

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139983.D
 Acq On : 24 Oct 2024 00:11
 Operator : RC/JU
 Sample : P4385-14
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

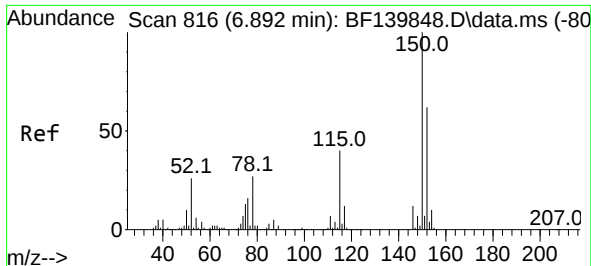
Instrument :
 BNA_F
 ClientSampleId :
 SP-7

Quant Time: Oct 24 01:14:17 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	123541	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	443226	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	204877	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	329287	20.000	ng	0.00
76) Chrysene-d12	14.051	240	309239	20.000	ng	0.00
86) Perylene-d12	15.527	264	243467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	672806	85.257	ng	0.00
7) Phenol-d6	6.504	99	817192	79.954	ng	0.00
23) Nitrobenzene-d5	7.445	82	507754	63.493	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	157566	82.222	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	875016	70.586	ng	0.00
79) Terphenyl-d14	12.998	244	909509	47.925	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	67658	10.915	ng	# 76
25) Isophorone	7.445	82	505345	33.294	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	26078	9.438	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	26079	7.675	ng	# 21
63) Azobenzene	10.634	77	26991	2.032	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10445	3.079	ng	# 1
75) Fluoranthene	12.622	202	39498	2.512	ng	98
77) Benzidine	12.992	184	11244	2.211	ng	# 90
88) Benzo(b)fluoranthene	15.092	252	36674	2.473	ng	# 92
89) Benzo(k)fluoranthene	15.092	252	36674	2.867	ng	# 92

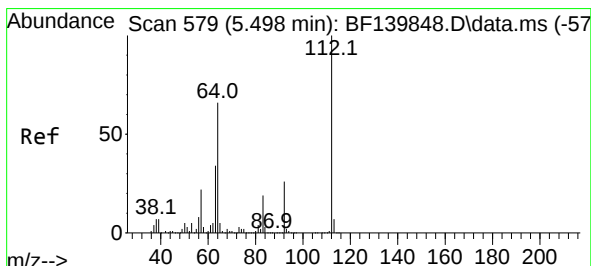
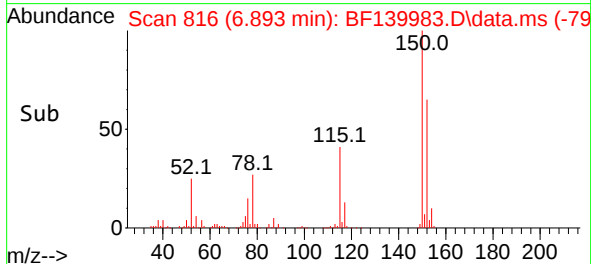
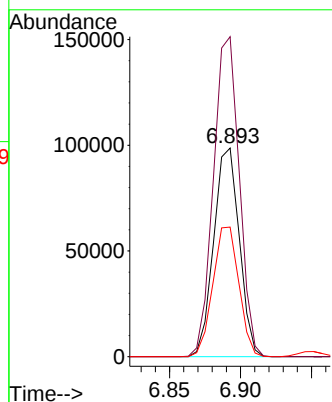
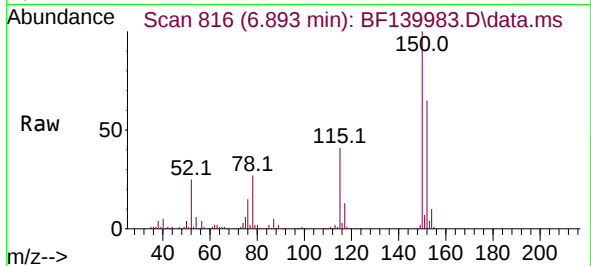
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. 0.001 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

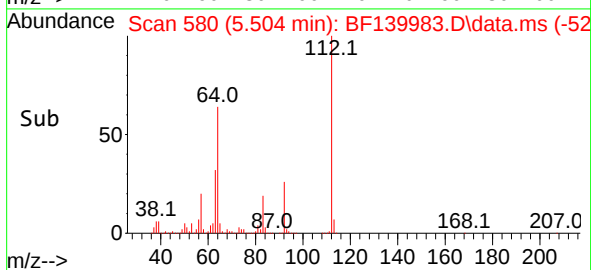
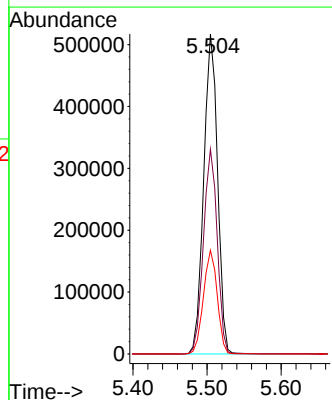
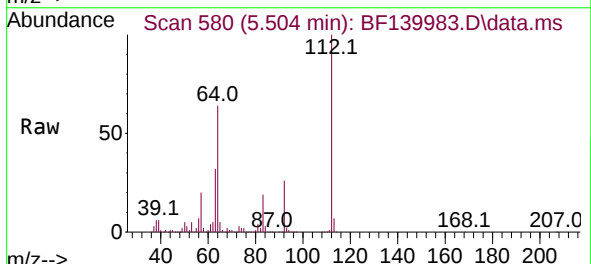
Instrument :
BNA_F
ClientSampleId :
SP-7

Tgt Ion:152 Resp: 123541
Ion Ratio Lower Upper
152 100
150 153.4 130.2 195.2
115 62.2 51.4 77.2



#5
2-Fluorophenol
Concen: 85.257 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion:112 Resp: 672806
Ion Ratio Lower Upper
112 100
64 64.0 53.0 79.6
63 32.4 27.0 40.4

