

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121621\
 Data File : BF126215.D
 Acq On : 16 Dec 2021 16:59
 Operator : JU/CG
 Sample : M5068-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 16 17:20:09 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

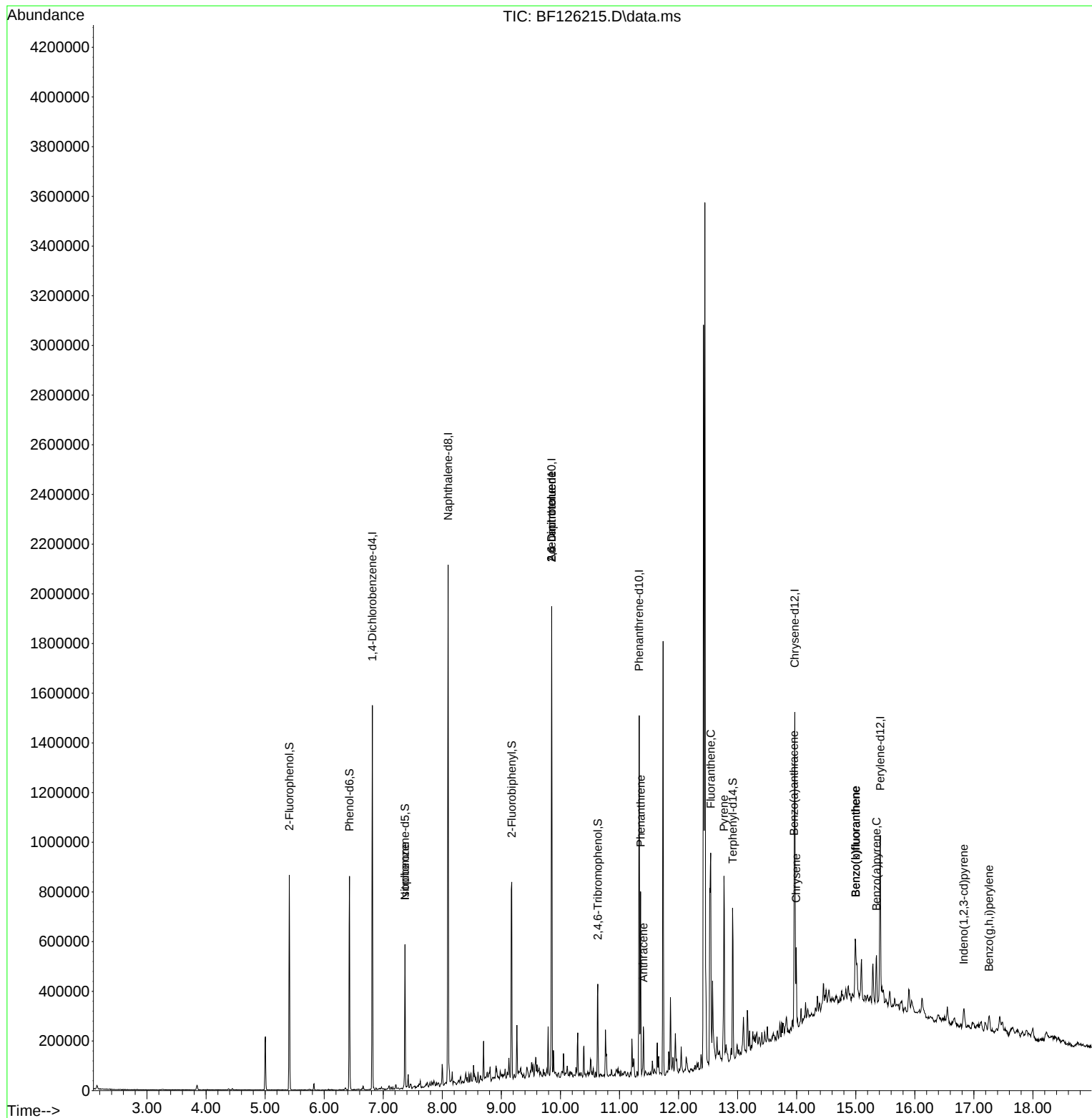
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	197931	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	804330	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	332808	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	465806	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	370423	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	278176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	219772	16.352	ng	-0.01
7) Phenol-d6	6.428	99	261386	15.316	ng	-0.02
23) Nitrobenzene-d5	7.369	82	152908	10.296	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	33580	12.555	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	232762	12.266	ng	0.00
79) Terphenyl-d14	12.916	244	175476	8.234	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.369	82	147160	5.247	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	44508	9.754	ng	# 28
57) 2,4-Dinitrotoluene	9.851	165	44508	7.646	ng	# 20
71) Phenanthrene	11.357	178	236887	9.853	ng	98
72) Anthracene	11.404	178	66738	2.766	ng	97
75) Fluoranthene	12.545	202	296764	13.700	ng	93
78) Pyrene	12.769	202	274704	8.072	ng	96
81) Benzo(a)anthracene	13.957	228	128822	5.871	ng	99
83) Chrysene	13.992	228	111594	4.895	ng	98
87) Indeno(1,2,3-cd)pyrene	16.827	276	49150	2.649	ng	94
88) Benzo(b)fluoranthene	14.998	252	176595	10.565	ng	# 90
89) Benzo(k)fluoranthene	14.998	252	176595	11.045	ng	# 89
90) Benzo(a)pyrene	15.351	252	92167	6.635	ng	# 94
92) Benzo(g,h,i)perylene	17.256	276	47226	3.026	ng	# 87

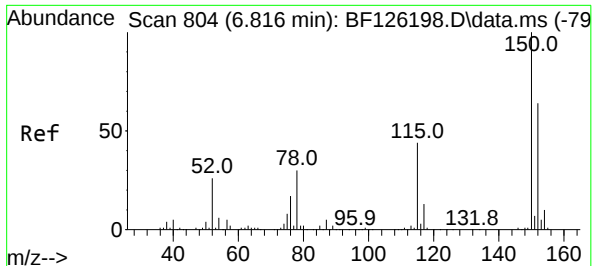
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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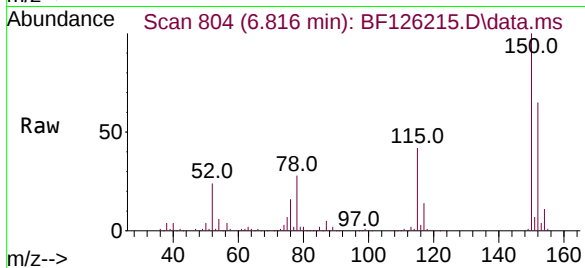
Quant Time: Dec 16 17:20:09 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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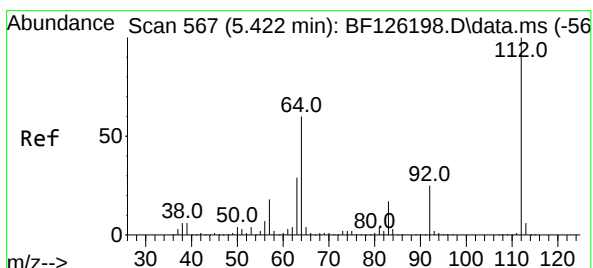
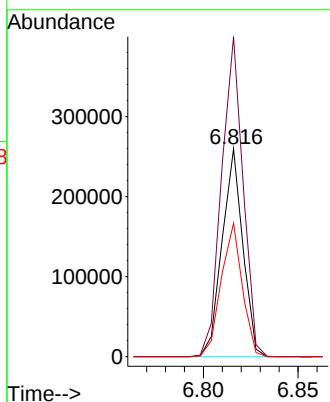
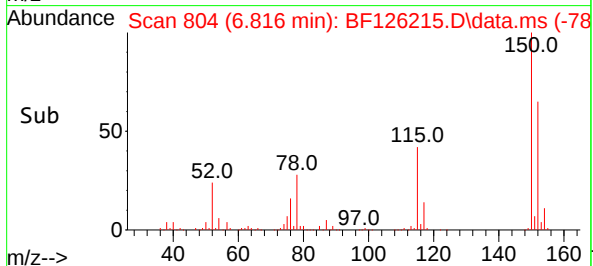


