

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140091.D
 Acq On : 28 Oct 2024 17:07
 Operator : RC/JU
 Sample : P4545-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-215

Quant Time: Oct 28 17:35:50 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)

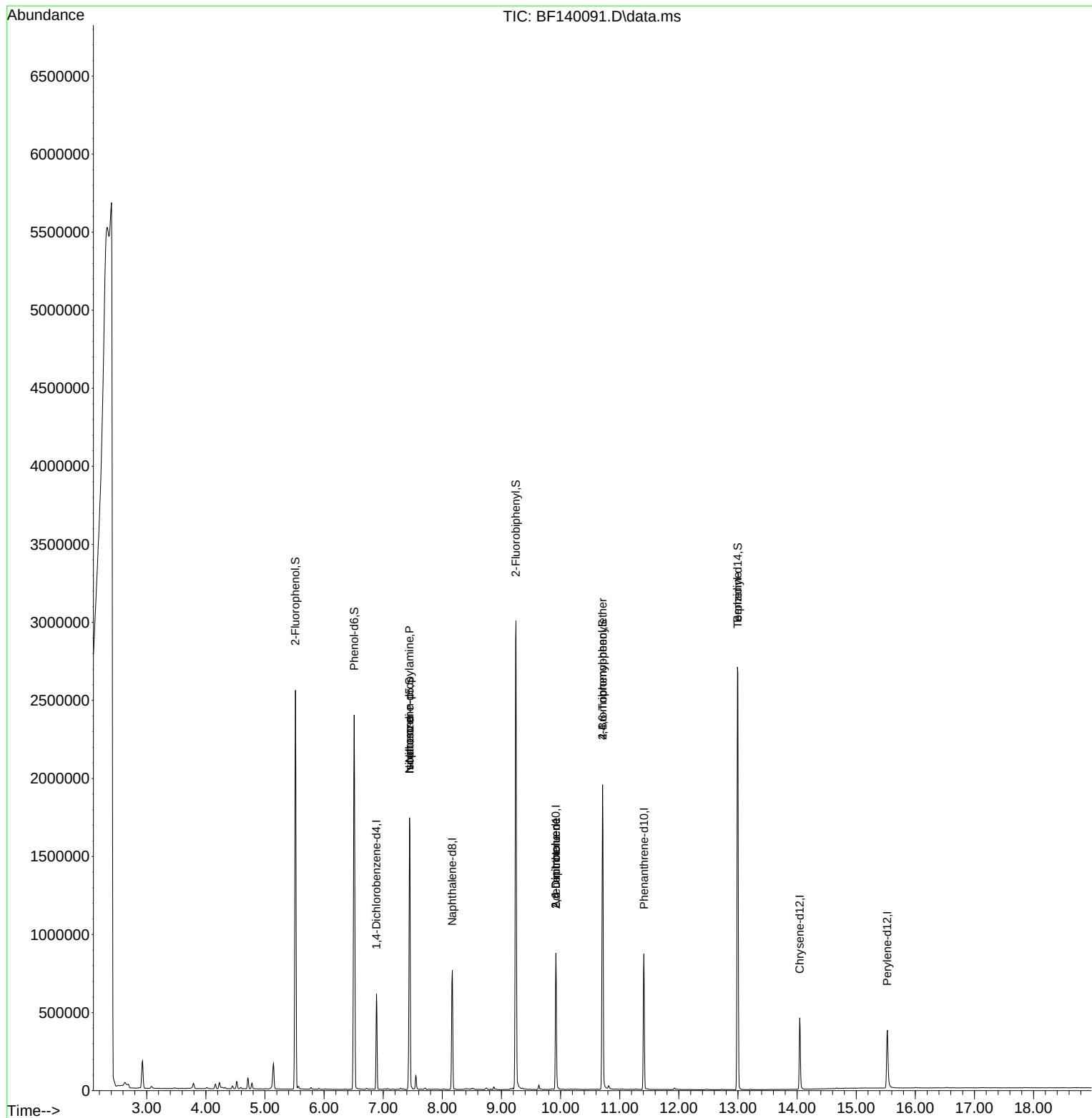
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	121273	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	468722	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	261868	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	455970	20.000	ng	0.00
76) Chrysene-d12	14.045	240	227734	20.000	ng	0.00
86) Perylene-d12	15.527	264	257940	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	977022	126.122	ng	0.02
7) Phenol-d6	6.510	99	1187458	118.353	ng	0.00
23) Nitrobenzene-d5	7.445	82	807154	95.441	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	352300	143.829	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1427989	90.123	ng	0.00
79) Terphenyl-d14	12.998	244	1449041	103.682	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	110424	18.147	ng	# 76
25) Isophorone	7.445	82	801828	49.953	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	34013	9.631	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	34013	7.832	ng	# 21
67) 4-Bromophenyl-phenylether	10.710	248	22633	4.818	ng	# 1
77) Benzidine	12.992	184	17201	4.593	ng	# 93

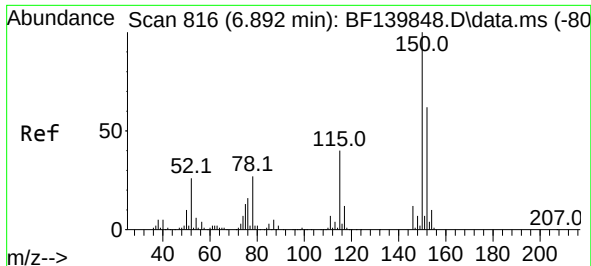
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

