

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111121\
 Data File : BF126142.D
 Acq On : 12 Nov 2021 00:07
 Operator : JU/CG
 Sample : M4576-05DL 20X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-3DL

Quant Time: Nov 12 09:45:11 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

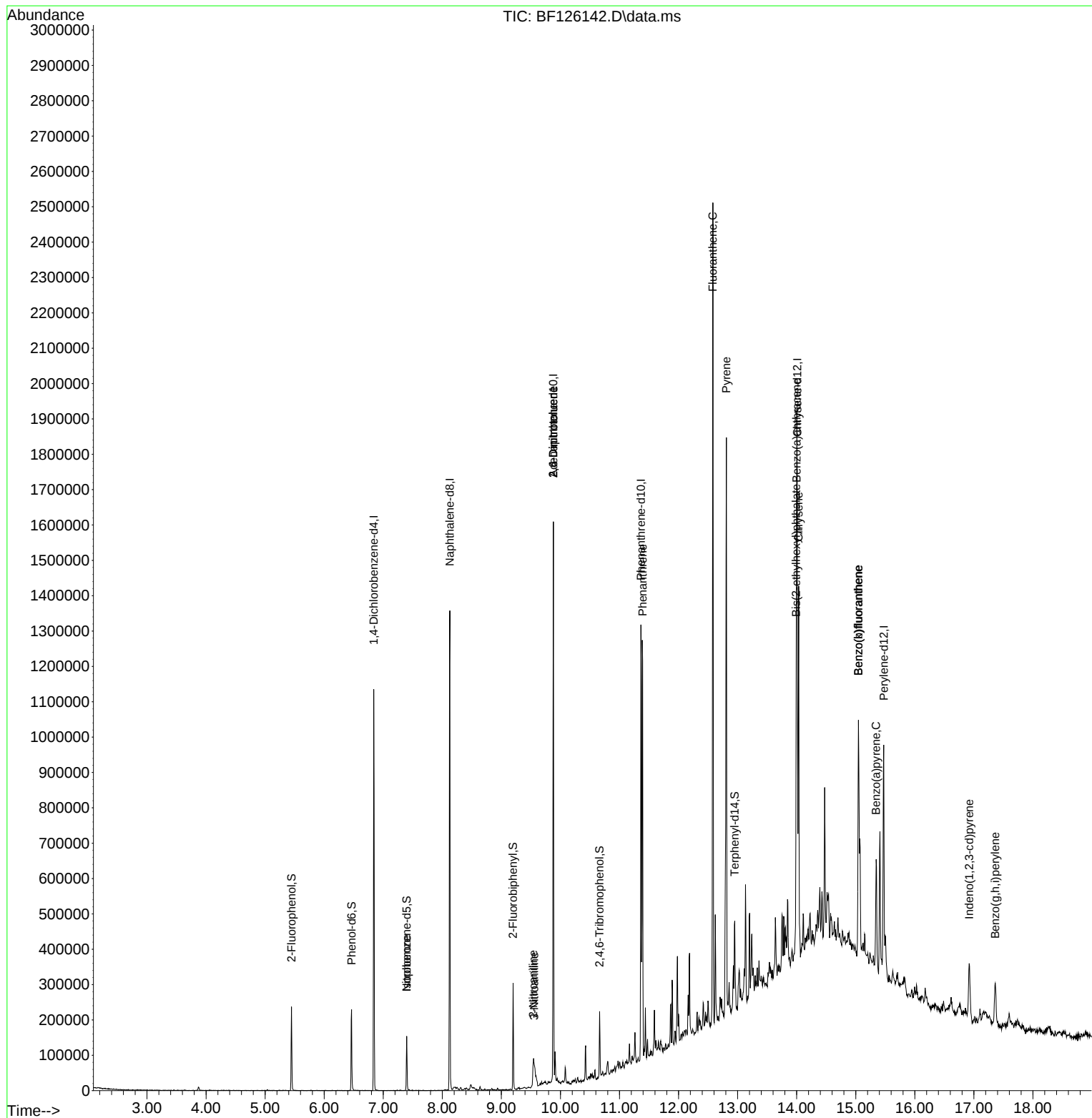
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	148692	20.000	ng	-0.02
21) Naphthalene-d8	8.127	136	535447	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	274016	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	433434	20.000	ng	-0.01
76) Chrysene-d12	14.009	240	414456	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	282009	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	48916	5.649	ng	-0.02
7) Phenol-d6	6.463	99	60790	4.980	ng	-0.02
23) Nitrobenzene-d5	7.398	82	41630	3.667	ng	-0.02
42) 2,4,6-Tribromophenol	10.663	330	14643	4.663	ng	-0.02
45) 2-Fluorobiphenyl	9.198	172	77962	3.845	ng	-0.02
79) Terphenyl-d14	12.951	244	75534	2.939	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.398	82	41428	2.027	ng	# 59
48) 2-Nitroaniline	9.539	65	564	2.947	ng	# 1
51) 2,6-Dinitrotoluene	9.880	165	35884	10.494	ng	# 28
53) 3-Nitroaniline	9.557	138	47239	13.476	ng	# 9
57) 2,4-Dinitrotoluene	9.880	165	35884	9.970	ng	# 20
71) Phenanthrene	11.392	178	433724	18.452	ng	98
75) Fluoranthene	12.580	202	852328	32.563	ng	96
78) Pyrene	12.810	202	666519	20.053	ng	98
81) Benzo(a)anthracene	13.998	228	301796	10.600	ng	99
83) Chrysene	14.033	228	394170	14.878	ng	97
84) Bis(2-ethylhexyl)phtha...	13.992	149	47005	2.801	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.921	276	112608	6.746	ng	# 82
88) Benzo(b)fluoranthene	15.045	252	479924	26.163	ng	# 94
89) Benzo(k)fluoranthene	15.045	252	479924	26.971	ng	99
90) Benzo(a)pyrene	15.345	252	147522	10.208	ng	98
92) Benzo(g,h,i)perylene	17.362	276	94482	7.186	ng	# 82

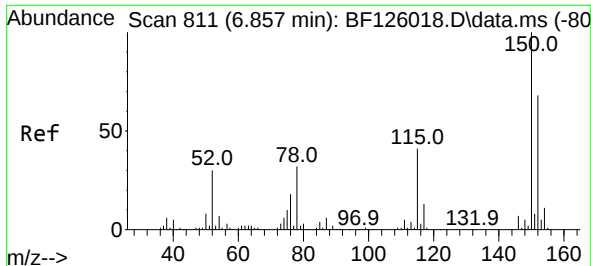
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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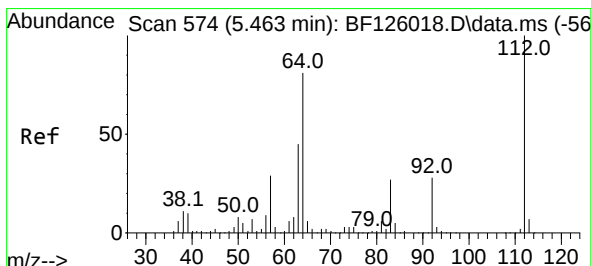
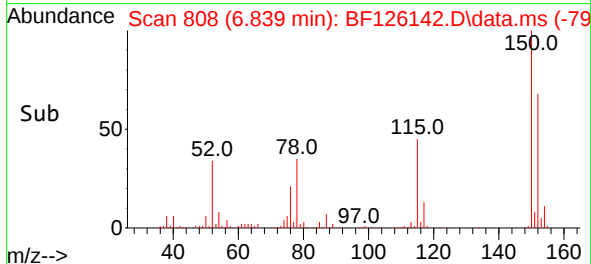
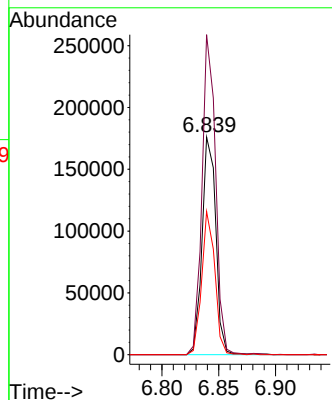
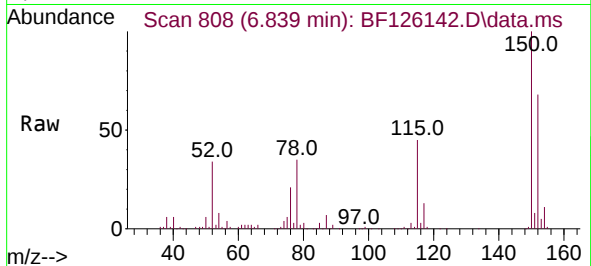




