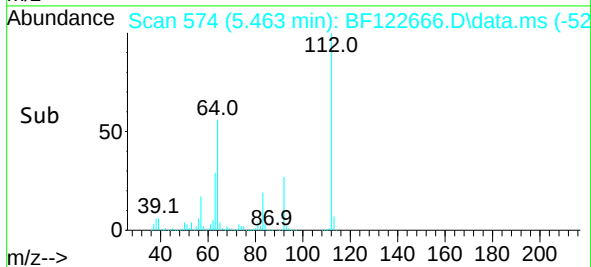
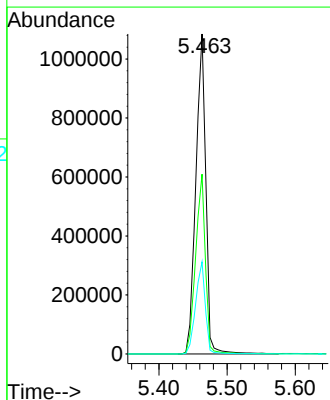
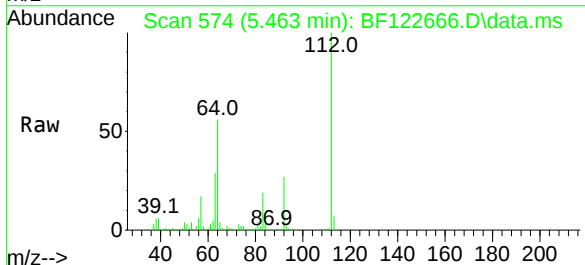
Instrument :
 BNA_F
 ClientSampleId :
 PE-1A

Tgt Ion:152 Resp: 167251
 Ion Ratio Lower Upper
 152 100
 150 156.1 125.8 188.6
 115 58.9 49.3 73.9



#5
 2-Fluorophenol
 Concen: 104.56 ng
 RT: 5.463 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF122666.D
 Acq: 11 Dec 2020 16:40

Tgt Ion:112 Resp: 1104574
 Ion Ratio Lower Upper
 112 100
 64 56.2 46.9 70.3
 63 28.8 24.5 36.7

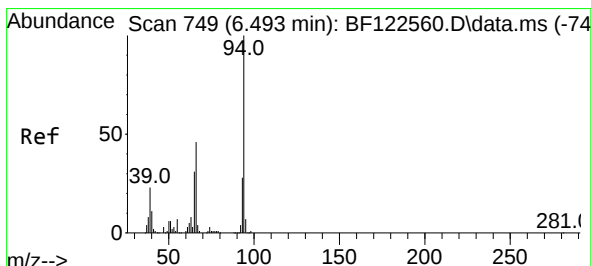
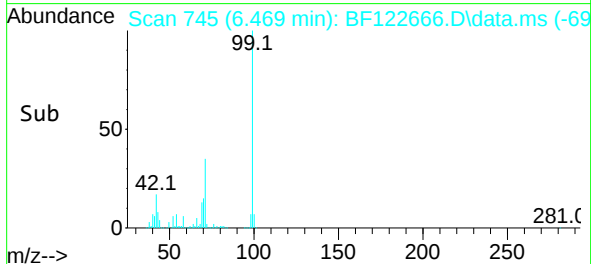
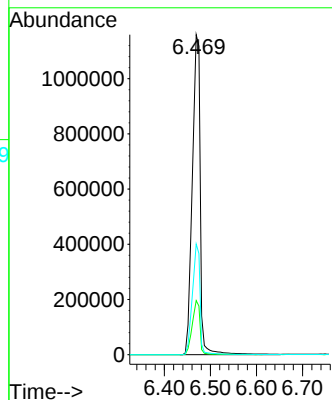
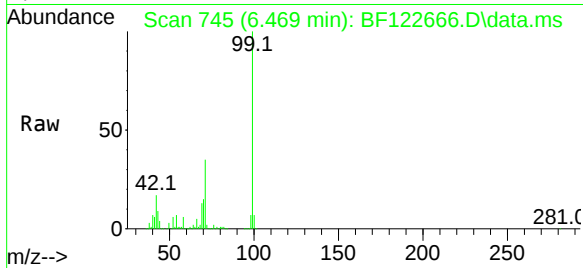




#7
Phenol-d6
Concen: 99.21 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

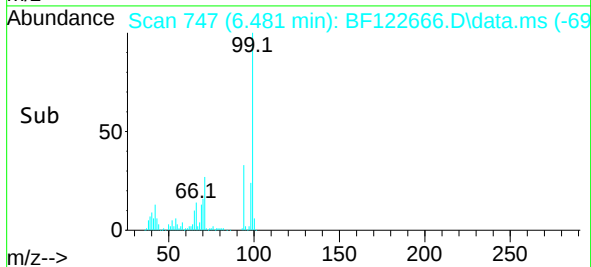
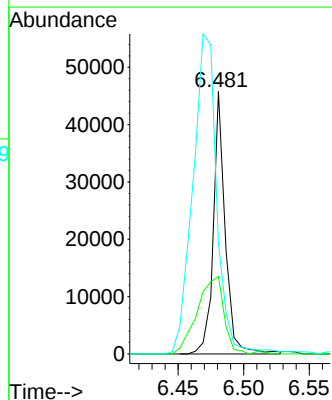
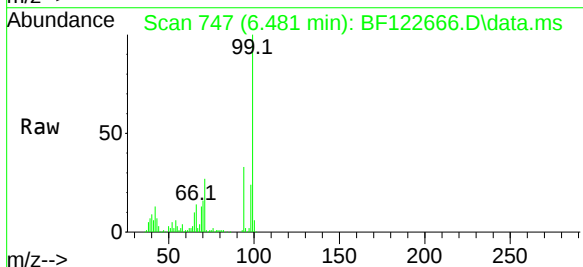
Instrument :
BNA_F
ClientSampleId :
PE-1A

Tgt Ion: 99 Resp: 1390084
Ion Ratio Lower Upper
99 100
42 16.9 13.8 20.6
71 34.6 26.9 40.3



#10
Phenol
Concen: 2.01 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

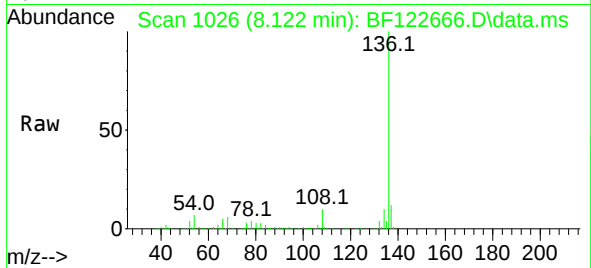
Tgt Ion: 94 Resp: 29128
Ion Ratio Lower Upper
94 100
65 29.6 11.2 51.2
66 42.3 25.8 65.8



