

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140169.D
 Acq On : 30 Oct 2024 20:25
 Operator : RC/JU
 Sample : P4611-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Nov 01 02:19:06 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)

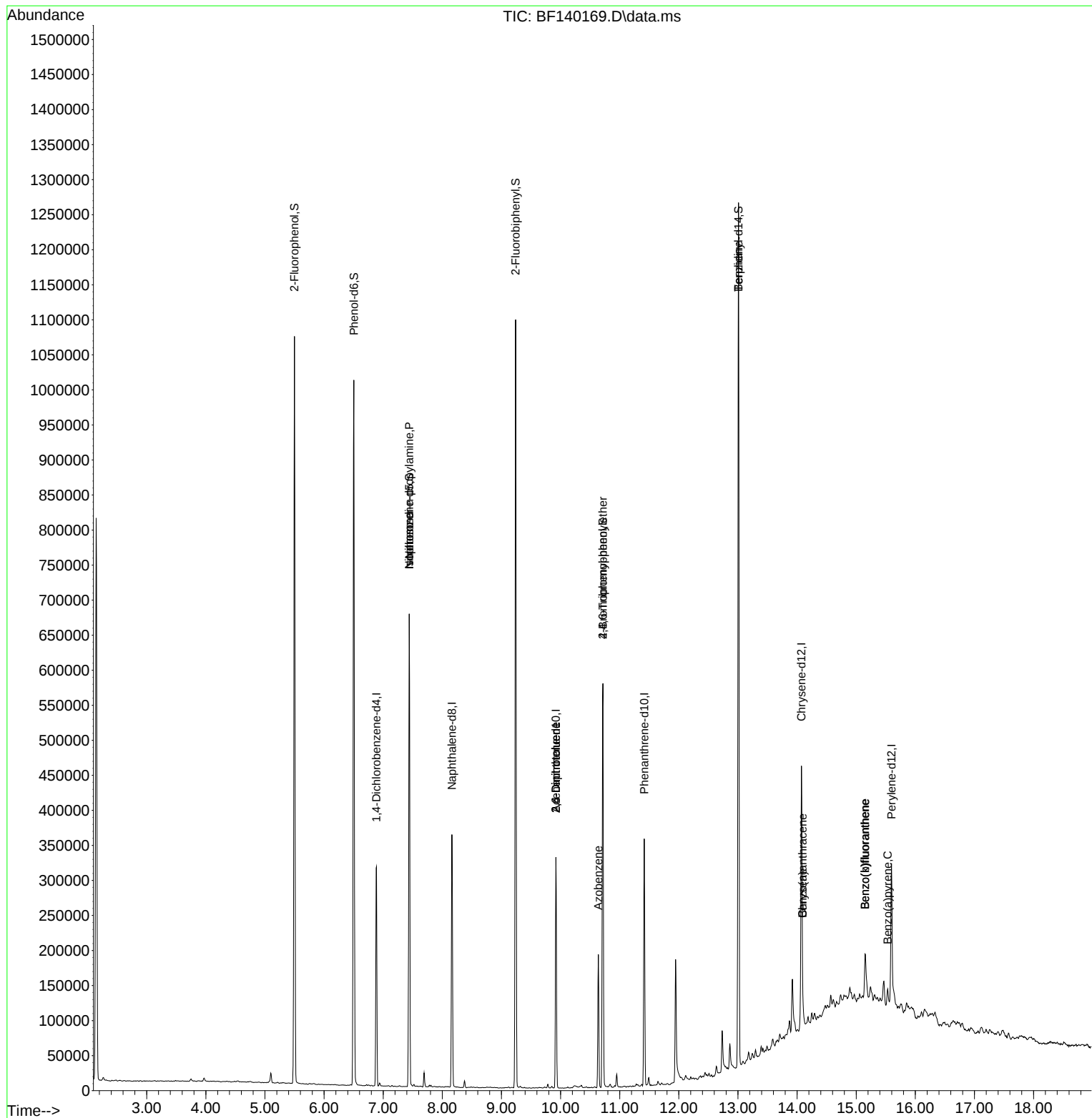
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	63395	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	208281	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	94346	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	181356	20.000	ng	0.00
76) Chrysene-d12	14.074	240	168887	20.000	ng	0.02
86) Perylene-d12	15.598	264	119254	20.000	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	366751	90.566	ng	0.00
7) Phenol-d6	6.504	99	443677	84.594	ng	0.00
23) Nitrobenzene-d5	7.439	82	280992	74.772	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	92198	104.476	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	462445	81.008	ng	-0.01
79) Terphenyl-d14	13.010	244	592101	57.128	ng	0.01
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.439	70	37665	11.841	ng	# 79
25) Isophorone	7.439	82	279955	39.250	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	12343	9.701	ng	# 20
57) 2,4-Dinitrotoluene	9.922	165	12343	7.888	ng	# 19
63) Azobenzene	10.639	77	46680	7.631	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	6292	3.368	ng	# 1
77) Benzidine	13.010	184	7906	2.847	ng	# 90
81) Benzo(a)anthracene	14.092	228	37315	3.394	ng	95
83) Chrysene	14.092	228	37315	3.702	ng	98
88) Benzo(b)fluoranthene	15.151	252	46112	6.348	ng	# 95
89) Benzo(k)fluoranthene	15.151	252	46112	7.360	ng	# 95
90) Benzo(a)pyrene	15.533	252	15995	2.676	ng	# 90

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

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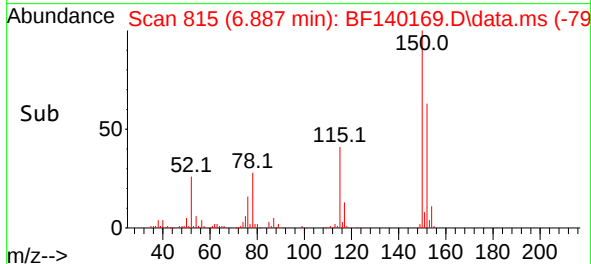
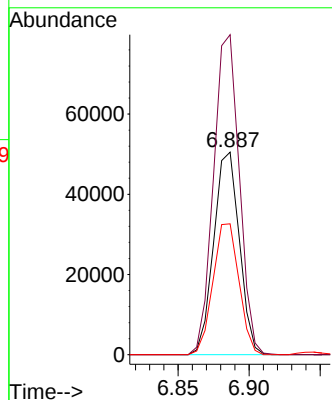
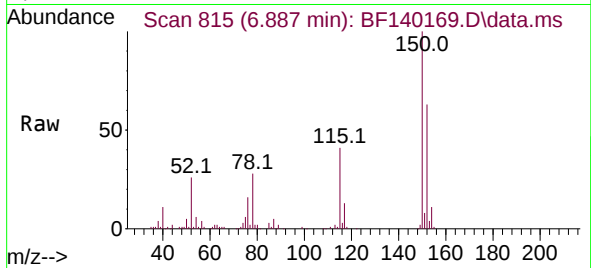




