

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102324\
 Data File : BF139987.D
 Acq On : 24 Oct 2024 02:06
 Operator : RC/JU
 Sample : P4486-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-102224

Quant Time: Oct 24 03:15:27 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)

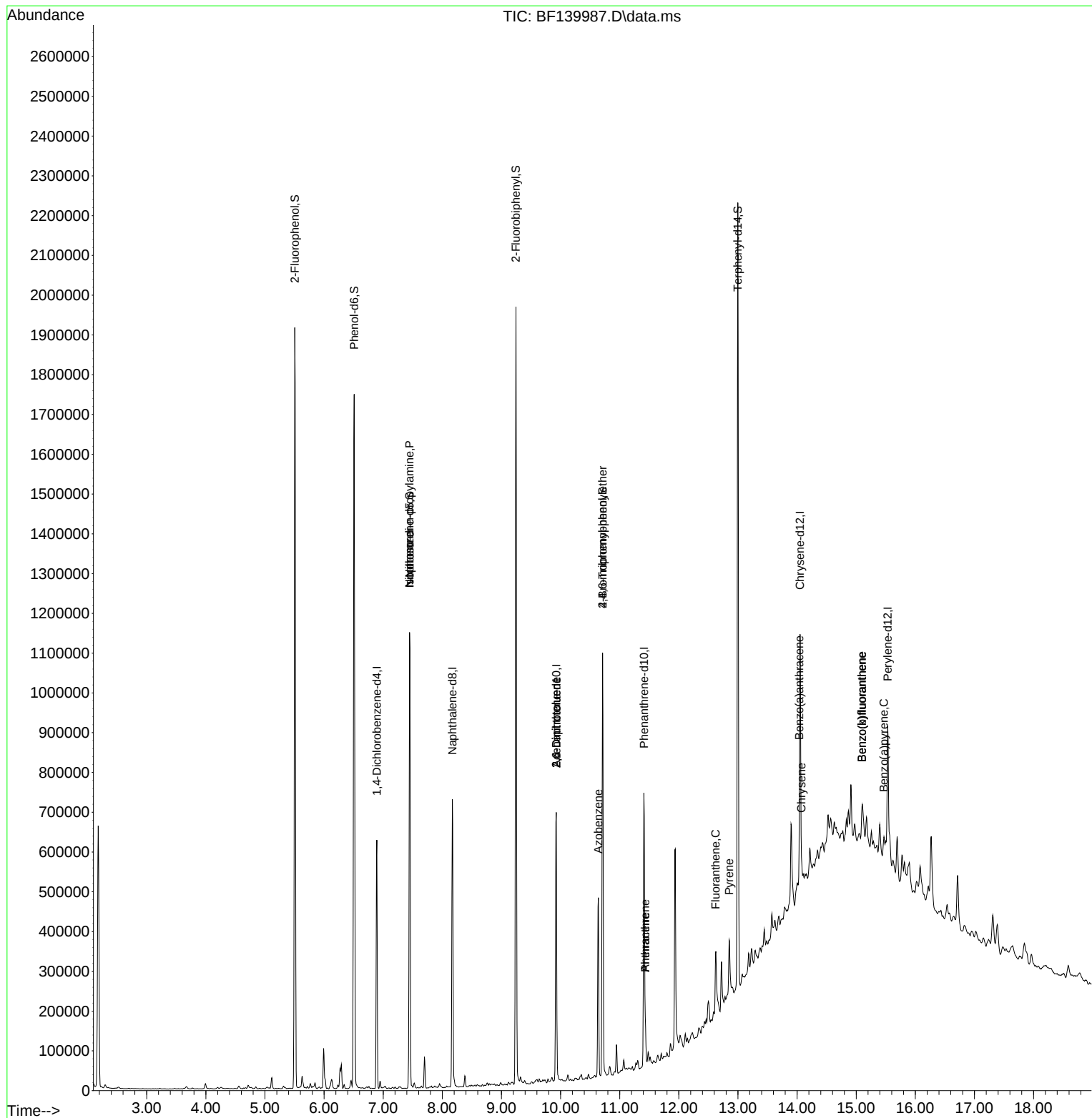
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	127934	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	435685	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	206696	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	363789	20.000	ng	0.00
76) Chrysene-d12	14.051	240	284385	20.000	ng	0.00
86) Perylene-d12	15.533	264	208018	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	700197	85.681	ng	0.00
7) Phenol-d6	6.510	99	824958	77.942	ng	0.00
23) Nitrobenzene-d5	7.445	82	502110	63.874	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	181033	93.636	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	846582	67.691	ng	0.00
79) Terphenyl-d14	12.998	244	984172	56.391	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	67850	10.570	ng	# 77
25) Isophorone	7.445	82	500267	33.530	ng	# 67
51) 2,6-Dinitrotoluene	9.927	165	27222	9.765	ng	# 22
57) 2,4-Dinitrotoluene	9.927	165	27463	8.011	ng	# 21
63) Azobenzene	10.639	77	116744	8.711	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	11456	3.057	ng	# 1
71) Phenanthrene	11.433	178	54994	3.200	ng	99
72) Anthracene	11.433	178	54994	3.280	ng	100
75) Fluoranthene	12.621	202	87762	5.052	ng	99
78) Pyrene	12.851	202	84510	3.395	ng	97
81) Benzo(a)anthracene	14.039	228	38883	2.100	ng	# 84
83) Chrysene	14.074	228	37261	2.195	ng	# 83
88) Benzo(b)fluoranthene	15.098	252	50723	4.003	ng	# 56
89) Benzo(k)fluoranthene	15.098	252	50723	4.641	ng	# 56
90) Benzo(a)pyrene	15.468	252	25612	2.456	ng	# 68

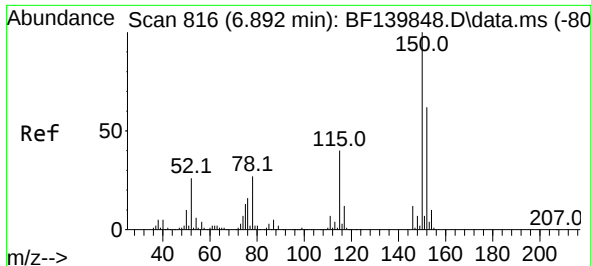
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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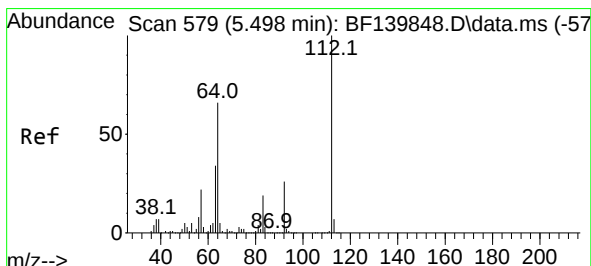
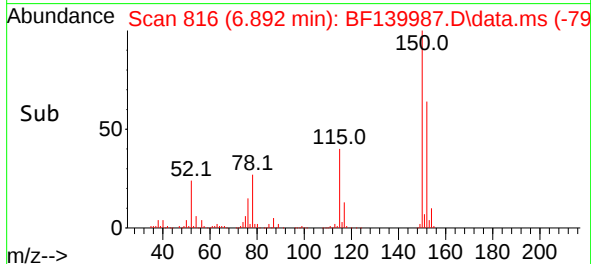
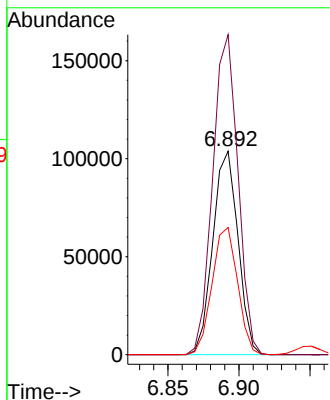
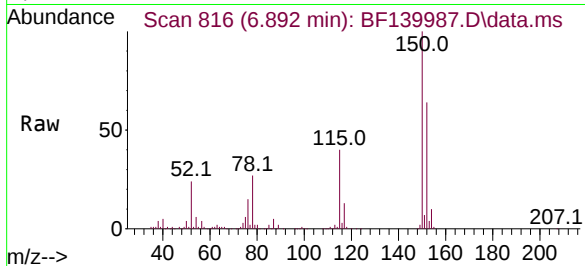




