

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122821\
 Data File : BF126397.D
 Acq On : 28 Dec 2021 23:32
 Operator : JU/CG
 Sample : M5219-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 M21013-N48854-1040

Quant Time: Dec 29 08:25:33 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)

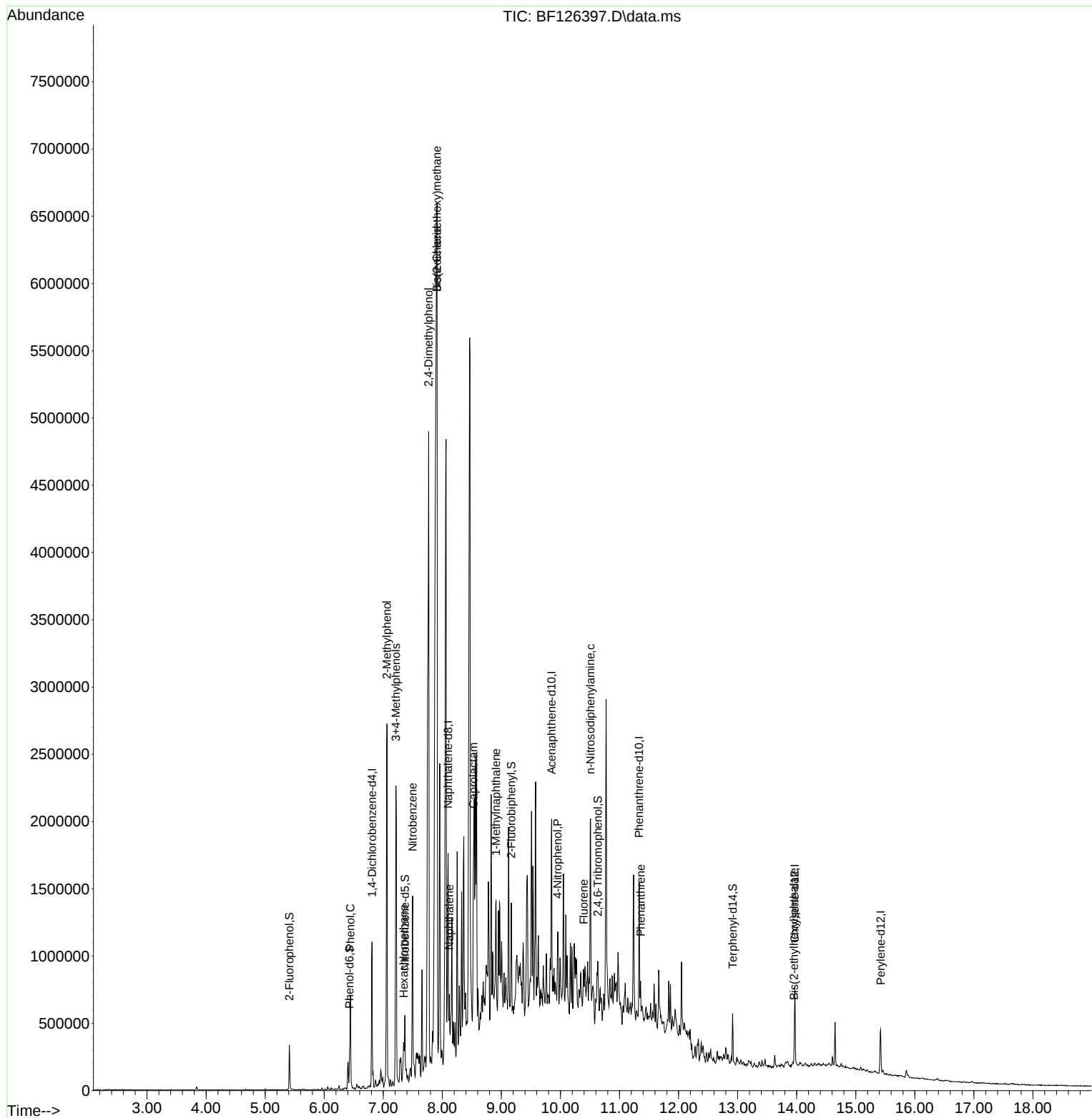
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	154138	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	636828	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	257907	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	349474	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	182726	20.000	ng	-0.01
86) Perylene-d12	15.421	264	146919	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	96825	9.251	ng	-0.02
7) Phenol-d6	6.428	99	80369	6.047	ng	-0.02
23) Nitrobenzene-d5	7.369	82	151539	12.888	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	31932	15.406	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	221010	15.030	ng	-0.01
79) Terphenyl-d14	12.915	244	99752	9.489	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.445	94	232678	15.597	ng	85
17) 2-Methylphenol	7.063	107	504521	54.260	ng	97
18) Hexachloroethane	7.345	117	9306	2.188	ng	# 1
20) 3+4-Methylphenols	7.216	107	574594	52.272	ng	# 80
24) Nitrobenzene	7.498	77	88237	7.517	ng	# 62
27) 2,4-Dimethylphenol	7.769	122	1384119	154.025	ng	# 92
28) bis(2-Chloroethoxy)met...	7.910	93	140770	9.643	ng	# 1
31) Naphthalene	8.116	128	127190	4.271	ng	98
32) Benzoic acid	7.910	122	3153563	407.346	ng	# 17
35) Caprolactam	8.528	113	29680	14.951	ng	# 37
38) 1-Methylnaphthalene	8.910	142	223563	12.561	ng	94
56) 4-Nitrophenol	9.951	139	13058	4.022	ng	# 70
58) Fluorene	10.392	166	31831	2.271	ng	# 97
66) n-Nitrosodiphenylamine	10.510	169	49684	4.430	ng	# 55
71) Phenanthrene	11.357	178	81913	4.541	ng	# 93
84) Bis(2-ethylhexyl)phtha...	13.957	149	22515	2.550	ng	99

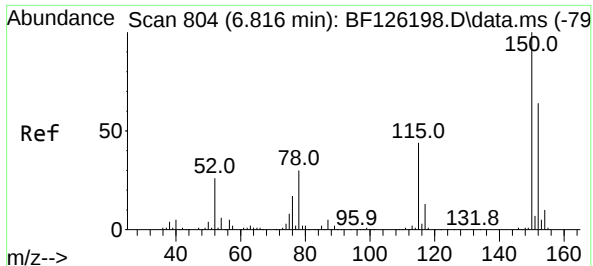
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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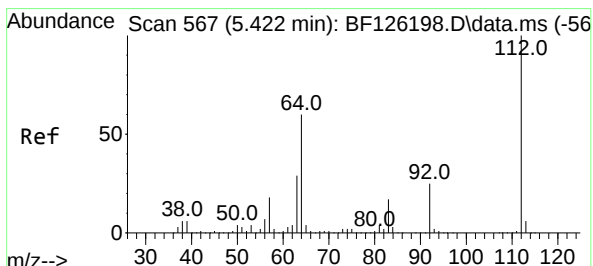
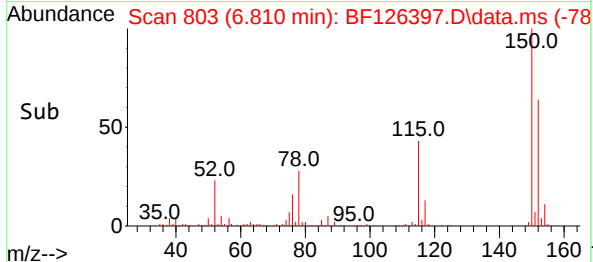
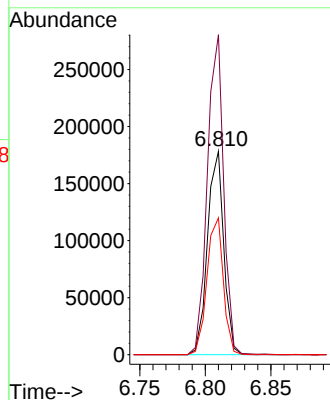
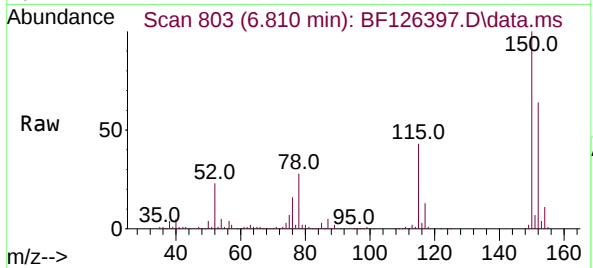




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.810 min Scan# 804
 Delta R.T. -0.006 min
 Lab File: BF126397.D
 Acq: 28 Dec 2021 23:32

