

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111321\
 Data File : BF126184.D
 Acq On : 13 Nov 2021 23:41
 Operator : JU/CG
 Sample : M4573-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MBR1

Quant Time: Nov 15 10:03:44 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 15 08:09:33 2021
 Response via : Initial Calibration

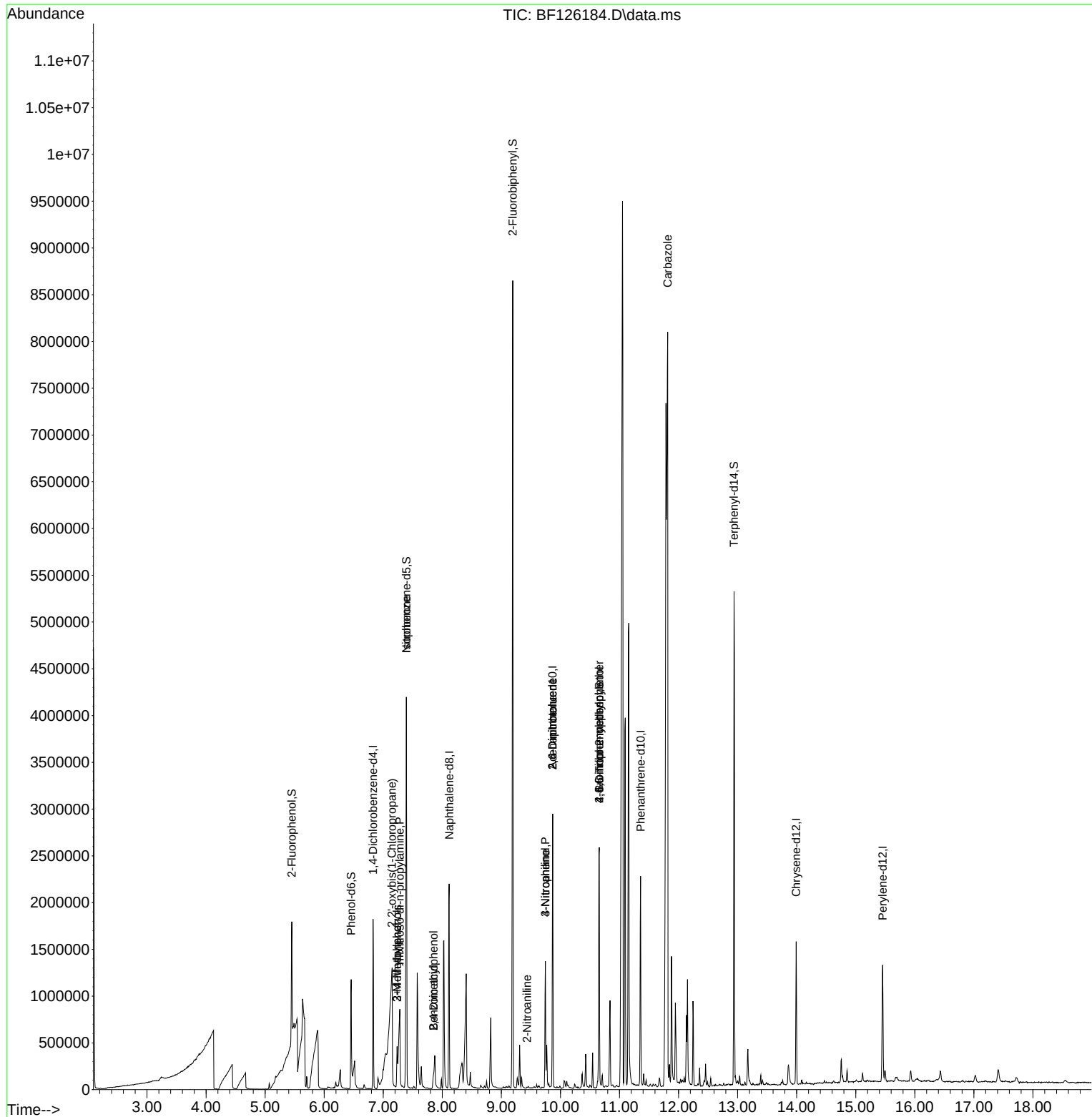
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	253516	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	934330	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	528514	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	759170	20.000	ng	0.00
76) Chrysene-d12	13.992	240	490635	20.000	ng	#-0.01
86) Perylene-d12	15.456	264	570847	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	266147	18.028	ng	0.00
7) Phenol-d6	6.457	99	346548	16.653	ng	-0.01
23) Nitrobenzene-d5	7.392	82	1354454	68.366	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	302721	49.980	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	2442840	62.461	ng	0.00
79) Terphenyl-d14	12.939	244	1788965	58.797	ng	0.00
Target Compounds						
9) Benzaldehyde	6.375	77	771	Below Cal		Qvalue # 56
16) 2,2'-oxybis(1-Chloropr...	7.145	45	127257	4.465	ng	82
17) 2-Methylphenol	7.233	107	78927	5.879	ng	# 74
19) n-Nitroso-di-n-propyla...	7.281	70	41202	3.003	ng	# 54
20) 3+4-Methylphenols	7.233	107	78927	4.349	ng	# 75
25) Isophorone	7.392	82	1350105	37.850	ng	# 59
27) 2,4-Dimethylphenol	7.851	122	40892	3.144	ng	# 8
32) Benzoic acid	7.851	122	40892	13.246	ng	91
48) 2-Nitroaniline	9.433	65	1108	2.948	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	68074	10.321	ng	# 28
53) 3-Nitroaniline	9.745	138	180078	26.634	ng	# 13
56) 4-Nitrophenol	9.745	139	15521	2.909	ng	# 40
57) 2,4-Dinitrotoluene	9.869	165	68074	9.858	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.657	198	709	8.477	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	19904	2.165	ng	# 1
73) Carbazole	11.816	167	1829464	47.990	ng	# 63

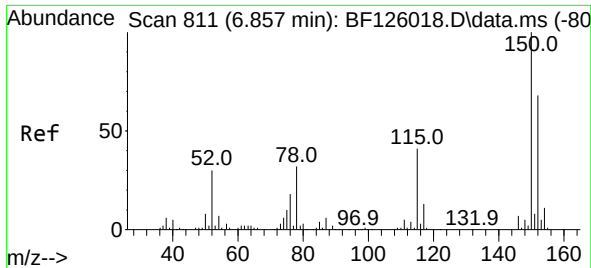
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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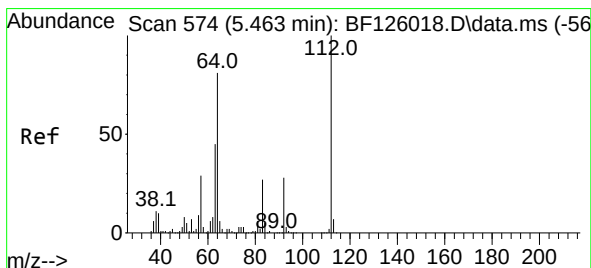
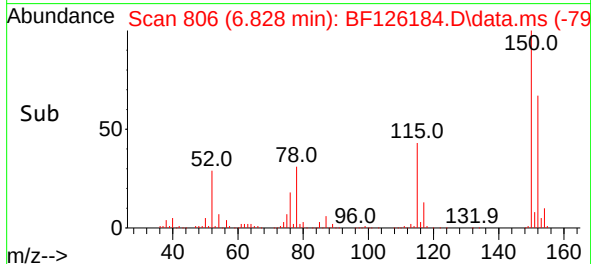
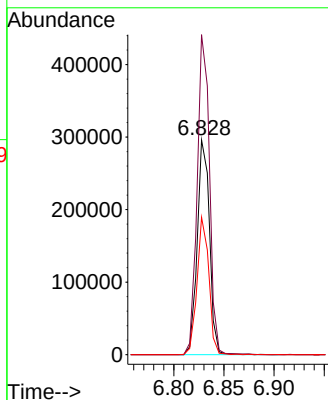
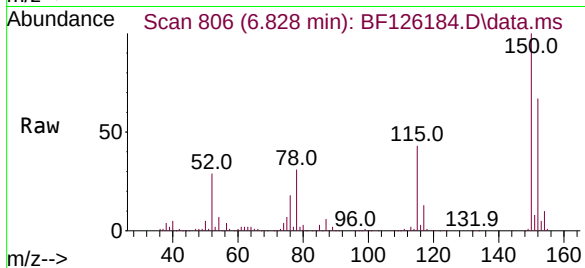