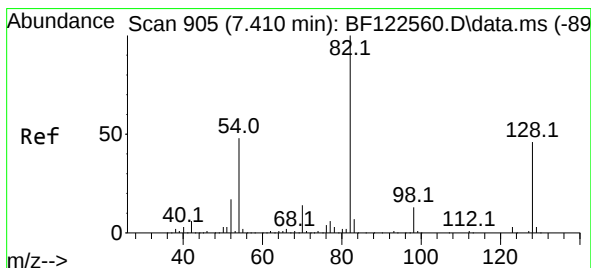
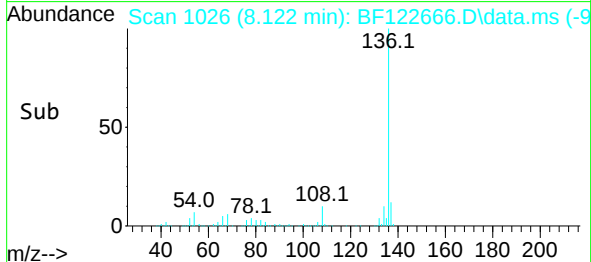
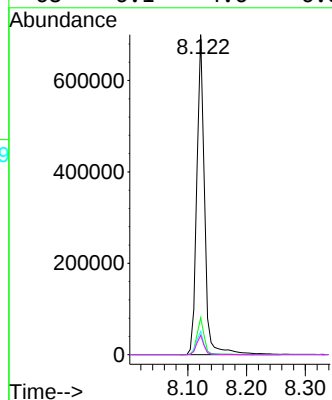


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Instrument :
BNA_F
ClientSampleId :
PE-1A

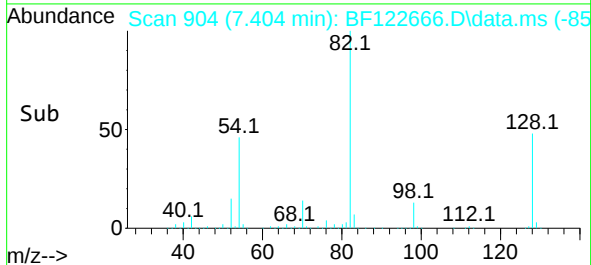
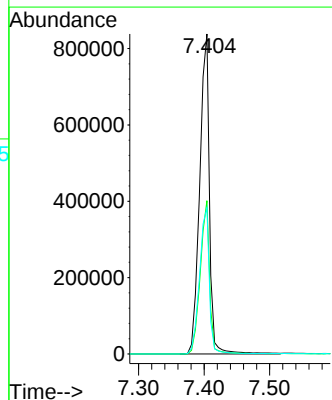
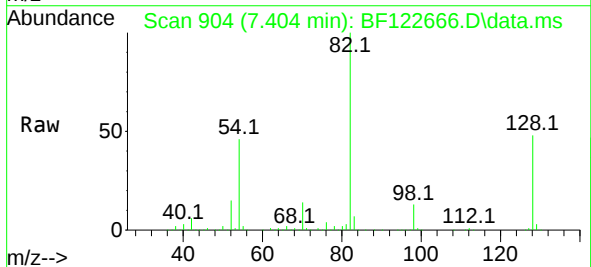


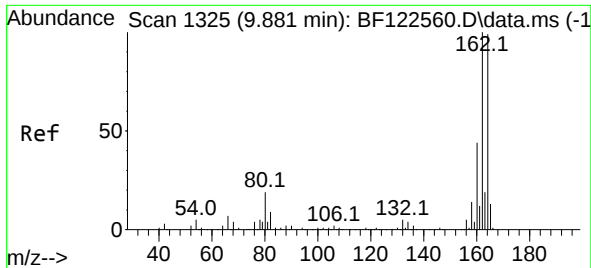
Tgt Ion:	136	Resp:	643791
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.8	13.2
54	7.3	5.5	8.3
68	6.1	4.6	6.8



#23
Nitrobenzene-d5
Concen: 67.82 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:	82	Resp:	871432
Ion Ratio	Lower	Upper	
82	100		
128	47.9	37.0	55.4
54	45.7	38.4	57.6

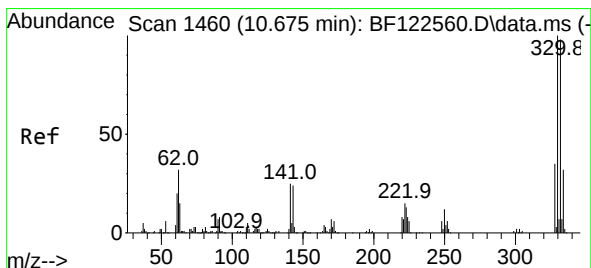
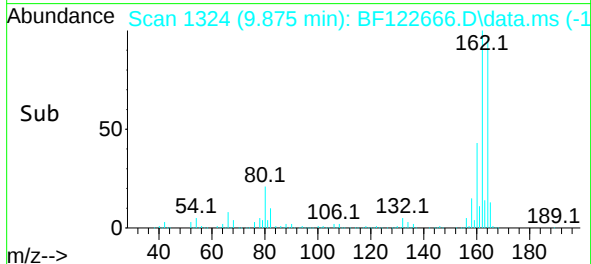
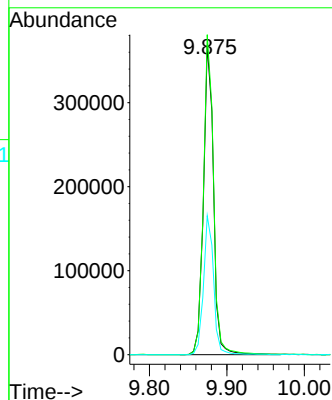
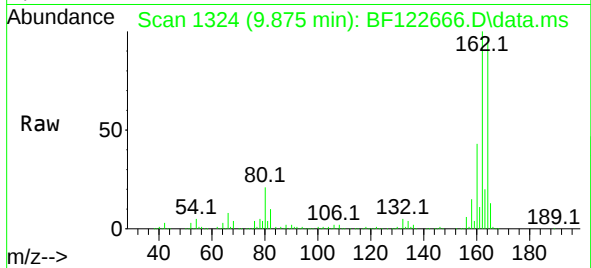




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

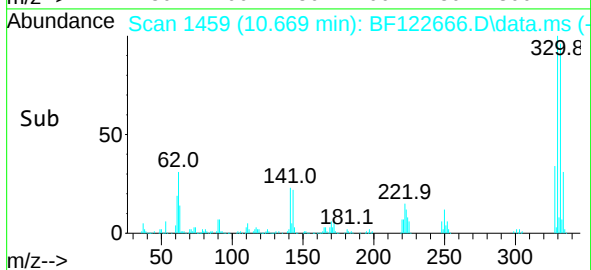
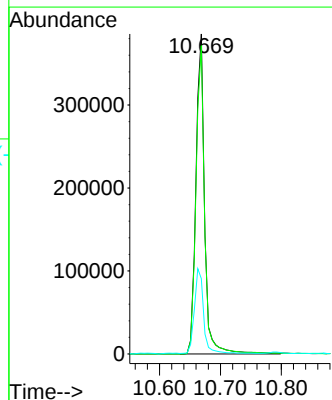
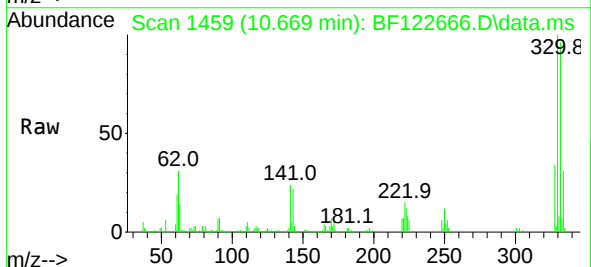
Instrument :
BNA_F
ClientSampleId :
PE-1A

