

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126362.D
 Acq On : 27 Dec 2021 18:35
 Operator : JU/CG
 Sample : M5218-04DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21-G2DL

Quant Time: Dec 27 18:57:39 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

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

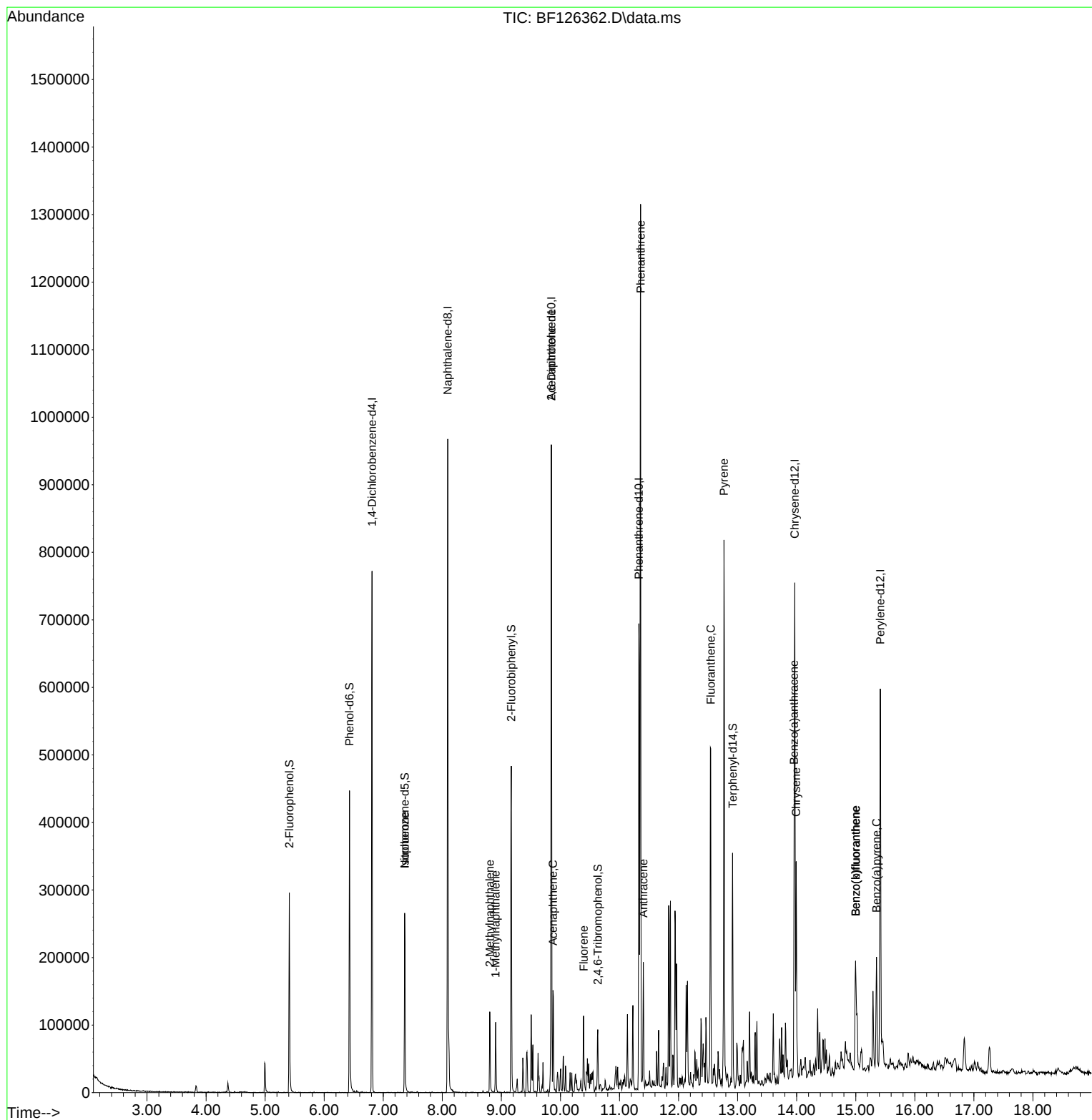
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	111828	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	440004	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	184371	20.000	ng	-0.01
64) Phenanthrene-d10	11.327	188	251643	20.000	ng	#-0.01
76) Chrysene-d12	13.968	240	195277	20.000	ng	-0.01
86) Perylene-d12	15.415	264	224477	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	85930	11.316	ng	-0.02
7) Phenol-d6	6.428	99	156094	16.189	ng	-0.02
23) Nitrobenzene-d5	7.363	82	90772	11.173	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	10366	6.996	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	153479	14.600	ng	-0.01
79) Terphenyl-d14	12.916	244	98684	8.784	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.363	82	90770	5.916	ng	# 59
37) 2-Methylnaphthalene	8.804	142	36097	2.849	ng	96
38) 1-Methylnaphthalene	8.904	142	29196	2.374	ng	93
51) 2,6-Dinitrotoluene	9.845	165	25059	9.913	ng	# 27
52) Acenaphthene	9.875	154	32125	3.161	ng	99
58) Fluorene	10.392	166	27572	2.752	ng	96
71) Phenanthrene	11.357	178	470030	36.189	ng	99
72) Anthracene	11.404	178	67115	5.148	ng	98
75) Fluoranthene	12.545	202	194998	16.664	ng	96
78) Pyrene	12.769	202	309269	17.239	ng	99
81) Benzo(a)anthracene	13.957	228	110958	9.592	ng	99
83) Chrysene	13.992	228	104738	8.715	ng	100
88) Benzo(b)fluoranthene	14.998	252	108138	8.017	ng	# 96
89) Benzo(k)fluoranthene	14.998	252	108138	8.381	ng	# 93
90) Benzo(a)pyrene	15.351	252	70143	6.257	ng	# 95

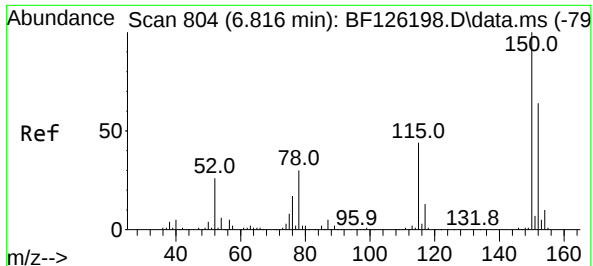
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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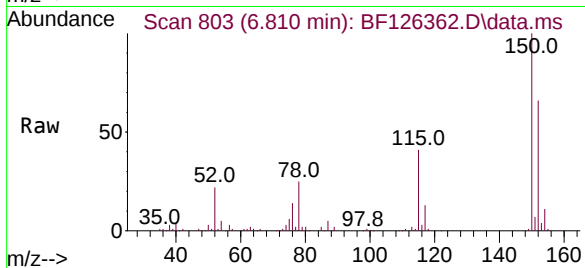
Quant Time: Dec 27 18:57:39 2021
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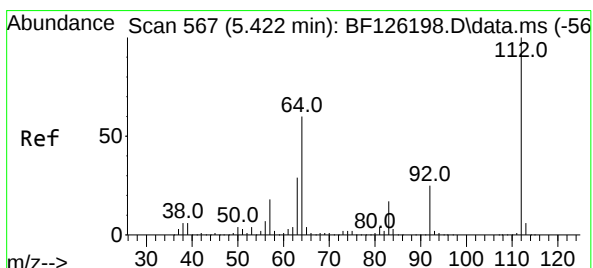
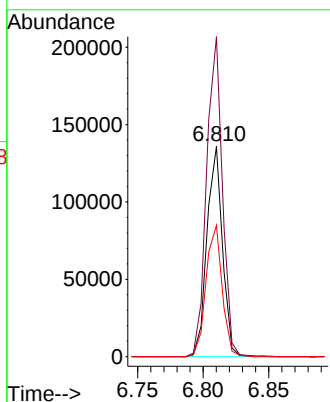
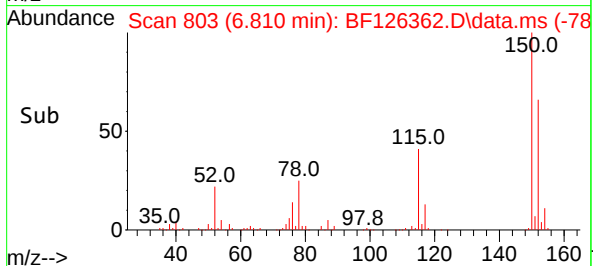


