

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102424\
 Data File : BF140013.D
 Acq On : 24 Oct 2024 21:04
 Operator : RC/JU
 Sample : P4467-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Oct 25 01:09:36 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)

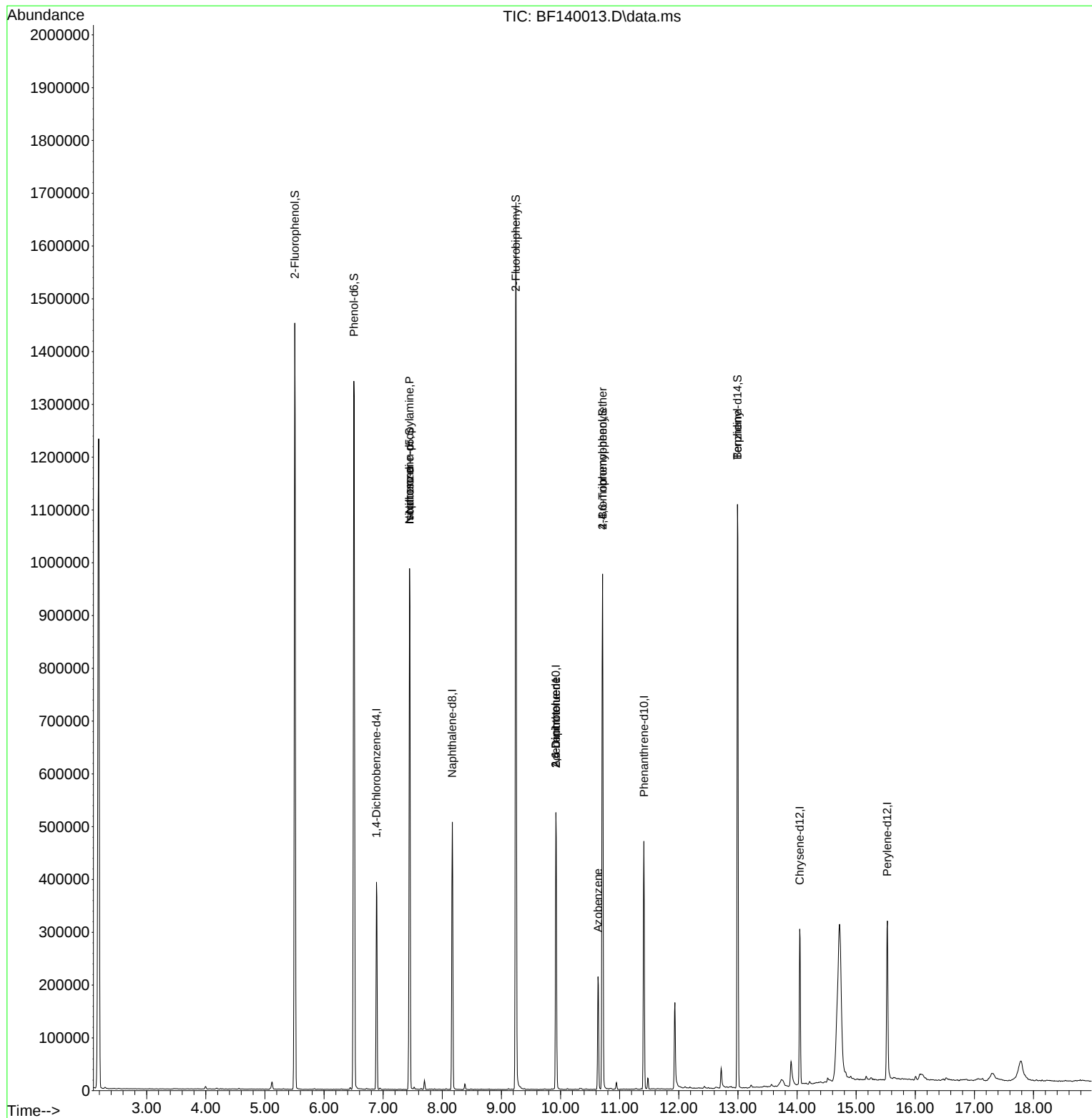
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	79395	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	294278	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	157029	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	245482	20.000	ng	0.00
76) Chrysene-d12	14.045	240	142405	20.000	ng	0.00
86) Perylene-d12	15.527	264	182835	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	521666	102.861	ng	0.00
7) Phenol-d6	6.504	99	642008	97.740	ng	0.00
23) Nitrobenzene-d5	7.445	82	434467	81.826	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	160215	109.079	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	741220	78.012	ng	0.00
79) Terphenyl-d14	12.992	244	548459	62.758	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	59842	15.021	ng	Qvalue 75
25) Isophorone	7.445	82	432055	42.873	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	20731	9.789	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	20731	7.960	ng	# 20
63) Azobenzene	10.634	77	54696	5.372	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10539	4.167	ng	# 1
77) Benzidine	12.992	184	6910	2.951	ng	# 94

