

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060921\
 Data File : BF124208.D
 Acq On : 9 Jun 2021 14:40
 Operator : JU/CG
 Sample : M2629-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-060721

Quant Time: Jun 09 15:21:24 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 09 14:34:04 2021
 Response via : Initial Calibration

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

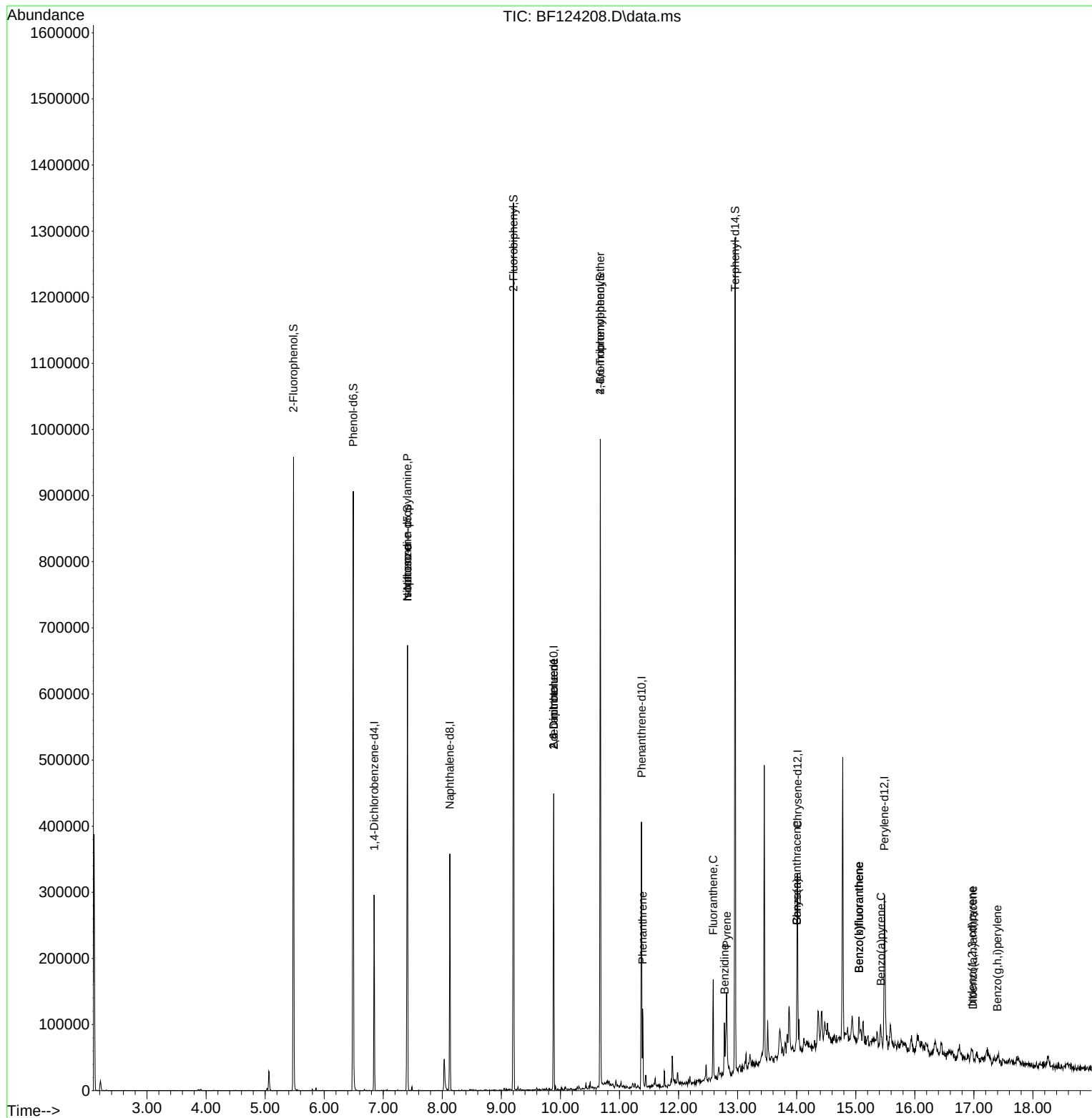
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	33549	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	130146	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	79155	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	143274	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	81469	20.000	ng	0.00
86) Perylene-d12	15.486	264	85748	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	189766	85.148	ng	0.00
7) Phenol-d6	6.492	99	241998	80.783	ng	0.00
23) Nitrobenzene-d5	7.410	82	183898	56.042	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	95529	85.185	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	358164	56.939	ng	0.00
79) Terphenyl-d14	12.957	244	361651	60.947	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	27857	13.173	ng	# 61
25) Isophorone	7.410	82	183893	31.099	ng	# 69
51) 2,6-Dinitrotoluene	9.886	165	10733	7.148	ng	# 10
57) 2,4-Dinitrotoluene	9.886	165	10733	5.420	ng	# 15
67) 4-Bromophenyl-phenylether	10.674	248	7040	3.580	ng	# 1
71) Phenanthrene	11.392	178	37344	4.172	ng	94
75) Fluoranthene	12.586	202	49591	5.279	ng	95
77) Benzidine	12.780	184	349	4.229	ng	# 68
78) Pyrene	12.815	202	38650	4.940	ng	96
81) Benzo(a)anthracene	14.004	228	13722	2.312	ng	99
83) Chrysene	14.004	228	13722	2.396	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	11054	5.744	ng	# 93
88) Benzo(b)fluoranthene	15.056	252	24075	3.614	ng	# 88
89) Benzo(k)fluoranthene	15.056	252	24075	3.818	ng	# 89
90) Benzo(a)pyrene	15.427	252	13228	2.286	ng	# 87
91) Dibenzo(a,h)anthracene	16.986	278	3492	4.698	ng	# 72
92) Benzo(g,h,i)perylene	17.398	276	9763	5.303	ng	# 93

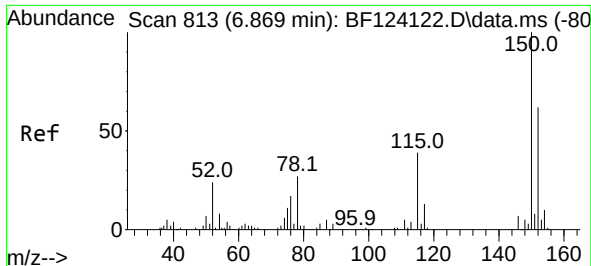
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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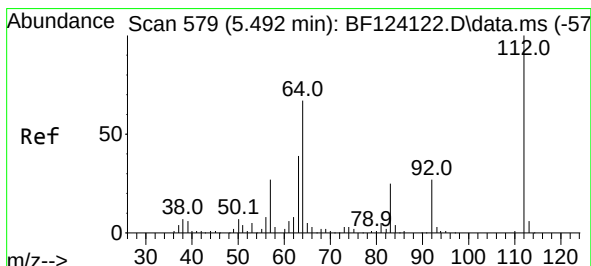
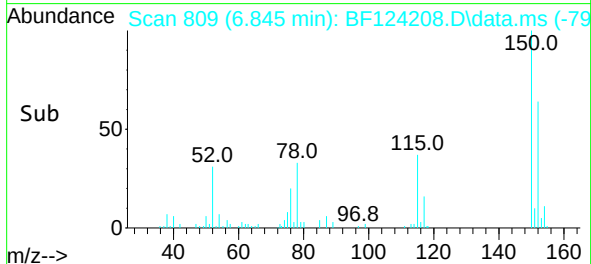
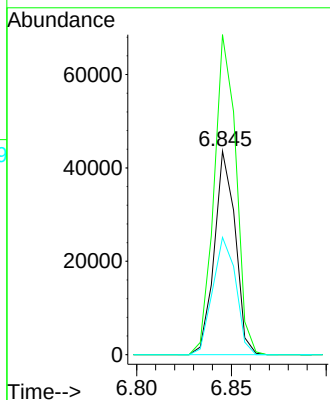
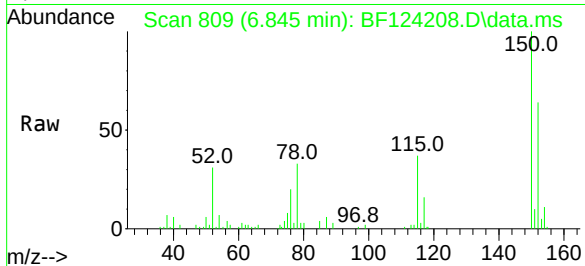




