

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139945.D
 Acq On : 22 Oct 2024 23:14
 Operator : RC/JU
 Sample : P4385-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-8

Quant Time: Oct 23 01:14:49 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)

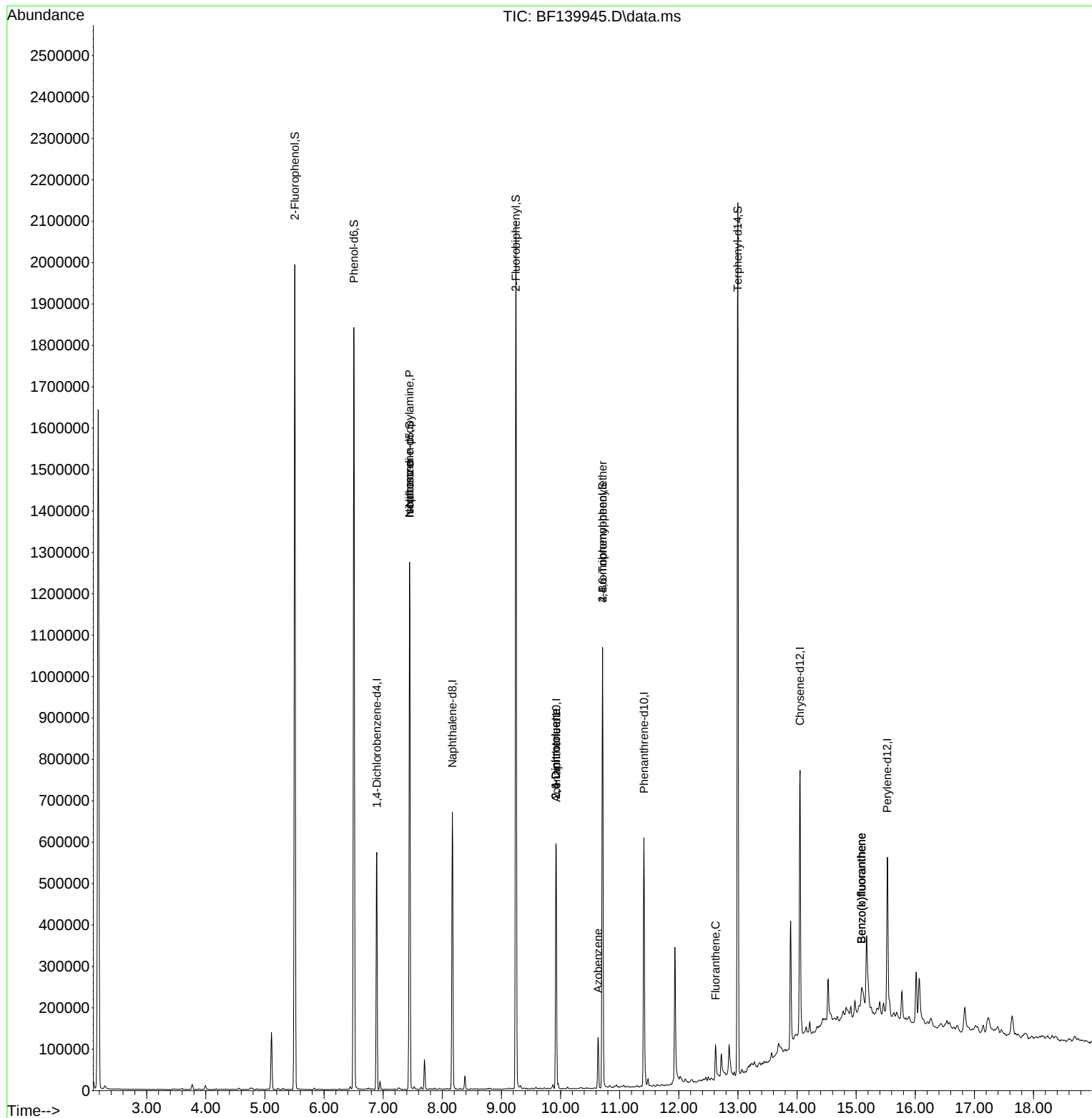
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	119007	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	400056	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	182483	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	307887	20.000	ng	0.00
76) Chrysene-d12	14.051	240	297752	20.000	ng	0.00
86) Perylene-d12	15.527	264	223198	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	724377	95.289	ng	0.00
7) Phenol-d6	6.504	99	848986	86.229	ng	0.00
23) Nitrobenzene-d5	7.445	82	548950	76.051	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	174780	102.397	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	902085	81.699	ng	0.00
79) Terphenyl-d14	12.998	244	1034993	56.641	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.445	70	73542	12.316	ng	# 77
25) Isophorone	7.445	82	546653	39.902	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	23689	9.625	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	23689	7.827	ng	# 21
63) Azobenzene	10.634	77	31144	2.632	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	11832	3.730	ng	# 1
75) Fluoranthene	12.622	202	39733	2.703	ng	99
88) Benzo(b)fluoranthene	15.092	252	34246	2.519	ng	# 85
89) Benzo(k)fluoranthene	15.092	252	34246	2.921	ng	# 85