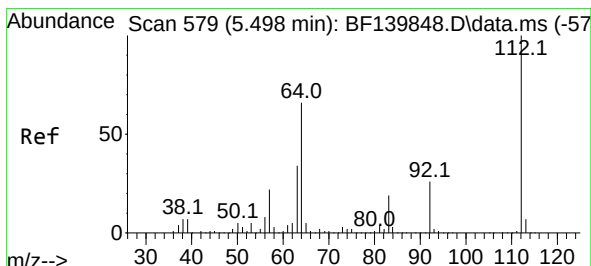
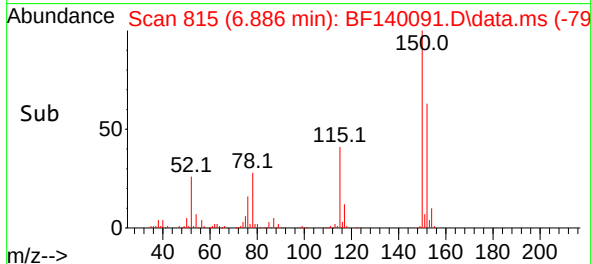
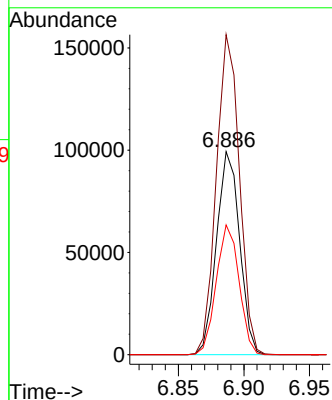
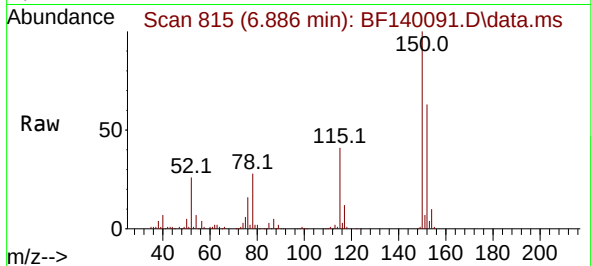




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140091.D
Acq: 28 Oct 2024 17:07

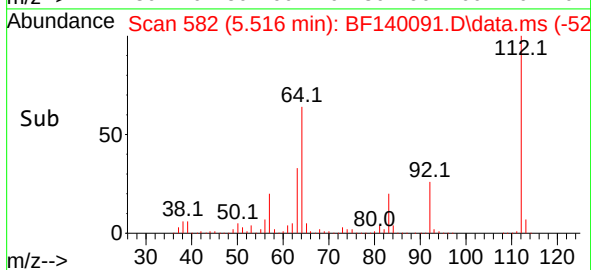
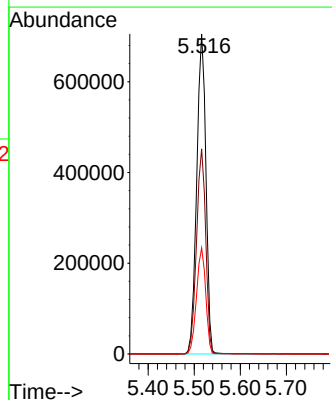
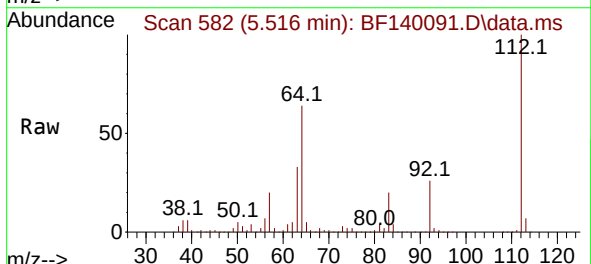
Instrument :
BNA_F
ClientSampleId :
VNJ-215

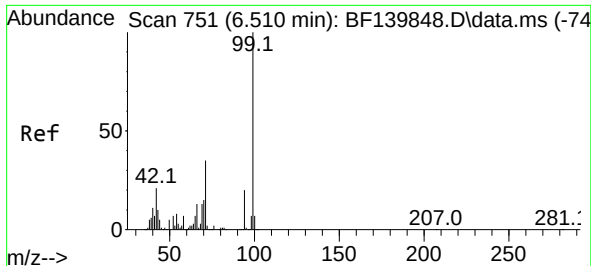
Tgt Ion:152 Resp: 121273
Ion Ratio Lower Upper
152 100
150 157.7 130.2 195.2
115 63.9 51.4 77.2



#5
2-Fluorophenol
Concen: 126.122 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140091.D
Acq: 28 Oct 2024 17:07

Tgt Ion:112 Resp: 977022
Ion Ratio Lower Upper
112 100
64 64.1 53.0 79.6
63 33.2 27.0 40.4





#7
Phenol-d6
Concen: 118.353 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF140091.D
Acq: 28 Oct 2024 17:07

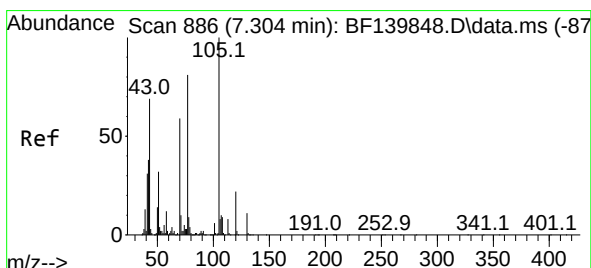
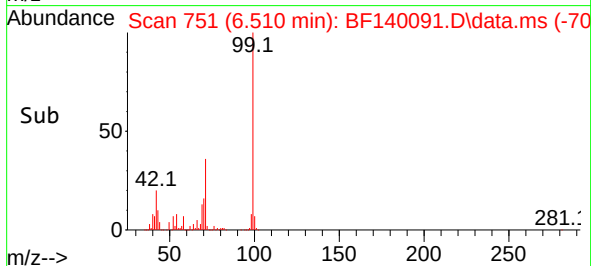
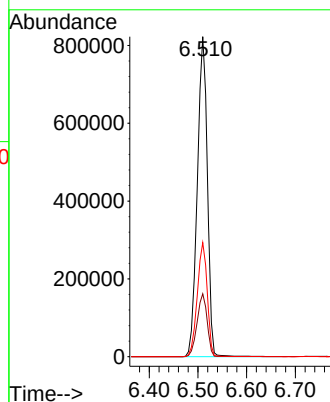
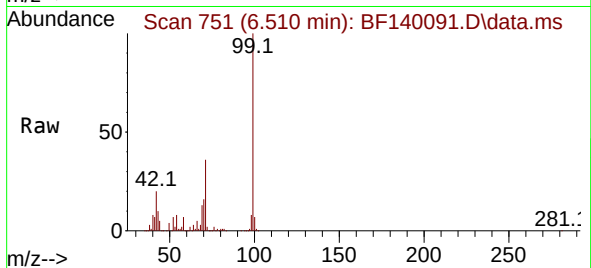
Instrument :