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

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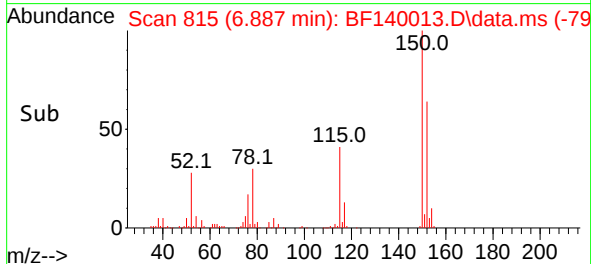
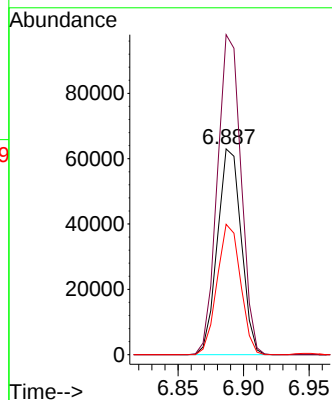
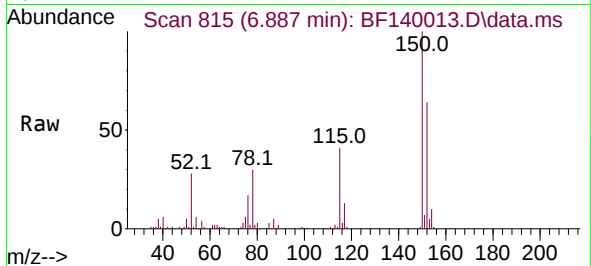




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

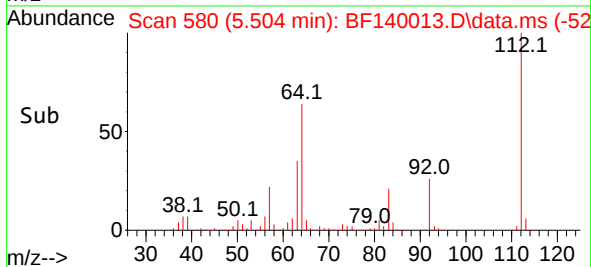
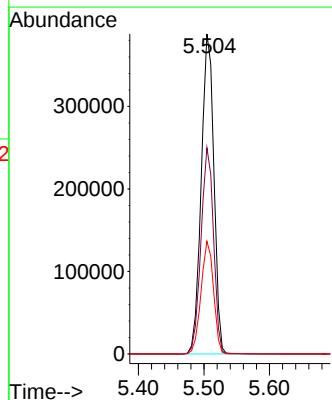
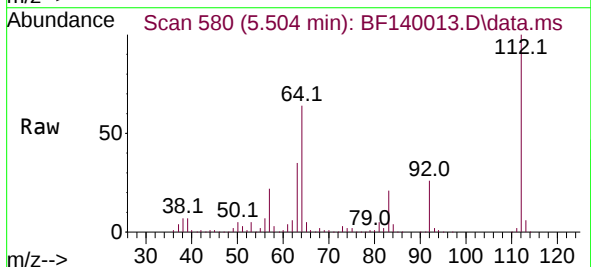
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:152 Resp: 79395
Ion Ratio Lower Upper
152 100
150 155.5 130.2 195.2
115 63.4 51.4 77.2



#5
2-Fluorophenol
Concen: 102.861 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

Tgt Ion:112 Resp: 521666
Ion Ratio Lower Upper
112 100
64 64.5 53.0 79.6
63 35.2 27.0 40.4





#7

Phenol-d6

Concen: 97.740 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140013.D

Acq: 24 Oct 2024 21:04

Instrument :

BNA_F

ClientSampleId :

TP-1

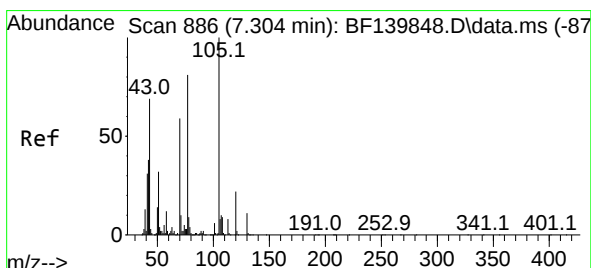
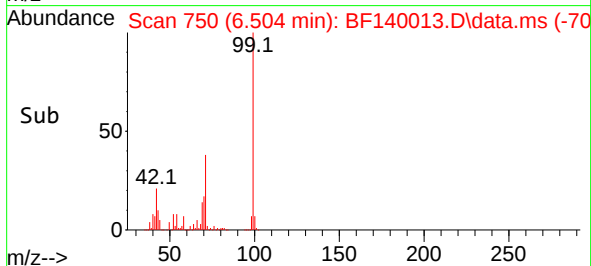
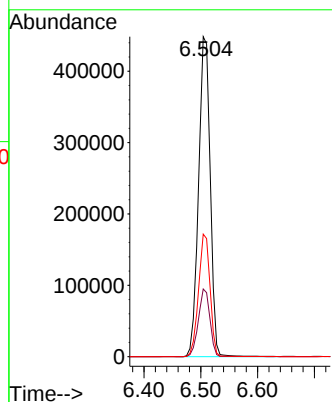
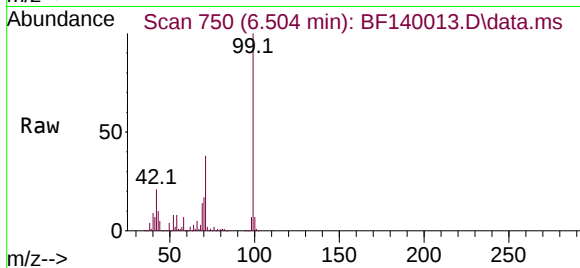
Tgt Ion: 99 Resp: 642008

