

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
 Data File : BF126239.D
 Acq On : 17 Dec 2021 17:19
 Operator : JU/CG
 Sample : M5083-11DL2 50X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 17 17:43:46 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)

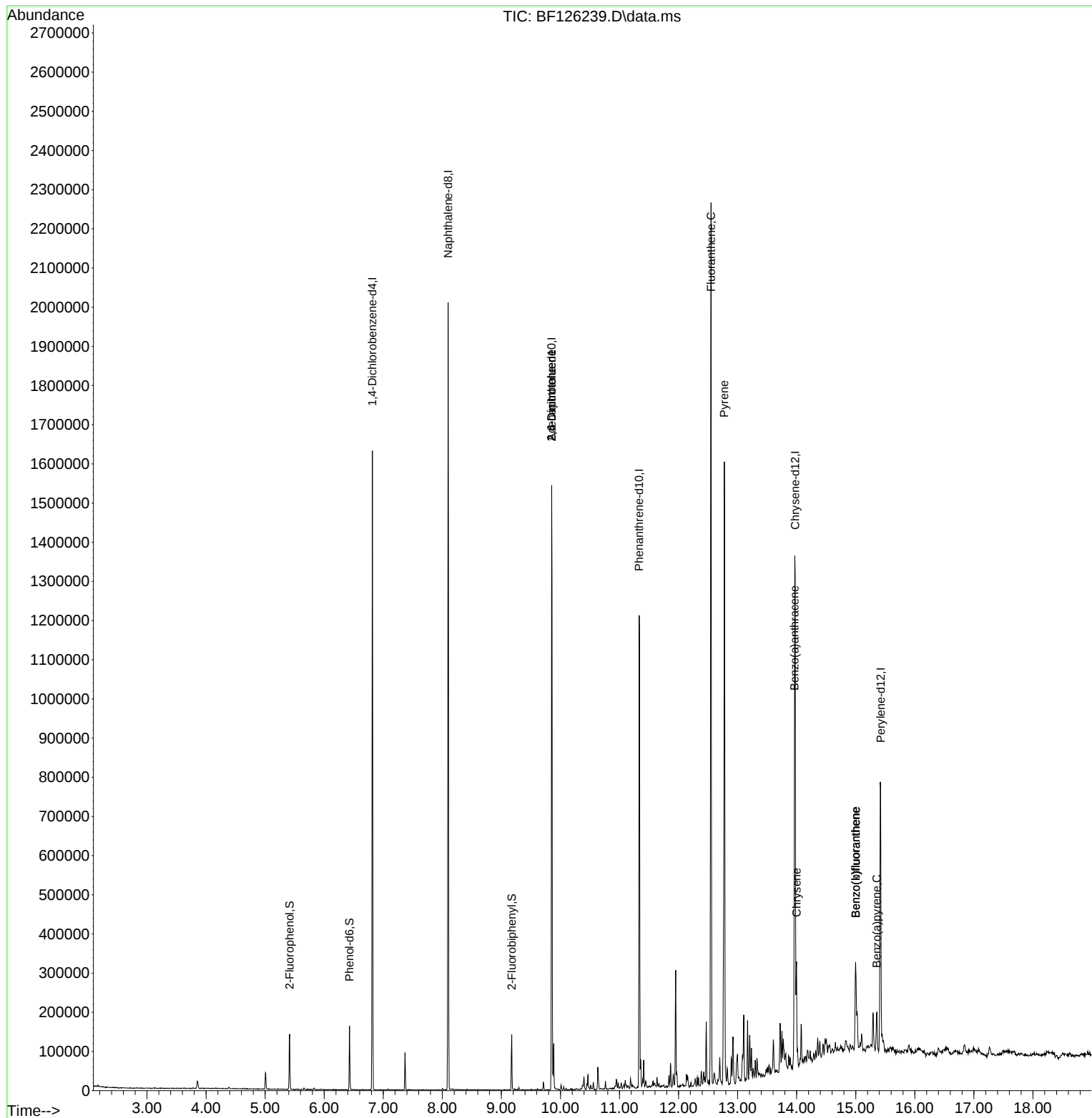
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	213456	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	802655	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	308687	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	431227	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	368556	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	282797	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	39808	2.746	ng	0.00
7) Phenol-d6	6.428	99	48462	2.633	ng	-0.02
23) Nitrobenzene-d5	7.369	82	27530	1.858	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	4846	1.953	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	39875	2.266	ng	0.00
79) Terphenyl-d14	12.922	244	29250	1.379	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.851	165	38711	9.147	ng	# 28
57) 2,4-Dinitrotoluene	9.851	165	38711	7.170	ng	# 19
75) Fluoranthene	12.551	202	811863	40.486	ng	92
78) Pyrene	12.774	202	604811	17.862	ng	97
81) Benzo(a)anthracene	13.963	228	183188	8.391	ng	98
83) Chrysene	13.998	228	94938	4.185	ng	97
88) Benzo(b)fluoranthene	14.998	252	144488	8.503	ng	# 93
89) Benzo(k)fluoranthene	14.998	252	144488	8.889	ng	# 93
90) Benzo(a)pyrene	15.357	252	46575	3.298	ng	97

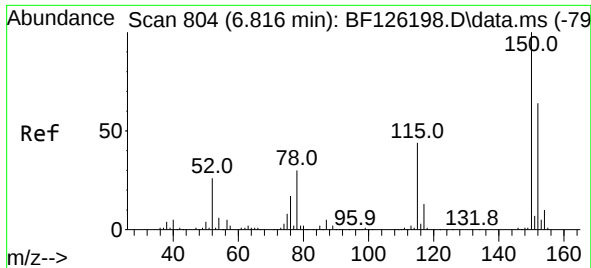
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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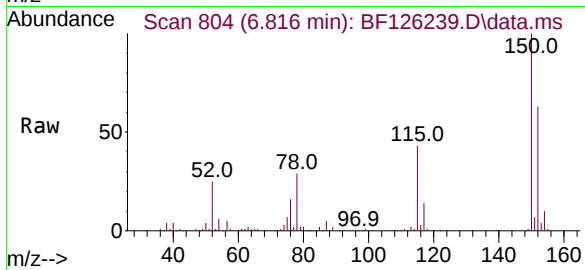
Quant Time: Dec 17 17:43:46 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
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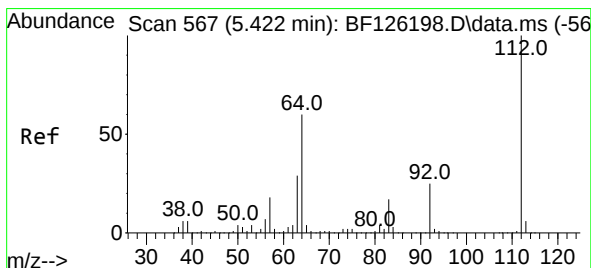
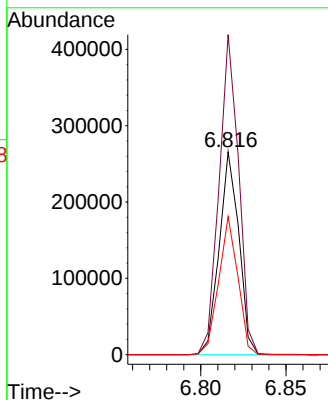
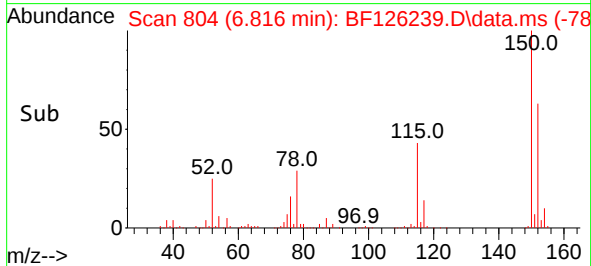


