

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
 Data File : BF140060.D
 Acq On : 26 Oct 2024 15:23
 Operator : RC/JU
 Sample : P4517-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOREST-ST-CO

Quant Time: Oct 28 01:08:13 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)

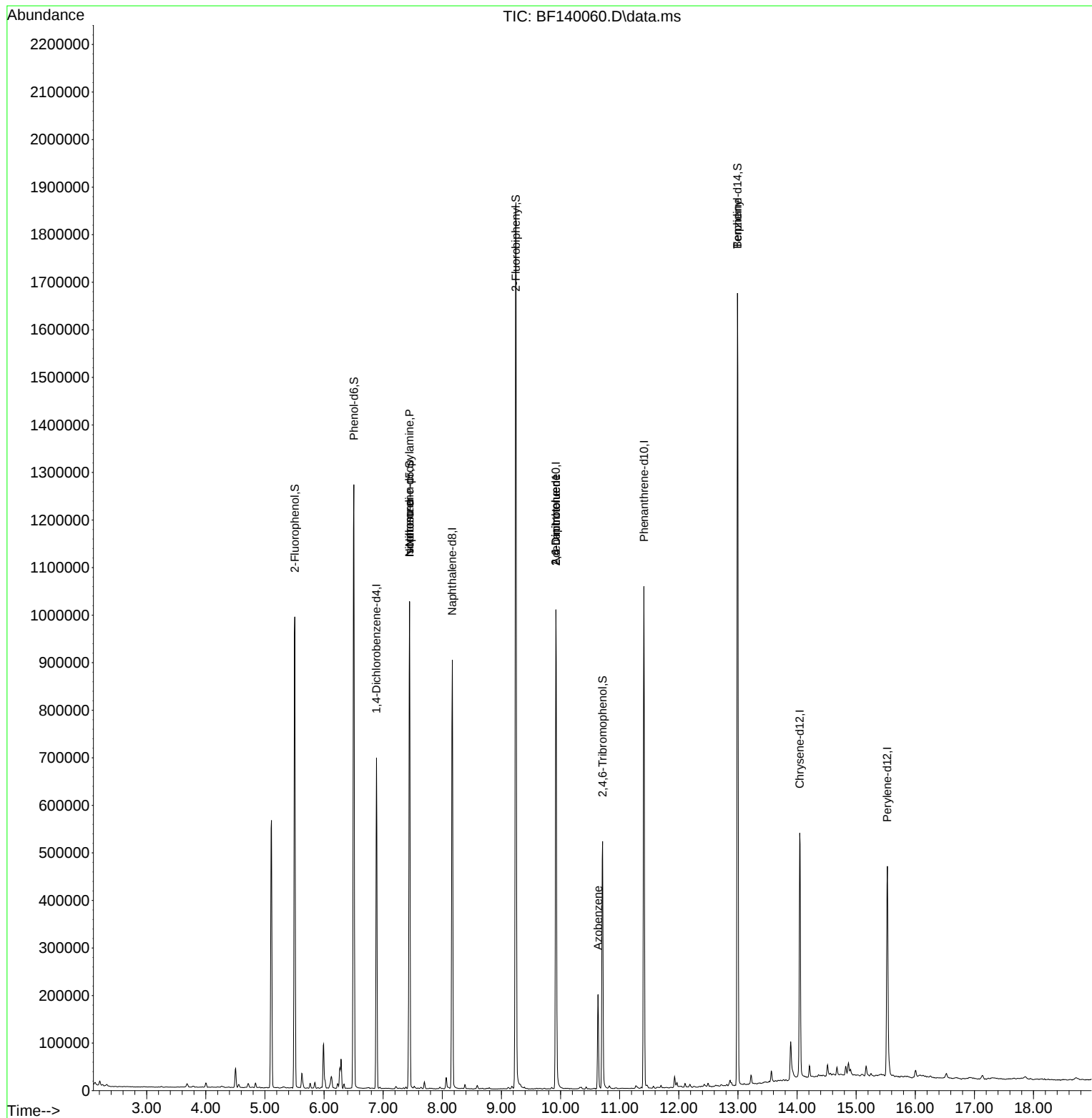
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	137371	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	545971	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	313958	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	546322	20.000	ng	0.00
76) Chrysene-d12	14.045	240	255275	20.000	ng	0.00
86) Perylene-d12	15.527	264	279095	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	361177	41.160	ng	0.00
7) Phenol-d6	6.504	99	585771	51.542	ng	0.00
23) Nitrobenzene-d5	7.445	82	450653	45.748	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	90601	30.852	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	895411	47.135	ng	0.00
79) Terphenyl-d14	12.992	244	835641	53.341	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	60065	8.714	ng	# 77
25) Isophorone	7.445	82	446939	23.904	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	39917	9.427	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	40056	7.693	ng	# 21
63) Azobenzene	10.634	77	50438	2.478	ng	# 1
77) Benzidine	12.992	184	10239	2.439	ng	# 94

