

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
 Data File : BF140699.D
 Acq On : 02 Dec 2024 19:49
 Operator : RC/JU
 Sample : P5045-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11222024

Quant Time: Dec 03 00:06:02 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

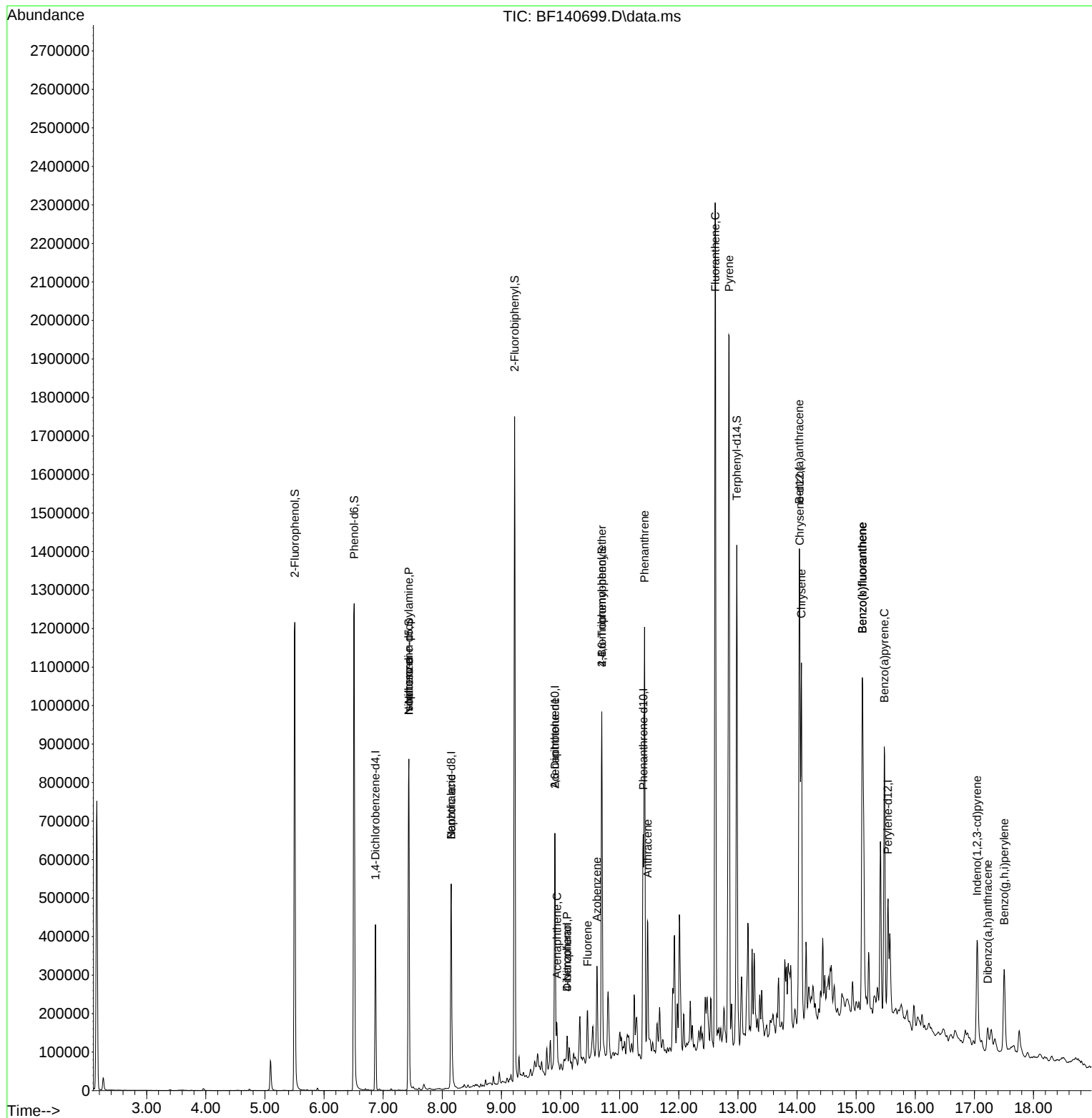
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	91280	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	348470	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	187361	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	311278	20.000	ng	0.00
76) Chrysene-d12	14.045	240	178689	20.000	ng	0.00
86) Perylene-d12	15.539	264	166236	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	488247	91.263	ng	0.00
7) Phenol-d6	6.510	99	642428	90.833	ng	0.00
23) Nitrobenzene-d5	7.434	82	413166	60.647	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	156164	77.932	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	767108	61.002	ng	-0.01
79) Terphenyl-d14	12.980	244	620428	54.065	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	54467	13.031	ng	# 75
