

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF140018.D
 Acq On : 24 Oct 2024 23:26
 Operator : RC/JU
 Sample : P4487-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F27

Quant Time: Oct 25 01:10:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

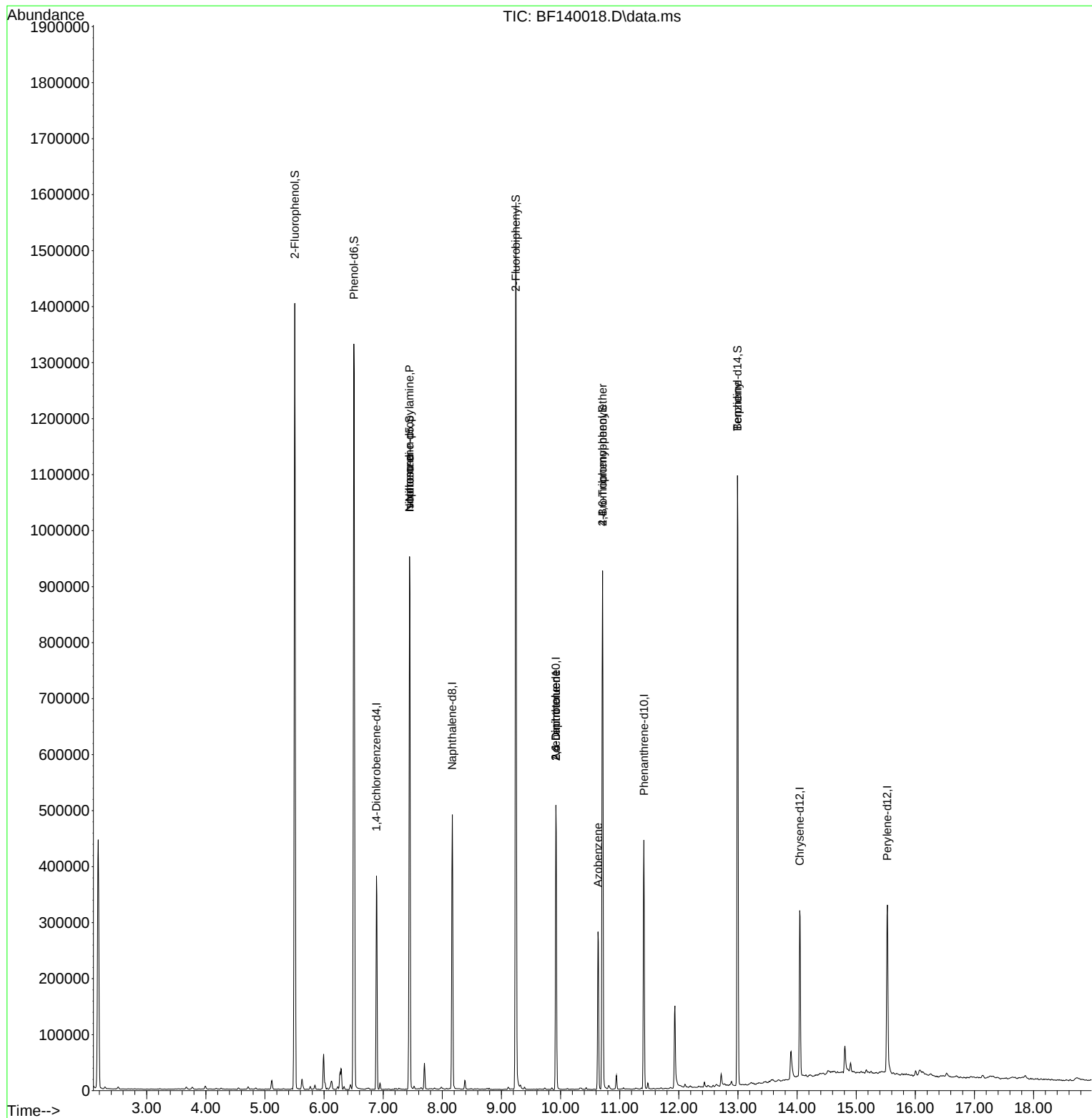
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	75252	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	285561	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	150693	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	232619	20.000	ng	0.00
76) Chrysene-d12	14.045	240	141826	20.000	ng	0.00
86) Perylene-d12	15.527	264	176909	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	500606	104.142	ng	0.00
7) Phenol-d6	6.504	99	625490	100.468	ng	0.00
23) Nitrobenzene-d5	7.445	82	416279	80.794	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	151060	107.170	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	701196	76.902	ng	0.00
79) Terphenyl-d14	12.992	244	531731	61.092	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	57257	15.164	ng	# 78
25) Isophorone	7.445	82	413628	42.297	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	19265	9.479	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	19265	7.708	ng	# 20
63) Azobenzene	10.633	77	71554	7.324	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9913	4.137	ng	# 1
77) Benzidine	12.992	184	7282	3.123	ng	# 93

