

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126231.D
 Acq On : 17 Dec 2021 12:56
 Operator : JU/CG
 Sample : M5083-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 17 13:16:33 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)

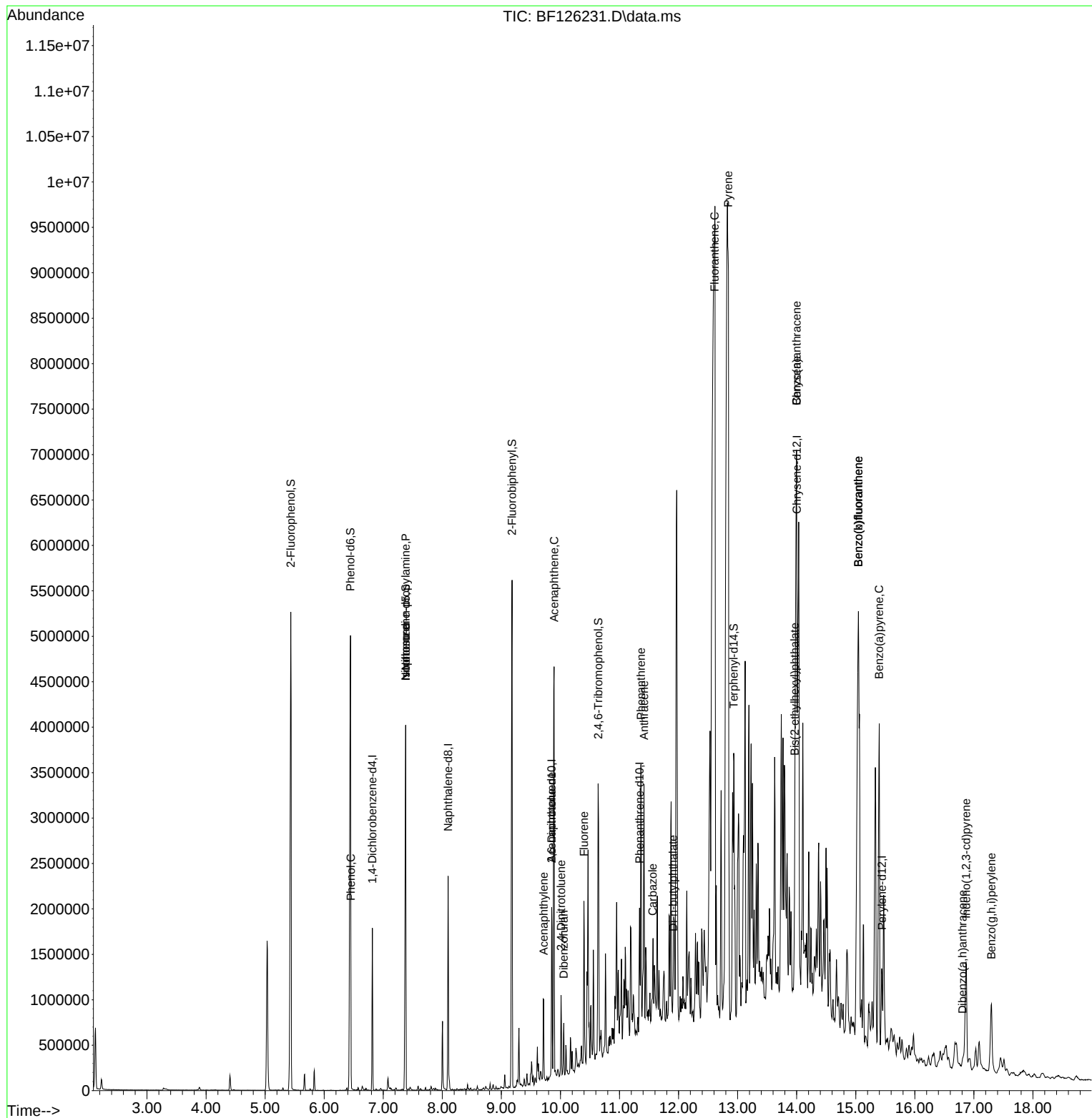
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	230178	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	932075	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	382221	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	461223	20.000	ng	# 0.00
76) Chrysene-d12	14.004	240	197940	20.000	ng	# 0.04
86) Perylene-d12	15.445	264	303874	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1806201	115.558	ng	0.01
7) Phenol-d6	6.445	99	2265170	114.135	ng	0.00
23) Nitrobenzene-d5	7.381	82	1464384	85.090	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	305991	99.616	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1738621	79.779	ng	0.00
79) Terphenyl-d14	12.933	244	1028316	90.297	ng	0.01
Target Compounds						Qvalue
10) Phenol	6.451	94	54749	2.458	ng	82
19) n-Nitroso-di-n-propyla...	7.381	70	186007	15.267	ng	# 55
25) Isophorone	7.381	82	1429797	43.995	ng	# 59
49) Acenaphthylene	9.716	152	397555	12.236	ng	98
51) 2,6-Dinitrotoluene	9.851	165	53915	10.288	ng	# 29
52) Acenaphthene	9.892	154	1093737	51.907	ng	99
55) Dibenzofuran	10.057	168	107597	3.751	ng	# 94
57) 2,4-Dinitrotoluene	10.010	165	25875	3.871	ng	# 46
58) Fluorene	10.398	166	480008	23.112	ng	98
71) Phenanthrene	11.363	178	1063926	44.693	ng	97
72) Anthracene	11.416	178	1048514	43.883	ng	99
73) Carbazole	11.563	167	219720	9.765	ng	97
74) Di-n-butylphthalate	11.910	149	62365	2.186	ng	# 86
75) Fluoranthene	12.610	202	12911539	601.996	ng	88
78) Pyrene	12.839	202	9885627	543.608	ng	# 84
81) Benzo(a)anthracene	13.998	228	4416113	376.644	ng	94
83) Chrysene	13.998	228	4416113	362.508	ng	96
84) Bis(2-ethylhexyl)phtha...	13.968	149	57031	5.964	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.868	276	764807	37.733	ng	94
88) Benzo(b)fluoranthene	15.045	252	5250183	287.549	ng	96
89) Benzo(k)fluoranthene	15.045	252	5250183	300.588	ng	# 96
90) Benzo(a)pyrene	15.398	252	2014271	132.736	ng	98
91) Dibenzo(a,h)anthracene	16.809	278	64566	3.919	ng	98
92) Benzo(g,h,i)perylene	17.298	276	569824	33.426	ng	92

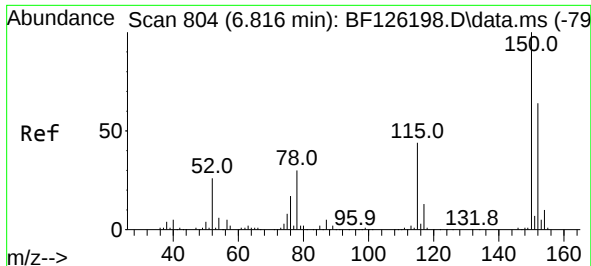
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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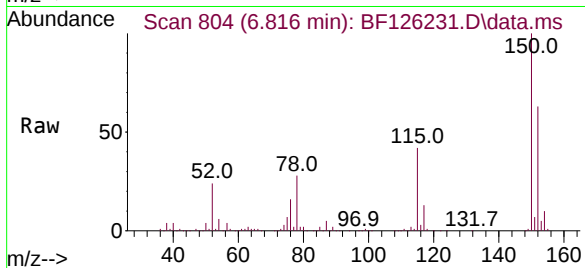
Quant Time: Dec 17 13:16:33 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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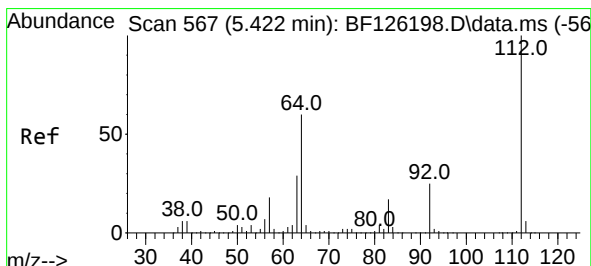
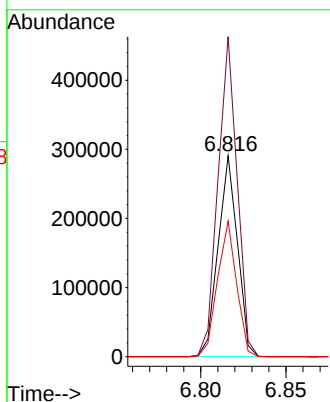
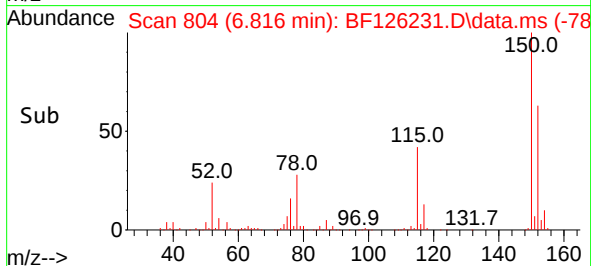


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

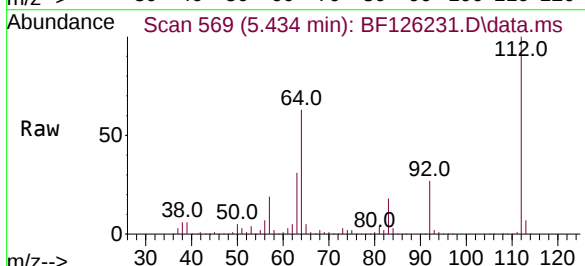
Instrument :
BNA_M
ClientSampleId :



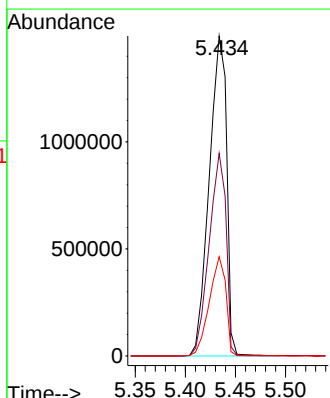
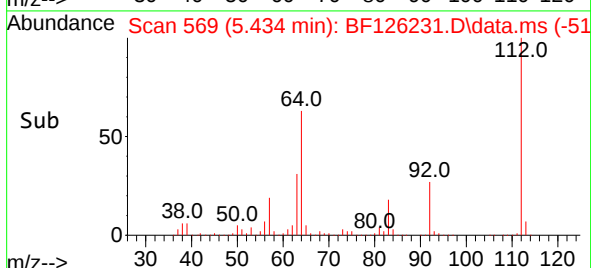
Tgt Ion:152 Resp: 230178
Ion Ratio Lower Upper
152 100
150 159.2 117.6 176.4
115 67.4 47.1 70.7

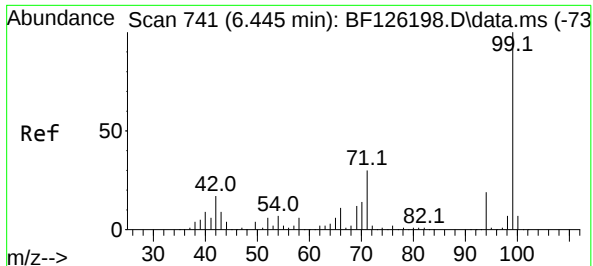


#5
2-Fluorophenol
Concen: 115.558 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56



