

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
 Data File : BF126274.D
 Acq On : 20 Dec 2021 13:00
 Operator : JU/CG
 Sample : M5168-05RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 14:29:17 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)

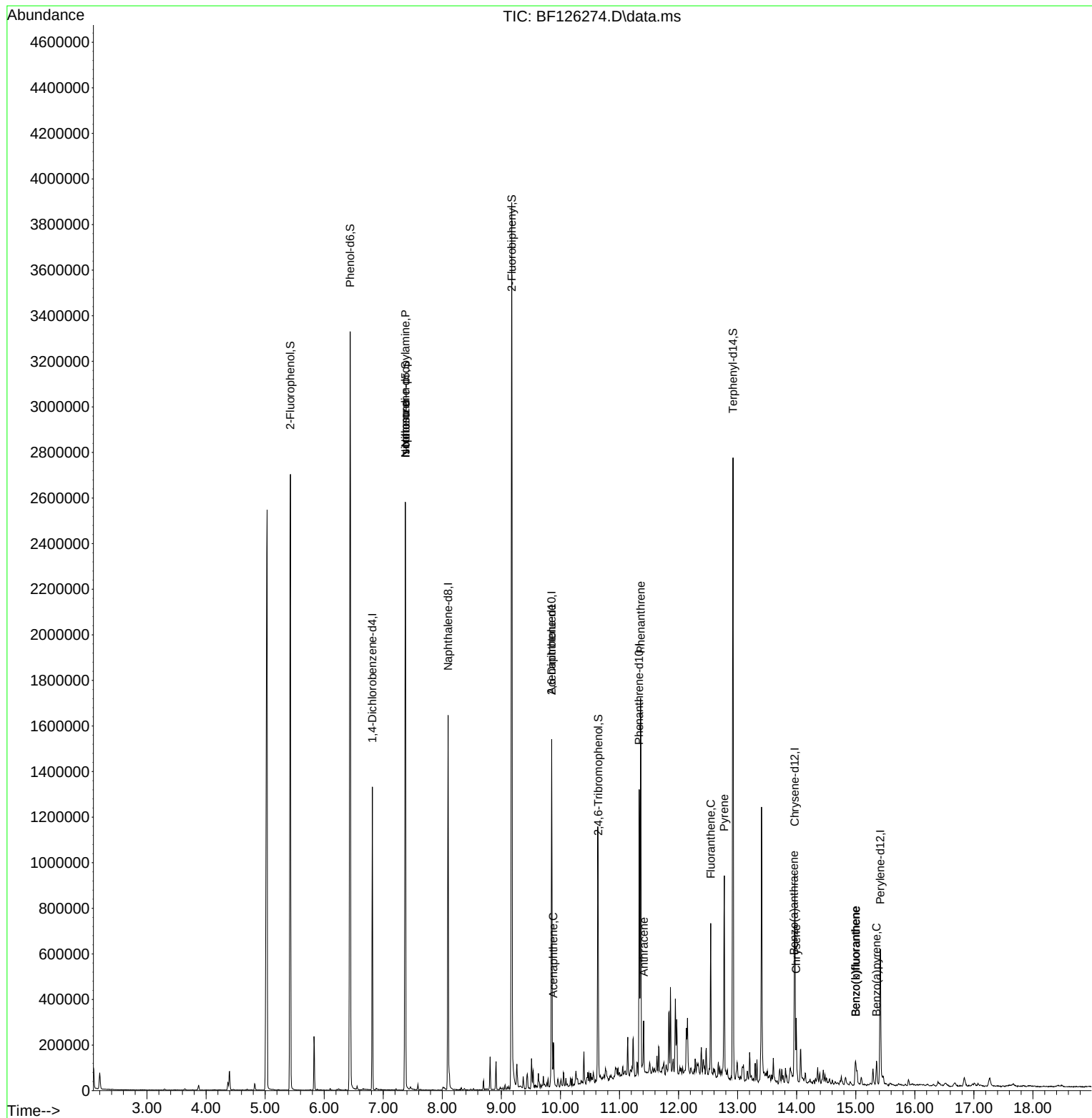
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	170767	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	693327	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	311968	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	444831	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	257296	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	251066	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	740825	63.887	ng	0.00
7) Phenol-d6	6.439	99	1401122	95.160	ng	0.00
23) Nitrobenzene-d5	7.375	82	956010	74.679	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	124660	49.722	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1288439	72.436	ng	0.00
79) Terphenyl-d14	12.921	244	853478	57.655	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.375	70	119954	13.271	ng	# 55
25) Isophorone	7.375	82	923138	38.186	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	40884	9.558	ng	# 28
52) Acenaphthene	9.880	154	37838	2.200	ng	97
71) Phenanthrene	11.357	178	588986	25.654	ng	98
72) Anthracene	11.410	178	77389	3.358	ng	99
75) Fluoranthene	12.545	202	217926	10.535	ng	93
78) Pyrene	12.774	202	329784	13.951	ng	99
81) Benzo(a)anthracene	13.957	228	90763	5.955	ng	99
83) Chrysene	13.992	228	86242	5.446	ng	99
88) Benzo(b)fluoranthene	14.998	252	77688	5.150	ng	# 93
89) Benzo(k)fluoranthene	14.998	252	77688	5.383	ng	# 92
90) Benzo(a)pyrene	15.351	252	48282	3.851	ng	# 93

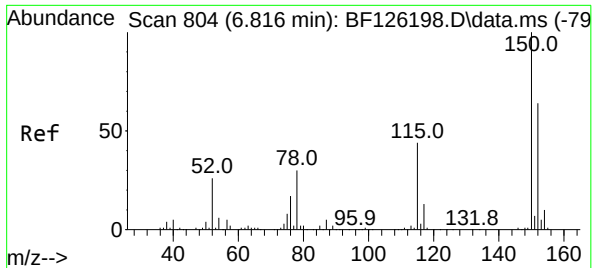
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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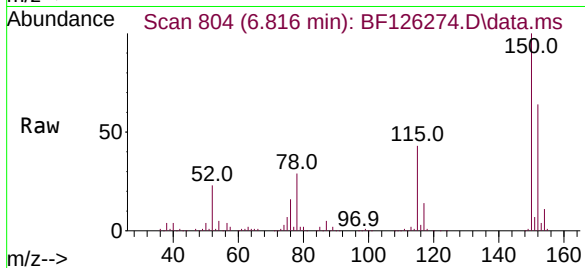
Quant Time: Dec 20 14:29:17 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
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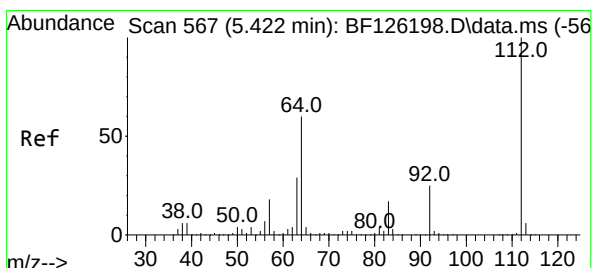
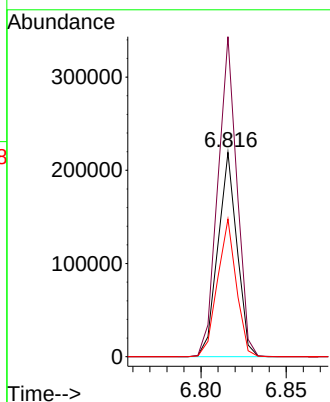
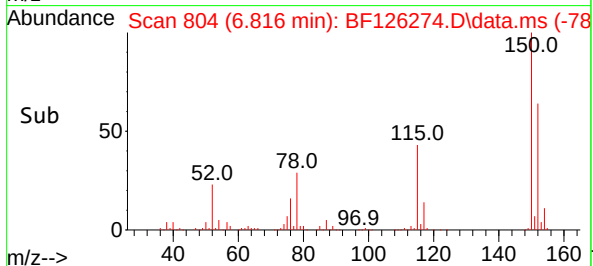