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

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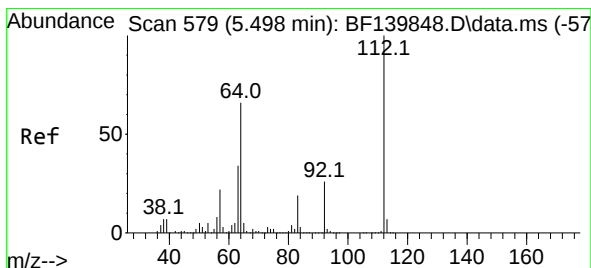
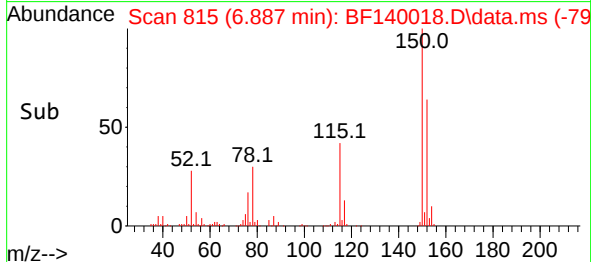
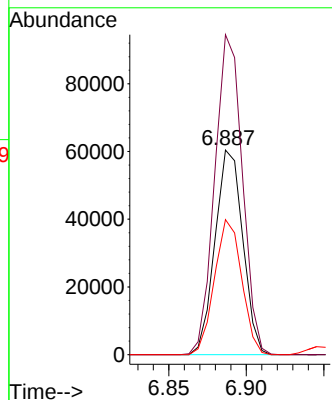
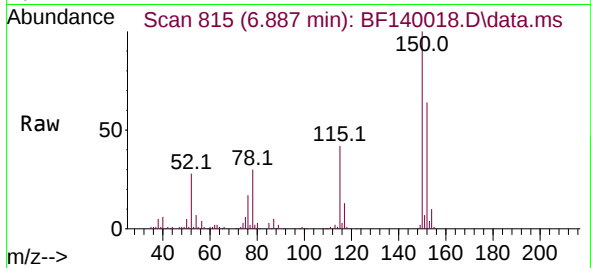




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

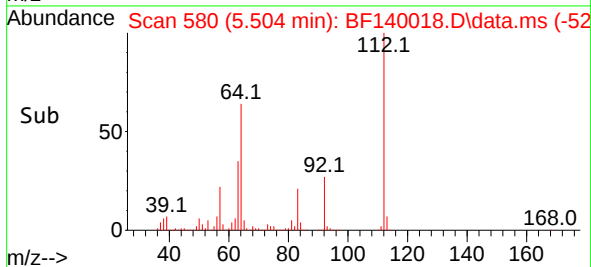
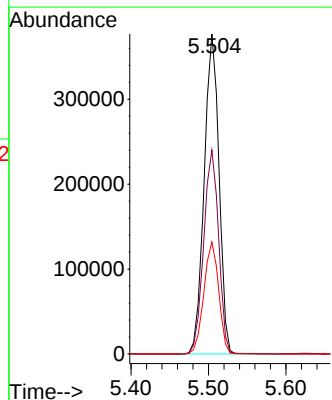
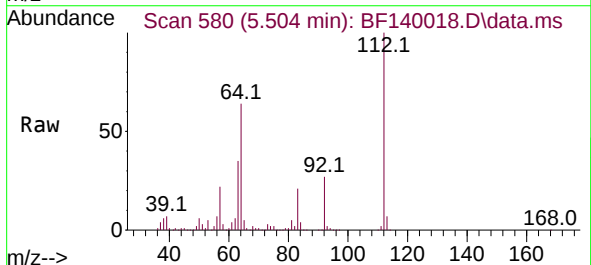
Instrument :
BNA_F
ClientSampleId :
BP-F27

Tgt Ion:152 Resp: 75252
Ion Ratio Lower Upper
152 100
150 156.3 130.2 195.2
115 66.0 51.4 77.2



#5
2-Fluorophenol
Concen: 104.142 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

Tgt Ion:112 Resp: 500606
Ion Ratio Lower Upper
112 100
64 63.7 53.0 79.6
63 35.0 27.0 40.4

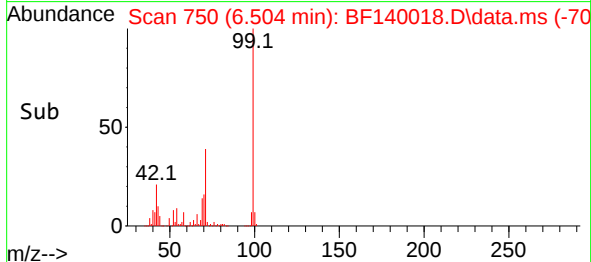
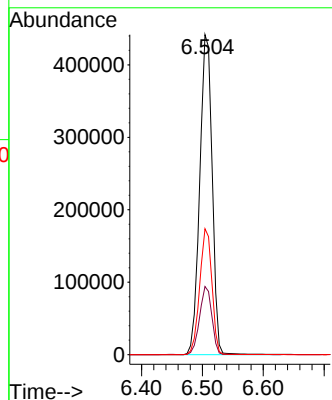
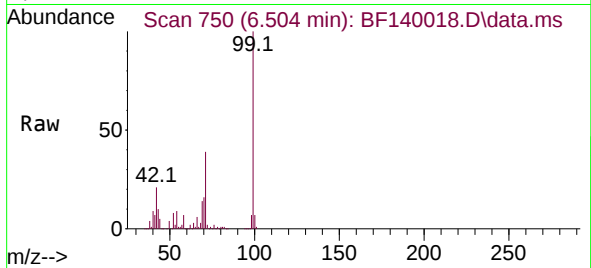




#7
Phenol-d6
Concen: 100.468 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

