

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122021\
 Data File : BF126277.D
 Acq On : 20 Dec 2021 14:33
 Operator : JU/CG
 Sample : M5082-02RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 21 05:09:17 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)

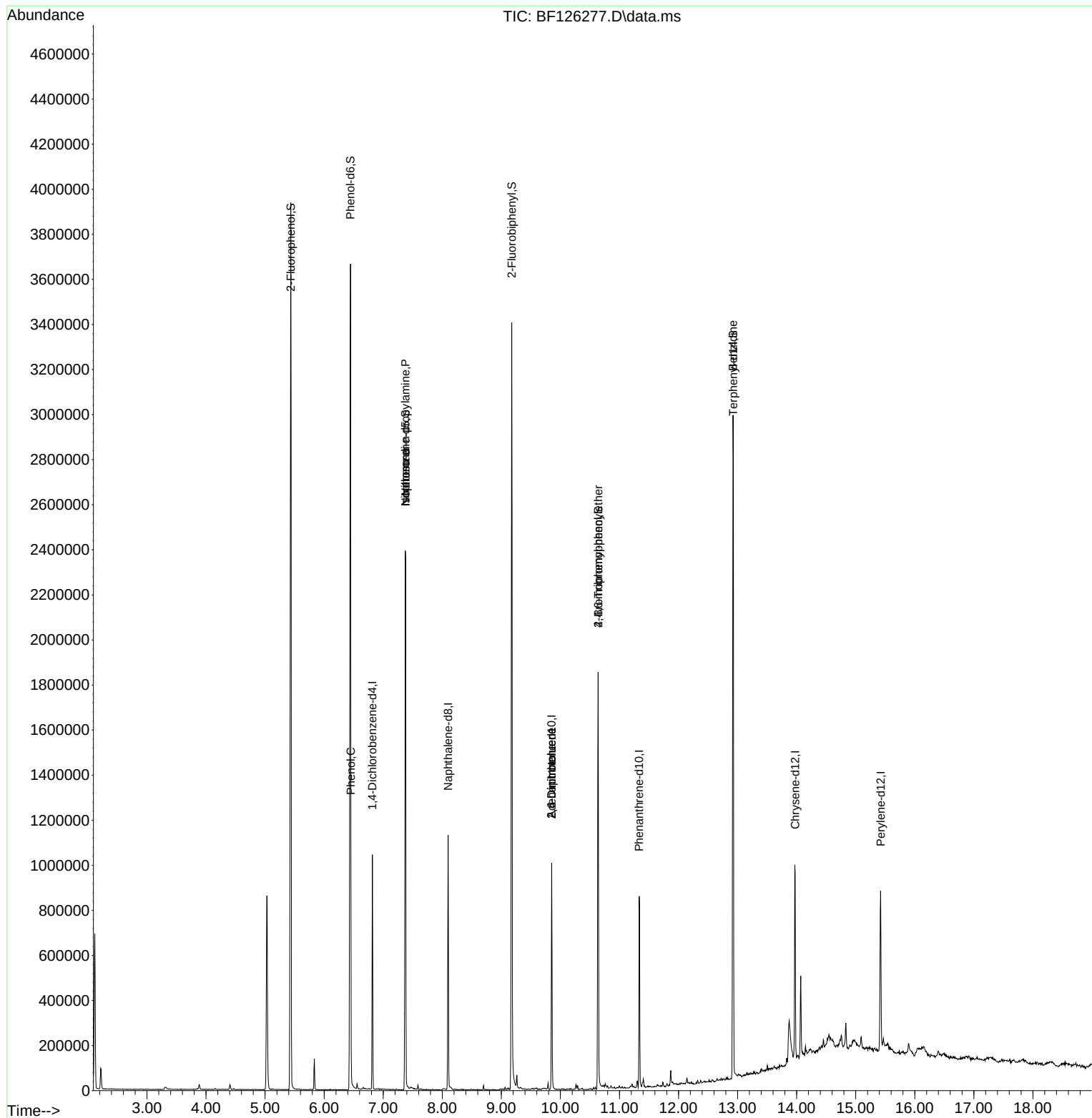
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	133236	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	472340	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	196252	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	307012	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	295031	20.000	ng	0.00
86) Perylene-d12	15.421	264	299895	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1225988	135.508	ng	0.01
7) Phenol-d6	6.445	99	1441103	125.446	ng	0.00
23) Nitrobenzene-d5	7.375	82	909039	104.232	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	215133	136.404	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1128219	100.828	ng	0.00
79) Terphenyl-d14	12.927	244	1045426	61.589	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.451	94	33879	2.627	ng	# 77
19) n-Nitroso-di-n-propyla...	7.375	70	115022	16.310	ng	# 55
25) Isophorone	7.375	82	886212	53.810	ng	# 59
51) 2,6-Dinitrotoluene	9.851	165	23979	8.912	ng	# 27
57) 2,4-Dinitrotoluene	9.851	165	23979	6.986	ng	# 19
67) 4-Bromophenyl-phenylether	10.639	248	11667	4.049	ng	# 1
77) Benzidine	12.922	184	13115	2.820	ng	97

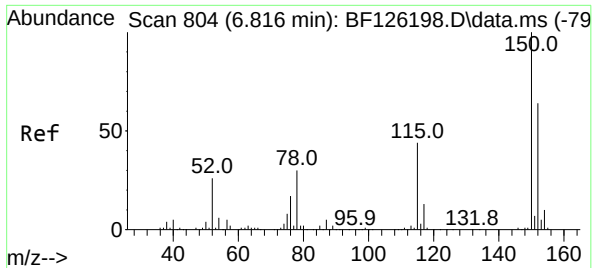
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

