

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
 Data File : BF126266.D
 Acq On : 18 Dec 2021 21:26
 Operator : JU/CG
 Sample : M5168-04 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 08:04:40 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)

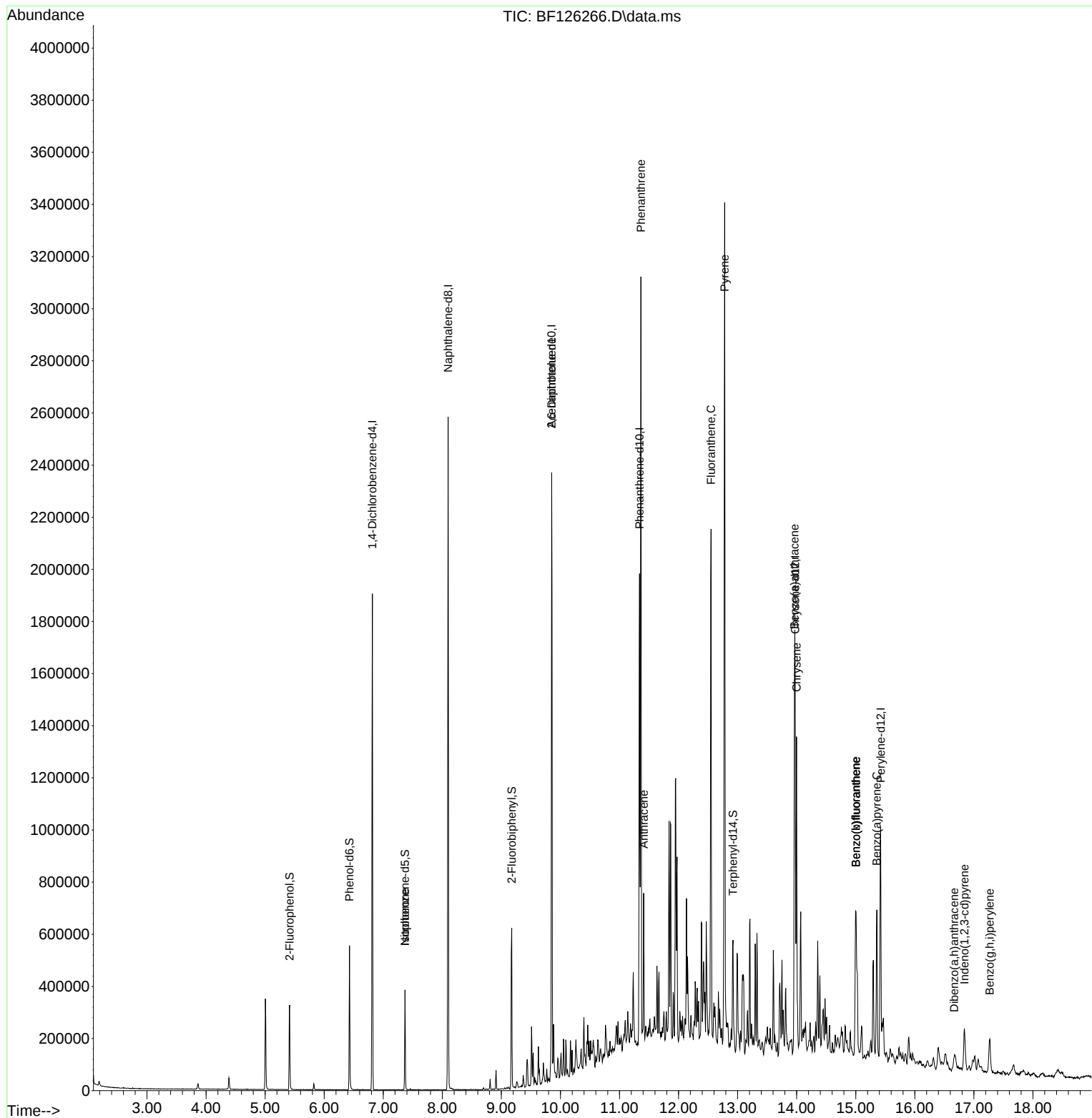
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	258730	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	1062188	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	472583	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	656869	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	367896	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	354386	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	96389	5.486	ng	0.00
7) Phenol-d6	6.428	99	168493	7.553	ng	-0.02
23) Nitrobenzene-d5	7.369	82	107751	5.494	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	3452	0.909	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	179628	6.666	ng	0.00
79) Terphenyl-d14	12.922	244	117626	5.557	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.369	82	103368	2.791	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	63891	9.861	ng	# 28
71) Phenanthrene	11.363	178	1009236	29.768	ng	97
72) Anthracene	11.410	178	186505	5.481	ng	99
75) Fluoranthene	12.551	202	736908	24.125	ng	93
78) Pyrene	12.780	202	1278249	37.819	ng	97
81) Benzo(a)anthracene	13.963	228	443509	20.352	ng	100
83) Chrysene	13.998	228	386205	17.057	ng	97
87) Indeno(1,2,3-cd)pyrene	16.839	276	93088	3.938	ng	94
88) Benzo(b)fluoranthene	15.004	252	405004	19.020	ng	# 92
89) Benzo(k)fluoranthene	15.004	252	405004	19.883	ng	# 92
90) Benzo(a)pyrene	15.357	252	242493	13.702	ng	# 95
91) Dibenzo(a,h)anthracene	16.668	278	38499	2.004	ng	96
92) Benzo(g,h,i)perylene	17.268	276	86769	4.364	ng	# 90

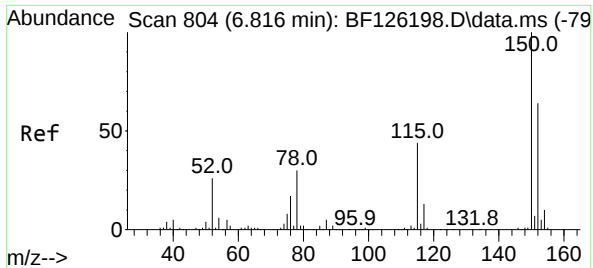
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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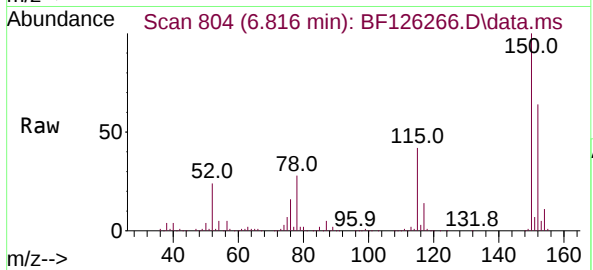
Quant Time: Dec 20 08:04:40 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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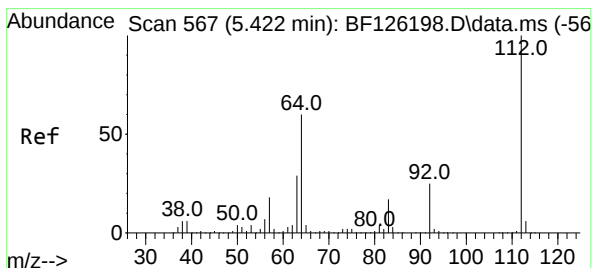
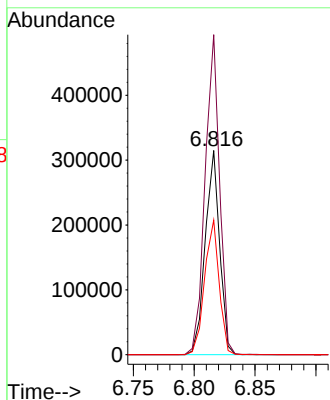
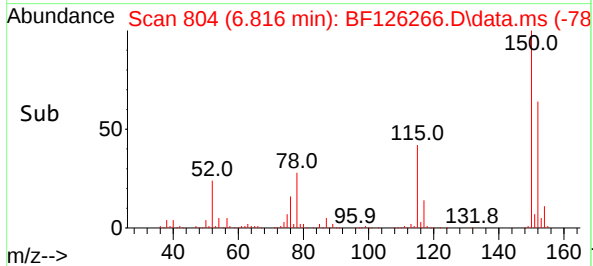


