

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
 Data File : BF126261.D
 Acq On : 18 Dec 2021 18:48
 Operator : JU/CG
 Sample : M5079-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 20 08:03:47 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)

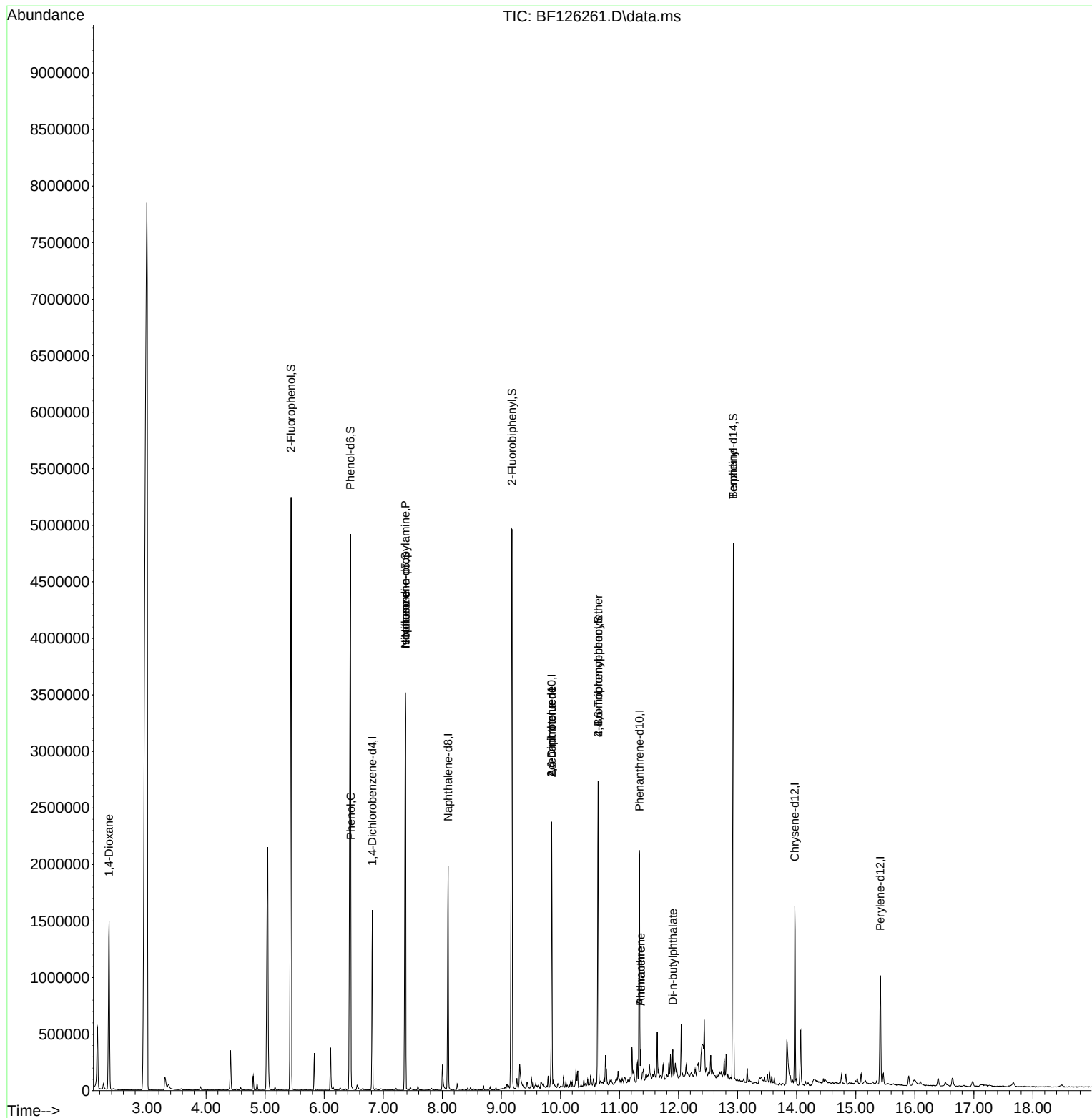
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	212980	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	933782	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	457318	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	766601	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	497261	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	385547	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	1752741	121.193	ng	0.02
7) Phenol-d6	6.445	99	2254724	122.783	ng	0.00
23) Nitrobenzene-d5	7.375	82	1496547	86.799	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	306243	83.327	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1932067	74.098	ng	0.00
79) Terphenyl-d14	12.927	244	1822815	63.714	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.357	88	25115	3.558	ng	# 100
10) Phenol	6.451	94	49875	2.420	ng	# 73
19) n-Nitroso-di-n-propyla...	7.375	70	190871	16.931	ng	# 55
25) Isophorone	7.375	82	1405139	43.157	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	60461	9.643	ng	# 29
57) 2,4-Dinitrotoluene	9.851	165	60461	7.559	ng	# 21
67) 4-Bromophenyl-phenylether	10.639	248	16726	2.325	ng	# 1
71) Phenanthrene	11.357	178	87666	2.216	ng	98
72) Anthracene	11.357	178	87666	2.207	ng	97
74) Di-n-butylphthalate	11.904	149	102785	2.168	ng	98
77) Benzidine	12.927	184	23427	2.988	ng	98

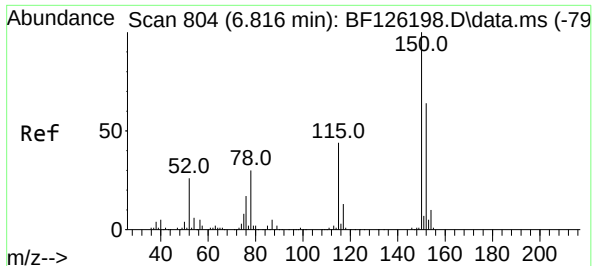
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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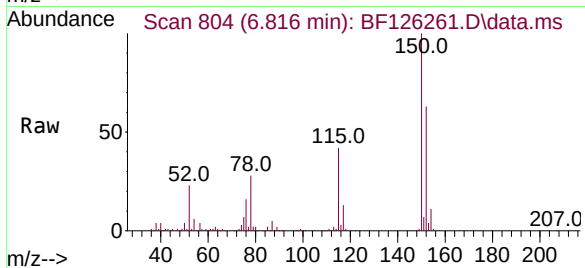
Quant Time: Dec 20 08:03:47 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
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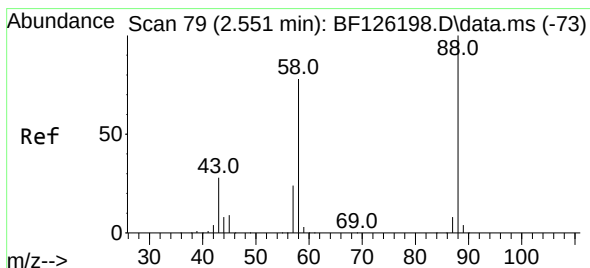
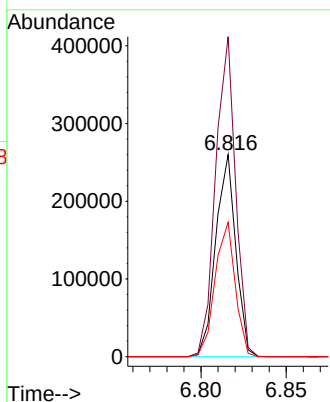
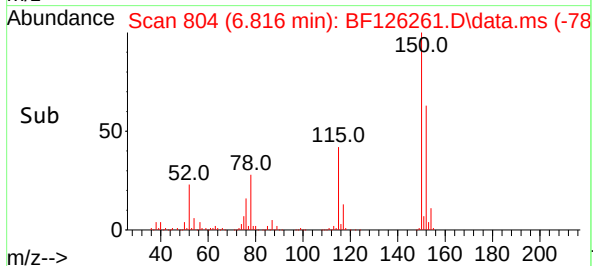


