

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126229.D
 Acq On : 17 Dec 2021 11:50
 Operator : JU/CG
 Sample : M5083-17
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 17 12:15:30 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)

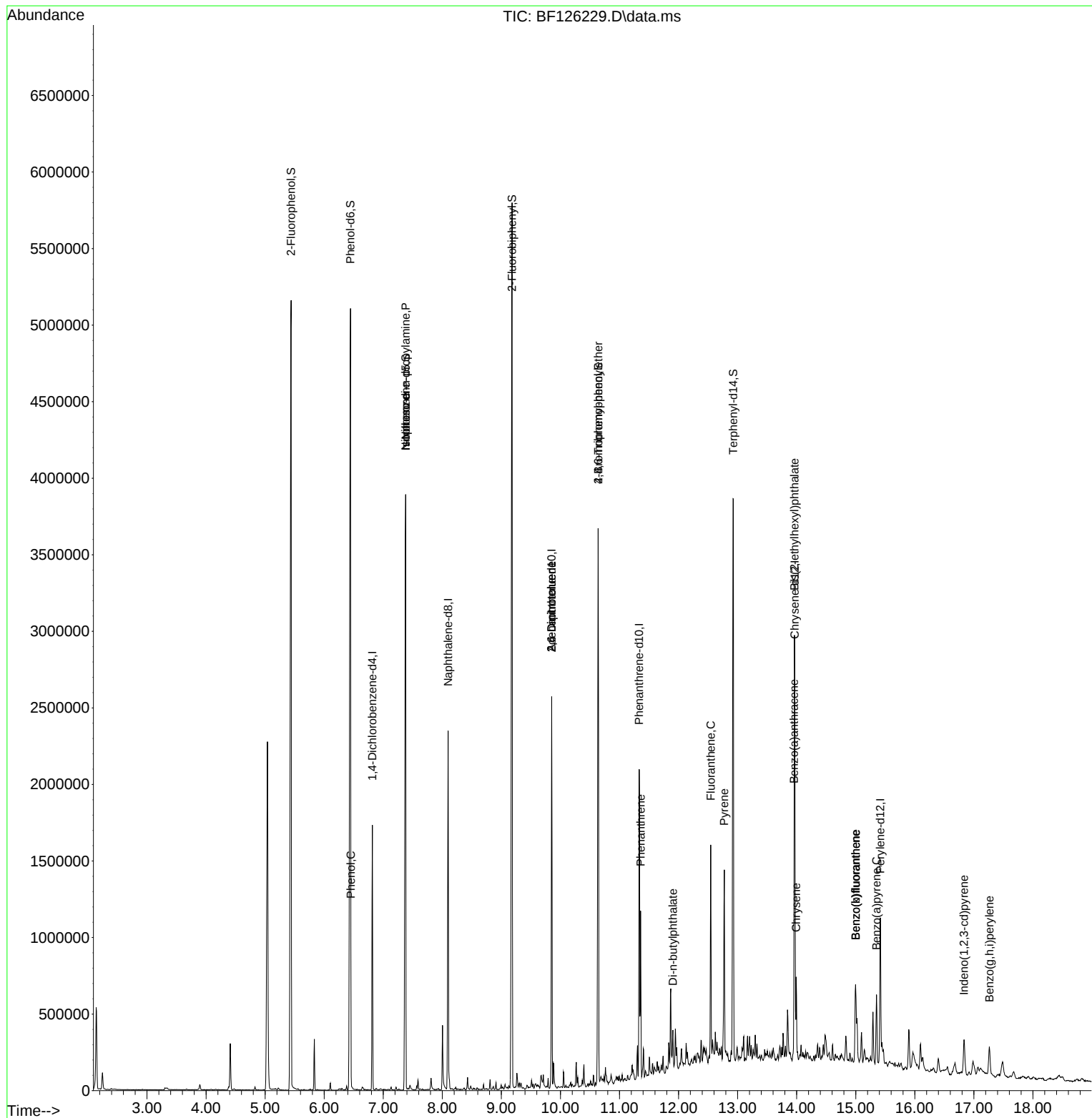
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	233112	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	1021748	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	479186	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	716742	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	340878	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	381068	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	1825593	115.329	ng	0.02
7) Phenol-d6	6.445	99	2324859	115.668	ng	0.00
23) Nitrobenzene-d5	7.380	82	1561135	82.750	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	449459	116.714	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1945971	71.225	ng	0.00
79) Terphenyl-d14	12.927	244	1356028	69.143	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.451	94	45530	2.018	ng	98
19) n-Nitroso-di-n-propyla...	7.380	70	200876	16.280	ng	# 53
25) Isophorone	7.380	82	1486633	41.729	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	62531	9.518	ng	# 28
57) 2,4-Dinitrotoluene	9.851	165	62531	7.461	ng	# 20
67) 4-Bromophenyl-phenylether	10.639	248	24212	3.599	ng	# 1
71) Phenanthrene	11.357	178	335287	9.063	ng	98
74) Di-n-butylphthalate	11.904	149	91401	2.062	ng	99
75) Fluoranthene	12.545	202	492766	14.784	ng	91
78) Pyrene	12.774	202	458462	14.639	ng	98
81) Benzo(a)anthracene	13.957	228	183298	9.078	ng	95
83) Chrysene	13.992	228	187817	8.953	ng	96
84) Bis(2-ethylhexyl)phtha...	13.962	149	436333	26.495	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.833	276	135915	5.347	ng	97
88) Benzo(b)fluoranthene	14.998	252	355255	15.516	ng	# 92
89) Benzo(k)fluoranthene	14.998	252	355255	16.219	ng	# 92
90) Benzo(a)pyrene	15.351	252	195807	10.289	ng	# 95
92) Benzo(g,h,i)perylene	17.262	276	131299	6.142	ng	93

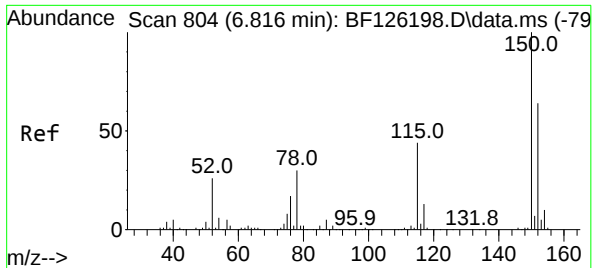
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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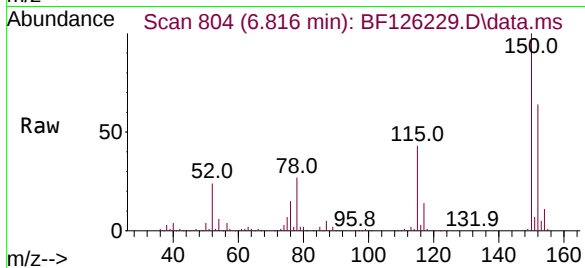
Quant Time: Dec 17 12:15:30 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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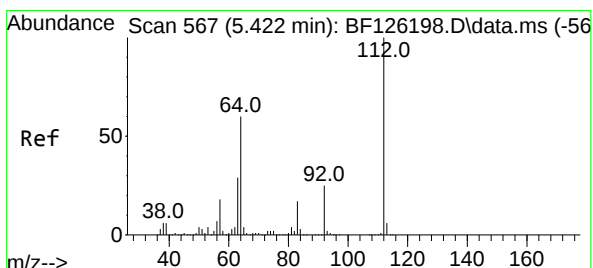
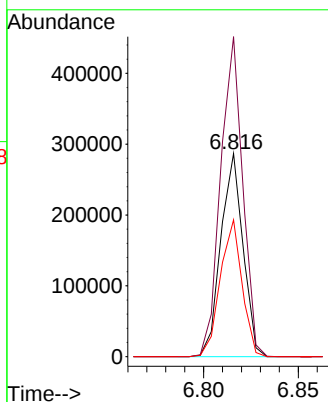
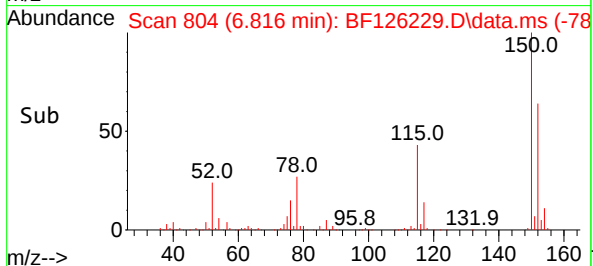


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. -0.000 min
 Lab File: BF126229.D
 Acq: 17 Dec 2021 11:50

Instrument :
 BNA_M
 ClientSampleId :