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

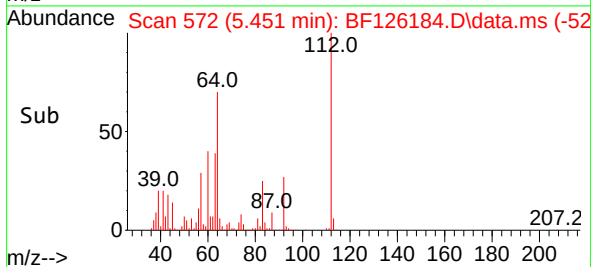
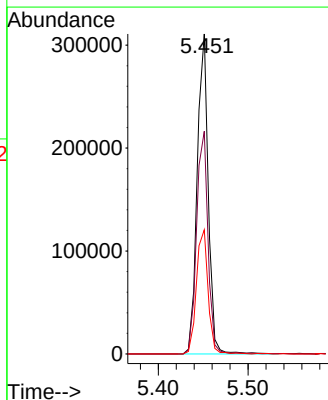
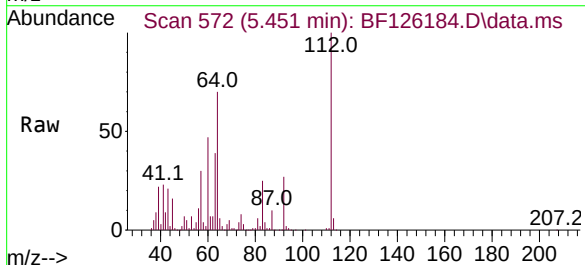
Instrument :
BNA_F
ClientSampleId :
MBR1

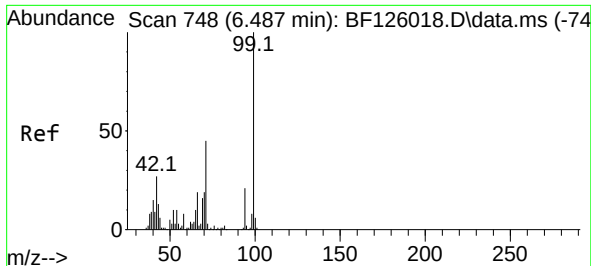
Tgt Ion:152 Resp: 253516
Ion Ratio Lower Upper
152 100
150 149.0 117.6 176.4
115 64.0 47.1 70.7



#5
2-Fluorophenol
Concen: 18.028 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

Tgt Ion:112 Resp: 266147
Ion Ratio Lower Upper
112 100
64 69.6 44.2 66.2#
63 38.8 26.2 39.2





#7

Phenol-d6

Concen: 16.653 ng

RT: 6.457 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF126184.D

Acq: 13 Nov 2021 23:41

Instrument :

BNA_F

ClientSampleId :

MBR1

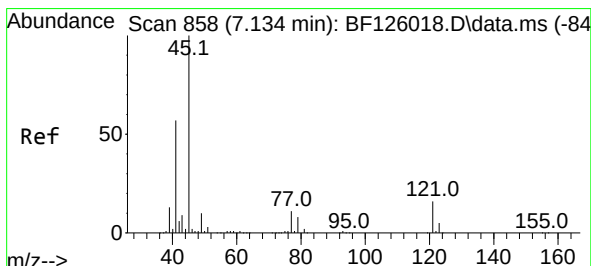
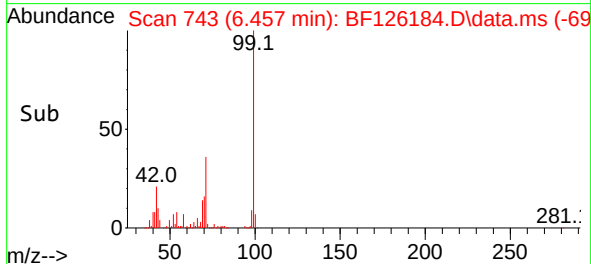
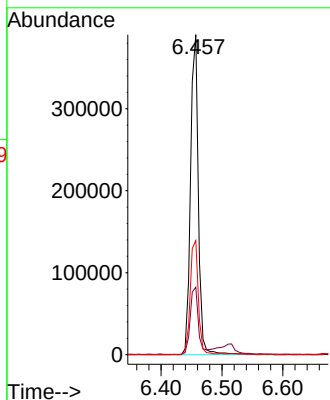
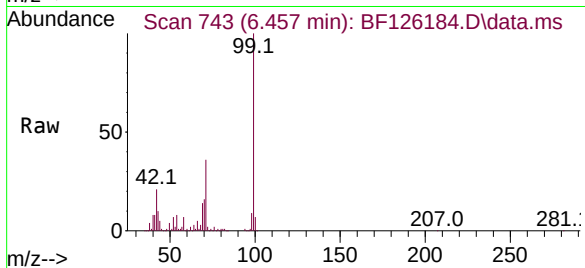
Tgt Ion: 99 Resp: 346548

Ion Ratio Lower Upper

99 100

42 21.1 23.5 35.3#

71 35.7 25.6 38.4



#16

2,2'-oxybis(1-Chloropropane)

Concen: 4.465 ng

RT: 7.145 min Scan# 860

Delta R.T. 0.035 min

Lab File: BF126184.D

Acq: 13 Nov 2021 23:41

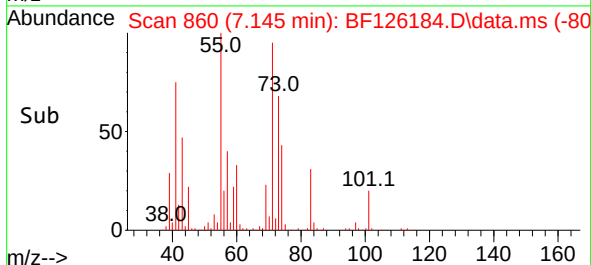
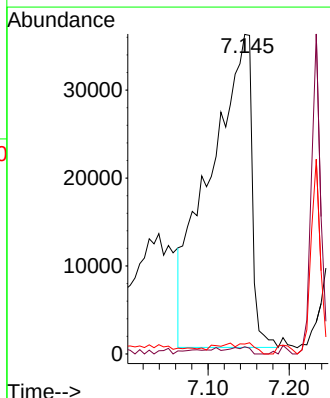
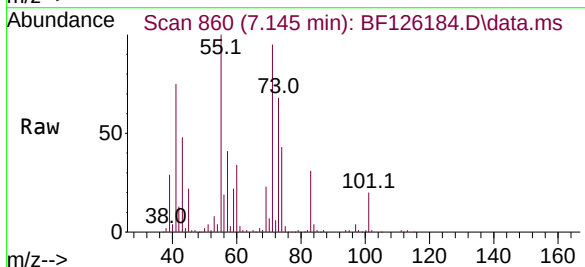
Tgt Ion: 45 Resp: 127257

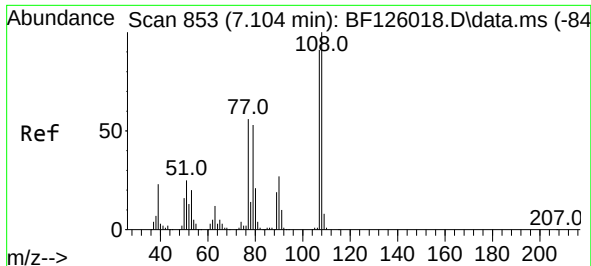
Ion Ratio Lower Upper

45 100

77 2.3 0.0 30.6

79 3.1 0.0 27.5

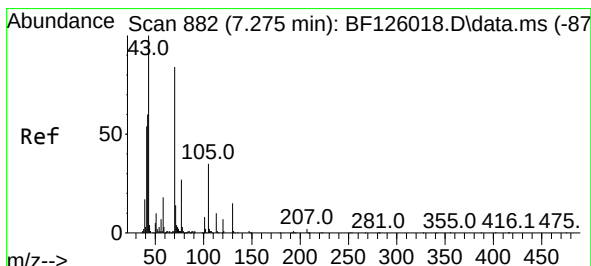
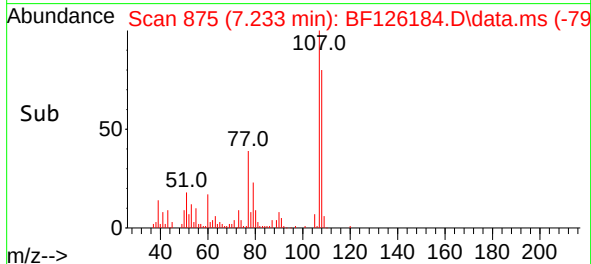
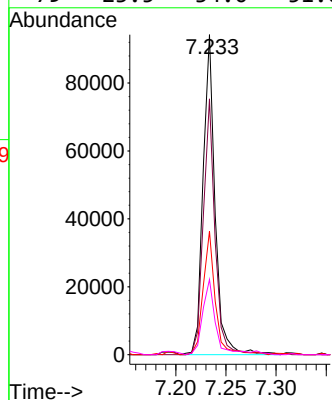
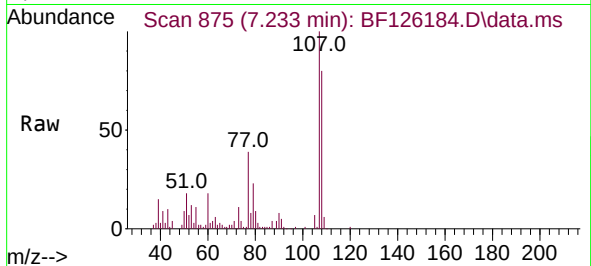




