

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126236.D
 Acq On : 17 Dec 2021 15:41
 Operator : JU/CG
 Sample : M5087-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 17 16:03:55 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)

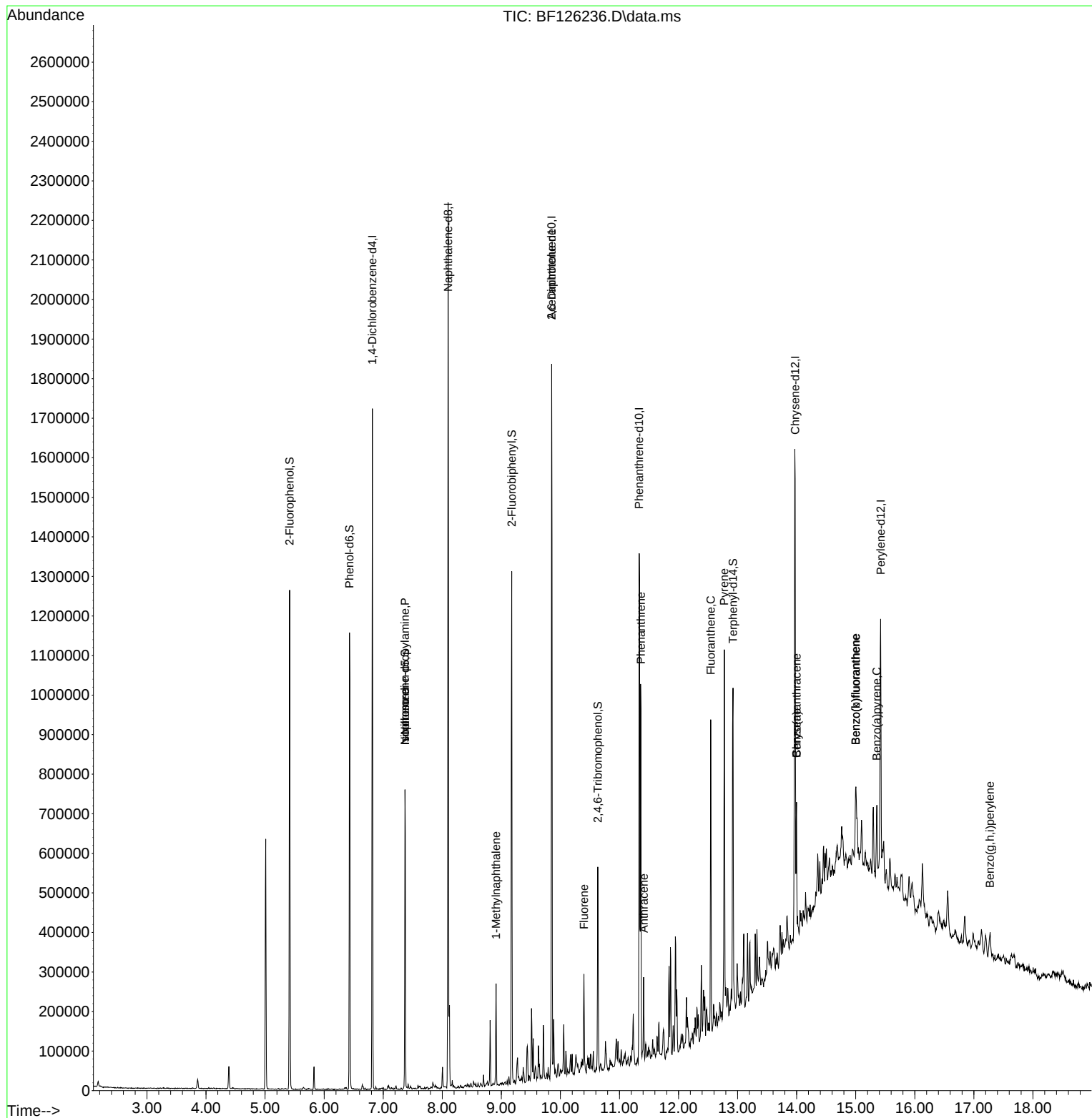
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	225409	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	875778	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	340868	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	464499	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	373231	20.000	ng	0.00
86) Perylene-d12	15.421	264	275282	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	321535	21.007	ng	0.00
7) Phenol-d6	6.428	99	384882	19.803	ng	-0.02
23) Nitrobenzene-d5	7.369	82	226666	14.017	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	46830	17.095	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	340371	17.513	ng	0.00
79) Terphenyl-d14	12.922	244	255763	11.911	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	28672	2.403	ng	# 58
25) Isophorone	7.369	82	222576	7.289	ng	# 59
38) 1-Methylnaphthalene	8.910	142	58116	2.374	ng	100
51) 2,6-Dinitrotoluene	9.851	165	46989	10.054	ng	# 28
58) Fluorene	10.398	166	56761	3.065	ng	99
71) Phenanthrene	11.363	178	349335	14.571	ng	99
72) Anthracene	11.410	178	66721	2.773	ng	99
75) Fluoranthene	12.545	202	260418	12.056	ng	89
78) Pyrene	12.774	202	338422	9.870	ng	97
81) Benzo(a)anthracene	13.998	228	134203	6.070	ng	97
83) Chrysene	13.998	228	134203	5.842	ng	97
88) Benzo(b)fluoranthene	14.998	252	143512	8.676	ng	# 88
89) Benzo(k)fluoranthene	14.998	252	143512	9.070	ng	# 88
90) Benzo(a)pyrene	15.357	252	85021	6.185	ng	# 89
92) Benzo(g,h,i)perylene	17.274	276	42407	2.746	ng	# 89

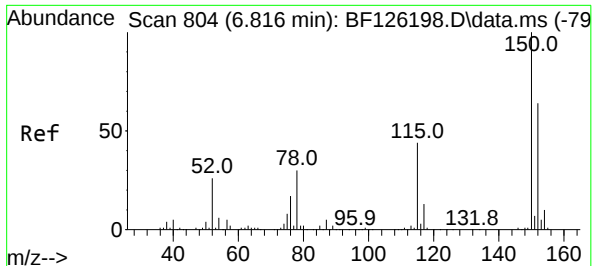
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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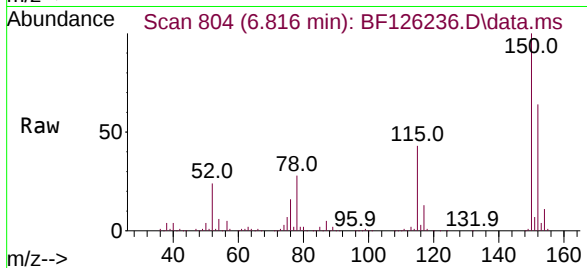
Quant Time: Dec 17 16:03:55 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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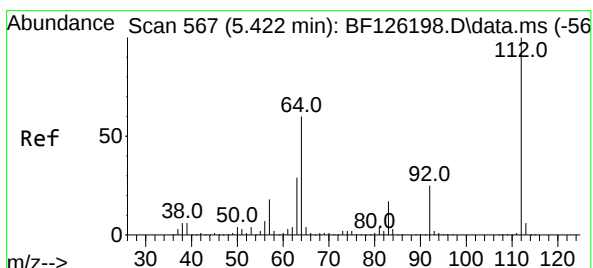
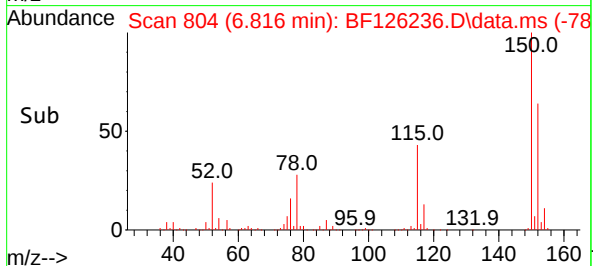
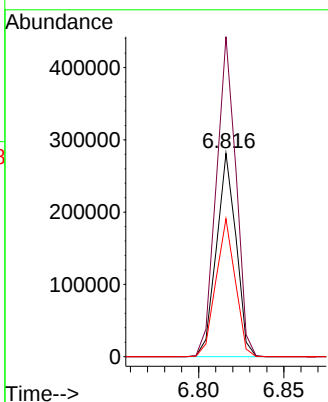


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

Instrument :
BNA_M
ClientSampleId :