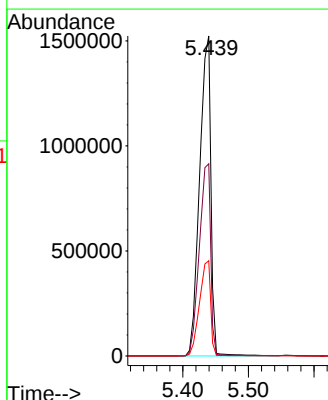
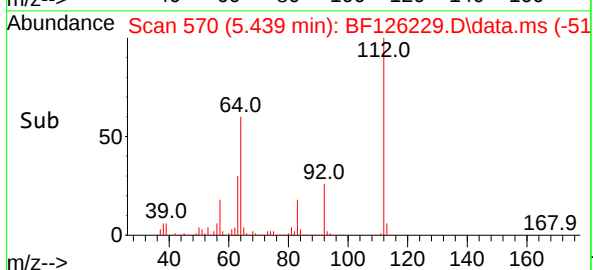
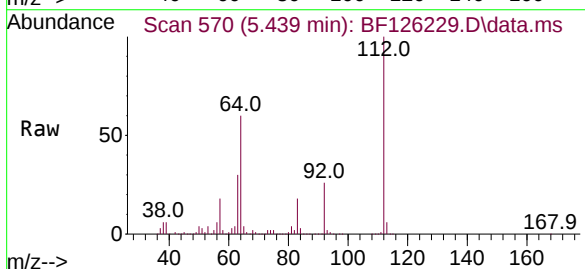


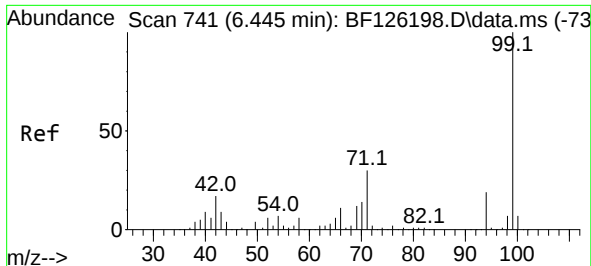
Tgt Ion:152 Resp: 233112
 Ion Ratio Lower Upper
 152 100
 150 157.5 117.6 176.4
 115 67.3 47.1 70.7



#5
 2-Fluorophenol
 Concen: 115.329 ng
 RT: 5.439 min Scan# 570
 Delta R.T. 0.018 min
 Lab File: BF126229.D
 Acq: 17 Dec 2021 11:50

Tgt Ion:112 Resp: 1825593
 Ion Ratio Lower Upper
 112 100
 64 60.1 44.2 66.2
 63 29.7 26.2 39.2

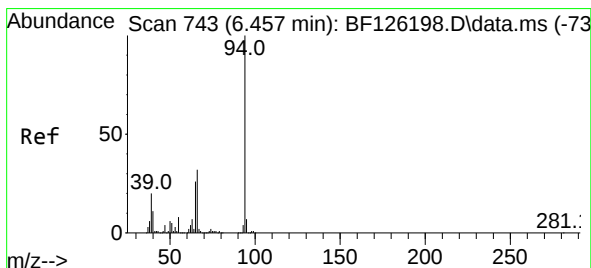
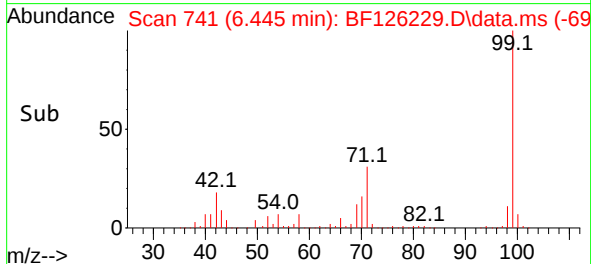
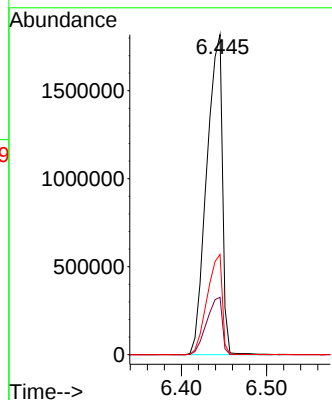
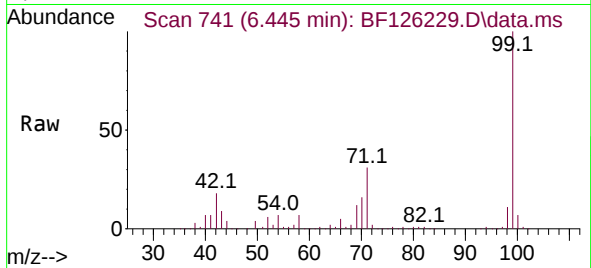




#7
Phenol-d6
Concen: 115.668 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

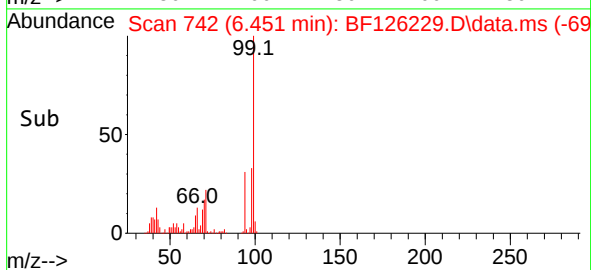
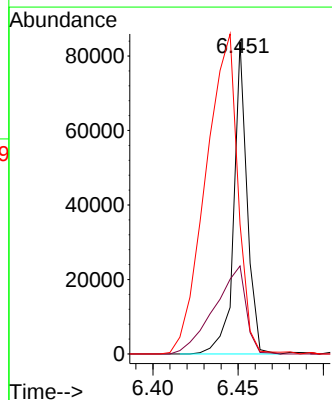
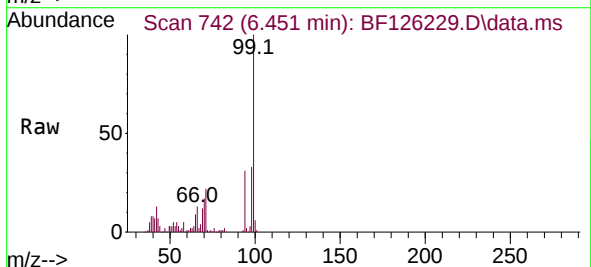
Instrument :
BNA_M
ClientSampleId :

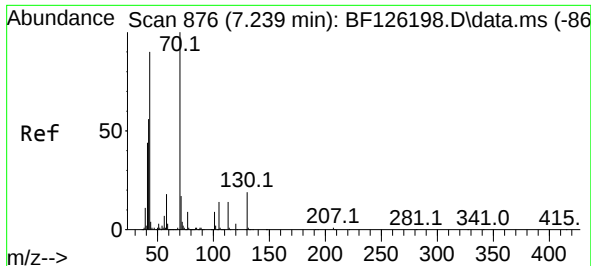
Tgt Ion: 99 Resp: 2324859
Ion Ratio Lower Upper
99 100
42 18.0 23.5 35.3#
71 31.3 25.6 38.4



#10
Phenol
Concen: 2.018 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

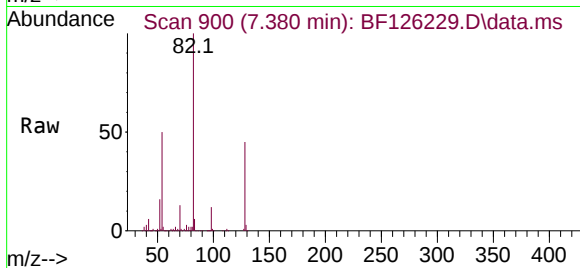
Tgt Ion: 94 Resp: 45530
Ion Ratio Lower Upper
94 100
65 28.2 9.3 49.3
66 41.6 20.3 60.3



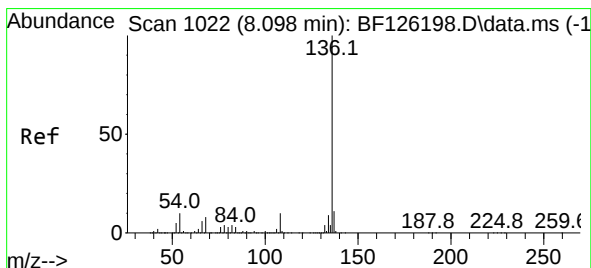
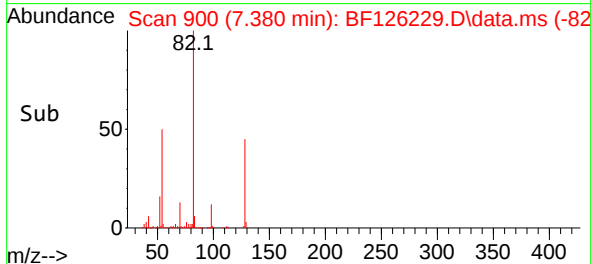
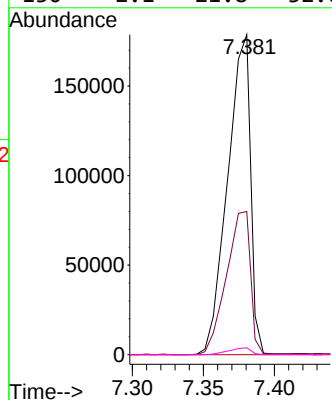


#19
n-Nitroso-di-n-propylamine
Concen: 16.280 ng
RT: 7.380 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

Instrument :
BNA_M
ClientSampleId :