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

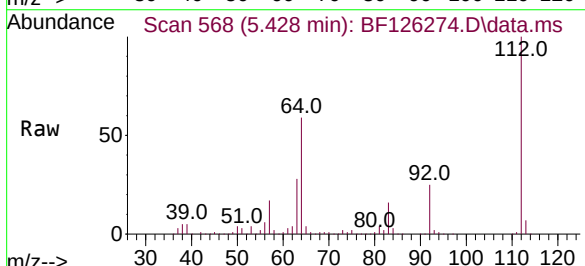
Instrument :
BNA_F
ClientSampleId :



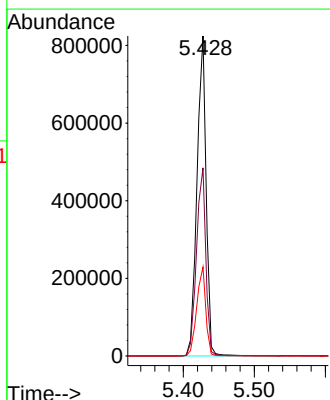
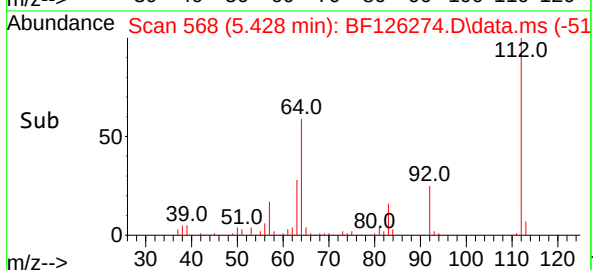
Tgt Ion:152 Resp: 170767
Ion Ratio Lower Upper
152 100
150 156.6 117.6 176.4
115 67.3 47.1 70.7

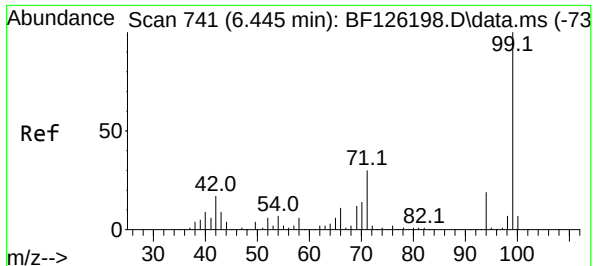


#5
2-Fluorophenol
Concen: 63.887 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00



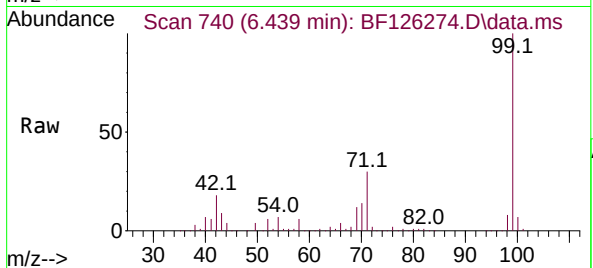
Tgt Ion:112 Resp: 740825
Ion Ratio Lower Upper
112 100
64 58.8 44.2 66.2
63 27.8 26.2 39.2





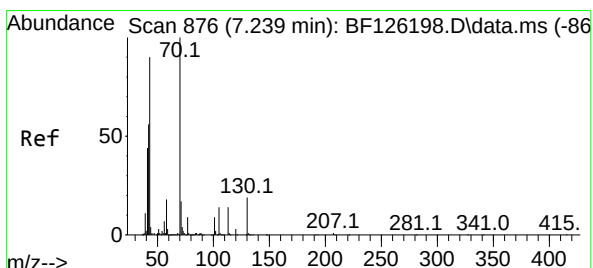
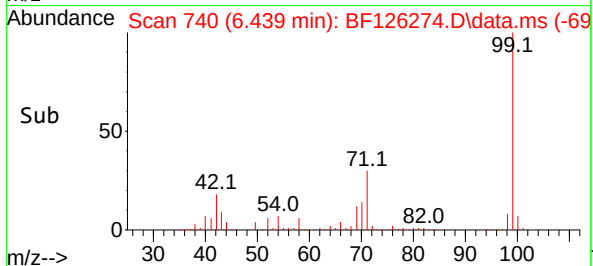
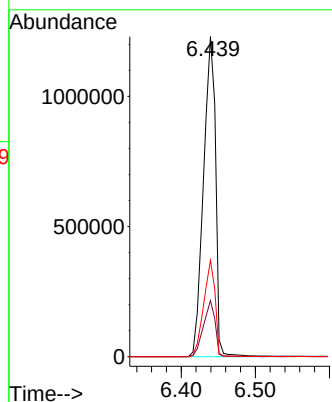
#7
Phenol-d6
Concen: 95.160 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 99 Resp: 1401122

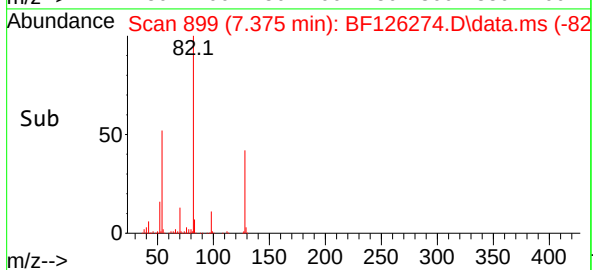
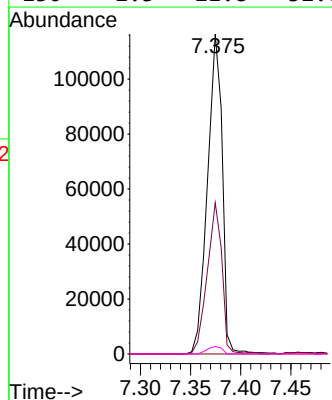
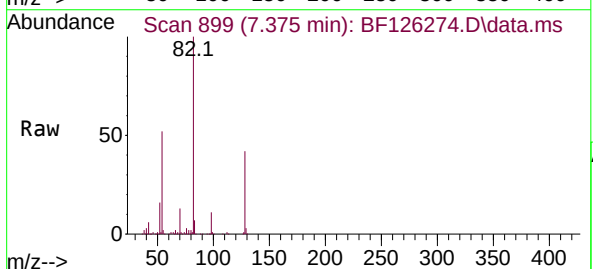
Ion	Ratio	Lower	Upper
99	100		
42	17.6	23.5	35.3#
71	30.1	25.6	38.4

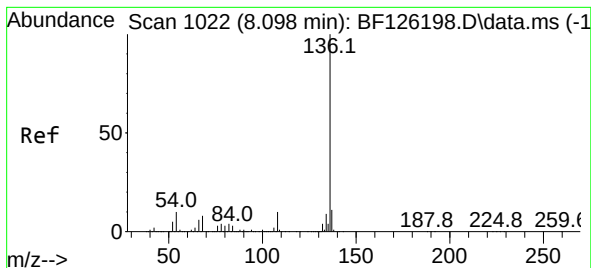


#19
n-Nitroso-di-n-propylamine
Concen: 13.271 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

Tgt Ion: 70 Resp: 119954

Ion	Ratio	Lower	Upper
70	100		
42	47.2	72.2	108.2#
101	0.0	7.8	11.8#
130	2.3	21.8	32.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1022

