

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140183.D
 Acq On : 31 Oct 2024 12:33
 Operator : RC/JU
 Sample : P4616-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BP-F10

Quant Time: Oct 31 13:34:01 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)

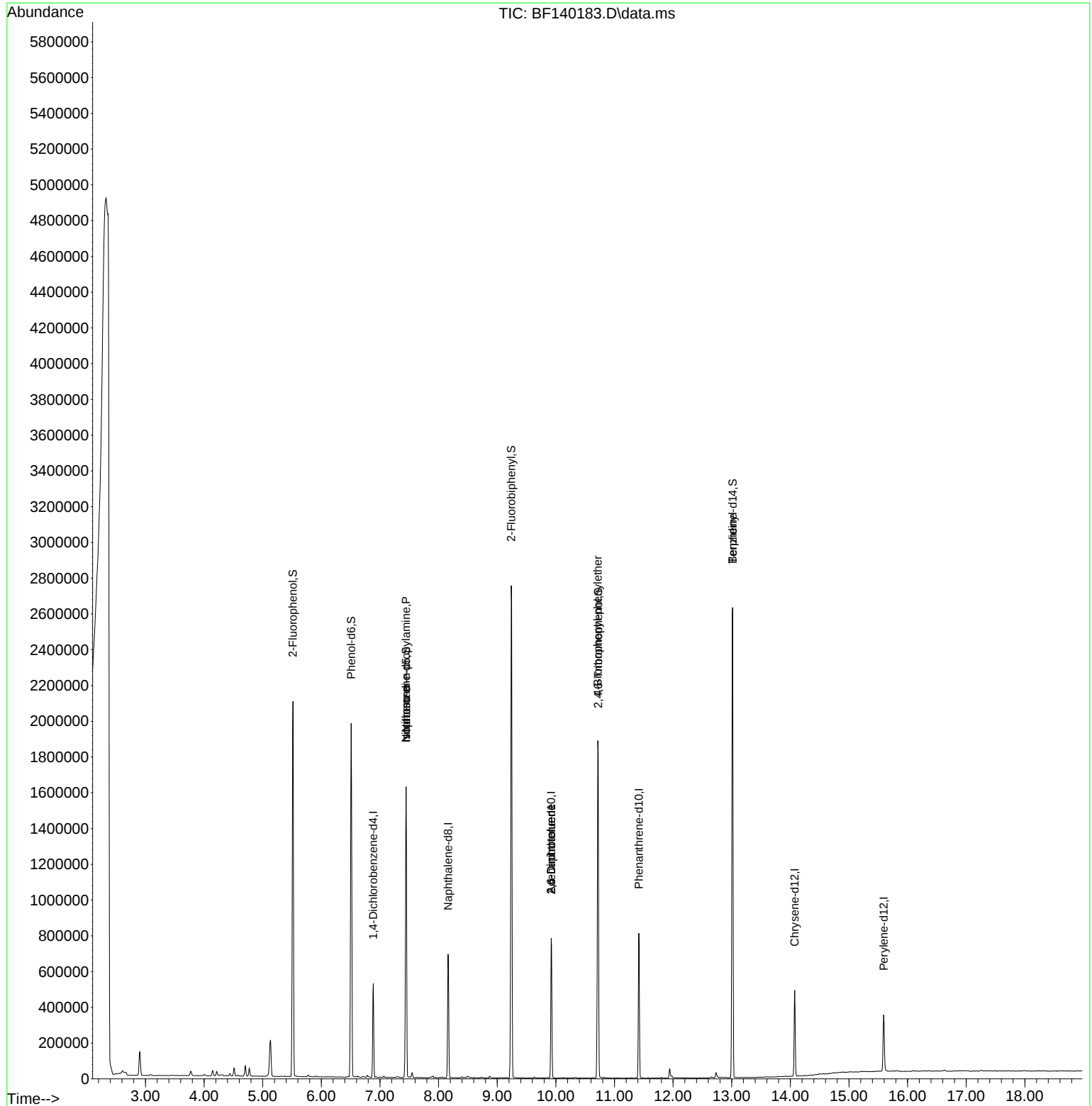
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	105803	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	410849	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	234900	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	426856	20.000	ng	0.00
76) Chrysene-d12	14.074	240	225574	20.000	ng	0.02
86) Perylene-d12	15.592	264	185140	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	786201	116.328	ng	0.02
7) Phenol-d6	6.510	99	936150	106.948	ng	0.00
23) Nitrobenzene-d5	7.445	82	739503	99.759	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	344461	156.774	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1292656	90.948	ng	-0.01
79) Terphenyl-d14	13.015	244	1382004	99.832	ng	0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	101175	19.058	ng	# 76
25) Isophorone	7.445	82	736955	52.379	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	30460	9.615	ng	# 22
57) 2,4-Dinitrotoluene	9.922	165	30460	7.819	ng	# 21
67) 4-Bromophenyl-phenylether	10.716	248	22507	5.118	ng	# 1
77) Benzidine	13.015	184	18064	4.870	ng	# 93