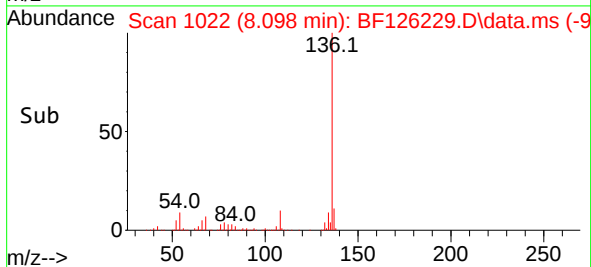
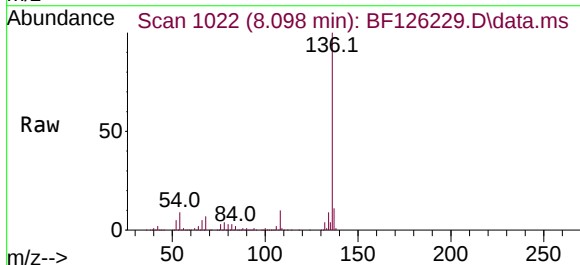
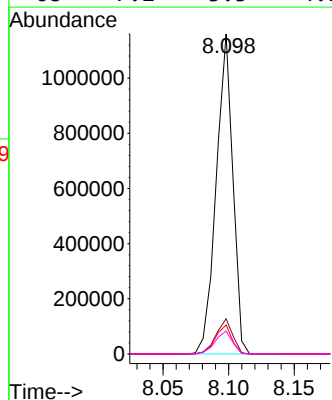


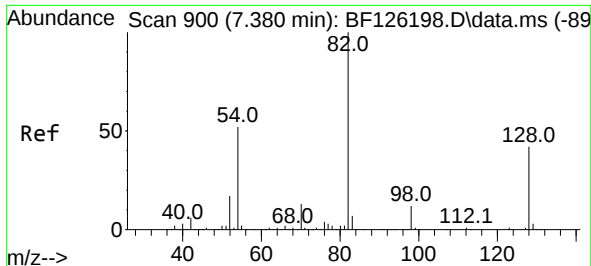
Tgt Ion: 70 Resp: 200876
Ion Ratio Lower Upper
70 100
42 44.8 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

Tgt Ion: 136 Resp: 1021748
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 9.1 6.4 9.6
68 7.2 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 82.750 ng

RT: 7.380 min Scan# 900

Delta R.T. 0.000 min

Lab File: BF126229.D

Acq: 17 Dec 2021 11:50

Instrument :

BNA_M

ClientSampleId :

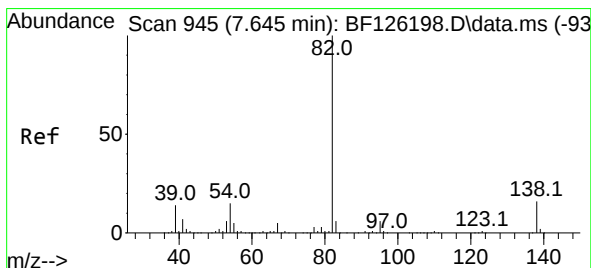
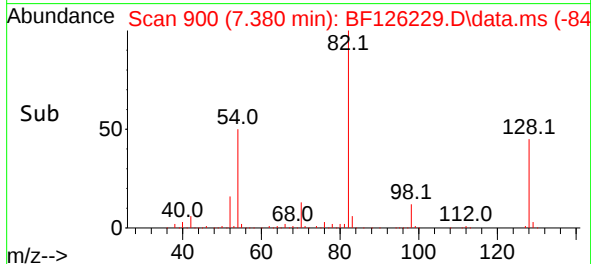
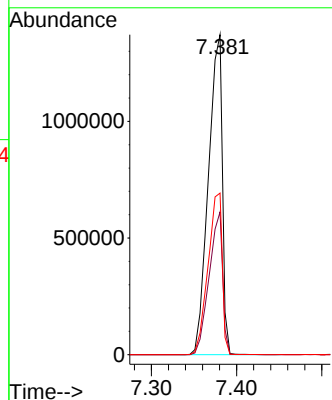
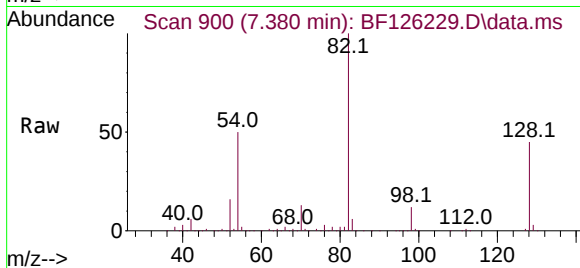
Tgt Ion: 82 Resp: 1561135

Ion Ratio Lower Upper

82 100

128 44.6 40.6 60.8

54 50.5 49.6 74.4



#25

Isophorone

Concen: 41.729 ng

RT: 7.380 min Scan# 900

Delta R.T. -0.265 min

Lab File: BF126229.D

Acq: 17 Dec 2021 11:50

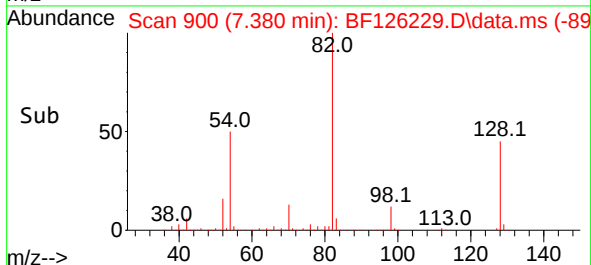
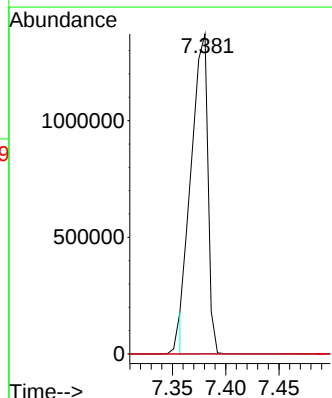
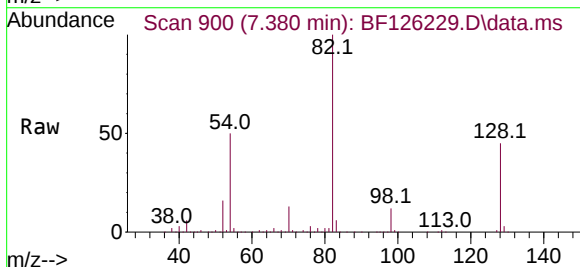
Tgt Ion: 82 Resp: 1486633

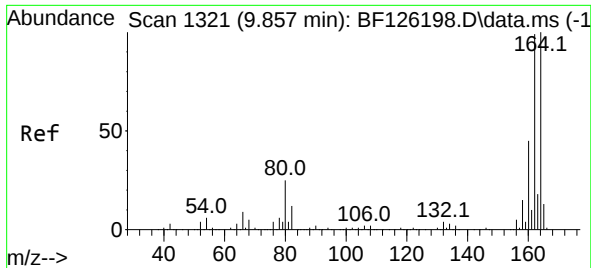
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

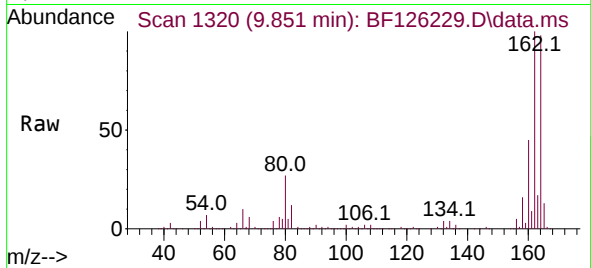
138 0.0 18.4 27.6#



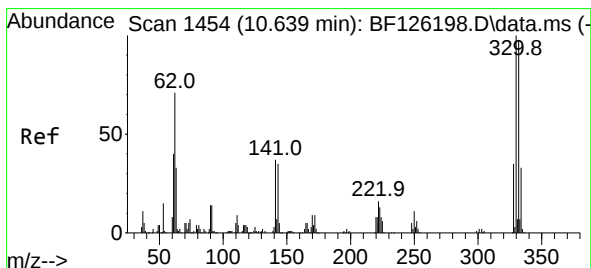
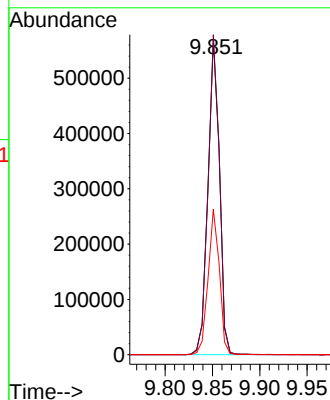
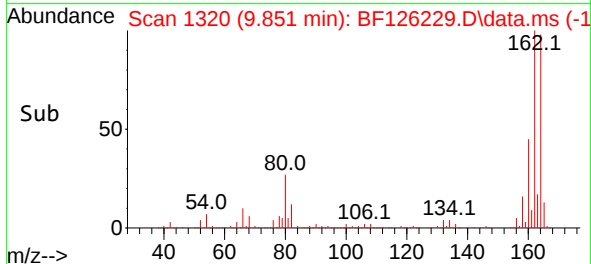


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

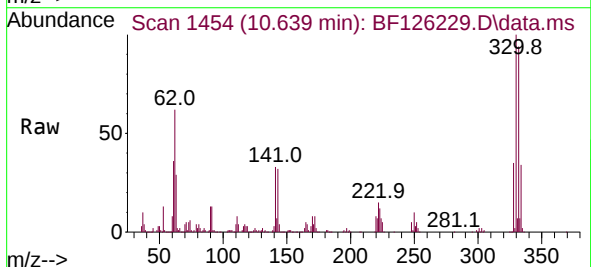
Instrument :
BNA_M
ClientSampleId :