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

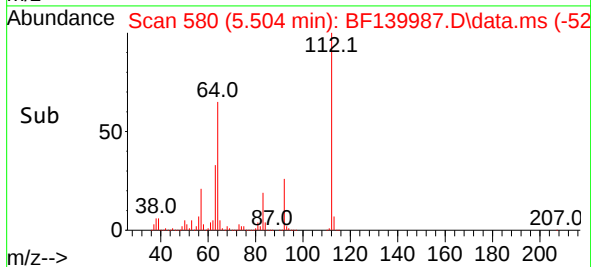
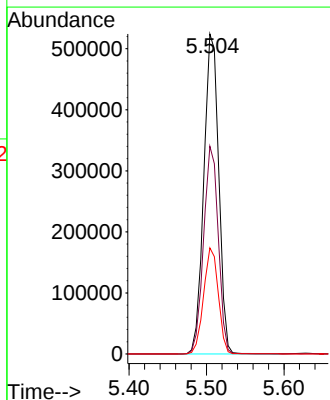
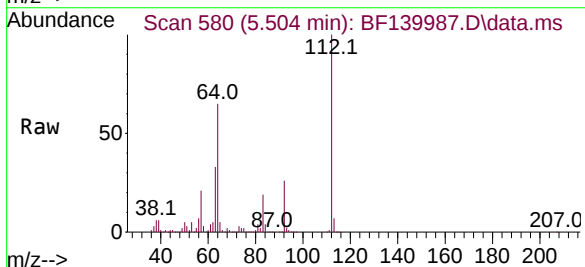
Instrument :
BNA_F
ClientSampleId :
EO-03-102224

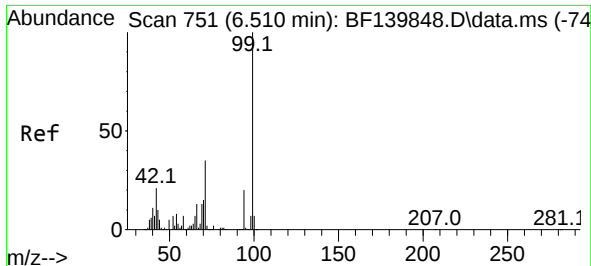
Tgt Ion:152 Resp: 127934
Ion Ratio Lower Upper
152 100
150 157.2 130.2 195.2
115 62.5 51.4 77.2



#5
2-Fluorophenol
Concen: 85.681 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Tgt Ion:112 Resp: 700197
Ion Ratio Lower Upper
112 100
64 64.9 53.0 79.6
63 33.2 27.0 40.4

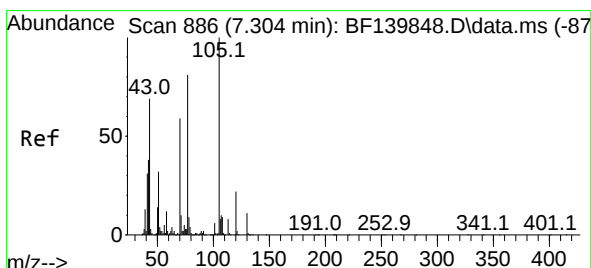
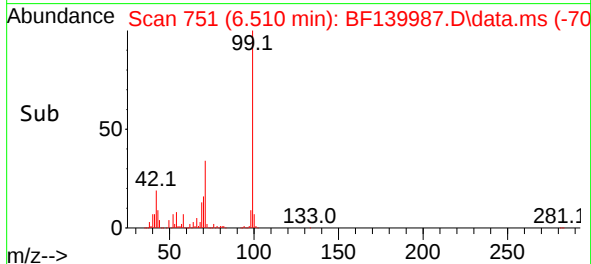
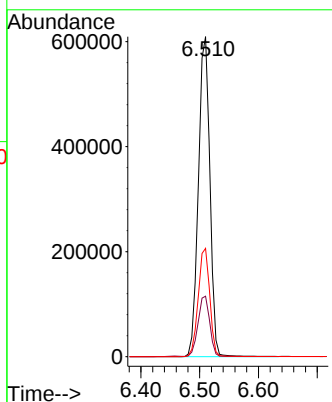
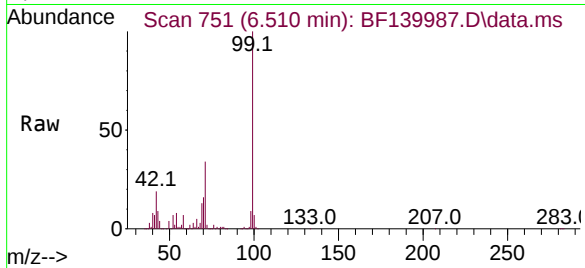




#7
Phenol-d6
Concen: 77.942 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

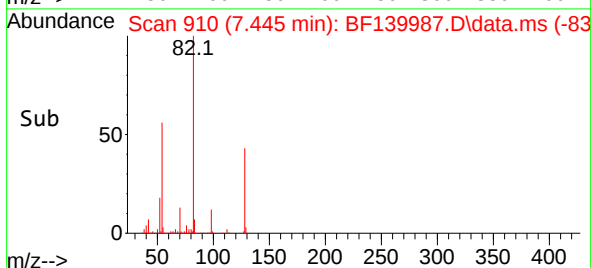
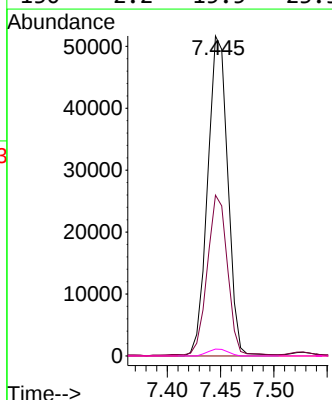
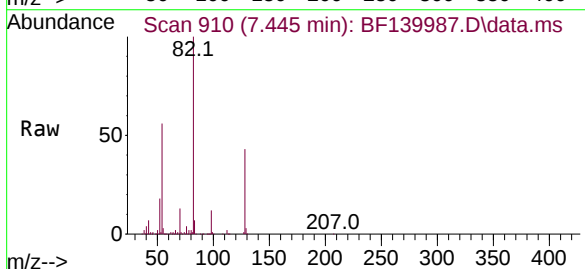
Instrument :
BNA_F
ClientSampleId :
EO-03-102224

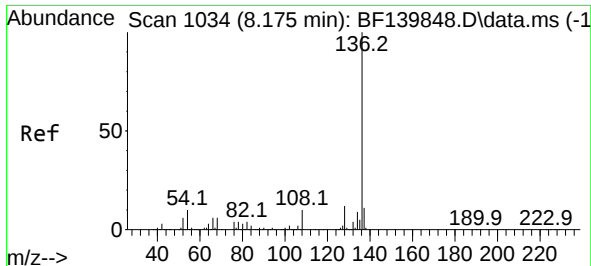
Tgt Ion: 99 Resp: 824958
Ion Ratio Lower Upper
99 100
42 18.9 16.7 25.1
71 33.9 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.570 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Tgt Ion: 70 Resp: 67850
Ion Ratio Lower Upper
70 100
42 50.3 51.5 77.3#
101 0.0 7.5 11.3#
130 2.2 15.5 23.3#



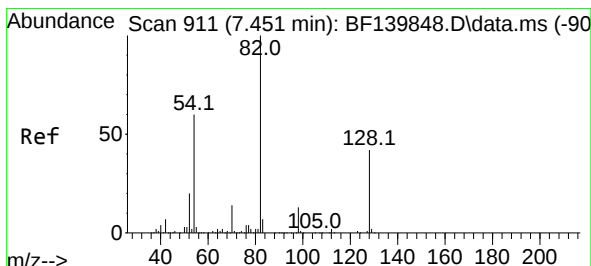
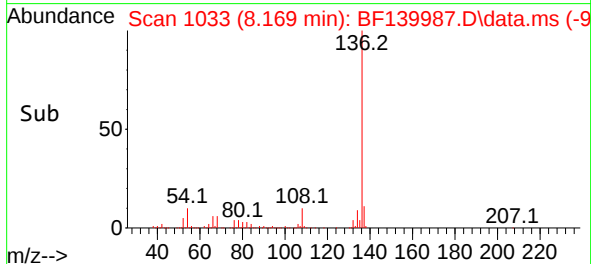
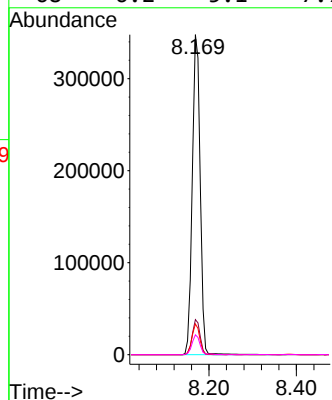
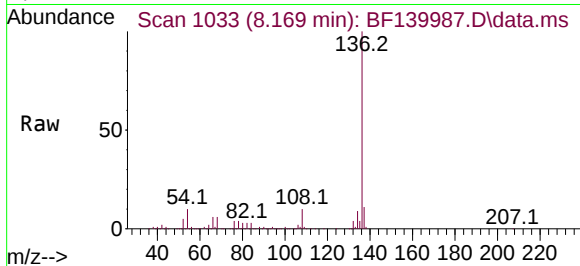