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF126239.D
Acq: 17 Dec 2021 17:19

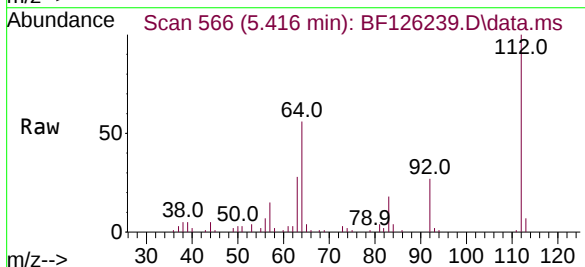
Instrument :
BNA_M
ClientSampleId :



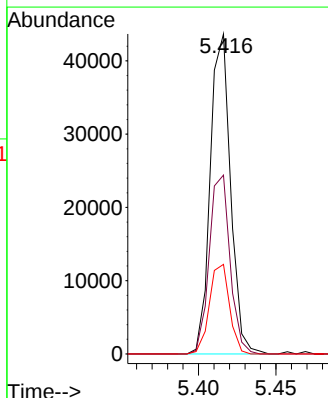
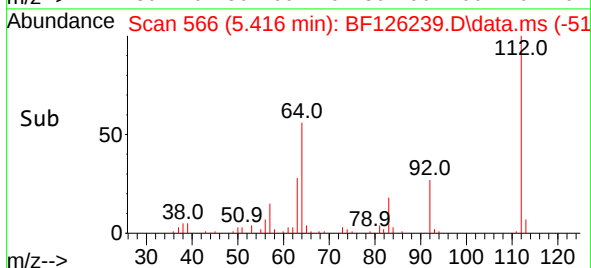
Tgt Ion:152 Resp: 213456
Ion Ratio Lower Upper
152 100
150 157.7 117.6 176.4
115 68.1 47.1 70.7

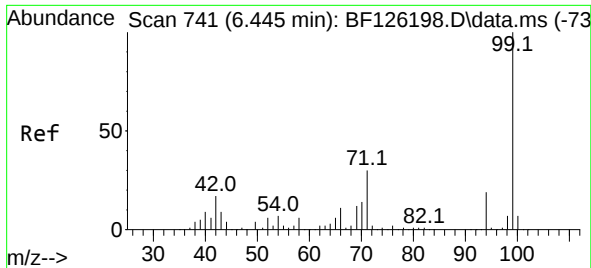


#5
2-Fluorophenol
Concen: 2.746 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF126239.D
Acq: 17 Dec 2021 17:19



Tgt Ion:112 Resp: 39808
Ion Ratio Lower Upper
112 100
64 55.9 44.2 66.2
63 28.0 26.2 39.2

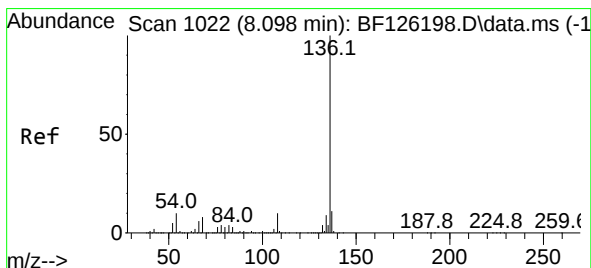
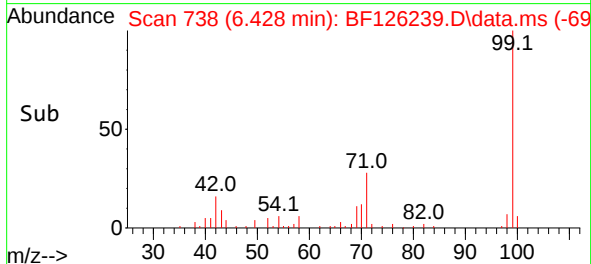
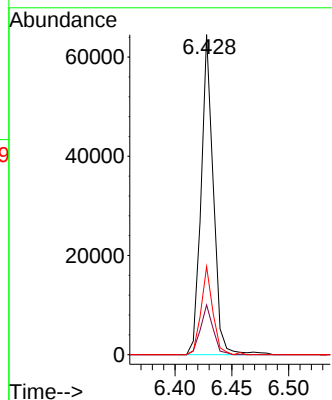
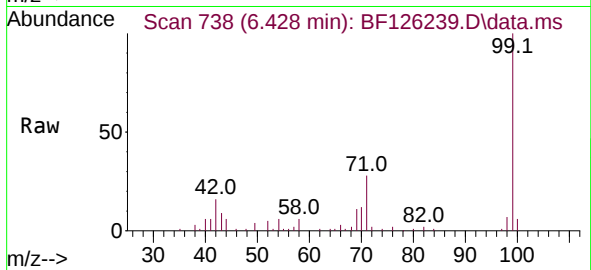




#7
Phenol-d6
Concen: 2.633 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF126239.D
Acq: 17 Dec 2021 17:19

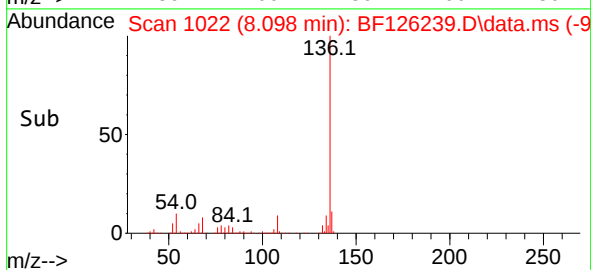
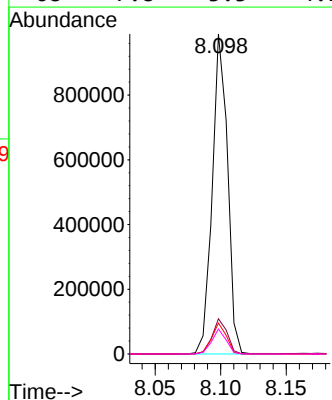
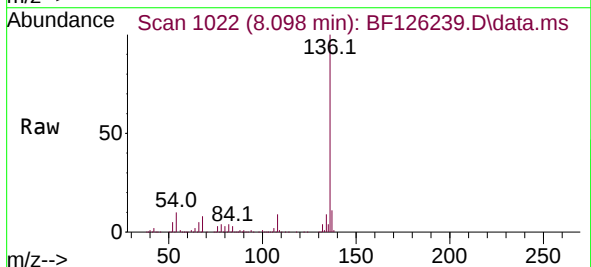
Instrument :
BNA_M
ClientSampleId :