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

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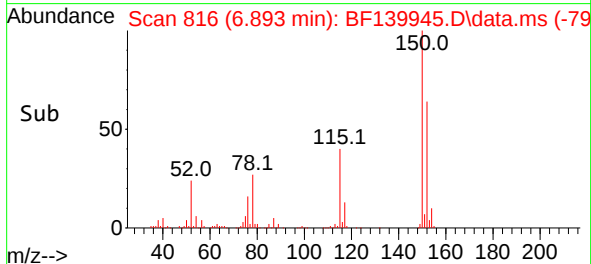
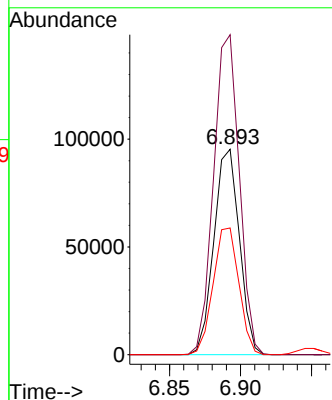
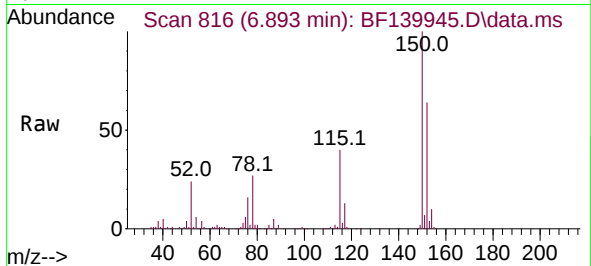




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

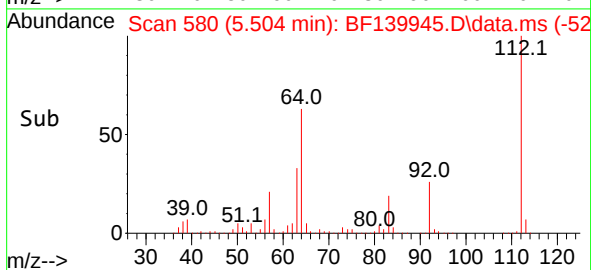
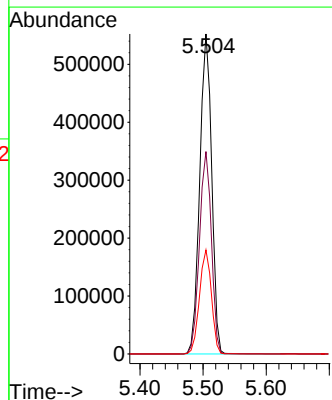
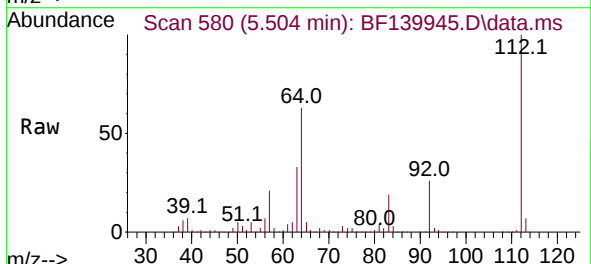
Instrument :
BNA_F
ClientSampleId :
SP-8

Tgt Ion:152 Resp: 119007
Ion Ratio Lower Upper
152 100
150 155.7 130.2 195.2
115 61.7 51.4 77.2



#5
2-Fluorophenol
Concen: 95.289 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion:112 Resp: 724377
Ion Ratio Lower Upper
112 100
64 63.2 53.0 79.6
63 32.5 27.0 40.4

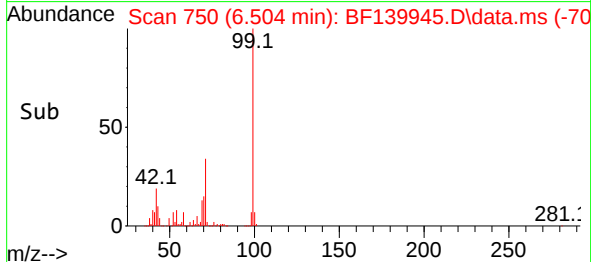
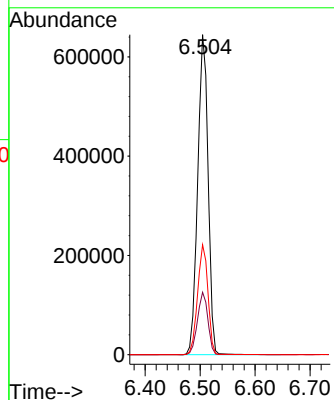
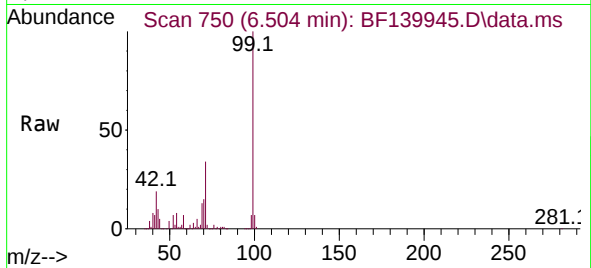




#7
Phenol-d6
Concen: 86.229 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

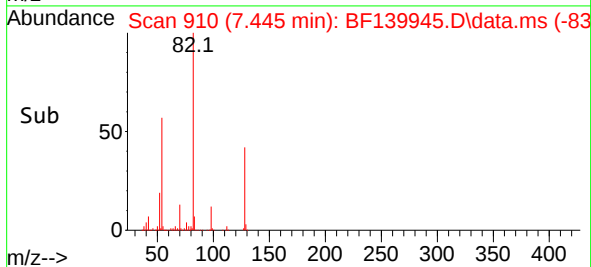
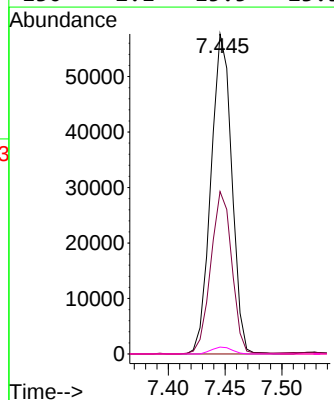
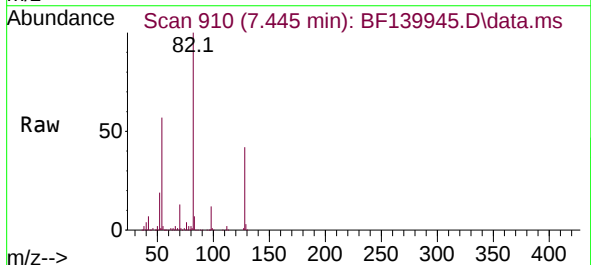
Instrument :
BNA_F
ClientSampleId :
SP-8