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Instrument :
BNA_F
ClientSampleId :
EO-03-102224

Tgt Ion:136 Resp: 435685

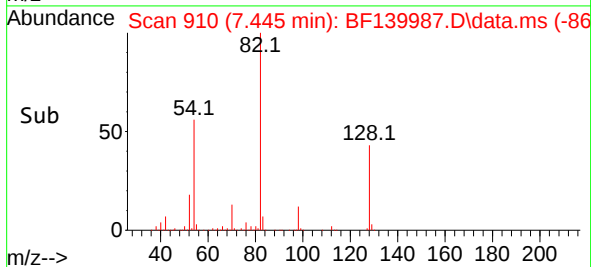
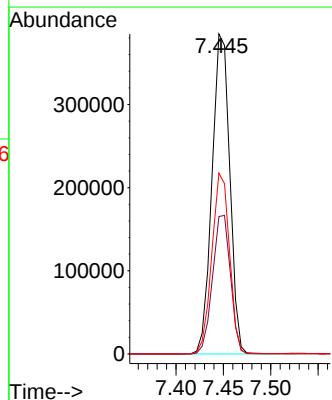
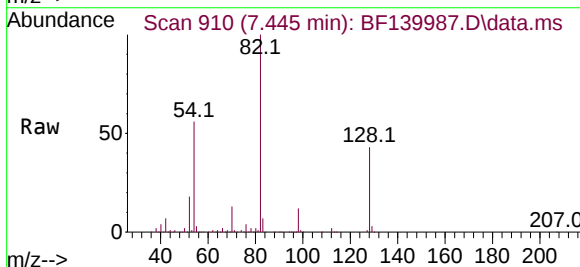
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	9.6	8.4	12.6
68	6.2	5.1	7.7

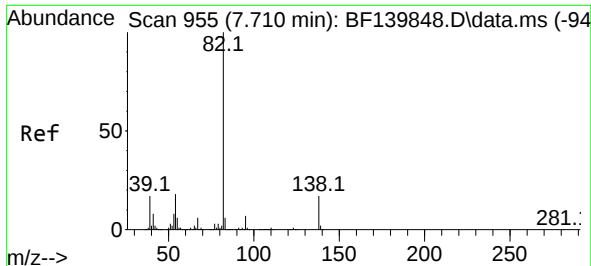


#23
Nitrobenzene-d5
Concen: 63.874 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Tgt Ion: 82 Resp: 502110

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.4	50.0
54	56.5	47.8	71.8

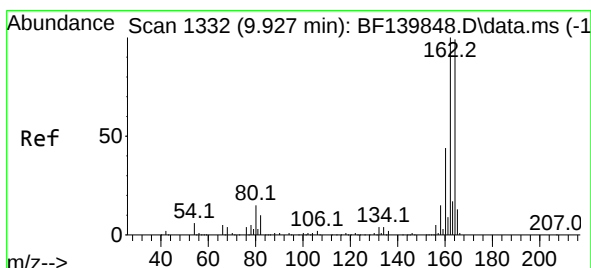
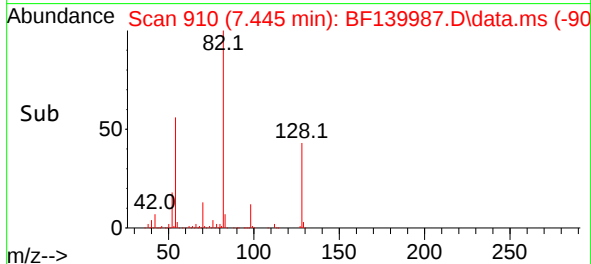
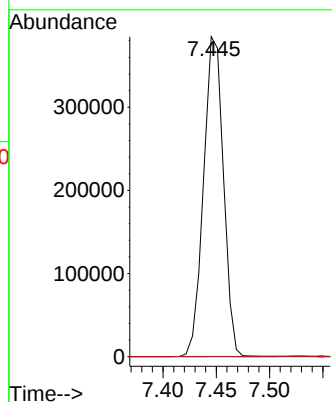
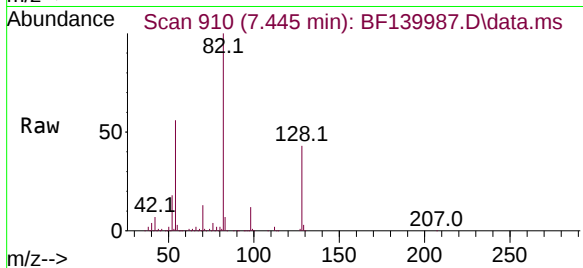




#25
Isophorone
Concen: 33.530 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

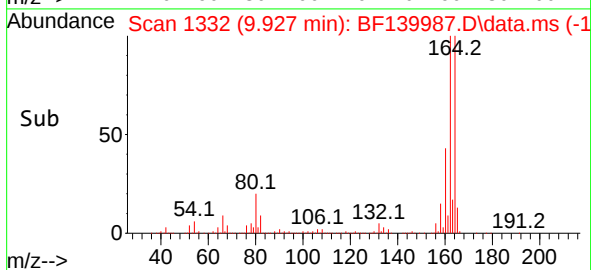
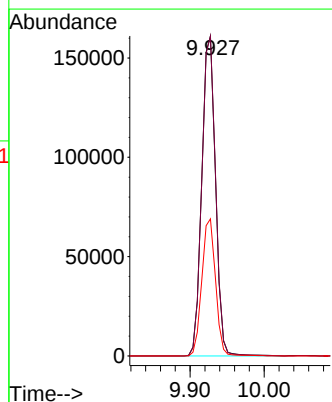
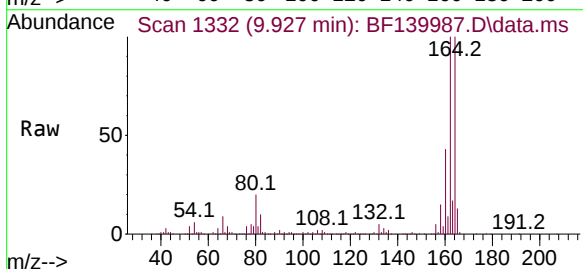
Instrument :
BNA_F
ClientSampleId :
EO-03-102224

Tgt Ion: 82 Resp: 500267
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: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Tgt Ion: 164 Resp: 206696
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 42.9 35.4 53.0

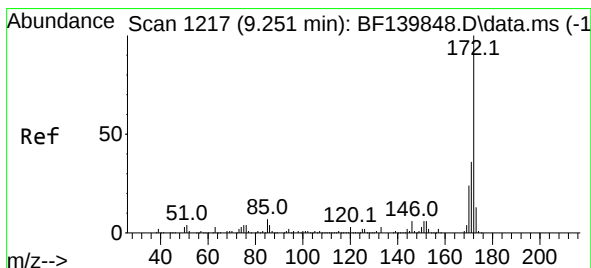
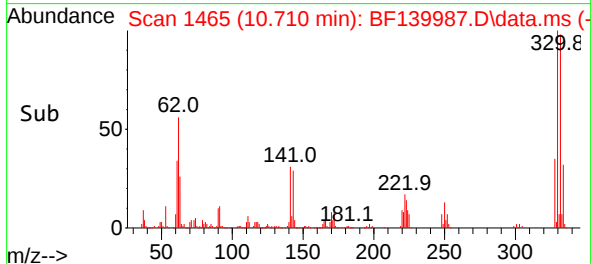
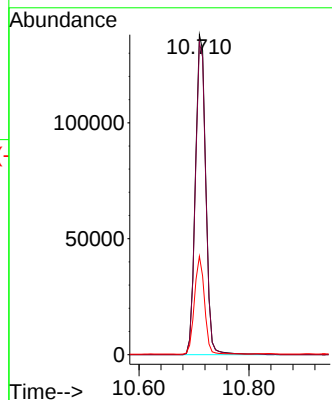
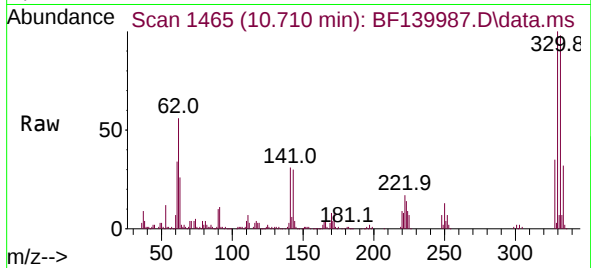