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

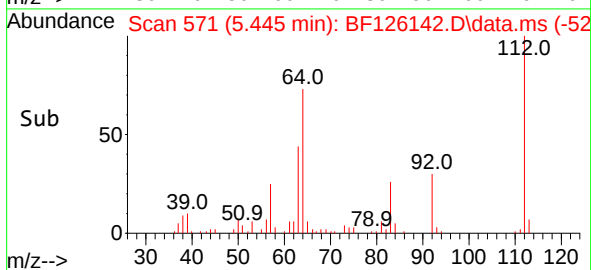
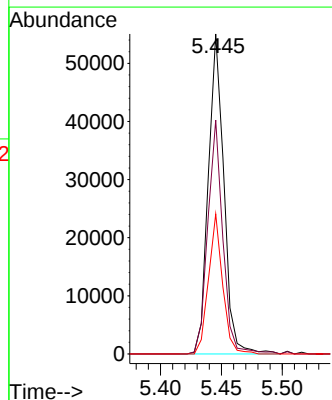
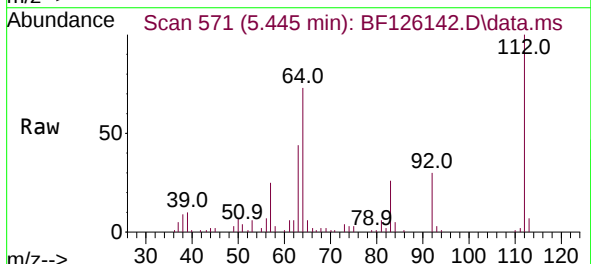
Instrument :
BNA_F
ClientSampleId :
DW-3DL

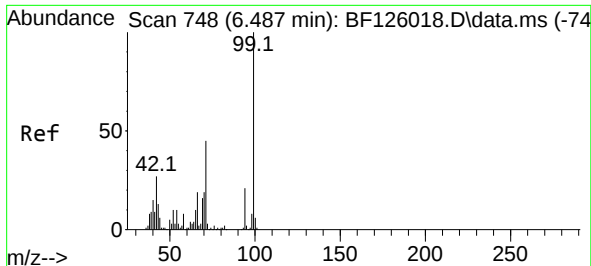
Tgt Ion:152 Resp: 148692
Ion Ratio Lower Upper
152 100
150 147.0 117.6 176.4
115 65.8 47.1 70.7



#5
2-Fluorophenol
Concen: 5.649 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.018 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

Tgt Ion:112 Resp: 48916
Ion Ratio Lower Upper
112 100
64 73.1 44.2 66.2#
63 43.8 26.2 39.2#

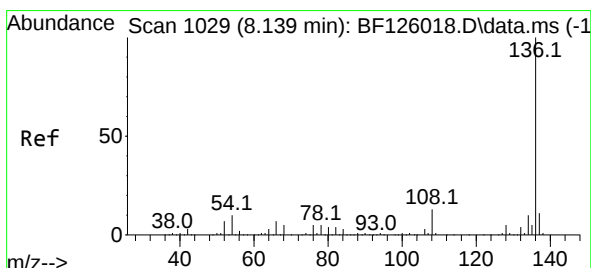
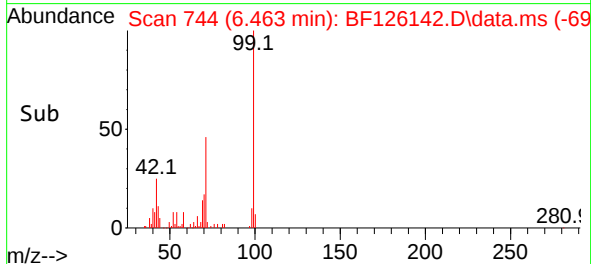
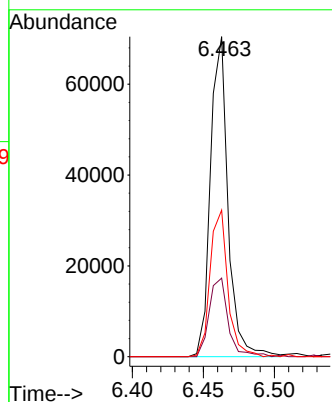
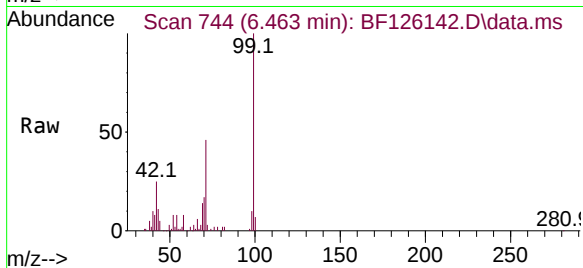




#7
Phenol-d6
Concen: 4.980 ng
RT: 6.463 min Scan# 748
Delta R.T. -0.024 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

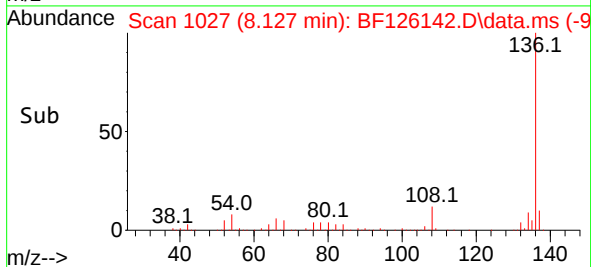
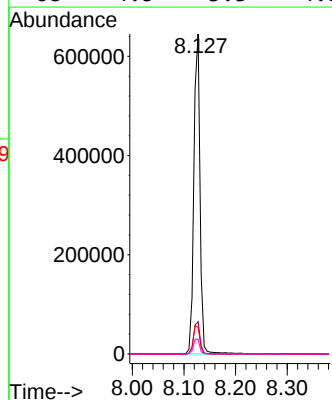
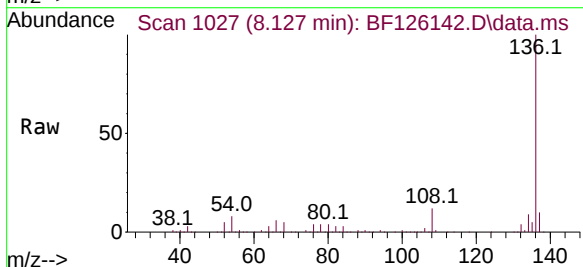
Instrument :
BNA_F
ClientSampleId :
DW-3DL

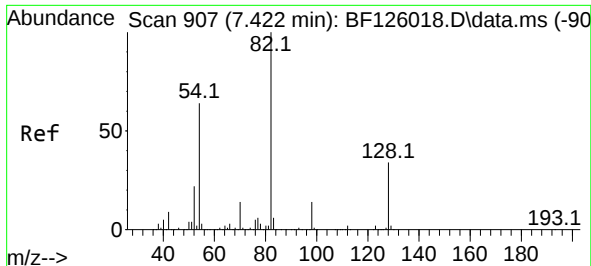
Tgt Ion: 99 Resp: 60790
Ion Ratio Lower Upper
99 100
42 24.6 23.5 35.3
71 45.8 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.127 min Scan# 1027
Delta R.T. -0.012 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

Tgt Ion: 136 Resp: 535447
Ion Ratio Lower Upper
136 100
137 10.1 9.8 14.6
54 8.3 6.4 9.6
68 4.5 3.3 4.9





#23

Nitrobenzene-d5

Concen: 3.667 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.024 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

Instrument :

BNA_F

ClientSampleId :

DW-3DL

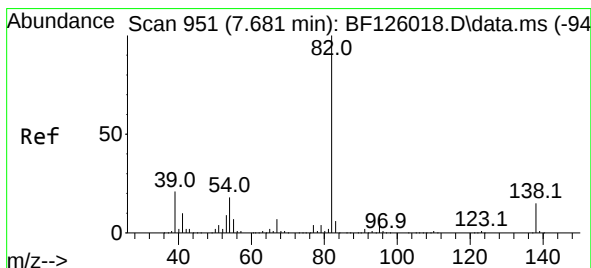
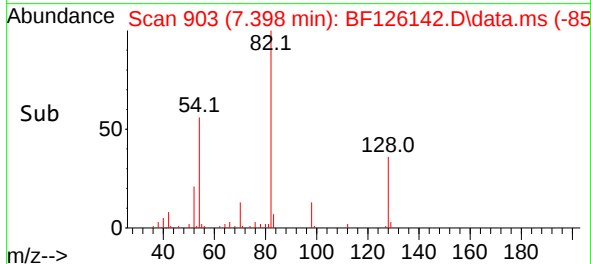
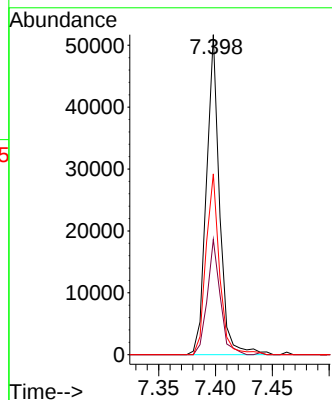
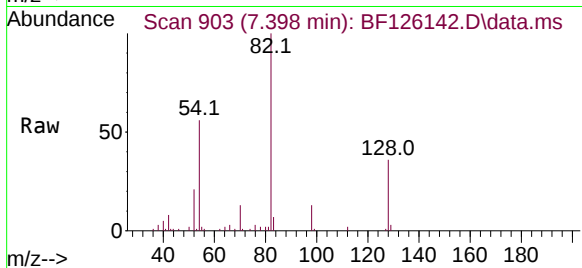
Tgt Ion: 82 Resp: 41630