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

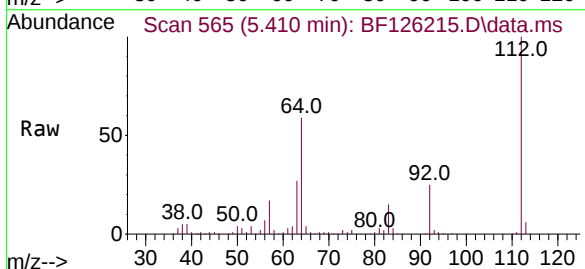
Instrument :
BNA_F
ClientSampleId :



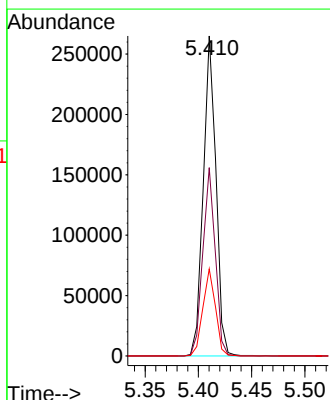
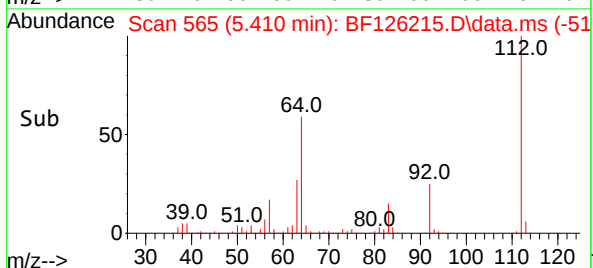
Tgt Ion:152 Resp: 197931
Ion Ratio Lower Upper
152 100
150 153.8 117.6 176.4
115 64.2 47.1 70.7

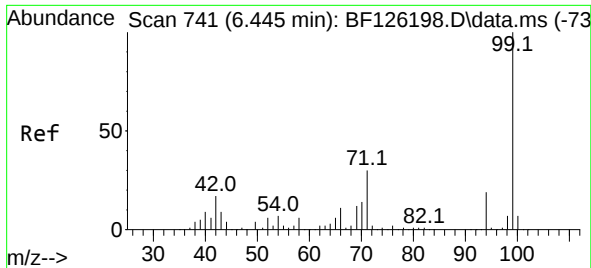


#5
2-Fluorophenol
Concen: 16.352 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59



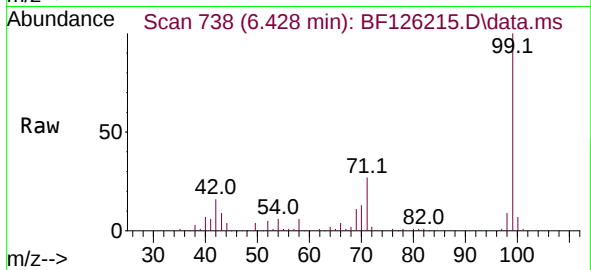
Tgt Ion:112 Resp: 219772
Ion Ratio Lower Upper
112 100
64 58.9 44.2 66.2
63 27.2 26.2 39.2



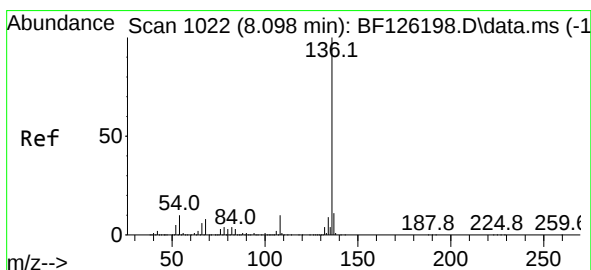
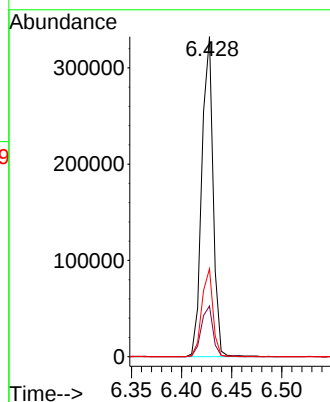
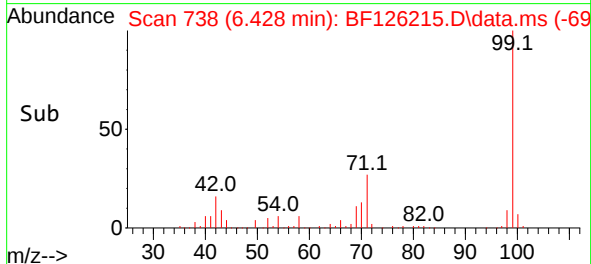


#7
Phenol-d6
Concen: 15.316 ng
RT: 6.428 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

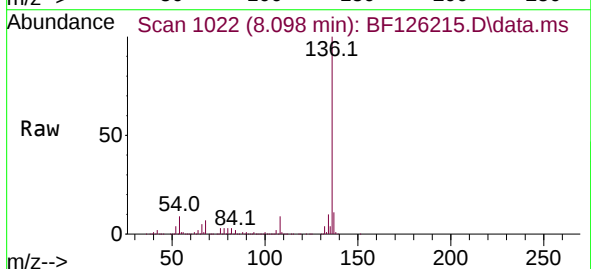
Instrument :
BNA_F
ClientSampleId :



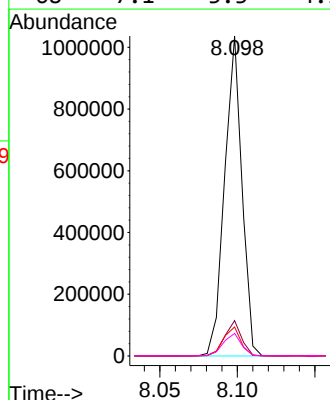
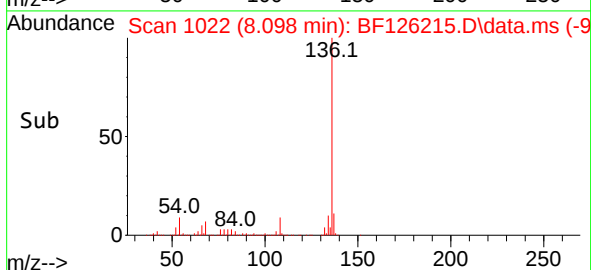
Tgt Ion: 99 Resp: 261386
Ion Ratio Lower Upper
99 100
42 15.9 23.5 35.3#
71 27.4 25.6 38.4

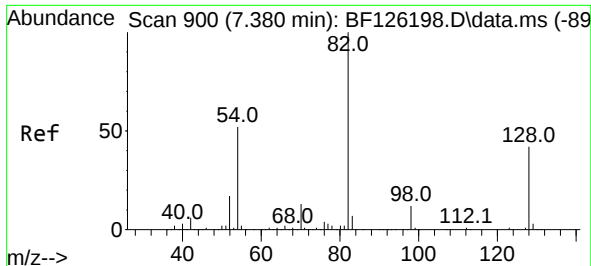


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59



Tgt Ion: 136 Resp: 804330
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.6
54 9.0 6.4 9.6
68 7.1 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 10.296 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

ClientSampleId :