25) Isophorone	7.434	82	406983	35.817	ng	# 66
32) Benzoic acid	8.151	122	56	7.207	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	25305	9.042	ng	# 21
52) Acenaphthene	9.939	154	36538	3.591	ng	97
55) Dibenzofuran	10.110	168	34630	2.231	ng	# 95
56) 4-Nitrophenol	10.110	139	14317	7.670	ng	# 8
58) Fluorene	10.457	166	52583	4.221	ng	96
63) Azobenzene	10.616	77	55221	4.651	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	9966	3.109	ng	# 1
71) Phenanthrene	11.422	178	574660	38.406	ng	100
72) Anthracene	11.475	178	209621	14.322	ng	99
75) Fluoranthene	12.616	202	1304146	80.276	ng	98
78) Pyrene	12.851	202	1159912	70.204	ng	99
81) Benzo(a)anthracene	14.039	228	617702	52.222	ng	96
83) Chrysene	14.074	228	467198	43.196	ng	98
87) Indeno(1,2,3-cd)pyrene	17.045	276	204681	18.893	ng	99
88) Benzo(b)fluoranthene	15.104	252	808088	77.392	ng	97
89) Benzo(k)fluoranthene	15.104	252	808088	88.439	ng	# 97
90) Benzo(a)pyrene	15.474	252	423406	49.872	ng	97
91) Dibenzo(a,h)anthracene	17.227	278	41437	4.670	ng	96
92) Benzo(g,h,i)perylene	17.504	276	195651	21.610	ng	97