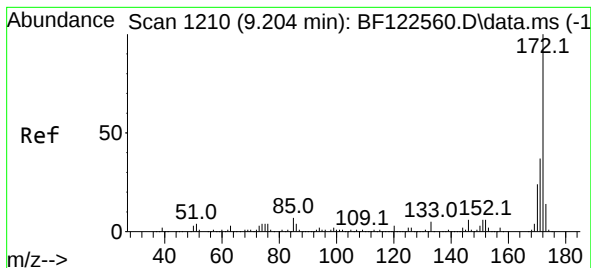
Tgt Ion:164 Resp: 332980
Ion Ratio Lower Upper
164 100
162 103.6 80.8 121.2
160 45.0 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 87.56 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:330 Resp: 381651
Ion Ratio Lower Upper
330 100
332 97.2 77.5 116.3
141 27.8 23.8 35.8

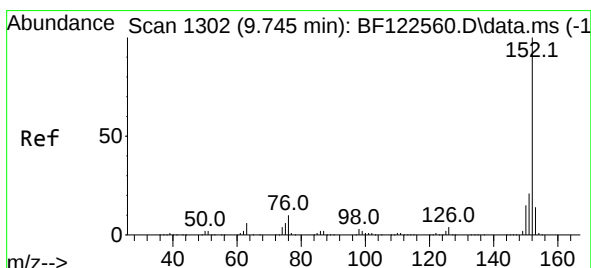
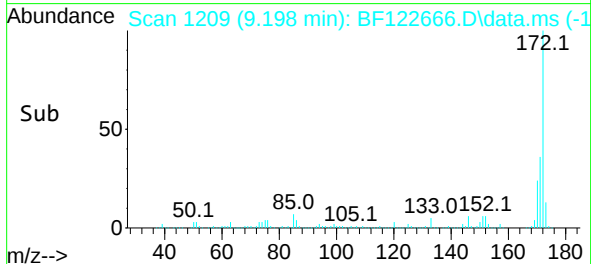
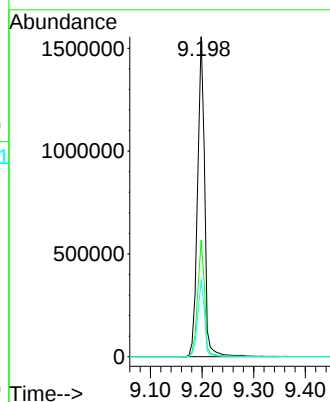
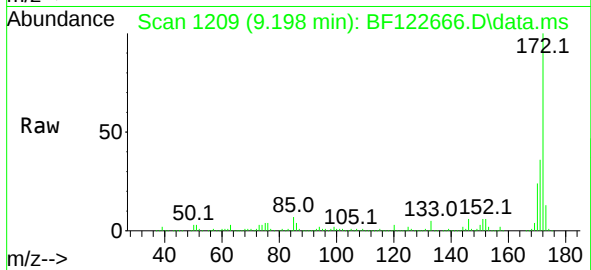




#45
2-Fluorobiphenyl
Concen: 60.38 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

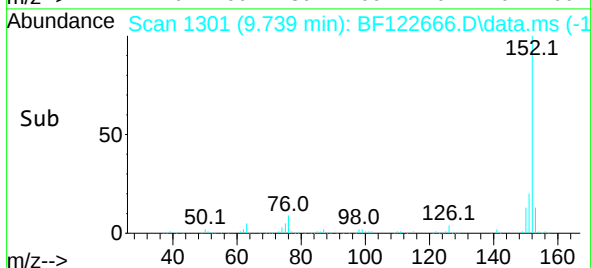
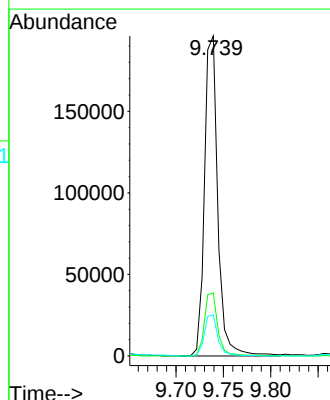
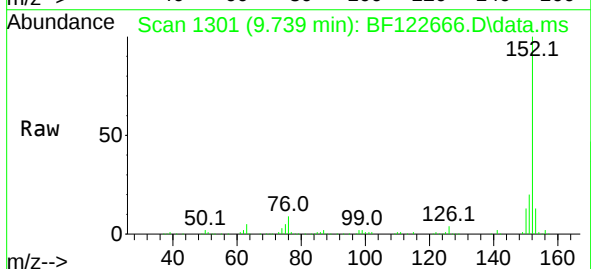
Instrument :
BNA_F
ClientSampleId :
PE-1A

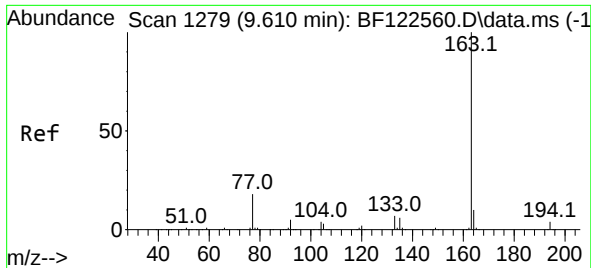
Tgt Ion:172 Resp: 1486353
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.7 19.5 29.3



#49
Acenaphthylene
Concen: 5.66 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:152 Resp: 191348
Ion Ratio Lower Upper
152 100
151 19.7 16.6 25.0
153 12.8 10.9 16.3

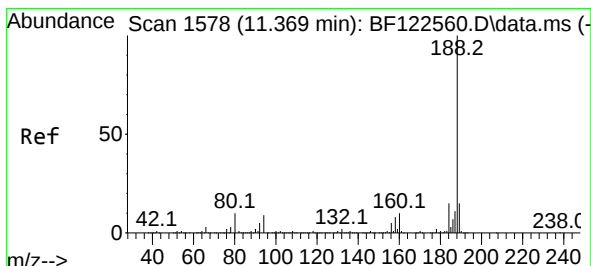
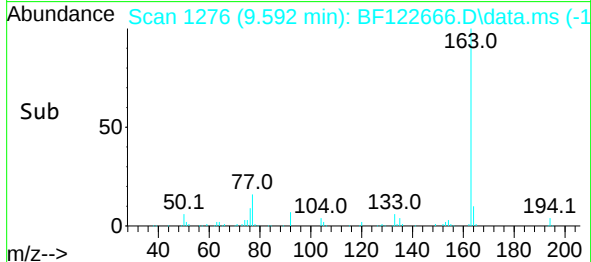
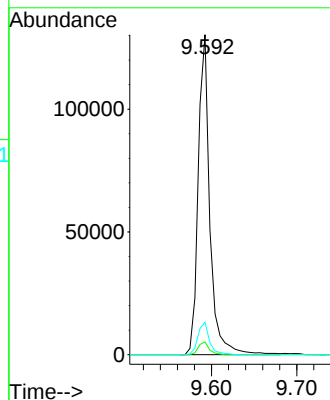
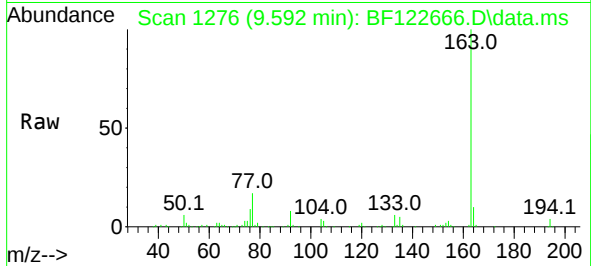