#17
2-Methylphenol
Concen: 5.879 ng
RT: 7.233 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

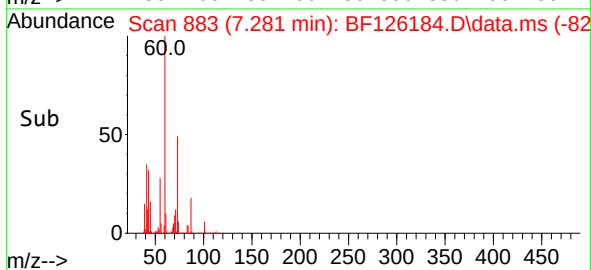
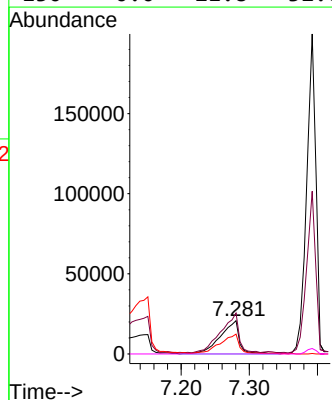
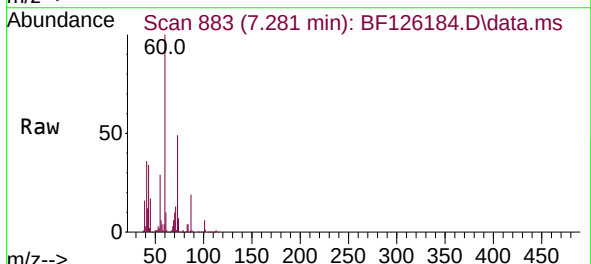
Instrument :
BNA_F
ClientSampleId :
MBR1

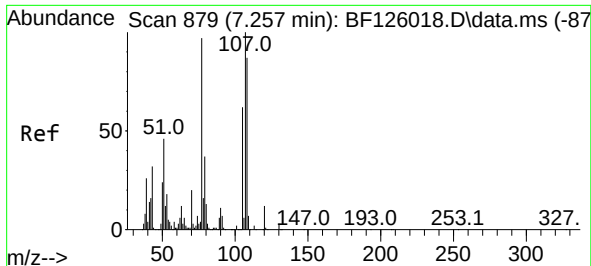
Tgt Ion:107 Resp: 78927
Ion Ratio Lower Upper
107 100
108 79.9 90.6 135.8#
77 38.6 35.7 53.5
79 23.5 34.0 51.0#



#19
n-Nitroso-di-n-propylamine
Concen: 3.003 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.029 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

Tgt Ion: 70 Resp: 41202
Ion Ratio Lower Upper
70 100
42 123.2 72.2 108.2#
101 59.3 7.8 11.8#
130 0.0 21.8 32.6#

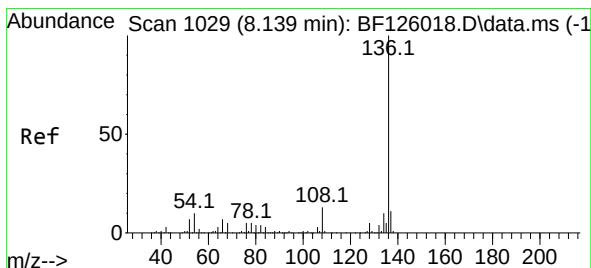
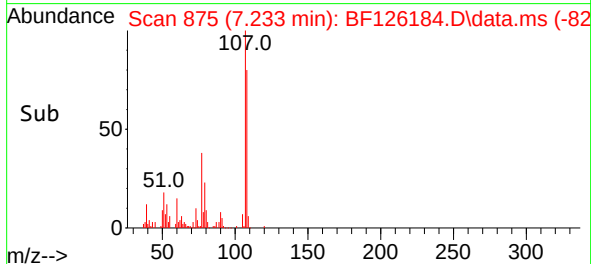
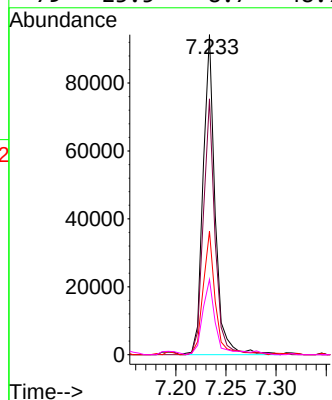
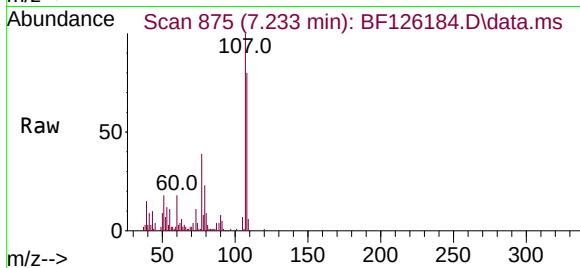




#20
3+4-Methylphenols
Concen: 4.349 ng
RT: 7.233 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

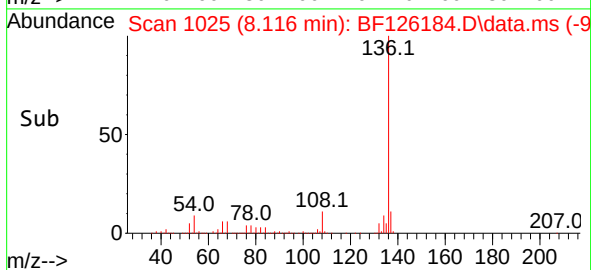
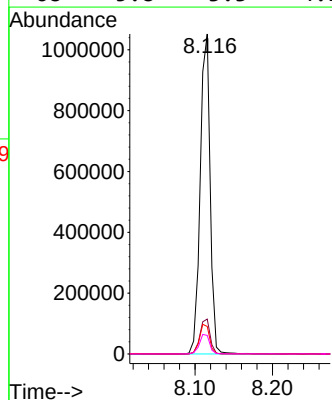
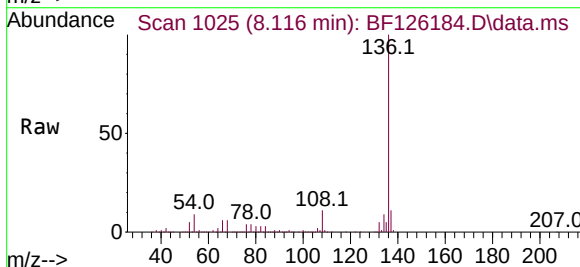
Instrument :
BNA_F
ClientSampleId :
MBR1

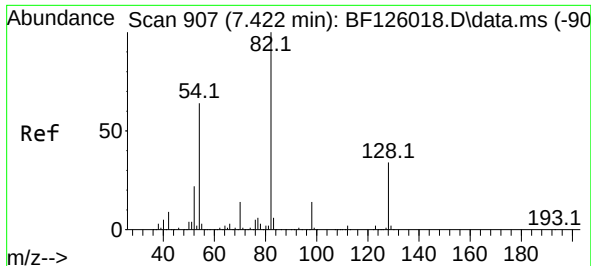
Tgt Ion:	107	Resp:	78927
Ion	Ratio	Lower	Upper
107	100		
108	79.9	76.6	116.6
77	38.6	53.3	93.3#
79	23.5	8.7	48.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

Tgt Ion:	136	Resp:	934330
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.8	14.6
54	8.6	6.4	9.6
68	5.8	3.3	4.9#





