

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122221\
 Data File : BF126332.D
 Acq On : 22 Dec 2021 16:46
 Operator : JU/CG
 Sample : M5198-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 17:09:07 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

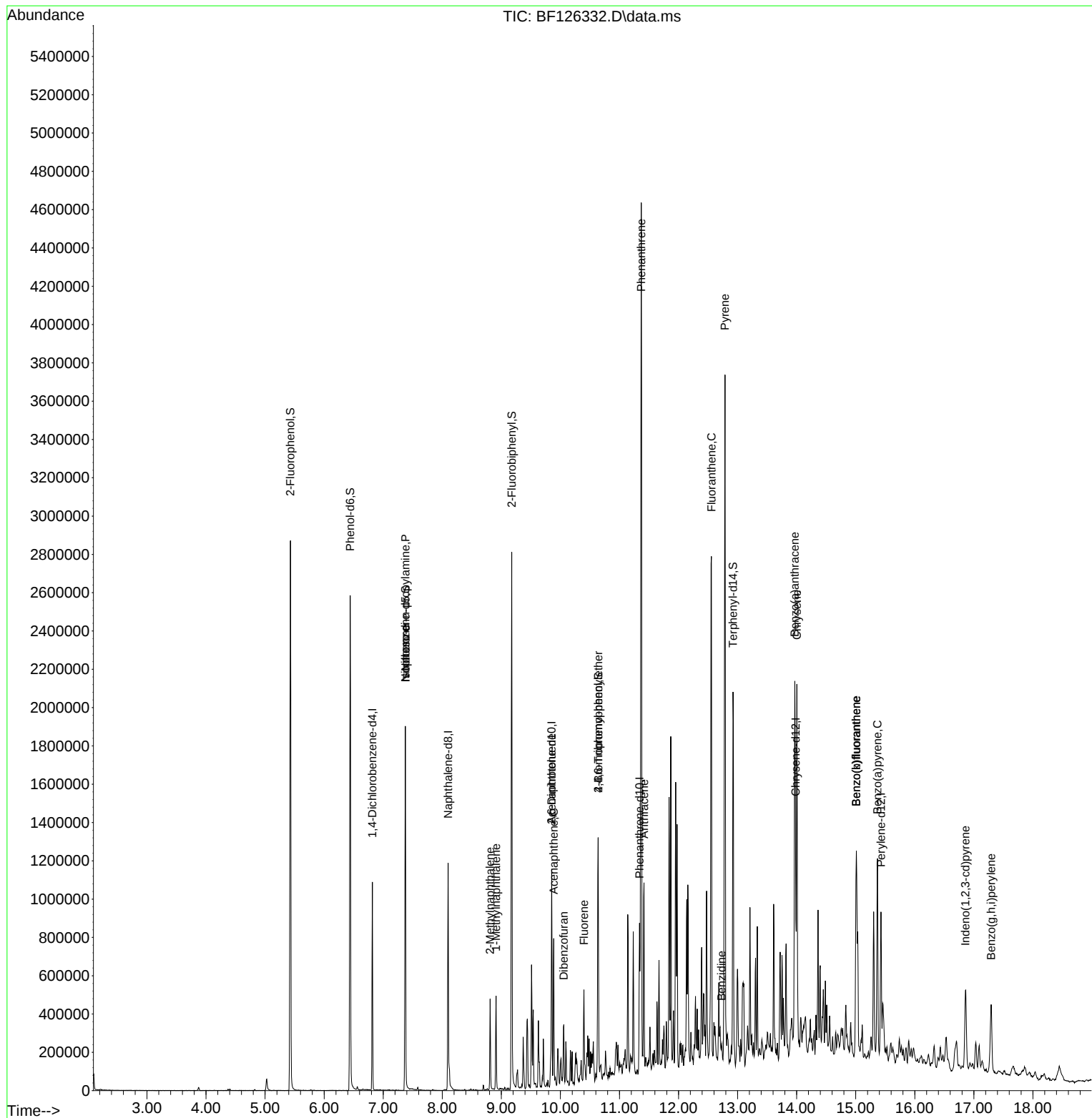
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	139896	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	551111	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	220397	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	303734	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	230066	20.000	ng	0.00
86) Perylene-d12	15.427	264	299127	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	856552	90.167	ng	0.00
7) Phenol-d6	6.440	99	1031100	85.483	ng	0.00
23) Nitrobenzene-d5	7.375	82	646439	63.527	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	142904	80.682	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	877518	69.831	ng	0.00
79) Terphenyl-d14	12.922	244	636859	48.114	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.375	70	80613	10.886	ng	# 56
25) Isophorone	7.375	82	646431	33.640	ng	# 59
37) 2-Methylnaphthalene	8.810	142	126378	7.962	ng	96
38) 1-Methylnaphthalene	8.910	142	129489	8.407	ng	94
51) 2,6-Dinitrotoluene	9.851	165	35336	11.694	ng	# 29
52) Acenaphthene	9.886	154	150017	12.347	ng	100
55) Dibenzofuran	10.057	168	54544	3.297	ng	# 92
58) Fluorene	10.398	166	109106	9.111	ng	98
67) 4-Bromophenyl-phenylether	10.639	248	7490	2.628	ng	# 1
71) Phenanthrene	11.369	178	2022263	128.998	ng	96
72) Anthracene	11.416	178	377367	23.983	ng	99
75) Fluoranthene	12.557	202	1075035	76.112	ng	95
77) Benzidine	12.727	184	8674	2.391	ng	97
78) Pyrene	12.786	202	1609065	76.127	ng	96
81) Benzo(a)anthracene	13.969	228	716037	52.542	ng	98
83) Chrysene	14.004	228	638165	45.070	ng	97
87) Indeno(1,2,3-cd)pyrene	16.857	276	260611	13.062	ng	99
88) Benzo(b)fluoranthene	15.010	252	774000	43.064	ng	# 95
89) Benzo(k)fluoranthene	15.010	252	774000	45.017	ng	# 94
90) Benzo(a)pyrene	15.368	252	482945	32.330	ng	# 96
92) Benzo(g,h,i)perylene	17.292	276	249200	14.850	ng	92

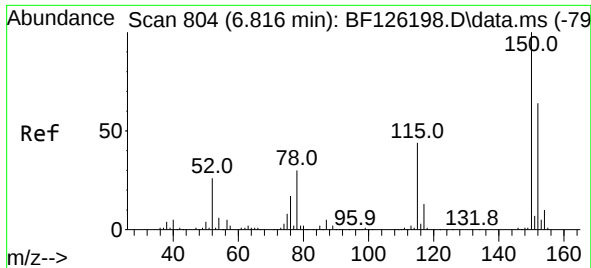
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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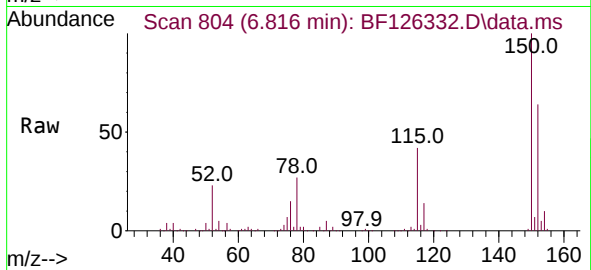
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 22 13:00:11 2021
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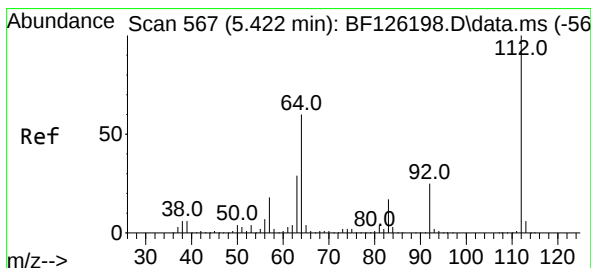
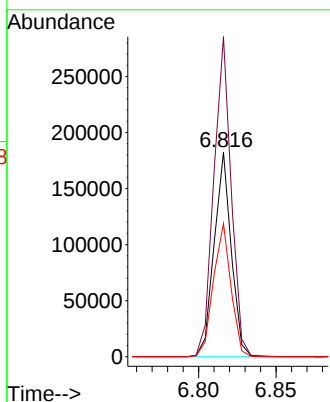
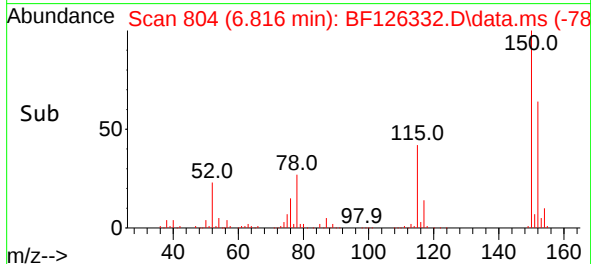


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. 0.000 min
 Lab File: BF126332.D
 Acq: 22 Dec 2021 16:46

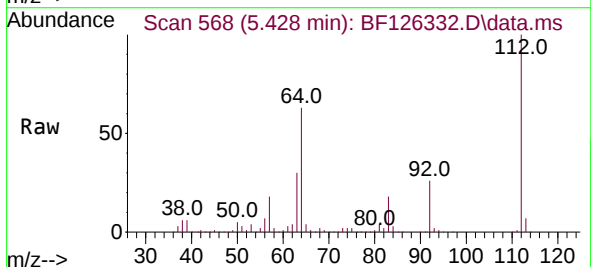
Instrument :
 BNA_F
 ClientSampleId :



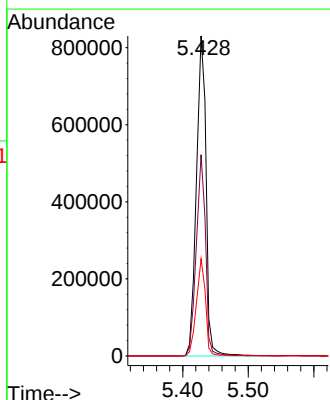
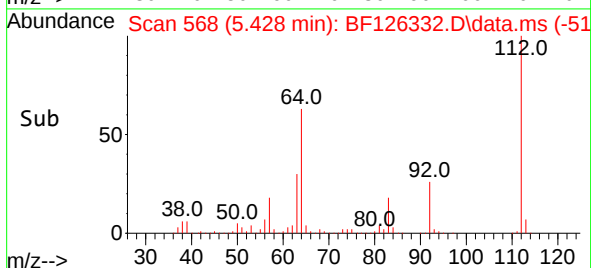
Tgt Ion:152 Resp: 139896
 Ion Ratio Lower Upper
 152 100
 150 156.4 117.6 176.4
 115 65.1 47.1 70.7