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

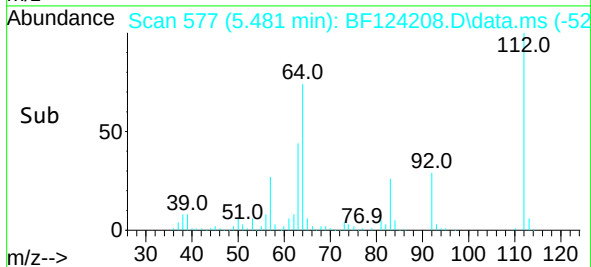
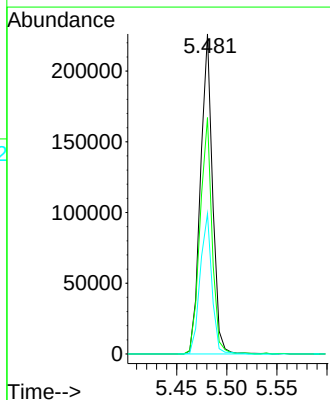
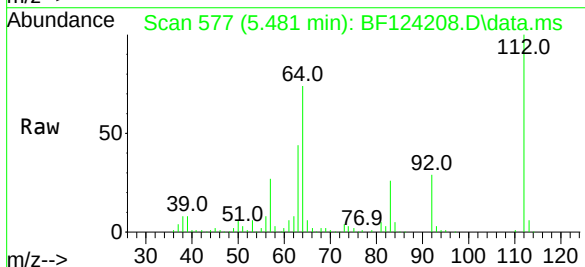
Instrument :
BNA_F
ClientSampled :
OK-02-060721

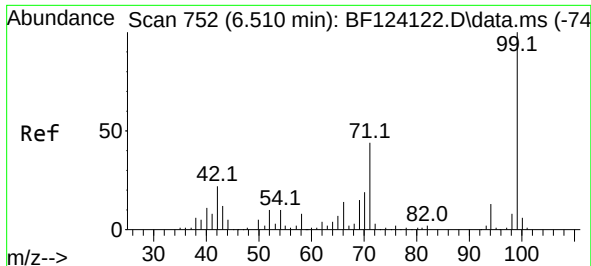
Tgt Ion:152 Resp: 33549
Ion Ratio Lower Upper
152 100
150 157.3 127.0 190.6
115 57.6 54.3 81.5



#5
2-Fluorophenol
Concen: 85.148 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion:112 Resp: 189766
Ion Ratio Lower Upper
112 100
64 73.8 61.4 92.0
63 43.8 33.0 49.4

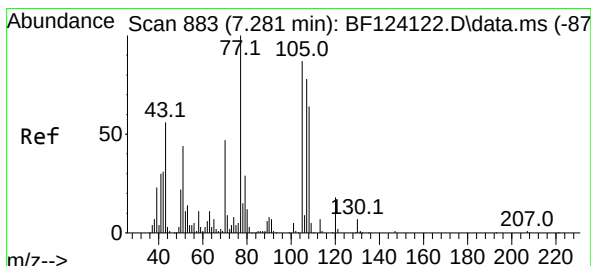
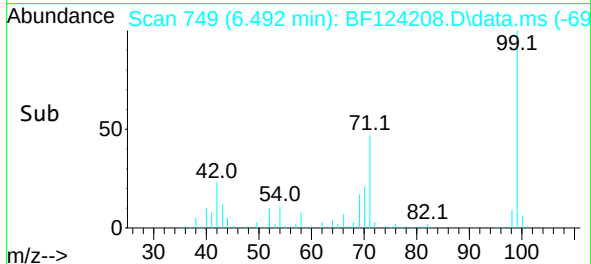
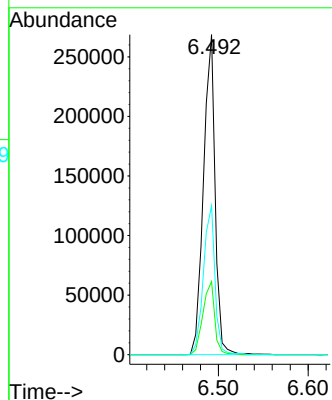
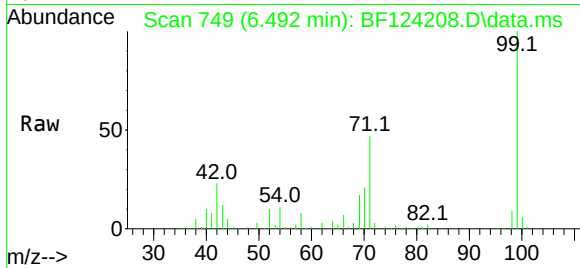




#7
Phenol-d6
Concen: 80.783 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

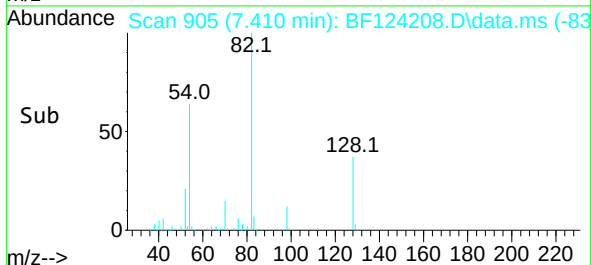
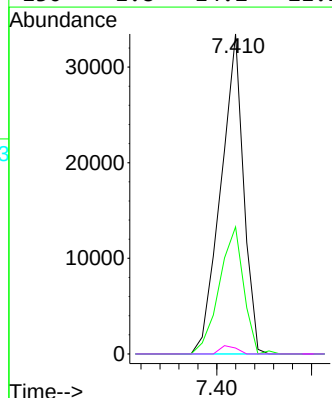
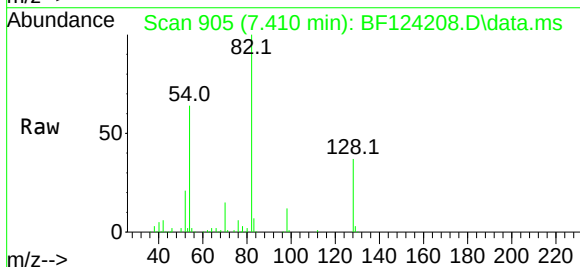
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

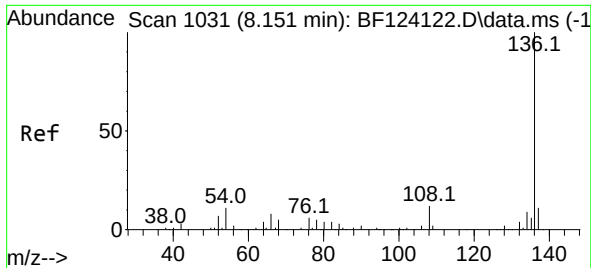
Tgt Ion: 99 Resp: 241998
Ion Ratio Lower Upper
99 100
42 22.9 19.8 29.8
71 46.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.173 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

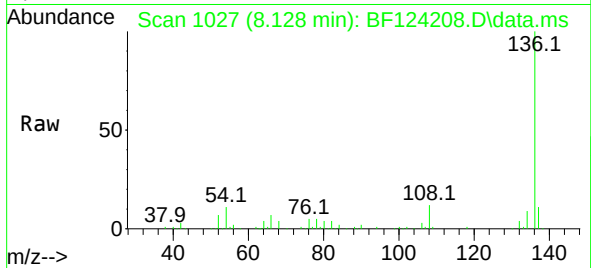
Tgt Ion: 70 Resp: 27857
Ion Ratio Lower Upper
70 100
42 39.7 60.1 90.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#



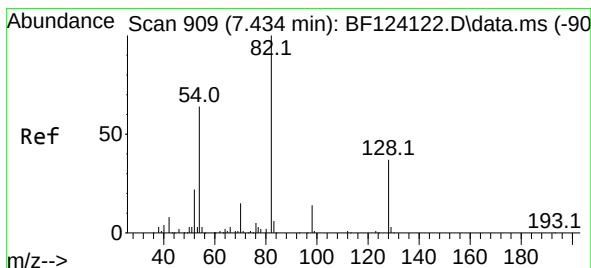
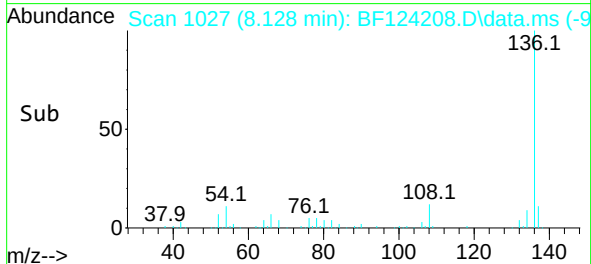
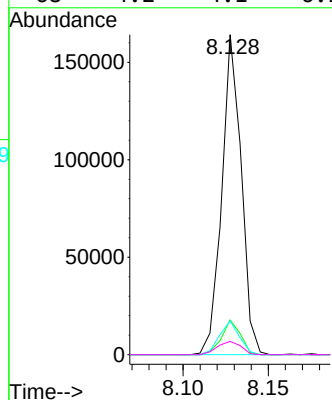


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Instrument :
BNA_F
ClientSampleId :
OK-02-060721