Ion Ratio Lower Upper

99 100

42 21.2 16.7 25.1

71 38.3 27.7 41.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.021 ng

RT: 7.445 min Scan# 910

Delta R.T. 0.141 min

Lab File: BF140013.D

Acq: 24 Oct 2024 21:04

Tgt Ion: 70 Resp: 59842

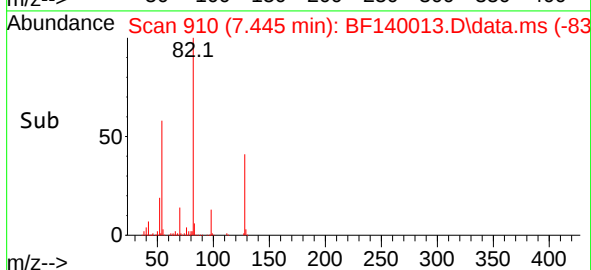
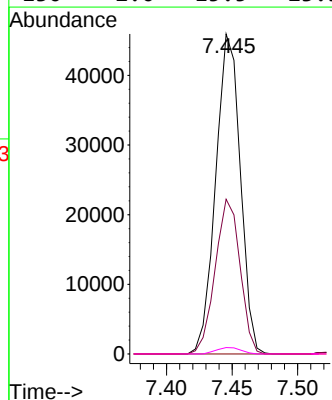
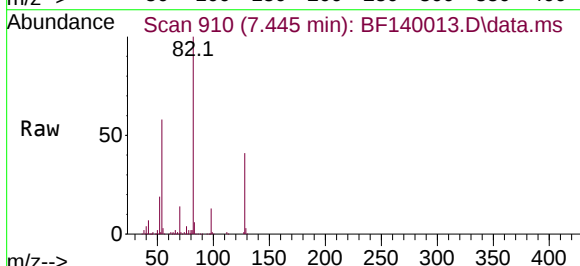
Ion Ratio Lower Upper

70 100

42 48.4 51.5 77.3#

101 0.0 7.5 11.3#

130 2.0 15.5 23.3#



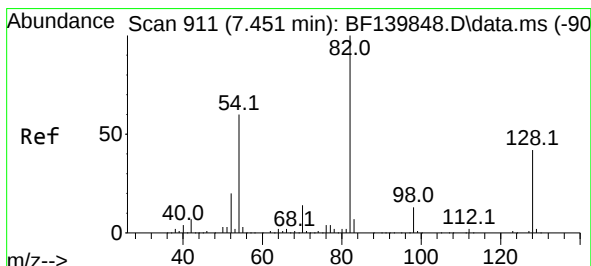
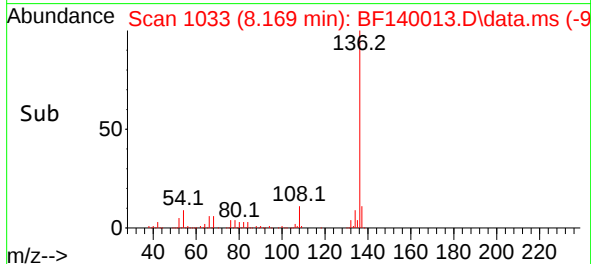
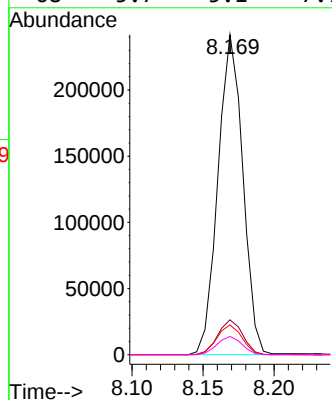
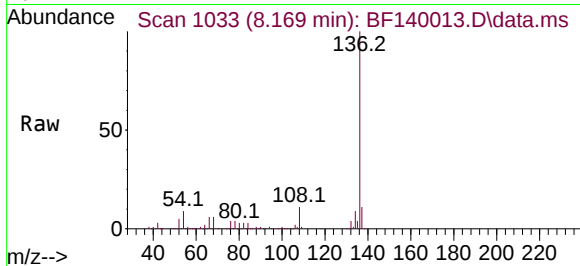


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 294278

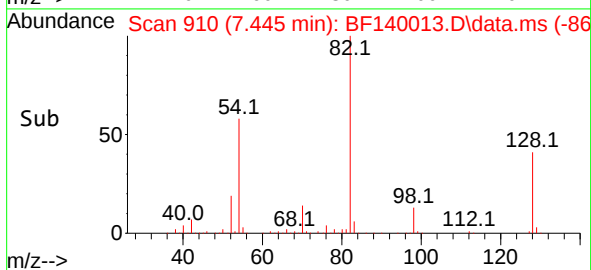
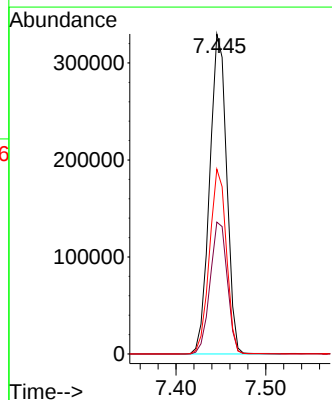
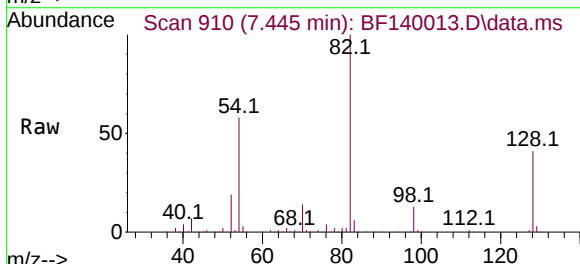
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.3	8.4	12.6
68	5.7	5.1	7.7