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

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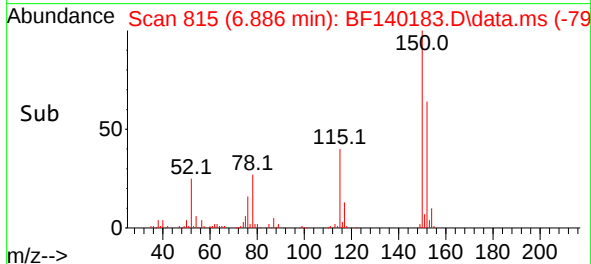
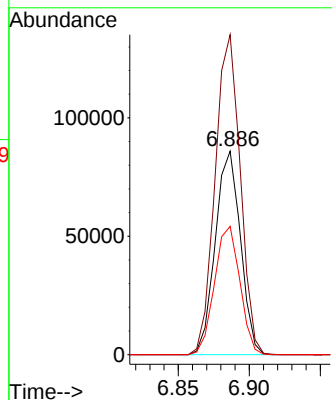
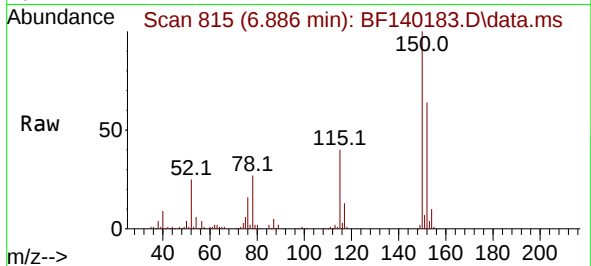




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

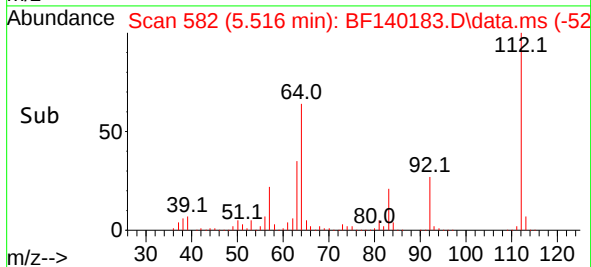
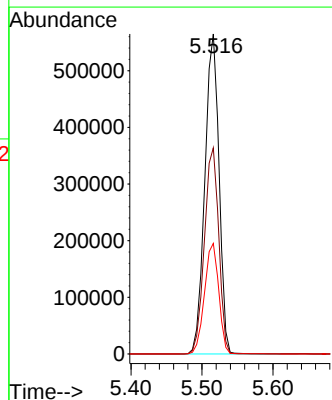
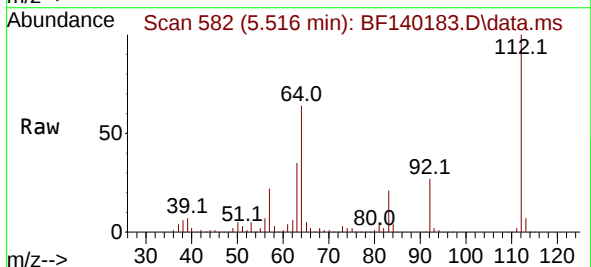
Instrument :
BNA_F
ClientSampleId :
BP-F10

Tgt Ion:152 Resp: 105803
Ion Ratio Lower Upper
152 100
150 157.2 130.2 195.2
115 63.0 51.4 77.2



#5
2-Fluorophenol
Concen: 116.328 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.018 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

Tgt Ion:112 Resp: 786201
Ion Ratio Lower Upper
112 100
64 64.4 53.0 79.6
63 34.5 27.0 40.4

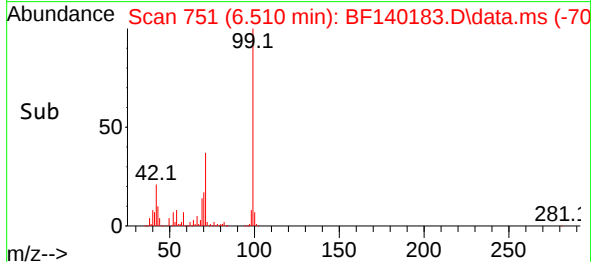
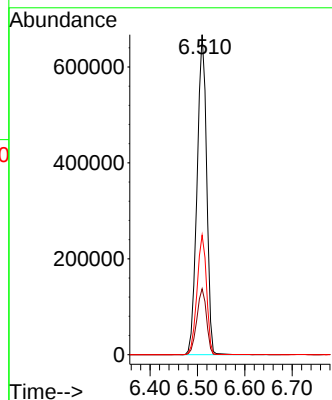
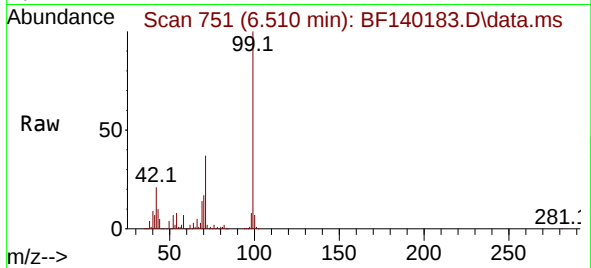