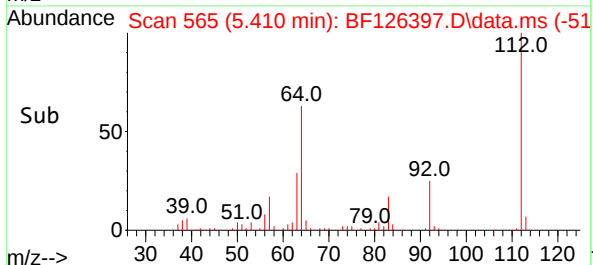
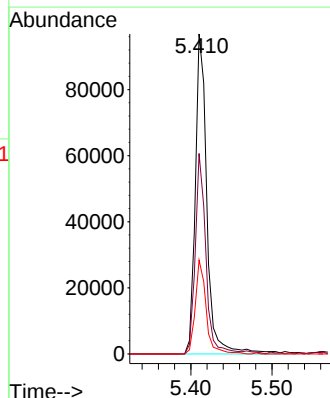
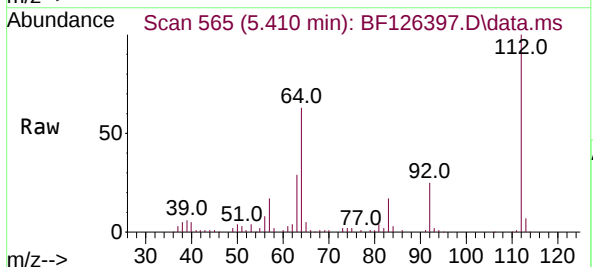
Instrument :
 BNA_F
 ClientSampleId :
 M21013-N48854-1040

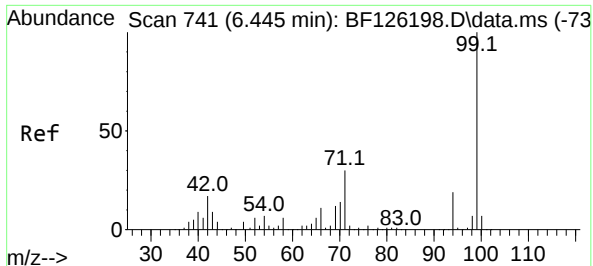
Tgt Ion:152 Resp: 154138
 Ion Ratio Lower Upper
 152 100
 150 157.3 117.6 176.4
 115 67.3 47.1 70.7



#5
 2-Fluorophenol
 Concen: 9.251 ng
 RT: 5.410 min Scan# 565
 Delta R.T. -0.018 min
 Lab File: BF126397.D
 Acq: 28 Dec 2021 23:32

Tgt Ion:112 Resp: 96825
 Ion Ratio Lower Upper
 112 100
 64 62.7 44.2 66.2
 63 29.4 26.2 39.2

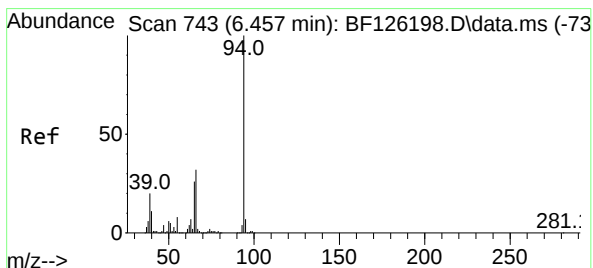
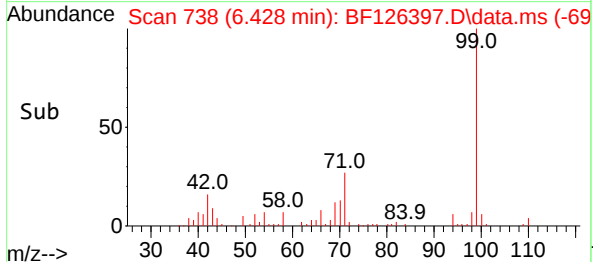
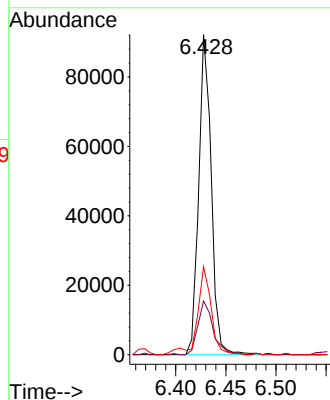
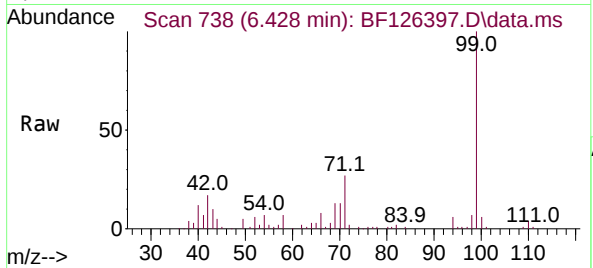




#7
Phenol-d6
Concen: 6.047 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

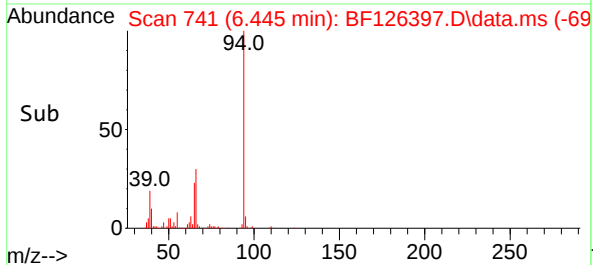
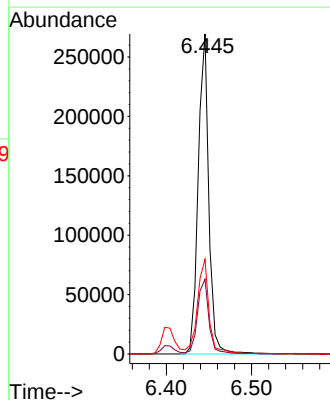
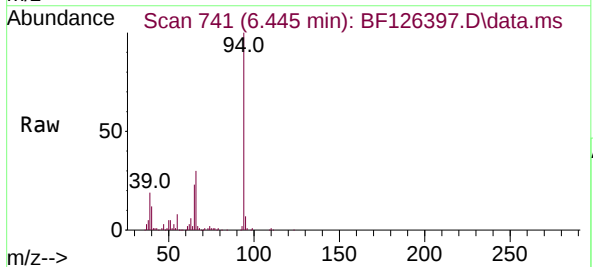
Instrument :
BNA_F
ClientSampleId :
M21013-N48854-1040

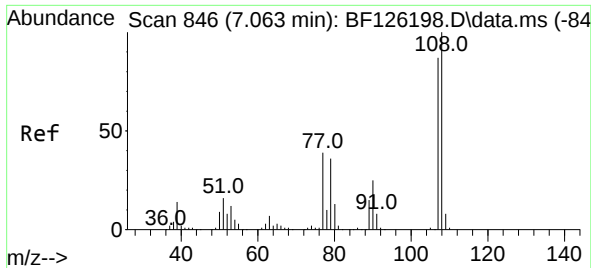
Tgt Ion: 99 Resp: 80369
Ion Ratio Lower Upper
99 100
42 16.7 23.5 35.3#
71 27.5 25.6 38.4



#10
Phenol
Concen: 15.597 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

Tgt Ion: 94 Resp: 232678
Ion Ratio Lower Upper
94 100
65 23.4 9.3 49.3
66 29.6 20.3 60.3

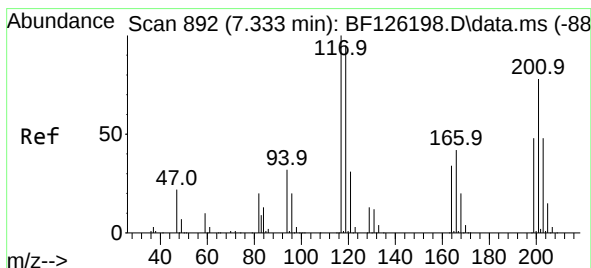
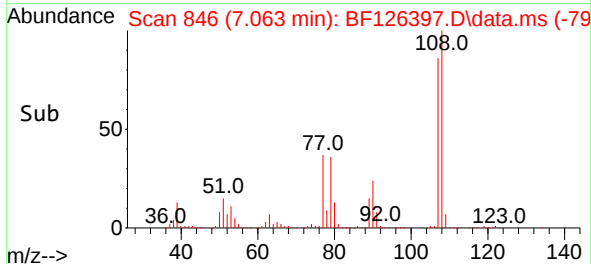
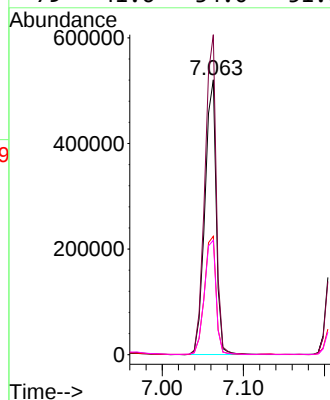
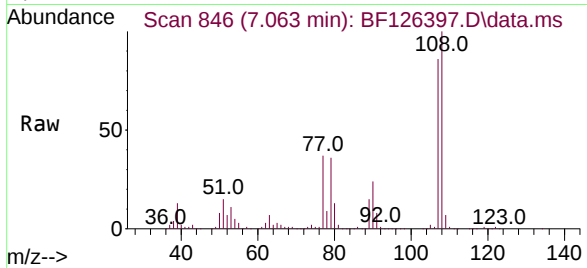




