

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121324\
 Data File : BF140852.D
 Acq On : 13 Dec 2024 18:46
 Operator : RC/JU
 Sample : P5216-05RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-743RE

Quant Time: Dec 13 21:42:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

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

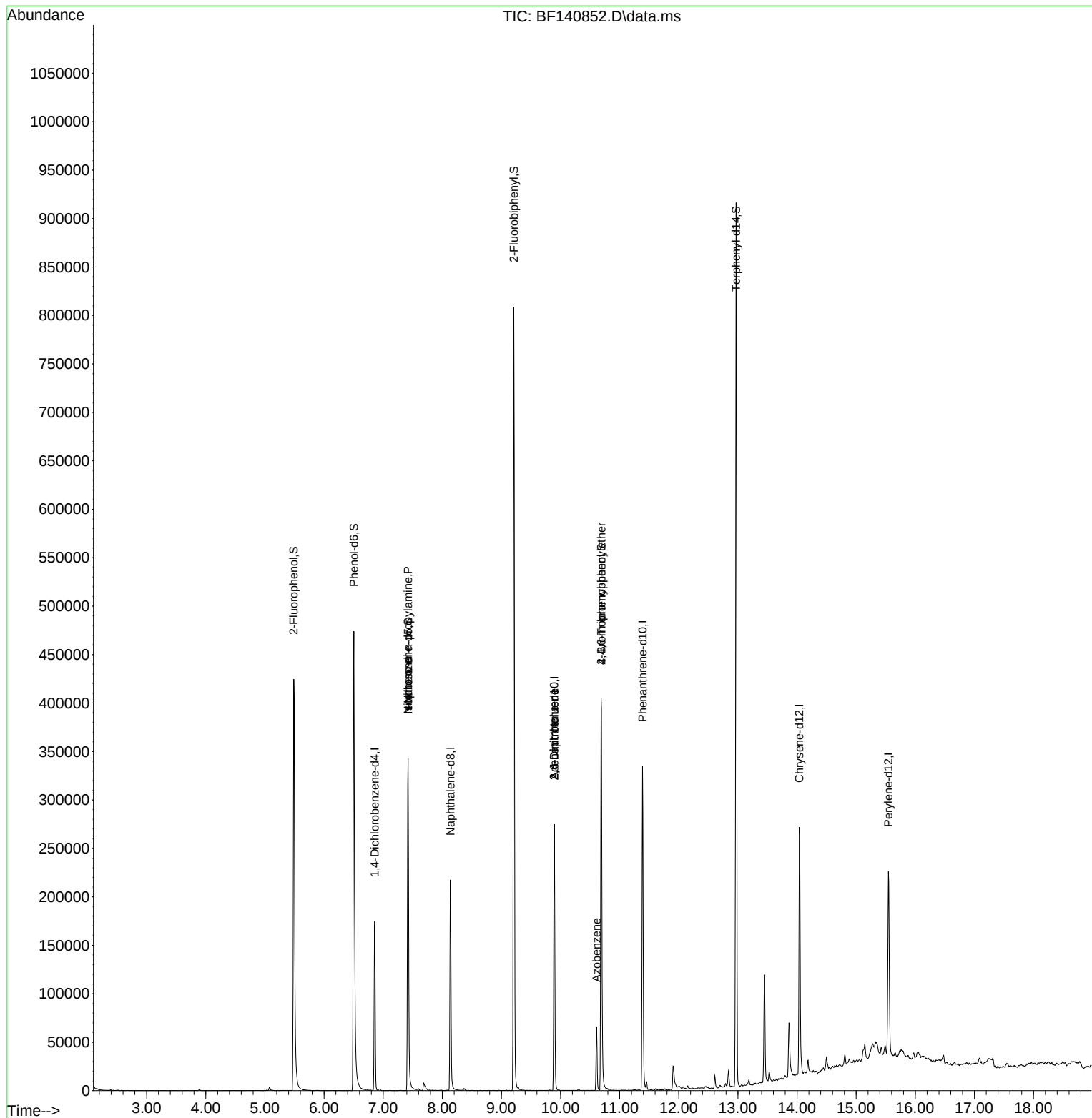
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	38356	20.000	ng	-0.02
21) Naphthalene-d8	8.140	136	151700	20.000	ng	-0.02
39) Acenaphthene-d10	9.892	164	88127	20.000	ng	-0.02
64) Phenanthrene-d10	11.386	188	192744	20.000	ng	-0.02
76) Chrysene-d12	14.039	240	126994	20.000	ng	-0.01
86) Perylene-d12	15.545	264	118264	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	200993	89.409	ng	-0.01
7) Phenol-d6	6.504	99	276091	92.899	ng	-0.01
23) Nitrobenzene-d5	7.422	82	173155	58.384	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	79805	84.672	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	365127	61.731	ng	-0.02
79) Terphenyl-d14	12.969	244	447212	54.835	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	21570	12.281	ng	# 77
25) Isophorone	7.422	82	173154	35.004	ng	# 66
51) 2,6-Dinitrotoluene	9.892	165	11386	8.650	ng	# 20
57) 2,4-Dinitrotoluene	9.892	165	11386	6.508	ng	# 18
63) Azobenzene	10.610	77	18393	3.294	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	5093	2.566	ng	# 1