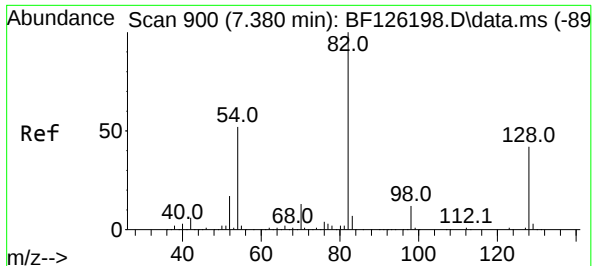
Tgt Ion: 99 Resp: 48462
Ion Ratio Lower Upper
99 100
42 15.6 23.5 35.3#
71 27.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126239.D
Acq: 17 Dec 2021 17:19

Tgt Ion: 136 Resp: 802655
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 9.7 6.4 9.6#
68 7.8 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 1.858 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126239.D

Acq: 17 Dec 2021 17:19

Instrument :

BNA_M

ClientSampleId :

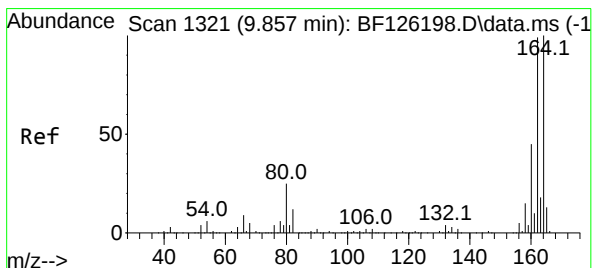
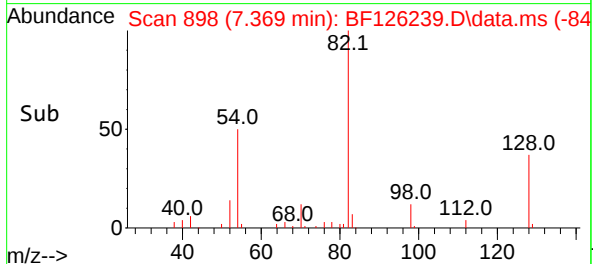
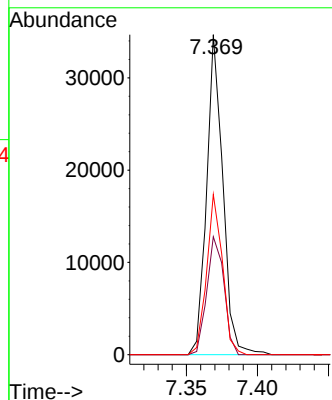
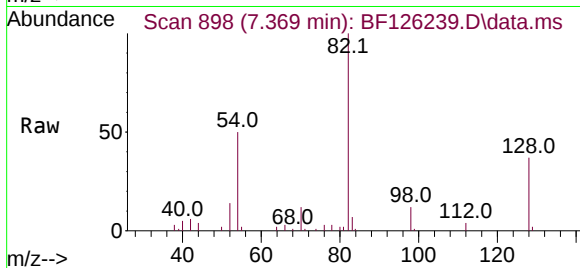
Tgt Ion: 82 Resp: 27530

Ion Ratio Lower Upper

82 100

128 36.8 40.6 60.8#

54 50.0 49.6 74.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF126239.D

Acq: 17 Dec 2021 17:19

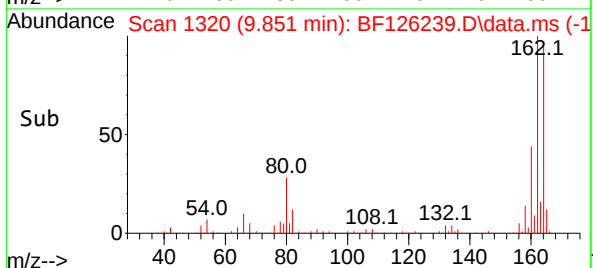
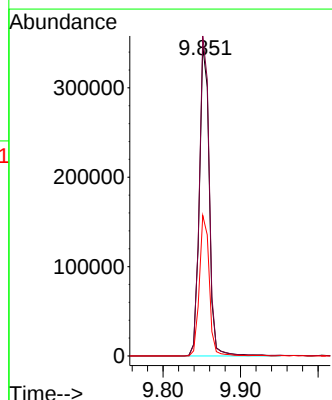
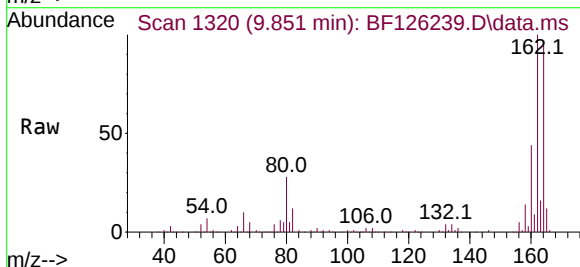
Tgt Ion:164 Resp: 308687