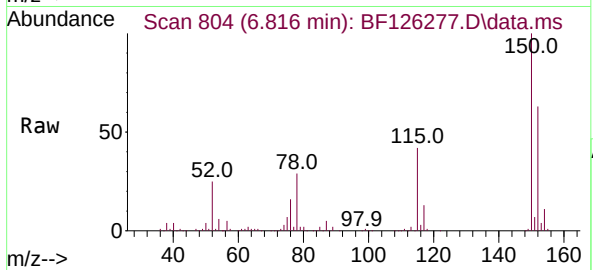
Quant Time: Dec 21 05:09:17 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
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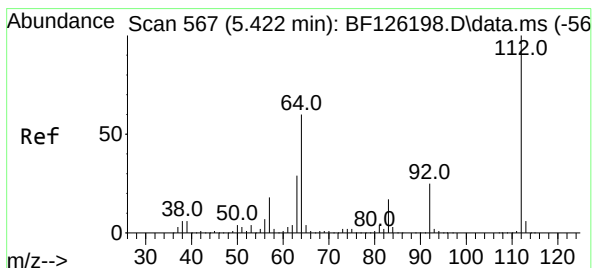
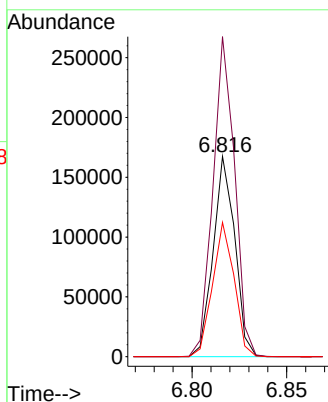
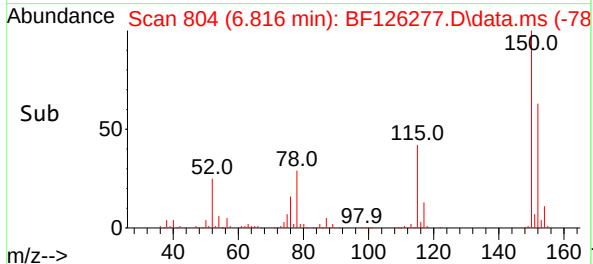


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.816 min Scan# 804
 Delta R.T. 0.000 min
 Lab File: BF126277.D
 Acq: 20 Dec 2021 14:33

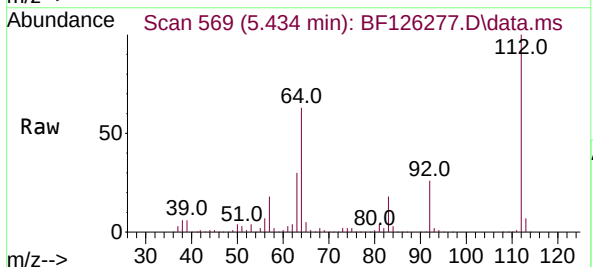
Instrument :
 BNA_F
 ClientSampleId :



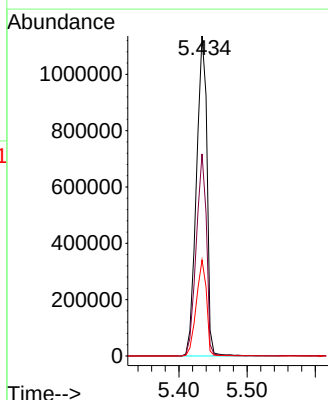
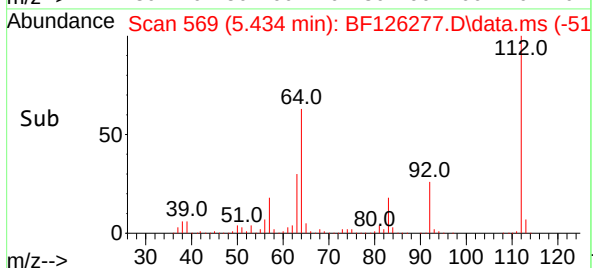
Tgt Ion:152 Resp: 133236
 Ion Ratio Lower Upper
 152 100
 150 159.8 117.6 176.4
 115 67.0 47.1 70.7

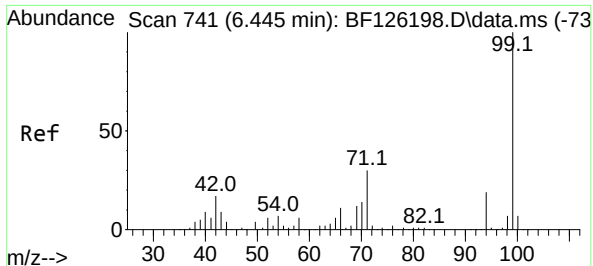


#5
 2-Fluorophenol
 Concen: 135.508 ng
 RT: 5.434 min Scan# 569
 Delta R.T. 0.012 min
 Lab File: BF126277.D
 Acq: 20 Dec 2021 14:33



Tgt Ion:112 Resp: 1225988
 Ion Ratio Lower Upper
 112 100
 64 63.1 44.2 66.2
 63 30.0 26.2 39.2





#7

Phenol-d6

Concen: 125.446 ng

RT: 6.445 min Scan# 741

Delta R.T. 0.000 min

Lab File: BF126277.D

Acq: 20 Dec 2021 14:33

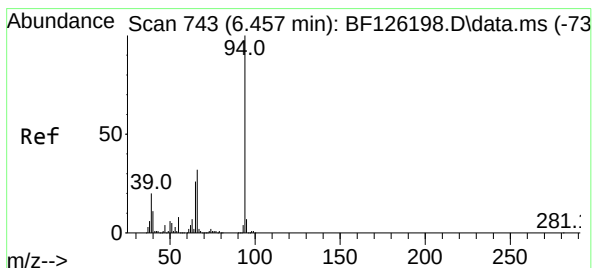
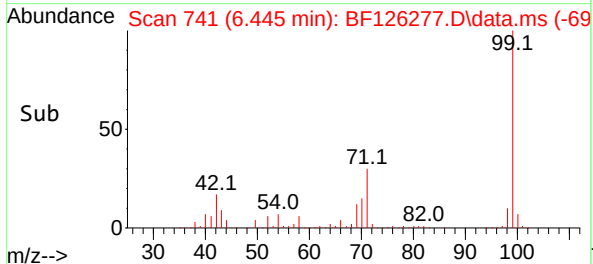
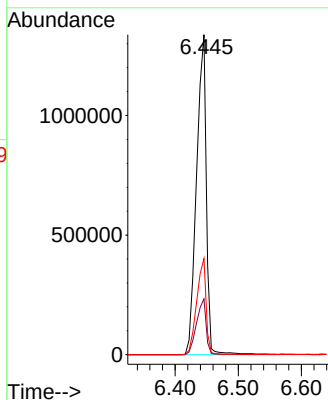
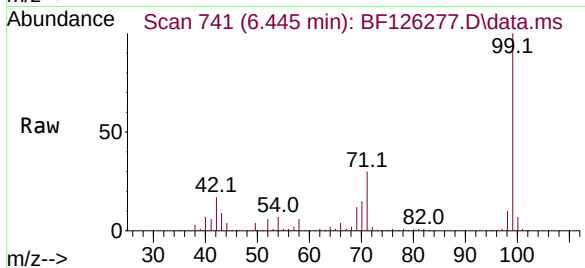
Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 99 Resp: 1441103