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

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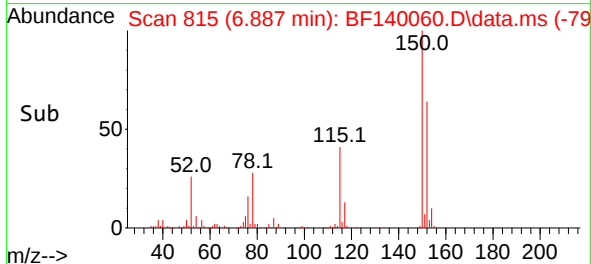
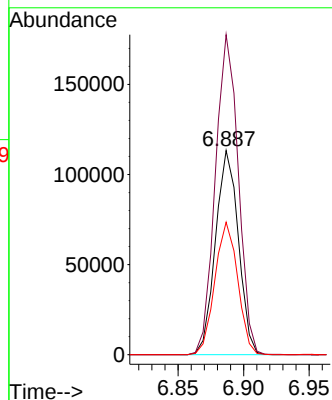
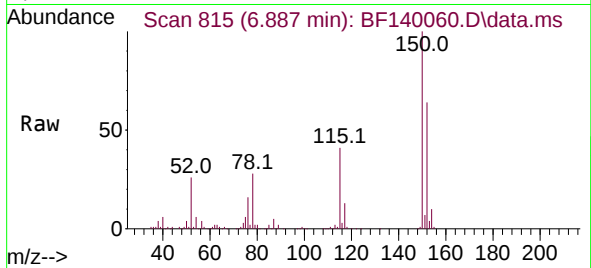




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

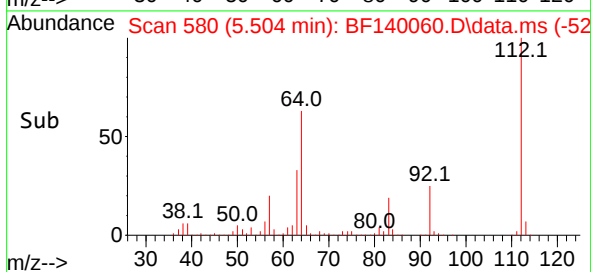
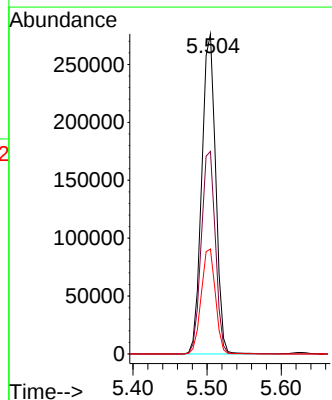
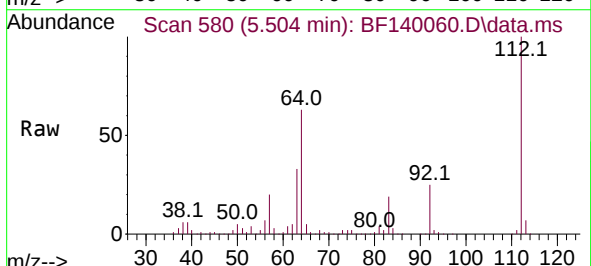
Instrument :
BNA_F
ClientSampleId :
FOREST-ST-CO

Tgt Ion:152 Resp: 137371
Ion Ratio Lower Upper
152 100
150 156.7 130.2 195.2
115 64.9 51.4 77.2



#5
2-Fluorophenol
Concen: 41.160 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

Tgt Ion:112 Resp: 361177
Ion Ratio Lower Upper
112 100
64 63.3 53.0 79.6
63 32.8 27.0 40.4

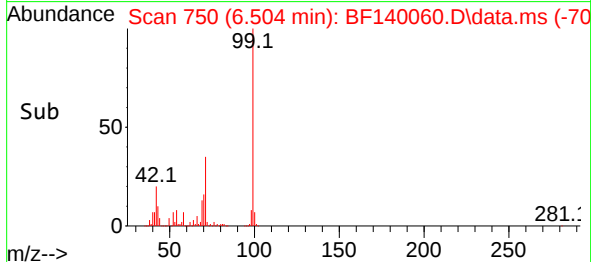
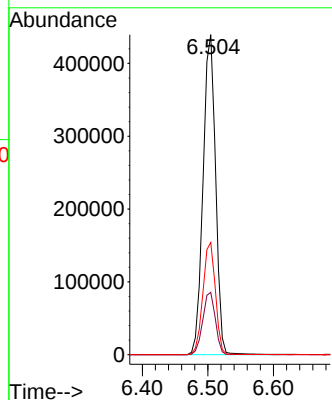
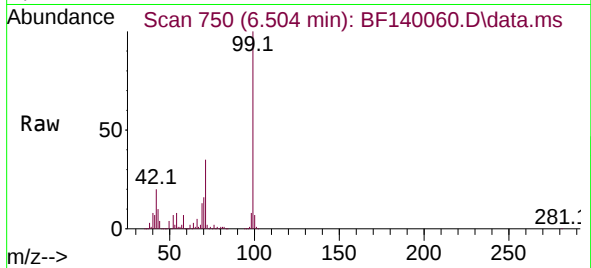