#7
Phenol-d6
Concen: 106.948 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.000 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

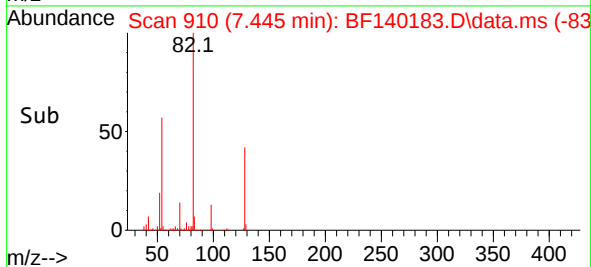
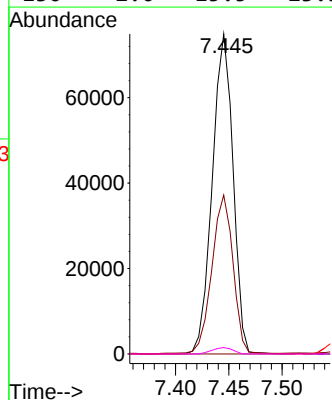
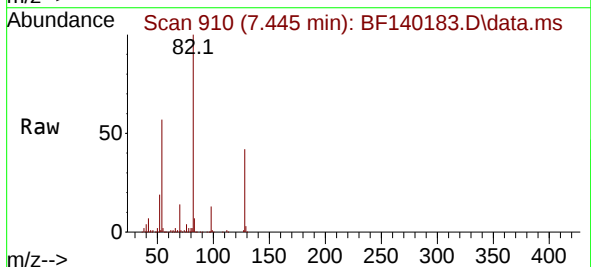
Instrument :
BNA_F
ClientSampleId :
BP-F10

Tgt Ion: 99 Resp: 936150
Ion Ratio Lower Upper
99 100
42 20.6 16.7 25.1
71 37.3 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 19.058 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

Tgt Ion: 70 Resp: 101175
Ion Ratio Lower Upper
70 100
42 49.6 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



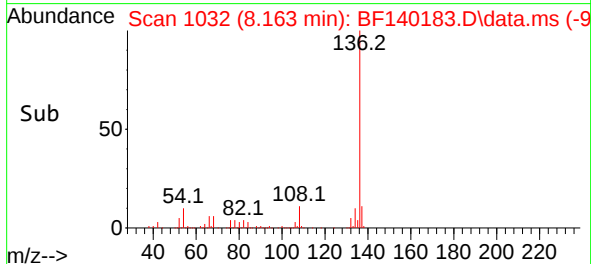
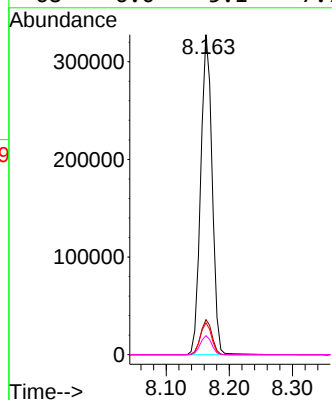
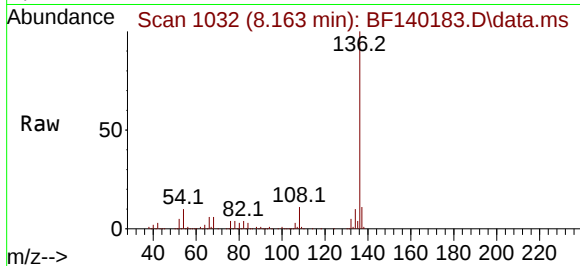


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

Instrument :
BNA_F
ClientSampleId :
BP-F10

Tgt Ion:136 Resp: 410849

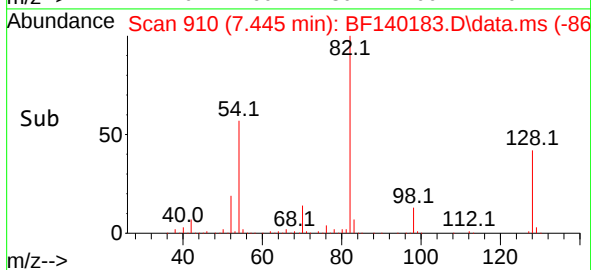
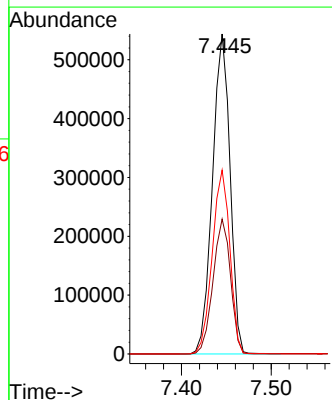
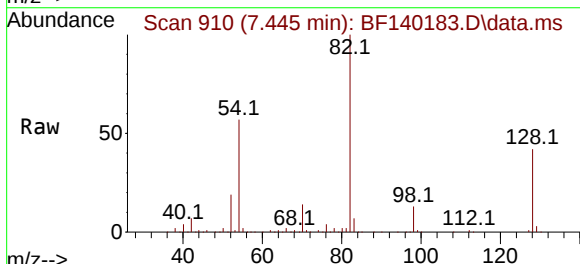
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.0	8.4	12.6
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 99.759 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