#23

Nitrobenzene-d5

Concen: 68.366 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF126184.D

Acq: 13 Nov 2021 23:41

Instrument :

BNA_F

ClientSampleId :

MBR1

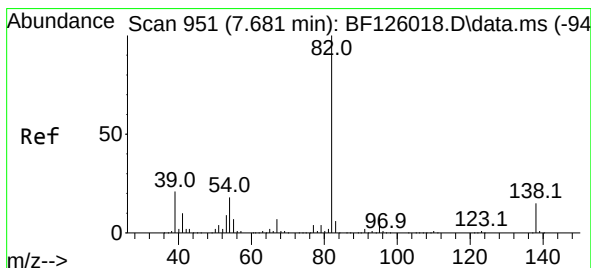
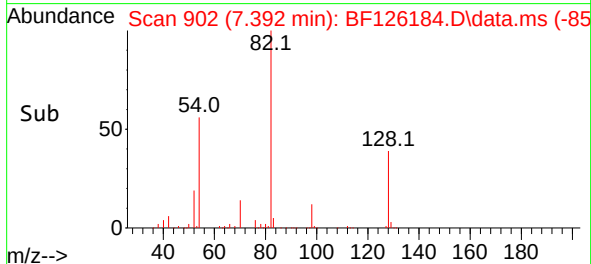
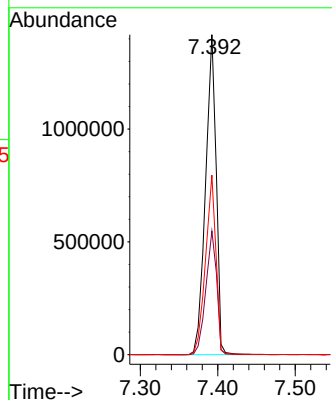
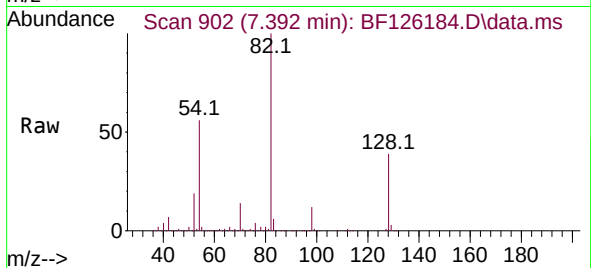
Tgt Ion: 82 Resp: 1354454

Ion Ratio Lower Upper

82 100

128 38.7 40.6 60.8#

54 56.1 49.6 74.4



#25

Isophorone

Concen: 37.850 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF126184.D

Acq: 13 Nov 2021 23:41

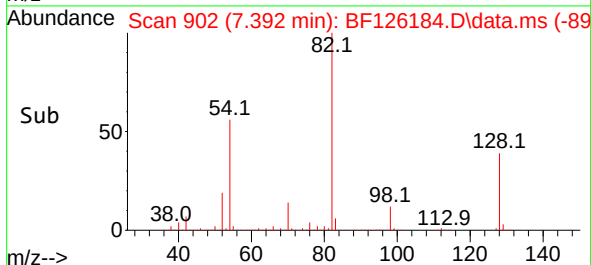
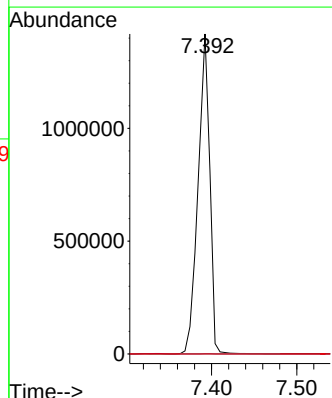
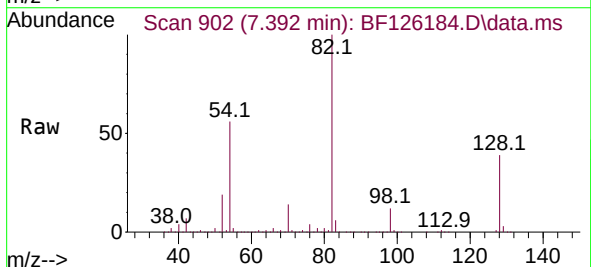
Tgt Ion: 82 Resp: 1350105

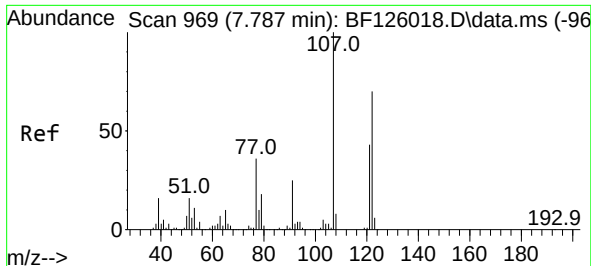
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

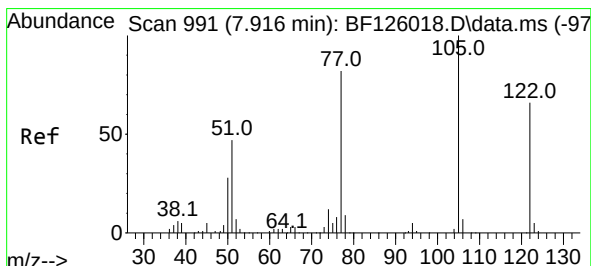
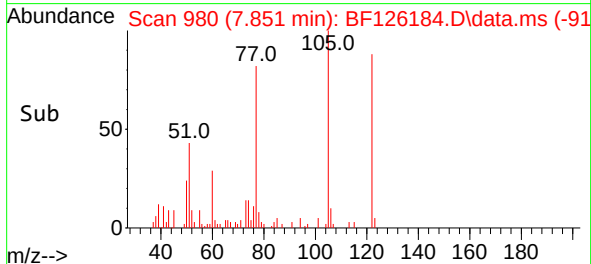
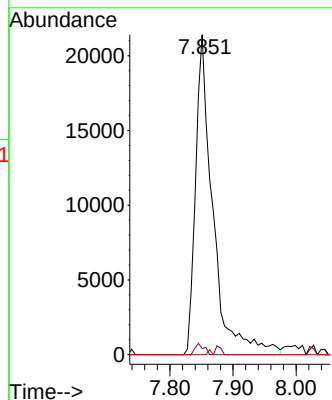
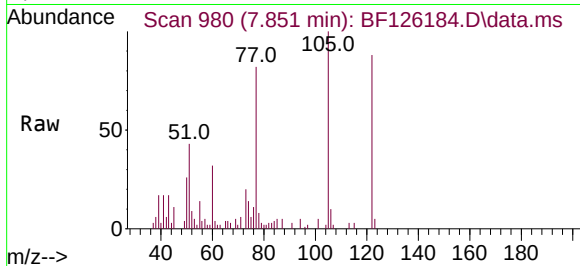




#27
2,4-Dimethylphenol
Concen: 3.144 ng
RT: 7.851 min Scan# 91
Delta R.T. 0.082 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

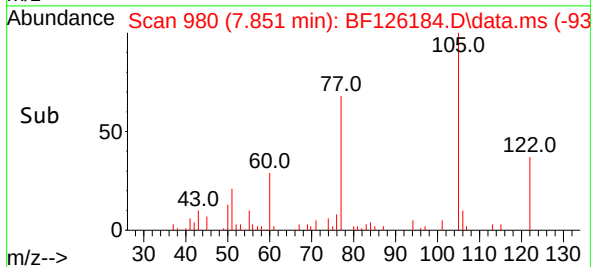
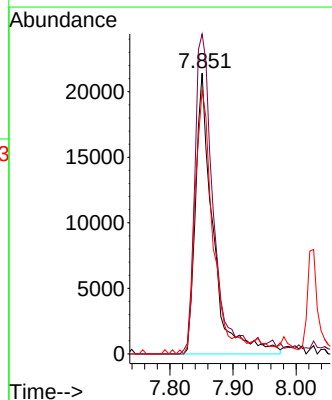
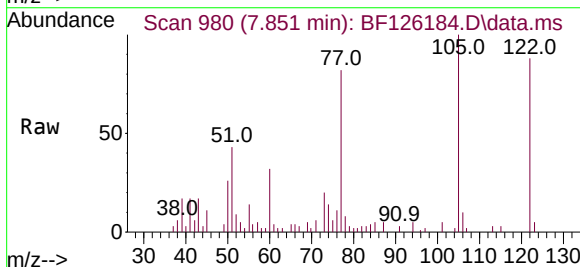
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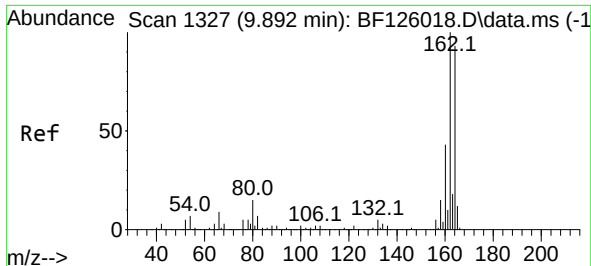
Tgt Ion:122 Resp: 40892
Ion Ratio Lower Upper
122 100
107 2.0 85.0 127.6#
121 0.0 43.3 64.9#