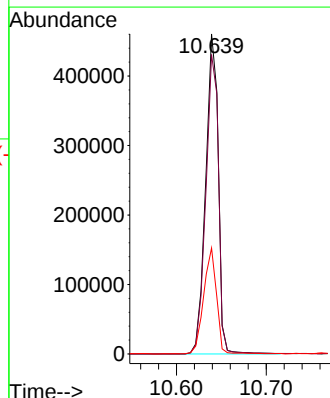
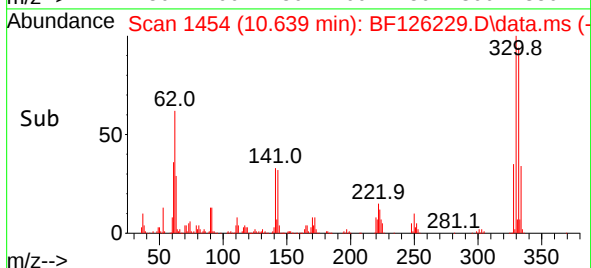
Tgt Ion:164 Resp: 479186
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 46.2 38.0 57.0

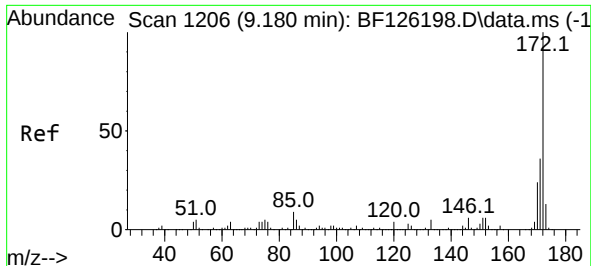


#42
2,4,6-Tribromophenol
Concen: 116.714 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50



Tgt Ion:330 Resp: 449459
Ion Ratio Lower Upper
330 100
332 95.0 76.2 114.4
141 34.1 44.6 66.8#

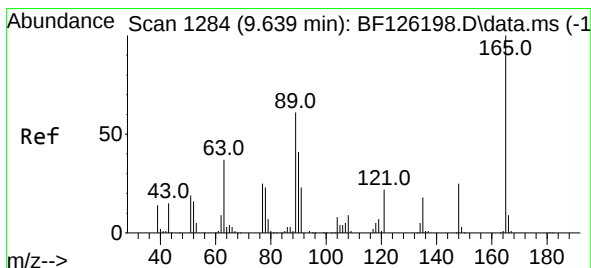
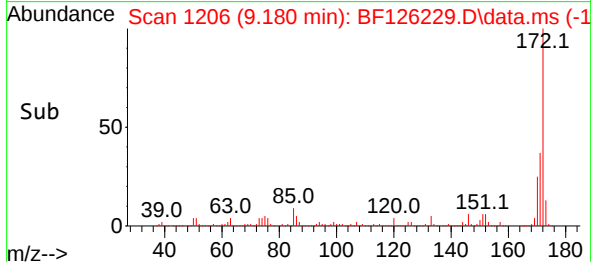
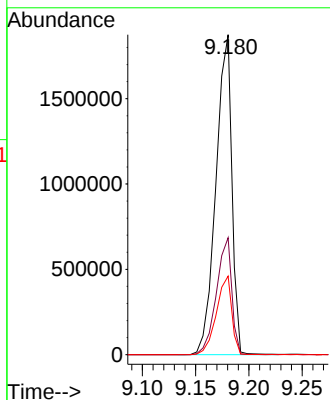
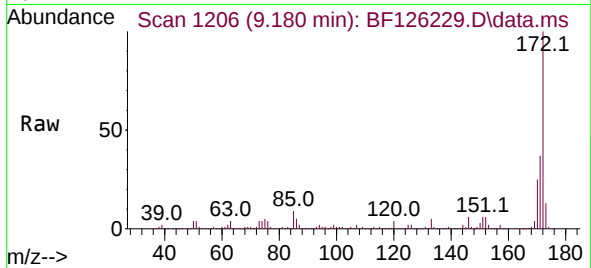




#45
2-Fluorobiphenyl
Concen: 71.225 ng
RT: 9.180 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

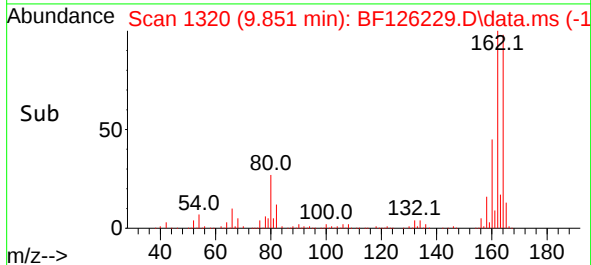
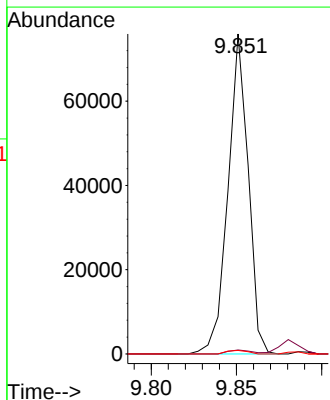
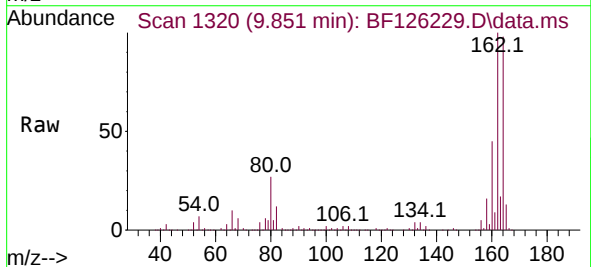
Instrument :
BNA_M
ClientSampleId :

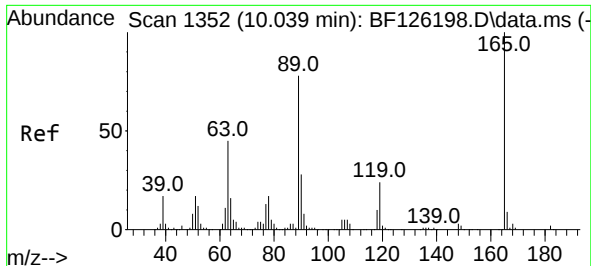
Tgt Ion:172 Resp: 1945971
Ion Ratio Lower Upper
172 100
171 36.6 26.5 39.7
170 24.5 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.518 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

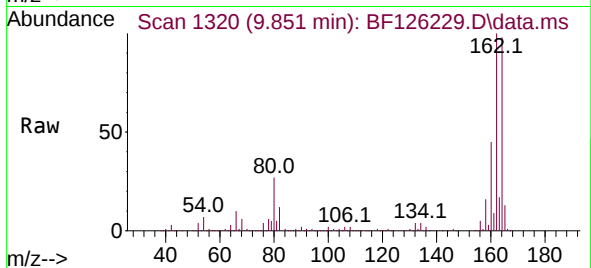
Tgt Ion:165 Resp: 62531
Ion Ratio Lower Upper
165 100
63 1.2 42.6 63.8#
89 1.1 40.6 60.8#



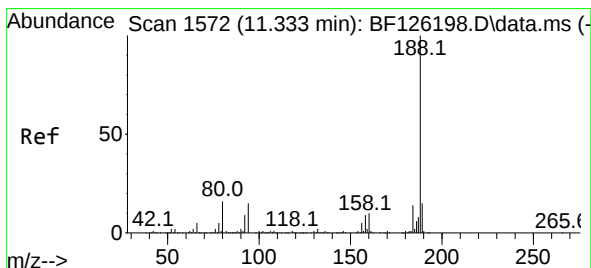
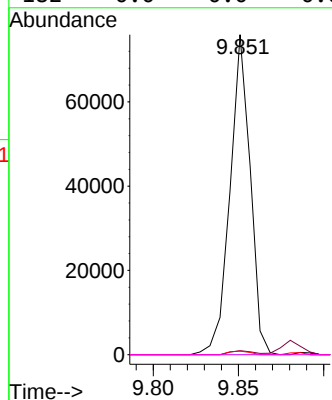
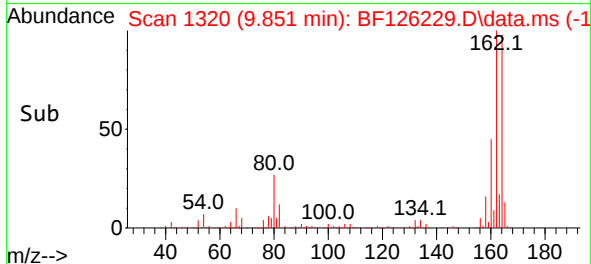


#57
2,4-Dinitrotoluene
Concen: 7.461 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

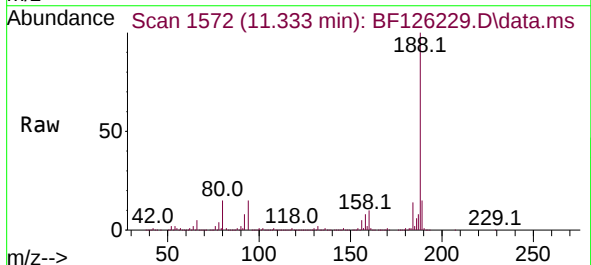
Instrument :
BNA_M
ClientSampleId :