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

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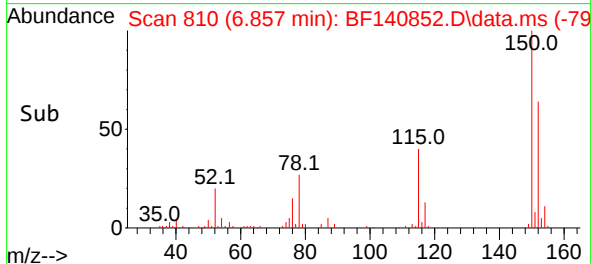
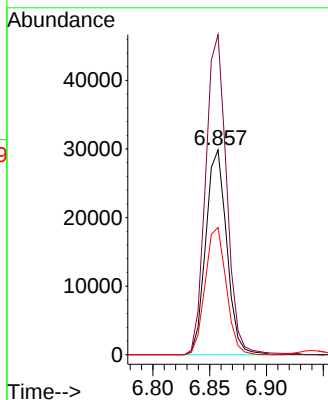
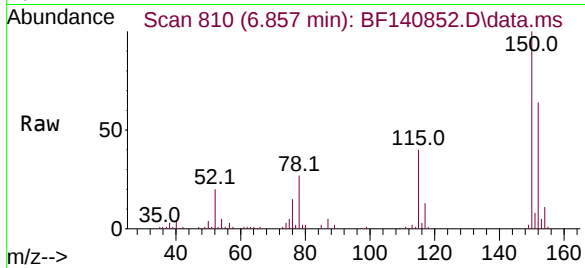




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.018 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

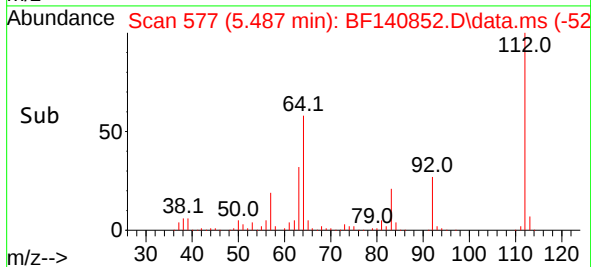
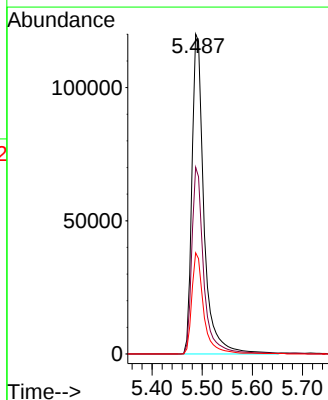
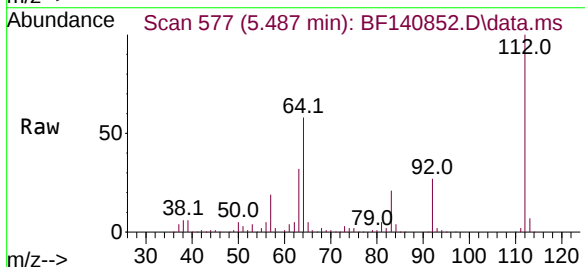
Instrument :
BNA_F
ClientSampleId :
MH-743RE

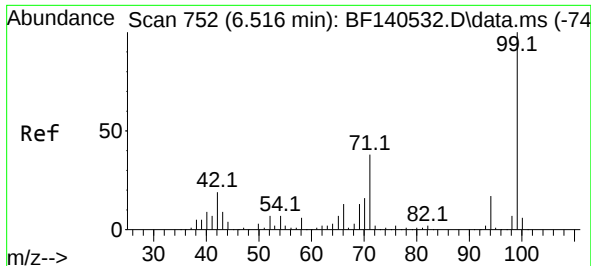
Tgt Ion:152 Resp: 38356
Ion Ratio Lower Upper
152 100
150 156.2 128.5 192.7
115 62.1 50.2 75.4



#5
2-Fluorophenol
Concen: 89.409 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.012 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

Tgt Ion:112 Resp: 200993
Ion Ratio Lower Upper
112 100
64 58.4 49.2 73.8
63 31.6 27.0 40.4

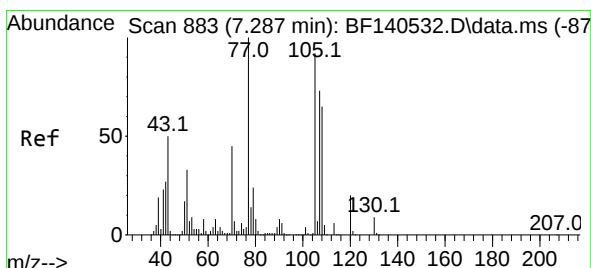
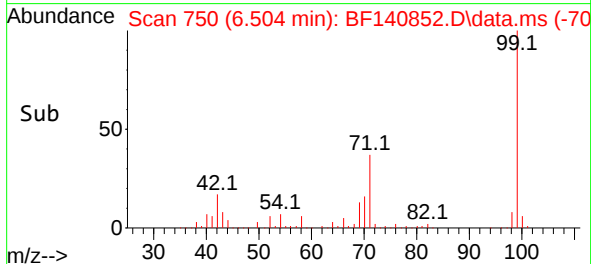
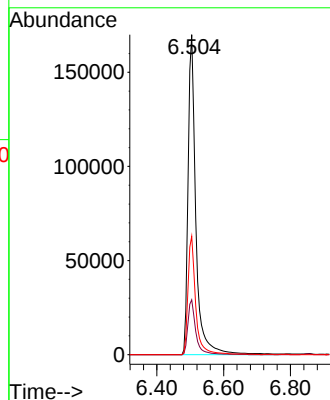
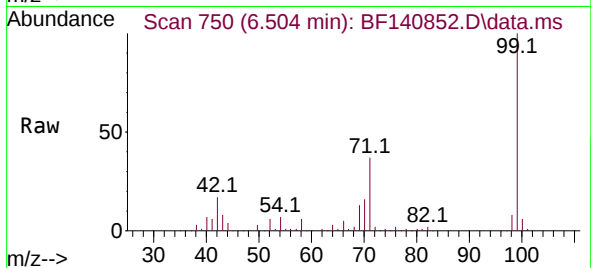