Tgt Ion:112 Resp: 1806201
Ion Ratio Lower Upper
112 100
64 63.3 44.2 66.2
63 31.0 26.2 39.2





#7

Phenol-d6

Concen: 114.135 ng

RT: 6.445 min Scan# 741

Delta R.T. 0.000 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

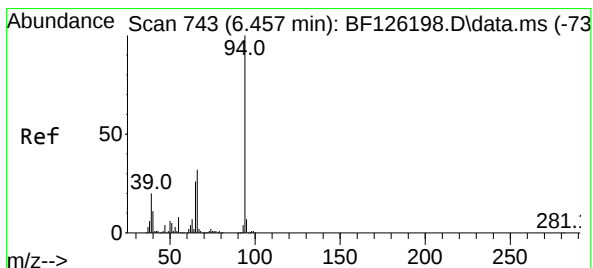
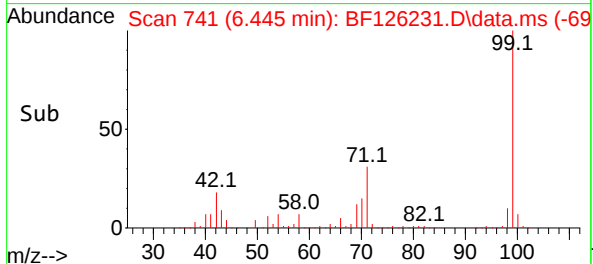
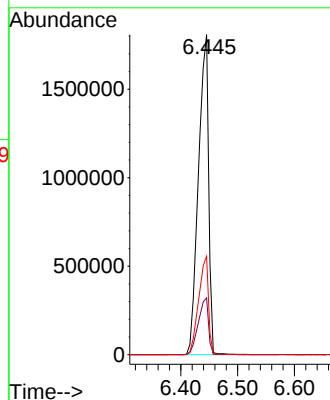
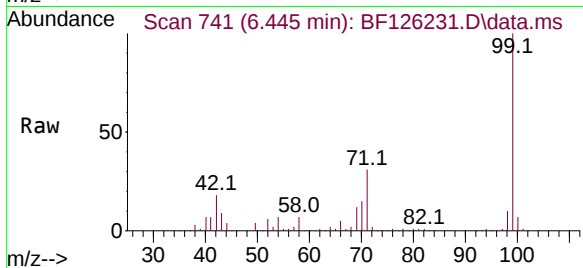
Instrument :

BNA_M

ClientSampleId :

Tgt Ion: 99 Resp: 2265170

Ion	Ratio	Lower	Upper
99	100		
42	17.8	23.5	35.3#
71	30.7	25.6	38.4



#10

Phenol

Concen: 2.458 ng

RT: 6.451 min Scan# 742

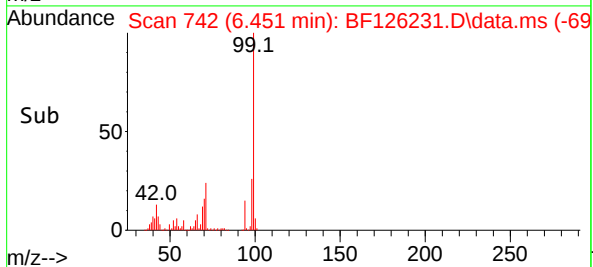
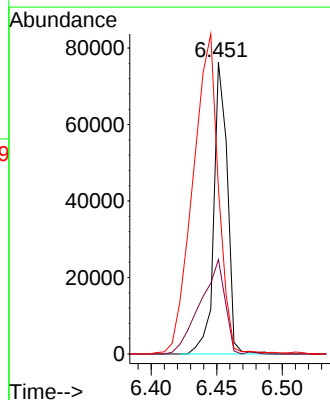
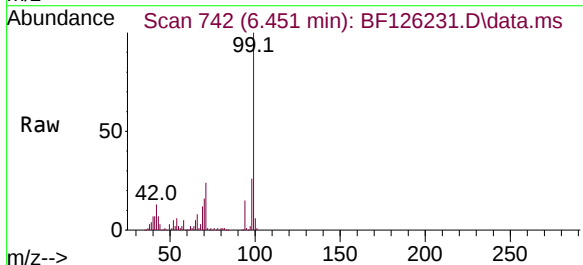
Delta R.T. -0.006 min

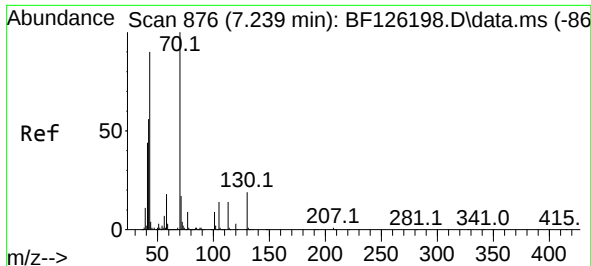
Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

Tgt Ion: 94 Resp: 54749

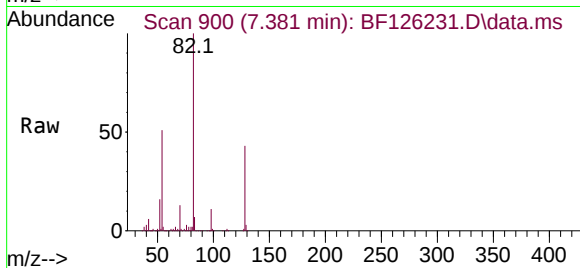
Ion	Ratio	Lower	Upper
94	100		
65	32.4	9.3	49.3
66	56.7	20.3	60.3



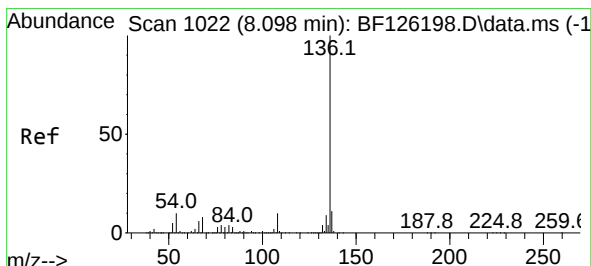
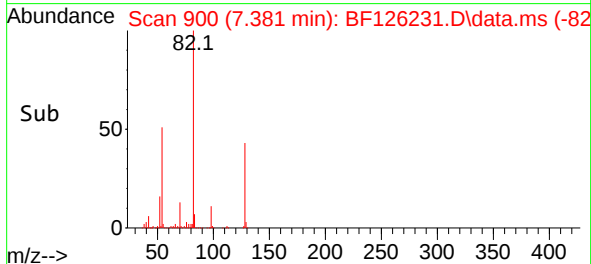
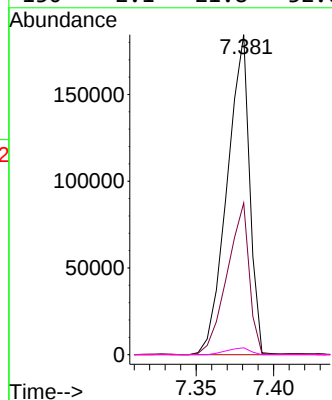


#19
n-Nitroso-di-n-propylamine
Concen: 15.267 ng
RT: 7.381 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Instrument :
BNA_M
ClientSampleId :

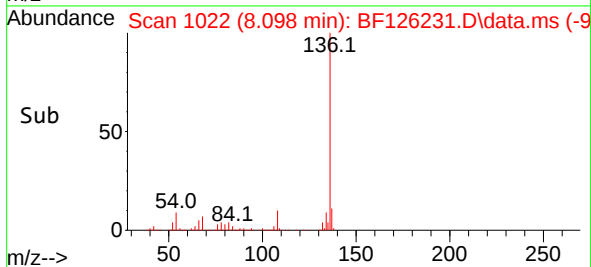
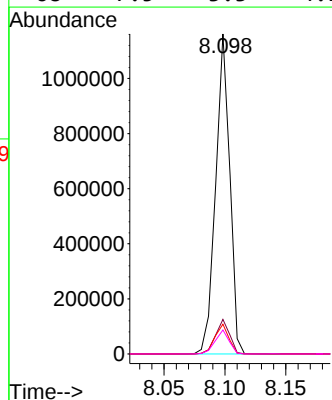
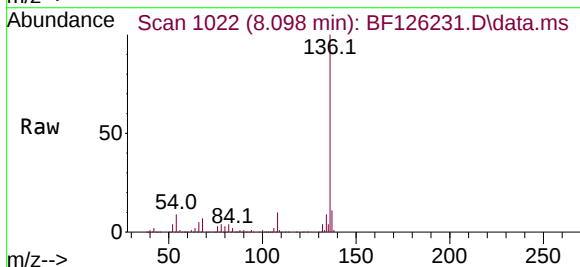


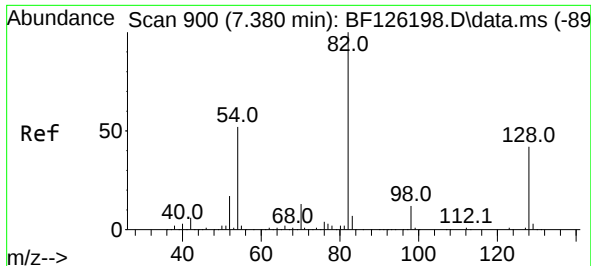
Tgt Ion: 70 Resp: 186007
Ion Ratio Lower Upper
70 100
42 47.4 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Tgt Ion: 136 Resp: 932075
Ion Ratio Lower Upper
136 100
137 10.8 9.8 14.6
54 9.3 6.4 9.6
68 7.5 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 85.090 ng

RT: 7.381 min Scan# 900

Delta R.T. 0.000 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

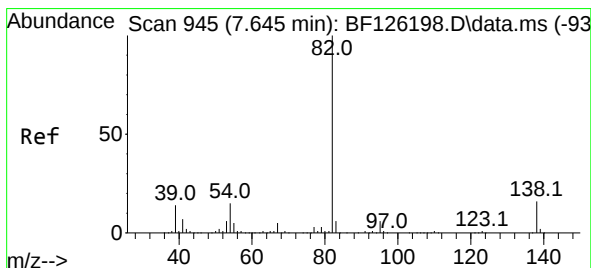
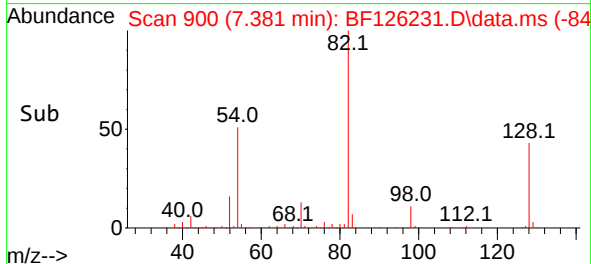
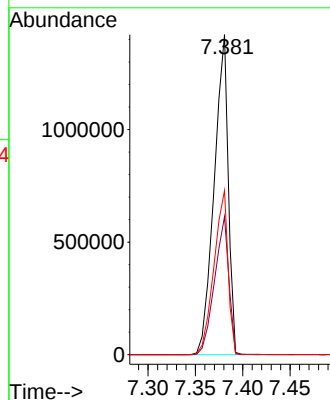
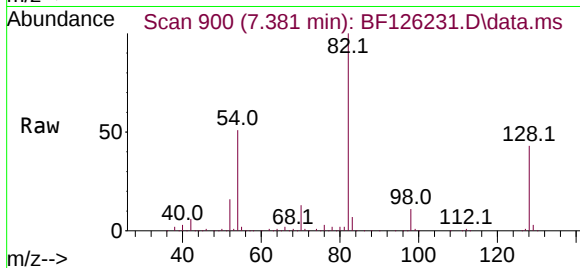
Instrument :

