

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)

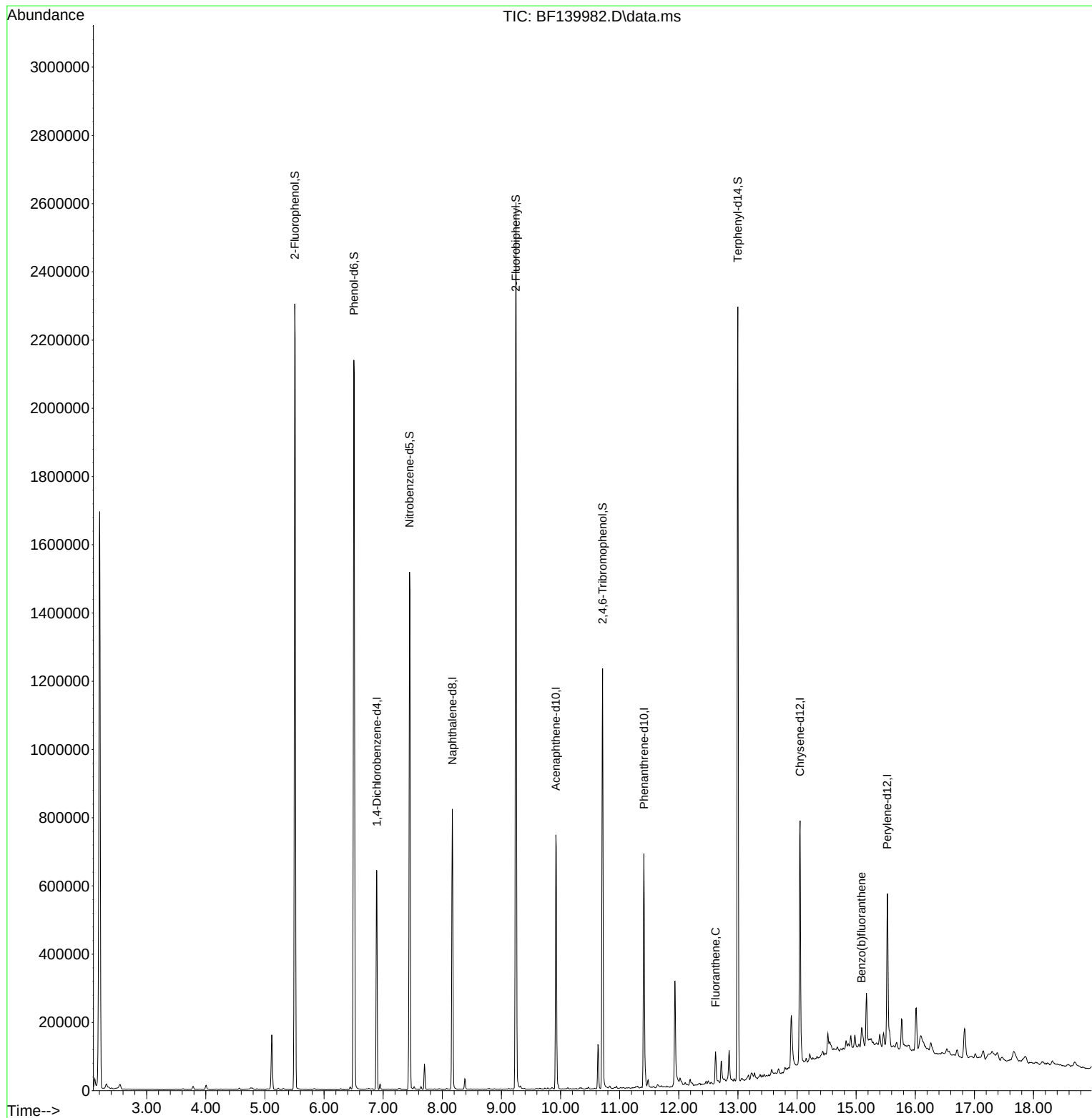
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	133316	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	485669	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	228899	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	357369	20.000	ng	0.00
76) Chrysene-d12	14.051	240	325119	20.000	ng	0.00
86) Perylene-d12	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						
75) Fluoranthene	12.622	202	48151	2.822	ng	Qvalue 99
88) Benzo(b)fluoranthene	15.092	252	34278m	2.152	ng	