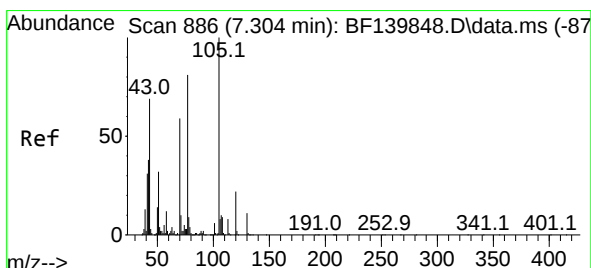
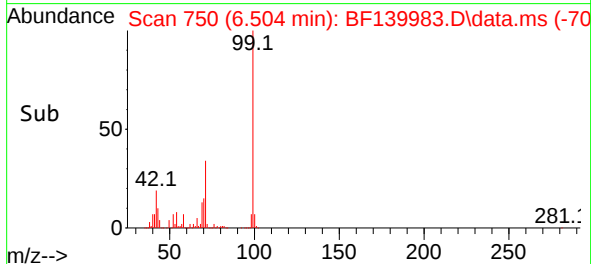
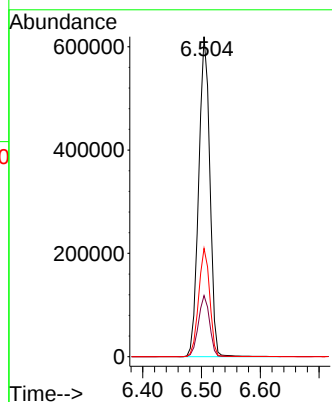
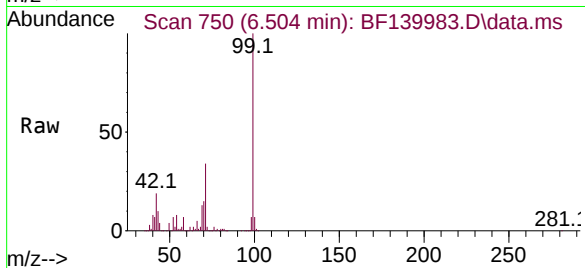




#7
Phenol-d6
Concen: 79.954 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

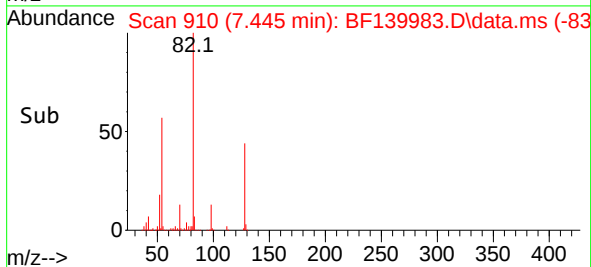
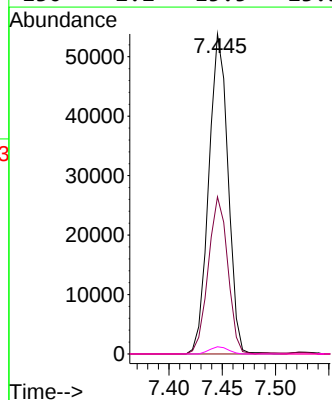
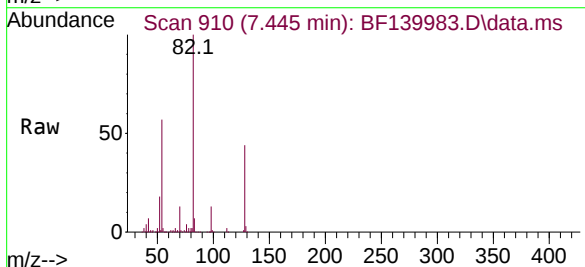
Instrument :
BNA_F
ClientSampleId :
SP-7

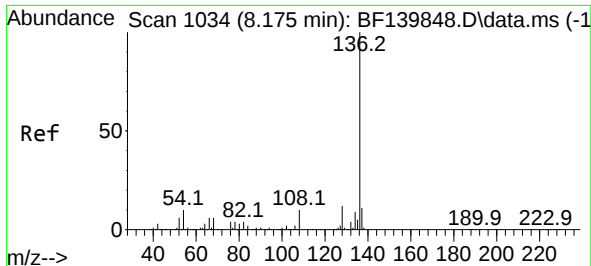
Tgt Ion: 99 Resp: 817192
Ion Ratio Lower Upper
99 100
42 19.1 16.7 25.1
71 33.8 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.915 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion: 70 Resp: 67658
Ion Ratio Lower Upper
70 100
42 49.1 51.5 77.3#
101 0.0 7.5 11.3#
130 2.2 15.5 23.3#



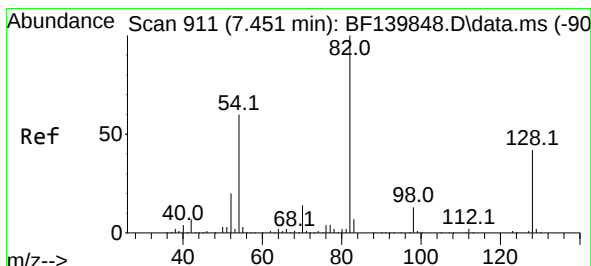
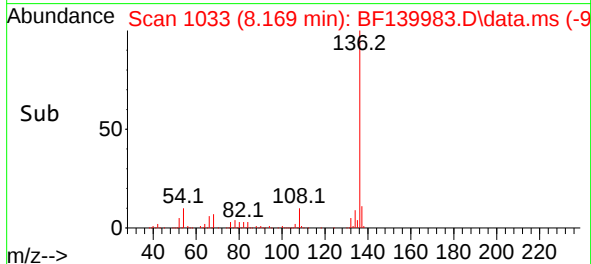
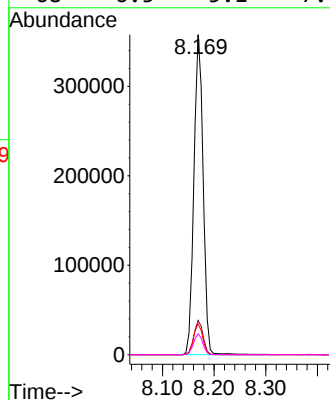
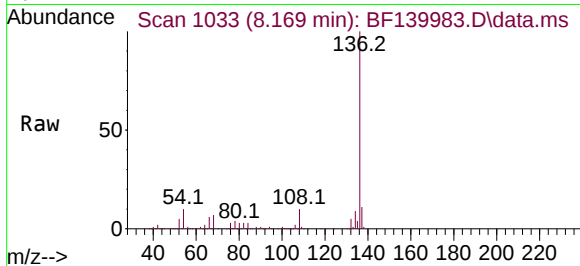