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BF126261.D
 Acq: 18 Dec 2021 18:48

Instrument :
 BNA_F
 ClientSampleId :

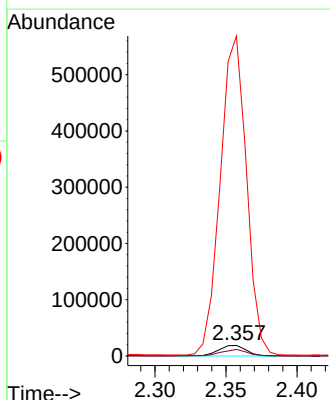
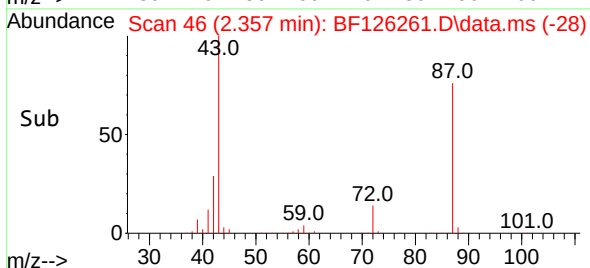
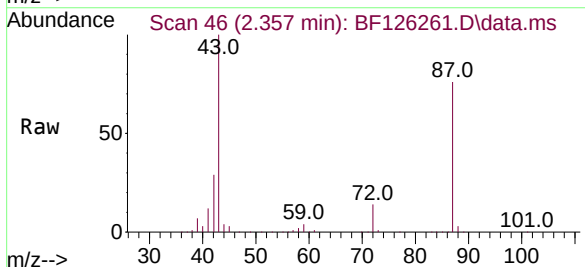


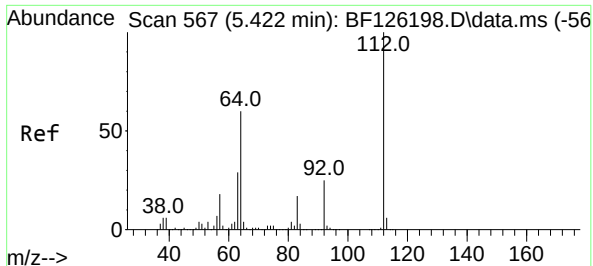
Tgt Ion:152 Resp: 212980
 Ion Ratio Lower Upper
 152 100
 150 158.4 117.6 176.4
 115 66.5 47.1 70.7



#2
 1,4-Dioxane
 Concen: 3.558 ng
 RT: 2.357 min Scan# 46
 Delta R.T. -0.194 min
 Lab File: BF126261.D
 Acq: 18 Dec 2021 18:48

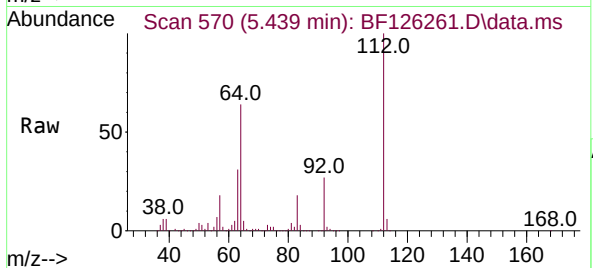
Tgt Ion: 88 Resp: 25115
 Ion Ratio Lower Upper
 88 100
 58 62.8 0.0 0.0#
 43 2897.6 0.0 0.0#



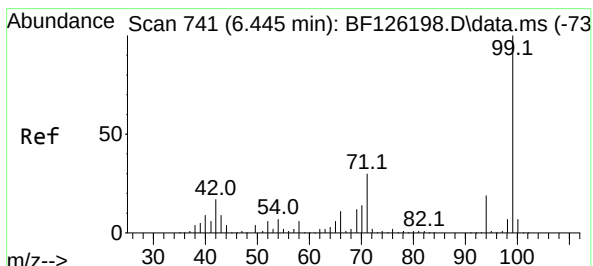
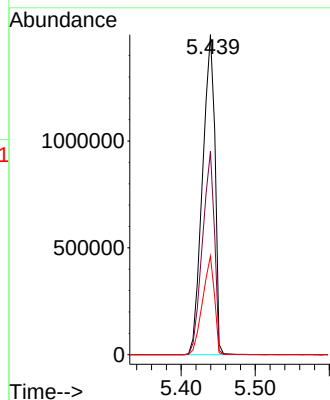
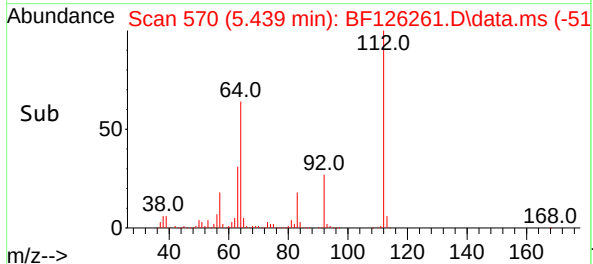


#5
2-Fluorophenol
Concen: 121.193 ng
RT: 5.439 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

Instrument :
BNA_F
ClientSampleId :

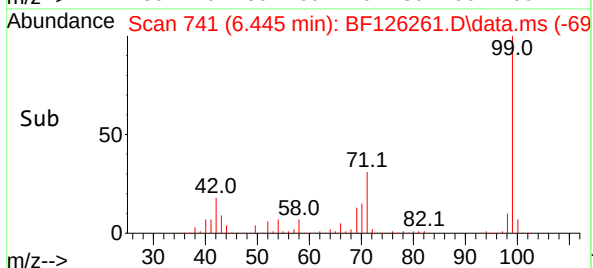
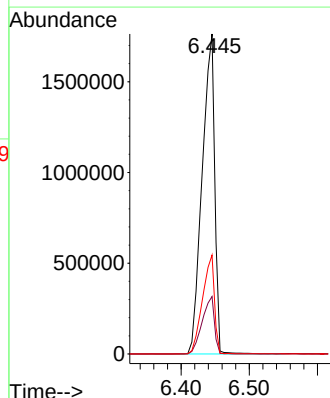
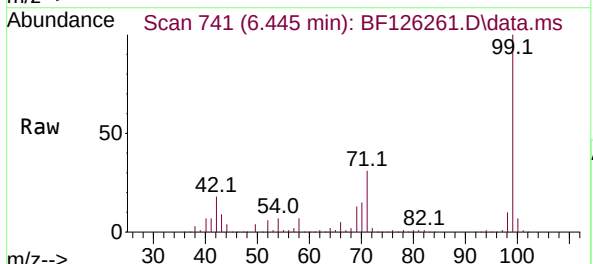