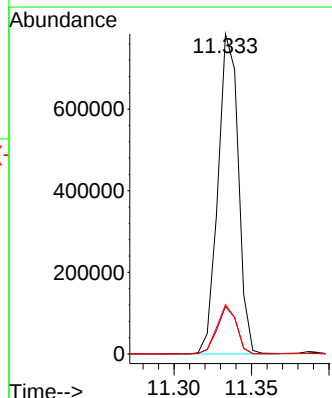
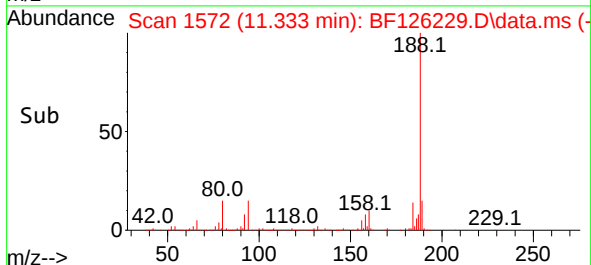
Tgt Ion:165 Resp: 62531
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 1.1 59.7 89.5#
182 0.0 0.0 0.0

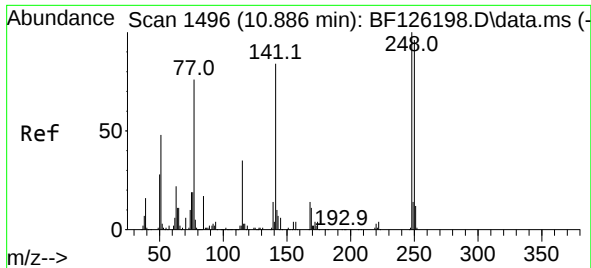


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50



Tgt Ion:188 Resp: 716742
Ion Ratio Lower Upper
188 100
94 14.8 6.7 10.1#
80 15.4 7.5 11.3#

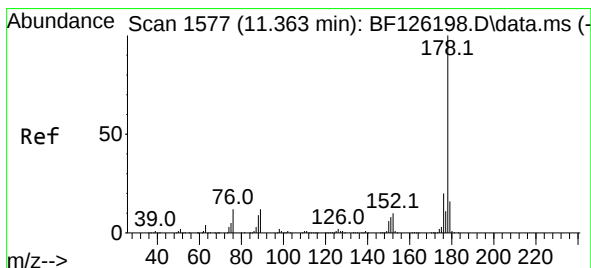
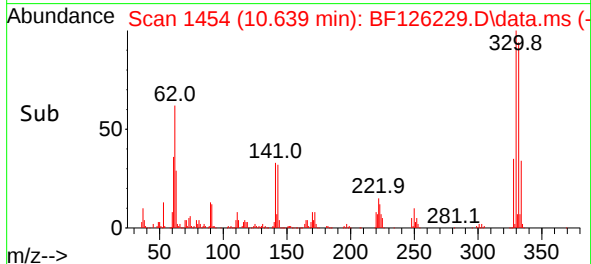
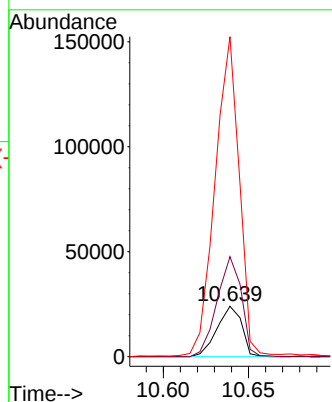
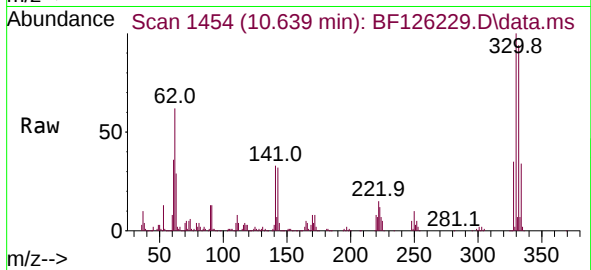




#67
4-Bromophenyl-phenylether
Concen: 3.599 ng
RT: 10.639 min Scan# 1496
Delta R.T. -0.247 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

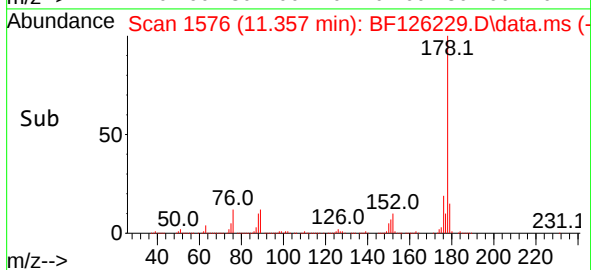
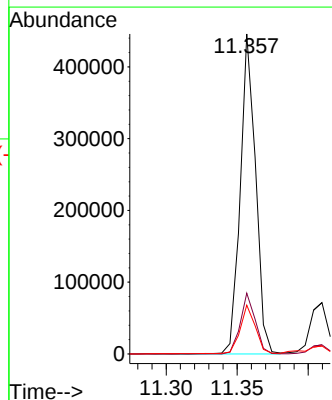
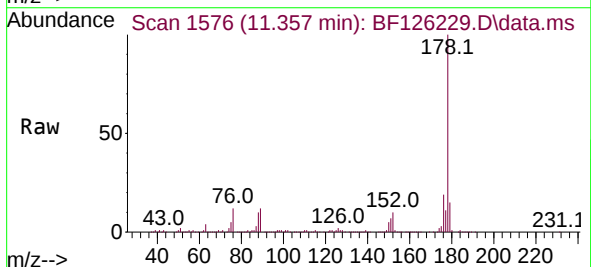
Instrument :
BNA_M
ClientSampleId :

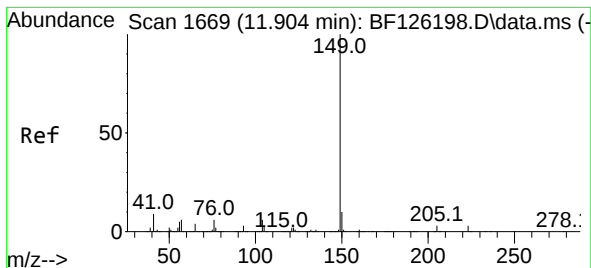
Tgt Ion:248 Resp: 24212
Ion Ratio Lower Upper
248 100
250 198.6 74.2 111.4#
141 635.0 60.4 90.6#



#71
Phenanthrene
Concen: 9.063 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

Tgt Ion:178 Resp: 335287
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.2 11.5 17.3

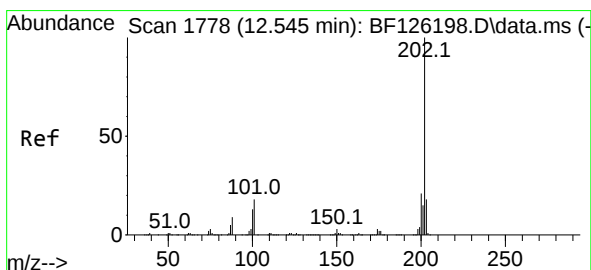
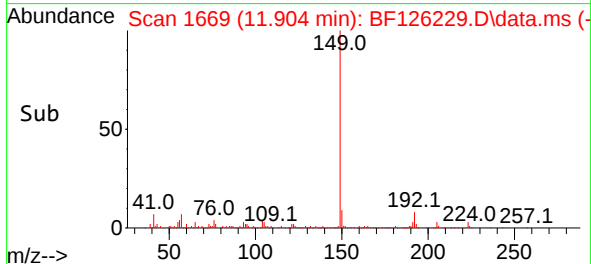
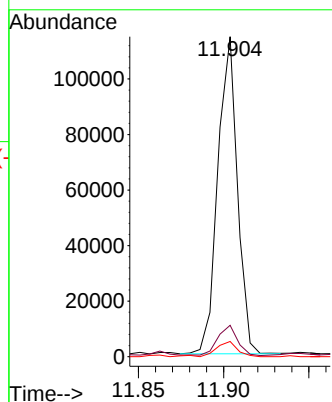
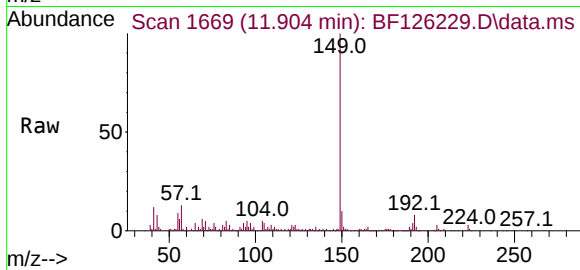




#74
Di-n-butylphthalate
Concen: 2.062 ng
RT: 11.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