#17
2-Methylphenol
Concen: 54.260 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

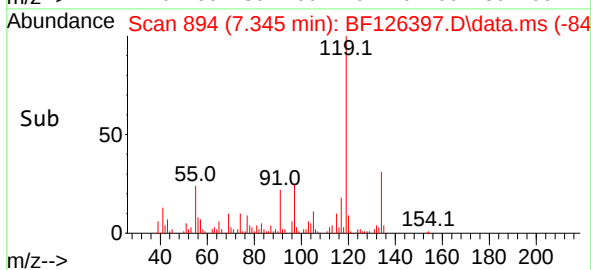
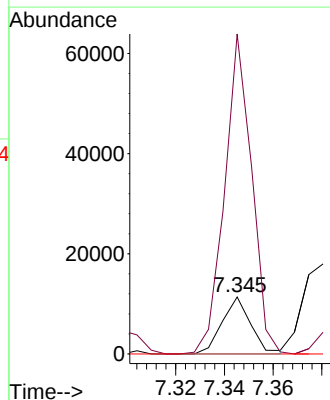
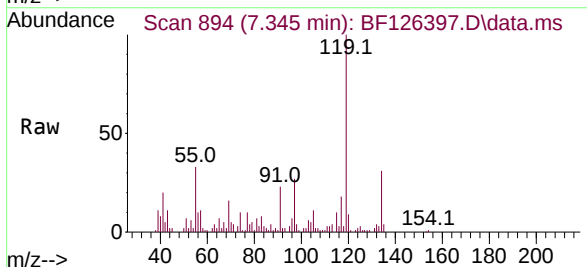
Instrument :
BNA_F
ClientSampleId :
M21013-N48854-1040

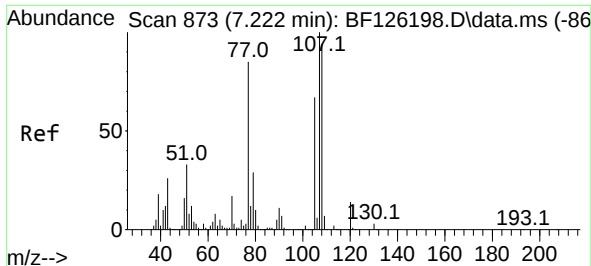
Tgt Ion:107	Resp:	504521
Ion	Ratio	Lower Upper
107	100	
108	116.4	90.6 135.8
77	43.0	35.7 53.5
79	41.6	34.0 51.0



#18
Hexachloroethane
Concen: 2.188 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.012 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

Tgt Ion:117	Resp:	9306
Ion	Ratio	Lower Upper
117	100	
119	562.3	73.4 110.2#
201	0.0	64.9 97.3#





#20

3+4-Methylphenols

Concen: 52.272 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF126397.D

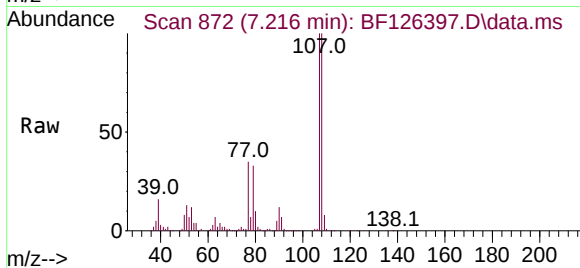
Acq: 28 Dec 2021 23:32

Instrument :

BNA_F

ClientSampleId :

M21013-N48854-1040



Tgt Ion:107 Resp: 574594

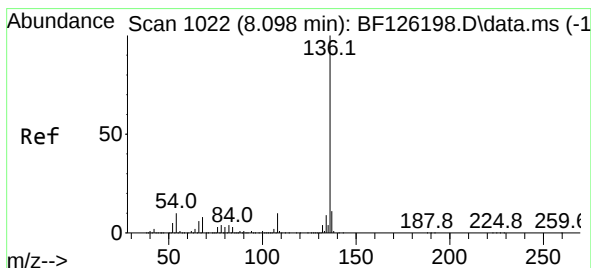
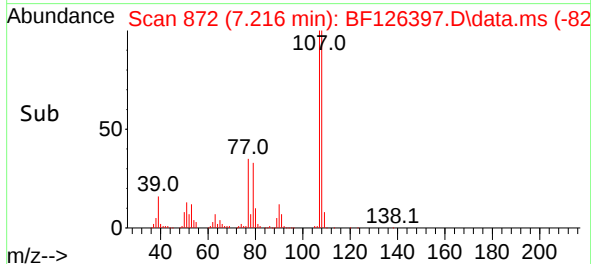
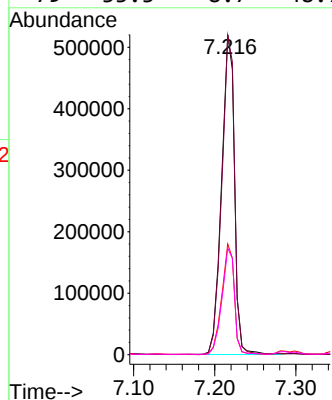
Ion Ratio Lower Upper

107 100

108 99.8 76.6 116.6

77 34.6 53.3 93.3#

79 33.3 8.7 48.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF126397.D

Acq: 28 Dec 2021 23:32

Tgt Ion:136 Resp: 636828

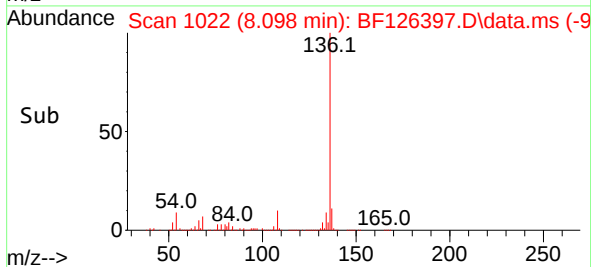
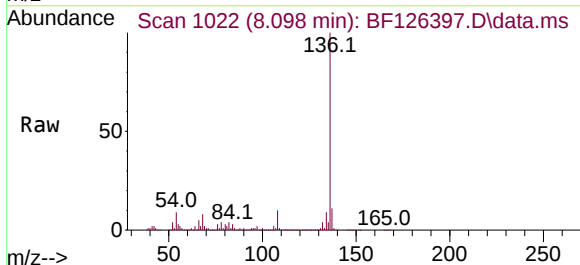
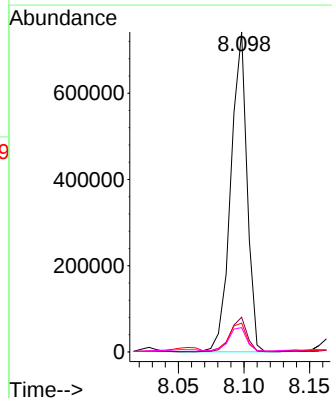
Ion Ratio Lower Upper

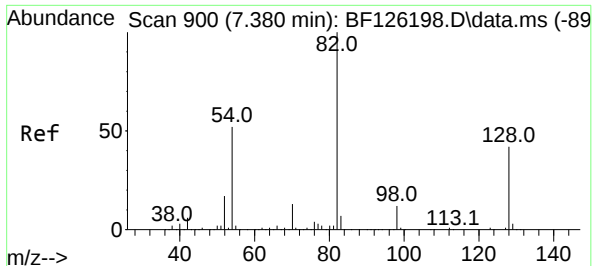
136 100

137 10.8 9.8 14.6

54 9.0 6.4 9.6

68 7.6 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 12.888 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126397.D

Acq: 28 Dec 2021 23:32

Instrument :

BNA_F

ClientSampleId :