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

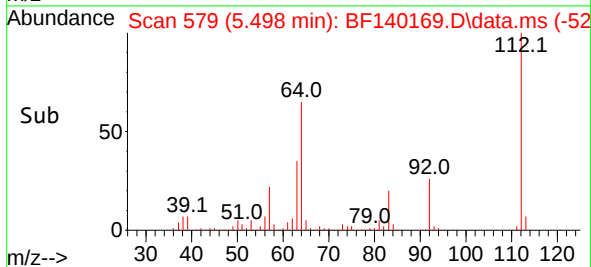
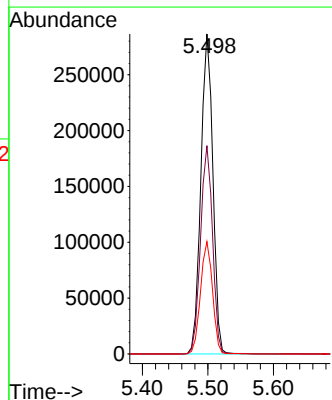
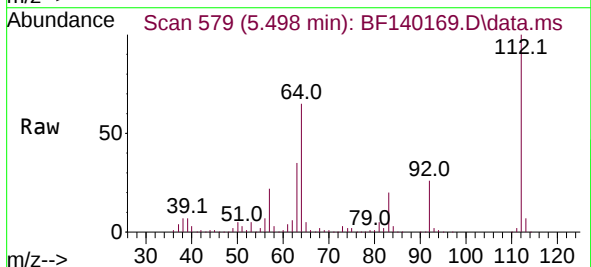
Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:152 Resp: 63395
Ion Ratio Lower Upper
152 100
150 158.0 130.2 195.2
115 64.6 51.4 77.2



#5
2-Fluorophenol
Concen: 90.566 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

Tgt Ion:112 Resp: 366751
Ion Ratio Lower Upper
112 100
64 65.1 53.0 79.6
63 35.1 27.0 40.4





#7
Phenol-d6
Concen: 84.594 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

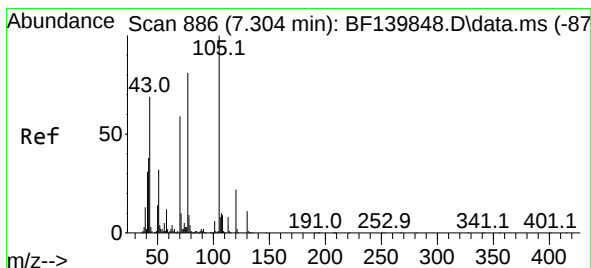
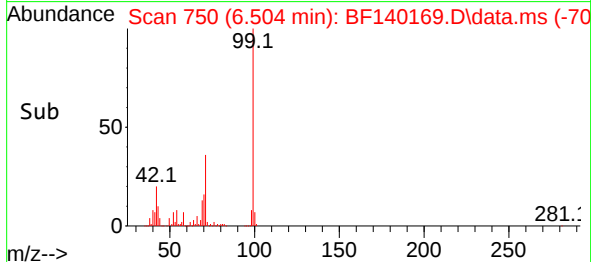
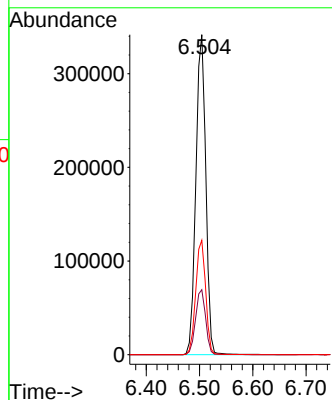
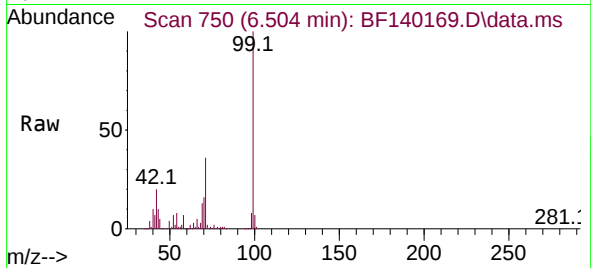
Instrument :

BNA_F

ClientSampleId :

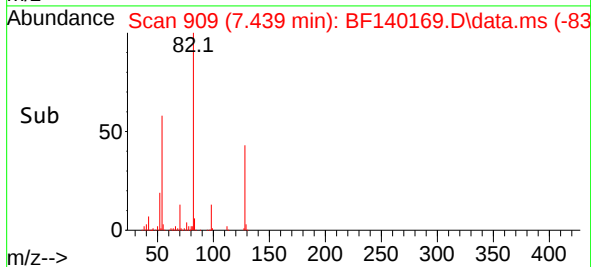
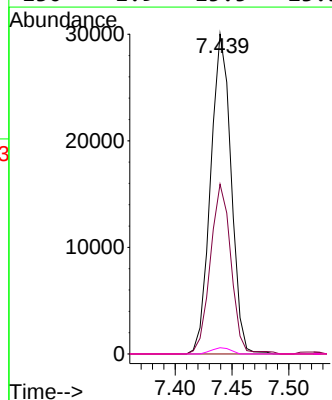
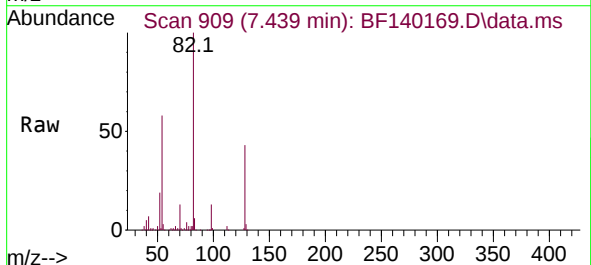
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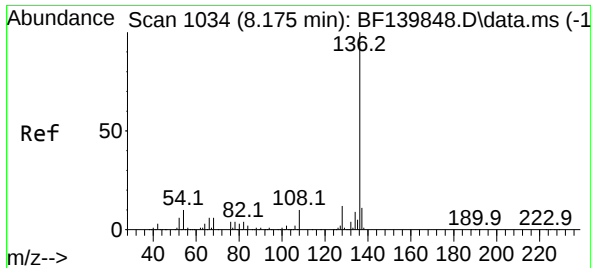
Tgt Ion: 99 Resp: 443677
Ion Ratio Lower Upper
99 100
42 20.3 16.7 25.1
71 35.8 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.841 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.135 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

Tgt Ion: 70 Resp: 37665
Ion Ratio Lower Upper
70 100
42 53.1 51.5 77.3
101 0.0 7.5 11.3#
130 1.9 15.5 23.3#