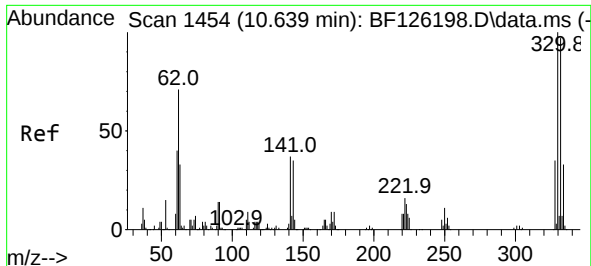
Ion Ratio Lower Upper

164 100

162 103.2 81.3 121.9

160 45.3 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 1.953 ng

RT: 10.633 min Scan# 1453

Delta R.T. -0.006 min

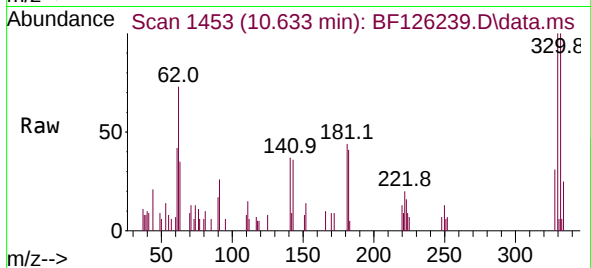
Lab File: BF126239.D

Acq: 17 Dec 2021 17:19

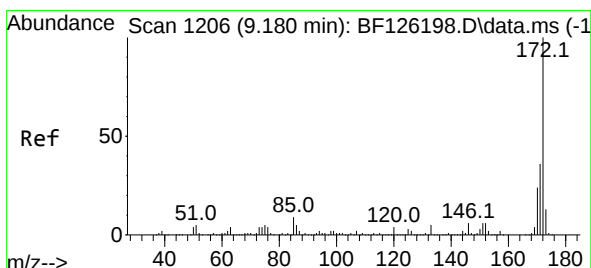
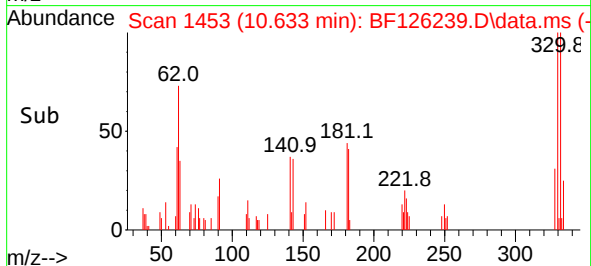
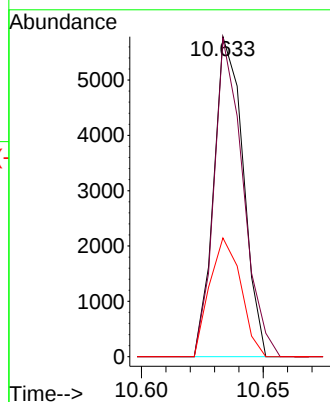
Instrument :

BNA_M

ClientSampleId :



Tgt Ion:	330	Resp:	4846
Ion Ratio	Lower	Upper	
330	100		
332	98.6	76.2	114.4
141	39.4	44.6	66.8#



#45

2-Fluorobiphenyl

Concen: 2.266 ng

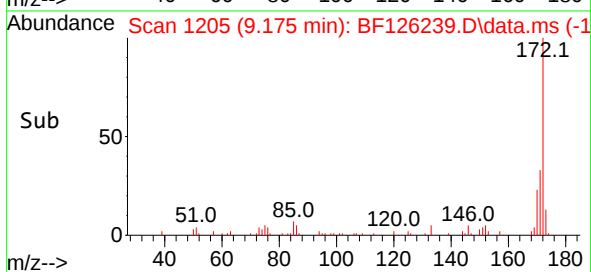
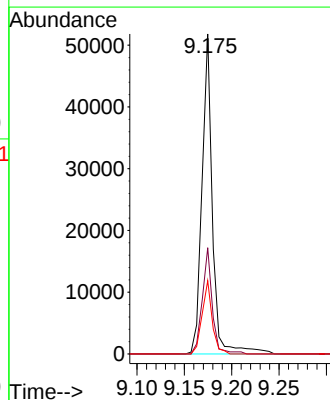
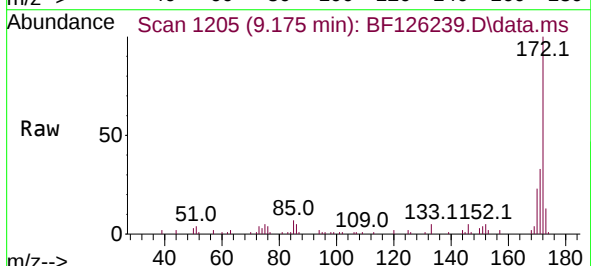
RT: 9.175 min Scan# 1205

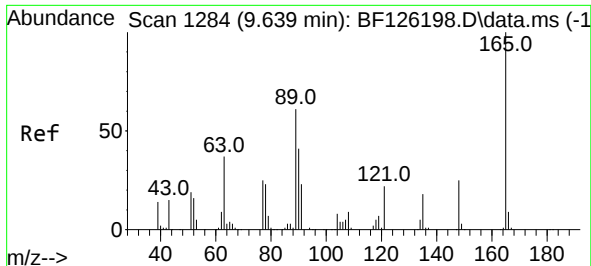
Delta R.T. -0.006 min

Lab File: BF126239.D

Acq: 17 Dec 2021 17:19

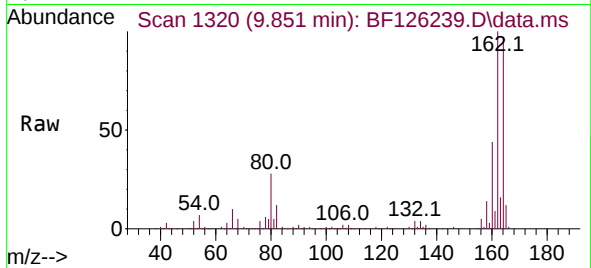
Tgt Ion:	172	Resp:	39875
Ion Ratio	Lower	Upper	
172	100		
171	33.2	26.5	39.7
170	22.9	18.8	28.2



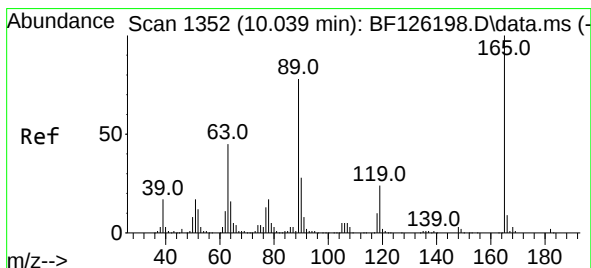
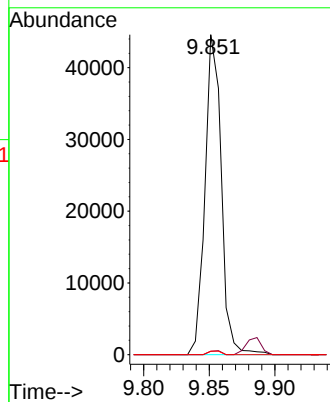
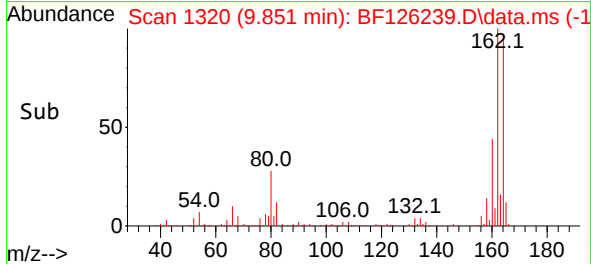


#51
2,6-Dinitrotoluene
Concen: 9.147 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126239.D
Acq: 17 Dec 2021 17:19

