

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
 Data File : BF126319.D
 Acq On : 22 Dec 2021 3:00
 Operator : JU/CG
 Sample : M5182-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 05:24:49 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)

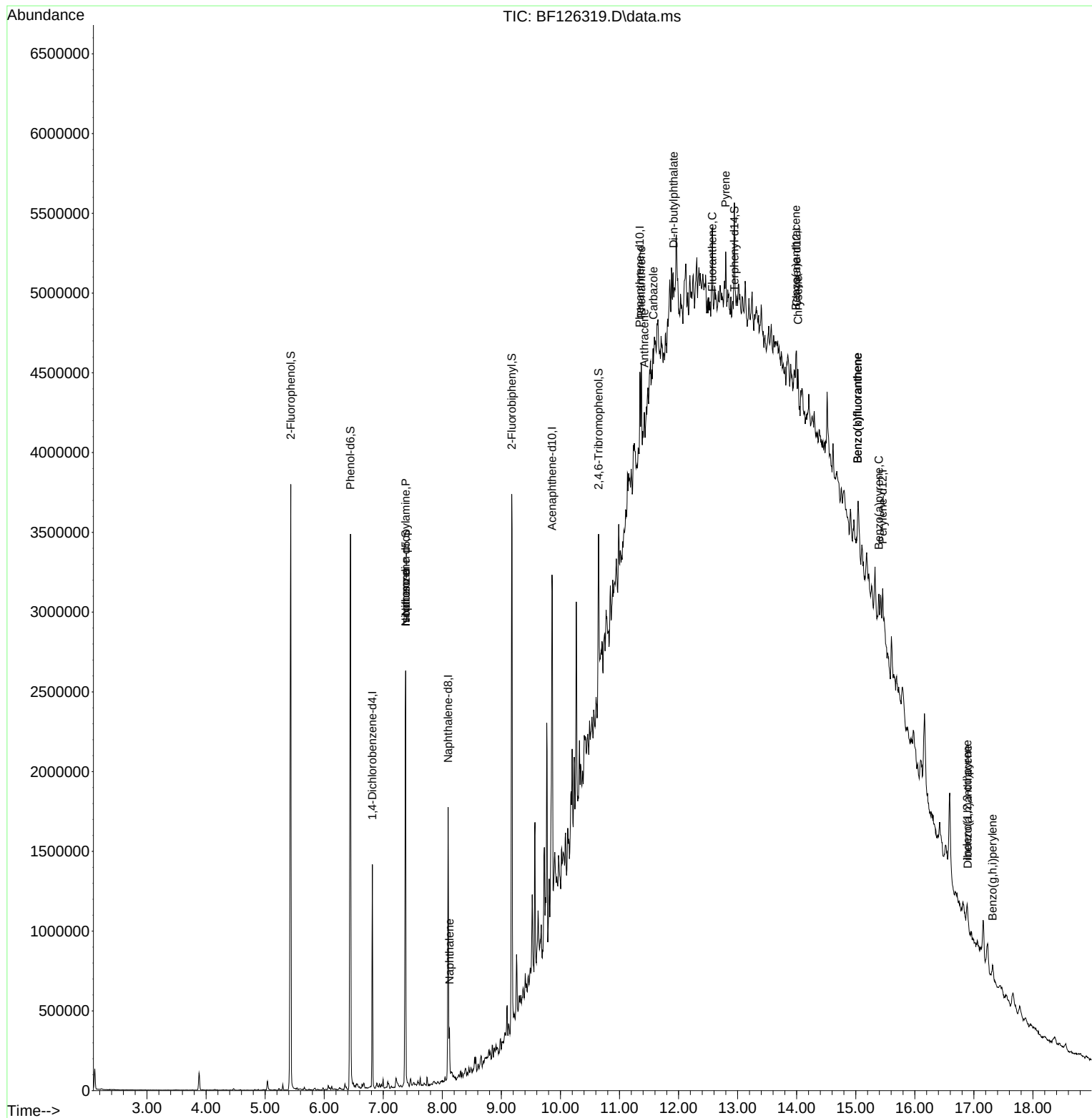
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	186899	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	762529	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	274996	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	287341	20.000	ng	# 0.01
76) Chrysene-d12	13.998	240	161558	20.000	ng	# 0.03
86) Perylene-d12	15.457	264	199288	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1176094	92.669	ng	0.01
7) Phenol-d6	6.445	99	1522522	94.480	ng	0.00
23) Nitrobenzene-d5	7.381	82	971983	69.036	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	213118	96.434	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1199270	76.488	ng	0.00
79) Terphenyl-d14	12.945	244	456173	49.077	ng	0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	124380	12.573	ng	# 52
25) Isophorone	7.381	82	937931	35.277	ng	# 59
31) Naphthalene	8.122	128	126256	3.541	ng	98
71) Phenanthrene	11.369	178	213401	14.389	ng	# 86
72) Anthracene	11.422	178	64746	4.350	ng	# 72
73) Carbazole	11.574	167	29928	2.135	ng	# 39
74) Di-n-butylphthalate	11.916	149	51452	2.895	ng	# 58
75) Fluoranthene	12.569	202	243139	18.196	ng	90
78) Pyrene	12.798	202	256059	17.252	ng	# 94
81) Benzo(a)anthracene	13.986	228	123361	12.891	ng	# 93
83) Chrysene	14.021	228	109114	10.974	ng	# 89
87) Indeno(1,2,3-cd)pyrene	16.886	276	85822	6.456	ng	100
88) Benzo(b)fluoranthene	15.033	252	204446	17.074	ng	# 51
89) Benzo(k)fluoranthene	15.033	252	204446	17.848	ng	# 56
90) Benzo(a)pyrene	15.392	252	141530	14.221	ng	# 69
91) Dibenzo(a,h)anthracene	16.898	278	26172	2.422	ng	# 46
92) Benzo(g,h,i)perylene	17.315	276	80538	7.204	ng	# 88

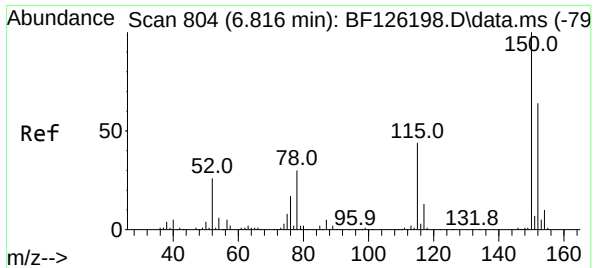
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122121\
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BNA_F
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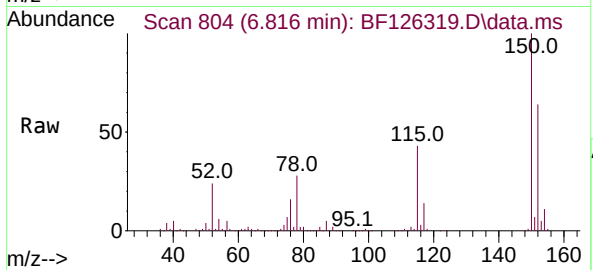
Quant Time: Dec 22 05:24:49 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration



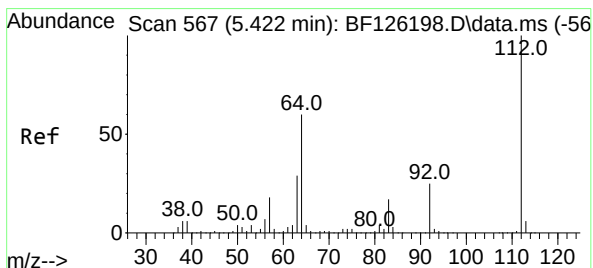
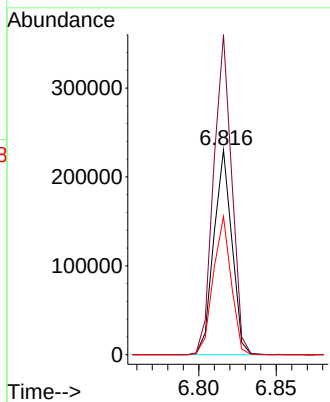
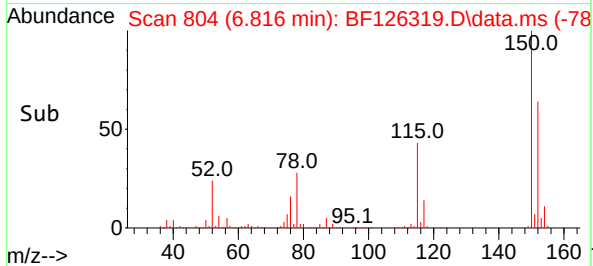


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

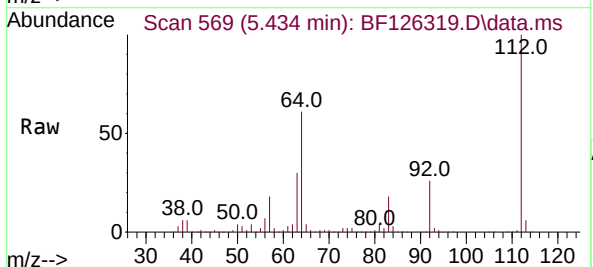
Instrument :
BNA_F
ClientSampleId :