Tgt Ion: 99 Resp: 848986
Ion Ratio Lower Upper
99 100
42 19.5 16.7 25.1
71 34.4 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.316 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion: 70 Resp: 73542
Ion Ratio Lower Upper
70 100
42 50.7 51.5 77.3#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#



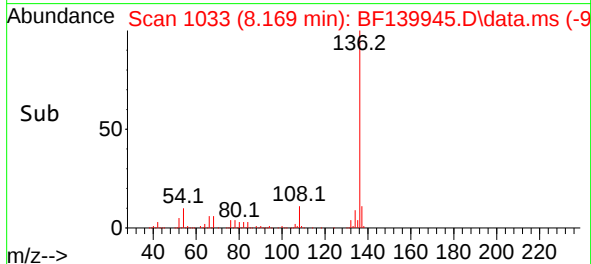
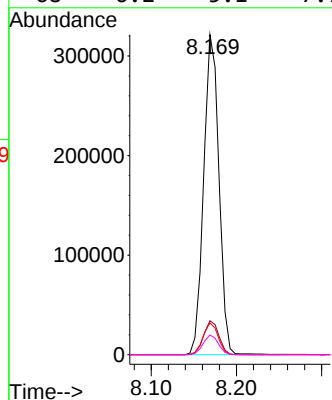
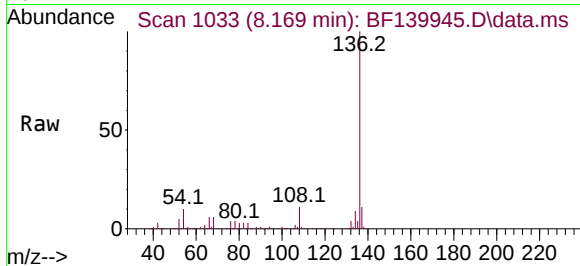


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Instrument :
BNA_F
ClientSampleId :
SP-8

Tgt Ion:136 Resp: 400056

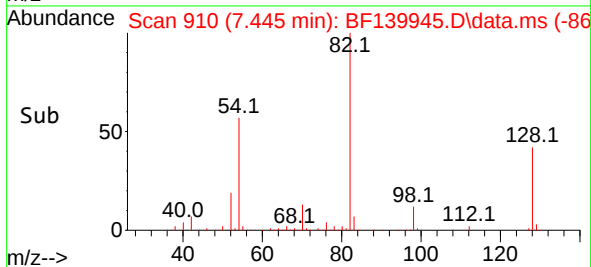
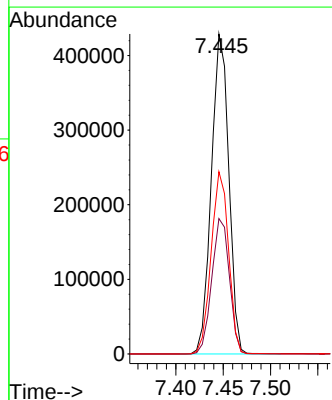
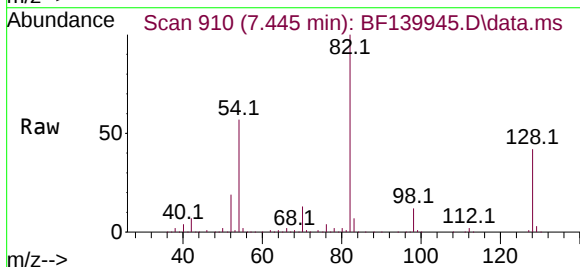
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	10.0	8.4	12.6
68	6.2	5.1	7.7



#23
Nitrobenzene-d5
Concen: 76.051 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion: 82 Resp: 548950

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.4	50.0
54	57.0	47.8	71.8

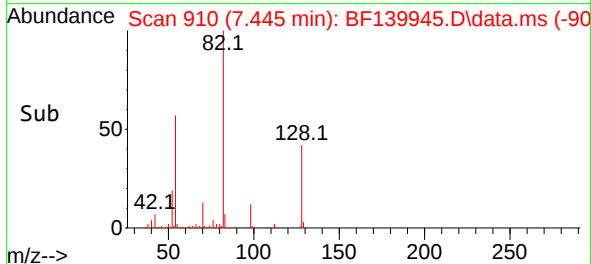
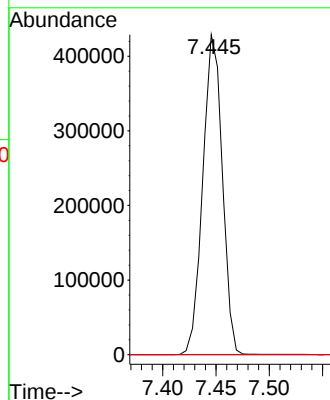
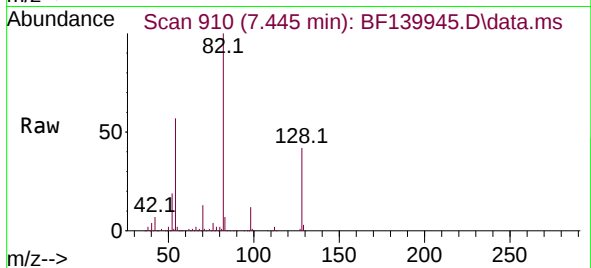




#25
Isophorone
Concen: 39.902 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.264 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