#42
2,4,6-Tribromophenol
Concen: 93.636 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

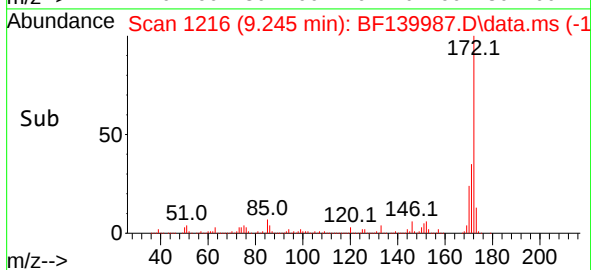
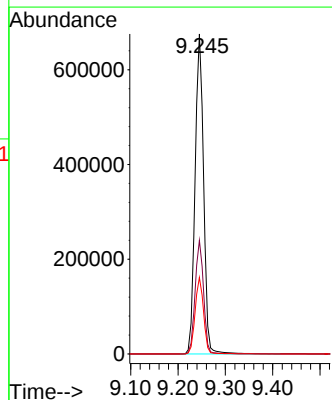
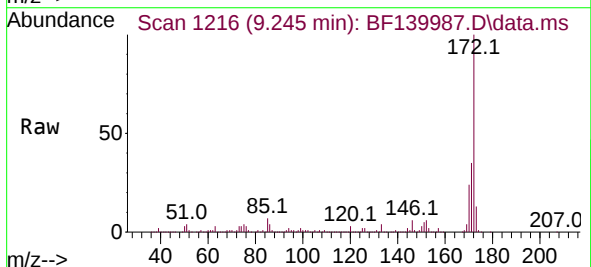
Instrument :
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ClientSampleId :
EO-03-102224

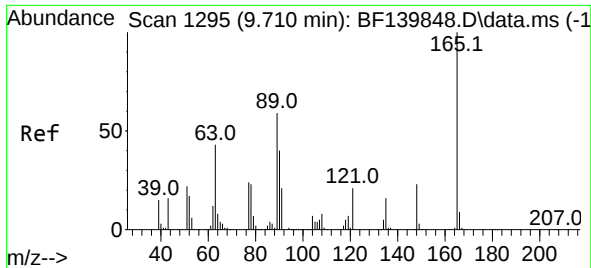
Tgt Ion:330 Resp: 181033
Ion Ratio Lower Upper
330 100
332 97.5 78.1 117.1
141 29.5 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 67.691 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Tgt Ion:172 Resp: 846582
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.9 19.1 28.7

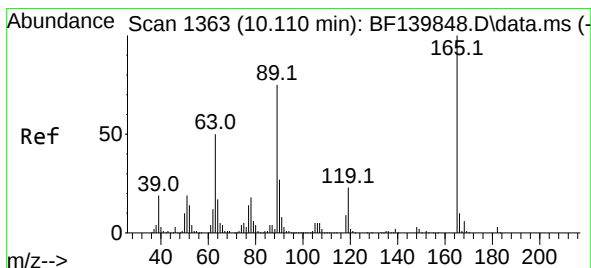
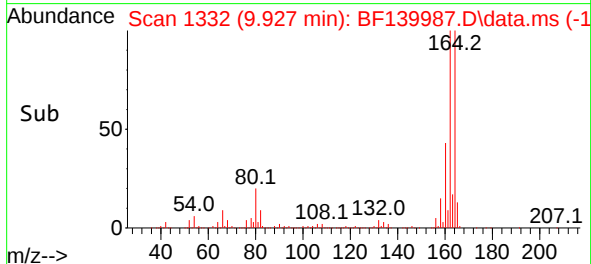
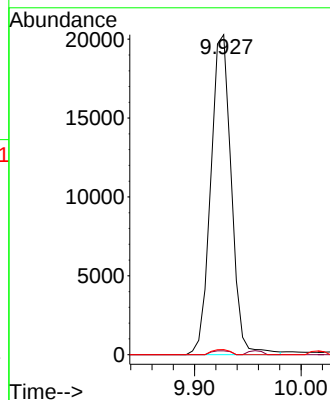
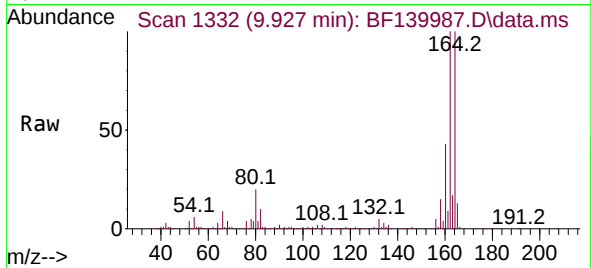




#51
2,6-Dinitrotoluene
Concen: 9.765 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

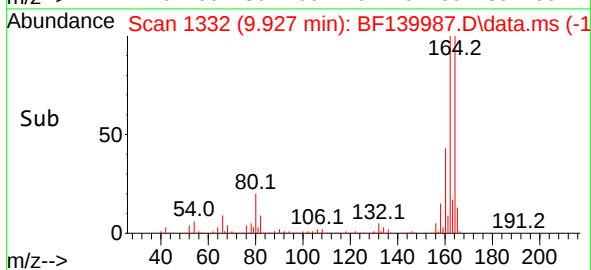
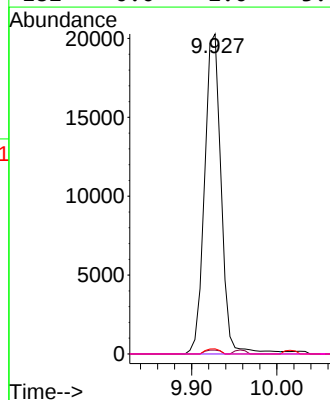
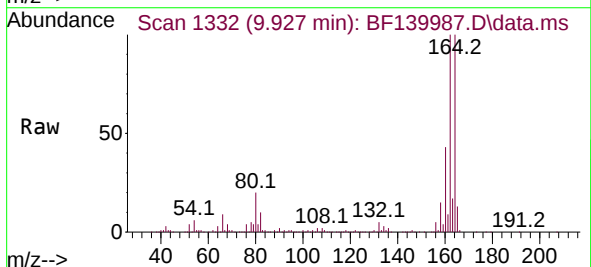
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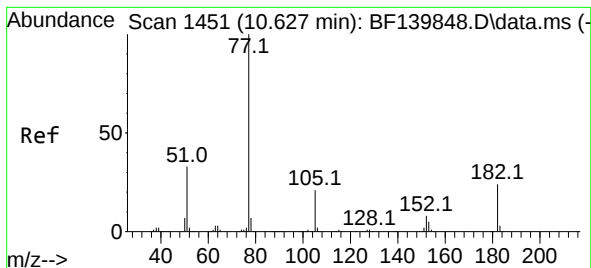
Tgt Ion:165 Resp: 27222
Ion Ratio Lower Upper
165 100
63 1.2 50.6 75.8#
89 1.6 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 8.011 ng
RT: 9.927 min Scan# 1332
Delta R.T. -0.182 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Tgt Ion:165 Resp: 27463
Ion Ratio Lower Upper
165 100
63 1.2 40.1 60.1#
89 1.6 60.4 90.6#
182 0.0 2.0 3.0#





#63

Azobenzene

Concen: 8.711 ng

RT: 10.639 min Scan# 1451

Delta R.T. 0.012 min

Lab File: BF139987.D

Acq: 24 Oct 2024 02:06

Instrument :

BNA_F

ClientSampleId :