#7
Phenol-d6
Concen: 51.542 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

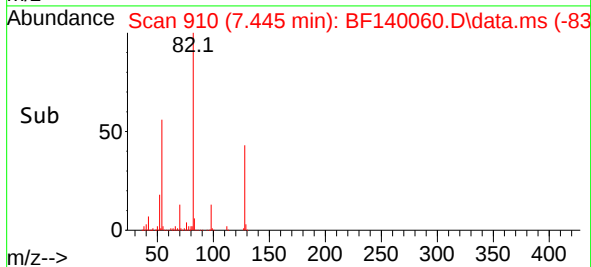
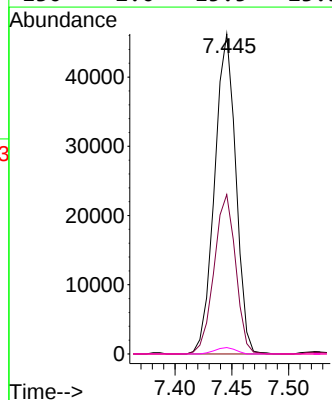
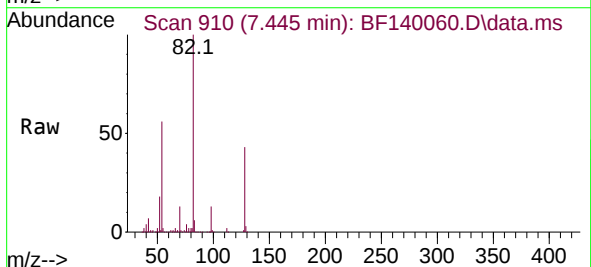
Instrument :
BNA_F
ClientSampleId :
FOREST-ST-CO

Tgt Ion: 99 Resp: 585771
Ion Ratio Lower Upper
99 100
42 19.5 16.7 25.1
71 35.1 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 8.714 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

Tgt Ion: 70 Resp: 60065
Ion Ratio Lower Upper
70 100
42 49.8 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#

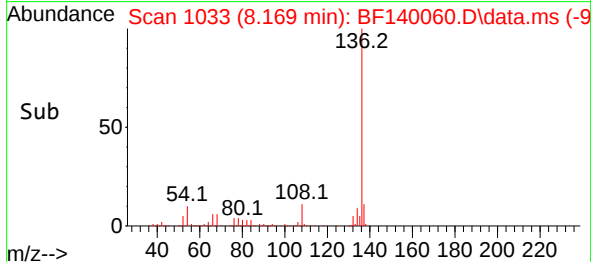
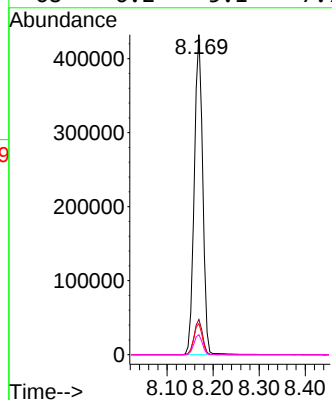
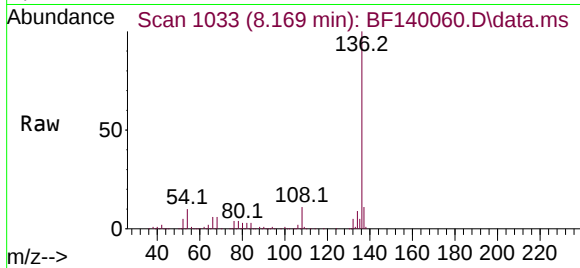




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

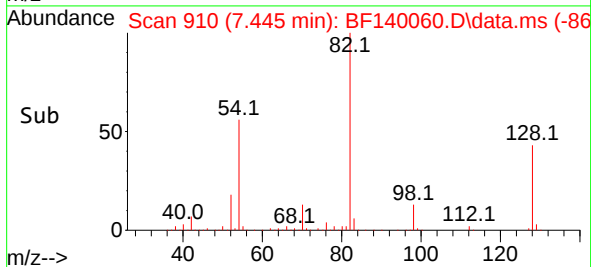
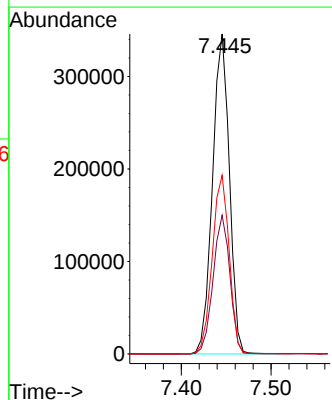
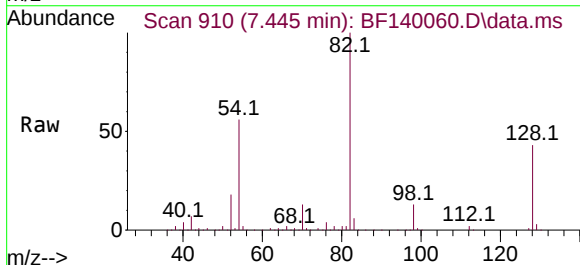
Instrument :
BNA_F
ClientSampleId :
FOREST-ST-CO