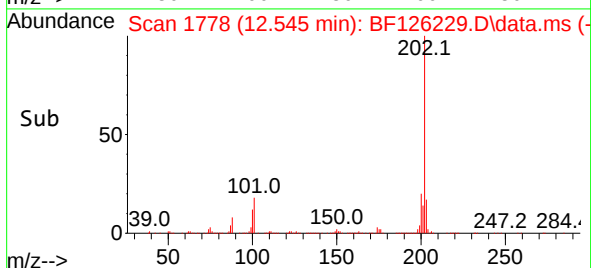
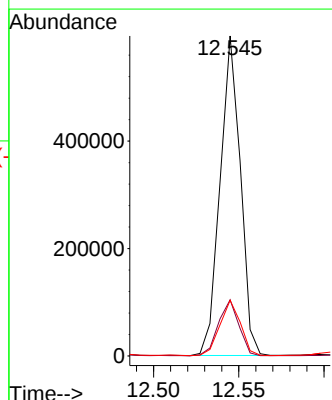
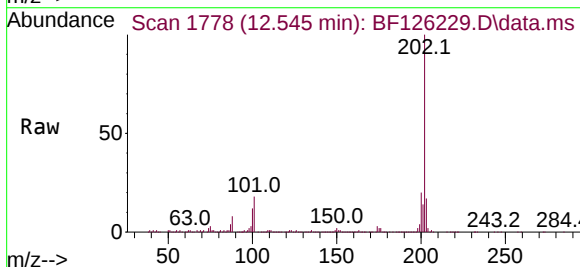
Instrument :
BNA_M
ClientSampleId :

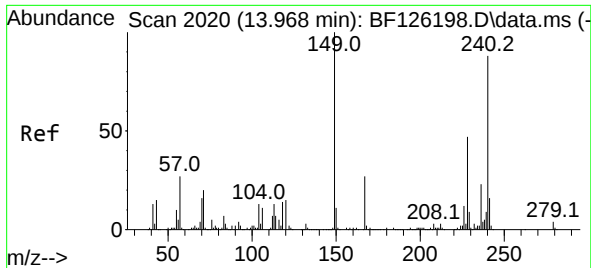
Tgt Ion:149 Resp: 91401
Ion Ratio Lower Upper
149 100
150 9.8 7.4 11.2
104 4.8 4.1 6.1



#75
Fluoranthene
Concen: 14.784 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

Tgt Ion:202 Resp: 492766
Ion Ratio Lower Upper
202 100
101 17.6 0.0 30.7
203 17.4 0.0 36.3

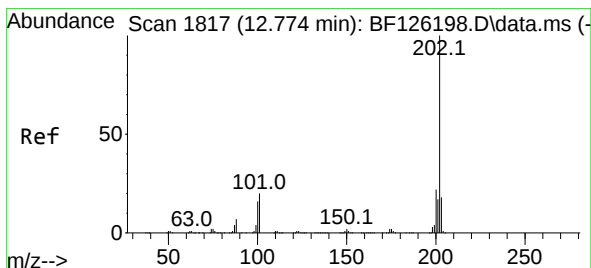
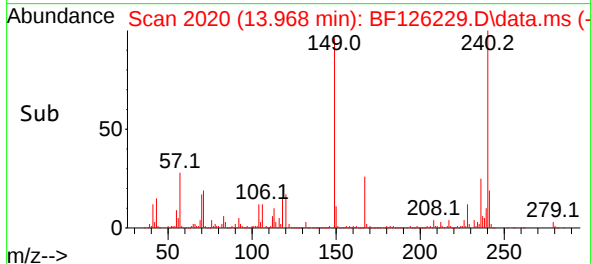
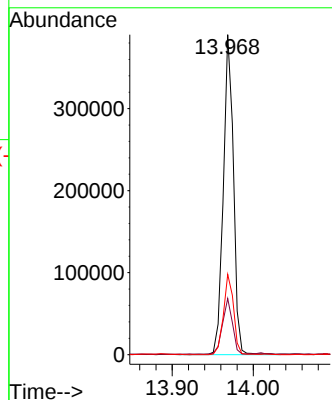
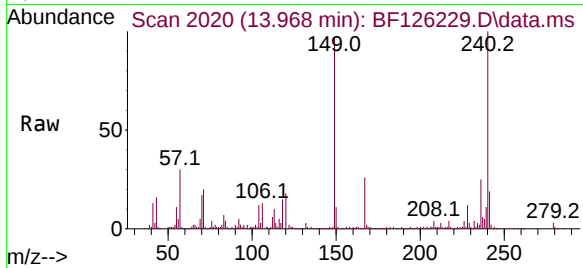




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

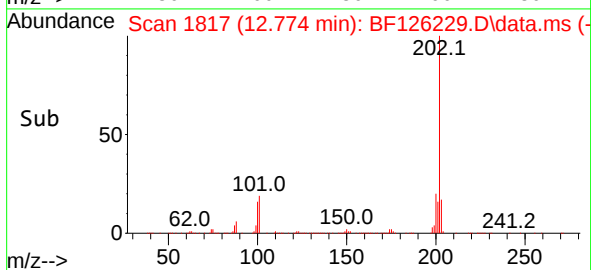
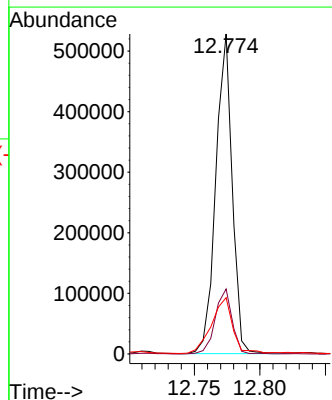
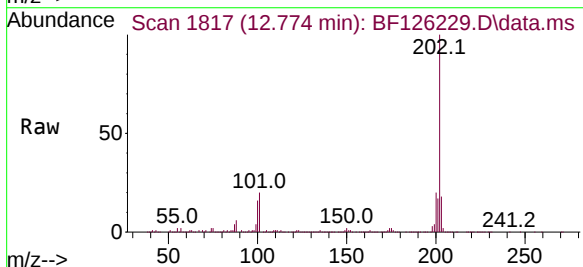
Instrument :
BNA_M
ClientSampleId :

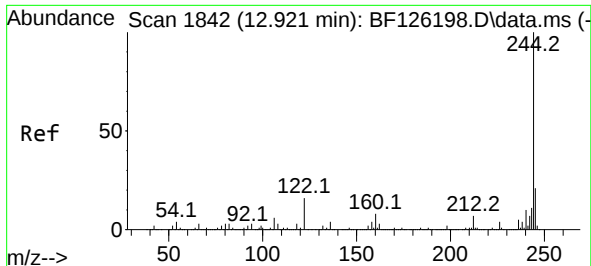
Tgt Ion:240 Resp: 340878
Ion Ratio Lower Upper
240 100
120 17.6 10.8 16.2#
236 25.1 21.6 32.4



#78
Pyrene
Concen: 14.639 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126229.D
Acq: 17 Dec 2021 11:50

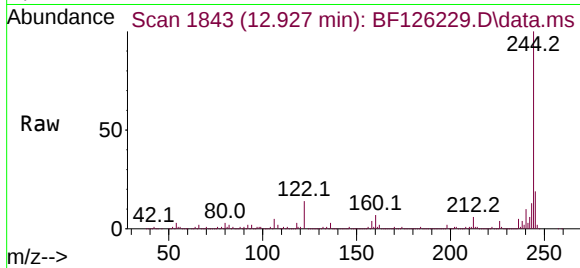
Tgt Ion:202 Resp: 458462
Ion Ratio Lower Upper
202 100
200 20.3 15.3 22.9
203 17.6 13.4 20.0





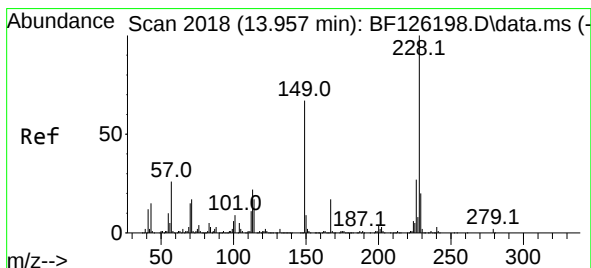
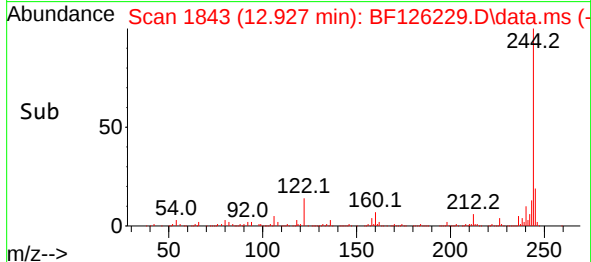
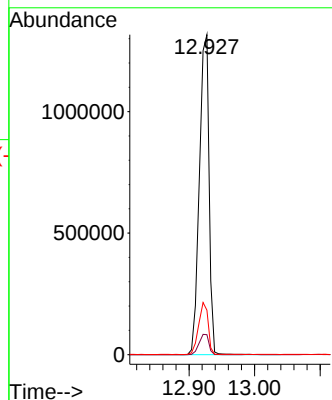
#79
 Terphenyl-d14
 Concen: 69.143 ng
 RT: 12.927 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF126229.D
 Acq: 17 Dec 2021 11:50