Ion Ratio Lower Upper

82 100

128 36.0 40.6 60.8#

54 56.5 49.6 74.4



#25

Isophorone

Concen: 2.027 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.283 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

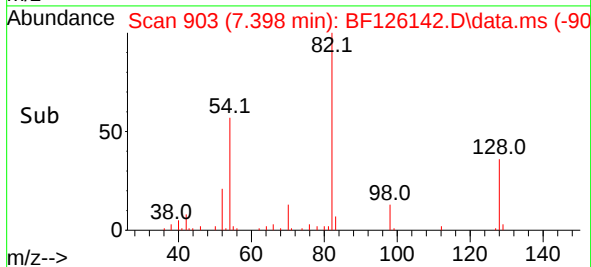
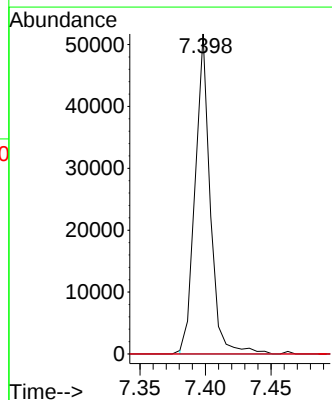
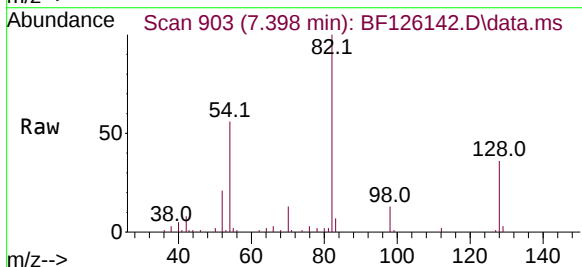
Tgt Ion: 82 Resp: 41428

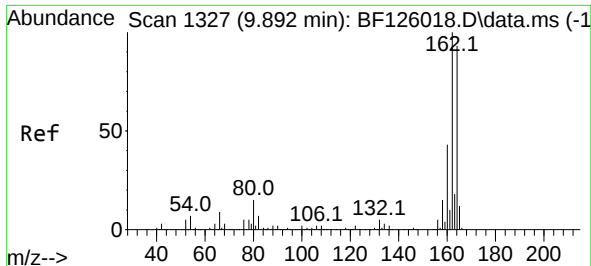
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

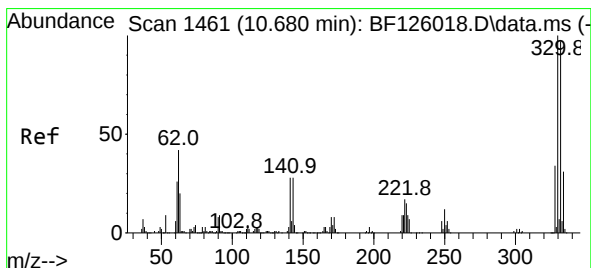
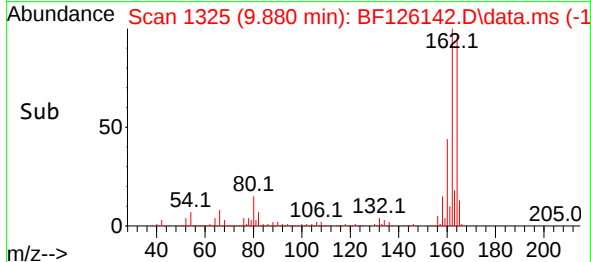
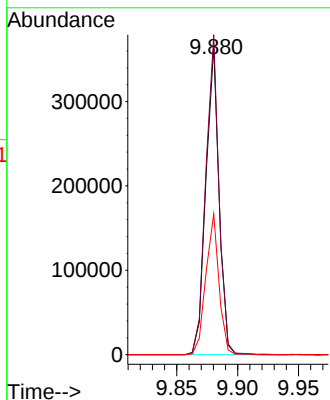
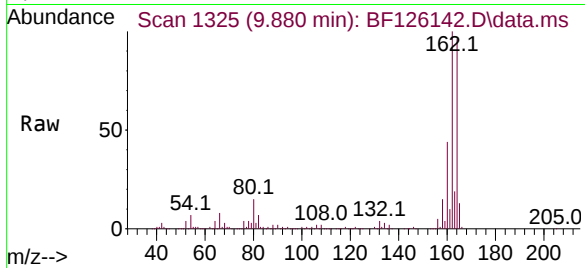




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

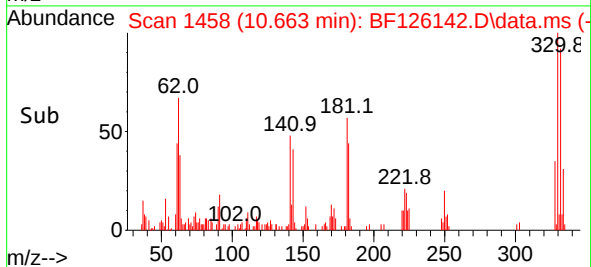
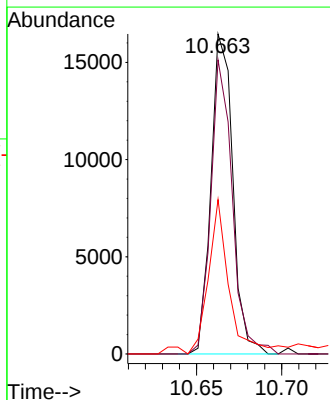
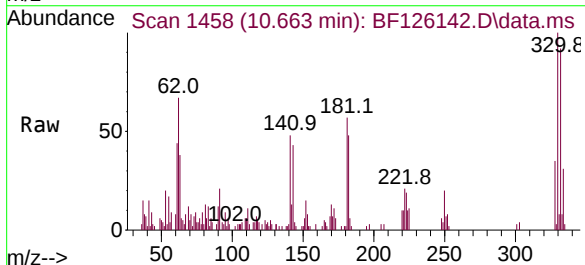
Instrument :
BNA_F
ClientSampleId :
DW-3DL

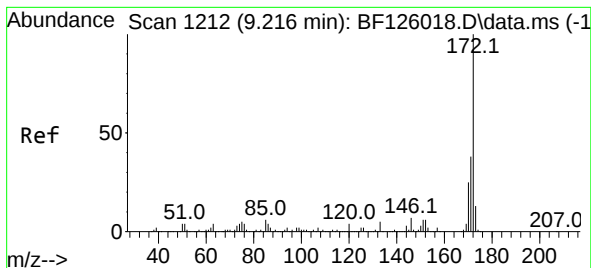
Tgt Ion:164 Resp: 274016
Ion Ratio Lower Upper
164 100
162 103.8 81.3 121.9
160 45.6 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 4.663 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.018 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

Tgt Ion:330 Resp: 14643
Ion Ratio Lower Upper
330 100
332 90.9 76.2 114.4
141 46.4 44.6 66.8





#45

2-Fluorobiphenyl

Concen: 3.845 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

Instrument :

BNA_F

ClientSampleId :