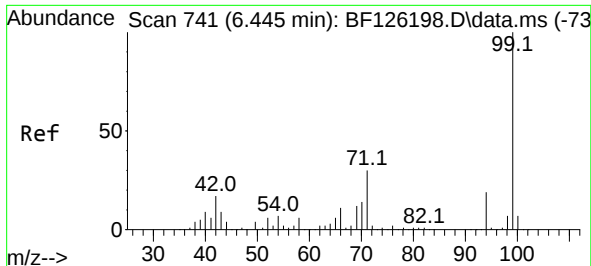


#5
 2-Fluorophenol
 Concen: 90.167 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF126332.D
 Acq: 22 Dec 2021 16:46



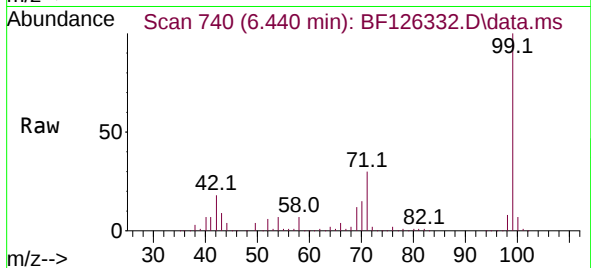
Tgt Ion:112 Resp: 856552
 Ion Ratio Lower Upper
 112 100
 64 62.9 44.2 66.2
 63 30.4 26.2 39.2



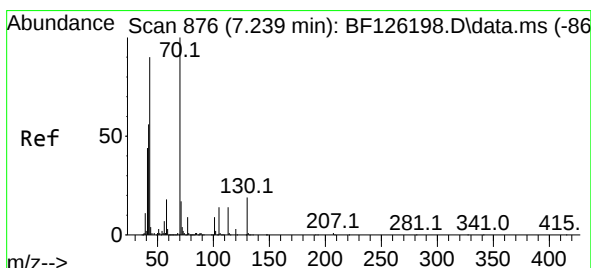
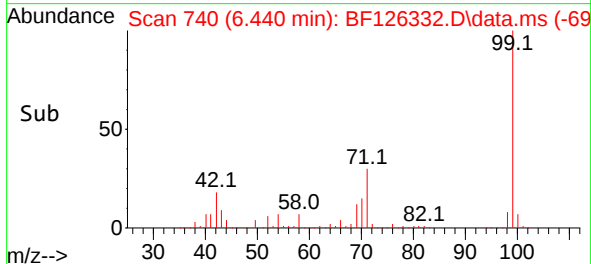
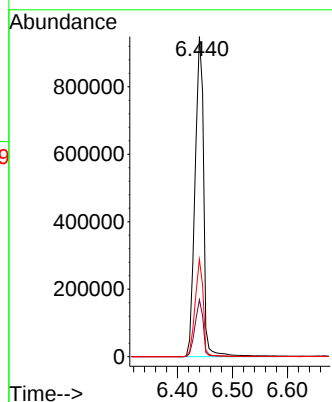


#7
Phenol-d6
Concen: 85.483 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Instrument :
BNA_F
ClientSampleId :

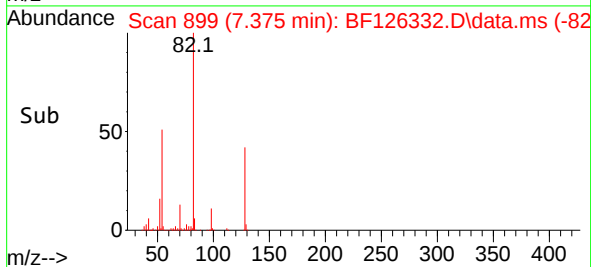
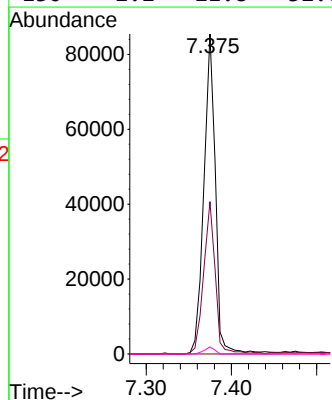
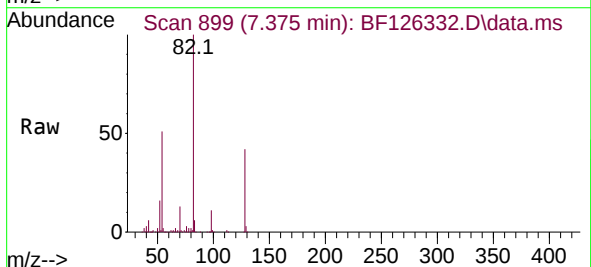


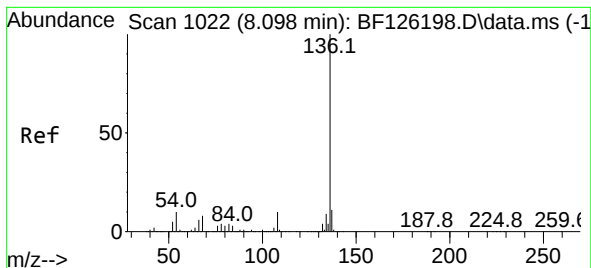
Tgt Ion: 99 Resp: 1031100
Ion Ratio Lower Upper
99 100
42 17.8 23.5 35.3#
71 30.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.886 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.141 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Tgt Ion: 70 Resp: 80613
Ion Ratio Lower Upper
70 100
42 47.6 72.2 108.2#
101 0.0 7.8 11.8#
130 2.2 21.8 32.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1

Delta R.T. -0.006 min

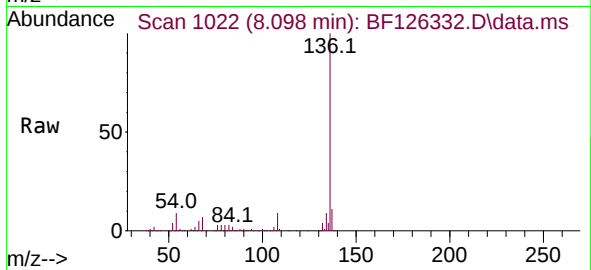
Lab File: BF126332.D

Acq: 22 Dec 2021 16:46

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 551111

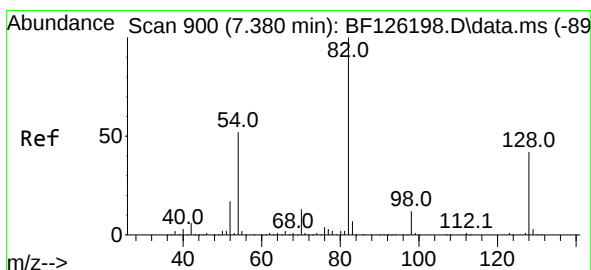
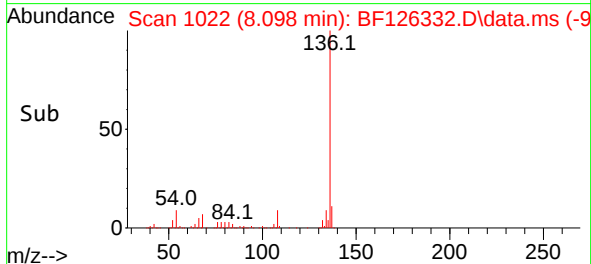
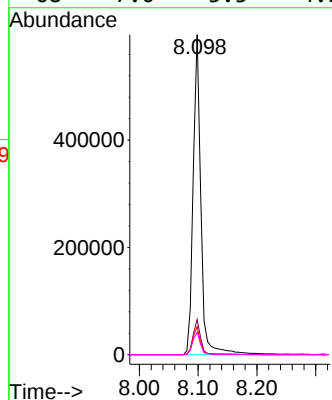
Ion Ratio Lower Upper

136 100

137 11.0 9.8 14.6

54 8.7 6.4 9.6

68 7.0 3.3 4.9#



#23

Nitrobenzene-d5

Concen: 63.527 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF126332.D

Acq: 22 Dec 2021 16:46

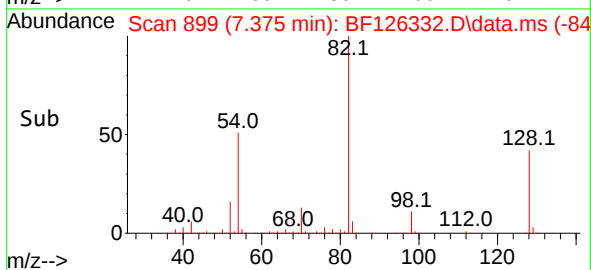
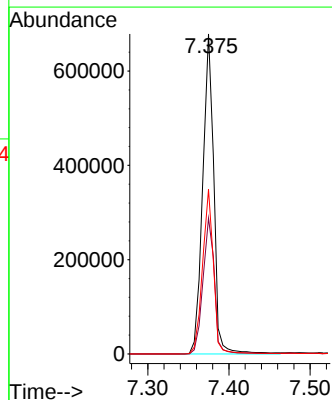
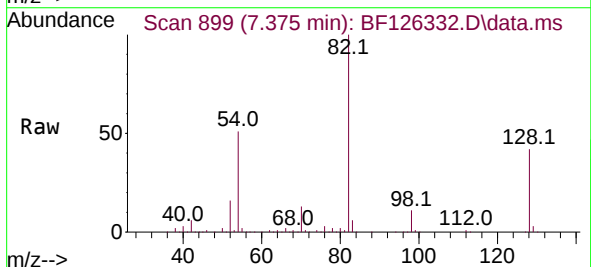
Tgt Ion: 82 Resp: 646439