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:244 Resp: 1356028

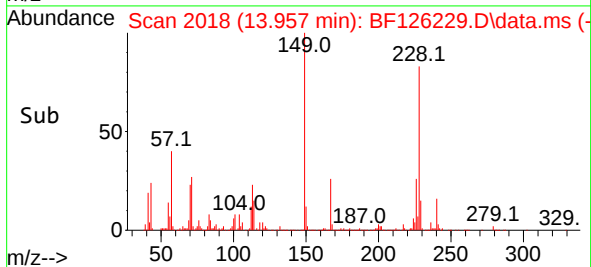
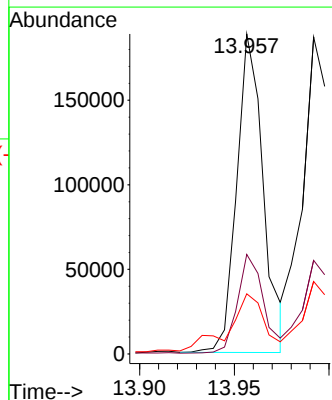
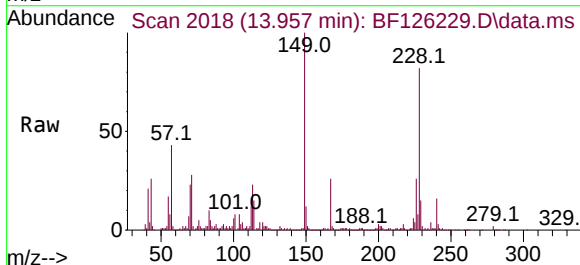
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.9	8.9
122	13.9	9.0	13.4

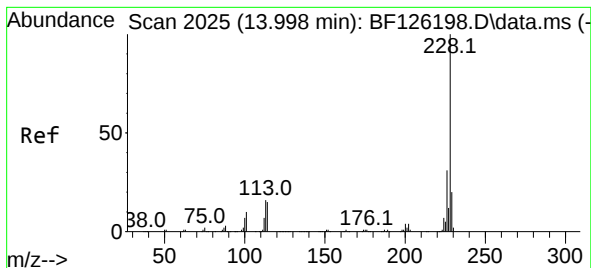


#81
 Benzo(a)anthracene
 Concen: 9.078 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: BF126229.D
 Acq: 17 Dec 2021 11:50

Tgt Ion:228 Resp: 183298

Ion	Ratio	Lower	Upper
228	100		
226	31.1	21.6	32.4
229	18.8	15.6	23.4





#83

Chrysene

Concen: 8.953 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF126229.D

Acq: 17 Dec 2021 11:50

Instrument :

BNA_M

ClientSampleId :

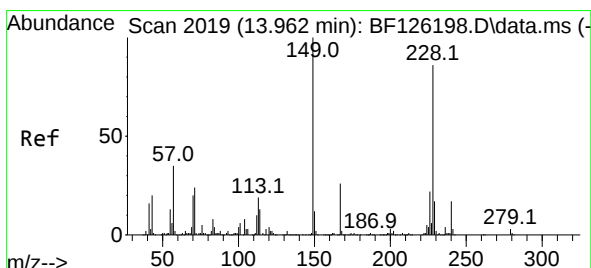
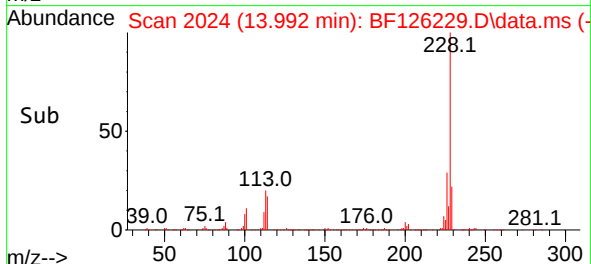
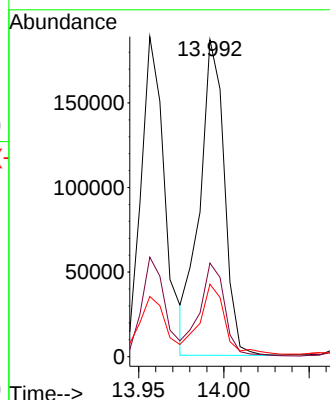
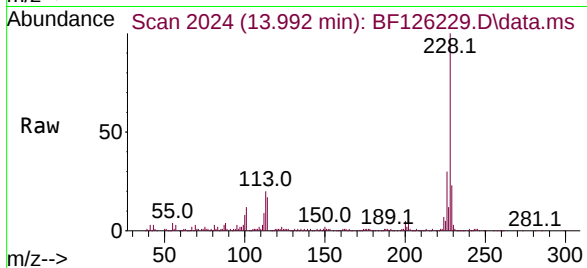
Tgt Ion:228 Resp: 187817

Ion Ratio Lower Upper

228 100

226 29.5 22.6 34.0

229 22.9 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 26.495 ng

RT: 13.962 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF126229.D

Acq: 17 Dec 2021 11:50

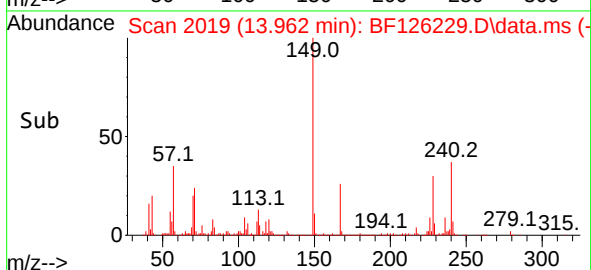
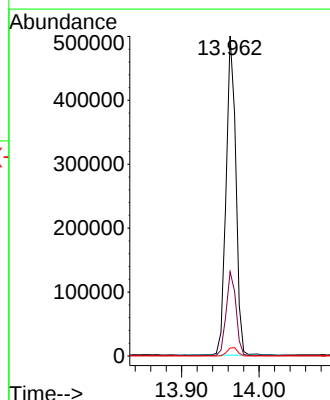
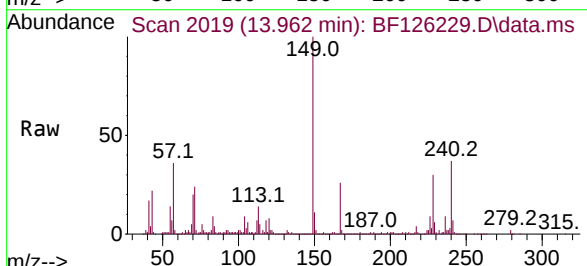
Tgt Ion:149 Resp: 436333

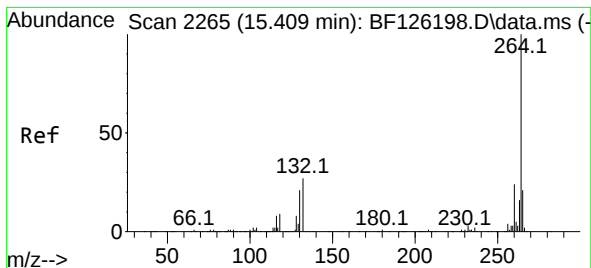
Ion Ratio Lower Upper

149 100

167 26.3 21.4 32.0

279 2.5 2.6 4.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF126229.D

Acq: 17 Dec 2021 11:50

Instrument :

BNA_M

ClientSampleId :

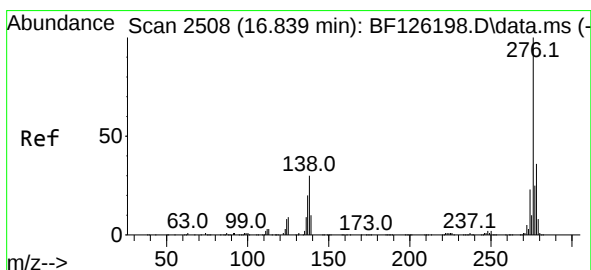
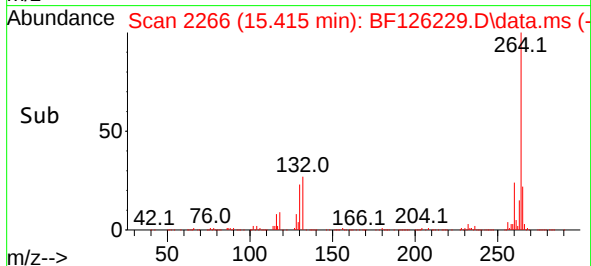
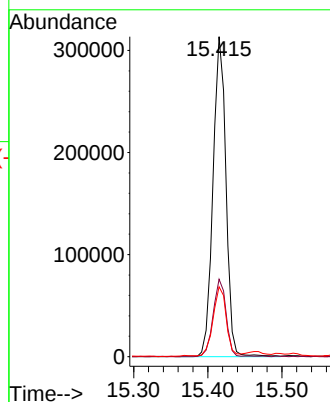
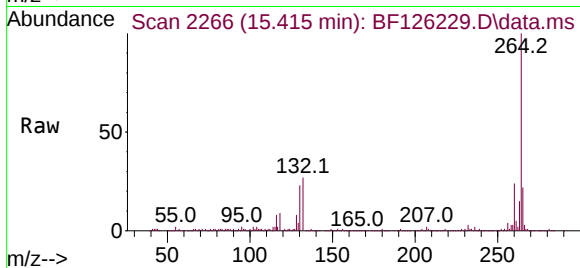
Tgt Ion:264 Resp: 381068