Delta R.T. 0.000 min

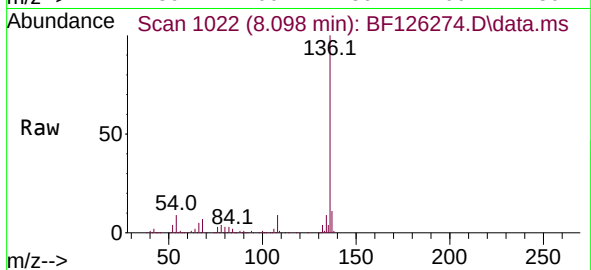
Lab File: BF126274.D

Acq: 20 Dec 2021 13:00

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 693327

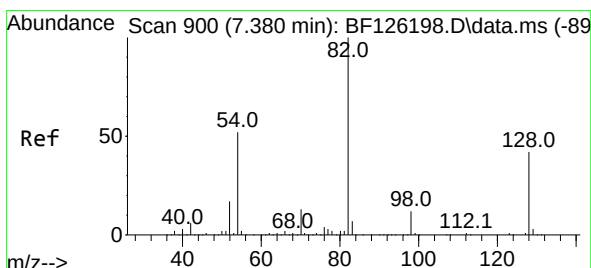
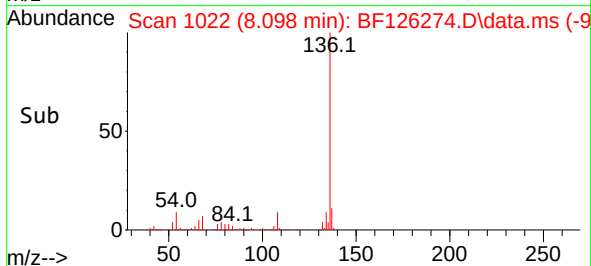
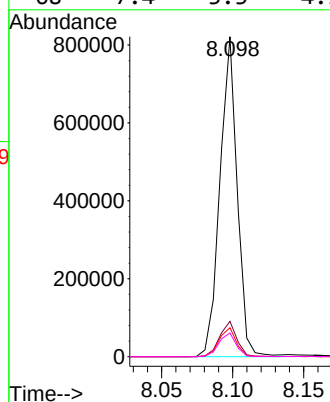
Ion Ratio Lower Upper

136 100

137 11.1 9.8 14.6

54 9.0 6.4 9.6

68 7.4 3.3 4.9#



#23

Nitrobenzene-d5

Concen: 74.679 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF126274.D

Acq: 20 Dec 2021 13:00

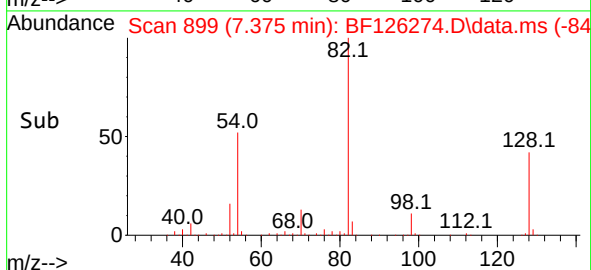
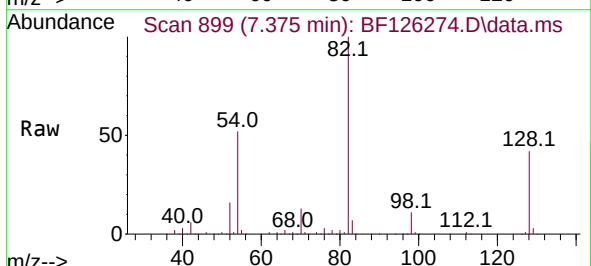
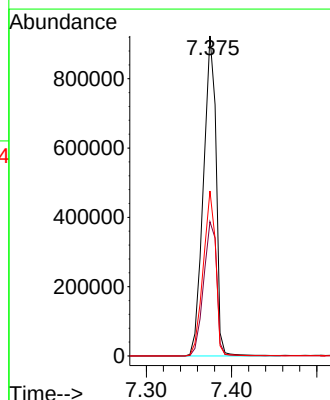
Tgt Ion: 82 Resp: 956010

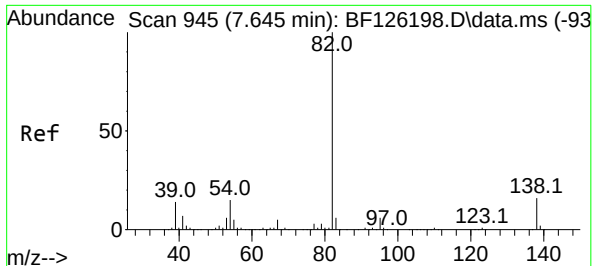
Ion Ratio Lower Upper

82 100

128 41.9 40.6 60.8

54 51.5 49.6 74.4

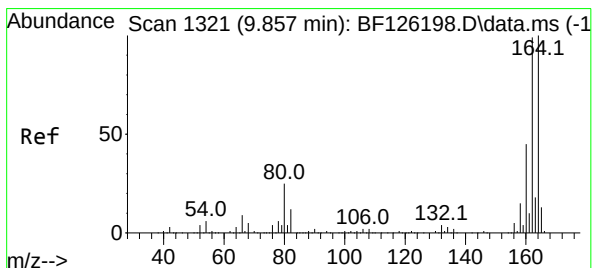
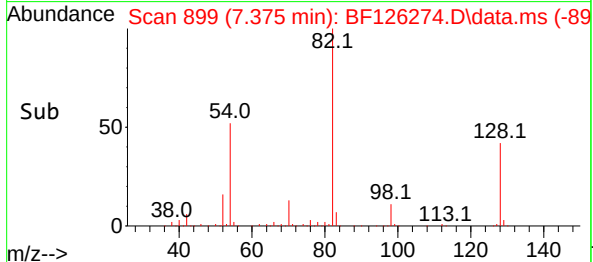
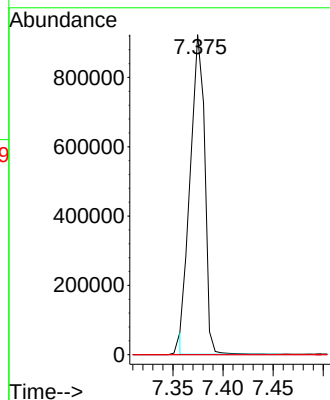
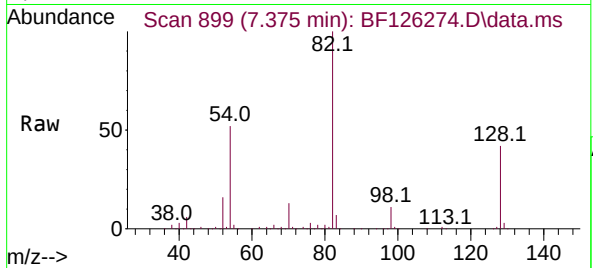




#25
Isophorone
Concen: 38.186 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

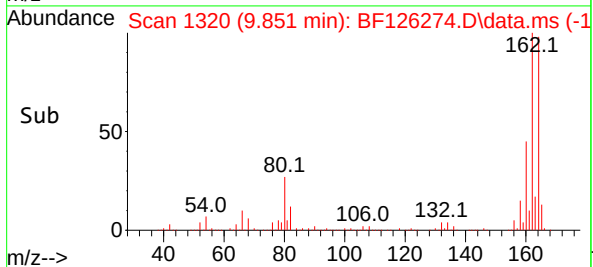
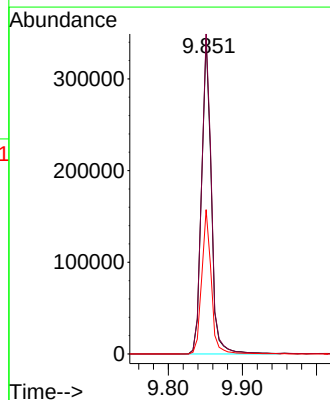
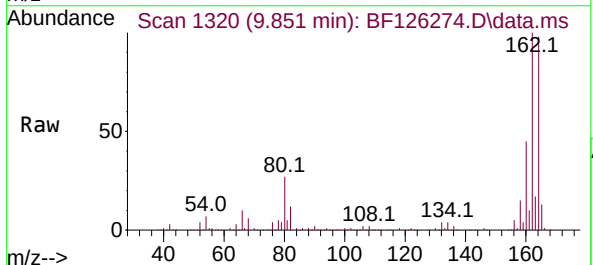
Instrument :
BNA_F
ClientSampleId :