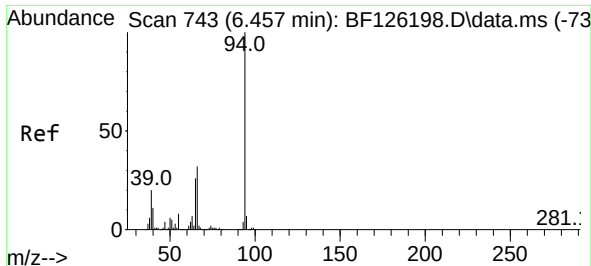
Tgt Ion:112 Resp: 1752741
Ion Ratio Lower Upper
112 100
64 63.5 44.2 66.2
63 30.8 26.2 39.2



#7
Phenol-d6
Concen: 122.783 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

Tgt Ion: 99 Resp: 2254724
Ion Ratio Lower Upper
99 100
42 17.9 23.5 35.3#
71 30.9 25.6 38.4

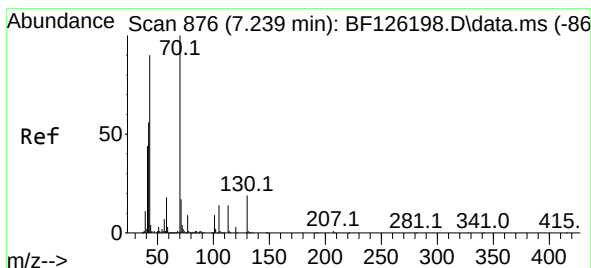
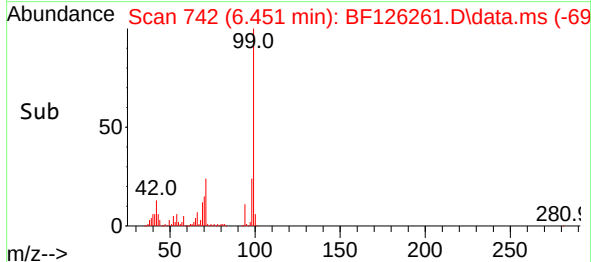
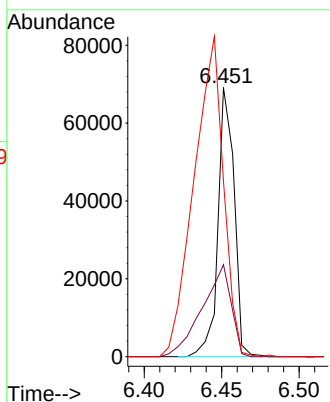
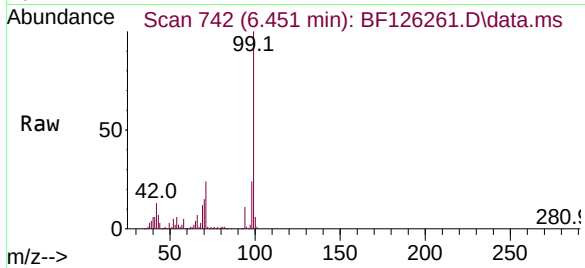




#10
Phenol
Concen: 2.420 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

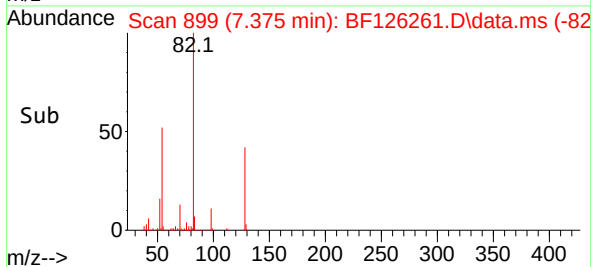
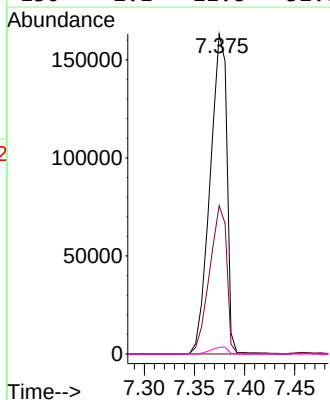
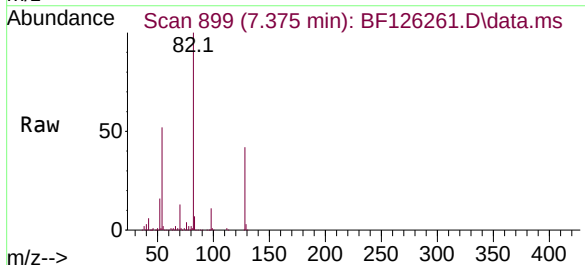
Instrument :
BNA_F
ClientSampleId :

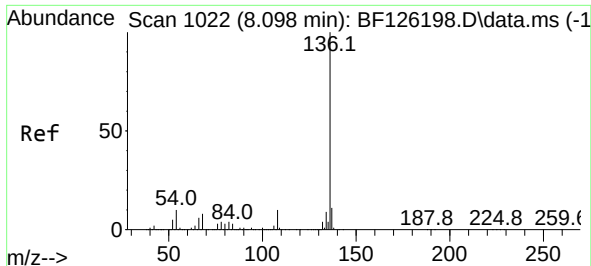
Tgt Ion: 94 Resp: 49875
Ion Ratio Lower Upper
94 100
65 34.2 9.3 49.3
66 65.2 20.3 60.3#



#19
n-Nitroso-di-n-propylamine
Concen: 16.931 ng
RT: 7.375 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

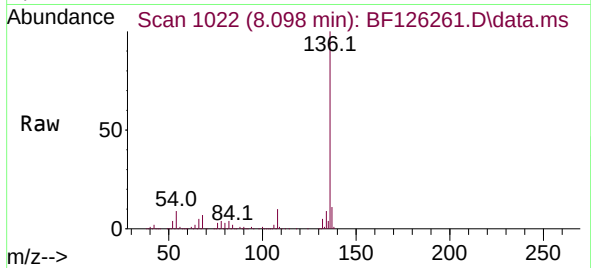
Tgt Ion: 70 Resp: 190871
Ion Ratio Lower Upper
70 100
42 46.3 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#



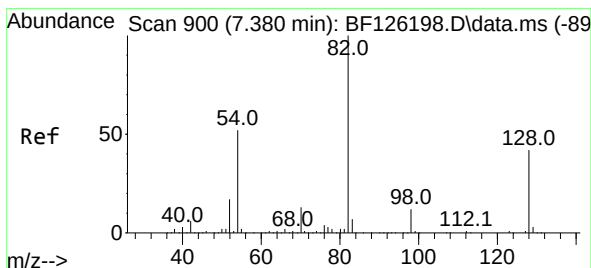
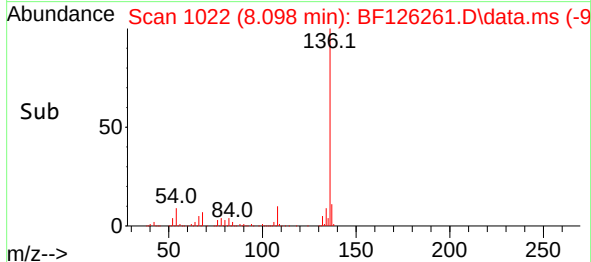
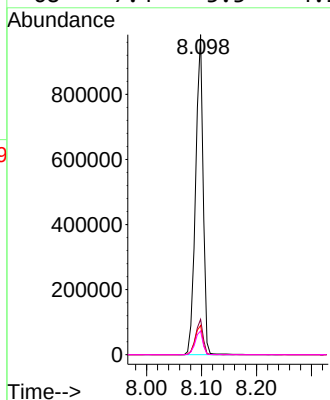