BNA_F

ClientSampleId :

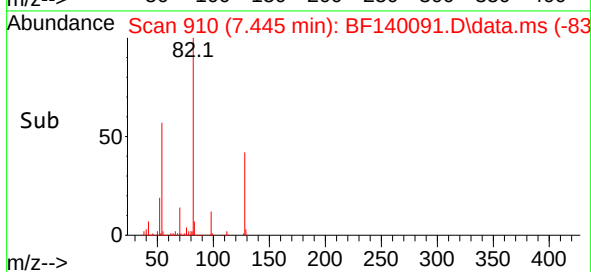
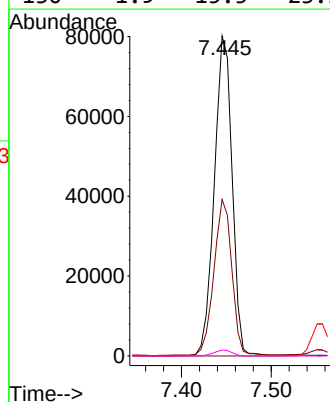
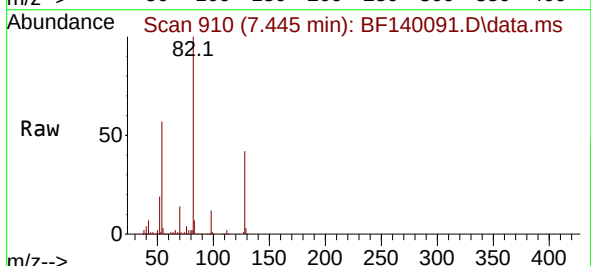
VNJ-215

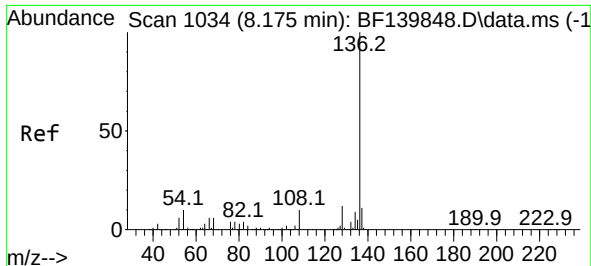
Tgt Ion: 99 Resp: 1187458
Ion Ratio Lower Upper
99 100
42 19.6 16.7 25.1
71 35.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 18.147 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140091.D
Acq: 28 Oct 2024 17:07

Tgt Ion: 70 Resp: 110424
Ion Ratio Lower Upper
70 100
42 48.9 51.5 77.3#
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#



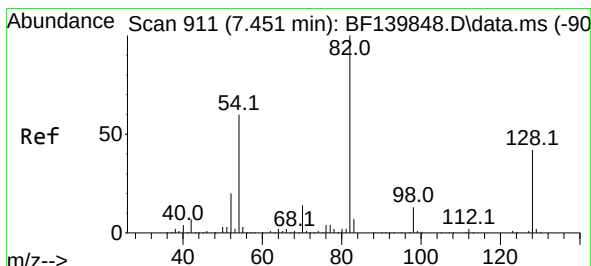
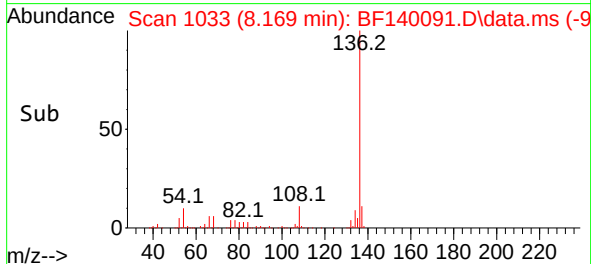
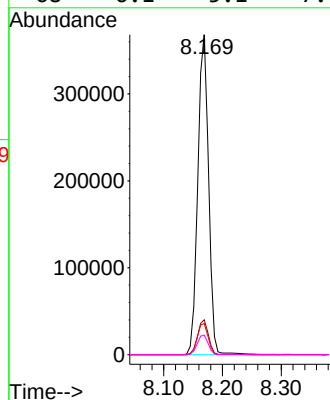
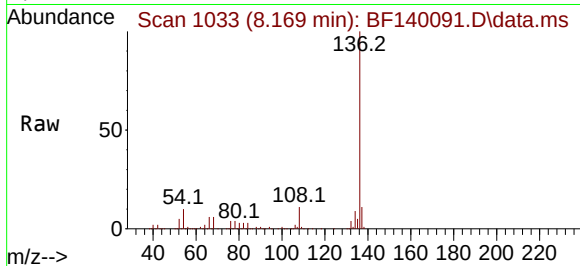


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140091.D
Acq: 28 Oct 2024 17:07