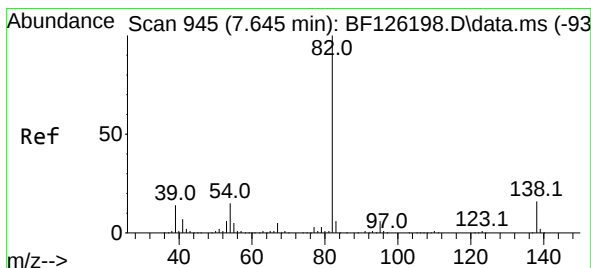
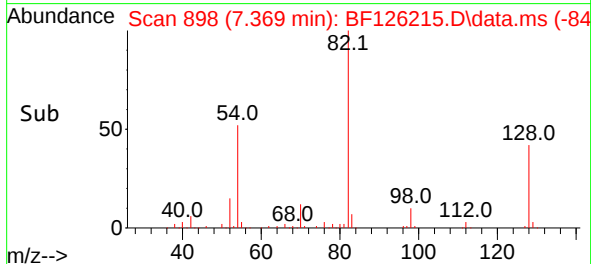
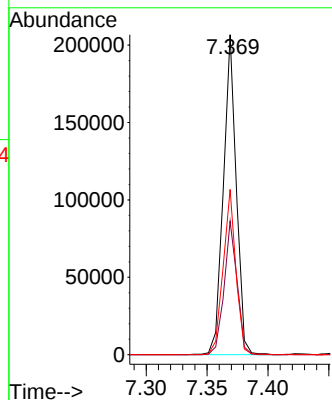
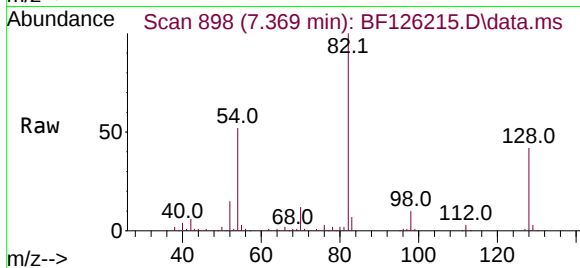
Tgt Ion: 82 Resp: 152908

Ion Ratio Lower Upper

82 100

128 41.8 40.6 60.8

54 51.7 49.6 74.4



#25

Isophorone

Concen: 5.247 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.276 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

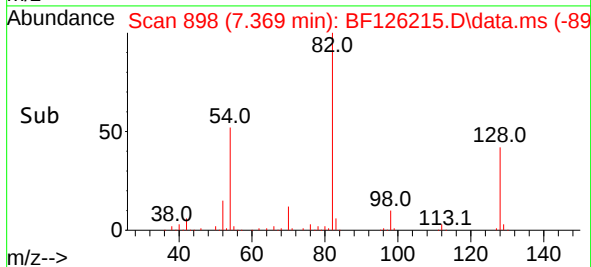
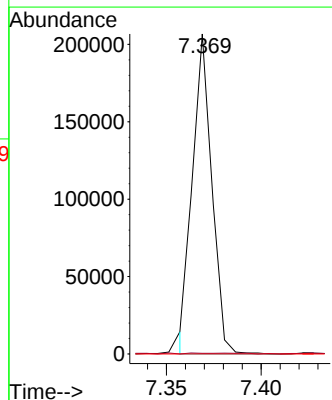
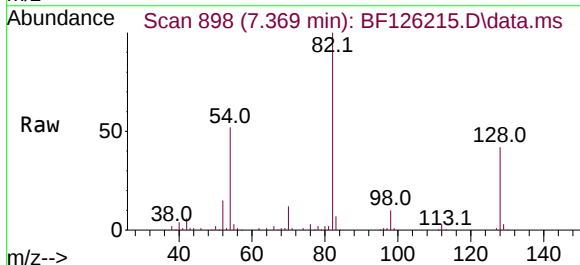
Tgt Ion: 82 Resp: 147160

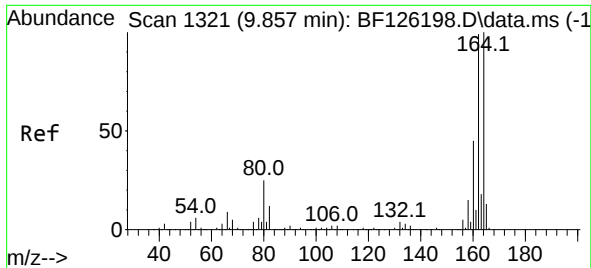
Ion Ratio Lower Upper

82 100

95 0.2 6.5 9.7#

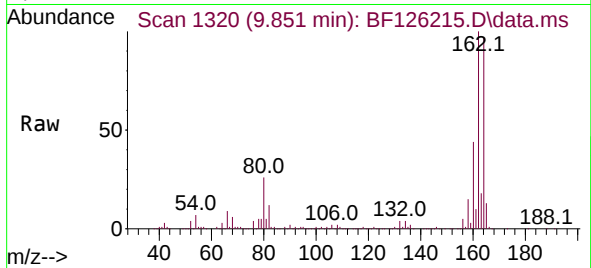
138 0.0 18.4 27.6#



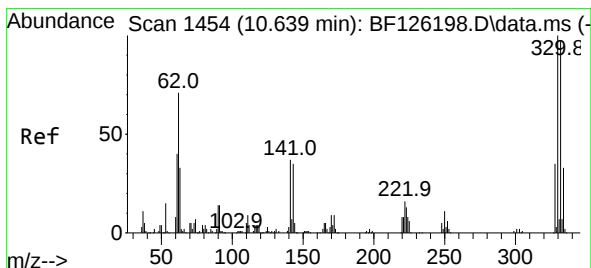
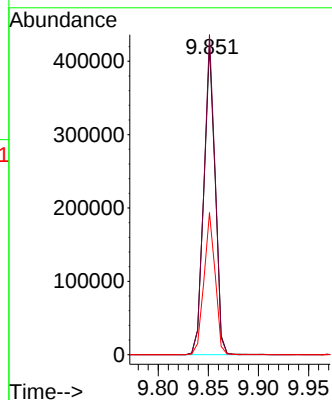
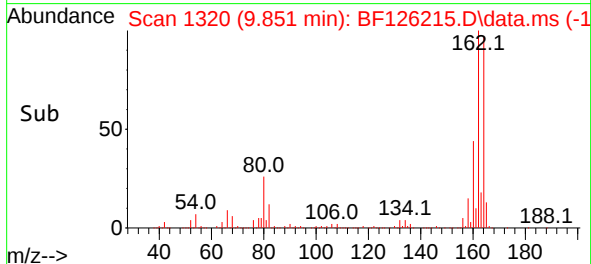


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

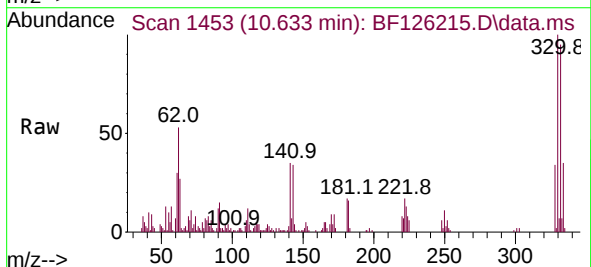
Instrument :
BNA_F
ClientSampleId :



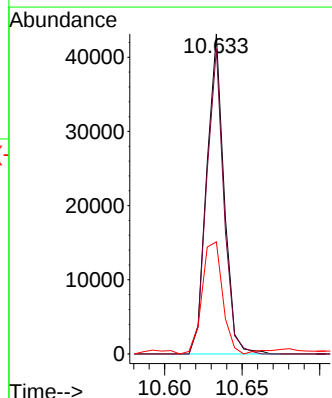
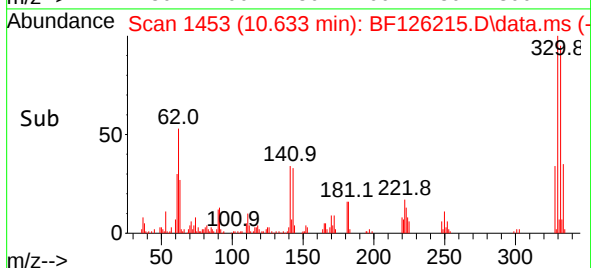
Tgt Ion:164 Resp: 332808
Ion Ratio Lower Upper
164 100
162 103.5 81.3 121.9
160 46.0 38.0 57.0