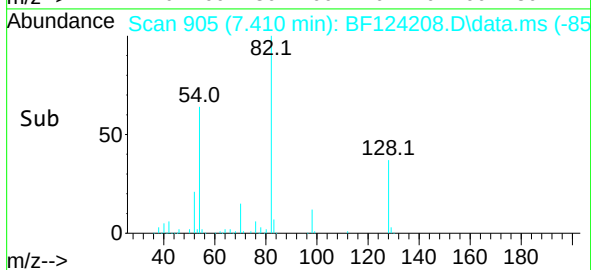
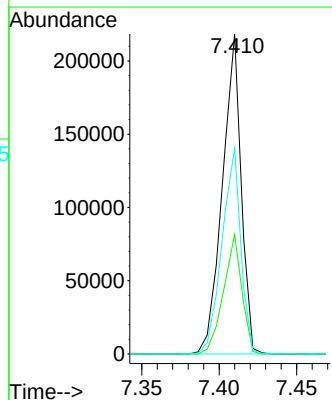
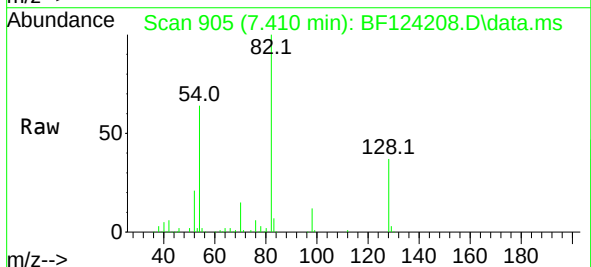


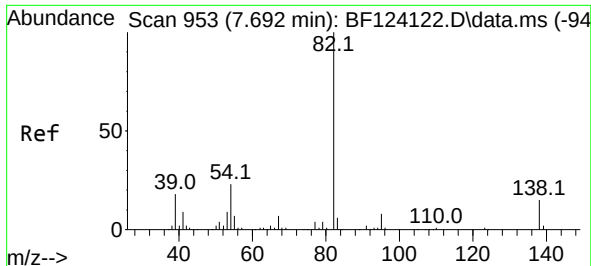
Tgt Ion:136 Resp: 130146
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 10.6 9.8 14.6
68 4.2 4.1 6.1



#23
Nitrobenzene-d5
Concen: 56.042 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion: 82 Resp: 183898
Ion Ratio Lower Upper
82 100
128 37.4 29.4 44.2
54 64.4 54.1 81.1

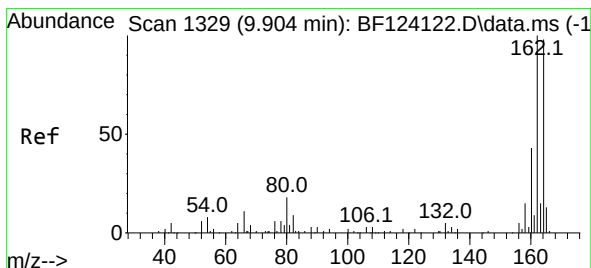
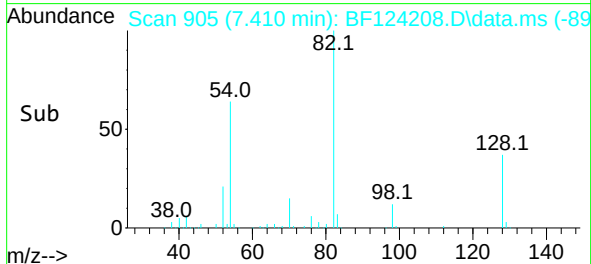
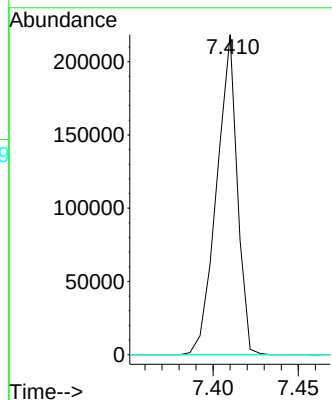
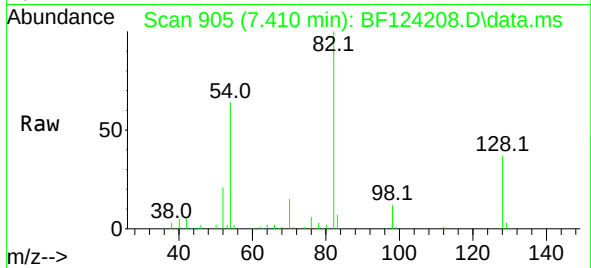




#25
Isophorone
Concen: 31.099 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

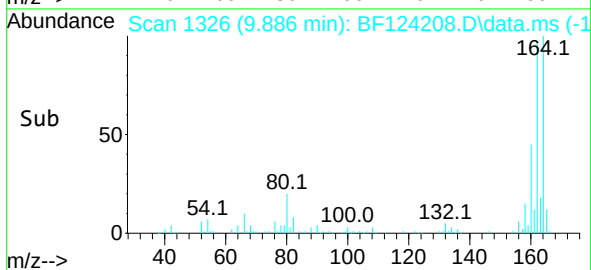
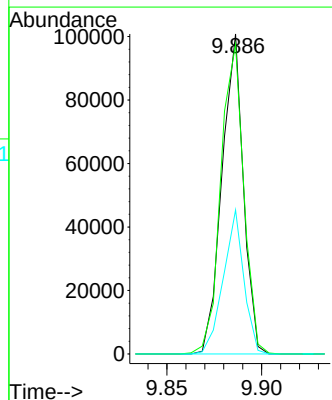
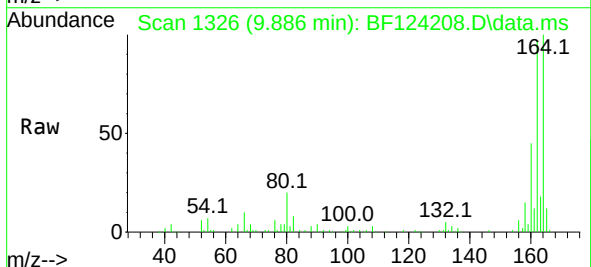
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

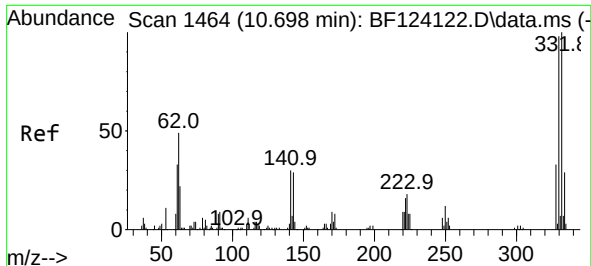
Tgt Ion: 82 Resp: 183893
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion: 164 Resp: 79155
Ion Ratio Lower Upper
164 100
162 96.7 80.7 121.1
160 45.0 37.3 55.9

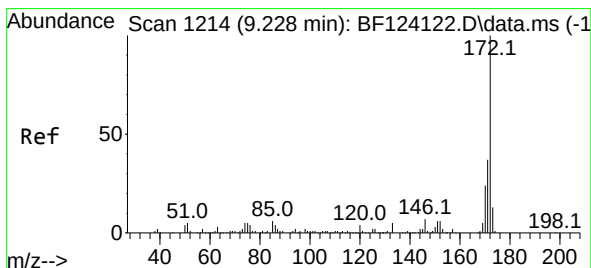
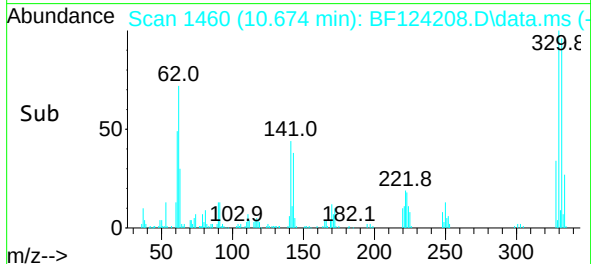
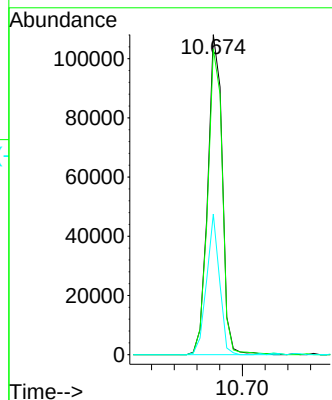
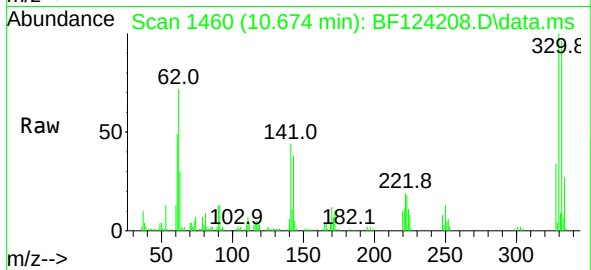




#42
2,4,6-Tribromophenol
Concen: 85.185 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