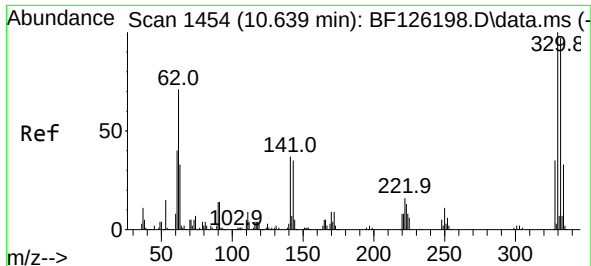
Tgt Ion: 82 Resp: 923138
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

Tgt Ion:164 Resp: 311968
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 45.9 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 49.722 ng

RT: 10.639 min Scan# 1454

Delta R.T. 0.000 min

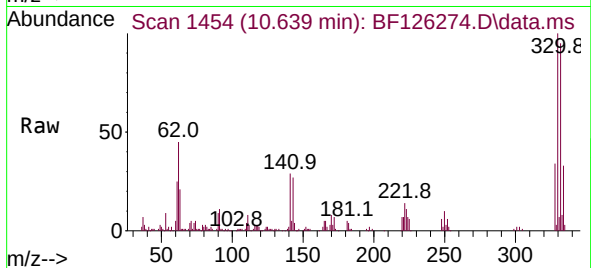
Lab File: BF126274.D

Acq: 20 Dec 2021 13:00

Instrument :

BNA_F

ClientSampleId :



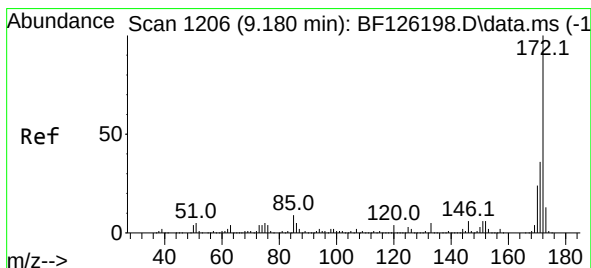
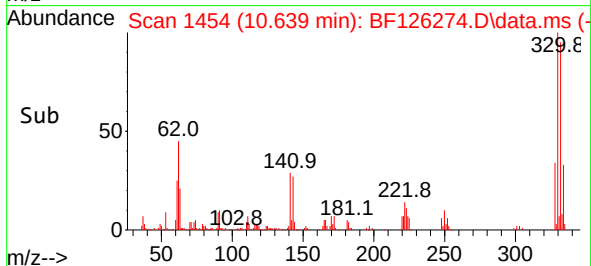
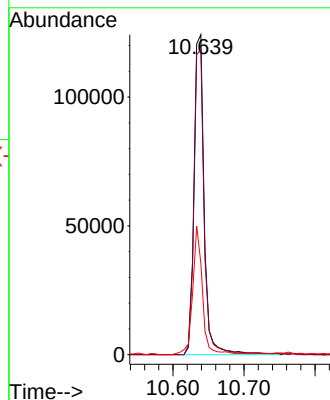
Tgt Ion:330 Resp: 124660

Ion Ratio Lower Upper

330 100

332 96.1 76.2 114.4

141 38.2 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 72.436 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF126274.D

Acq: 20 Dec 2021 13:00

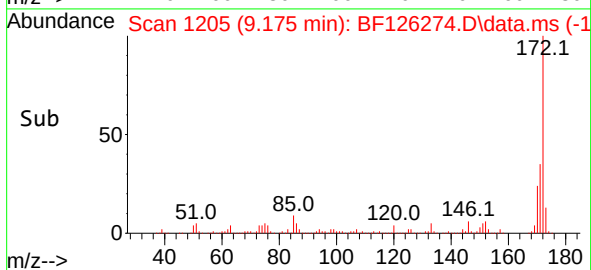
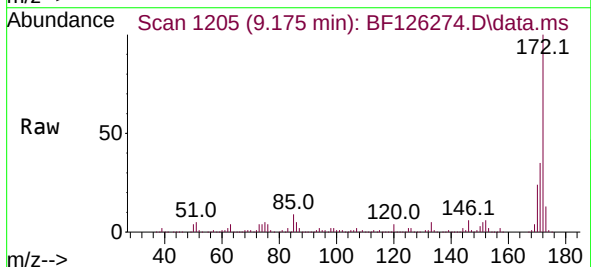
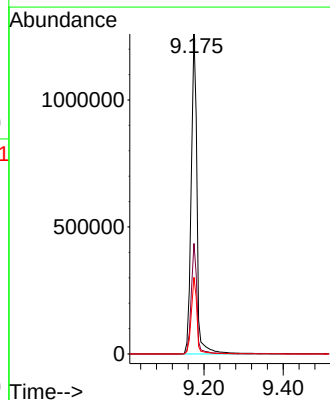
Tgt Ion:172 Resp: 1288439

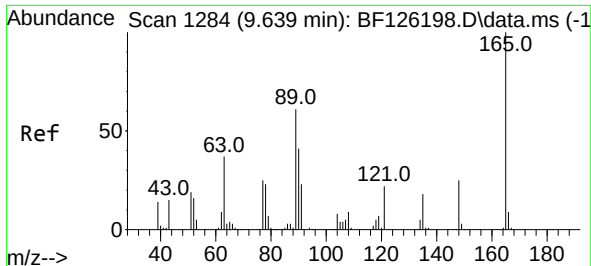
Ion Ratio Lower Upper

172 100

171 34.6 26.5 39.7

170 23.9 18.8 28.2

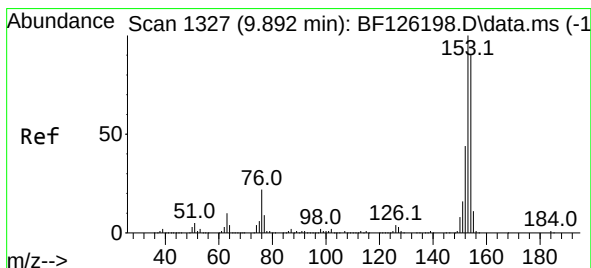
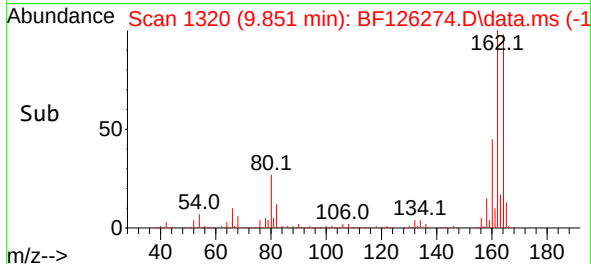
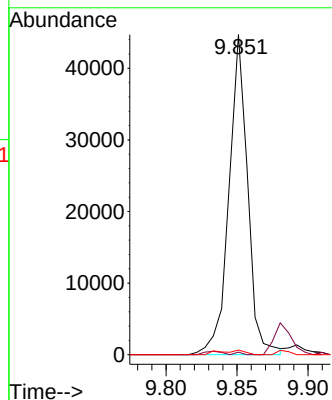
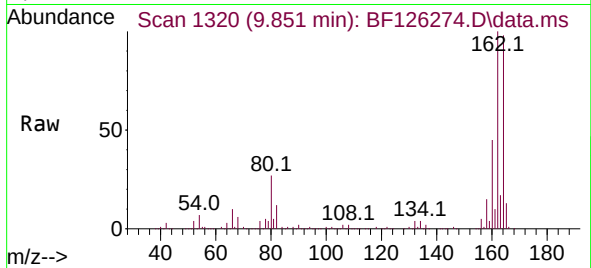




#51
2,6-Dinitrotoluene
Concen: 9.558 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

