

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140196.D
 Acq On : 31 Oct 2024 18:21
 Operator : RC/JU
 Sample : P4611-12
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Nov 01 01:14:48 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)

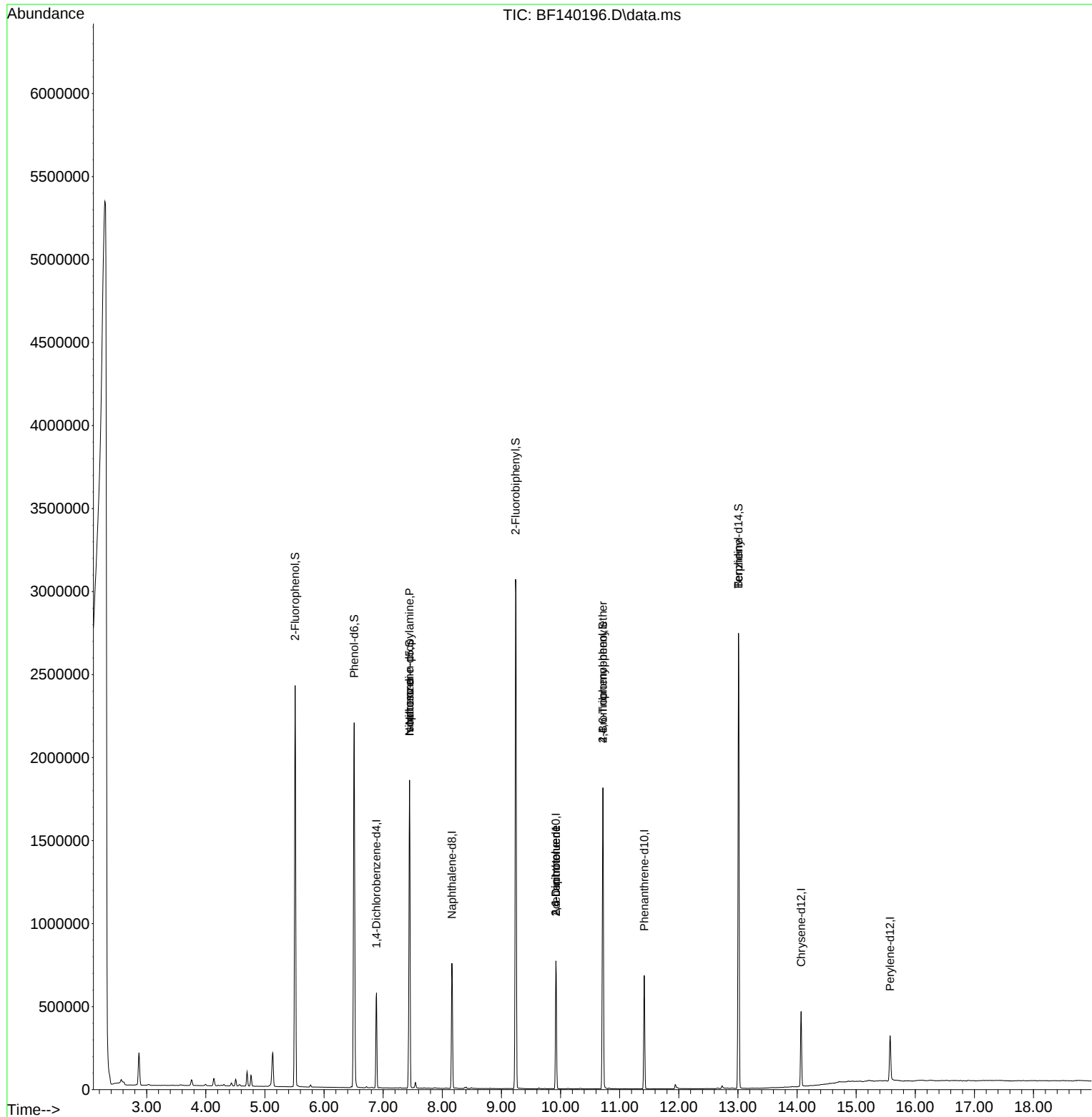
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	115578	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	446337	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	223817	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	353463	20.000	ng	0.00
76) Chrysene-d12	14.069	240	211733	20.000	ng	0.02
86) Perylene-d12	15.574	264	162691	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	884186	119.762	ng	0.01
7) Phenol-d6	6.510	99	1055123	110.345	ng	0.00
23) Nitrobenzene-d5	7.446	82	836276	103.844	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	308571	147.394	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1412140	104.274	ng	-0.01
79) Terphenyl-d14	13.010	244	1383191	106.449	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.446	70	112987	19.483	ng	# 77
25) Isophorone	7.446	82	833319	54.519	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	28197	9.341	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	28197	7.596	ng	# 21
67) 4-Bromophenyl-phenylether	10.716	248	20634	5.667	ng	# 1
77) Benzidine	13.010	184	17619	5.061	ng	# 92