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Instrument :
BNA_F
ClientSampleId :
SP-7

Tgt Ion:136 Resp: 443226

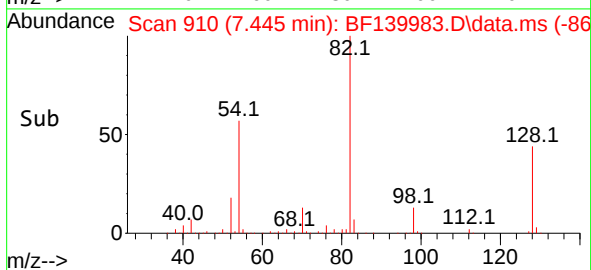
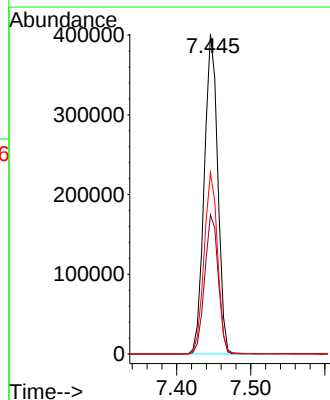
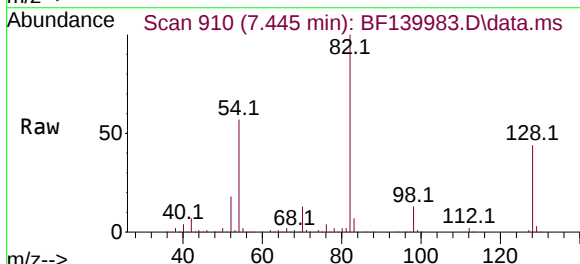
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.7	8.4	12.6
68	6.5	5.1	7.7

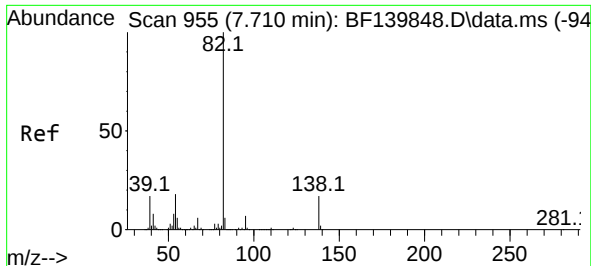


#23
Nitrobenzene-d5
Concen: 63.493 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion: 82 Resp: 507754

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.4	50.0
54	56.7	47.8	71.8

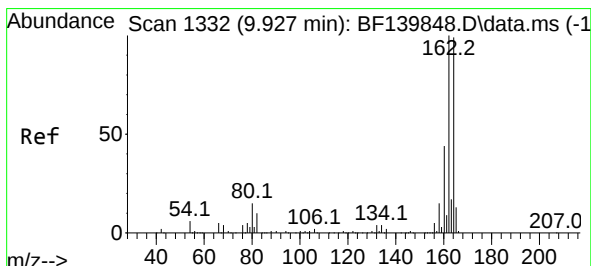
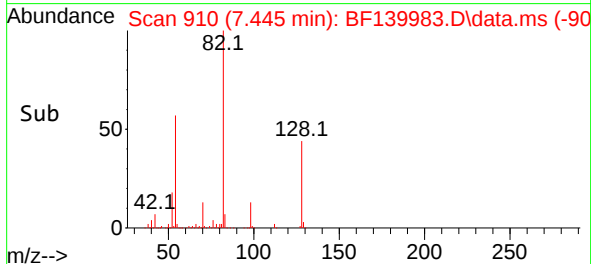
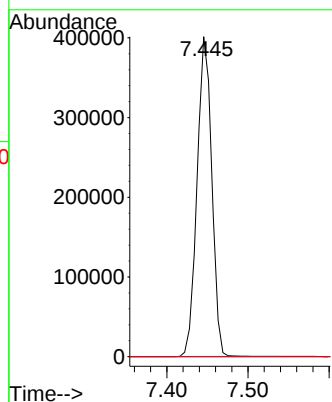
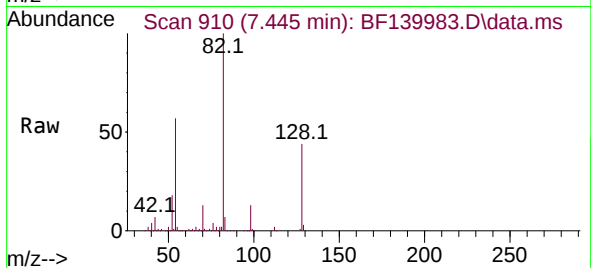




#25
Isophorone
Concen: 33.294 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.264 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

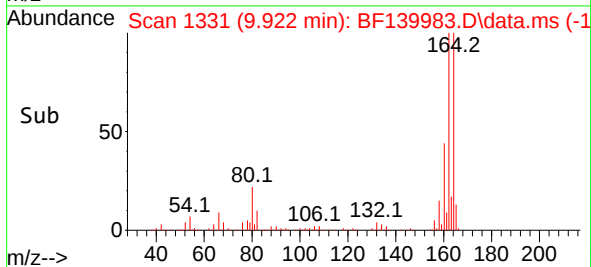
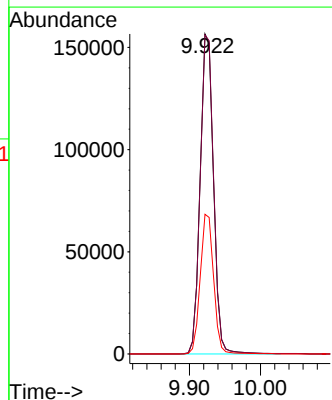
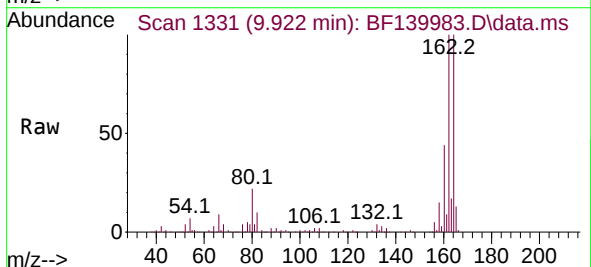
Instrument :
BNA_F
ClientSampleId :
SP-7

