

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139982.D
 Acq On : 23 Oct 2024 23:43
 Operator : RC/JU
 Sample : P4385-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-10

Quant Time: Oct 24 01:14:05 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)

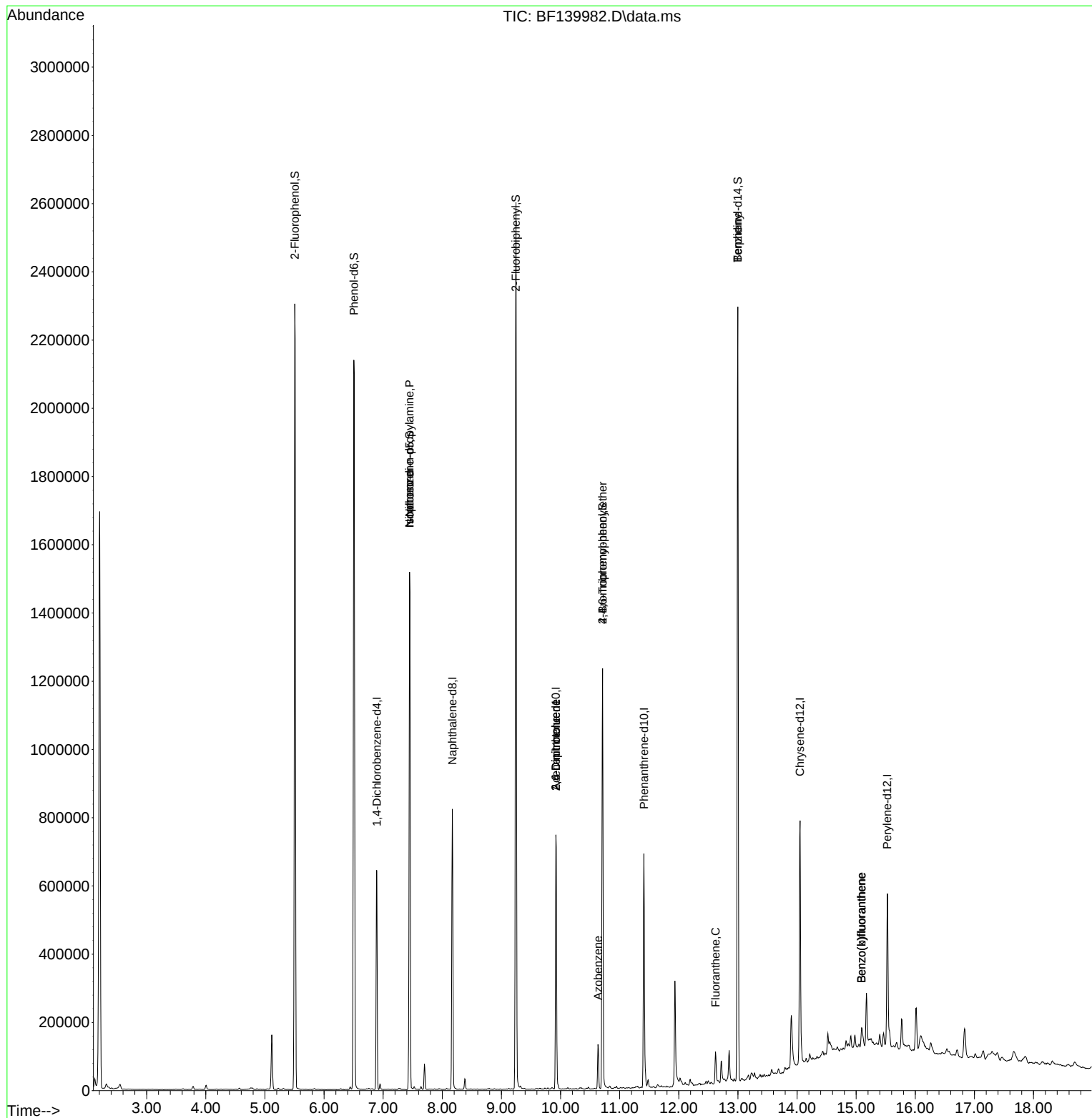
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	133316	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	485669	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	228899	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	357369	20.000	ng	0.00
76) Chrysene-d12	14.051	240	325119	20.000	ng	0.00
86) Perylene-d12	15.527	264	261481	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	874648	102.707	ng	0.00
7) Phenol-d6	6.504	99	1064928	96.553	ng	0.00
23) Nitrobenzene-d5	7.445	82	677418	77.306	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	209030	97.630	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1147684	82.865	ng	0.00
79) Terphenyl-d14	12.998	244	1134232	56.847	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	91268	13.644	ng	# 76
25) Isophorone	7.445	82	674614	40.561	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	29222	9.466	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	29222	7.698	ng	# 21
63) Azobenzene	10.634	77	32425	2.185	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	13386	3.636	ng	# 1
75) Fluoranthene	12.622	202	48151	2.822	ng	99
77) Benzidine	12.998	184	13365	2.500	ng	# 95
88) Benzo(b)fluoranthene	15.092	252	45836	2.878	ng	# 89
89) Benzo(k)fluoranthene	15.092	252	45836	3.337	ng	# 89

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

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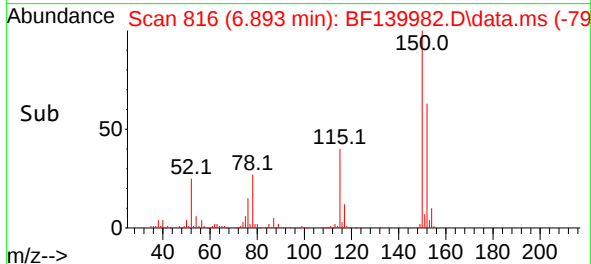
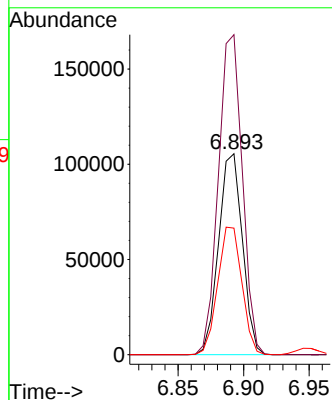
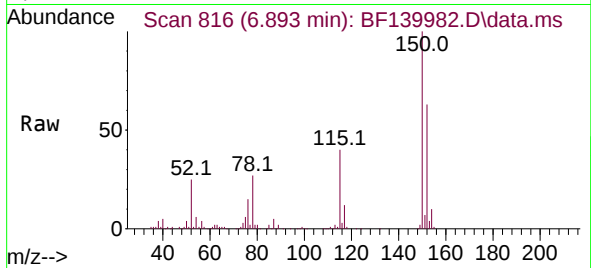