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

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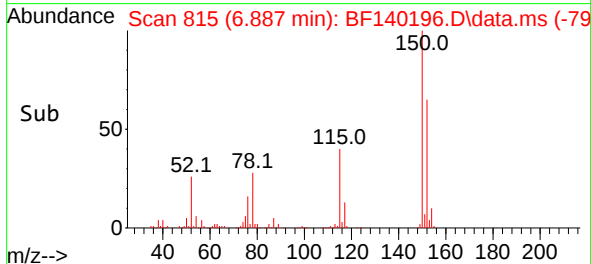
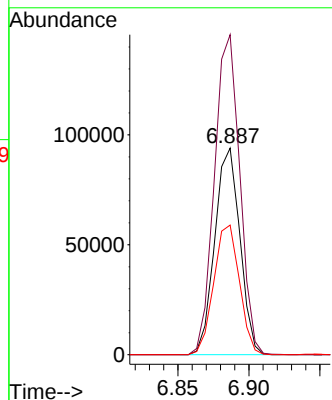
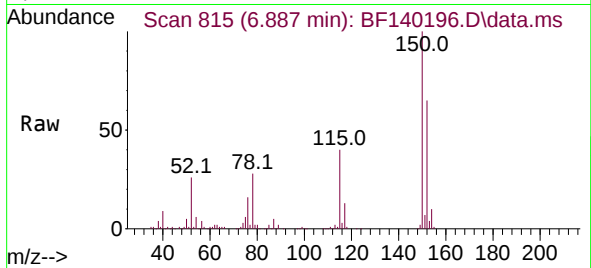




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

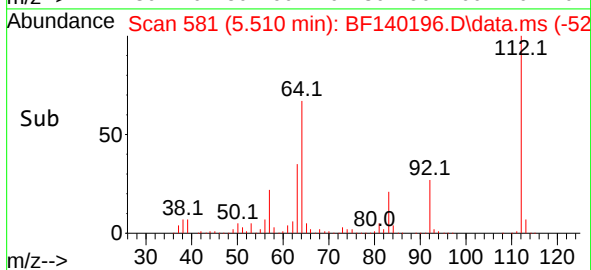
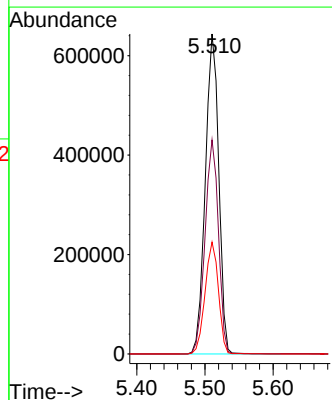
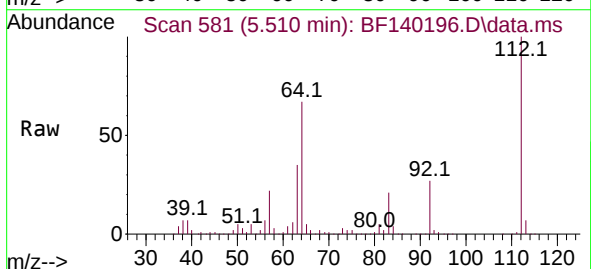
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 115578
Ion Ratio Lower Upper
152 100
150 154.9 130.2 195.2
115 62.7 51.4 77.2



#5
2-Fluorophenol
Concen: 119.762 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

Tgt Ion:112 Resp: 884186
Ion Ratio Lower Upper
112 100
64 66.9 53.0 79.6
63 34.9 27.0 40.4



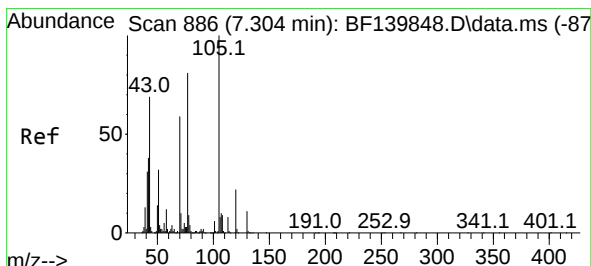
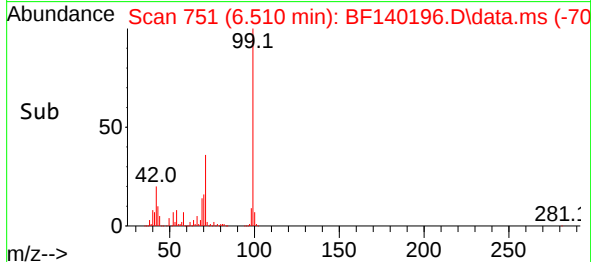
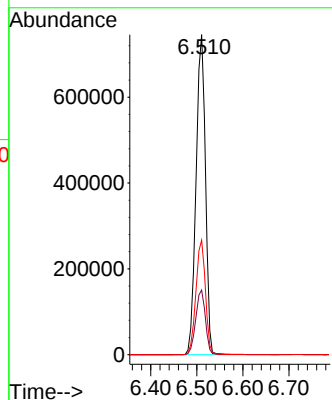
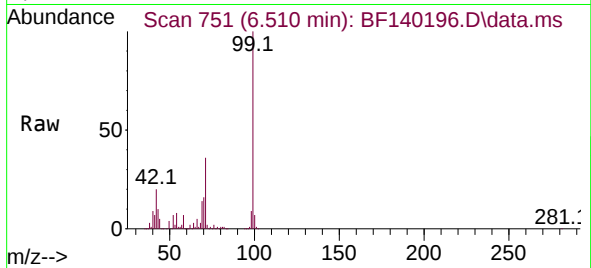