#23
Nitrobenzene-d5
Concen: 81.826 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

Tgt Ion: 82 Resp: 434467

Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.4	50.0
54	57.7	47.8	71.8

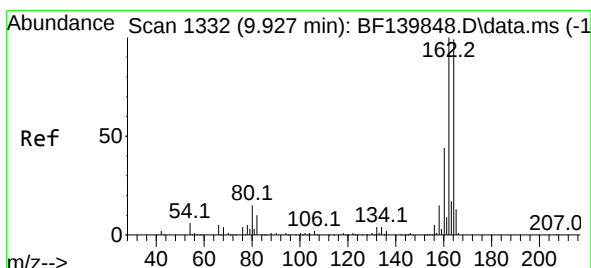
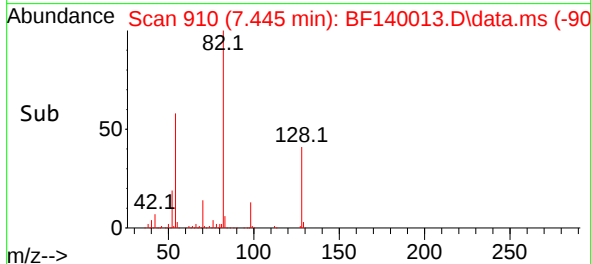
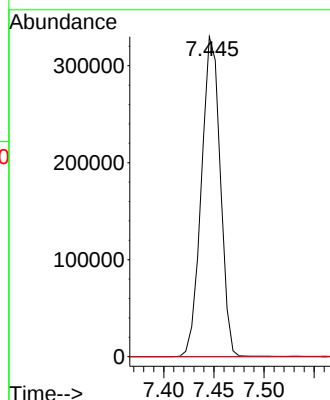
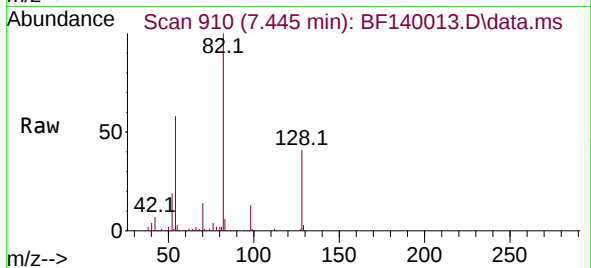




#25
Isophorone
Concen: 42.873 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.264 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

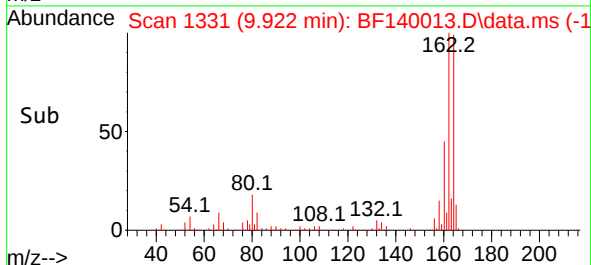
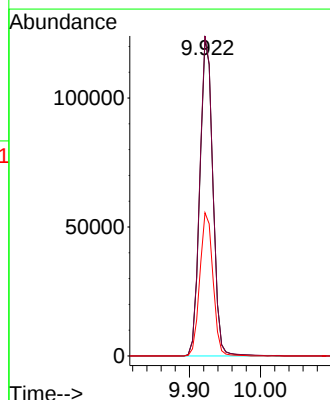
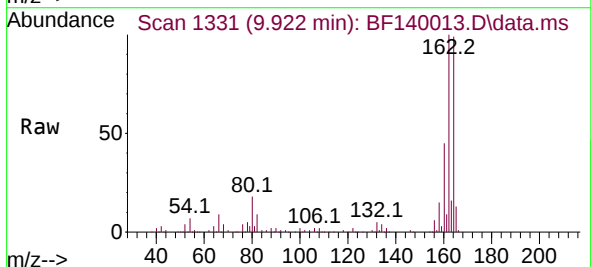
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 432055
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: BF140013.D
Acq: 24 Oct 2024 21:04

Tgt Ion:164 Resp: 157029
Ion Ratio Lower Upper
164 100
162 101.1 81.0 121.4
160 45.2 35.4 53.0

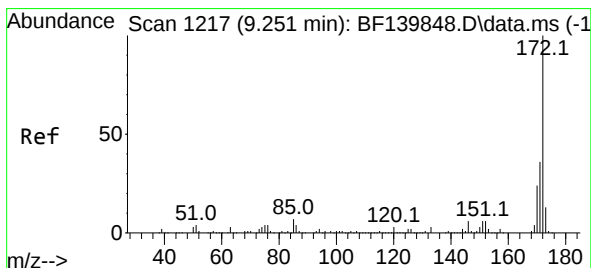
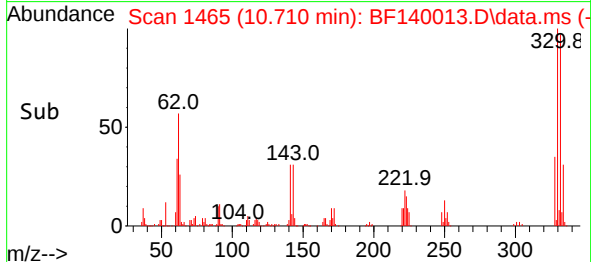
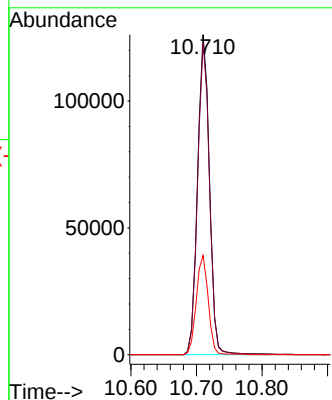
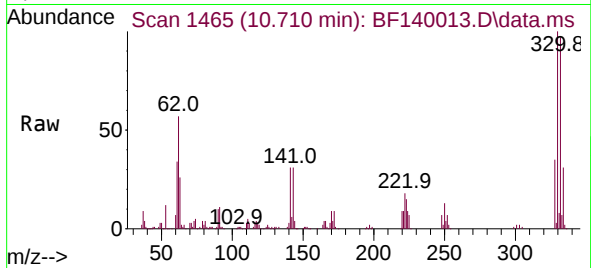




