

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112524\
 Data File : BF140610.D
 Acq On : 25 Nov 2024 18:34
 Operator : RC/JU
 Sample : P4960-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1

Quant Time: Nov 26 00:08:41 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)

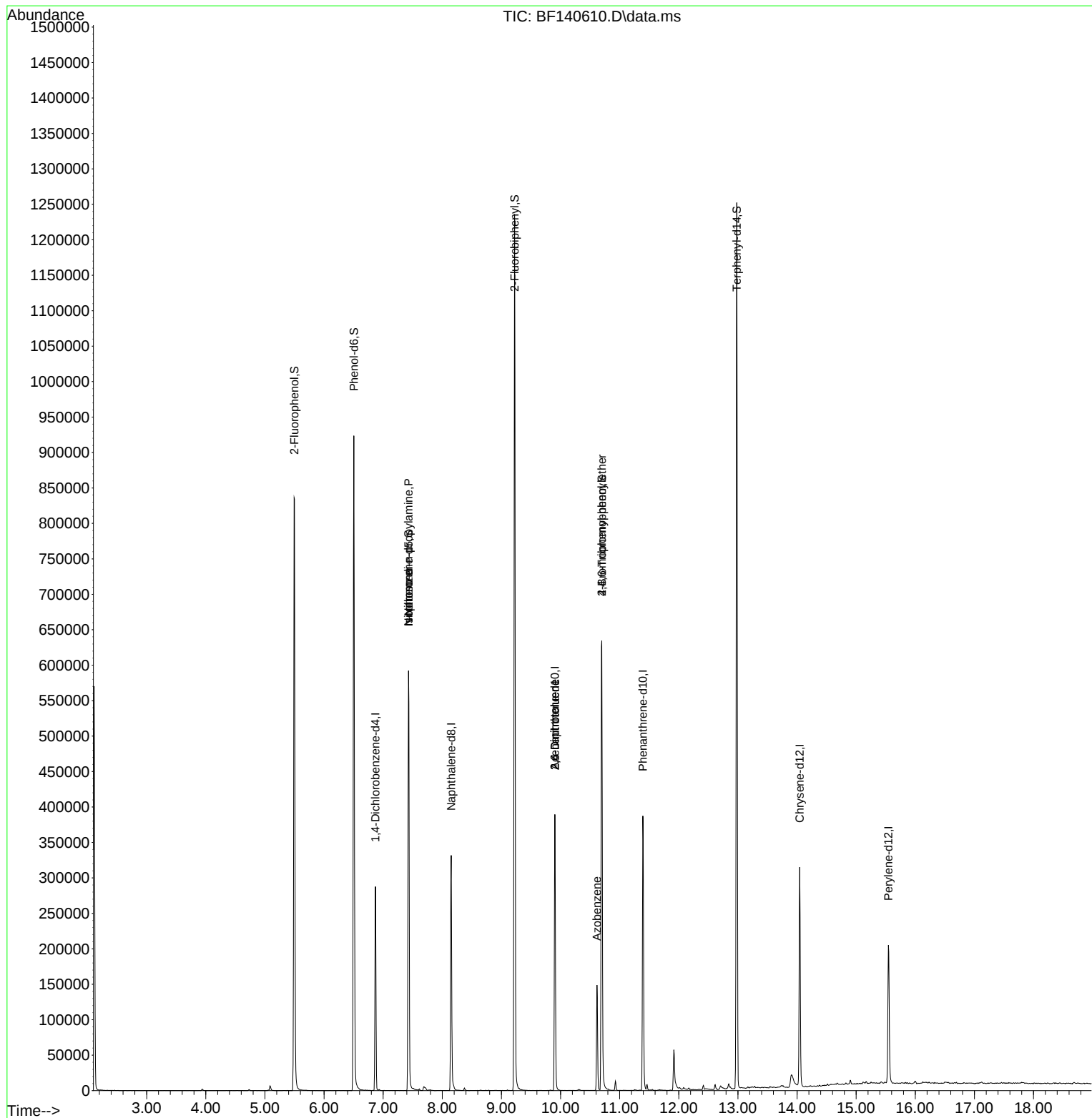
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	59105	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	220044	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	119818	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	220513	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	152332	20.000	ng	0.00
86) Perylene-d12	15.545	264	126610	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	331974	95.832	ng	0.00
7) Phenol-d6	6.504	99	429618	93.811	ng	-0.01
23) Nitrobenzene-d5	7.428	82	278329	64.699	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	116985	91.290	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	548301	68.182	ng	-0.01
79) Terphenyl-d14	12.980	244	608210	62.171	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	36687	13.555	ng	# 76
25) Isophorone	7.428	82	274044	38.193	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	14732	8.232	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	14732	6.194	ng	# 17
63) Azobenzene	10.616	77	41023	5.403	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	7557	3.328	ng	# 1