DW-3DL

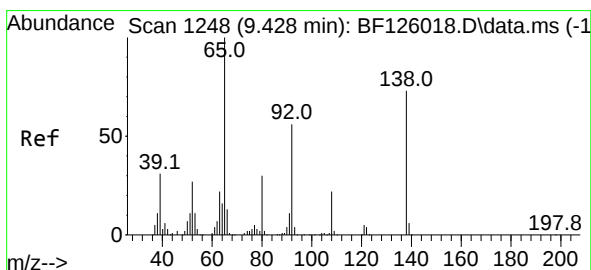
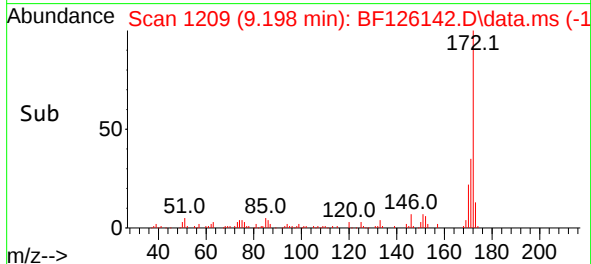
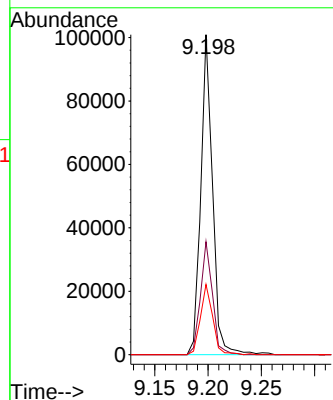
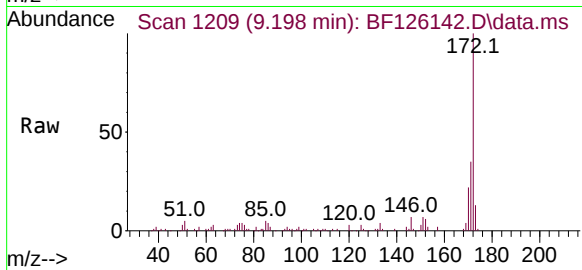
Tgt Ion:172 Resp: 77962

Ion Ratio Lower Upper

172 100

171 35.3 26.5 39.7

170 22.0 18.8 28.2



#48

2-Nitroaniline

Concen: 2.947 ng

RT: 9.539 min Scan# 1267

Delta R.T. 0.111 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

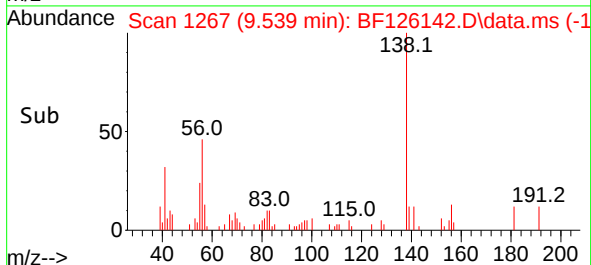
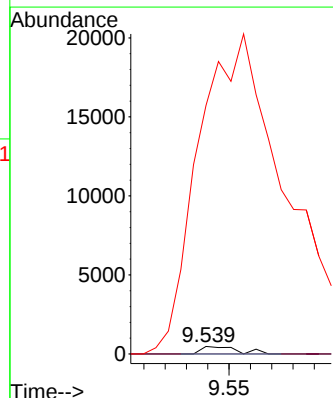
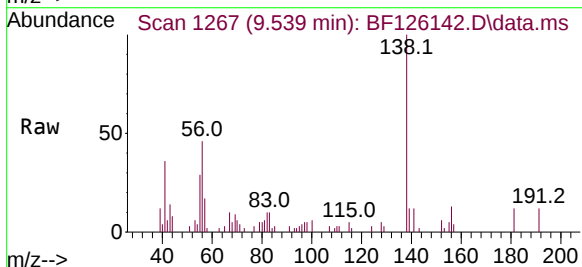
Tgt Ion: 65 Resp: 564

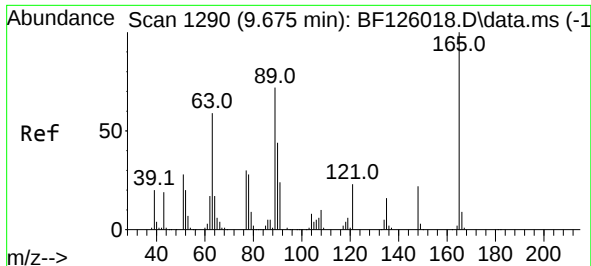
Ion Ratio Lower Upper

65 100

92 0.0 55.5 83.3#

138 3324.9 93.5 140.3#

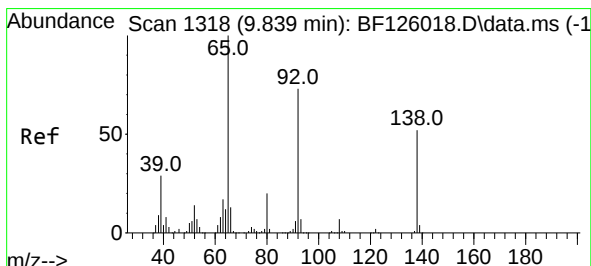
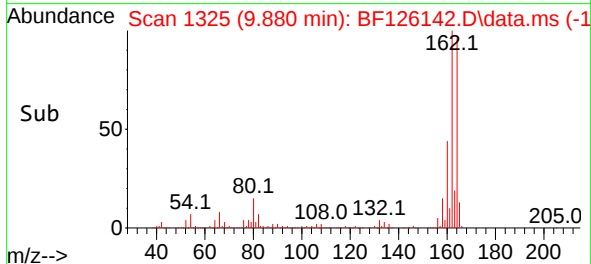
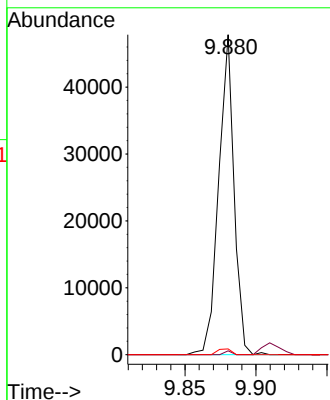
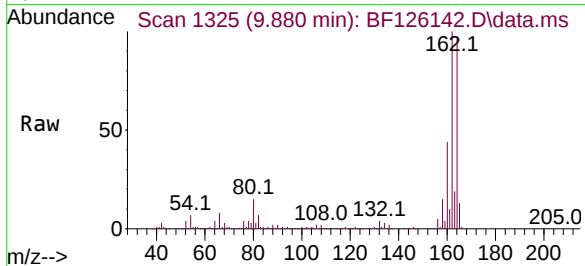




#51
2,6-Dinitrotoluene
Concen: 10.494 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.205 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

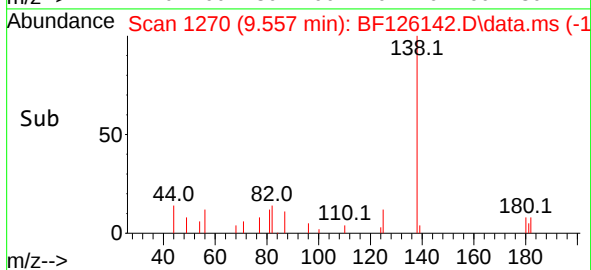
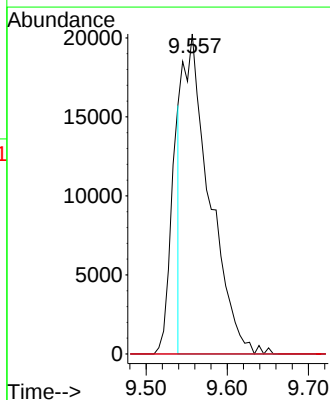
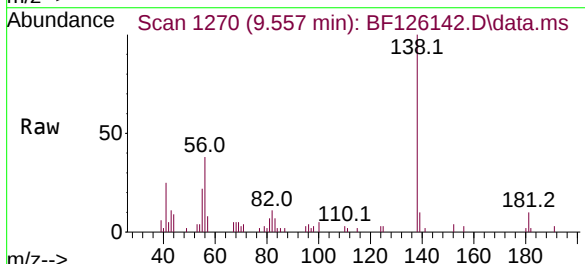
Instrument :
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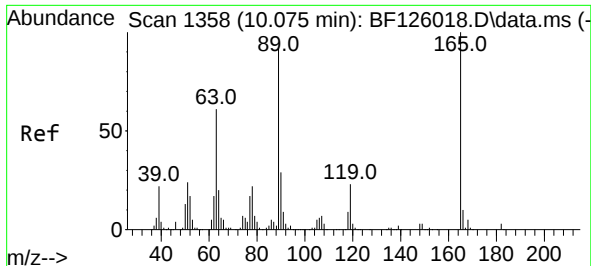
Tgt Ion:165 Resp: 35884
Ion Ratio Lower Upper
165 100
63 1.2 42.6 63.8#
89 1.8 40.6 60.8#



#53
3-Nitroaniline
Concen: 13.476 ng
RT: 9.557 min Scan# 1270
Delta R.T. -0.282 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

Tgt Ion:138 Resp: 47239
Ion Ratio Lower Upper
138 100
108 0.0 9.3 13.9#
92 0.0 76.5 114.7#