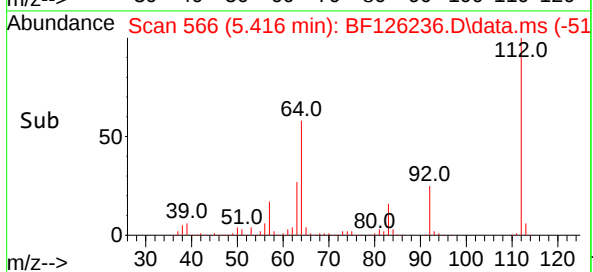
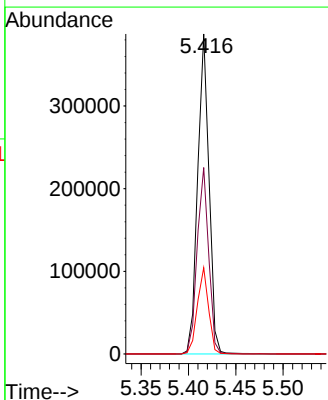
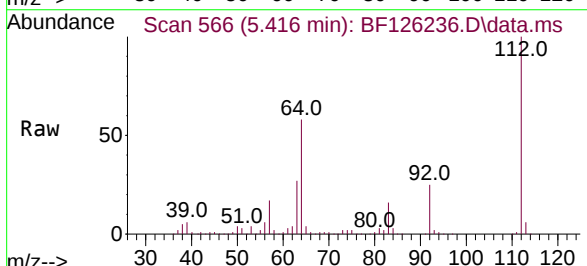


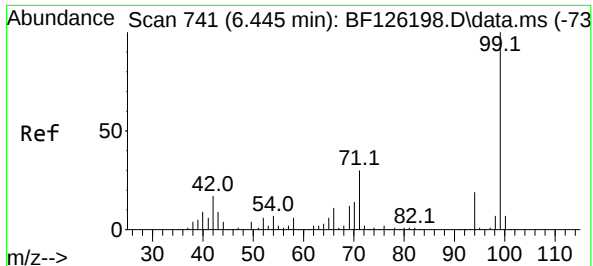
Tgt Ion:152 Resp: 225409
Ion Ratio Lower Upper
152 100
150 157.3 117.6 176.4
115 67.8 47.1 70.7



#5
2-Fluorophenol
Concen: 21.007 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

Tgt Ion:112 Resp: 321535
Ion Ratio Lower Upper
112 100
64 58.2 44.2 66.2
63 26.9 26.2 39.2

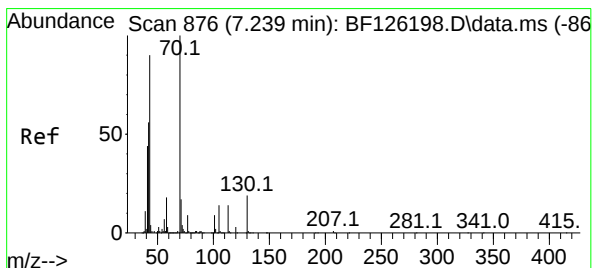
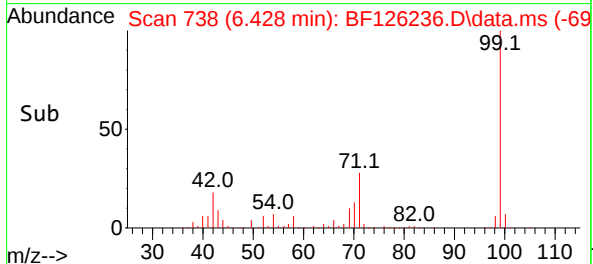
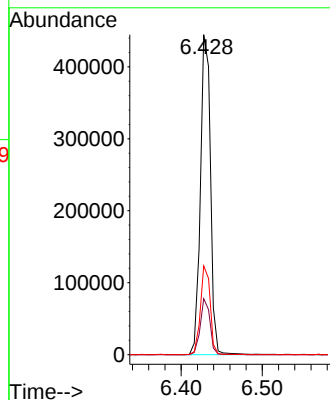
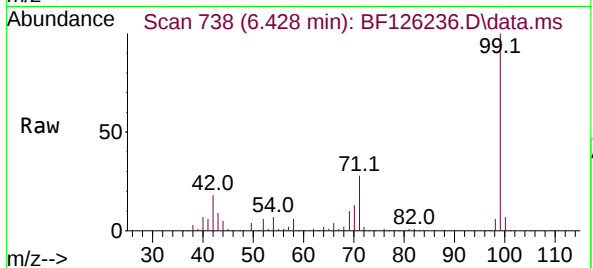




#7
Phenol-d6
Concen: 19.803 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

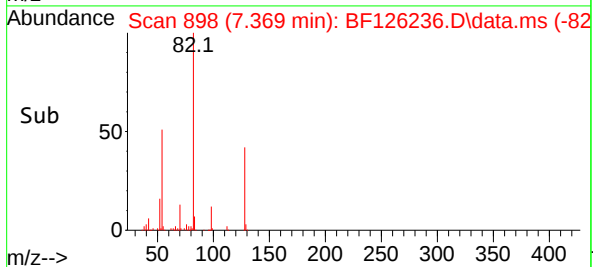
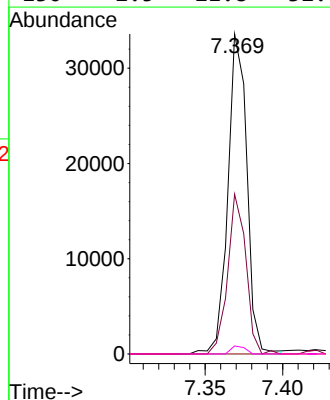
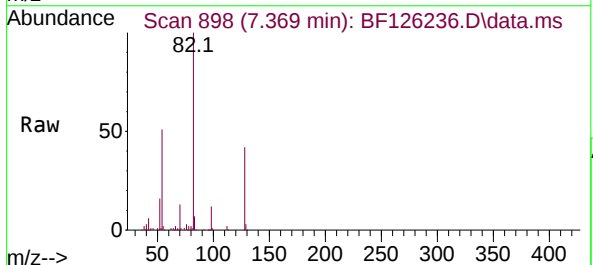
Instrument :
BNA_M
ClientSampleId :

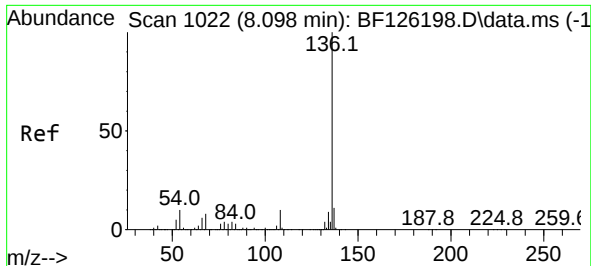
Tgt Ion: 99 Resp: 384882
Ion Ratio Lower Upper
99 100
42 17.5 23.5 35.3#
71 27.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.403 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.130 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

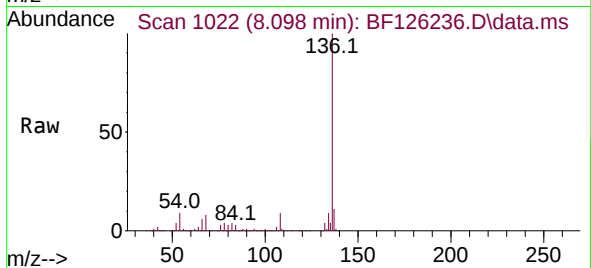
Tgt Ion: 70 Resp: 28672
Ion Ratio Lower Upper
70 100
42 50.0 72.2 108.2#
101 0.0 7.8 11.8#
130 2.5 21.8 32.6#



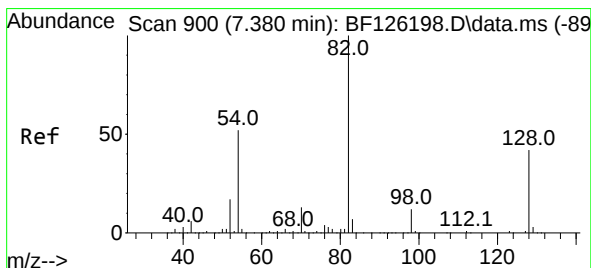
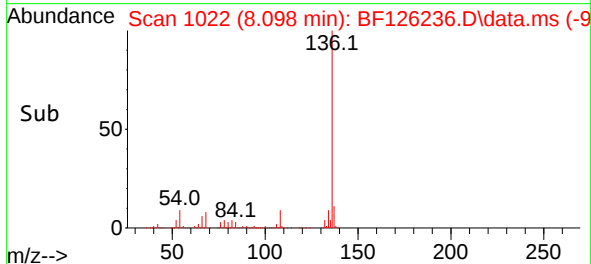
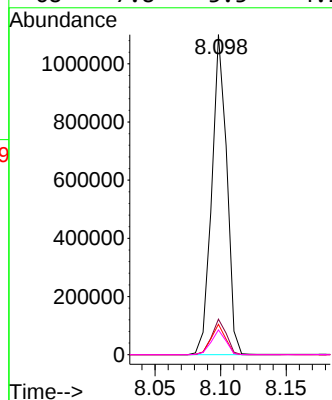