#7
Phenol-d6
Concen: 92.899 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

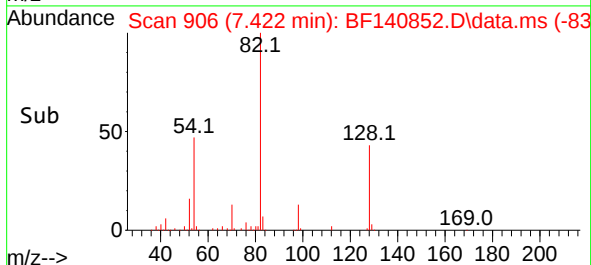
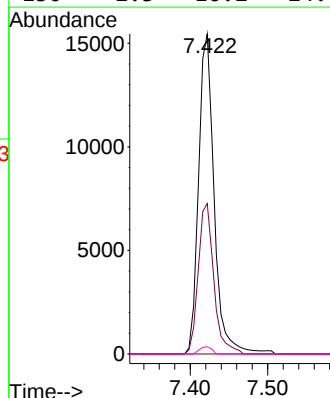
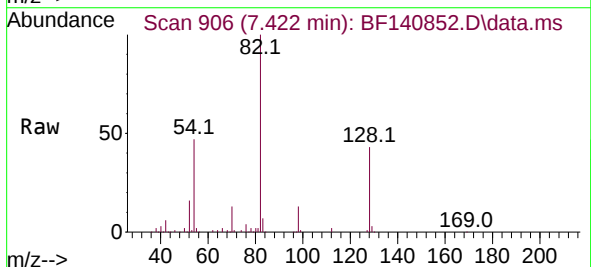
Instrument :
BNA_F
ClientSampleId :
MH-743RE

Tgt Ion: 99 Resp: 276091
Ion Ratio Lower Upper
99 100
42 17.1 15.4 23.0
71 37.0 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 12.281 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.135 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

Tgt Ion: 70 Resp: 21570
Ion Ratio Lower Upper
70 100
42 47.0 47.6 71.4#
101 0.0 7.6 11.4#
130 2.3 16.2 24.4#



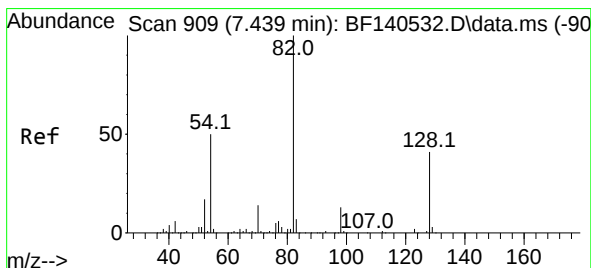
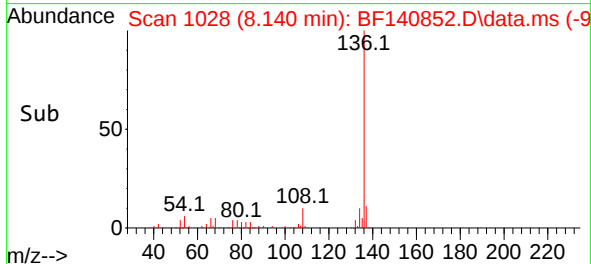
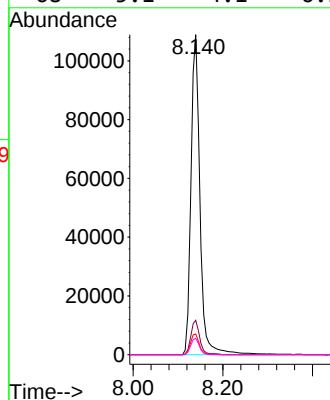
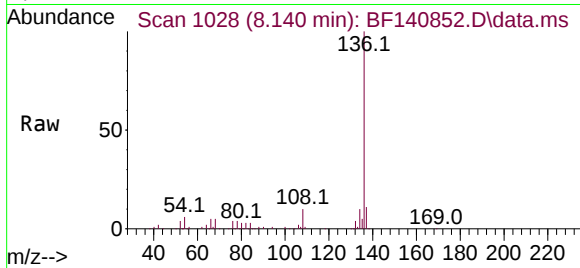