Tgt Ion:136 Resp: 545971
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.7 8.4 12.6
68 6.2 5.1 7.7



#23
Nitrobenzene-d5
Concen: 45.748 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

Tgt Ion: 82 Resp: 450653
Ion Ratio Lower Upper
82 100
128 43.3 33.4 50.0
54 55.8 47.8 71.8

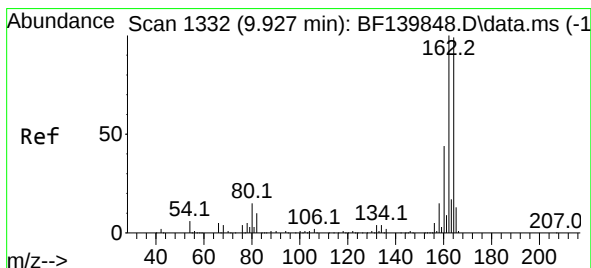
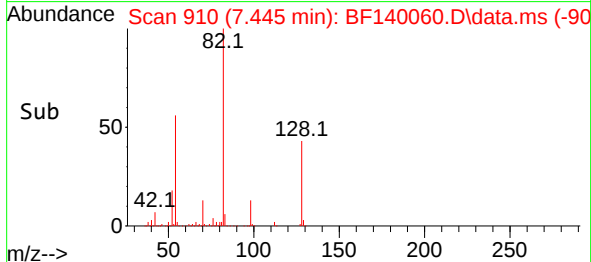
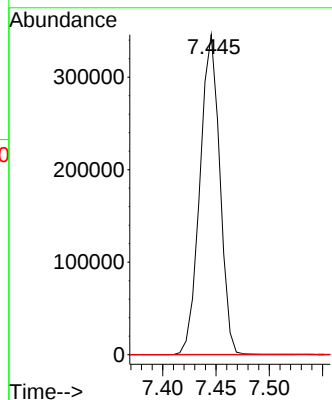
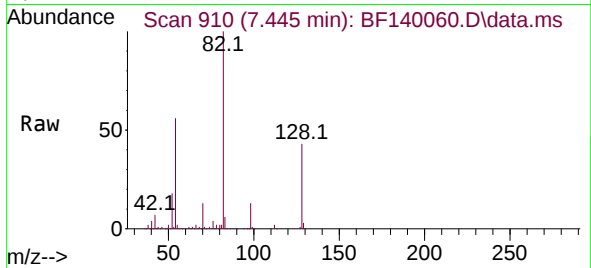




#25
Isophorone
Concen: 23.904 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.264 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

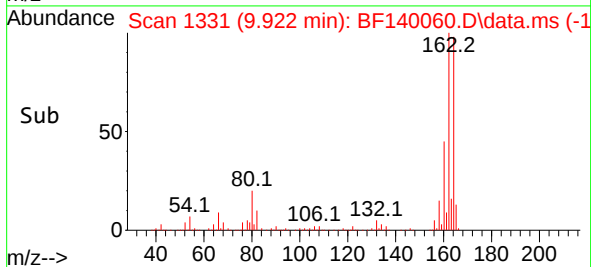
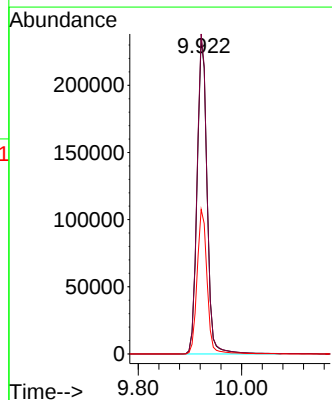
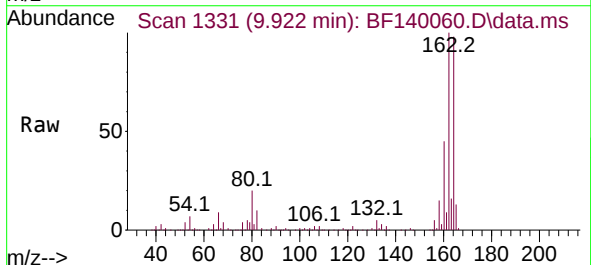
Instrument :
BNA_F
ClientSampleId :
FOREST-ST-CO

Tgt Ion: 82 Resp: 446939
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: BF140060.D
Acq: 26 Oct 2024 15:23

Tgt Ion: 164 Resp: 313958
Ion Ratio Lower Upper
164 100
162 101.5 81.0 121.4
160 45.8 35.4 53.0