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

Instrument :
BNA_M
ClientSampleId :

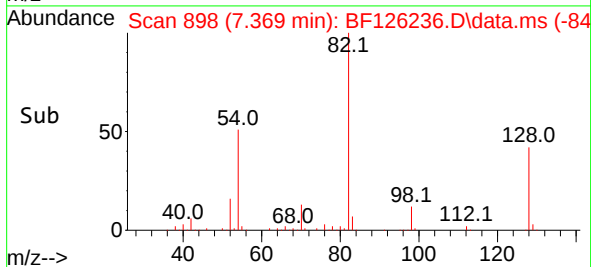
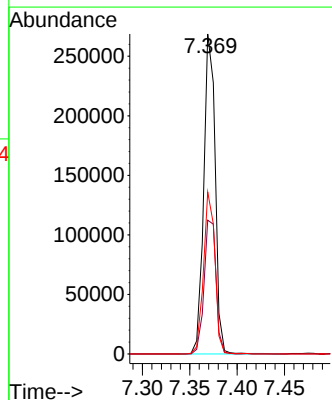
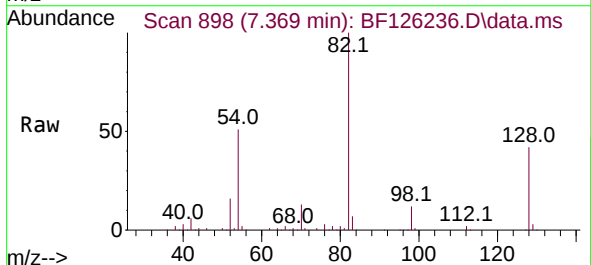


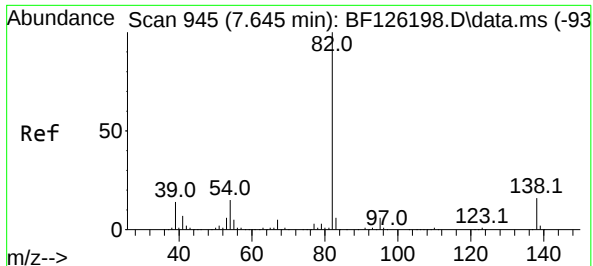
Tgt Ion:136 Resp: 875778
Ion Ratio Lower Upper
136 100
137 11.1 9.8 14.6
54 9.5 6.4 9.6
68 7.8 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 14.017 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.011 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

Tgt Ion: 82 Resp: 226666
Ion Ratio Lower Upper
82 100
128 41.8 40.6 60.8
54 50.6 49.6 74.4

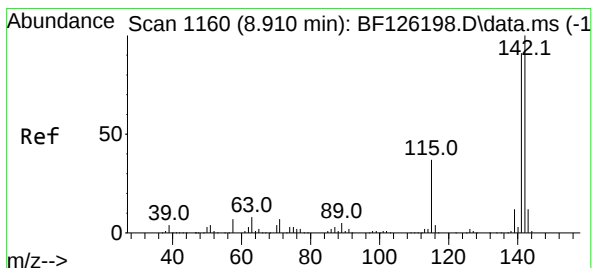
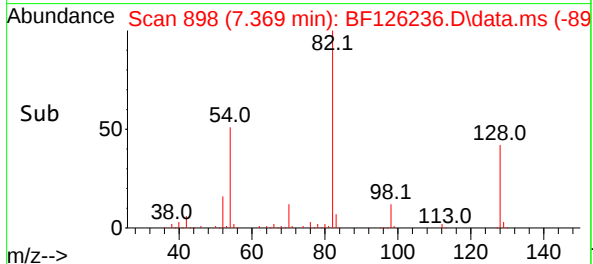
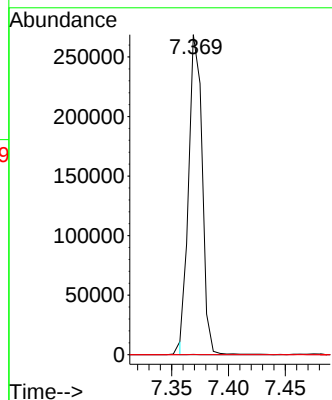
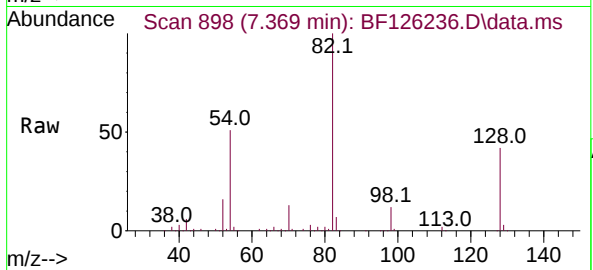




#25
Isophorone
Concen: 7.289 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

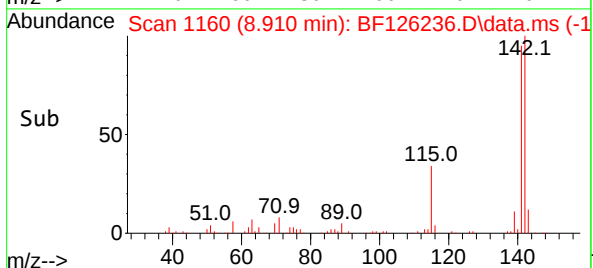
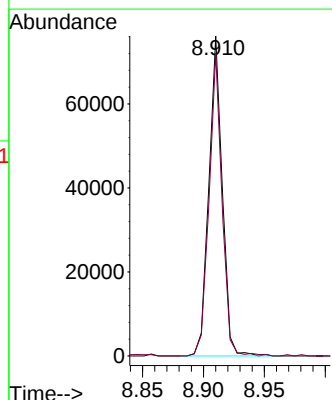
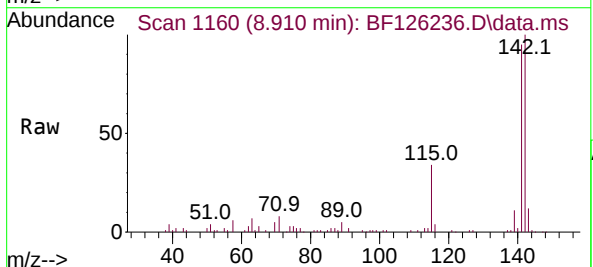
Instrument :
BNA_M
ClientSampleId :

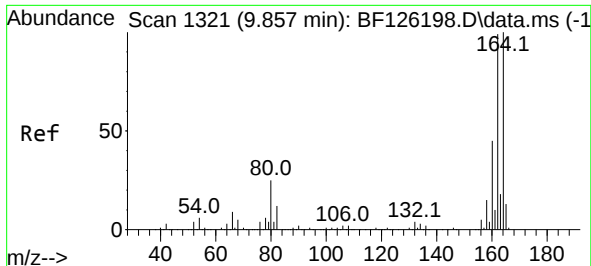
Tgt Ion: 82 Resp: 222576
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#38
1-Methylnaphthalene
Concen: 2.374 ng
RT: 8.910 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

Tgt Ion:142 Resp: 58116
Ion Ratio Lower Upper
142 100
141 94.7 76.0 114.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126236.D

Acq: 17 Dec 2021 15:41

Instrument :

BNA_M

ClientSampleId :