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

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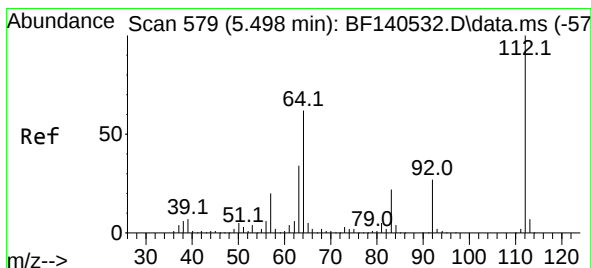
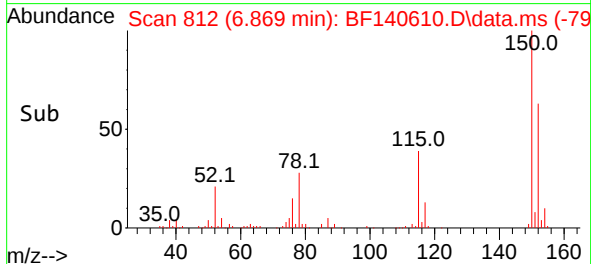
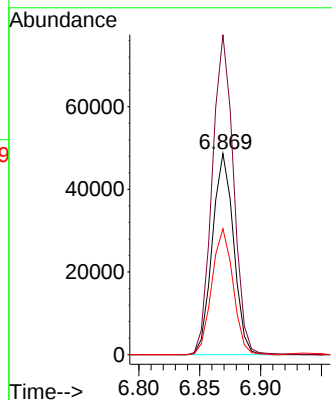
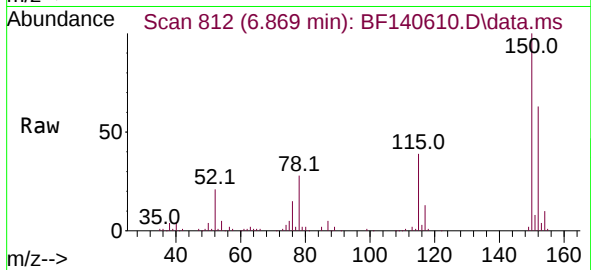




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140610.D
Acq: 25 Nov 2024 18:34

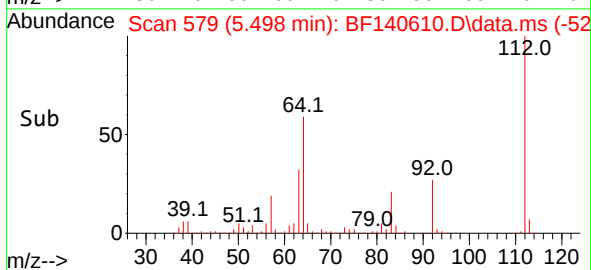
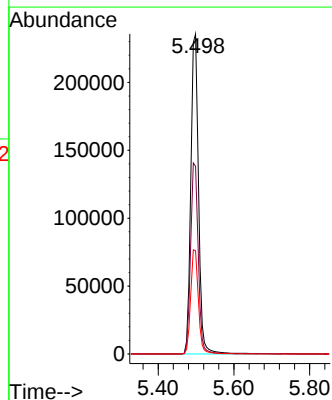
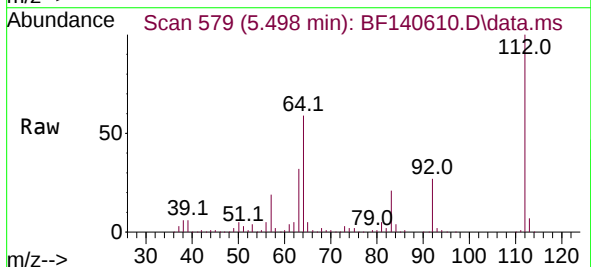
Instrument :
BNA_F
ClientSampleId :
B1

Tgt Ion:152 Resp: 59105
Ion Ratio Lower Upper
152 100
150 159.1 128.5 192.7
115 62.6 50.2 75.4



#5
2-Fluorophenol
Concen: 95.832 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140610.D
Acq: 25 Nov 2024 18:34

Tgt Ion:112 Resp: 331974
Ion Ratio Lower Upper
112 100
64 58.7 49.2 73.8
63 32.2 27.0 40.4





#7

Phenol-d6

Concen: 93.811 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF140610.D

Acq: 25 Nov 2024 18:34

Instrument :

BNA_F

ClientSampleId :

B1

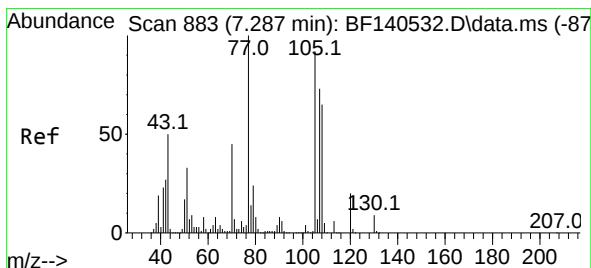
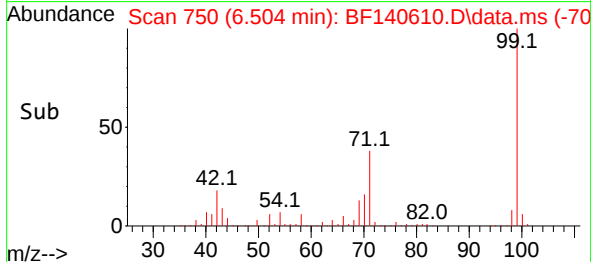
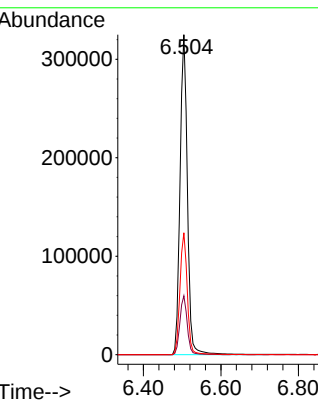
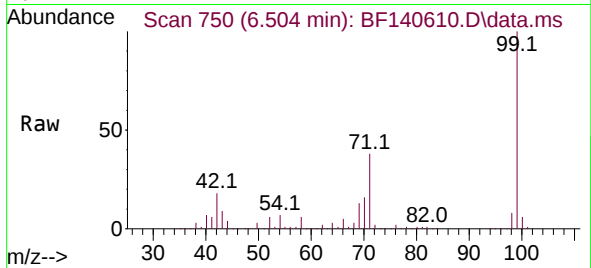
Tgt Ion: 99 Resp: 429618