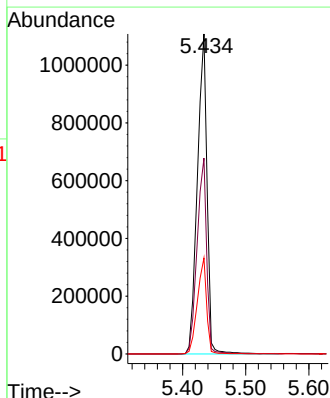
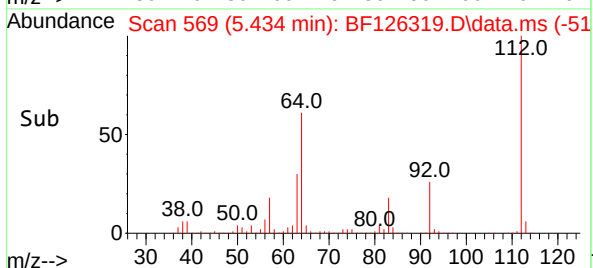
Tgt Ion:152 Resp: 186899
Ion Ratio Lower Upper
152 100
150 156.3 117.6 176.4
115 67.6 47.1 70.7

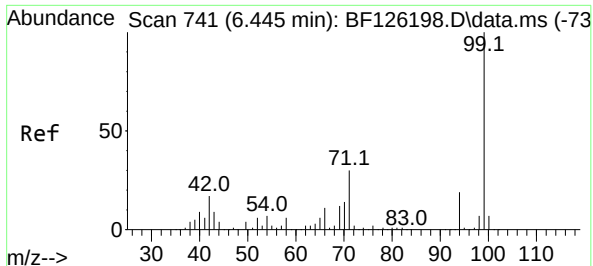


#5
2-Fluorophenol
Concen: 92.669 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00



Tgt Ion:112 Resp: 1176094
Ion Ratio Lower Upper
112 100
64 61.2 44.2 66.2
63 30.0 26.2 39.2

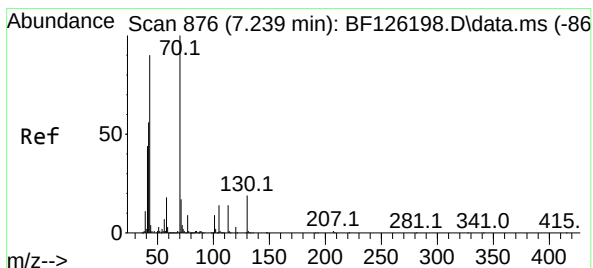
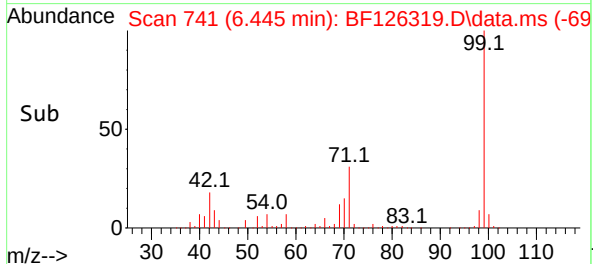
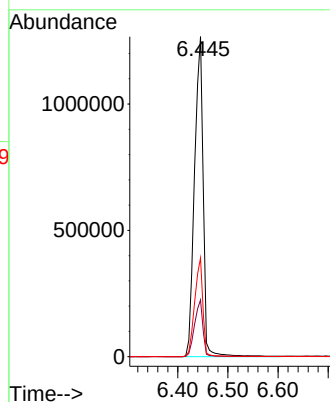
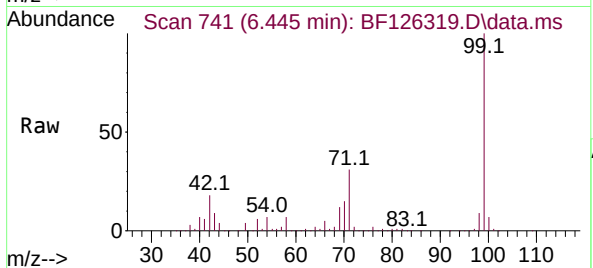




#7
Phenol-d6
Concen: 94.480 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

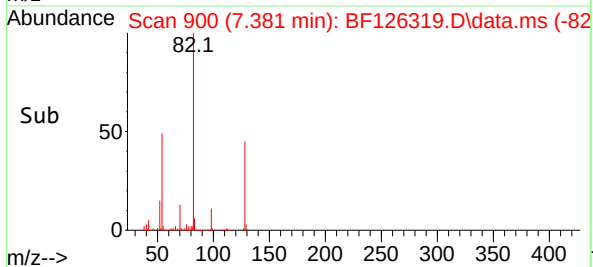
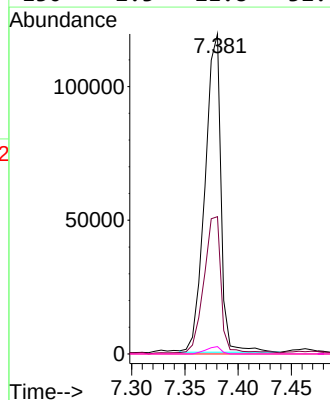
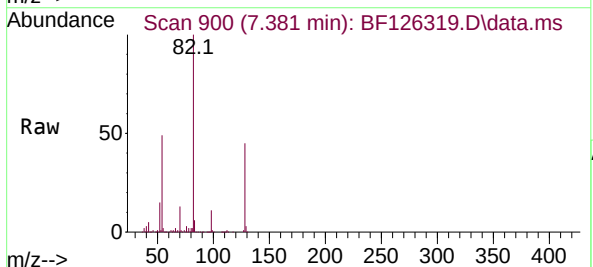
Instrument :
BNA_F
ClientSampleId :

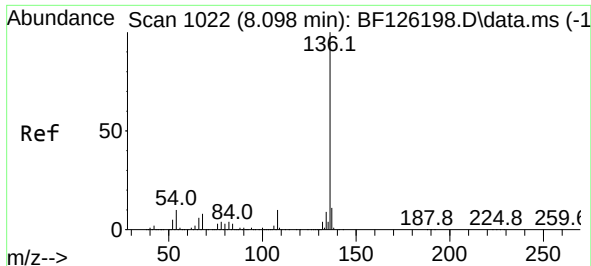
Tgt Ion: 99 Resp: 1522522
Ion Ratio Lower Upper
99 100
42 17.8 23.5 35.3#
71 30.9 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.573 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

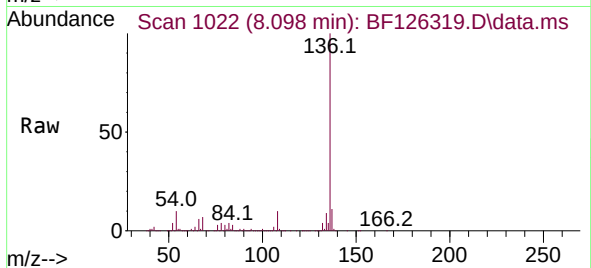
Tgt Ion: 70 Resp: 124380
Ion Ratio Lower Upper
70 100
42 42.9 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#



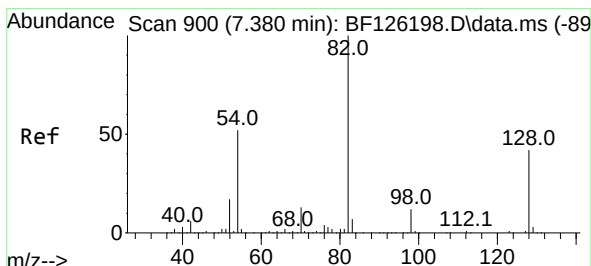
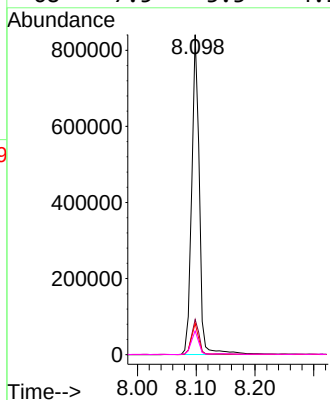
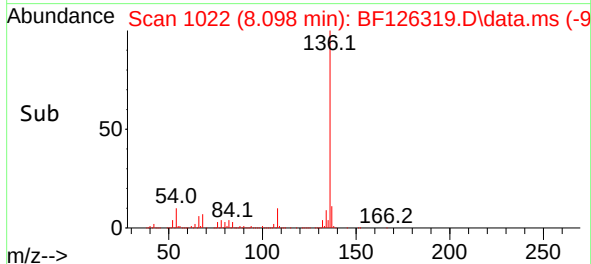


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

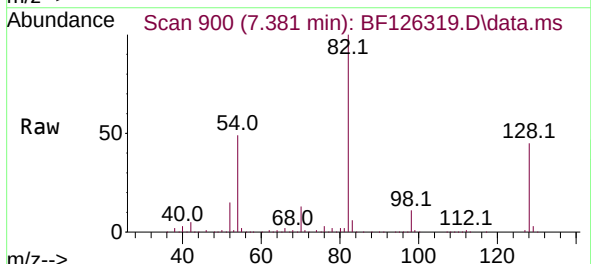
Instrument :
BNA_F
ClientSampleId :