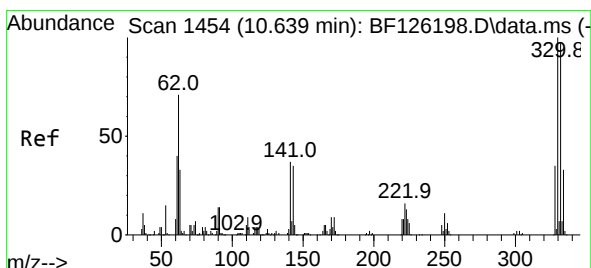
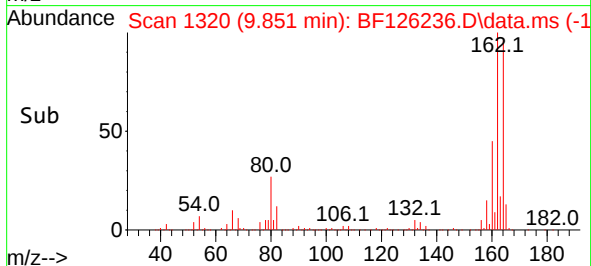
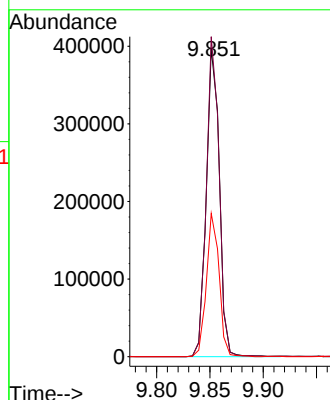
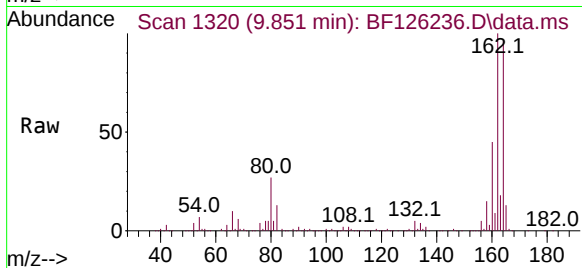
Tgt Ion:164 Resp: 340868

Ion Ratio Lower Upper

164 100

162 104.0 81.3 121.9

160 46.5 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 17.095 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF126236.D

Acq: 17 Dec 2021 15:41

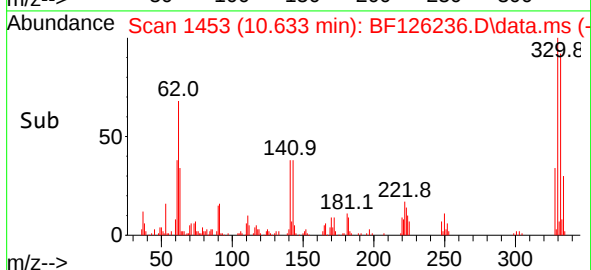
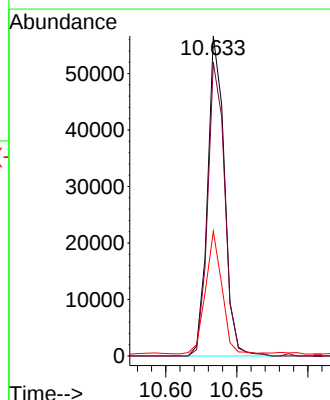
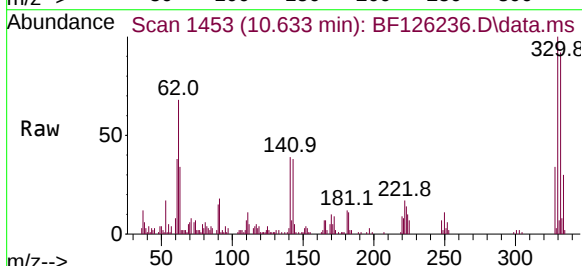
Tgt Ion:330 Resp: 46830

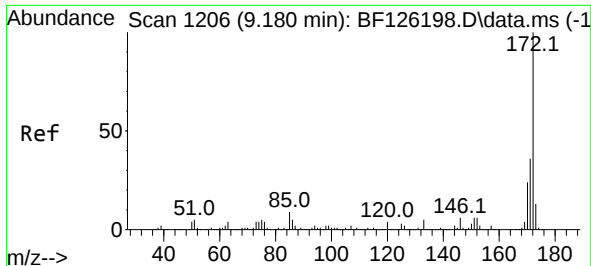
Ion Ratio Lower Upper

330 100

332 93.0 76.2 114.4

141 37.2 44.6 66.8#

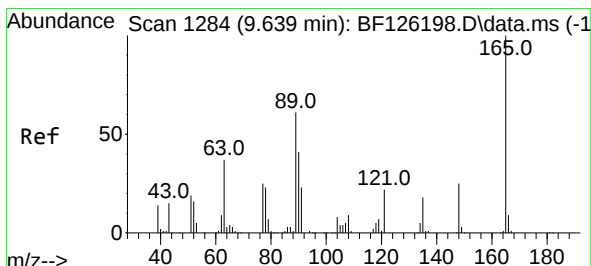
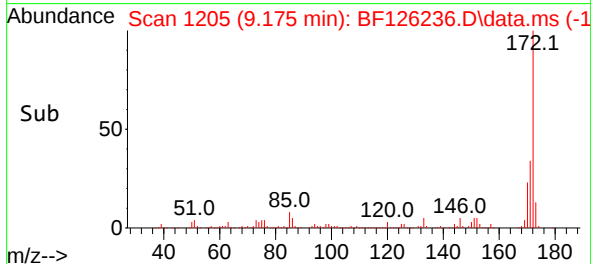
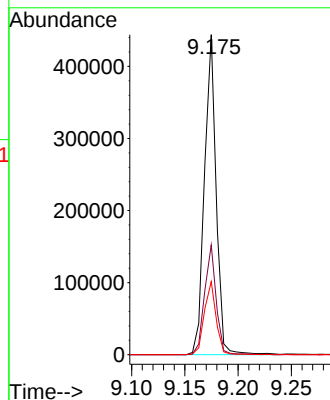
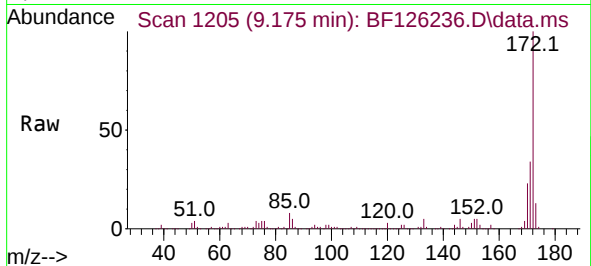




#45
2-Fluorobiphenyl
Concen: 17.513 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

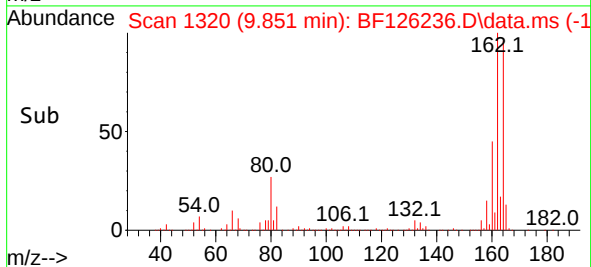
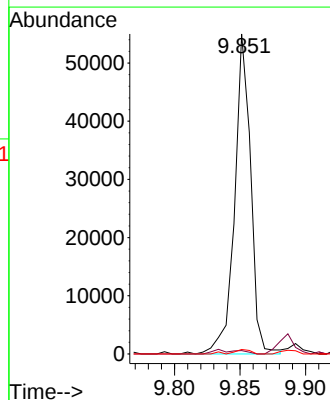
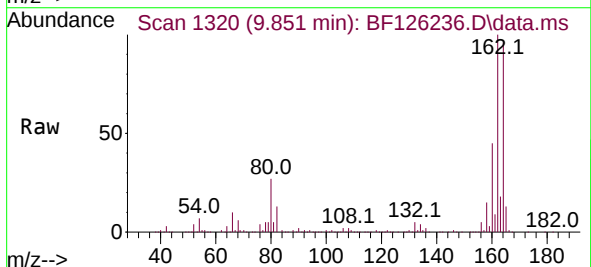
Instrument :
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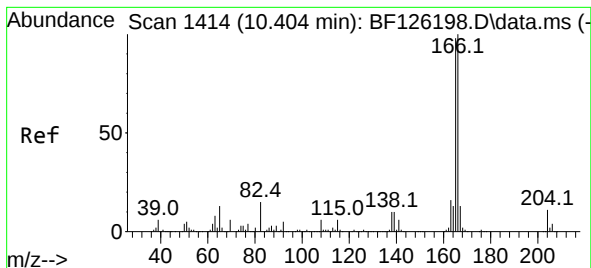
Tgt Ion:172 Resp: 340371
Ion Ratio Lower Upper
172 100
171 34.3 26.5 39.7
170 22.8 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 10.054 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

Tgt Ion:165 Resp: 46989
Ion Ratio Lower Upper
165 100
63 1.1 42.6 63.8#
89 1.4 40.6 60.8#