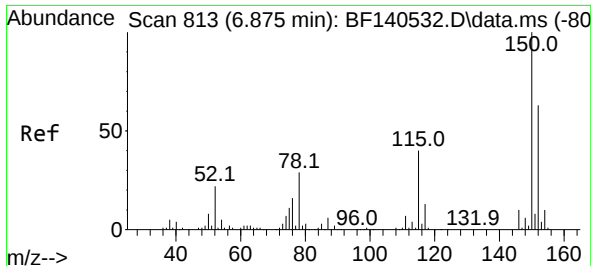
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120224\
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ALS Vial : 23 Sample Multiplier: 1

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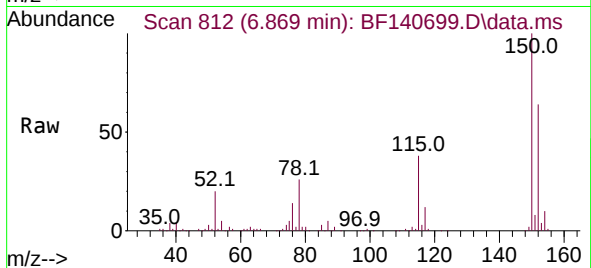
Quant Time: Dec 03 00:06:02 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration



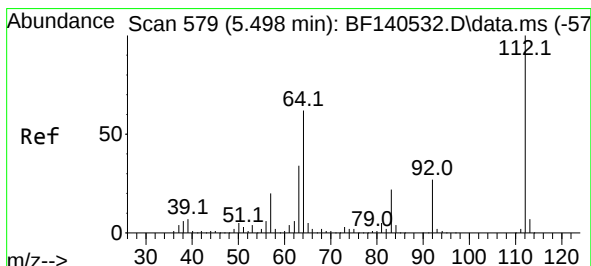
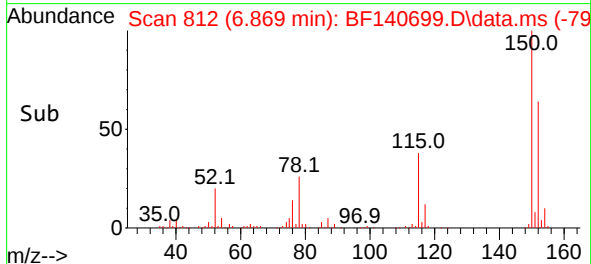
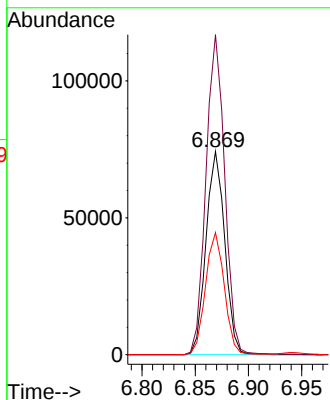


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

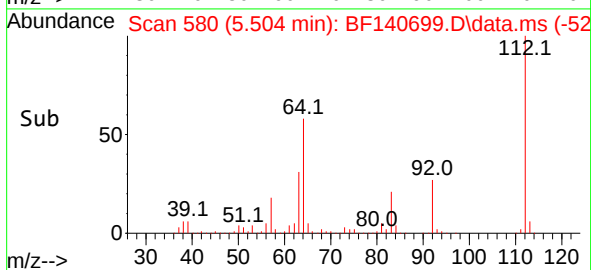
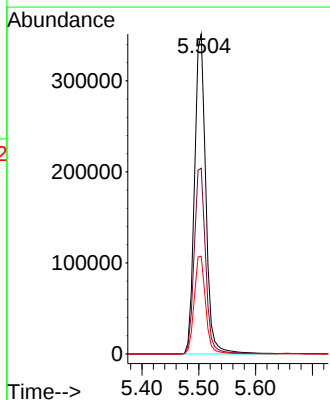
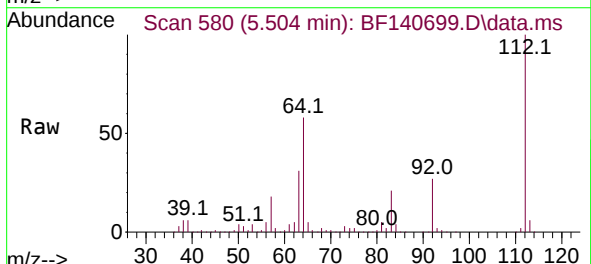


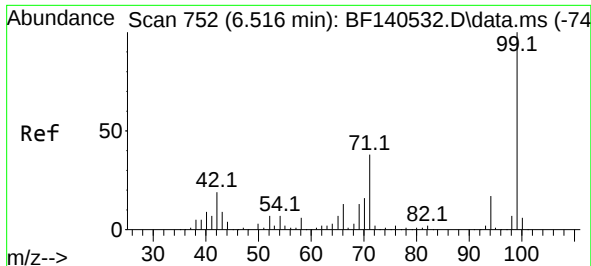
Tgt Ion:152 Resp: 91280
Ion Ratio Lower Upper
152 100
150 157.5 128.5 192.7
115 60.1 50.2 75.4



#5
2-Fluorophenol
Concen: 91.263 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:112 Resp: 488247
Ion Ratio Lower Upper
112 100
64 58.0 49.2 73.8
63 30.6 27.0 40.4