Ion Ratio Lower Upper

99 100

42 18.4 15.4 23.0

71 38.1 30.6 46.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.555 ng

RT: 7.428 min Scan# 907

Delta R.T. 0.141 min

Lab File: BF140610.D

Acq: 25 Nov 2024 18:34

Tgt Ion: 70 Resp: 36687

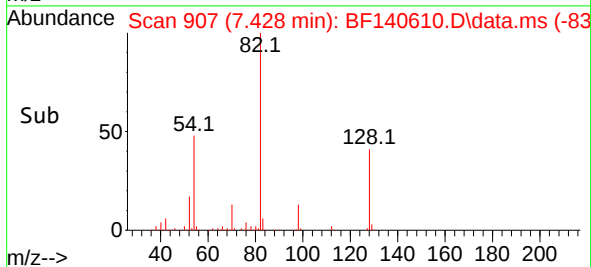
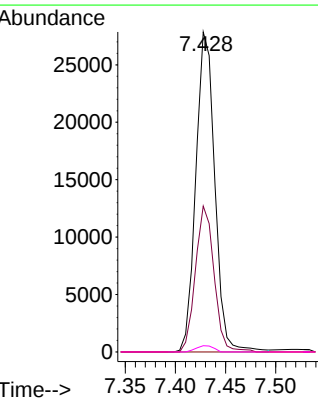
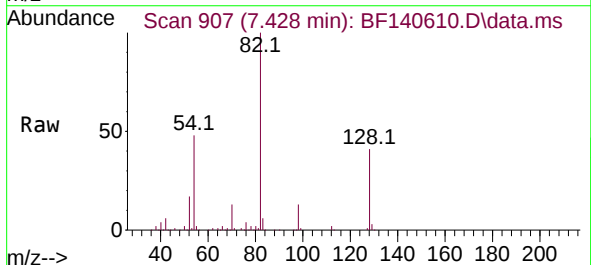
Ion Ratio Lower Upper

70 100

42 45.6 47.6 71.4#

101 0.0 7.6 11.4#

130 2.0 16.2 24.4#

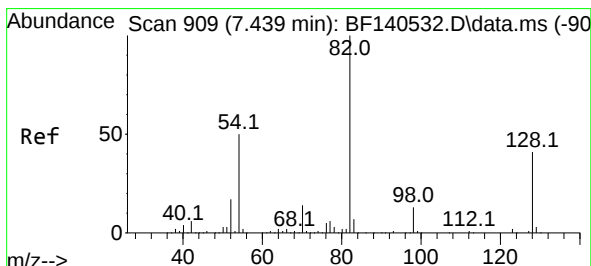
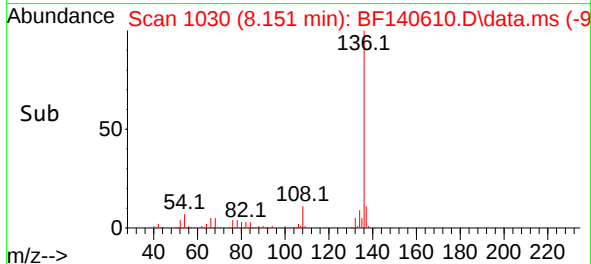
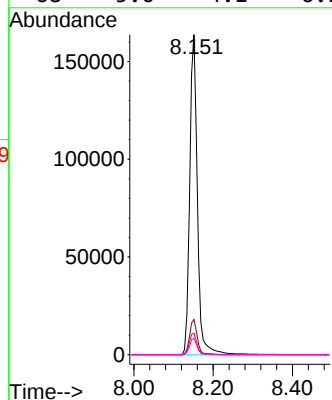
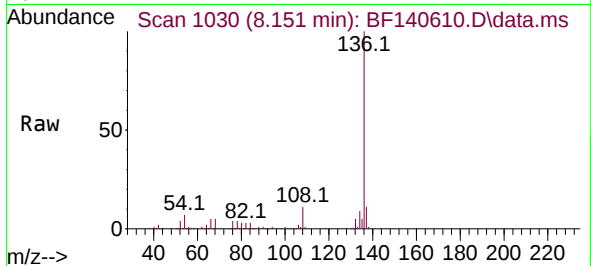




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140610.D
Acq: 25 Nov 2024 18:34