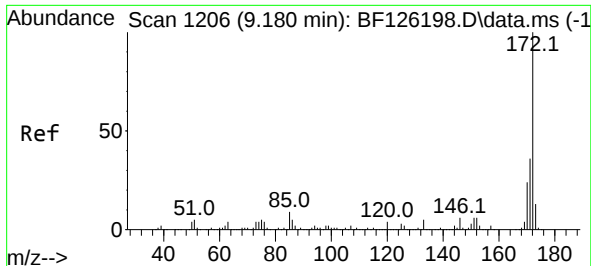


#42
2,4,6-Tribromophenol
Concen: 12.555 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59



Tgt Ion:330 Resp: 33580
Ion Ratio Lower Upper
330 100
332 94.0 76.2 114.4
141 41.2 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 12.266 ng

RT: 9.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

ClientSampleId :

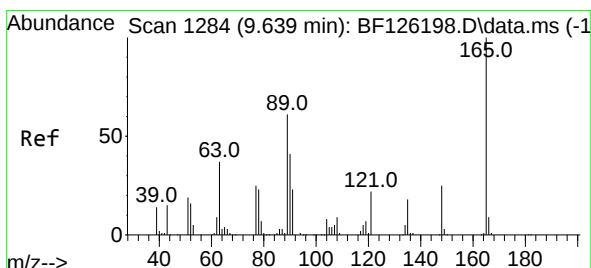
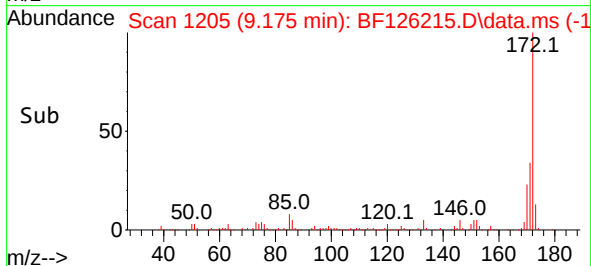
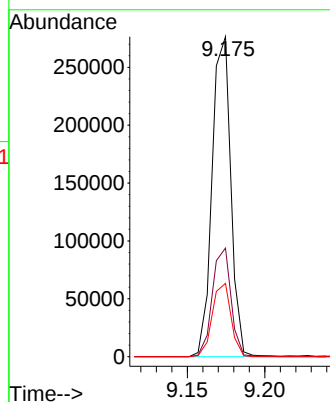
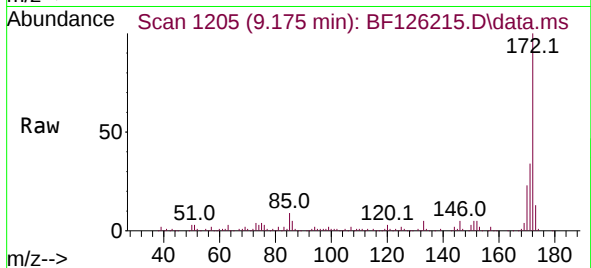
Tgt Ion:172 Resp: 232762

Ion Ratio Lower Upper

172 100

171 34.0 26.5 39.7

170 22.9 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.754 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

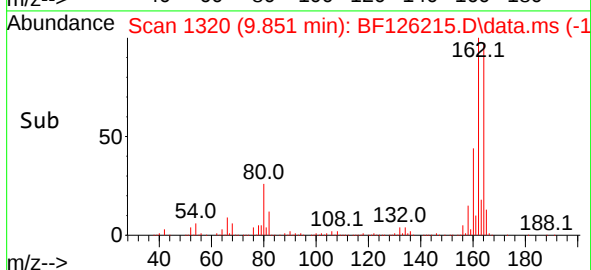
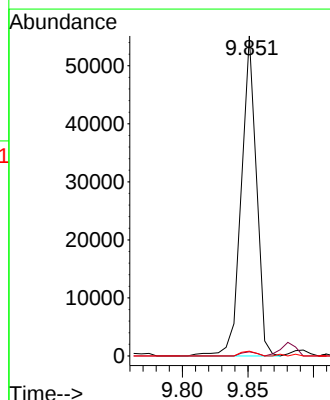
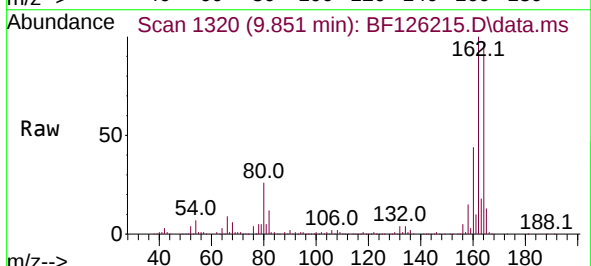
Tgt Ion:165 Resp: 44508

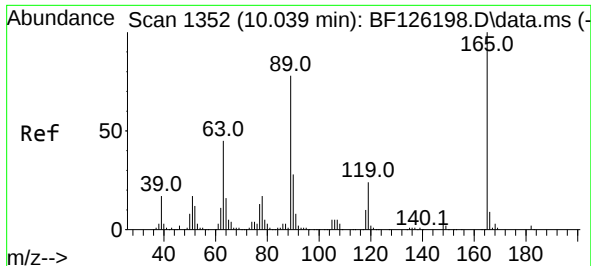
Ion Ratio Lower Upper

165 100

63 1.3 42.6 63.8#

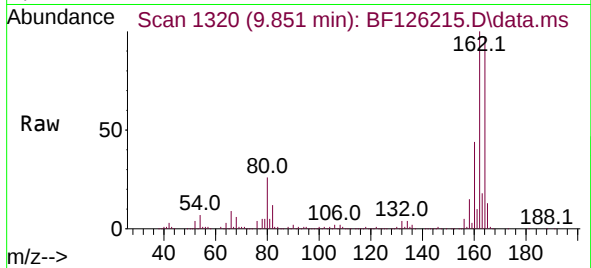
89 1.5 40.6 60.8#



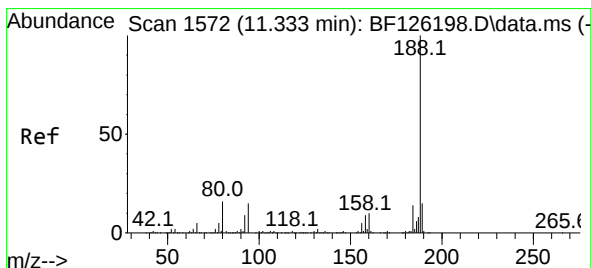
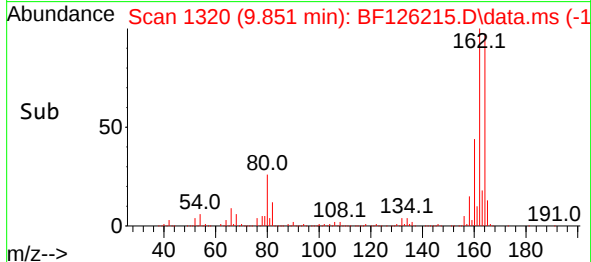
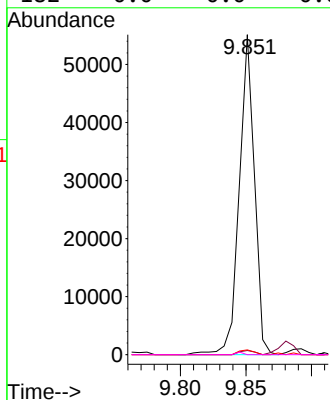


#57
2,4-Dinitrotoluene
Concen: 7.646 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Instrument :
BNA_F
ClientSampleId :