#7

Phenol-d6

Concen: 90.833 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024

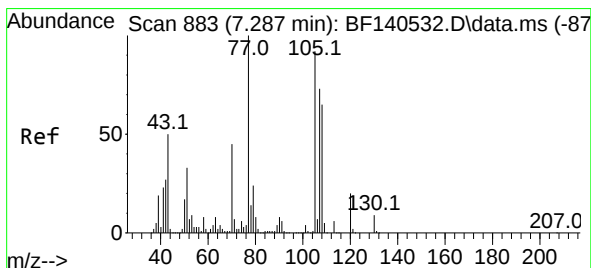
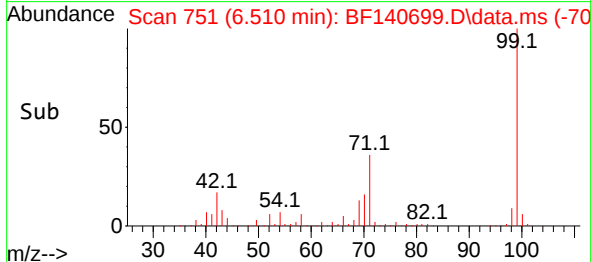
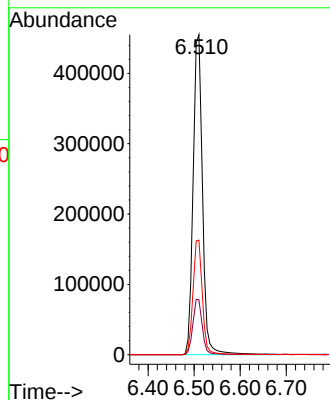
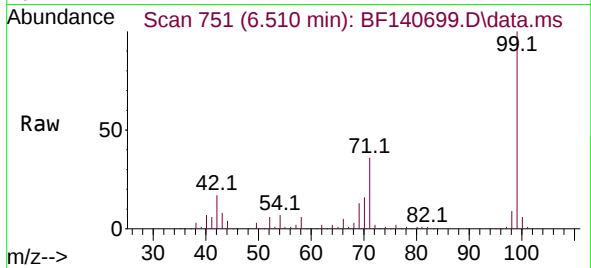
Tgt Ion: 99 Resp: 642428

Ion Ratio Lower Upper

99 100

42 17.1 15.4 23.0

71 35.8 30.6 46.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.031 ng

RT: 7.434 min Scan# 908

Delta R.T. 0.147 min

Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

Tgt Ion: 70 Resp: 54467

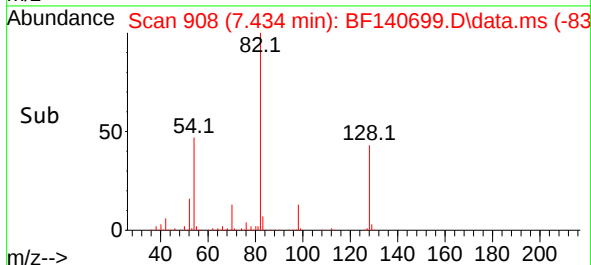
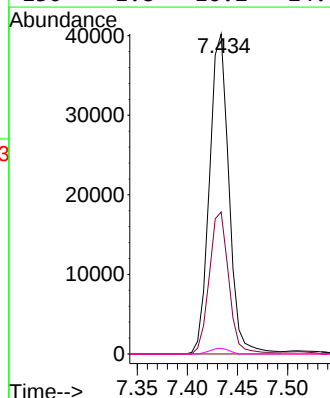
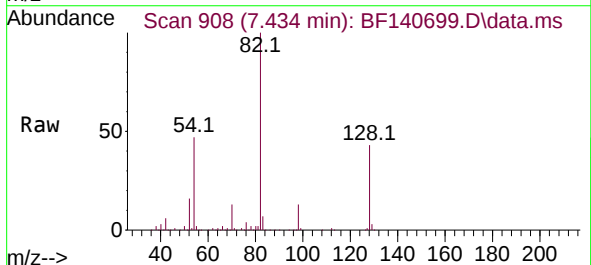
Ion Ratio Lower Upper