#50
Dimethylphthalate
Concen: 4.66 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

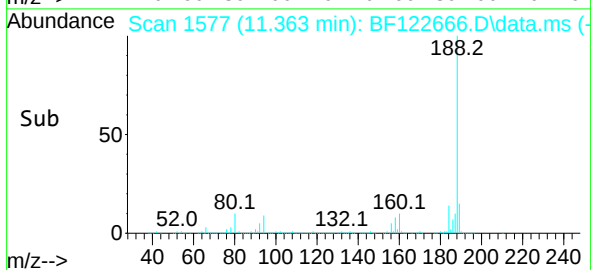
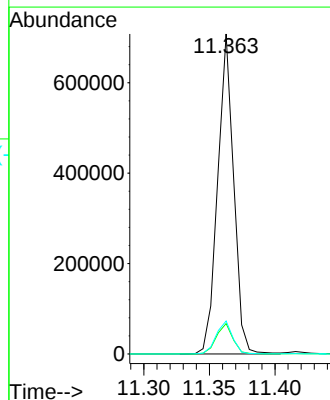
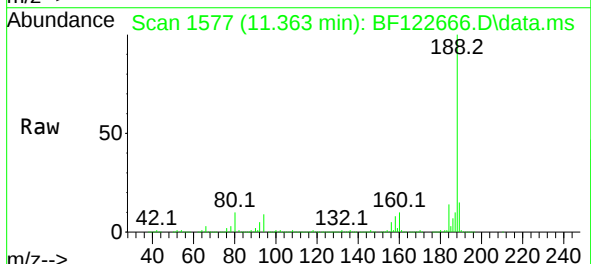
Instrument :
BNA_F
ClientSampleId :
PE-1A

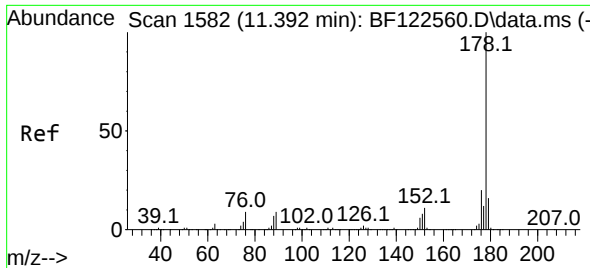
Tgt Ion:163 Resp: 123908
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.1 8.1 12.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:188 Resp: 601857
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.3 8.2 12.4

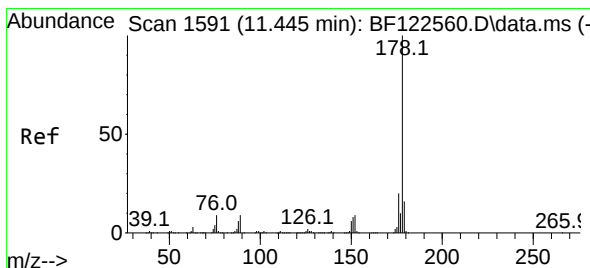
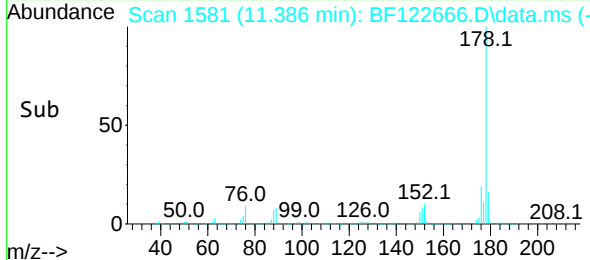
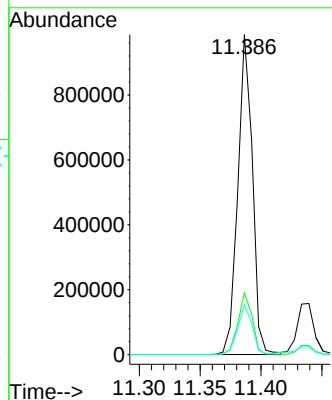
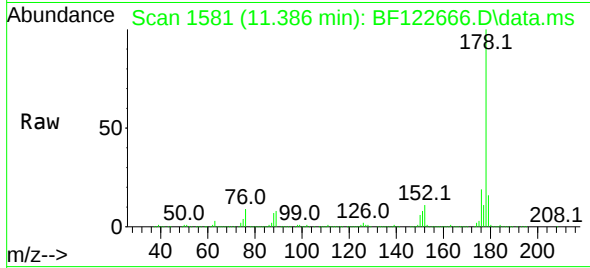




#71
Phenanthrene
Concen: 22.90 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

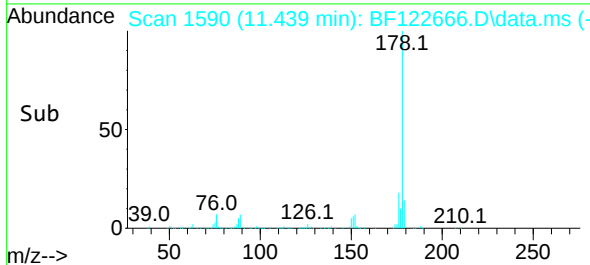
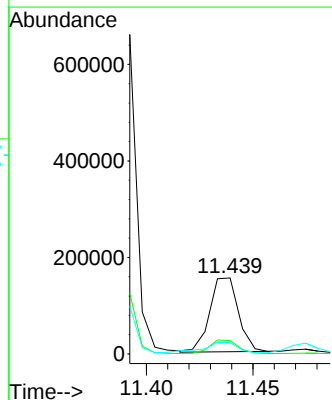
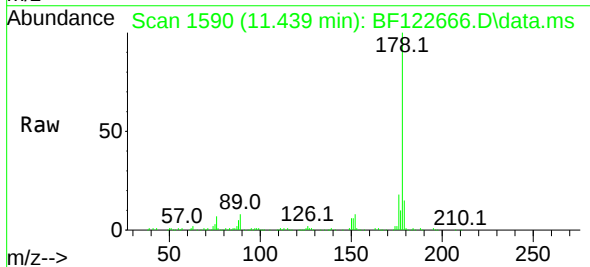
Instrument :
BNA_F
ClientSampleId :
PE-1A

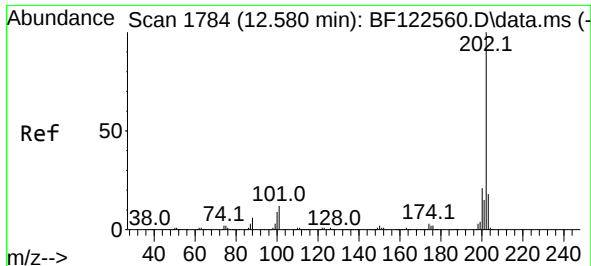
Tgt Ion:178 Resp: 819131
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.2
179 15.7 12.7 19.1



#72
Anthracene
Concen: 4.05 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:178 Resp: 143570
Ion Ratio Lower Upper
178 100
176 17.7 15.6 23.4
179 14.9 12.8 19.2