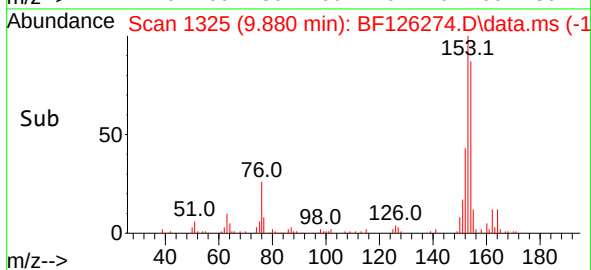
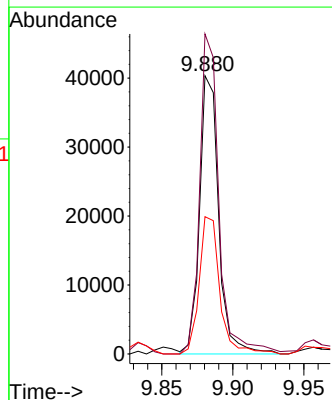
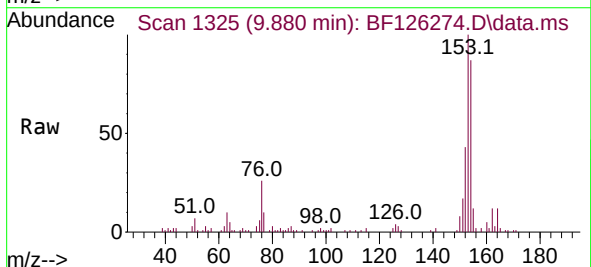
Instrument :
BNA_F
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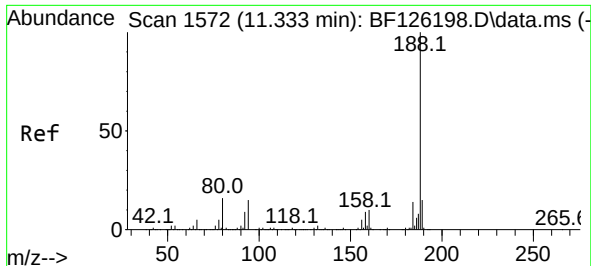
Tgt Ion:165 Resp: 40884
Ion Ratio Lower Upper
165 100
63 0.8 42.6 63.8#
89 1.4 40.6 60.8#



#52
Acenaphthene
Concen: 2.200 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

Tgt Ion:154 Resp: 37838
Ion Ratio Lower Upper
154 100
153 115.0 89.4 134.2
152 49.3 40.5 60.7

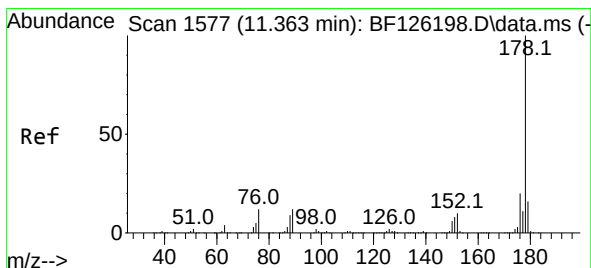
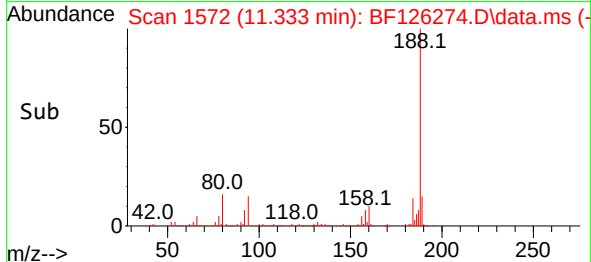
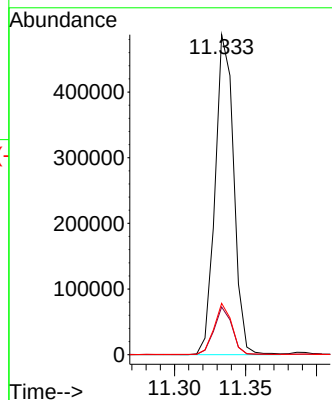
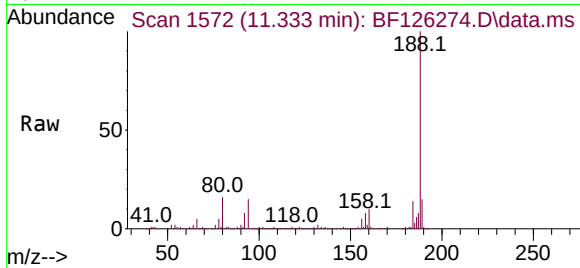




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

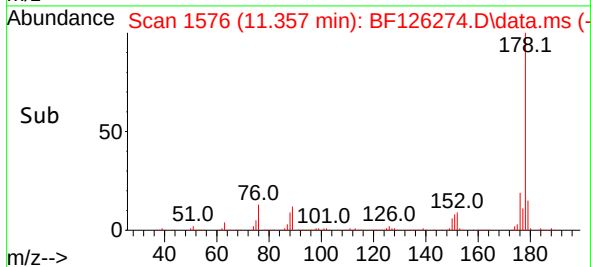
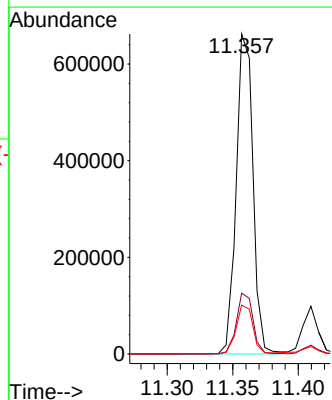
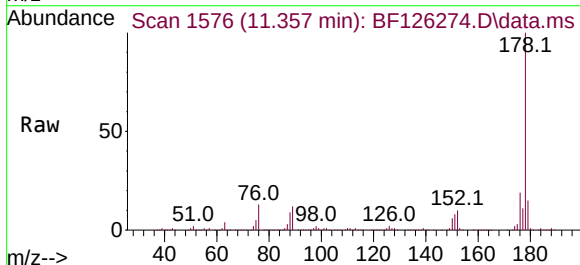
Instrument :
BNA_F
ClientSampleId :

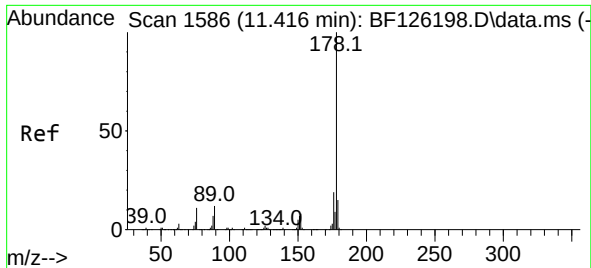
Tgt Ion:188 Resp: 444831
Ion Ratio Lower Upper
188 100
94 14.9 6.7 10.1#
80 16.1 7.5 11.3#



#71
Phenanthrene
Concen: 25.654 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

Tgt Ion:178 Resp: 588986
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.2 11.5 17.3