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

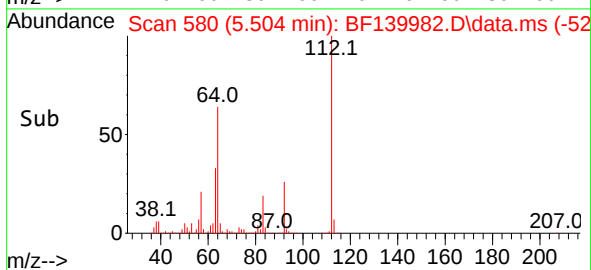
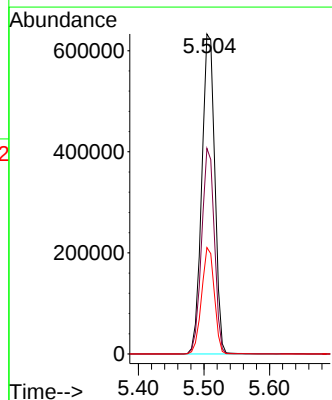
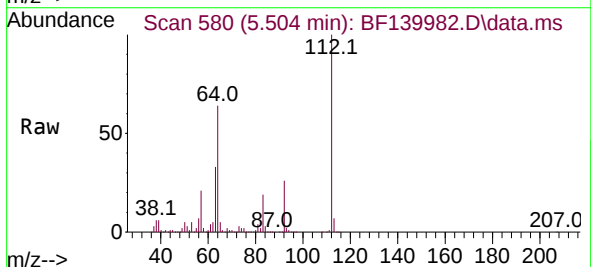
Instrument :
BNA_F
ClientSampleId :
SP-10

Tgt Ion:152 Resp: 133316
Ion Ratio Lower Upper
152 100
150 159.3 130.2 195.2
115 63.0 51.4 77.2



#5
2-Fluorophenol
Concen: 102.707 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion:112 Resp: 874648
Ion Ratio Lower Upper
112 100
64 64.2 53.0 79.6
63 33.2 27.0 40.4

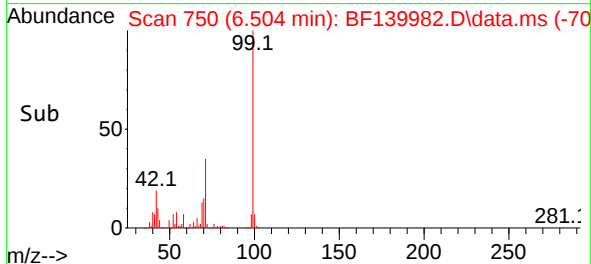
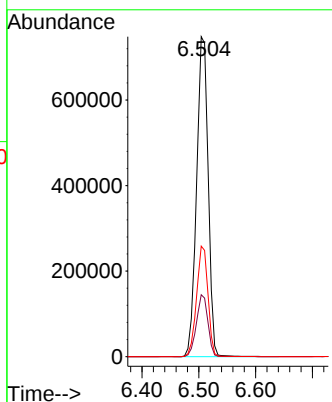
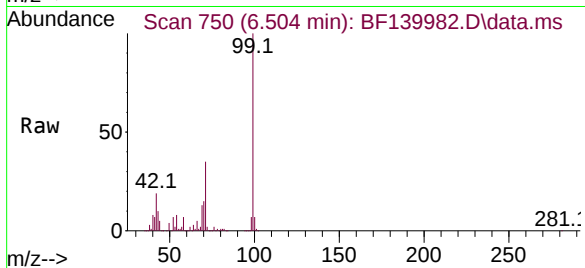




#7
Phenol-d6
Concen: 96.553 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

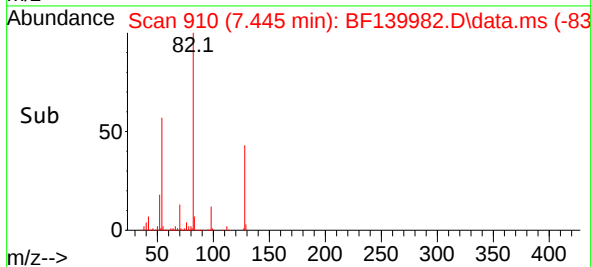
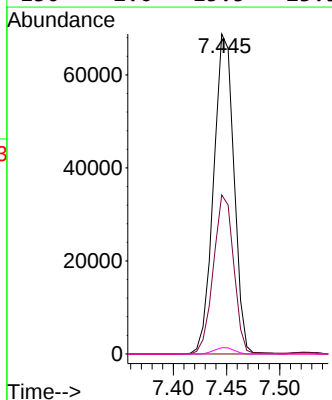
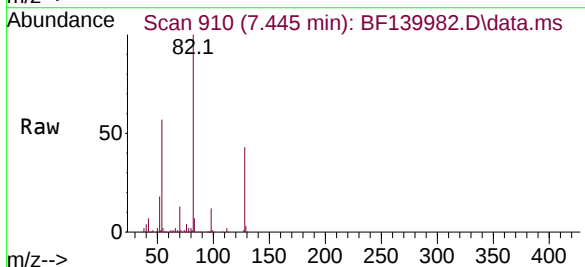
Instrument :
BNA_F
ClientSampleId :
SP-10