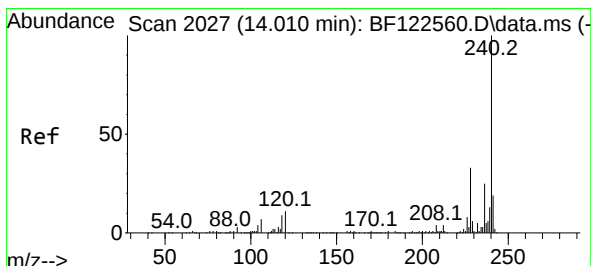
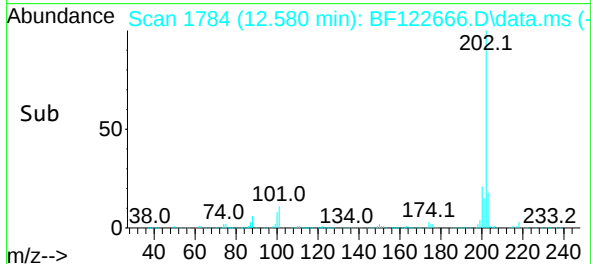
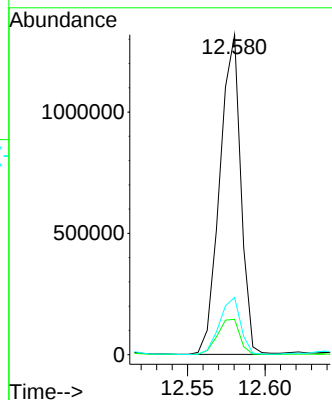
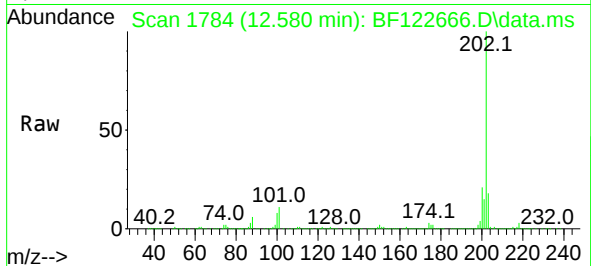




#75
Fluoranthene
Concen: 33.17 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.000 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

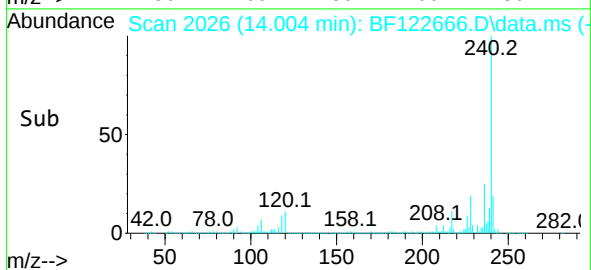
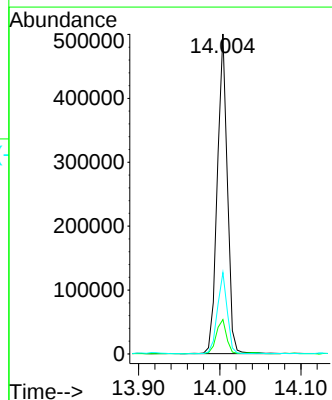
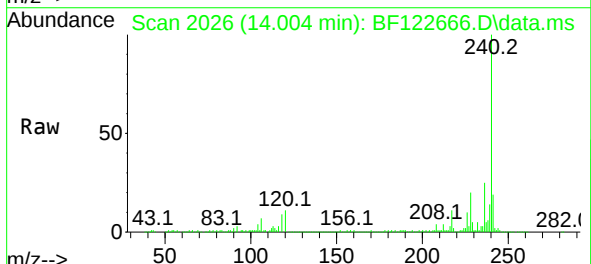
Instrument :
BNA_F
ClientSampleId :
PE-1A

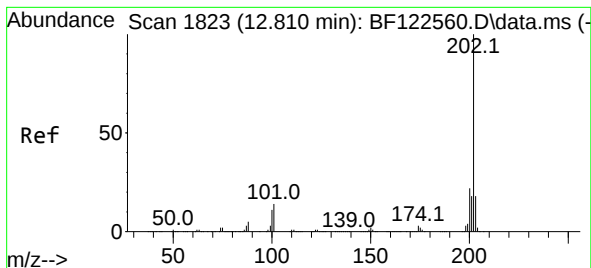
Tgt Ion:202 Resp: 1244001
Ion Ratio Lower Upper
202 100
101 11.0 0.0 32.2
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:240 Resp: 428323
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 25.5 20.3 30.5





#78

Pyrene

Concen: 35.99 ng

RT: 12.810 min Scan# 1823

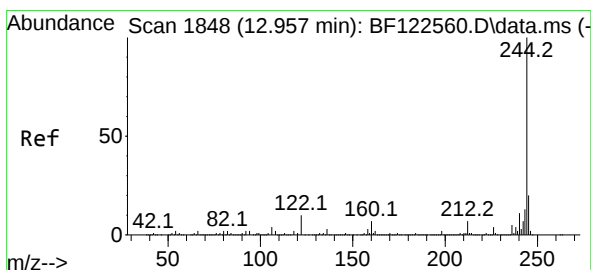
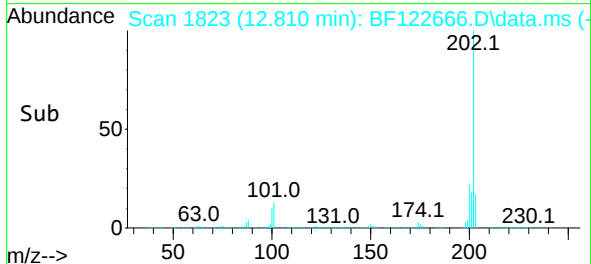
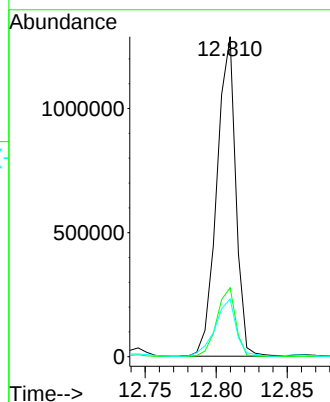
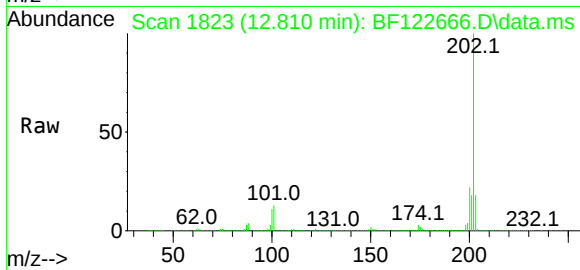
Delta R.T. -0.000 min