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

Instrument :
BNA_F
ClientSampleId :
MH-743RE

Tgt Ion:136 Resp: 151700

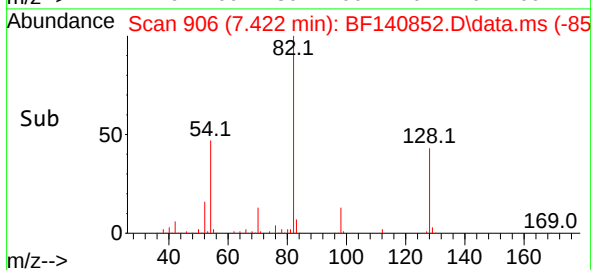
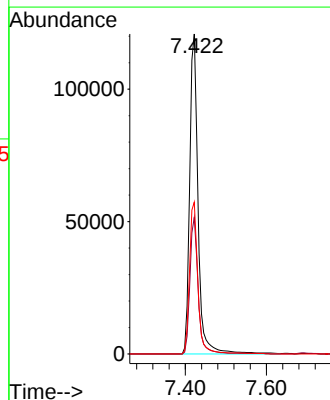
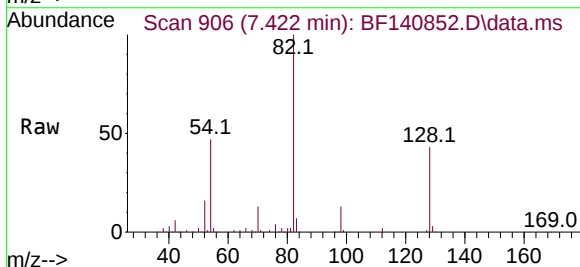
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	6.5	5.8	8.8
68	5.1	4.1	6.1

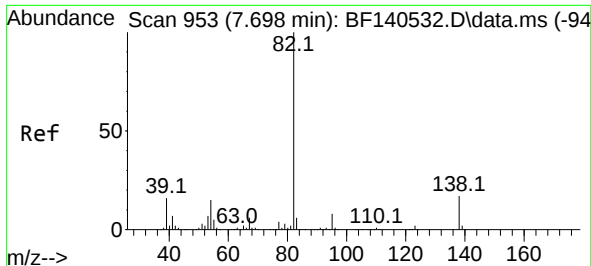


#23
Nitrobenzene-d5
Concen: 58.384 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

Tgt Ion: 82 Resp: 173155

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.0	49.4
54	47.5	39.5	59.3

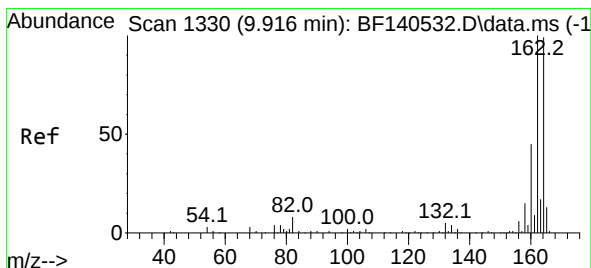
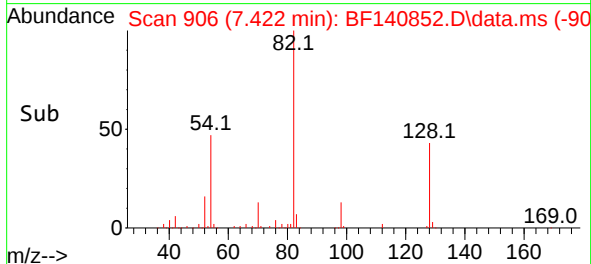
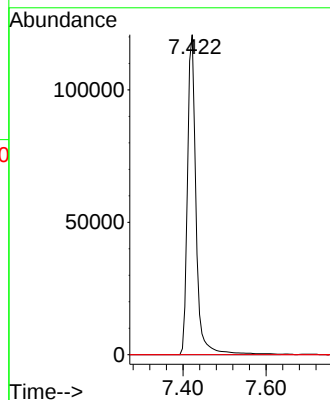
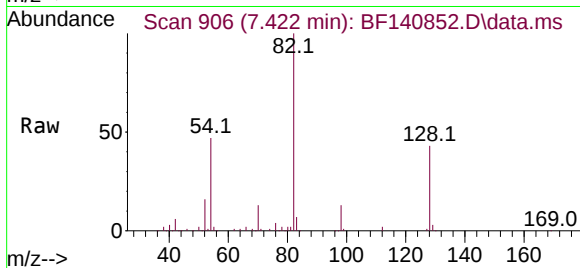




#25
Isophorone
Concen: 35.004 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

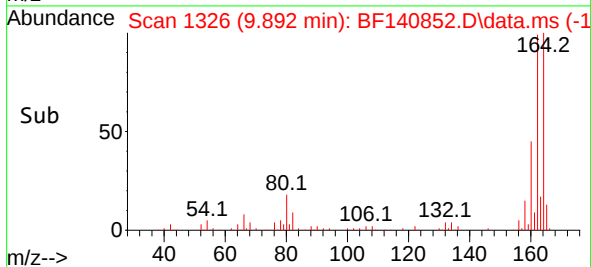
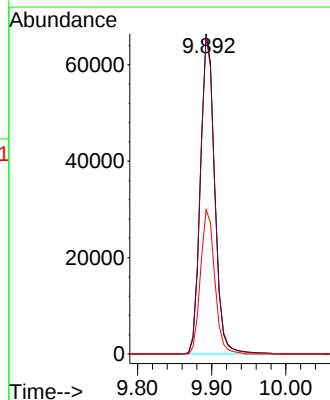
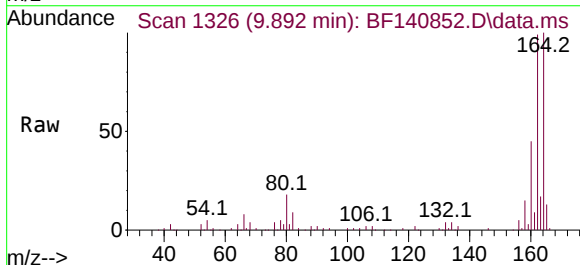
Instrument :
BNA_F
ClientSampleId :
MH-743RE