Tgt Ion: 99 Resp: 1064928
Ion Ratio Lower Upper
99 100
42 19.3 16.7 25.1
71 34.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.644 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion: 70 Resp: 91268
Ion Ratio Lower Upper
70 100
42 49.7 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#



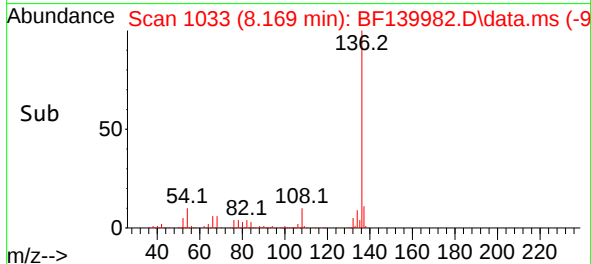
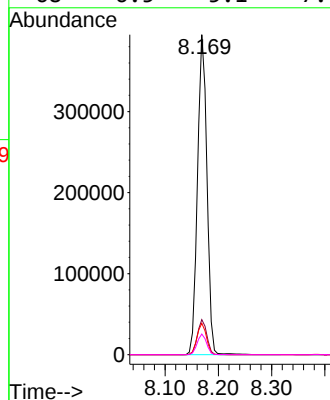
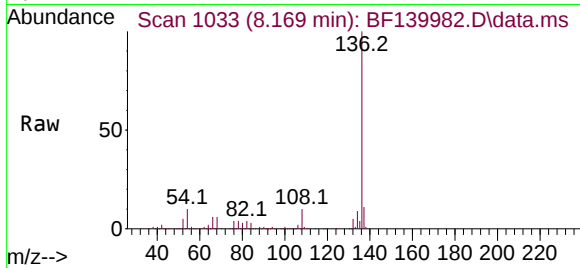


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Instrument :
BNA_F
ClientSampleId :
SP-10

Tgt Ion:136 Resp: 485669

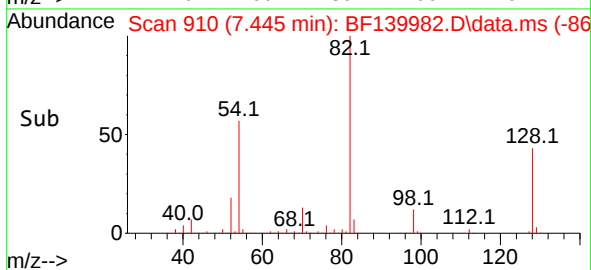
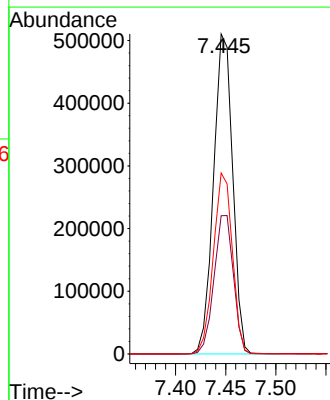
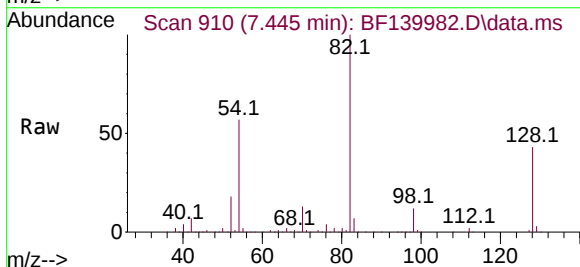
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.8	8.4	12.6
68	6.5	5.1	7.7



#23
Nitrobenzene-d5
Concen: 77.306 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion: 82 Resp: 677418

Ion	Ratio	Lower	Upper
82	100		
128	43.2	33.4	50.0
54	56.6	47.8	71.8

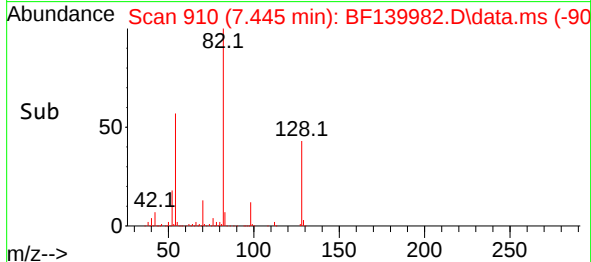
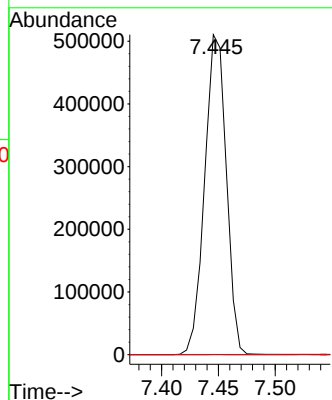
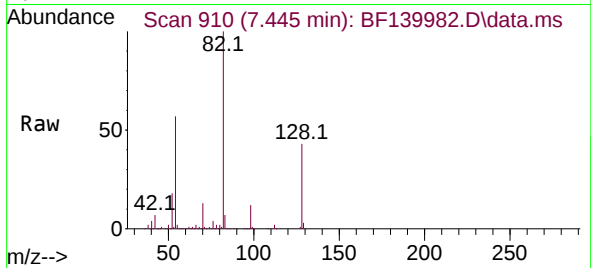




#25
Isophorone
Concen: 40.561 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.264 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