EO-03-102224

Tgt Ion: 77 Resp: 116744

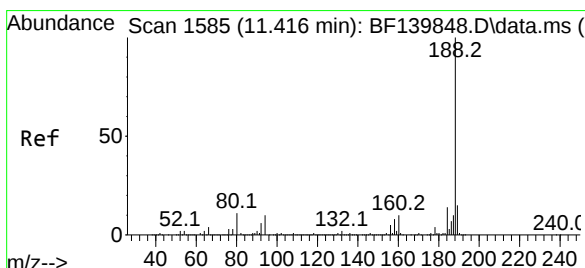
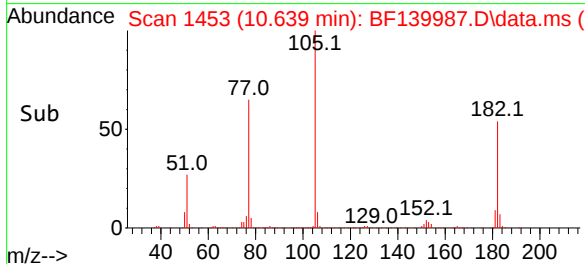
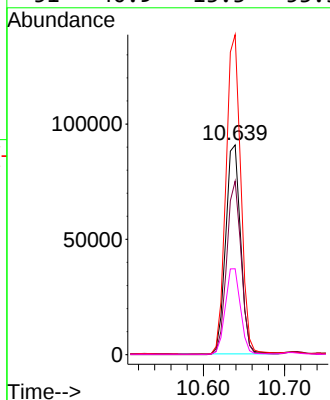
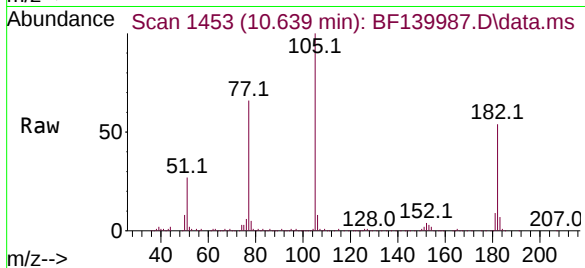
Ion Ratio Lower Upper

77 100

182 82.8 3.3 43.3#

105 152.6 1.2 41.2#

51 40.9 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: BF139987.D

Acq: 24 Oct 2024 02:06

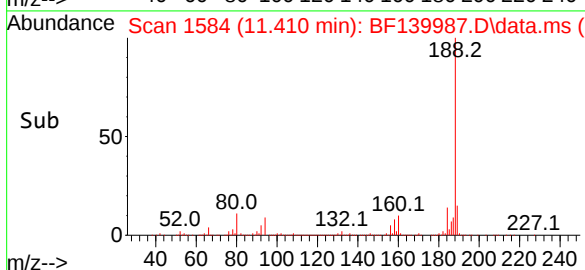
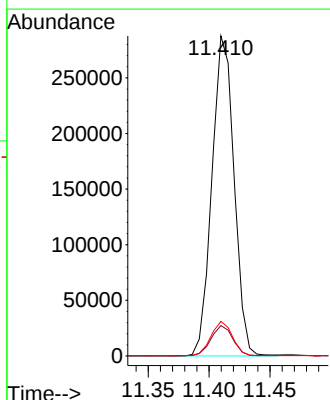
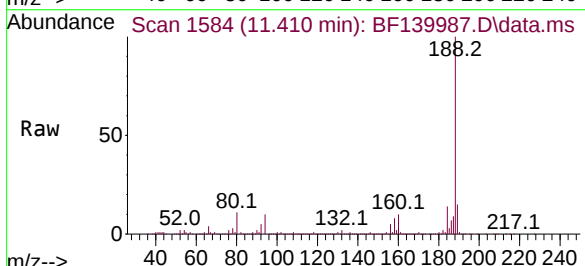
Tgt Ion: 188 Resp: 363789

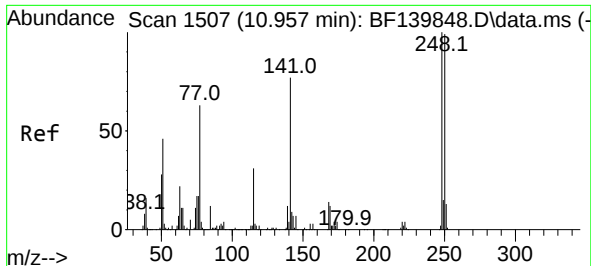
Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

80 10.8 9.0 13.4

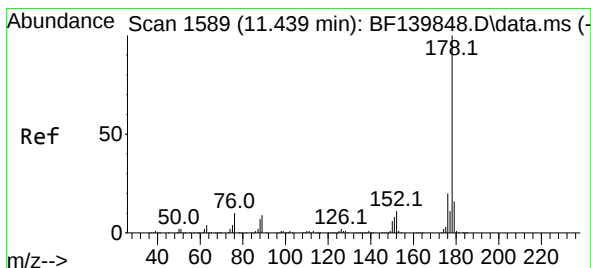
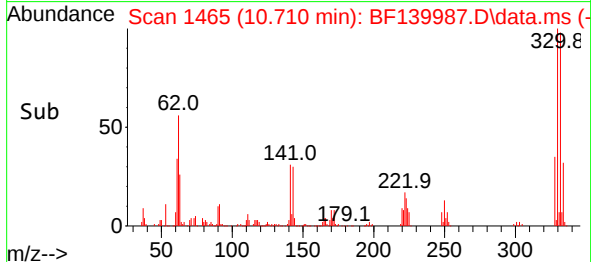
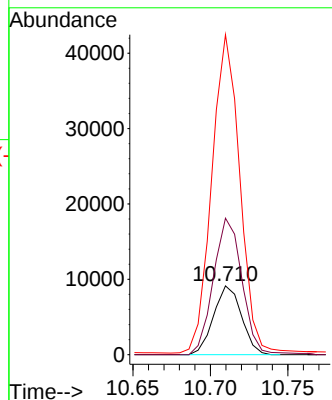
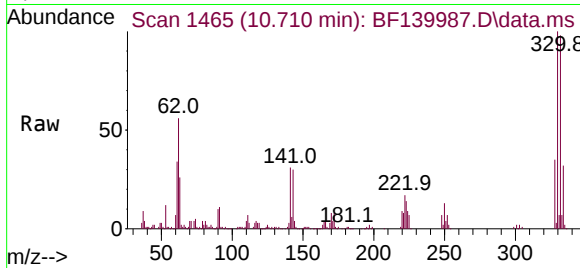




#67
4-Bromophenyl-phenylether
Concen: 3.057 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

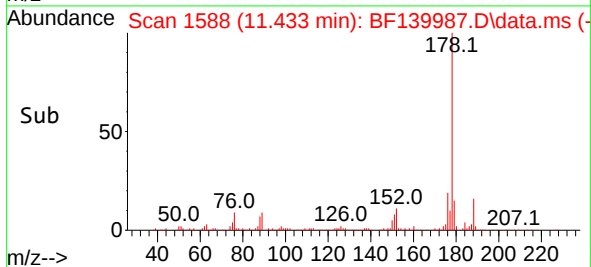
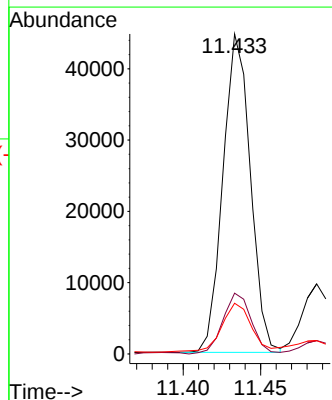
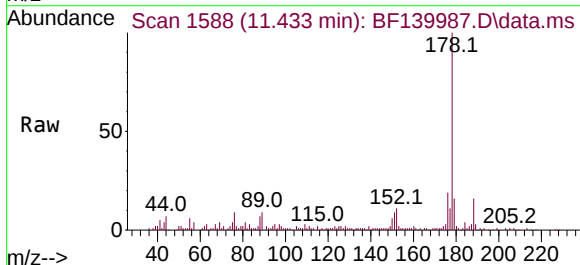
Instrument :
BNA_F
ClientSampleId :
EO-03-102224