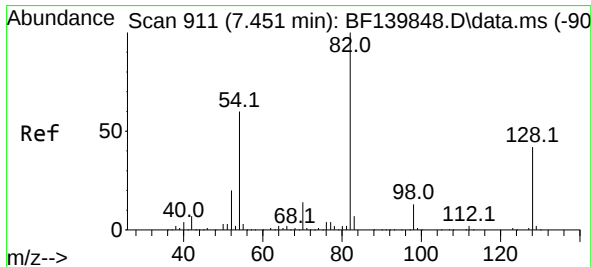
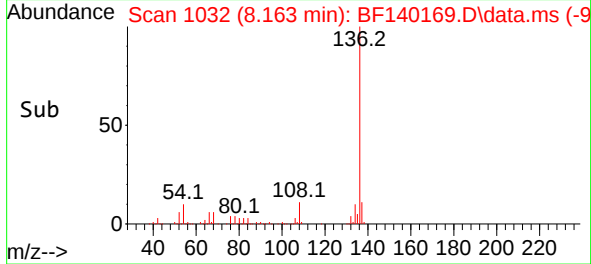
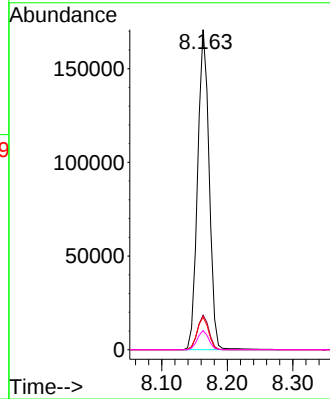
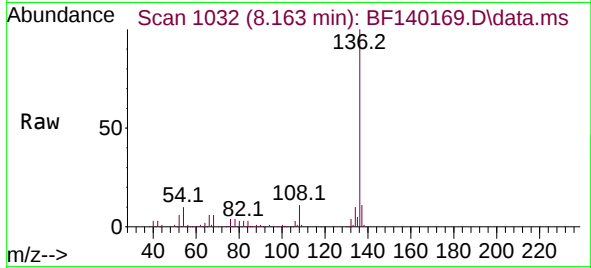




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

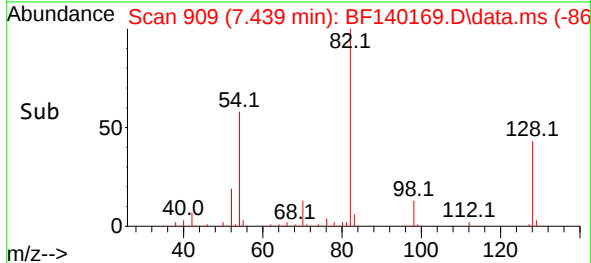
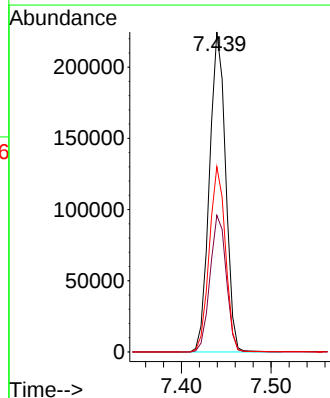
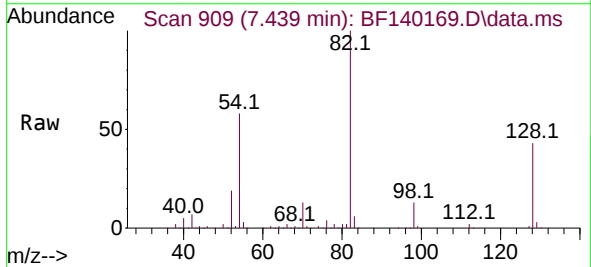
Instrument :
BNA_F
ClientSampleId :
TP-3

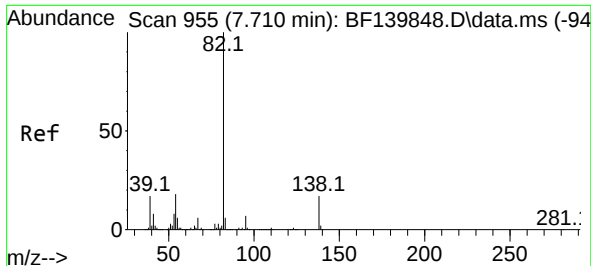
Tgt Ion:136	Resp: 208281
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 12.8
54 10.1	8.4 12.6
68 5.9	5.1 7.7



#23
Nitrobenzene-d5
Concen: 74.772 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

Tgt	Ion: 82	Resp:	280992
Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.4	50.0
54	57.9	47.8	71.8

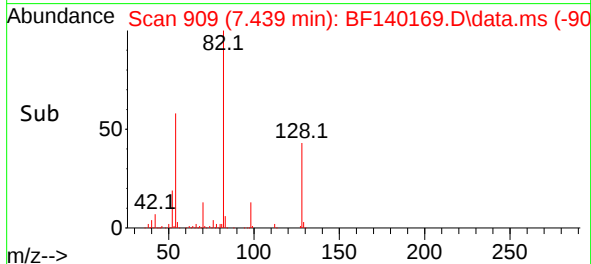
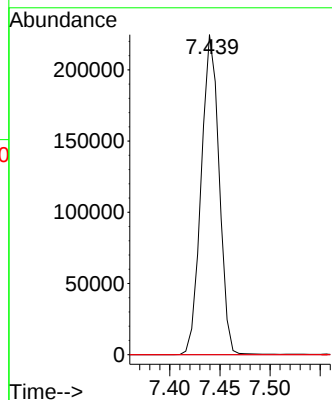
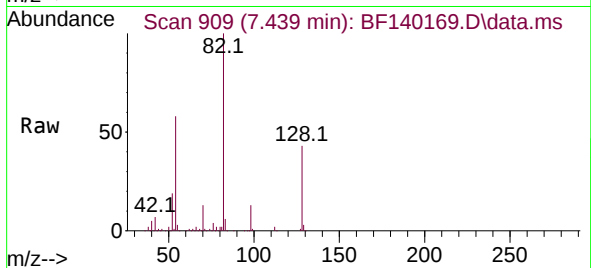




#25
Isophorone
Concen: 39.250 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.270 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

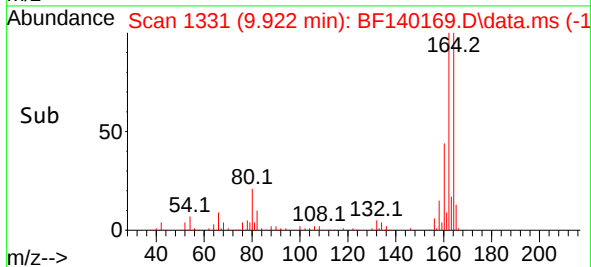
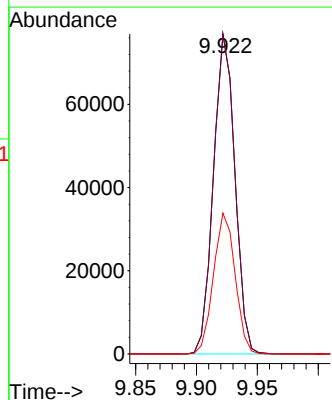
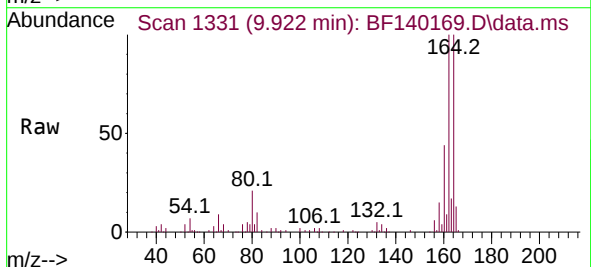
Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion: 82 Resp: 279955
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: BF140169.D
Acq: 30 Oct 2024 20:25