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

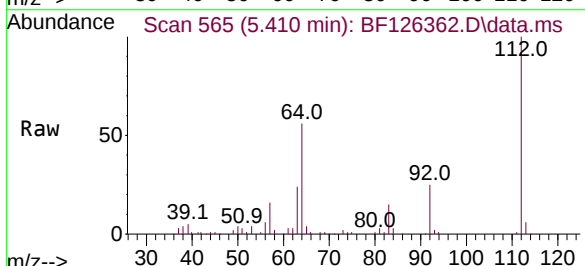
Instrument :
BNA_F
ClientSampleId :
SB-21-G2DL



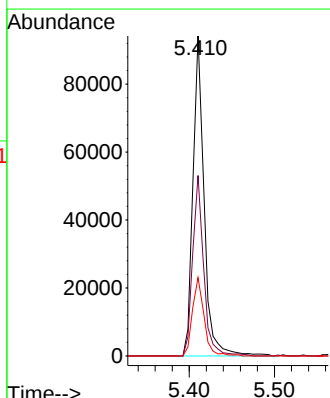
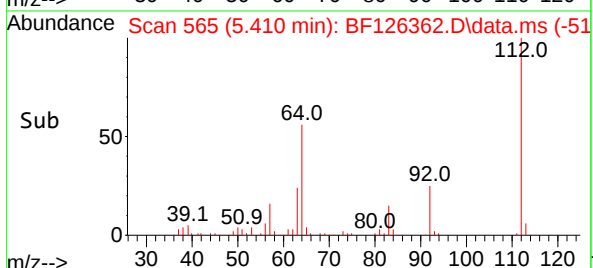
Tgt Ion:152 Resp: 111828
Ion Ratio Lower Upper
152 100
150 152.2 117.6 176.4
115 62.5 47.1 70.7

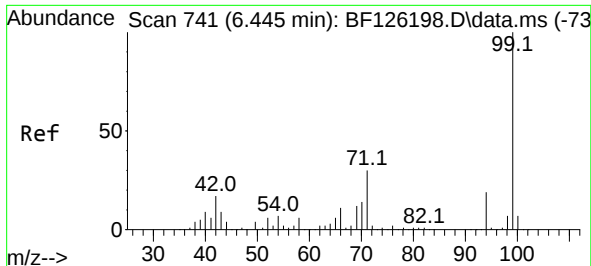


#5
2-Fluorophenol
Concen: 11.316 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.018 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35



Tgt Ion:112 Resp: 85930
Ion Ratio Lower Upper
112 100
64 56.4 44.2 66.2
63 24.5 26.2 39.2#

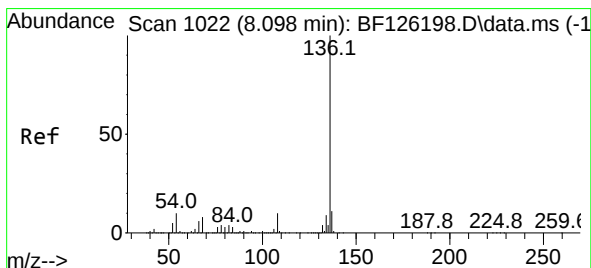
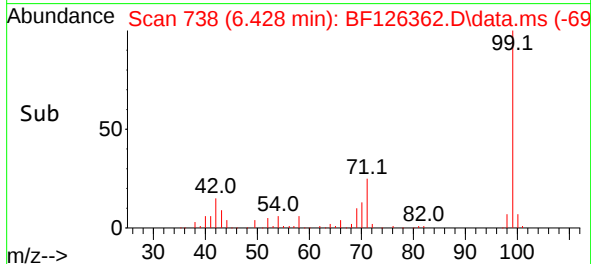
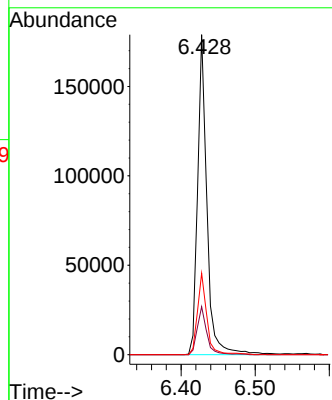
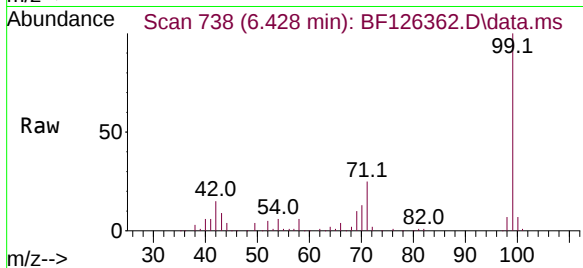




#7
Phenol-d6
Concen: 16.189 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

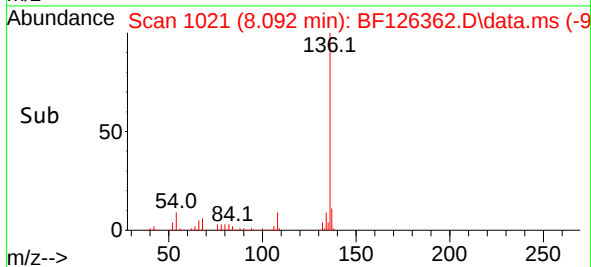
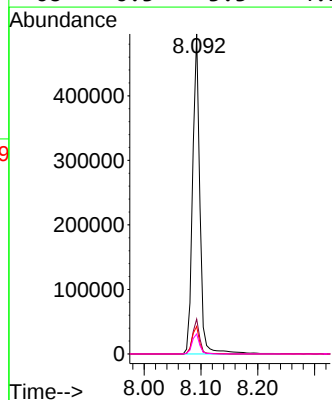
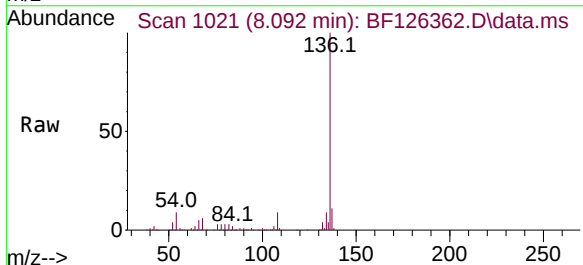
Instrument :
BNA_F
ClientSampleId :
SB-21-G2DL

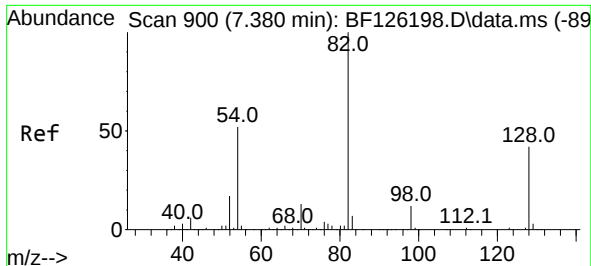
Tgt Ion: 99 Resp: 156094
Ion Ratio Lower Upper
99 100
42 15.0 23.5 35.3#
71 25.4 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Tgt Ion: 136 Resp: 440004
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 8.6 6.4 9.6
68 6.3 3.3 4.9#

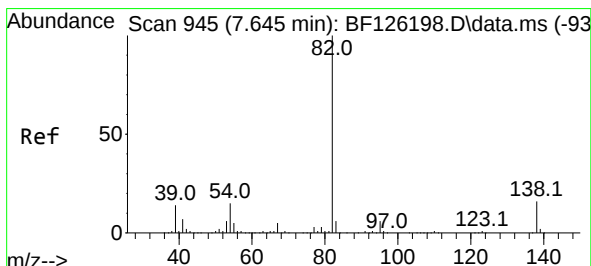
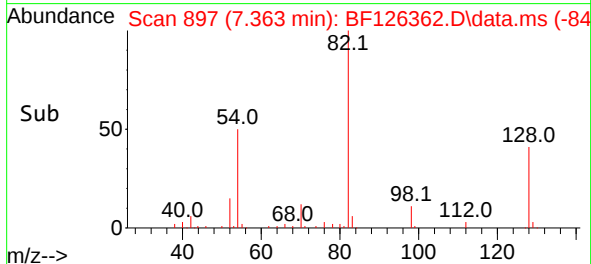
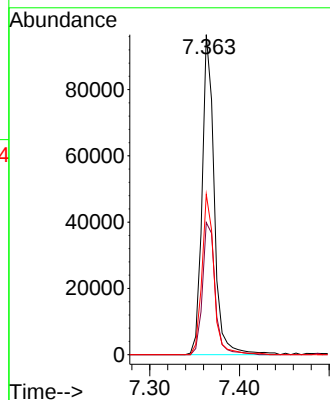
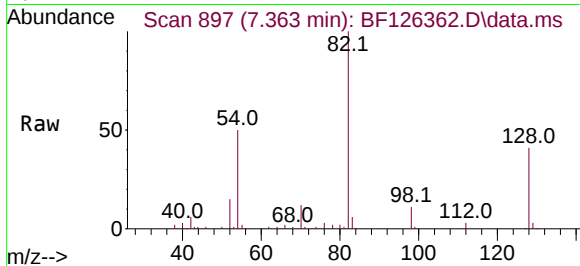