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. 0.000 min
 Lab File: BF126266.D
 Acq: 18 Dec 2021 21:26

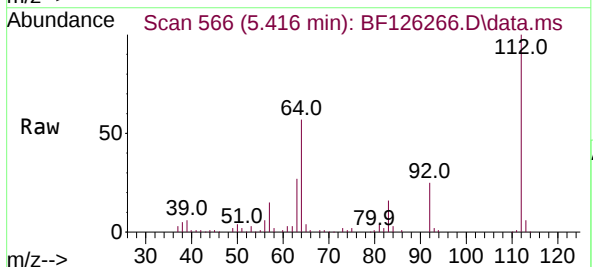
Instrument :
 BNA_F
 ClientSampleId :



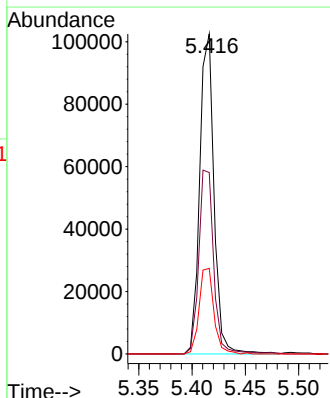
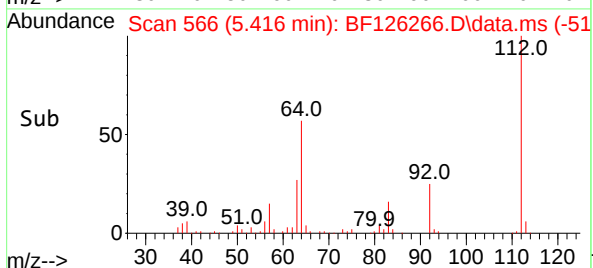
Tgt Ion:152 Resp: 258730
 Ion Ratio Lower Upper
 152 100
 150 156.7 117.6 176.4
 115 65.9 47.1 70.7

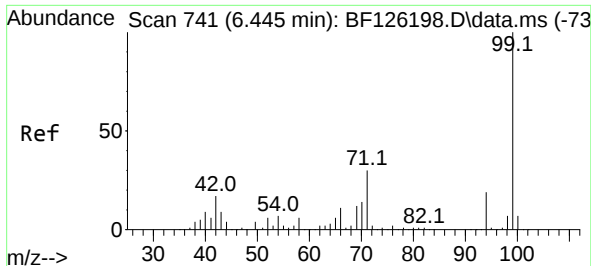


#5
 2-Fluorophenol
 Concen: 5.486 ng
 RT: 5.416 min Scan# 566
 Delta R.T. -0.006 min
 Lab File: BF126266.D
 Acq: 18 Dec 2021 21:26



Tgt Ion:112 Resp: 96389
 Ion Ratio Lower Upper
 112 100
 64 56.7 44.2 66.2
 63 26.8 26.2 39.2

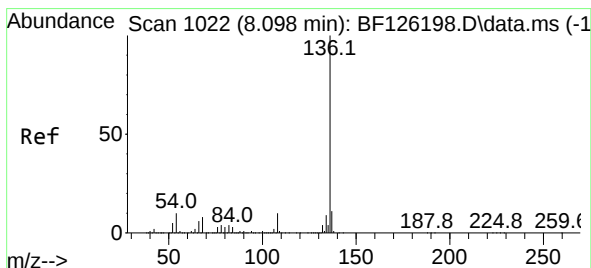
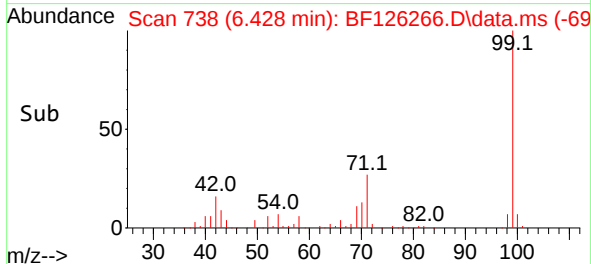
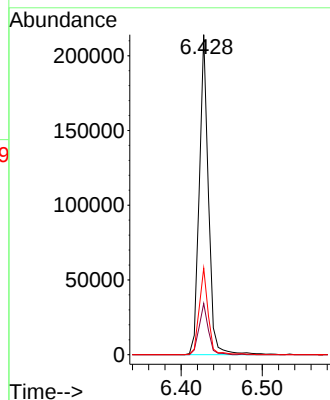
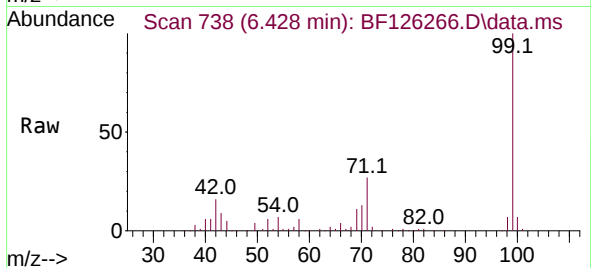




#7
Phenol-d6
Concen: 7.553 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

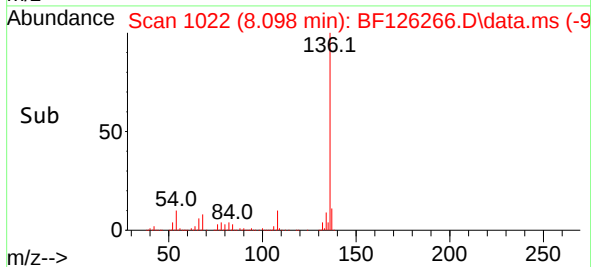
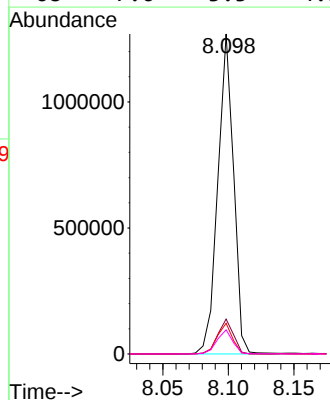
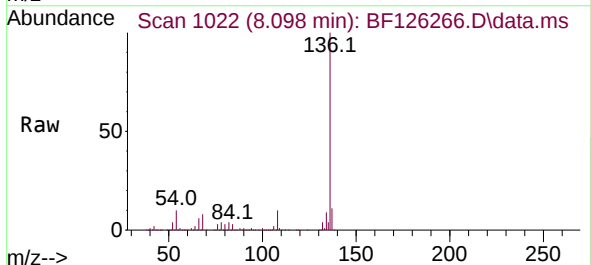
Instrument :
BNA_F
ClientSampleId :

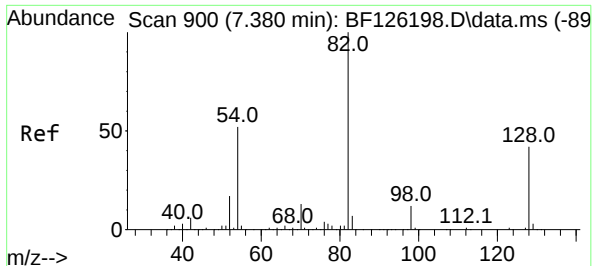
Tgt Ion: 99 Resp: 168493
Ion Ratio Lower Upper
99 100
42 16.0 23.5 35.3#
71 27.1 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

Tgt Ion: 136 Resp: 1062188
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 9.6 6.4 9.6
68 7.6 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 5.494 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

Instrument :

BNA_F

ClientSampleId :