Lab File: BF122666.D

Acq: 11 Dec 2020 16:40

Tgt Ion:202 Resp: 1191825

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.6	26.4
203	18.0	14.6	21.8



#79

Terphenyl-d14

Concen: 57.12 ng

RT: 12.951 min Scan# 1847

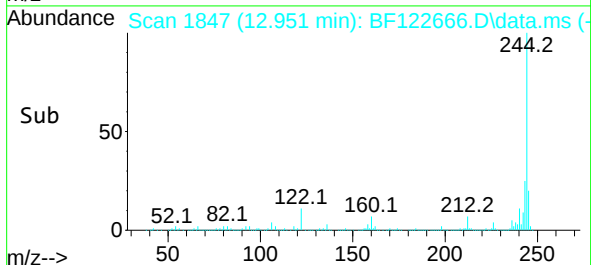
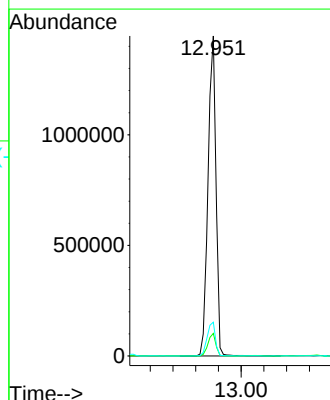
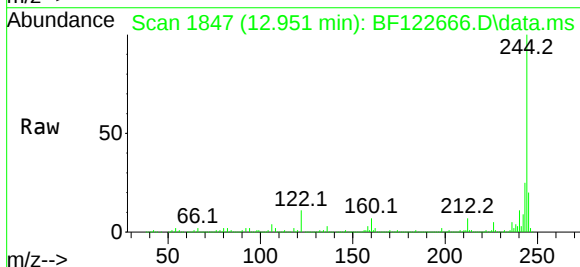
Delta R.T. -0.006 min

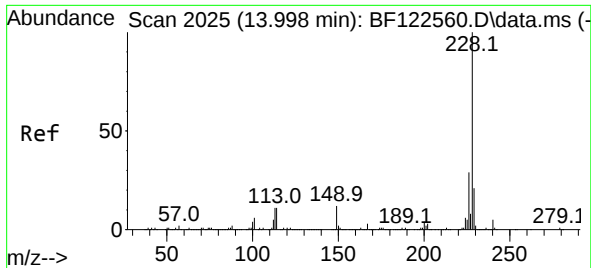
Lab File: BF122666.D

Acq: 11 Dec 2020 16:40

Tgt Ion:244 Resp: 1397760

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	10.6	8.3	12.5

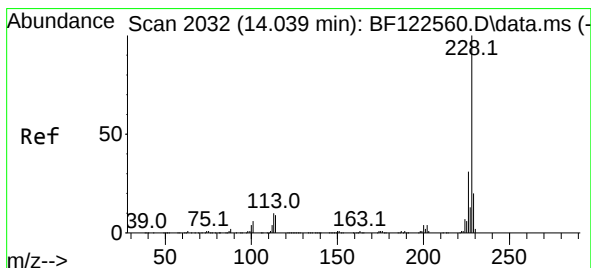
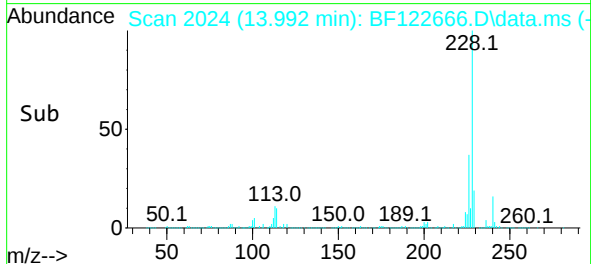
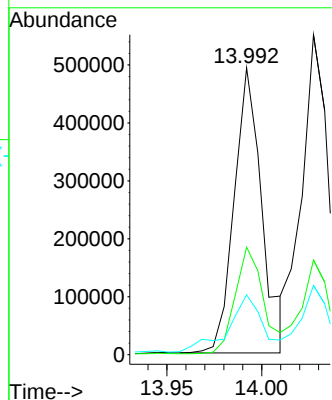
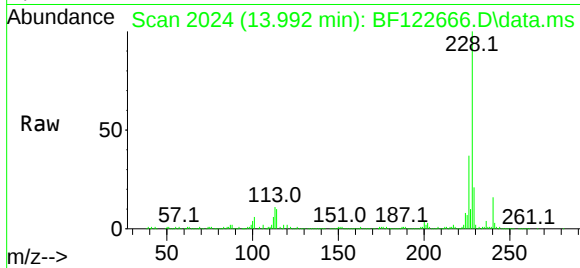




#81
Benzo(a)anthracene
Concen: 17.50 ng m
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

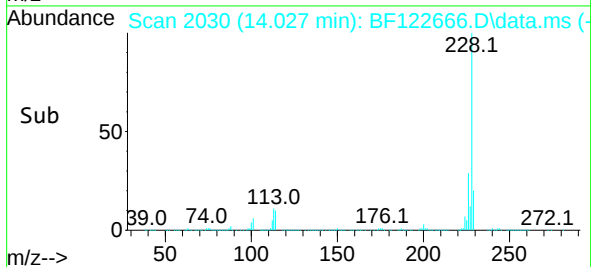
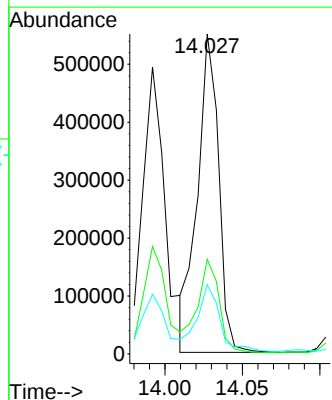
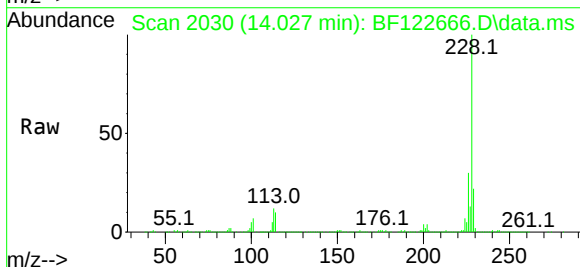
Instrument :
BNA_F
ClientSampleId :
PE-1A

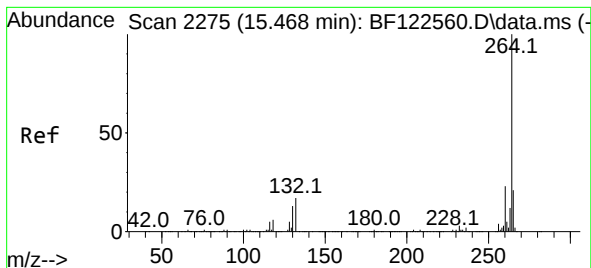
Tgt Ion:228 Resp: 500847
Ion Ratio Lower Upper
228 100
226 37.5 23.0 34.4#
229 20.8 16.6 24.8



#83
Chrysene
Concen: 18.33 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

Tgt Ion:228 Resp: 522140
Ion Ratio Lower Upper
228 100
226 29.6 24.6 36.8
229 21.7 15.8 23.6