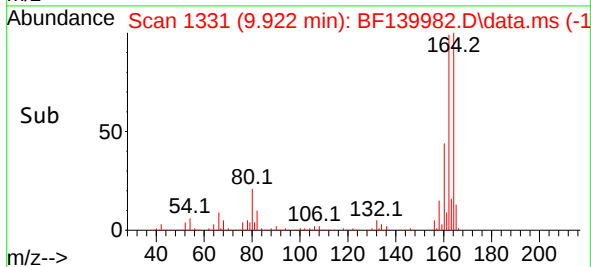
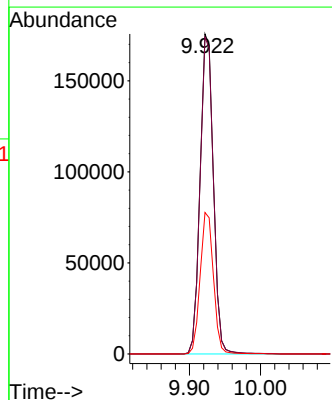
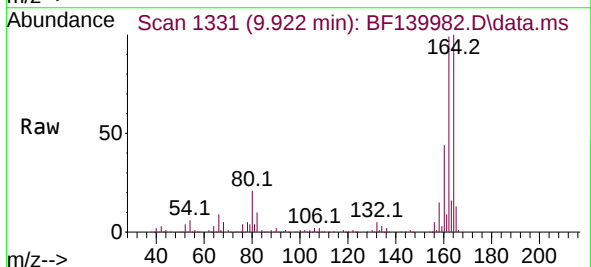
Instrument :
BNA_F
ClientSampleId :
SP-10

Tgt Ion: 82 Resp: 674614
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: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion:164 Resp: 228899
Ion Ratio Lower Upper
164 100
162 98.9 81.0 121.4
160 44.2 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 97.630 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-10

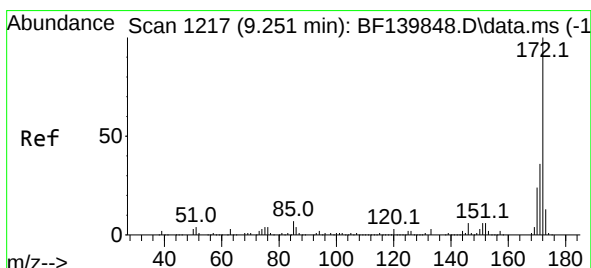
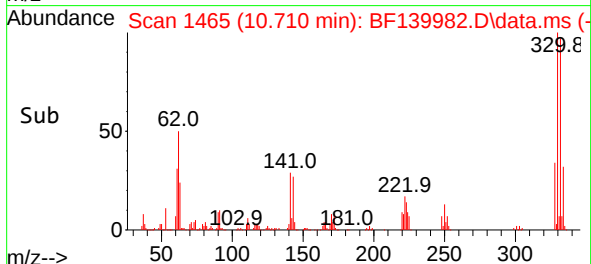
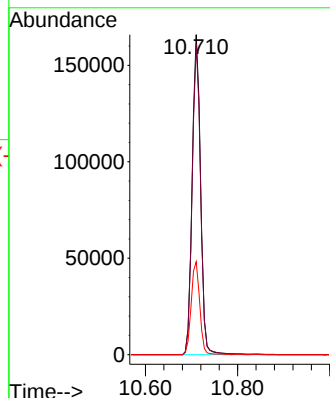
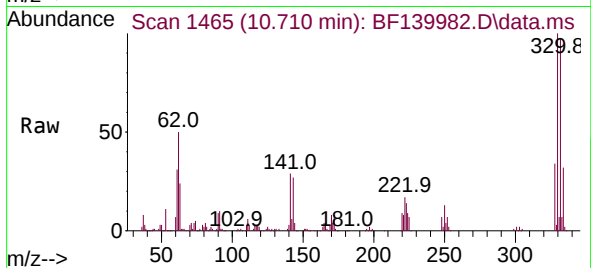
Tgt Ion:330 Resp: 209030

Ion Ratio Lower Upper

330 100

332 97.0 78.1 117.1

141 29.6 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 82.865 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

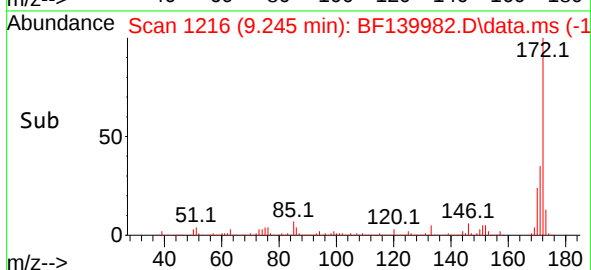
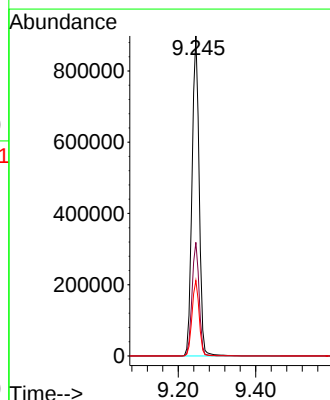
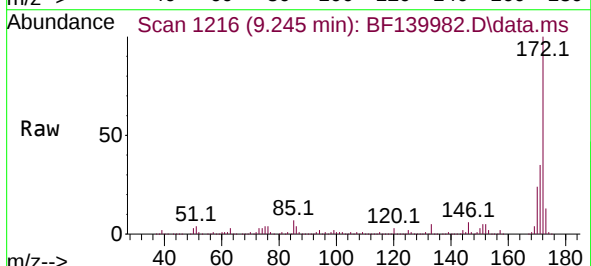
Tgt Ion:172 Resp: 1147684

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.6 19.1 28.7

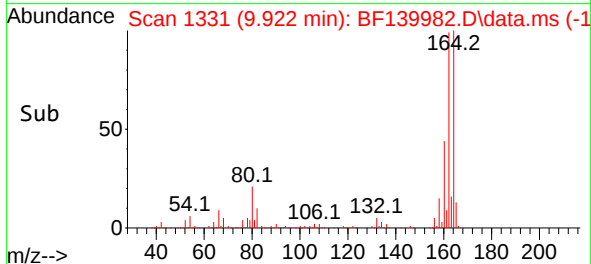
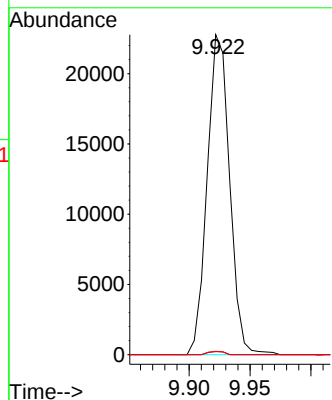
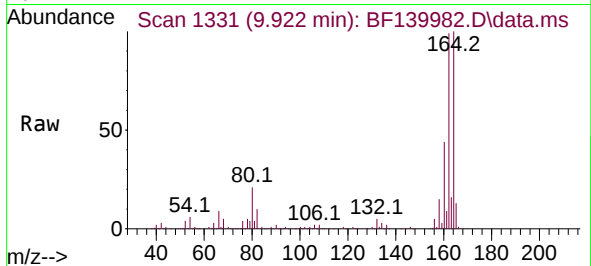