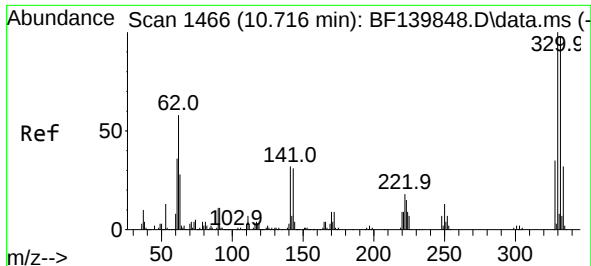
Tgt Ion: 82 Resp: 505345
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion: 164 Resp: 204877
Ion Ratio Lower Upper
164 100
162 99.8 81.0 121.4
160 43.7 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 82.222 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139983.D

Acq: 24 Oct 2024 00:11

Instrument :

BNA_F

ClientSampleId :

SP-7

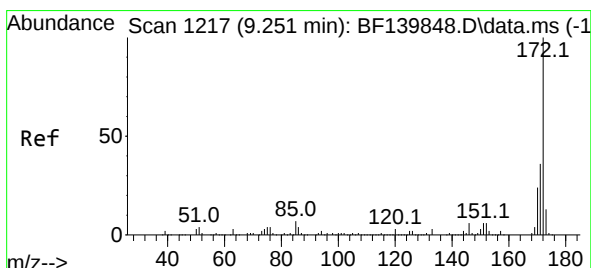
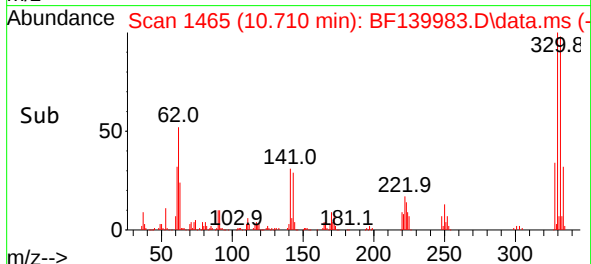
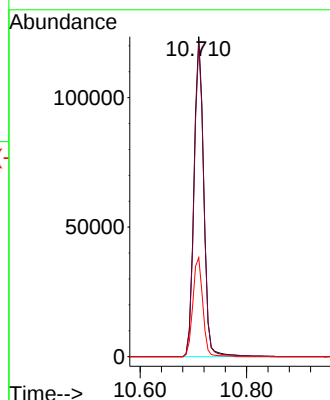
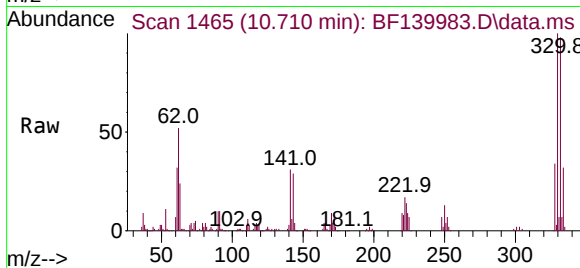
Tgt Ion:330 Resp: 157566

Ion Ratio Lower Upper

330 100

332 97.1 78.1 117.1

141 31.5 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 70.586 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF139983.D

Acq: 24 Oct 2024 00:11

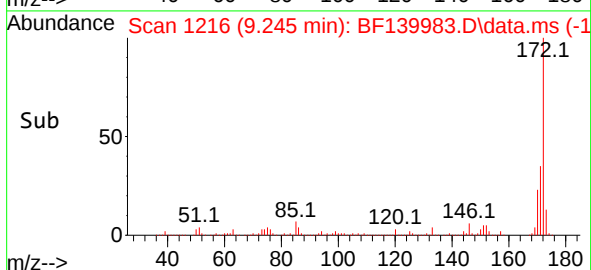
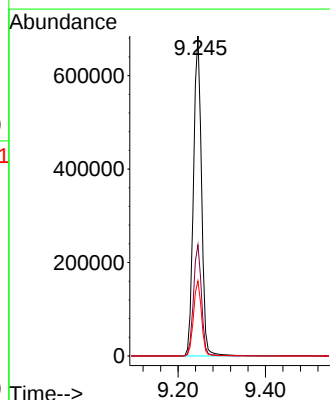
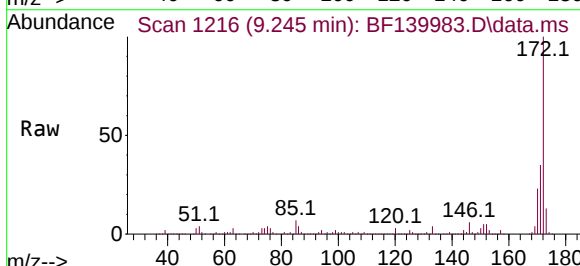
Tgt Ion:172 Resp: 875016