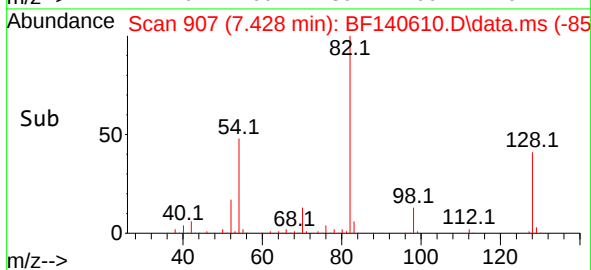
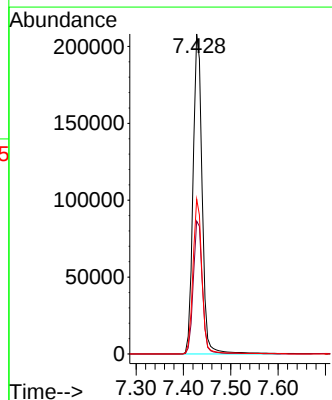
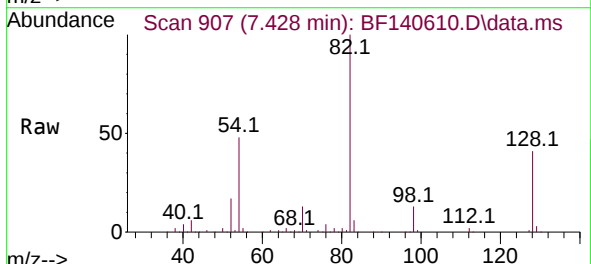
Instrument :
BNA_F
ClientSampleId :
B1

Tgt Ion:136	Resp: 220044
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 13.0
54 6.7	5.8 8.8
68 5.0	4.1 6.1



#23
Nitrobenzene-d5
Concen: 64.699 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140610.D
Acq: 25 Nov 2024 18:34

Tgt Ion: 82	Resp: 278329
Ion Ratio	Lower Upper
82 100	
128 41.5	33.0 49.4
54 48.4	39.5 59.3

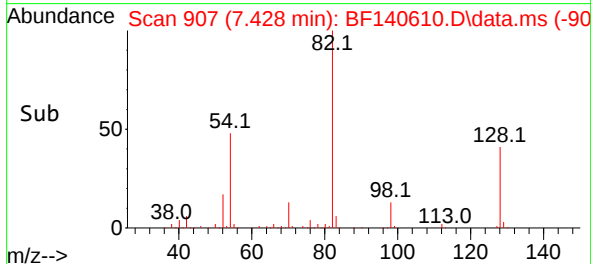
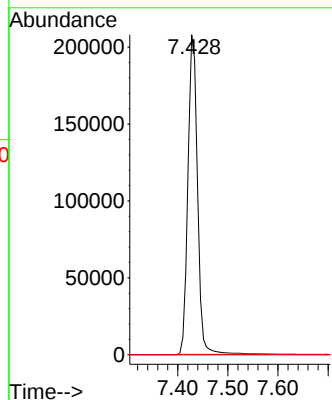
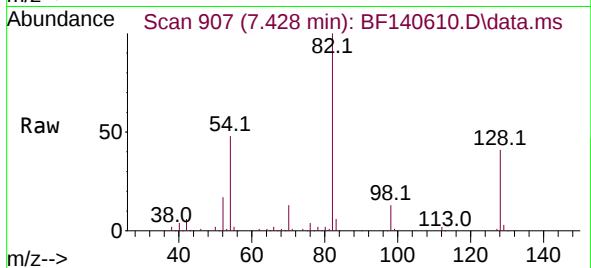




#25
Isophorone
Concen: 38.193 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF140610.D
Acq: 25 Nov 2024 18:34

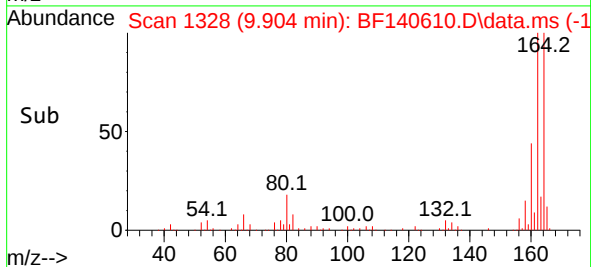
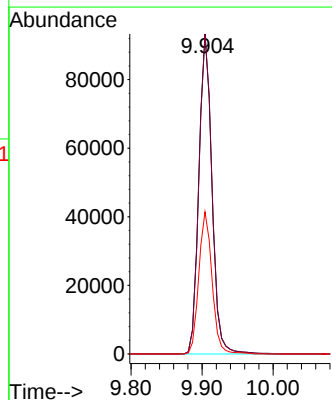
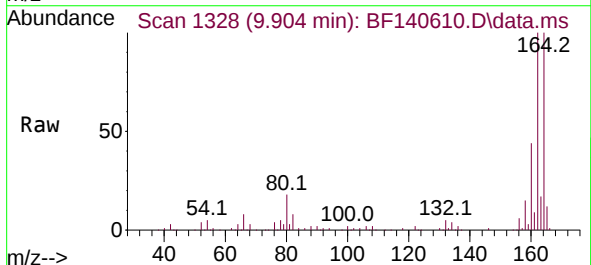
Instrument :
BNA_F
ClientSampleId :
B1