BNA_M

ClientSampleId :

Tgt Ion: 82 Resp: 1464384

Ion	Ratio	Lower	Upper
82	100		
128	43.2	40.6	60.8
54	51.3	49.6	74.4



#25

Isophorone

Concen: 43.995 ng

RT: 7.381 min Scan# 900

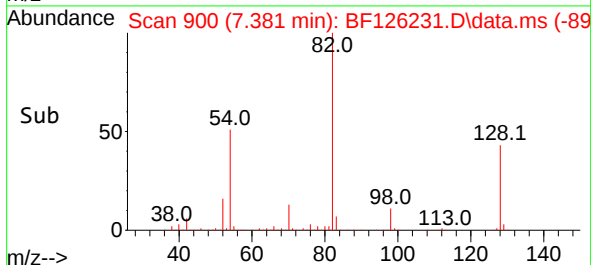
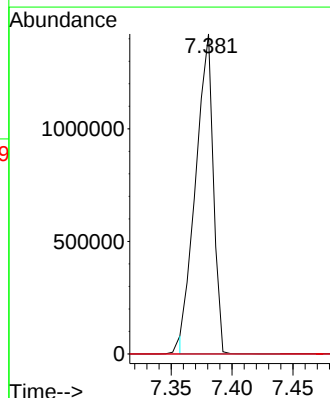
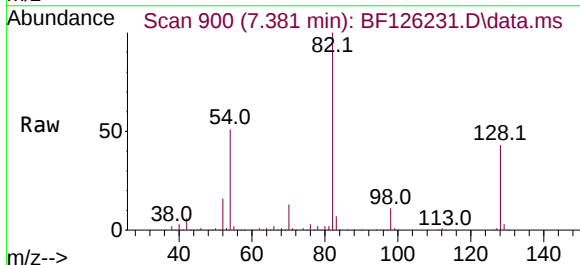
Delta R.T. -0.264 min

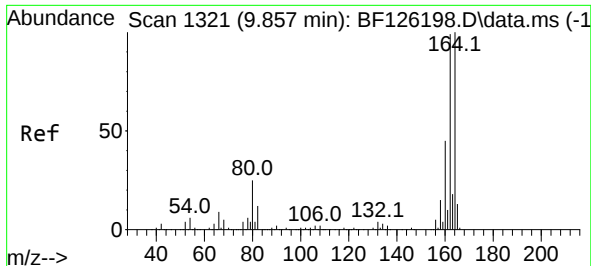
Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

Tgt Ion: 82 Resp: 1429797

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# 1

Delta R.T. -0.006 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

Instrument :

BNA_M

ClientSampleId :

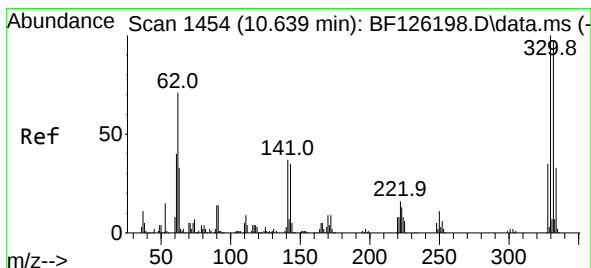
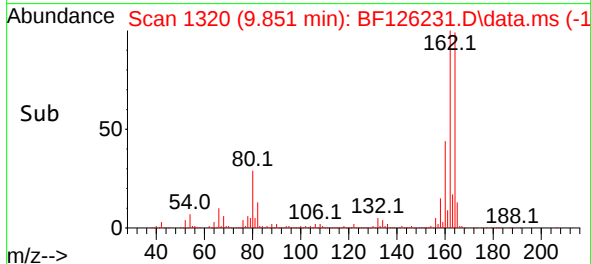
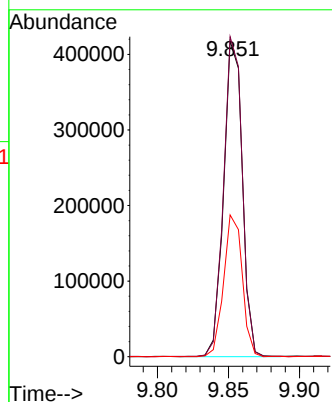
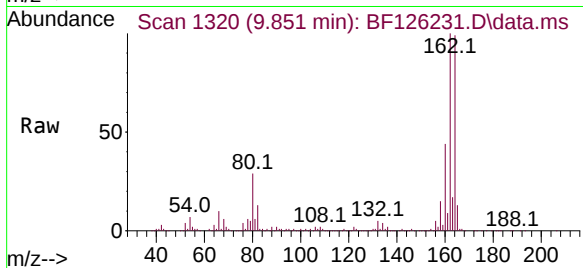
Tgt Ion:164 Resp: 382221

Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

160 44.9 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 99.616 ng

RT: 10.639 min Scan# 1454

Delta R.T. 0.000 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

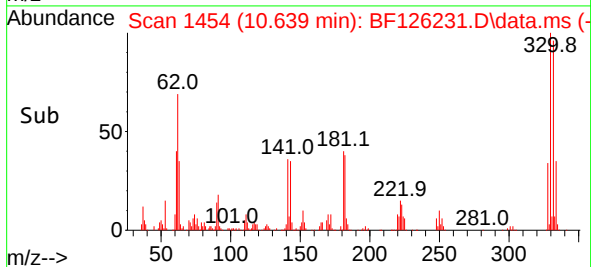
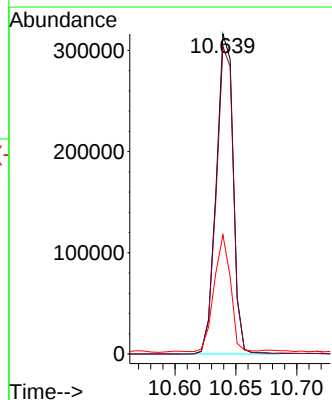
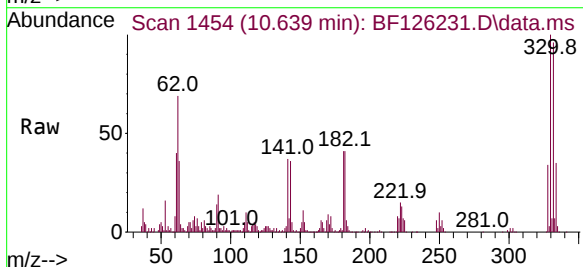
Tgt Ion:330 Resp: 305991

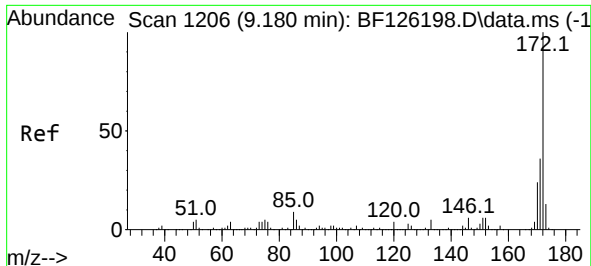
Ion Ratio Lower Upper

330 100

332 97.0 76.2 114.4

141 36.1 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 79.779 ng

RT: 9.181 min Scan# 1206

Delta R.T. 0.000 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

Instrument :

BNA_M

ClientSampleId :

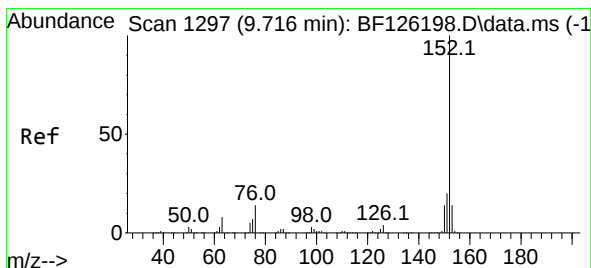
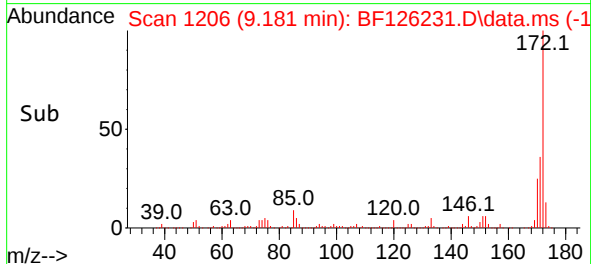
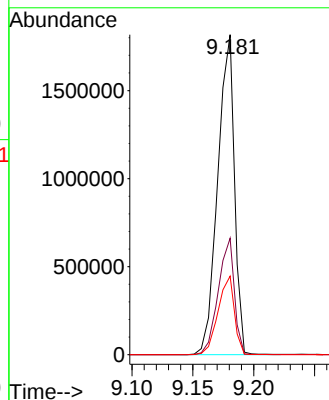
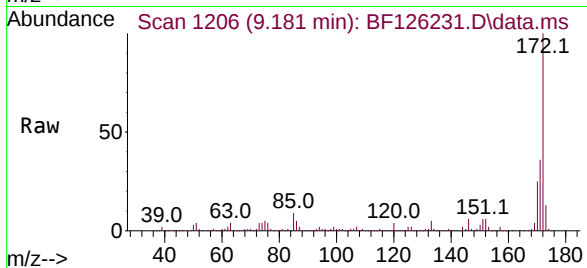
Tgt Ion:172 Resp: 1738621

Ion Ratio Lower Upper

172 100

171 36.4 26.5 39.7

170 24.6 18.8 28.2



#49

Acenaphthylene

Concen: 12.236 ng

RT: 9.716 min Scan# 1297

Delta R.T. 0.000 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

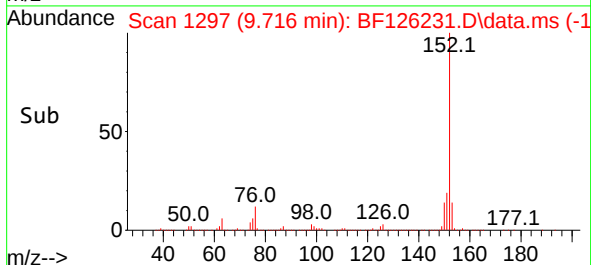
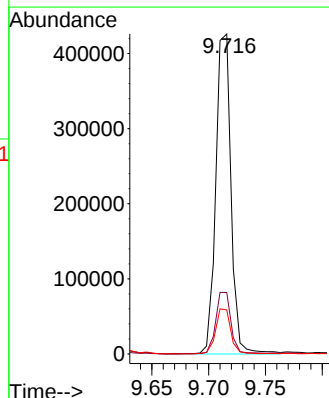
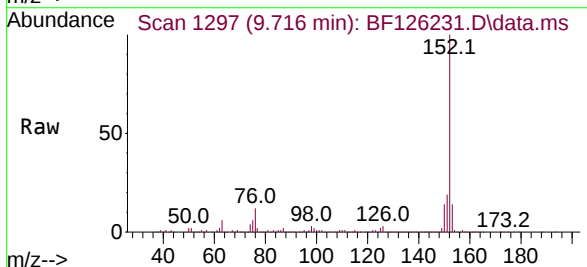
Tgt Ion:152 Resp: 397555