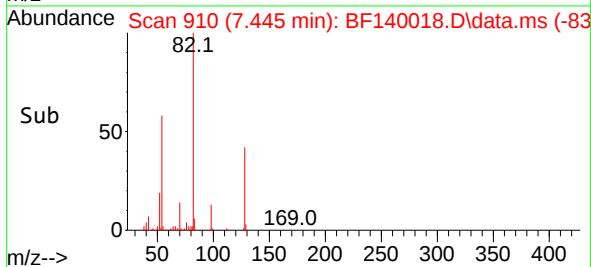
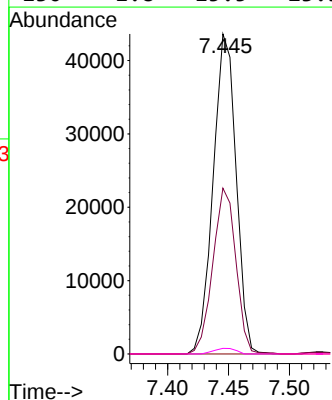
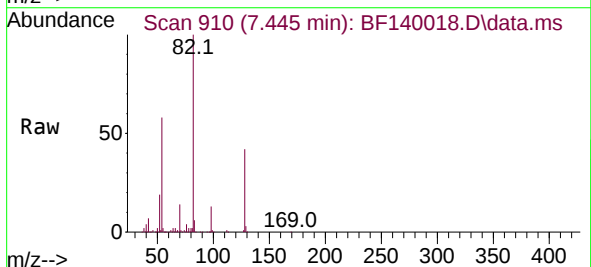
Instrument :
BNA_F
ClientSampleId :
BP-F27

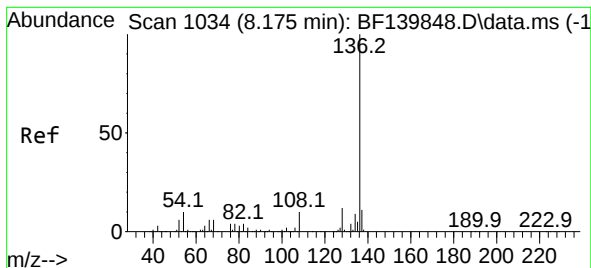
Tgt Ion: 99 Resp: 625490
Ion Ratio Lower Upper
99 100
42 21.3 16.7 25.1
71 39.4 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.164 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

Tgt Ion: 70 Resp: 57257
Ion Ratio Lower Upper
70 100
42 51.8 51.5 77.3
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140018.D

Acq: 24 Oct 2024 23:26

Instrument :

BNA_F

ClientSampleId :

BP-F27

Tgt Ion:136 Resp: 285561

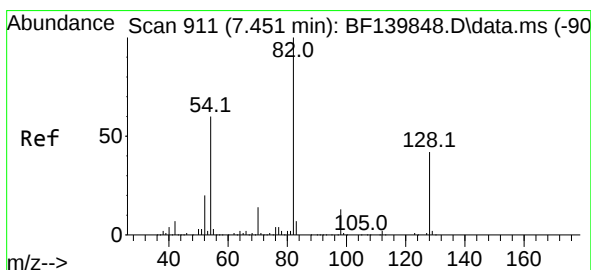
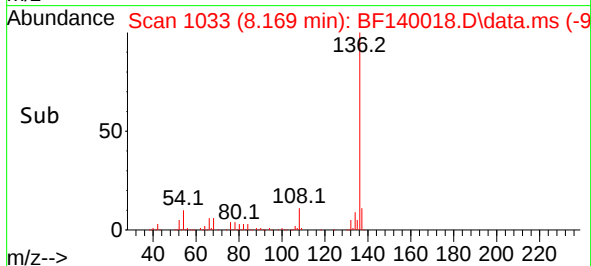
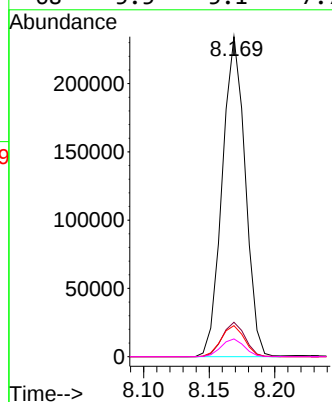
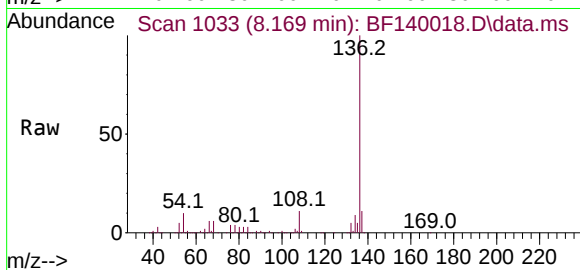
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 9.7 8.4 12.6