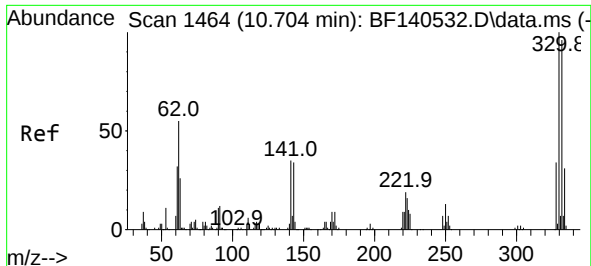
Tgt Ion: 82 Resp: 173154
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.023 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

Tgt Ion: 164 Resp: 88127
Ion Ratio Lower Upper
164 100
162 99.5 80.6 120.8
160 45.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 84.672 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF140852.D

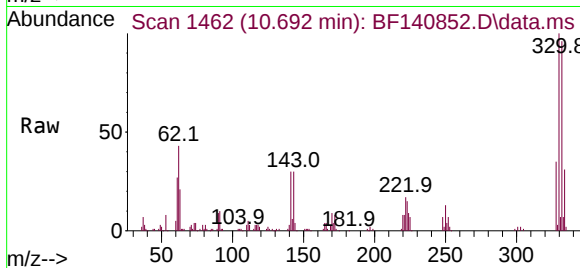
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Instrument :

BNA_F

ClientSampleId :

MH-743RE



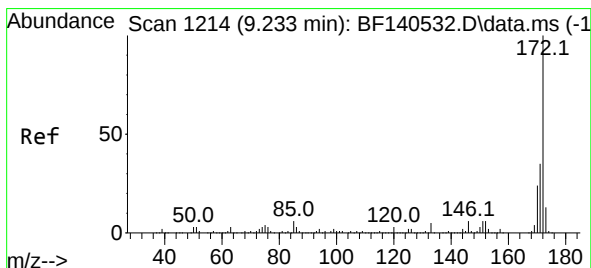
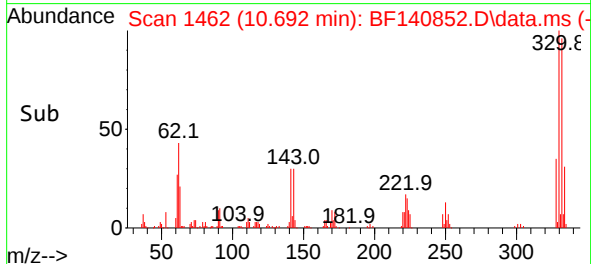
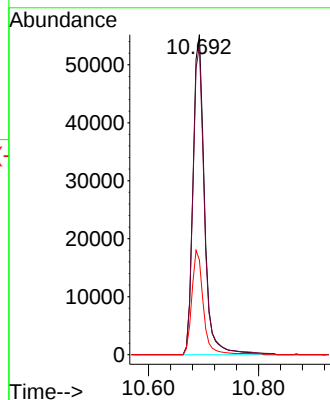
Tgt Ion:330 Resp: 79805

Ion Ratio Lower Upper

330 100

332 96.9 76.9 115.3

141 32.4 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 61.731 ng

RT: 9.210 min Scan# 1210

Delta R.T. -0.023 min

Lab File: BF140852.D

Acq: 13 Dec 2024 18:46

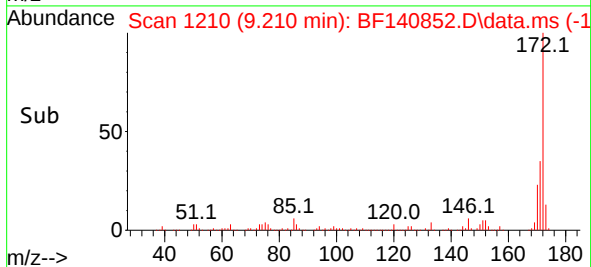
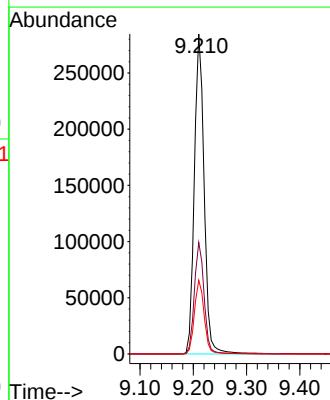
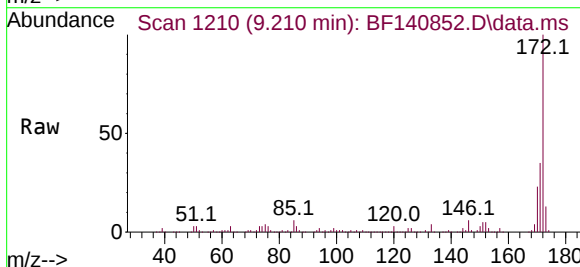
Tgt Ion:172 Resp: 365127