#7
Phenol-d6
Concen: 110.345 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 1055123

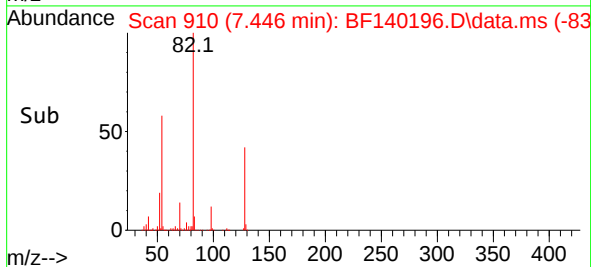
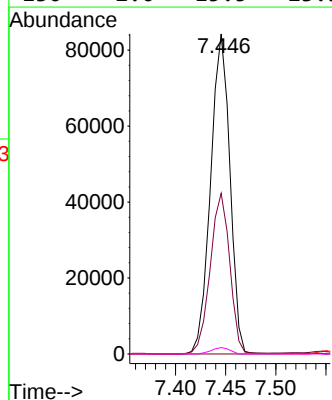
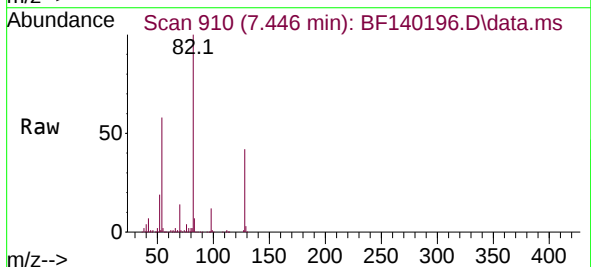
Ion	Ratio	Lower	Upper
99	100		
42	20.2	16.7	25.1
71	35.8	27.7	41.5



#19
n-Nitroso-di-n-propylamine
Concen: 19.483 ng
RT: 7.446 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

Tgt Ion: 70 Resp: 112987

Ion	Ratio	Lower	Upper
70	100		
42	50.2	51.5	77.3#
101	0.0	7.5	11.3#
130	2.0	15.5	23.3#



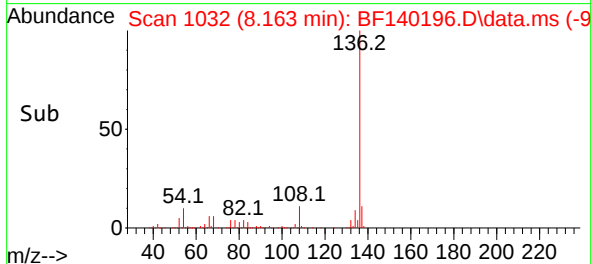
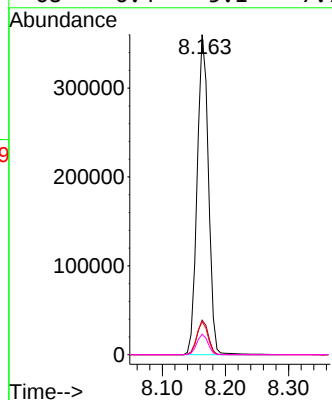
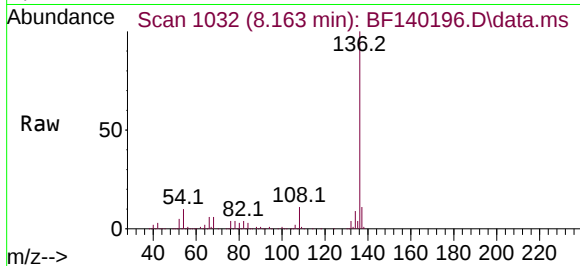


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.011 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 446337