#32
Benzoic acid
Concen: 13.246 ng
RT: 7.851 min Scan# 980
Delta R.T. -0.047 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

Tgt Ion:122 Resp: 40892
Ion Ratio Lower Upper
122 100
105 114.0 97.6 137.6
77 93.9 59.6 99.6

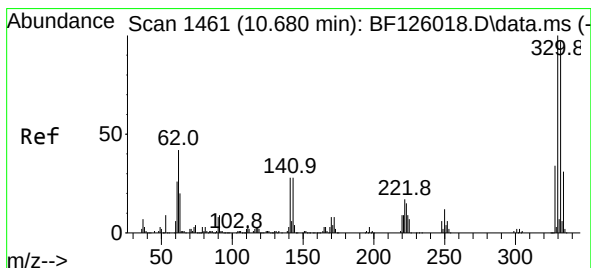
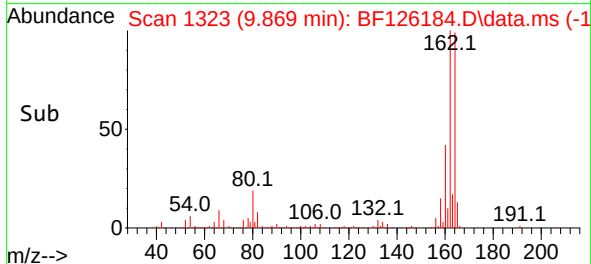
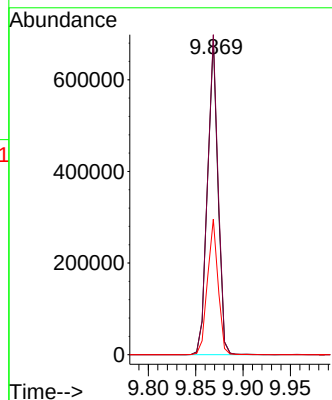
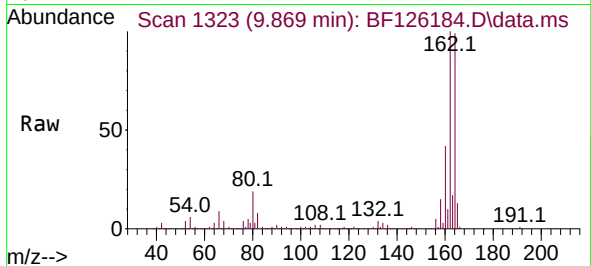




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

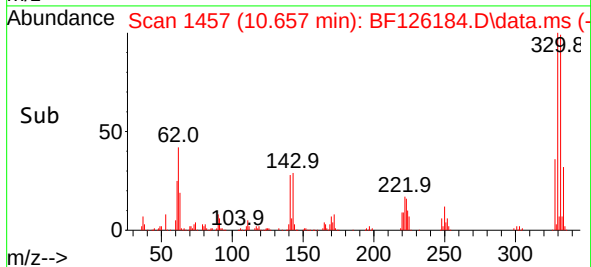
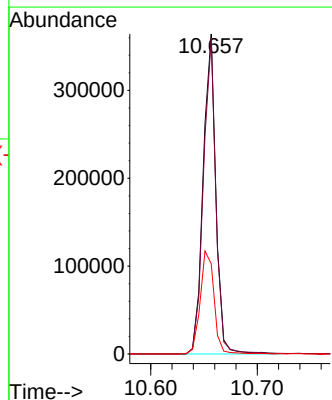
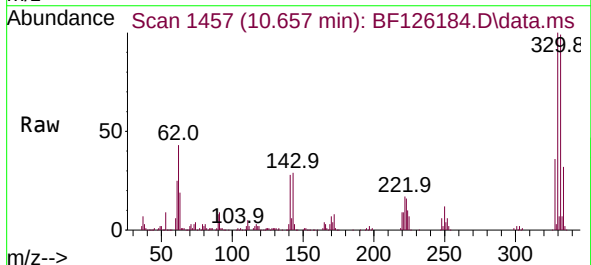
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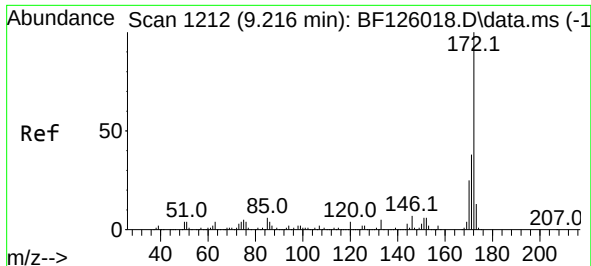
Tgt Ion:164 Resp: 528514
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 42.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 49.980 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

Tgt Ion:330 Resp: 302721
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 35.1 44.6 66.8#

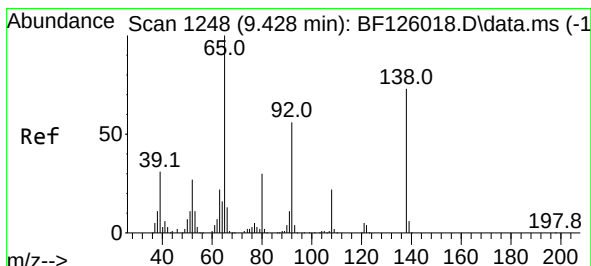
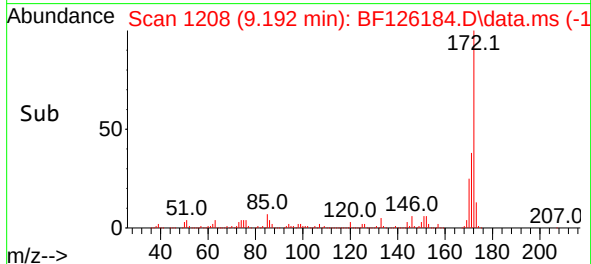
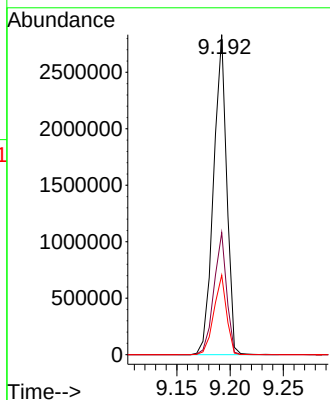
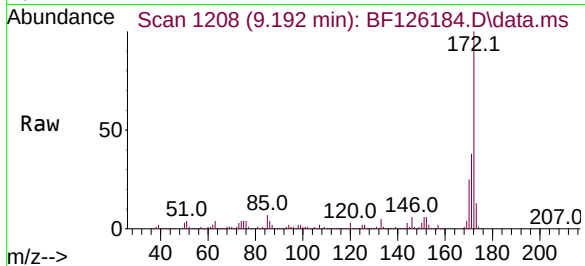




#45
2-Fluorobiphenyl
Concen: 62.461 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

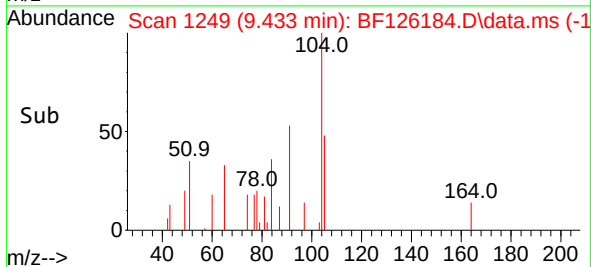
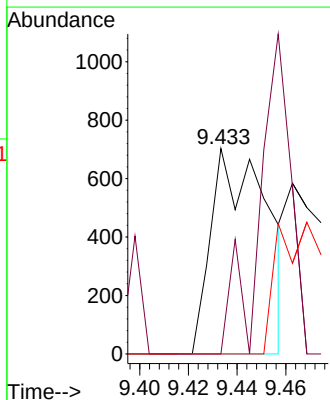
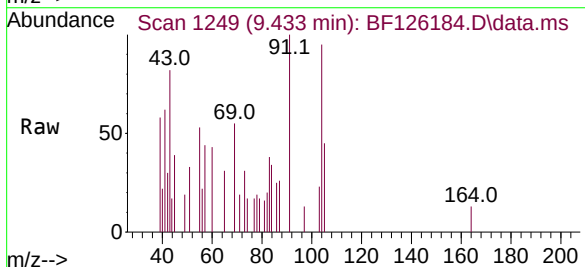
Instrument :
BNA_F
ClientSampleId :
MBR1