#23
Nitrobenzene-d5
Concen: 11.173 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.018 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

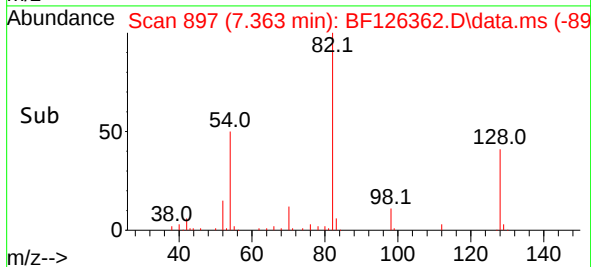
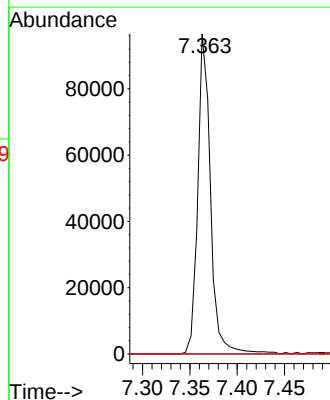
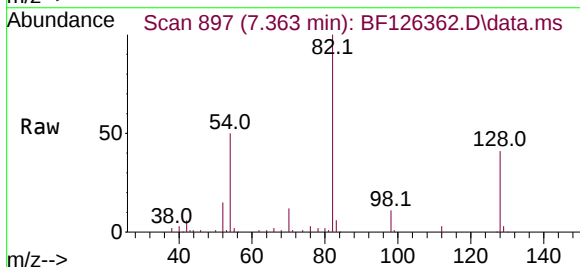
Instrument :
BNA_F
ClientSampleId :
SB-21-G2DL

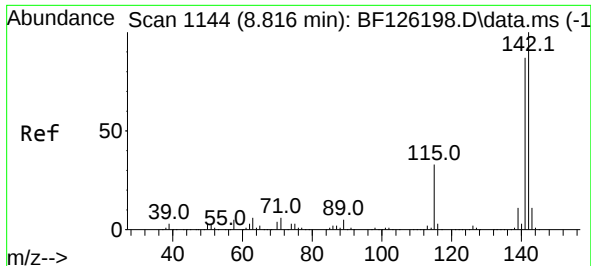
Tgt Ion: 82 Resp: 90772
Ion Ratio Lower Upper
82 100
128 41.3 40.6 60.8
54 50.1 49.6 74.4



#25
Isophorone
Concen: 5.916 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.276 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Tgt Ion: 82 Resp: 90770
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#





#37

2-Methylnaphthalene

Concen: 2.849 ng

RT: 8.804 min Scan# 1142

Delta R.T. -0.012 min

Lab File: BF126362.D

Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

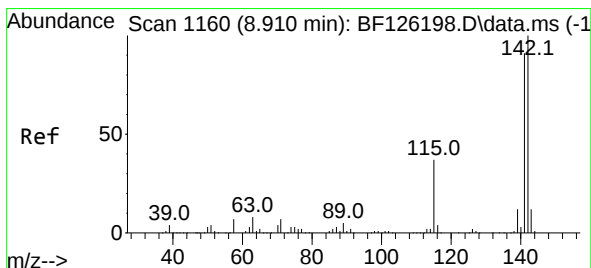
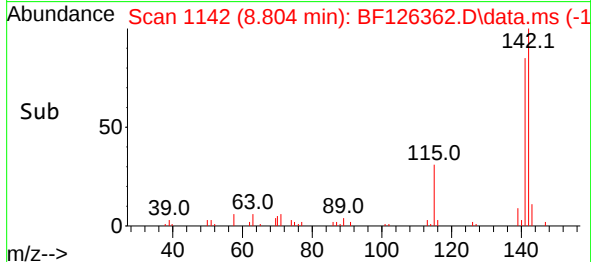
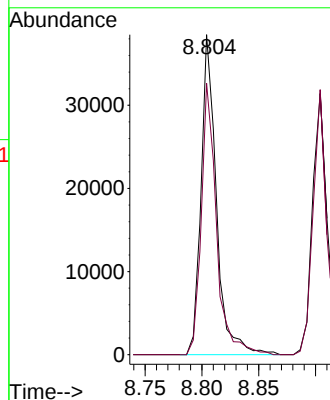
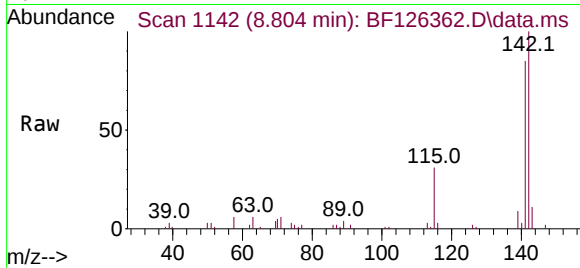
SB-21-G2DL

Tgt Ion:142 Resp: 36097

Ion Ratio Lower Upper

142 100

141 84.8 71.2 106.8



#38

1-Methylnaphthalene

Concen: 2.374 ng

RT: 8.904 min Scan# 1159

Delta R.T. -0.012 min

Lab File: BF126362.D

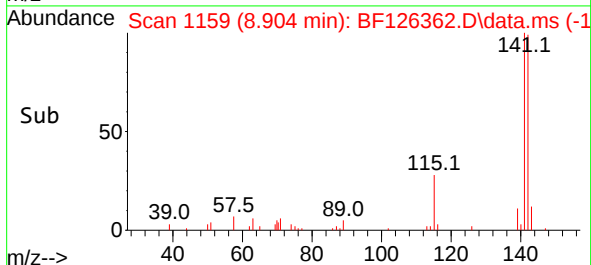
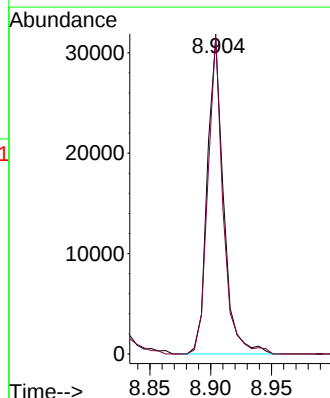
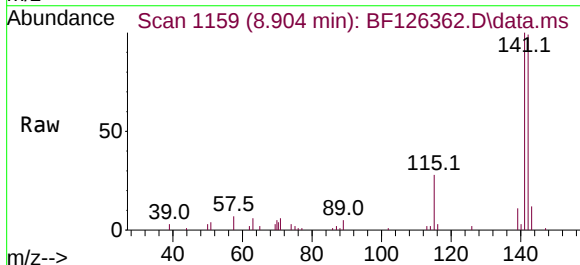
Acq: 27 Dec 2021 18:35

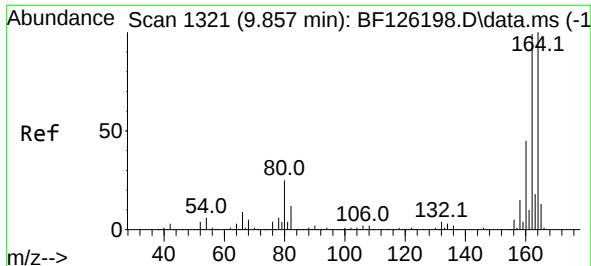
Tgt Ion:142 Resp: 29196

Ion Ratio Lower Upper

142 100

141 101.5 76.0 114.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF126362.D

Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

SB-21-G2DL

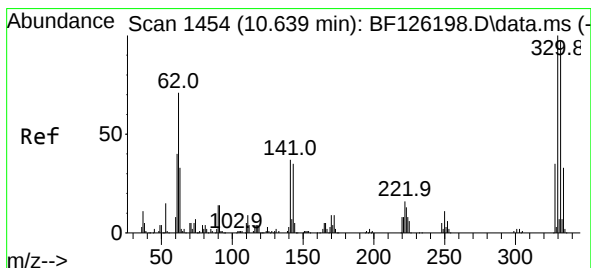
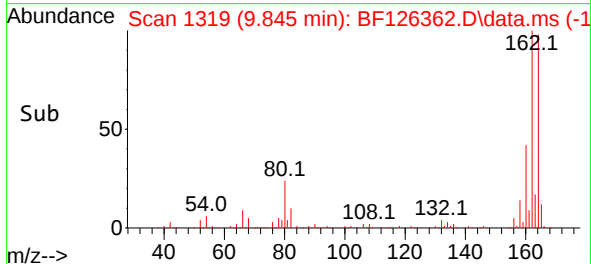
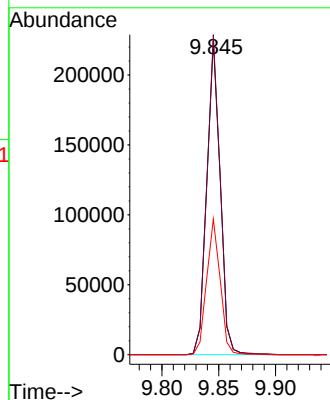
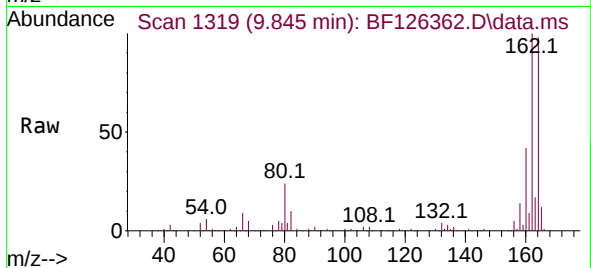
Tgt Ion:164 Resp: 184371

Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

160 43.3 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 6.996 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF126362.D

Acq: 27 Dec 2021 18:35

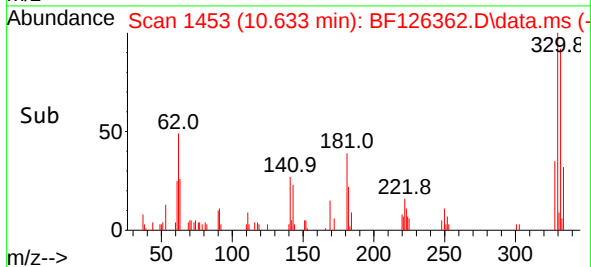
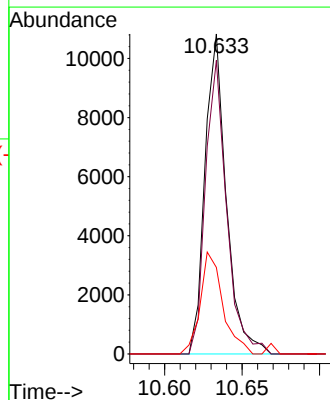
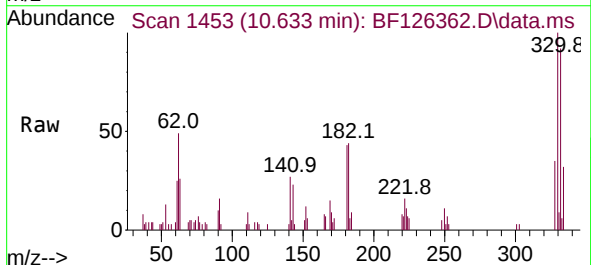
Tgt Ion:330 Resp: 10366

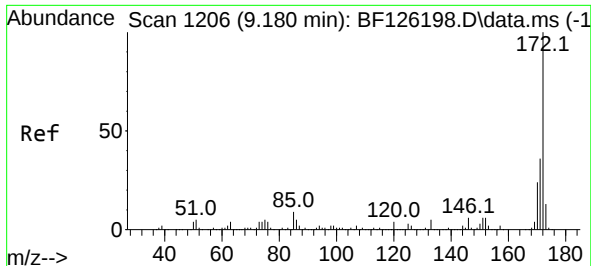
Ion Ratio Lower Upper

330 100

332 90.9 76.2 114.4

141 33.7 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 14.600 ng

RT: 9.169 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF126362.D

Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

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SB-21-G2DL

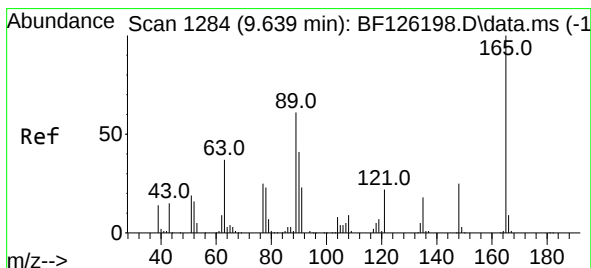
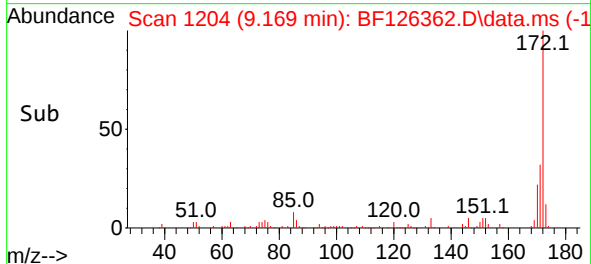
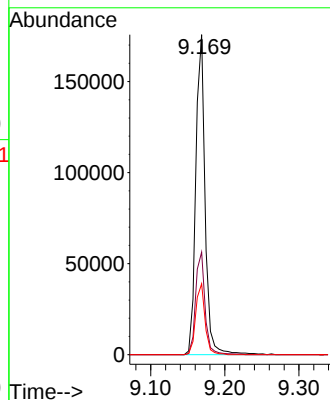
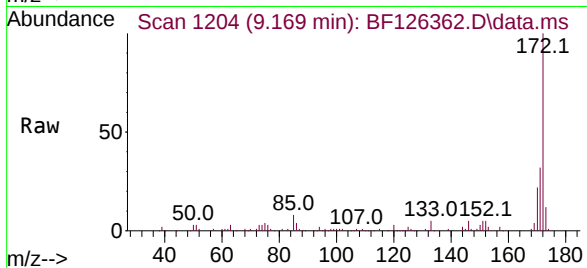
Tgt Ion:172 Resp: 153479

Ion Ratio Lower Upper

172 100

171 32.1 26.5 39.7

170 22.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.913 ng

RT: 9.845 min Scan# 1319

Delta R.T. 0.206 min

Lab File: BF126362.D

Acq: 27 Dec 2021 18:35

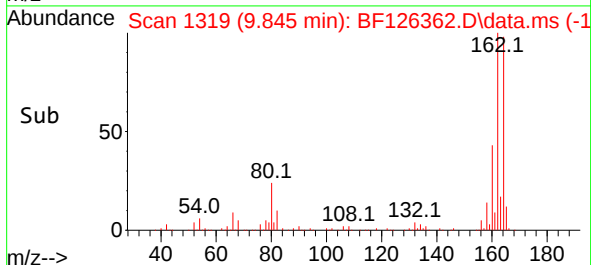
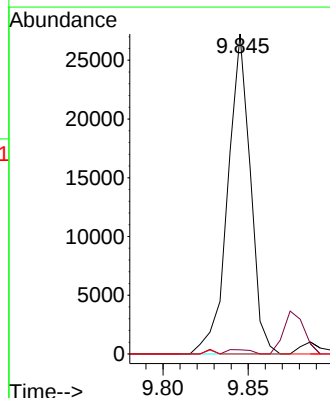
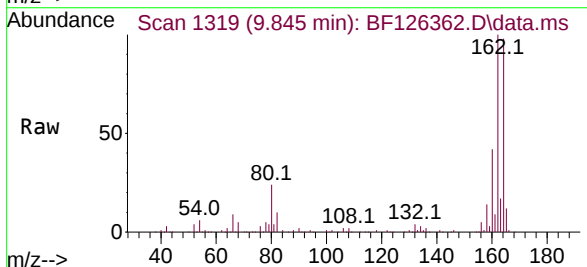
Tgt Ion:165 Resp: 25059