M21013-N48854-1040

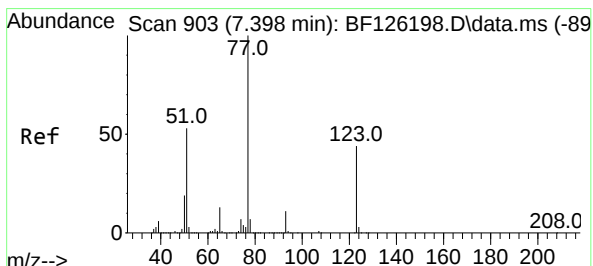
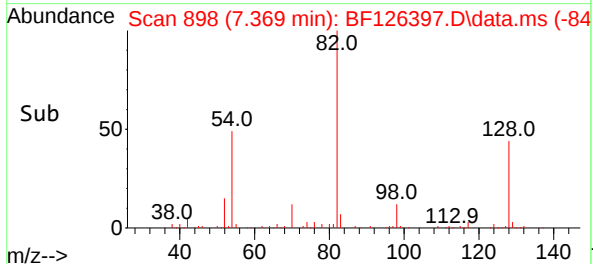
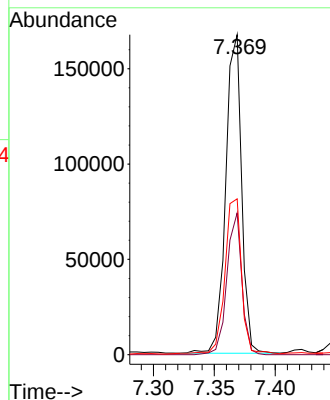
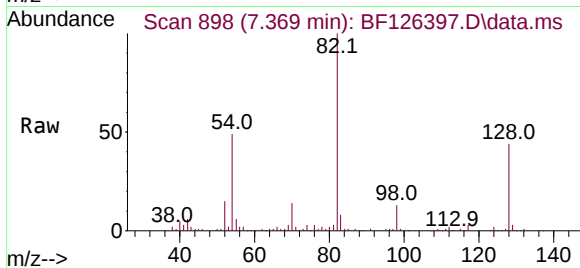
Tgt Ion: 82 Resp: 151539

Ion Ratio Lower Upper

82 100

128 44.3 40.6 60.8

54 48.7 49.6 74.4#



#24

Nitrobenzene

Concen: 7.517 ng

RT: 7.498 min Scan# 920

Delta R.T. 0.100 min

Lab File: BF126397.D

Acq: 28 Dec 2021 23:32

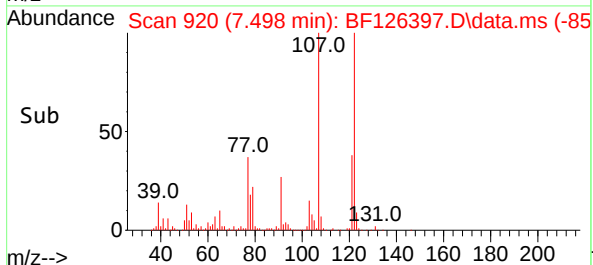
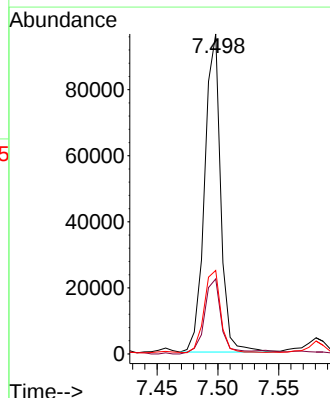
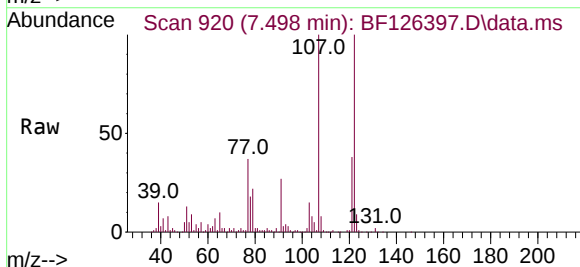
Tgt Ion: 77 Resp: 88237

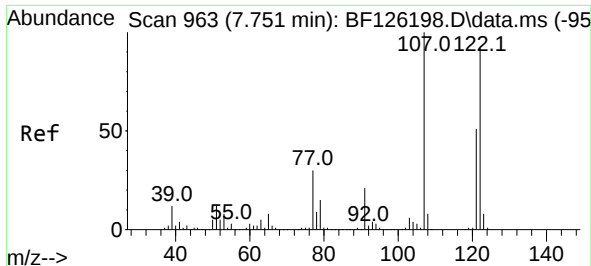
Ion Ratio Lower Upper

77 100

123 23.5 42.3 63.5#

65 26.1 12.4 18.6#





#27

2,4-Dimethylphenol

Concen: 154.025 ng

RT: 7.769 min Scan# 90

Delta R.T. 0.018 min

Lab File: BF126397.D

Acq: 28 Dec 2021 23:32

Instrument :

BNA_F

ClientSampleId :

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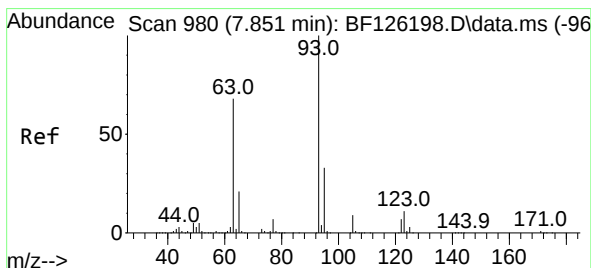
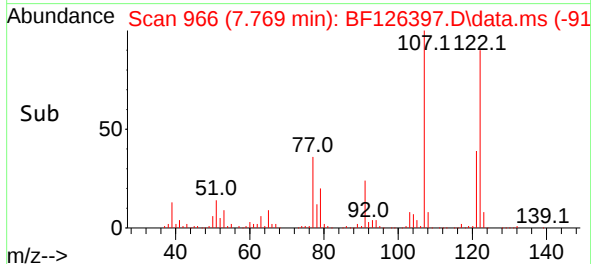
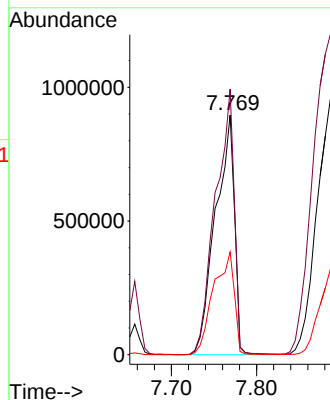
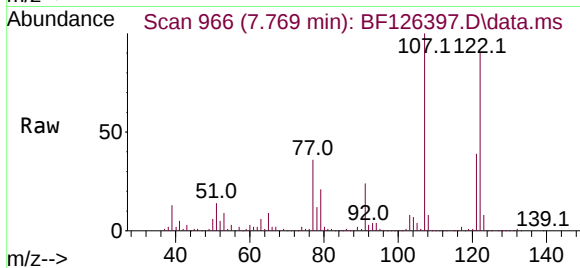
Tgt Ion:122 Resp: 1384119

Ion Ratio Lower Upper

122 100

107 110.8 85.0 127.6

121 42.8 43.3 64.9#



#28

bis(2-Chloroethoxy)methane

Concen: 9.643 ng

RT: 7.910 min Scan# 990

Delta R.T. 0.059 min

Lab File: BF126397.D

Acq: 28 Dec 2021 23:32

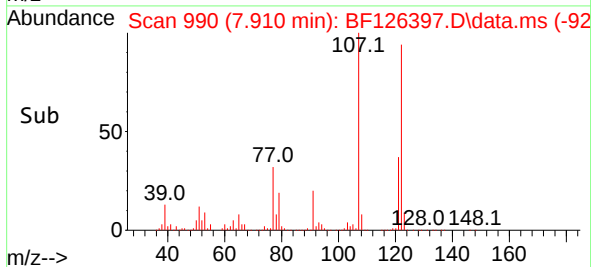
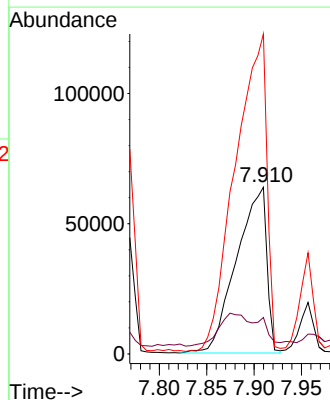
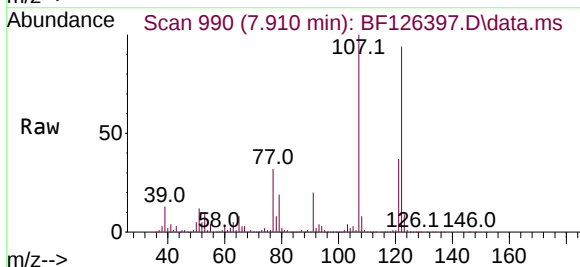
Tgt Ion: 93 Resp: 140770