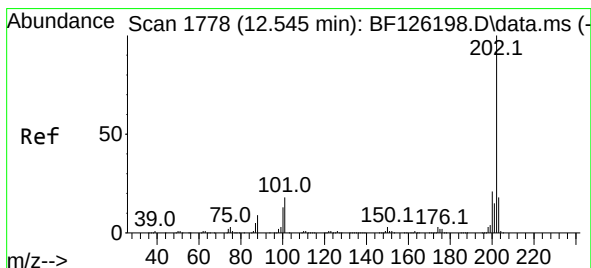
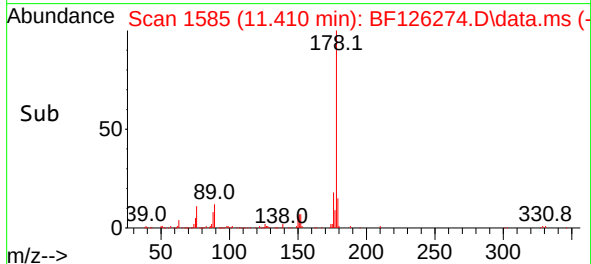
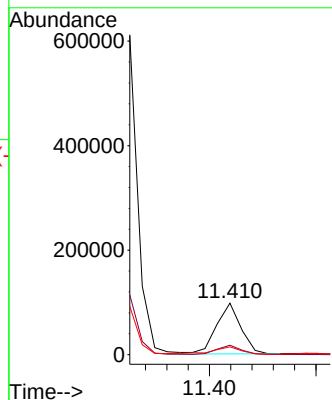
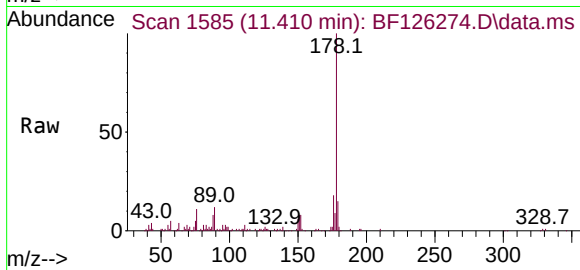




#72
 Anthracene
 Concen: 3.358 ng
 RT: 11.410 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF126274.D
 Acq: 20 Dec 2021 13:00

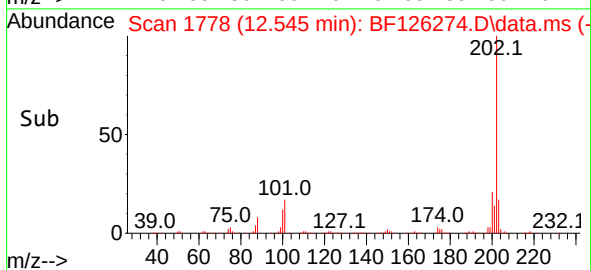
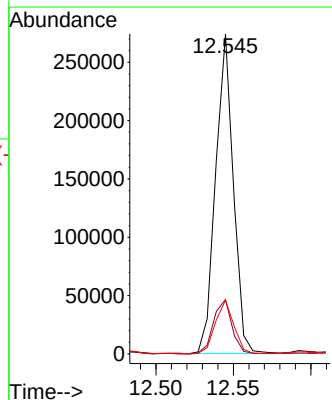
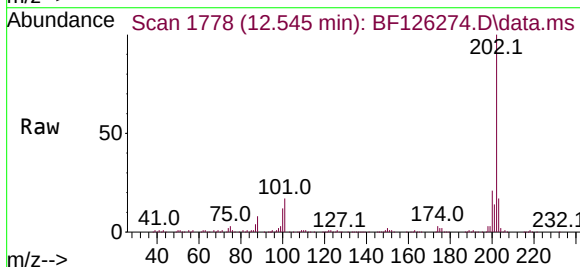
Instrument :
 BNA_F
 ClientSampleId :

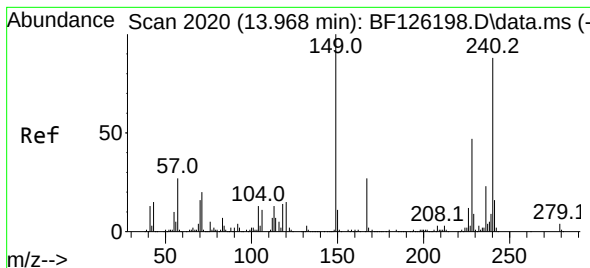
Tgt Ion:178 Resp: 77389
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.3 21.5
 179 15.3 12.2 18.4



#75
 Fluoranthene
 Concen: 10.535 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. 0.000 min
 Lab File: BF126274.D
 Acq: 20 Dec 2021 13:00

Tgt Ion:202 Resp: 217926
 Ion Ratio Lower Upper
 202 100
 101 17.0 0.0 30.7
 203 16.8 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: BF126274.D

Acq: 20 Dec 2021 13:00

Instrument :

BNA_F

ClientSampleId :

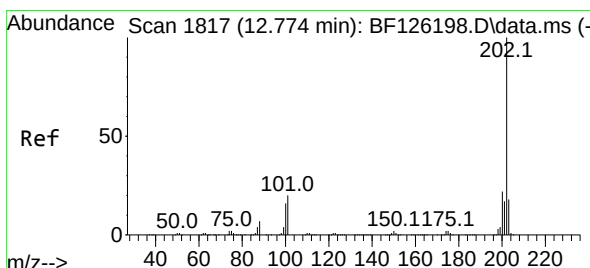
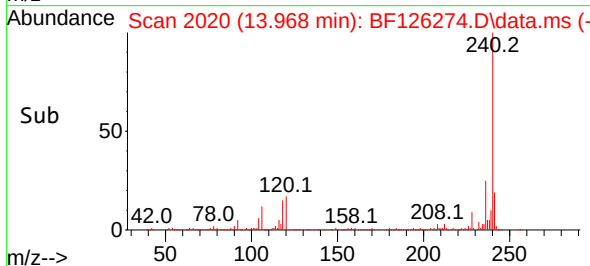
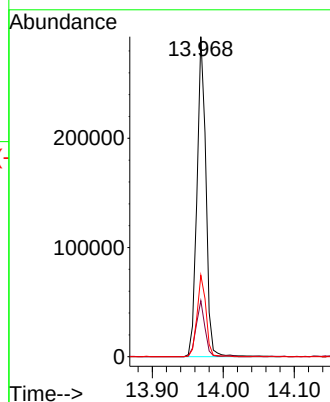
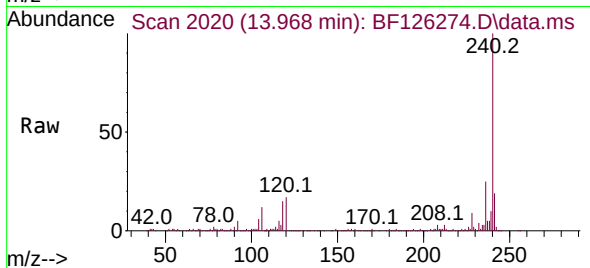
Tgt Ion:240 Resp: 257296

Ion Ratio Lower Upper

240 100

120 17.5 10.8 16.2#

236 25.4 21.6 32.4



#78

Pyrene

Concen: 13.951 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF126274.D

Acq: 20 Dec 2021 13:00

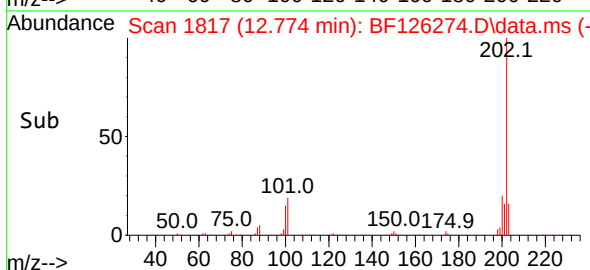
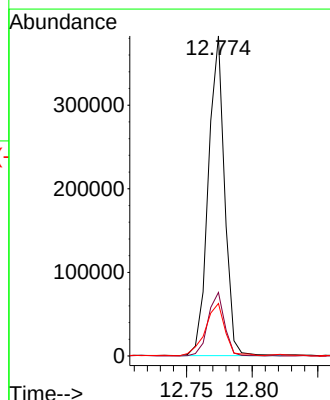
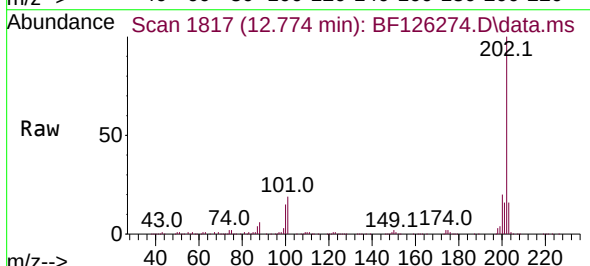
Tgt Ion:202 Resp: 329784