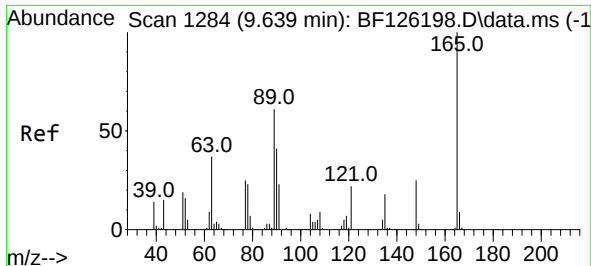
Ion Ratio Lower Upper

152 100

151 19.2 15.7 23.5

153 13.8 9.8 14.8

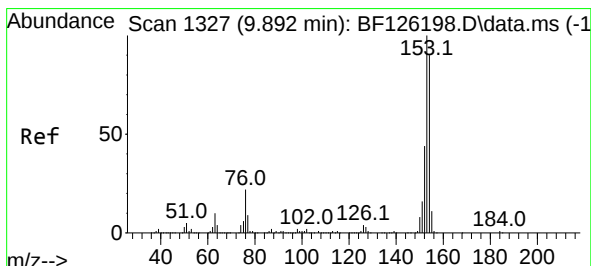
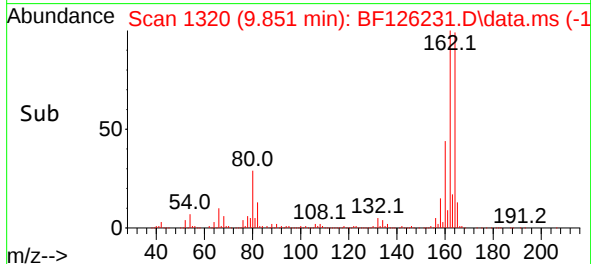
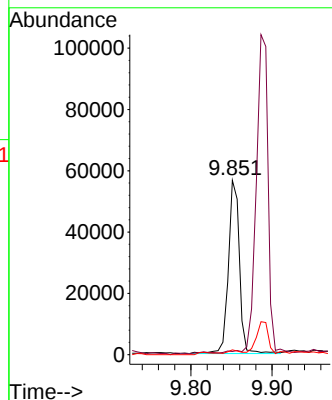
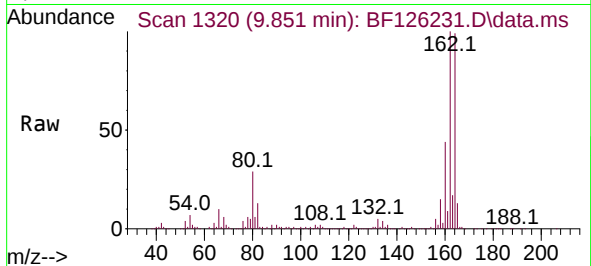




#51
2,6-Dinitrotoluene
Concen: 10.288 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

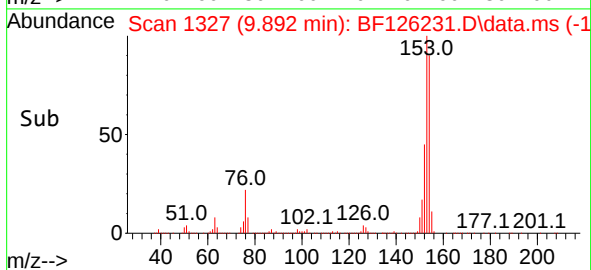
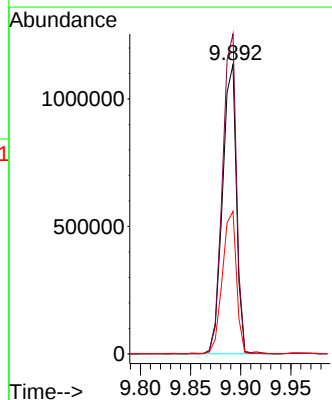
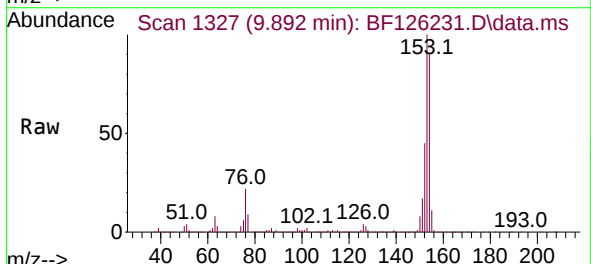
Instrument :
BNA_M
ClientSampleId :

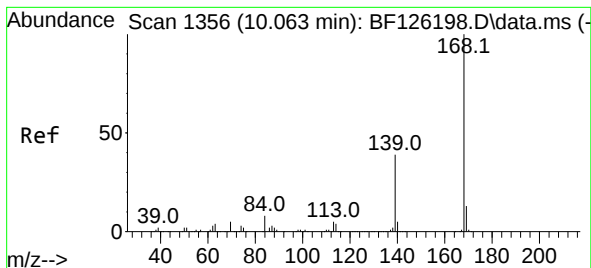
Tgt Ion:165 Resp: 53915
Ion Ratio Lower Upper
165 100
63 1.8 42.6 63.8#
89 2.8 40.6 60.8#



#52
Acenaphthene
Concen: 51.907 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Tgt Ion:154 Resp: 1093737
Ion Ratio Lower Upper
154 100
153 110.6 89.4 134.2
152 49.3 40.5 60.7

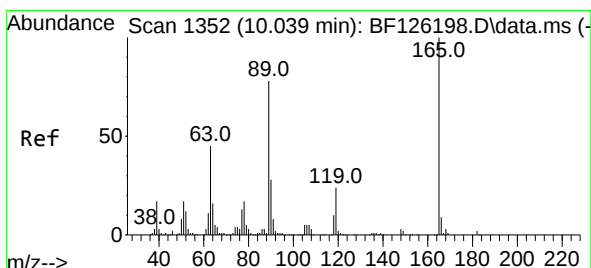
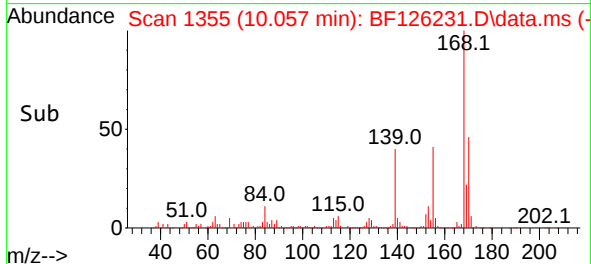
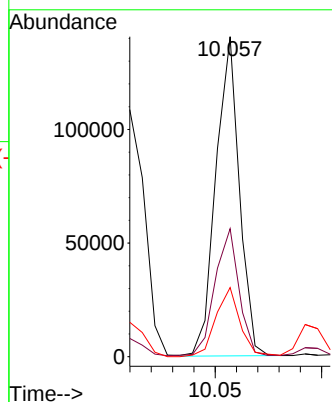
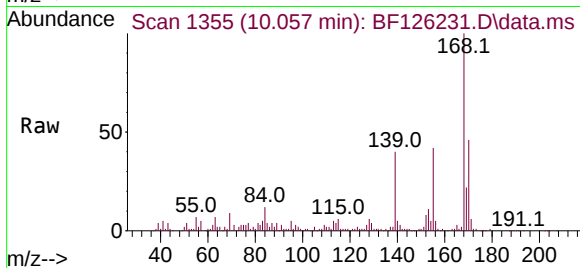




#55
Dibenzenofuran
Concen: 3.751 ng
RT: 10.057 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

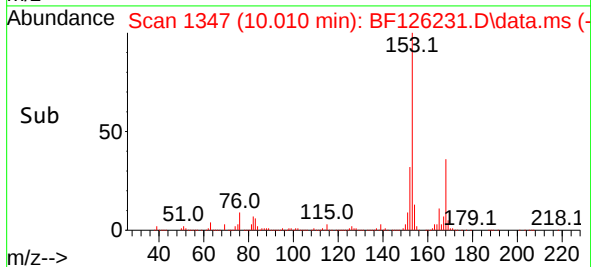
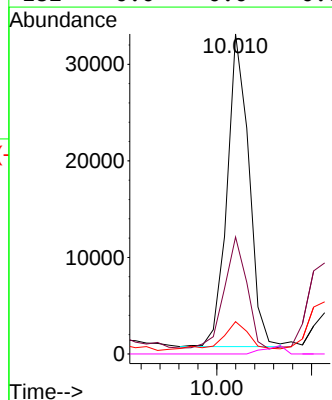
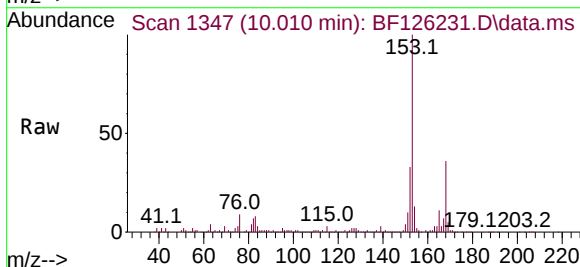
Instrument :
BNA_M
ClientSampleId :

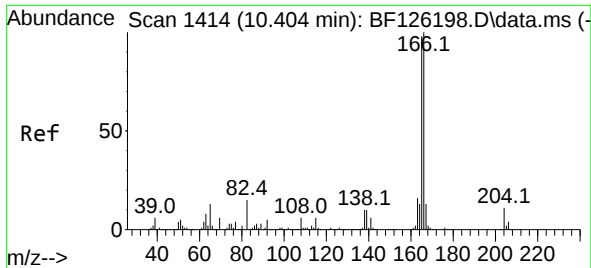
Tgt Ion:168 Resp: 107597
Ion Ratio Lower Upper
168 100
139 40.0 32.7 49.1
169 21.6 11.2 16.8#



#57
2,4-Dinitrotoluene
Concen: 3.871 ng
RT: 10.010 min Scan# 1347
Delta R.T. -0.029 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

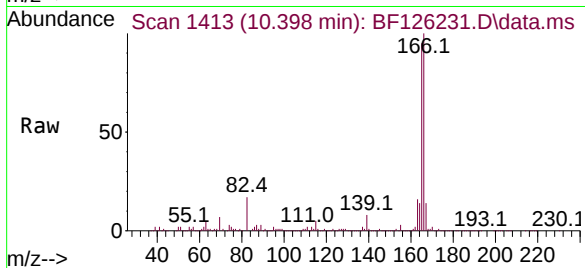
Tgt Ion:165 Resp: 25875
Ion Ratio Lower Upper
165 100
63 36.6 40.9 61.3#
89 10.1 59.7 89.5#
182 0.0 0.0 0.0