Ion	Ratio	Lower	Upper
99	100		
42	17.4	23.5	35.3#
71	30.0	25.6	38.4



#10

Phenol

Concen: 2.627 ng

RT: 6.451 min Scan# 742

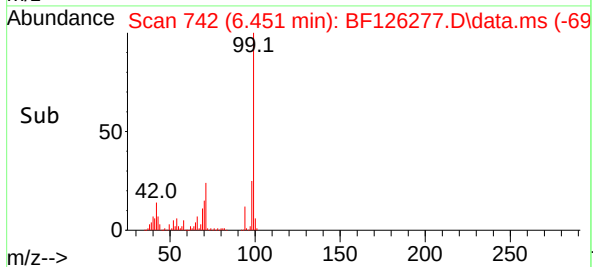
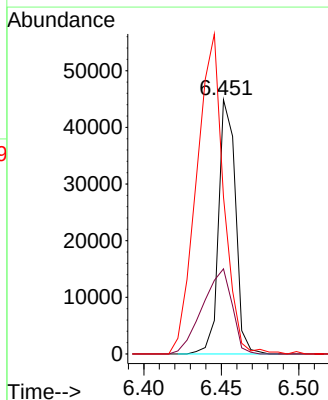
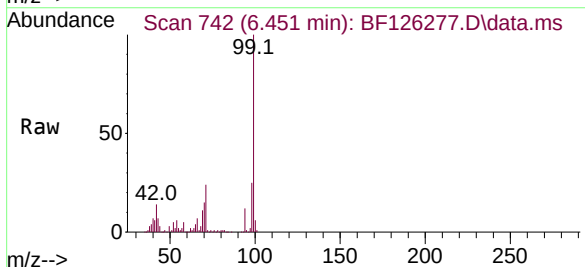
Delta R.T. -0.006 min

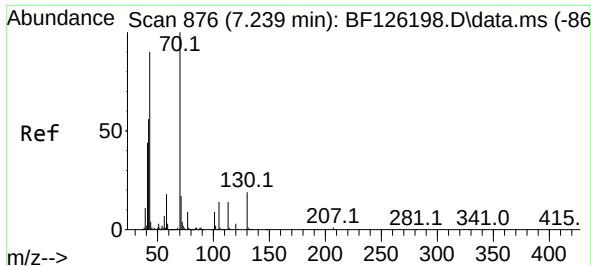
Lab File: BF126277.D

Acq: 20 Dec 2021 14:33

Tgt Ion: 94 Resp: 33879

Ion	Ratio	Lower	Upper
94	100		
65	33.5	9.3	49.3
66	61.8	20.3	60.3#





#19

n-Nitroso-di-n-propylamine

Concen: 16.310 ng

RT: 7.375 min Scan# 899

Delta R.T. 0.136 min

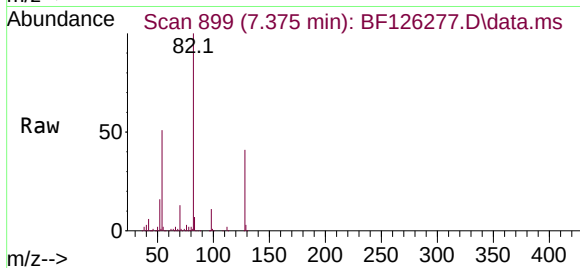
Lab File: BF126277.D

Acq: 20 Dec 2021 14:33

Instrument :

BNA_F

ClientSampleId :



Tgt Ion: 70 Resp: 115022

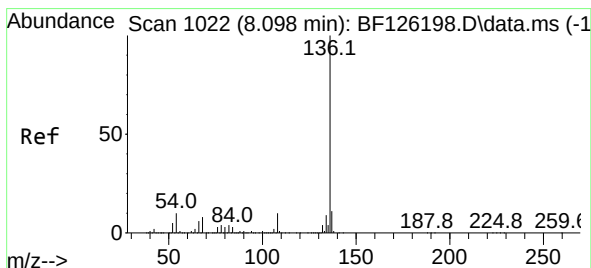
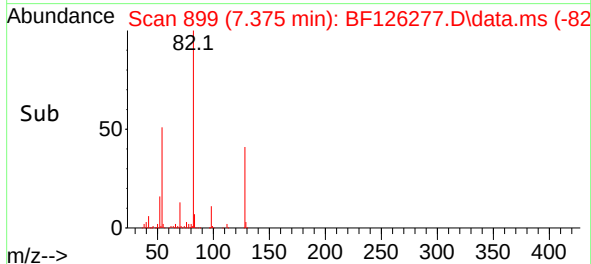
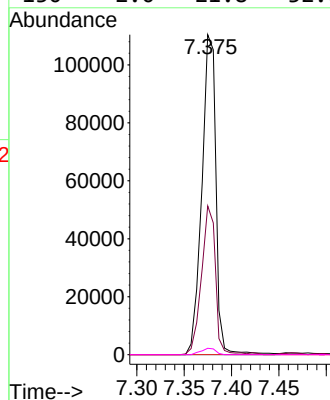
Ion Ratio Lower Upper