#51
2,6-Dinitrotoluene
Concen: 9.466 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

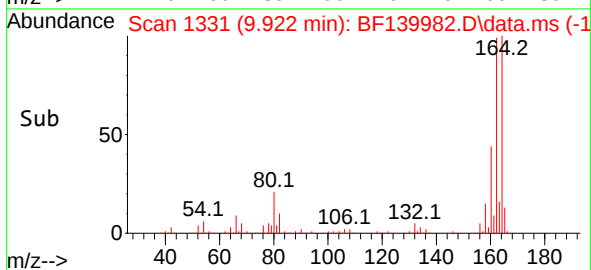
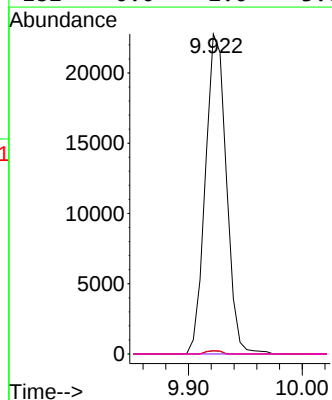
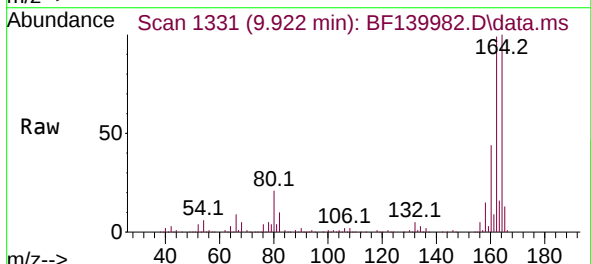
Instrument :
BNA_F
ClientSampleId :
SP-10

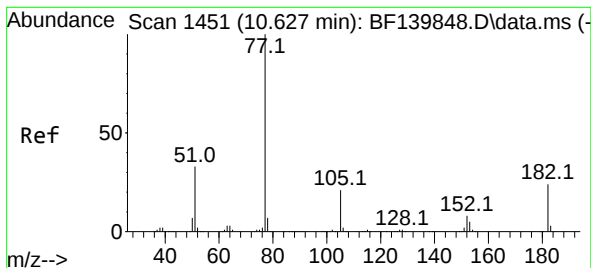
Tgt Ion:165 Resp: 29222
Ion Ratio Lower Upper
165 100
63 1.0 50.6 75.8#
89 1.0 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.698 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion:165 Resp: 29222
Ion Ratio Lower Upper
165 100
63 1.0 40.1 60.1#
89 1.0 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.185 ng

RT: 10.634 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-10

Tgt Ion: 77 Resp: 32425

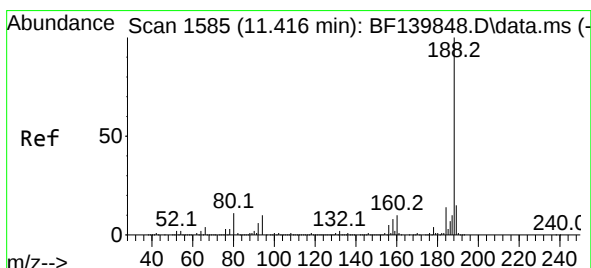
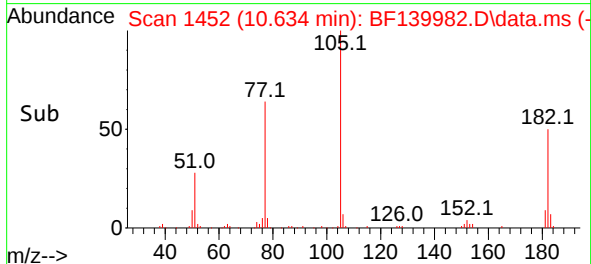
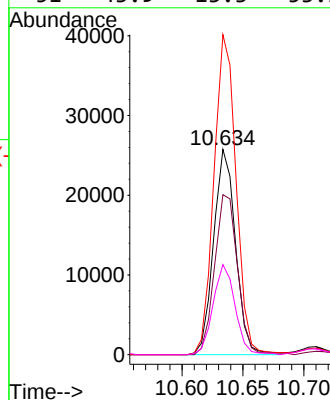
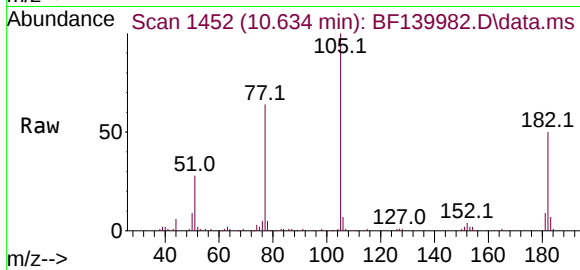
Ion Ratio Lower Upper