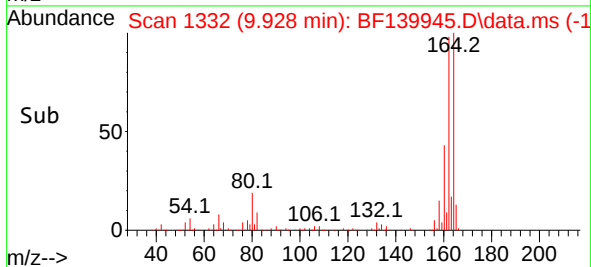
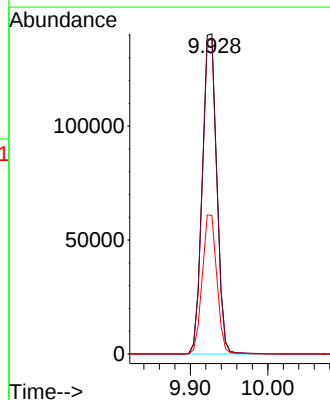
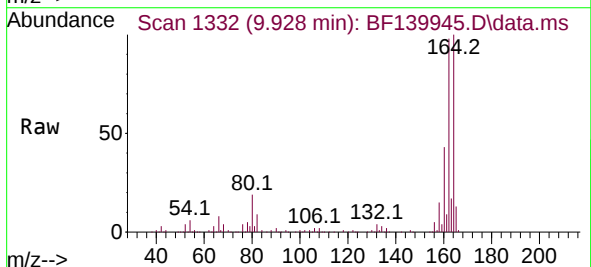
Instrument :
BNA_F
ClientSampleId :
SP-8

Tgt Ion: 82 Resp: 546653
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: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion:164 Resp: 182483
Ion Ratio Lower Upper
164 100
162 98.3 81.0 121.4
160 43.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 102.397 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139945.D

Acq: 22 Oct 2024 23:14

Instrument :

BNA_F

ClientSampleId :

SP-8

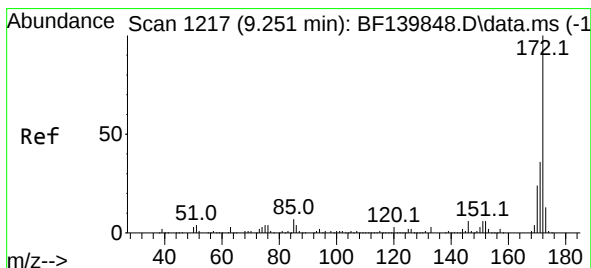
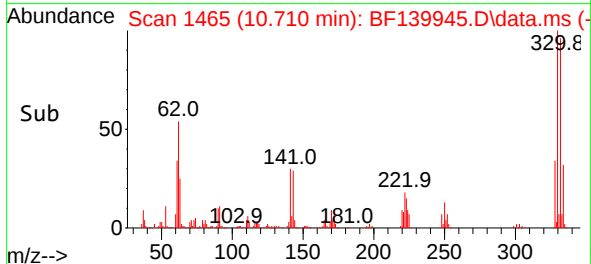
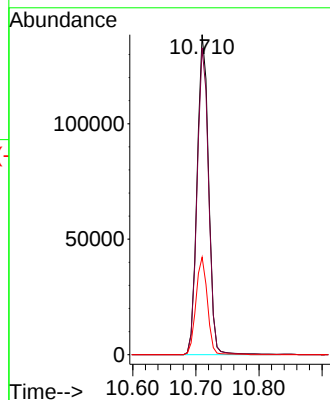
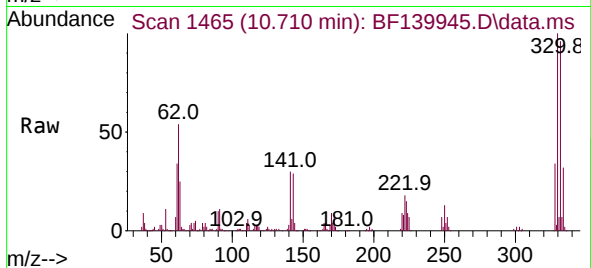
Tgt Ion:330 Resp: 174780

Ion Ratio Lower Upper

330 100

332 96.0 78.1 117.1

141 30.3 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 81.699 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139945.D

Acq: 22 Oct 2024 23:14

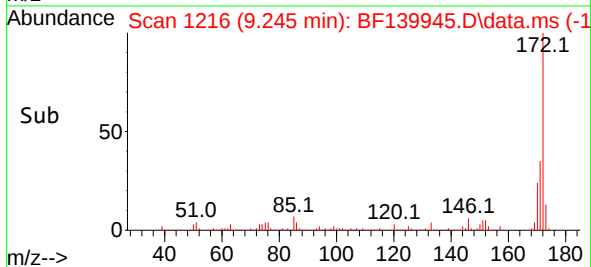
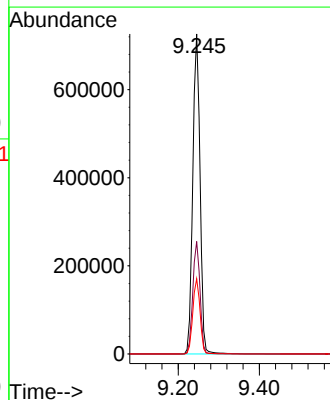
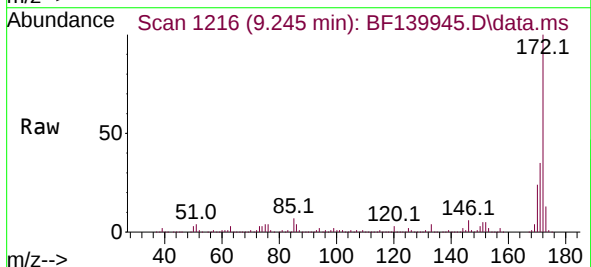
Tgt Ion:172 Resp: 902085

Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 23.5 19.1 28.7

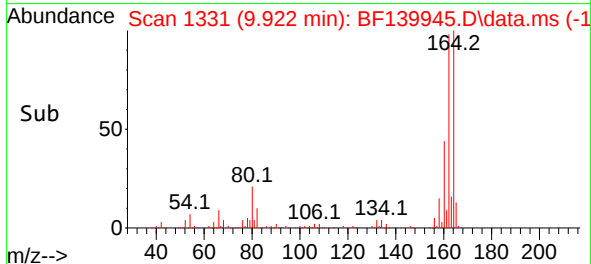
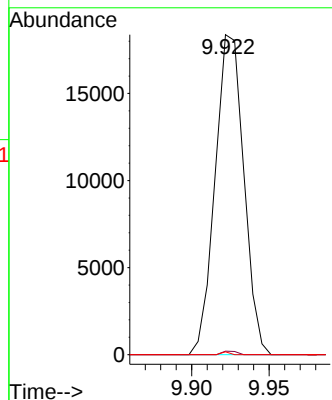
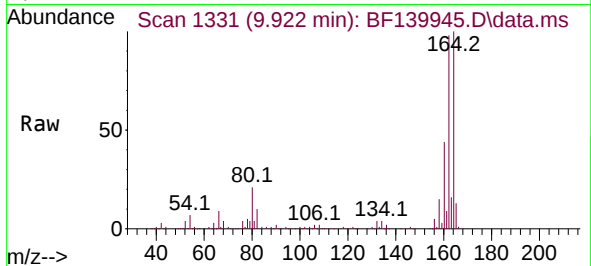




#51
2,6-Dinitrotoluene
Concen: 9.625 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

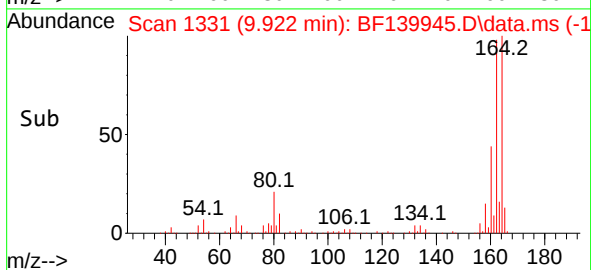
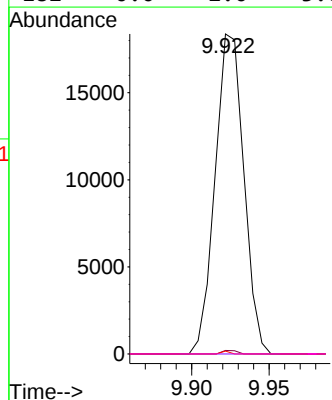
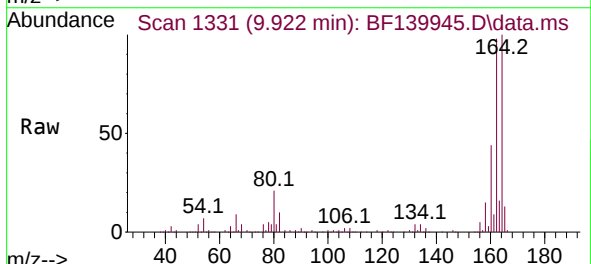
Instrument :
BNA_F
ClientSampleId :
SP-8

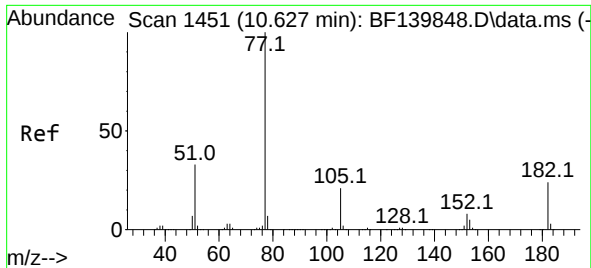
Tgt Ion:165 Resp: 23689
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 0.9 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.827 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion:165 Resp: 23689
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 0.9 60.4 90.6#
182 0.0 2.0 3.0#

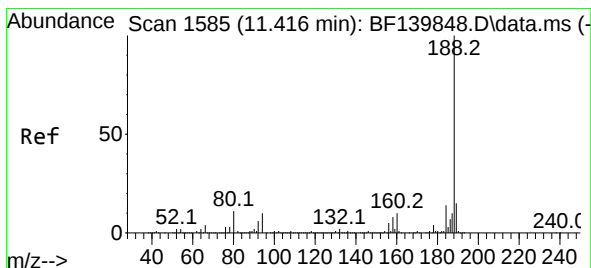
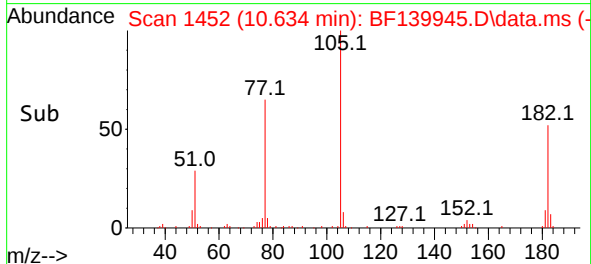
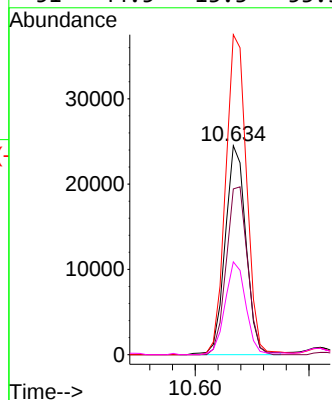
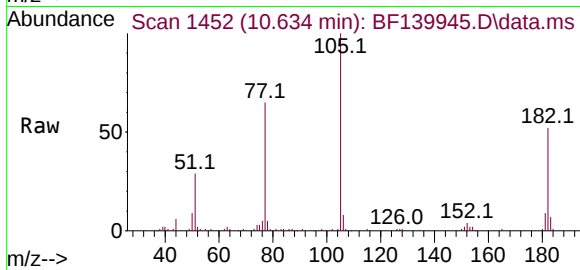