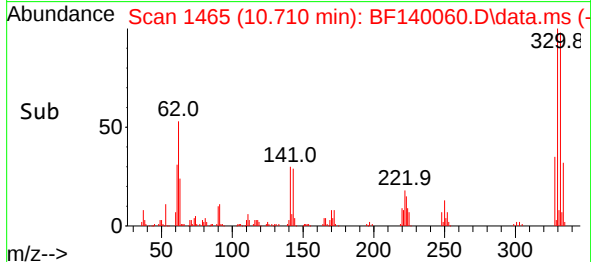
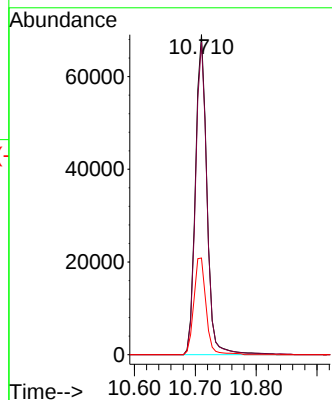
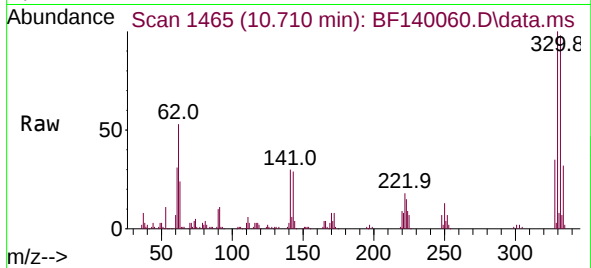




#42
2,4,6-Tribromophenol
Concen: 30.852 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

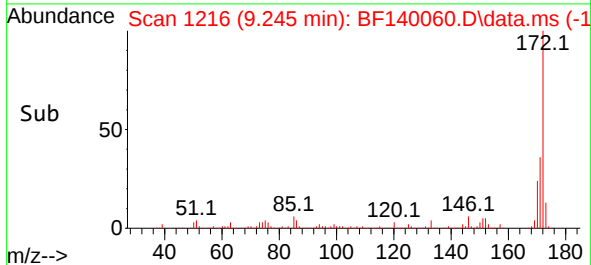
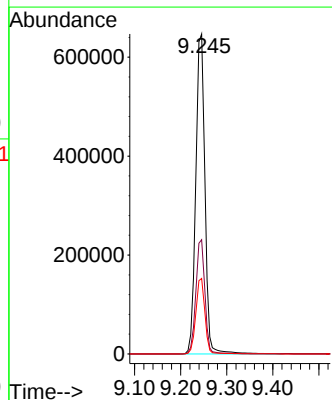
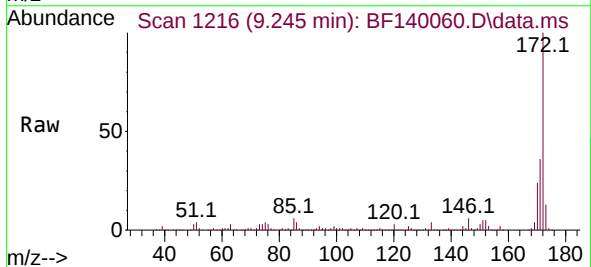
Instrument :
BNA_F
ClientSampleId :
FOREST-ST-CO

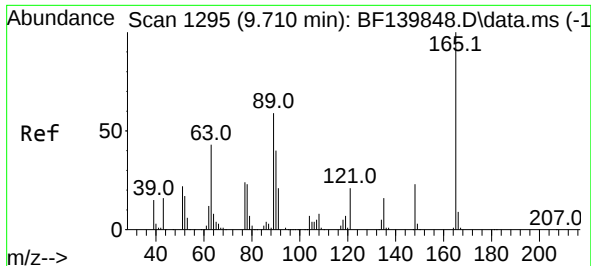
Tgt Ion:330 Resp: 90601
Ion Ratio Lower Upper
330 100
332 97.7 78.1 117.1
141 31.9 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 47.135 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

Tgt Ion:172 Resp: 895411
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.6 19.1 28.7

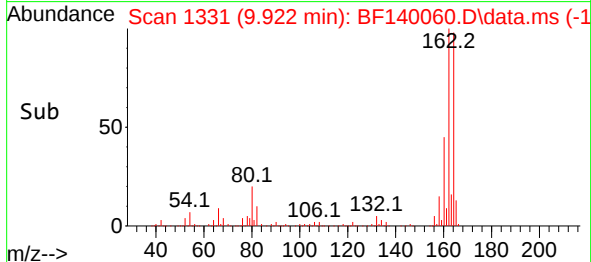
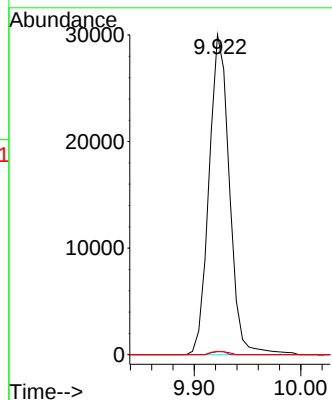
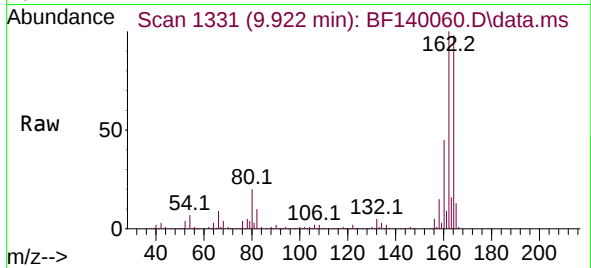