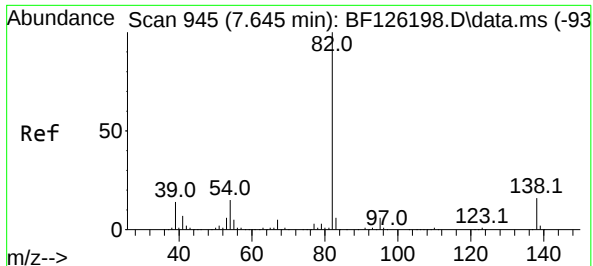
Ion Ratio Lower Upper

82 100

128 42.5 40.6 60.8

54 51.4 49.6 74.4

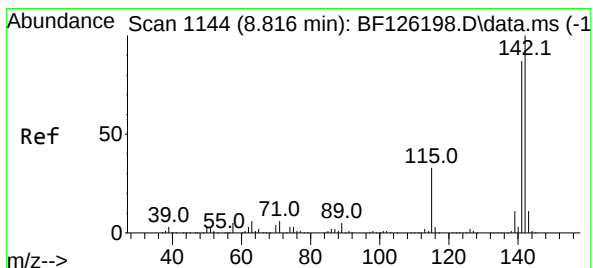
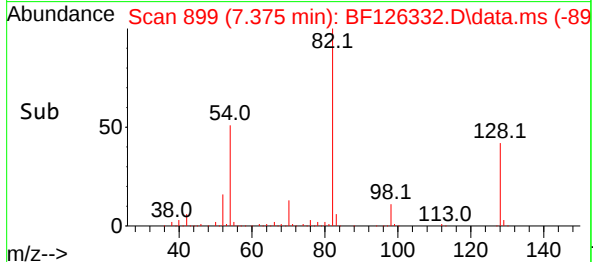
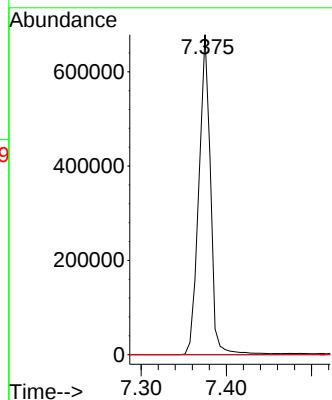
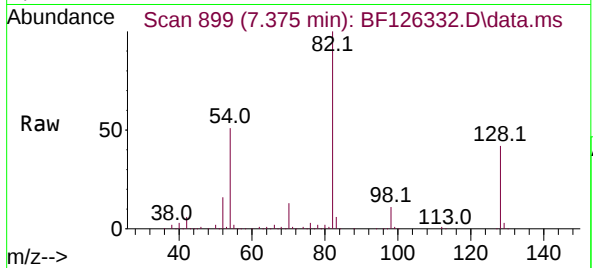




#25
Isophorone
Concen: 33.640 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

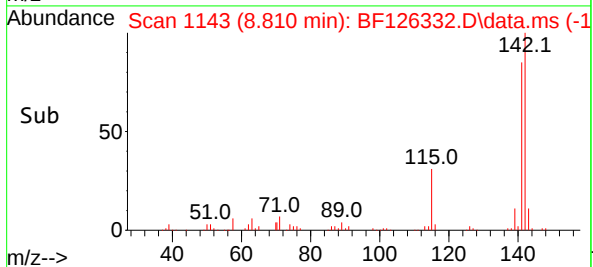
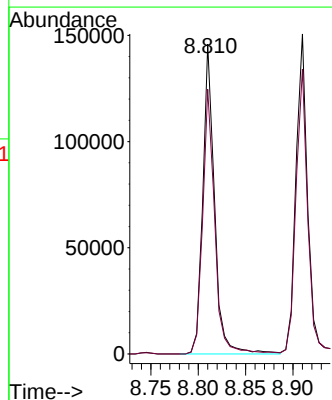
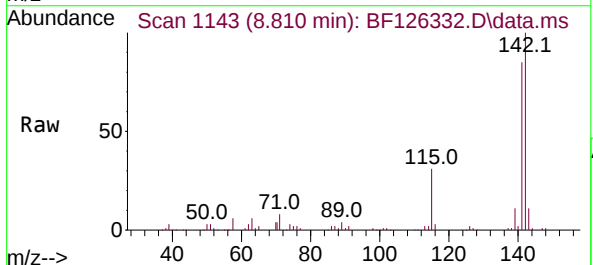
Instrument :
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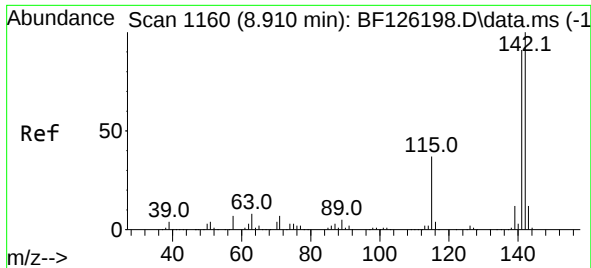
Tgt Ion: 82 Resp: 646431
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#37
2-Methylnaphthalene
Concen: 7.962 ng
RT: 8.810 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Tgt Ion: 142 Resp: 126378
Ion Ratio Lower Upper
142 100
141 85.4 71.2 106.8

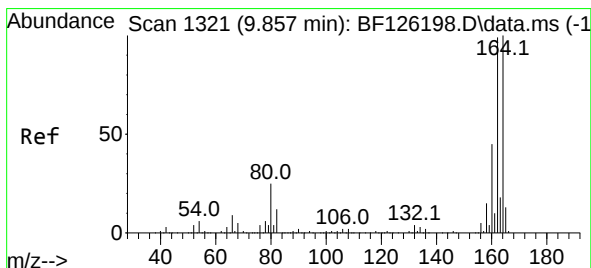
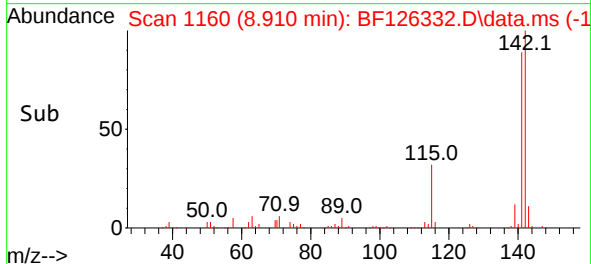
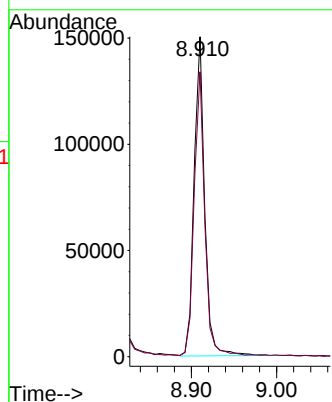
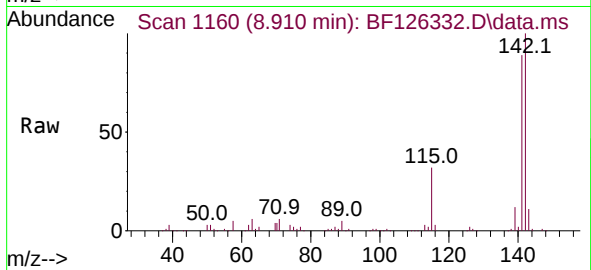




#38
1-Methylnaphthalene
Concen: 8.407 ng
RT: 8.910 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

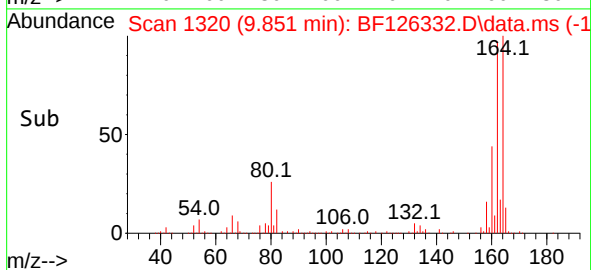
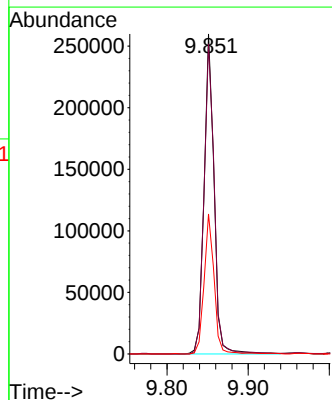
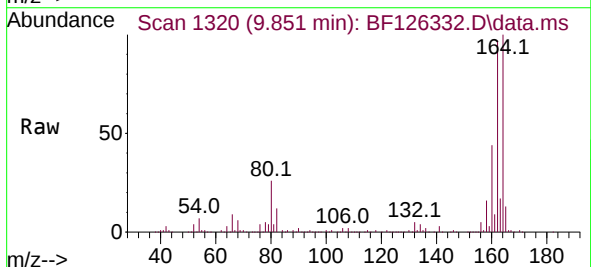
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ClientSampleId :

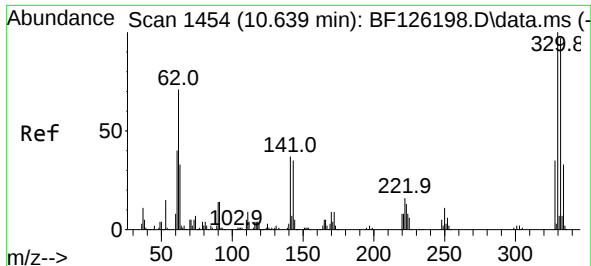
Tgt Ion:142 Resp: 129489
Ion Ratio Lower Upper
142 100
141 89.0 76.0 114.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Tgt Ion:164 Resp: 220397
Ion Ratio Lower Upper
164 100
162 96.9 81.3 121.9
160 43.7 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 80.682 ng

RT: 10.639 min Scan# 1454

Delta R.T. -0.006 min

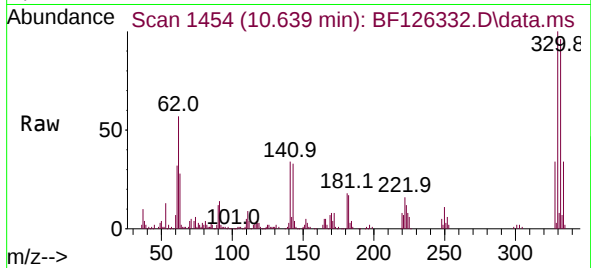
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Acq: 22 Dec 2021 16:46

Instrument :

BNA_F

ClientSampleId :