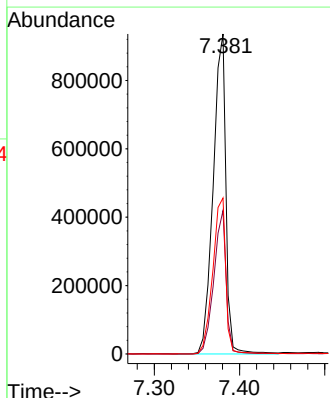
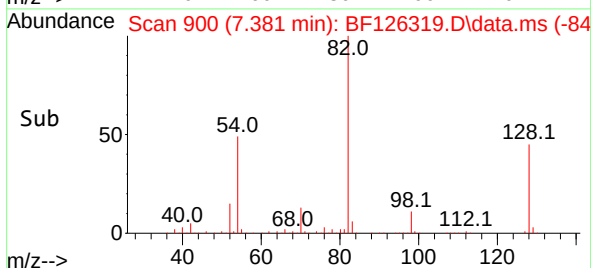
Tgt Ion:136 Resp: 762529
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.6
54 9.7 6.4 9.6#
68 7.5 3.3 4.9#

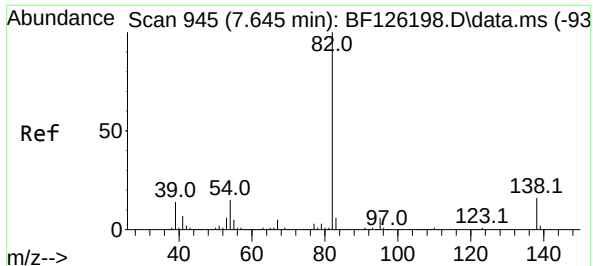


#23
Nitrobenzene-d5
Concen: 69.036 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00



Tgt Ion: 82 Resp: 971983
Ion Ratio Lower Upper
82 100
128 44.8 40.6 60.8
54 48.7 49.6 74.4#

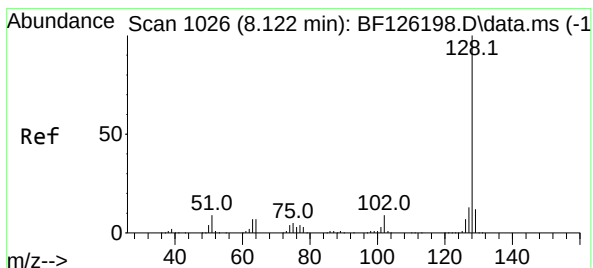
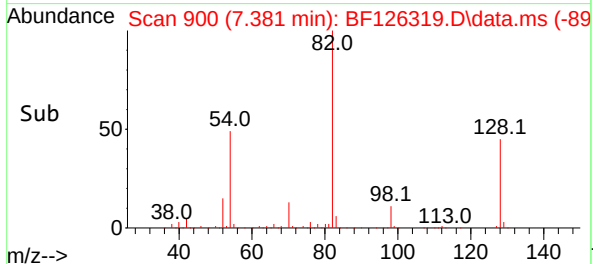
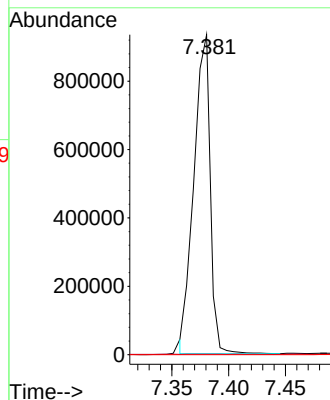
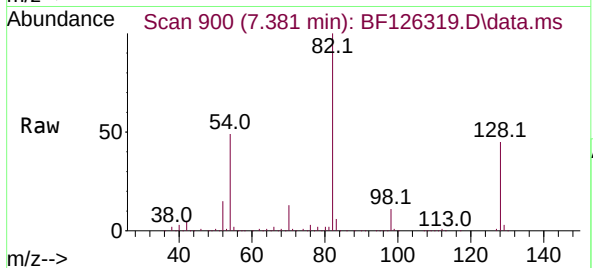




#25
Isophorone
Concen: 35.277 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

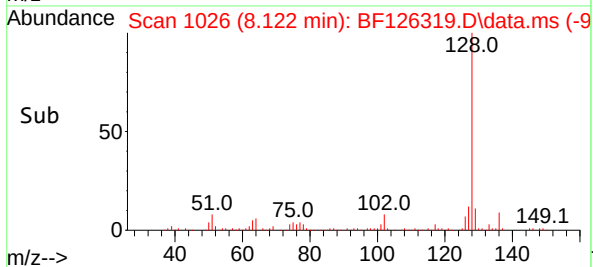
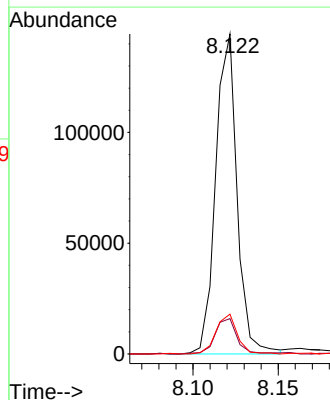
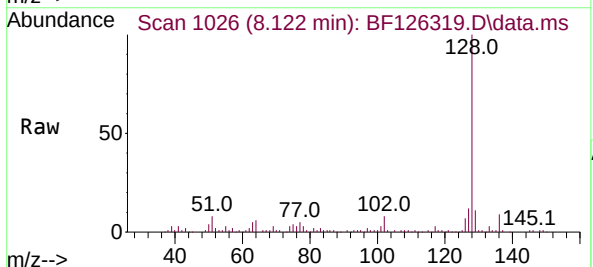
Instrument :
BNA_F
ClientSampleId :

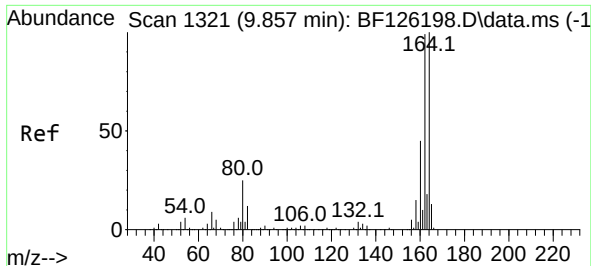
Tgt Ion: 82 Resp: 937931
Ion Ratio Lower Upper
82 100
95 0.2 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 3.541 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

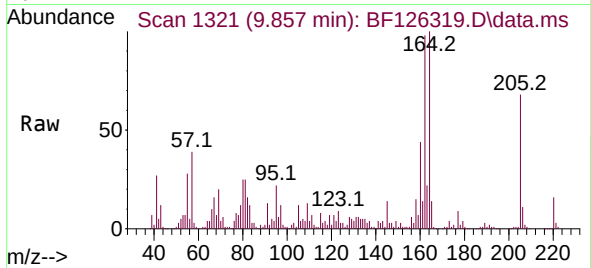
Tgt Ion:128 Resp: 126256
Ion Ratio Lower Upper
128 100
129 11.1 9.4 14.0
127 12.5 10.9 16.3



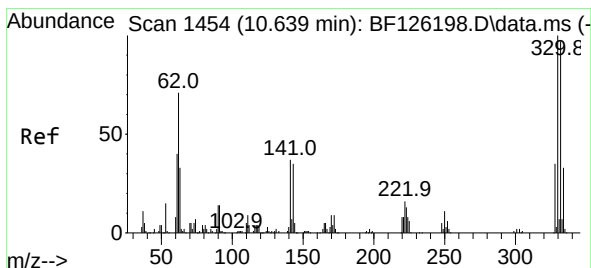
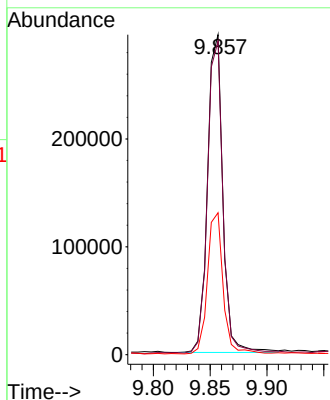
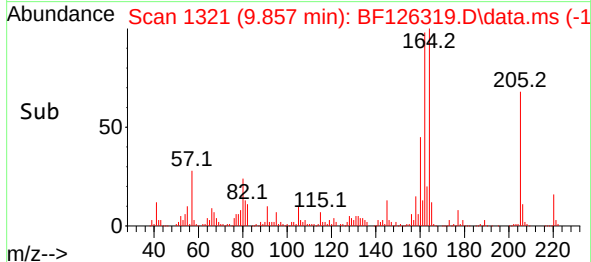


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

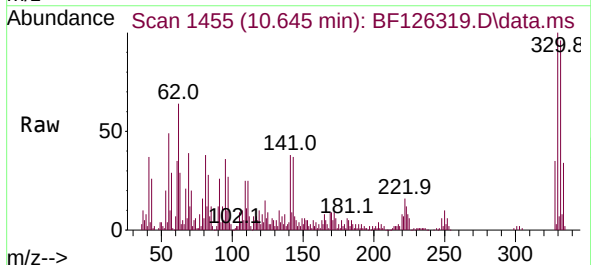
Instrument :
BNA_F
ClientSampleId :