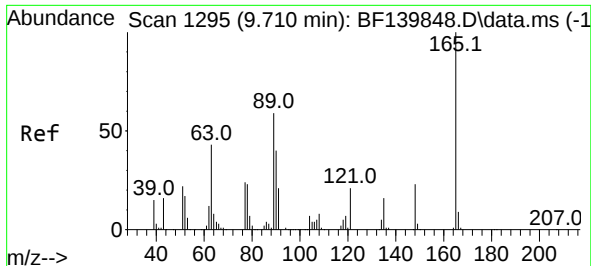
Ion Ratio Lower Upper

172 100

171 34.8 28.6 43.0

170 23.5 19.1 28.7

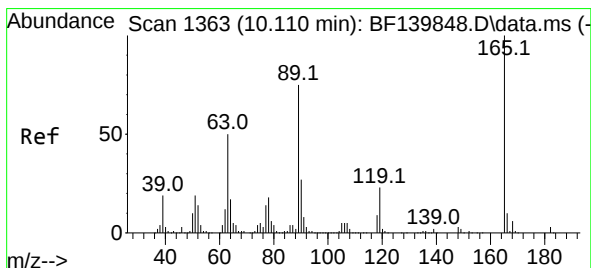
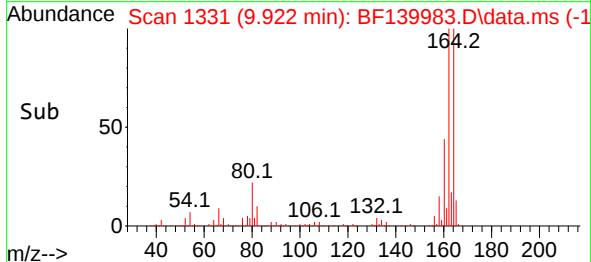
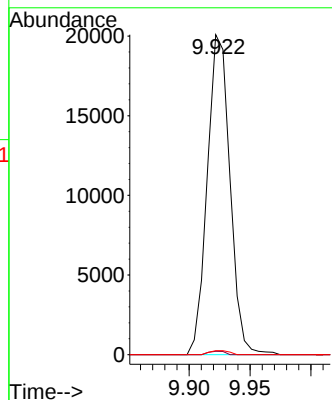
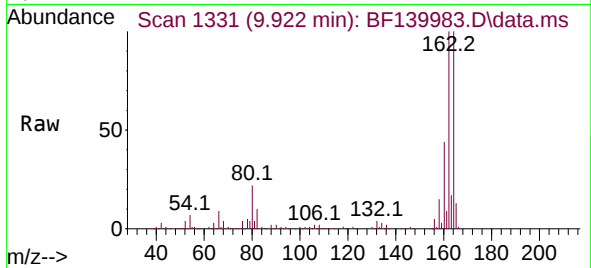




#51
2,6-Dinitrotoluene
Concen: 9.438 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

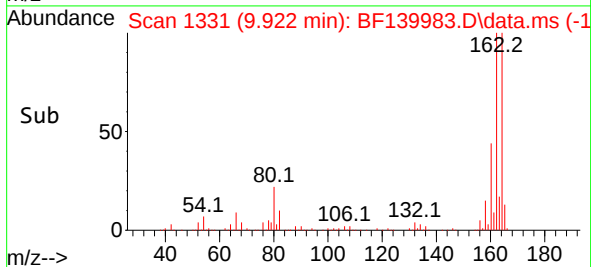
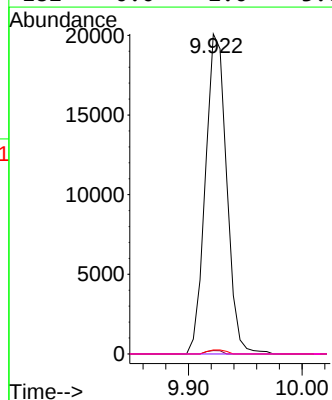
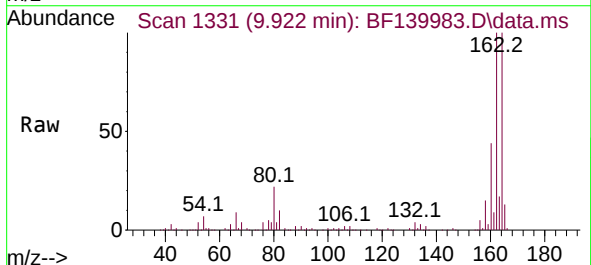
Instrument :
BNA_F
ClientSampleId :
SP-7

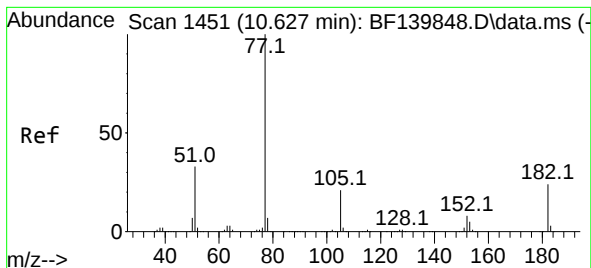
Tgt Ion:165 Resp: 26078
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.675 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion:165 Resp: 26079
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 2.032 ng

RT: 10.634 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF139983.D

Acq: 24 Oct 2024 00:11

Instrument :

BNA_F

ClientSampleId :

SP-7

Tgt Ion: 77 Resp: 26991

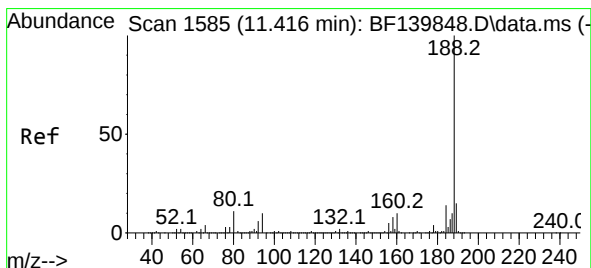
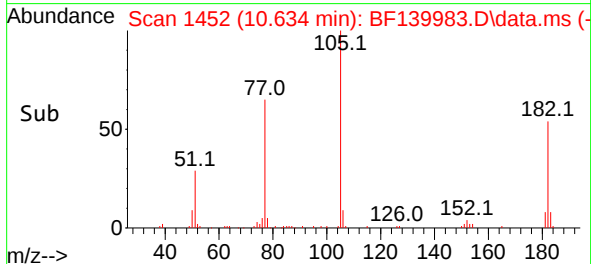
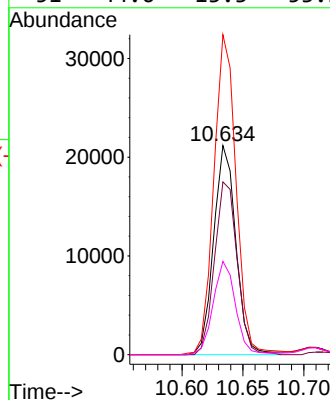
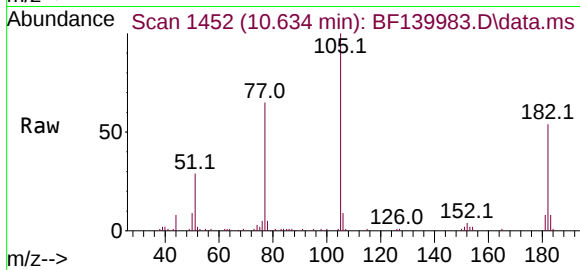
Ion Ratio Lower Upper