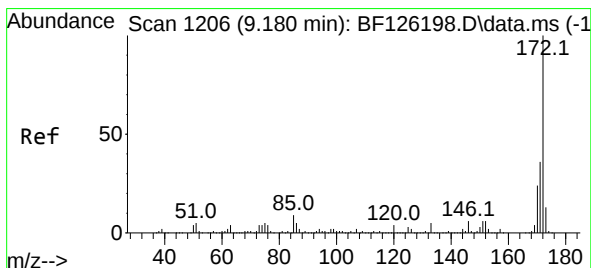
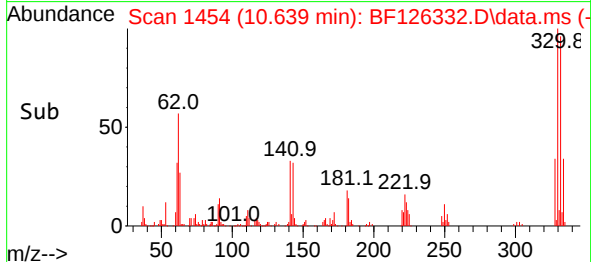
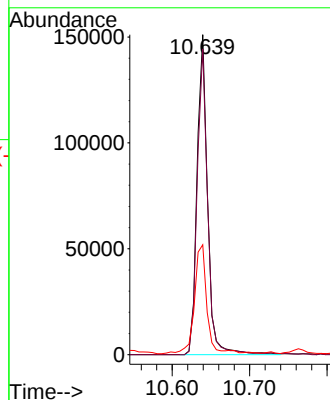
Tgt Ion:330 Resp: 142904

Ion Ratio Lower Upper

330 100

332 94.8 76.2 114.4

141 40.0 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 69.831 ng

RT: 9.175 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF126332.D

Acq: 22 Dec 2021 16:46

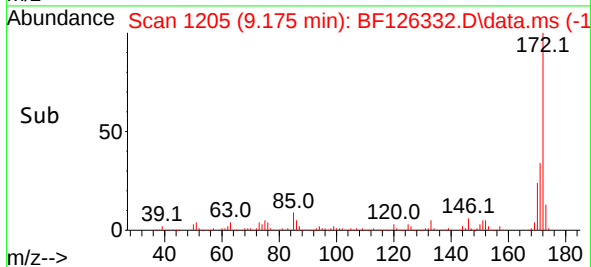
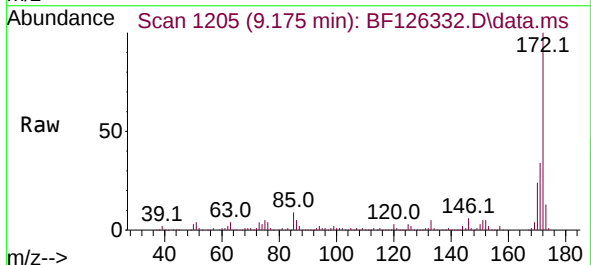
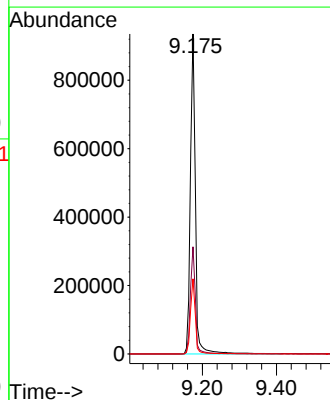
Tgt Ion:172 Resp: 877518

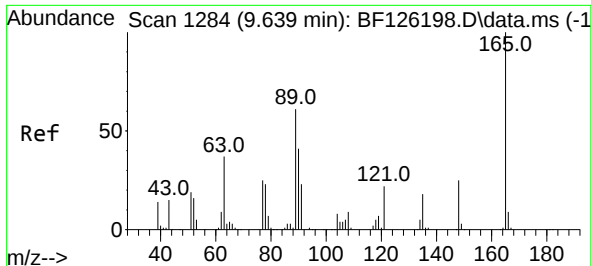
Ion Ratio Lower Upper

172 100

171 33.5 26.5 39.7

170 23.5 18.8 28.2

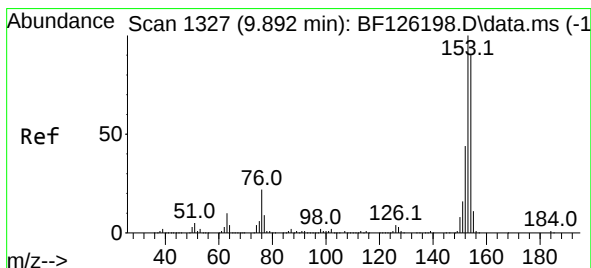
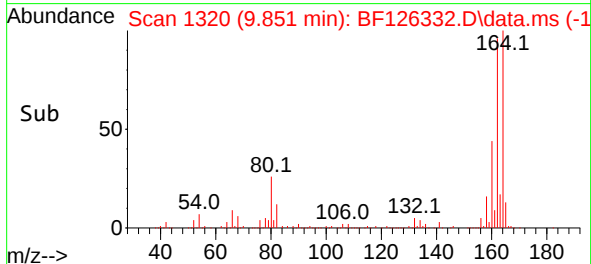
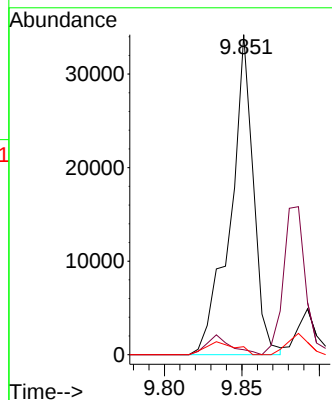
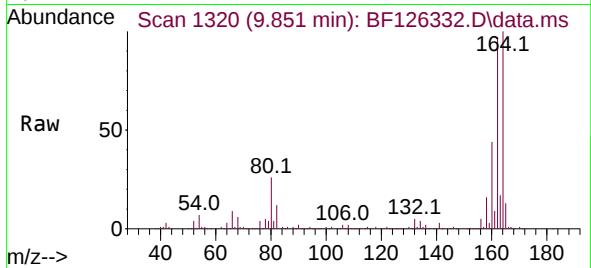




#51
2,6-Dinitrotoluene
Concen: 11.694 ng
RT: 9.851 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

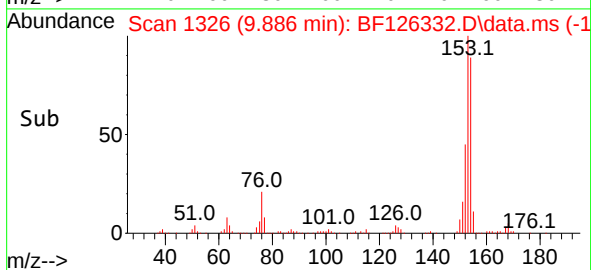
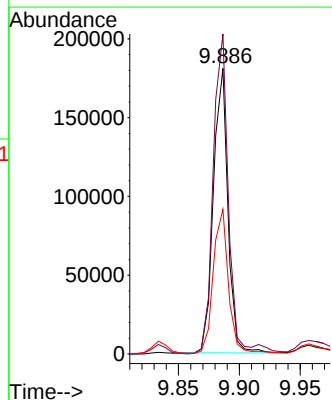
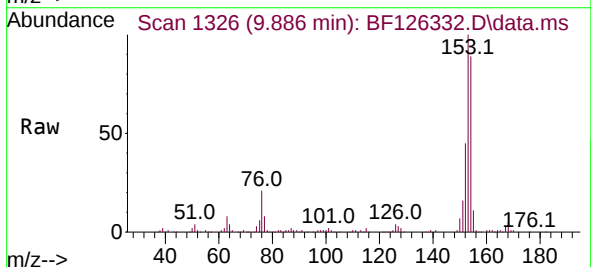
Instrument :
BNA_F
ClientSampleId :

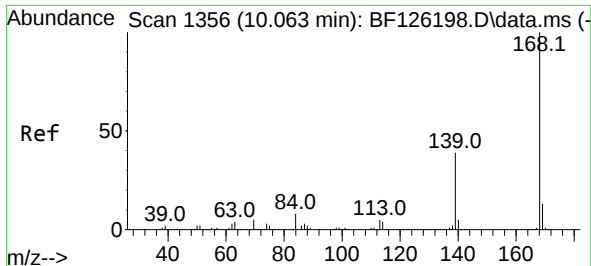
Tgt Ion:165 Resp: 35336
Ion Ratio Lower Upper
165 100
63 1.6 42.6 63.8#
89 2.5 40.6 60.8#



#52
Acenaphthene
Concen: 12.347 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Tgt Ion:154 Resp: 150017
Ion Ratio Lower Upper
154 100
153 112.0 89.4 134.2
152 50.6 40.5 60.7

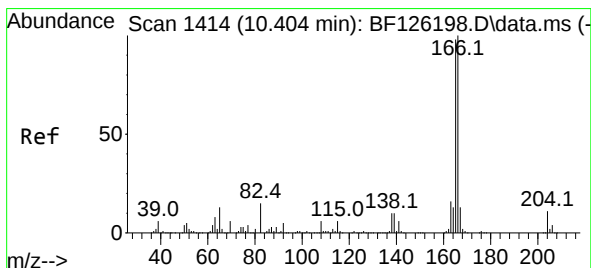
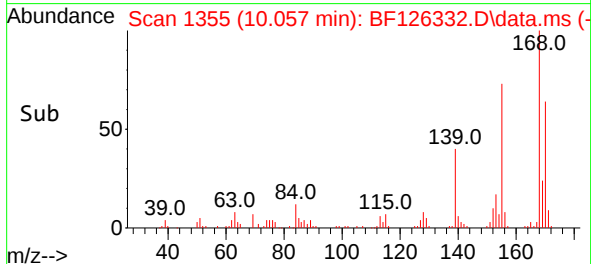
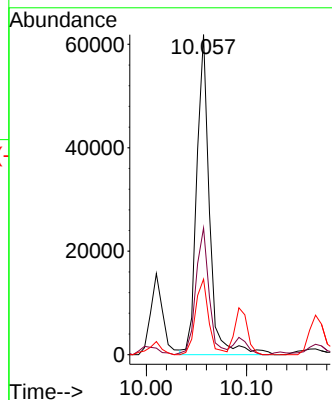
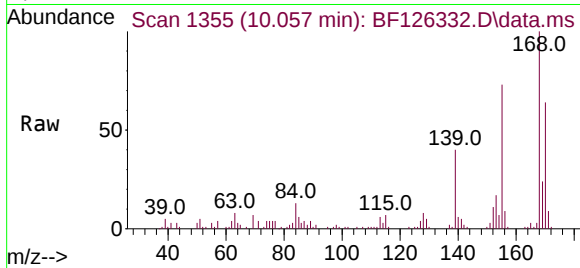