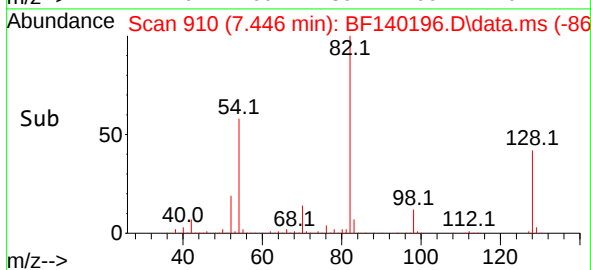
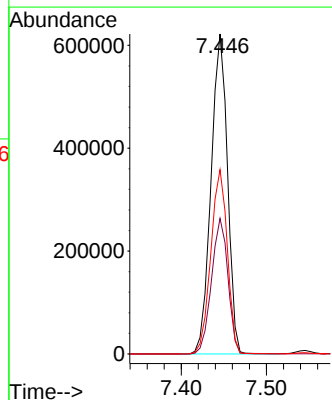
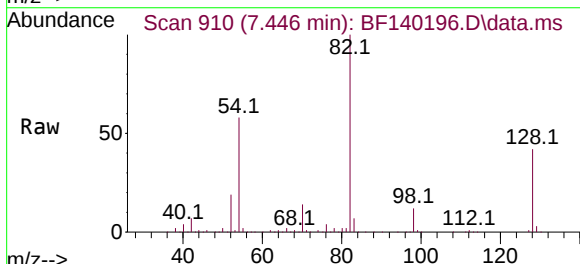
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	10.3	8.4	12.6
68	6.4	5.1	7.7



#23
Nitrobenzene-d5
Concen: 103.844 ng
RT: 7.446 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

Tgt Ion: 82 Resp: 836276

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.4	50.0
54	57.6	47.8	71.8

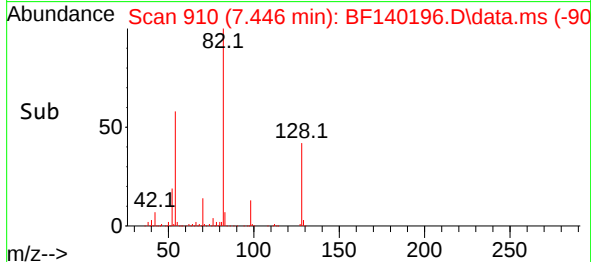
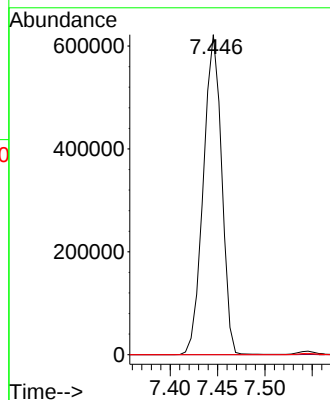
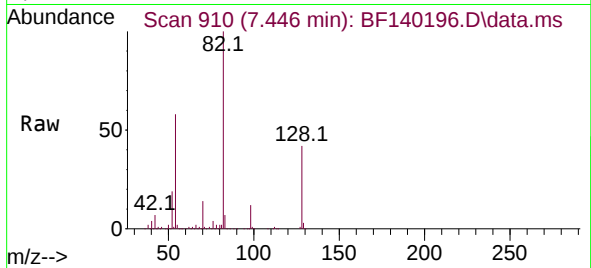




#25
Isophorone
Concen: 54.519 ng
RT: 7.446 min Scan# 91
Delta R.T. -0.264 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

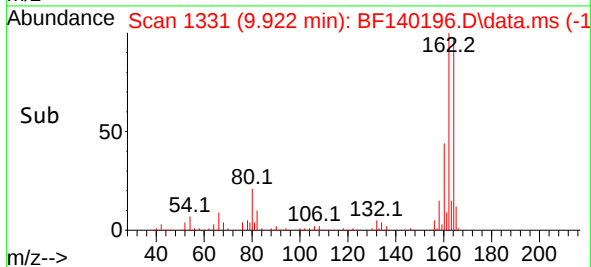
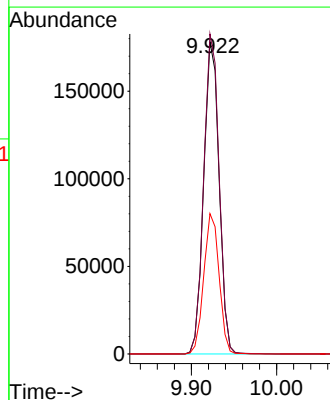
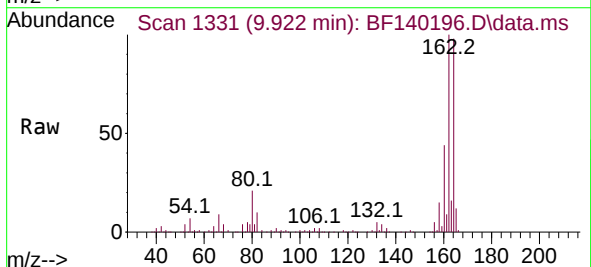
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 82 Resp: 833319
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: BF140196.D
Acq: 31 Oct 2024 18:21

Tgt Ion:164 Resp: 223817
Ion Ratio Lower Upper
164 100
162 102.5 81.0 121.4
160 44.9 35.4 53.0