Ion Ratio Lower Upper

172 100

171 34.9 28.4 42.6

170 23.0 19.0 28.6

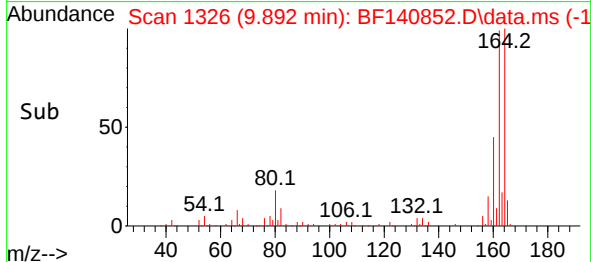
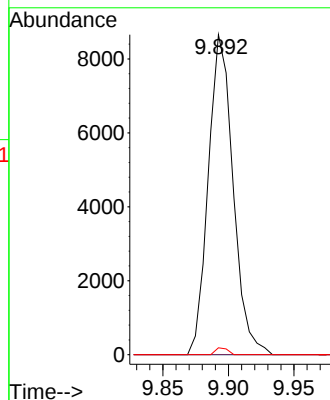
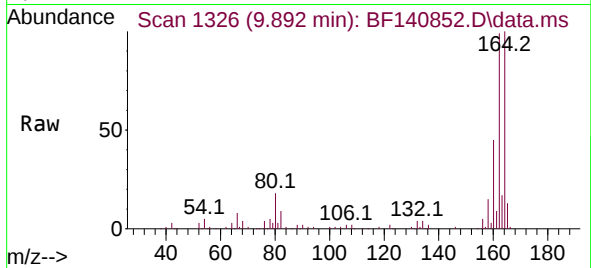




#51
2,6-Dinitrotoluene
Concen: 8.650 ng
RT: 9.892 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

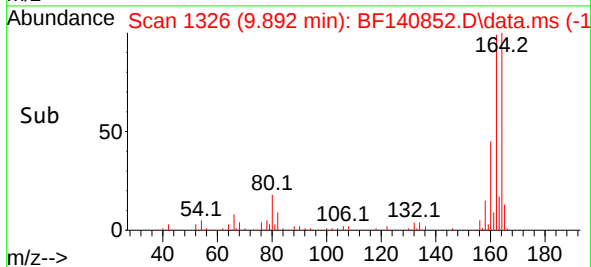
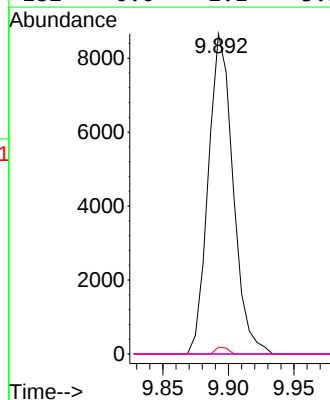
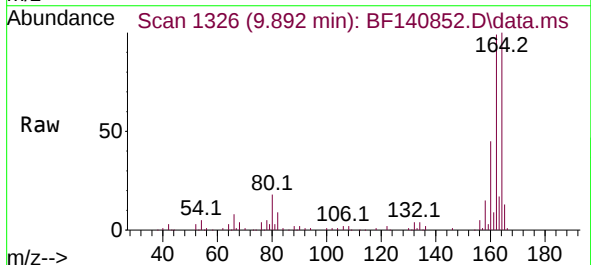
Instrument :
BNA_F
ClientSampleId :
MH-743RE

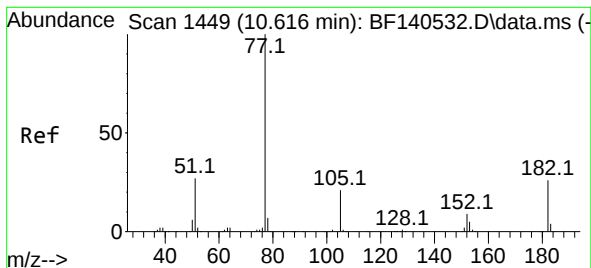
Tgt Ion:165 Resp: 11386
Ion Ratio Lower Upper
165 100
63 0.0 49.9 74.9#
89 2.1 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.508 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.212 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

Tgt Ion:165 Resp: 11386
Ion Ratio Lower Upper
165 100
63 0.0 41.7 62.5#
89 2.1 65.8 98.8#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 3.294 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF140852.D

Acq: 13 Dec 2024 18:46

Instrument :

BNA_F

ClientSampleId :

MH-743RE

Tgt Ion: 77 Resp: 18393

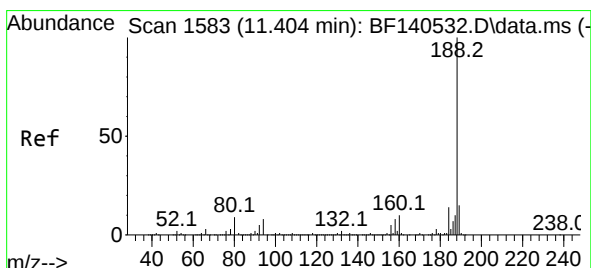
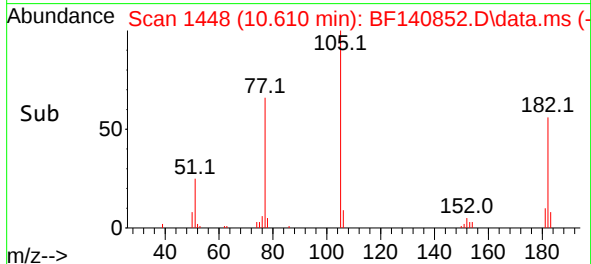
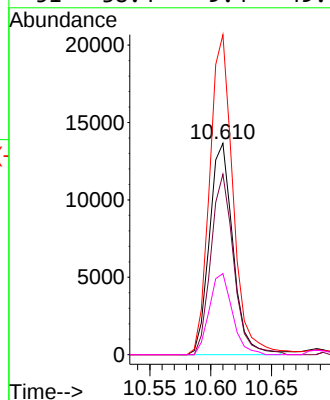
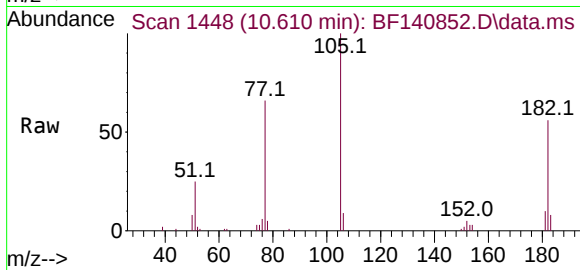
Ion Ratio Lower Upper