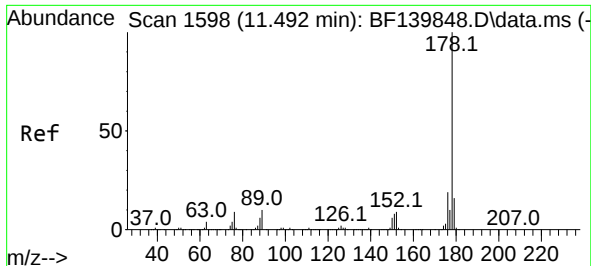
Tgt Ion:248 Resp: 11456
Ion Ratio Lower Upper
248 100
250 198.2 79.0 118.6#
141 464.8 61.7 92.5#



#71
Phenanthrene
Concen: 3.200 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

Tgt Ion:178 Resp: 54994
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.6
179 15.9 12.6 18.8

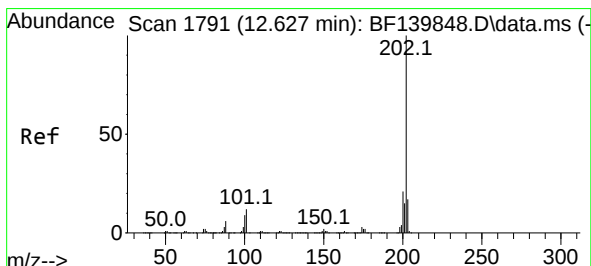
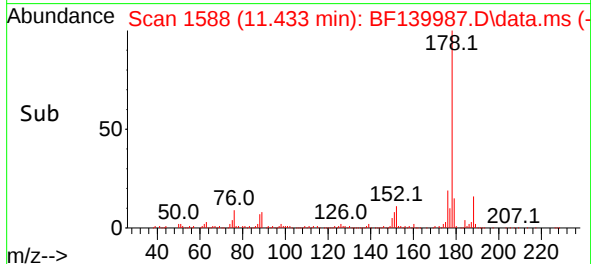
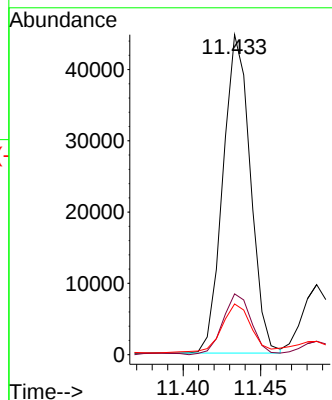
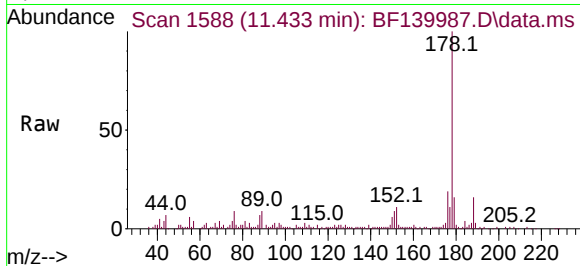




#72
 Anthracene
 Concen: 3.280 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF139987.D
 Acq: 24 Oct 2024 02:06

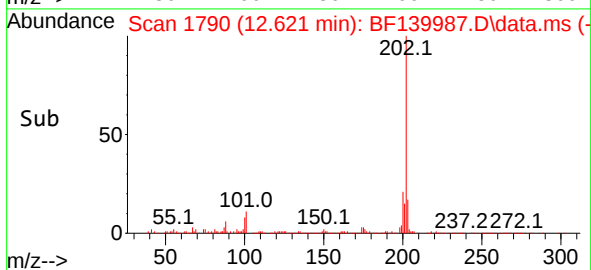
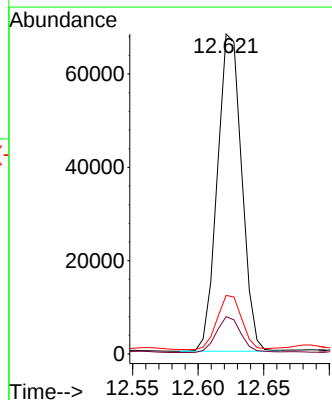
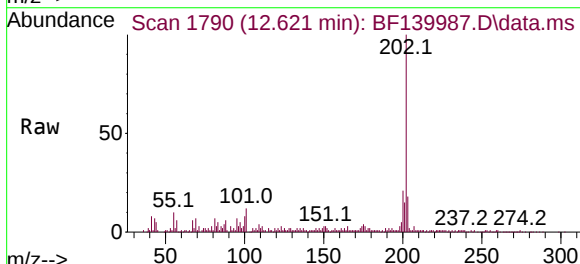
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-102224

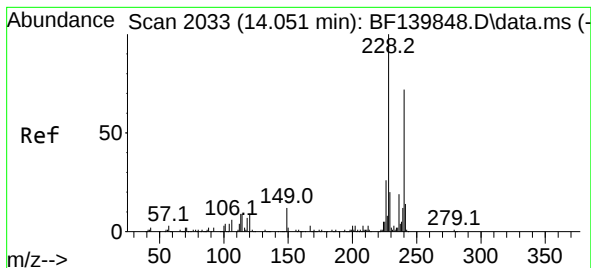
Tgt Ion:178 Resp: 54994
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.9 12.4 18.6



#75
 Fluoranthene
 Concen: 5.052 ng
 RT: 12.621 min Scan# 1790
 Delta R.T. -0.006 min
 Lab File: BF139987.D
 Acq: 24 Oct 2024 02:06

Tgt Ion:202 Resp: 87762
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 31.9
 203 18.3 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: BF139987.D

Acq: 24 Oct 2024 02:06

Instrument :

BNA_F

ClientSampleId :

EO-03-102224

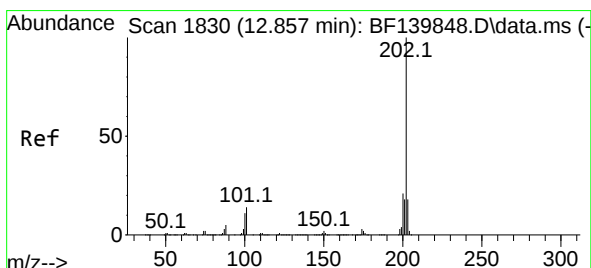
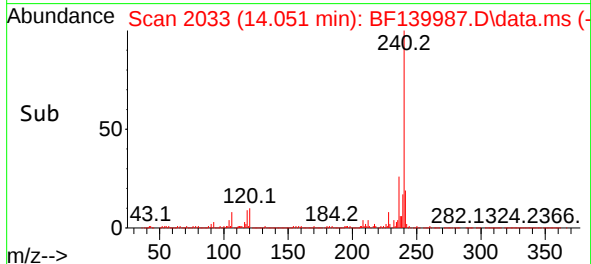
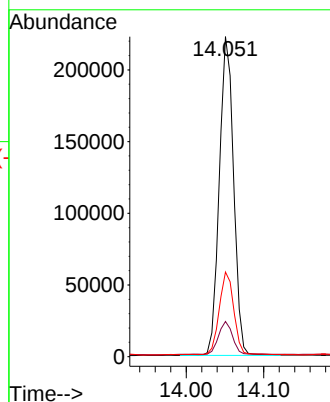
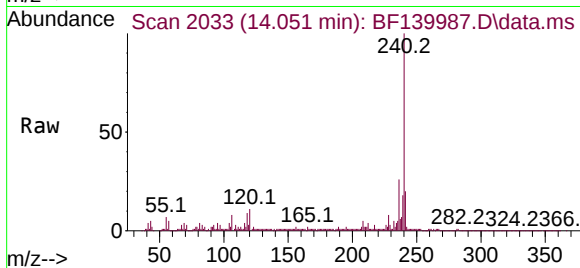
Tgt Ion:240 Resp: 284385