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

Instrument :
BNA_F
ClientSampleId :

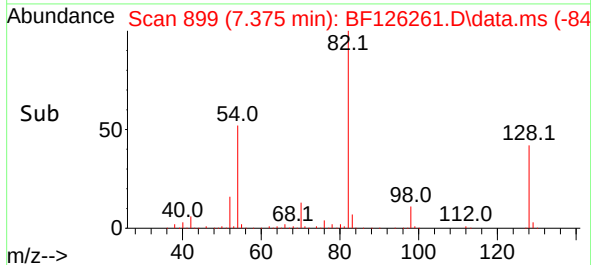
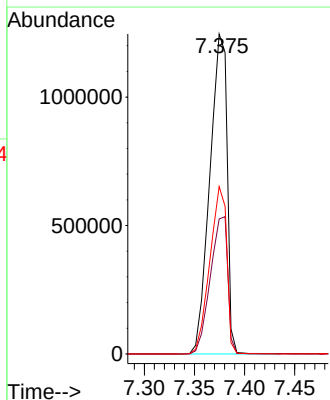
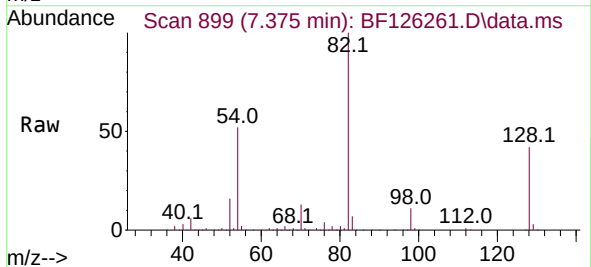


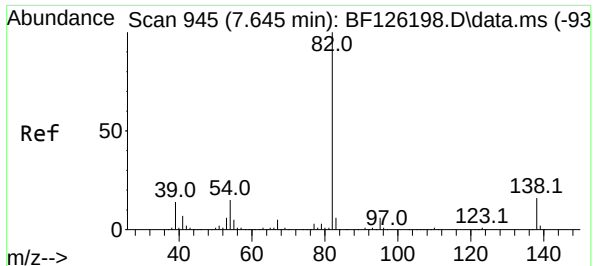
Tgt Ion:	136	Resp:	933782
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	9.1	6.4	9.6
68	7.4	3.3	4.9



#23
Nitrobenzene-d5
Concen: 86.799 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

Tgt Ion:	82	Resp:	1496547
Ion	Ratio	Lower	Upper
82	100		
128	42.2	40.6	60.8
54	52.3	49.6	74.4

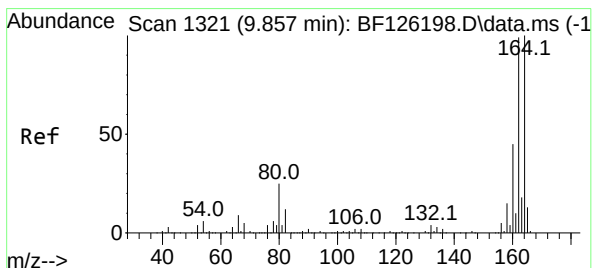
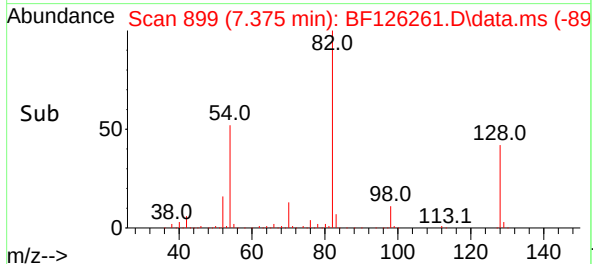
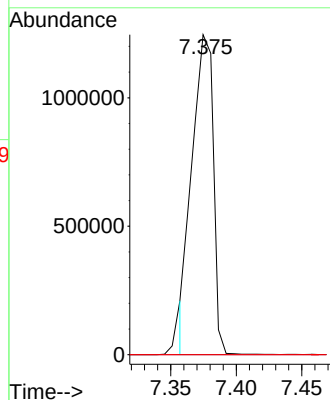
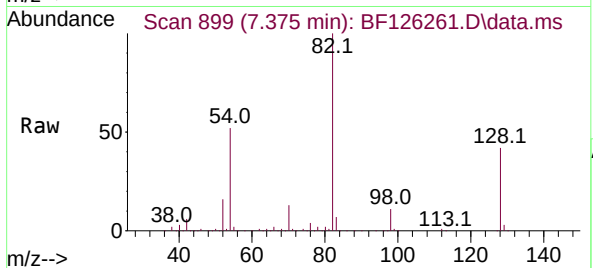




#25
Isophorone
Concen: 43.157 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

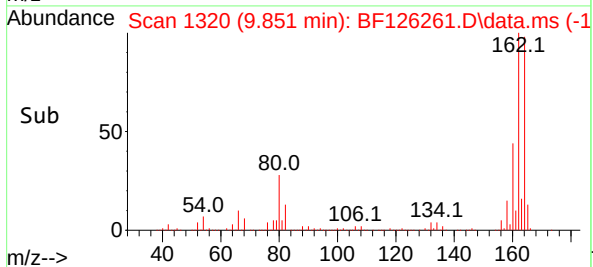
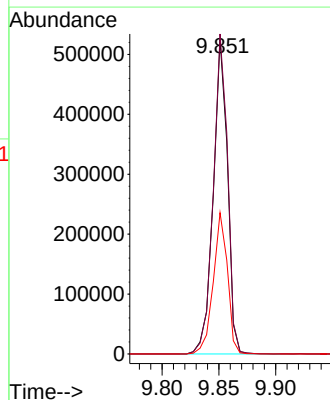
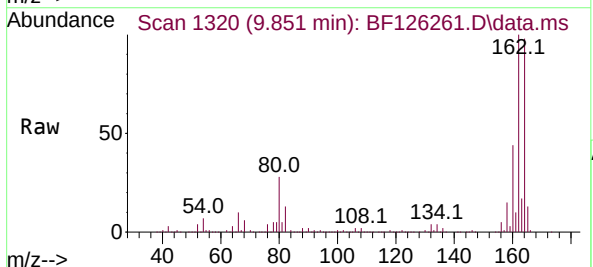
Instrument :
BNA_F
ClientSampleId :

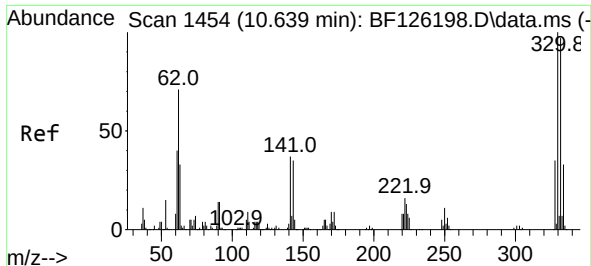
Tgt Ion: 82 Resp: 1405139
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