#58

Fluorene

Concen: 3.065 ng

RT: 10.398 min Scan# 1414

Delta R.T. -0.006 min

Lab File: BF126236.D

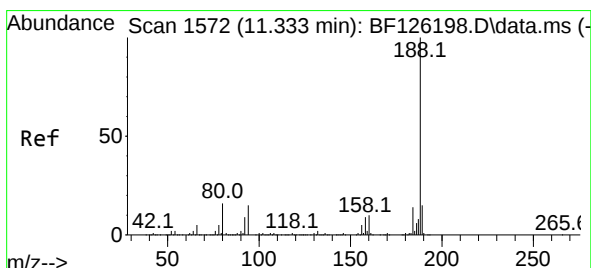
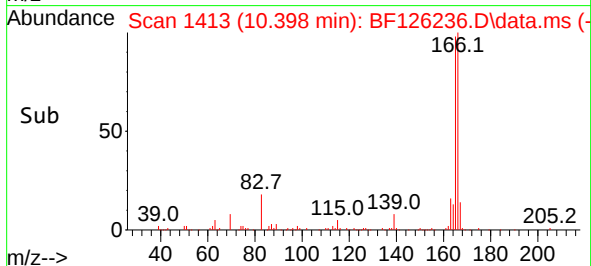
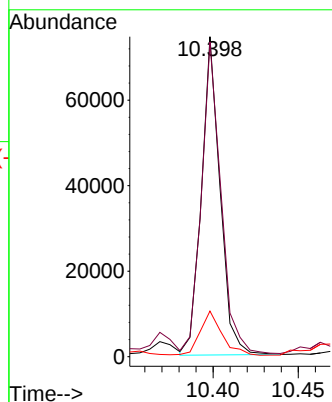
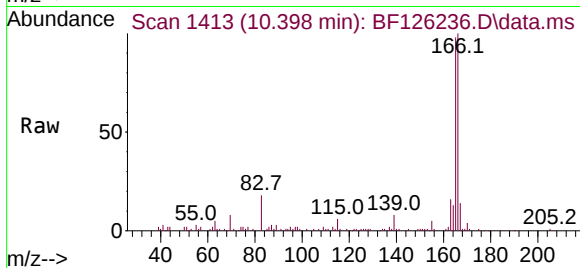
Acq: 17 Dec 2021 15:41

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:166	Resp:	56761
Ion Ratio	Lower	Upper
166	100	
165	98.4	78.1 117.1
167	14.3	11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

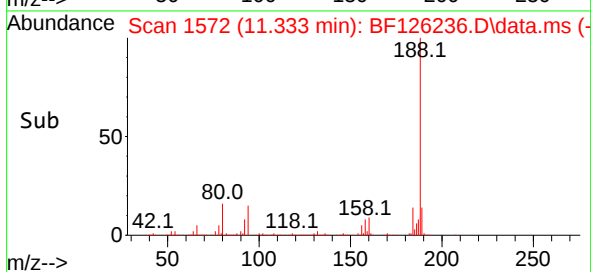
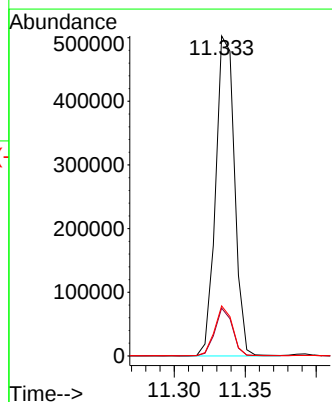
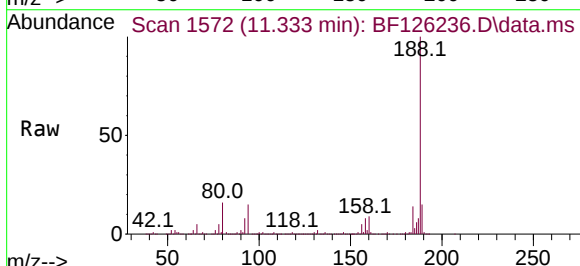
RT: 11.333 min Scan# 1572

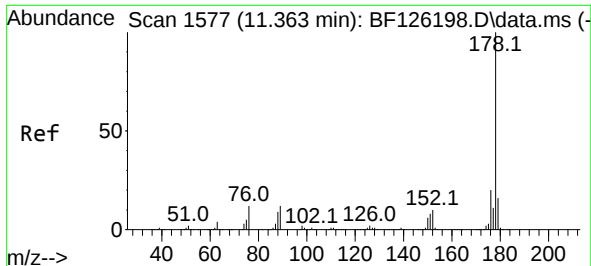
Delta R.T. 0.000 min

Lab File: BF126236.D

Acq: 17 Dec 2021 15:41

Tgt Ion:188	Resp:	464499
Ion Ratio	Lower	Upper
188	100	
94	14.9	6.7 10.1#
80	15.7	7.5 11.3#

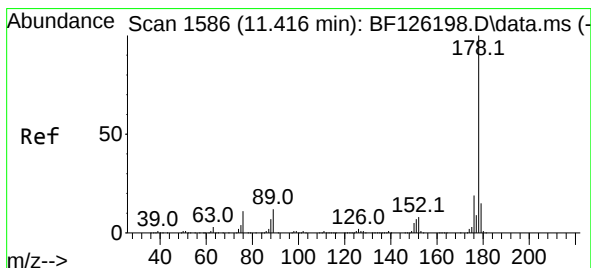
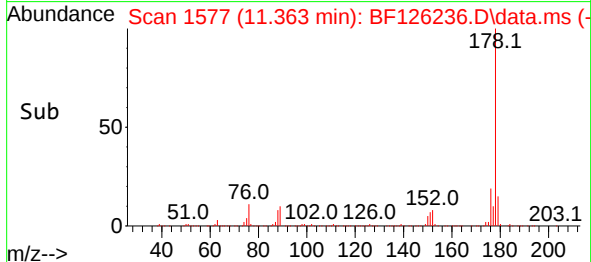
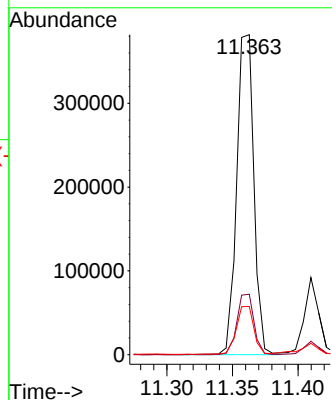
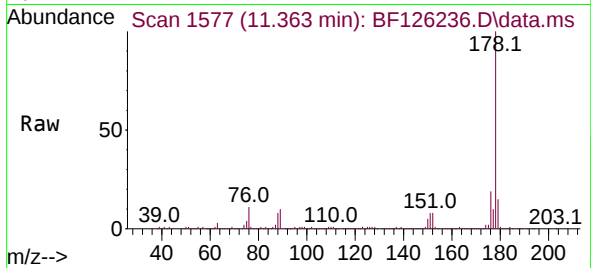




#71
Phenanthrene
Concen: 14.571 ng
RT: 11.363 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

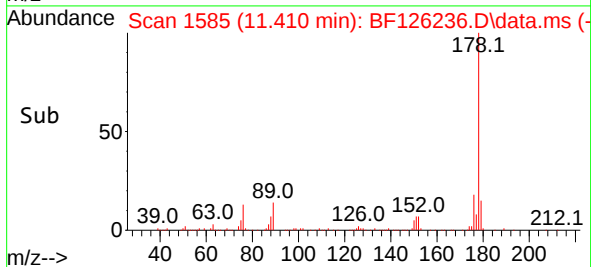
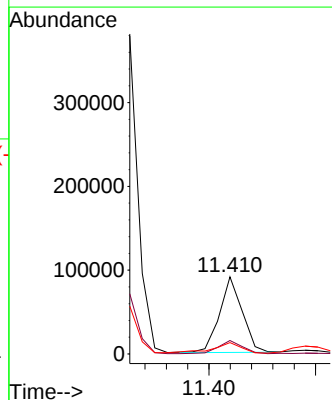
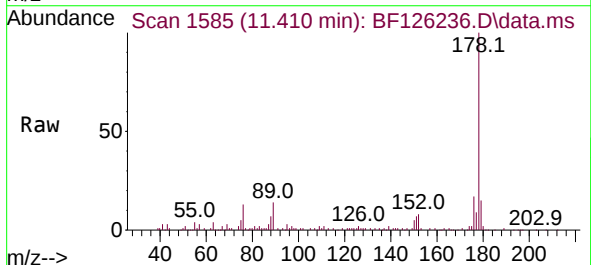
Instrument :
BNA_M
ClientSampleId :