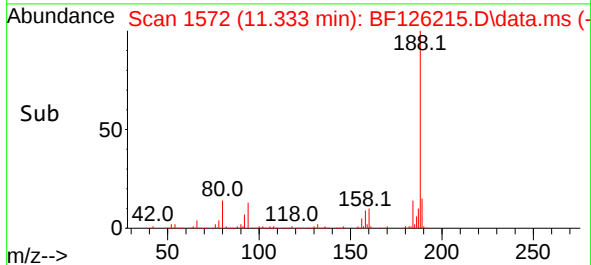
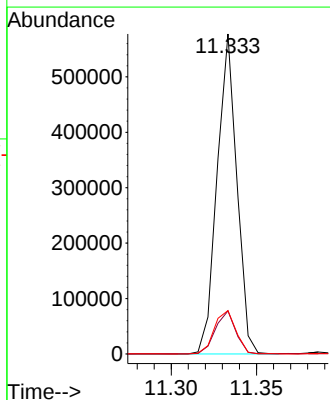
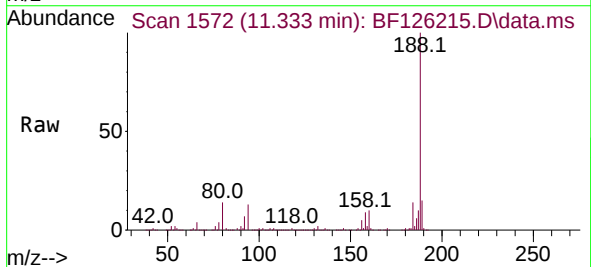


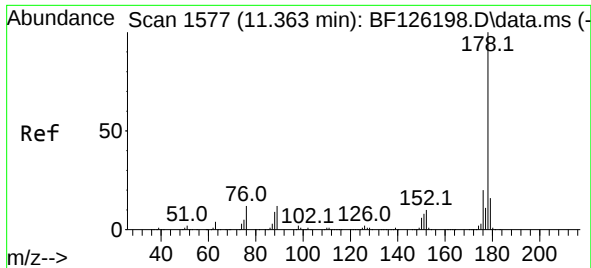
Tgt Ion:165 Resp: 44508
Ion Ratio Lower Upper
165 100
63 1.3 40.9 61.3#
89 1.5 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Tgt Ion:188 Resp: 465806
Ion Ratio Lower Upper
188 100
94 13.5 6.7 10.1#
80 13.5 7.5 11.3#

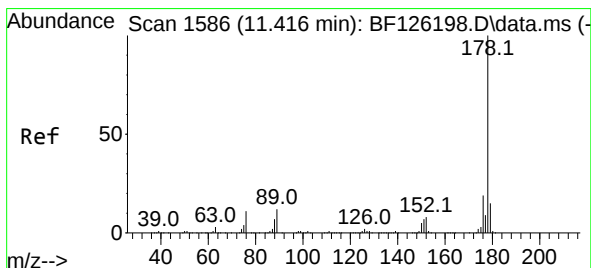
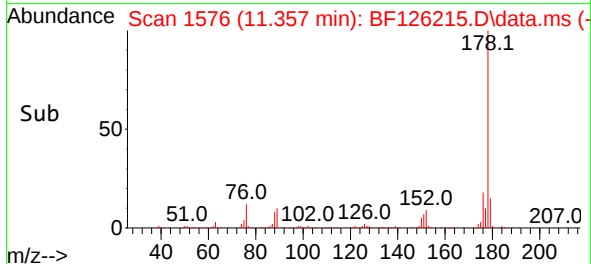
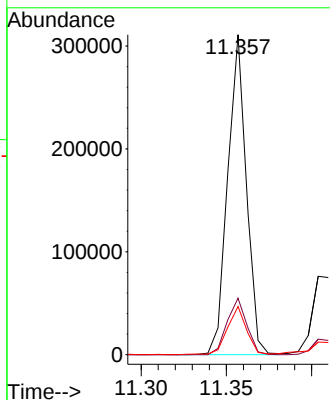
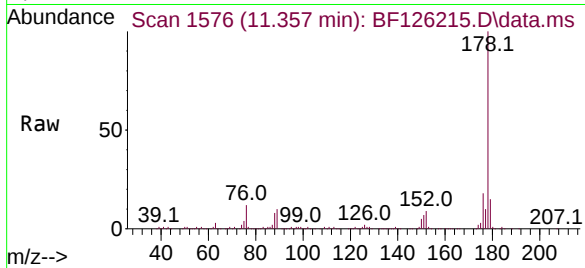




#71
Phenanthrene
Concen: 9.853 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

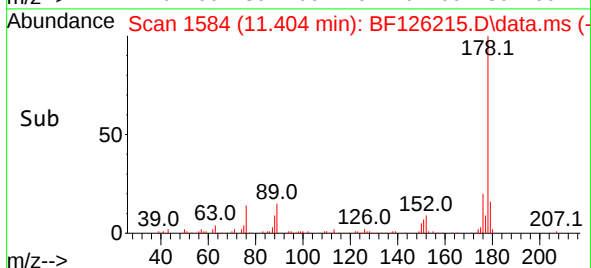
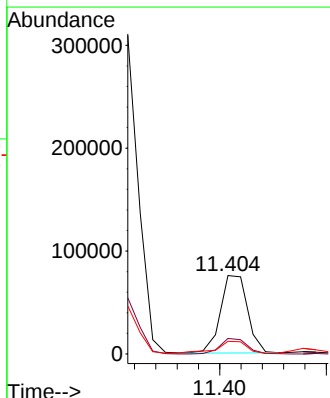
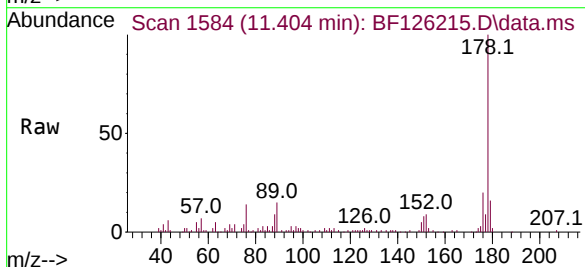
Instrument :
BNA_F
ClientSampleId :

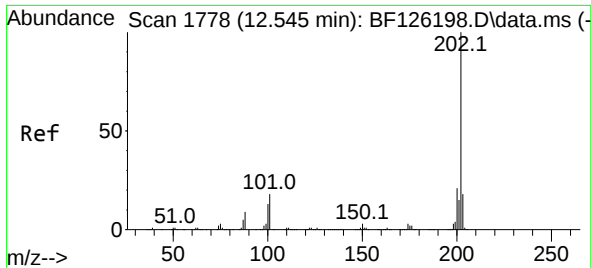
Tgt Ion:178 Resp: 236887
Ion Ratio Lower Upper
178 100
176 17.6 14.7 22.1
179 15.1 11.5 17.3



#72
Anthracene
Concen: 2.766 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

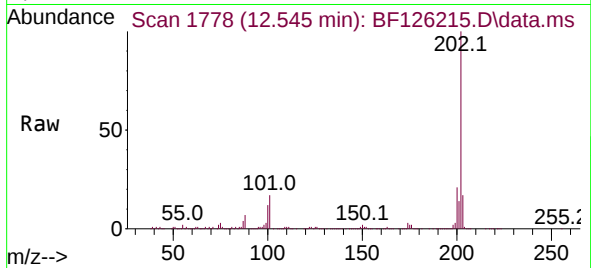
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Ion Ratio Lower Upper
178 100
176 19.8 14.3 21.5
179 16.1 12.2 18.4



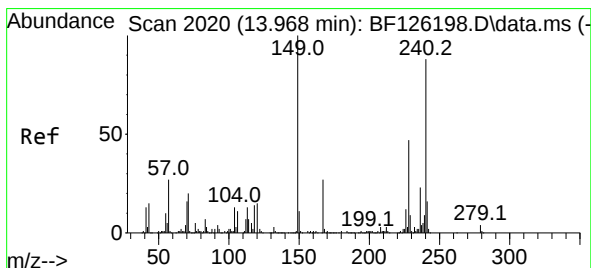
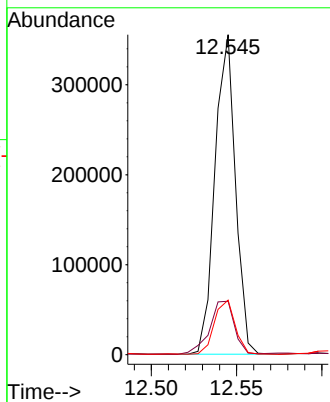
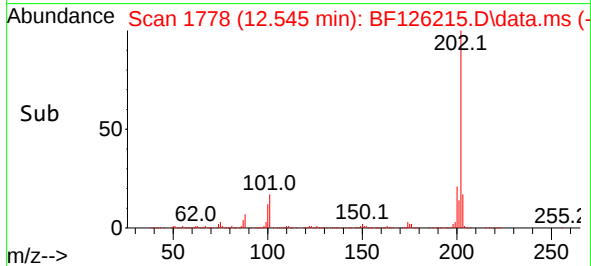