68 5.5 5.1 7.7



#23

Nitrobenzene-d5

Concen: 80.794 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF140018.D

Acq: 24 Oct 2024 23:26

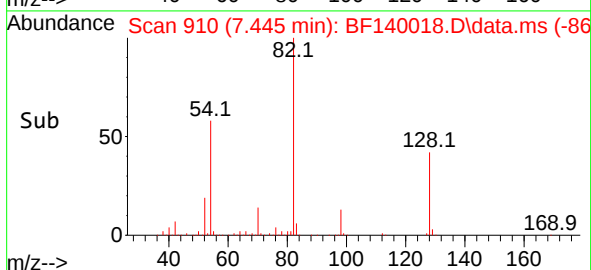
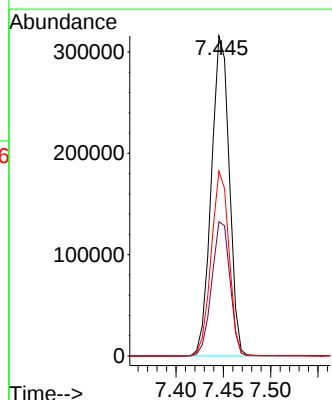
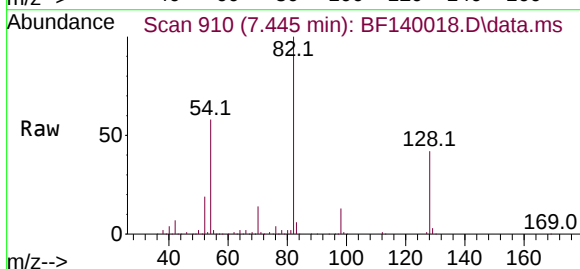
Tgt Ion: 82 Resp: 416279

Ion Ratio Lower Upper

82 100

128 42.0 33.4 50.0

54 57.7 47.8 71.8

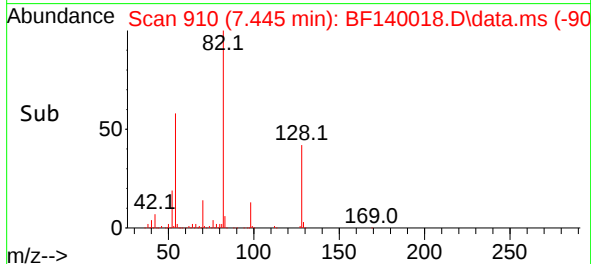
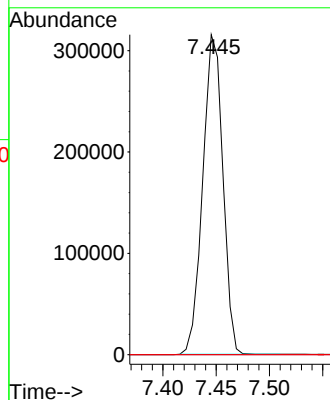
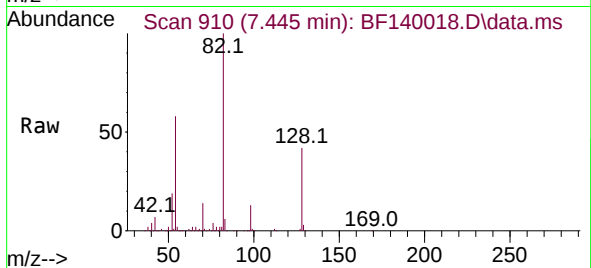




#25
Isophorone
Concen: 42.297 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

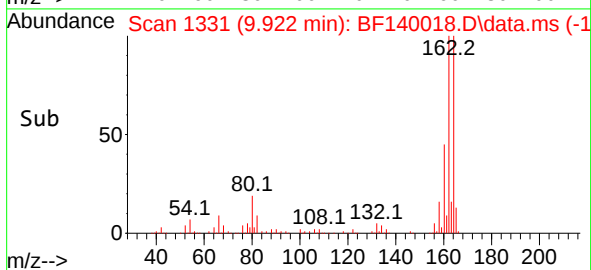
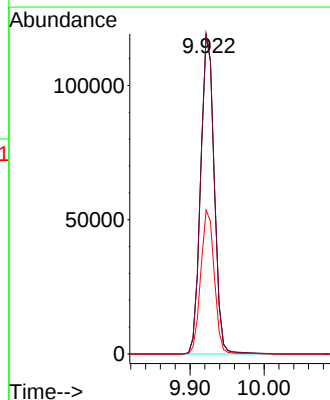
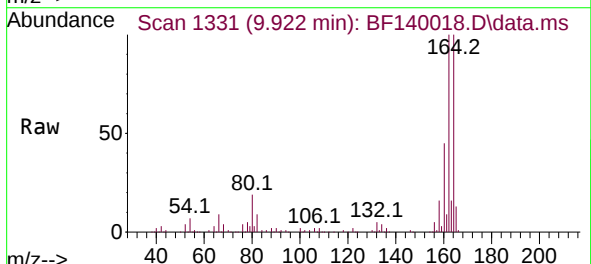
Instrument :
BNA_F
ClientSampleId :
BP-F27

Tgt Ion: 82 Resp: 413628
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

Tgt Ion:164 Resp: 150693
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.4
160 45.1 35.4 53.0

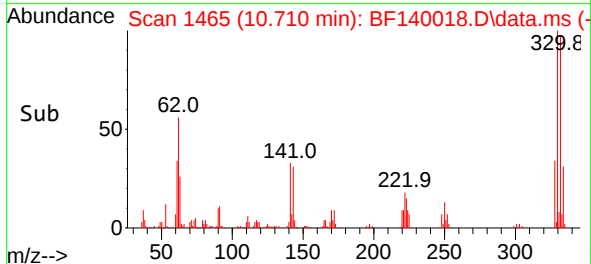
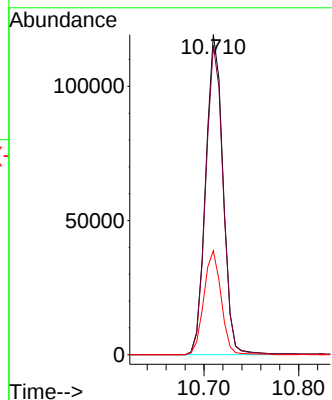
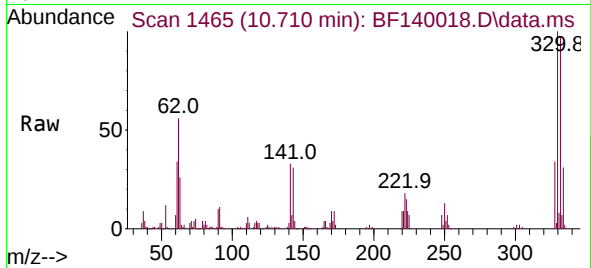