77 100

182 77.9 3.3 43.3#

105 155.9 1.2 41.2#

51 43.9 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: BF139982.D

Acq: 23 Oct 2024 23:43

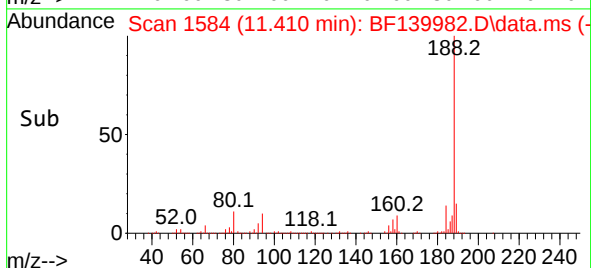
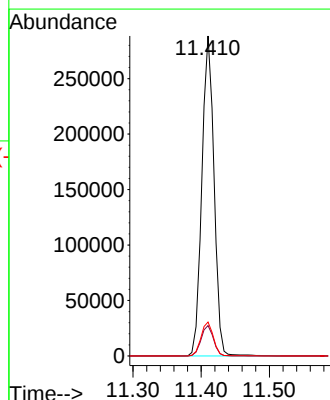
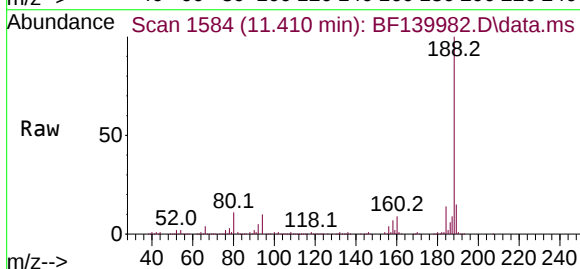
Tgt Ion: 188 Resp: 357369

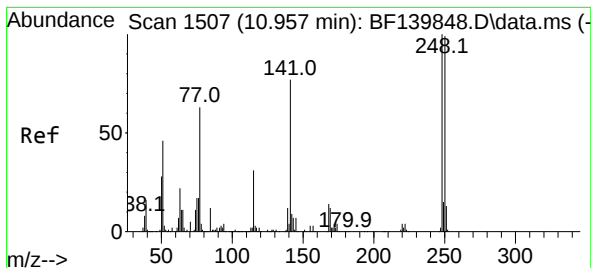
Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

80 10.6 9.0 13.4

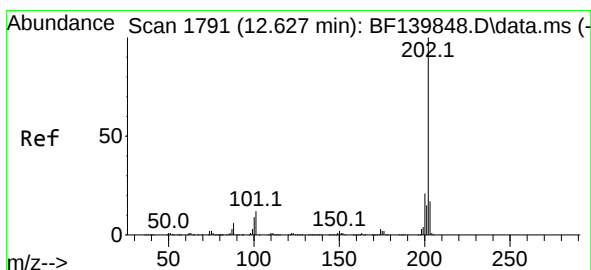
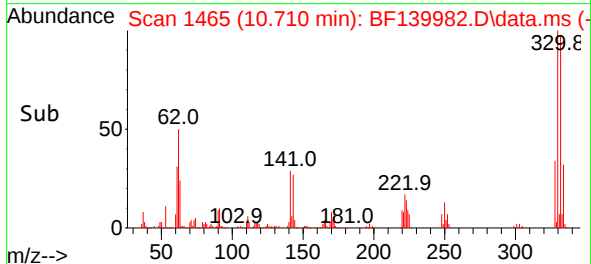
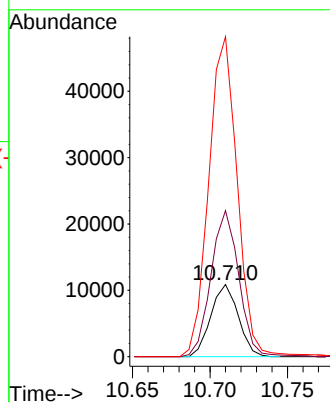
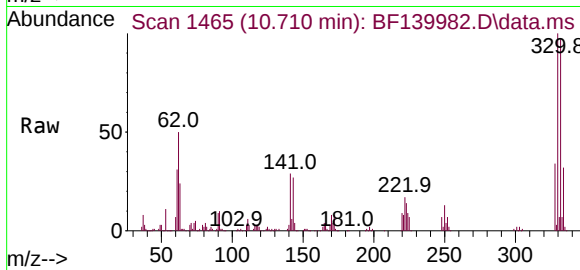




#67
4-Bromophenyl-phenylether
Concen: 3.636 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

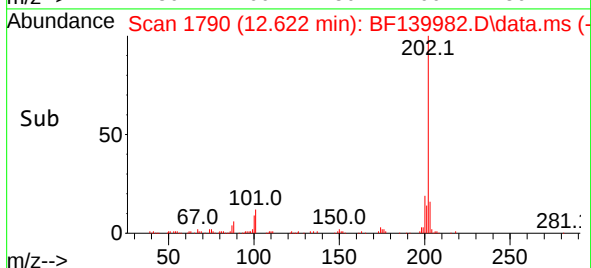
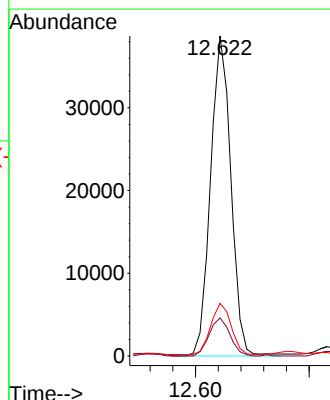
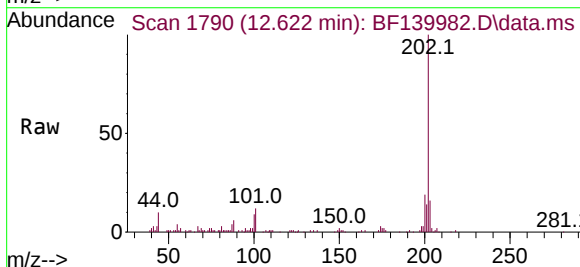
Instrument :
BNA_F
ClientSampleId :
SP-10

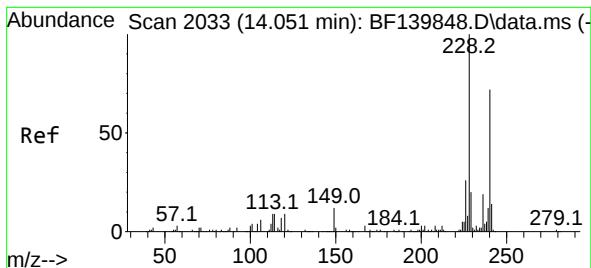
Tgt Ion:248 Resp: 13386
Ion Ratio Lower Upper
248 100
250 202.6 79.0 118.6#
141 443.7 61.7 92.5#