77 100

182 85.4 5.3 45.3#

105 151.4 0.3 40.3#

51 38.4 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.018 min

Lab File: BF140852.D

Acq: 13 Dec 2024 18:46

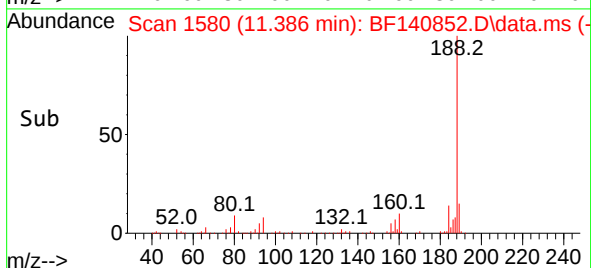
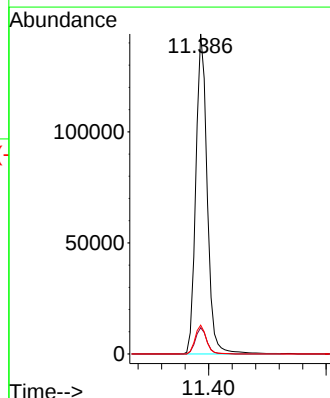
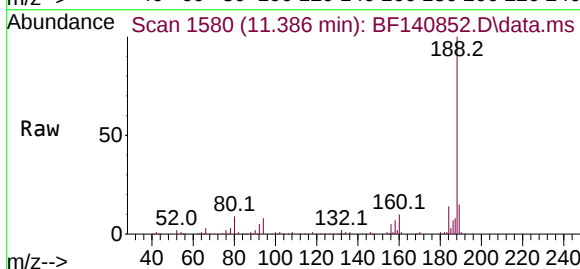
Tgt Ion: 188 Resp: 192744

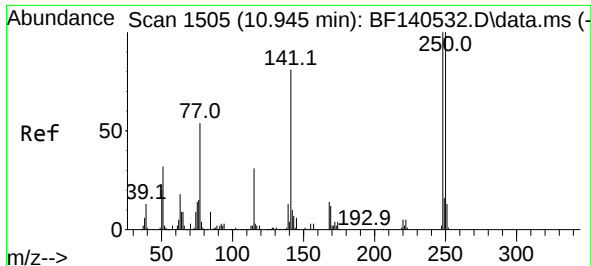
Ion Ratio Lower Upper

188 100

94 8.2 6.4 9.6

80 9.0 6.9 10.3

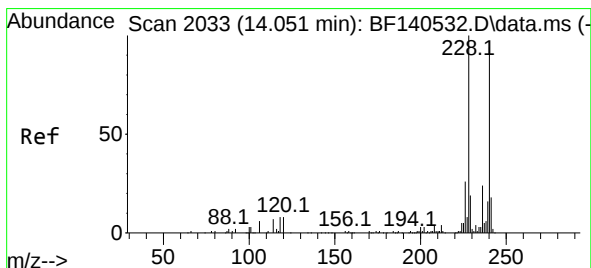
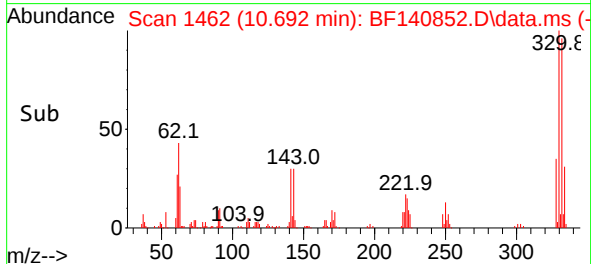
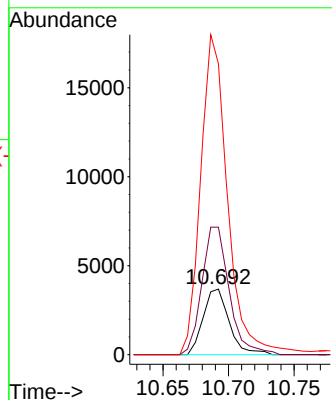
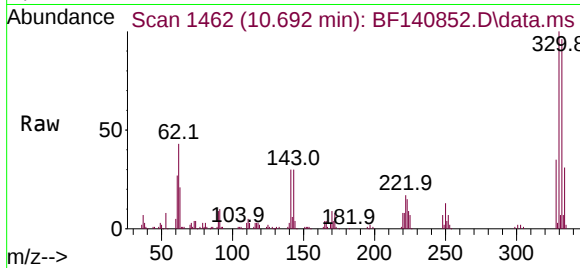