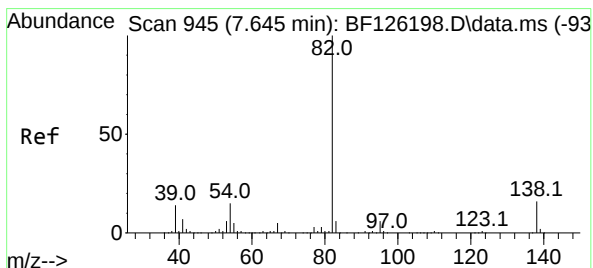
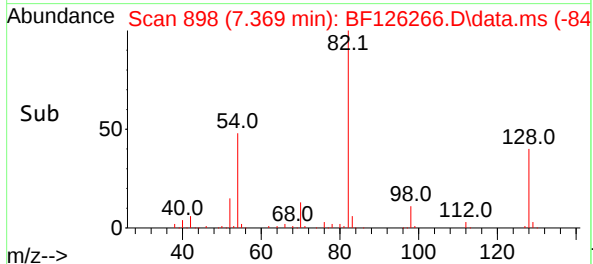
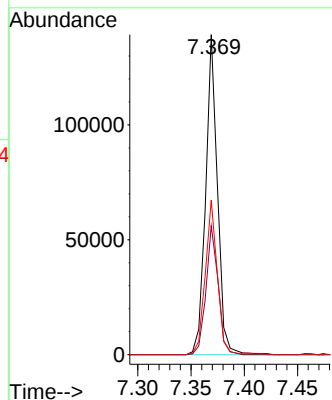
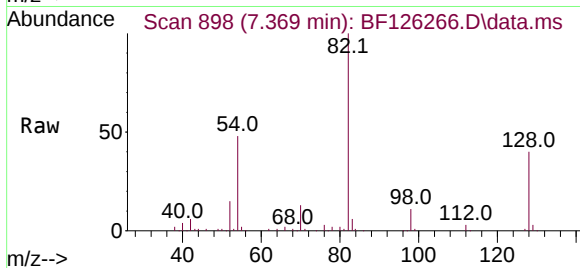
Tgt Ion: 82 Resp: 107751

Ion Ratio Lower Upper

82 100

128 40.3 40.6 60.8#

54 48.3 49.6 74.4#



#25

Isophorone

Concen: 2.791 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.276 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

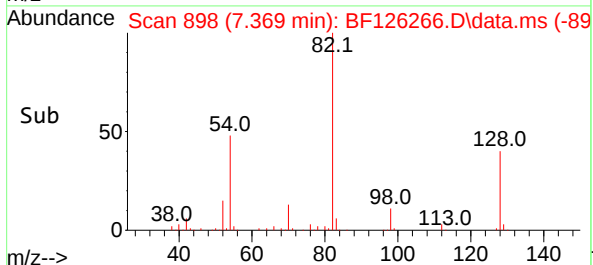
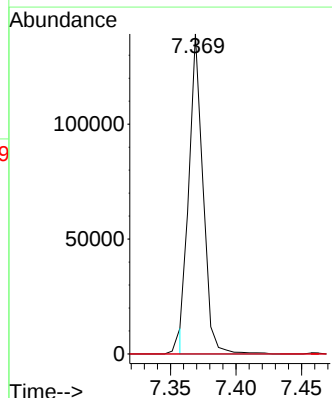
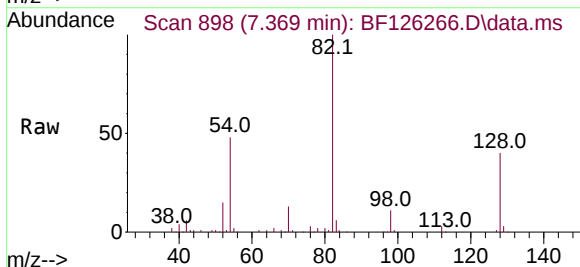
Tgt Ion: 82 Resp: 103368

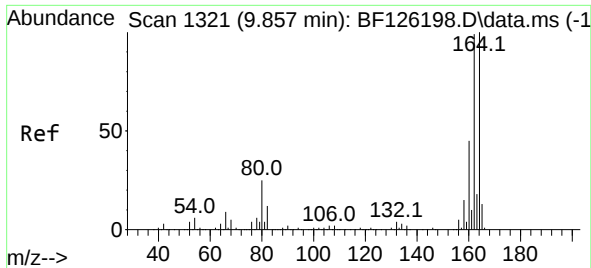
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

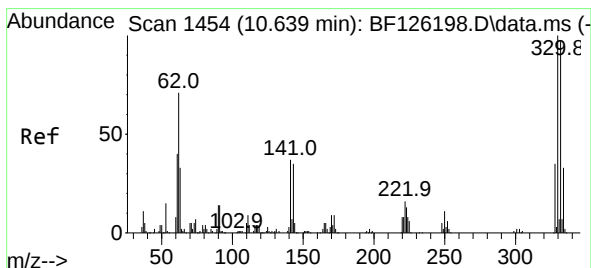
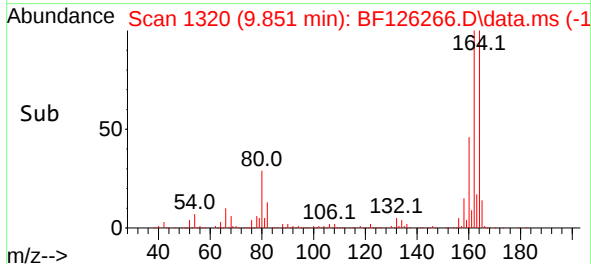
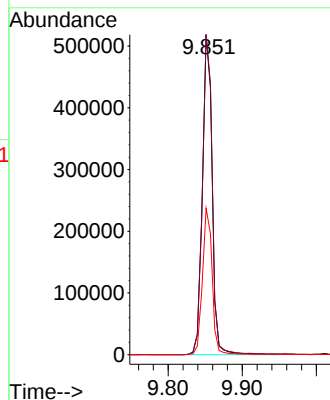
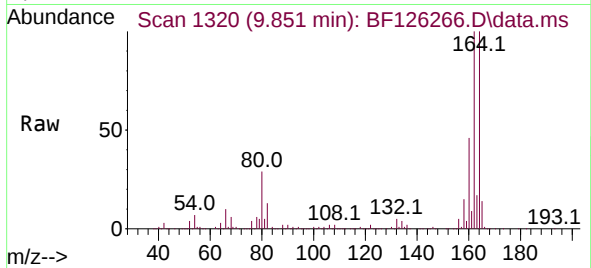




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

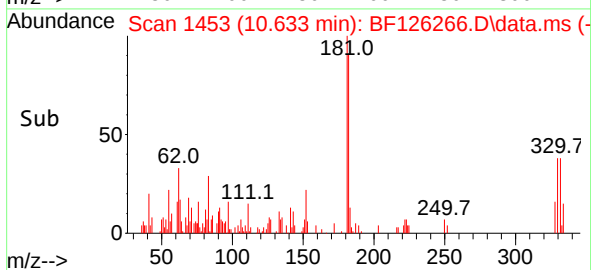
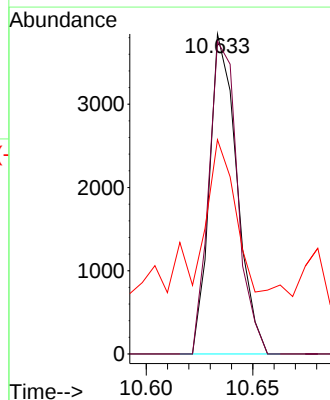
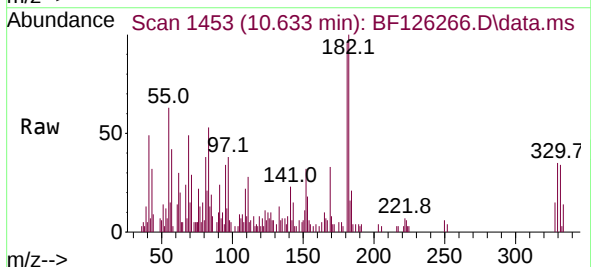
Instrument :
BNA_F
ClientSampleId :

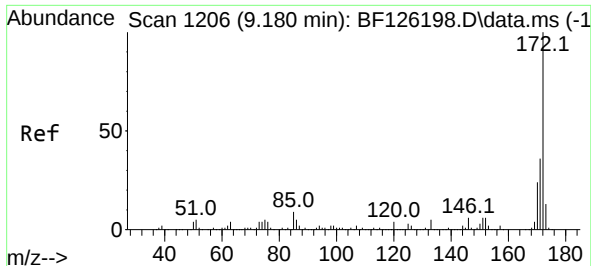
Tgt Ion:164 Resp: 472583
Ion Ratio Lower Upper
164 100
162 100.0 81.3 121.9
160 45.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 0.909 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