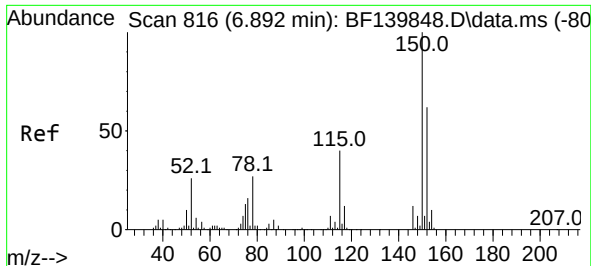
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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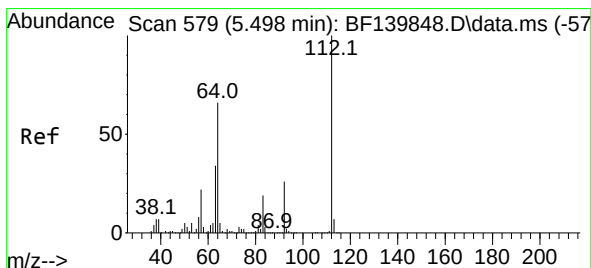
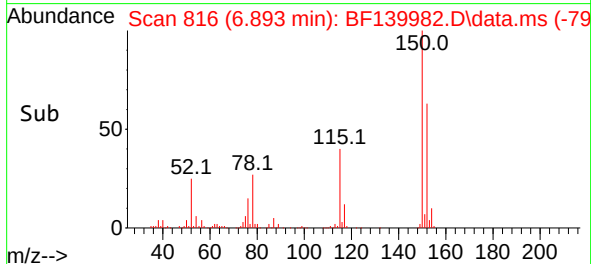
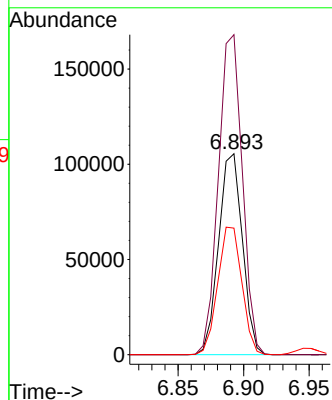
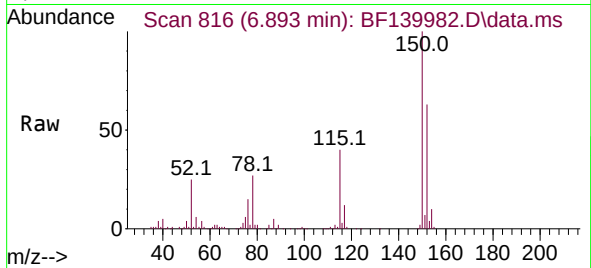




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139982.D
Acq: 23 Oct 2024 23:43

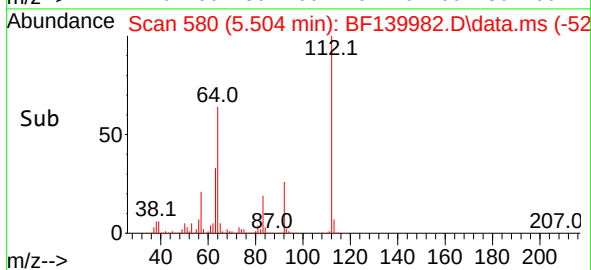
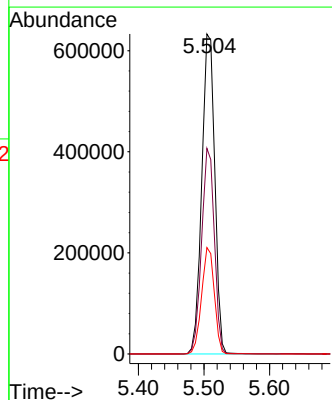
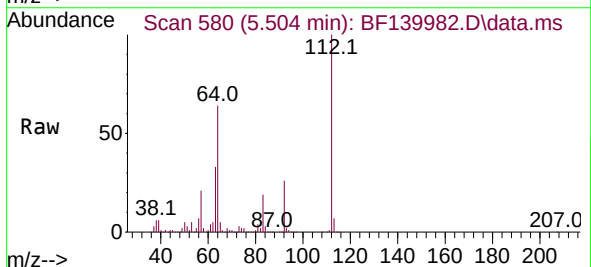
Instrument :
BNA_F
ClientSampleId :
SP-10