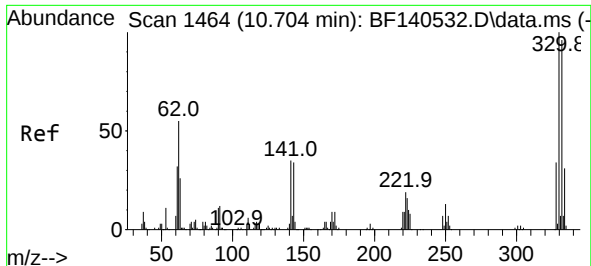
Tgt Ion: 82 Resp: 274044
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140610.D
Acq: 25 Nov 2024 18:34

Tgt Ion: 164 Resp: 119818
Ion Ratio Lower Upper
164 100
162 99.9 80.6 120.8
160 44.4 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 91.290 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140610.D

Acq: 25 Nov 2024 18:34

Instrument :

BNA_F

ClientSampleId :

B1

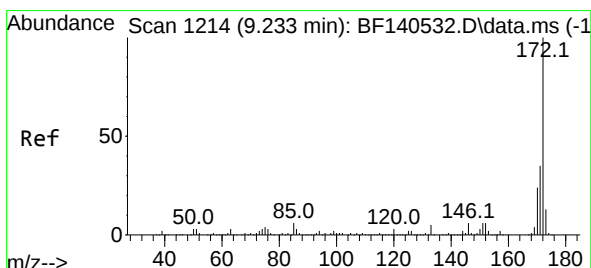
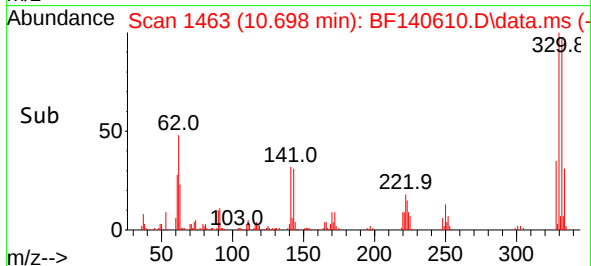
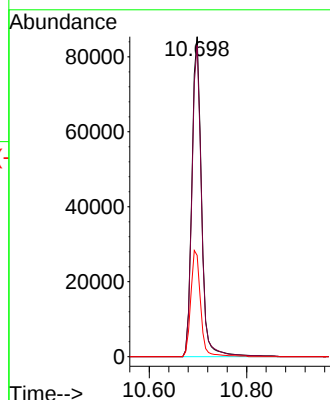
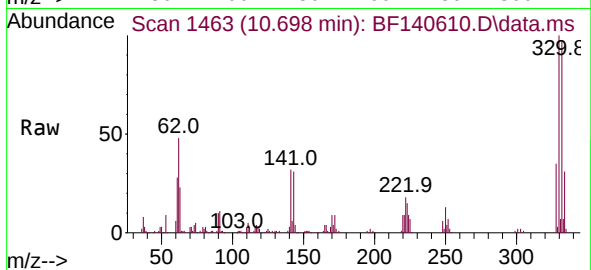
Tgt Ion:330 Resp: 116985

Ion Ratio Lower Upper

330 100

332 97.3 76.9 115.3

141 33.8 26.7 40.1



#45

2-Fluorobiphenyl

Concen: 68.182 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140610.D

Acq: 25 Nov 2024 18:34

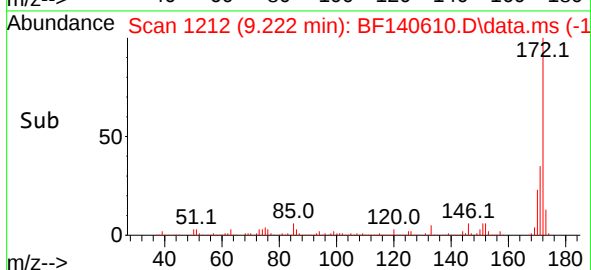
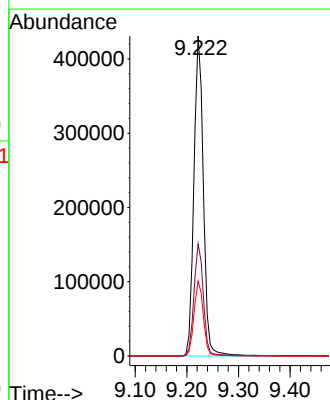
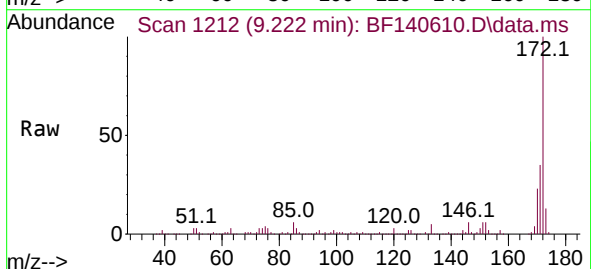
Tgt Ion:172 Resp: 548301