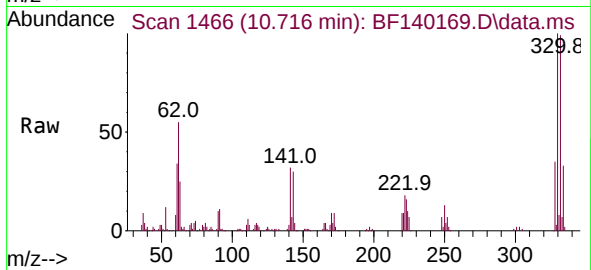
Tgt Ion: 164 Resp: 94346
Ion Ratio Lower Upper
164 100
162 99.9 81.0 121.4
160 44.0 35.4 53.0



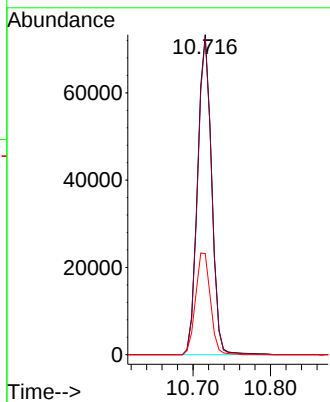
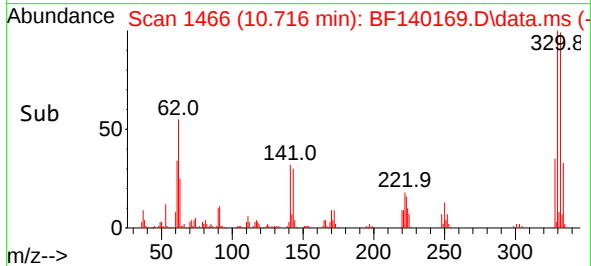


#42
2,4,6-Tribromophenol
Concen: 104.476 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

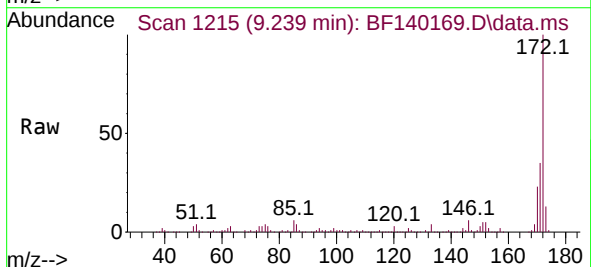
Instrument :
BNA_F
ClientSampleId :
TP-3



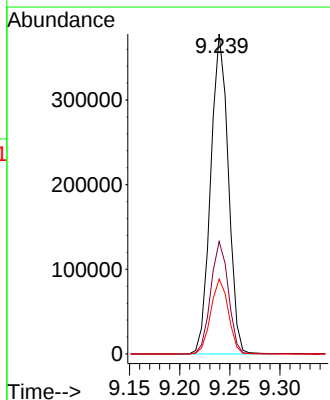
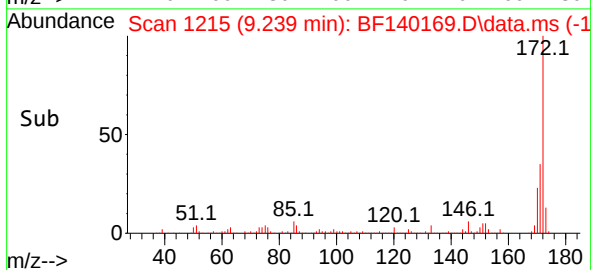
Tgt Ion:330 Resp: 92198
Ion Ratio Lower Upper
330 100
332 98.2 78.1 117.1
141 33.5 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 81.008 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25



Tgt Ion:172 Resp: 462445
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.4 19.1 28.7

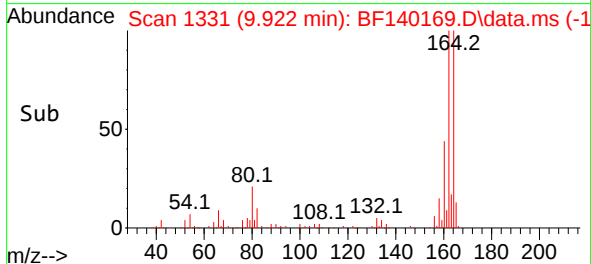
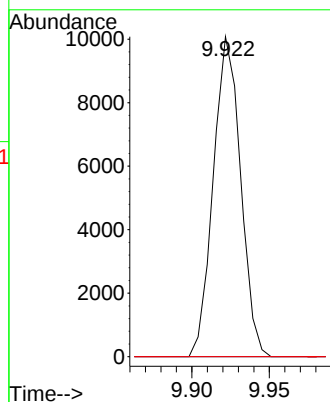
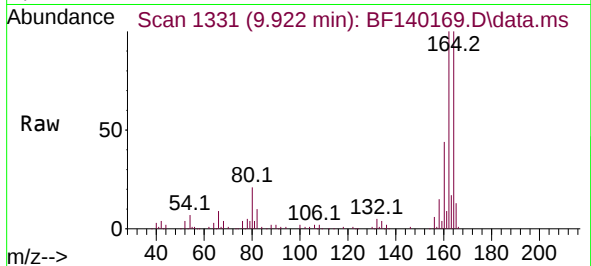




#51
2,6-Dinitrotoluene
Concen: 9.701 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