#55
Dibenzofuran
Concen: 3.297 ng
RT: 10.057 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

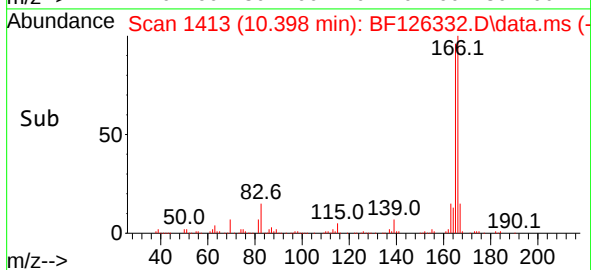
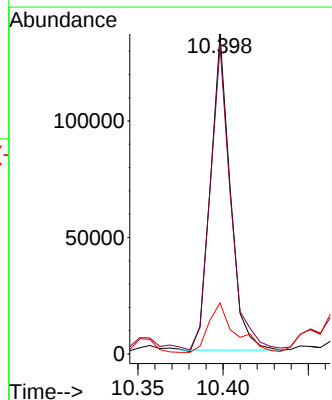
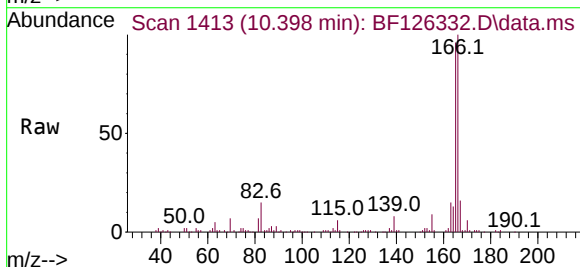
Instrument :
BNA_F
ClientSampleId :

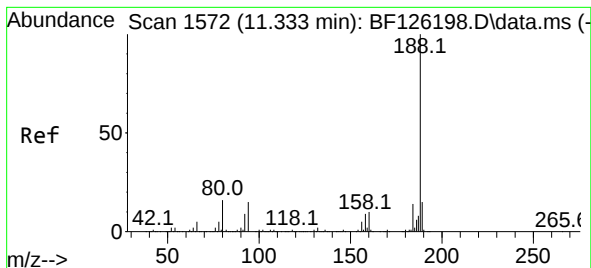
Tgt Ion:168 Resp: 54544
Ion Ratio Lower Upper
168 100
139 39.6 32.7 49.1
169 23.6 11.2 16.8#



#58
Fluorene
Concen: 9.111 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Tgt Ion:166 Resp: 109106
Ion Ratio Lower Upper
166 100
165 96.3 78.1 117.1
167 15.9 11.1 16.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.339 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF126332.D

Acq: 22 Dec 2021 16:46

Instrument :

BNA_F

ClientSampleId :

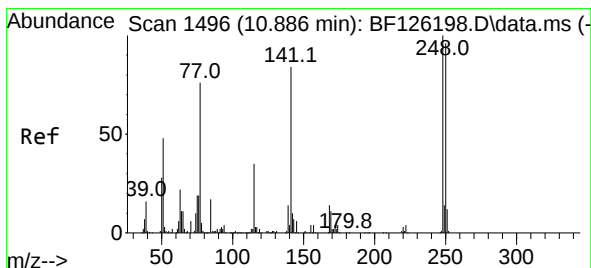
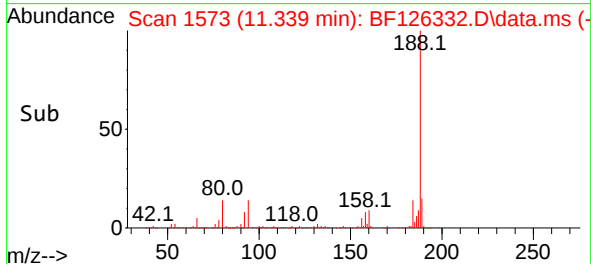
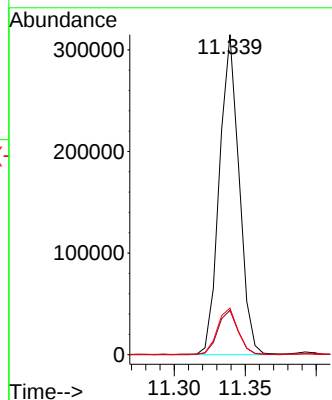
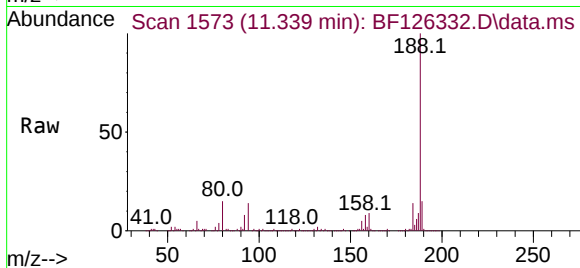
Tgt Ion:188 Resp: 303734

Ion Ratio Lower Upper

188 100

94 13.9 6.7 10.1#

80 14.5 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 2.628 ng

RT: 10.639 min Scan# 1454

Delta R.T. -0.247 min

Lab File: BF126332.D

Acq: 22 Dec 2021 16:46

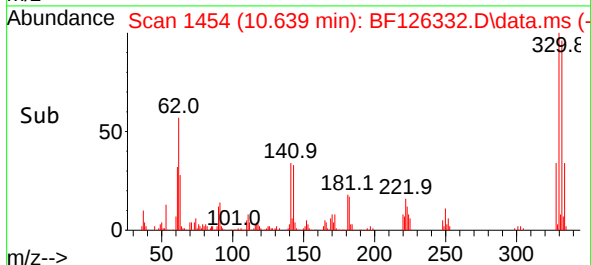
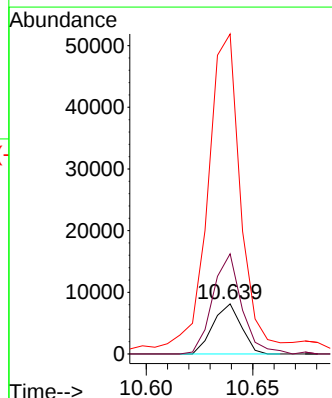
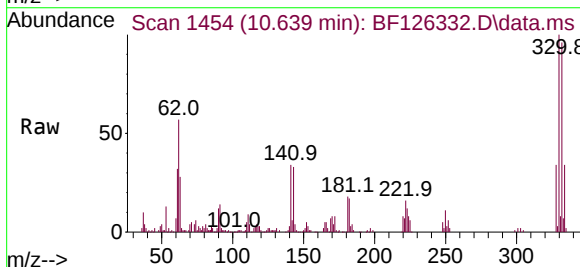
Tgt Ion:248 Resp: 7490

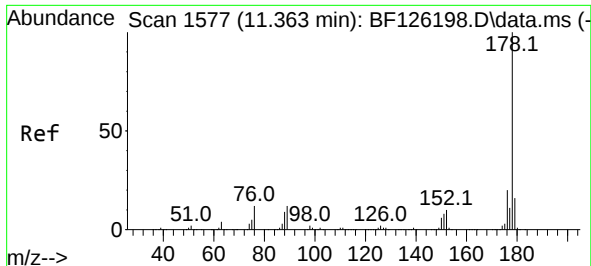
Ion Ratio Lower Upper

248 100

250 200.2 74.2 111.4#

141 639.5 60.4 90.6#

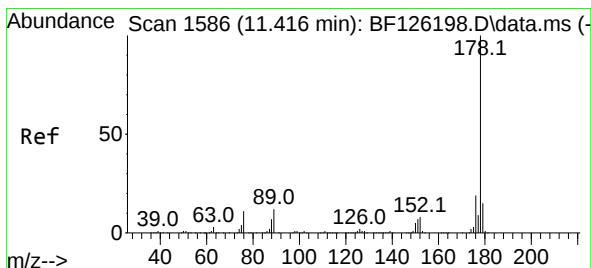
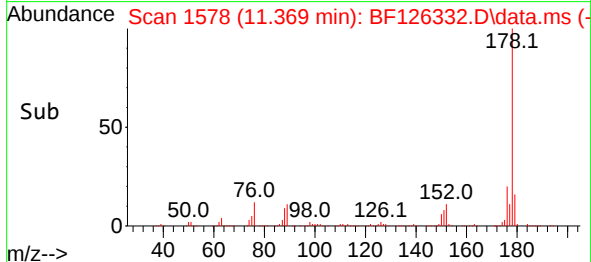
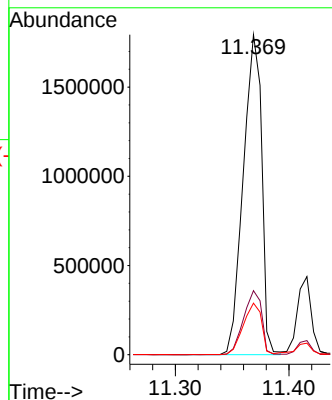
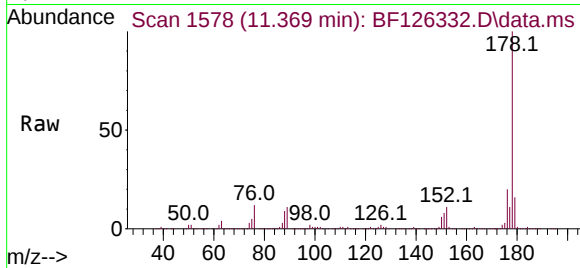




#71
Phenanthrene
Concen: 128.998 ng
RT: 11.369 min Scan# 1577
Delta R.T. 0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