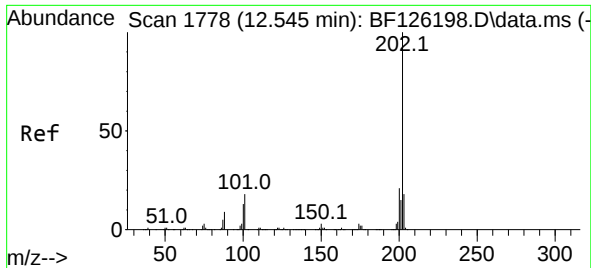
Tgt Ion:178 Resp: 349335
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.1 11.5 17.3



#72
Anthracene
Concen: 2.773 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

Tgt Ion:178 Resp: 66721
Ion Ratio Lower Upper
178 100
176 17.5 14.3 21.5
179 14.8 12.2 18.4

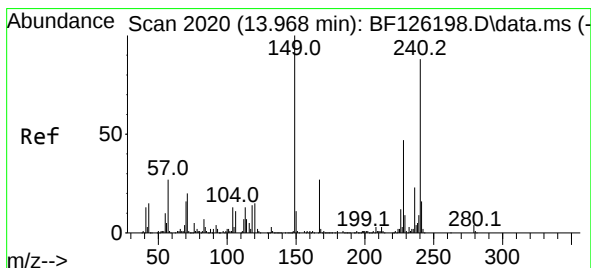
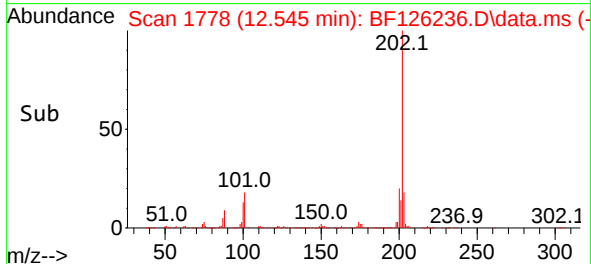
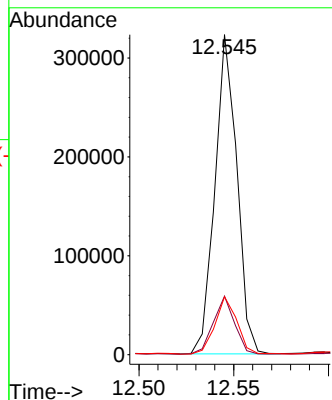
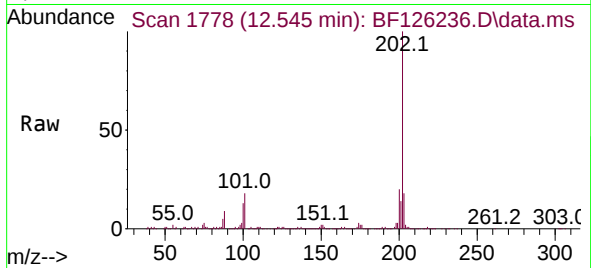




#75
Fluoranthene
Concen: 12.056 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

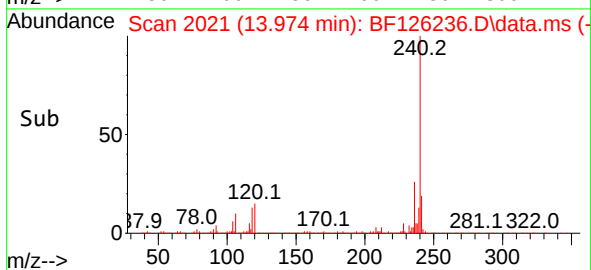
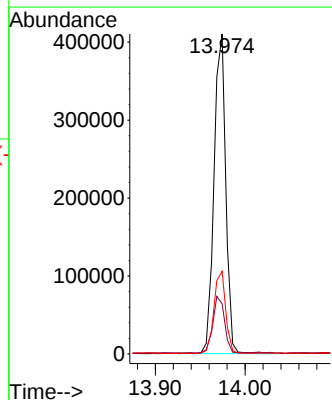
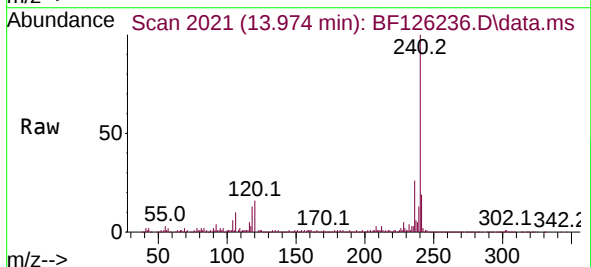
Instrument :
BNA_M
ClientSampleId :

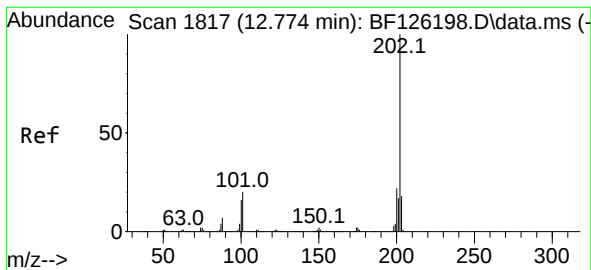
Tgt Ion:202 Resp: 260418
Ion Ratio Lower Upper
202 100
101 18.3 0.0 30.7
203 18.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

Tgt Ion:240 Resp: 373231
Ion Ratio Lower Upper
240 100
120 15.7 10.8 16.2
236 25.9 21.6 32.4





#78

Pyrene

Concen: 9.870 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF126236.D

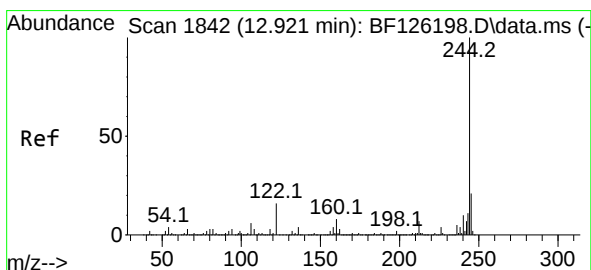
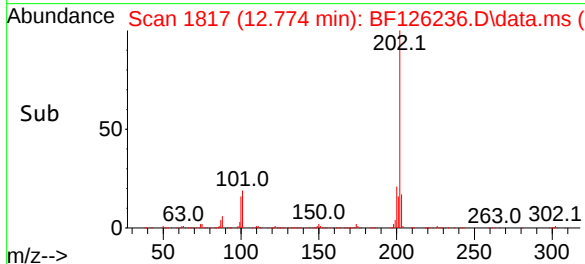
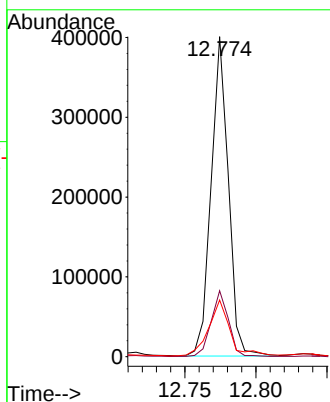
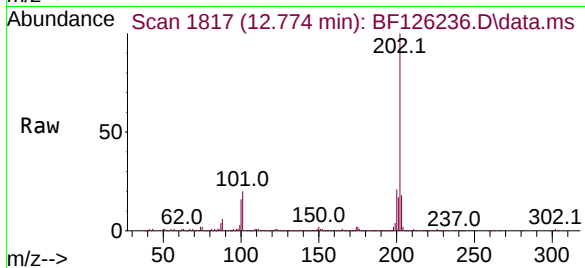
Acq: 17 Dec 2021 15:41

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	202	Resp:	338422
Ion	Ratio	Lower	Upper
202	100		
200	20.6	15.3	22.9
203	17.7	13.4	20.0