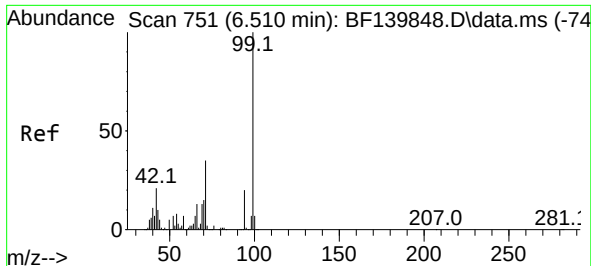
Tgt Ion:152 Resp: 133316
Ion Ratio Lower Upper
152 100
150 159.3 130.2 195.2
115 63.0 51.4 77.2



#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

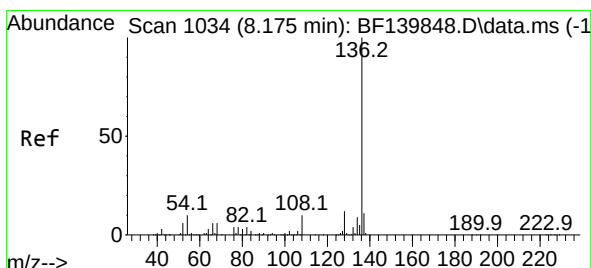
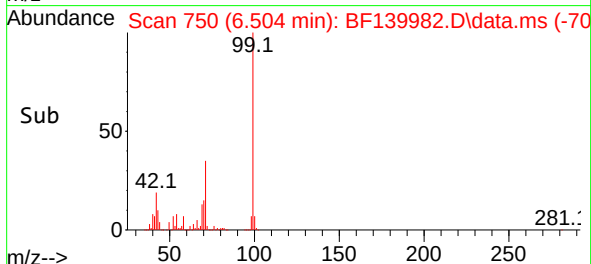
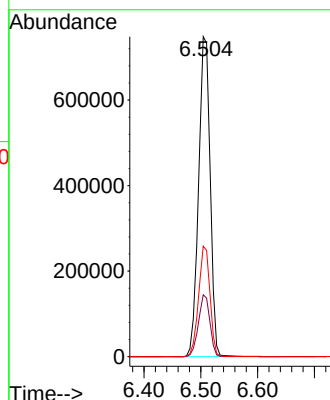
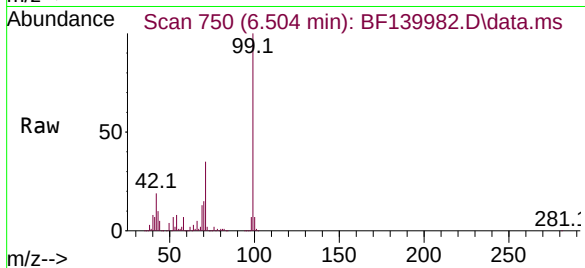
Tgt Ion: 99 Resp: 1064928

Ion Ratio Lower Upper

99 100

42 19.3 16.7 25.1

71 34.6 27.7 41.5



#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

Tgt Ion: 136 Resp: 485669

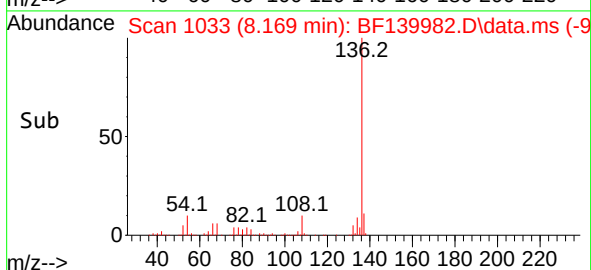
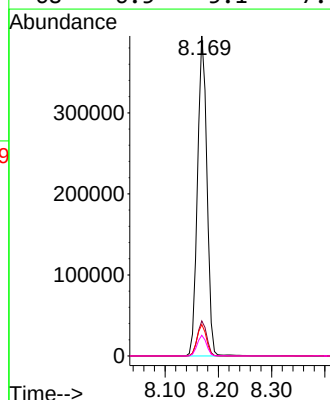
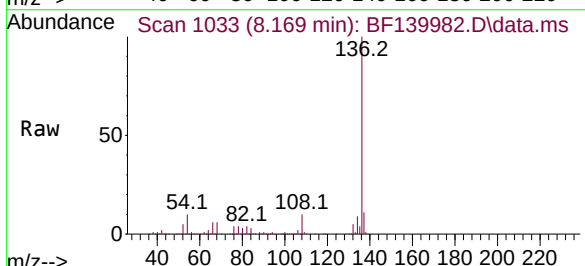
Ion Ratio Lower Upper