Tgt Ion: 82 Resp: 739503

Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.4	50.0
54	57.5	47.8	71.8

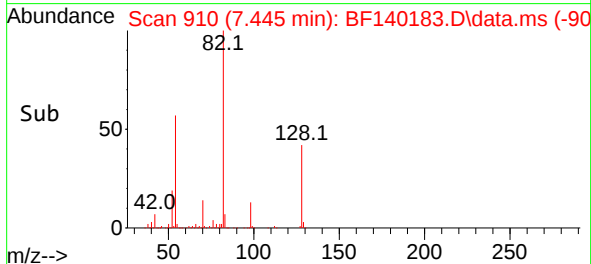
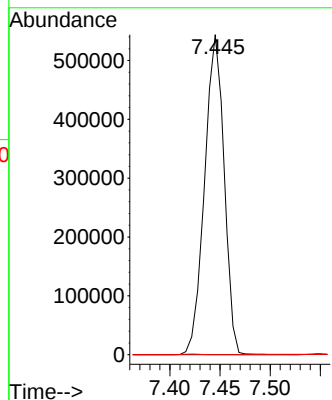
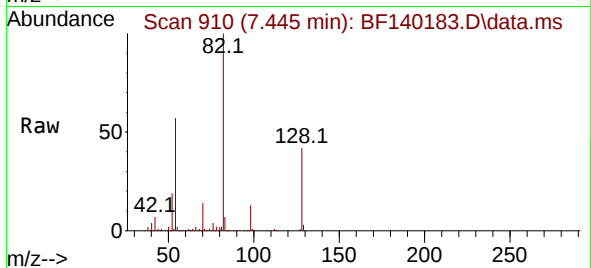




#25
Isophorone
Concen: 52.379 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

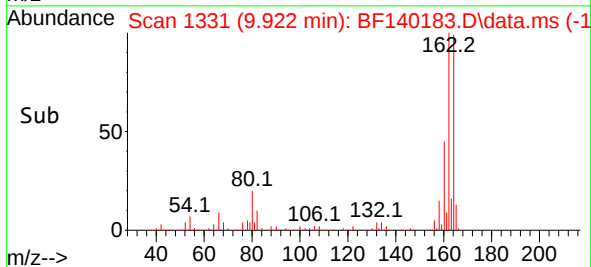
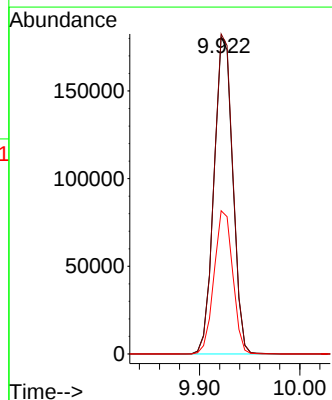
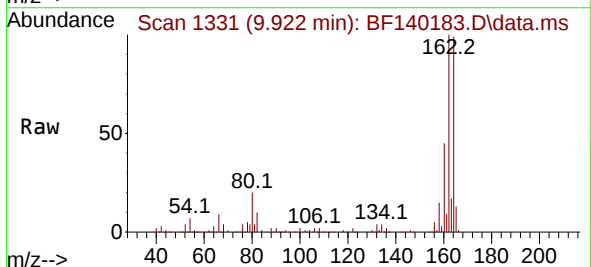
Instrument :
BNA_F
ClientSampleId :
BP-F10

Tgt Ion: 82 Resp: 736955
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: BF140183.D
Acq: 31 Oct 2024 12:33

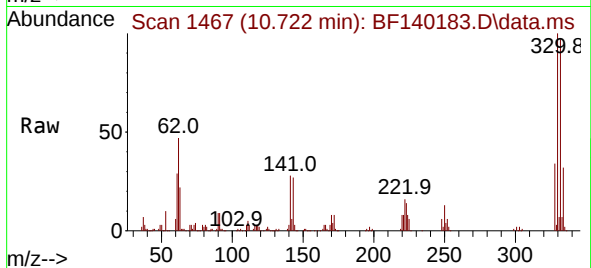
Tgt Ion:164 Resp: 234900
Ion Ratio Lower Upper
164 100
162 101.0 81.0 121.4
160 45.2 35.4 53.0