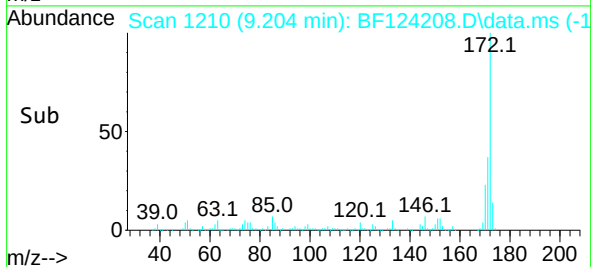
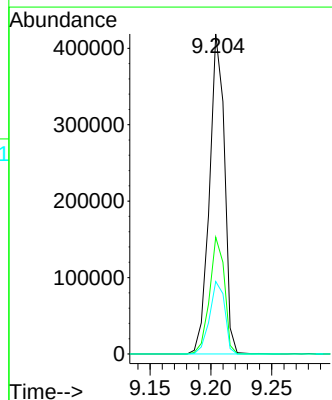
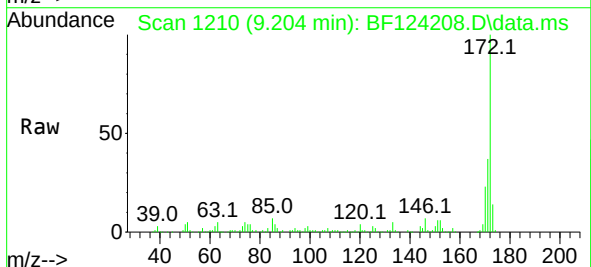
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ClientSampleId :
OK-02-060721

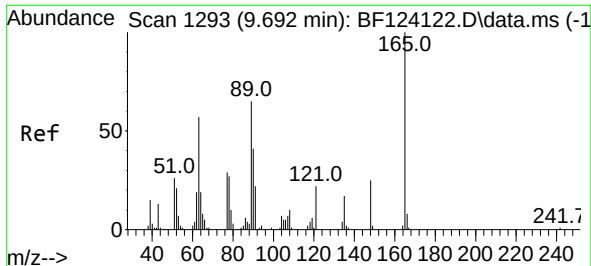
Tgt Ion:330 Resp: 95529
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 38.9 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 56.939 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion:172 Resp: 358164
Ion Ratio Lower Upper
172 100
171 36.5 28.1 42.1
170 22.6 19.2 28.8

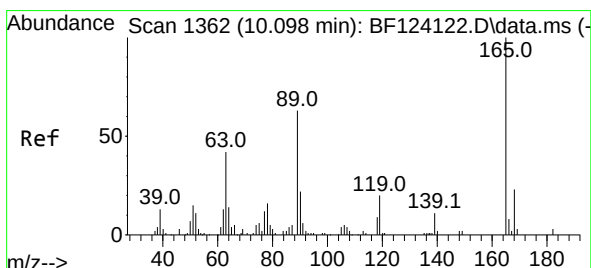
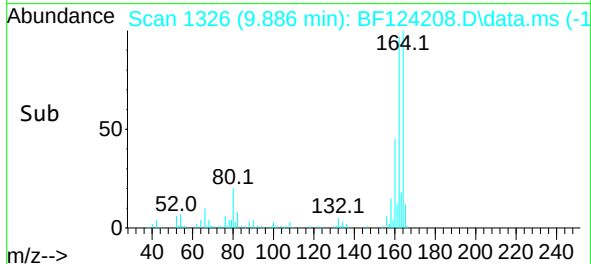
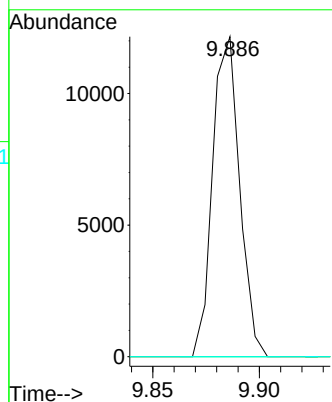
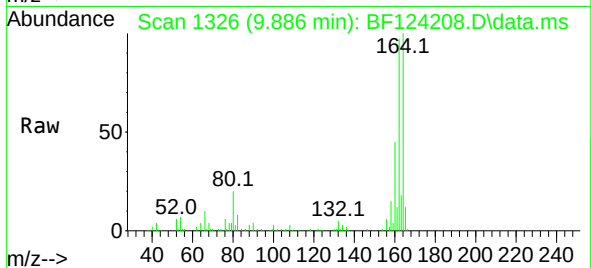




#51
2,6-Dinitrotoluene
Concen: 7.148 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.206 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

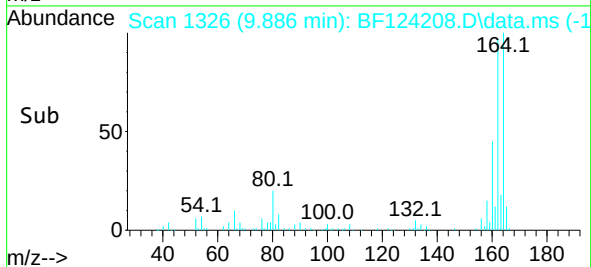
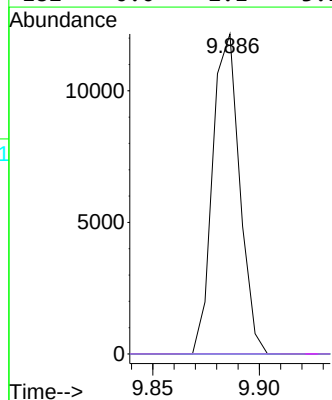
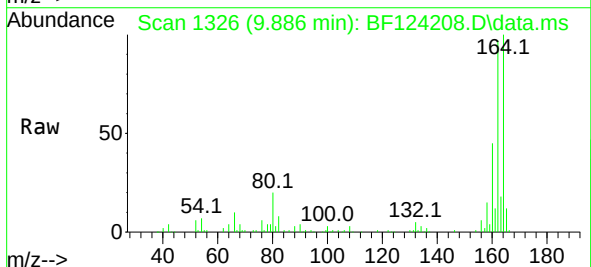
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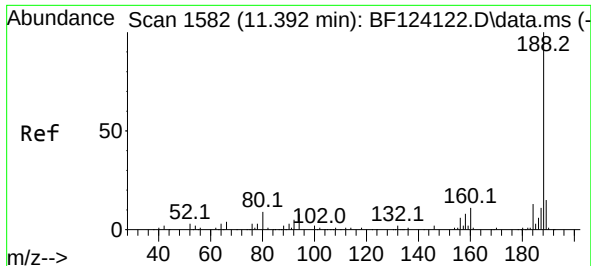
Tgt Ion:165 Resp: 10733
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.420 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.200 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion:165 Resp: 10733
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

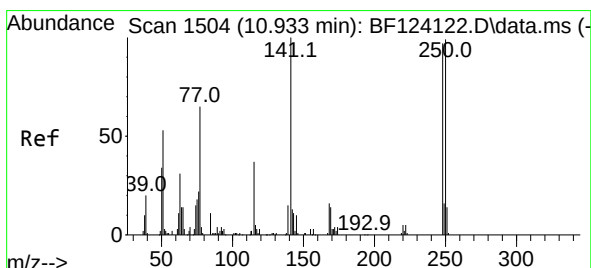
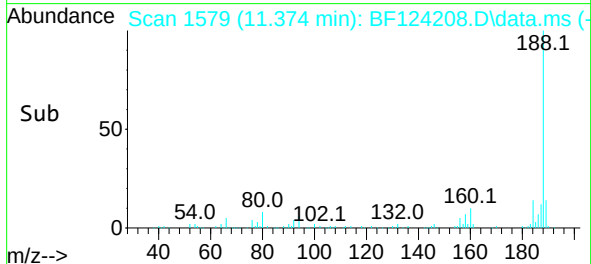
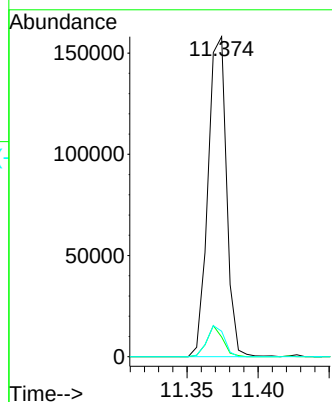
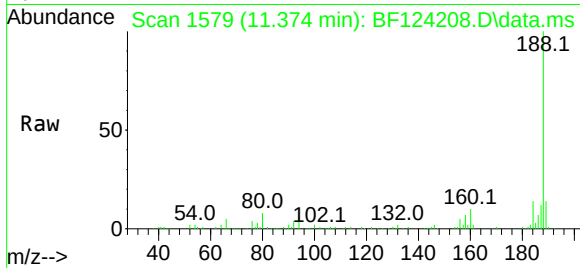