#63
Azobenzene
Concen: 2.632 ng
RT: 10.634 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

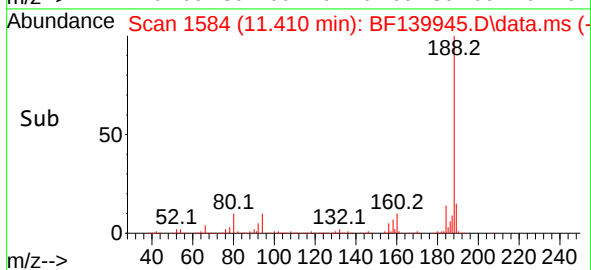
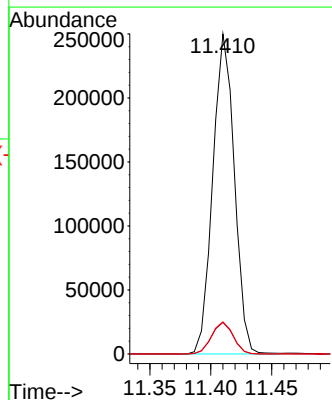
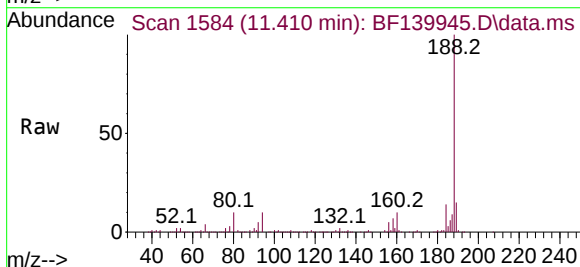
Instrument :
BNA_F
ClientSampleId :
SP-8

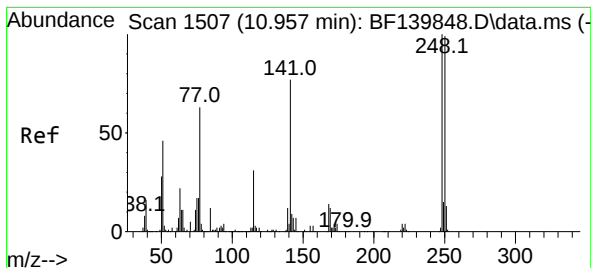
Tgt Ion: 77	Resp: 31144
Ion Ratio	Lower Upper
77 100	
182 79.4	3.3 43.3#
105 153.2	1.2 41.2#
51 44.5	13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion: 188	Resp: 307887
Ion Ratio	Lower Upper
188 100	
94 9.8	7.9 11.9
80 10.1	9.0 13.4

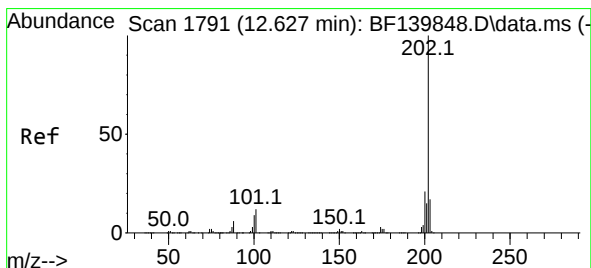
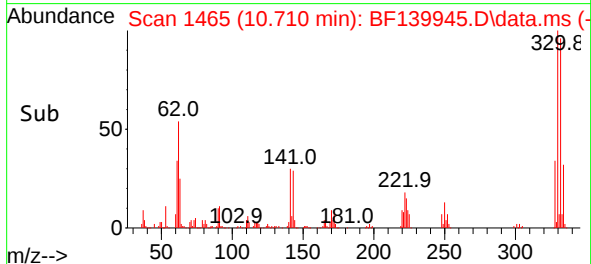
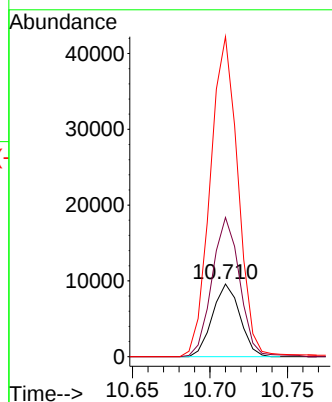
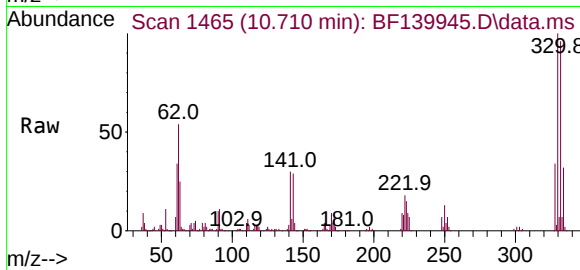




#67
4-Bromophenyl-phenylether
Concen: 3.730 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

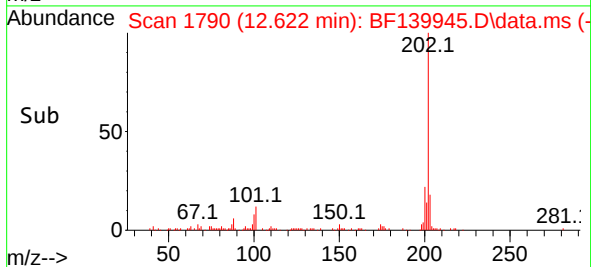
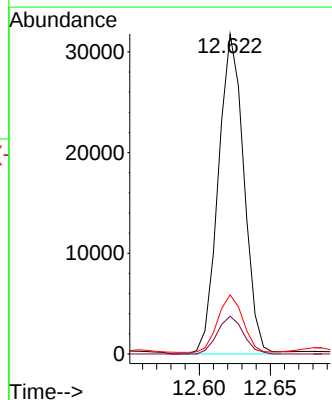
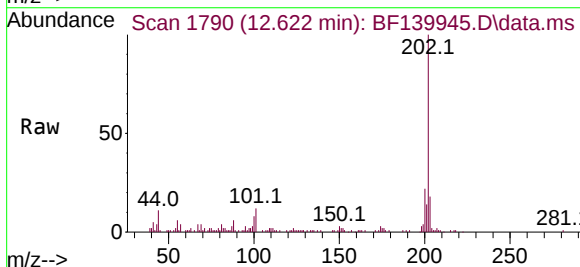
Instrument :
BNA_F
ClientSampleId :
SP-8