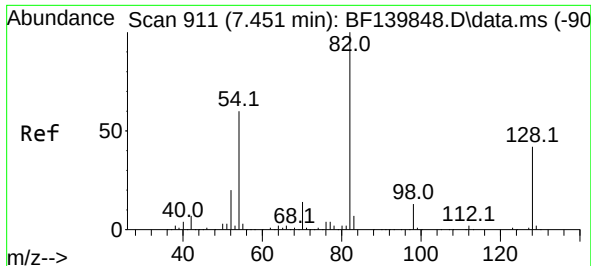
136 100

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# 911

Delta R.T. -0.006 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-10

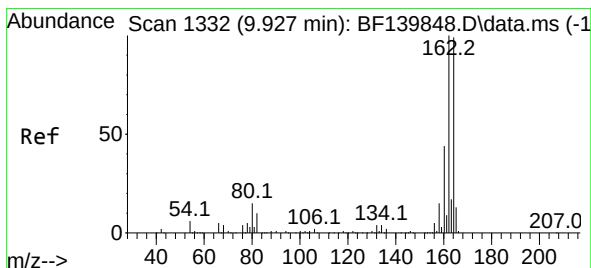
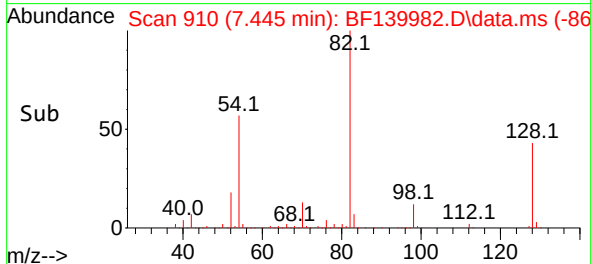
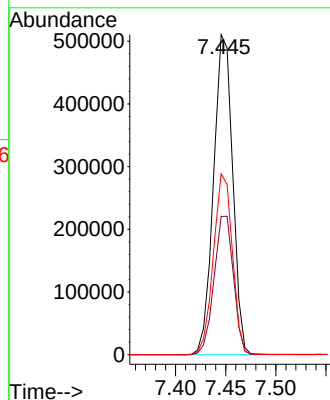
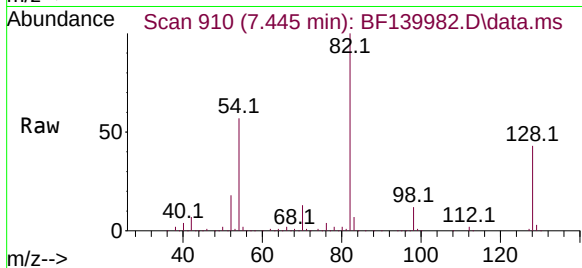
Tgt Ion: 82 Resp: 677418

Ion Ratio Lower Upper

82 100

128 43.2 33.4 50.0

54 56.6 47.8 71.8



#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

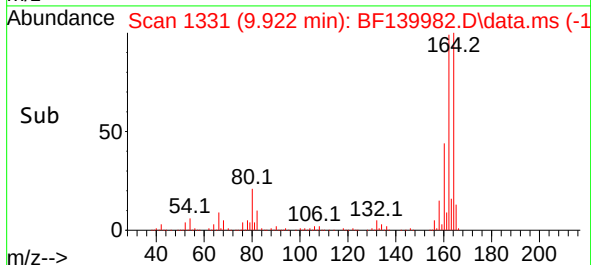
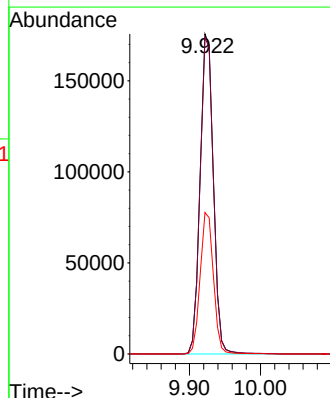
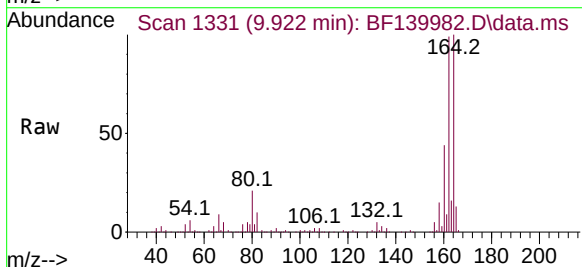
Tgt Ion:164 Resp: 228899