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

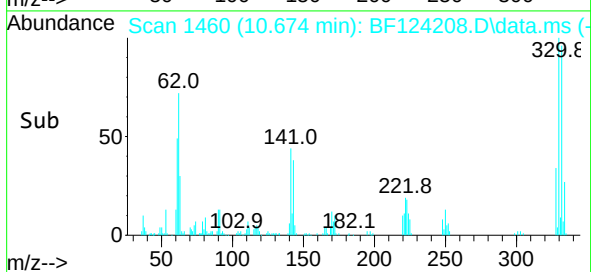
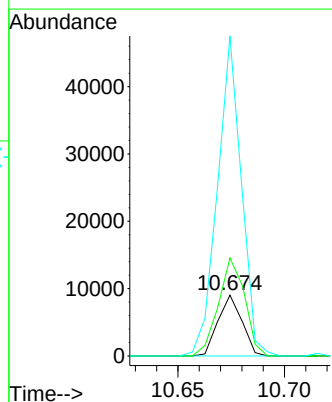
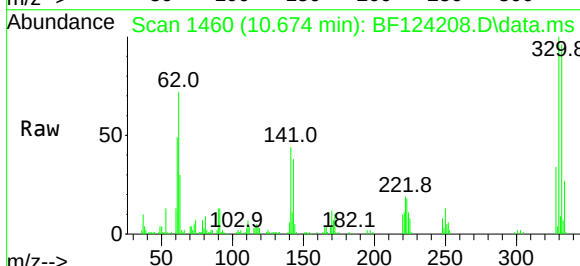
Instrument :
BNA_F
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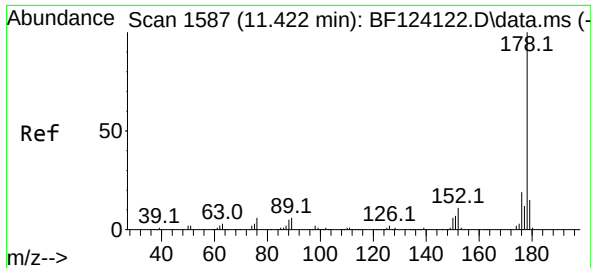
Tgt Ion:188 Resp: 143274
Ion Ratio Lower Upper
188 100
94 6.2 6.9 10.3#
80 8.0 8.2 12.2#



#67
4-Bromophenyl-phenylether
Concen: 3.580 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.247 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion:248 Resp: 7040
Ion Ratio Lower Upper
248 100
250 161.0 77.4 116.2#
141 526.2 63.7 95.5#

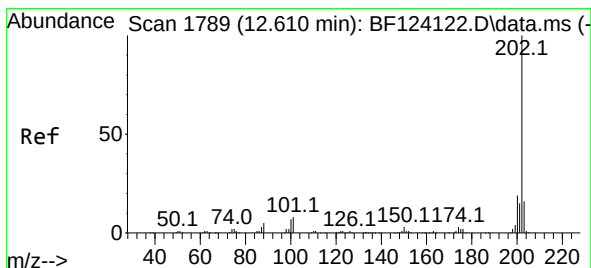
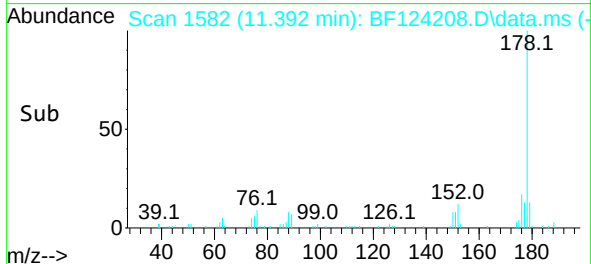
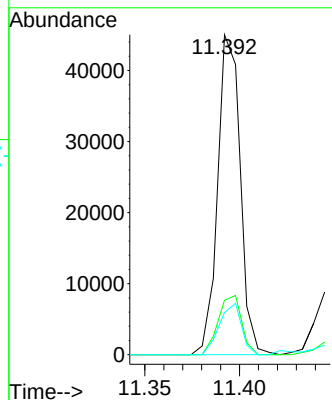
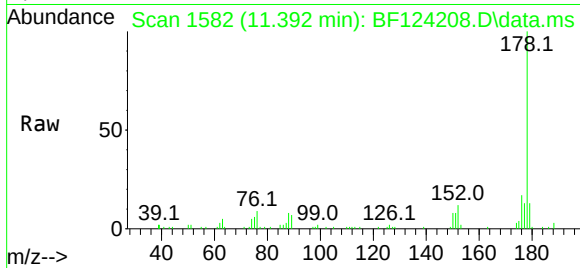




#71
Phenanthrene
Concen: 4.172 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

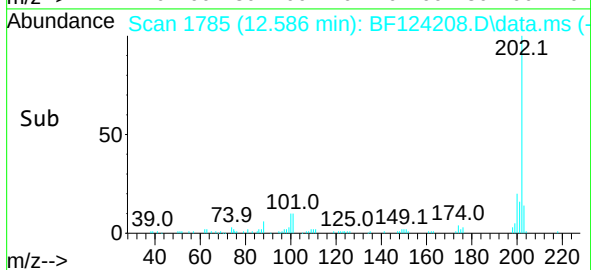
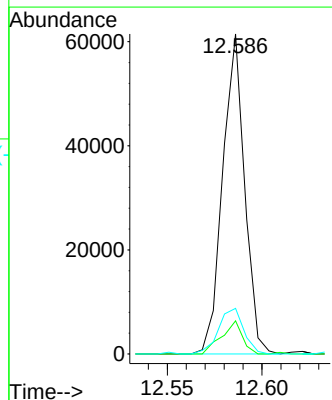
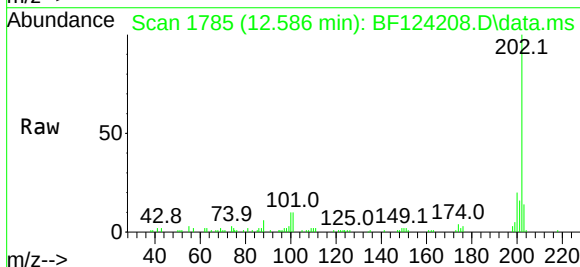
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

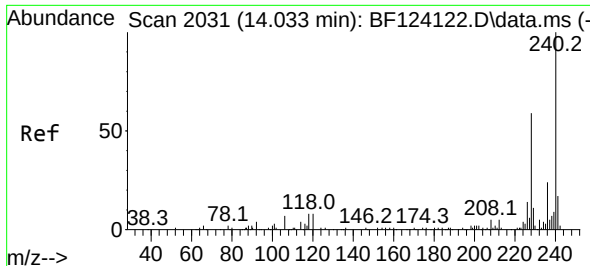
Tgt Ion:178 Resp: 37344
Ion Ratio Lower Upper
178 100
176 17.0 15.6 23.4
179 13.2 12.5 18.7



#75
Fluoranthene
Concen: 5.279 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion:202 Resp: 49591
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.9
203 14.3 0.0 37.5

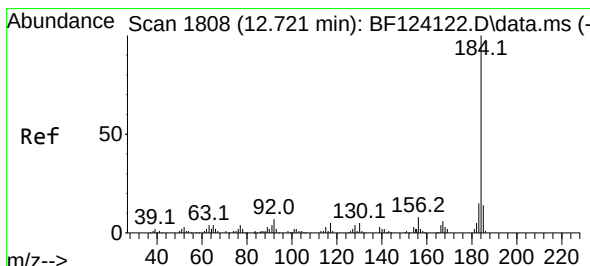
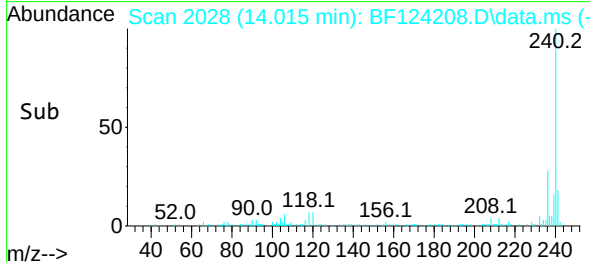
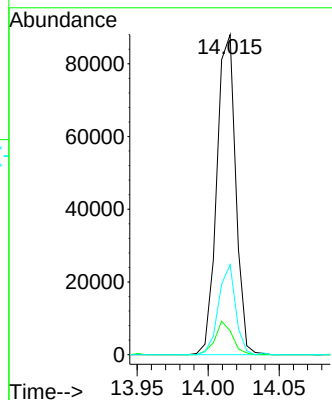
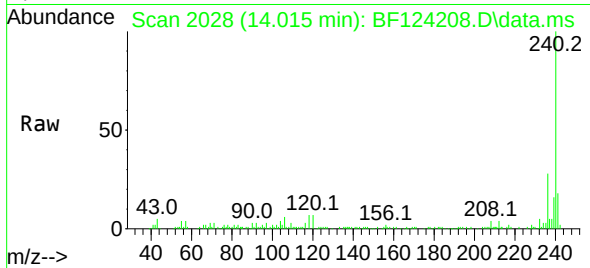