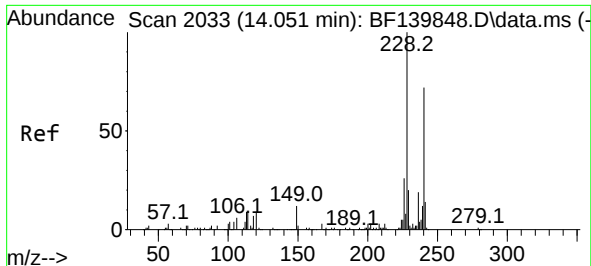
Tgt Ion:248 Resp: 11832
Ion Ratio Lower Upper
248 100
250 191.7 79.0 118.6#
141 440.6 61.7 92.5#



#75
Fluoranthene
Concen: 2.703 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion:202 Resp: 39733
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.9
203 18.4 0.0 37.5

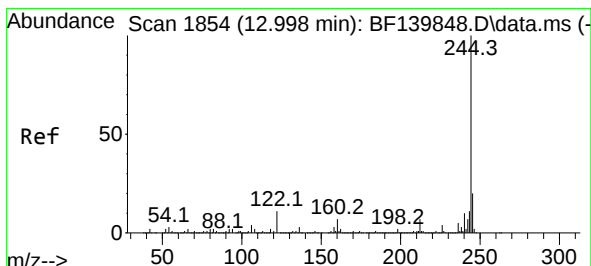
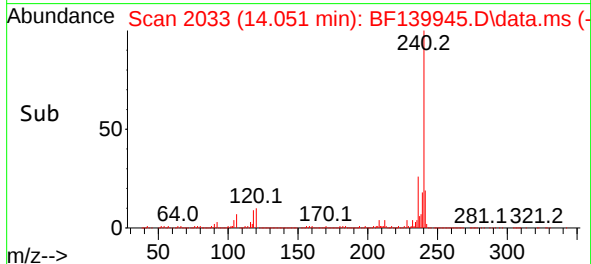
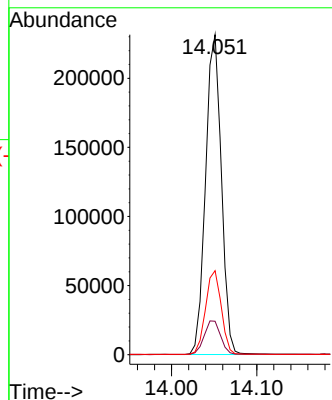
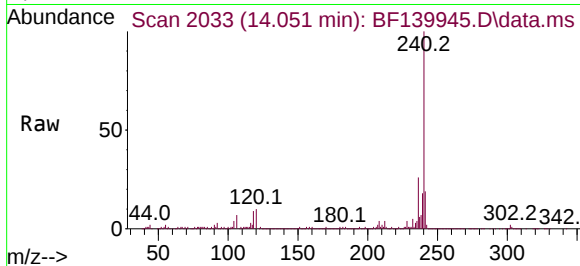




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

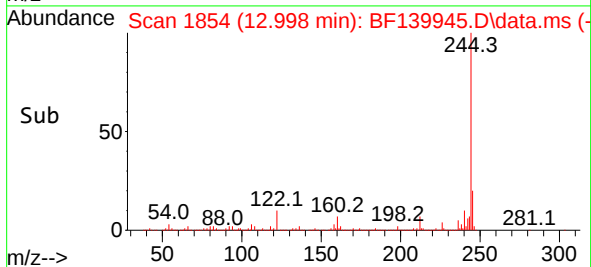
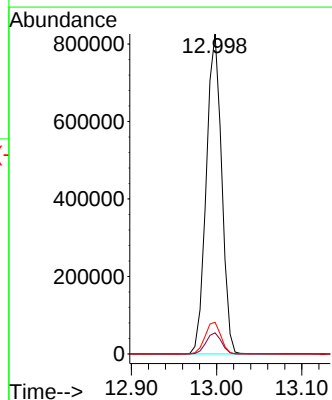
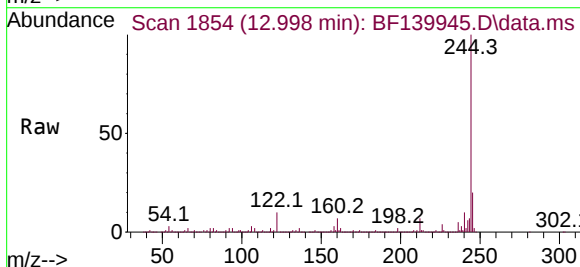
Instrument :
BNA_F
ClientSampleId :
SP-8

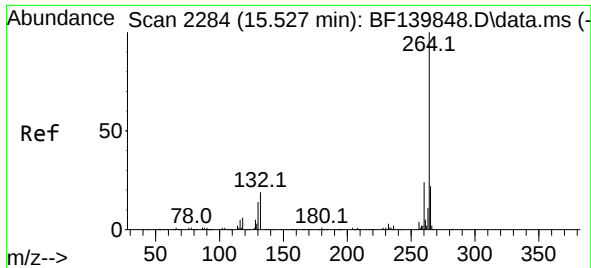
Tgt Ion:240 Resp: 297752
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 26.3 20.9 31.3