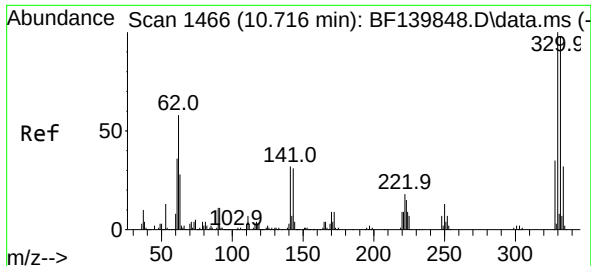
Ion Ratio Lower Upper

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

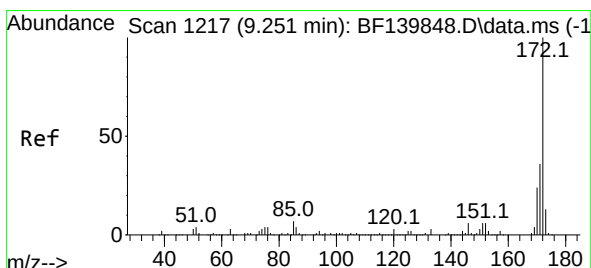
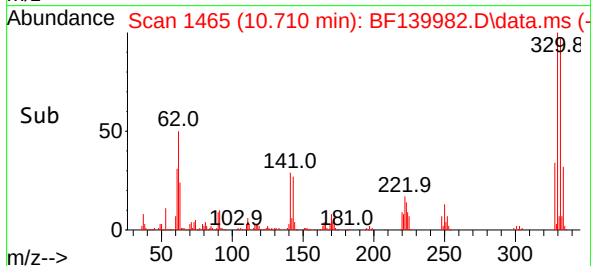
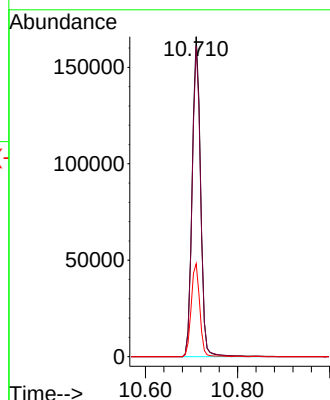
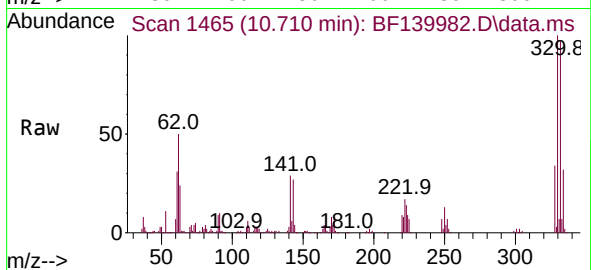
Tgt Ion:330 Resp: 209030