Instrument :
BNA_F
ClientSampleId :
VNJ-215

Tgt Ion:136 Resp: 468722

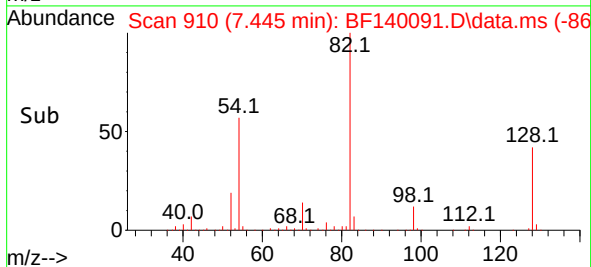
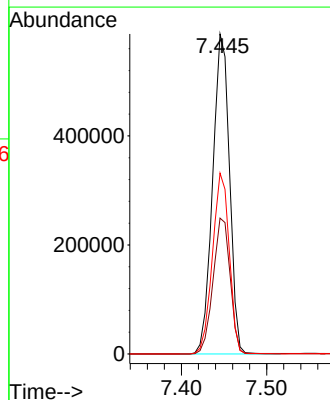
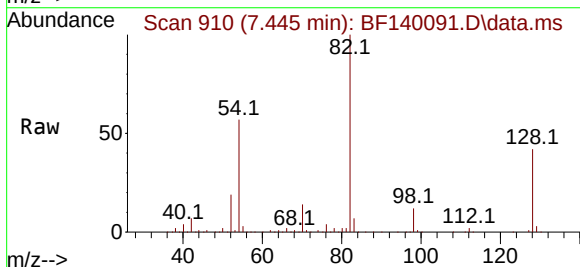
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.8	8.4	12.6
68	6.1	5.1	7.7

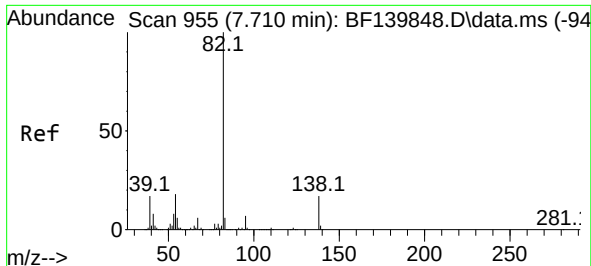


#23
Nitrobenzene-d5
Concen: 95.441 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140091.D
Acq: 28 Oct 2024 17:07

Tgt Ion: 82 Resp: 807154

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.4	50.0
54	56.5	47.8	71.8

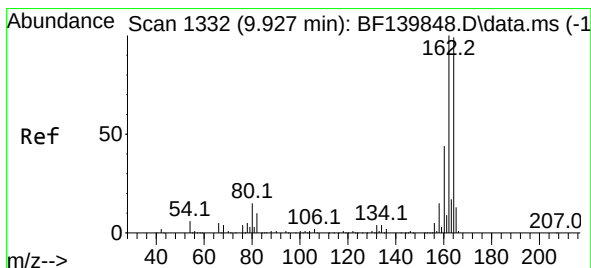
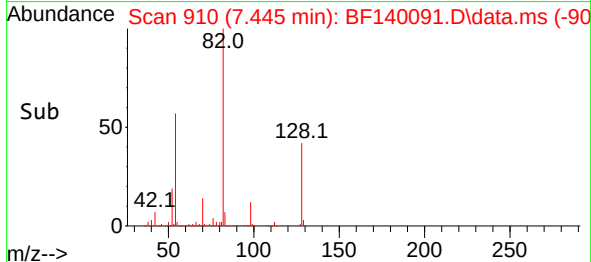
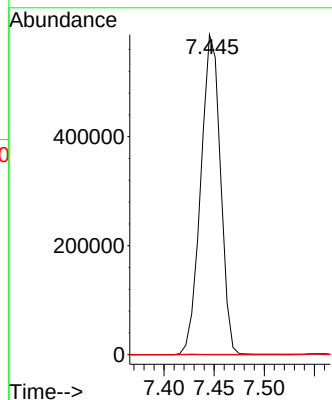
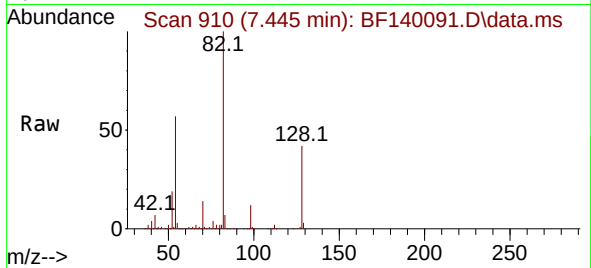




#25
Isophorone
Concen: 49.953 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF140091.D
Acq: 28 Oct 2024 17:07

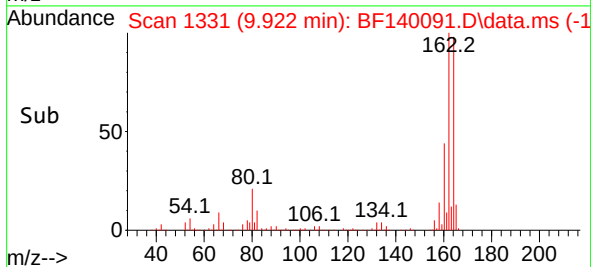
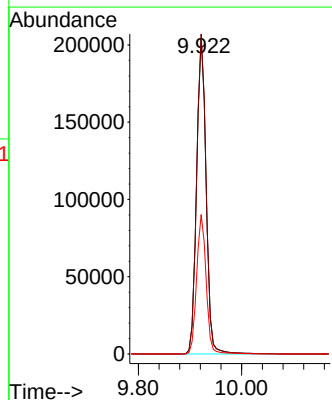
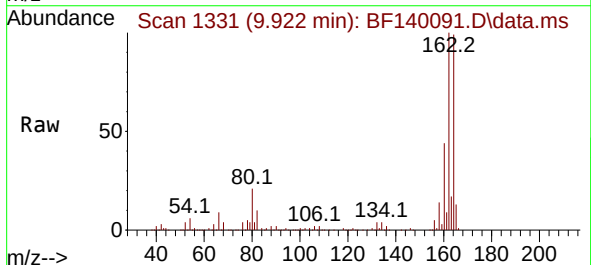
Instrument :
BNA_F
ClientSampleId :
VNJ-215