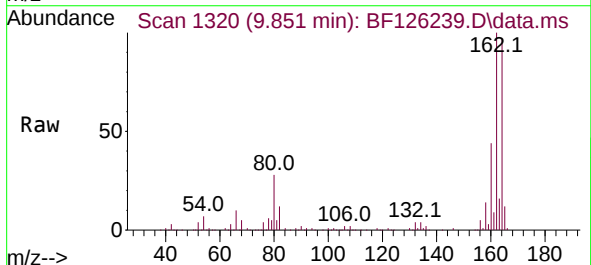
Instrument :
BNA_M
ClientSampleId :



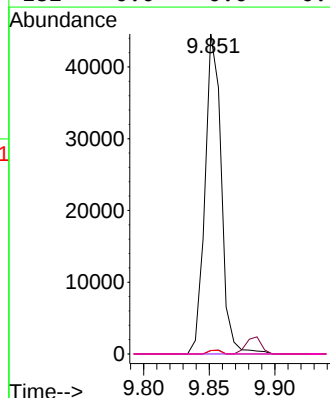
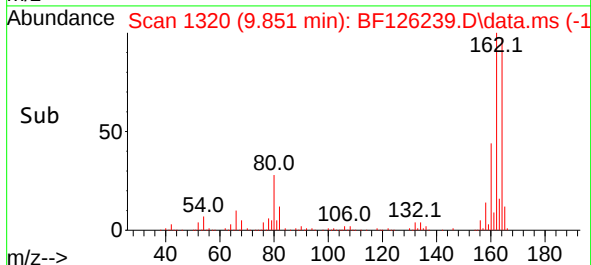
Tgt Ion:165 Resp: 38711
Ion Ratio Lower Upper
165 100
63 1.1 42.6 63.8#
89 1.1 40.6 60.8#

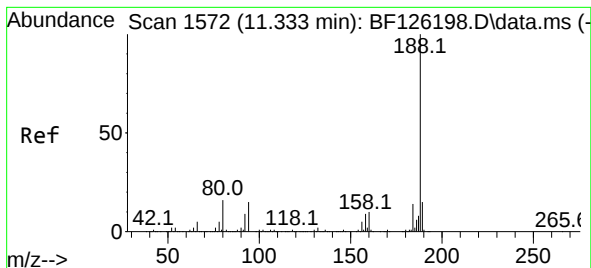


#57
2,4-Dinitrotoluene
Concen: 7.170 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF126239.D
Acq: 17 Dec 2021 17:19



Tgt Ion:165 Resp: 38711
Ion Ratio Lower Upper
165 100
63 1.1 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# 11

Delta R.T. 0.000 min

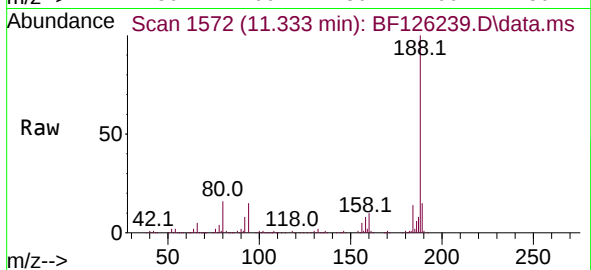
Lab File: BF126239.D

Acq: 17 Dec 2021 17:19

Instrument :

BNA_M

ClientSampleId :



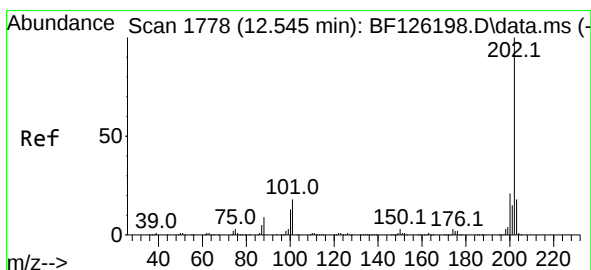
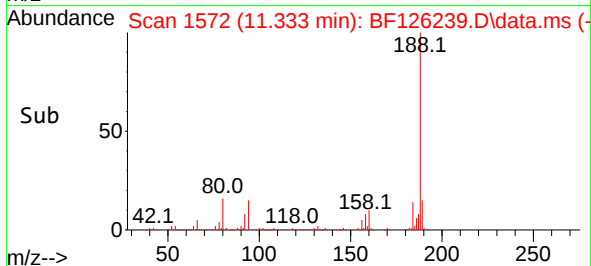
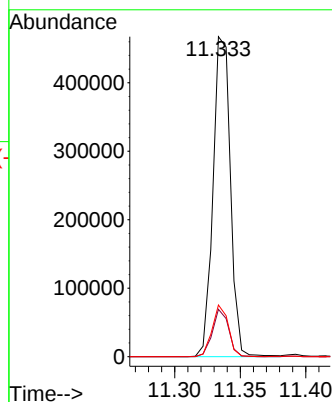
Tgt Ion:188 Resp: 431227

Ion Ratio Lower Upper

188 100

94 14.8 6.7 10.1#

80 16.2 7.5 11.3#



#75

Fluoranthene

Concen: 40.486 ng

RT: 12.551 min Scan# 1779

Delta R.T. 0.006 min

Lab File: BF126239.D

Acq: 17 Dec 2021 17:19

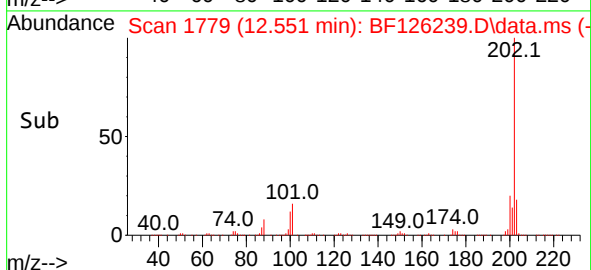
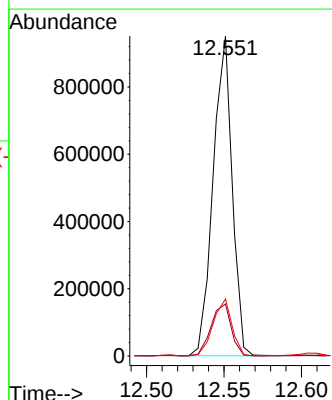
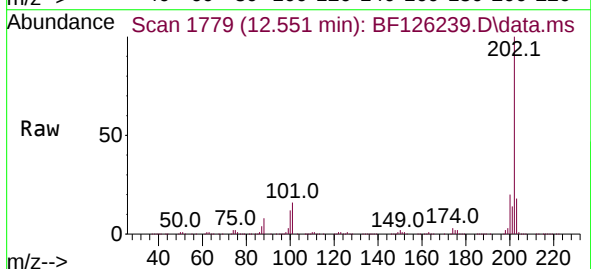
Tgt Ion:202 Resp: 811863