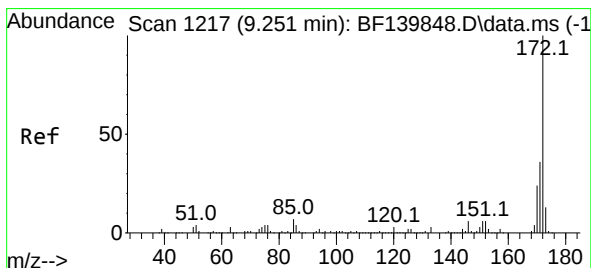
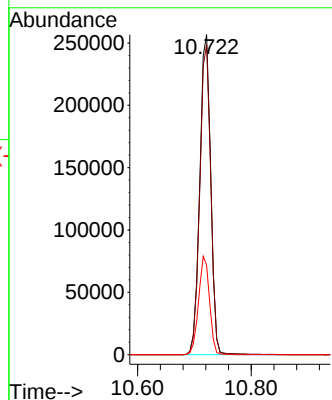
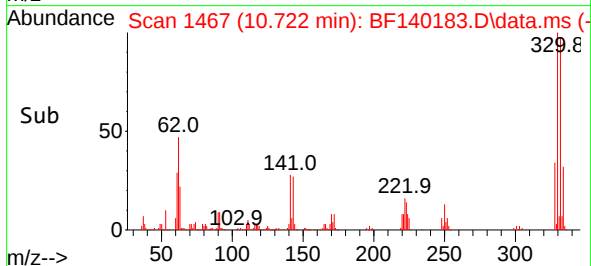


#42
2,4,6-Tribromophenol
Concen: 156.774 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

Instrument :
BNA_F
ClientSampleId :
BP-F10

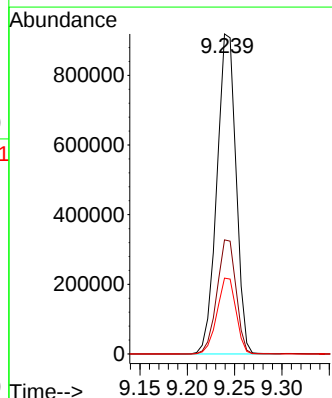
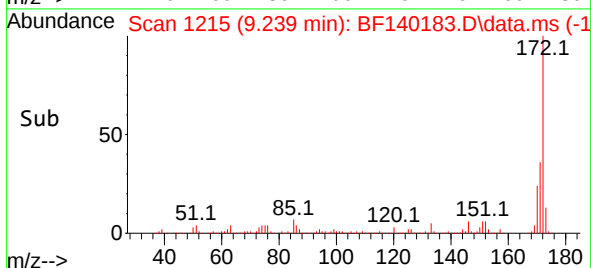
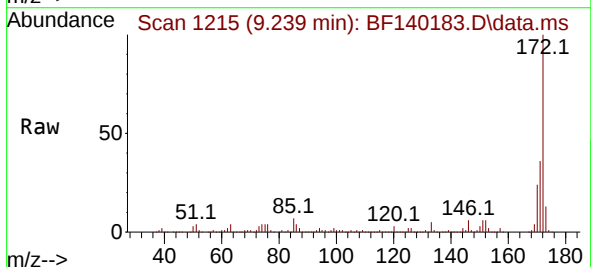


Tgt Ion:330 Resp: 344461
Ion Ratio Lower Upper
330 100
332 96.7 78.1 117.1
141 30.7 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 90.948 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

Tgt Ion:172 Resp: 1292656
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.7 19.1 28.7

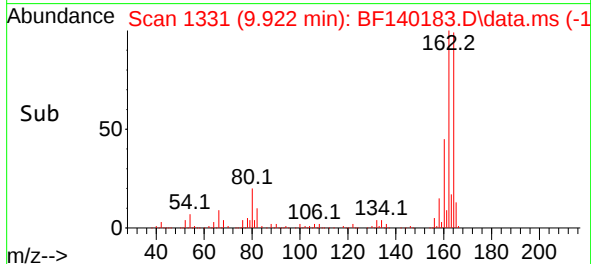
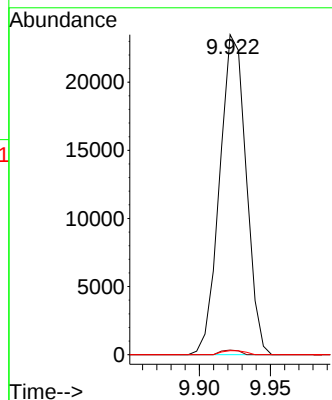
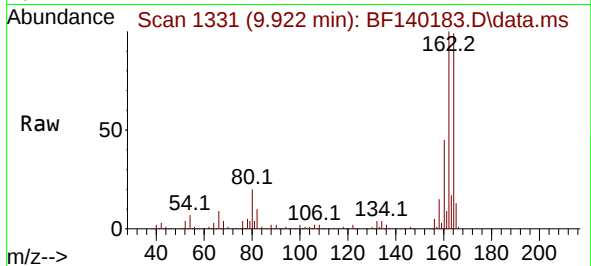