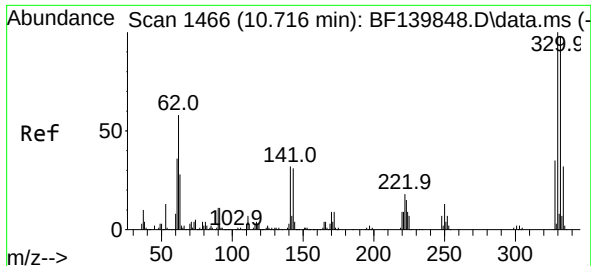
Tgt Ion: 82 Resp: 801828
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140091.D
Acq: 28 Oct 2024 17:07

Tgt Ion:164 Resp: 261868
Ion Ratio Lower Upper
164 100
162 101.2 81.0 121.4
160 44.1 35.4 53.0

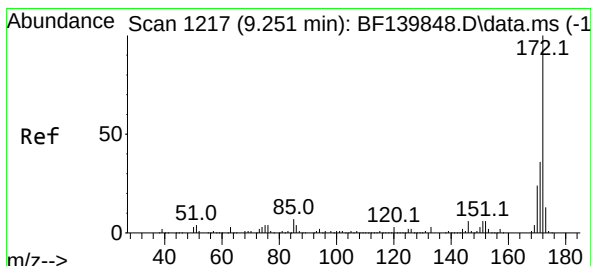
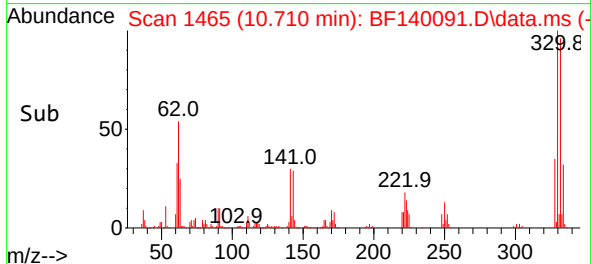
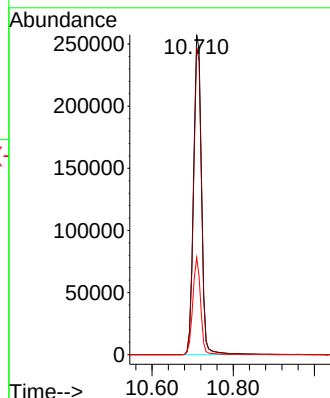
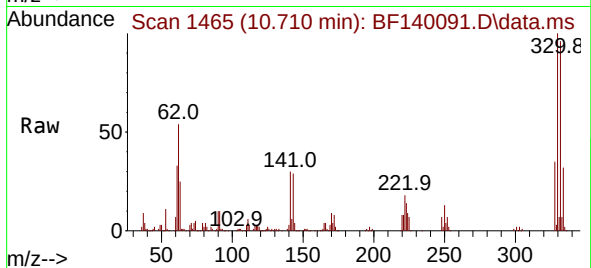




#42
 2,4,6-Tribromophenol
 Concen: 143.829 ng
 RT: 10.710 min Scan# 1465
 Delta R.T. -0.006 min
 Lab File: BF140091.D
 Acq: 28 Oct 2024 17:07

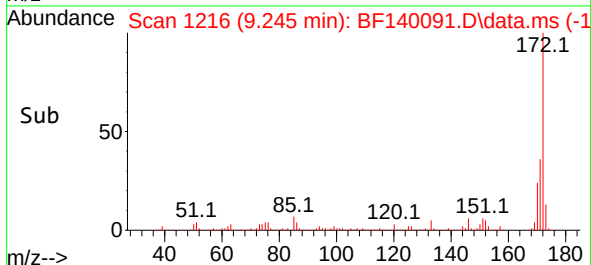
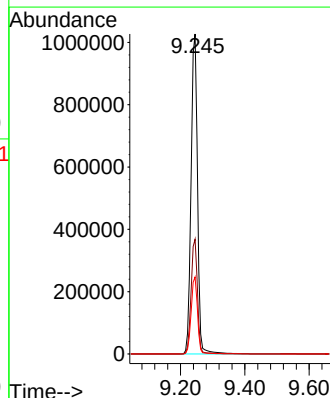
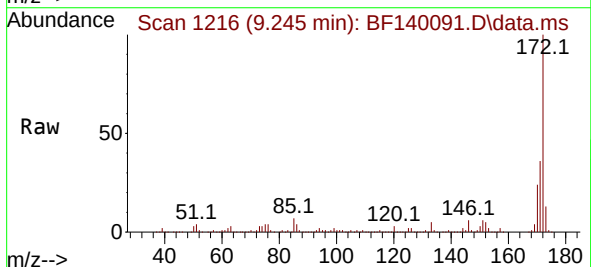
Instrument :
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 ClientSampleId :
 VNJ-215

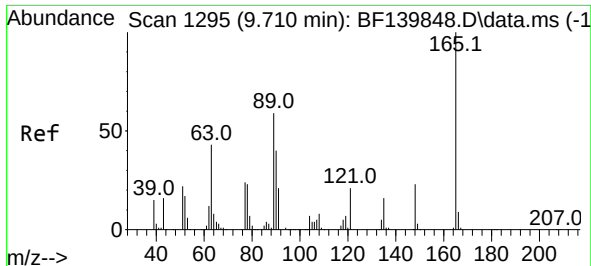
Tgt Ion:330 Resp: 352300
 Ion Ratio Lower Upper
 330 100
 332 96.2 78.1 117.1
 141 29.7 26.6 39.8