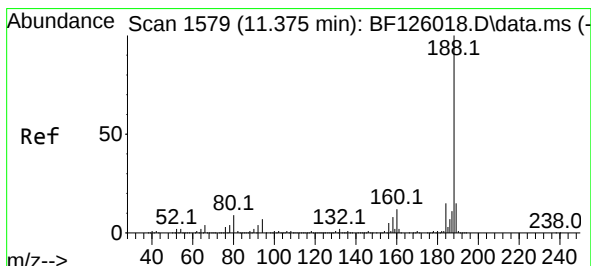
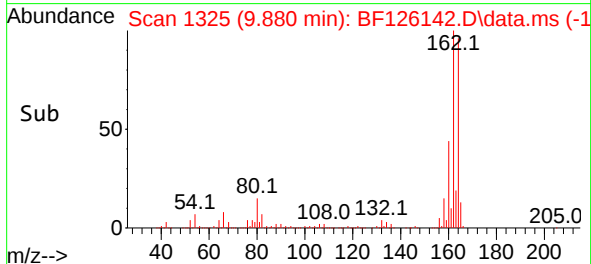
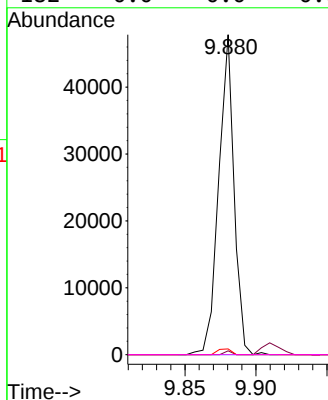
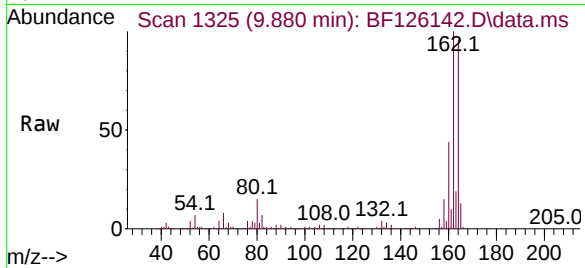




#57
2,4-Dinitrotoluene
Concen: 9.970 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.195 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

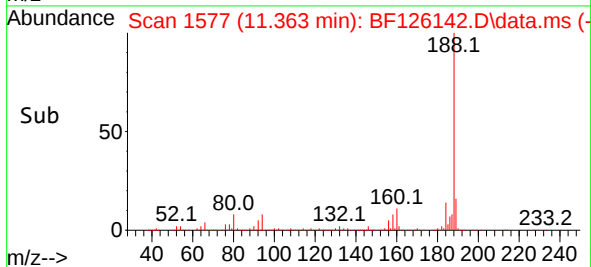
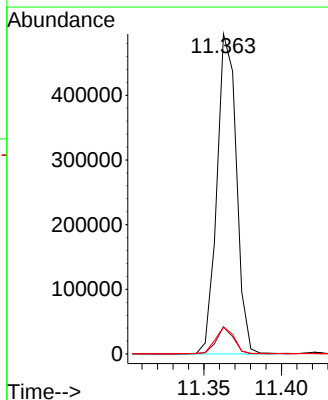
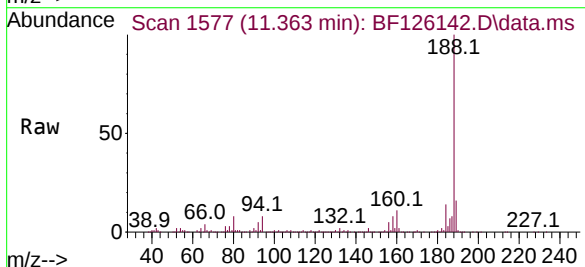
Instrument :
BNA_F
ClientSampleId :
DW-3DL

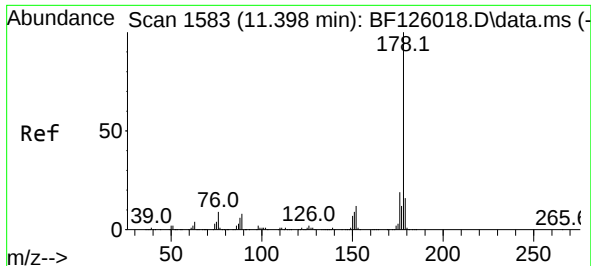
Tgt Ion:165 Resp: 35884
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 1.8 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

Tgt Ion:188 Resp: 433434
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 8.4 7.5 11.3

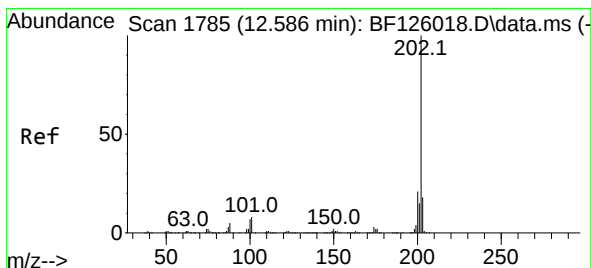
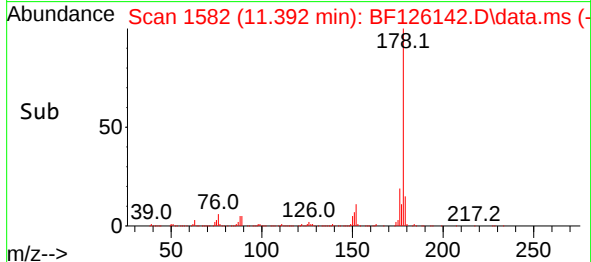
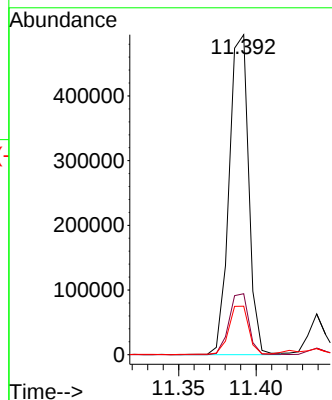
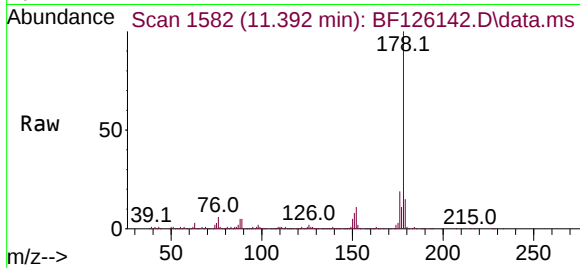




#71
Phenanthrene
Concen: 18.452 ng
RT: 11.392 min Scan# 11392
Delta R.T. -0.006 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

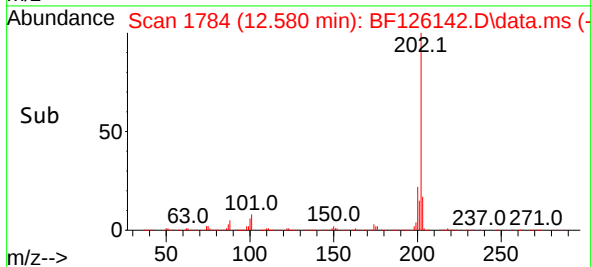
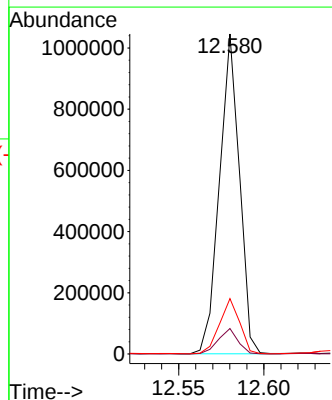
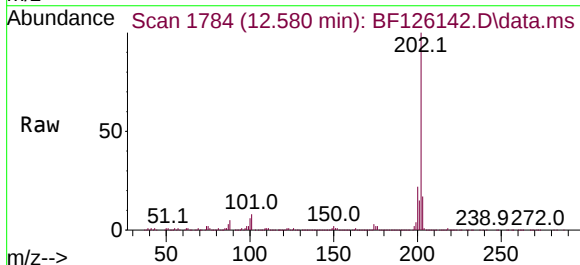
Instrument :
BNA_F
ClientSampleId :
DW-3DL

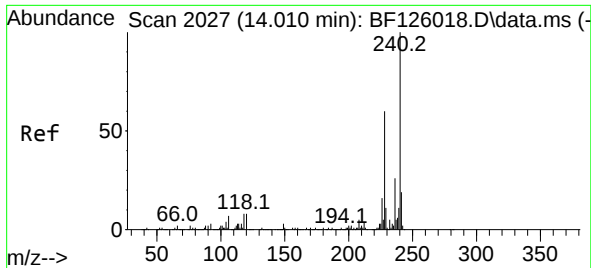
Tgt Ion:178 Resp: 433724
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.2 11.5 17.3



#75
Fluoranthene
Concen: 32.563 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