#42
2,4,6-Tribromophenol
Concen: 107.170 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

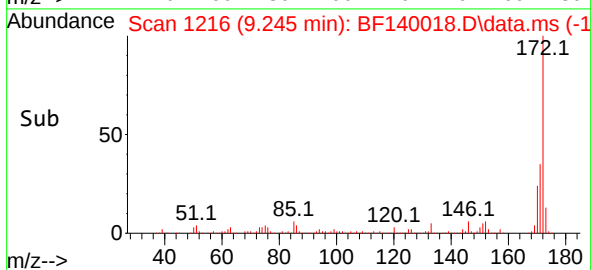
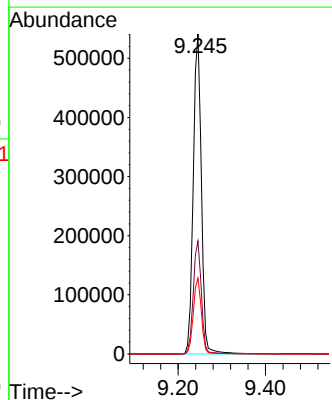
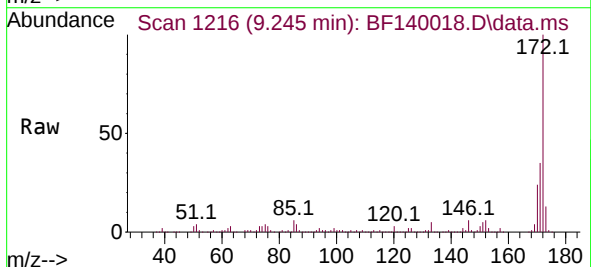
Instrument :
BNA_F
ClientSampleId :
BP-F27

Tgt Ion:330 Resp: 151060
Ion Ratio Lower Upper
330 100
332 97.3 78.1 117.1
141 32.4 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 76.902 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

Tgt Ion:172 Resp: 701196
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.7 19.1 28.7

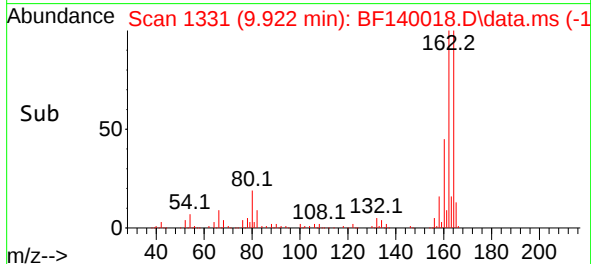
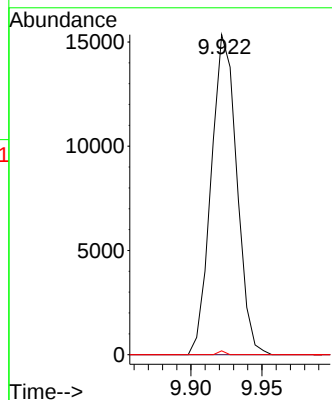
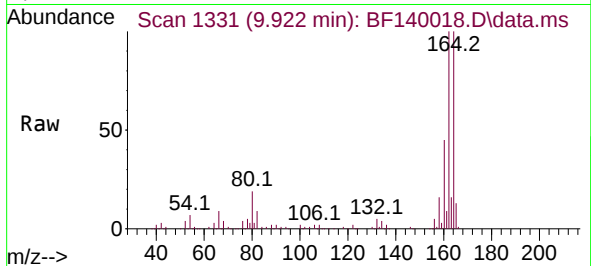




#51
2,6-Dinitrotoluene
Concen: 9.479 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

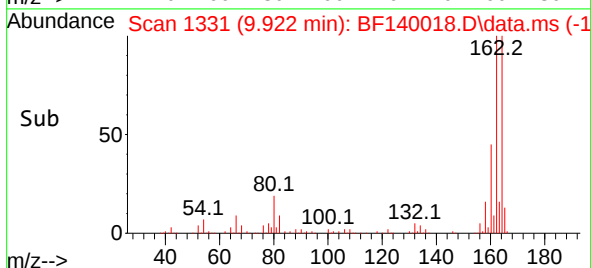
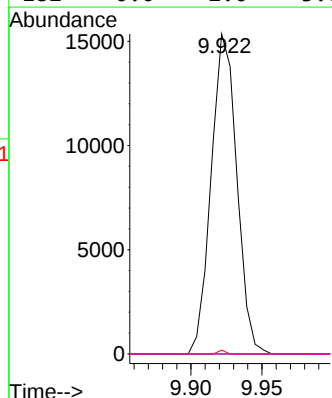
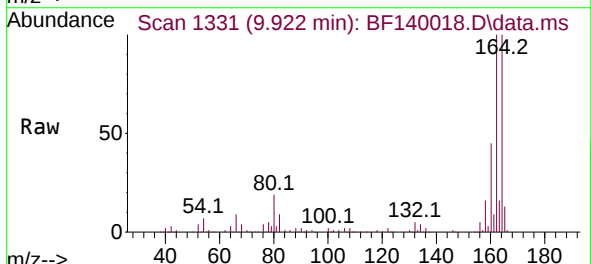
Instrument :
BNA_F
ClientSampleId :
BP-F27