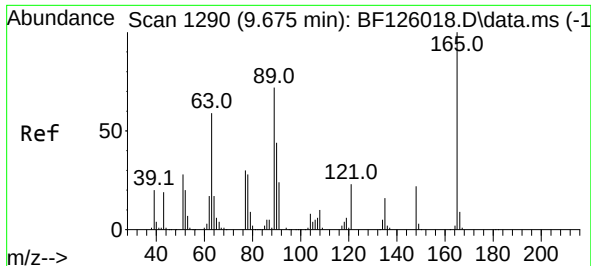
Tgt Ion:172 Resp: 2442840
Ion Ratio Lower Upper
172 100
171 38.1 26.5 39.7
170 24.9 18.8 28.2



#48
2-Nitroaniline
Concen: 2.948 ng
RT: 9.433 min Scan# 1249
Delta R.T. 0.017 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

Tgt Ion: 65 Resp: 1108
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#





#51

2,6-Dinitrotoluene

Concen: 10.321 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF126184.D

Acq: 13 Nov 2021 23:41

Instrument :

BNA_F

ClientSampleId :

MBR1

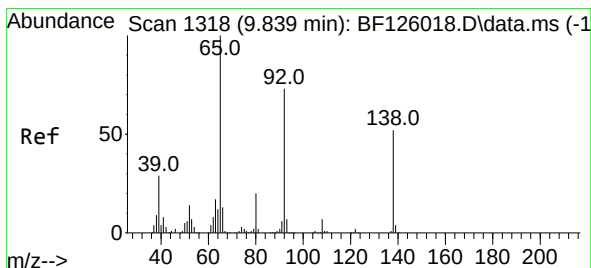
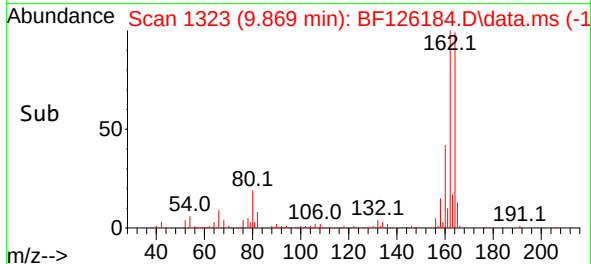
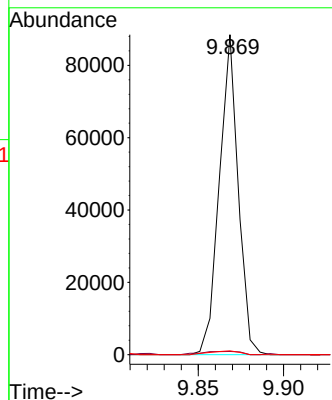
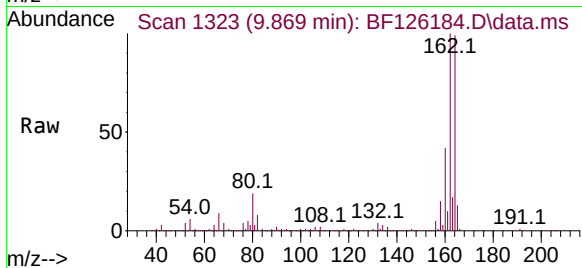
Tgt Ion:165 Resp: 68074

Ion Ratio Lower Upper

165 100

63 1.0 42.6 63.8#

89 1.2 40.6 60.8#



#53

3-Nitroaniline

Concen: 26.634 ng

RT: 9.745 min Scan# 1302

Delta R.T. -0.083 min

Lab File: BF126184.D

Acq: 13 Nov 2021 23:41

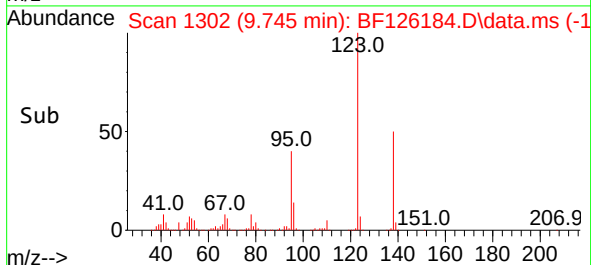
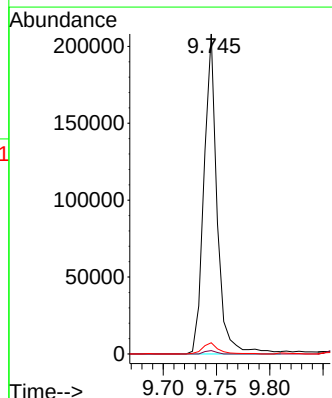
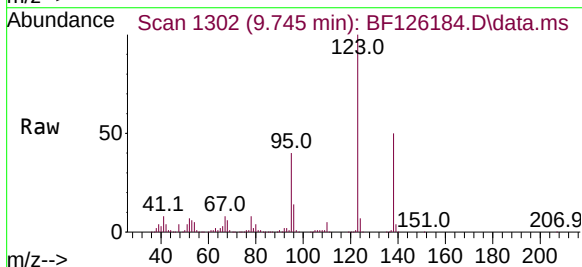
Tgt Ion:138 Resp: 180078

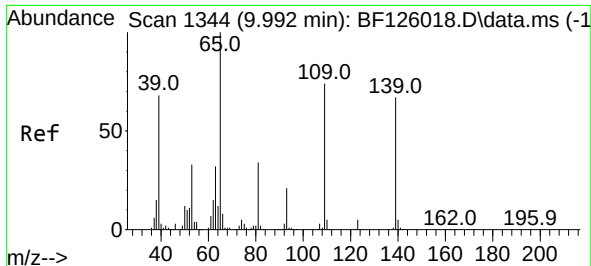
Ion Ratio Lower Upper

138 100

108 1.1 9.3 13.9#

92 3.5 76.5 114.7#

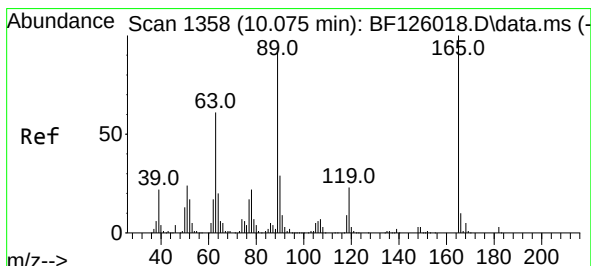
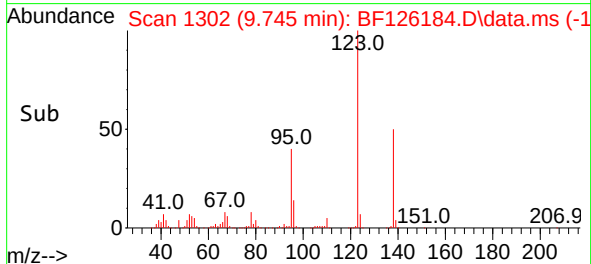
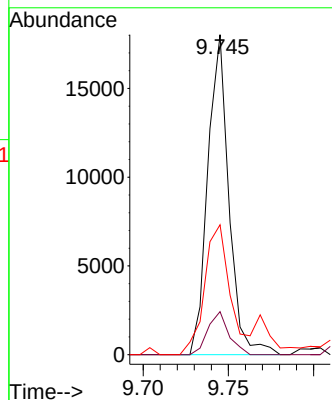
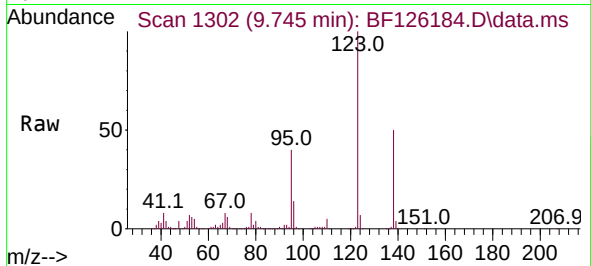