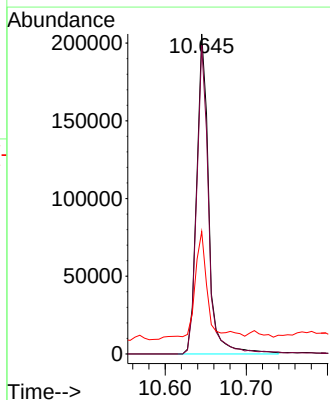
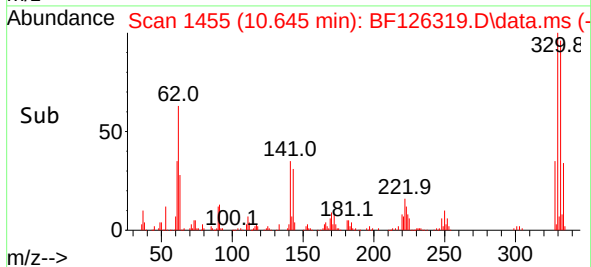
Tgt Ion:164 Resp: 274996
Ion Ratio Lower Upper
164 100
162 97.9 81.3 121.9
160 44.4 38.0 57.0

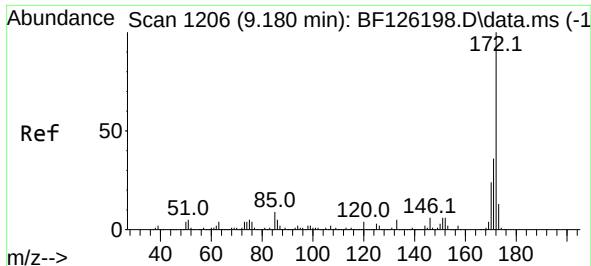


#42
2,4,6-Tribromophenol
Concen: 96.434 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.006 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00



Tgt Ion:330 Resp: 213118
Ion Ratio Lower Upper
330 100
332 94.1 76.2 114.4
141 33.7 44.6 66.8#

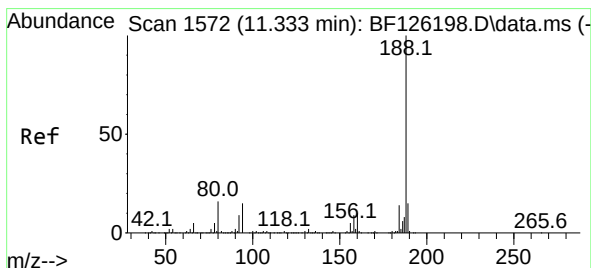
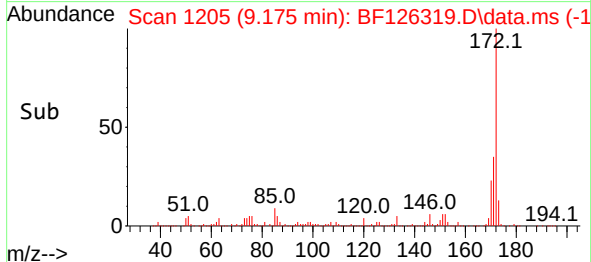
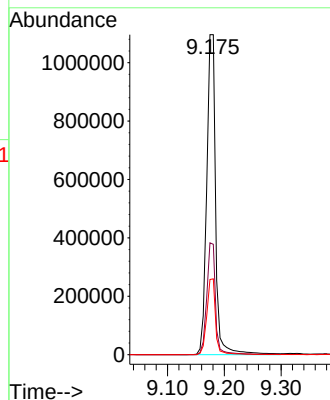
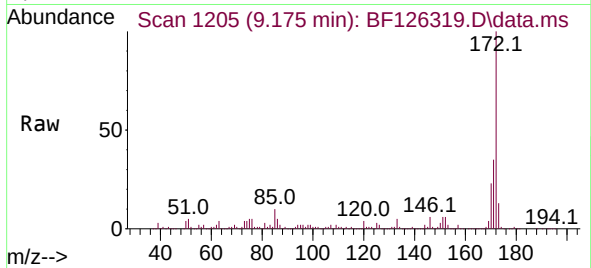




#45
2-Fluorobiphenyl
Concen: 76.488 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

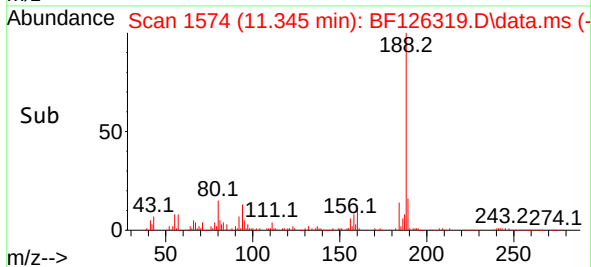
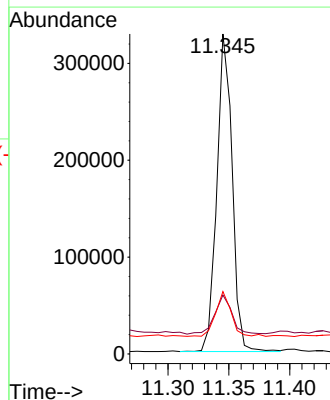
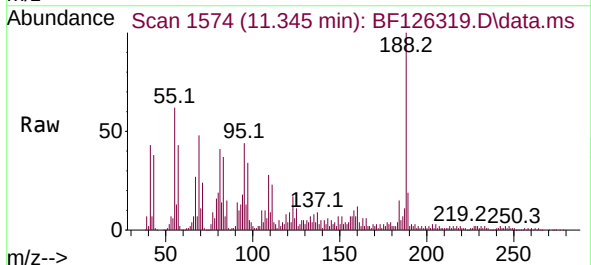
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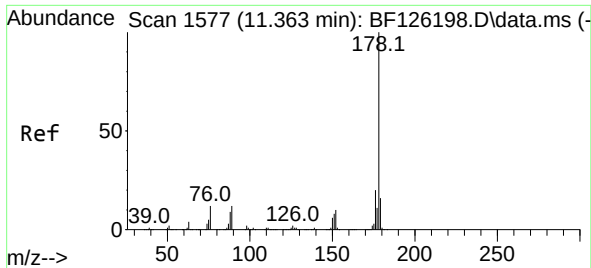
Tgt Ion:172 Resp: 1199270
Ion Ratio Lower Upper
172 100
171 35.0 26.5 39.7
170 23.5 18.8 28.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.012 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

Tgt Ion:188 Resp: 287341
Ion Ratio Lower Upper
188 100
94 18.4 6.7 10.1#
80 19.5 7.5 11.3#

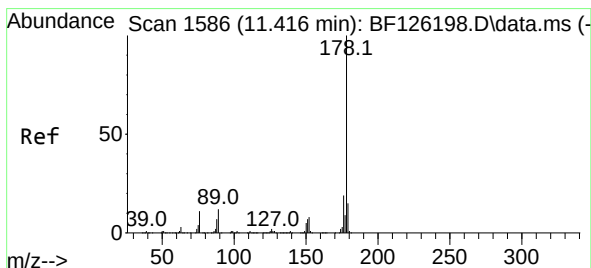
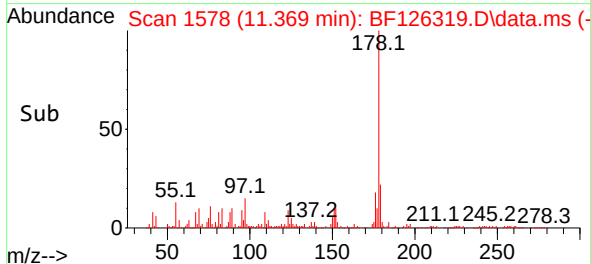
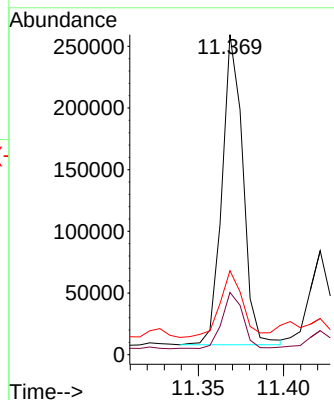
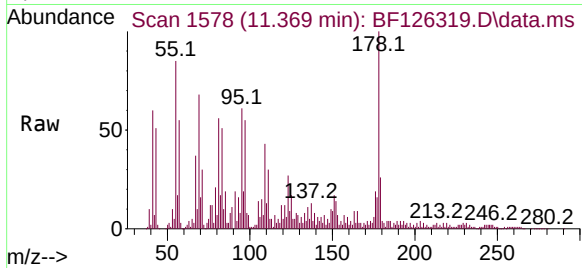




#71
Phenanthrene
Concen: 14.389 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.006 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