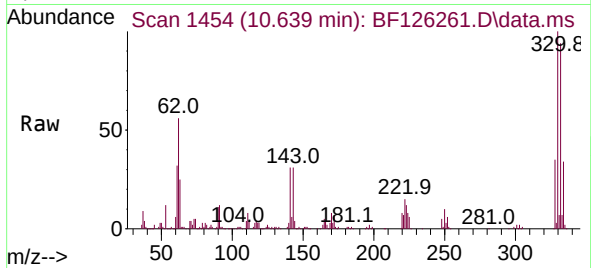
Tgt Ion:164 Resp: 457318
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 44.9 38.0 57.0



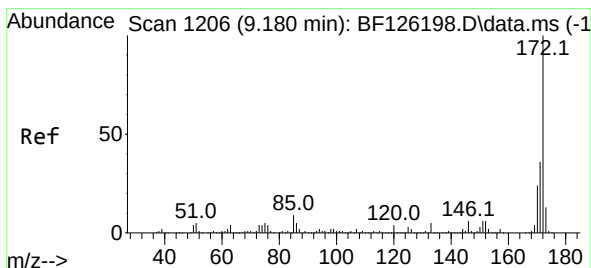
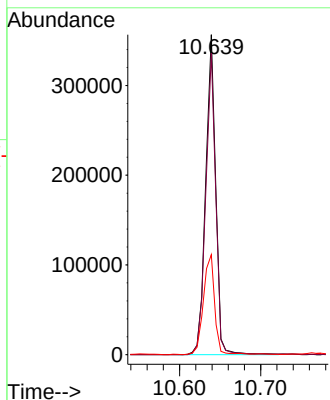
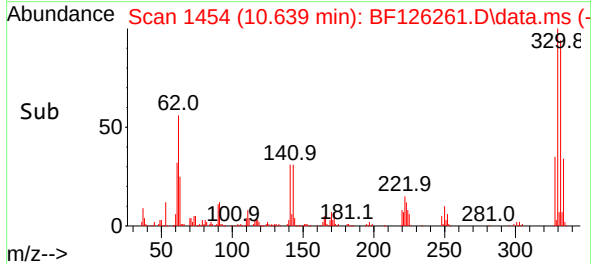


#42
2,4,6-Tribromophenol
Concen: 83.327 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

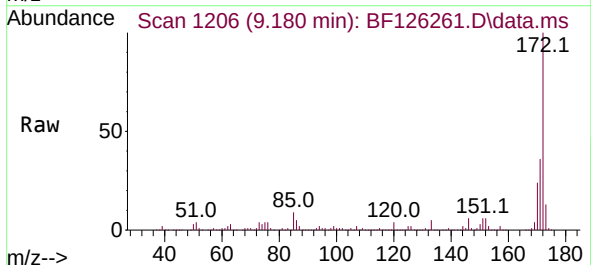
Instrument :
BNA_F
ClientSampleId :



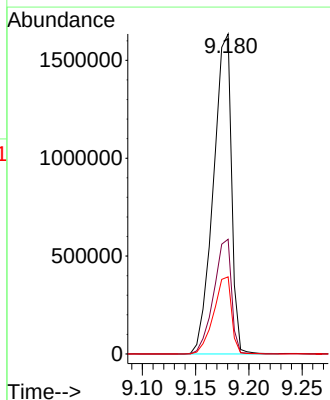
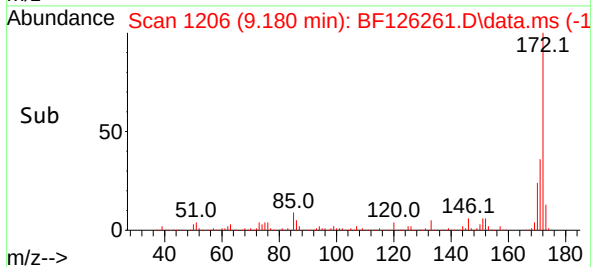
Tgt Ion:330 Resp: 306243
Ion Ratio Lower Upper
330 100
332 93.8 76.2 114.4
141 35.2 44.6 66.8#

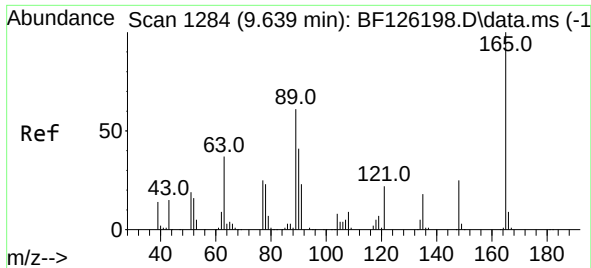


#45
2-Fluorobiphenyl
Concen: 74.098 ng
RT: 9.180 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48



Tgt Ion:172 Resp: 1932067
Ion Ratio Lower Upper
172 100
171 35.8 26.5 39.7
170 24.1 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.643 ng

RT: 9.851 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF126261.D

Acq: 18 Dec 2021 18:48

Instrument :

BNA_F

ClientSampleId :

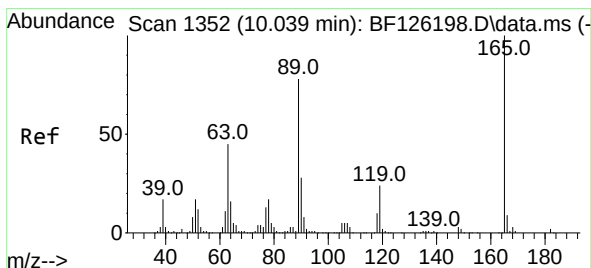
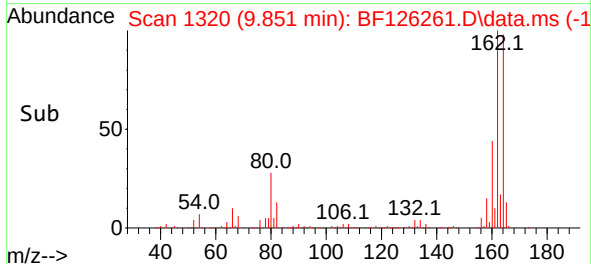
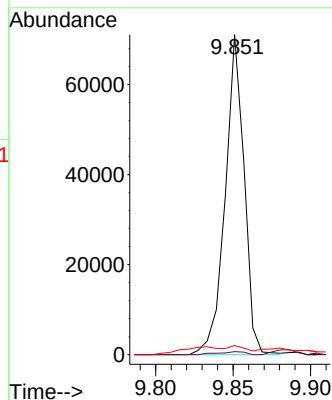
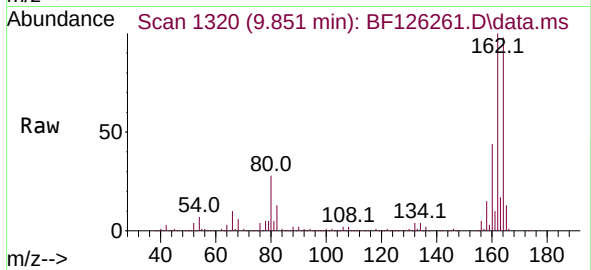
Tgt Ion:165 Resp: 60461