#42
2,4,6-Tribromophenol
Concen: 109.079 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

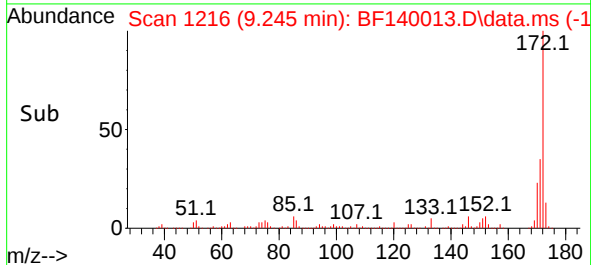
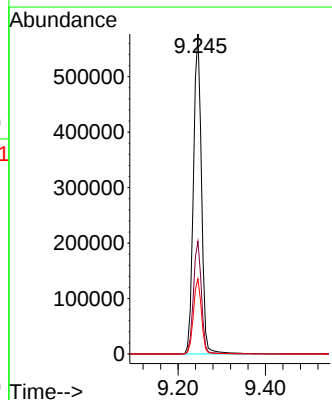
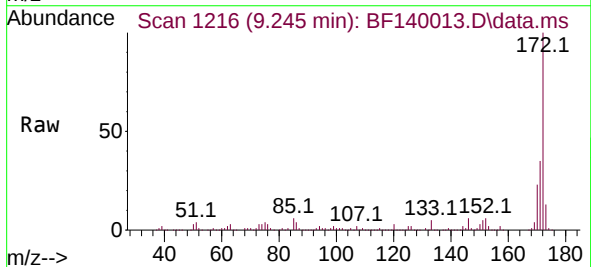
Instrument :
BNA_F
ClientSampleId :
TP-1

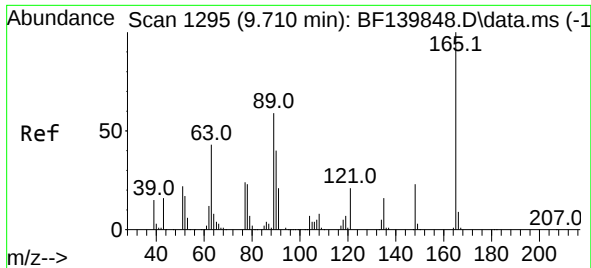
Tgt Ion:330 Resp: 160215
Ion Ratio Lower Upper
330 100
332 97.0 78.1 117.1
141 31.0 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 78.012 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

Tgt Ion:172 Resp: 741220
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.5 19.1 28.7

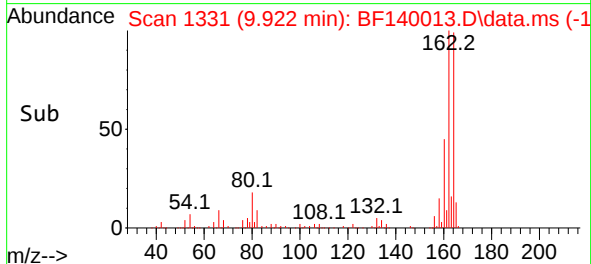
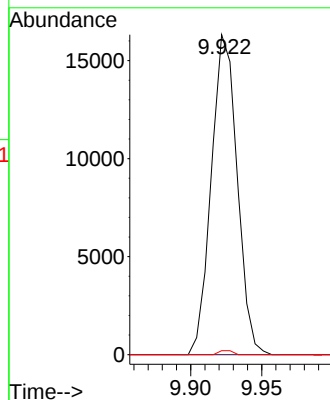
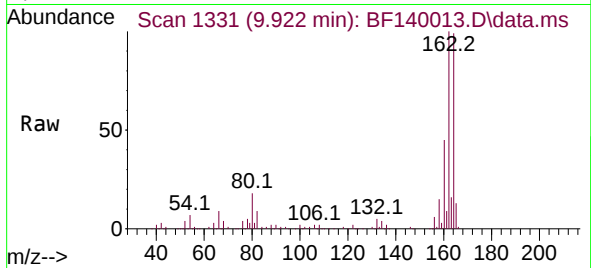




#51
2,6-Dinitrotoluene
Concen: 9.789 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