#45
 2-Fluorobiphenyl
 Concen: 90.123 ng
 RT: 9.245 min Scan# 1216
 Delta R.T. -0.006 min
 Lab File: BF140091.D
 Acq: 28 Oct 2024 17:07

Tgt Ion:172 Resp: 1427989
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 24.0 19.1 28.7

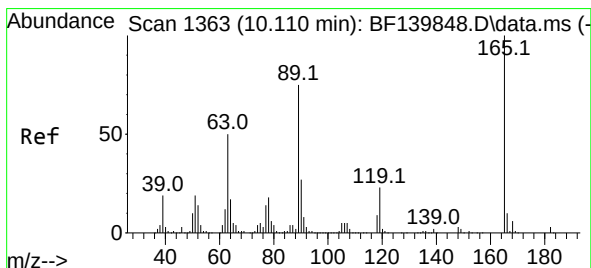
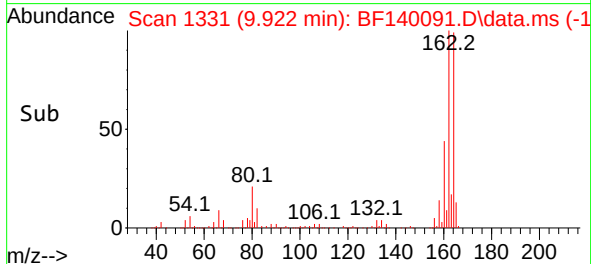
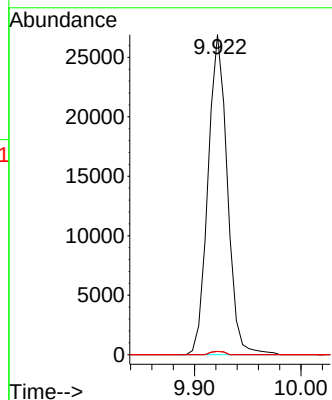
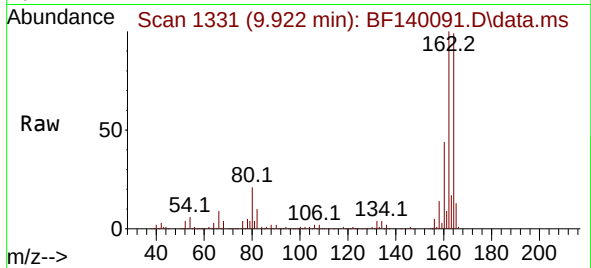




#51
2,6-Dinitrotoluene
Concen: 9.631 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140091.D
Acq: 28 Oct 2024 17:07

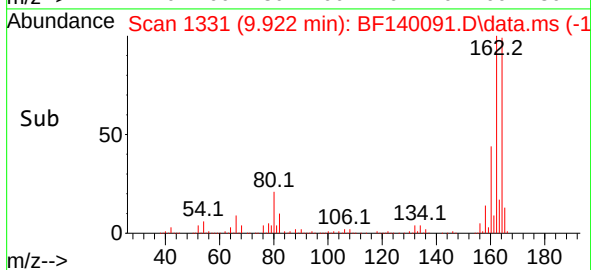
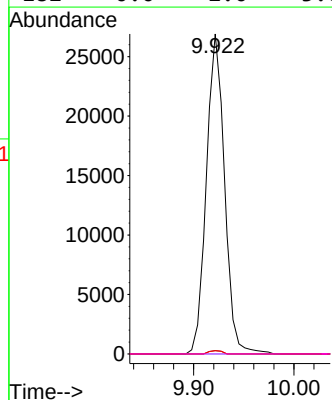
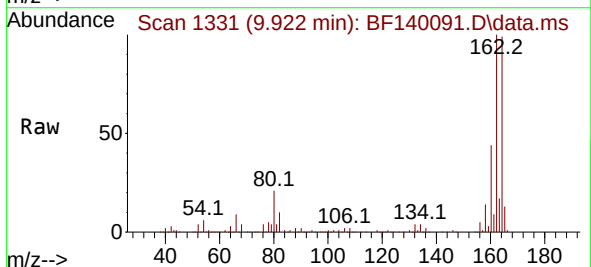
Instrument :
BNA_F
ClientSampleId :
VNJ-215

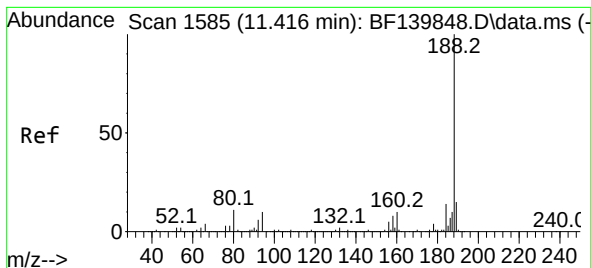
Tgt Ion:165 Resp: 34013
Ion Ratio Lower Upper
165 100
63 1.0 50.6 75.8#
89 1.0 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.832 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140091.D
Acq: 28 Oct 2024 17:07

Tgt Ion:165 Resp: 34013
Ion Ratio Lower Upper
165 100
63 1.0 40.1 60.1#
89 1.0 60.4 90.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140091.D

Acq: 28 Oct 2024 17:07

Instrument :

BNA_F

ClientSampleId :