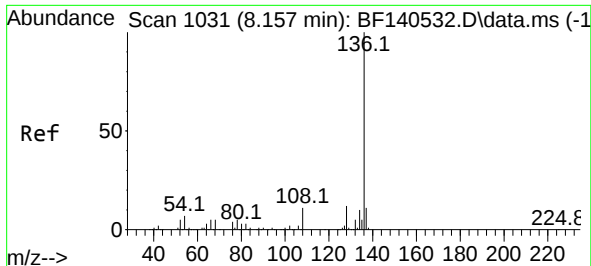
70 100

42 44.3 47.6 71.4#

101 0.0 7.6 11.4#

130 1.8 16.2 24.4#



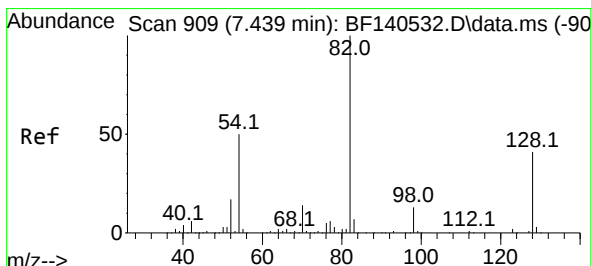
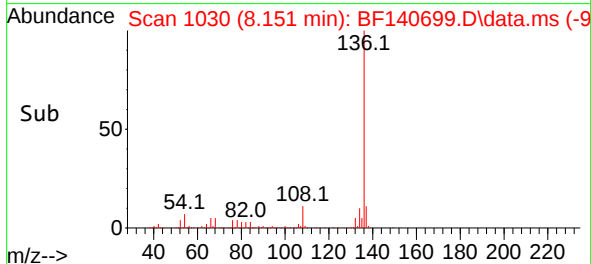
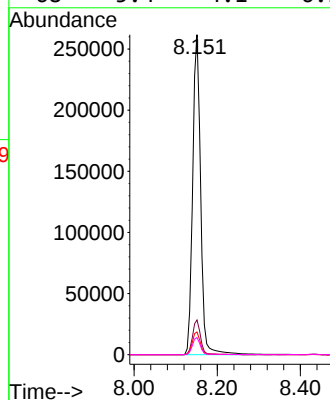
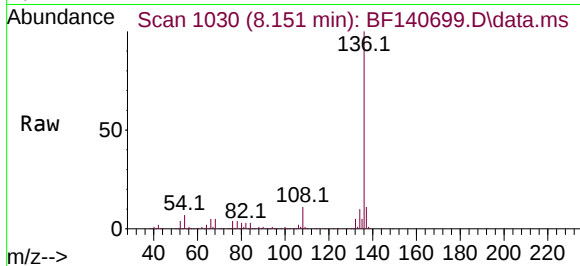


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

Tgt Ion:136 Resp: 348470

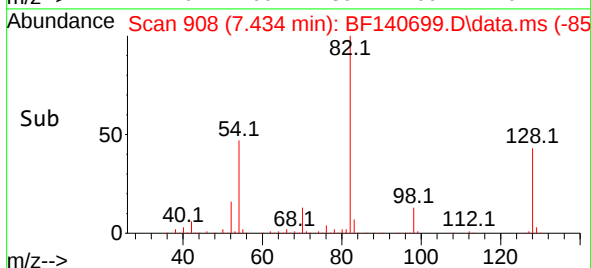
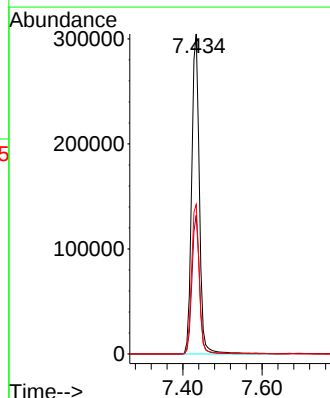
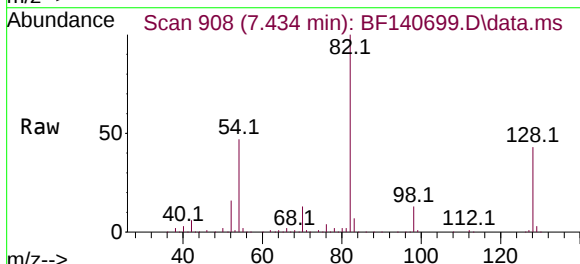
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.1	5.8	8.8
68	5.4	4.1	6.1