Ion Ratio Lower Upper

165 100

63 1.0 42.6 63.8#

89 2.8 40.6 60.8#



#57

2,4-Dinitrotoluene

Concen: 7.559 ng

RT: 9.851 min Scan# 1320

Delta R.T. -0.188 min

Lab File: BF126261.D

Acq: 18 Dec 2021 18:48

Tgt Ion:165 Resp: 60461

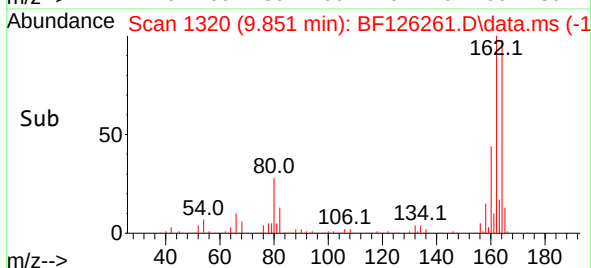
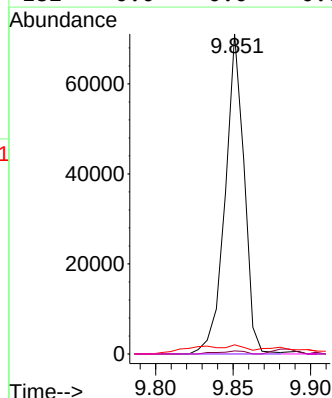
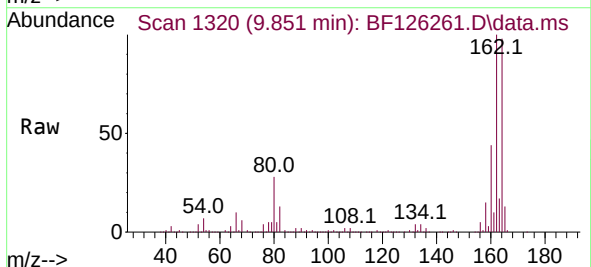
Ion Ratio Lower Upper

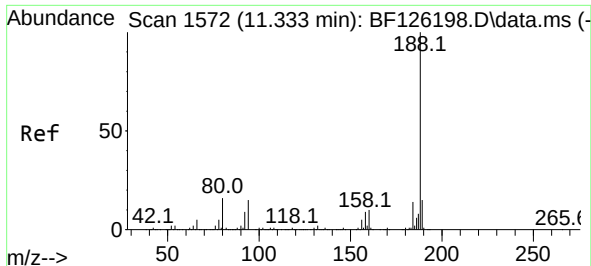
165 100

63 1.0 40.9 61.3#

89 2.8 59.7 89.5#

182 0.0 0.0 0.0

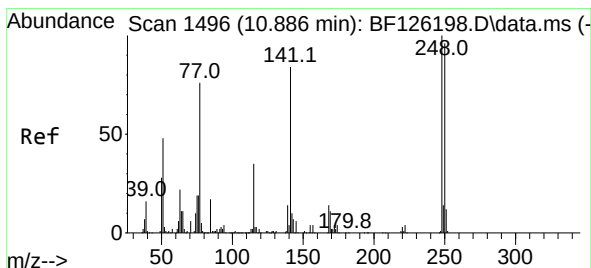
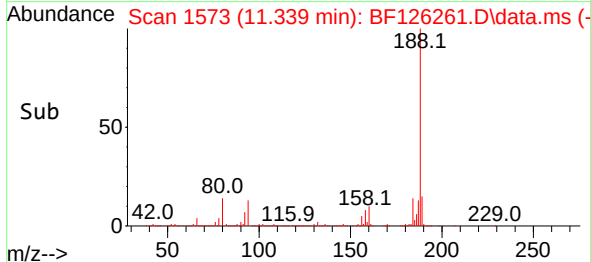
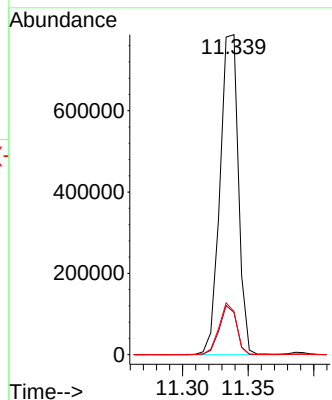
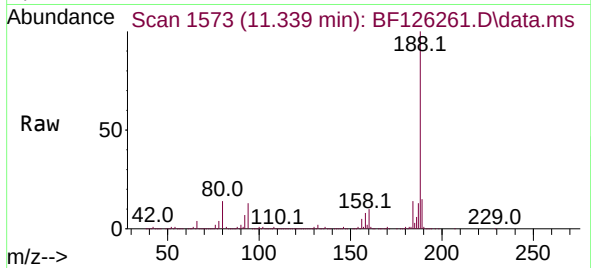




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

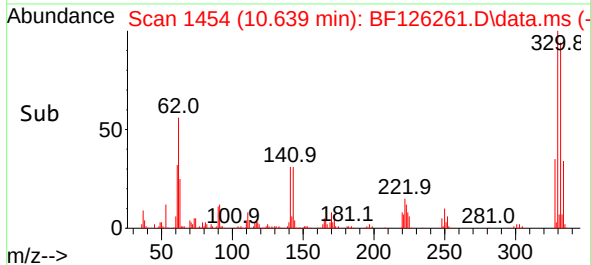
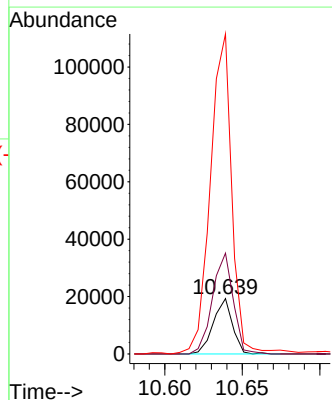
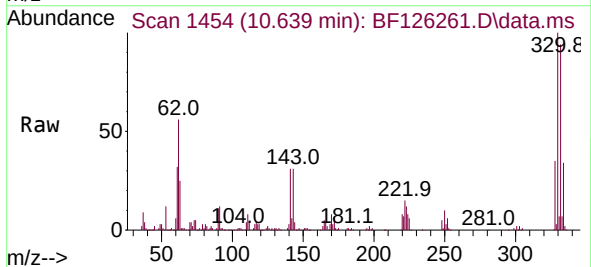
Instrument :
BNA_F
ClientSampleId :

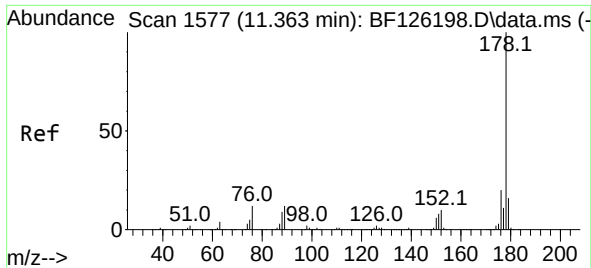
Tgt Ion:188 Resp: 766601
Ion Ratio Lower Upper
188 100
94 13.2 6.7 10.1#
80 13.5 7.5 11.3#



#67
4-Bromophenyl-phenylether
Concen: 2.325 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

Tgt Ion:248 Resp: 16726
Ion Ratio Lower Upper
248 100
250 182.3 74.2 111.4#
141 578.5 60.4 90.6#