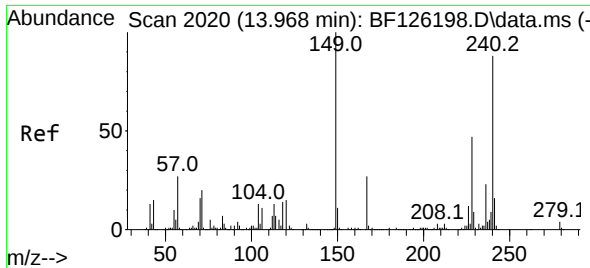
Ion Ratio Lower Upper

202 100

101 16.2 0.0 30.7

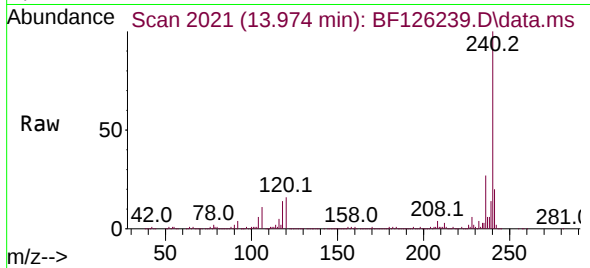
203 17.8 0.0 36.3



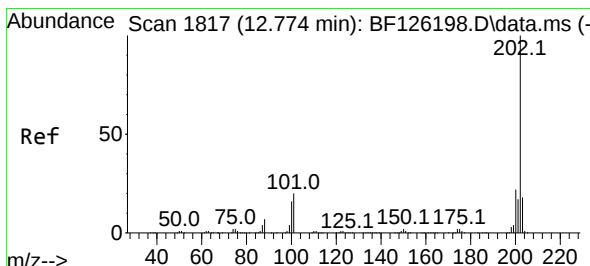
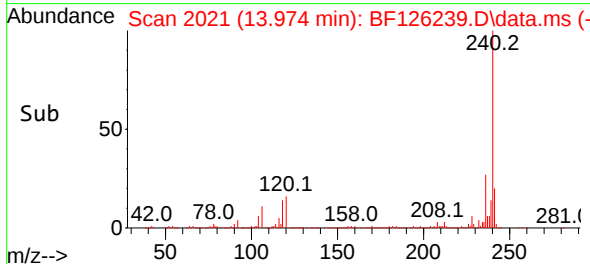
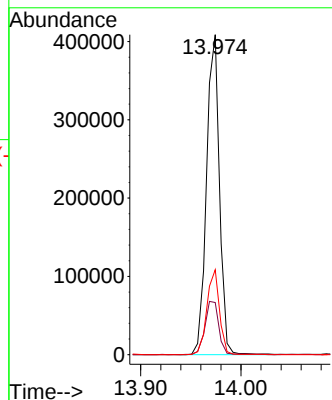


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF126239.D
Acq: 17 Dec 2021 17:19

Instrument :
BNA_M
ClientSampleId :

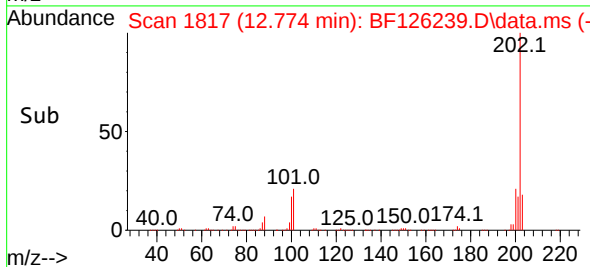
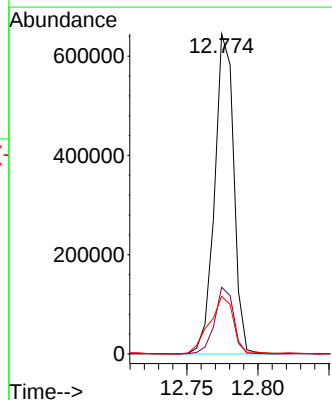
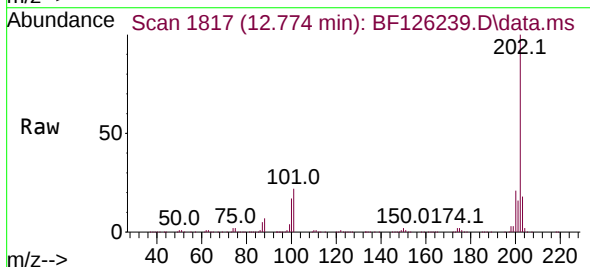


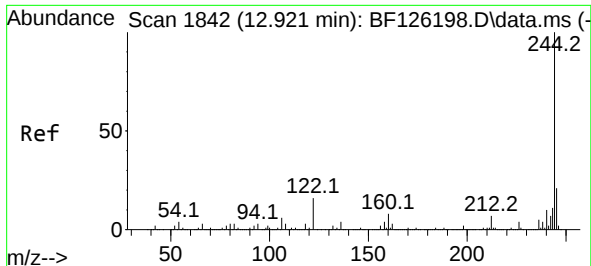
Tgt Ion:240 Resp: 368556
Ion Ratio Lower Upper
240 100
120 16.3 10.8 16.2#
236 26.6 21.6 32.4



#78
Pyrene
Concen: 17.862 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF126239.D
Acq: 17 Dec 2021 17:19

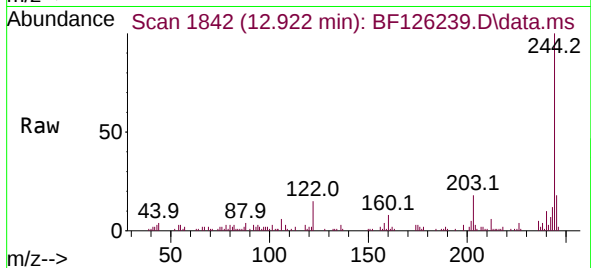
Tgt Ion:202 Resp: 604811
Ion Ratio Lower Upper
202 100
200 20.9 15.3 22.9
203 18.0 13.4 20.0



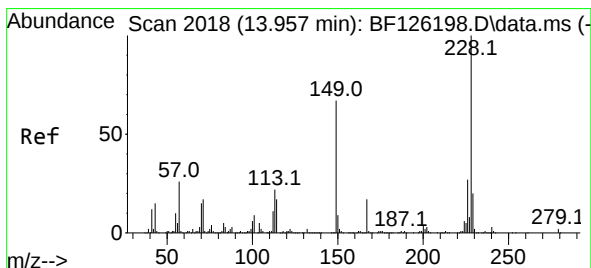
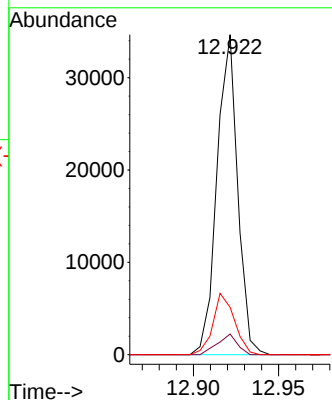
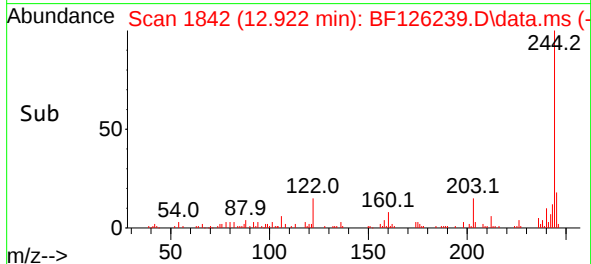