#79

Terphenyl-d14

Concen: 11.911 ng

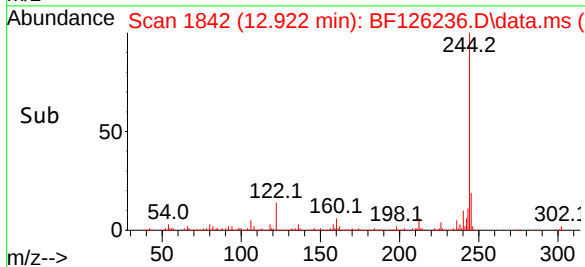
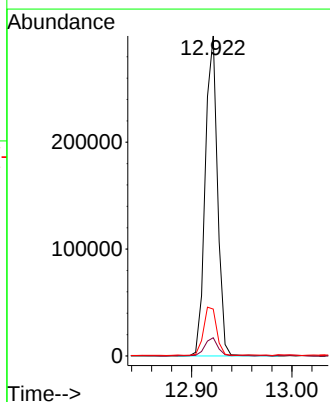
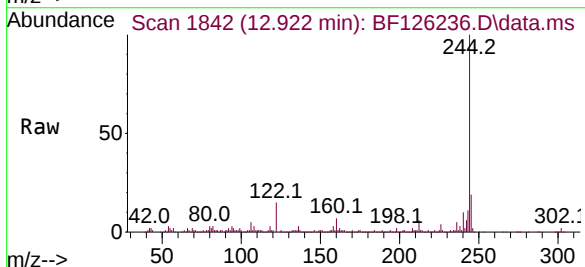
RT: 12.922 min Scan# 1842

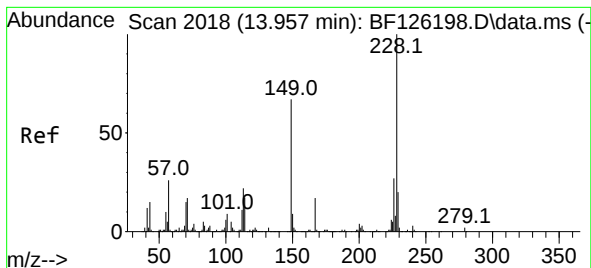
Delta R.T. 0.000 min

Lab File: BF126236.D

Acq: 17 Dec 2021 15:41

Tgt Ion:	244	Resp:	255763
Ion	Ratio	Lower	Upper
244	100		
212	5.7	5.9	8.9#
122	14.7	9.0	13.4#





#81

Benzo(a)anthracene

Concen: 6.070 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.041 min

Lab File: BF126236.D

Acq: 17 Dec 2021 15:41

Instrument :

BNA_M

ClientSampleId :

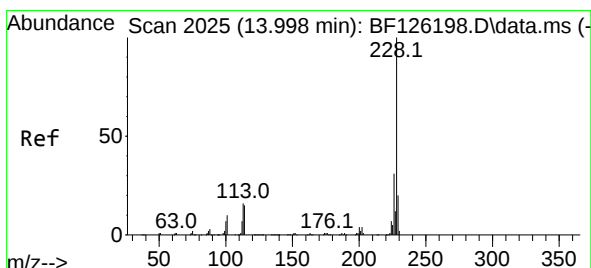
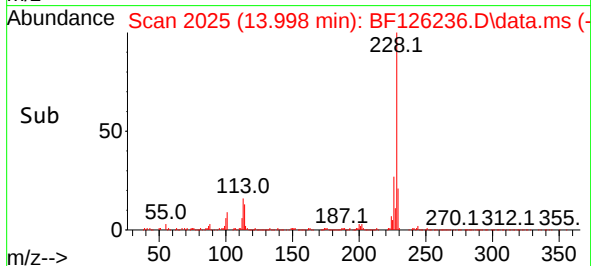
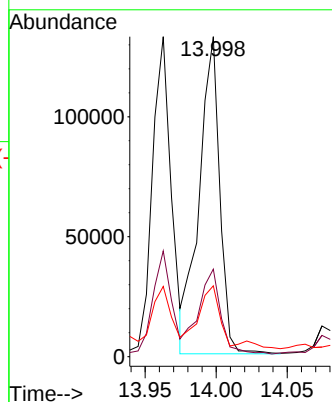
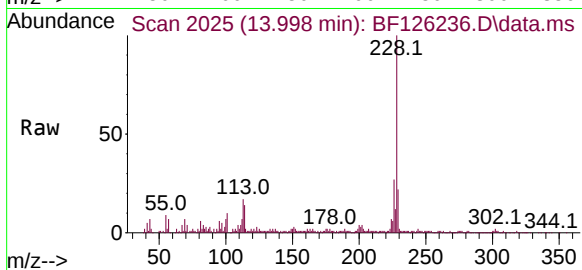
Tgt Ion:228 Resp: 134203

Ion Ratio Lower Upper

228 100

226 27.4 21.6 32.4

229 22.2 15.6 23.4



#83

Chrysene

Concen: 5.842 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF126236.D

Acq: 17 Dec 2021 15:41

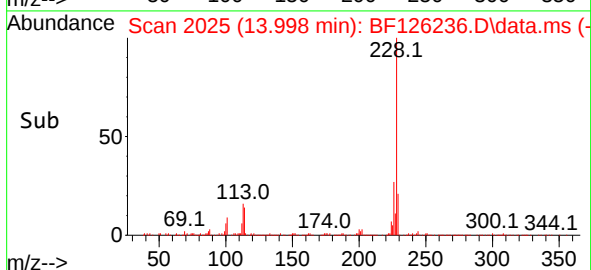
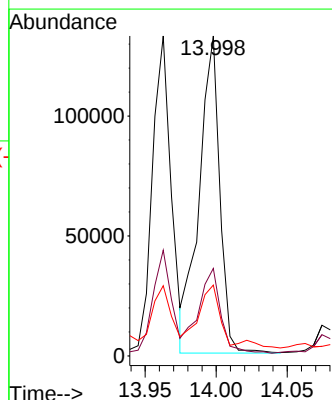
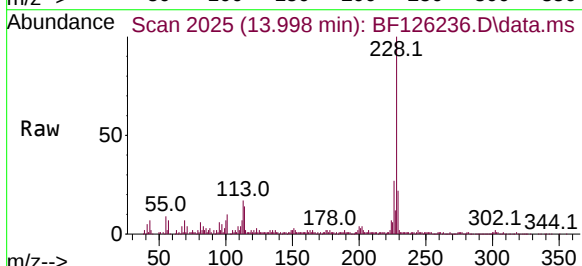
Tgt Ion:228 Resp: 134203

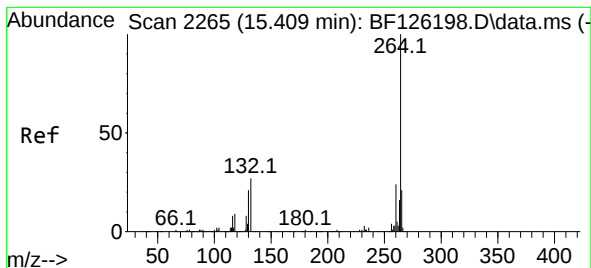
Ion Ratio Lower Upper

228 100

226 27.4 22.6 34.0

229 22.2 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF126236.D

Acq: 17 Dec 2021 15:41

Instrument :

BNA_M

ClientSampleId :

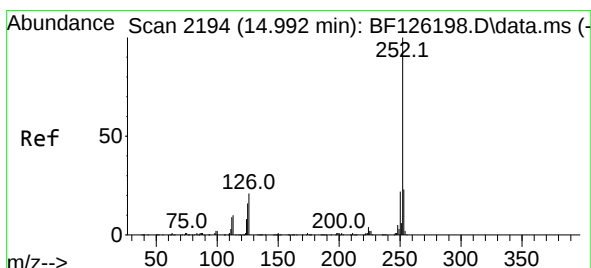
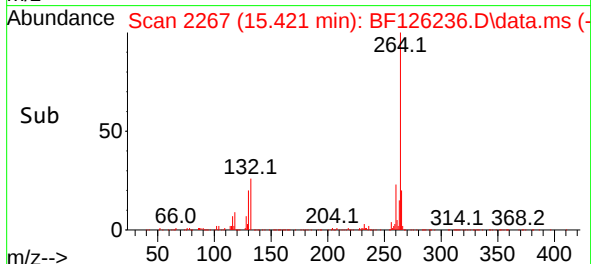
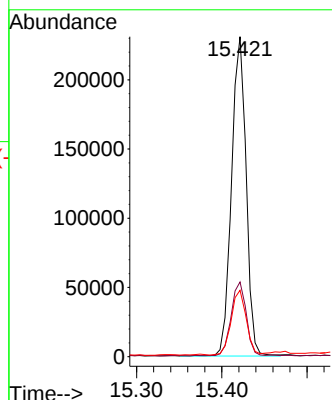
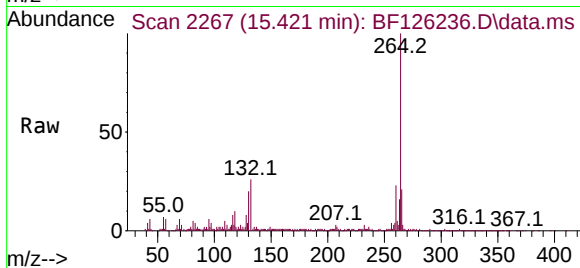
Tgt Ion:264 Resp: 275282