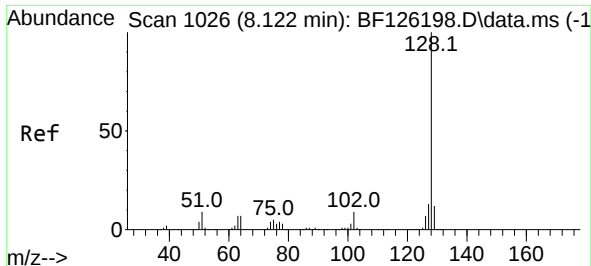
Ion Ratio Lower Upper

93 100

95 21.9 26.1 39.1#

123 191.9 11.7 17.5#

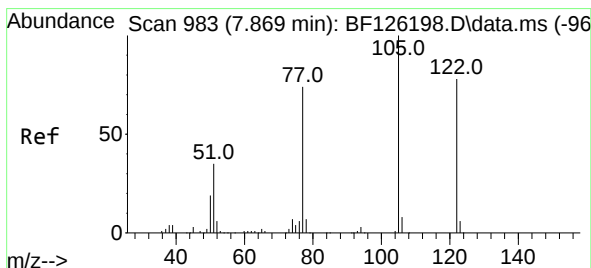
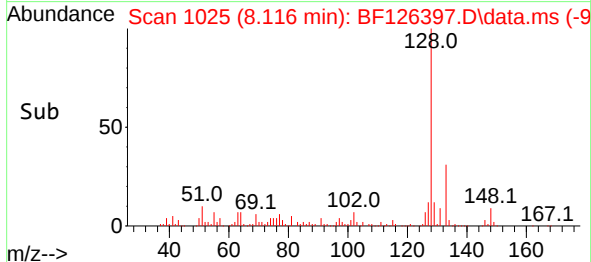
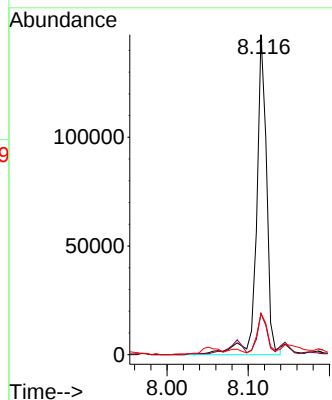
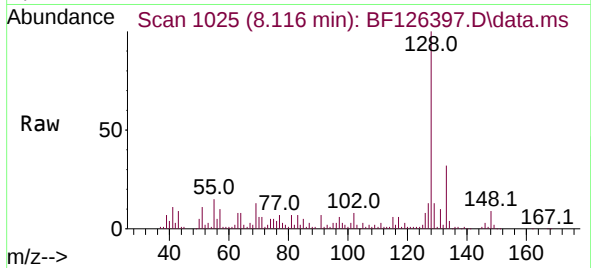




#31
Naphthalene
Concen: 4.271 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

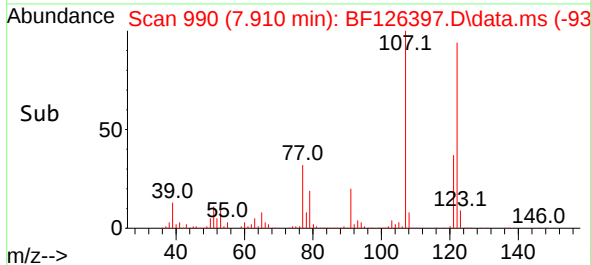
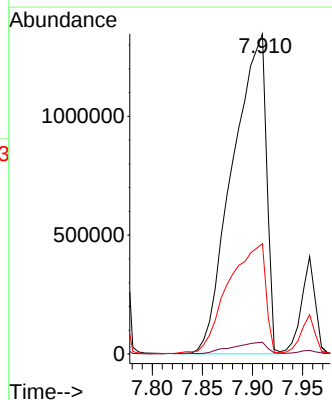
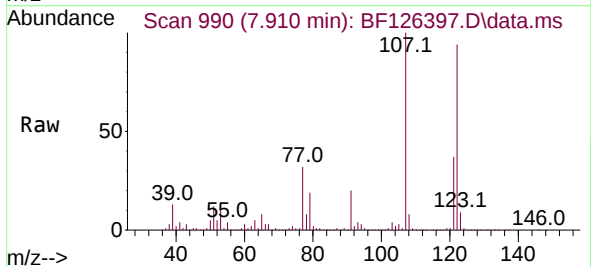
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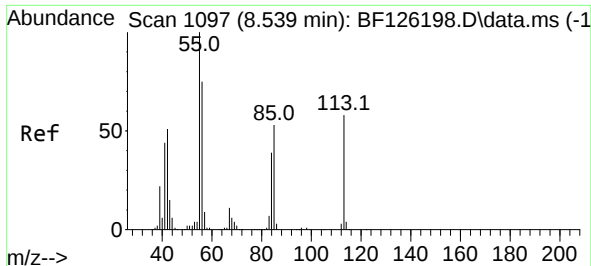
Tgt Ion:128 Resp: 127190
Ion Ratio Lower Upper
128 100
129 12.8 9.4 14.0
127 12.9 10.9 16.3



#32
Benzoic acid
Concen: 407.346 ng
RT: 7.910 min Scan# 990
Delta R.T. 0.035 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

Tgt Ion:122 Resp: 3153563
Ion Ratio Lower Upper
122 100
105 3.6 97.6 137.6#
77 34.5 59.6 99.6#

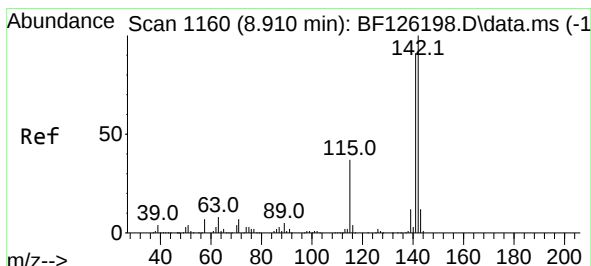
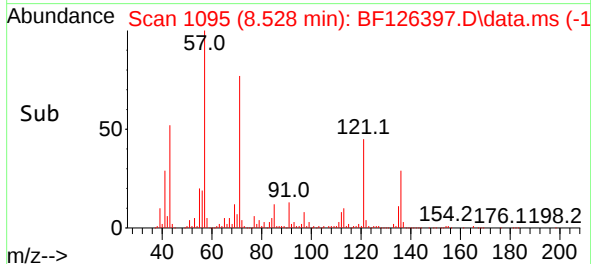
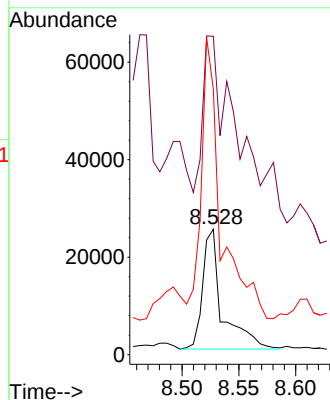
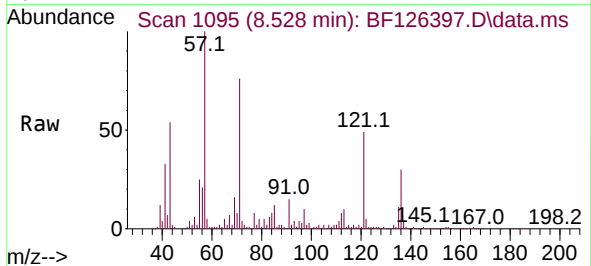




#35
 Caprolactam
 Concen: 14.951 ng
 RT: 8.528 min Scan# 1095
 Delta R.T. -0.006 min
 Lab File: BF126397.D
 Acq: 28 Dec 2021 23:32

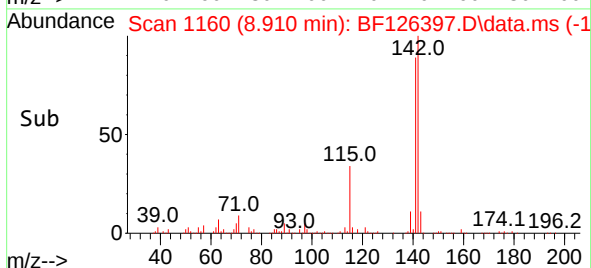
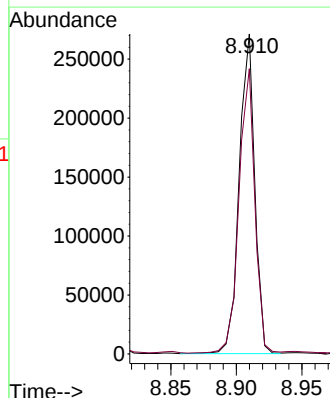
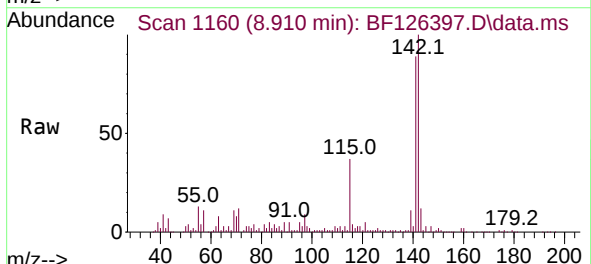
Instrument :
 BNA_F
 ClientSampleId :
 M21013-N48854-1040