Tgt Ion:330 Resp: 3452
Ion Ratio Lower Upper
330 100
332 102.2 76.2 114.4
141 106.7 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 6.666 ng

RT: 9.175 min Scan# 11

Delta R.T. -0.006 min

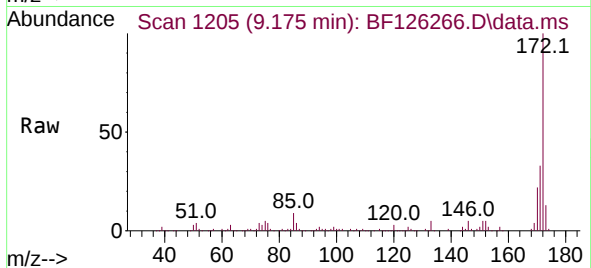
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Acq: 18 Dec 2021 21:26

Instrument :

BNA_F

ClientSampleId :



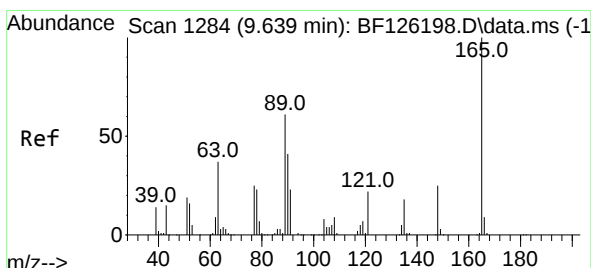
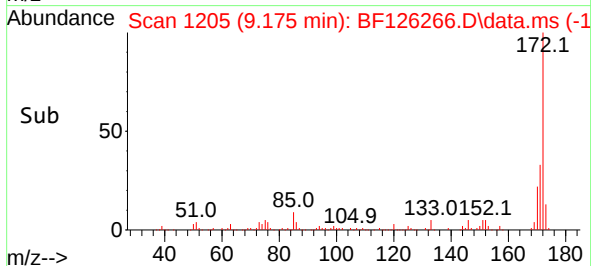
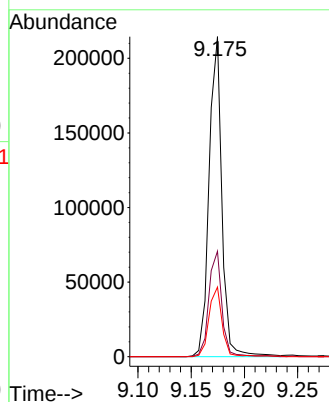
Tgt Ion:172 Resp: 179628

Ion Ratio Lower Upper

172 100

171 32.9 26.5 39.7

170 21.7 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.861 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF126266.D

Acq: 18 Dec 2021 21:26

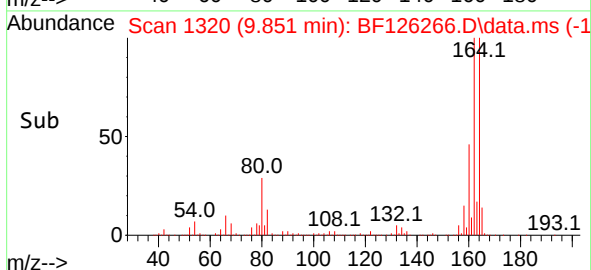
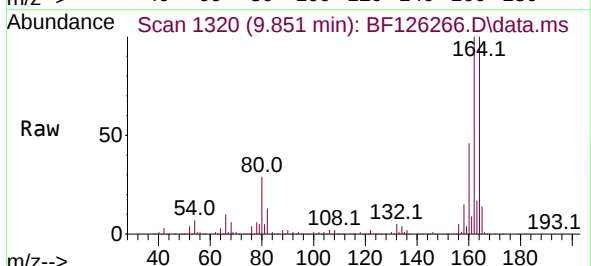
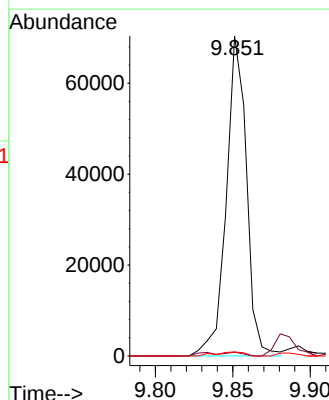
Tgt Ion:165 Resp: 63891

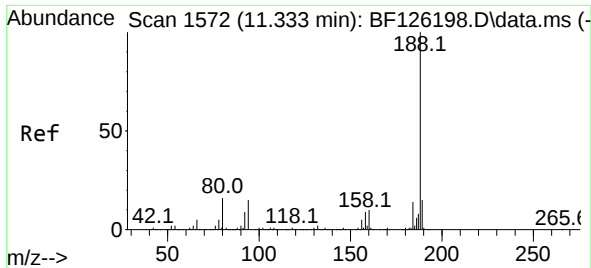
Ion Ratio Lower Upper

165 100

63 1.2 42.6 63.8#

89 1.3 40.6 60.8#

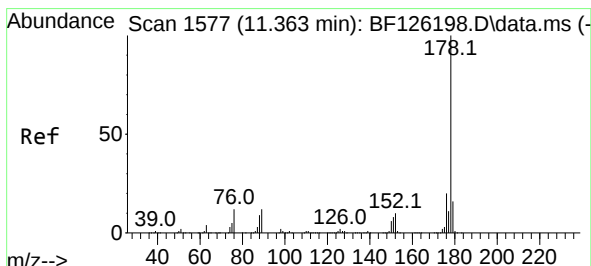
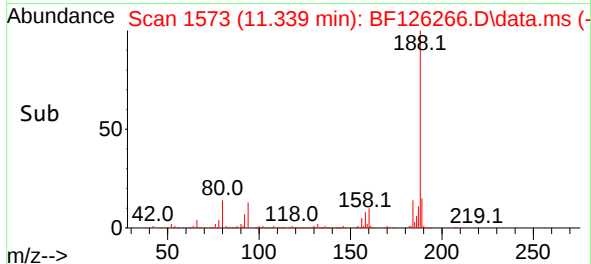
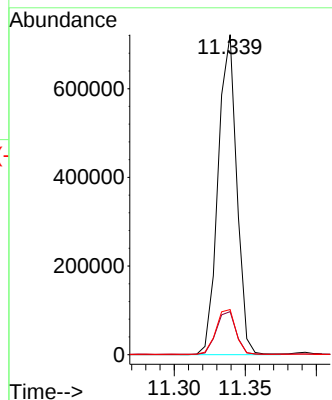
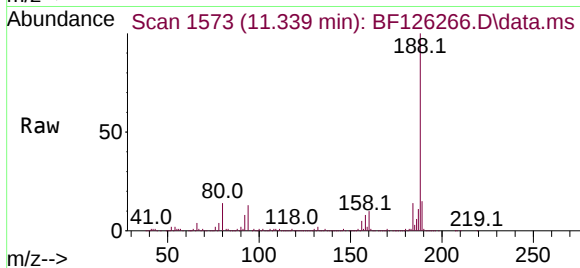




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

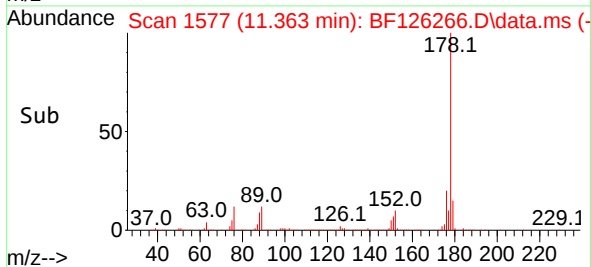
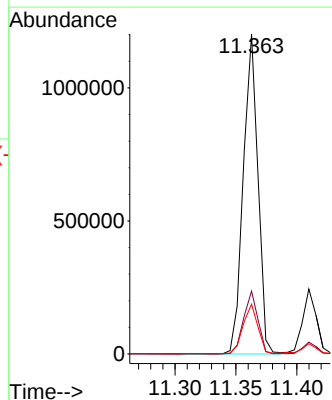
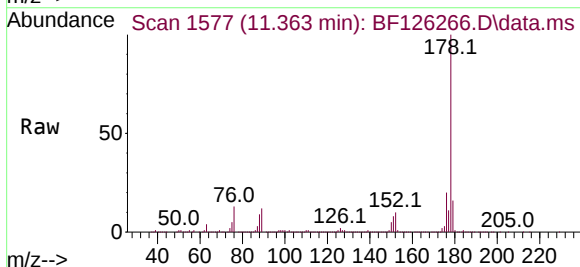
Instrument :
BNA_F
ClientSampleId :