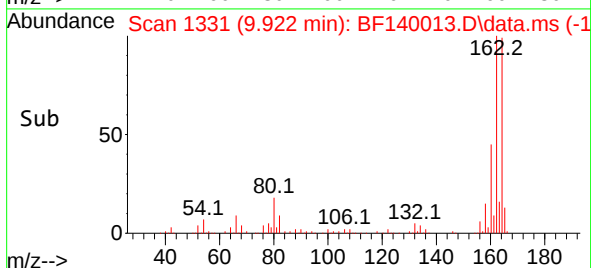
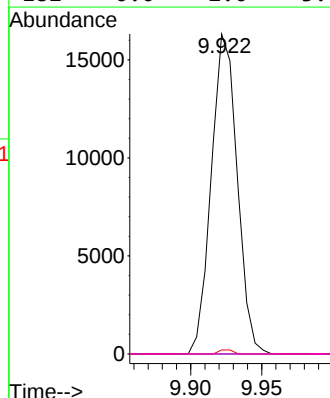
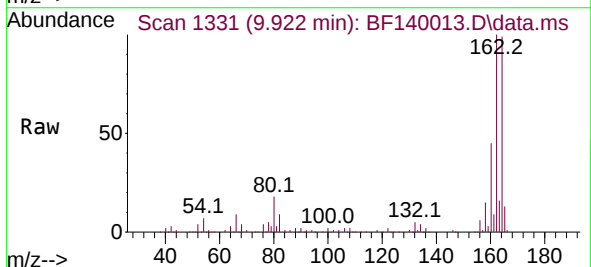
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BNA_F
ClientSampleId :
TP-1

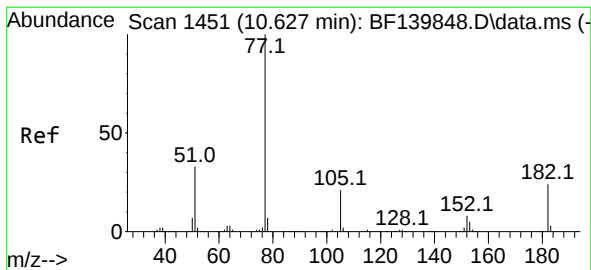
Tgt Ion:165 Resp: 20731
Ion Ratio Lower Upper
165 100
63 0.0 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.960 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

Tgt Ion:165 Resp: 20731
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: 5.372 ng

RT: 10.634 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF140013.D

Acq: 24 Oct 2024 21:04

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 77 Resp: 54696

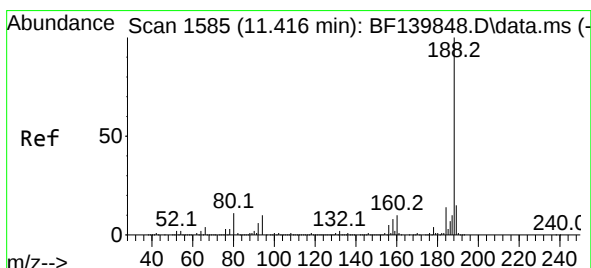
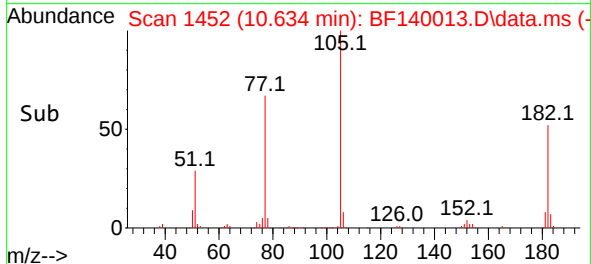
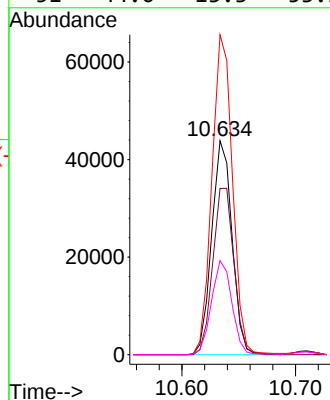
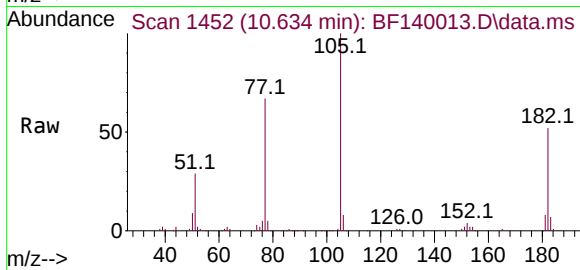
Ion Ratio Lower Upper

77 100

182 77.7 3.3 43.3#

105 149.6 1.2 41.2#

51 44.0 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: BF140013.D

Acq: 24 Oct 2024 21:04

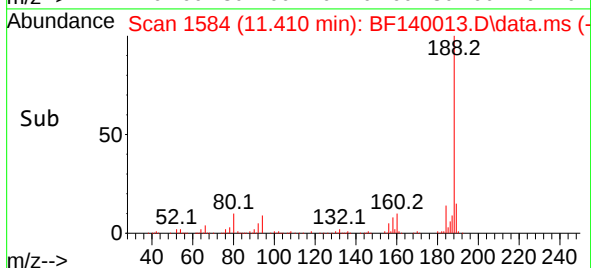
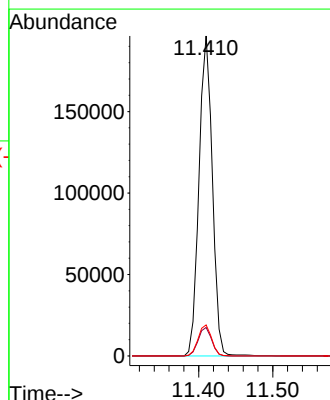
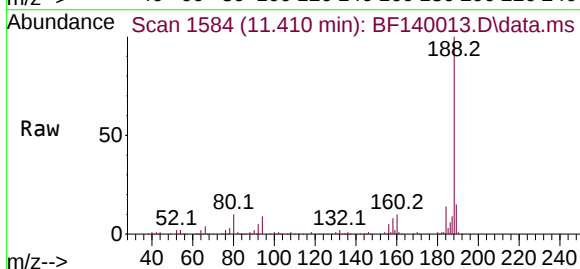
Tgt Ion: 188 Resp: 245482