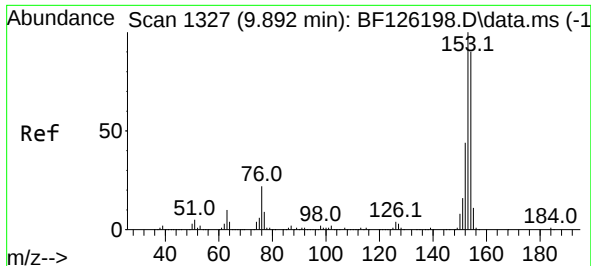
Ion Ratio Lower Upper

165 100

63 1.3 42.6 63.8#

89 0.0 40.6 60.8#

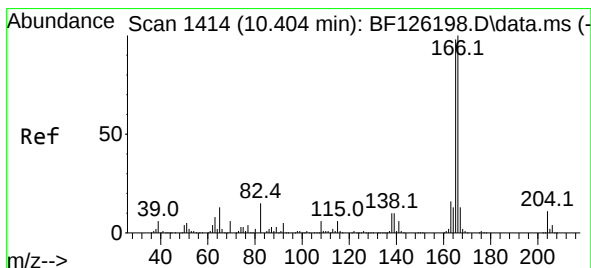
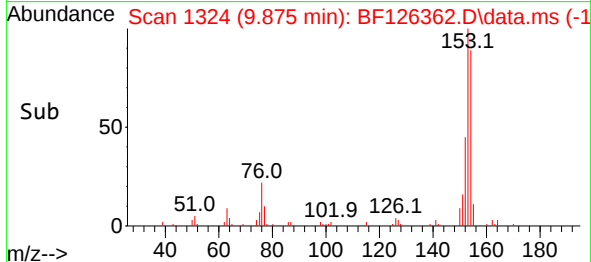
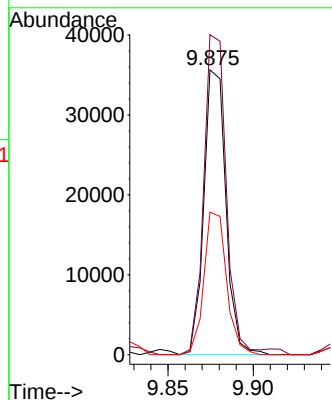
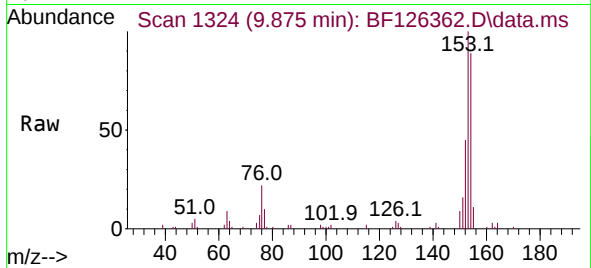




#52
Acenaphthene
Concen: 3.161 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

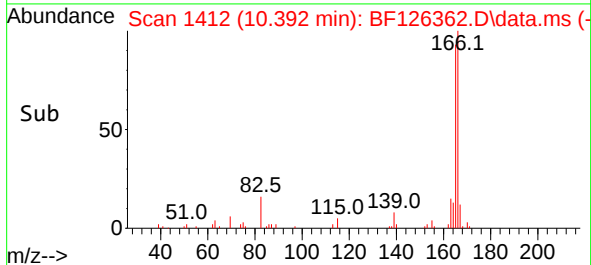
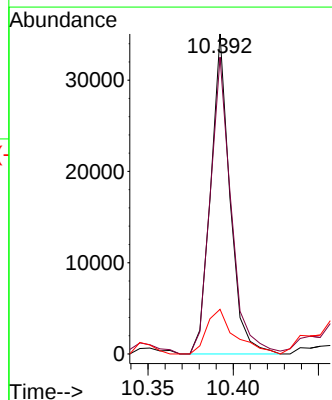
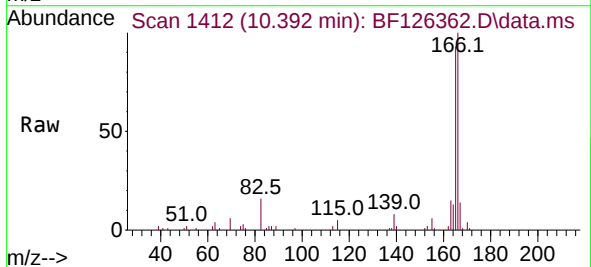
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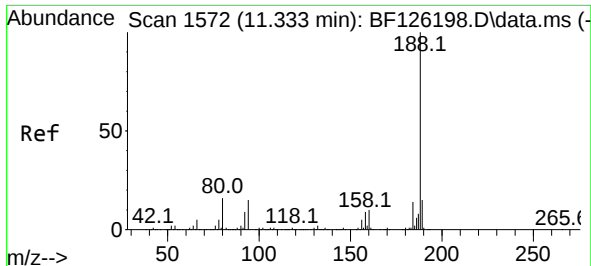
Tgt Ion:154 Resp: 32125
Ion Ratio Lower Upper
154 100
153 112.4 89.4 134.2
152 50.1 40.5 60.7



#58
Fluorene
Concen: 2.752 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Tgt Ion:166 Resp: 27572
Ion Ratio Lower Upper
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165 92.7 78.1 117.1
167 14.0 11.1 16.7

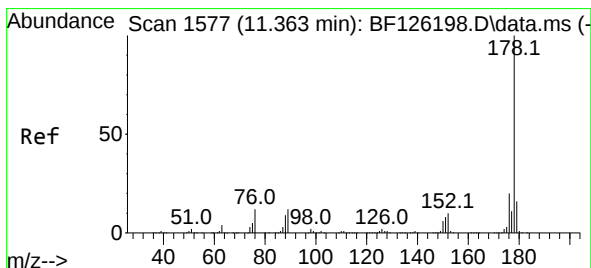
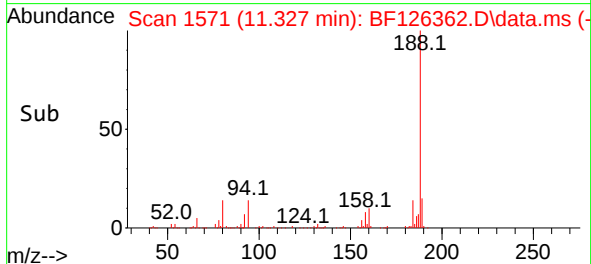
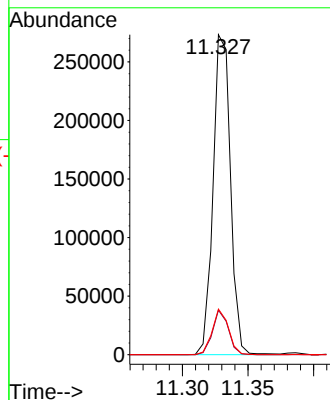
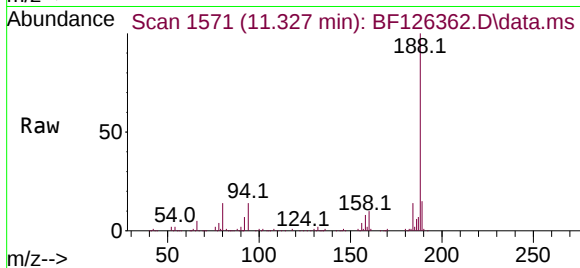




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

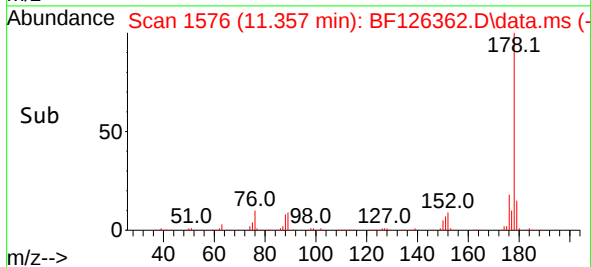
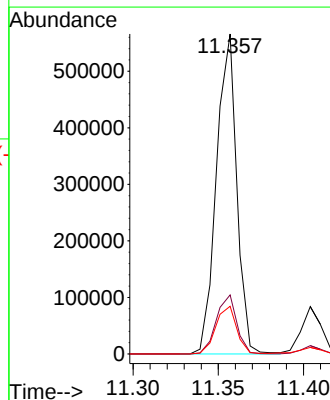
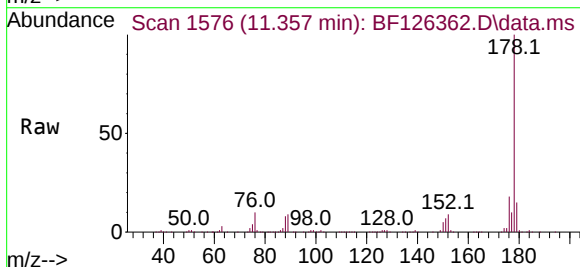
Instrument :
BNA_F
ClientSampleId :
SB-21-G2DL