#51
2,6-Dinitrotoluene
Concen: 9.615 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

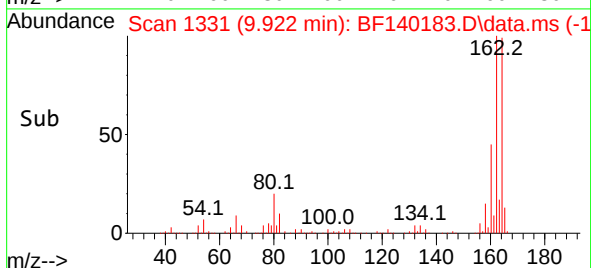
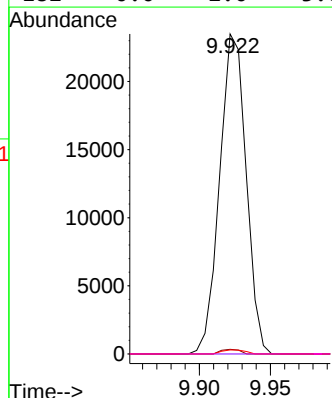
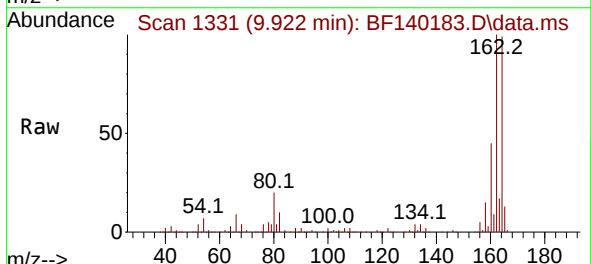
Instrument :
BNA_F
ClientSampleId :
BP-F10

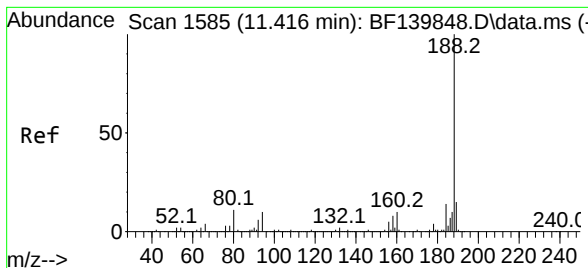
Tgt Ion:165 Resp: 30460
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.819 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140183.D
Acq: 31 Oct 2024 12:33

Tgt Ion:165 Resp: 30460
Ion Ratio Lower Upper
165 100
63 1.4 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140183.D

Acq: 31 Oct 2024 12:33

Instrument :

BNA_F

ClientSampleId :

BP-F10

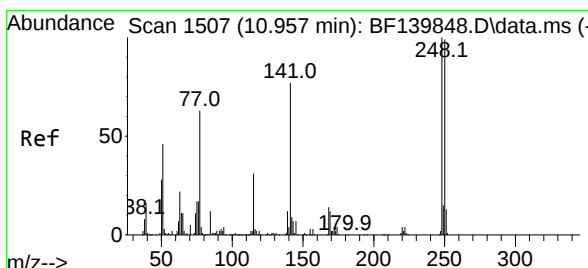
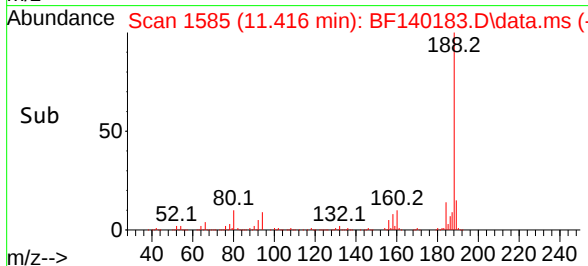
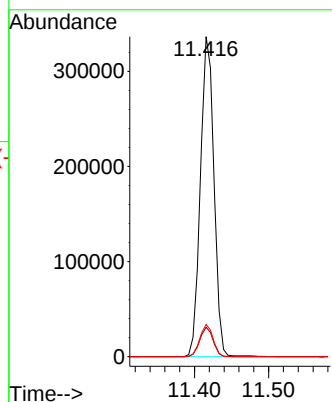
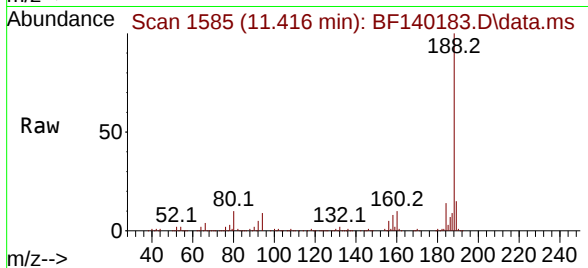
Tgt Ion:188 Resp: 426856