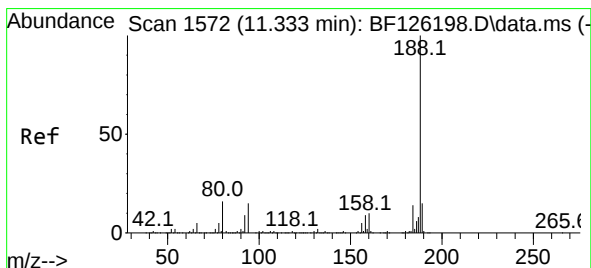
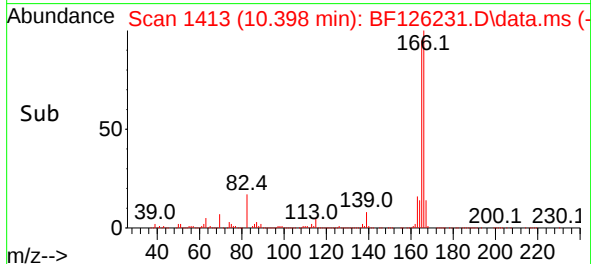
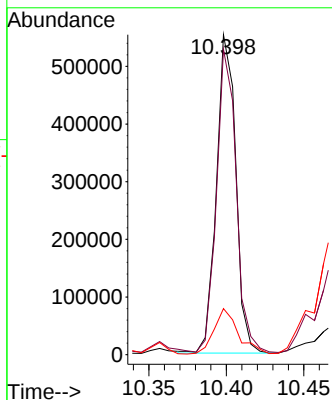


#58
 Fluorene
 Concen: 23.112 ng
 RT: 10.398 min Scan# 1414
 Delta R.T. -0.006 min
 Lab File: BF126231.D
 Acq: 17 Dec 2021 12:56

Instrument :
 BNA_M
 ClientSampleId :

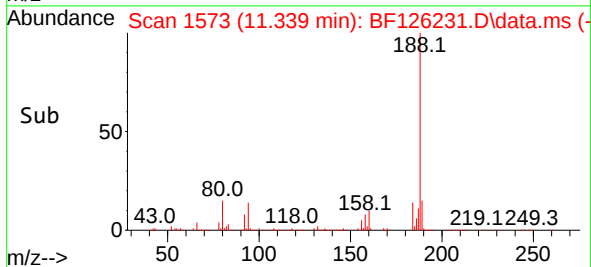
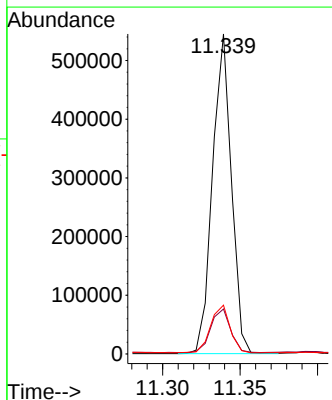
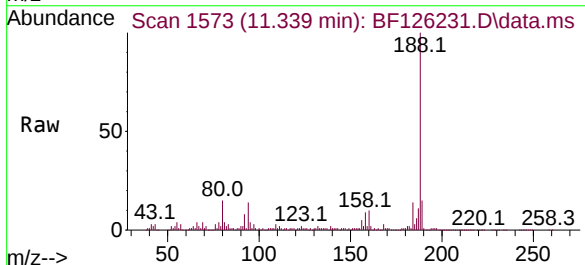


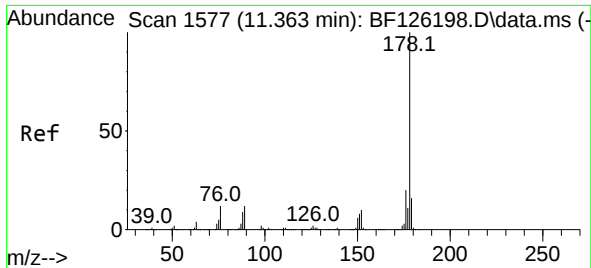
Tgt Ion:166 Resp: 480008
 Ion Ratio Lower Upper
 166 100
 165 95.5 78.1 117.1
 167 14.4 11.1 16.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.339 min Scan# 1573
 Delta R.T. 0.006 min
 Lab File: BF126231.D
 Acq: 17 Dec 2021 12:56

Tgt Ion:188 Resp: 461223
 Ion Ratio Lower Upper
 188 100
 94 14.1 6.7 10.1#
 80 15.3 7.5 11.3#

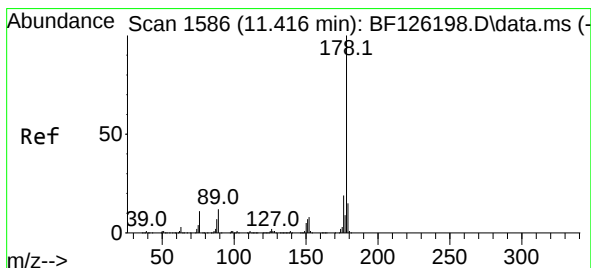
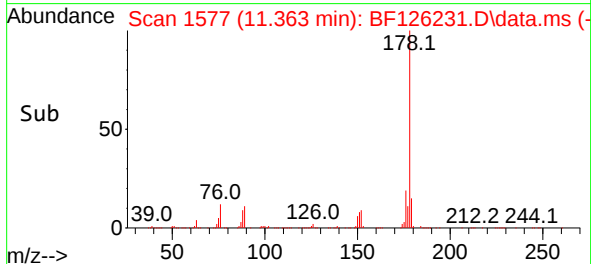
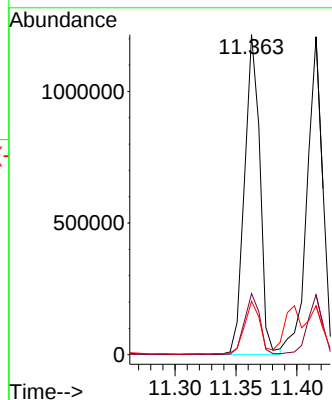
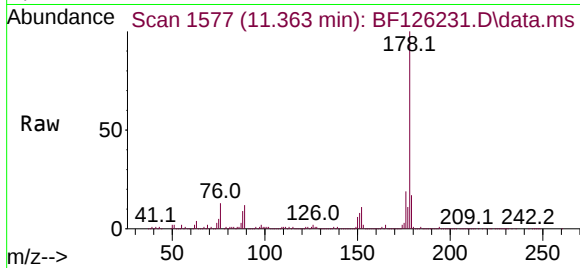




#71
Phenanthrene
Concen: 44.693 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

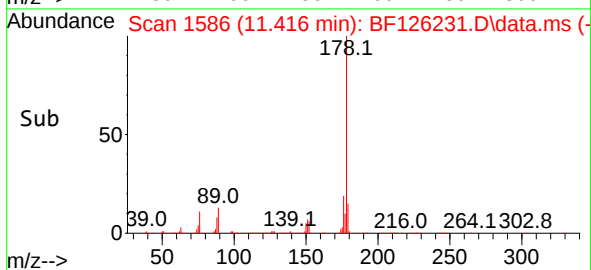
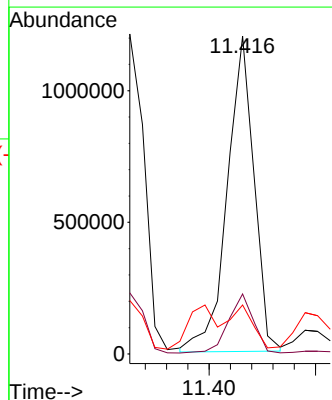
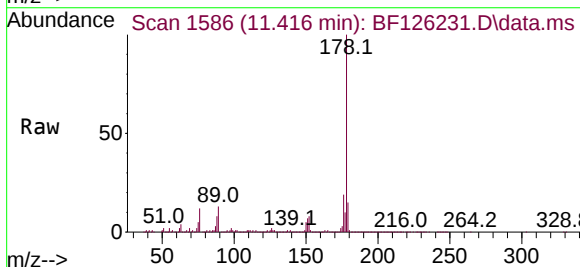
Instrument :
BNA_M
ClientSampleId :

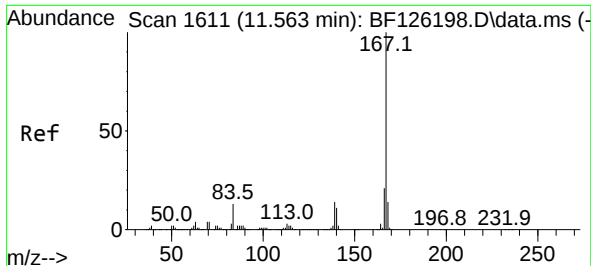
Tgt Ion:178 Resp: 1063926
Ion Ratio Lower Upper
178 100
176 19.1 14.7 22.1
179 16.7 11.5 17.3



#72
Anthracene
Concen: 43.883 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Tgt Ion:178 Resp: 1048514
Ion Ratio Lower Upper
178 100
176 18.9 14.3 21.5
179 15.4 12.2 18.4

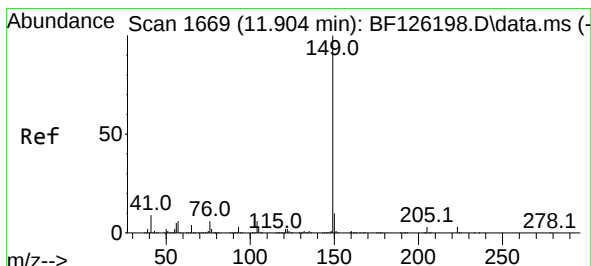
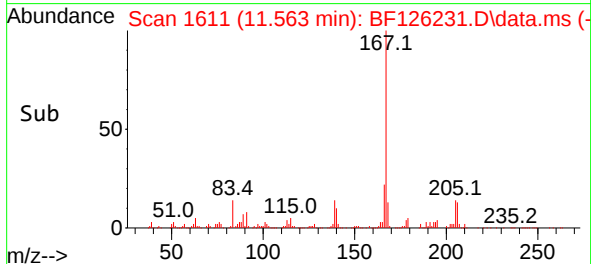
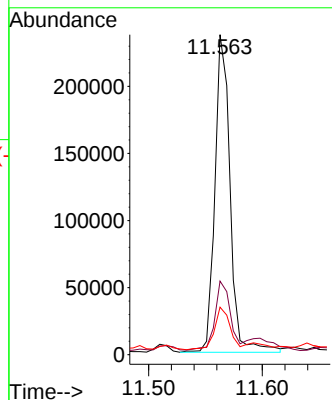
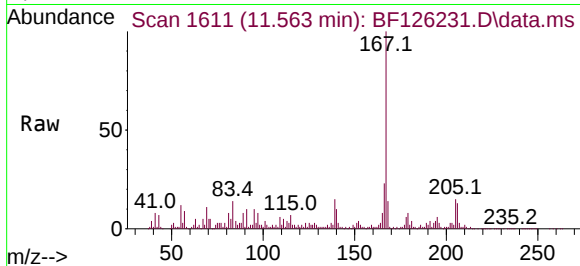