Ion Ratio Lower Upper

172 100

171 35.0 28.4 42.6

170 23.4 19.0 28.6

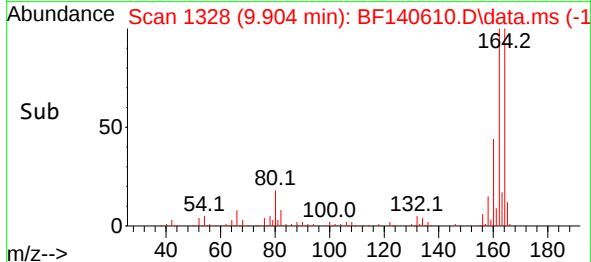
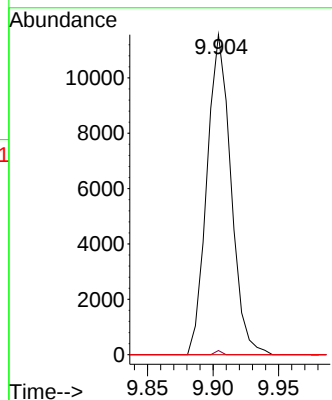
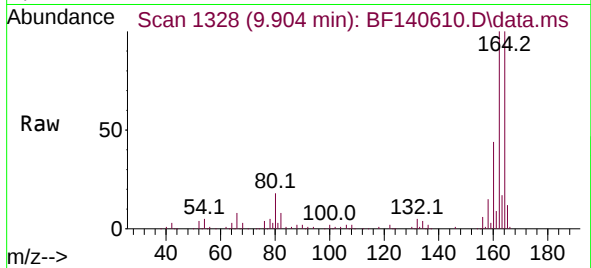




#51
2,6-Dinitrotoluene
Concen: 8.232 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140610.D
Acq: 25 Nov 2024 18:34

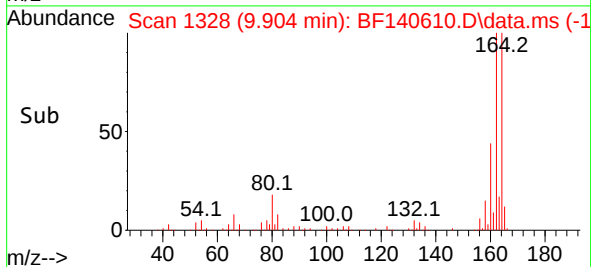
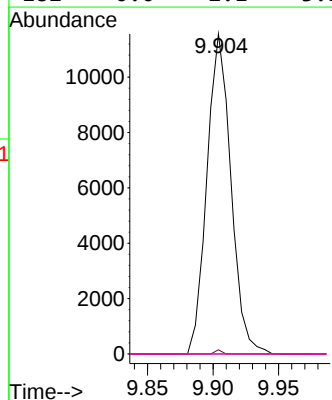
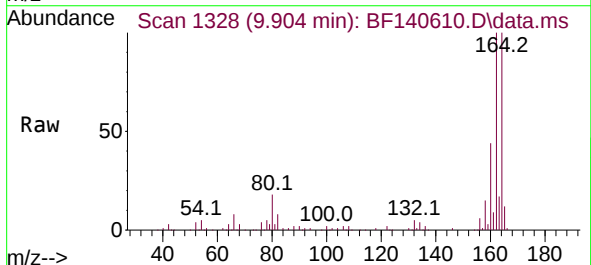
Instrument :
BNA_F
ClientSampleId :
B1

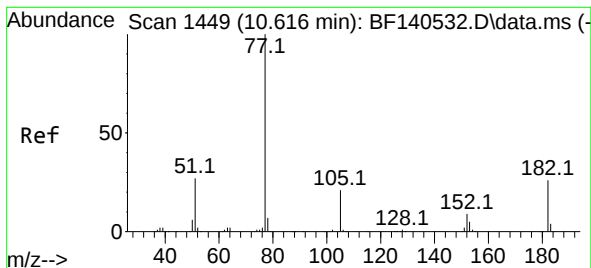
Tgt Ion:165 Resp: 14732
Ion Ratio Lower Upper
165 100
63 1.3 49.9 74.9#
89 0.0 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 6.194 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF140610.D
Acq: 25 Nov 2024 18:34

Tgt Ion:165 Resp: 14732
Ion Ratio Lower Upper
165 100
63 1.3 41.7 62.5#
89 0.0 65.8 98.8#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 5.403 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF140610.D

Acq: 25 Nov 2024 18:34

Instrument :

BNA_F

ClientSampleId :

B1

Tgt Ion: 77 Resp: 41023

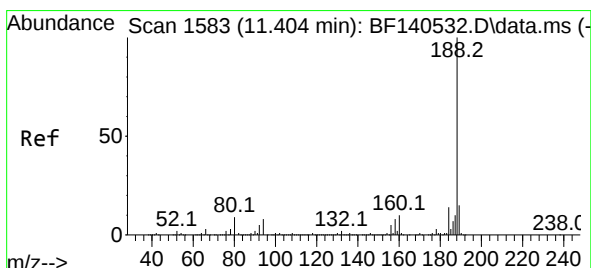
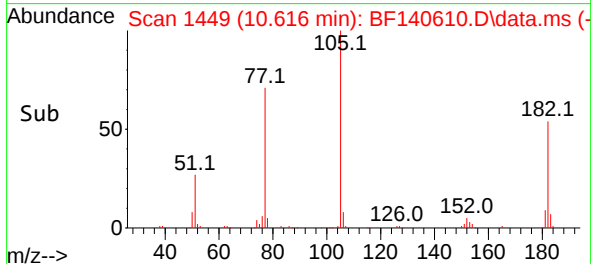
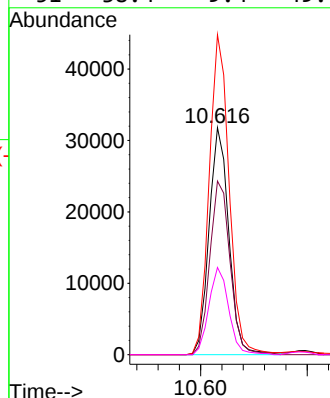
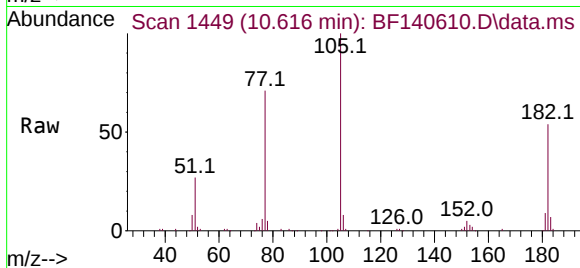
Ion Ratio Lower Upper