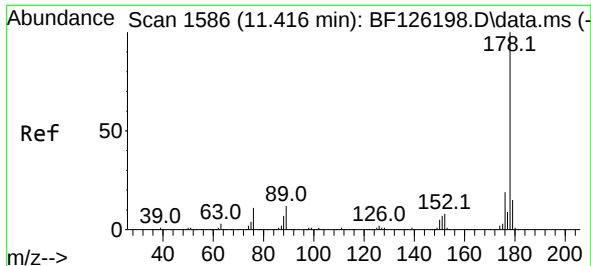
Tgt Ion:188 Resp: 251643
Ion Ratio Lower Upper
188 100
94 13.9 6.7 10.1#
80 14.3 7.5 11.3#



#71
Phenanthrene
Concen: 36.189 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Tgt Ion:178 Resp: 470030
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 14.9 11.5 17.3

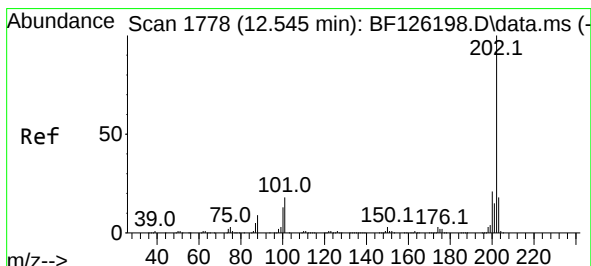
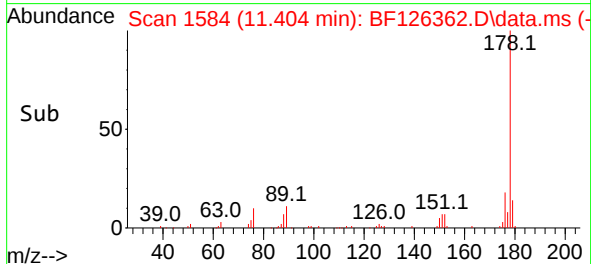
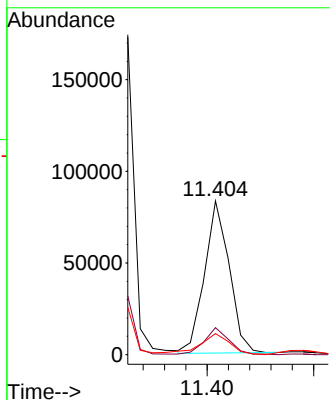
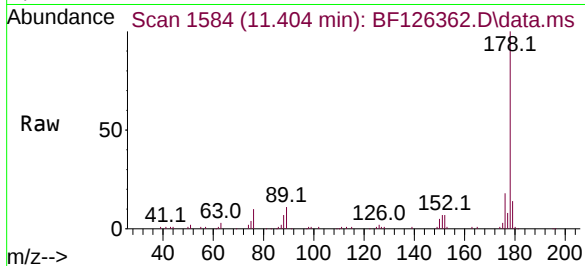




#72
 Anthracene
 Concen: 5.148 ng
 RT: 11.404 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF126362.D
 Acq: 27 Dec 2021 18:35

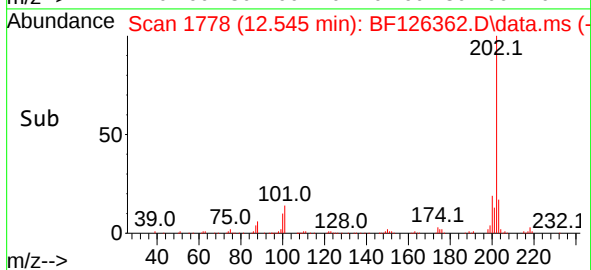
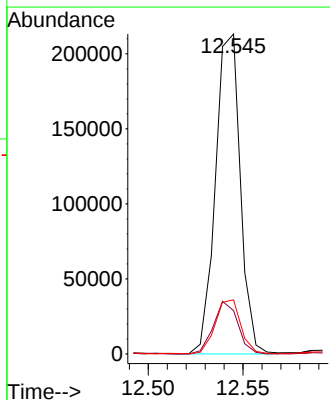
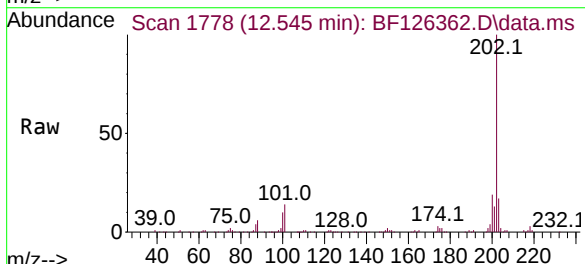
Instrument :
 BNA_F
 ClientSampleId :
 SB-21-G2DL

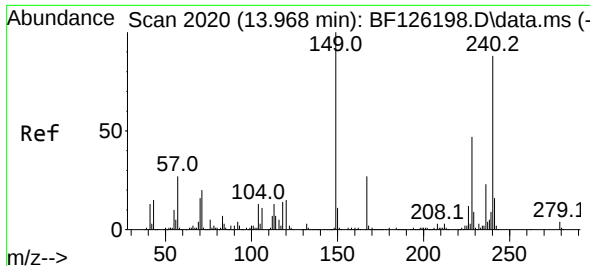
Tgt Ion:178 Resp: 67115
 Ion Ratio Lower Upper
 178 100
 176 17.6 14.3 21.5
 179 13.8 12.2 18.4



#75
 Fluoranthene
 Concen: 16.664 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.006 min
 Lab File: BF126362.D
 Acq: 27 Dec 2021 18:35

Tgt Ion:202 Resp: 194998
 Ion Ratio Lower Upper
 202 100
 101 13.5 0.0 30.7
 203 16.9 0.0 36.3

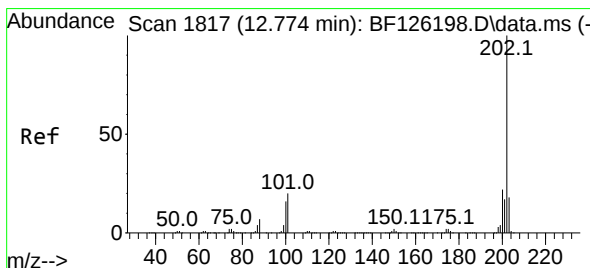
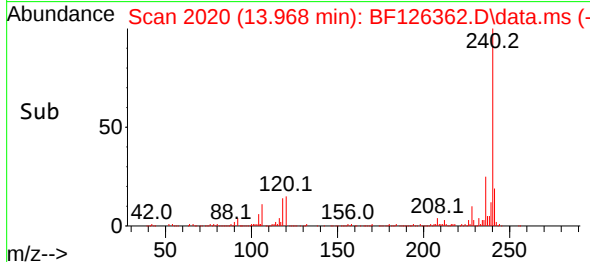
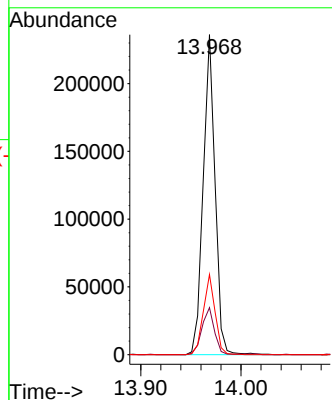
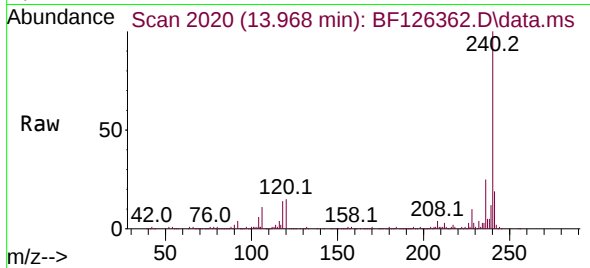