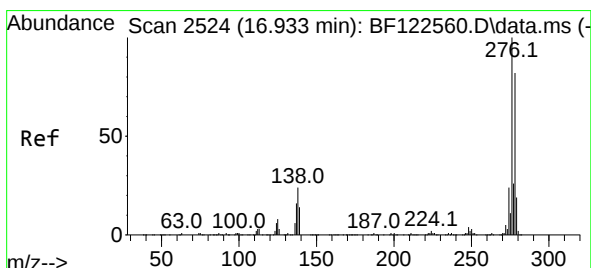
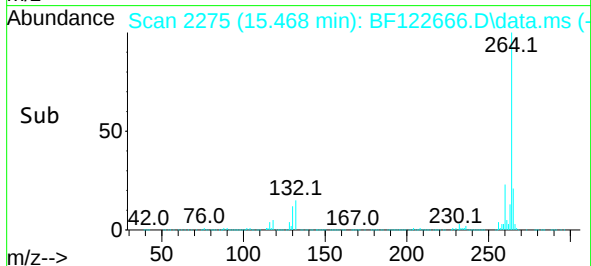
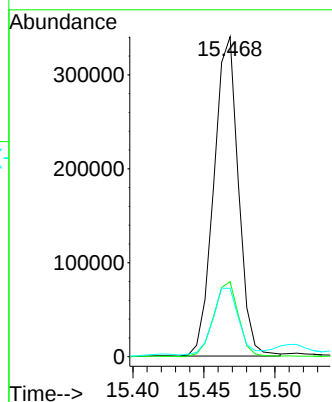
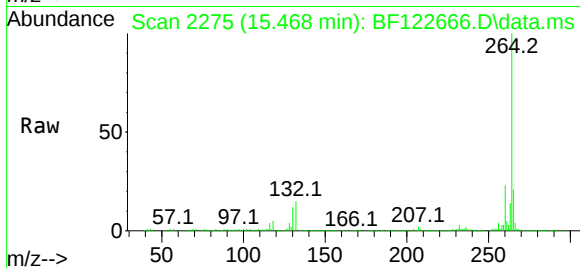




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.468 min Scan# 2275
 Delta R.T. -0.000 min
 Lab File: BF122666.D
 Acq: 11 Dec 2020 16:40

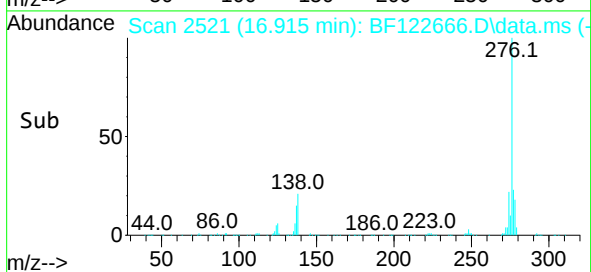
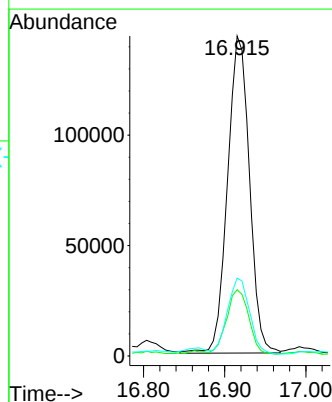
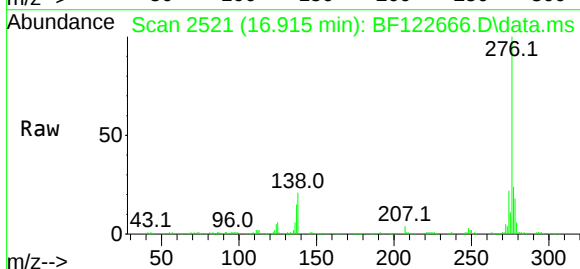
Instrument :
 BNA_F
 ClientSampleId :
 PE-1A

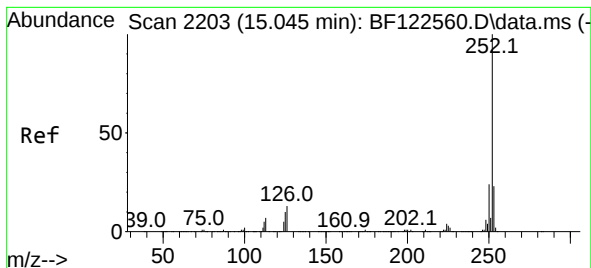
Tgt Ion:264 Resp: 408382
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.4 17.0 25.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.06 ng
 RT: 16.915 min Scan# 2521
 Delta R.T. -0.018 min
 Lab File: BF122666.D
 Acq: 11 Dec 2020 16:40

Tgt Ion:276 Resp: 269584
 Ion Ratio Lower Upper
 276 100
 138 20.5 18.7 28.1
 277 24.1 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 19.14 ng m

RT: 15.039 min Scan# 2202

Delta R.T. -0.006 min

Lab File: BF122666.D

Acq: 11 Dec 2020 16:40

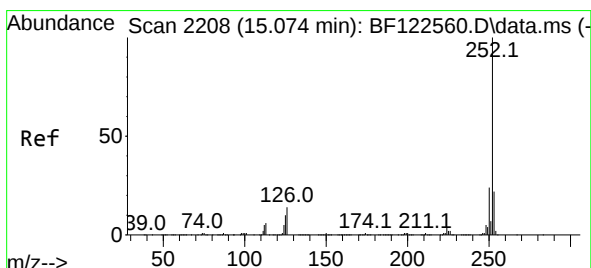
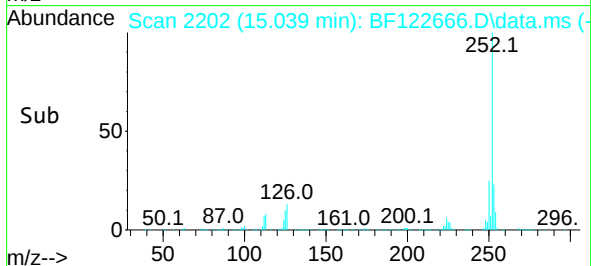
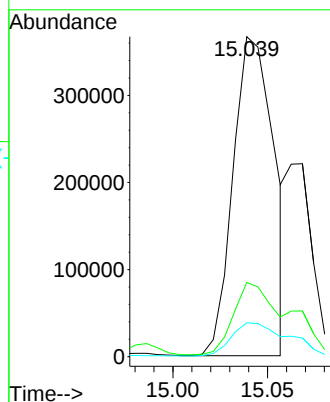
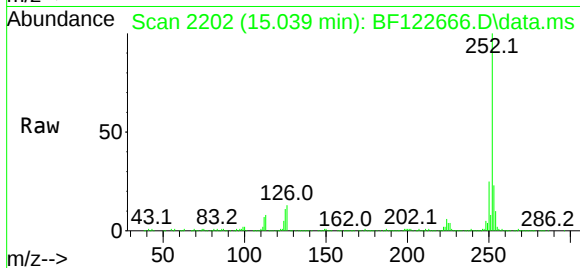
Tgt Ion:252 Resp: 548409