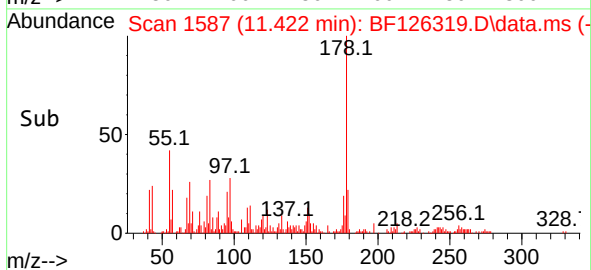
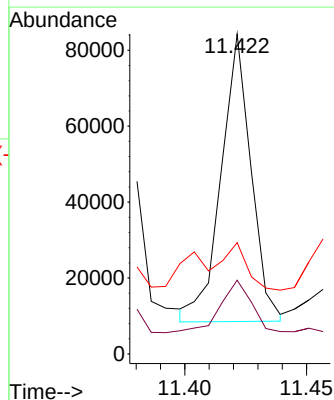
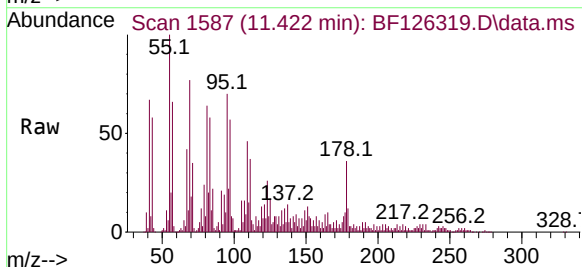
Instrument :
BNA_F
ClientSampleId :

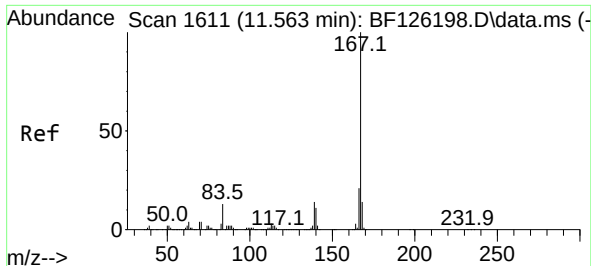
Tgt Ion:178 Resp: 213401
Ion Ratio Lower Upper
178 100
176 19.4 14.7 22.1
179 26.3 11.5 17.3#



#72
Anthracene
Concen: 4.350 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

Tgt Ion:178 Resp: 64746
Ion Ratio Lower Upper
178 100
176 23.1 14.3 21.5#
179 34.8 12.2 18.4#

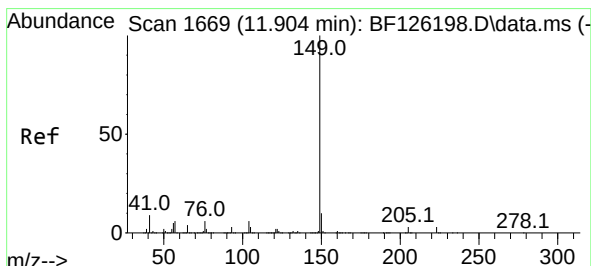
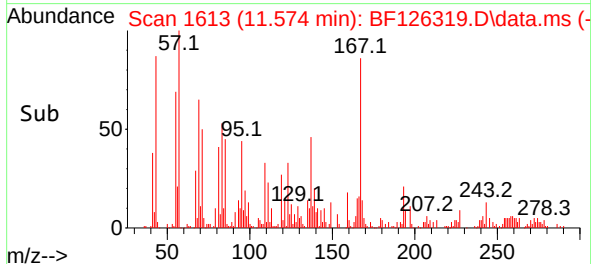
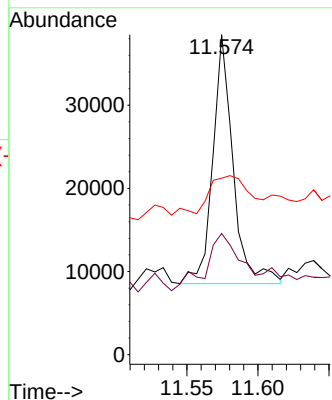
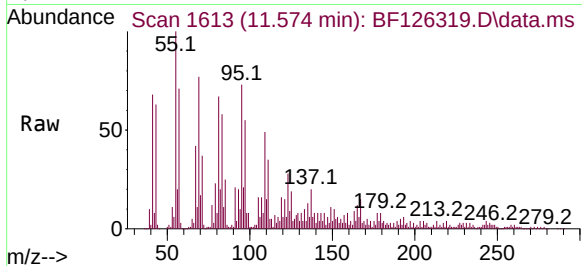




#73
 Carbazole
 Concen: 2.135 ng
 RT: 11.574 min Scan# 1611
 Delta R.T. 0.012 min
 Lab File: BF126319.D
 Acq: 22 Dec 2021 3:00

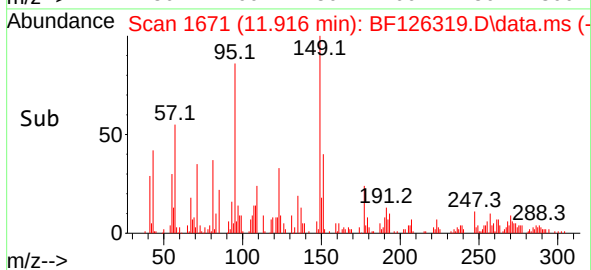
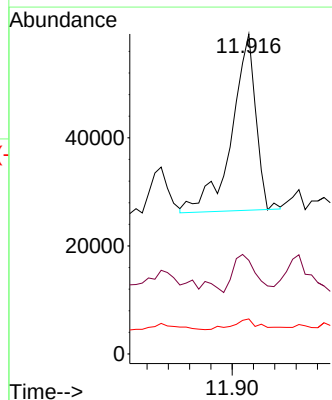
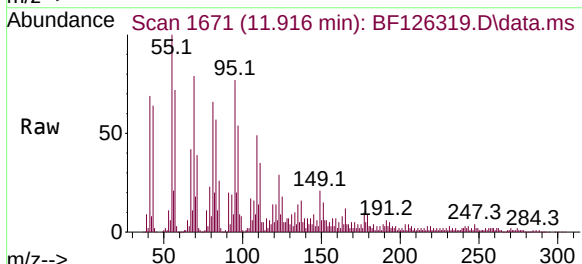
Instrument :
 BNA_F
 ClientSampleId :

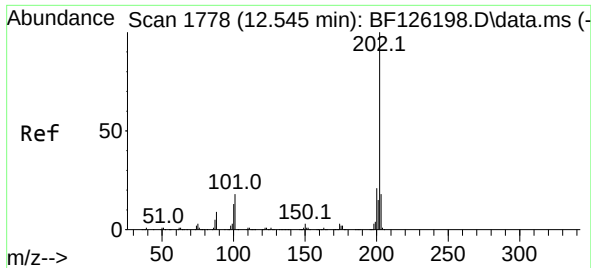
Tgt Ion:167 Resp: 29928
 Ion Ratio Lower Upper
 167 100
 166 37.9 17.4 26.0#
 139 55.2 11.0 16.4#



#74
 Di-n-butylphthalate
 Concen: 2.895 ng
 RT: 11.916 min Scan# 1671
 Delta R.T. 0.012 min
 Lab File: BF126319.D
 Acq: 22 Dec 2021 3:00

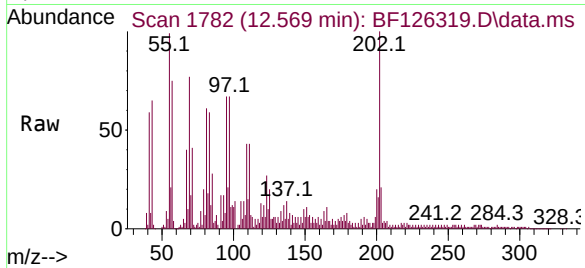
Tgt Ion:149 Resp: 51452
 Ion Ratio Lower Upper
 149 100
 150 29.3 7.4 11.2#
 104 10.9 4.1 6.1#



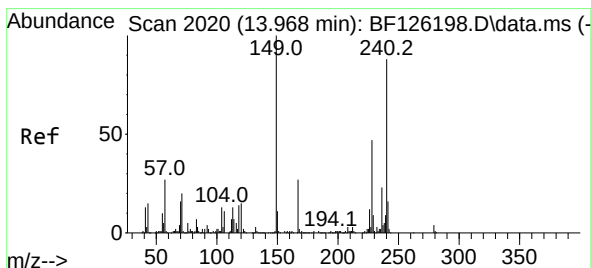
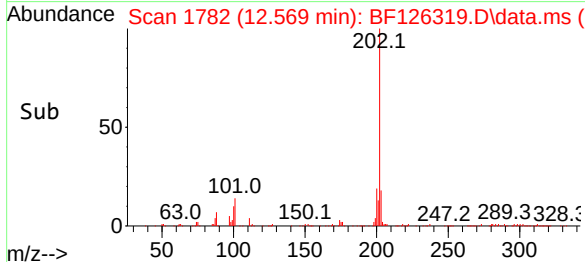
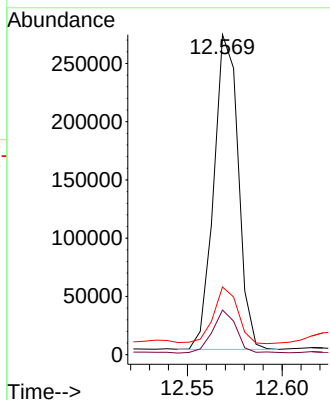