#75
Fluoranthene
Concen: 2.822 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion:202 Resp: 48151
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.9
203 16.4 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: BF139982.D

Acq: 23 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-10

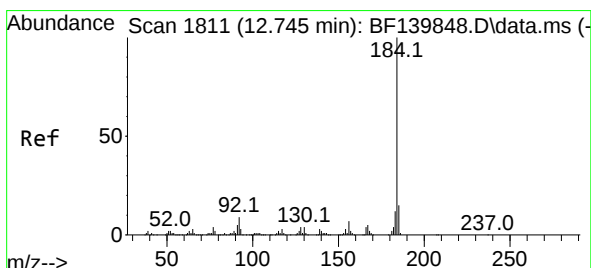
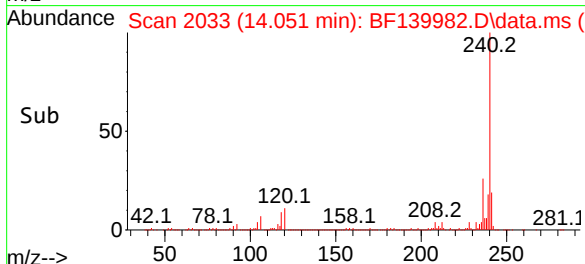
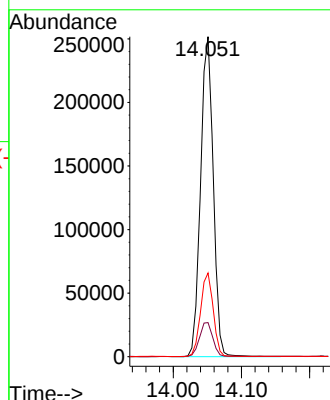
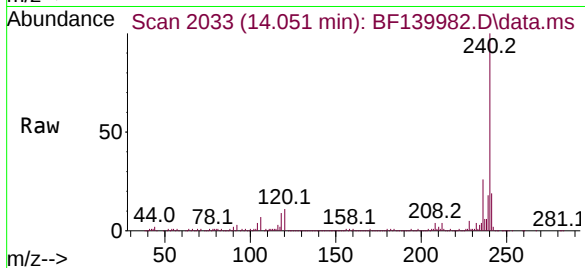
Tgt Ion:240 Resp: 325119

Ion Ratio Lower Upper

240 100

120 10.7 9.4 14.2

236 26.2 20.9 31.3



#77

Benzidine

Concen: 2.500 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

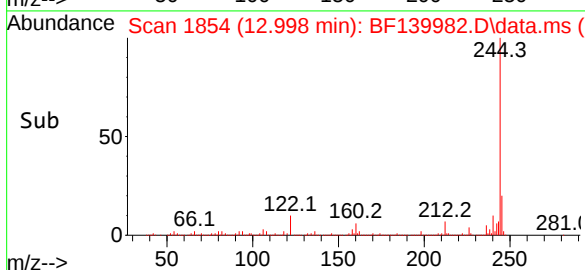
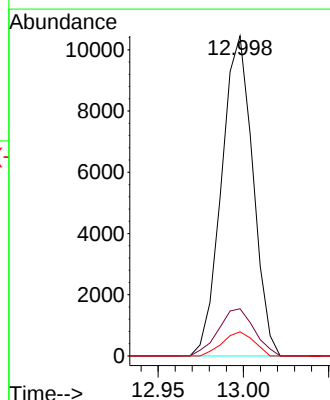
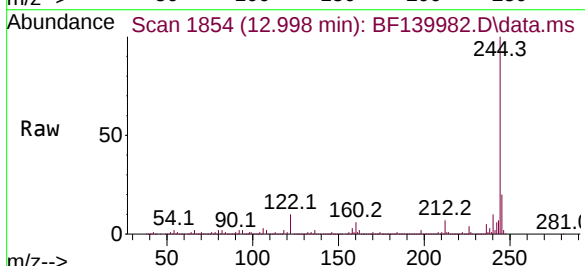
Tgt Ion:184 Resp: 13365