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

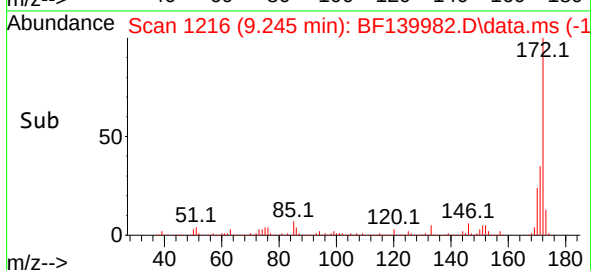
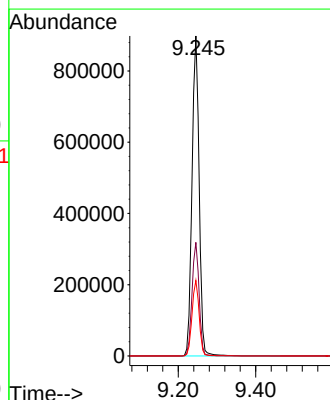
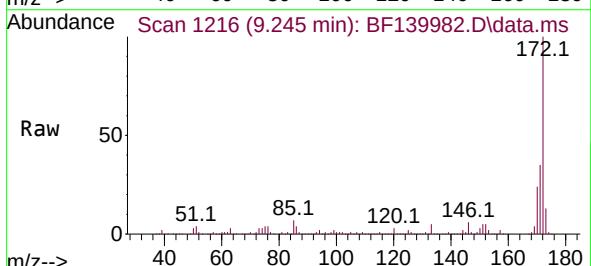
Tgt Ion:172 Resp: 1147684

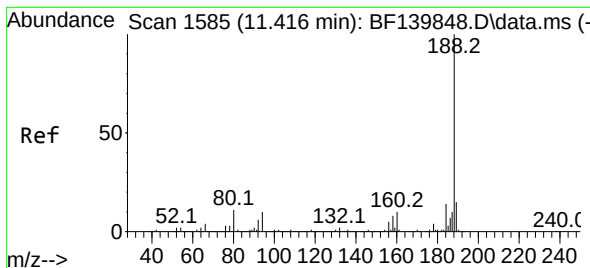
Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.6 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-10

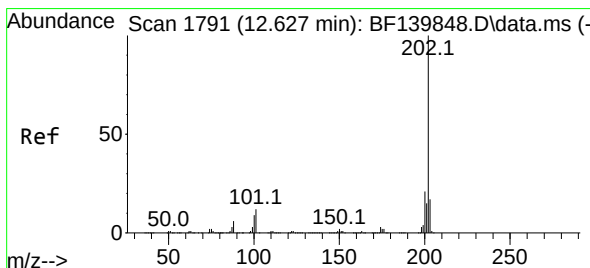
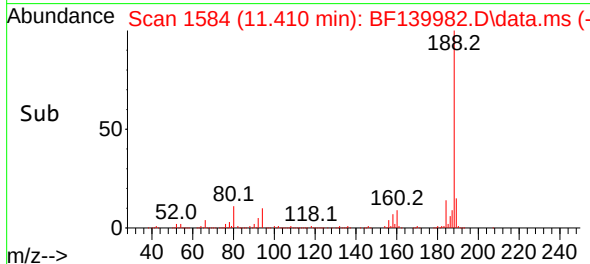
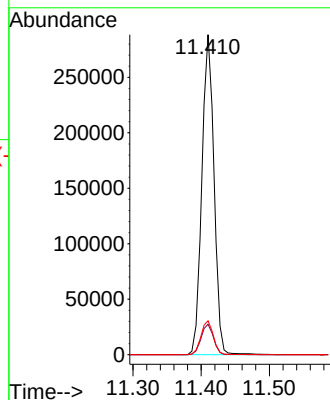
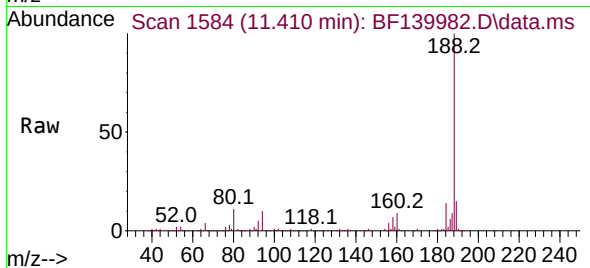
Tgt Ion:188 Resp: 357369

Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

80 10.6 9.0 13.4



#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

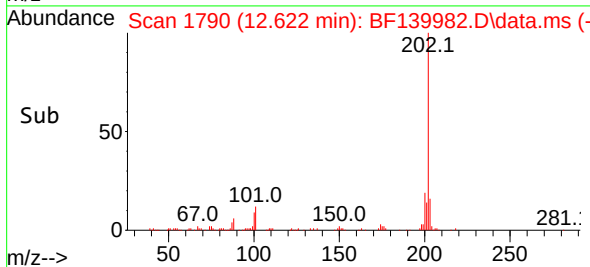
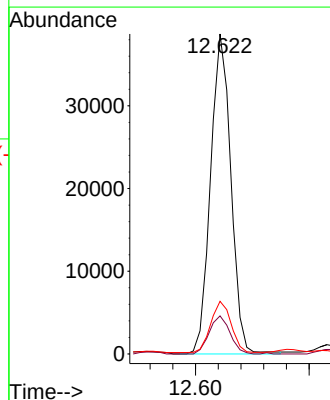
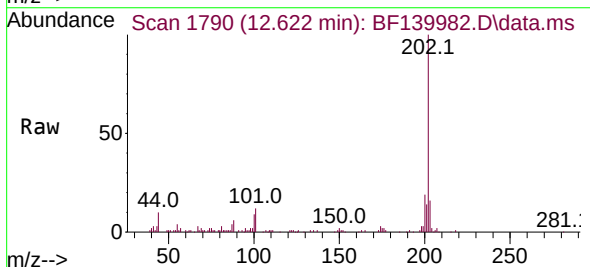
Tgt Ion:202 Resp: 48151

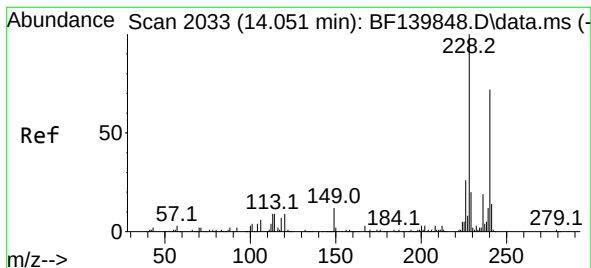
Ion Ratio Lower Upper

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

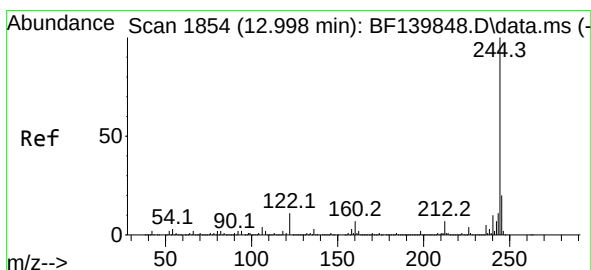
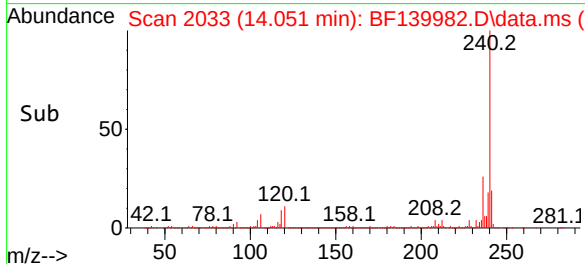
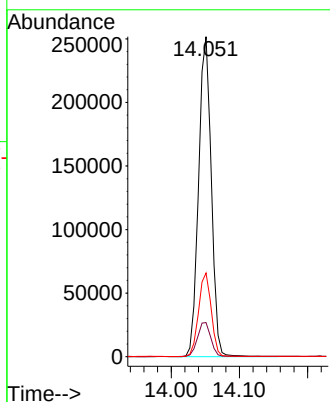
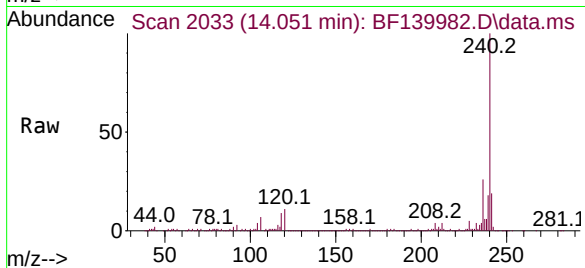
Tgt Ion:240 Resp: 325119