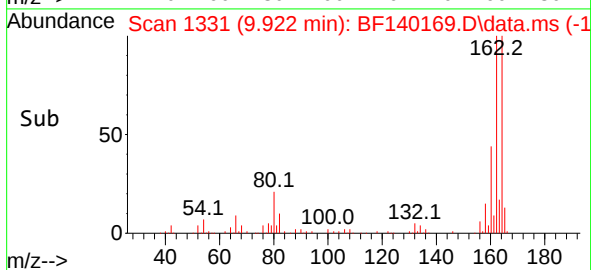
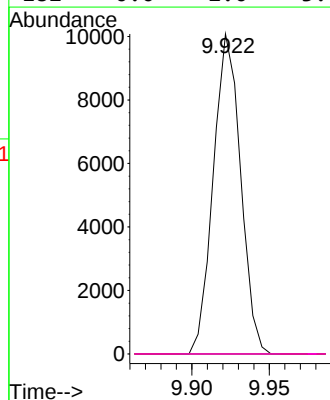
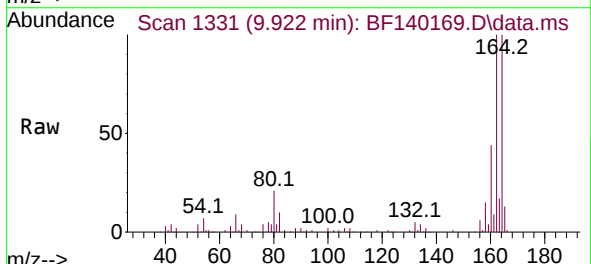
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BNA_F
ClientSampleId :
TP-3

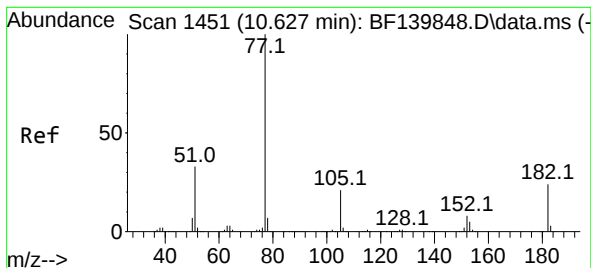
Tgt Ion:165 Resp: 12343
Ion Ratio Lower Upper
165 100
63 0.0 50.6 75.8#
89 0.0 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.888 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

Tgt Ion:165 Resp: 12343
Ion Ratio Lower Upper
165 100
63 0.0 40.1 60.1#
89 0.0 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 7.631 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF140169.D

Acq: 30 Oct 2024 20:25

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion: 77 Resp: 46680

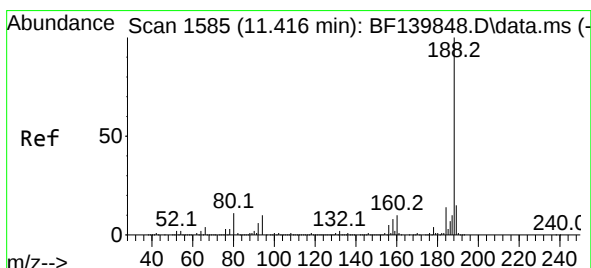
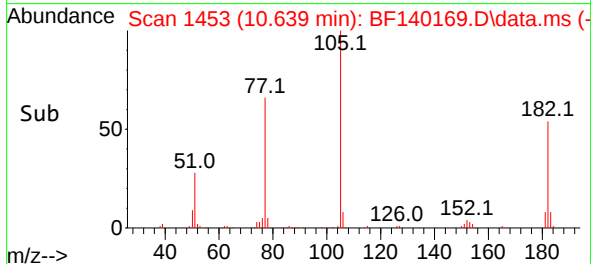
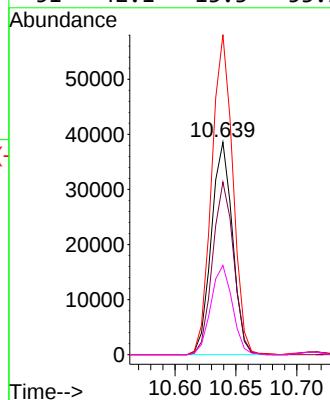
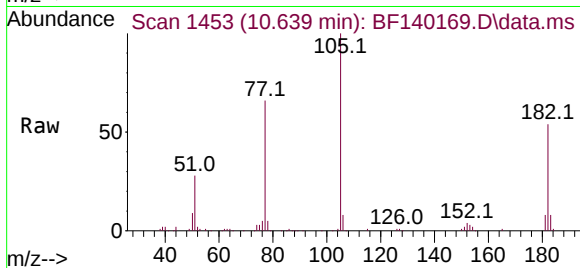
Ion Ratio Lower Upper

77 100

182 81.3 3.3 43.3#

105 150.6 1.2 41.2#

51 42.1 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF140169.D

Acq: 30 Oct 2024 20:25

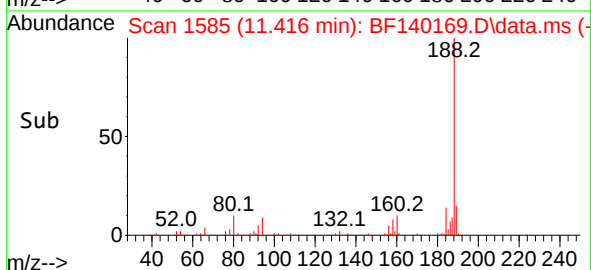
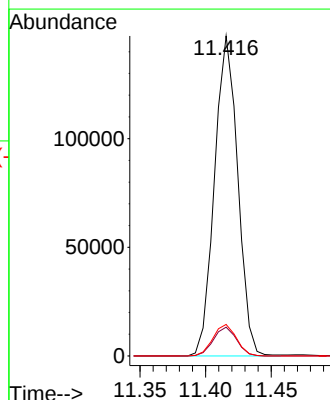
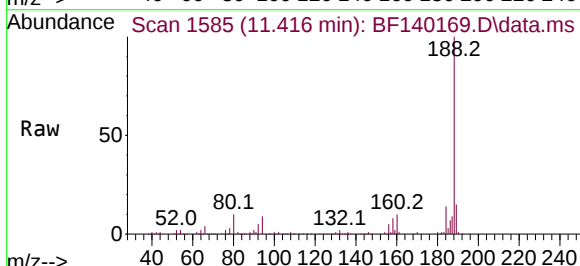
Tgt Ion: 188 Resp: 181356

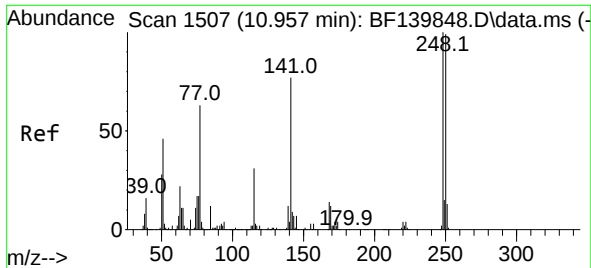
Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