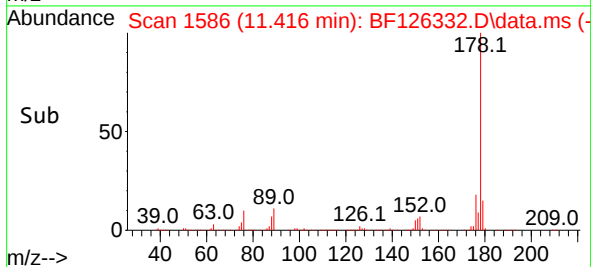
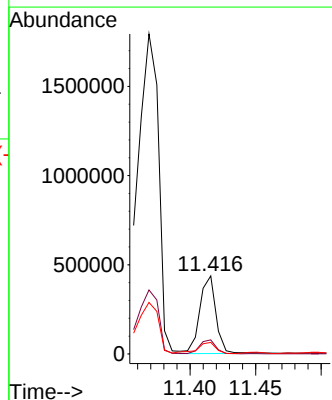
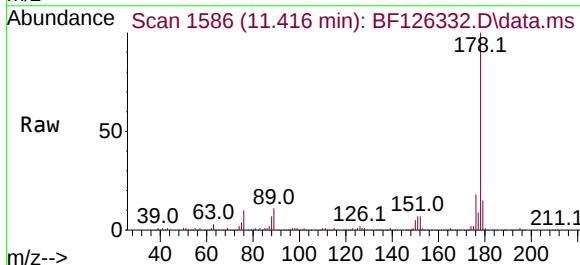
Instrument :
BNA_F
ClientSampleId :

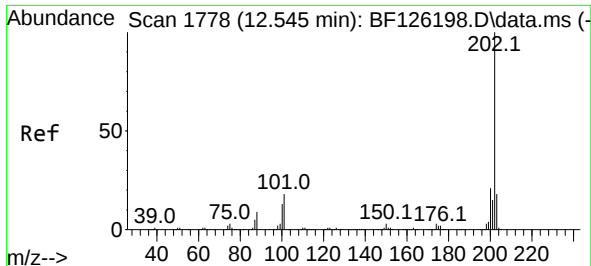
Tgt Ion:178 Resp: 2022263
Ion Ratio Lower Upper
178 100
176 20.0 14.7 22.1
179 16.1 11.5 17.3



#72
Anthracene
Concen: 23.983 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Tgt Ion:178 Resp: 377367
Ion Ratio Lower Upper
178 100
176 18.0 14.3 21.5
179 14.8 12.2 18.4

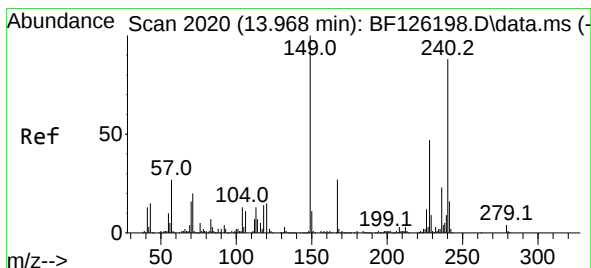
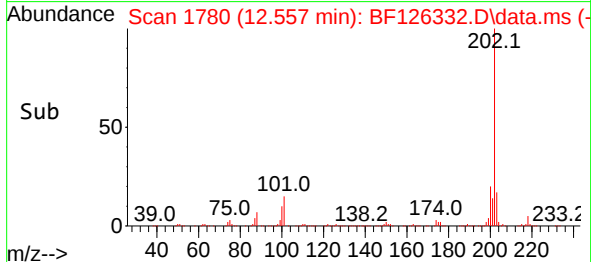
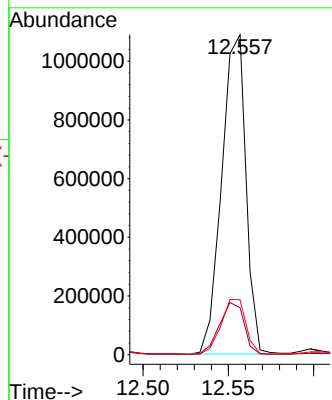
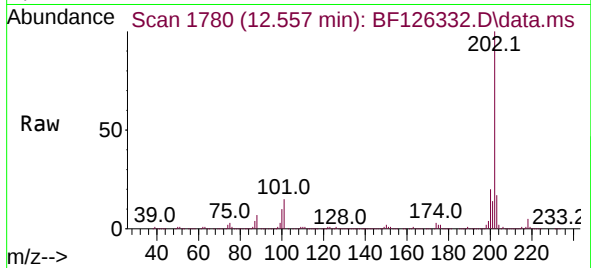




#75
Fluoranthene
Concen: 76.112 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

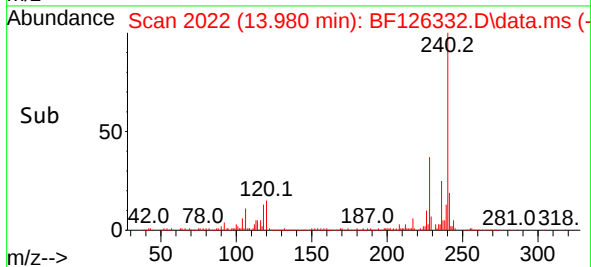
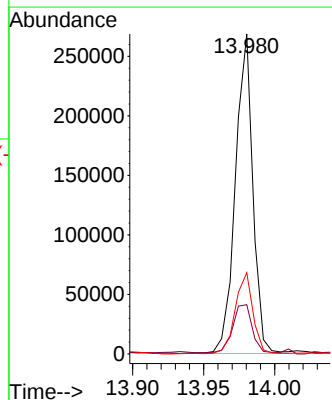
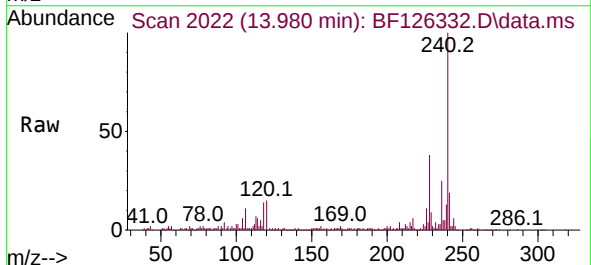
Instrument :
BNA_F
ClientSampleId :

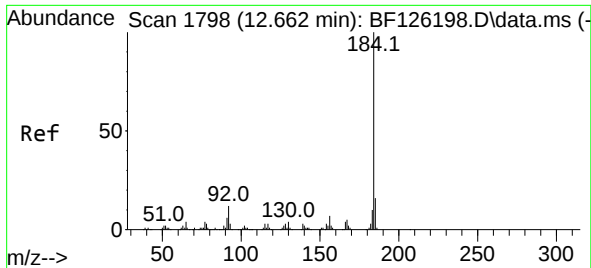
Tgt Ion:202 Resp: 1075035
Ion Ratio Lower Upper
202 100
101 14.7 0.0 30.7
203 17.1 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Tgt Ion:240 Resp: 230066
Ion Ratio Lower Upper
240 100
120 15.4 10.8 16.2
236 25.4 21.6 32.4

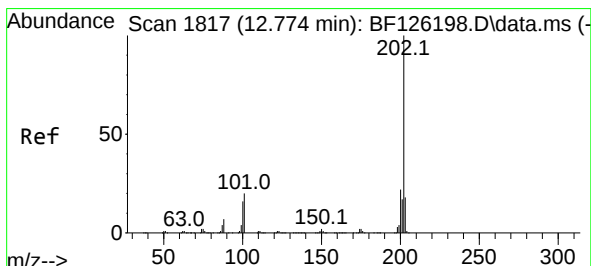
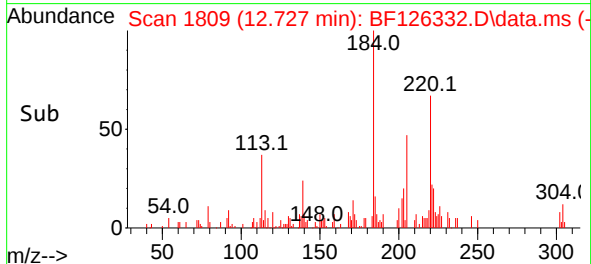
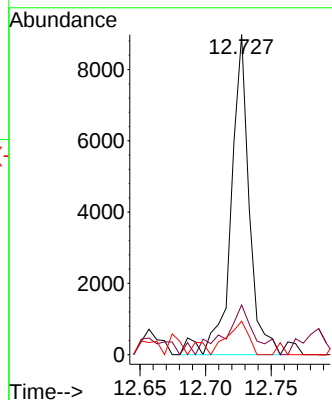
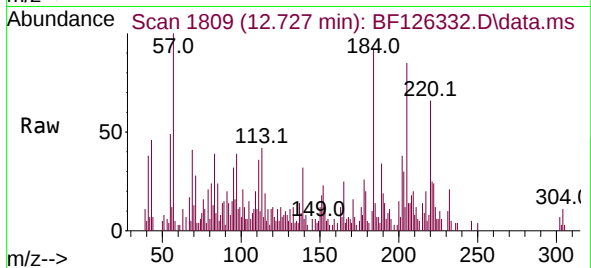




#77
Benzidine
Concen: 2.391 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.053 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

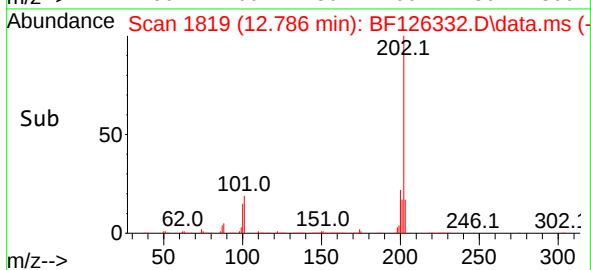
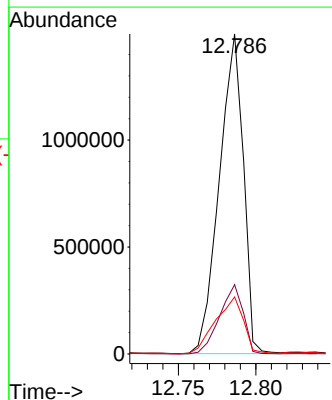
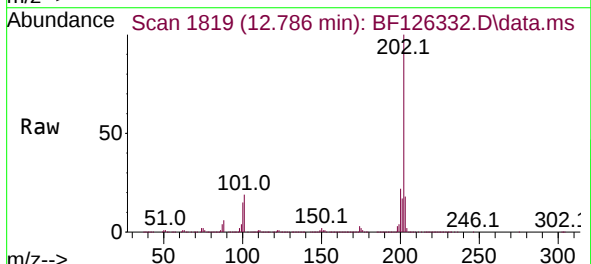
Instrument :
BNA_F
ClientSampleId :