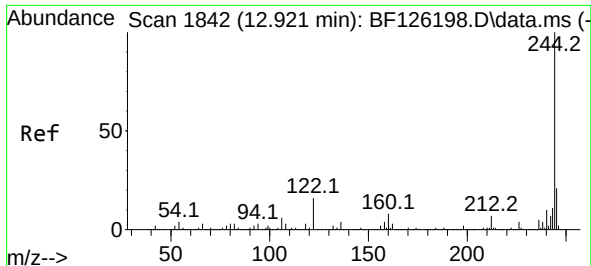
Ion Ratio Lower Upper

202 100

200 19.8 15.3 22.9

203 16.4 13.4 20.0





#79

Terphenyl-d14

Concen: 57.655 ng

RT: 12.921 min Scan# 1842

Delta R.T. 0.000 min

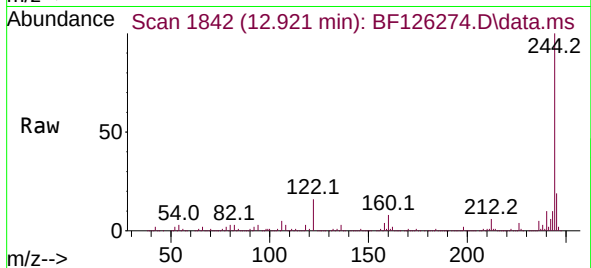
Lab File: BF126274.D

Acq: 20 Dec 2021 13:00

Instrument :

BNA_F

ClientSampleId :



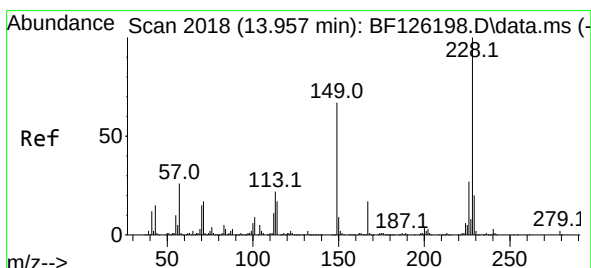
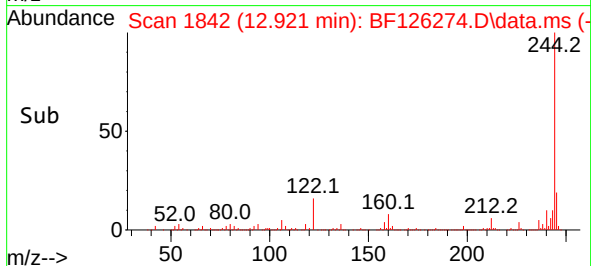
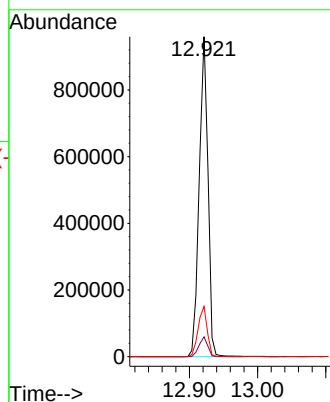
Tgt Ion:244 Resp: 853478

Ion Ratio Lower Upper

244 100

212 6.2 5.9 8.9

122 15.7 9.0 13.4#



#81

Benzo(a)anthracene

Concen: 5.955 ng

RT: 13.957 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF126274.D

Acq: 20 Dec 2021 13:00

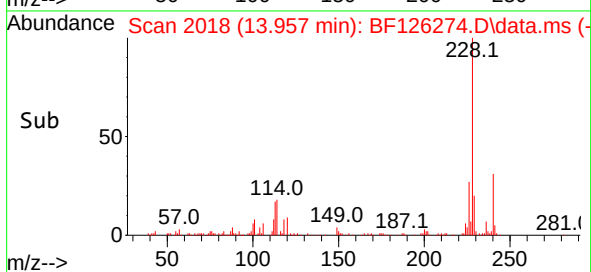
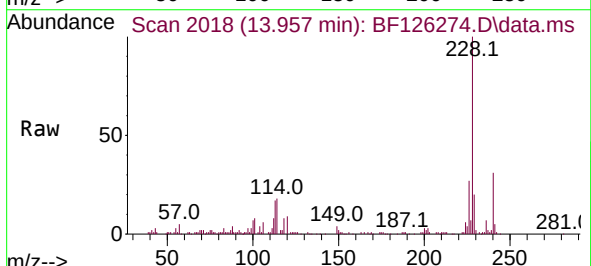
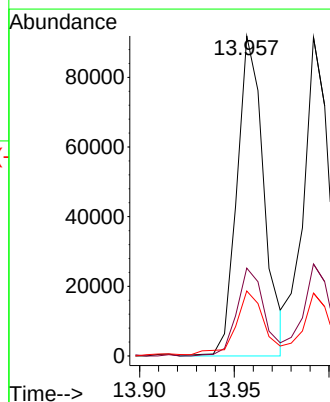
Tgt Ion:228 Resp: 90763

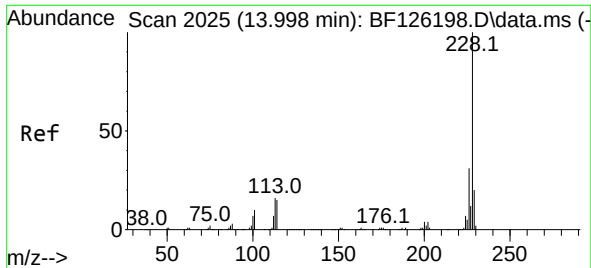
Ion Ratio Lower Upper

228 100

226 27.5 21.6 32.4

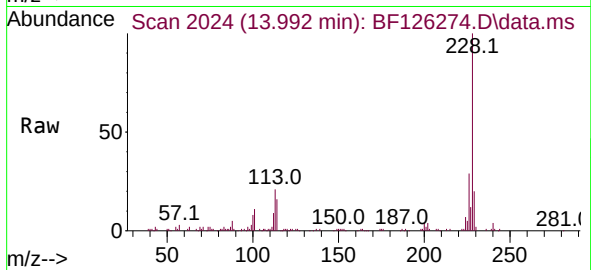
229 20.3 15.6 23.4



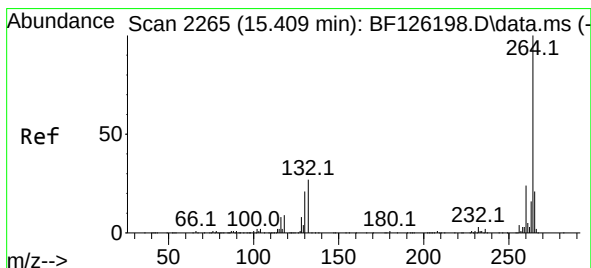
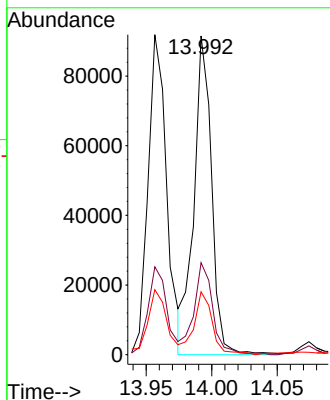
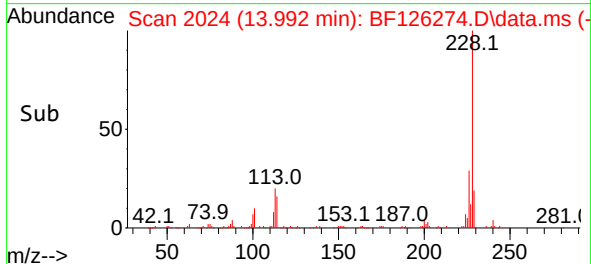