80 9.9 9.0 13.4

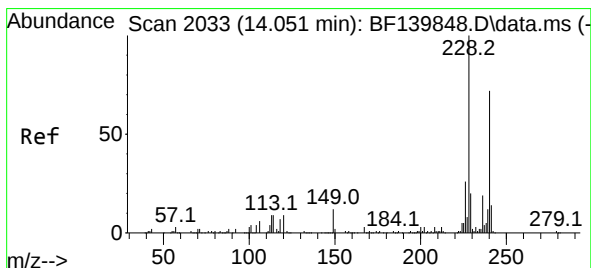
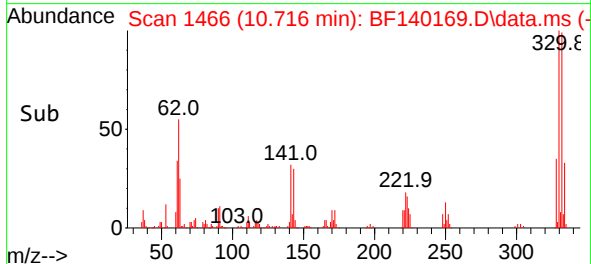
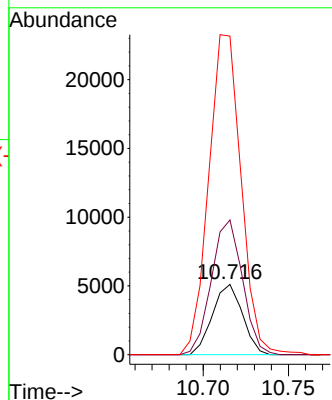
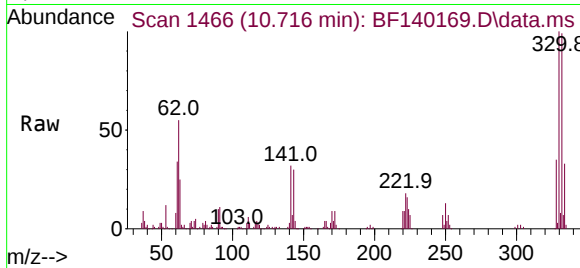




#67
4-Bromophenyl-phenylether
Concen: 3.368 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

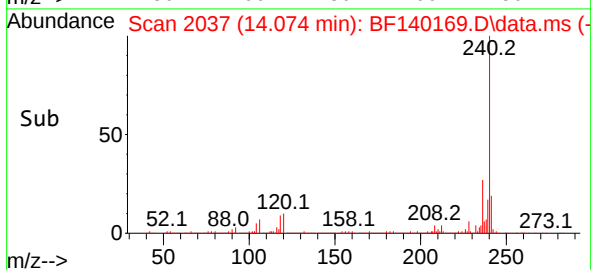
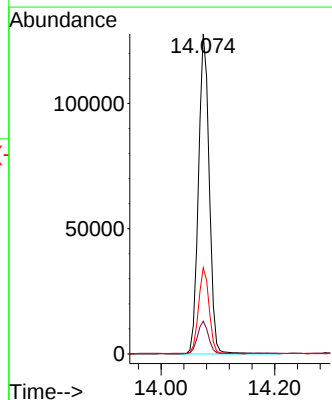
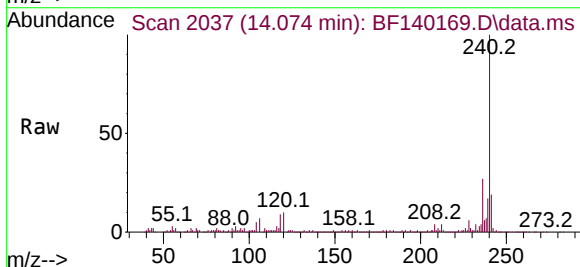
Instrument :
BNA_F
ClientSampleId :
TP-3

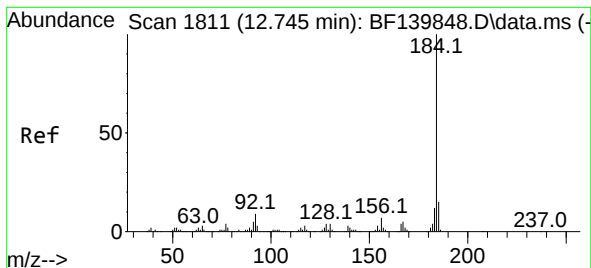
Tgt Ion:248 Resp: 6292
Ion Ratio Lower Upper
248 100
250 191.8 79.0 118.6#
141 453.3 61.7 92.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.024 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

Tgt Ion:240 Resp: 168887
Ion Ratio Lower Upper
240 100
120 10.2 9.4 14.2
236 26.9 20.9 31.3





#77

Benzidine

Concen: 2.847 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.265 min

Lab File: BF140169.D

Acq: 30 Oct 2024 20:25

Instrument :

BNA_F

ClientSampleId :

TP-3

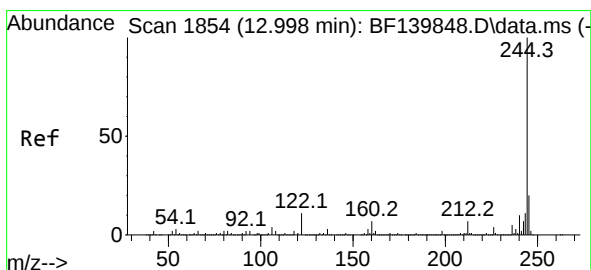
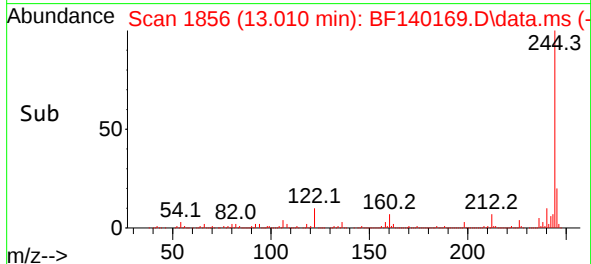
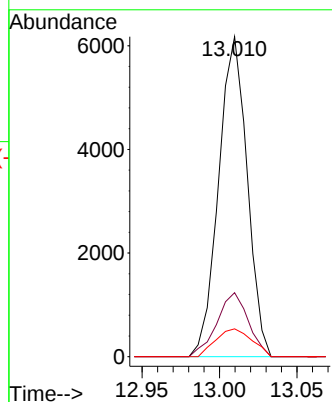
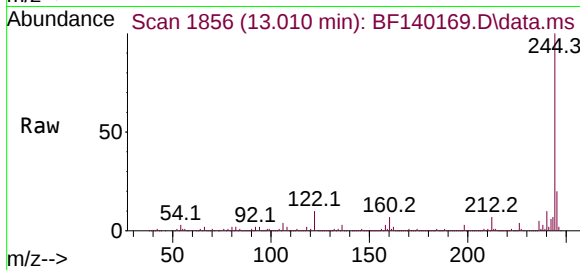
Tgt Ion:184 Resp: 7906