70 100

42 46.5 72.2 108.2#

101 0.0 7.8 11.8#

130 2.0 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: BF126277.D

Acq: 20 Dec 2021 14:33

Tgt Ion: 136 Resp: 472340

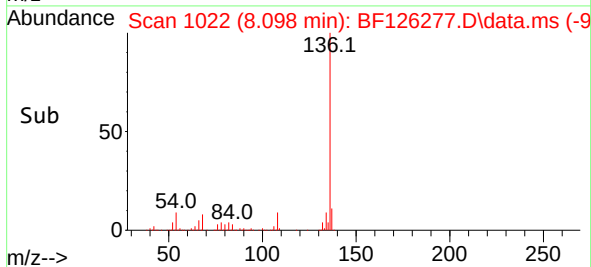
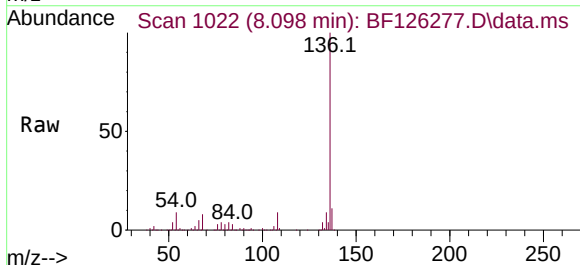
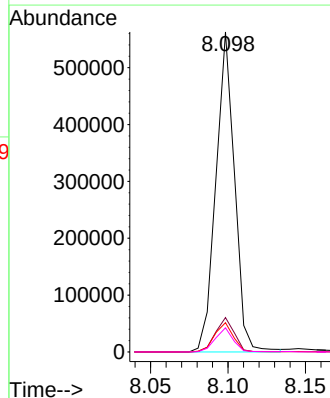
Ion Ratio Lower Upper

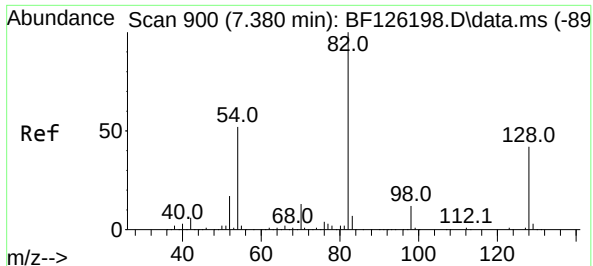
136 100

137 10.8 9.8 14.6

54 9.2 6.4 9.6

68 7.5 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 104.232 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF126277.D

Acq: 20 Dec 2021 14:33

Instrument :

BNA_F

ClientSampleId :

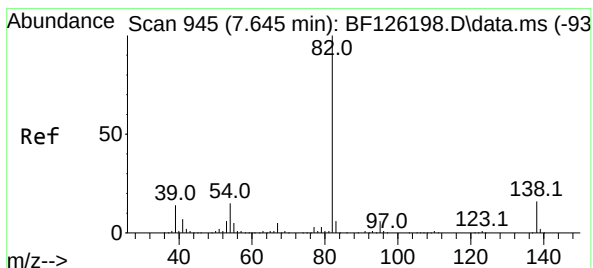
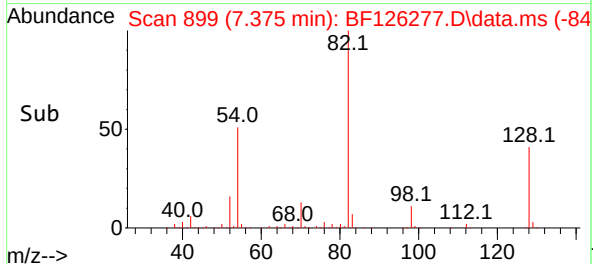
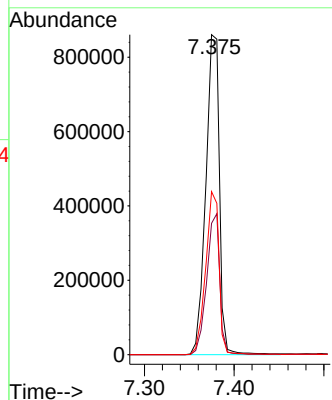
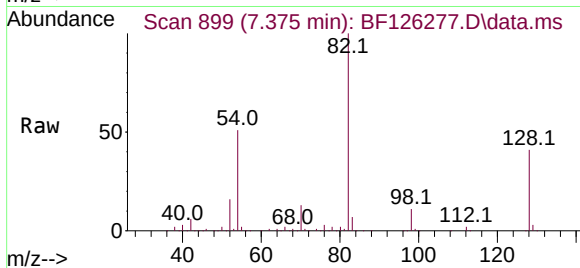
Tgt Ion: 82 Resp: 909039

Ion Ratio Lower Upper

82 100

128 41.0 40.6 60.8

54 50.9 49.6 74.4



#25

Isophorone

Concen: 53.810 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.270 min

Lab File: BF126277.D

Acq: 20 Dec 2021 14:33

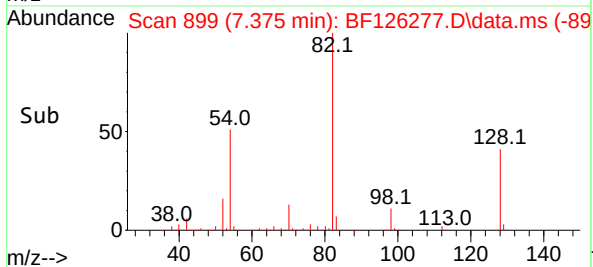
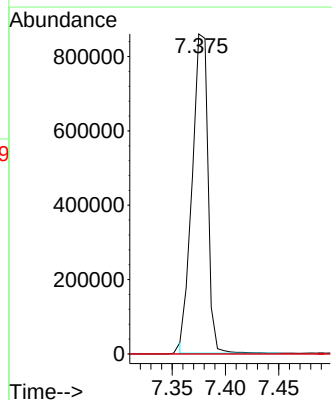
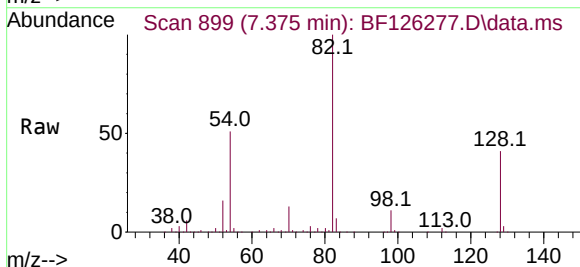
Tgt Ion: 82 Resp: 886212

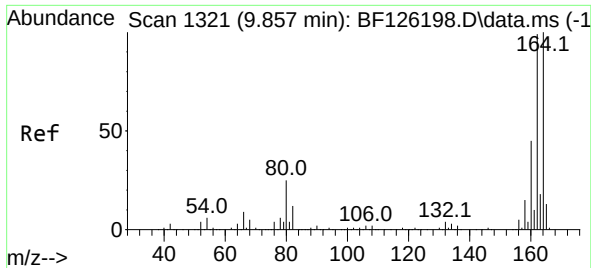
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