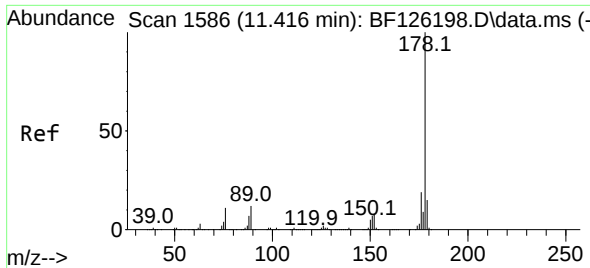
Tgt Ion:188 Resp: 656869
Ion Ratio Lower Upper
188 100
94 13.4 6.7 10.1#
80 14.1 7.5 11.3#



#71
Phenanthrene
Concen: 29.768 ng
RT: 11.363 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

Tgt Ion:178 Resp: 1009236
Ion Ratio Lower Upper
178 100
176 19.6 14.7 22.1
179 15.6 11.5 17.3

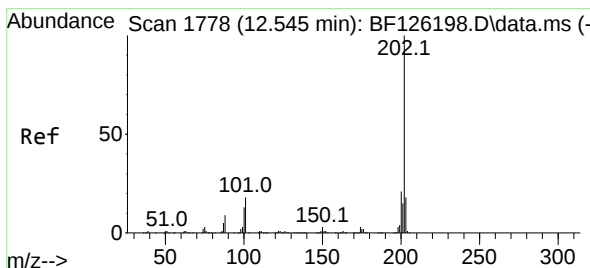
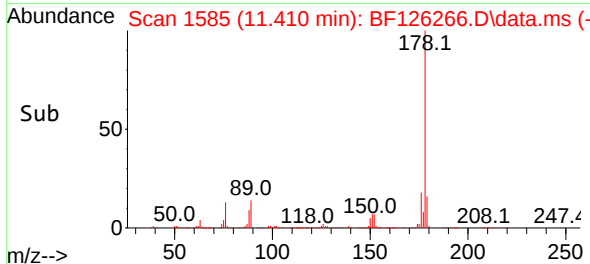
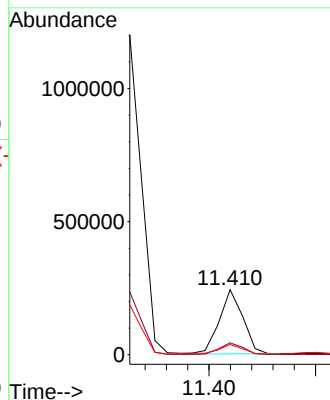
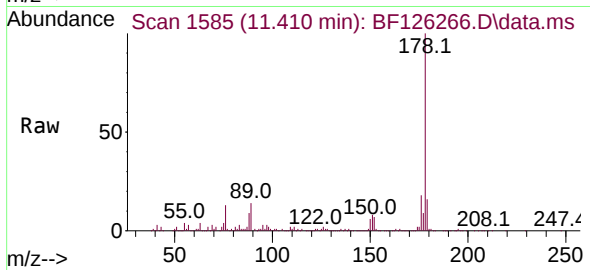




#72
 Anthracene
 Concen: 5.481 ng
 RT: 11.410 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126266.D
 Acq: 18 Dec 2021 21:26

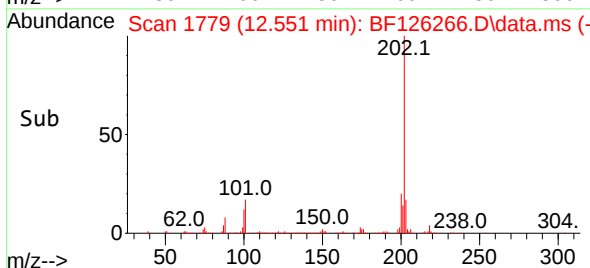
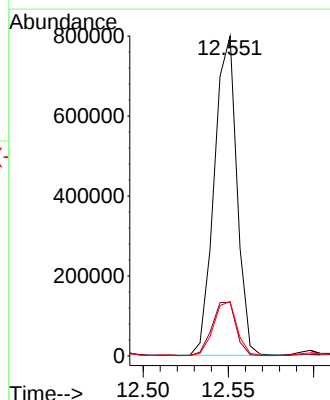
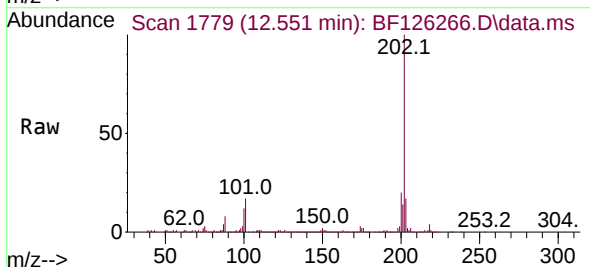
Instrument :
 BNA_F
 ClientSampleId :

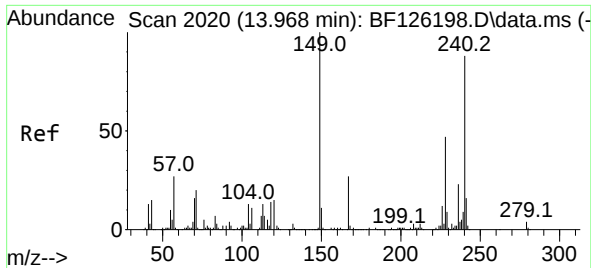
Tgt Ion:178 Resp: 186505
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.3 21.5
 179 15.8 12.2 18.4



#75
 Fluoranthene
 Concen: 24.125 ng
 RT: 12.551 min Scan# 1779
 Delta R.T. 0.006 min
 Lab File: BF126266.D
 Acq: 18 Dec 2021 21:26

Tgt Ion:202 Resp: 736908
 Ion Ratio Lower Upper
 202 100
 101 16.7 0.0 30.7
 203 17.0 0.0 36.3

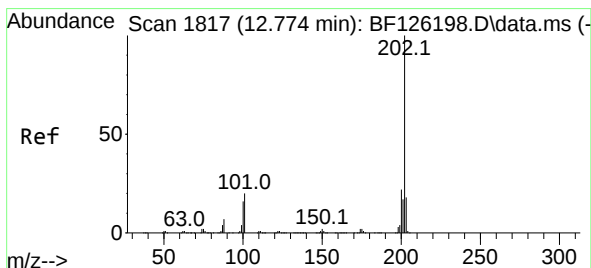
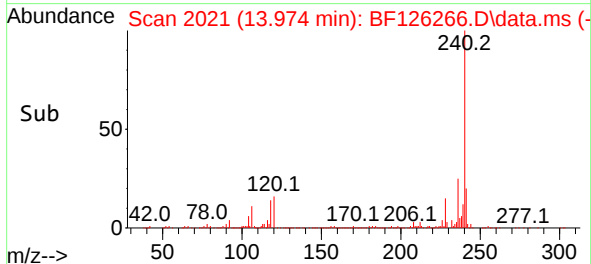
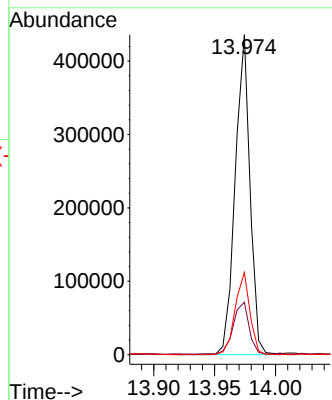
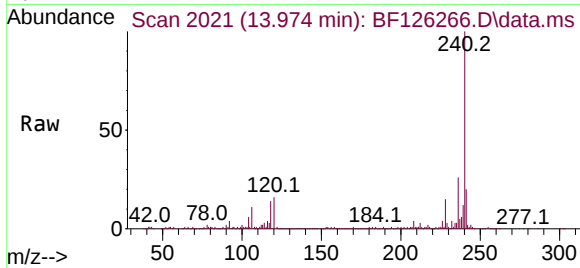