Ion Ratio Lower Upper

240 100

120 11.0 9.4 14.2

236 26.4 20.9 31.3



#78

Pyrene

Concen: 3.395 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF139987.D

Acq: 24 Oct 2024 02:06

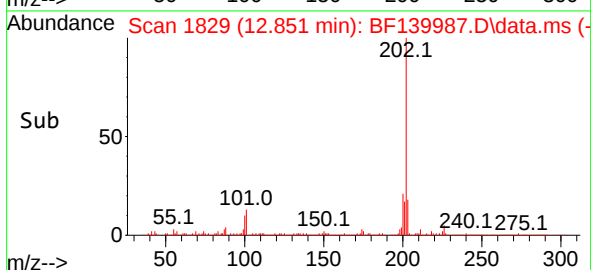
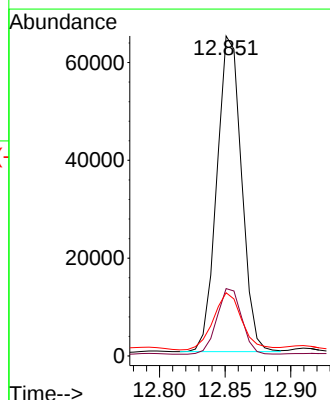
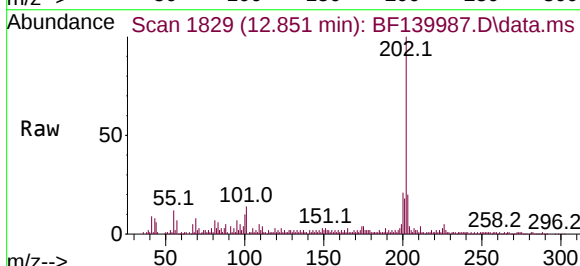
Tgt Ion:202 Resp: 84510

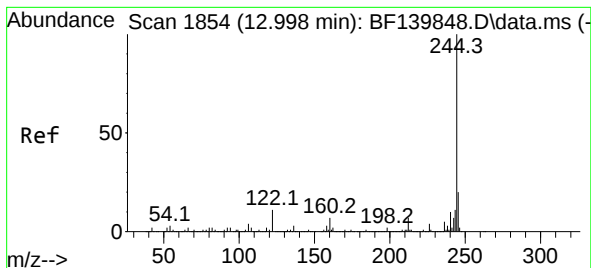
Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

203 19.8 14.2 21.4





#79

Terphenyl-d14

Concen: 56.391 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF139987.D

Acq: 24 Oct 2024 02:06

Instrument :

BNA_F

ClientSampleId :

EO-03-102224

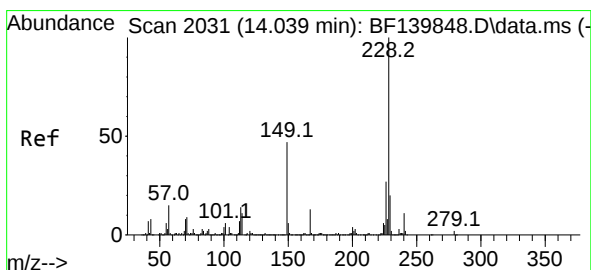
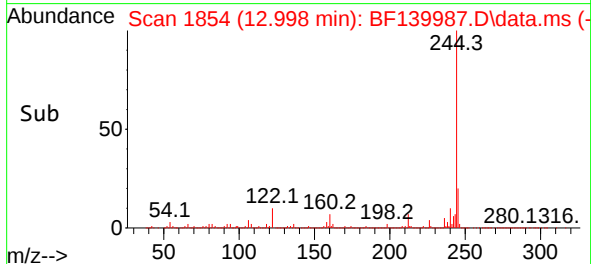
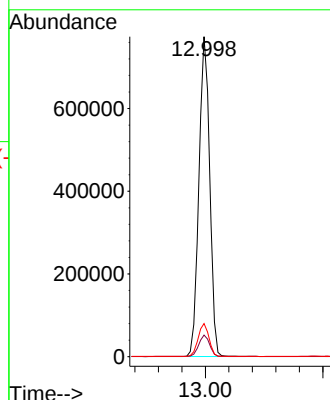
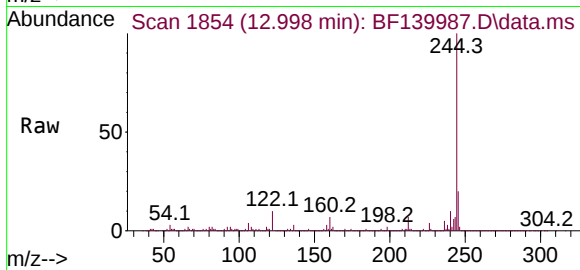
Tgt Ion:244 Resp: 984172

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 10.4 8.6 13.0



#81

Benzo(a)anthracene

Concen: 2.100 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF139987.D

Acq: 24 Oct 2024 02:06

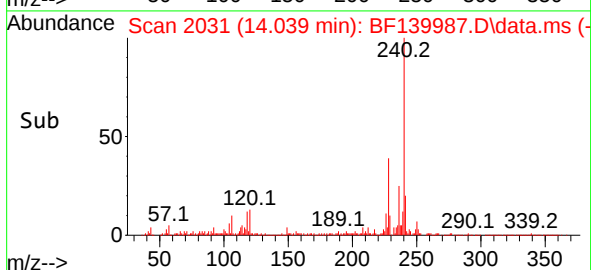
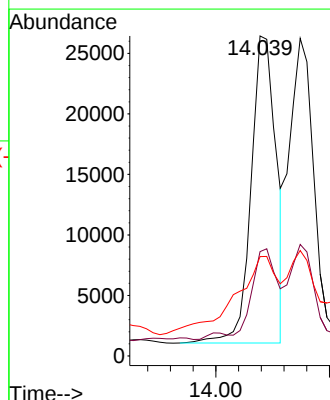
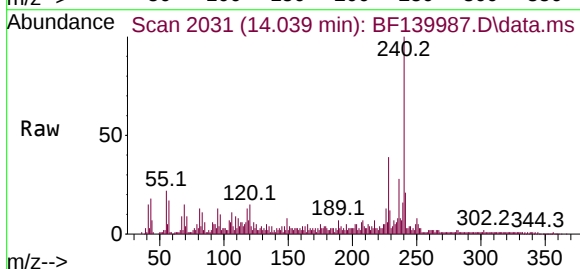
Tgt Ion:228 Resp: 38883

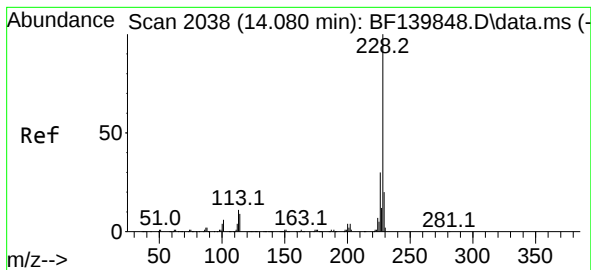
Ion Ratio Lower Upper

228 100

226 32.6 21.6 32.4#

229 31.1 16.1 24.1#





#83

Chrysene

Concen: 2.195 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF139987.D

Acq: 24 Oct 2024 02:06

Instrument :

BNA_F

ClientSampleId :

EO-03-102224

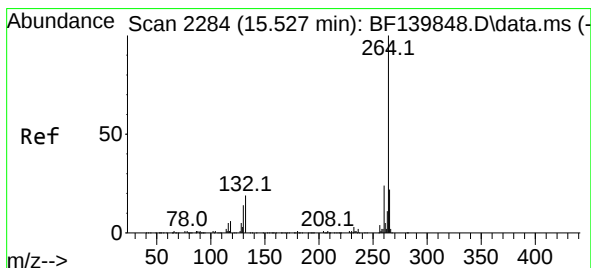
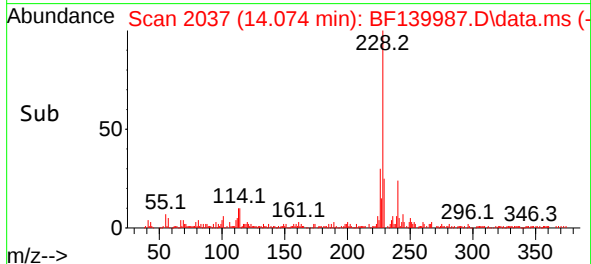
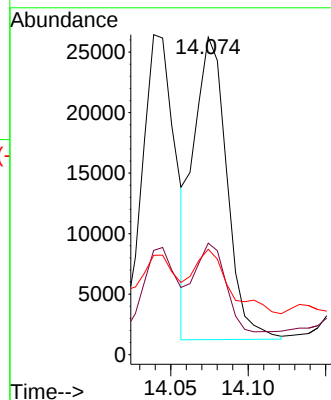
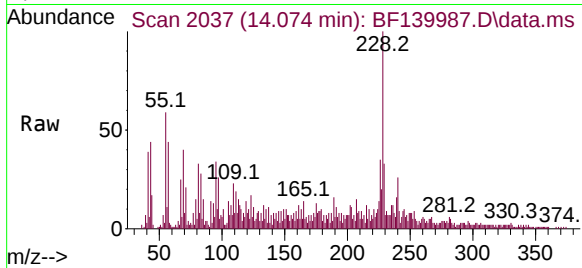
Tgt Ion:228 Resp: 37261