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

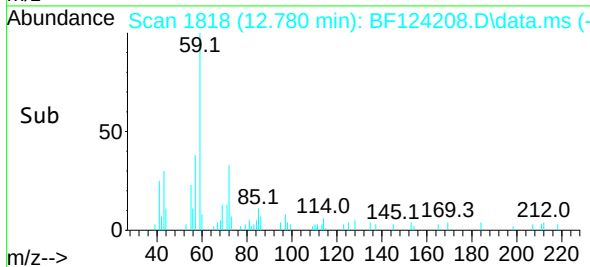
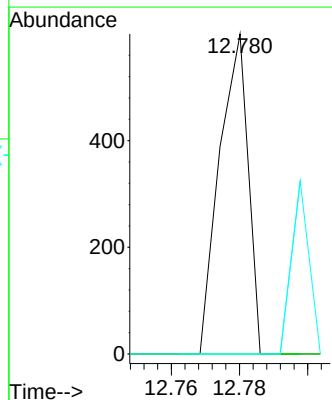
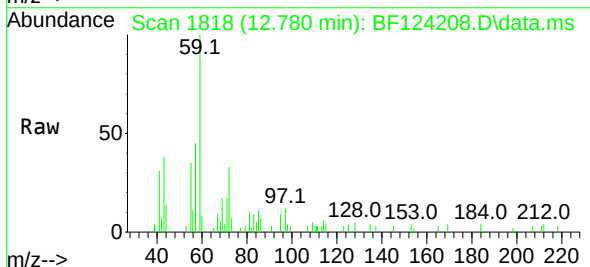
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

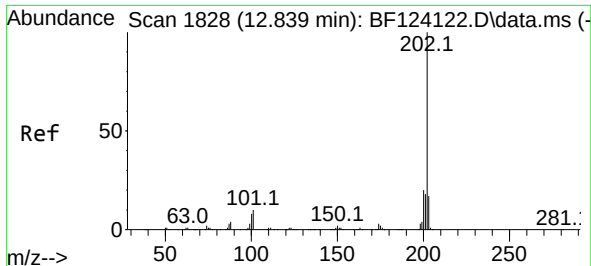
Tgt Ion:240 Resp: 81469
Ion Ratio Lower Upper
240 100
120 7.4 7.2 10.8
236 28.1 19.0 28.4



#77
Benzidine
Concen: 4.229 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.071 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion:184 Resp: 349
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#

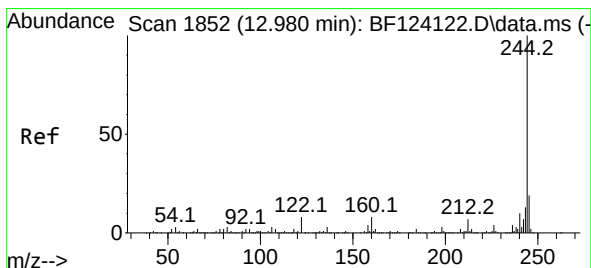
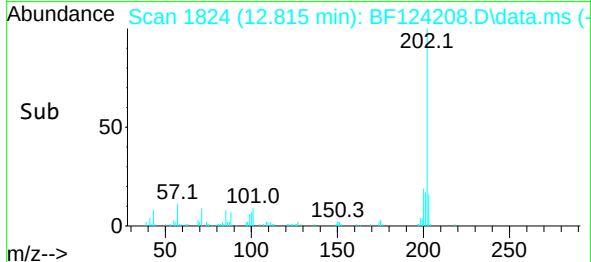
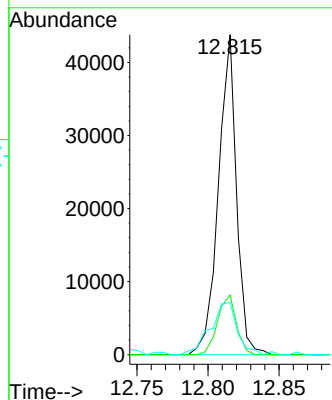
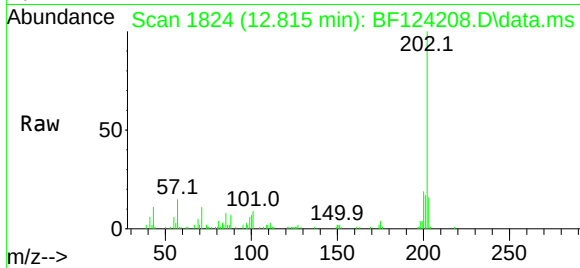




#78
Pyrene
Concen: 4.940 ng
RT: 12.815 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

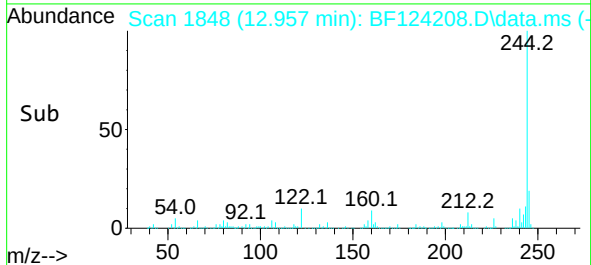
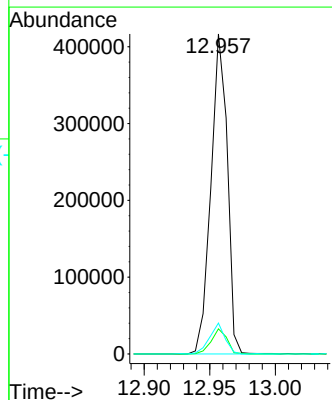
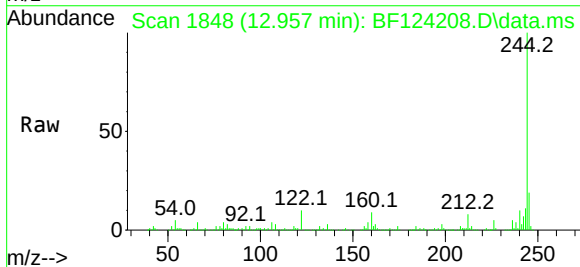
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

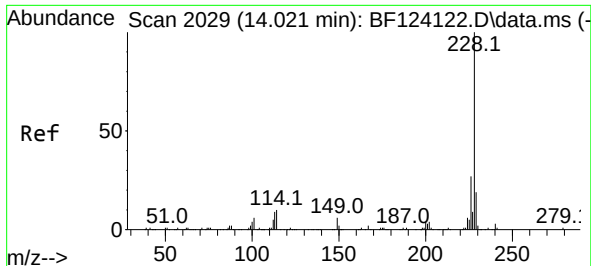
Tgt Ion:202 Resp: 38650
Ion Ratio Lower Upper
202 100
200 18.6 16.1 24.1
203 16.3 14.8 22.2



#79
Terphenyl-d14
Concen: 60.947 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion:244 Resp: 361651
Ion Ratio Lower Upper
244 100
212 7.9 5.7 8.5
122 9.6 9.7 14.5#

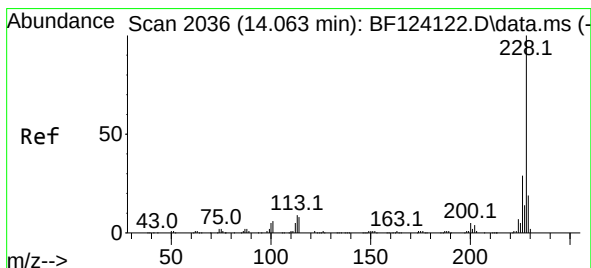
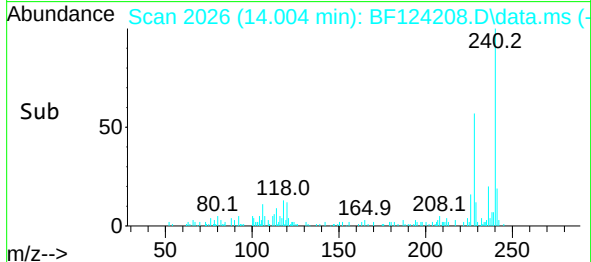
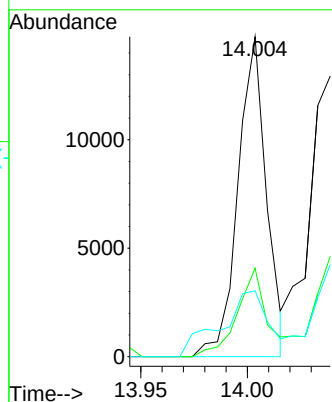
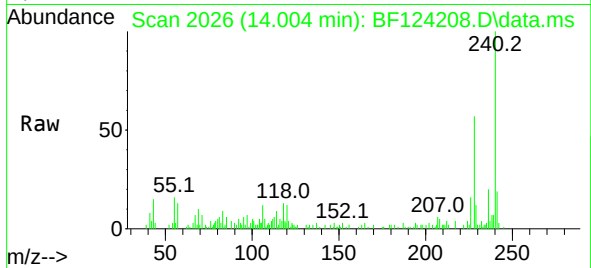




#81
Benzo(a)anthracene
Concen: 2.312 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