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

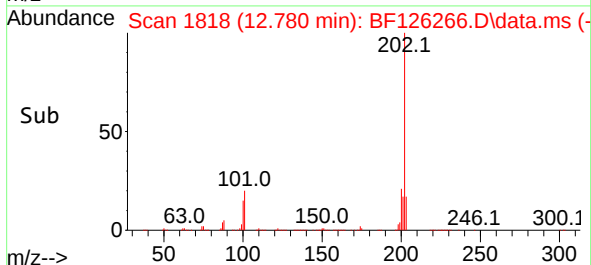
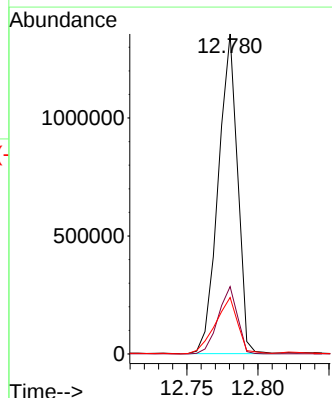
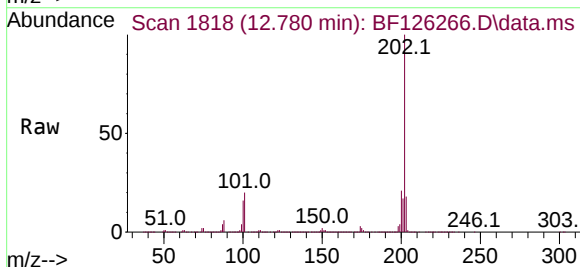
Instrument :
BNA_F
ClientSampleId :

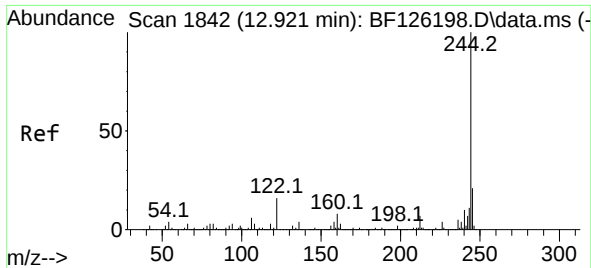
Tgt Ion:240 Resp: 367896
Ion Ratio Lower Upper
240 100
120 16.4 10.8 16.2#
236 25.7 21.6 32.4



#78
Pyrene
Concen: 37.819 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

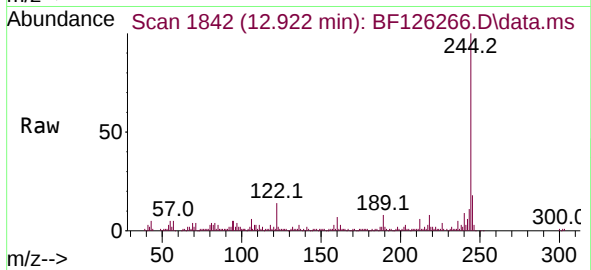
Tgt Ion:202 Resp: 1278249
Ion Ratio Lower Upper
202 100
200 21.1 15.3 22.9
203 17.6 13.4 20.0



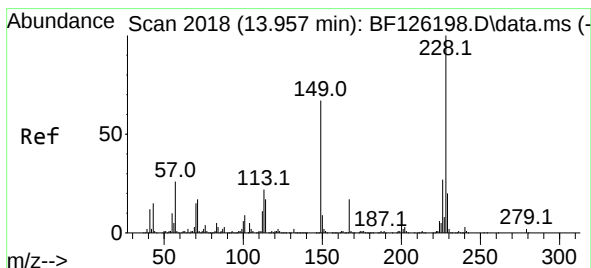
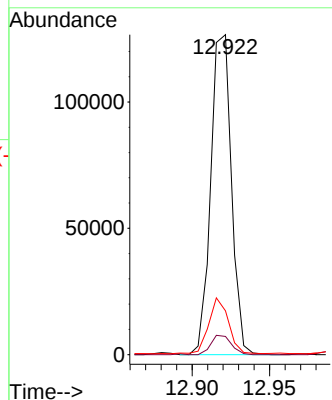
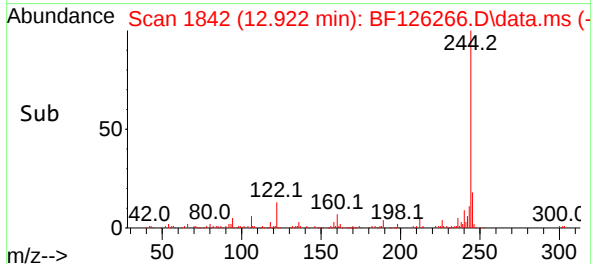


#79
 Terphenyl-d14
 Concen: 5.557 ng
 RT: 12.922 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF126266.D
 Acq: 18 Dec 2021 21:26

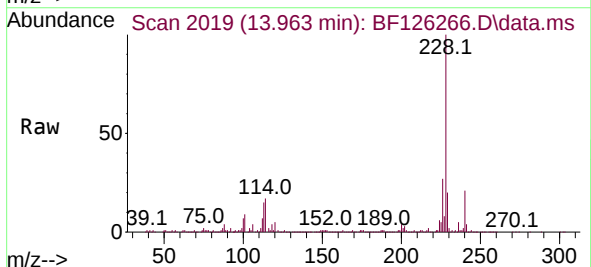
Instrument :
 BNA_F
 ClientSampleId :



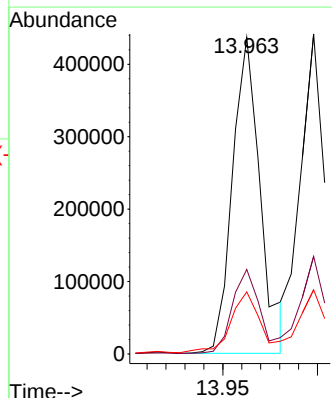
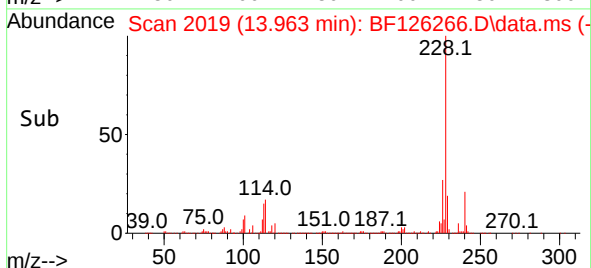
Tgt Ion:244 Resp: 117626
 Ion Ratio Lower Upper
 244 100
 212 5.7 5.9 8.9#
 122 13.7 9.0 13.4#

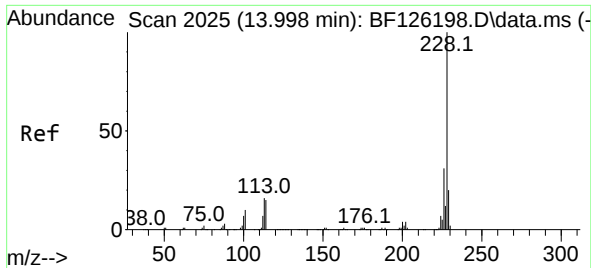


#81
 Benzo(a)anthracene
 Concen: 20.352 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: BF126266.D
 Acq: 18 Dec 2021 21:26



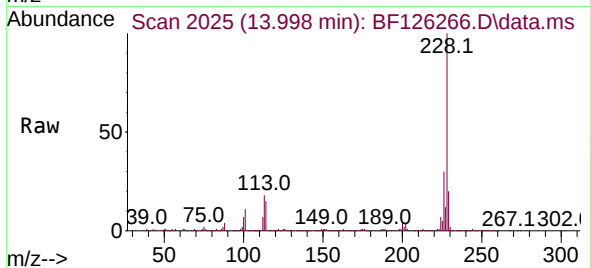
Tgt Ion:228 Resp: 443509
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.6 32.4
 229 19.6 15.6 23.4