#51
2,6-Dinitrotoluene
Concen: 9.427 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

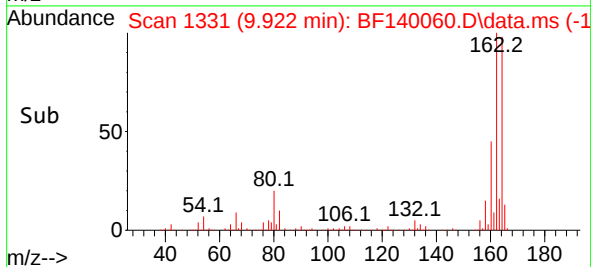
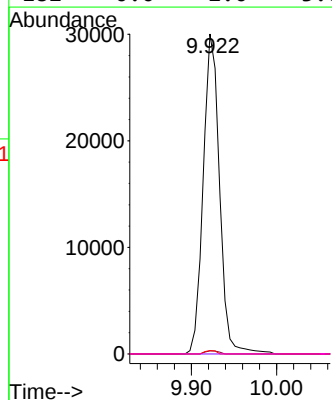
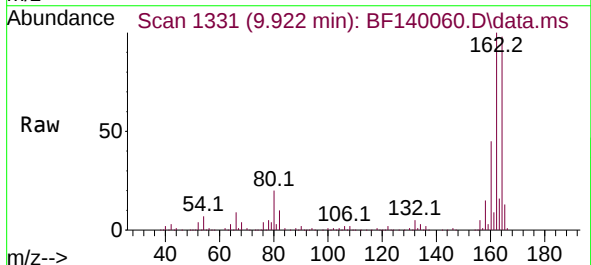
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ClientSampleId :
FOREST-ST-CO

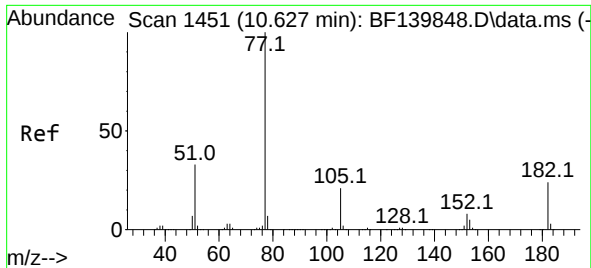
Tgt Ion:165 Resp: 39917
Ion Ratio Lower Upper
165 100
63 0.9 50.6 75.8#
89 1.1 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.693 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

Tgt Ion:165 Resp: 40056
Ion Ratio Lower Upper
165 100
63 0.9 40.1 60.1#
89 1.1 60.4 90.6#
182 0.0 2.0 3.0#

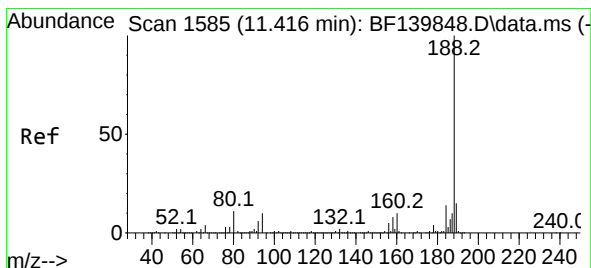
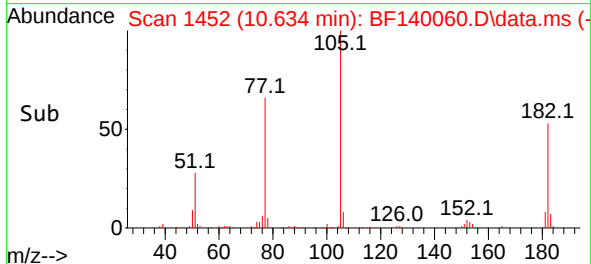
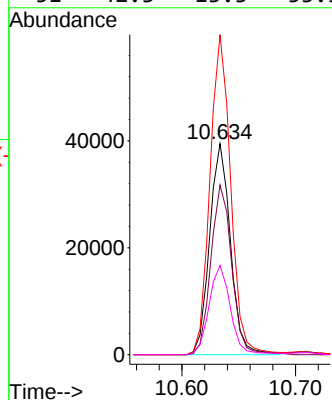
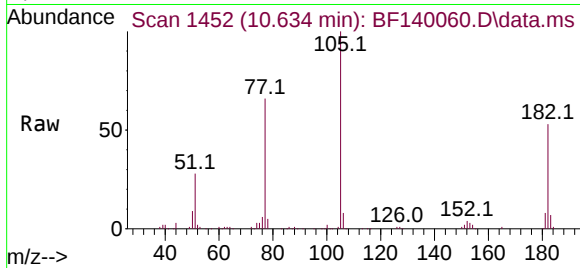




#63
Azobenzene
Concen: 2.478 ng
RT: 10.634 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