VNJ-215

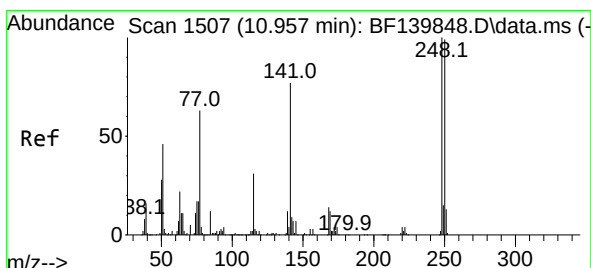
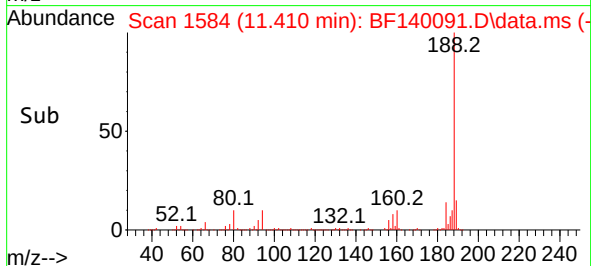
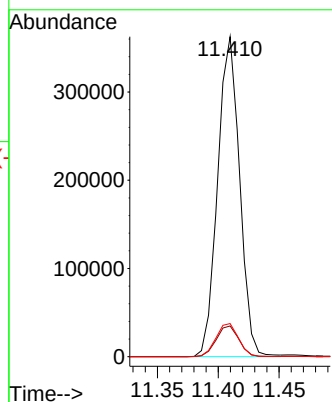
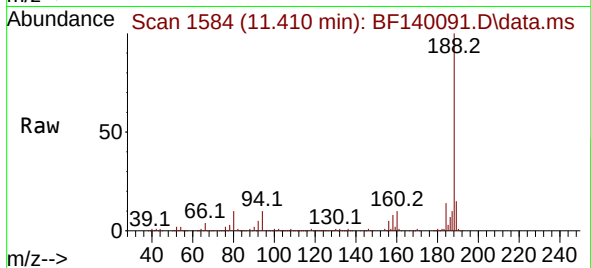
Tgt Ion:188 Resp: 455970

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

80 10.3 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 4.818 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.247 min

Lab File: BF140091.D

Acq: 28 Oct 2024 17:07

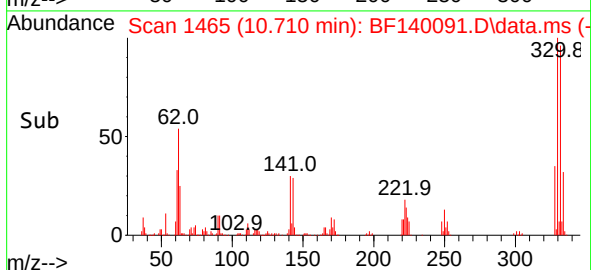
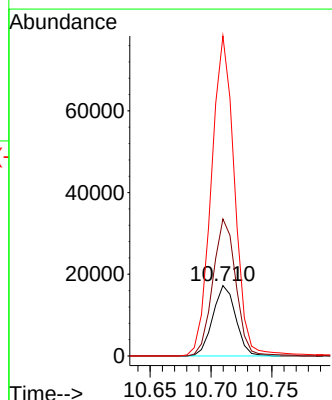
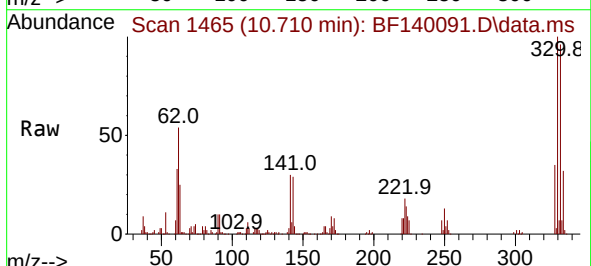
Tgt Ion:248 Resp: 22633

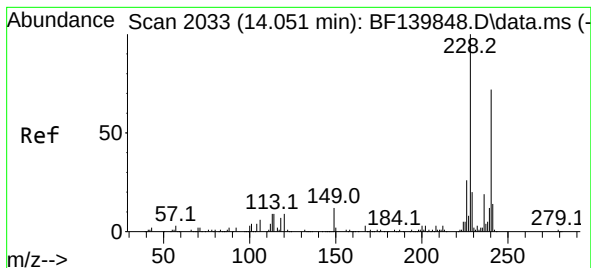
Ion Ratio Lower Upper

248 100

250 194.7 79.0 118.6#

141 454.8 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: BF140091.D

Acq: 28 Oct 2024 17:07

Instrument :

BNA_F

ClientSampleId :

VNJ-215

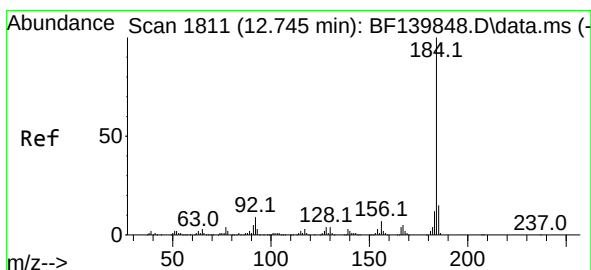
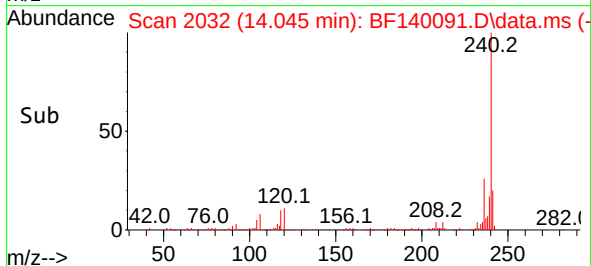
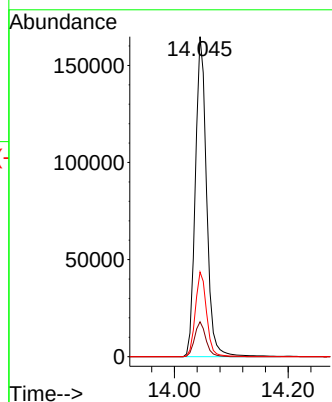
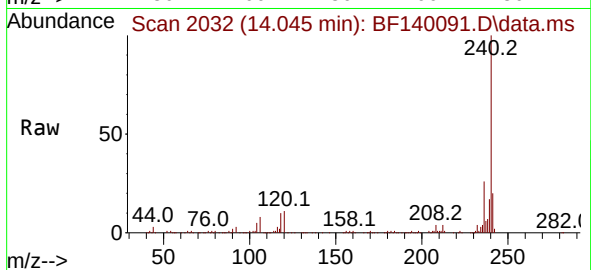
Tgt Ion:240 Resp: 227734

Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.2

236 26.4 20.9 31.3



#77

Benzidine

Concen: 4.593 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF140091.D

Acq: 28 Oct 2024 17:07

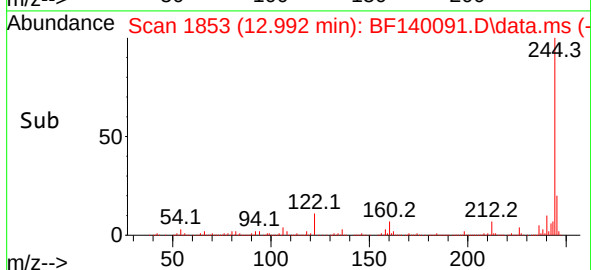
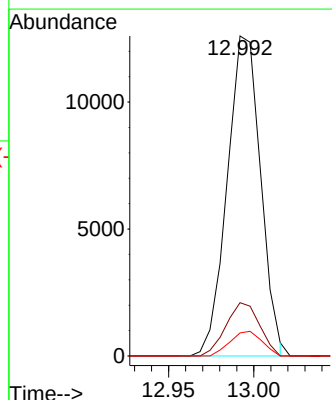
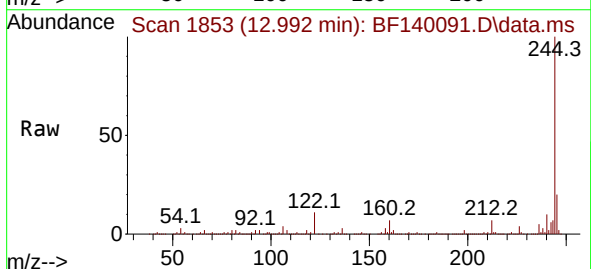
Tgt Ion:184 Resp: 17201

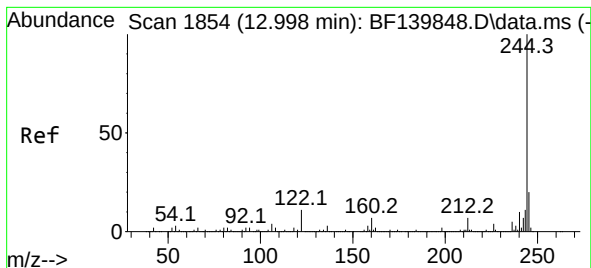
Ion Ratio Lower Upper

184 100

185 16.7 12.0 18.0

183 7.2 9.4 14.2#





#79

Terphenyl-d14

Concen: 103.682 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140091.D

Acq: 28 Oct 2024 17:07

Instrument :

BNA_F

ClientSampleId :

VNJ-215

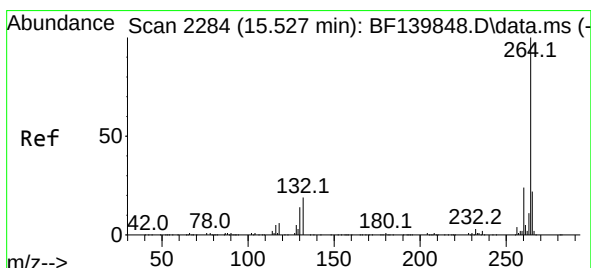
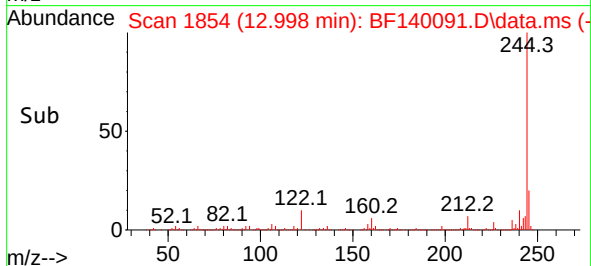
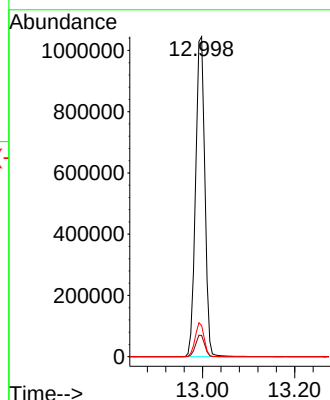
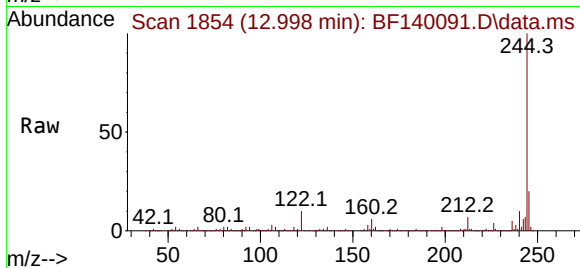
Tgt Ion:244 Resp: 1449041

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 9.7 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF140091.D

Acq: 28 Oct 2024 17:07

Tgt Ion:264 Resp: 257940

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 21.7 17.4 26.0