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

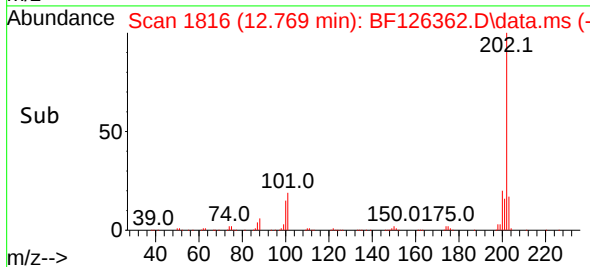
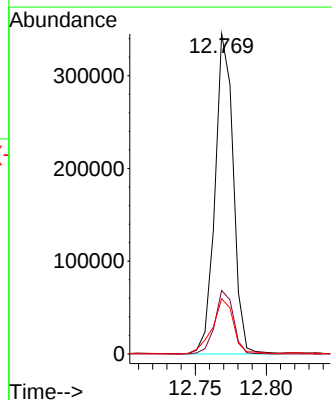
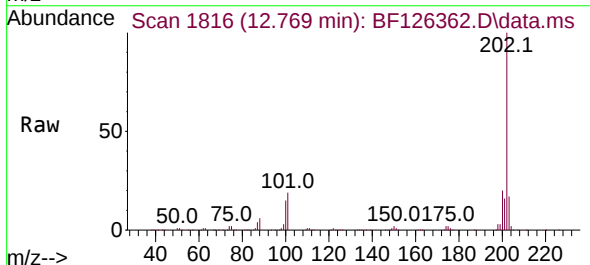
Instrument :
BNA_F
ClientSampleId :
SB-21-G2DL

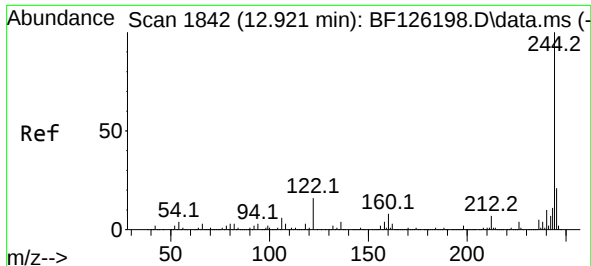
Tgt Ion:240 Resp: 195277
Ion Ratio Lower Upper
240 100
120 14.7 10.8 16.2
236 25.1 21.6 32.4



#78
Pyrene
Concen: 17.239 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Tgt Ion:202 Resp: 309269
Ion Ratio Lower Upper
202 100
200 19.8 15.3 22.9
203 17.3 13.4 20.0

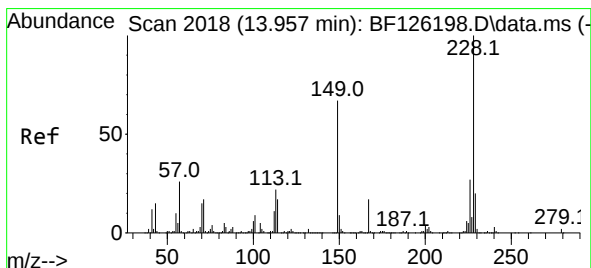
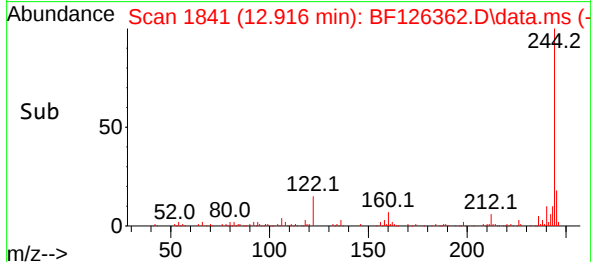
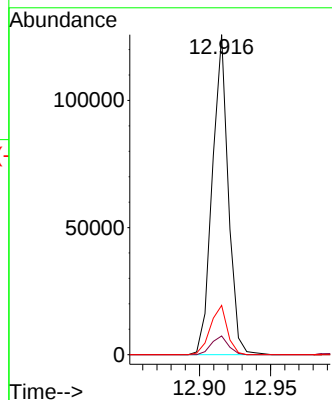
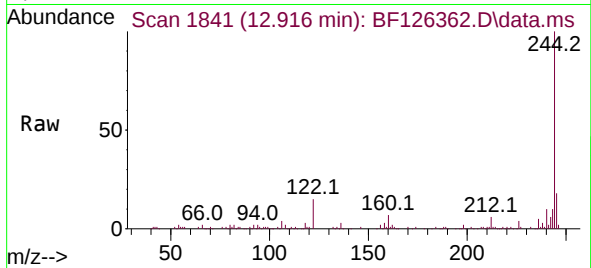




#79
 Terphenyl-d14
 Concen: 8.784 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF126362.D
 Acq: 27 Dec 2021 18:35

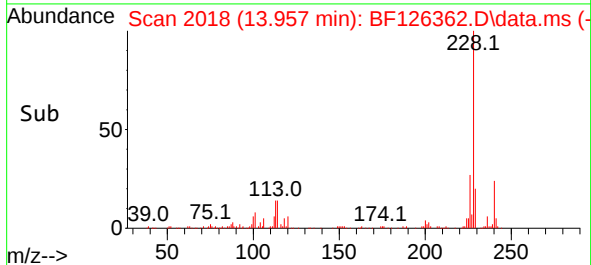
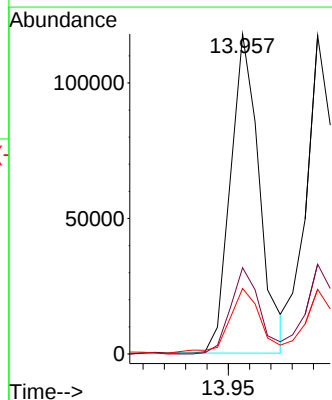
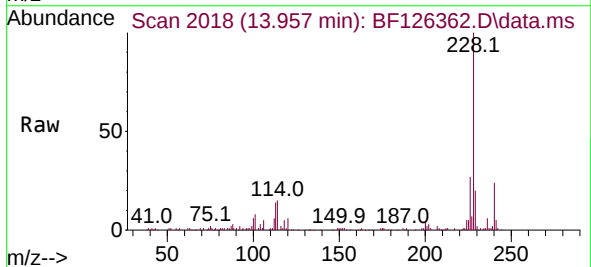
Instrument :
 BNA_F
 ClientSampleId :
 SB-21-G2DL

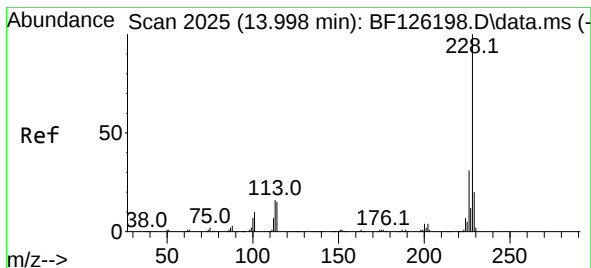
Tgt Ion:244 Resp: 98684
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.9 8.9#
 122 15.4 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 9.592 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.012 min
 Lab File: BF126362.D
 Acq: 27 Dec 2021 18:35

Tgt Ion:228 Resp: 110958
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.6 32.4
 229 20.4 15.6 23.4





#83

Chrysene

Concen: 8.715 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF126362.D

Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

SB-21-G2DL

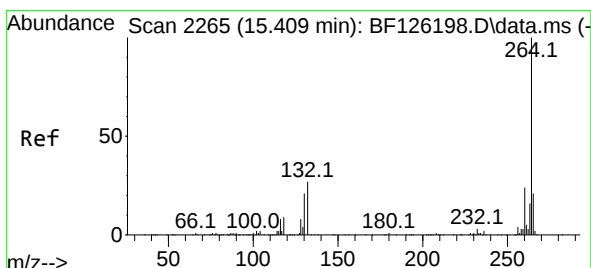
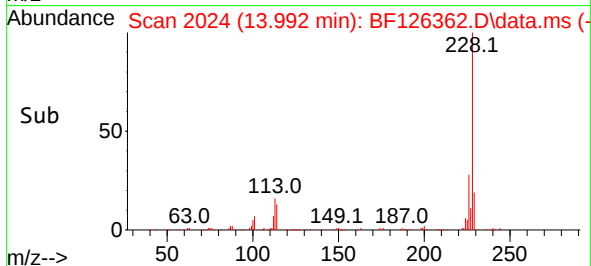
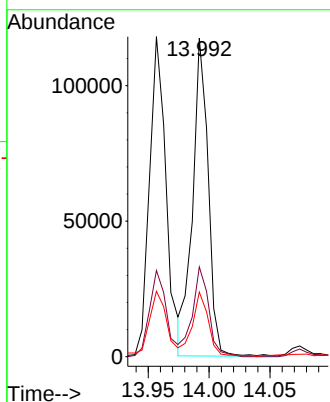
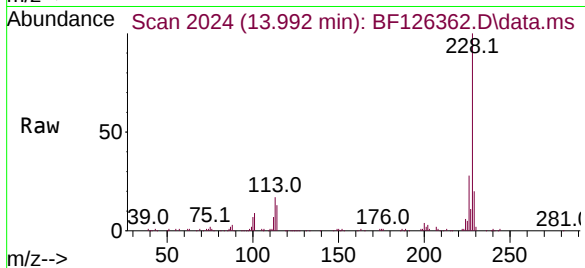
Tgt Ion:228 Resp: 104738