#56
4-Nitrophenol
Concen: 2.909 ng
RT: 9.745 min Scan# 11
Delta R.T. -0.241 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

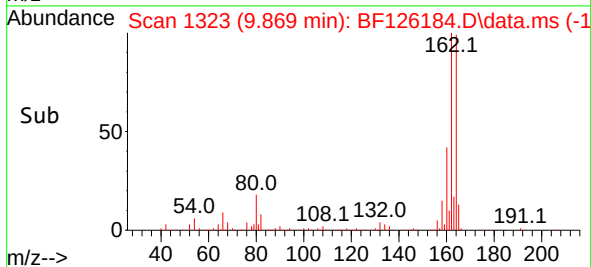
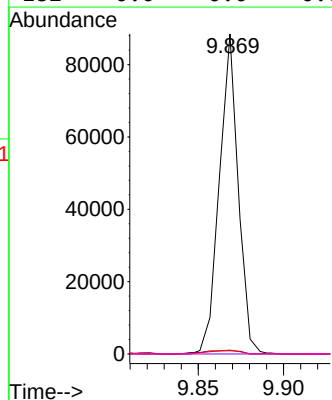
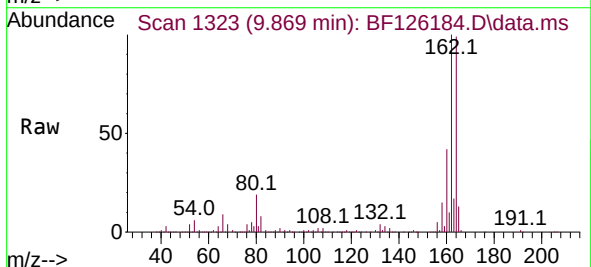
Instrument :
BNA_F
ClientSampleId :
MBR1

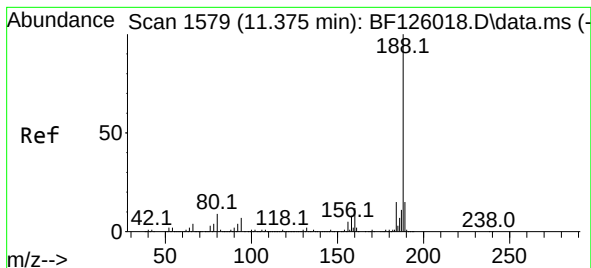
Tgt Ion:139 Resp: 15521
Ion Ratio Lower Upper
139 100
109 13.4 60.4 100.4#
65 40.6 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 9.858 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

Tgt Ion:165 Resp: 68074
Ion Ratio Lower Upper
165 100
63 1.0 40.9 61.3#
89 1.2 59.7 89.5#
182 0.0 0.0 0.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF126184.D

Acq: 13 Nov 2021 23:41

Instrument :

BNA_F

ClientSampleId :

MBR1

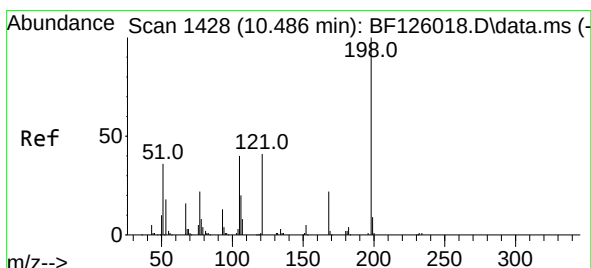
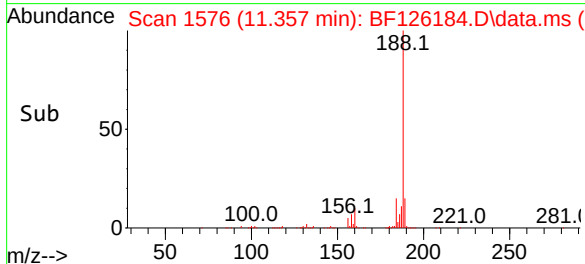
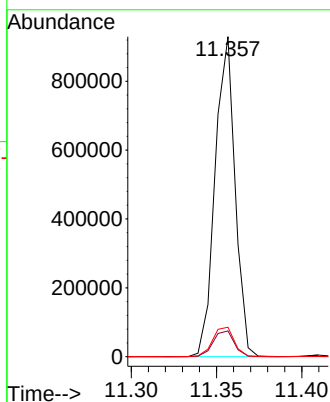
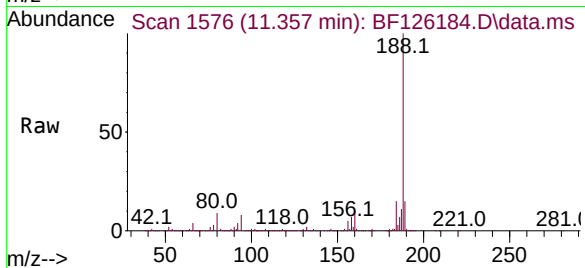
Tgt Ion:188 Resp: 759170

Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 9.2 7.5 11.3



#65

4,6-Dinitro-2-methylphenol

Concen: 8.477 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF126184.D

Acq: 13 Nov 2021 23:41

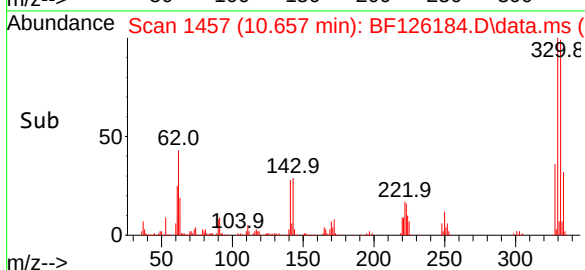
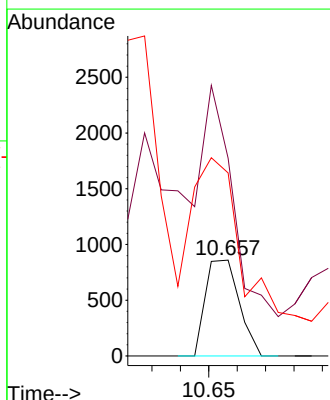
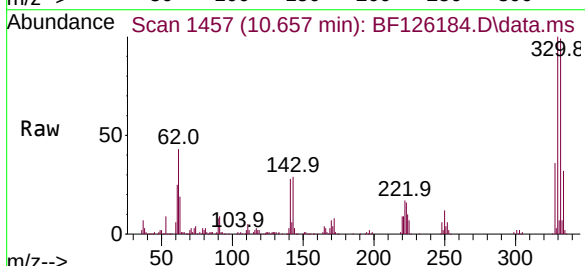
Tgt Ion:198 Resp: 709

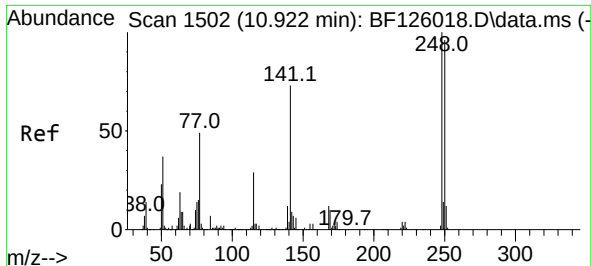
Ion Ratio Lower Upper

198 100

51 206.3 45.3 85.3#

105 191.0 30.6 70.6#

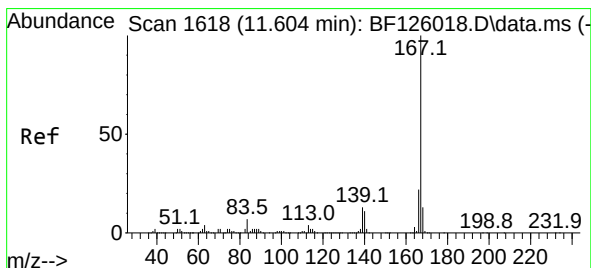
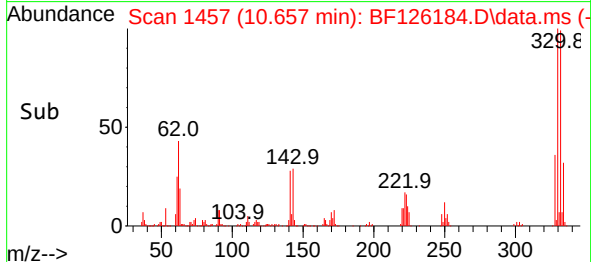
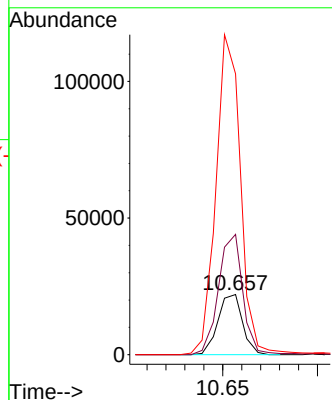
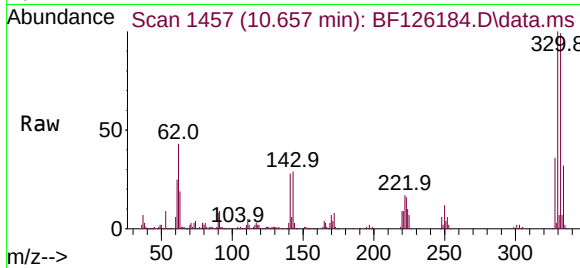