#73
 Carbazole
 Concen: 9.765 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF126231.D
 Acq: 17 Dec 2021 12:56

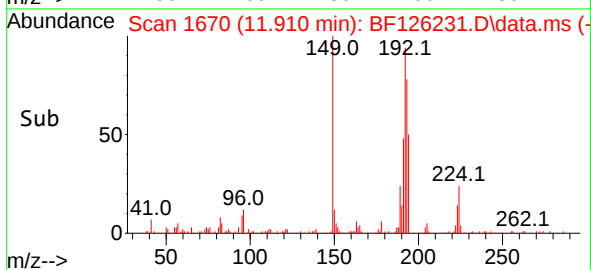
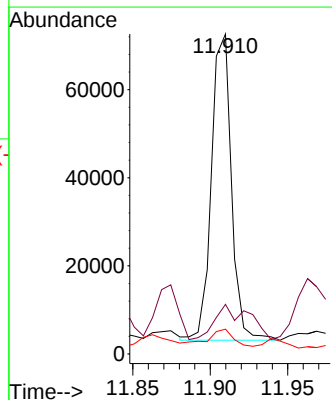
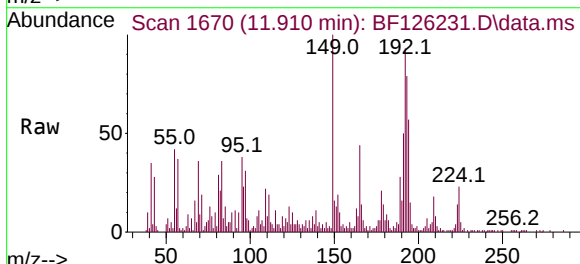
Instrument :
 BNA_M
 ClientSampleId :

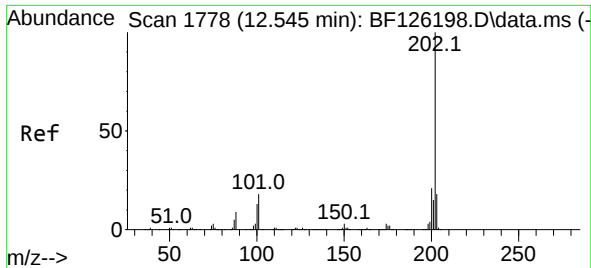
Tgt Ion:167 Resp: 219720
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.4 26.0
 139 14.8 11.0 16.4



#74
 Di-n-butylphthalate
 Concen: 2.186 ng
 RT: 11.910 min Scan# 1670
 Delta R.T. 0.006 min
 Lab File: BF126231.D
 Acq: 17 Dec 2021 12:56

Tgt Ion:149 Resp: 62365
 Ion Ratio Lower Upper
 149 100
 150 15.5 7.4 11.2#
 104 7.8 4.1 6.1#

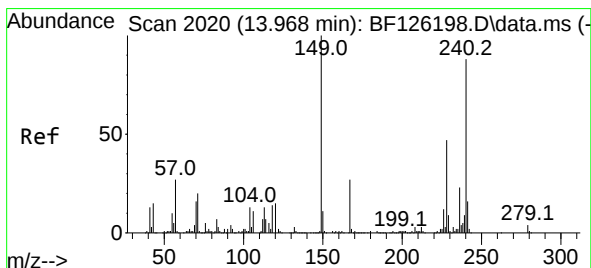
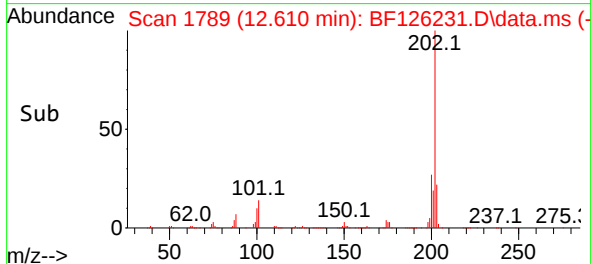
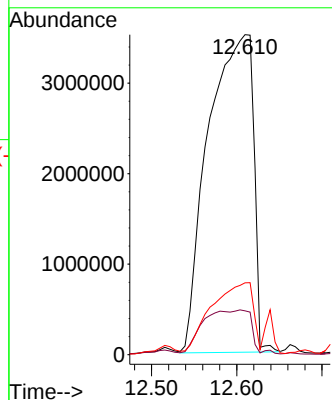
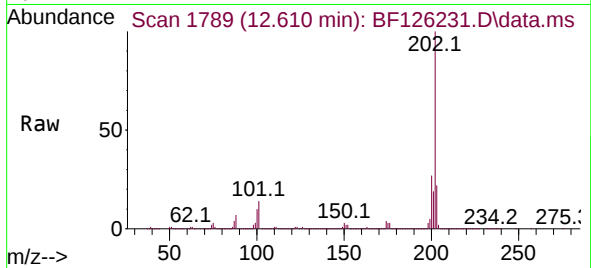




#75
Fluoranthene
Concen: 601.996 ng
RT: 12.610 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

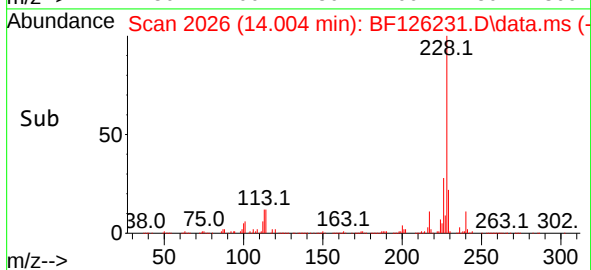
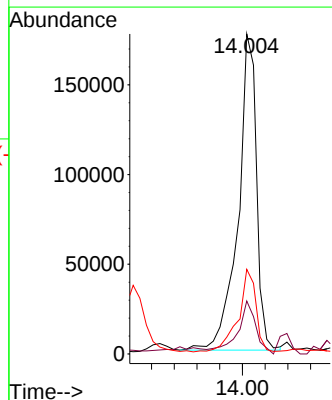
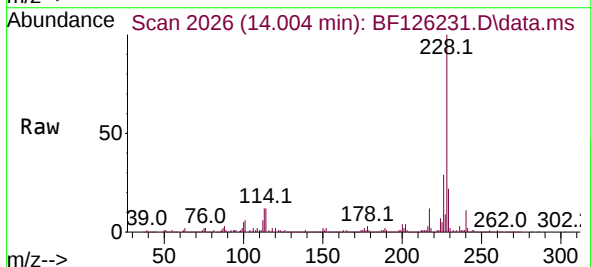
Instrument :
BNA_M
ClientSampleId :

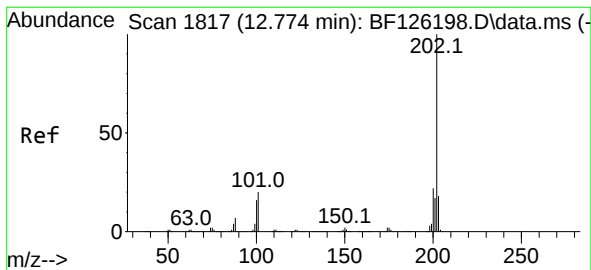
Tgt Ion:202 Resp:12911539
Ion Ratio Lower Upper
202 100
101 13.7 0.0 30.7
203 22.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.035 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Tgt Ion:240 Resp: 197940
Ion Ratio Lower Upper
240 100
120 16.5 10.8 16.2#
236 26.5 21.6 32.4





#78

Pyrene

Concen: 543.608 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.065 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

Instrument :

BNA_M

ClientSampleId :

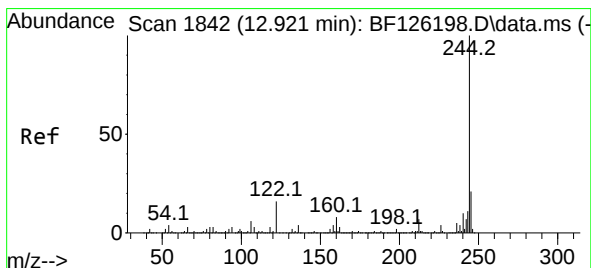
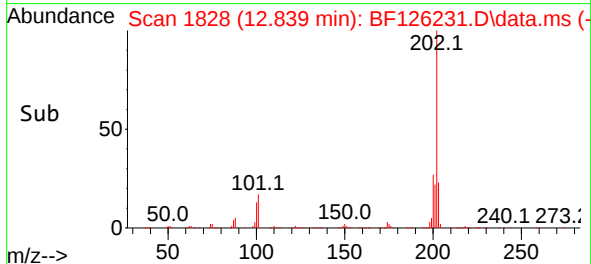
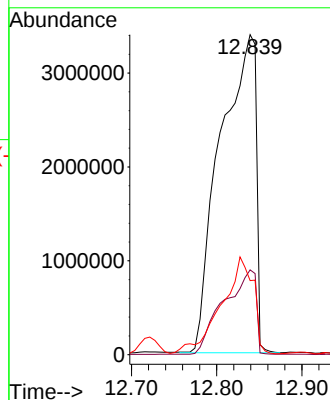
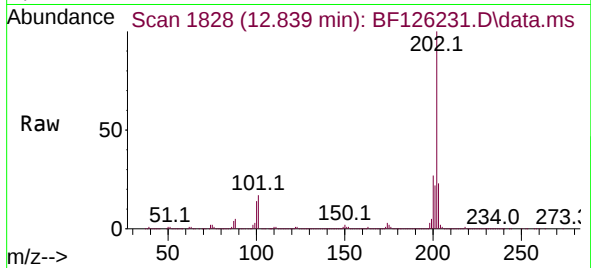
Tgt Ion:202 Resp: 9885627

Ion Ratio Lower Upper

202 100

200 26.5 15.3 22.9#

203 23.2 13.4 20.0#



#79

Terphenyl-d14

Concen: 90.297 ng

RT: 12.933 min Scan# 1844

Delta R.T. 0.012 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

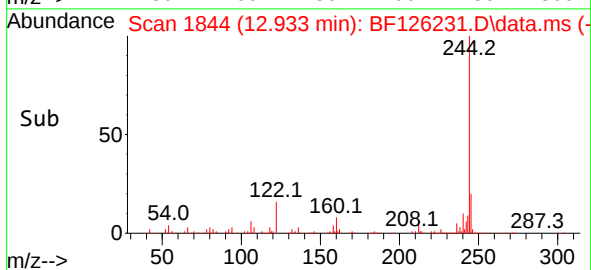
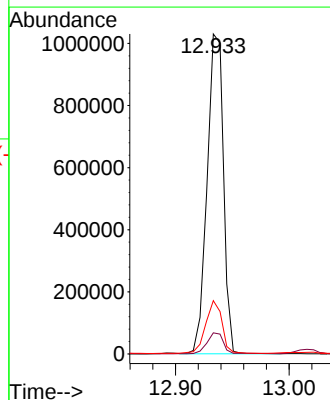
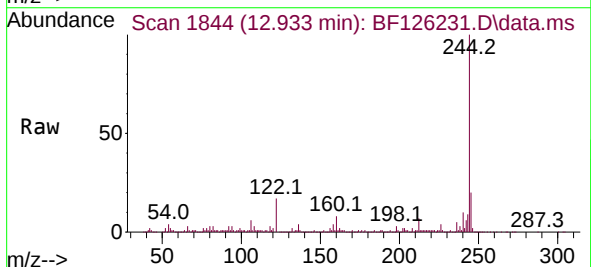
Tgt Ion:244 Resp: 1028316