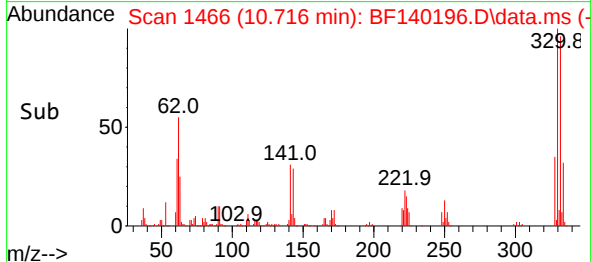
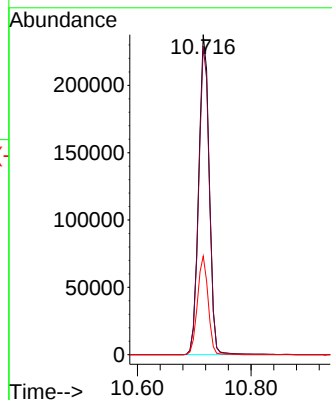
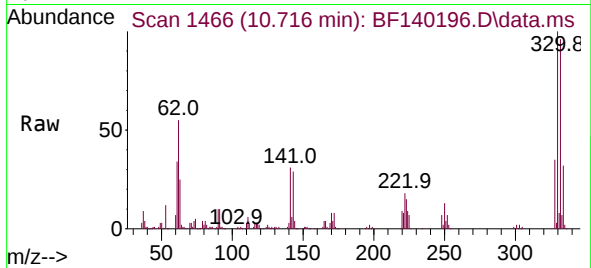




#42
2,4,6-Tribromophenol
Concen: 147.394 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

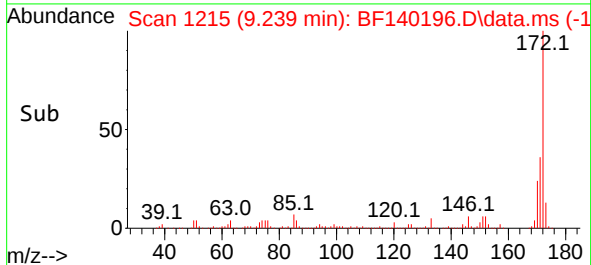
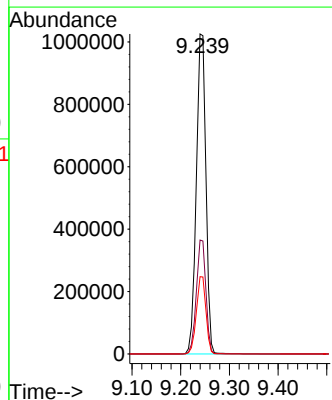
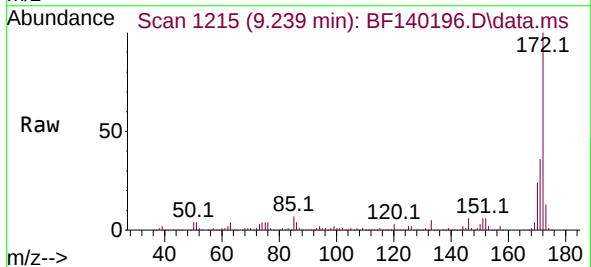
Instrument :
BNA_F
ClientSampleId :
TP-4

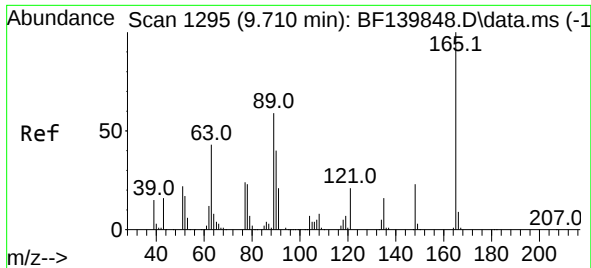
Tgt Ion:330 Resp: 308571
Ion Ratio Lower Upper
330 100
332 96.8 78.1 117.1
141 30.8 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 104.274 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.011 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

Tgt Ion:172 Resp: 1412140
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 24.1 19.1 28.7

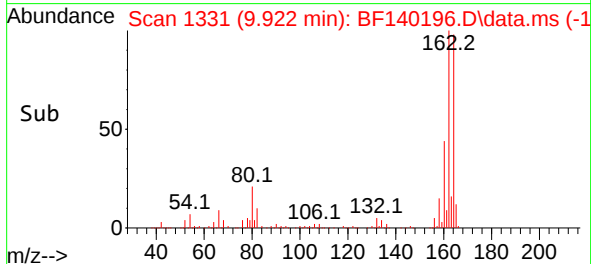
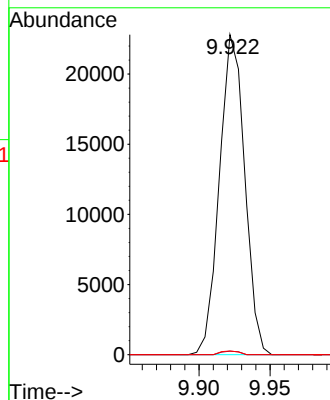
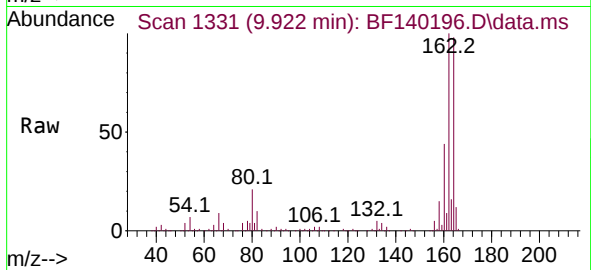