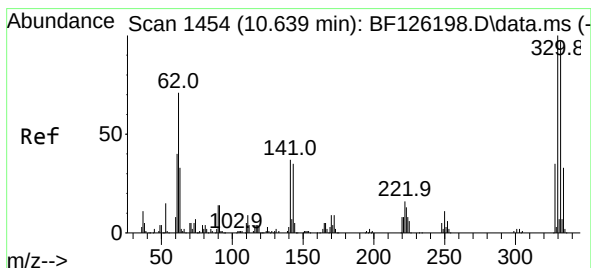
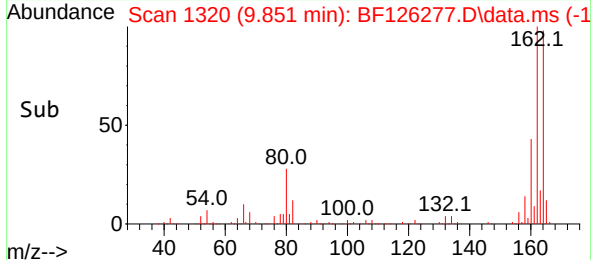
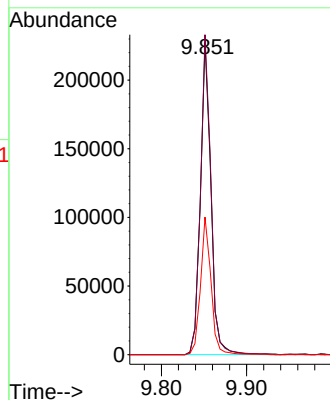
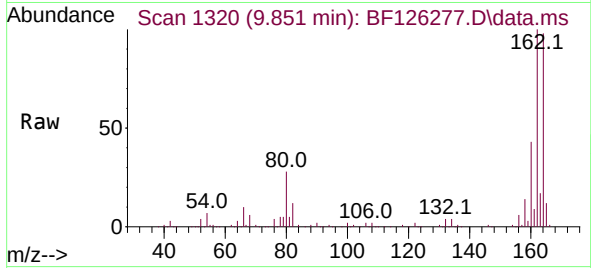




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.851 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF126277.D
 Acq: 20 Dec 2021 14:33

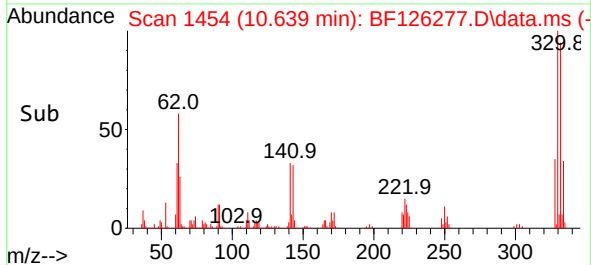
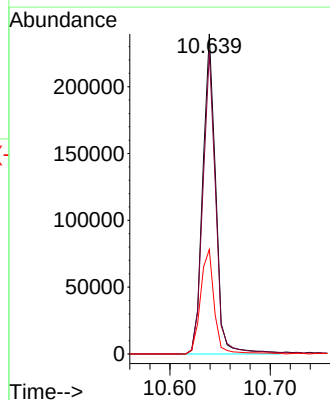
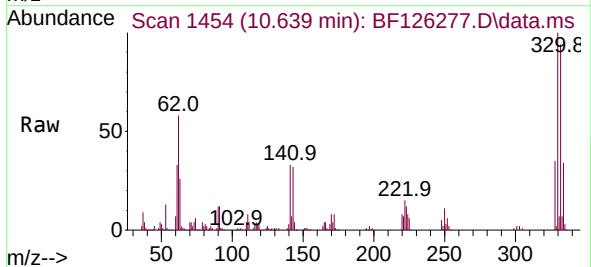
Instrument :
 BNA_F
 ClientSampleId :

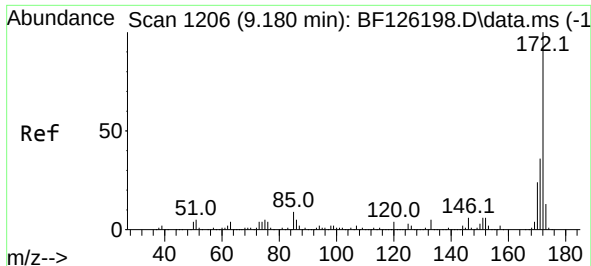
Tgt Ion:164 Resp: 196252
 Ion Ratio Lower Upper
 164 100
 162 102.4 81.3 121.9
 160 44.1 38.0 57.0



#42
 2,4,6-Tribromophenol
 Concen: 136.404 ng
 RT: 10.639 min Scan# 1454
 Delta R.T. 0.000 min
 Lab File: BF126277.D
 Acq: 20 Dec 2021 14:33

Tgt Ion:330 Resp: 215133
 Ion Ratio Lower Upper
 330 100
 332 94.8 76.2 114.4
 141 35.0 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 100.828 ng

RT: 9.175 min Scan# 11

Delta R.T. -0.006 min

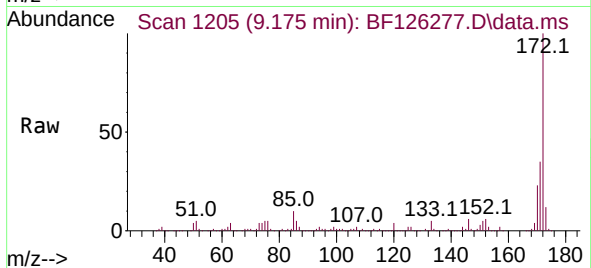
Lab File: BF126277.D

Acq: 20 Dec 2021 14:33

Instrument :

BNA_F

ClientSampleId :