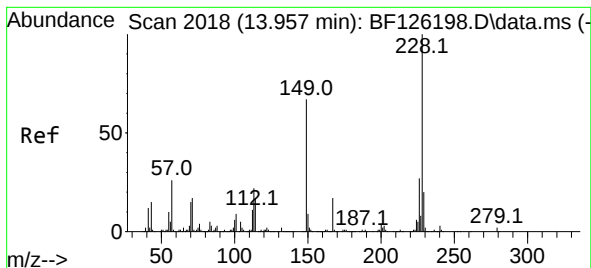
Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

122 16.7 9.0 13.4#





#81

Benzo(a)anthracene

Concen: 376.644 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.041 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

Instrument :

BNA_M

ClientSampleId :

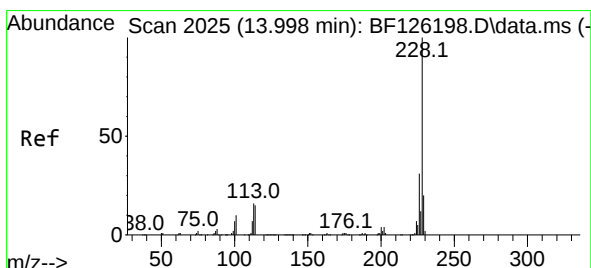
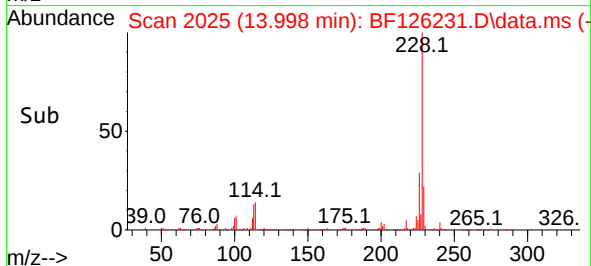
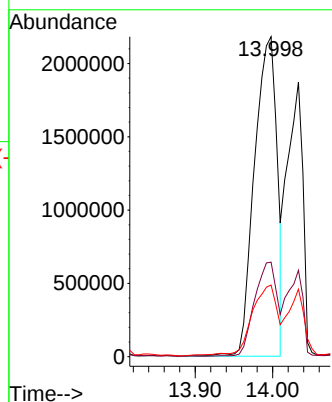
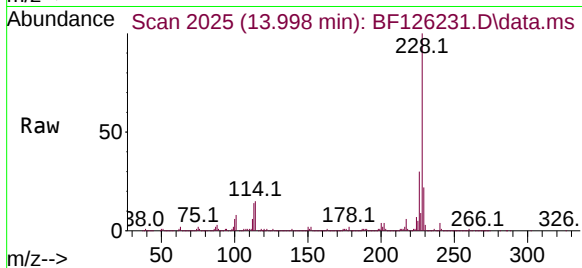
Tgt Ion:228 Resp: 4416113

Ion Ratio Lower Upper

228 100

226 29.6 21.6 32.4

229 22.4 15.6 23.4



#83

Chrysene

Concen: 362.508 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

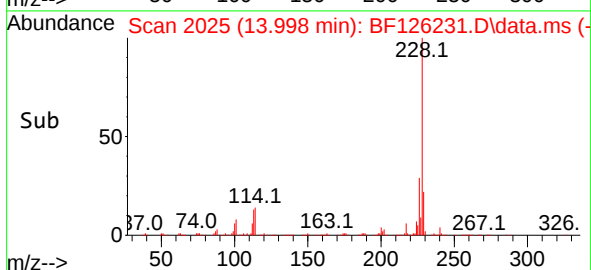
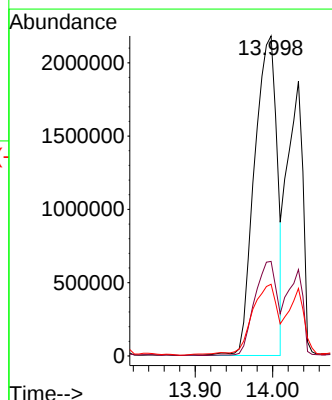
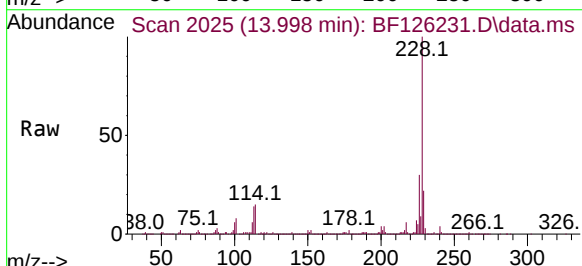
Tgt Ion:228 Resp: 4416113

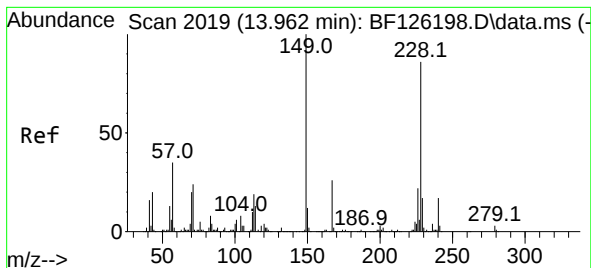
Ion Ratio Lower Upper

228 100

226 29.6 22.6 34.0

229 22.4 15.9 23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.964 ng

RT: 13.968 min Scan# 2019

Delta R.T. 0.006 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

Instrument :

BNA_M

ClientSampleId :

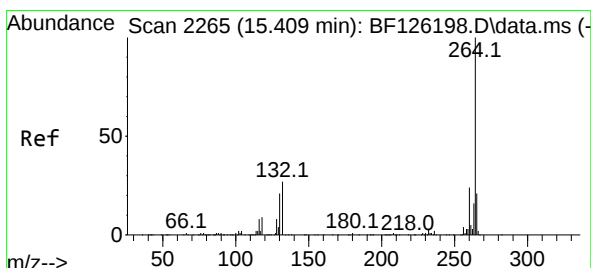
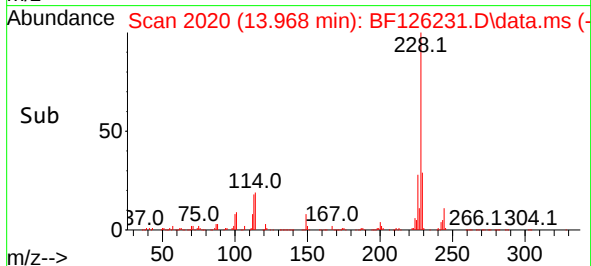
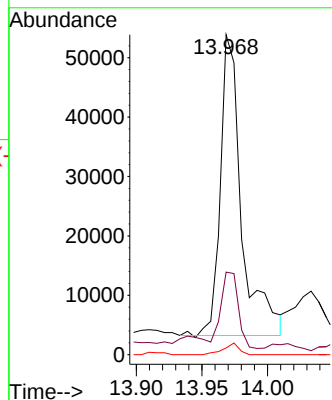
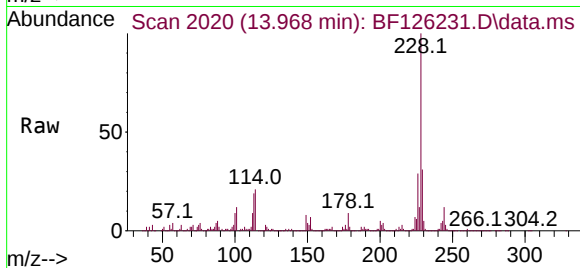
Tgt Ion:149 Resp: 57031

Ion Ratio Lower Upper

149 100

167 25.8 21.4 32.0

279 2.1 2.6 4.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.035 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

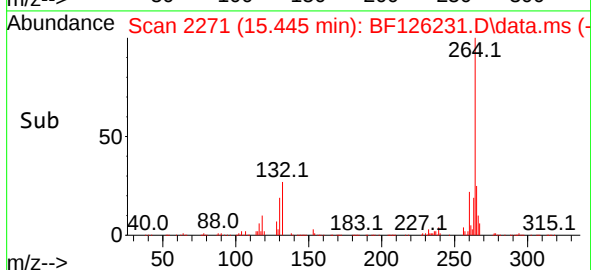
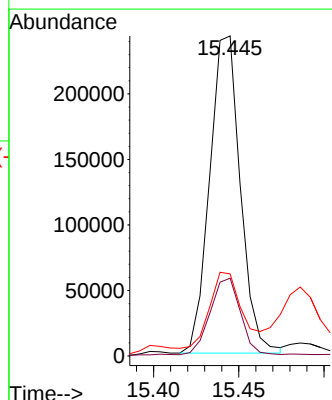
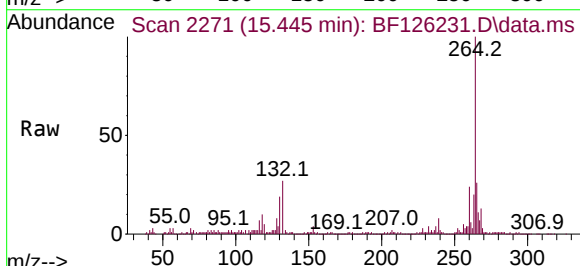
Tgt Ion:264 Resp: 303874

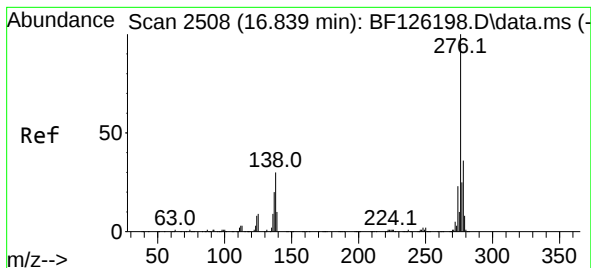
Ion Ratio Lower Upper

264 100

260 24.3 19.6 29.4

265 25.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.733 ng

RT: 16.868 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

Instrument :

BNA_M

ClientSampleId :