#67
4-Bromophenyl-phenylether
Concen: 2.566 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

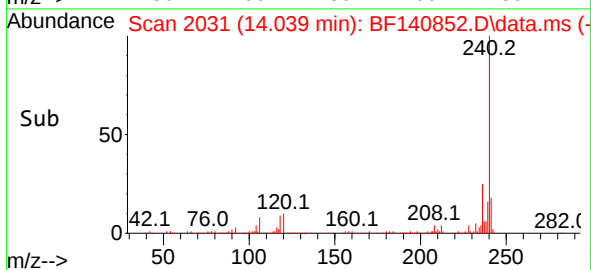
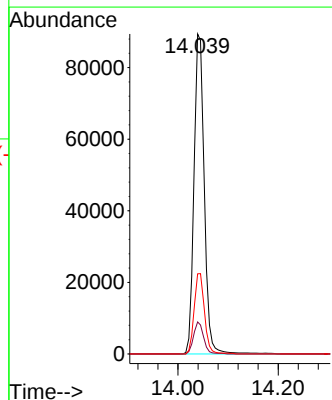
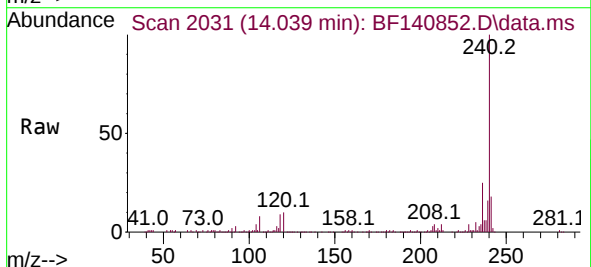
Instrument :
BNA_F
ClientSampleId :
MH-743RE

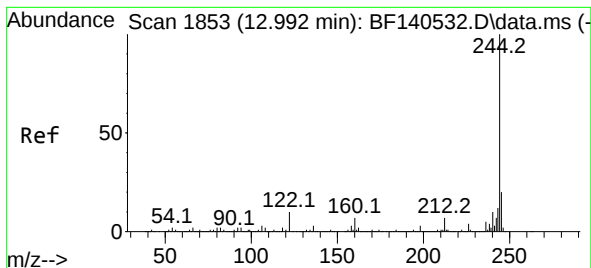
Tgt Ion:248 Resp: 5093
Ion Ratio Lower Upper
248 100
250 194.1 79.8 119.8#
141 443.0 64.7 97.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140852.D
Acq: 13 Dec 2024 18:46

Tgt Ion:240 Resp: 126994
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 25.1 20.6 31.0





#79

Terphenyl-d14

Concen: 54.835 ng

RT: 12.969 min Scan# 1849

Delta R.T. -0.023 min

Lab File: BF140852.D

Acq: 13 Dec 2024 18:46

Instrument :

BNA_F

ClientSampleId :

MH-743RE

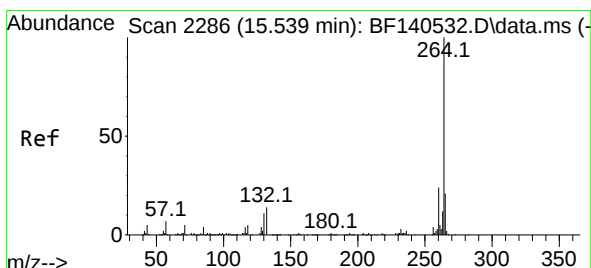
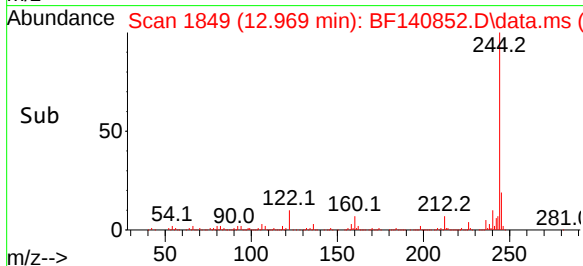
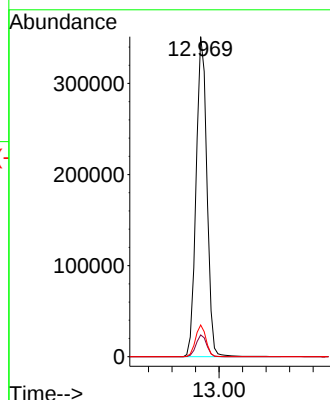
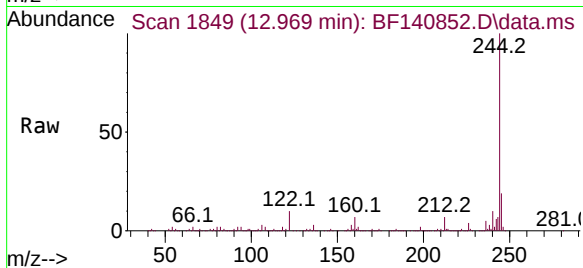
Tgt Ion:244 Resp: 447212

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 9.9 8.0 12.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2287

Delta R.T. 0.006 min

Lab File: BF140852.D

Acq: 13 Dec 2024 18:46

Tgt Ion:264 Resp: 118264

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

265 21.2 16.6 25.0