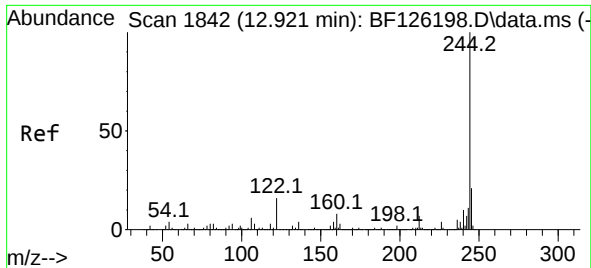
Tgt Ion:184 Resp: 8674
Ion Ratio Lower Upper
184 100
185 15.5 10.8 16.2
183 10.5 8.1 12.1



#78
Pyrene
Concen: 76.127 ng
RT: 12.786 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

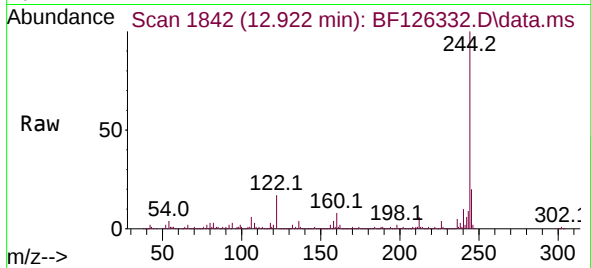
Tgt Ion:202 Resp: 1609065
Ion Ratio Lower Upper
202 100
200 21.6 15.3 22.9
203 17.8 13.4 20.0



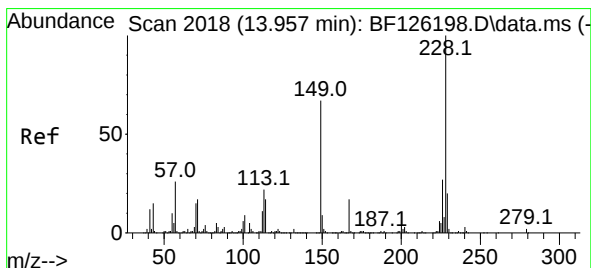
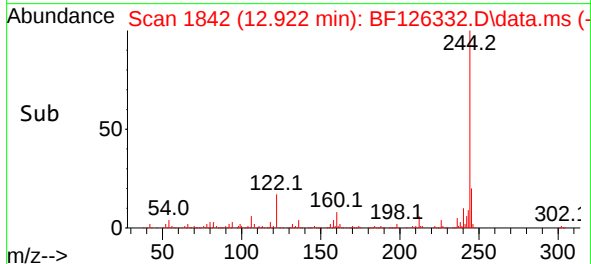
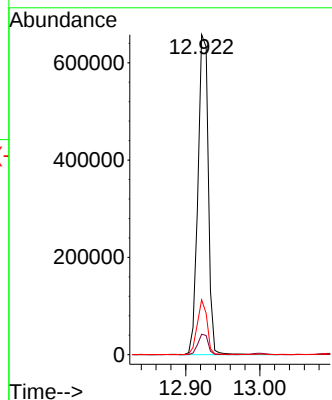


#79
 Terphenyl-d14
 Concen: 48.114 ng
 RT: 12.922 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126332.D
 Acq: 22 Dec 2021 16:46

Instrument :
 BNA_F
 ClientSampleId :

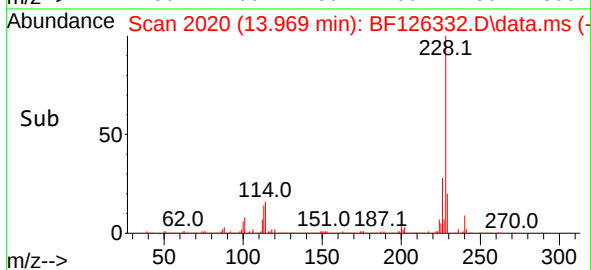
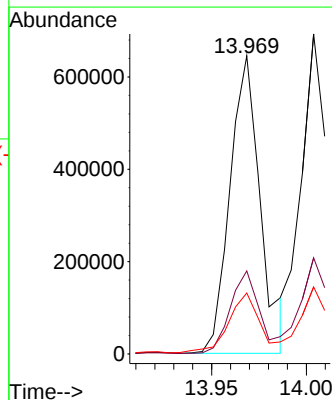
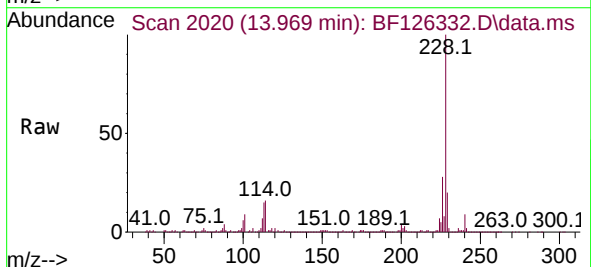


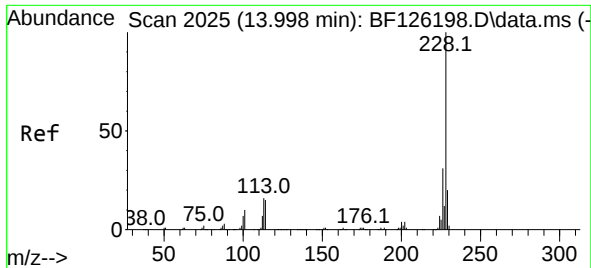
Tgt Ion:244 Resp: 636859
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.9 8.9
 122 17.1 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 52.542 ng
 RT: 13.969 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: BF126332.D
 Acq: 22 Dec 2021 16:46

Tgt Ion:228 Resp: 716037
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 20.4 15.6 23.4

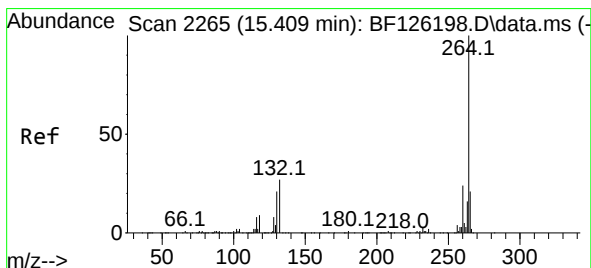
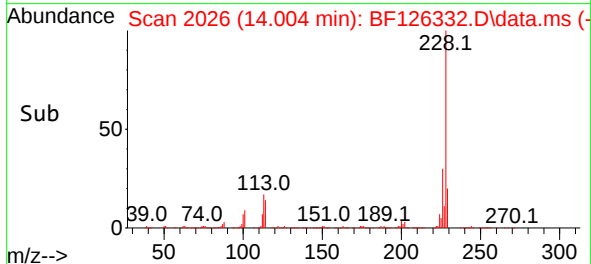
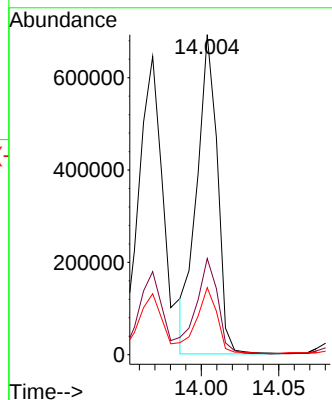
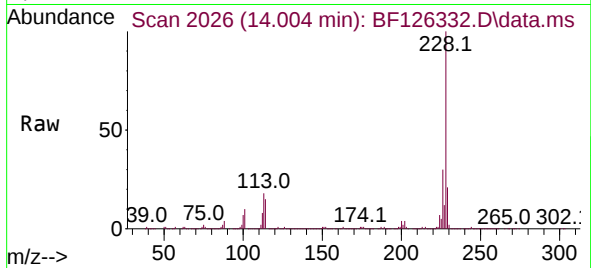




#83
Chrysene
Concen: 45.070 ng
RT: 14.004 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

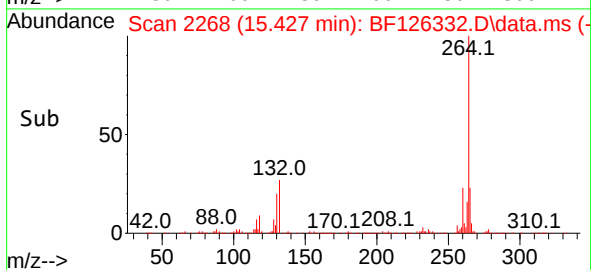
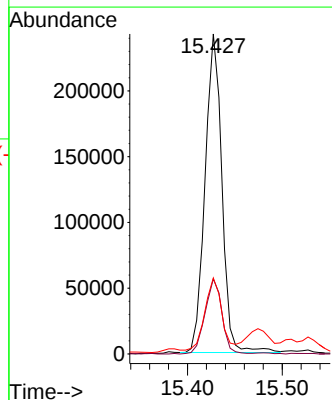
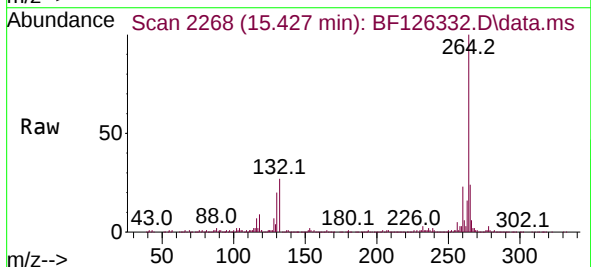
Instrument :
BNA_F
ClientSampleId :

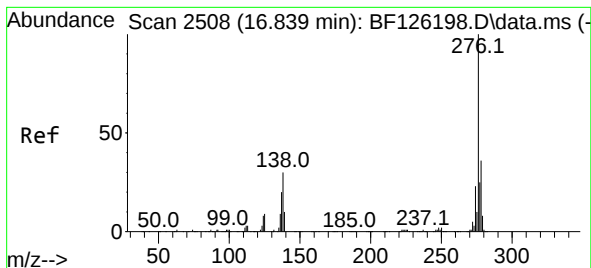
Tgt Ion:228 Resp: 638165
Ion Ratio Lower Upper
228 100
226 30.0 22.6 34.0
229 21.0 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

Tgt Ion:264 Resp: 299127
Ion Ratio Lower Upper
264 100
260 23.5 19.6 29.4
265 23.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.062 ng