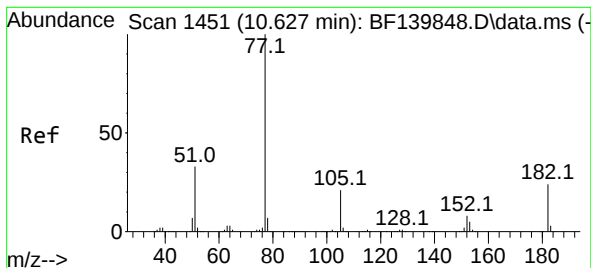
Tgt Ion:165 Resp: 19265
Ion Ratio Lower Upper
165 100
63 0.0 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.708 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

Tgt Ion:165 Resp: 19265
Ion Ratio Lower Upper
165 100
63 0.0 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 7.324 ng

RT: 10.633 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140018.D

Acq: 24 Oct 2024 23:26

Instrument :

BNA_F

ClientSampleId :

BP-F27

Tgt Ion: 77 Resp: 71554

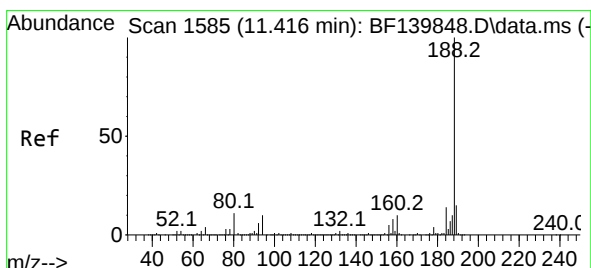
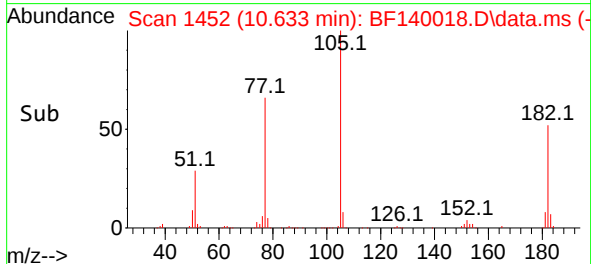
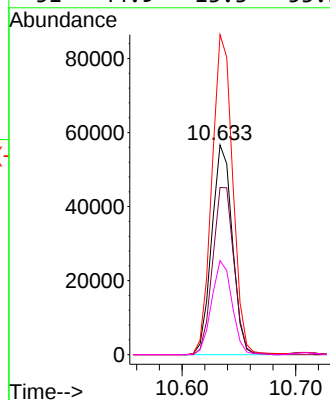
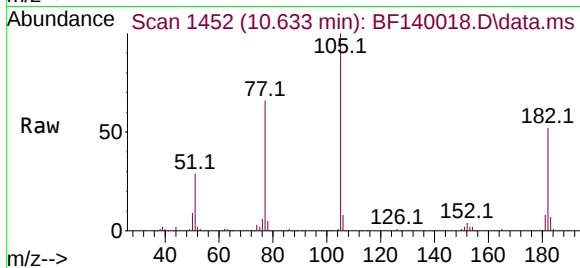
Ion Ratio Lower Upper

77 100

182 79.8 3.3 43.3#

105 152.6 1.2 41.2#

51 44.9 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.006 min

Lab File: BF140018.D

Acq: 24 Oct 2024 23:26

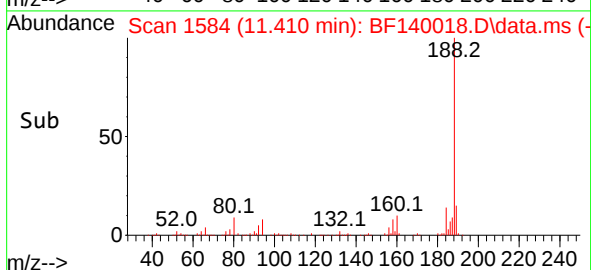
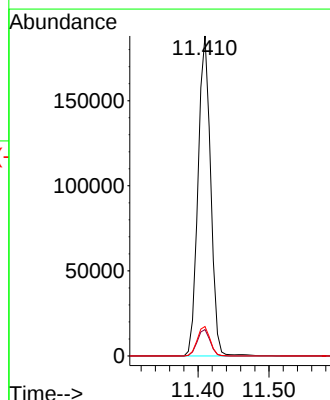
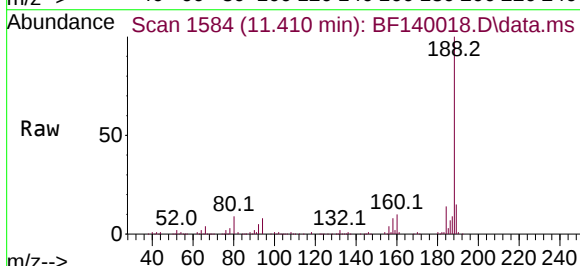
Tgt Ion: 188 Resp: 232619