Ion Ratio Lower Upper

264 100

260 23.4 19.6 29.4

265 20.7 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 8.676 ng

RT: 14.998 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF126236.D

Acq: 17 Dec 2021 15:41

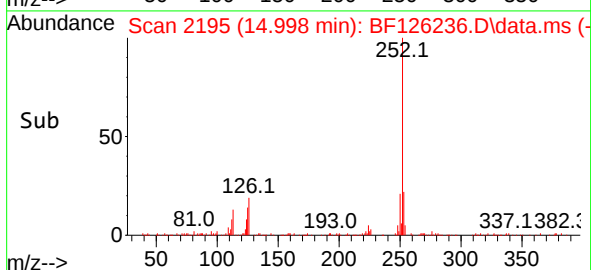
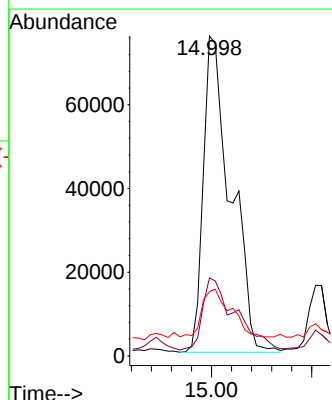
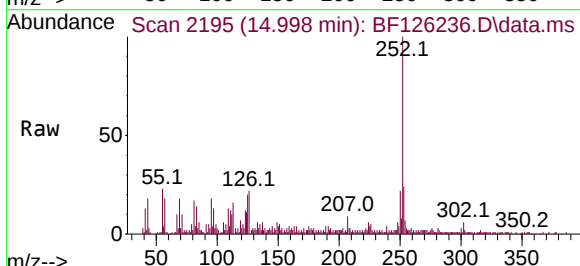
Tgt Ion:252 Resp: 143512

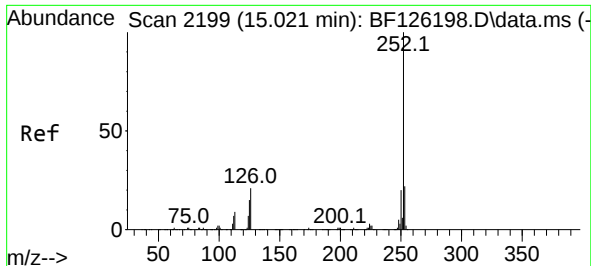
Ion Ratio Lower Upper

252 100

253 24.4 16.8 25.2

125 20.1 9.8 14.8#

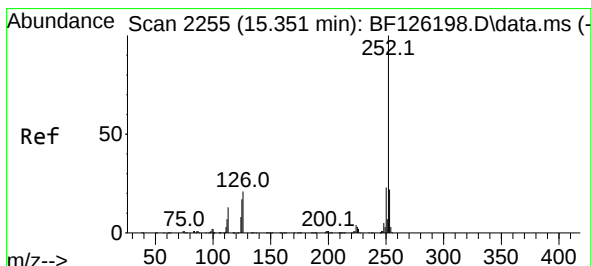
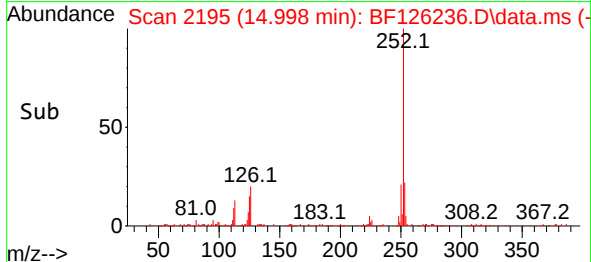
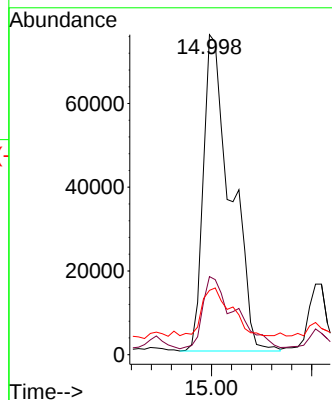
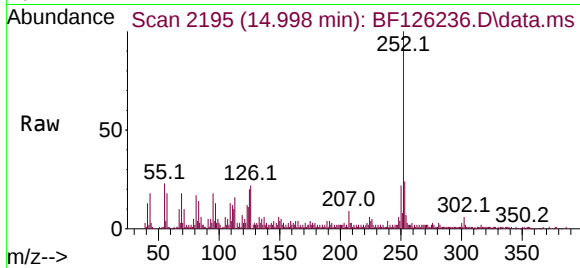




#89
Benzo(k)fluoranthene
Concen: 9.070 ng
RT: 14.998 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

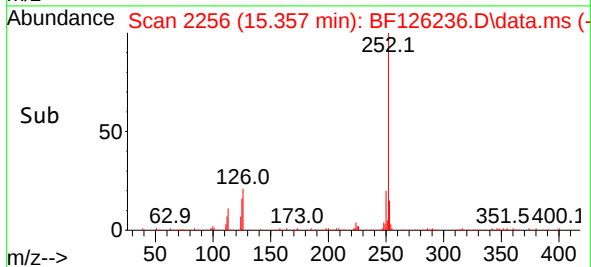
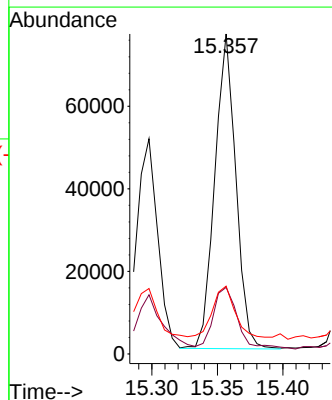
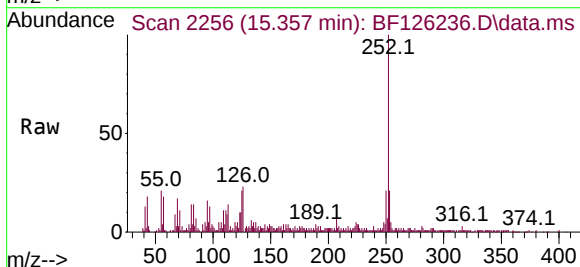
Instrument :
BNA_M
ClientSampleId :

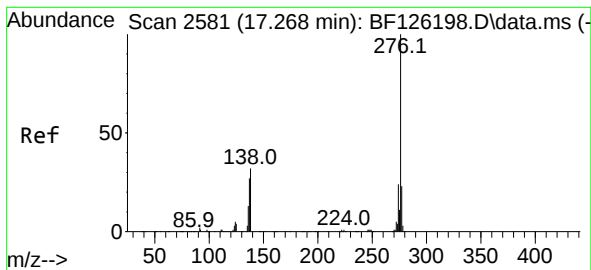
Tgt Ion:252 Resp: 143512
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 20.1 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 6.185 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126236.D
Acq: 17 Dec 2021 15:41

Tgt Ion:252 Resp: 85021
Ion Ratio Lower Upper
252 100
253 20.8 18.4 27.6
125 21.2 9.9 14.9#





#92

Benzo(g,h,i)perylene

Concen: 2.746 ng

RT: 17.274 min Scan# 21

Delta R.T. 0.006 min

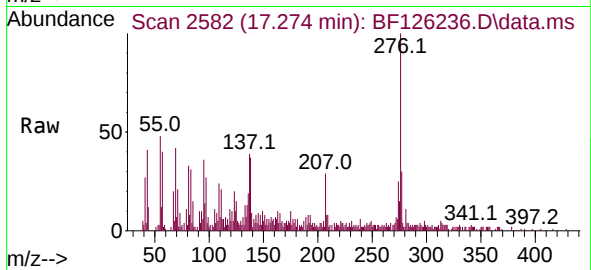
Lab File: BF126236.D

Acq: 17 Dec 2021 15:41

Instrument :

BNA_M

ClientSampleId :



Tgt Ion:276 Resp: 42407

Ion Ratio Lower Upper

276 100

277 30.2 22.0 33.0

138 36.9 22.2 33.4#