#79
 Terphenyl-d14
 Concen: 1.379 ng
 RT: 12.922 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF126239.D
 Acq: 17 Dec 2021 17:19

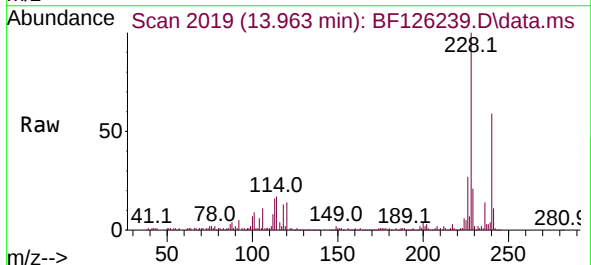
Instrument :
 BNA_M
 ClientSampleId :



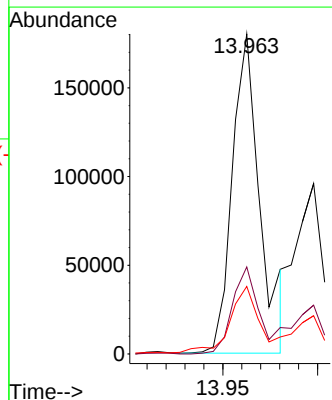
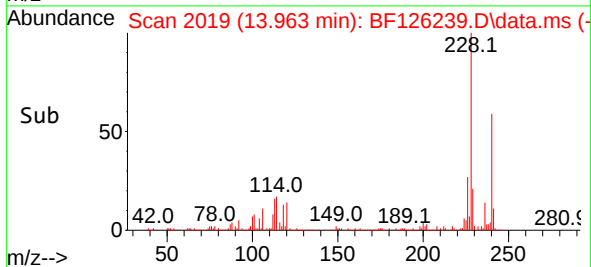
Tgt Ion:244 Resp: 29250
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.9 8.9
 122 14.8 9.0 13.4#

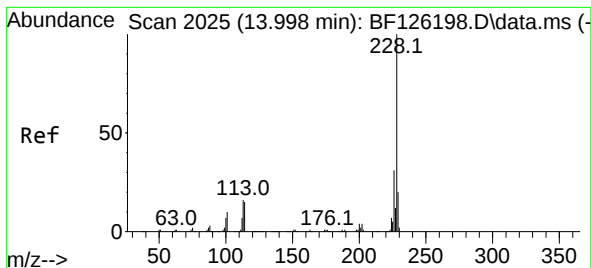


#81
 Benzo(a)anthracene
 Concen: 8.391 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF126239.D
 Acq: 17 Dec 2021 17:19



Tgt Ion:228 Resp: 183188
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.6 32.4
 229 21.1 15.6 23.4





#83

Chrysene

Concen: 4.185 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF126239.D

Acq: 17 Dec 2021 17:19

Instrument :

BNA_M

ClientSampleId :

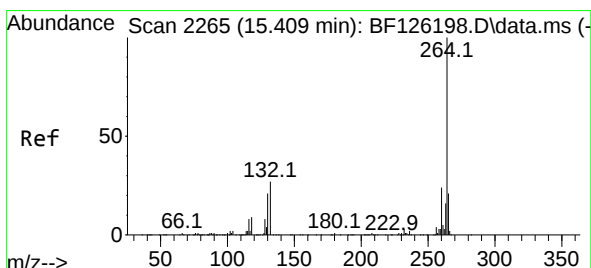
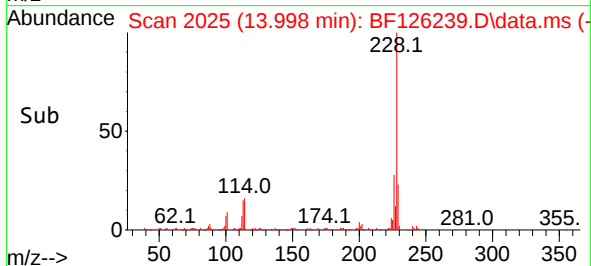
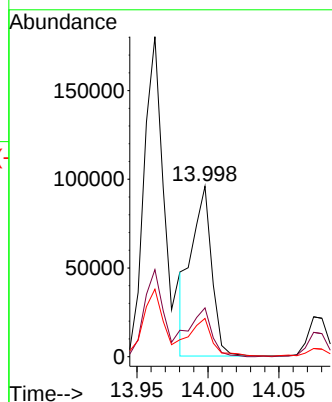
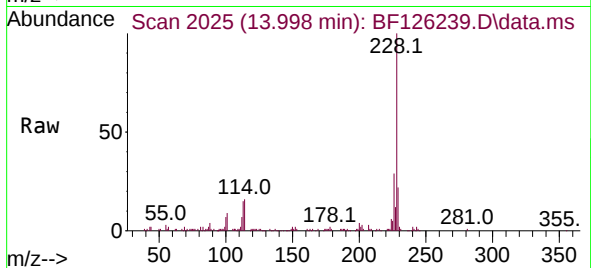
Tgt Ion:228 Resp: 94938

Ion Ratio Lower Upper

228 100

226 28.7 22.6 34.0

229 22.4 15.9 23.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2267

Delta R.T. 0.012 min

Lab File: BF126239.D

Acq: 17 Dec 2021 17:19

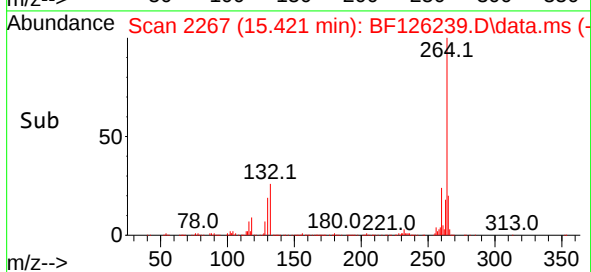
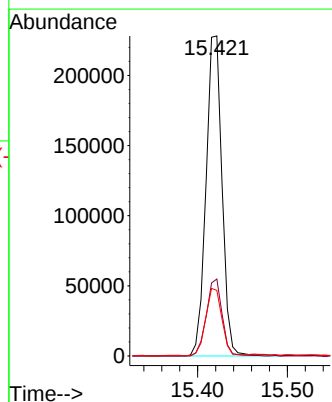
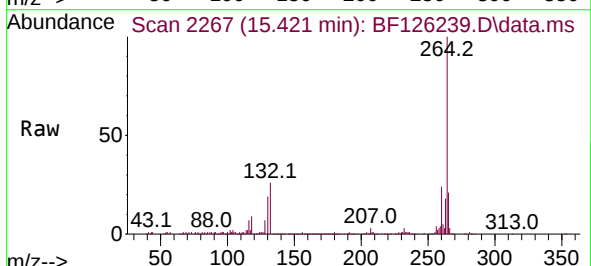
Tgt Ion:264 Resp: 282797