#75
Fluoranthene
Concen: 13.700 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Instrument :
BNA_F
ClientSampleId :

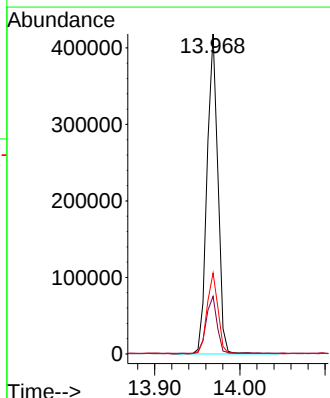
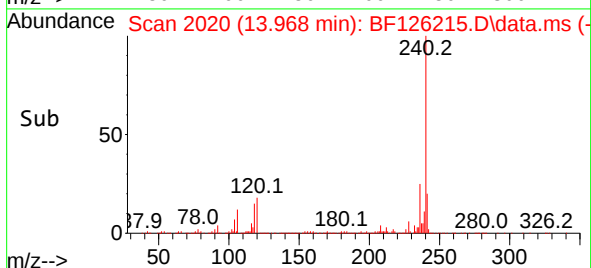
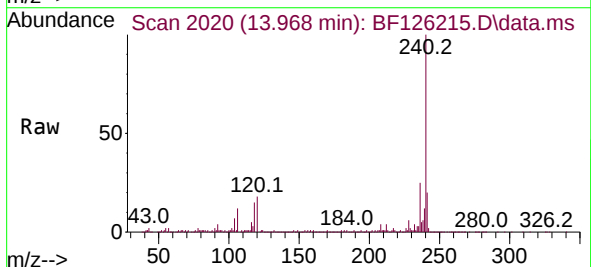


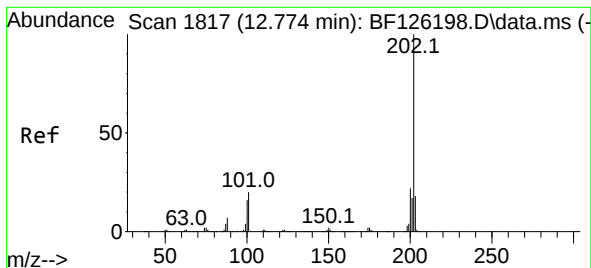
Tgt Ion:202 Resp: 296764
Ion Ratio Lower Upper
202 100
101 16.7 0.0 30.7
203 17.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Tgt Ion:240 Resp: 370423
Ion Ratio Lower Upper
240 100
120 18.0 10.8 16.2#
236 25.3 21.6 32.4





#78

Pyrene

Concen: 8.072 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

ClientSampleId :

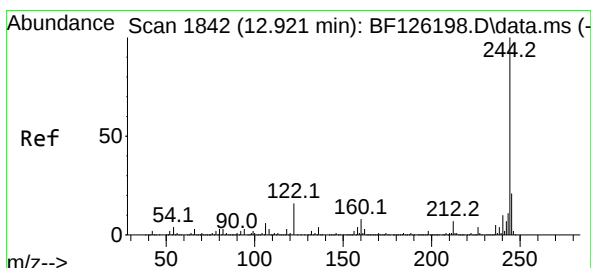
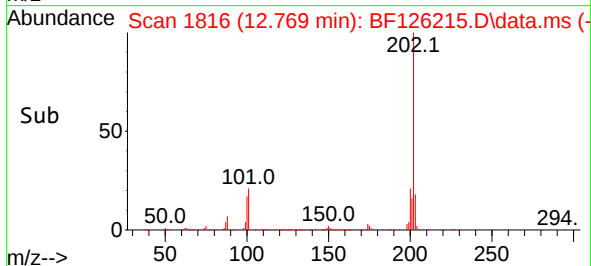
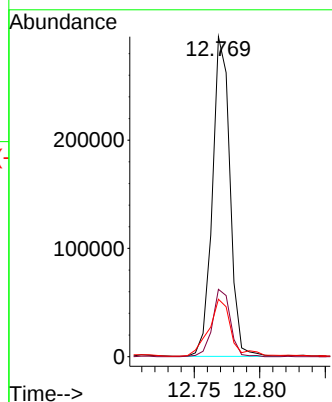
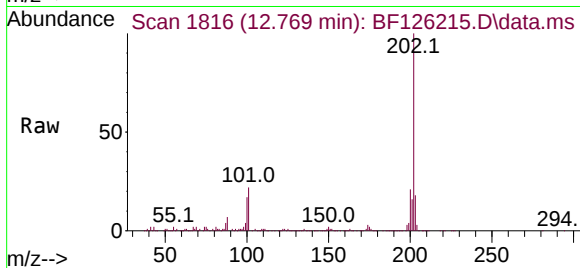
Tgt Ion:202 Resp: 274704

Ion Ratio Lower Upper

202 100

200 21.1 15.3 22.9

203 17.9 13.4 20.0



#79

Terphenyl-d14

Concen: 8.234 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

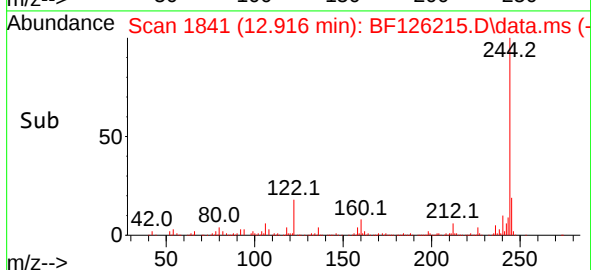
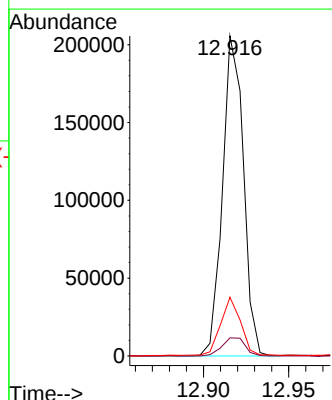
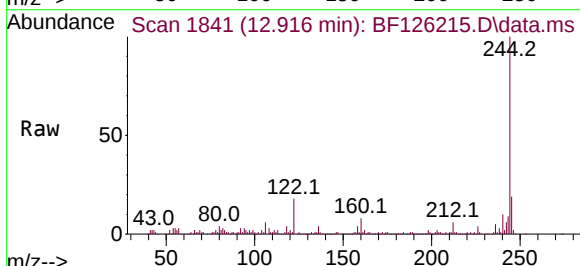
Tgt Ion:244 Resp: 175476