Ion Ratio Lower Upper

184 100

185 20.0 12.0 18.0#

183 8.7 9.4 14.2#



#79

Terphenyl-d14

Concen: 57.128 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.012 min

Lab File: BF140169.D

Acq: 30 Oct 2024 20:25

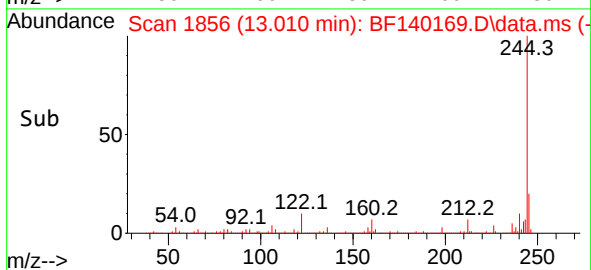
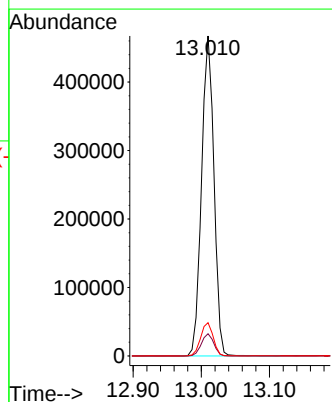
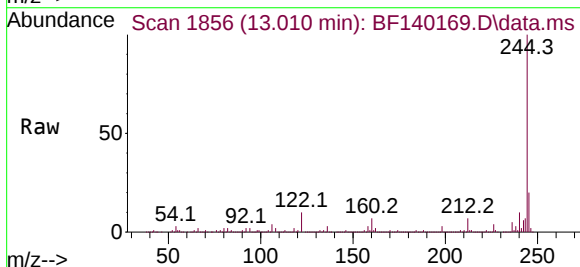
Tgt Ion:244 Resp: 592101

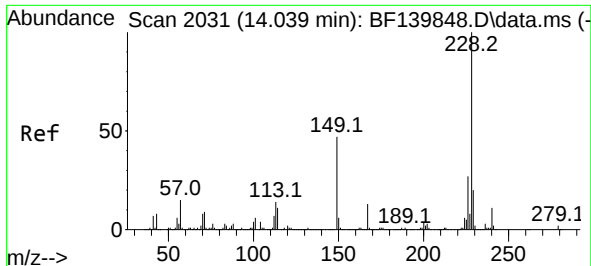
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 10.4 8.6 13.0

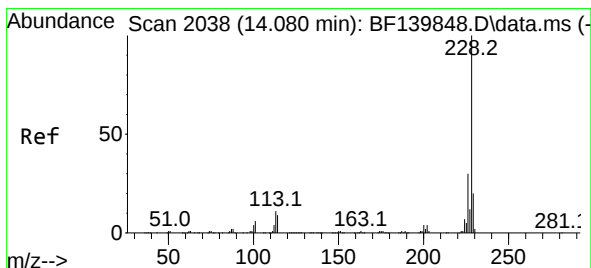
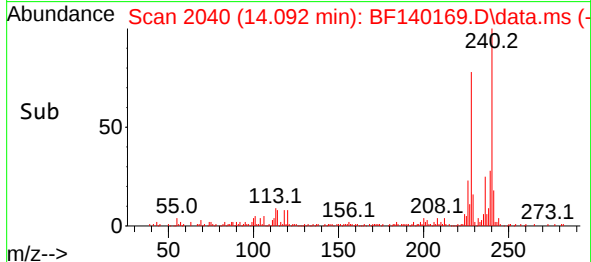
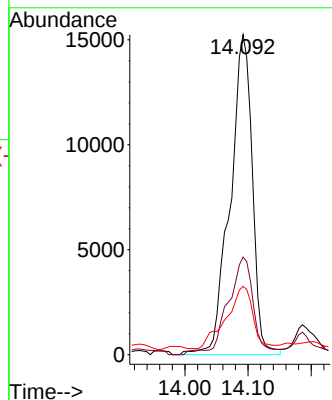
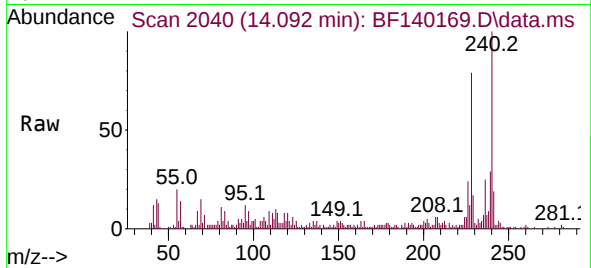




#81
Benzo(a)anthracene
Concen: 3.394 ng
RT: 14.092 min Scan# 2040
Delta R.T. 0.053 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

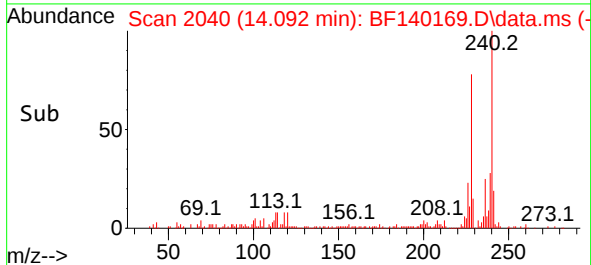
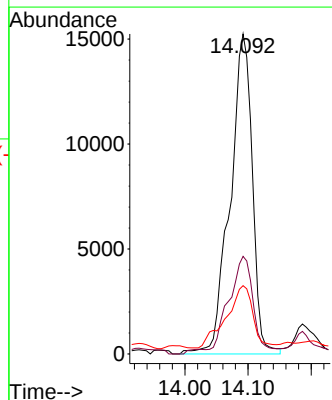
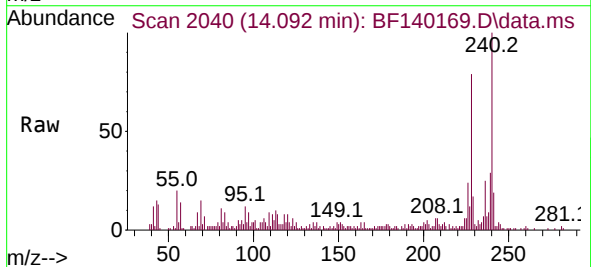
Instrument :
BNA_F
ClientSampleId :
TP-3

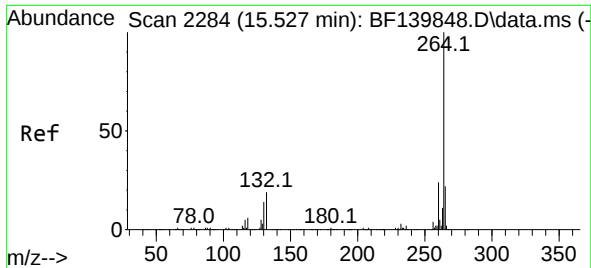
Tgt Ion:228 Resp: 37315
Ion Ratio Lower Upper
228 100
226 30.5 21.6 32.4
229 21.3 16.1 24.1



#83
Chrysene
Concen: 3.702 ng
RT: 14.092 min Scan# 2040
Delta R.T. 0.012 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

Tgt Ion:228 Resp: 37315
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.3 15.8 23.6