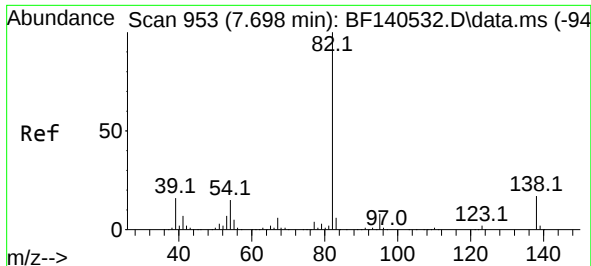


#23
Nitrobenzene-d5
Concen: 60.647 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion: 82 Resp: 413166

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.0	49.4
54	46.7	39.5	59.3

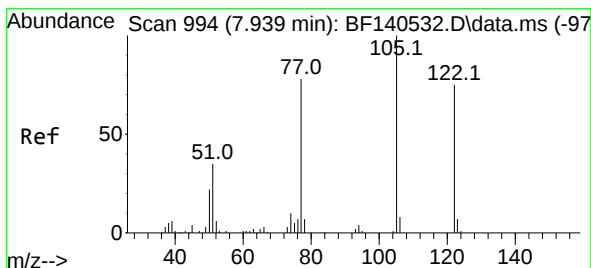
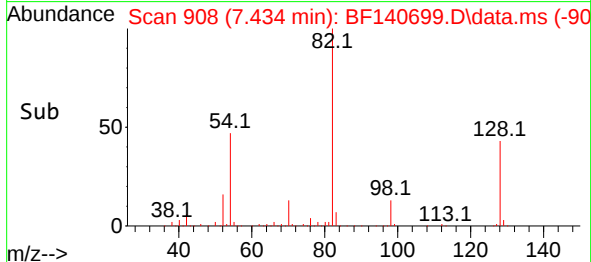
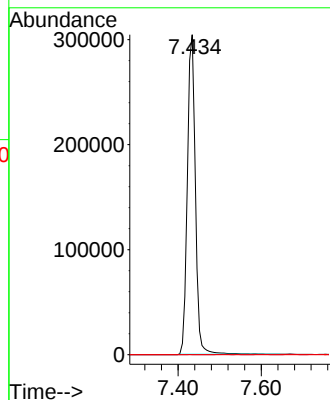
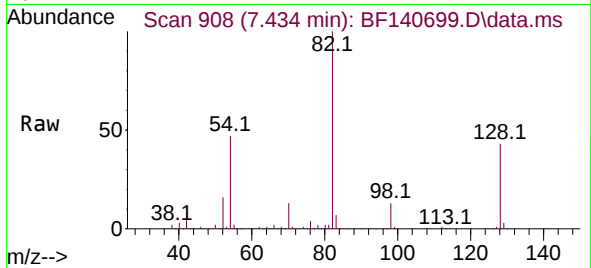




#25
Isophorone
Concen: 35.817 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

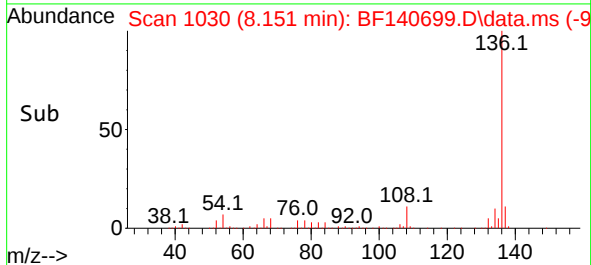
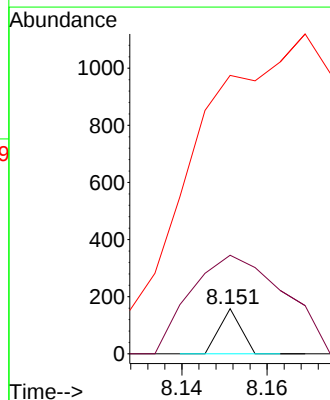
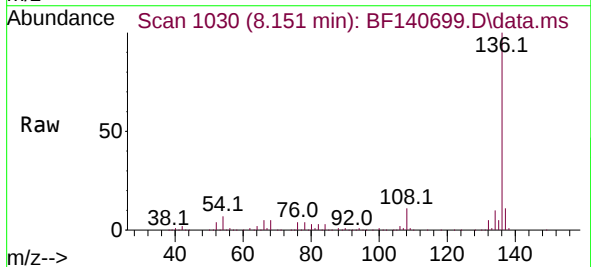
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