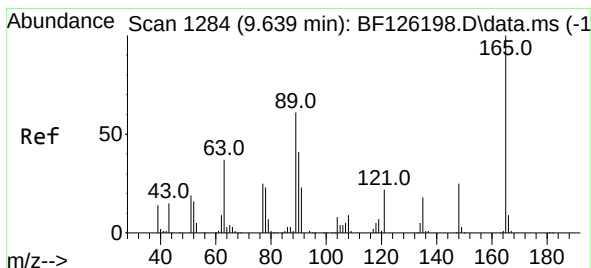
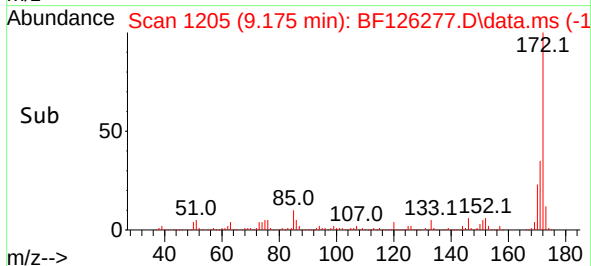
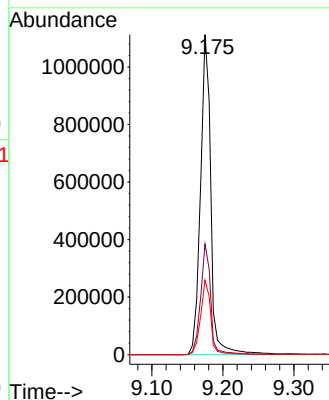
Tgt Ion:172 Resp: 1128219

Ion Ratio Lower Upper

172 100

171 34.6 26.5 39.7

170 23.3 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 8.912 ng

RT: 9.851 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF126277.D

Acq: 20 Dec 2021 14:33

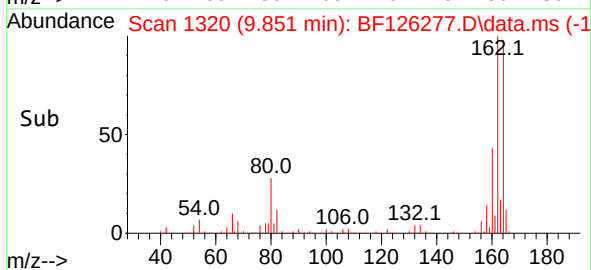
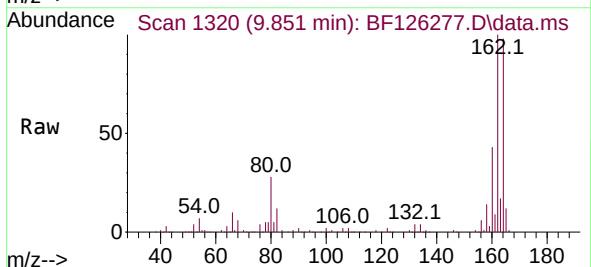
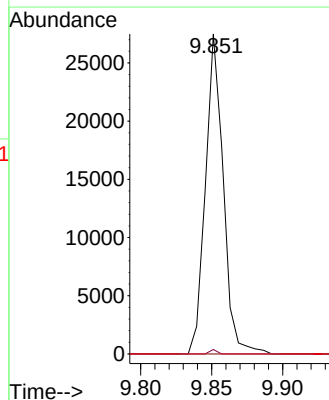
Tgt Ion:165 Resp: 23979

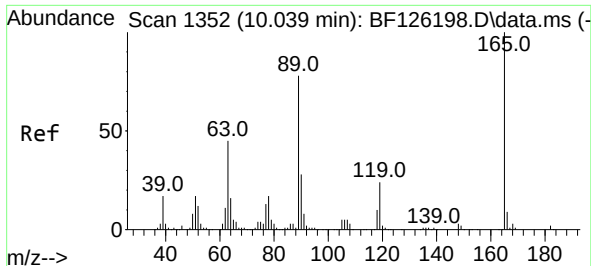
Ion Ratio Lower Upper

165 100

63 1.4 42.6 63.8#

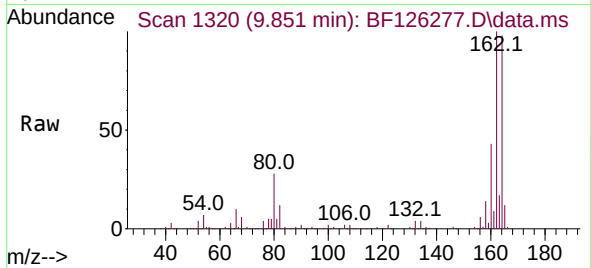
89 0.0 40.6 60.8#



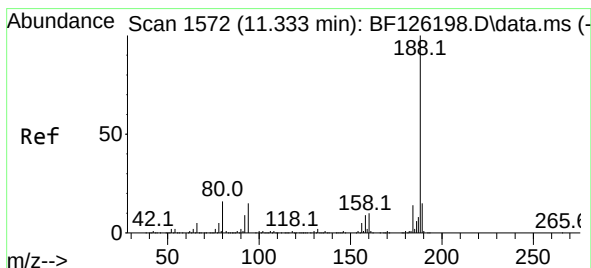
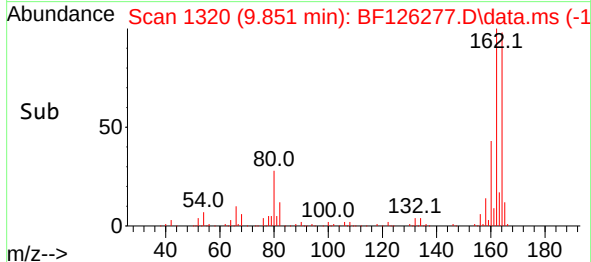
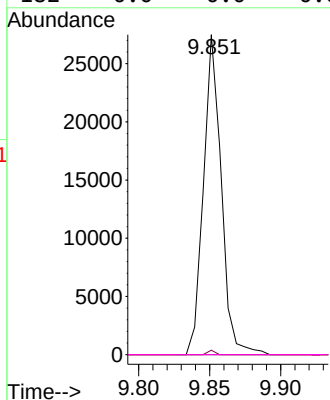


#57
2,4-Dinitrotoluene
Concen: 6.986 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126277.D
Acq: 20 Dec 2021 14:33

Instrument :
BNA_F
ClientSampleId :