Ion Ratio Lower Upper

228 100

226 35.1 24.1 36.1

229 33.2 15.8 23.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF139987.D

Acq: 24 Oct 2024 02:06

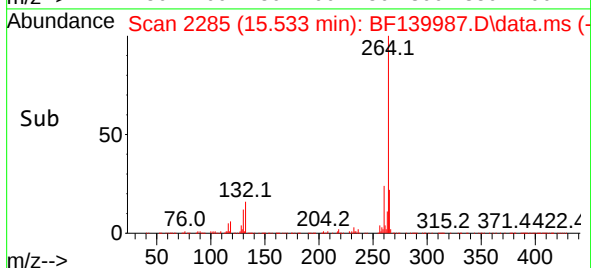
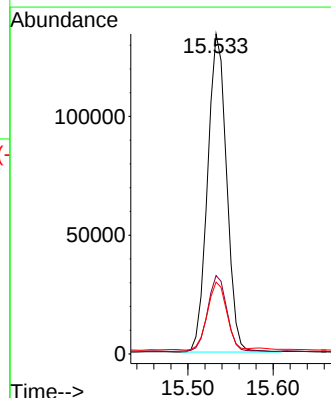
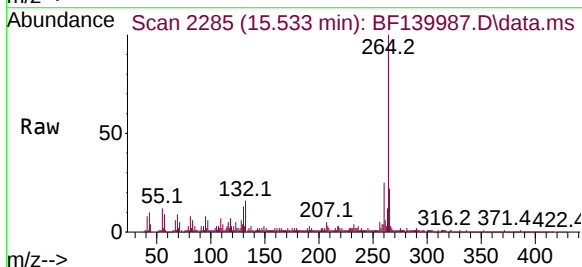
Tgt Ion:264 Resp: 208018

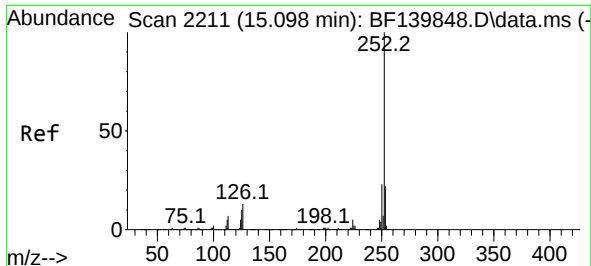
Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 22.5 17.4 26.0

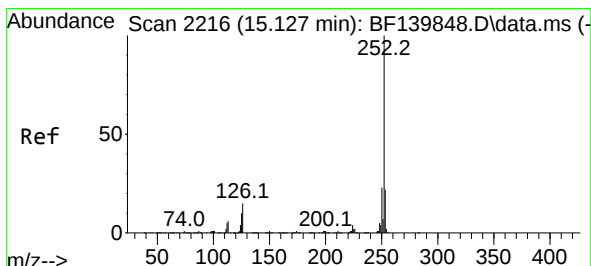
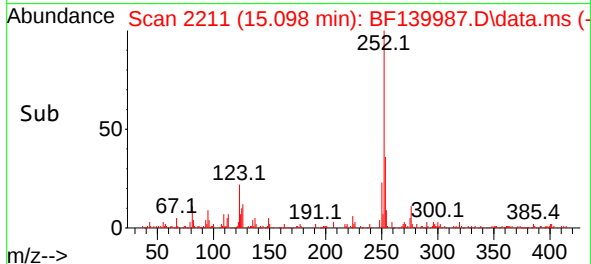
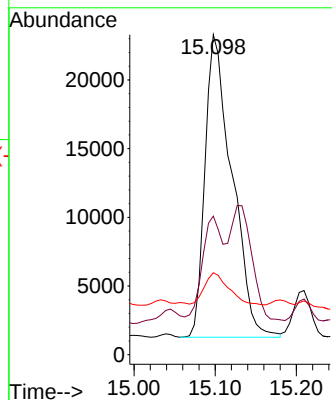
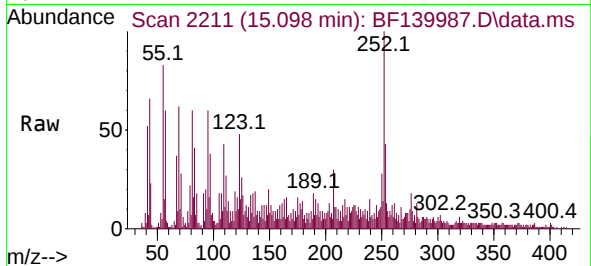




#88
Benzo(b)fluoranthene
Concen: 4.003 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.000 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

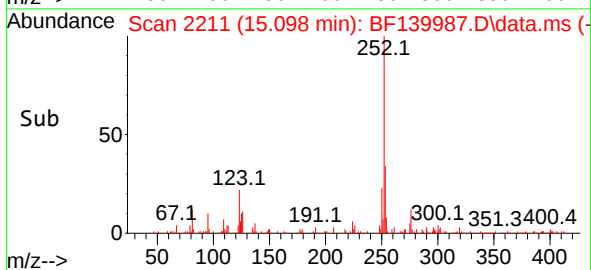
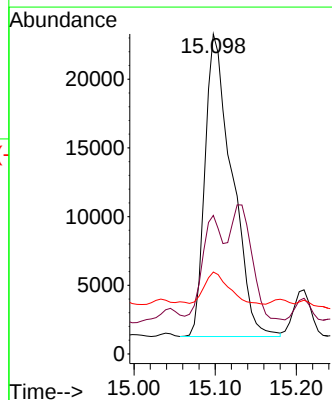
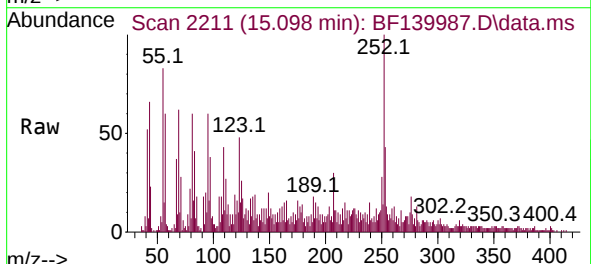
Instrument :
BNA_F
ClientSampleId :
EO-03-102224

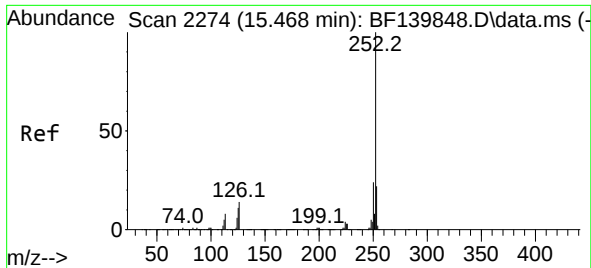
Tgt Ion:252 Resp: 50723
Ion Ratio Lower Upper
252 100
253 43.3 17.6 26.4#
125 25.6 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 4.641 ng
RT: 15.098 min Scan# 2211
Delta R.T. -0.029 min
Lab File: BF139987.D
Acq: 24 Oct 2024 02:06

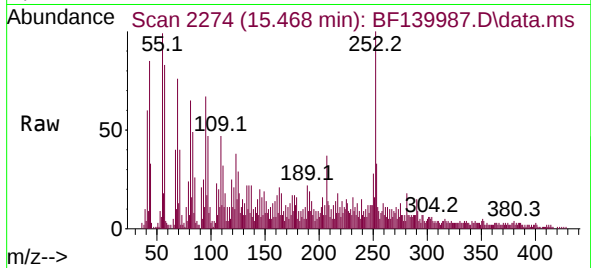
Tgt Ion:252 Resp: 50723
Ion Ratio Lower Upper
252 100
253 43.3 17.6 26.4#
125 25.6 7.9 11.9#





#90
 Benzo(a)pyrene
 Concen: 2.456 ng
 RT: 15.468 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF139987.D
 Acq: 24 Oct 2024 02:06

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-102224



Tgt Ion:252 Resp: 25612
 Ion Ratio Lower Upper
 252 100
 253 32.6 17.3 25.9#
 125 29.2 8.7 13.1#