#75
Fluoranthene
Concen: 18.196 ng
RT: 12.569 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

Instrument :
BNA_F
ClientSampleId :

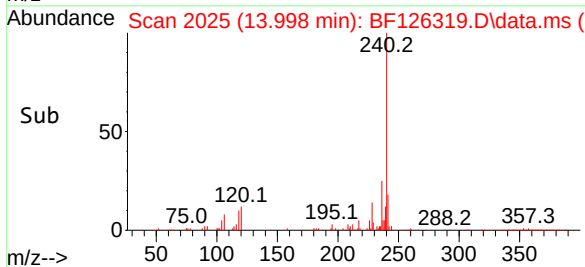
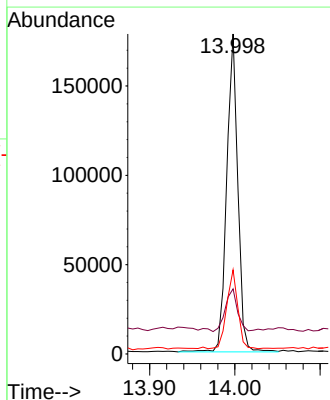
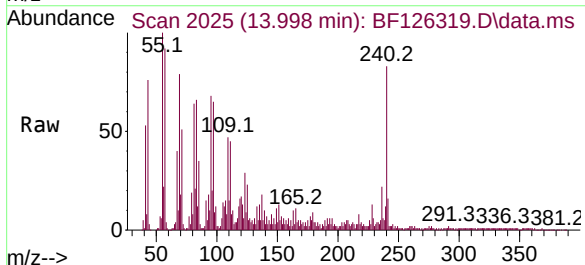


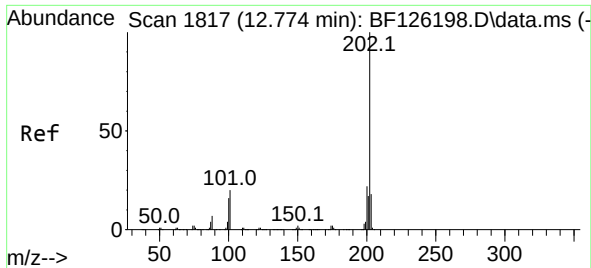
Tgt Ion:202 Resp: 243139
Ion Ratio Lower Upper
202 100
101 13.9 0.0 30.7
203 21.2 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.030 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

Tgt Ion:240 Resp: 161558
Ion Ratio Lower Upper
240 100
120 20.4 10.8 16.2#
236 26.3 21.6 32.4

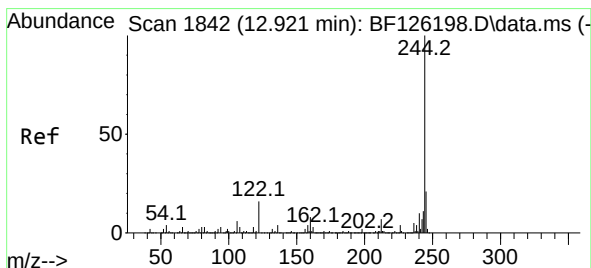
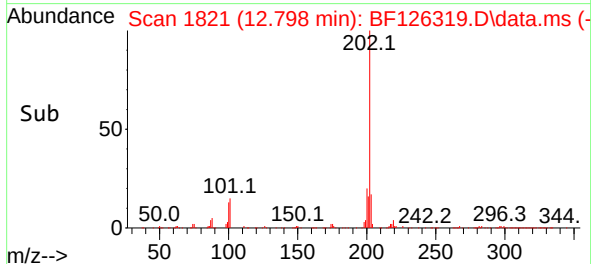
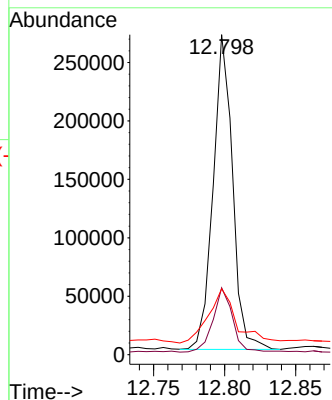
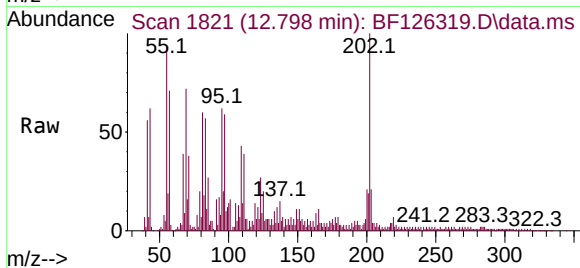




#78
Pyrene
Concen: 17.252 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.024 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

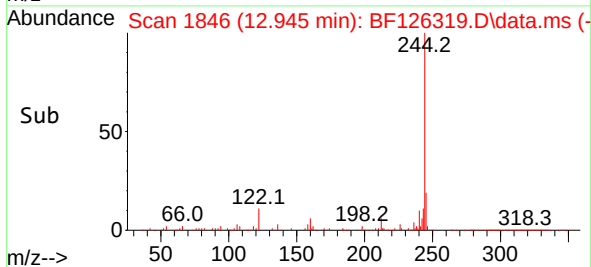
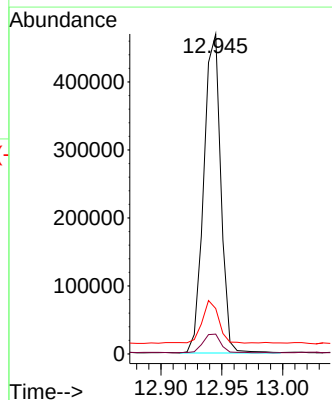
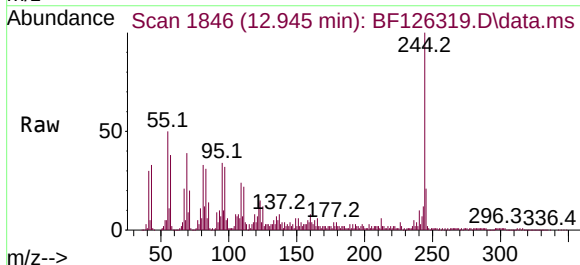
Instrument :
BNA_F
ClientSampleId :

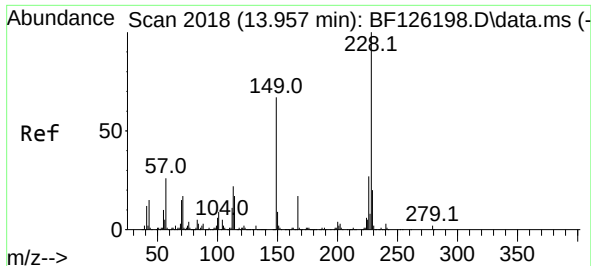
Tgt Ion:202 Resp: 256059
Ion Ratio Lower Upper
202 100
200 20.9 15.3 22.9
203 20.6 13.4 20.0#



#79
Terphenyl-d14
Concen: 49.077 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.024 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

Tgt Ion:244 Resp: 456173
Ion Ratio Lower Upper
244 100
212 6.2 5.9 8.9
122 14.2 9.0 13.4#

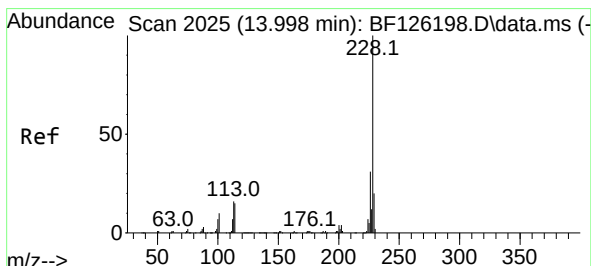
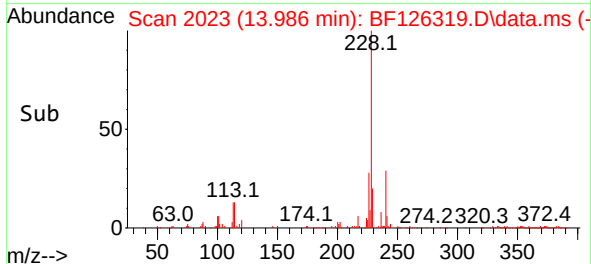
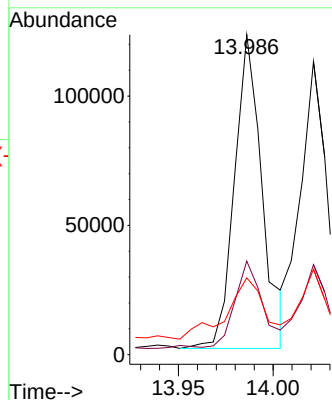
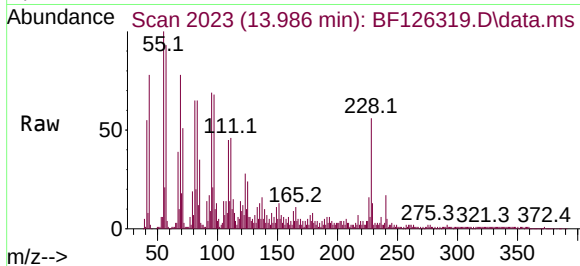