77 100

182 76.4 5.3 45.3#

105 141.0 0.3 40.3#

51 38.4 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF140610.D

Acq: 25 Nov 2024 18:34

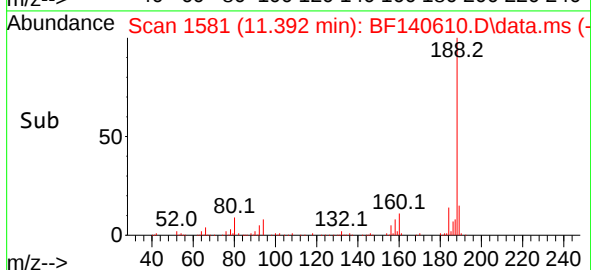
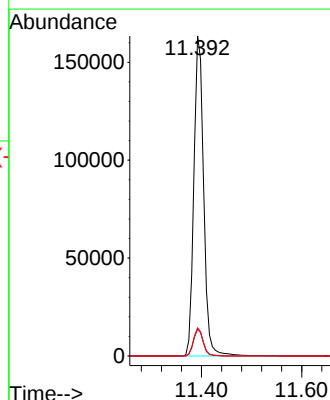
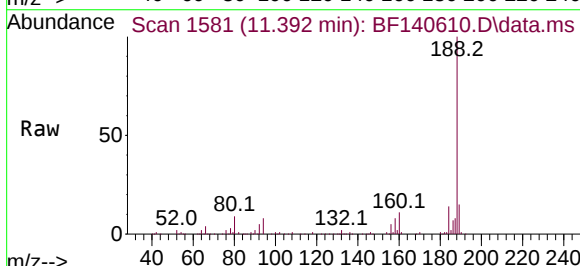
Tgt Ion: 188 Resp: 220513

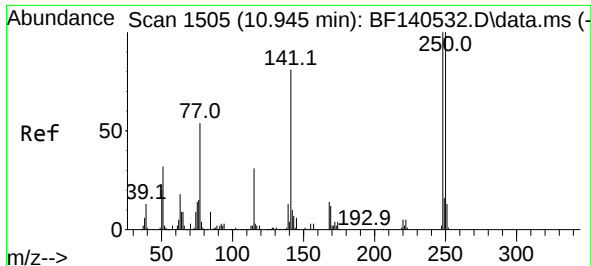
Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 8.8 6.9 10.3





#67

4-Bromophenyl-phenylether

Concen: 3.328 ng

RT: 10.698 min Scan# 14

Delta R.T. -0.247 min

Lab File: BF140610.D

Acq: 25 Nov 2024 18:34

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BNA_F

ClientSampleId :

B1

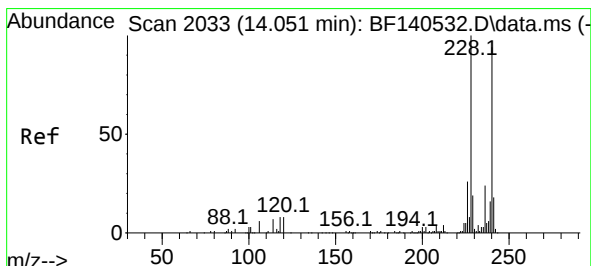
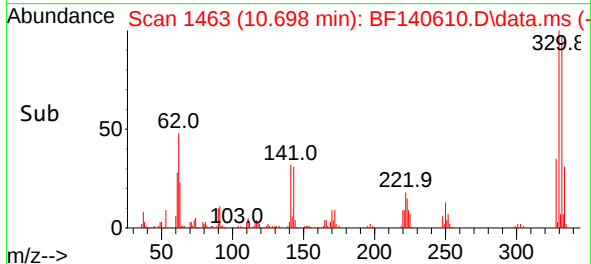
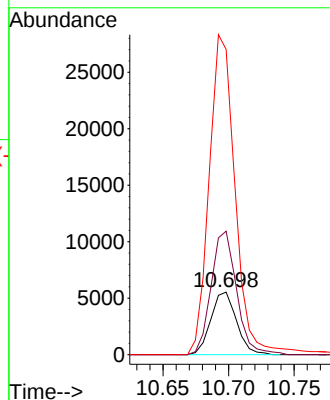
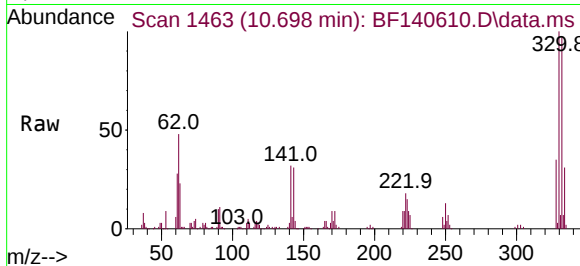
Tgt Ion:248 Resp: 7557