Tgt Ion:202 Resp: 852328
Ion Ratio Lower Upper
202 100
101 8.0 0.0 30.7
203 17.3 0.0 36.3

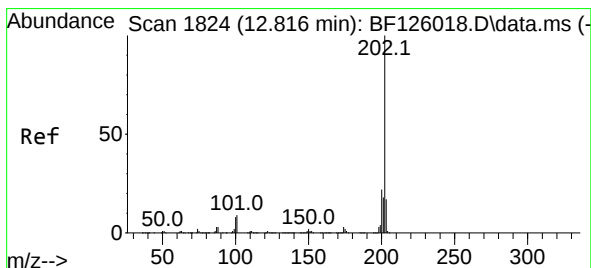
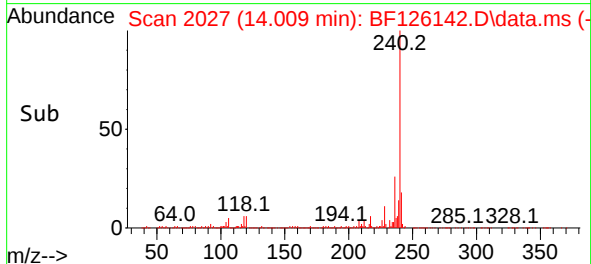
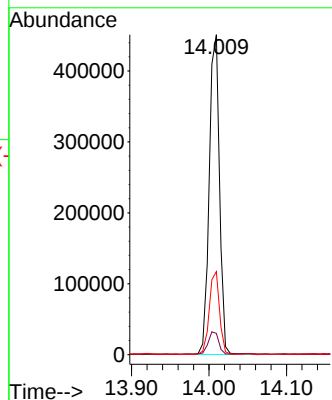
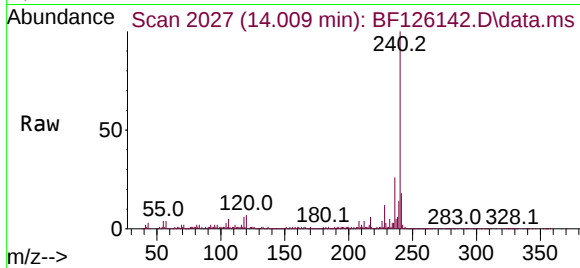




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.009 min Scan# 2027
Delta R.T. -0.001 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

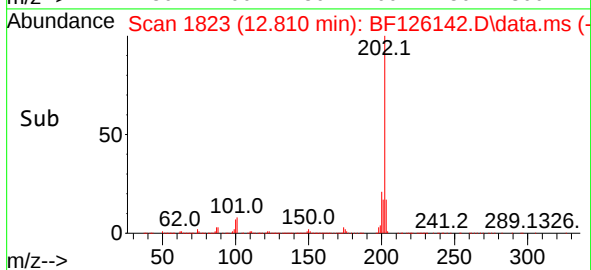
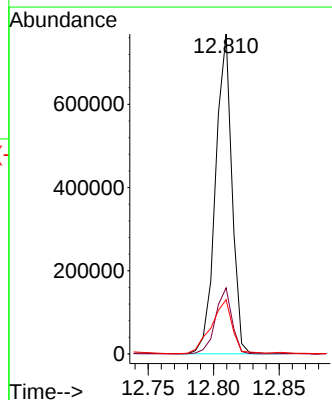
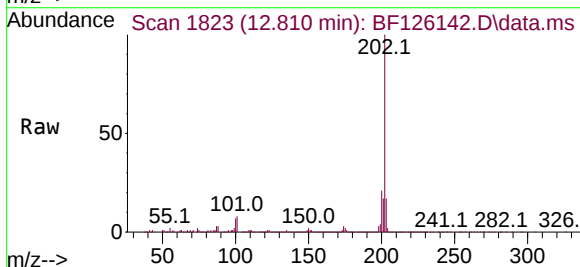
Instrument :
BNA_F
ClientSampleId :
DW-3DL

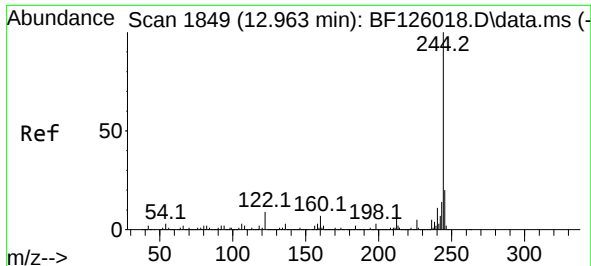
Tgt Ion:240 Resp: 414456
Ion Ratio Lower Upper
240 100
120 6.6 10.8 16.2#
236 26.0 21.6 32.4



#78
Pyrene
Concen: 20.053 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF126142.D
Acq: 12 Nov 2021 00:07

Tgt Ion:202 Resp: 666519
Ion Ratio Lower Upper
202 100
200 20.6 15.3 22.9
203 16.9 13.4 20.0

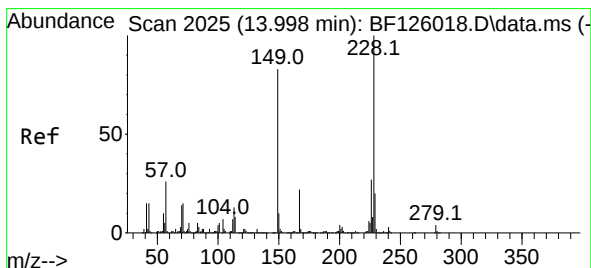
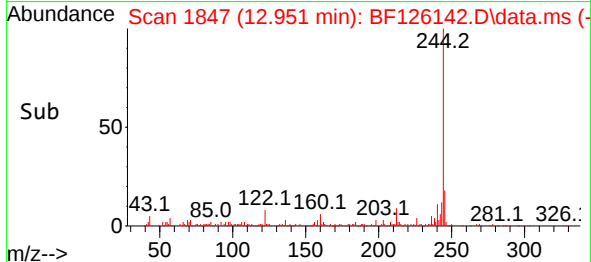
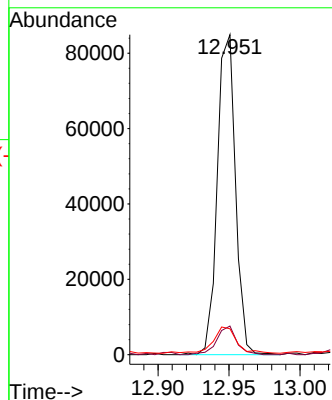
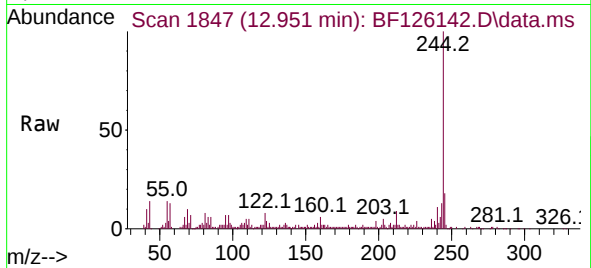




#79
 Terphenyl-d14
 Concen: 2.939 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.012 min
 Lab File: BF126142.D
 Acq: 12 Nov 2021 00:07

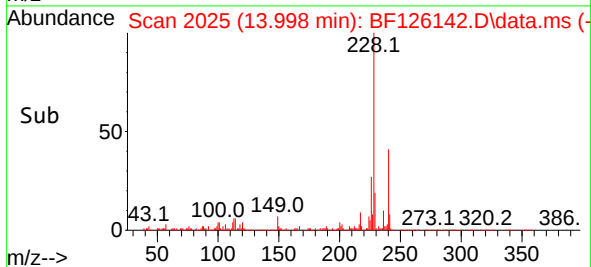
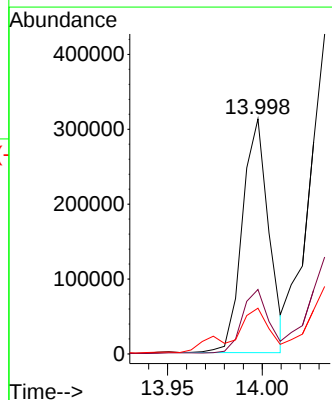
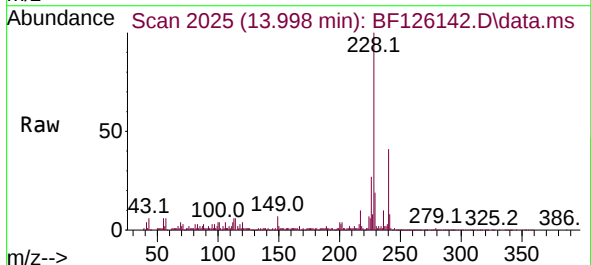
Instrument :
 BNA_F
 ClientSampleId :
 DW-3DL