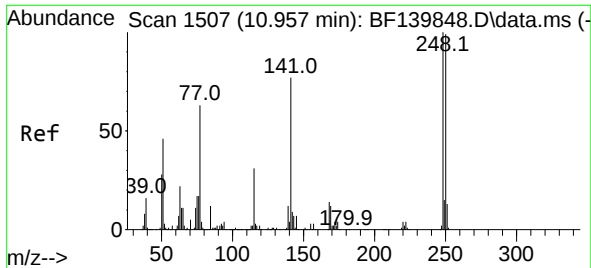
Ion Ratio Lower Upper

188 100

94 8.2 7.9 11.9

80 9.2 9.0 13.4

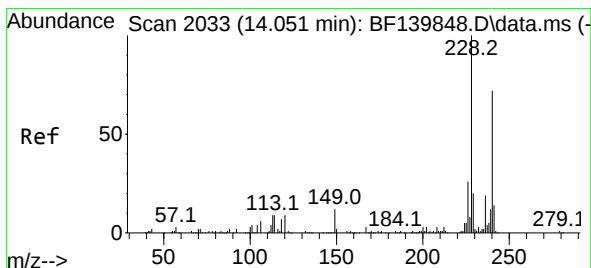
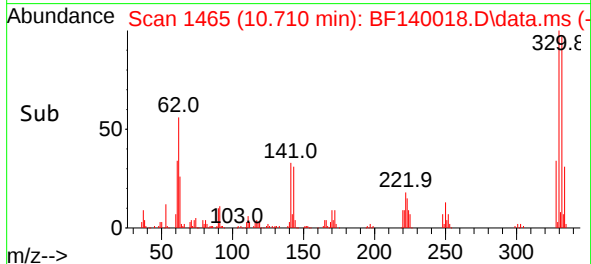
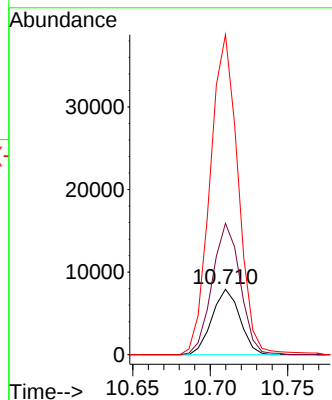
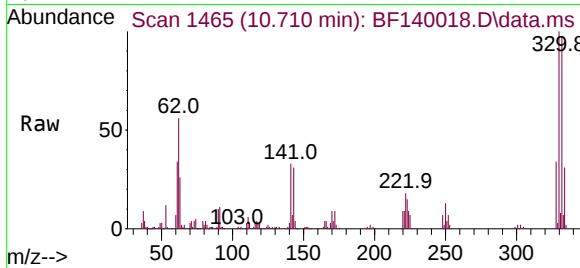




#67
4-Bromophenyl-phenylether
Concen: 4.137 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

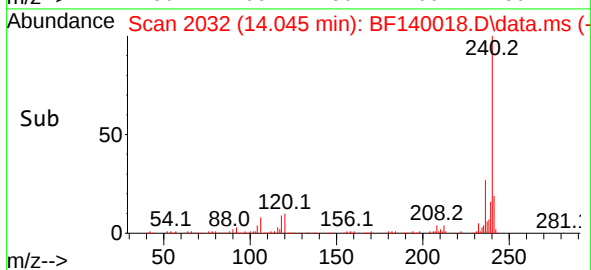
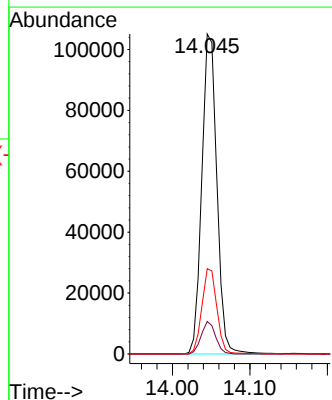
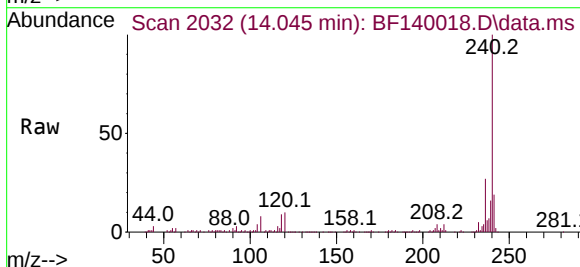
Instrument :
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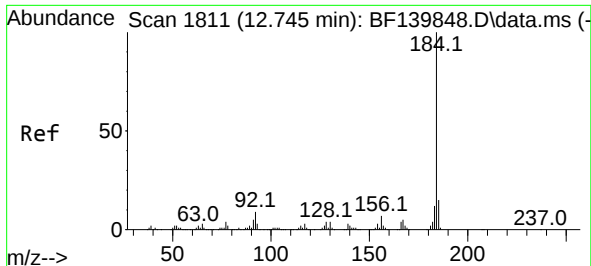
Tgt Ion:248 Resp: 9913
Ion Ratio Lower Upper
248 100
250 200.4 79.0 118.6#
141 488.5 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

Tgt Ion:240 Resp: 141826
Ion Ratio Lower Upper
240 100
120 10.1 9.4 14.2
236 26.7 20.9 31.3