Ion Ratio Lower Upper

252 100

253 23.2 18.3 27.5

125 10.6 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 7.78 ng m

RT: 15.068 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF122666.D

Acq: 11 Dec 2020 16:40

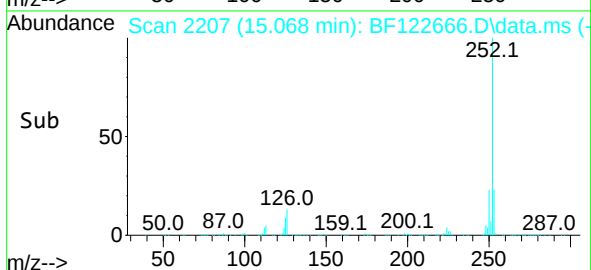
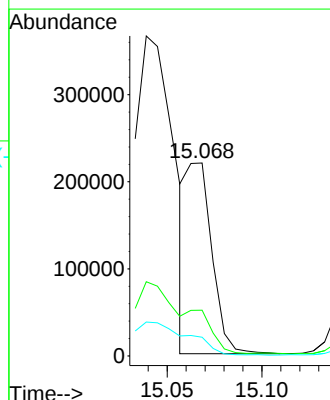
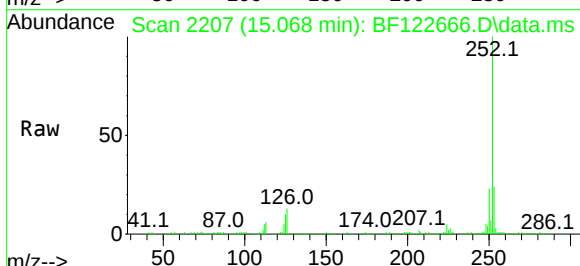
Tgt Ion:252 Resp: 203848

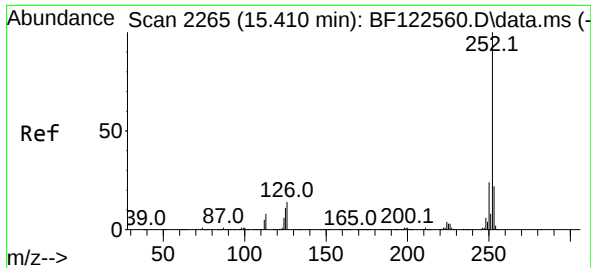
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 9.7 8.4 12.6

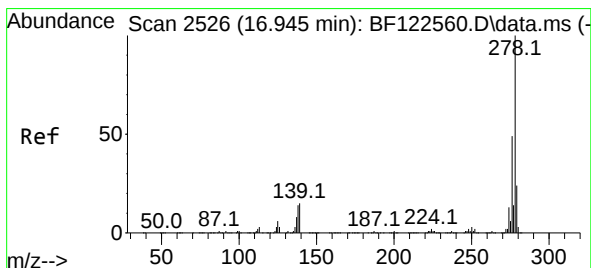
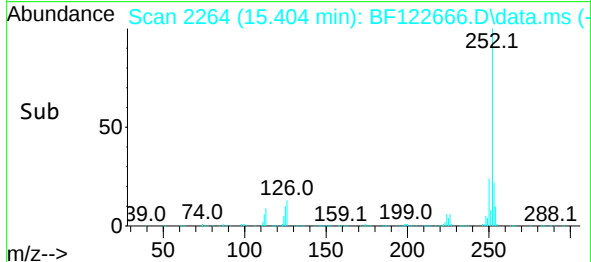
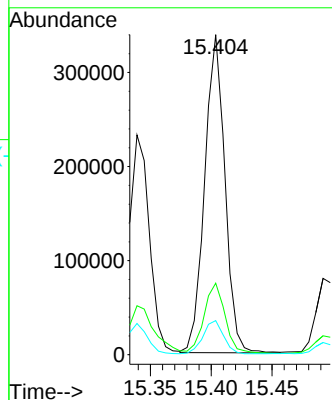
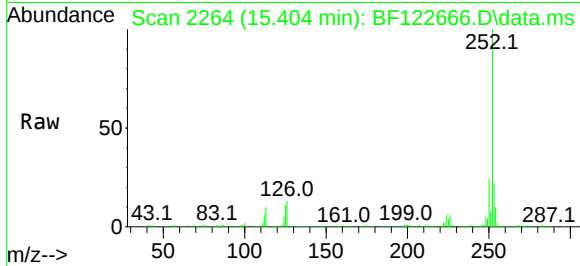




#90
Benzo(a)pyrene
Concen: 15.62 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

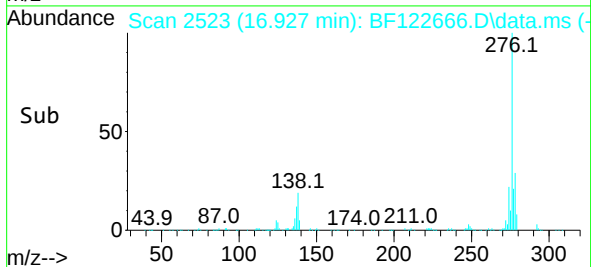
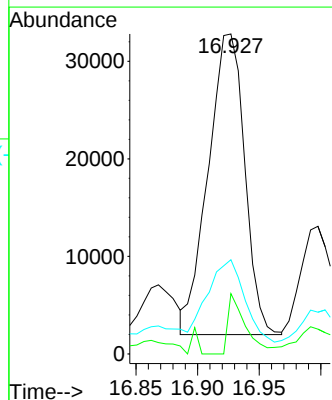
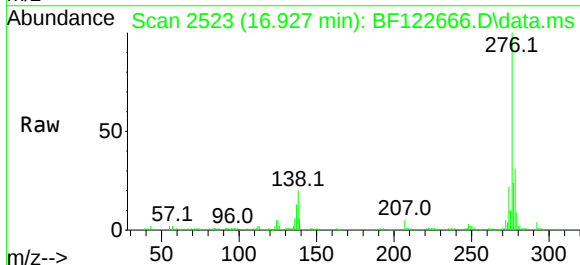
Instrument :
BNA_F
ClientSampled :
PE-1A

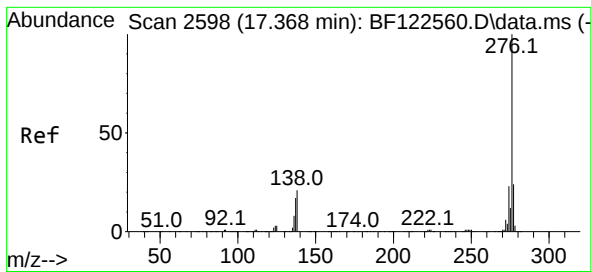
Tgt Ion:252 Resp: 391486
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 10.7 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 2.89 ng m
RT: 16.927 min Scan# 2523
Delta R.T. -0.018 min
Lab File: BF122666.D
Acq: 11 Dec 2020 16:40

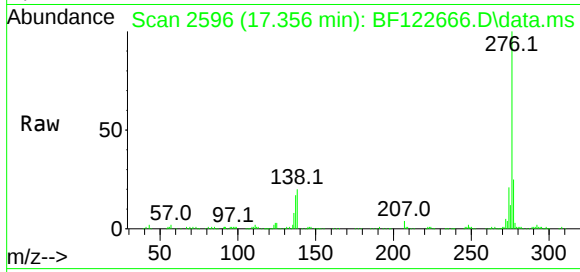
Tgt Ion:278 Resp: 63465
Ion Ratio Lower Upper
278 100
139 18.8 12.0 18.0#
279 29.4 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 12.36 ng
 RT: 17.356 min Scan# 2596
 Delta R.T. -0.012 min
 Lab File: BF122666.D
 Acq: 11 Dec 2020 16:40

Instrument :
 BNA_F
 ClientSampleId :
 PE-1A



Tgt Ion:	276	Resp:	262366
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.3	28.9
138	20.3	16.6	24.8