77 100

182 82.6 3.3 43.3#

105 153.0 1.2 41.2#

51 44.6 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: BF139983.D

Acq: 24 Oct 2024 00:11

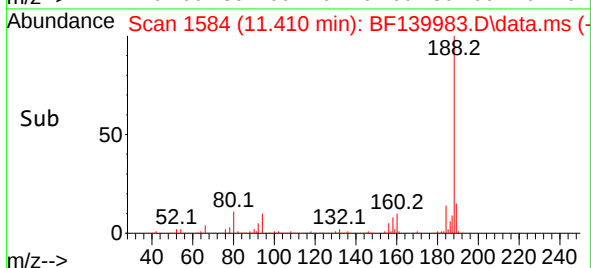
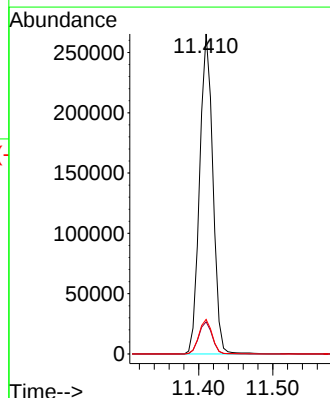
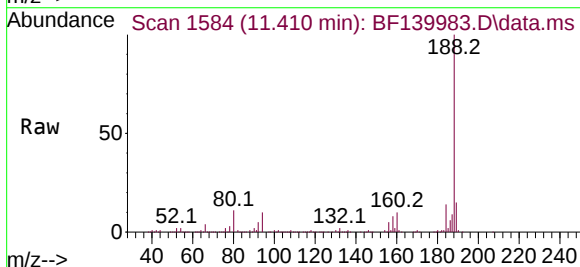
Tgt Ion:188 Resp: 329287

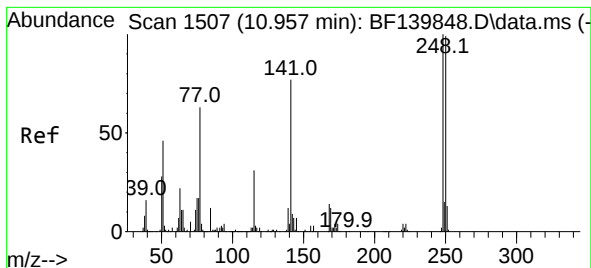
Ion Ratio Lower Upper

188 100

94 10.0 7.9 11.9

80 10.8 9.0 13.4

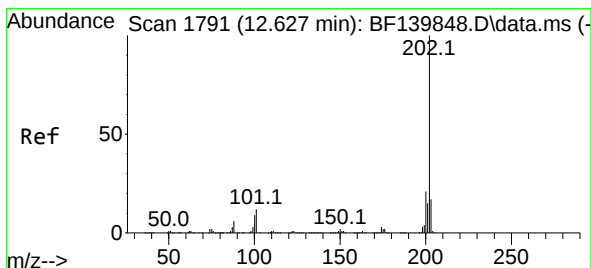
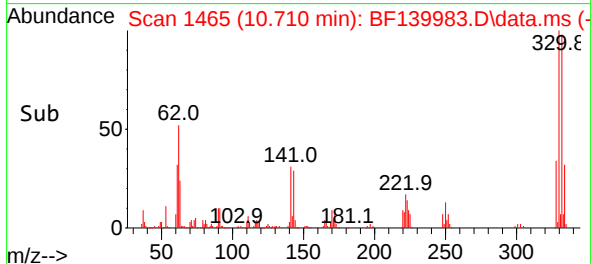
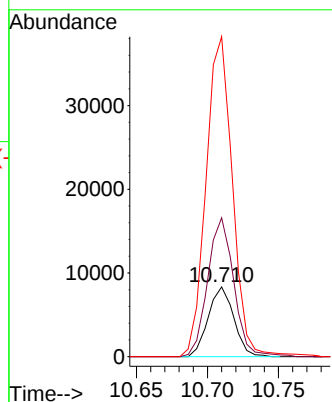
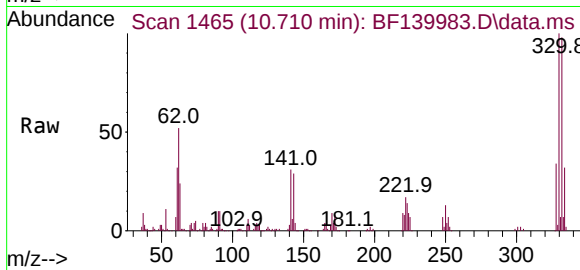




#67
4-Bromophenyl-phenylether
Concen: 3.079 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

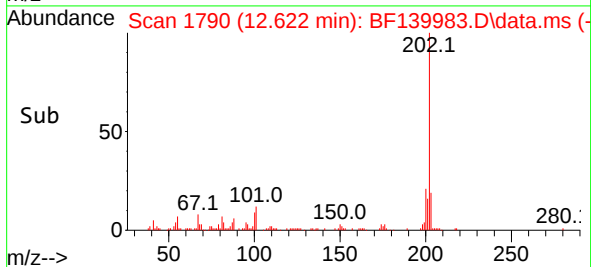
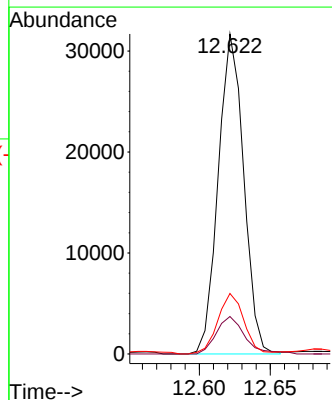
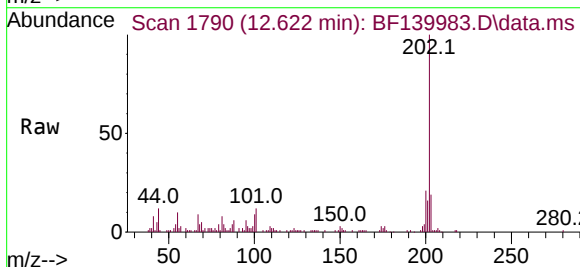
Instrument :
BNA_F
ClientSampleId :
SP-7