#83
Chrysene
Concen: 5.446 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

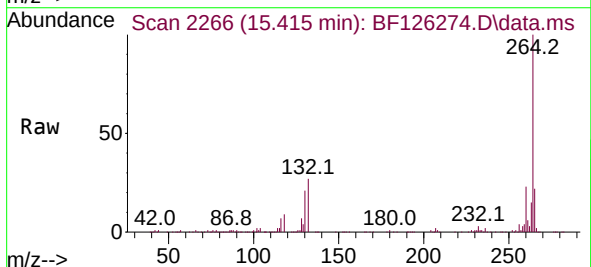
Instrument :
BNA_F
ClientSampleId :



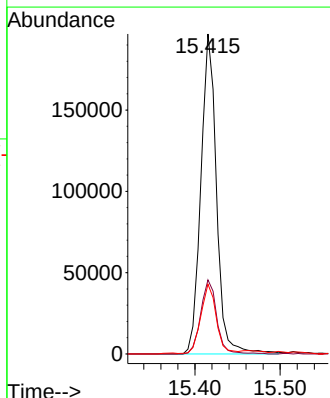
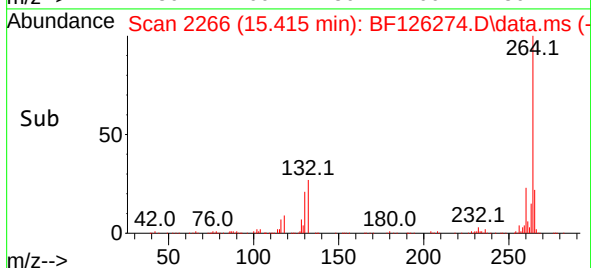
Tgt Ion:228 Resp: 86242
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 19.8 15.9 23.9

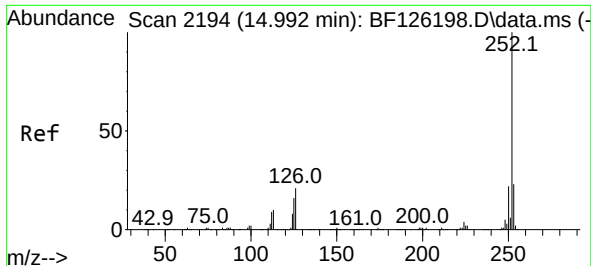


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.006 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00



Tgt Ion:264 Resp: 251066
Ion Ratio Lower Upper
264 100
260 23.1 19.6 29.4
265 21.8 17.2 25.8

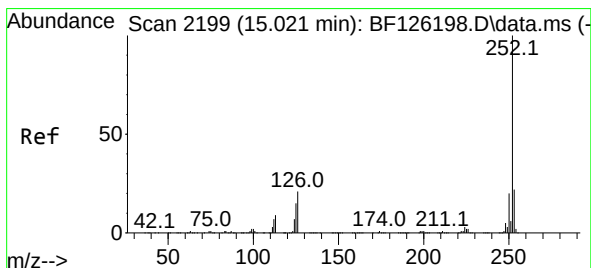
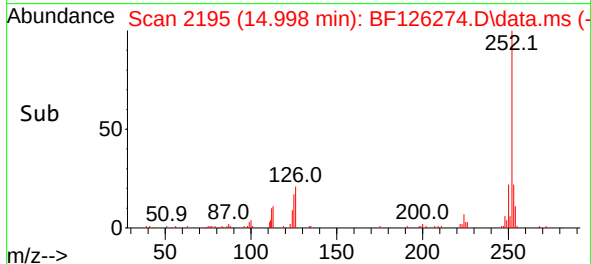
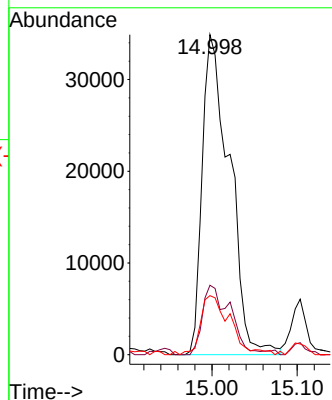
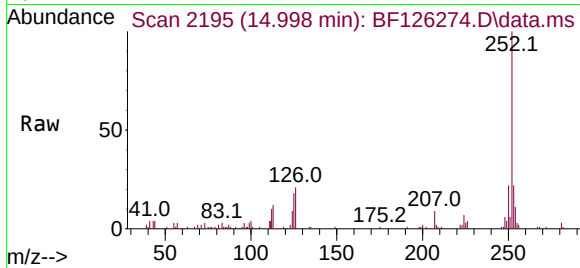




#88
Benzo(b)fluoranthene
Concen: 5.150 ng
RT: 14.998 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

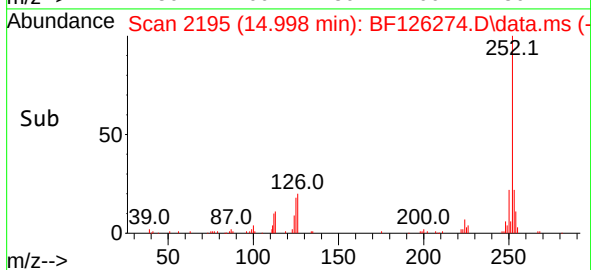
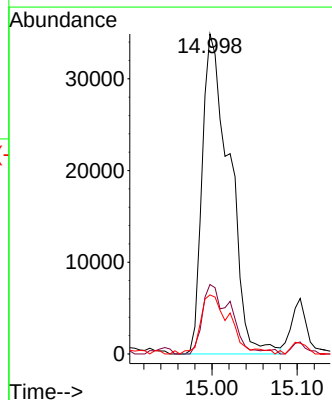
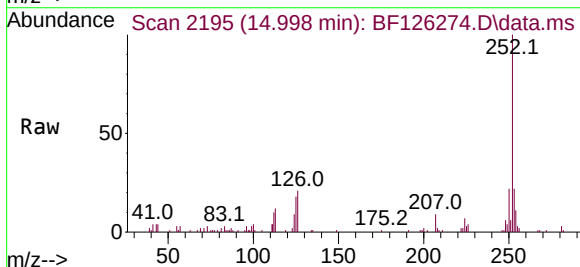
Instrument :
BNA_F
ClientSampleId :

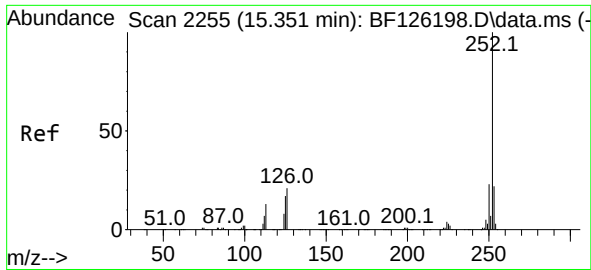
Tgt Ion:252 Resp: 77688
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 18.4 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 5.383 ng
RT: 14.998 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF126274.D
Acq: 20 Dec 2021 13:00

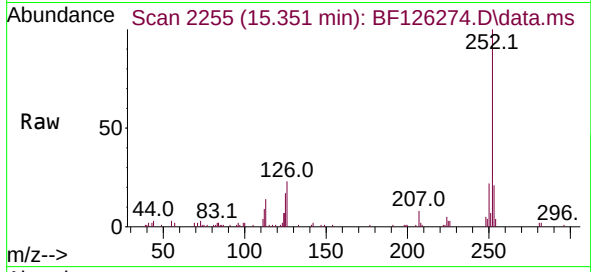
Tgt Ion:252 Resp: 77688
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 18.4 7.2 10.8#





#90
 Benzo(a)pyrene
 Concen: 3.851 ng
 RT: 15.351 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF126274.D
 Acq: 20 Dec 2021 13:00

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	252	Resp:	48282
Ion Ratio	Lower	Upper	
252	100		
253	21.0	18.4	27.6
125	17.1	9.9	14.9#