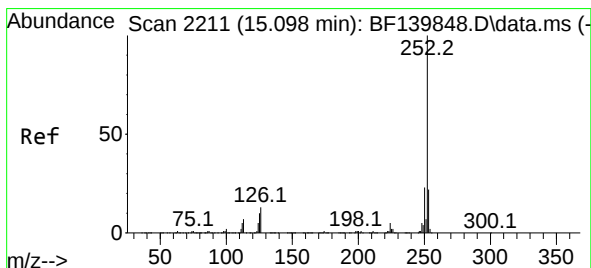
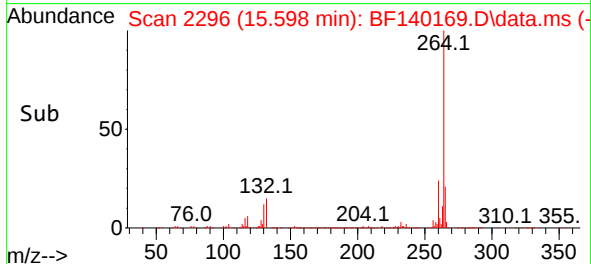
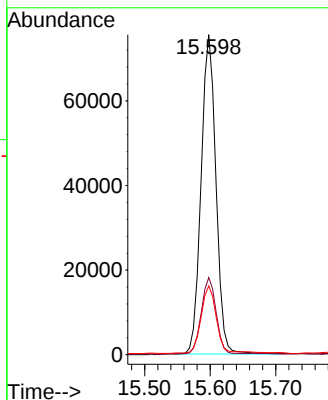
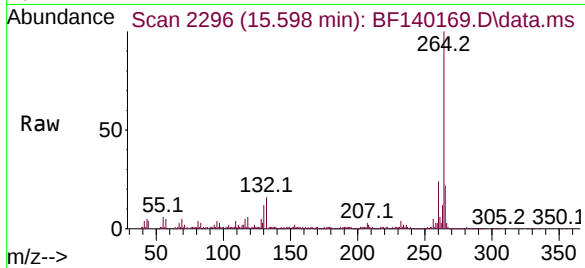




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 21
Delta R.T. 0.071 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

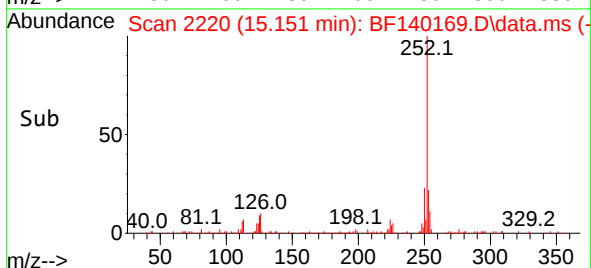
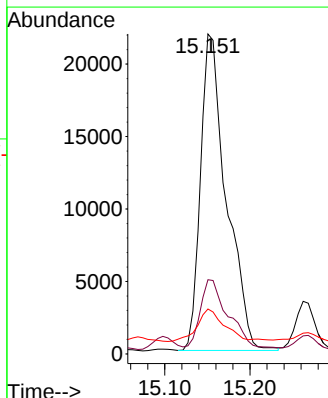
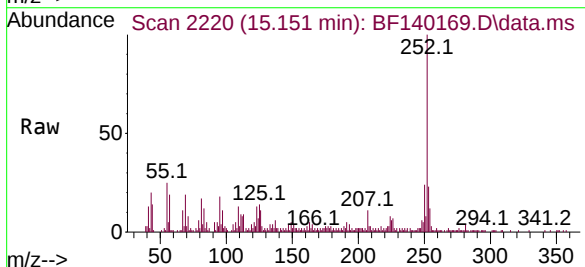
Instrument :
BNA_F
ClientSampleId :
TP-3

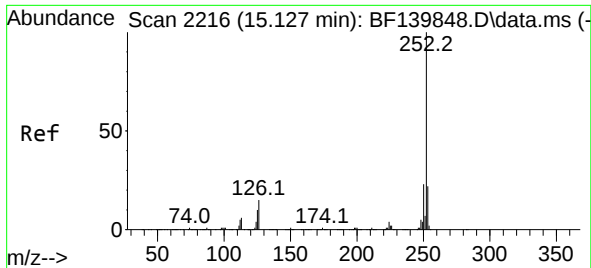
Tgt Ion:264 Resp: 119254
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 21.5 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 6.348 ng
RT: 15.151 min Scan# 2220
Delta R.T. 0.053 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

Tgt Ion:252 Resp: 46112
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 14.1 7.9 11.9#

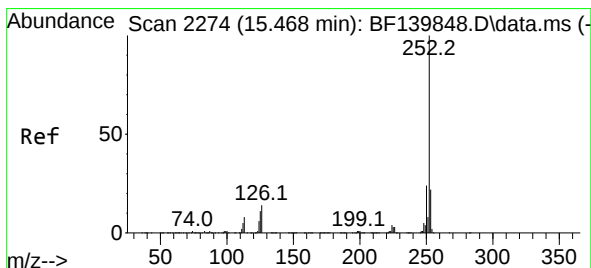
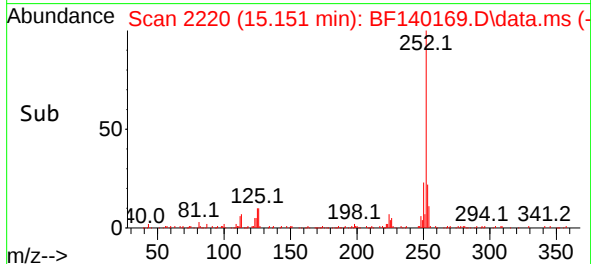
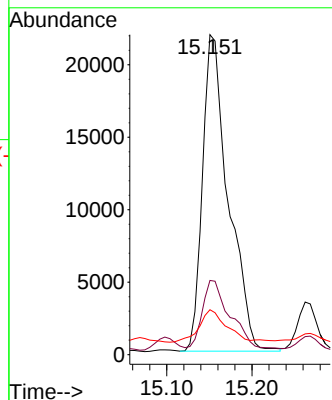
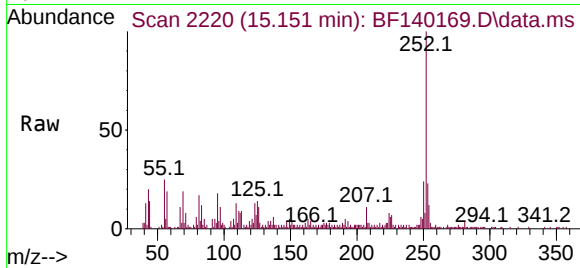




#89
Benzo(k)fluoranthene
Concen: 7.360 ng
RT: 15.151 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

Instrument :
BNA_F
ClientSampleId :
TP-3

Tgt Ion:252 Resp: 46112
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 14.1 7.9 11.9#



#90
Benzo(a)pyrene
Concen: 2.676 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.065 min
Lab File: BF140169.D
Acq: 30 Oct 2024 20:25

Tgt Ion:252 Resp: 15995
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 18.1 8.7 13.1#