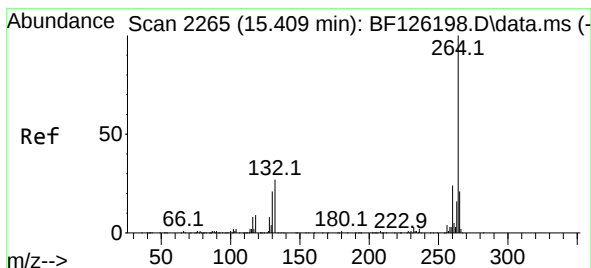
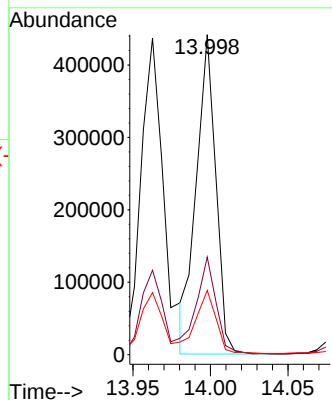
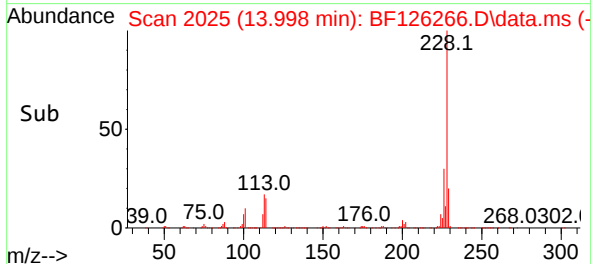


#83
Chrysene
Concen: 17.057 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

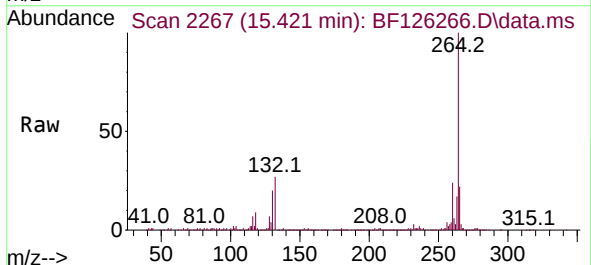
Instrument :
BNA_F
ClientSampleId :



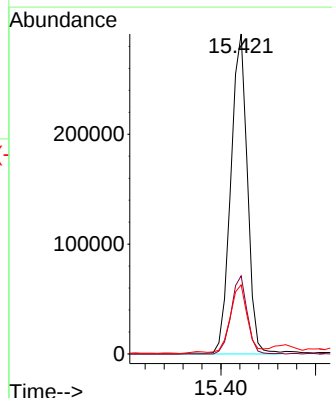
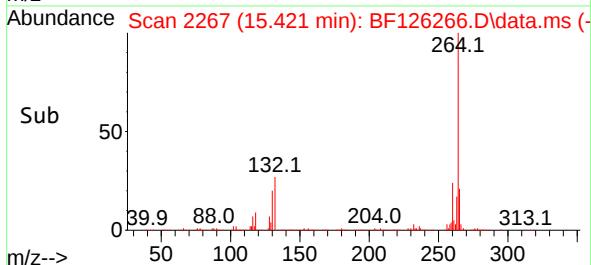
Tgt Ion:228 Resp: 386205
Ion Ratio Lower Upper
228 100
226 30.5 22.6 34.0
229 20.0 15.9 23.9

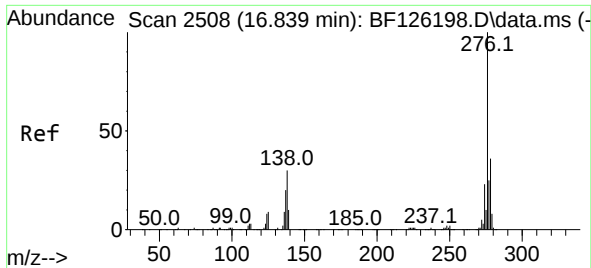


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.012 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26



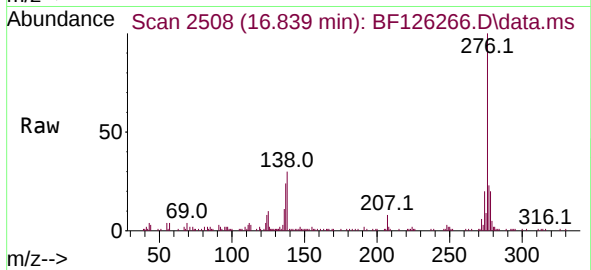
Tgt Ion:264 Resp: 354386
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 21.6 17.2 25.8



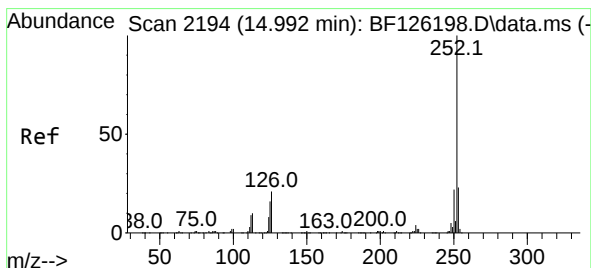
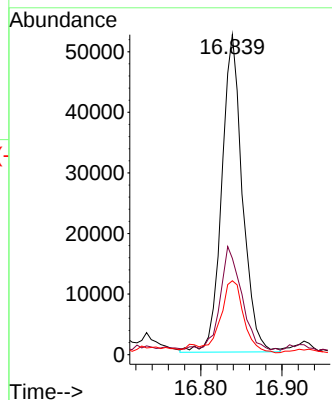
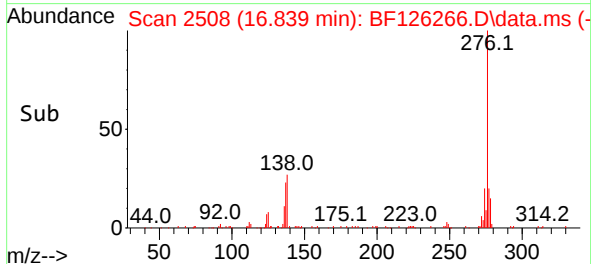


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.938 ng
 RT: 16.839 min Scan# 2196
 Delta R.T. 0.000 min
 Lab File: BF126266.D
 Acq: 18 Dec 2021 21:26

Instrument :
 BNA_F
 ClientSampleId :

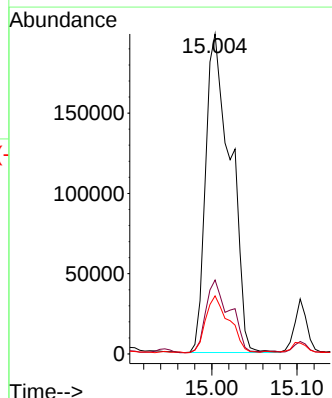
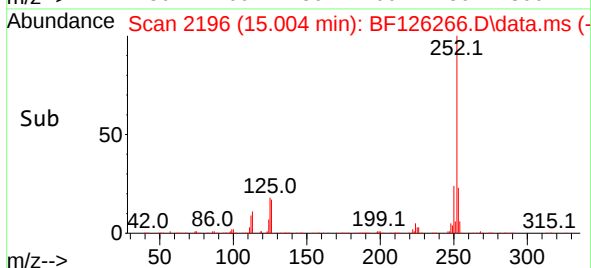
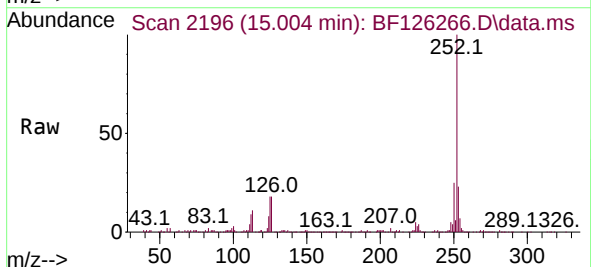