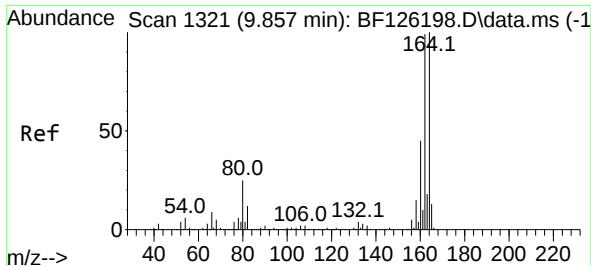
Tgt Ion:113 Resp: 29680
 Ion Ratio Lower Upper
 113 100
 55 253.8 154.1 194.1#
 56 211.6 108.7 148.7#



#38
 1-Methylnaphthalene
 Concen: 12.561 ng
 RT: 8.910 min Scan# 1160
 Delta R.T. -0.006 min
 Lab File: BF126397.D
 Acq: 28 Dec 2021 23:32

Tgt Ion:142 Resp: 223563
 Ion Ratio Lower Upper
 142 100
 141 89.2 76.0 114.0

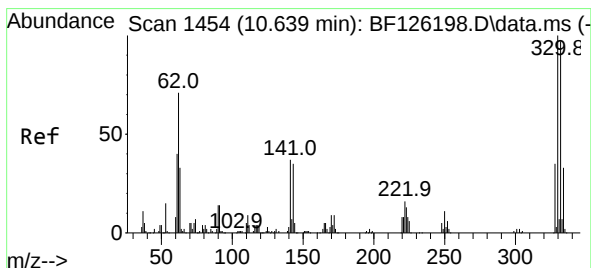
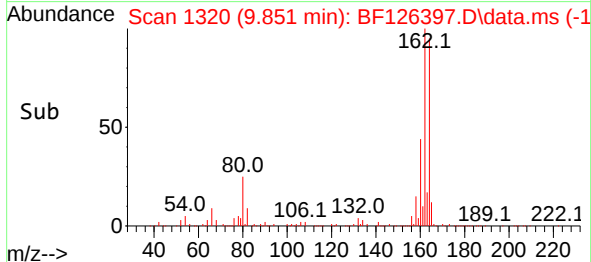
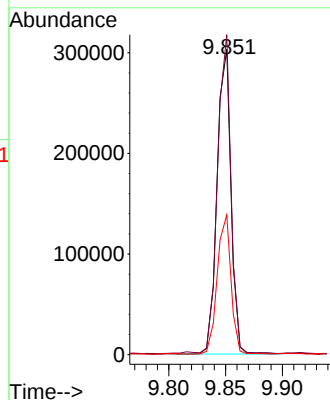
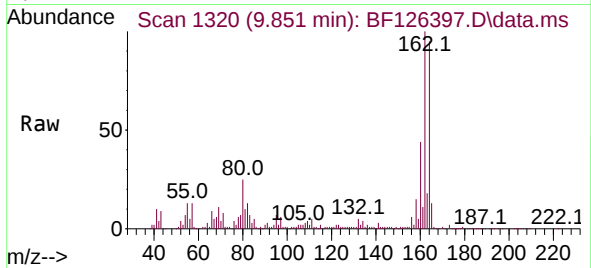




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

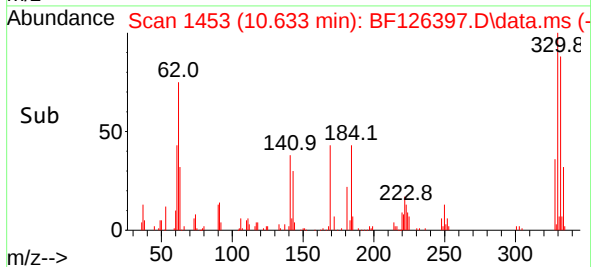
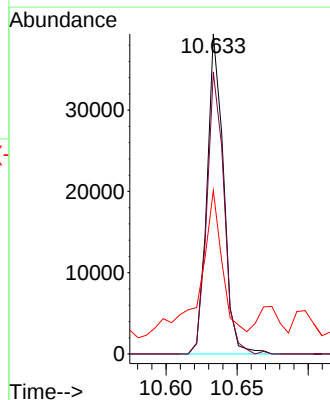
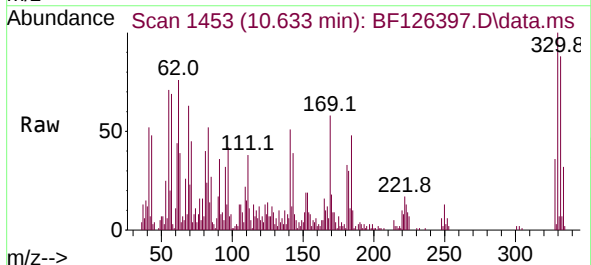
Instrument :
BNA_F
ClientSampleId :
M21013-N48854-1040

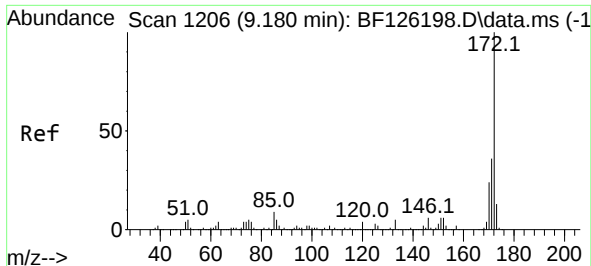
Tgt Ion:164 Resp: 257907
Ion Ratio Lower Upper
164 100
162 104.8 81.3 121.9
160 45.8 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 15.406 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

Tgt Ion:330 Resp: 31932
Ion Ratio Lower Upper
330 100
332 91.6 76.2 114.4
141 64.1 44.6 66.8

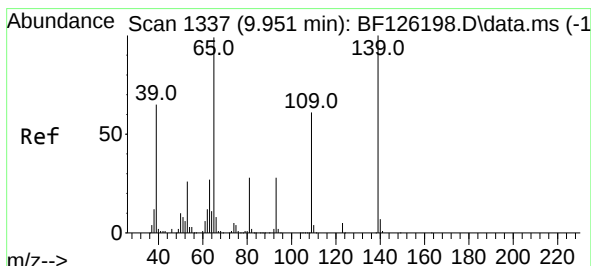
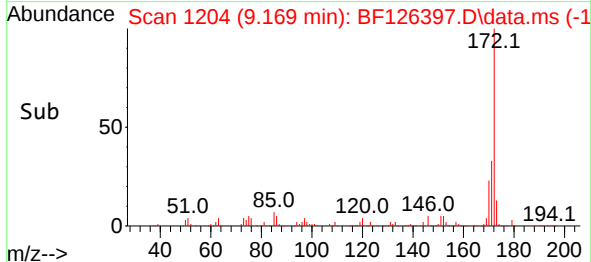
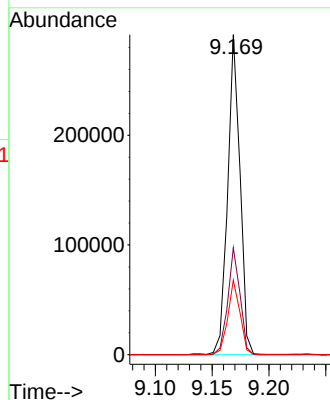
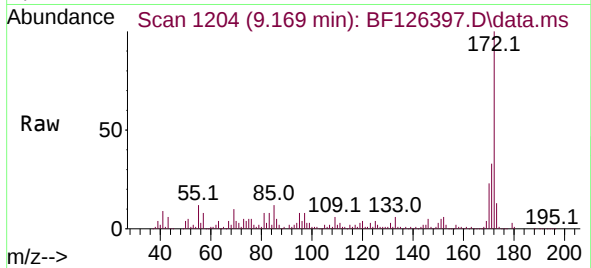




#45
2-Fluorobiphenyl
Concen: 15.030 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

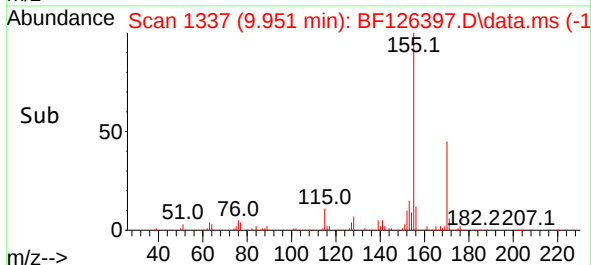
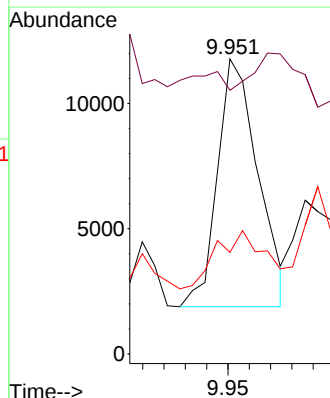
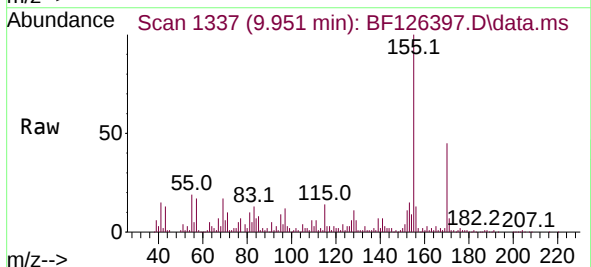
Instrument :
BNA_F
ClientSampleId :
M21013-N48854-1040