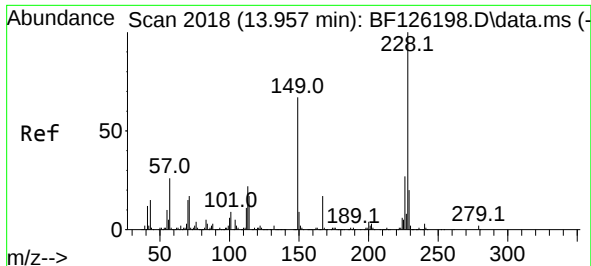
Ion Ratio Lower Upper

244 100

212 5.7 5.9 8.9#

122 18.4 9.0 13.4#

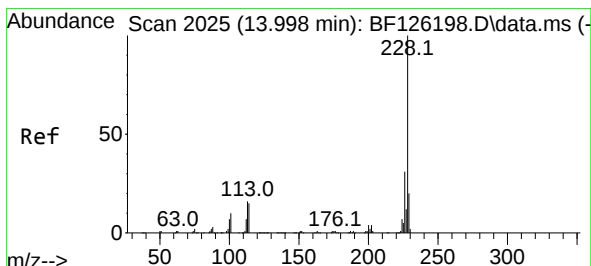
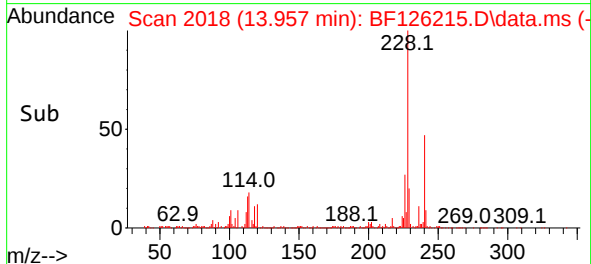
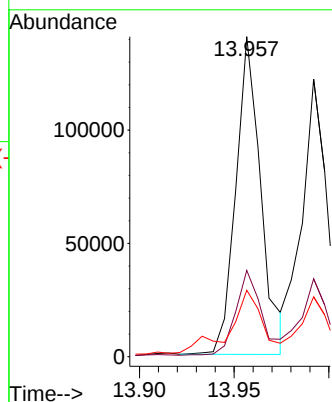
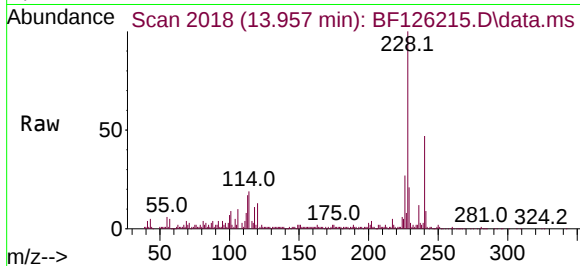




#81
Benzo(a)anthracene
Concen: 5.871 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

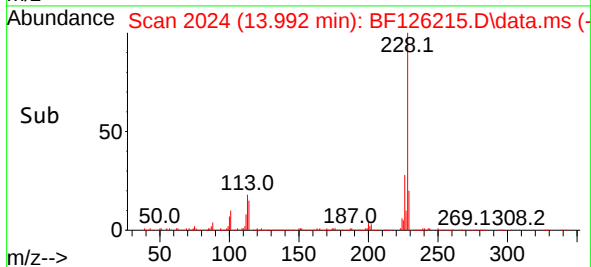
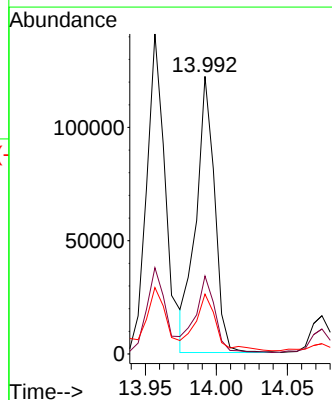
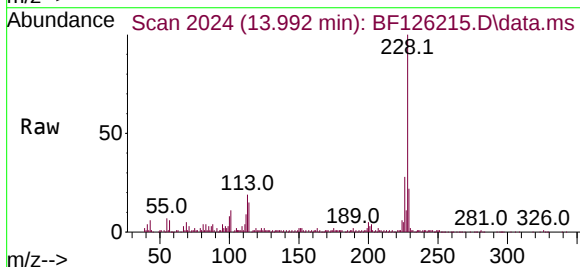
Instrument :
BNA_F
ClientSampleId :

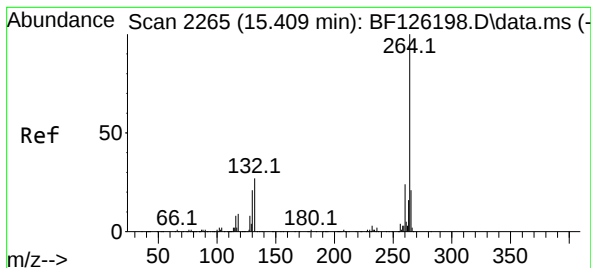
Tgt Ion:228 Resp: 128822
Ion Ratio Lower Upper
228 100
226 26.9 21.6 32.4
229 20.7 15.6 23.4



#83
Chrysene
Concen: 4.895 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Tgt Ion:228 Resp: 111594
Ion Ratio Lower Upper
228 100
226 28.1 22.6 34.0
229 21.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

ClientSampleId :

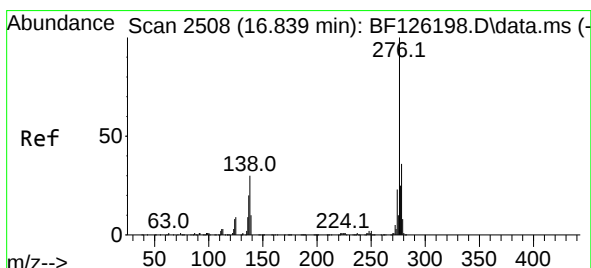
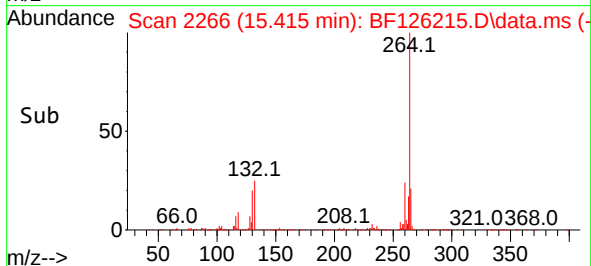
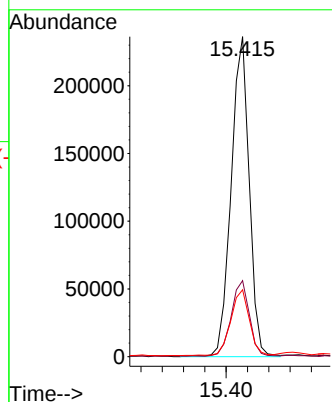
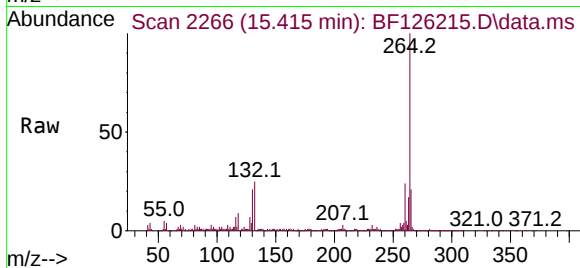
Tgt Ion:264 Resp: 278176

Ion Ratio Lower Upper

264 100

260 23.8 19.6 29.4

265 20.9 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.649 ng

RT: 16.827 min Scan# 2506

Delta R.T. -0.012 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

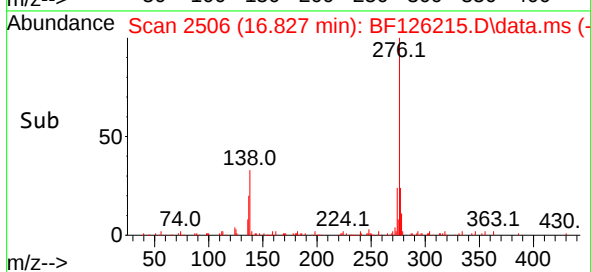
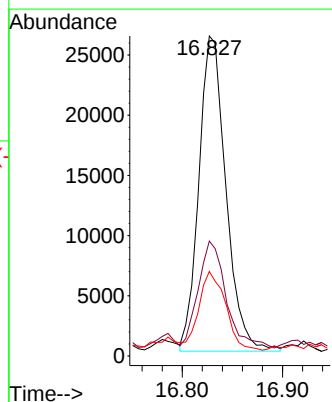
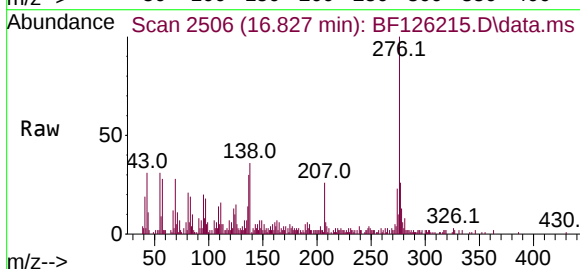
Tgt Ion:276 Resp: 49150