Ion Ratio Lower Upper

264 100

260 24.2 19.6 29.4

265 21.9 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.347 ng

RT: 16.833 min Scan# 2507

Delta R.T. -0.006 min

Lab File: BF126229.D

Acq: 17 Dec 2021 11:50

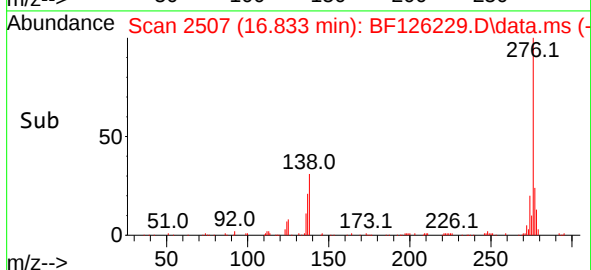
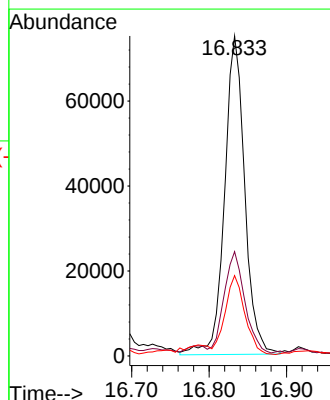
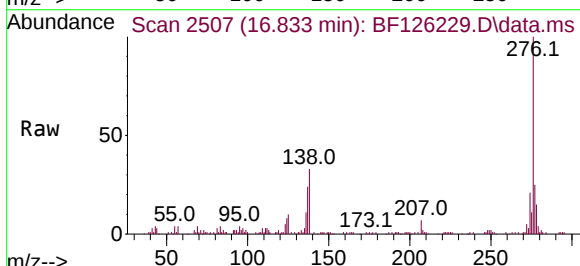
Tgt Ion:276 Resp: 135915

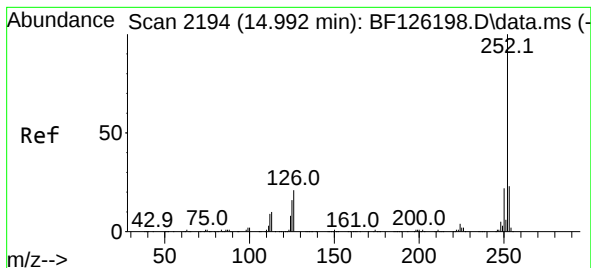
Ion Ratio Lower Upper

276 100

138 32.5 24.1 36.1

277 24.6 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 15.516 ng

RT: 14.998 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF126229.D

Acq: 17 Dec 2021 11:50

Instrument :

BNA_M

ClientSampleId :

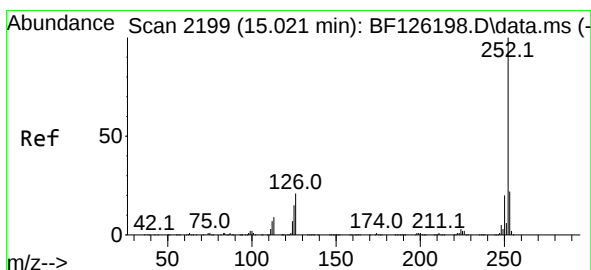
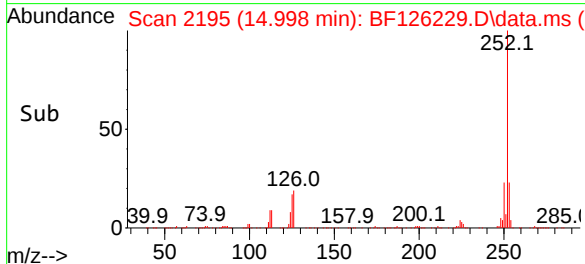
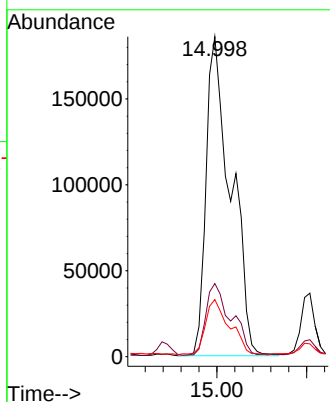
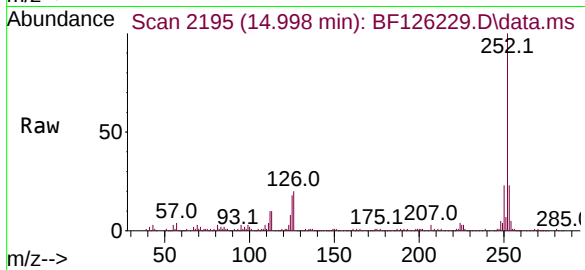
Tgt Ion:252 Resp: 355255

Ion Ratio Lower Upper

252 100

253 22.8 16.8 25.2

125 17.8 9.8 14.8#



#89

Benzo(k)fluoranthene

Concen: 16.219 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF126229.D

Acq: 17 Dec 2021 11:50

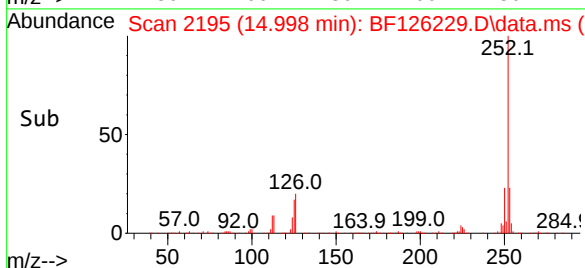
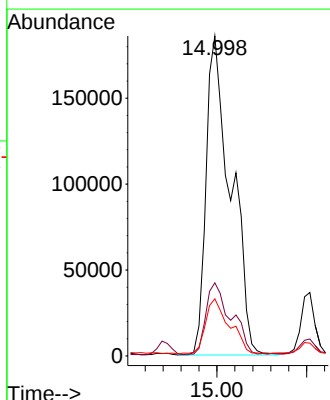
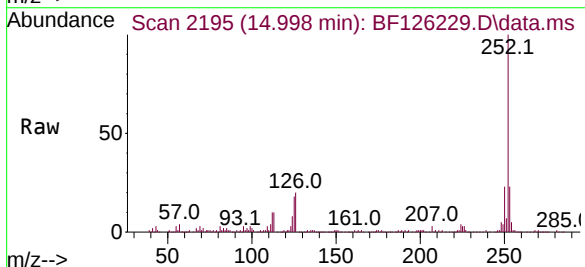
Tgt Ion:252 Resp: 355255

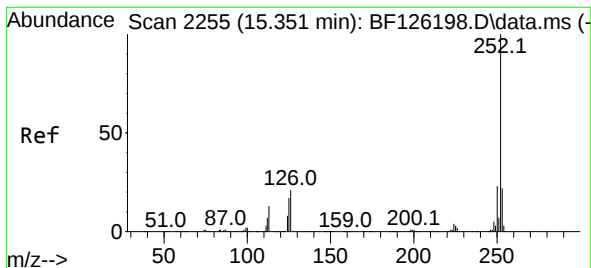
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 17.8 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 10.289 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.000 min

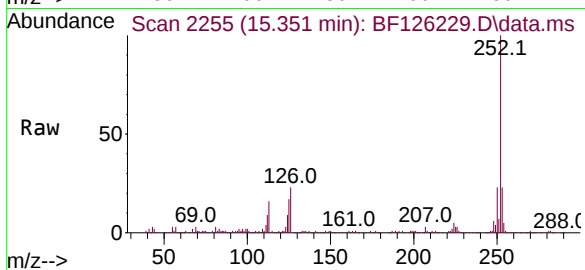
Lab File: BF126229.D

Acq: 17 Dec 2021 11:50

Instrument :

BNA_M

ClientSampleId :



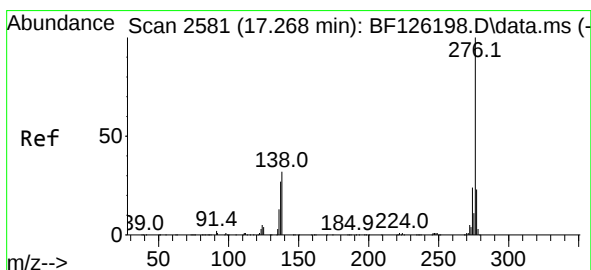
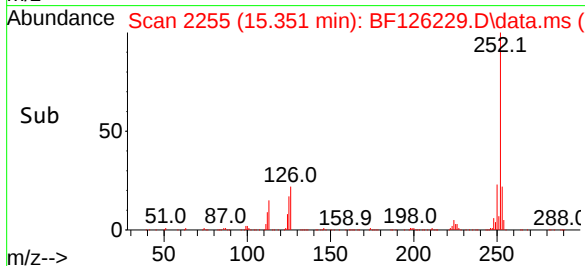
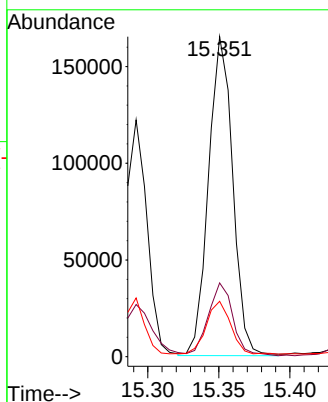
Tgt Ion:252 Resp: 195807

Ion Ratio Lower Upper

252 100

253 23.1 18.4 27.6

125 17.3 9.9 14.9#



#92

Benzo(g,h,i)perylene

Concen: 6.142 ng

RT: 17.262 min Scan# 2580

Delta R.T. -0.006 min

Lab File: BF126229.D

Acq: 17 Dec 2021 11:50

Tgt Ion:276 Resp: 131299

Ion Ratio Lower Upper

276 100

277 25.1 22.0 33.0

138 32.7 22.2 33.4