#81
Benzo(a)anthracene
Concen: 12.891 ng
RT: 13.986 min Scan# 2018
Delta R.T. 0.030 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

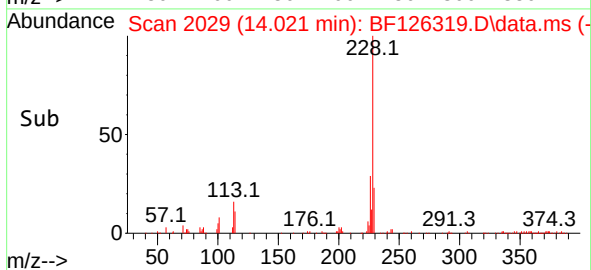
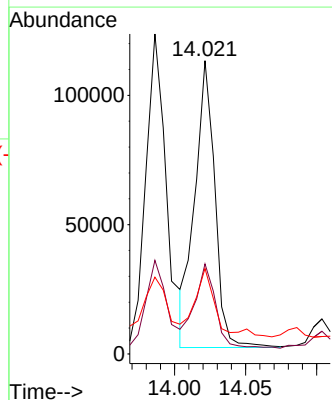
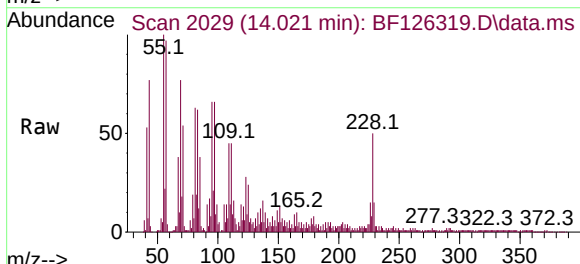
Instrument :
BNA_F
ClientSampleId :

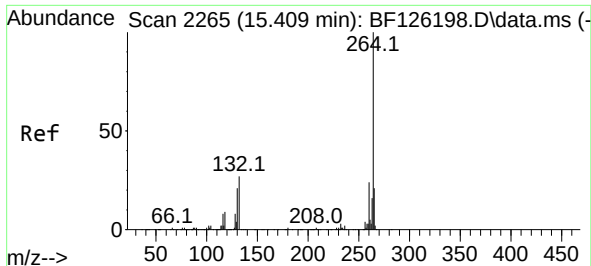
Tgt Ion:228 Resp: 123361
Ion Ratio Lower Upper
228 100
226 29.2 21.6 32.4
229 24.0 15.6 23.4#



#83
Chrysene
Concen: 10.974 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.024 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

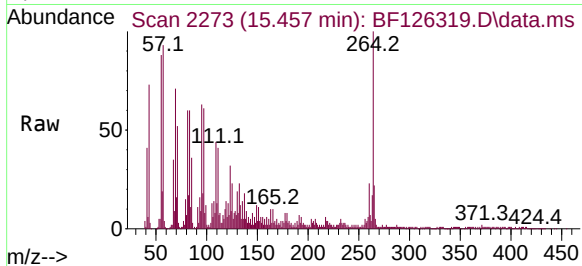
Tgt Ion:228 Resp: 109114
Ion Ratio Lower Upper
228 100
226 30.7 22.6 34.0
229 29.1 15.9 23.9#



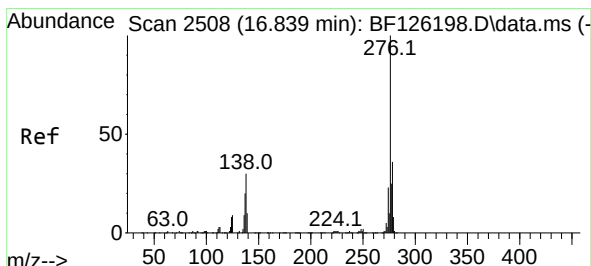
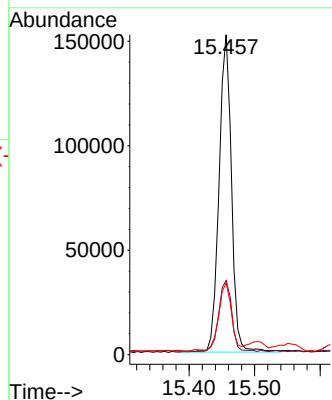
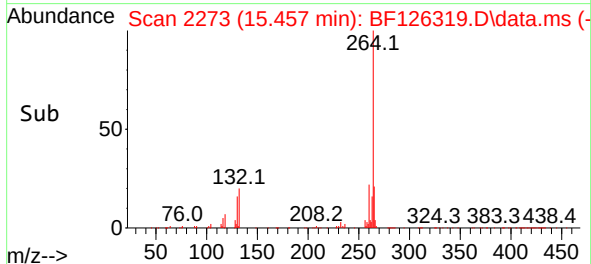


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

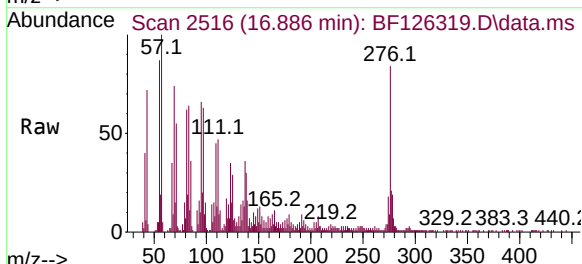
Instrument :
BNA_F
ClientSampleId :



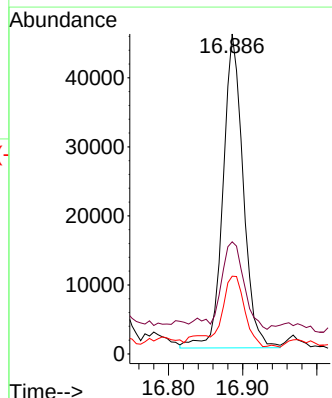
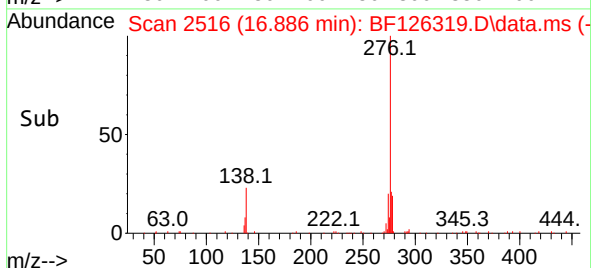
Tgt Ion:264 Resp: 199288
Ion Ratio Lower Upper
264 100
260 23.2 19.6 29.4
265 22.4 17.2 25.8

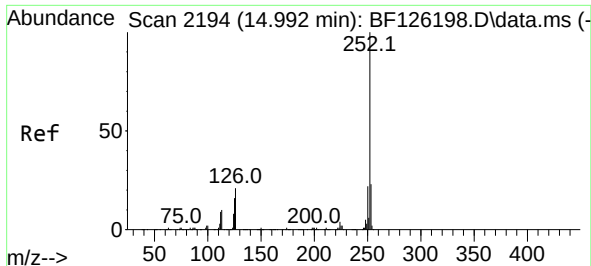


#87
Indeno(1,2,3-cd)pyrene
Concen: 6.456 ng
RT: 16.886 min Scan# 2516
Delta R.T. 0.047 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00



Tgt Ion:276 Resp: 85822
Ion Ratio Lower Upper
276 100
138 30.2 24.1 36.1
277 23.7 18.8 28.2

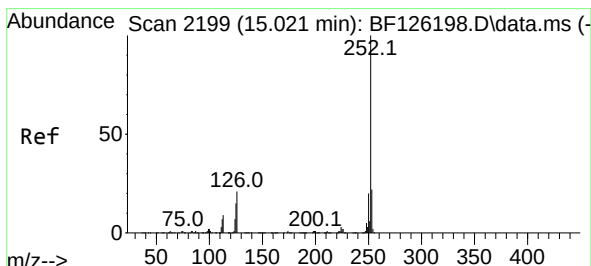
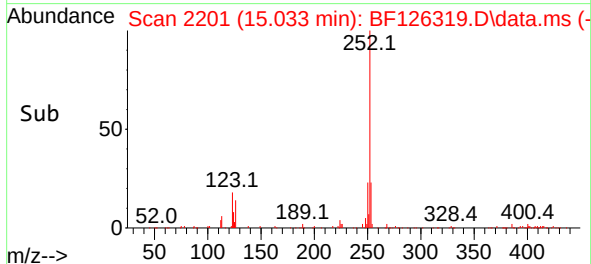
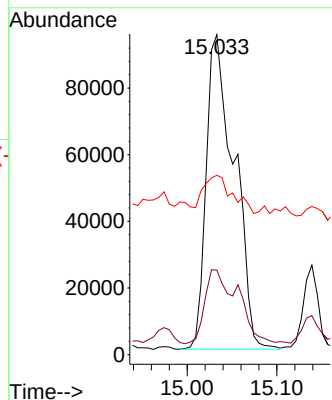
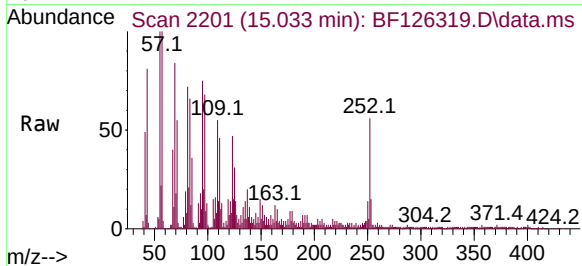