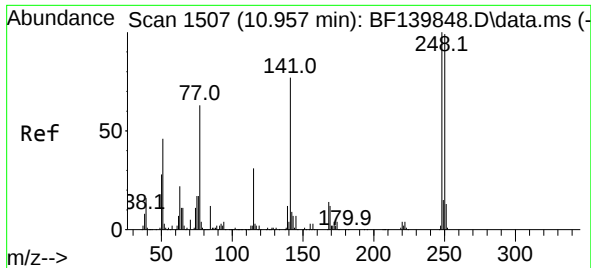
Ion Ratio Lower Upper

188 100

94 8.9 7.9 11.9

80 9.7 9.0 13.4

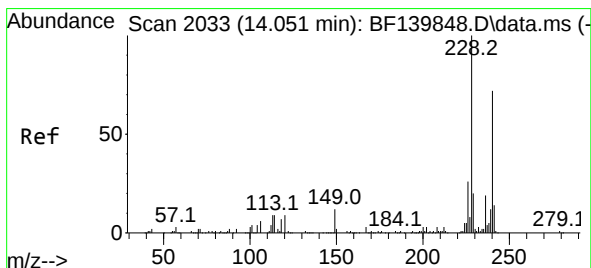
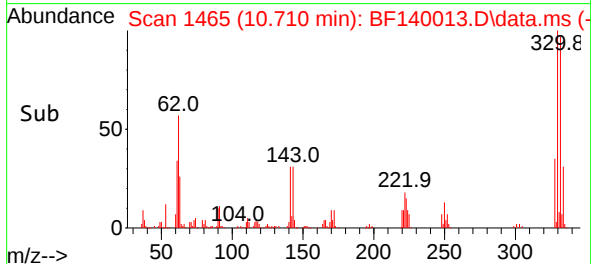
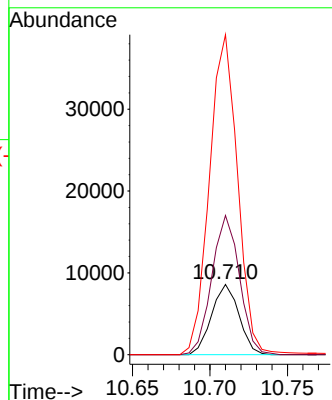
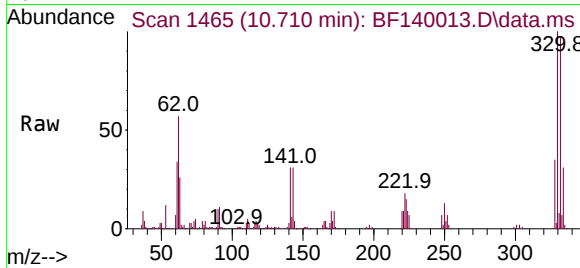




#67
4-Bromophenyl-phenylether
Concen: 4.167 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

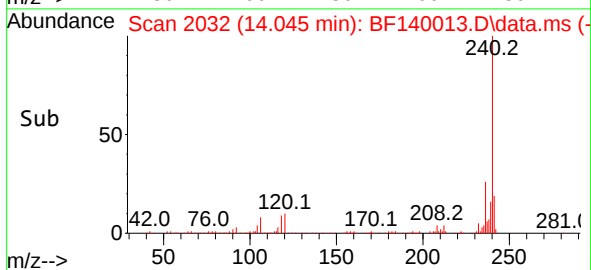
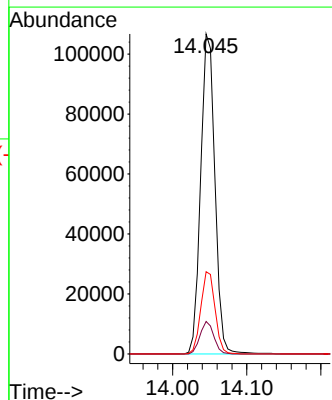
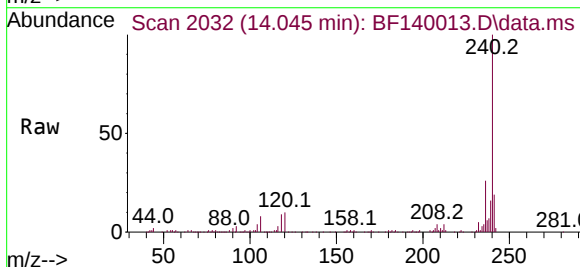
Instrument :
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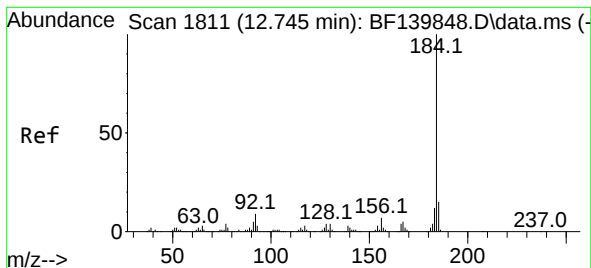
Tgt Ion:248 Resp: 10539
Ion Ratio Lower Upper
248 100
250 197.9 79.0 118.6#
141 455.0 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