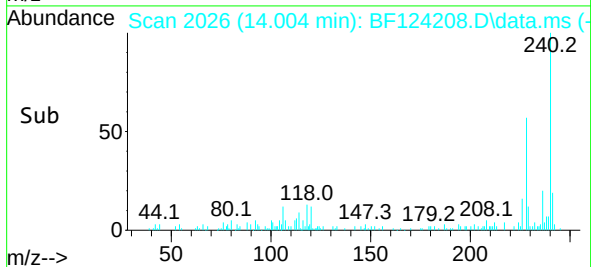
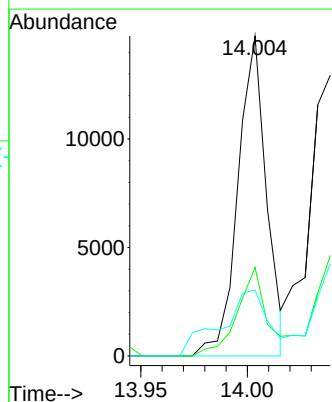
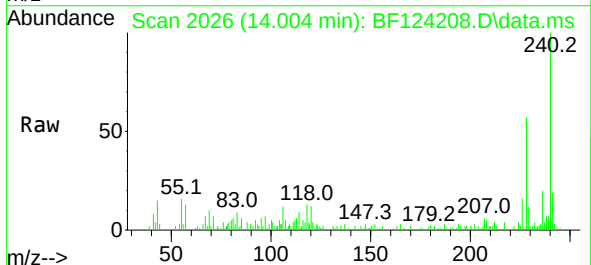
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

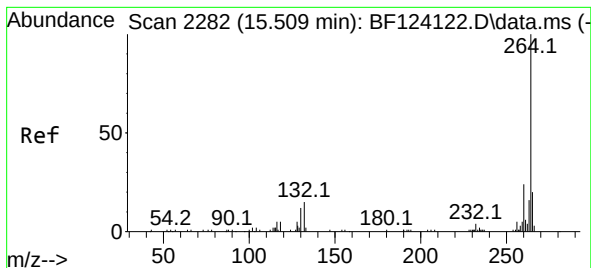
Tgt Ion:228 Resp: 13722
Ion Ratio Lower Upper
228 100
226 27.7 22.4 33.6
229 20.6 16.0 24.0



#83
Chrysene
Concen: 2.396 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.041 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion:228 Resp: 13722
Ion Ratio Lower Upper
228 100
226 27.7 24.3 36.5
229 20.6 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF124208.D

Acq: 9 Jun 2021 14:40

Tgt Ion:264 Resp: 85748

Ion Ratio Lower Upper

264 100

260 25.2 18.7 28.1

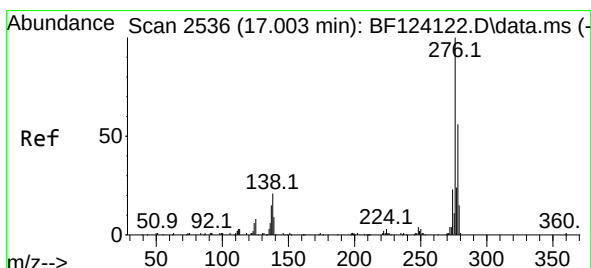
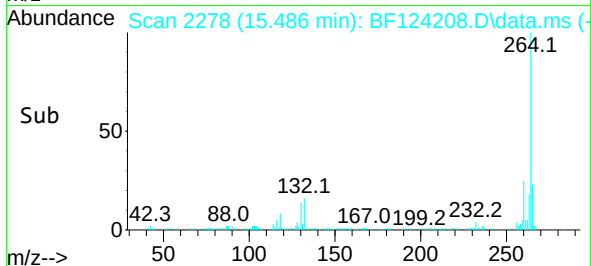
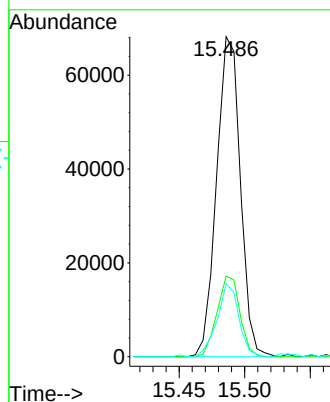
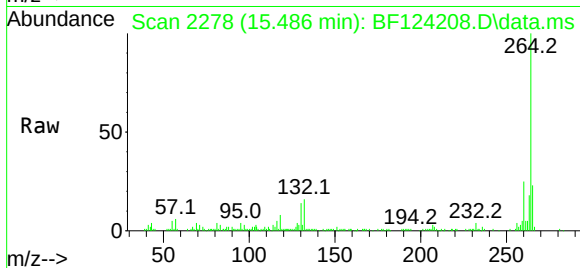
265 22.8 17.8 26.8

Instrument :

BNA_F

ClientSampleId :

OK-02-060721



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.744 ng

RT: 16.968 min Scan# 2530

Delta R.T. -0.012 min

Lab File: BF124208.D

Acq: 9 Jun 2021 14:40

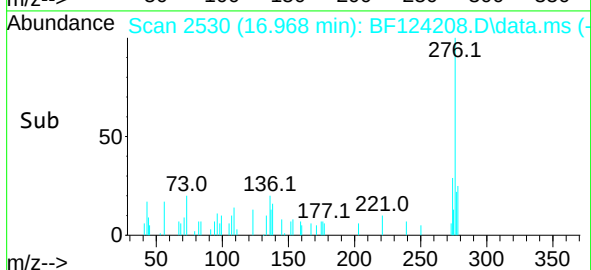
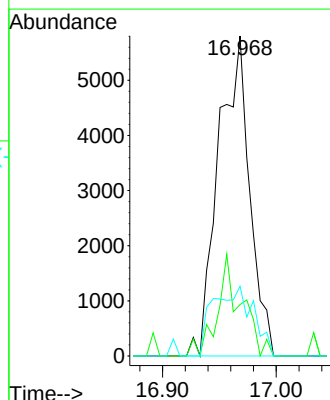
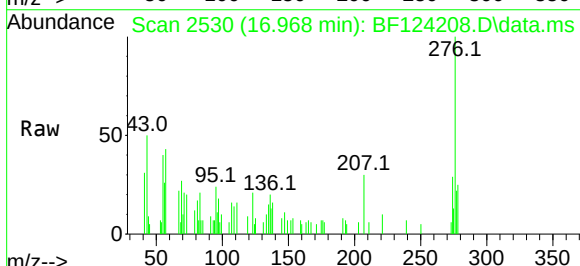
Tgt Ion:276 Resp: 11054

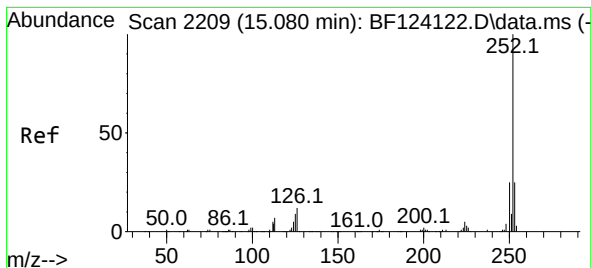
Ion Ratio Lower Upper

276 100

138 24.6 16.2 24.2#

277 27.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 3.614 ng

RT: 15.056 min Scan# 2205

Delta R.T. -0.006 min

Lab File: BF124208.D

Acq: 9 Jun 2021 14:40

Tgt Ion:252 Resp: 24075

Ion Ratio Lower Upper

252 100

253 26.8 18.1 27.1

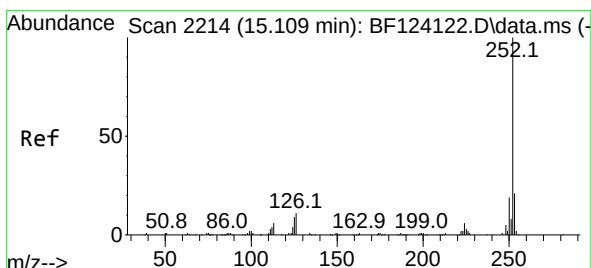
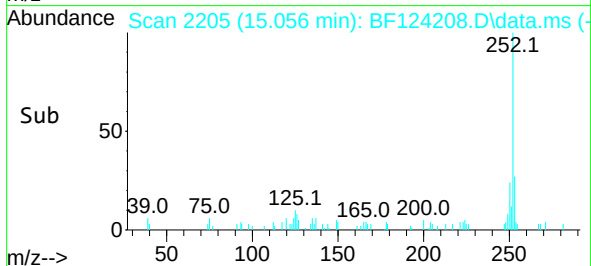
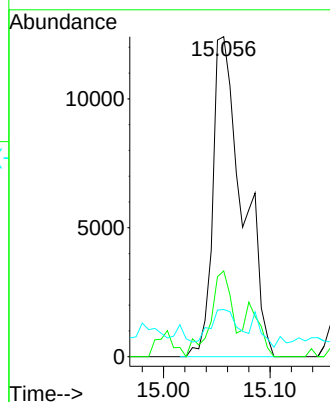
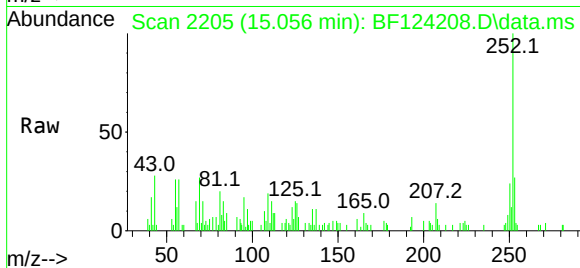
125 14.8 6.2 9.4#

Instrument :

BNA_F

ClientSampleId :