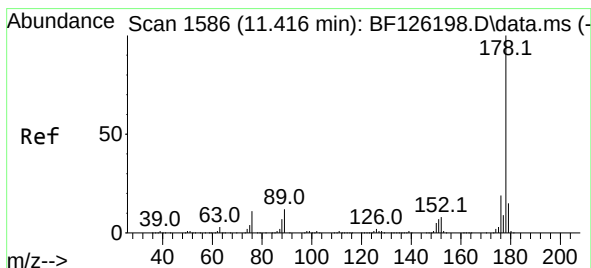
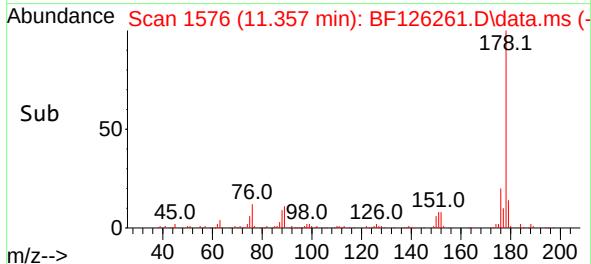
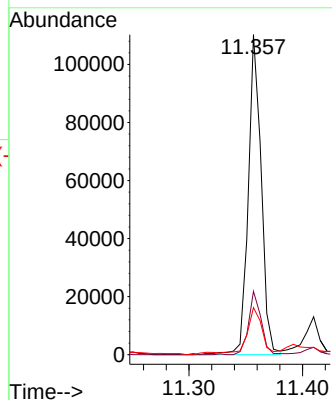
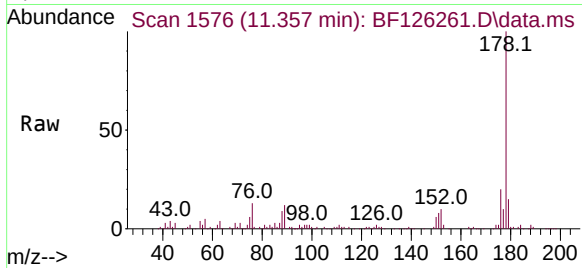




#71
Phenanthrene
Concen: 2.216 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

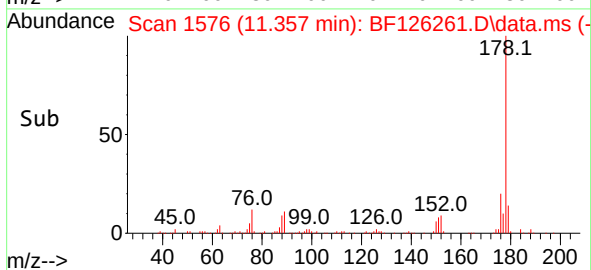
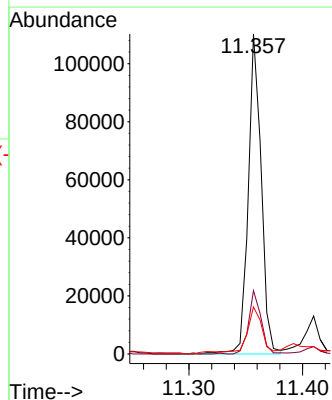
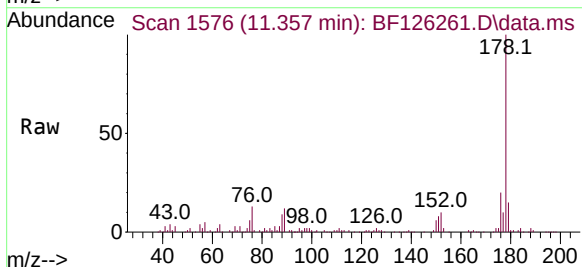
Instrument :
BNA_F
ClientSampleId :

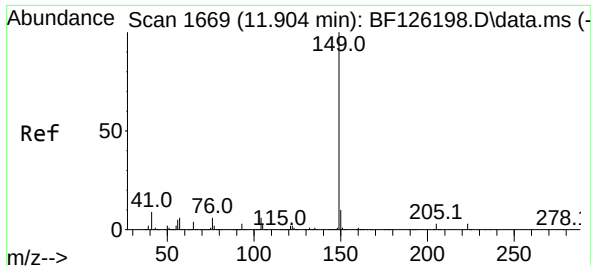
Tgt Ion:178 Resp: 87666
Ion Ratio Lower Upper
178 100
176 19.8 14.7 22.1
179 14.7 11.5 17.3



#72
Anthracene
Concen: 2.207 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.059 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

Tgt Ion:178 Resp: 87666
Ion Ratio Lower Upper
178 100
176 19.8 14.3 21.5
179 14.7 12.2 18.4

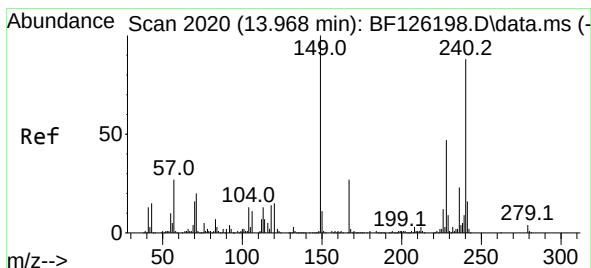
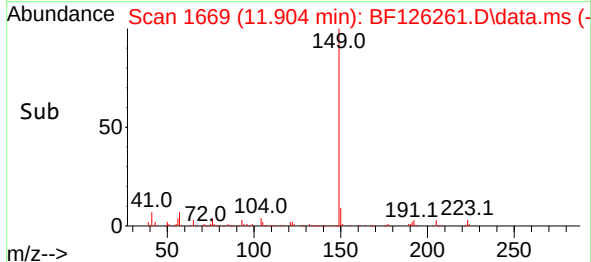
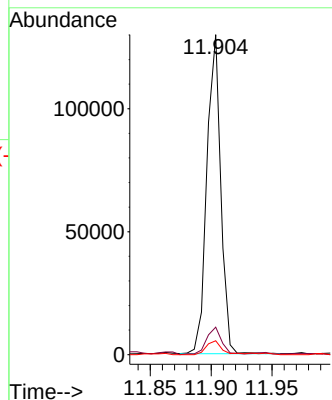
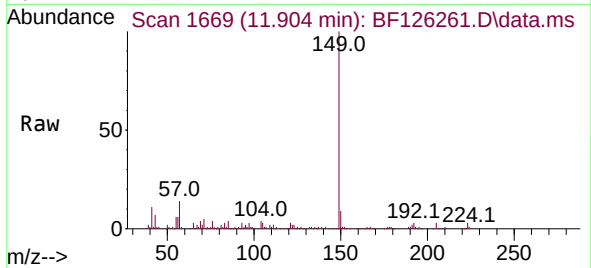




#74
Di-n-butylphthalate
Concen: 2.168 ng
RT: 11.904 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