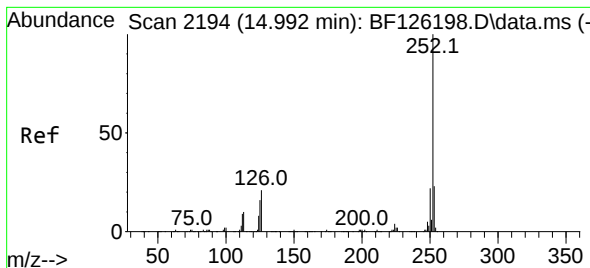
Ion Ratio Lower Upper

264 100

260 24.0 19.6 29.4

265 20.5 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 8.503 ng

RT: 14.998 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF126239.D

Acq: 17 Dec 2021 17:19

Instrument :

BNA_M

ClientSampleId :

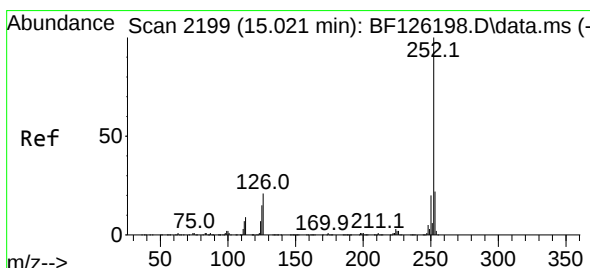
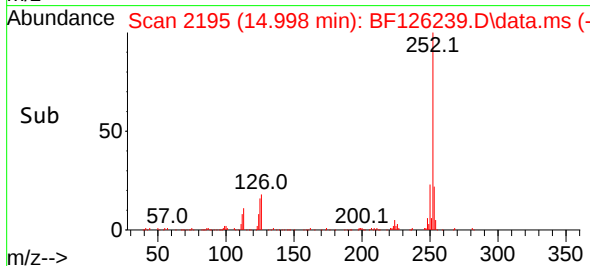
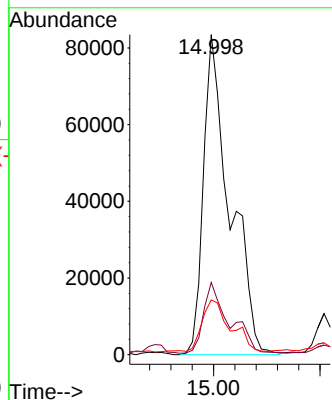
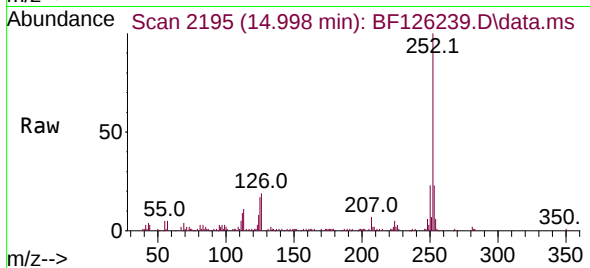
Tgt Ion:252 Resp: 144488

Ion Ratio Lower Upper

252 100

253 22.5 16.8 25.2

125 17.1 9.8 14.8#



#89

Benzo(k)fluoranthene

Concen: 8.889 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.023 min

Lab File: BF126239.D

Acq: 17 Dec 2021 17:19

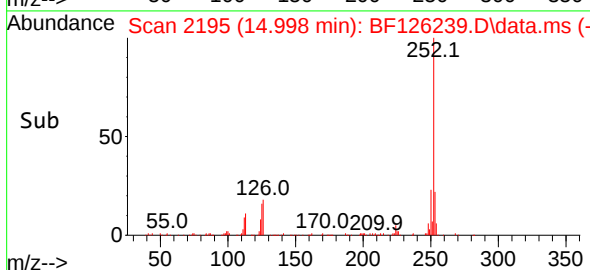
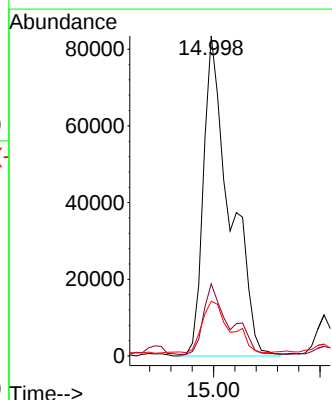
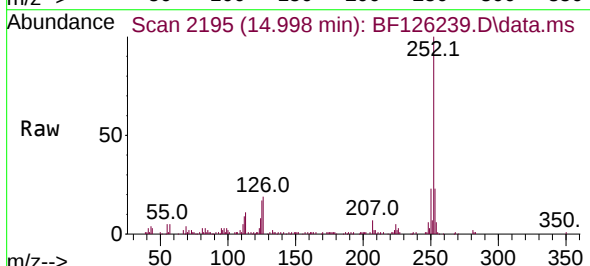
Tgt Ion:252 Resp: 144488

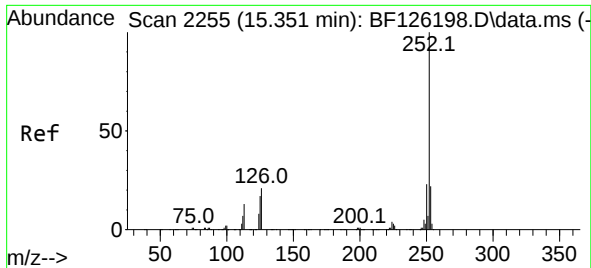
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

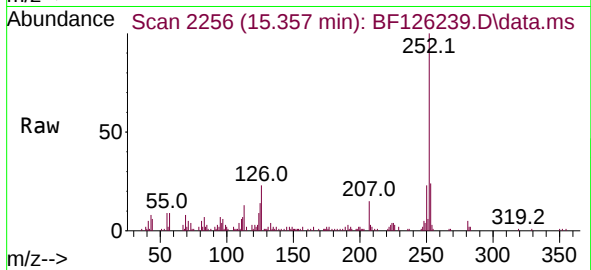
125 17.1 7.2 10.8#





#90
 Benzo(a)pyrene
 Concen: 3.298 ng
 RT: 15.357 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF126239.D
 Acq: 17 Dec 2021 17:19

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:252 Resp: 46575
 Ion Ratio Lower Upper
 252 100
 253 23.8 18.4 27.6
 125 14.2 9.9 14.9