#51
2,6-Dinitrotoluene
Concen: 9.341 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

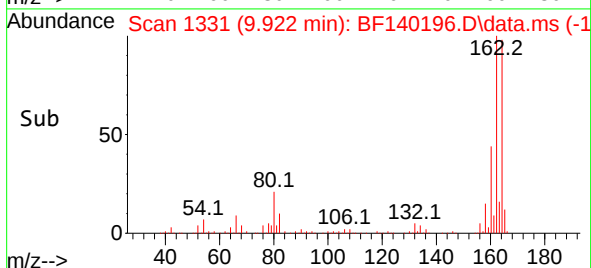
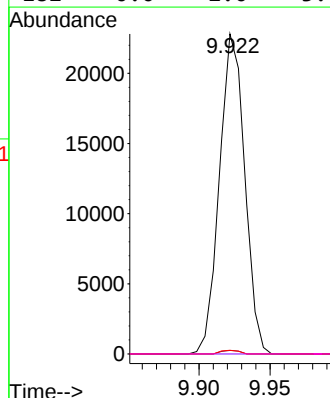
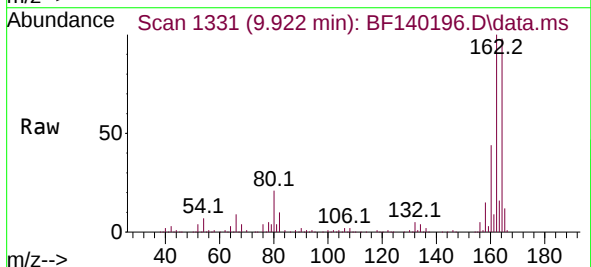
Instrument :
BNA_F
ClientSampleId :
TP-4

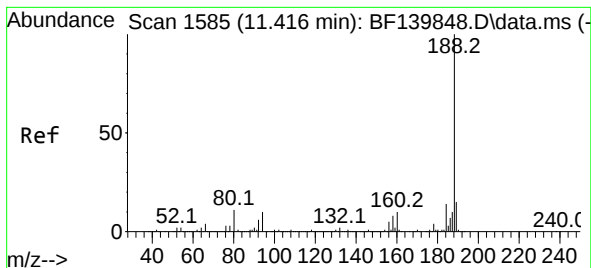
Tgt Ion:165 Resp: 28197
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.1 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.596 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140196.D
Acq: 31 Oct 2024 18:21

Tgt Ion:165 Resp: 28197
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.1 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: BF140196.D

Acq: 31 Oct 2024 18:21

Instrument :

BNA_F

ClientSampleId :

TP-4

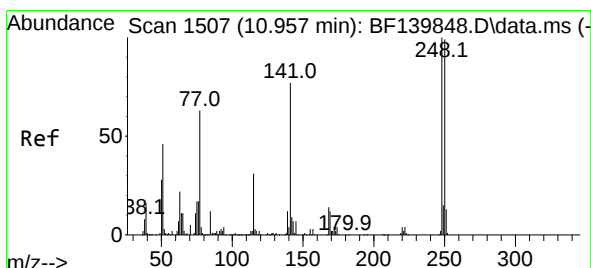
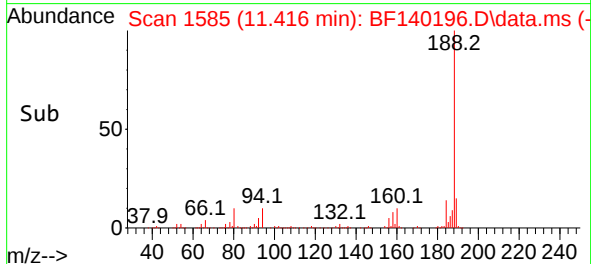
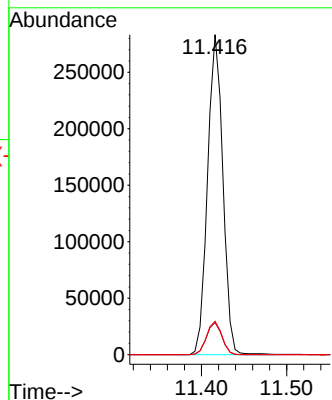
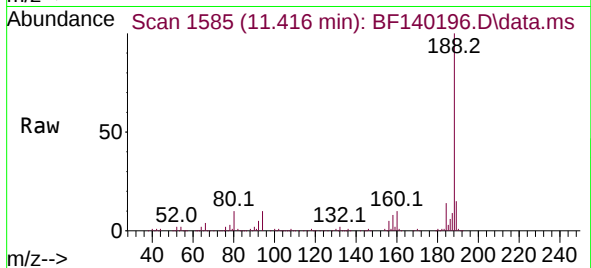
Tgt Ion:188 Resp: 353463

Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

80 10.5 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 5.667 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.241 min

Lab File: BF140196.D

Acq: 31 Oct 2024 18:21

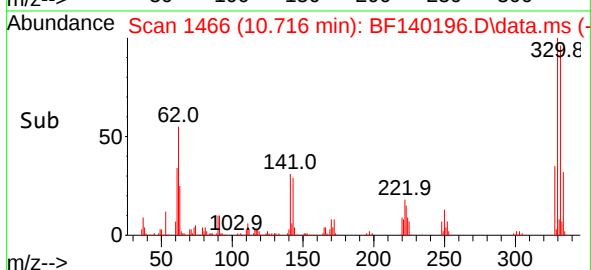
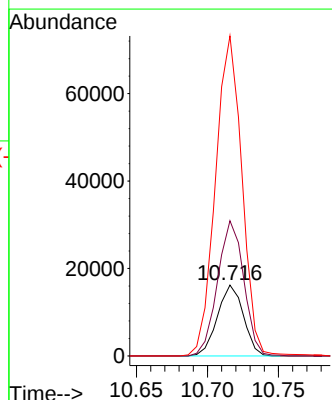
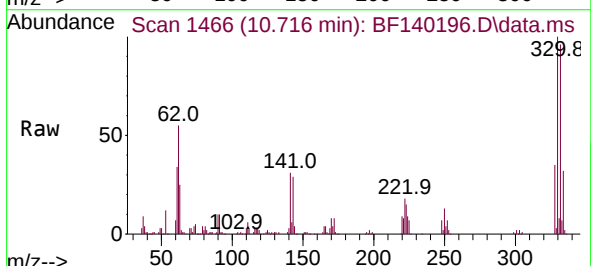
Tgt Ion:248 Resp: 20634

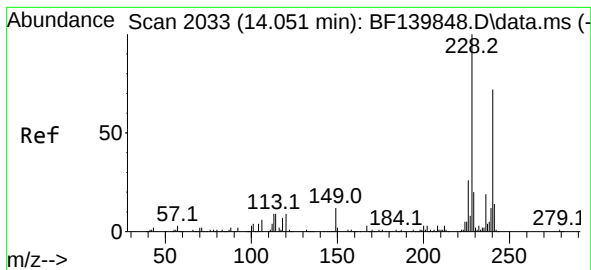
Ion Ratio Lower Upper

248 100

250 190.9 79.0 118.6#

141 451.6 61.7 92.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.018 min

Lab File: BF140196.D

Acq: 31 Oct 2024 18:21

Instrument :

BNA_F

ClientSampleId :

TP-4

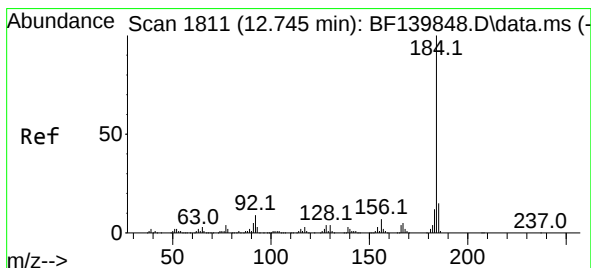
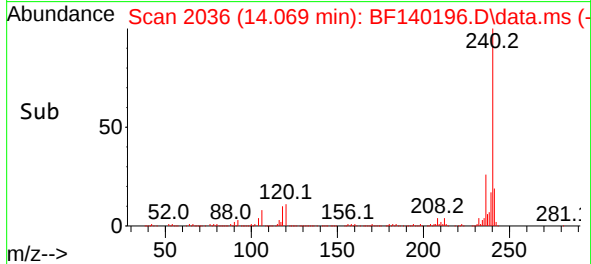
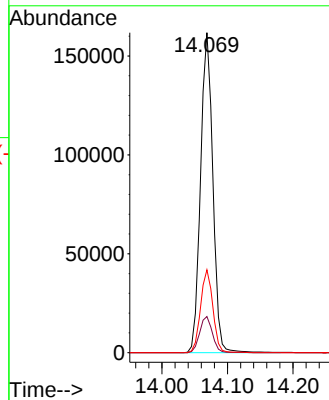
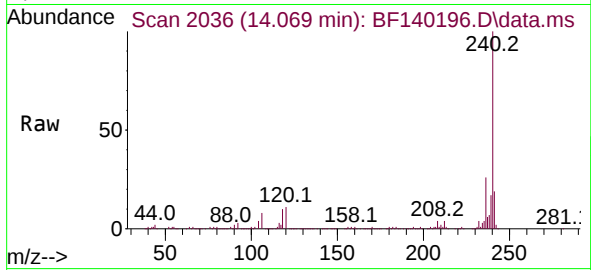
Tgt Ion:240 Resp: 211733