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

80 10.1 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 5.118 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.241 min

Lab File: BF140183.D

Acq: 31 Oct 2024 12:33

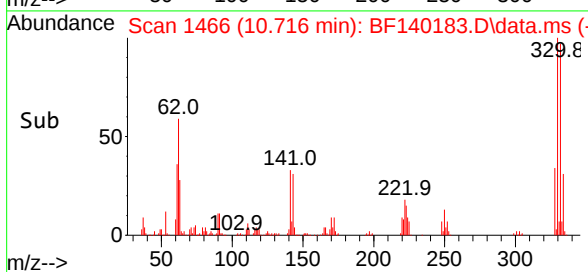
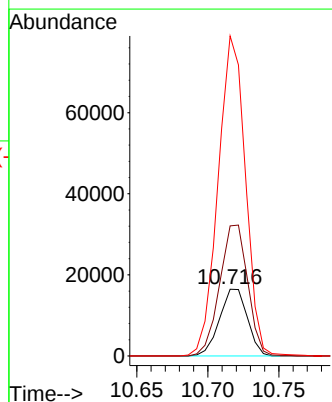
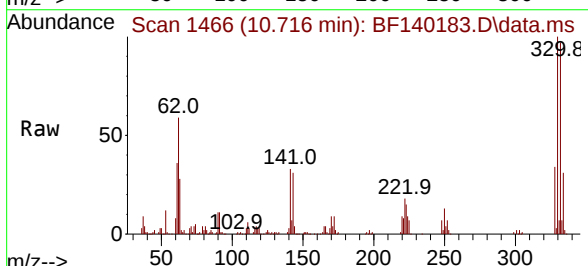
Tgt Ion:248 Resp: 22507

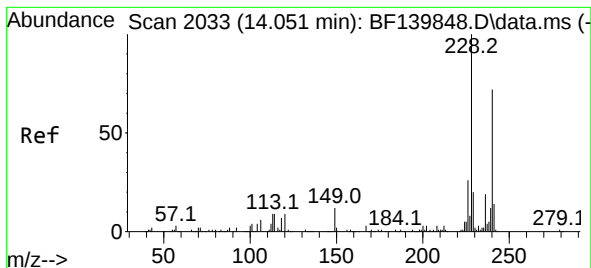
Ion Ratio Lower Upper

248 100

250 194.9 79.0 118.6#

141 479.6 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.024 min

Lab File: BF140183.D

Acq: 31 Oct 2024 12:33

Instrument :

BNA_F

ClientSampleId :

BP-F10

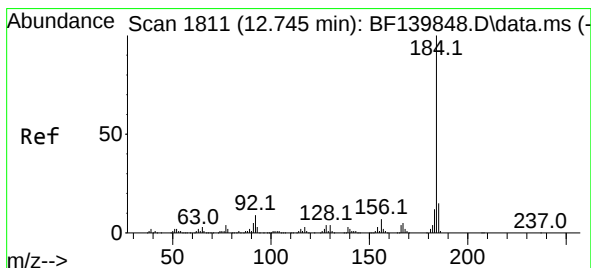
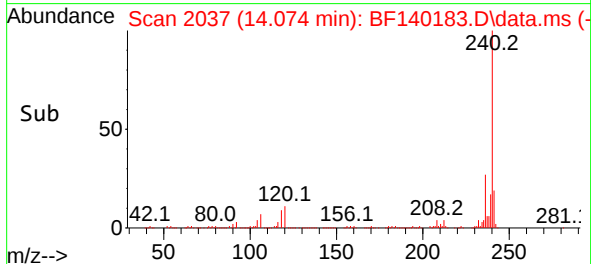
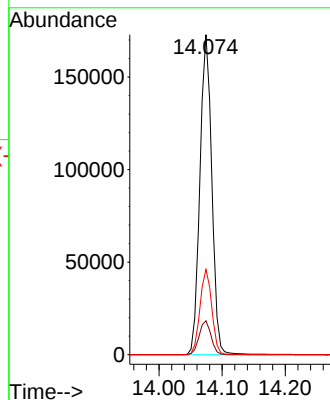
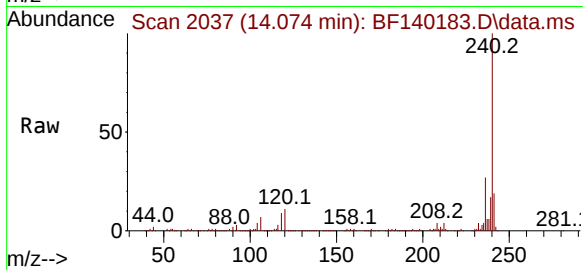
Tgt Ion:240 Resp: 225574