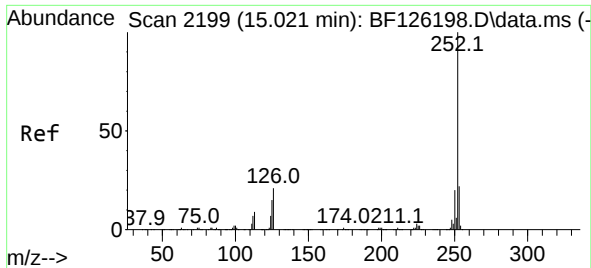
Tgt Ion:276 Resp: 93088
 Ion Ratio Lower Upper
 276 100
 138 33.7 24.1 36.1
 277 26.0 18.8 28.2



#88
 Benzo(b)fluoranthene
 Concen: 19.020 ng
 RT: 15.004 min Scan# 2196
 Delta R.T. 0.012 min
 Lab File: BF126266.D
 Acq: 18 Dec 2021 21:26

Tgt Ion:252 Resp: 405004
 Ion Ratio Lower Upper
 252 100
 253 23.1 16.8 25.2
 125 18.1 9.8 14.8#

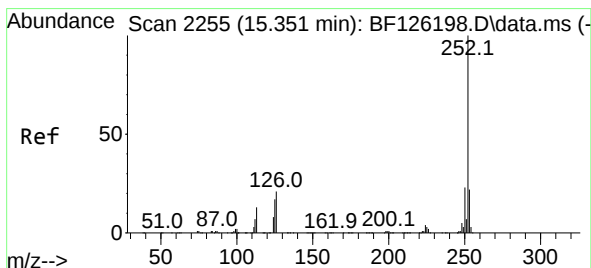
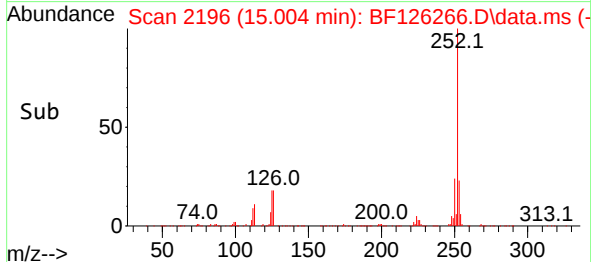
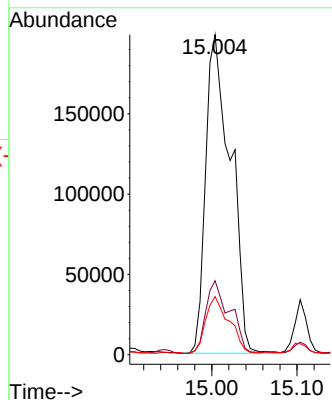
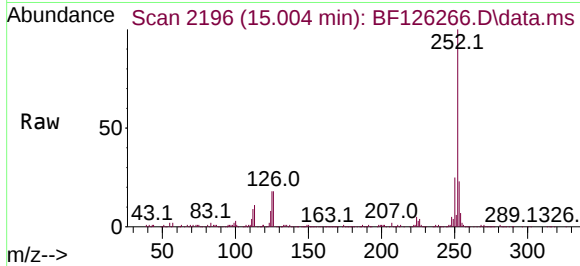




#89
Benzo(k)fluoranthene
Concen: 19.883 ng
RT: 15.004 min Scan# 2199
Delta R.T. -0.017 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

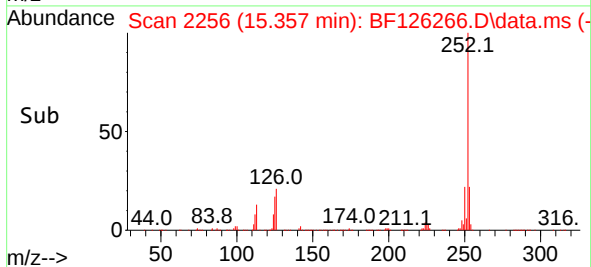
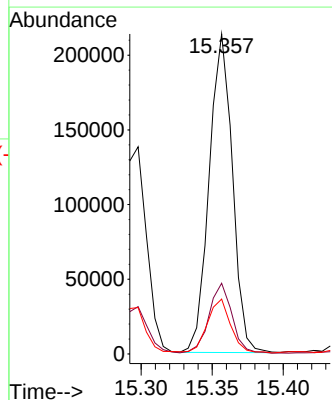
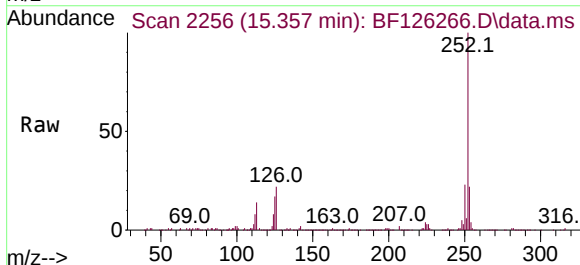
Instrument :
BNA_F
ClientSampleId :

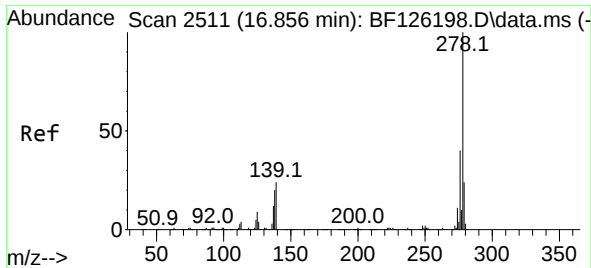
Tgt Ion:252 Resp: 405004
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 18.1 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 13.702 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

Tgt Ion:252 Resp: 242493
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 17.2 9.9 14.9#

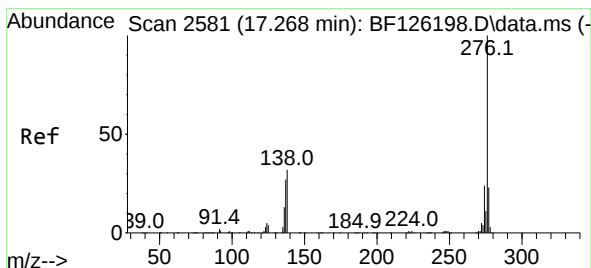
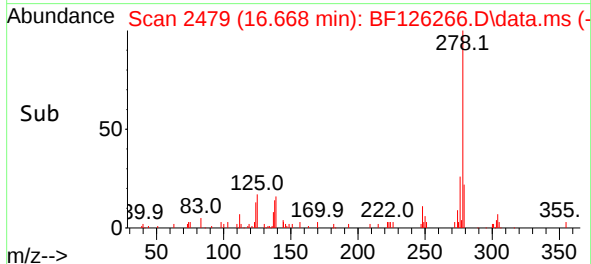
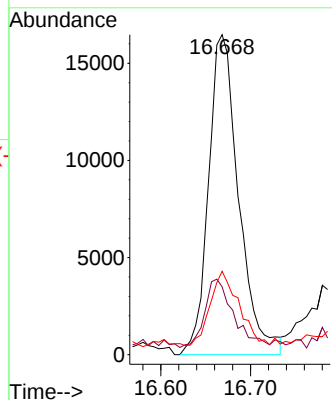
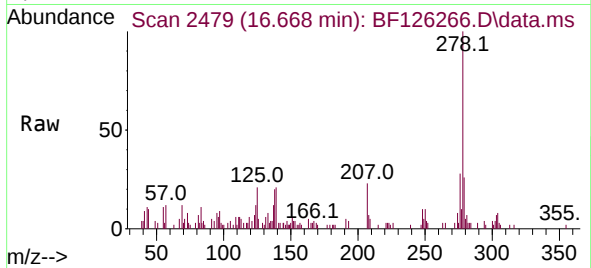




#91
Dibenzo(a,h)anthracene
Concen: 2.004 ng
RT: 16.668 min Scan# 2479
Delta R.T. -0.188 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 38499
Ion Ratio Lower Upper
278 100
139 21.2 14.9 22.3
279 26.0 19.7 29.5



#92
Benzo(g,h,i)perylene
Concen: 4.364 ng
RT: 17.268 min Scan# 2581
Delta R.T. 0.000 min
Lab File: BF126266.D
Acq: 18 Dec 2021 21:26

Tgt Ion:276 Resp: 86769
Ion Ratio Lower Upper
276 100
277 26.5 22.0 33.0
138 36.8 22.2 33.4#