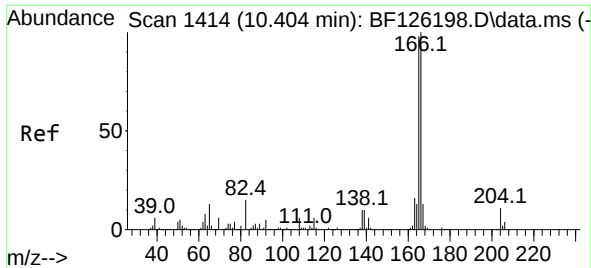
Tgt Ion:172 Resp: 221010
Ion Ratio Lower Upper
172 100
171 33.4 26.5 39.7
170 23.3 18.8 28.2



#56
4-Nitrophenol
Concen: 4.022 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

Tgt Ion:139 Resp: 13058
Ion Ratio Lower Upper
139 100
109 89.4 60.4 100.4
65 34.4 58.4 98.4#

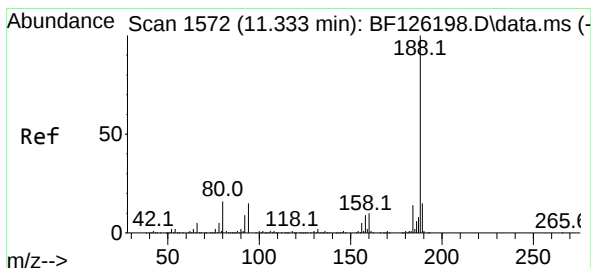
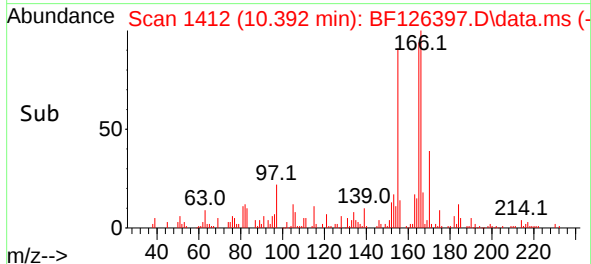
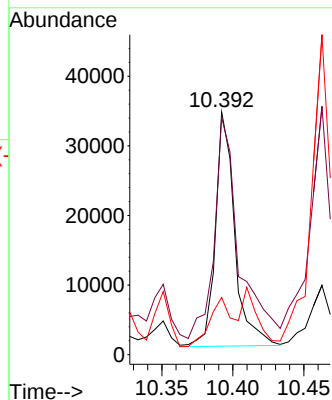
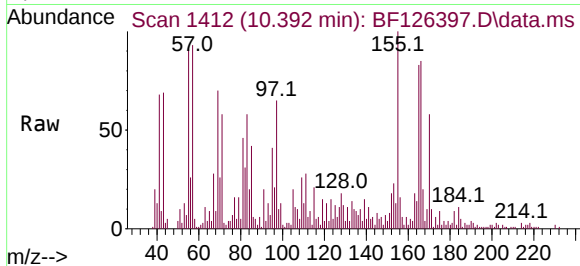




#58
Fluorene
Concen: 2.271 ng
RT: 10.392 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

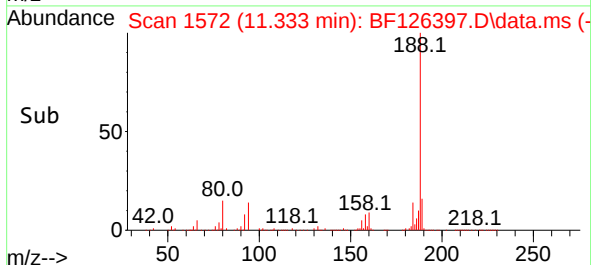
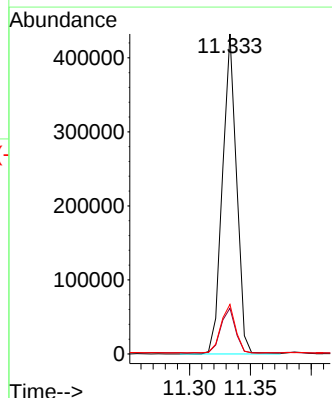
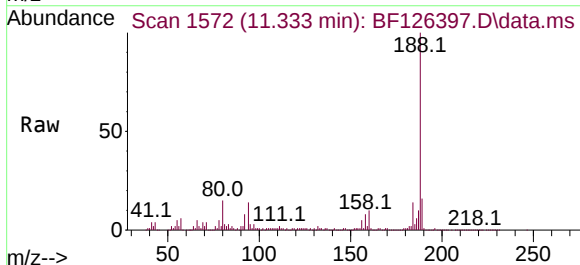
Instrument :
BNA_F
ClientSampleId :
M21013-N48854-1040

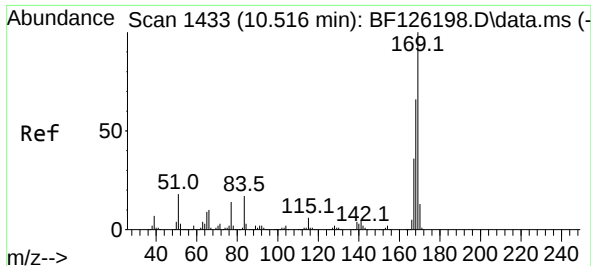
Tgt Ion:166 Resp: 31831
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 23.6 11.1 16.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

Tgt Ion:188 Resp: 349474
Ion Ratio Lower Upper
188 100
94 14.3 6.7 10.1#
80 15.5 7.5 11.3#

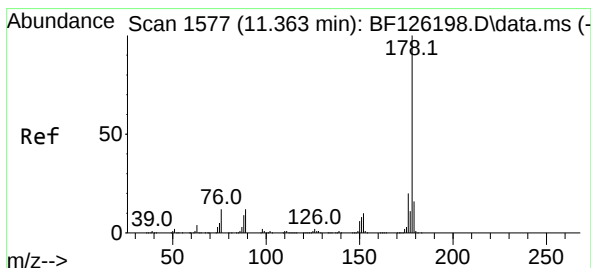
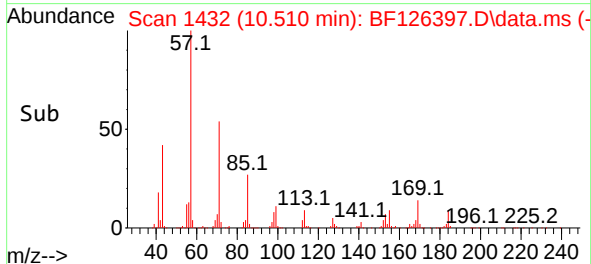
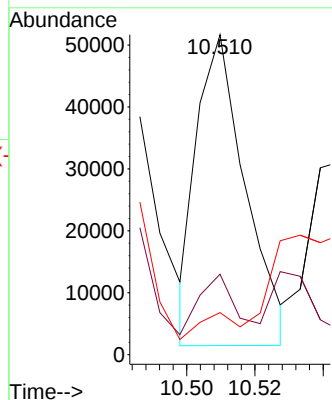
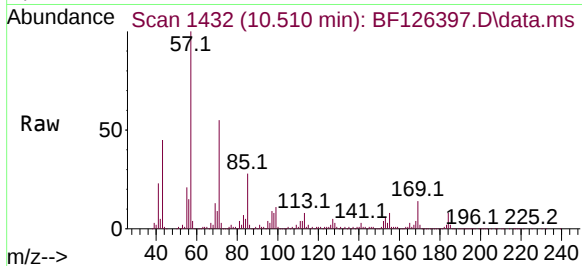




#66
n-Nitrosodiphenylamine
Concen: 4.430 ng
RT: 10.510 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

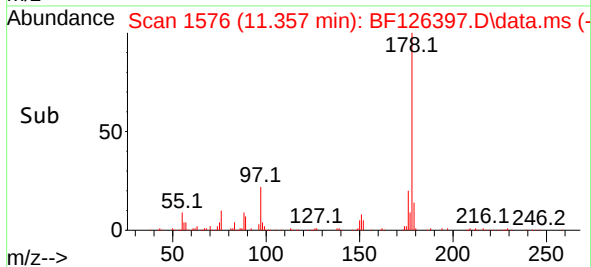
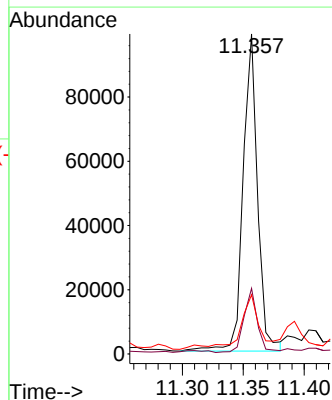
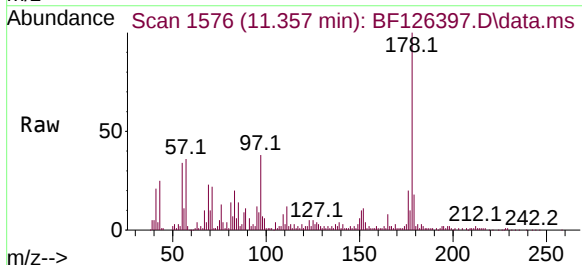
Instrument :
BNA_F
ClientSampleId :
M21013-N48854-1040