Ion Ratio Lower Upper

240 100

120 10.7 9.4 14.2

236 26.2 20.9 31.3



#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

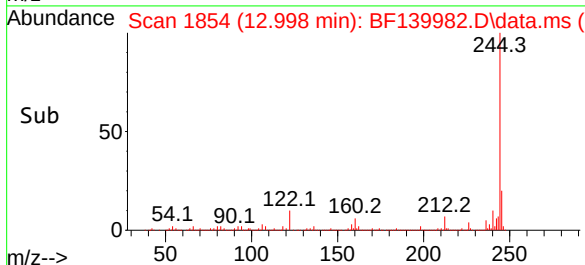
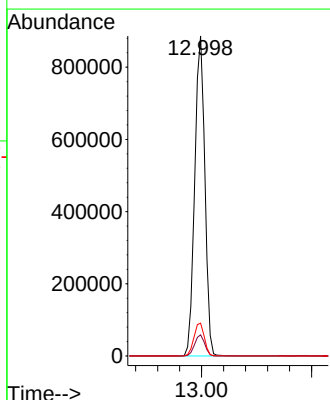
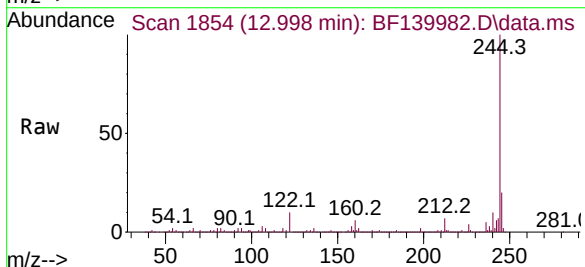
Tgt Ion:244 Resp: 1134232

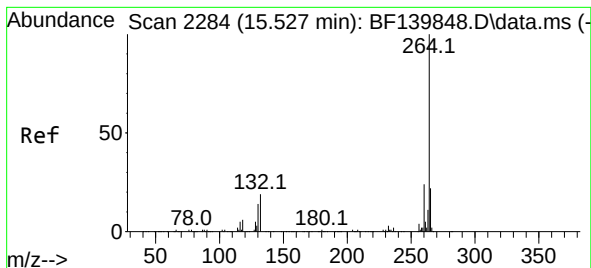
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.000 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

Instrument :

BNA_F

ClientSampleId :

SP-10

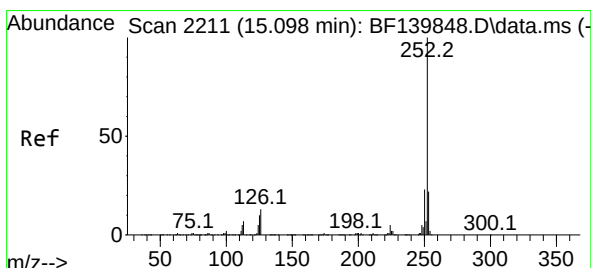
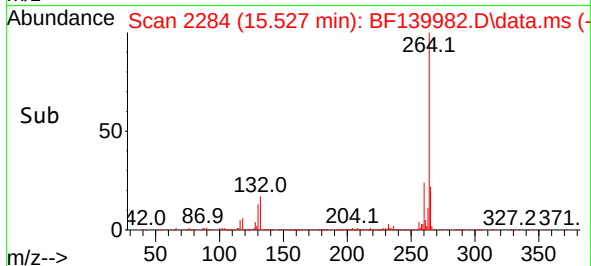
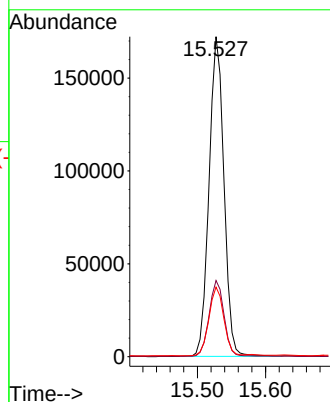
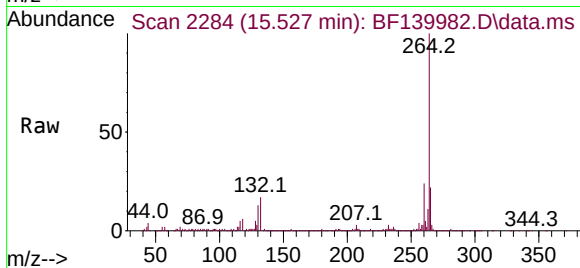
Tgt Ion:264 Resp: 261481

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: 2.152 ng m

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139982.D

Acq: 23 Oct 2024 23:43

Tgt Ion:252 Resp: 34278

Ion Ratio Lower Upper

252 100

253 26.6 17.6 26.4#

125 14.5 7.9 11.9#