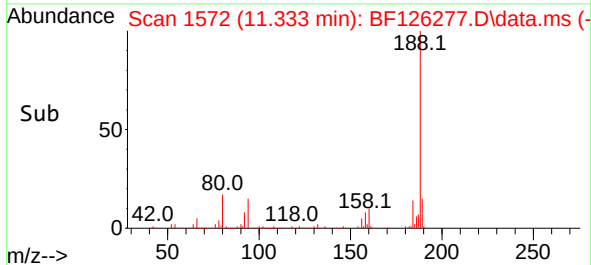
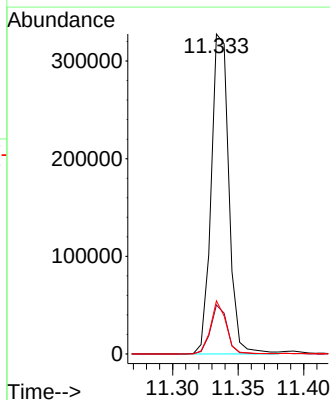
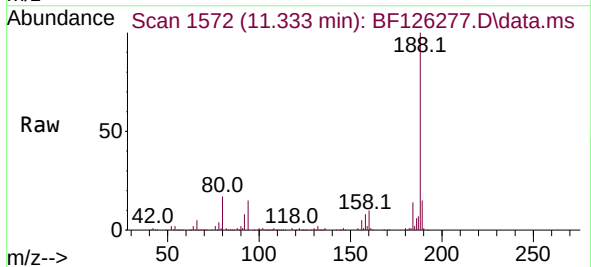


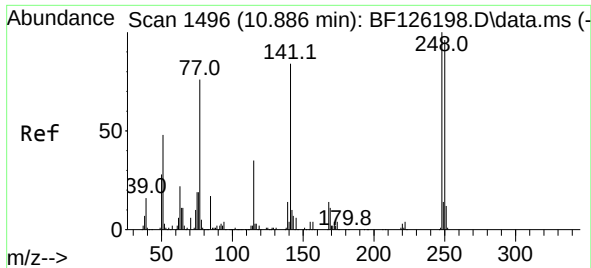
Tgt Ion:165 Resp: 23979
Ion Ratio Lower Upper
165 100
63 1.4 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126277.D
Acq: 20 Dec 2021 14:33

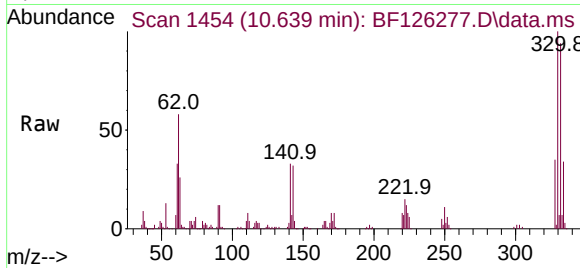
Tgt Ion:188 Resp: 307012
Ion Ratio Lower Upper
188 100
94 15.3 6.7 10.1#
80 16.6 7.5 11.3#



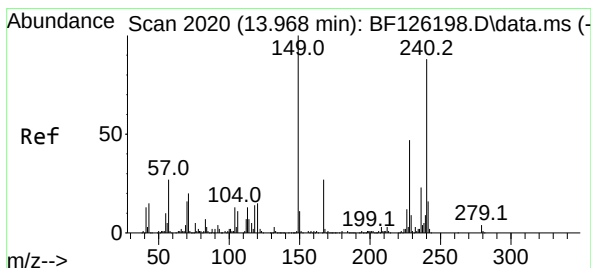
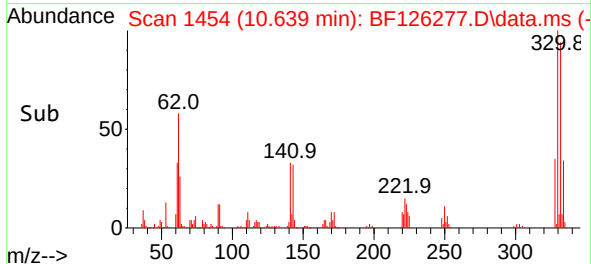
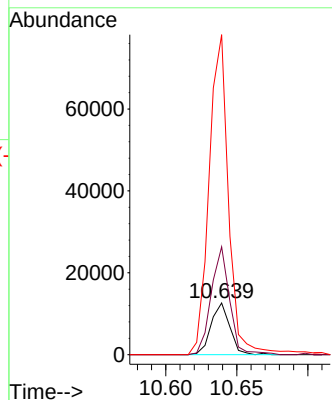


#67
4-Bromophenyl-phenylether
Concen: 4.049 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF126277.D
Acq: 20 Dec 2021 14:33

Instrument :
BNA_F
ClientSampleId :

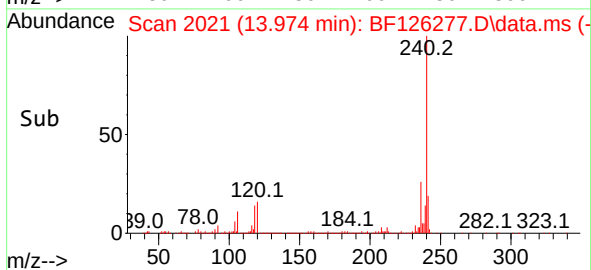
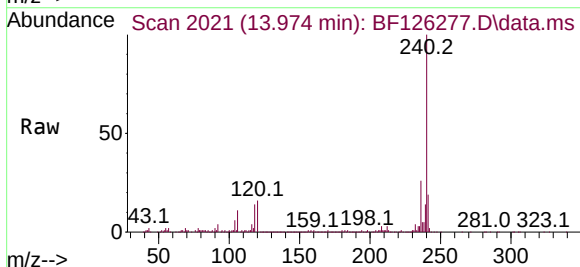
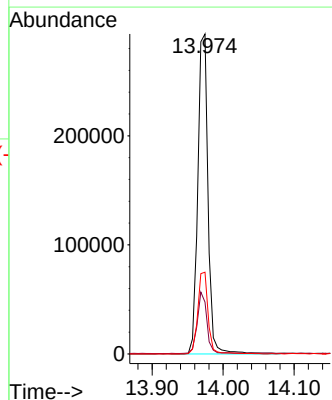