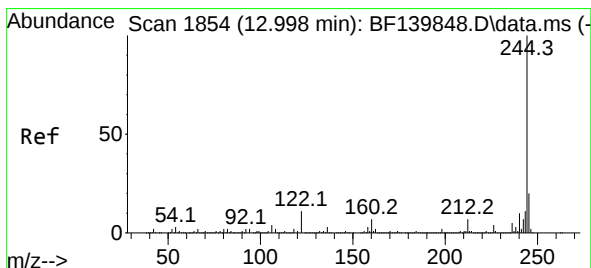
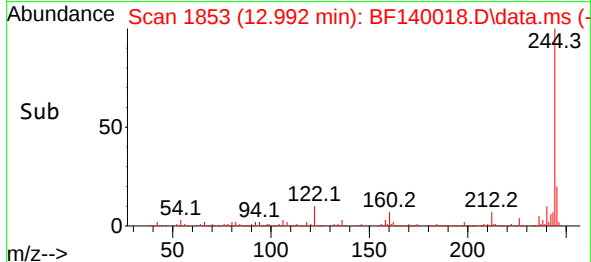
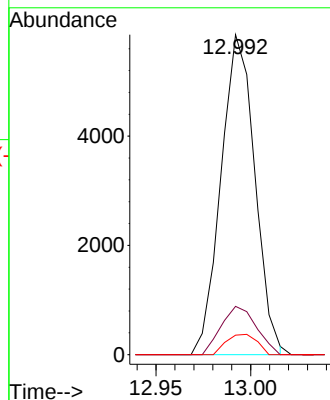
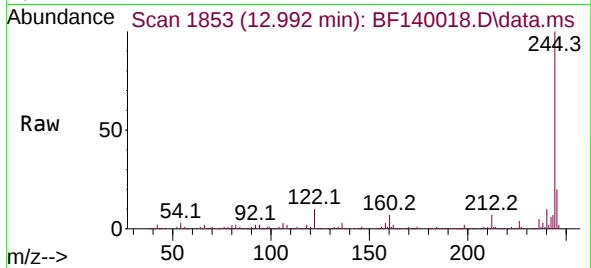




#77
Benzidine
Concen: 3.123 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.247 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

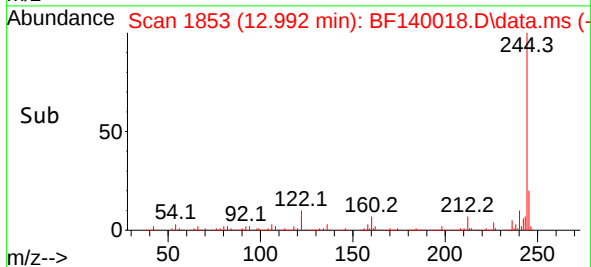
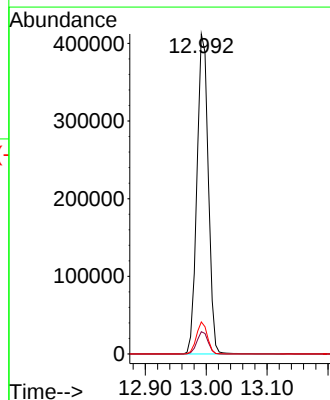
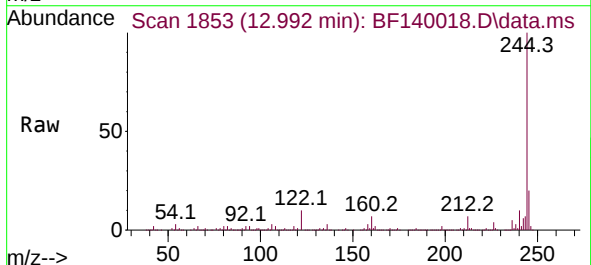
Instrument :
BNA_F
ClientSampleId :
BP-F27

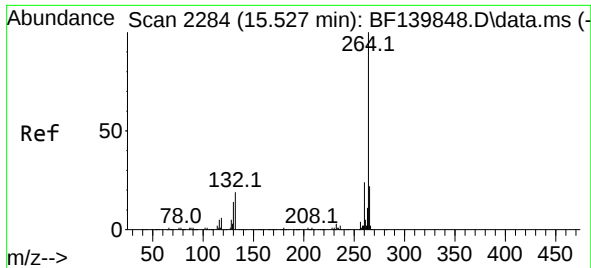
Tgt Ion:184 Resp: 7282
Ion Ratio Lower Upper
184 100
185 15.1 12.0 18.0
183 6.1 9.4 14.2#



#79
Terphenyl-d14
Concen: 61.092 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

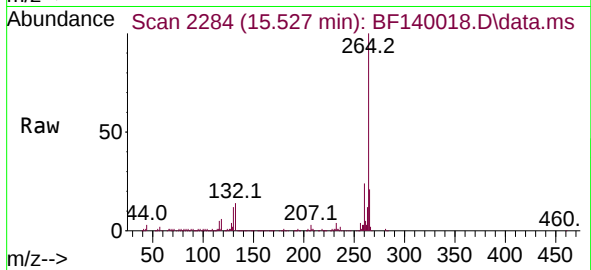
Tgt Ion:244 Resp: 531731
Ion Ratio Lower Upper
244 100
212 6.9 5.7 8.5
122 10.0 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140018.D
Acq: 24 Oct 2024 23:26

Instrument :
BNA_F
ClientSampleId :
BP-F27



Tgt Ion:264 Resp: 176909

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.1	17.4	26.0