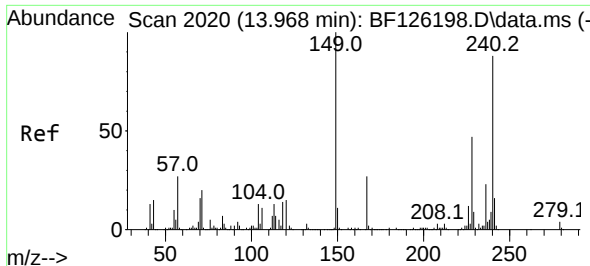
Tgt Ion:169 Resp: 49684
Ion Ratio Lower Upper
169 100
168 25.2 50.8 76.2#
167 13.1 28.8 43.2#



#71
Phenanthrene
Concen: 4.541 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

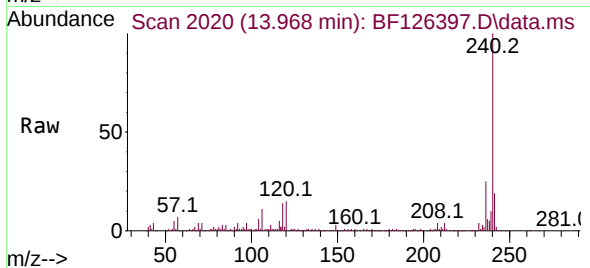
Tgt Ion:178 Resp: 81913
Ion Ratio Lower Upper
178 100
176 20.5 14.7 22.1
179 18.5 11.5 17.3#



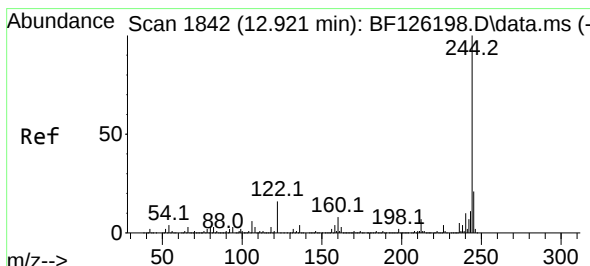
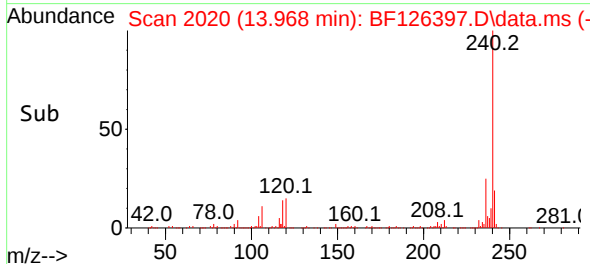
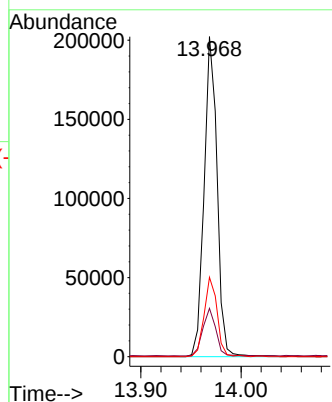


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

Instrument :
BNA_F
ClientSampleId :
M21013-N48854-1040

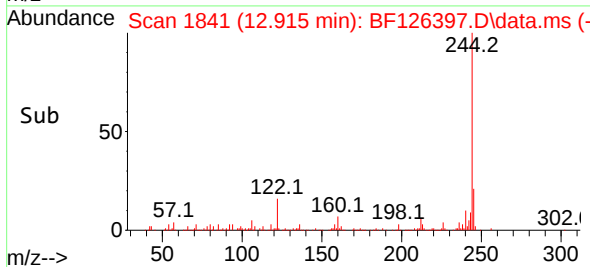
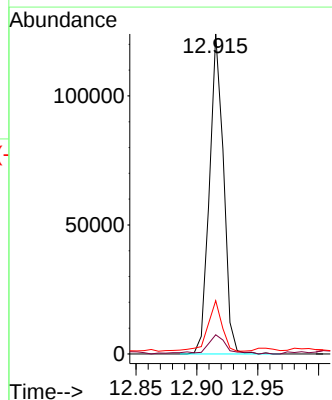
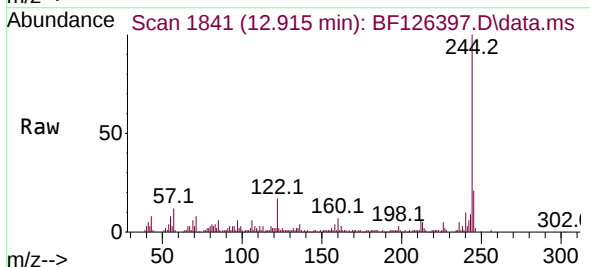


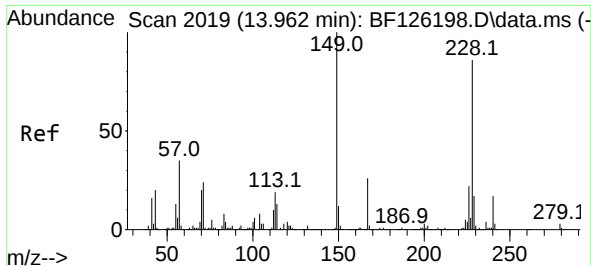
Tgt Ion:240 Resp: 182726
Ion Ratio Lower Upper
240 100
120 15.1 10.8 16.2
236 24.8 21.6 32.4



#79
Terphenyl-d14
Concen: 9.489 ng
RT: 12.915 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

Tgt Ion:244 Resp: 99752
Ion Ratio Lower Upper
244 100
212 6.0 5.9 8.9
122 16.6 9.0 13.4

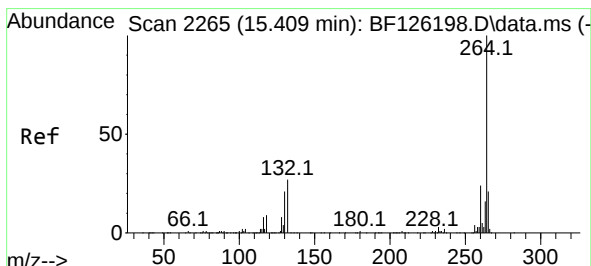
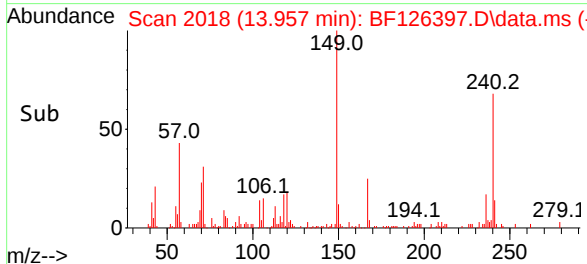
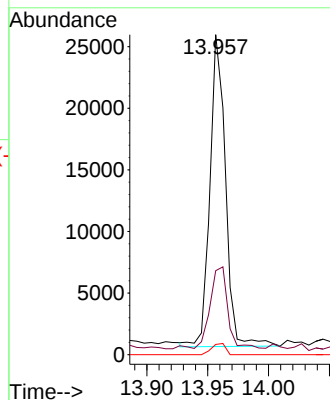
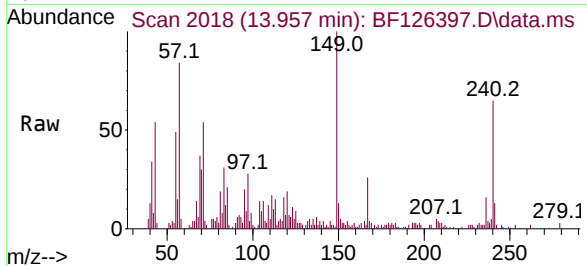




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.550 ng
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

Instrument :
BNA_F
ClientSampleId :
M21013-N48854-1040

Tgt Ion:	149	Resp:	22515
Ion Ratio	Lower	Upper	
149	100		
167	26.3	21.4	32.0
279	3.2	2.6	4.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF126397.D
Acq: 28 Dec 2021 23:32

Tgt Ion:	264	Resp:	146919
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.6	29.4
265	21.6	17.2	25.8