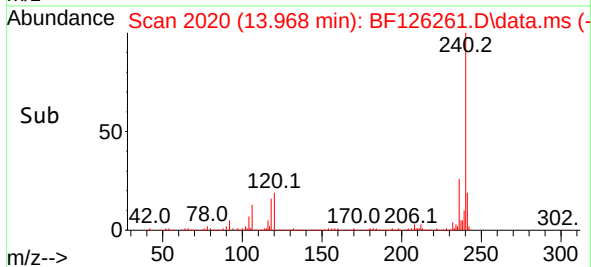
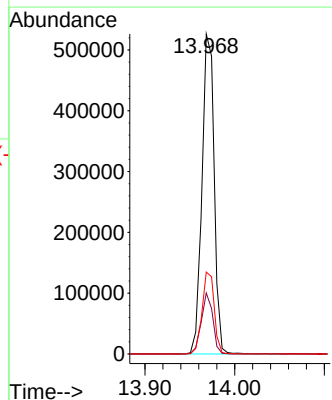
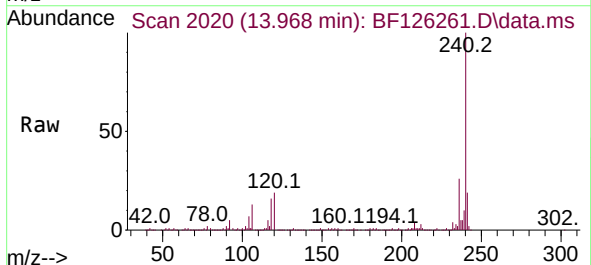
Instrument :
BNA_F
ClientSampleId :

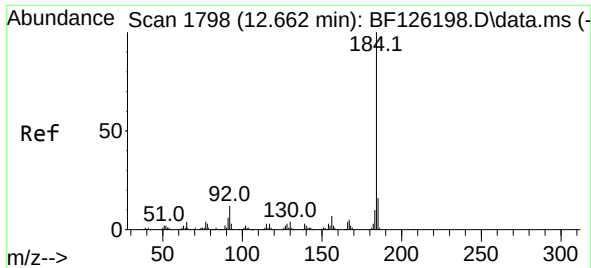
Tgt Ion:149 Resp: 102785
Ion Ratio Lower Upper
149 100
150 8.6 7.4 11.2
104 4.3 4.1 6.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

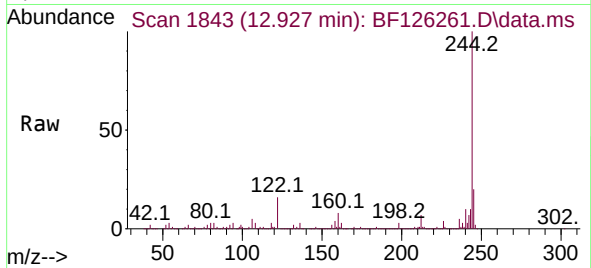
Tgt Ion:240 Resp: 497261
Ion Ratio Lower Upper
240 100
120 19.0 10.8 16.2#
236 25.6 21.6 32.4



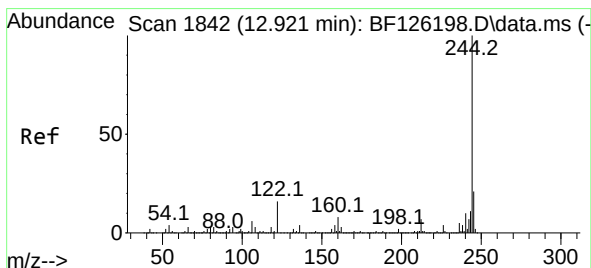
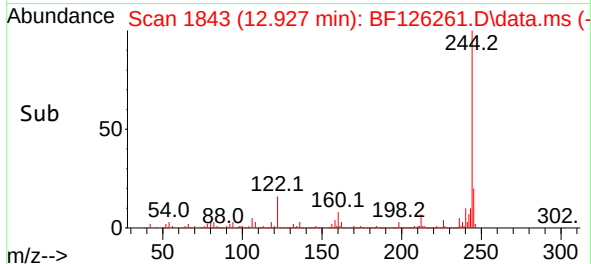
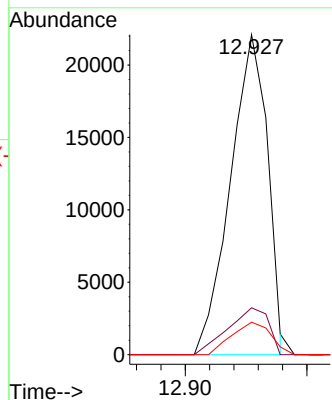


#77
Benzidine
Concen: 2.988 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.265 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

Instrument :
BNA_F
ClientSampleId :

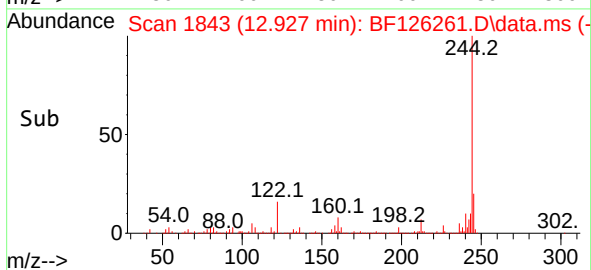
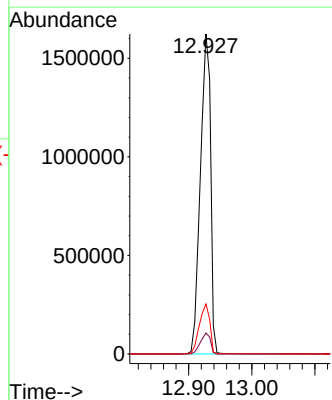
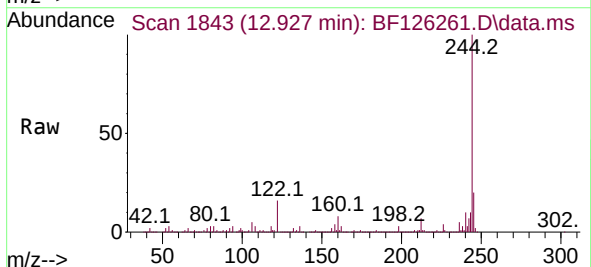


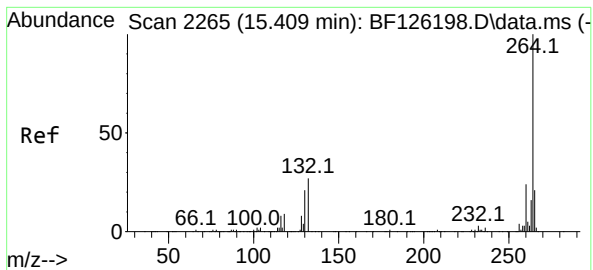
Tgt Ion:184 Resp: 23427
Ion Ratio Lower Upper
184 100
185 14.6 10.8 16.2
183 10.2 8.1 12.1



#79
Terphenyl-d14
Concen: 63.714 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF126261.D
Acq: 18 Dec 2021 18:48

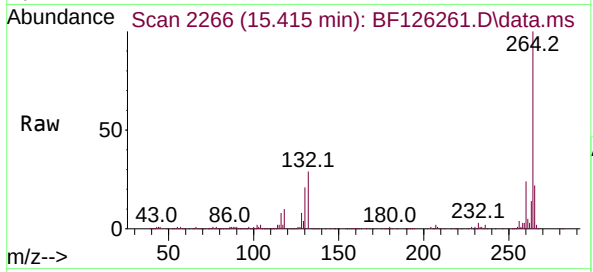
Tgt Ion:244 Resp: 1822815
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 15.7 9.0 13.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF126261.D
 Acq: 18 Dec 2021 18:48

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:264 Resp: 385547

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.1	17.2	25.8