Tgt Ion:240 Resp: 142405
Ion Ratio Lower Upper
240 100
120 10.1 9.4 14.2
236 25.7 20.9 31.3





#77

Benzidine

Concen: 2.951 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF140013.D

Acq: 24 Oct 2024 21:04

Instrument :

BNA_F

ClientSampleId :

TP-1

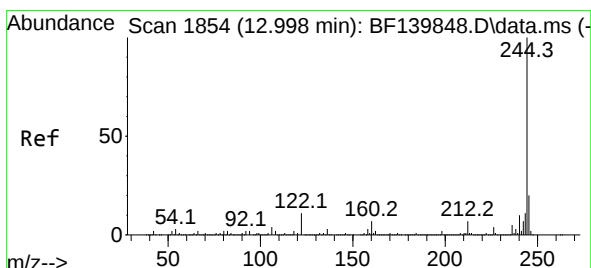
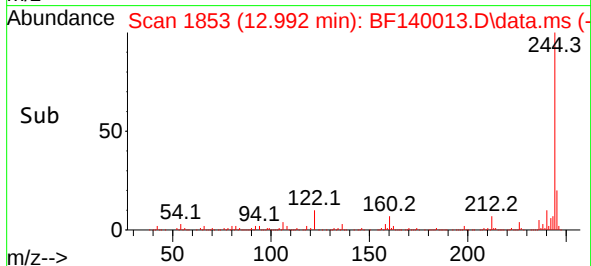
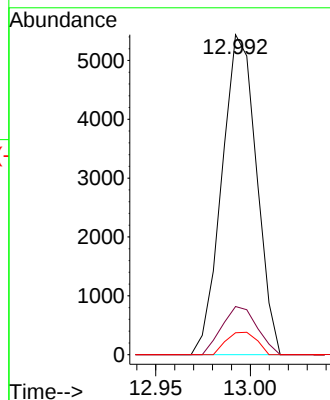
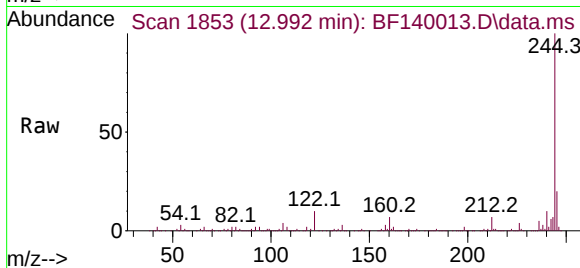
Tgt Ion:184 Resp: 6910

Ion Ratio Lower Upper

184 100

185 15.1 12.0 18.0

183 6.9 9.4 14.2#



#79

Terphenyl-d14

Concen: 62.758 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF140013.D

Acq: 24 Oct 2024 21:04

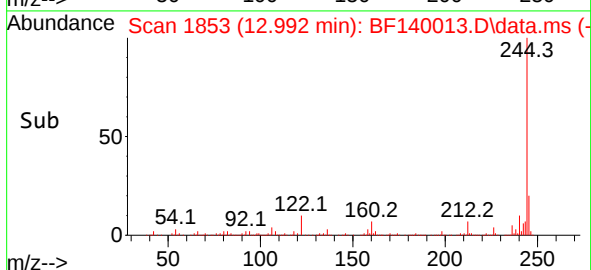
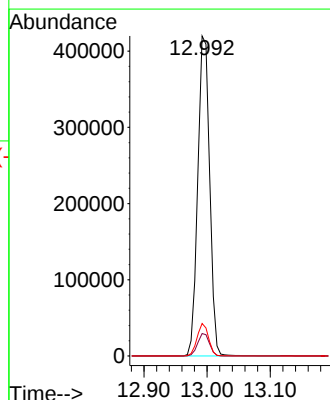
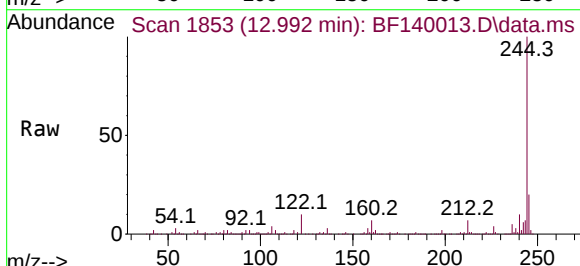
Tgt Ion:244 Resp: 548459

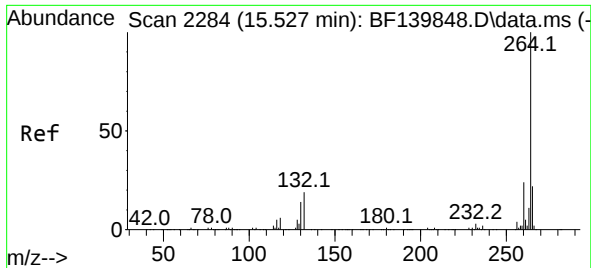
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

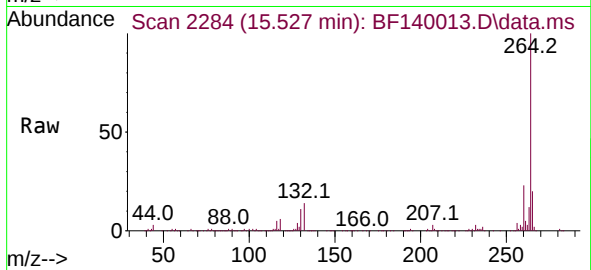
122 10.2 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF140013.D
Acq: 24 Oct 2024 21:04

Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:264 Resp: 182835
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.2
265 20.3 17.4 26.0