RT: 16.857 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126332.D

Acq: 22 Dec 2021 16:46

Instrument :

BNA_F

ClientSampleId :

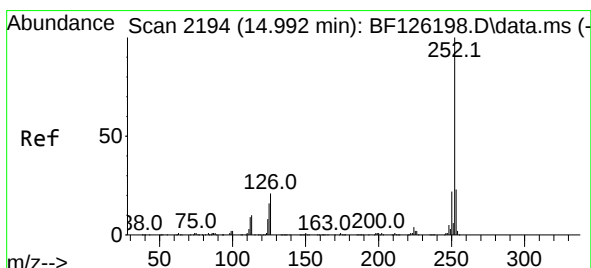
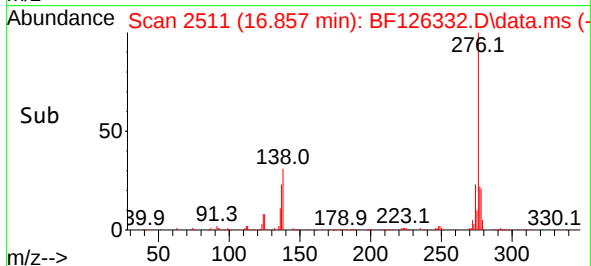
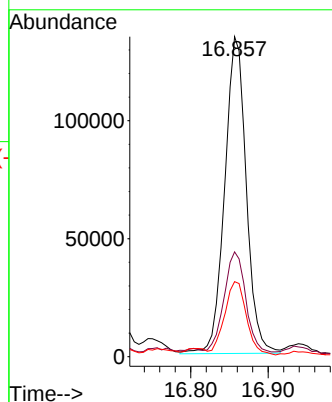
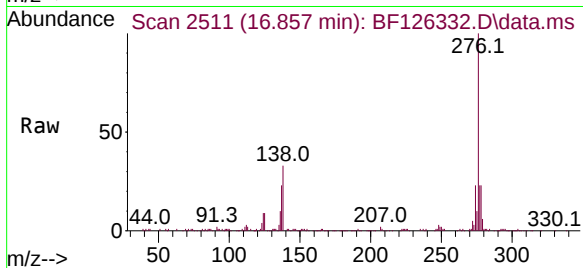
Tgt Ion:276 Resp: 260611

Ion Ratio Lower Upper

276 100

138 31.4 24.1 36.1

277 23.4 18.8 28.2



#88

Benzo(b)fluoranthene

Concen: 43.064 ng

RT: 15.010 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF126332.D

Acq: 22 Dec 2021 16:46

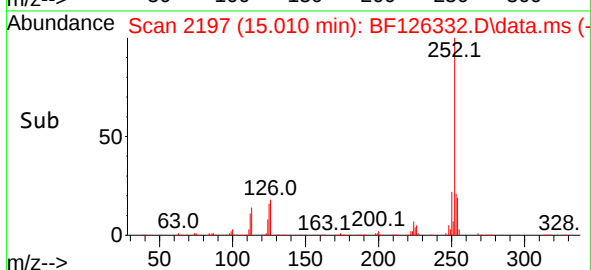
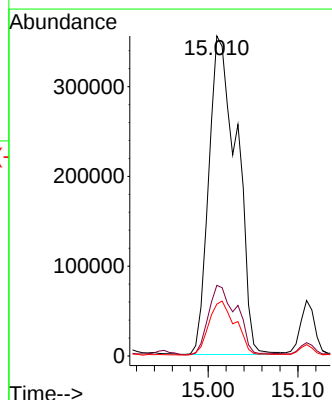
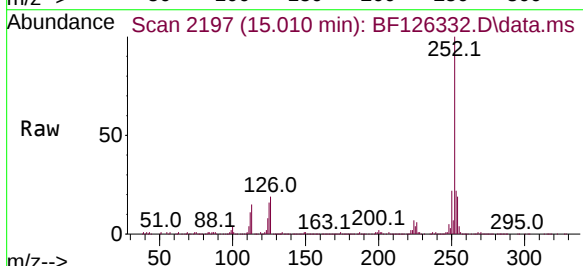
Tgt Ion:252 Resp: 774000

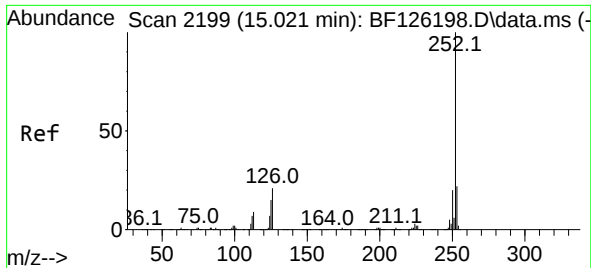
Ion Ratio Lower Upper

252 100

253 22.0 16.8 25.2

125 16.2 9.8 14.8#

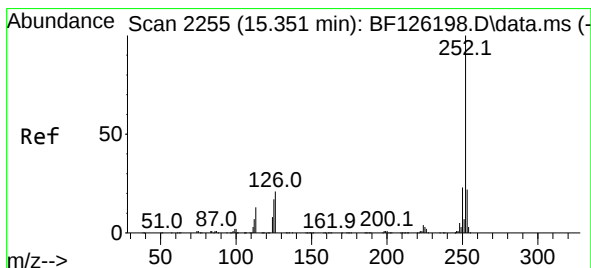
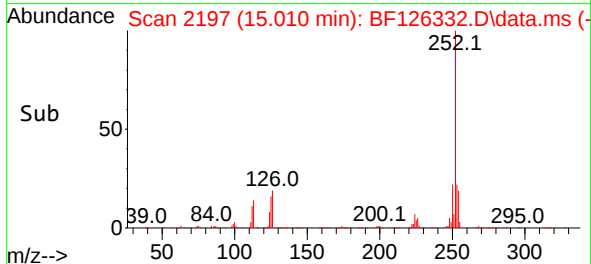
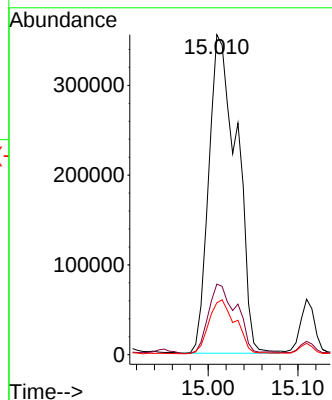
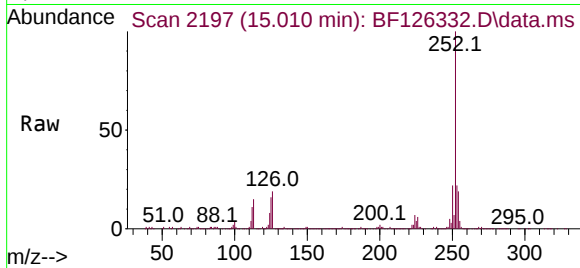




#89
Benzo(k)fluoranthene
Concen: 45.017 ng
RT: 15.010 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

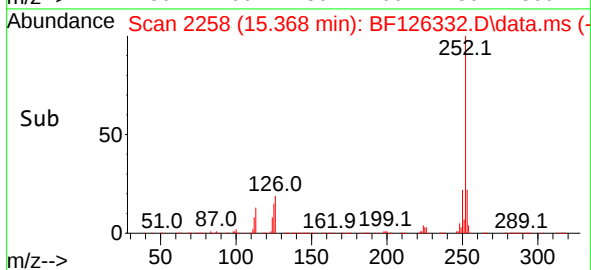
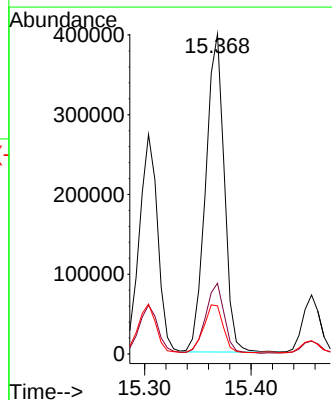
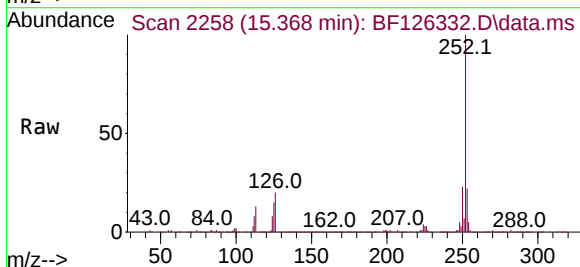
Instrument :
BNA_F
ClientSampleId :

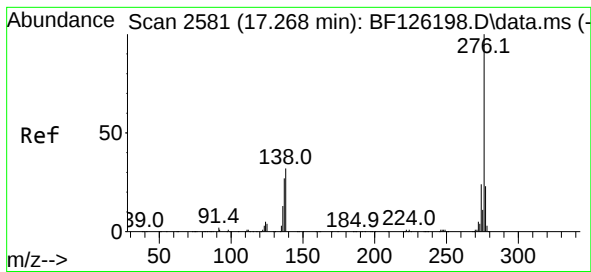
Tgt Ion:252 Resp: 774000
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 16.2 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 32.330 ng
RT: 15.368 min Scan# 2258
Delta R.T. 0.006 min
Lab File: BF126332.D
Acq: 22 Dec 2021 16:46

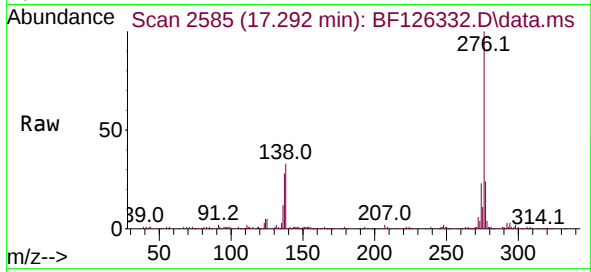
Tgt Ion:252 Resp: 482945
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 15.1 9.9 14.9#





#92
 Benzo(g,h,i)perylene
 Concen: 14.850 ng
 RT: 17.292 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF126332.D
 Acq: 22 Dec 2021 16:46

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion: 276 Resp: 249200
 Ion Ratio Lower Upper
 276 100
 277 23.9 22.0 33.0
 138 32.8 22.2 33.4