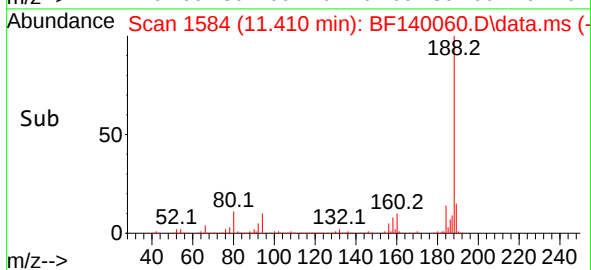
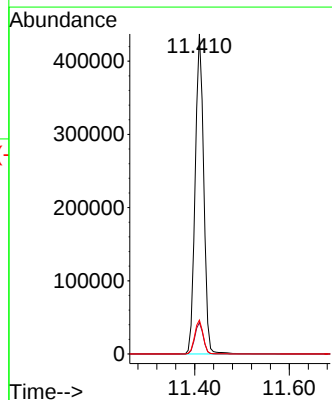
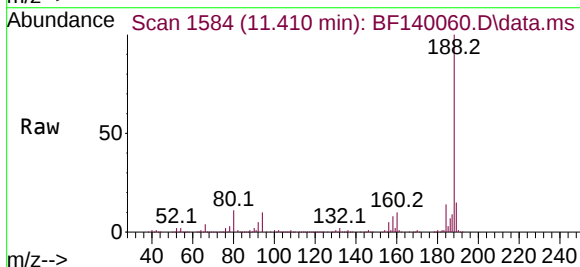
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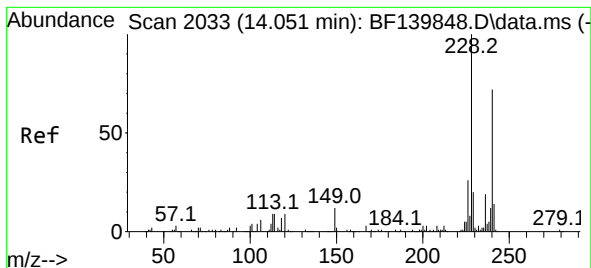
Tgt Ion: 77 Resp: 50438
Ion Ratio Lower Upper
77 100
182 80.3 3.3 43.3#
105 151.6 1.2 41.2#
51 42.3 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140060.D
Acq: 26 Oct 2024 15:23

Tgt Ion: 188 Resp: 546322
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 10.6 9.0 13.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF140060.D

Acq: 26 Oct 2024 15:23

Instrument :

BNA_F

ClientSampleId :

FOREST-ST-CO

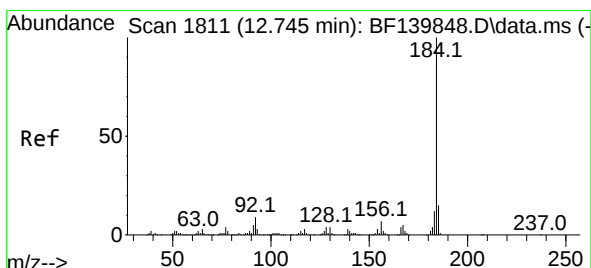
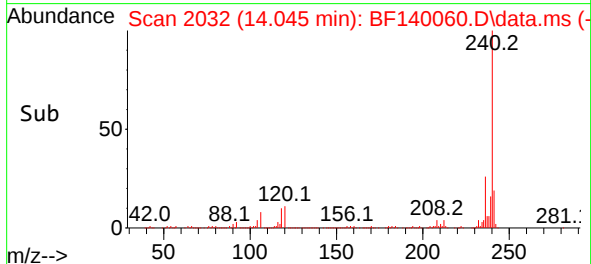
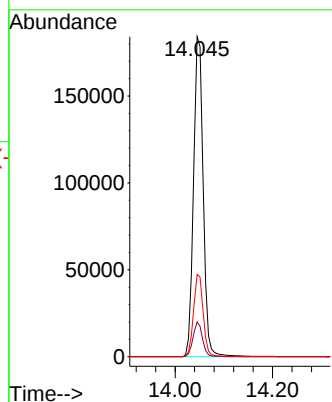
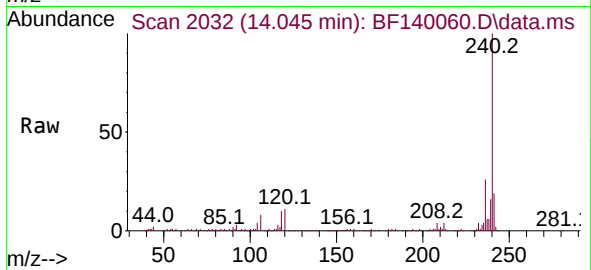
Tgt Ion:240 Resp: 255275

Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.2

236 25.7 20.9 31.3



#77

Benzidine

Concen: 2.439 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF140060.D

Acq: 26 Oct 2024 15:23

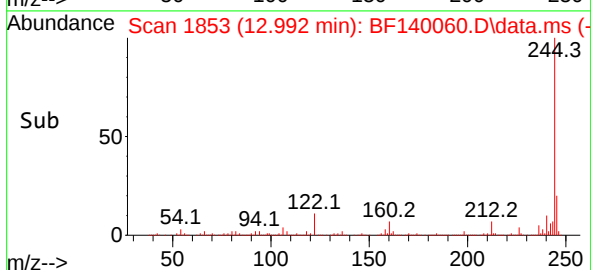
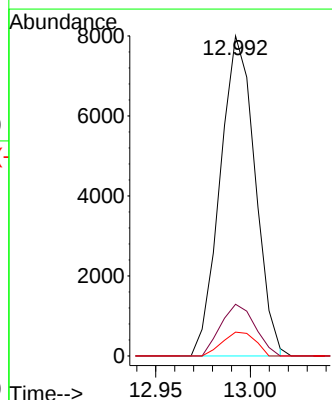
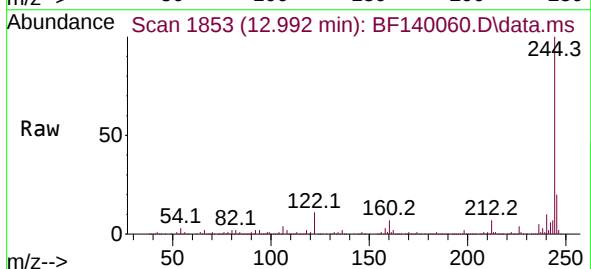
Tgt Ion:184 Resp: 10239

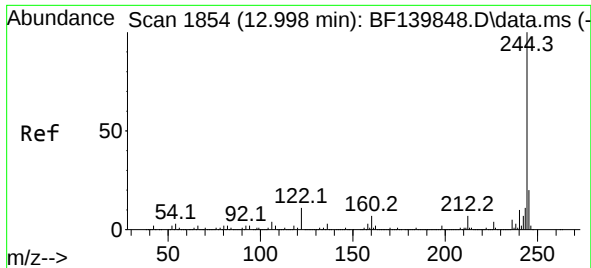
Ion Ratio Lower Upper

184 100

185 16.1 12.0 18.0

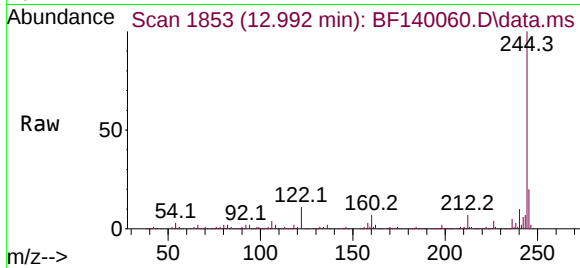
183 7.5 9.4 14.2#



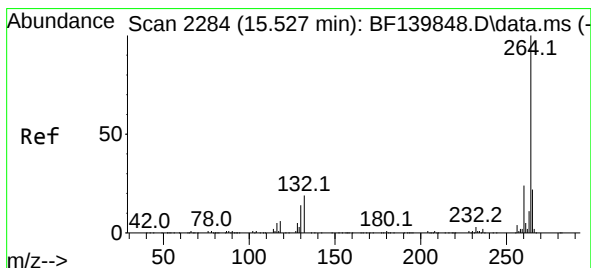
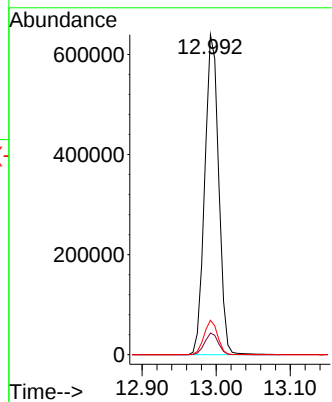
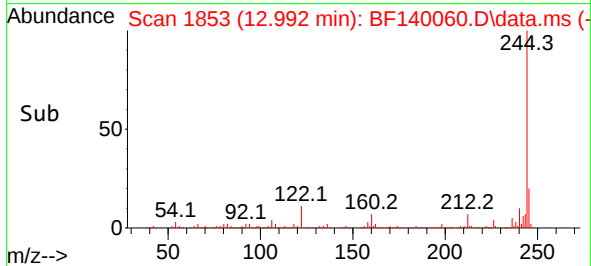


#79
 Terphenyl-d14
 Concen: 53.341 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140060.D
 Acq: 26 Oct 2024 15:23

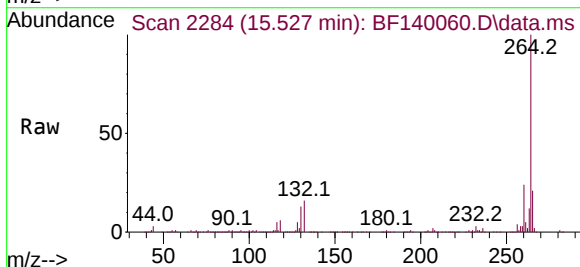
Instrument :
 BNA_F
 ClientSampleId :
 FOREST-ST-CO



Tgt Ion:244 Resp: 835641
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 10.8 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: BF140060.D
 Acq: 26 Oct 2024 15:23



Tgt Ion:264 Resp: 279095
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.4 29.2
 265 21.1 17.4 26.0