#79
Terphenyl-d14
Concen: 56.641 ng
RT: 12.998 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion:244 Resp: 1034993
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 9.9 8.6 13.0



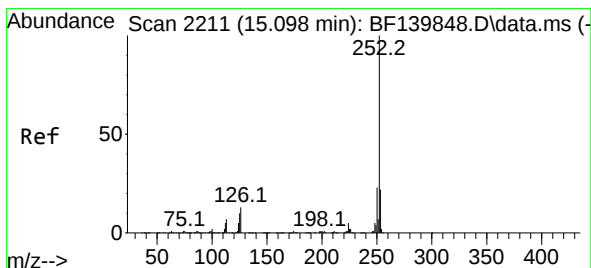
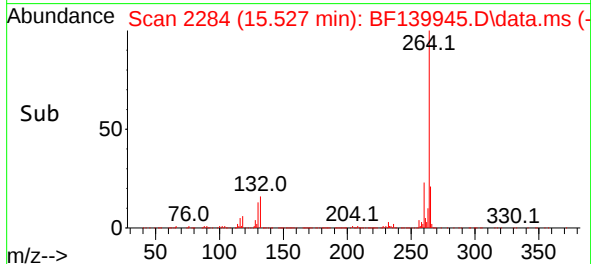
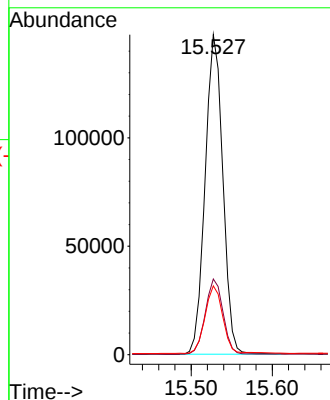
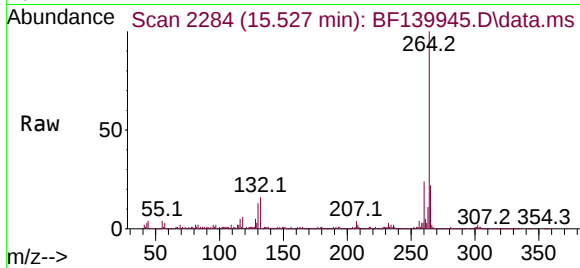


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Instrument :
BNA_F
ClientSampleId :
SP-8

Tgt Ion:264 Resp: 223198

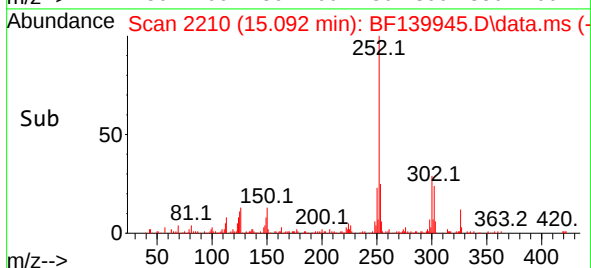
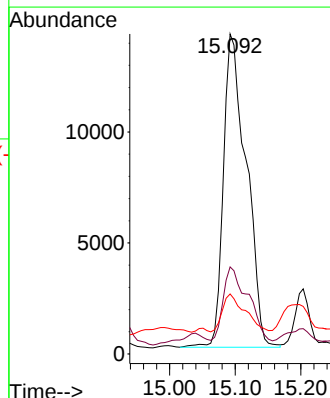
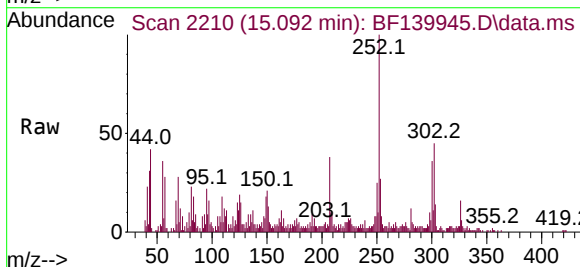
Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	21.5	17.4	26.0

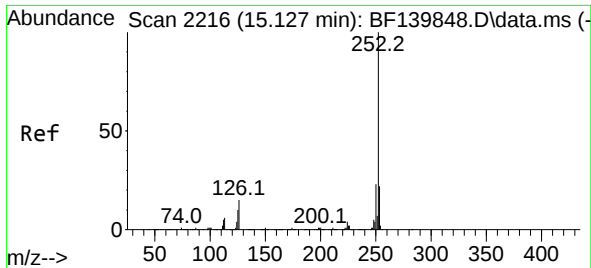


#88
Benzo(b)fluoranthene
Concen: 2.519 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139945.D
Acq: 22 Oct 2024 23:14

Tgt Ion:252 Resp: 34246

Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.6	26.4#
125	18.8	7.9	11.9#





#89

Benzo(k)fluoranthene

Concen: 2.921 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF139945.D

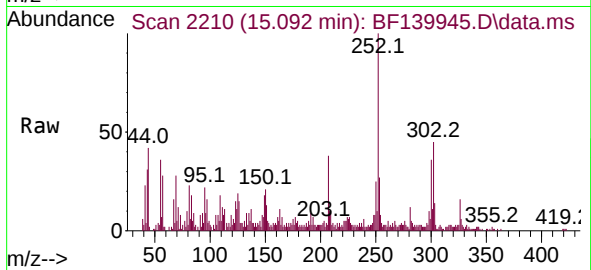
Acq: 22 Oct 2024 23:14

Instrument :

BNA_F

ClientSampleId :

SP-8



Tgt Ion:252 Resp: 34246

Ion Ratio Lower Upper

252 100

253 27.2 17.6 26.4#

125 18.8 7.9 11.9#