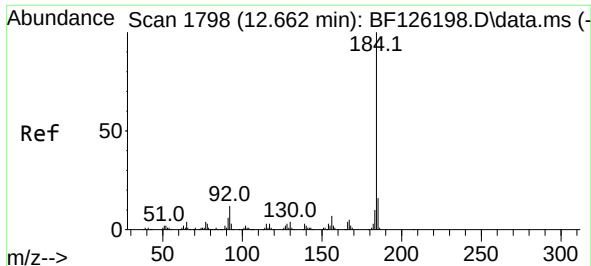
Tgt Ion:248 Resp: 11667
Ion Ratio Lower Upper
248 100
250 208.7 74.2 111.4#
141 619.1 60.4 90.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF126277.D
Acq: 20 Dec 2021 14:33

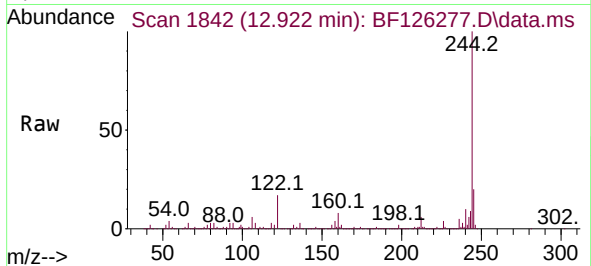
Tgt Ion:240 Resp: 295031
Ion Ratio Lower Upper
240 100
120 16.2 10.8 16.2
236 25.6 21.6 32.4



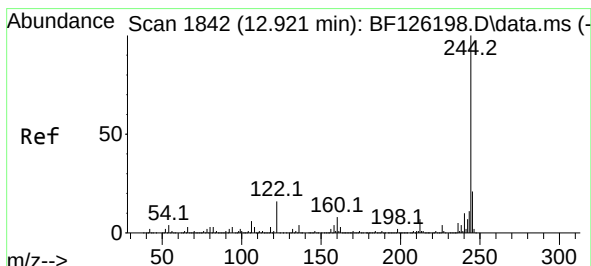
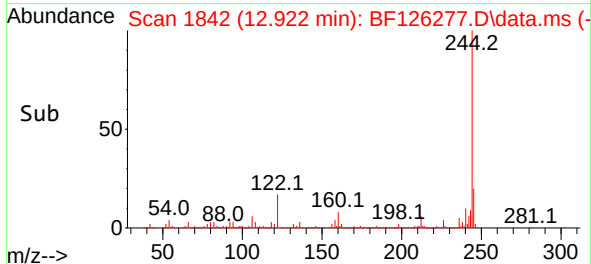
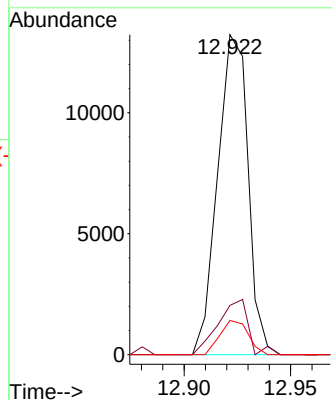


#77
Benzidine
Concen: 2.820 ng
RT: 12.922 min Scan# 1842
Delta R.T. 0.259 min
Lab File: BF126277.D
Acq: 20 Dec 2021 14:33

Instrument :
BNA_F
ClientSampleId :

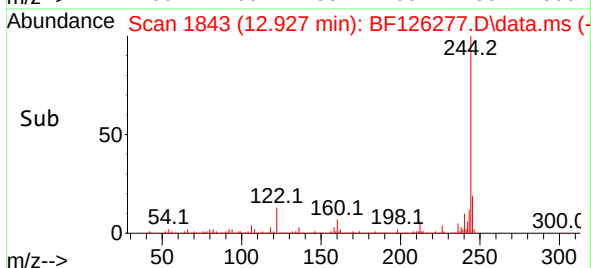
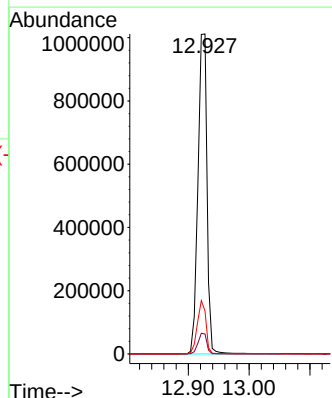
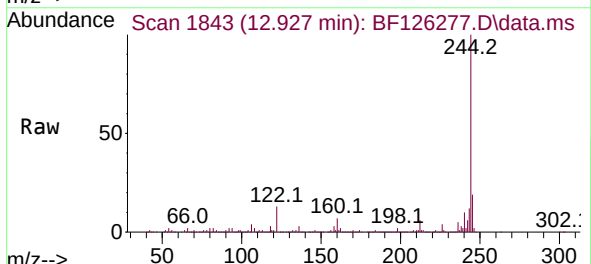


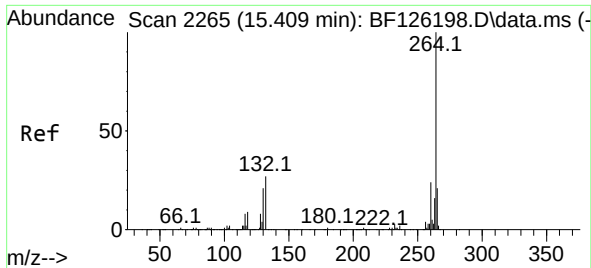
Tgt Ion:184 Resp: 13115
Ion Ratio Lower Upper
184 100
185 15.4 10.8 16.2
183 10.7 8.1 12.1



#79
Terphenyl-d14
Concen: 61.589 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF126277.D
Acq: 20 Dec 2021 14:33

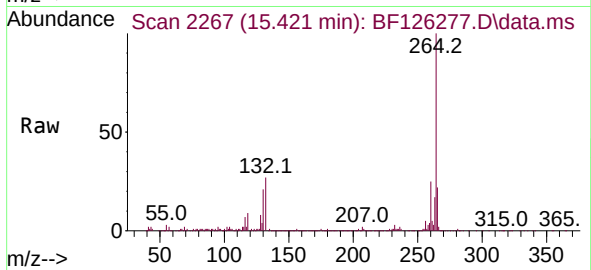
Tgt Ion:244 Resp: 1045426
Ion Ratio Lower Upper
244 100
212 6.2 5.9 8.9
122 13.5 9.0 13.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF126277.D
 Acq: 20 Dec 2021 14:33

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:264 Resp: 299895
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.6 29.4
 265 21.5 17.2 25.8