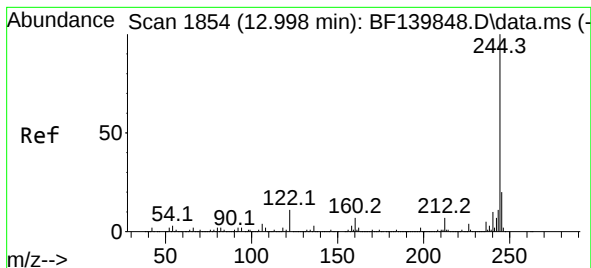
Ion Ratio Lower Upper

184 100

185 14.8 12.0 18.0

183 7.6 9.4 14.2#





#79

Terphenyl-d14

Concen: 56.847 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-10

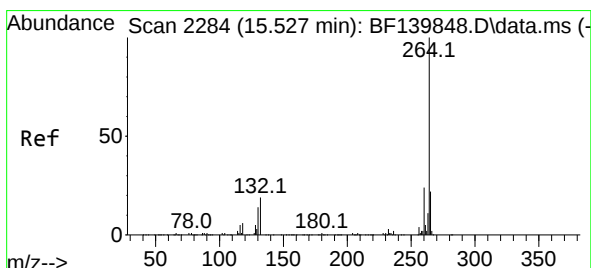
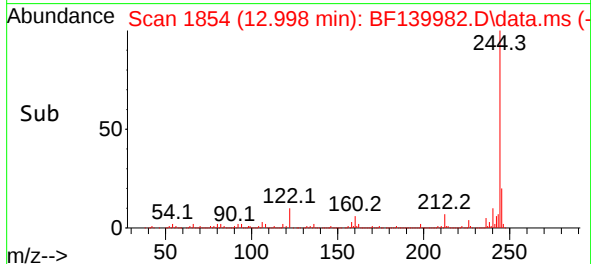
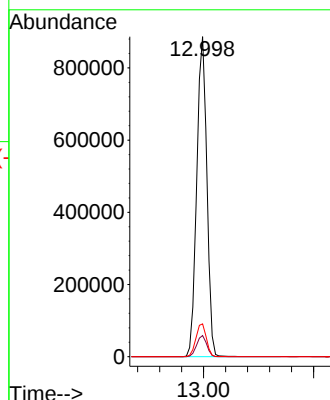
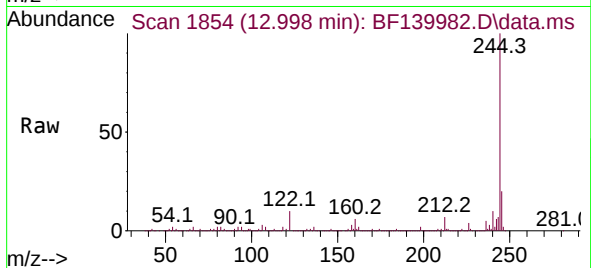
Tgt Ion:244 Resp: 1134232

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 10.3 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: BF139982.D

Acq: 23 Oct 2024 23:43

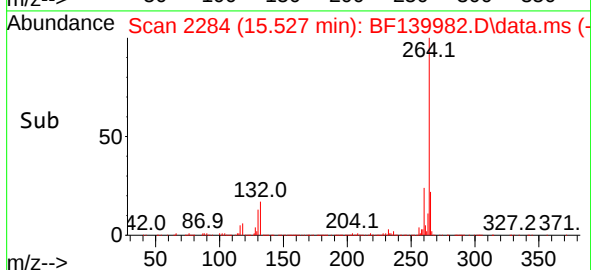
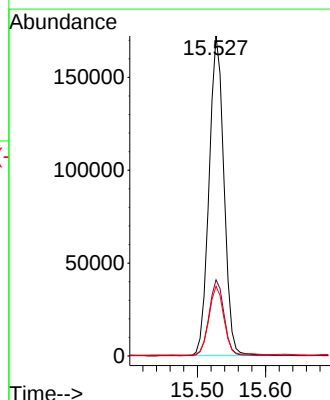
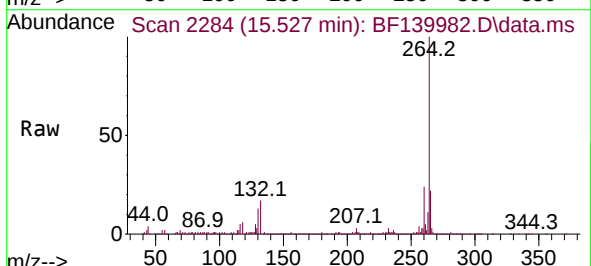
Tgt Ion:264 Resp: 261481

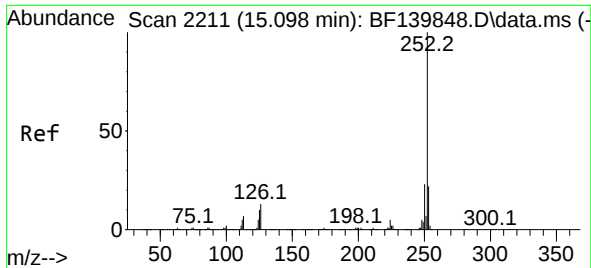
Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.8 17.4 26.0

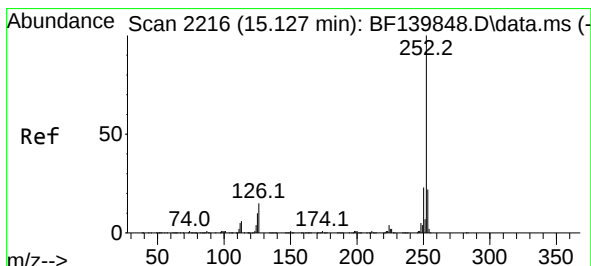
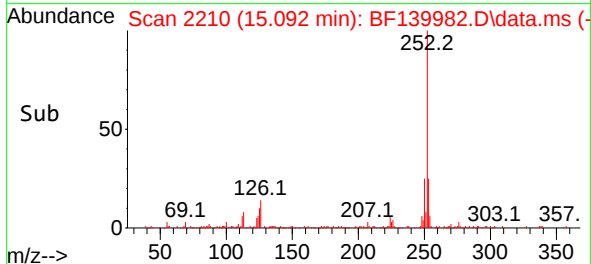
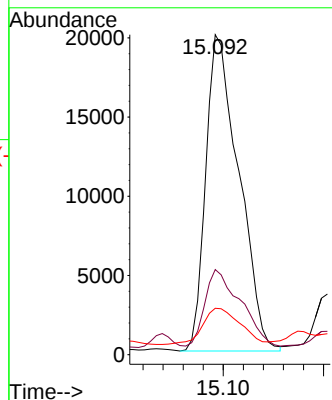
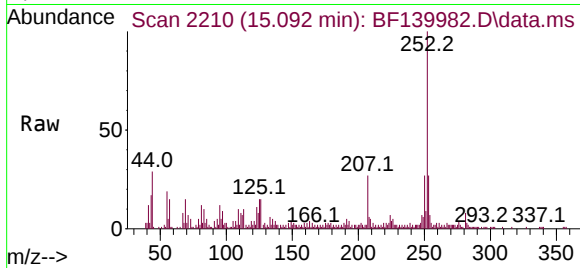




#88
Benzo(b)fluoranthene
Concen: 2.878 ng
RT: 15.092 min Scan# 2110
Delta R.T. -0.006 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Instrument :
BNA_F
ClientSampleId :
SP-10

Tgt Ion:252 Resp: 45836
Ion Ratio Lower Upper
252 100
253 26.6 17.6 26.4#
125 14.5 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 3.337 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.035 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

Tgt Ion:252 Resp: 45836
Ion Ratio Lower Upper
252 100
253 26.6 17.6 26.4#
125 14.5 7.9 11.9#