#88
Benzo(b)fluoranthene
Concen: 17.074 ng
RT: 15.033 min Scan# 2194
Delta R.T. 0.041 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

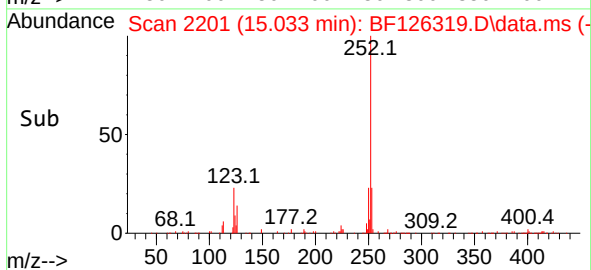
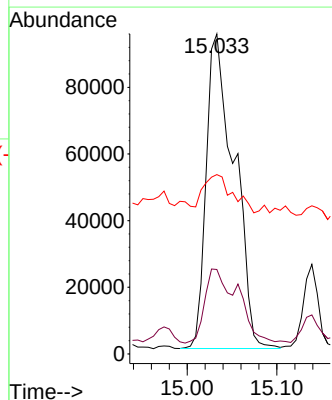
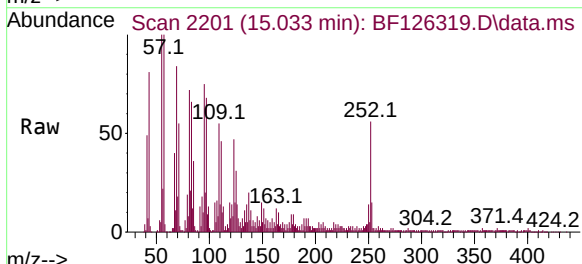
Instrument :
BNA_F
ClientSampleId :

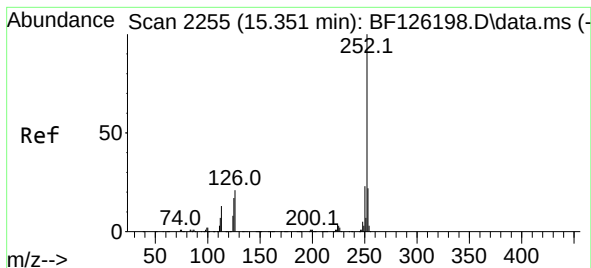
Tgt Ion:252 Resp: 204446
Ion Ratio Lower Upper
252 100
253 26.4 16.8 25.2#
125 56.0 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 17.848 ng
RT: 15.033 min Scan# 2201
Delta R.T. 0.012 min
Lab File: BF126319.D
Acq: 22 Dec 2021 3:00

Tgt Ion:252 Resp: 204446
Ion Ratio Lower Upper
252 100
253 26.4 17.8 26.8
125 56.0 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 14.221 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF126319.D

Acq: 22 Dec 2021 3:00

Instrument :

BNA_F

ClientSampleId :

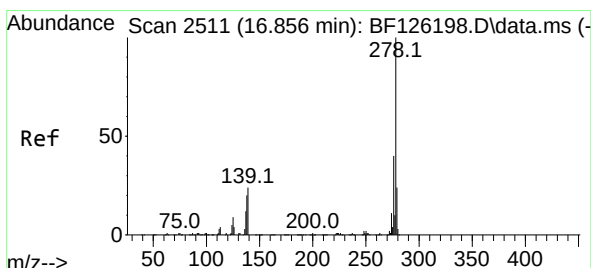
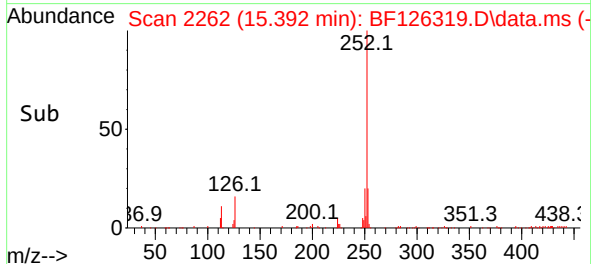
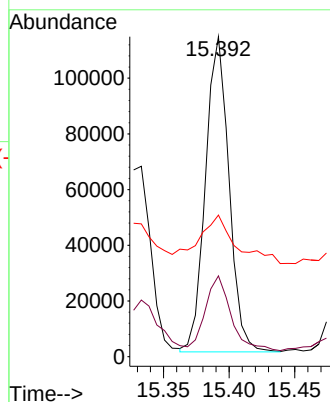
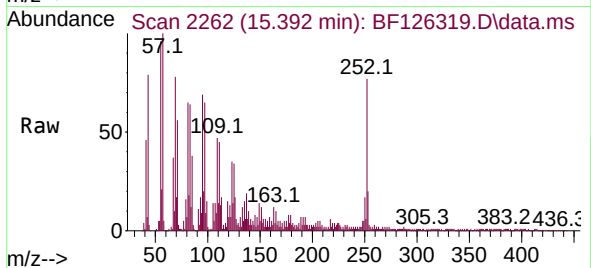
Tgt Ion:252 Resp: 141530

Ion Ratio Lower Upper

252 100

253 25.3 18.4 27.6

125 44.3 9.9 14.9#



#91

Dibenzo(a,h)anthracene

Concen: 2.422 ng

RT: 16.898 min Scan# 2518

Delta R.T. 0.041 min

Lab File: BF126319.D

Acq: 22 Dec 2021 3:00

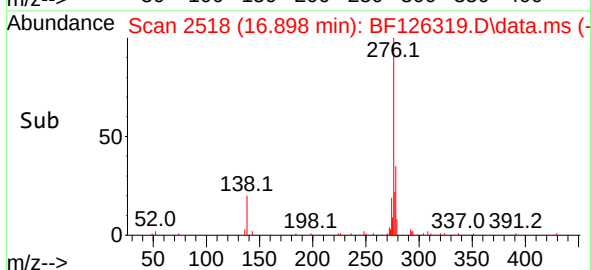
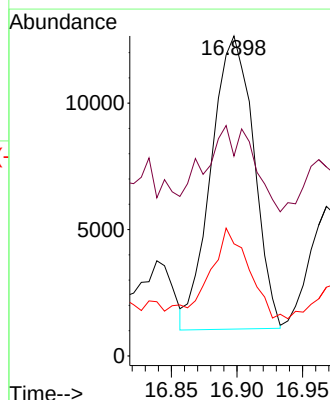
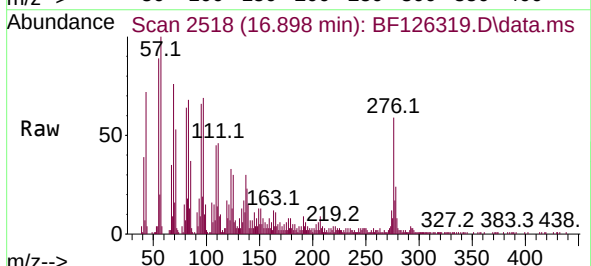
Tgt Ion:278 Resp: 26172

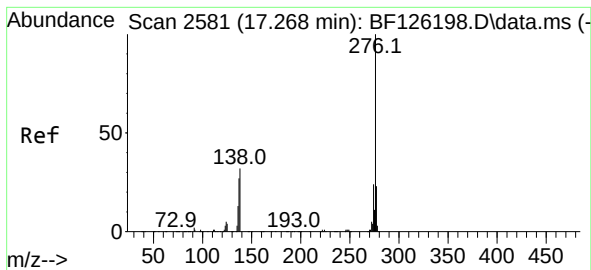
Ion Ratio Lower Upper

278 100

139 62.4 14.9 22.3#

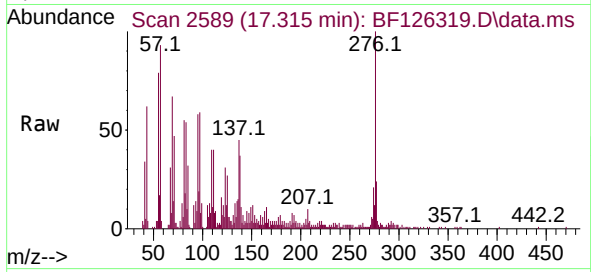
279 35.1 19.7 29.5#





#92
 Benzo(g,h,i)perylene
 Concen: 7.204 ng
 RT: 17.315 min Scan# 21
 Delta R.T. 0.047 min
 Lab File: BF126319.D
 Acq: 22 Dec 2021 3:00

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:	276	Resp:	80538
Ion Ratio	Lower	Upper	
276	100		
277	23.6	22.0	33.0
138	36.8	22.2	33.4#