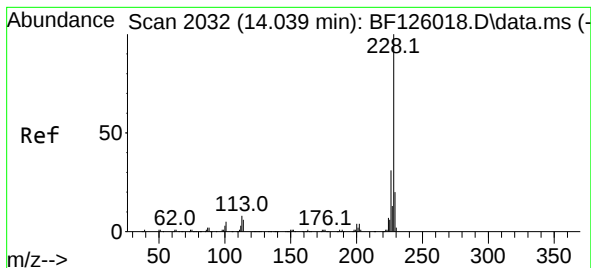
Tgt Ion:244 Resp: 75534
 Ion Ratio Lower Upper
 244 100
 212 9.0 5.9 8.9#
 122 8.1 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 10.600 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: BF126142.D
 Acq: 12 Nov 2021 00:07

Tgt Ion:228 Resp: 301796
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.6 32.4
 229 19.4 15.6 23.4





#83

Chrysene

Concen: 14.878 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

Instrument :

BNA_F

ClientSampleId :

DW-3DL

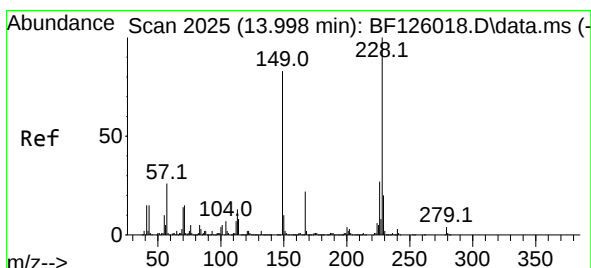
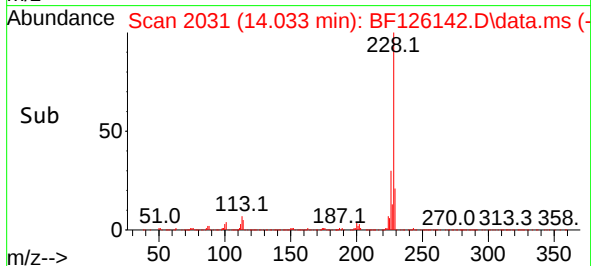
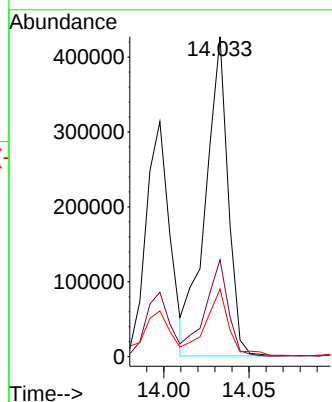
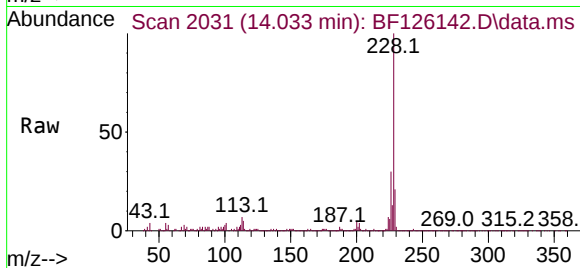
Tgt Ion:228 Resp: 394170

Ion Ratio Lower Upper

228 100

226 30.3 22.6 34.0

229 21.1 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.801 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

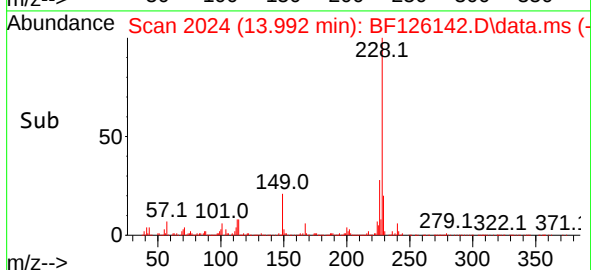
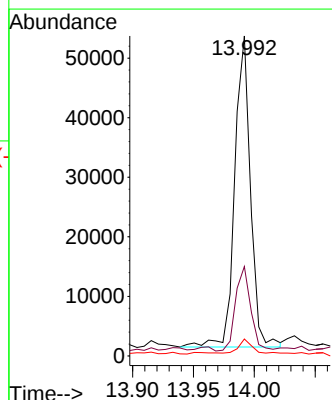
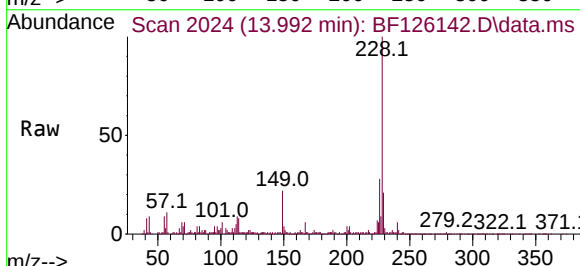
Tgt Ion:149 Resp: 47005

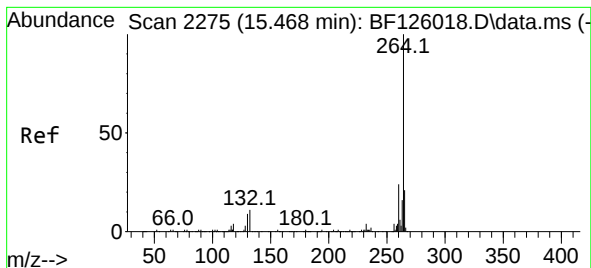
Ion Ratio Lower Upper

149 100

167 27.9 21.4 32.0

279 5.3 2.6 4.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

Instrument :

BNA_F

ClientSampleId :

DW-3DL

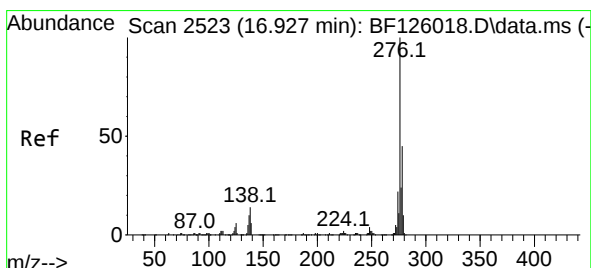
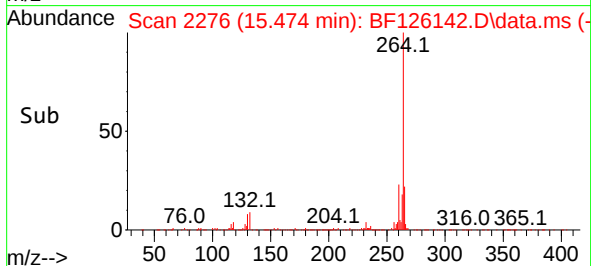
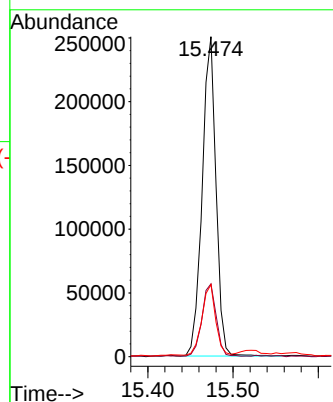
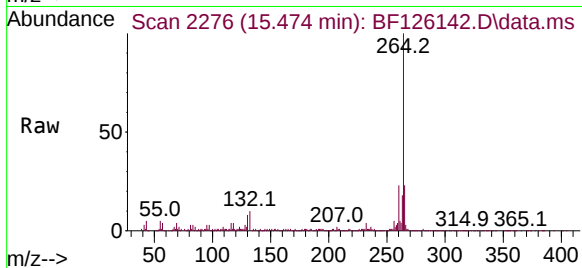
Tgt Ion:264 Resp: 282009

Ion Ratio Lower Upper

264 100

260 22.8 19.6 29.4

265 22.5 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.746 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.006 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

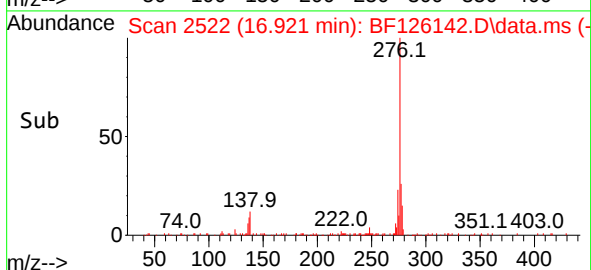
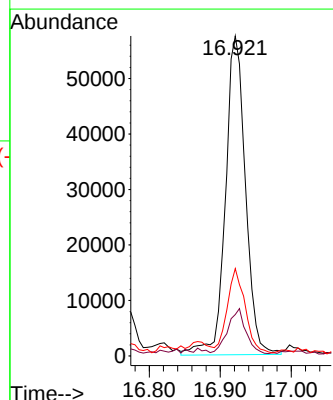
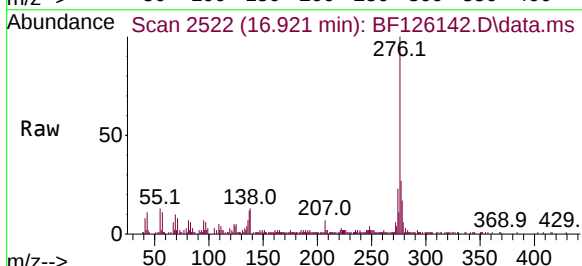
Tgt Ion:276 Resp: 112608