#67
4-Bromophenyl-phenylether
Concen: 2.165 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

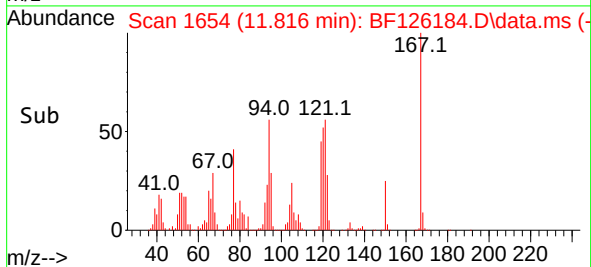
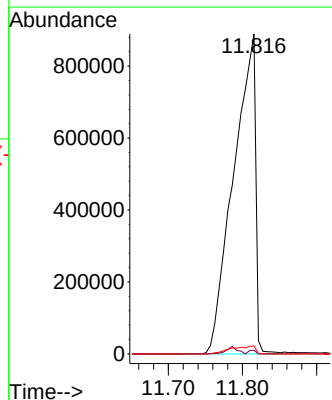
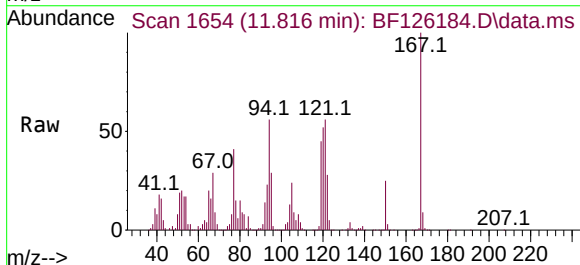
Instrument :
BNA_F
ClientSampleId :
MBR1

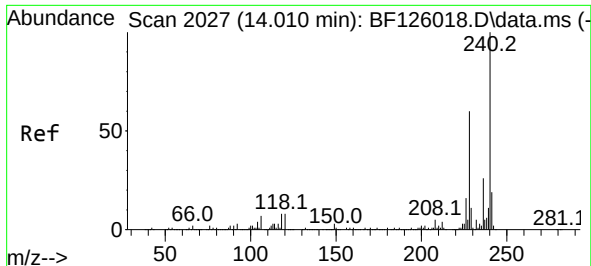
Tgt Ion:248 Resp: 19904
Ion Ratio Lower Upper
248 100
250 200.0 74.2 111.4#
141 467.0 60.4 90.6#



#73
Carbazole
Concen: 47.990 ng
RT: 11.816 min Scan# 1654
Delta R.T. 0.223 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

Tgt Ion:167 Resp: 1829464
Ion Ratio Lower Upper
167 100
166 1.2 17.4 26.0#
139 2.5 11.0 16.4#

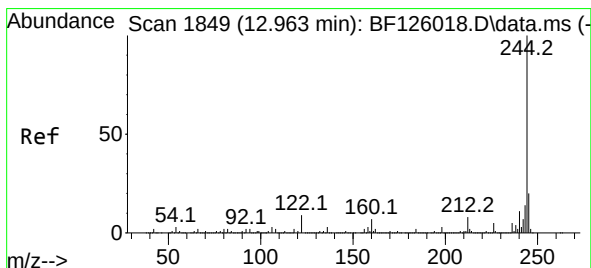
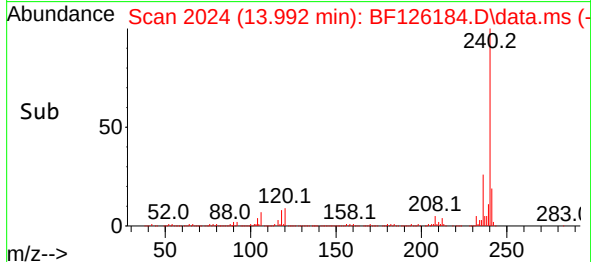
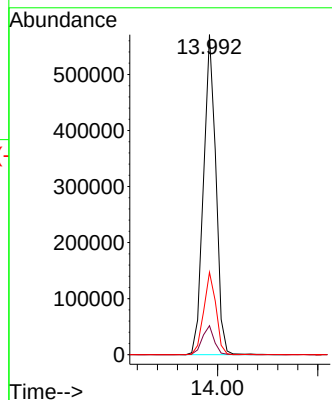
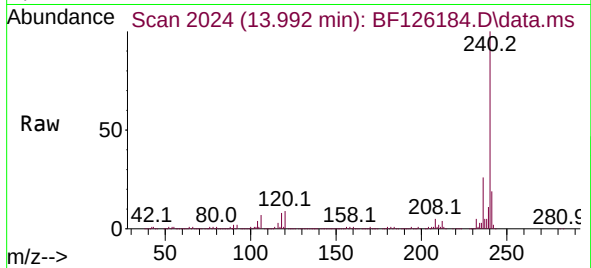




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

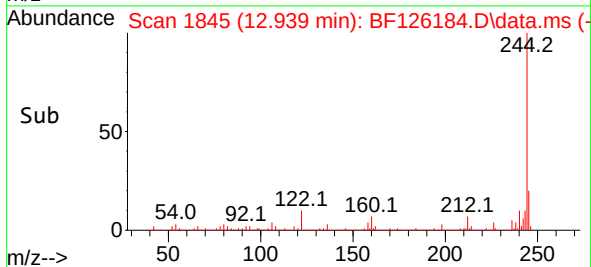
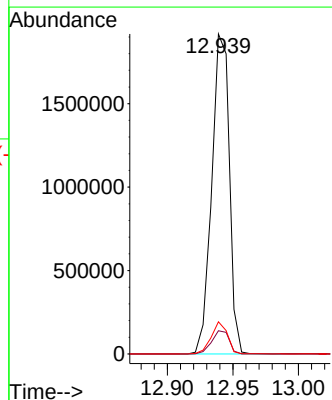
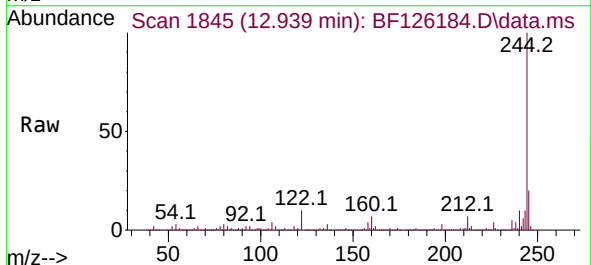
Instrument :
BNA_F
ClientSampleId :
MBR1

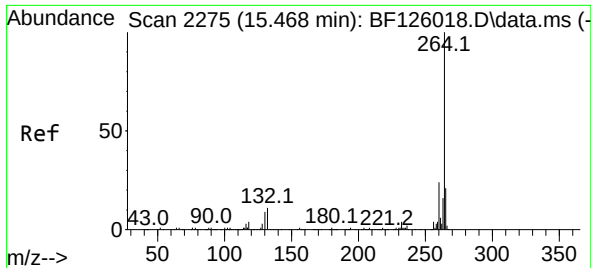
Tgt Ion:240 Resp: 490635
Ion Ratio Lower Upper
240 100
120 9.0 10.8 16.2#
236 25.7 21.6 32.4



#79
Terphenyl-d14
Concen: 58.797 ng
RT: 12.939 min Scan# 1845
Delta R.T. -0.006 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

Tgt Ion:244 Resp: 1788965
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 10.1 9.0 13.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.456 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126184.D
Acq: 13 Nov 2021 23:41

Instrument :
BNA_F
ClientSampleId :
MBR1

Tgt Ion:264 Resp: 570847

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	21.4	17.2	25.8