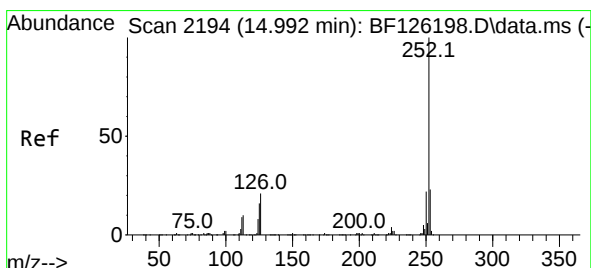
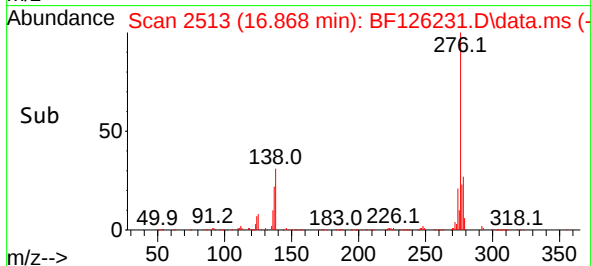
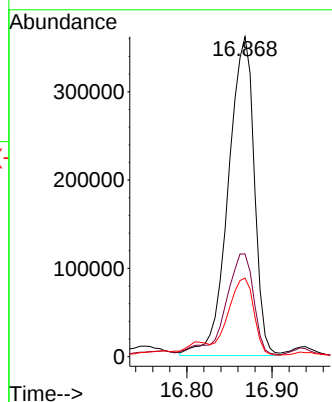
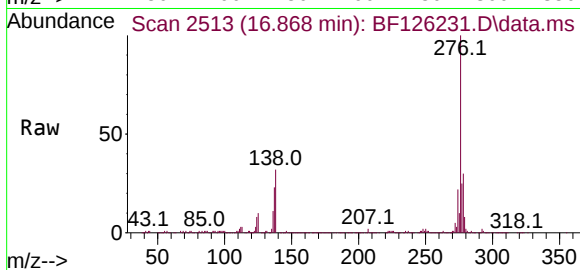
Tgt Ion:276 Resp: 764807

Ion Ratio Lower Upper

276 100

138 35.0 24.1 36.1

277 24.1 18.8 28.2



#88

Benzo(b)fluoranthene

Concen: 287.549 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.053 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

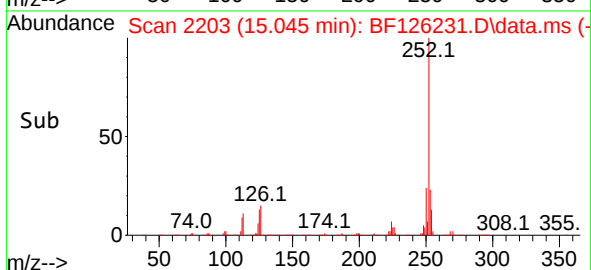
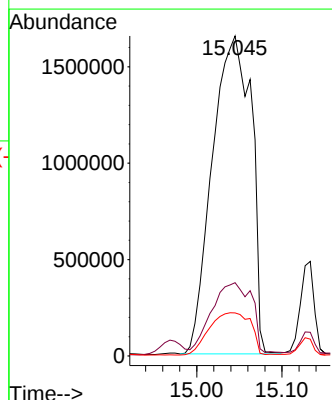
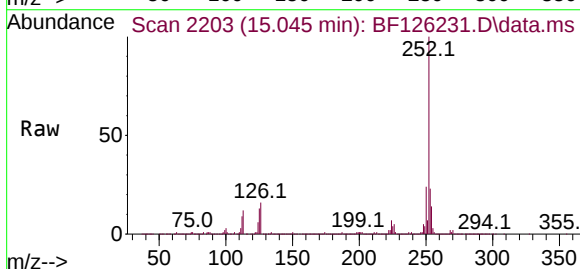
Tgt Ion:252 Resp: 5250183

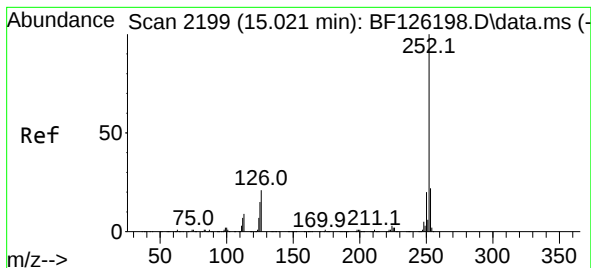
Ion Ratio Lower Upper

252 100

253 22.9 16.8 25.2

125 13.5 9.8 14.8





#89

Benzo(k)fluoranthene

Concen: 300.588 ng

RT: 15.045 min Scan# 2199

Delta R.T. 0.024 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

Instrument :

BNA_M

ClientSampleId :

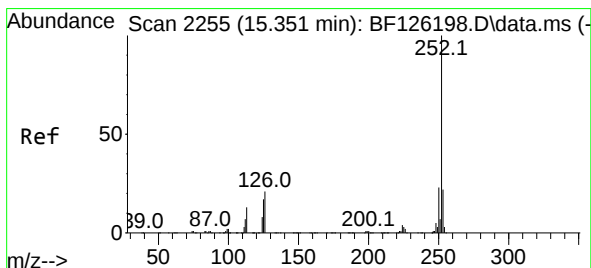
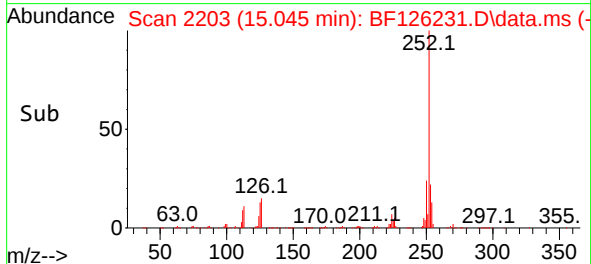
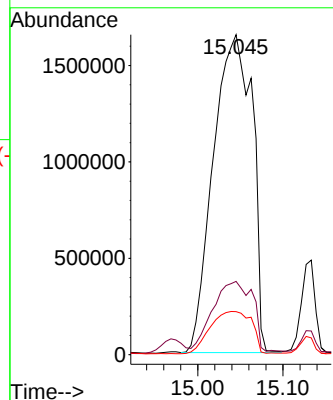
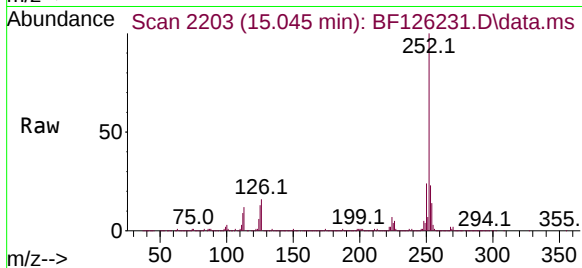
Tgt Ion:252 Resp: 5250183

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 13.5 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 132.736 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.047 min

Lab File: BF126231.D

Acq: 17 Dec 2021 12:56

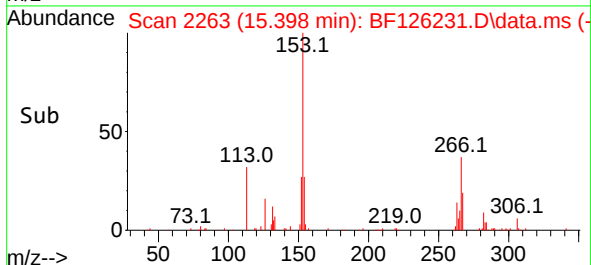
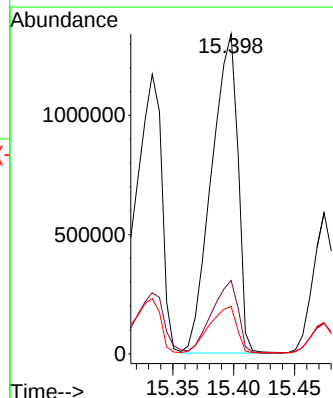
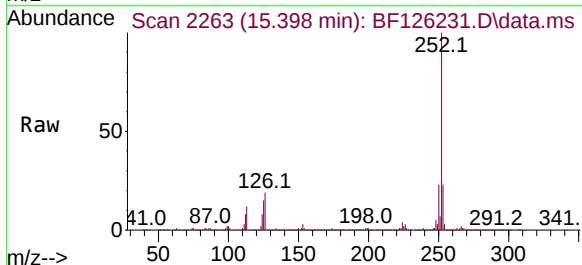
Tgt Ion:252 Resp: 2014271

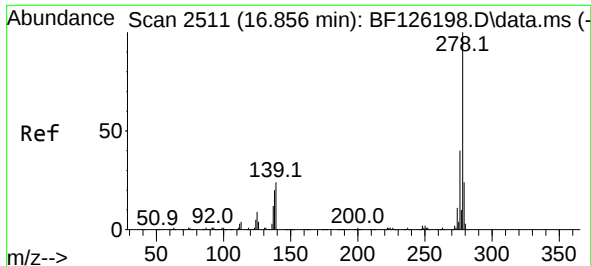
Ion Ratio Lower Upper

252 100

253 23.0 18.4 27.6

125 14.9 9.9 14.9

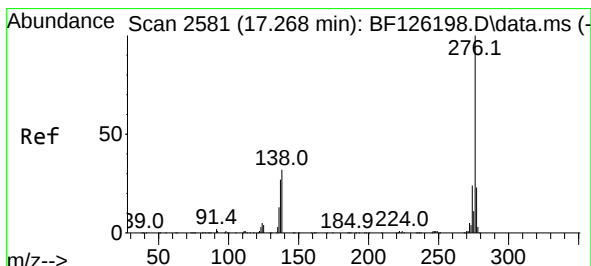
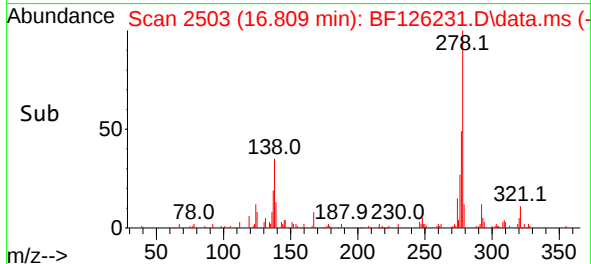
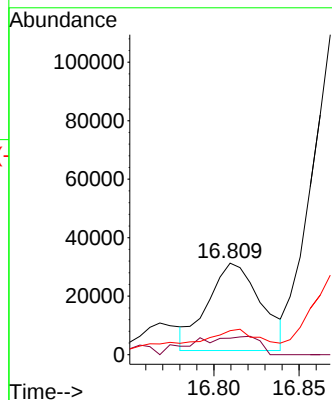
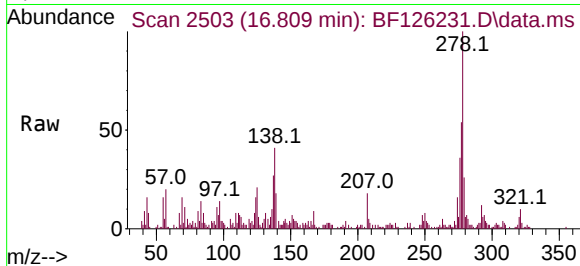




#91
Dibenzo(a,h)anthracene
Concen: 3.919 ng
RT: 16.809 min Scan# 2511
Delta R.T. -0.047 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 64566
Ion Ratio Lower Upper
278 100
139 17.9 14.9 22.3
279 26.2 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 33.426 ng
RT: 17.298 min Scan# 2586
Delta R.T. 0.030 min
Lab File: BF126231.D
Acq: 17 Dec 2021 12:56

Tgt Ion:276 Resp: 569824
Ion Ratio Lower Upper
276 100
277 24.2 22.0 33.0
138 32.6 22.2 33.4