Ion Ratio Lower Upper

248 100

250 197.7 79.8 119.8#

141 488.5 64.7 97.1#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF140610.D

Acq: 25 Nov 2024 18:34

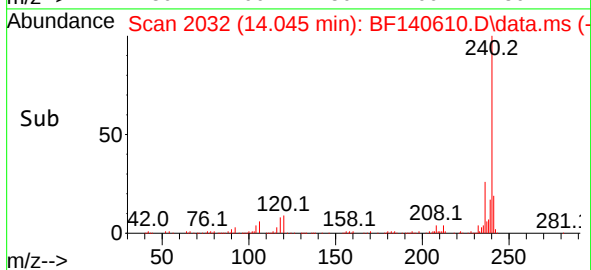
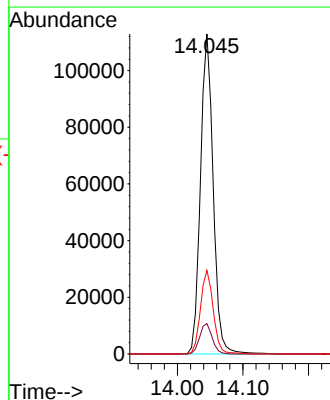
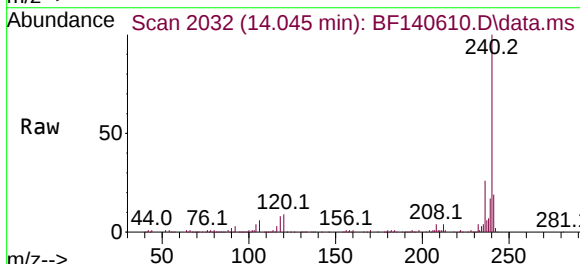
Tgt Ion:240 Resp: 152332

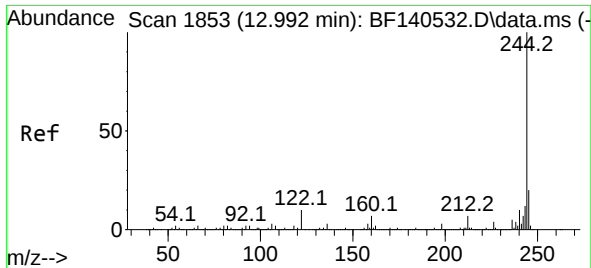
Ion Ratio Lower Upper

240 100

120 9.5 7.3 10.9

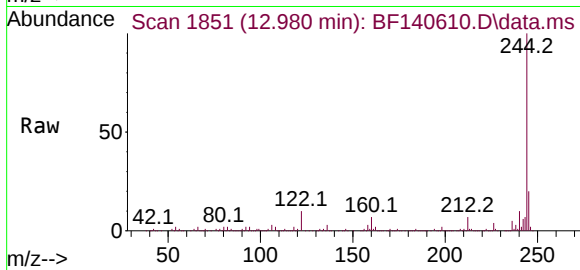
236 26.1 20.6 31.0



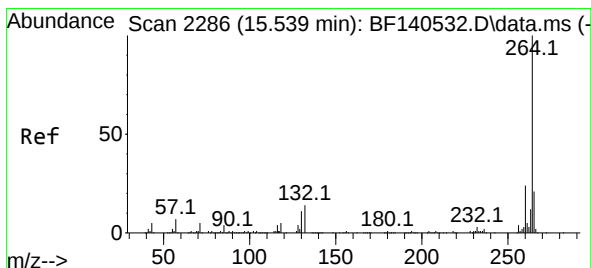
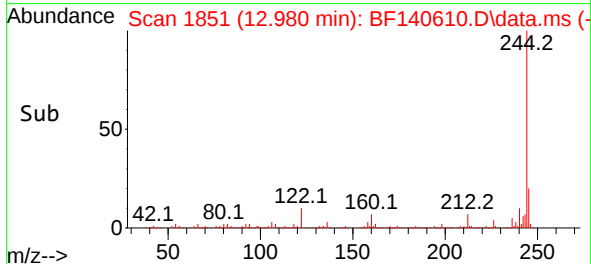
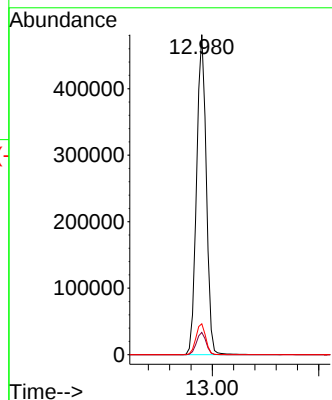


#79
 Terphenyl-d14
 Concen: 62.171 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF140610.D
 Acq: 25 Nov 2024 18:34

Instrument :
 BNA_F
 ClientSampleId :
 B1



Tgt Ion:244 Resp: 608210
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 9.6 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: BF140610.D
 Acq: 25 Nov 2024 18:34

Tgt Ion:264 Resp: 126610
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.0 28.6
 265 21.9 16.6 25.0