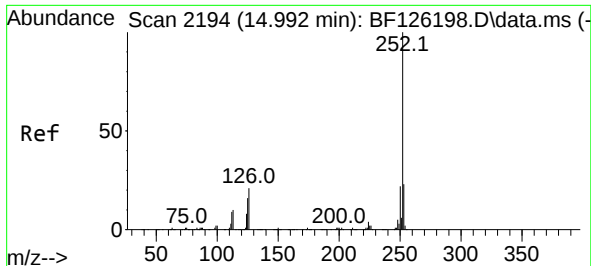
Ion Ratio Lower Upper

276 100

138 34.9 24.1 36.1

277 24.7 18.8 28.2

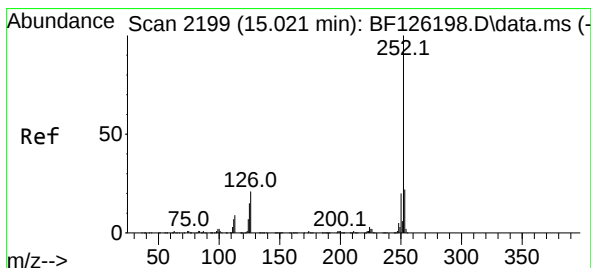
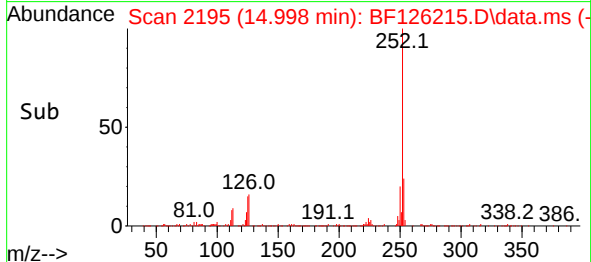
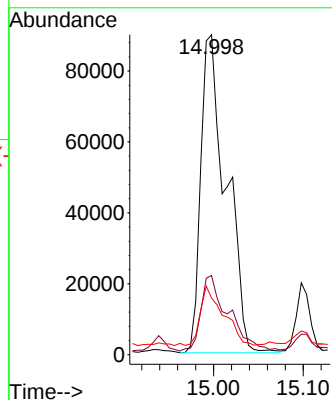
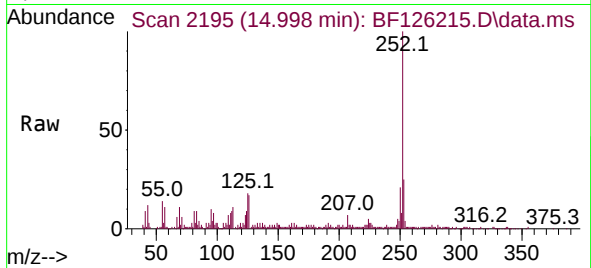




#88
Benzo(b)fluoranthene
Concen: 10.565 ng
RT: 14.998 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

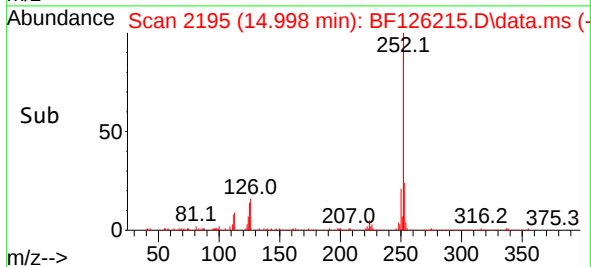
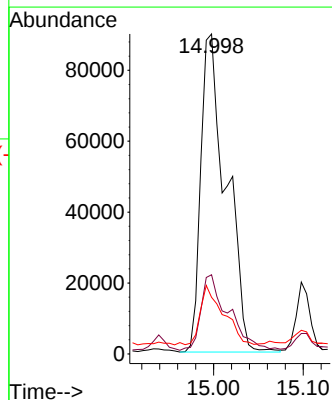
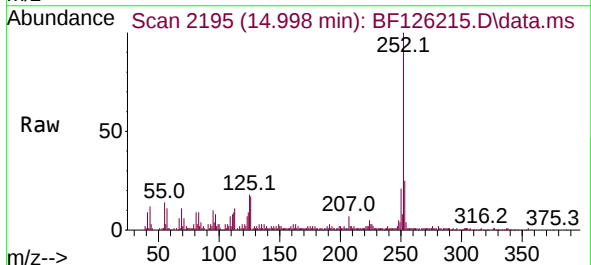
Instrument :
BNA_F
ClientSampleId :

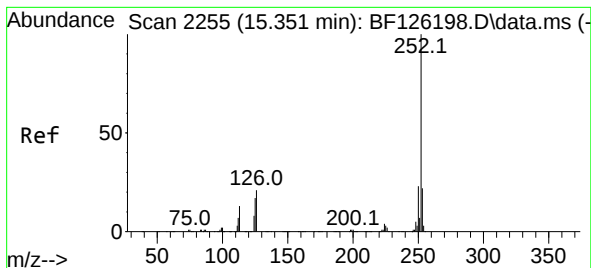
Tgt Ion:252 Resp: 176595
Ion Ratio Lower Upper
252 100
253 24.8 16.8 25.2
125 17.7 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 11.045 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.023 min
Lab File: BF126215.D
Acq: 16 Dec 2021 16:59

Tgt Ion:252 Resp: 176595
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 17.7 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 6.635 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF126215.D

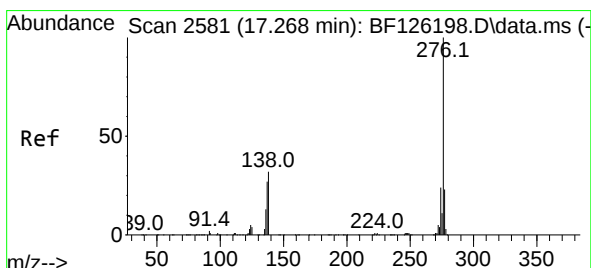
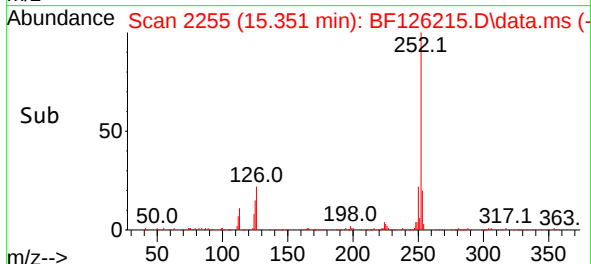
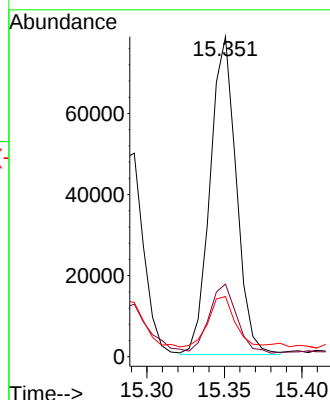
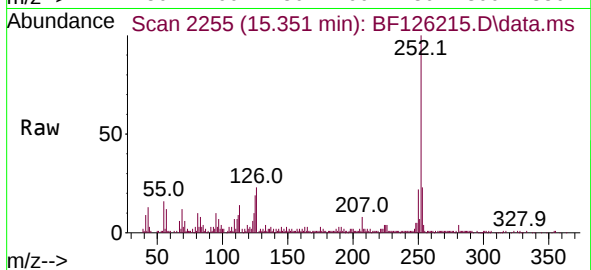
Acq: 16 Dec 2021 16:59

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252	Resp:	92167
Ion Ratio	Lower	Upper
252	100	
253	22.7	18.4 27.6
125	18.8	9.9 14.9#



#92

Benzo(g,h,i)perylene

Concen: 3.026 ng

RT: 17.256 min Scan# 2579

Delta R.T. -0.012 min

Lab File: BF126215.D

Acq: 16 Dec 2021 16:59

Tgt Ion:276	Resp:	47226
Ion Ratio	Lower	Upper
276	100	
277	20.7	22.0 33.0#
138	35.0	22.2 33.4#