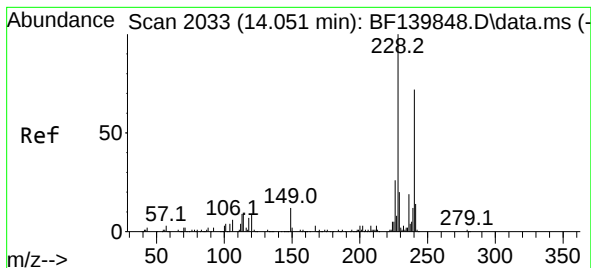
Tgt Ion:248 Resp: 10445
Ion Ratio Lower Upper
248 100
250 199.2 79.0 118.6#
141 459.0 61.7 92.5#



#75
Fluoranthene
Concen: 2.512 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion:202 Resp: 39498
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 18.9 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: BF139983.D

Acq: 24 Oct 2024 00:11

Instrument :

BNA_F

ClientSampleId :

SP-7

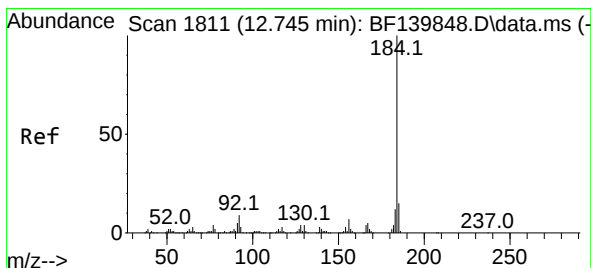
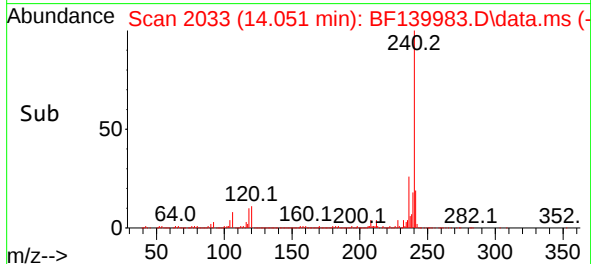
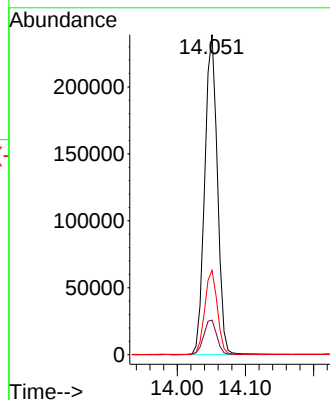
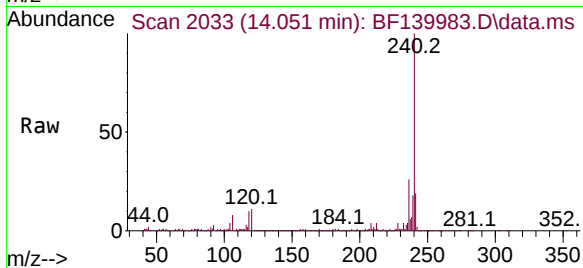
Tgt Ion:240 Resp: 309239

Ion Ratio Lower Upper

240 100

120 10.8 9.4 14.2

236 26.4 20.9 31.3



#77

Benzidine

Concen: 2.211 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF139983.D

Acq: 24 Oct 2024 00:11

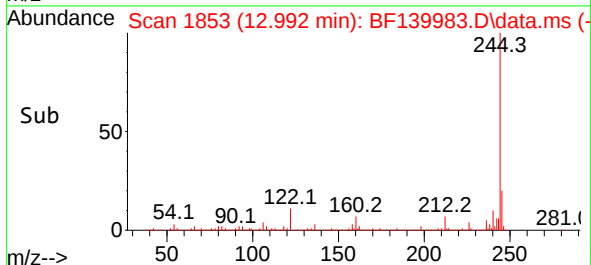
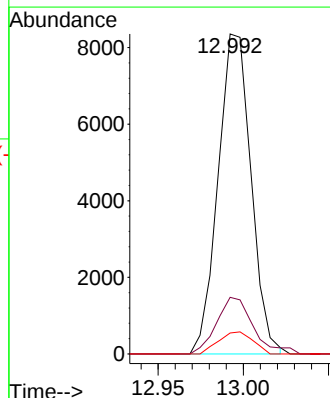
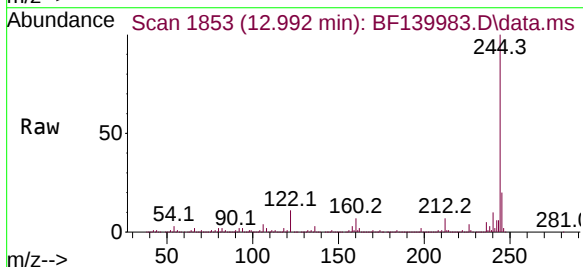
Tgt Ion:184 Resp: 11244

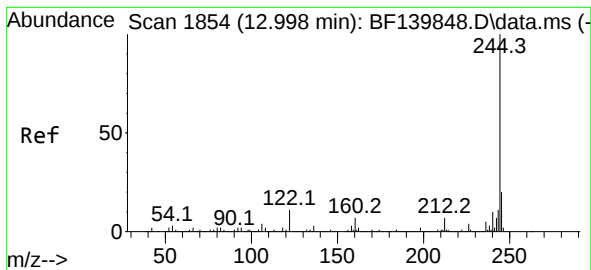
Ion Ratio Lower Upper

184 100

185 17.7 12.0 18.0

183 6.5 9.4 14.2#





#79

Terphenyl-d14

Concen: 47.925 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139983.D

Acq: 24 Oct 2024 00:11

Instrument :

BNA_F

ClientSampleId :