Ion Ratio Lower Upper

240 100

120 11.3 9.4 14.2

236 25.9 20.9 31.3



#77

Benzidine

Concen: 5.061 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.265 min

Lab File: BF140196.D

Acq: 31 Oct 2024 18:21

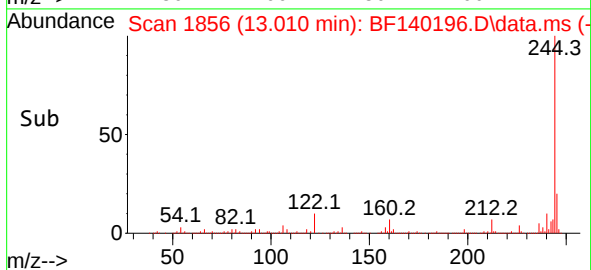
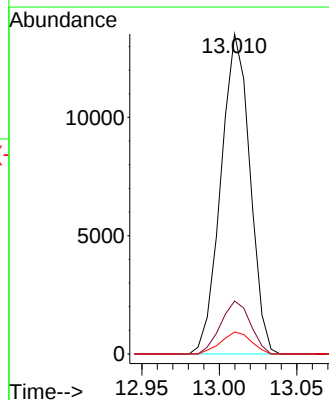
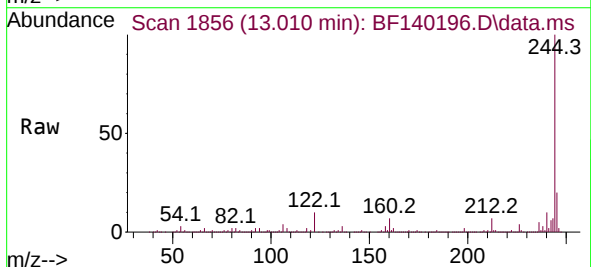
Tgt Ion:184 Resp: 17619

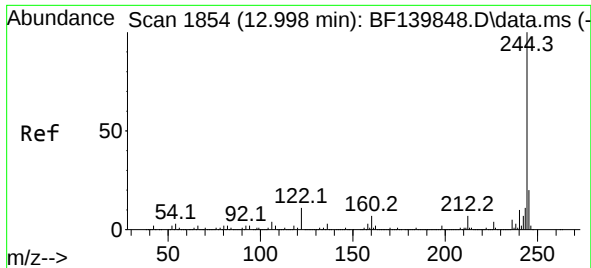
Ion Ratio Lower Upper

184 100

185 16.6 12.0 18.0

183 6.8 9.4 14.2#

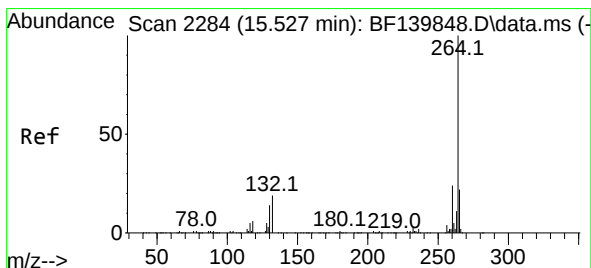
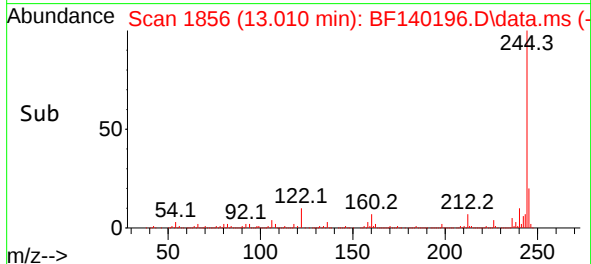
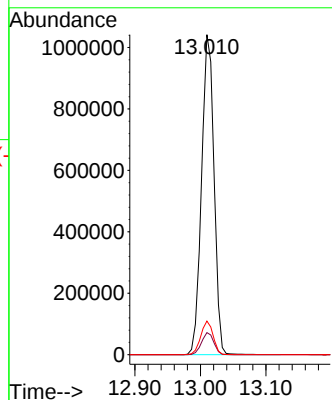
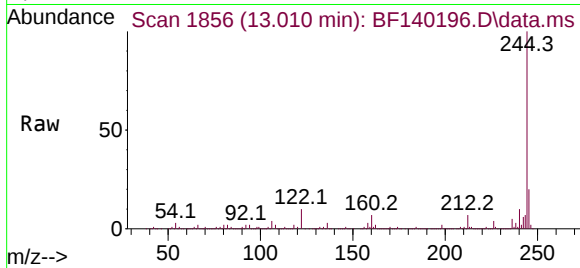




#79
 Terphenyl-d14
 Concen: 106.449 ng
 RT: 13.010 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF140196.D
 Acq: 31 Oct 2024 18:21

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Tgt Ion:244 Resp: 1383191
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.7 8.5
 122 10.5 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 2292
 Delta R.T. 0.047 min
 Lab File: BF140196.D
 Acq: 31 Oct 2024 18:21

Tgt Ion:264 Resp: 162691
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 21.1 17.4 26.0