Ion Ratio Lower Upper

240 100

120 10.6 9.4 14.2

236 26.7 20.9 31.3



#77

Benzidine

Concen: 4.870 ng

RT: 13.015 min Scan# 1857

Delta R.T. 0.270 min

Lab File: BF140183.D

Acq: 31 Oct 2024 12:33

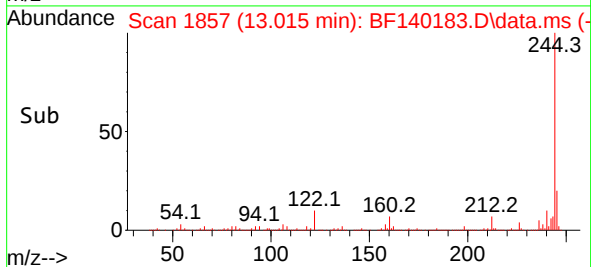
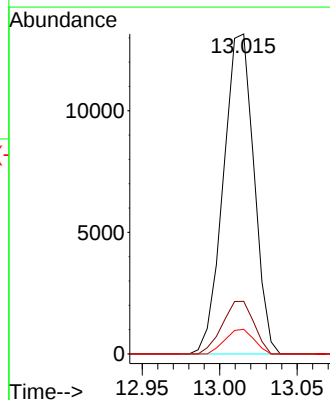
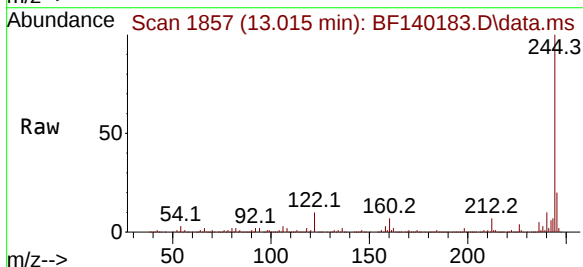
Tgt Ion:184 Resp: 18064

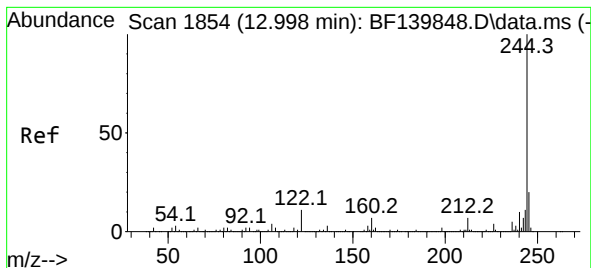
Ion Ratio Lower Upper

184 100

185 16.5 12.0 18.0

183 7.7 9.4 14.2#





#79

Terphenyl-d14

Concen: 99.832 ng

RT: 13.015 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF140183.D

Acq: 31 Oct 2024 12:33

Instrument :

BNA_F

ClientSampleId :

BP-F10

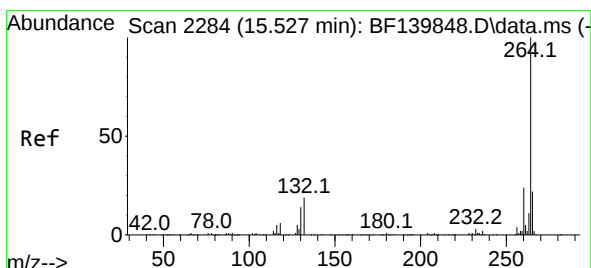
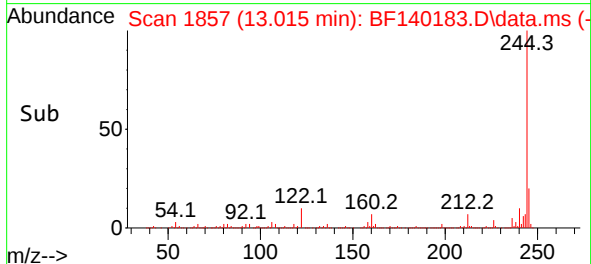
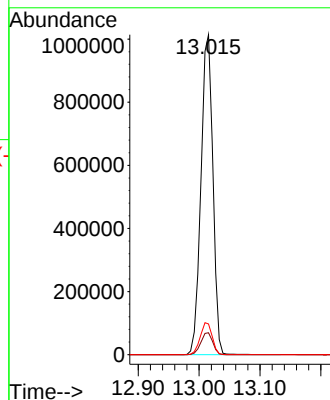
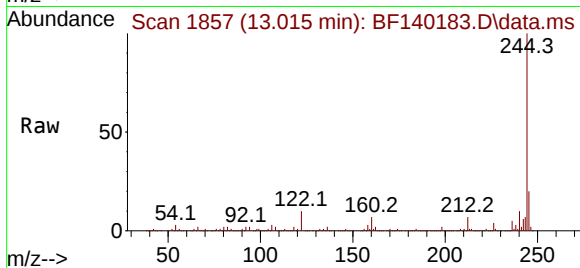
Tgt Ion:244 Resp: 1382004

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 9.6 8.6 13.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2295

Delta R.T. 0.065 min

Lab File: BF140183.D

Acq: 31 Oct 2024 12:33

Tgt Ion:264 Resp: 185140

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 22.0 17.4 26.0