SP-7

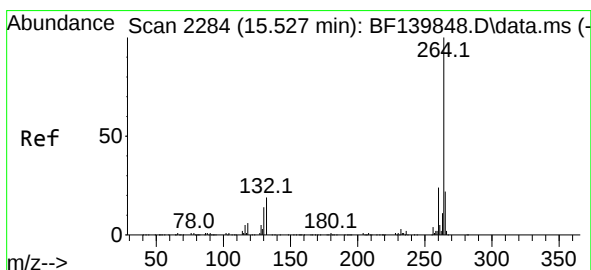
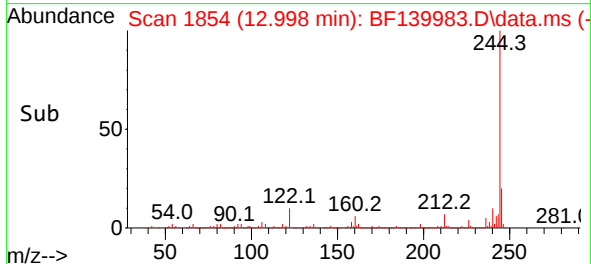
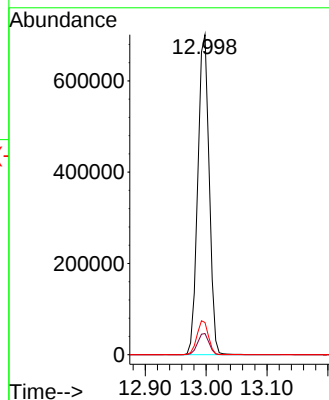
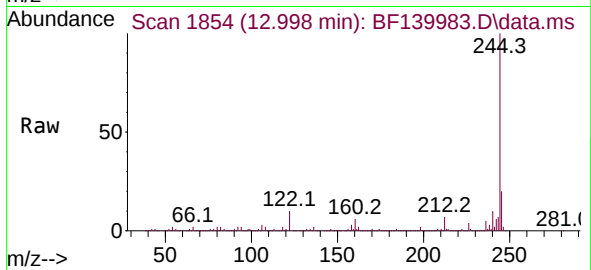
Tgt Ion:244 Resp: 909509

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 10.0 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: BF139983.D

Acq: 24 Oct 2024 00:11

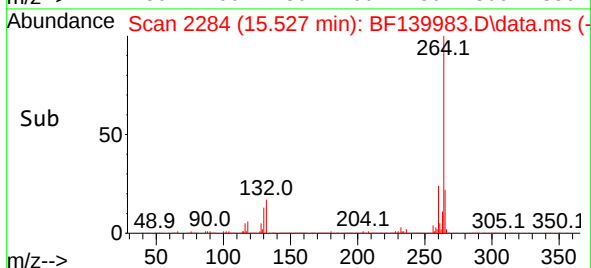
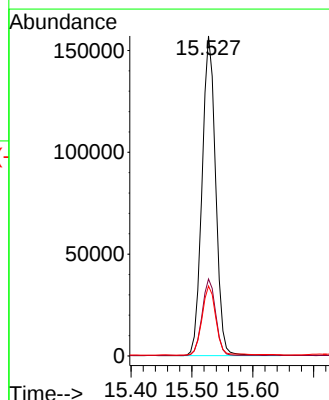
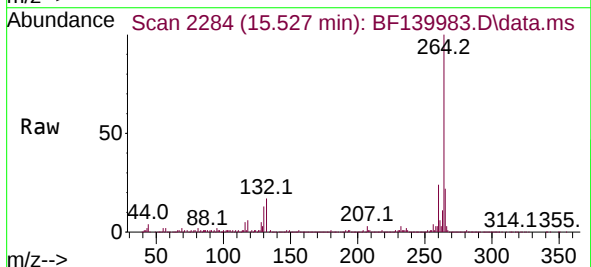
Tgt Ion:264 Resp: 243467

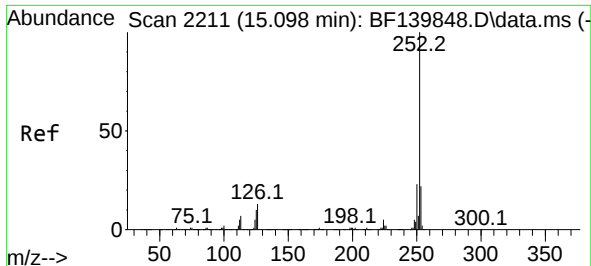
Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.9 17.4 26.0

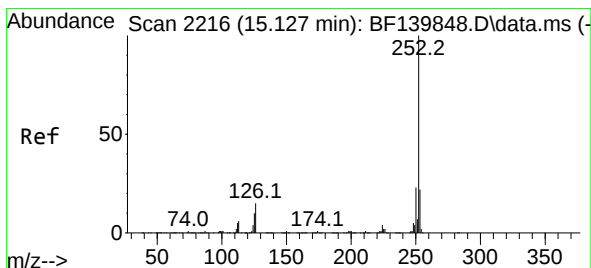
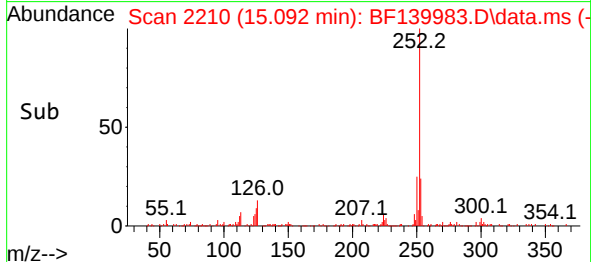
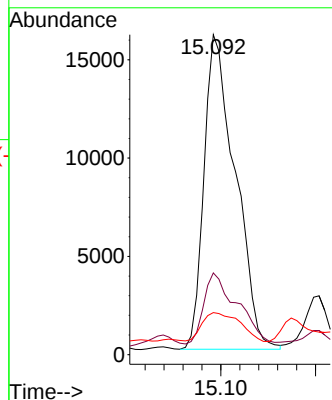
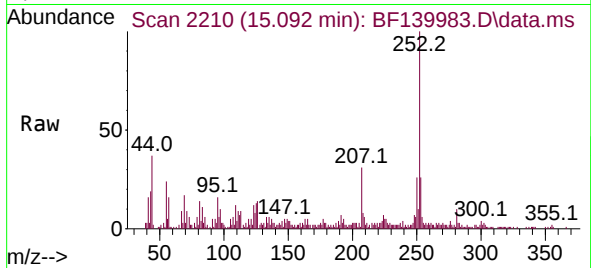




#88
Benzo(b)fluoranthene
Concen: 2.473 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Instrument :
BNA_F
ClientSampleId :
SP-7

Tgt Ion:252 Resp: 36674
Ion Ratio Lower Upper
252 100
253 25.6 17.6 26.4
125 13.2 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 2.867 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.035 min
Lab File: BF139983.D
Acq: 24 Oct 2024 00:11

Tgt Ion:252 Resp: 36674
Ion Ratio Lower Upper
252 100
253 25.6 17.6 26.4
125 13.2 7.9 11.9#