Ion Ratio Lower Upper

228 100

226 28.2 22.6 34.0

229 20.3 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

Delta R.T. -0.012 min

Lab File: BF126362.D

Acq: 27 Dec 2021 18:35

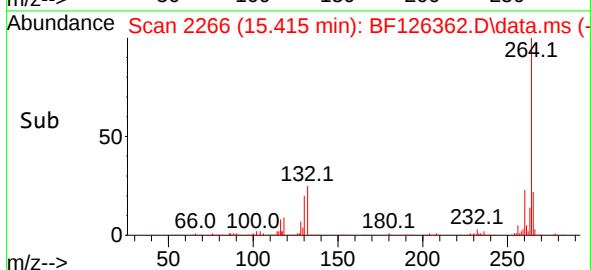
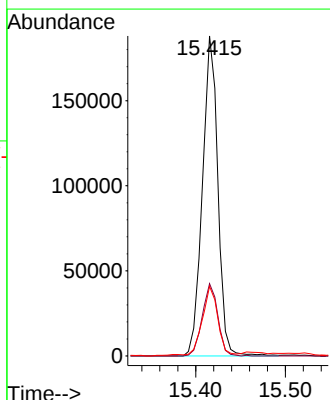
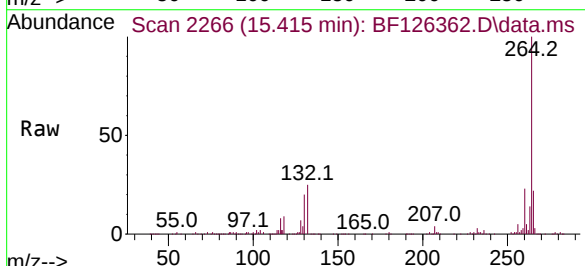
Tgt Ion:264 Resp: 224477

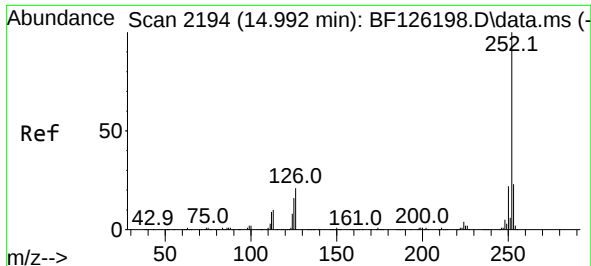
Ion Ratio Lower Upper

264 100

260 22.6 19.6 29.4

265 21.8 17.2 25.8

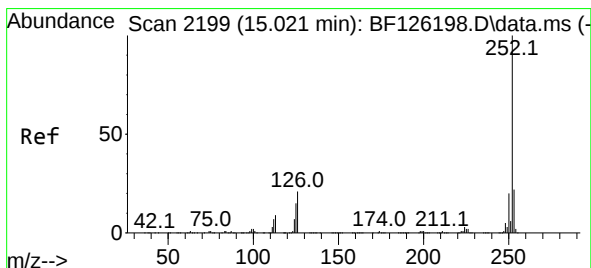
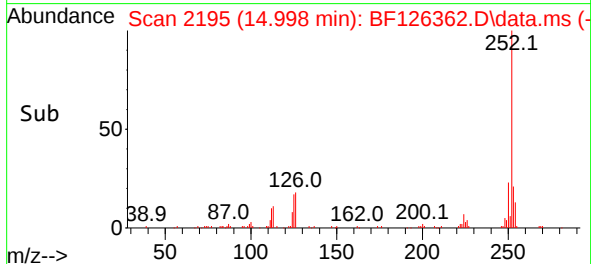
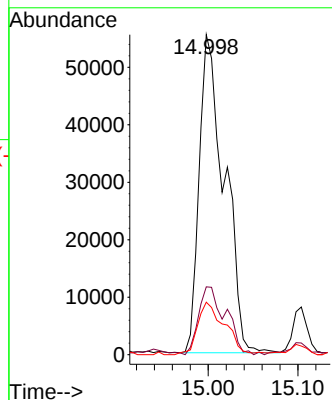
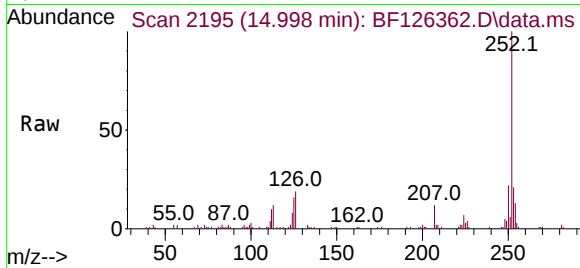




#88
Benzo(b)fluoranthene
Concen: 8.017 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

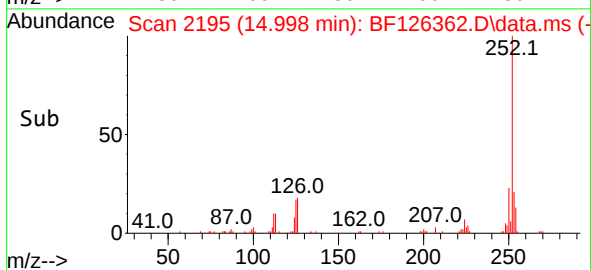
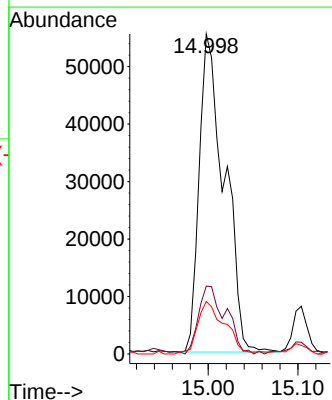
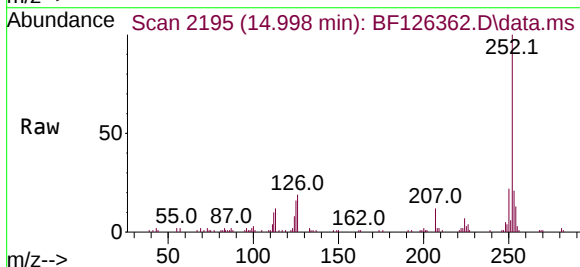
Instrument :
BNA_F
ClientSampleId :
SB-21-G2DL

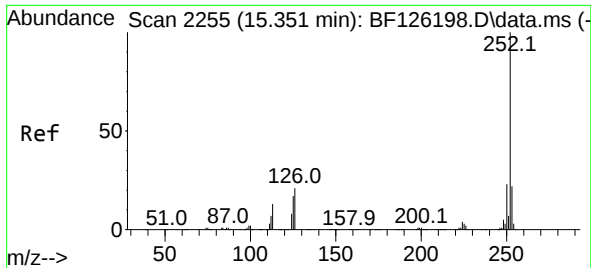
Tgt Ion:252 Resp: 108138
Ion Ratio Lower Upper
252 100
253 21.2 16.8 25.2
125 16.4 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 8.381 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF126362.D
Acq: 27 Dec 2021 18:35

Tgt Ion:252 Resp: 108138
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.8
125 16.4 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 6.257 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF126362.D

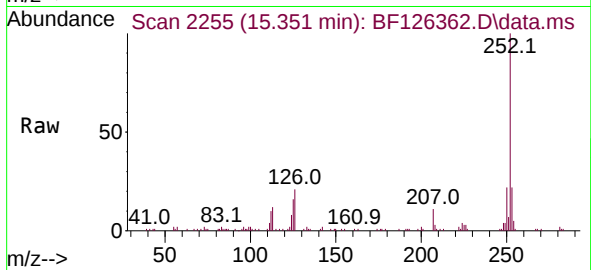
Acq: 27 Dec 2021 18:35

Instrument :

BNA_F

ClientSampleId :

SB-21-G2DL



Tgt Ion:252 Resp: 70143

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

125 16.1 9.9 14.9#