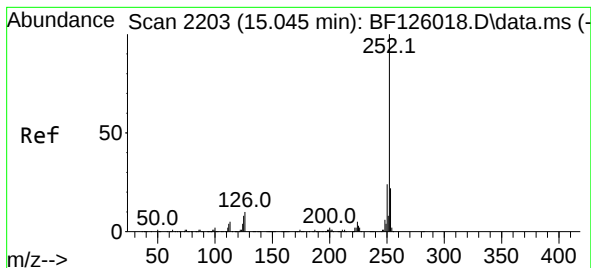
Ion Ratio Lower Upper

276 100

138 12.5 24.1 36.1#

277 23.6 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 26.163 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

Instrument :

BNA_F

ClientSampleId :

DW-3DL

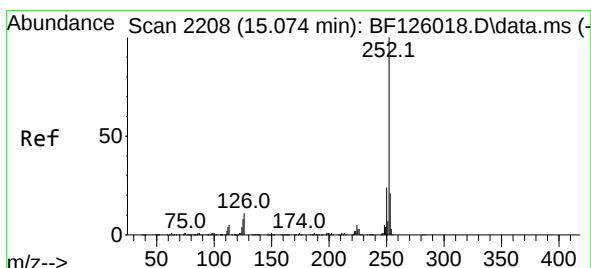
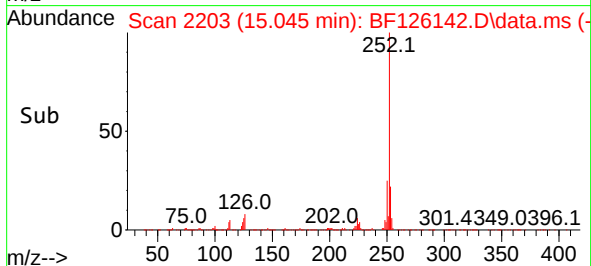
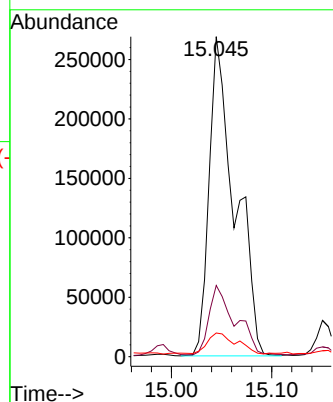
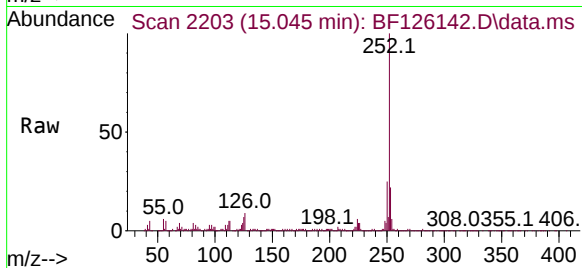
Tgt Ion:252 Resp: 479924

Ion Ratio Lower Upper

252 100

253 22.2 16.8 25.2

125 7.4 9.8 14.8#



#89

Benzo(k)fluoranthene

Concen: 26.971 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.030 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

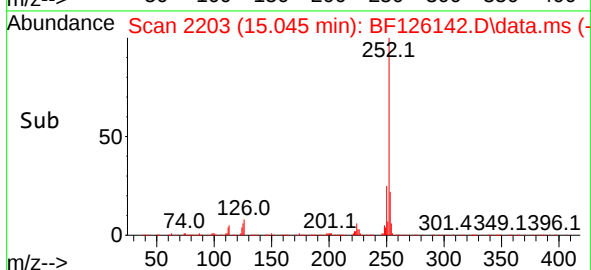
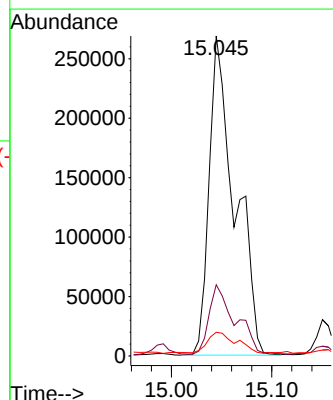
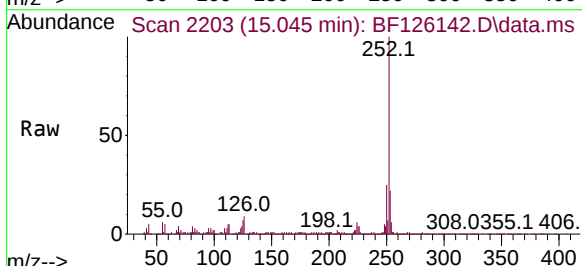
Tgt Ion:252 Resp: 479924

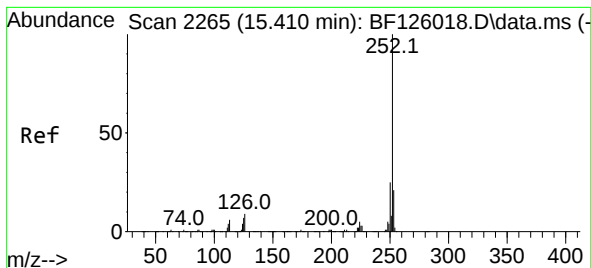
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 7.4 7.2 10.8





#90

Benzo(a)pyrene

Concen: 10.208 ng

RT: 15.345 min Scan# 21

Delta R.T. -0.065 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

Instrument :

BNA_F

ClientSampleId :

DW-3DL

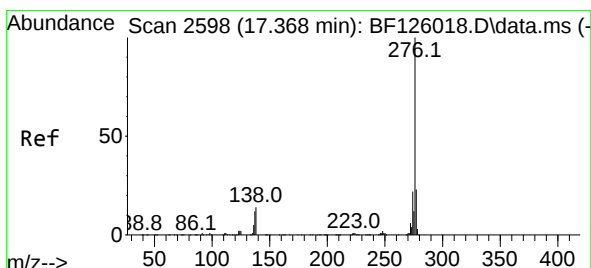
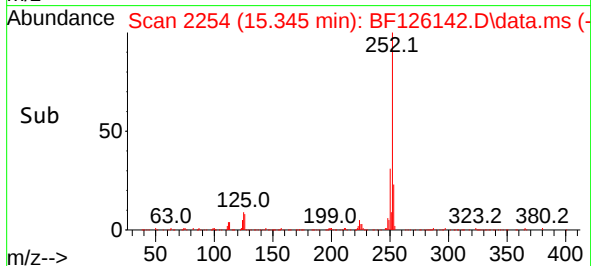
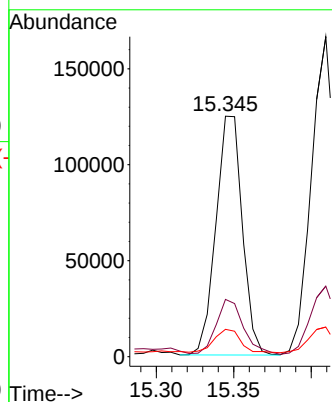
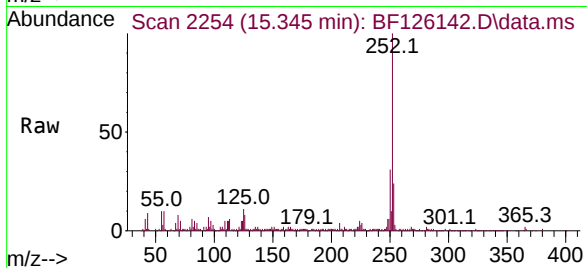
Tgt Ion:252 Resp: 147522

Ion Ratio Lower Upper

252 100

253 23.8 18.4 27.6

125 11.4 9.9 14.9



#92

Benzo(g,h,i)perylene

Concen: 7.186 ng

RT: 17.362 min Scan# 2597

Delta R.T. -0.006 min

Lab File: BF126142.D

Acq: 12 Nov 2021 00:07

Tgt Ion:276 Resp: 94482

Ion Ratio Lower Upper

276 100

277 23.4 22.0 33.0

138 13.0 22.2 33.4#