OK-02-060721



#89

Benzo(k)fluoranthene

Concen: 3.818 ng

RT: 15.056 min Scan# 2205

Delta R.T. -0.035 min

Lab File: BF124208.D

Acq: 9 Jun 2021 14:40

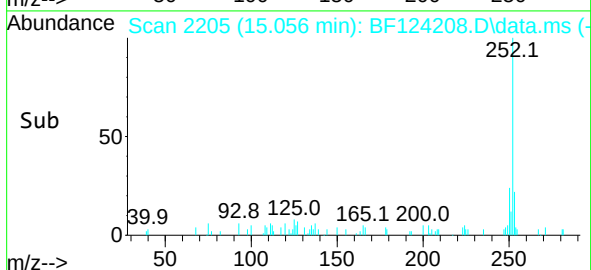
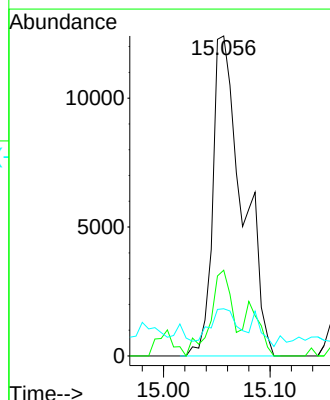
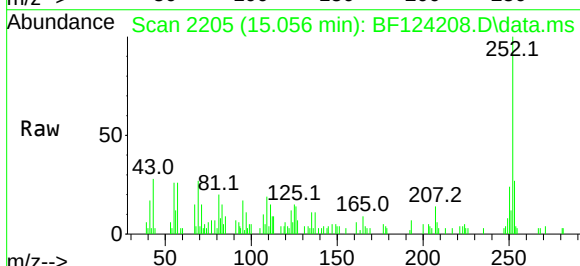
Tgt Ion:252 Resp: 24075

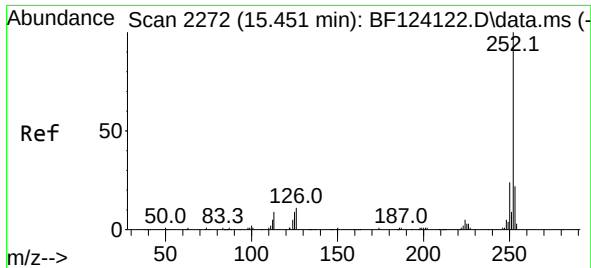
Ion Ratio Lower Upper

252 100

253 26.8 17.9 26.9

125 14.8 7.0 10.6#

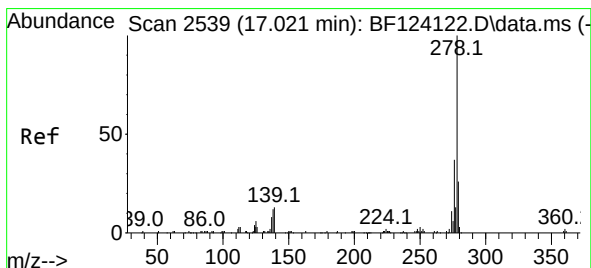
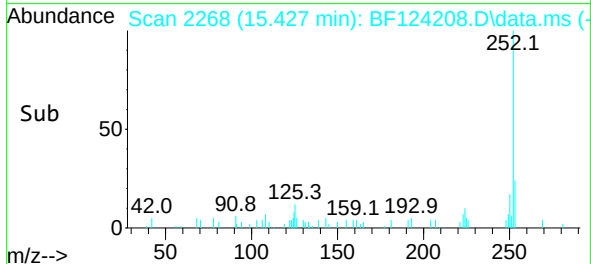
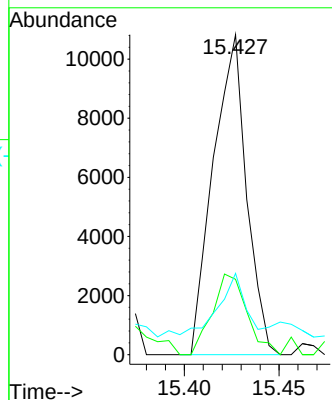
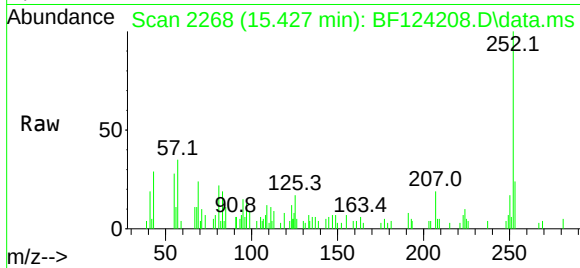




#90
Benzo(a)pyrene
Concen: 2.286 ng
RT: 15.427 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

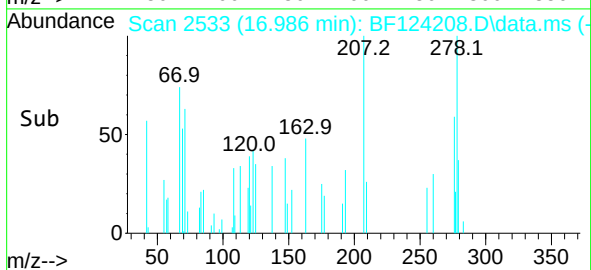
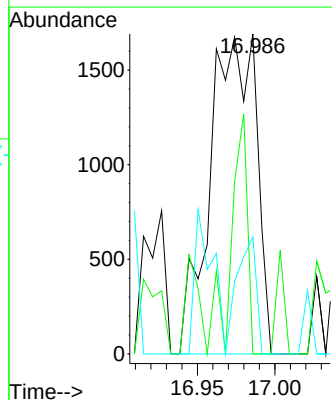
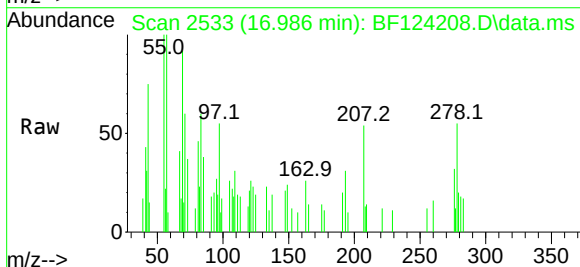
Instrument :
BNA_F
ClientSampleId :
OK-02-060721

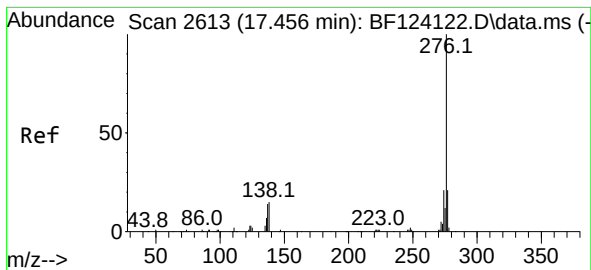
Tgt Ion:252 Resp: 13228
Ion Ratio Lower Upper
252 100
253 23.6 18.4 27.6
125 25.4 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 4.698 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.006 min
Lab File: BF124208.D
Acq: 9 Jun 2021 14:40

Tgt Ion:278 Resp: 3492
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 36.6 19.4 29.0#





#92

Benzo(g,h,i)perylene

Concen: 5.303 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.035 min

Lab File: BF124208.D

Acq: 9 Jun 2021 14:40

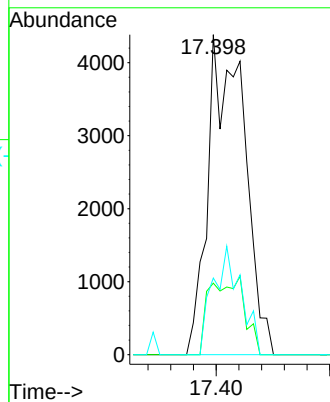
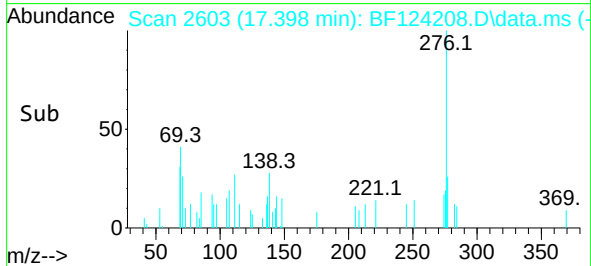
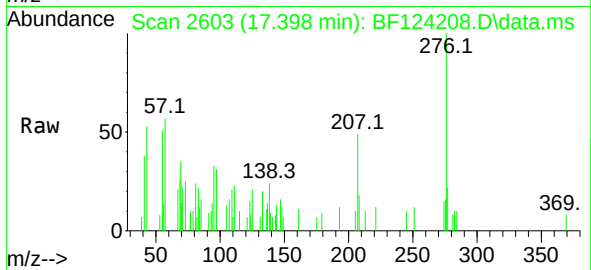
Tgt Ion: 276 Resp: 9763

Ion Ratio Lower Upper

276 100

277 22.3 18.2 27.2

138 24.0 13.8 20.6#



Instrument :

BNA_F

ClientSampleId :

OK-02-060721