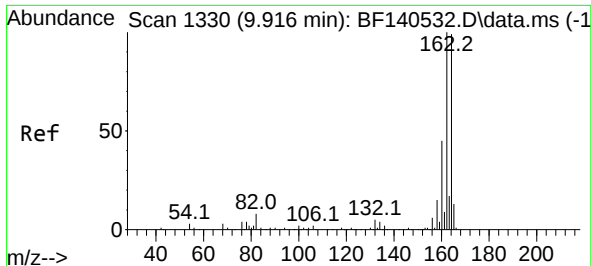
Tgt Ion: 82 Resp: 406983
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#32
Benzoic acid
Concen: 7.207 ng
RT: 8.151 min Scan# 1030
Delta R.T. 0.212 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 218.4 109.3 149.3#
77 617.1 82.3 122.3#

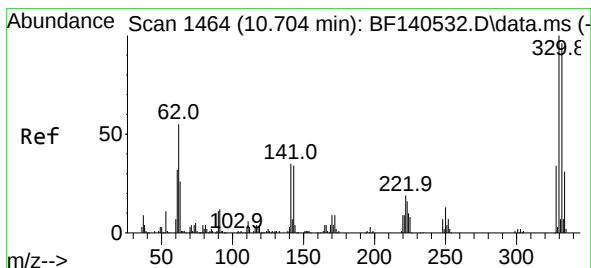
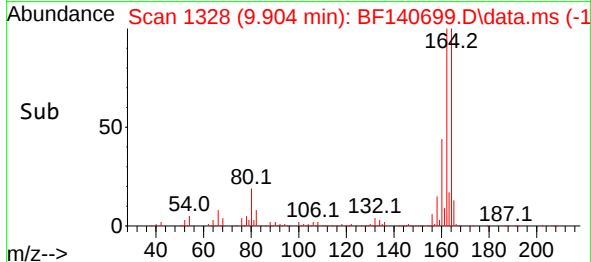
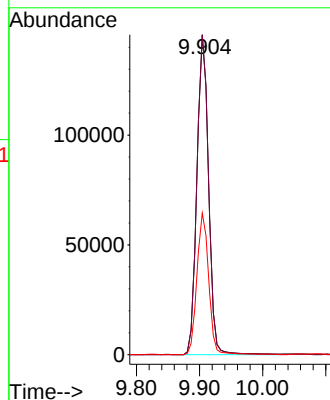
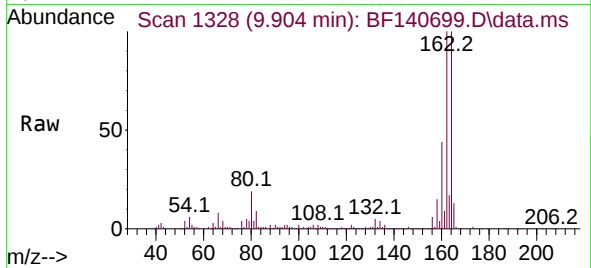




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

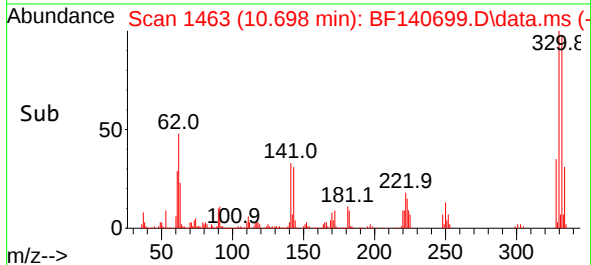
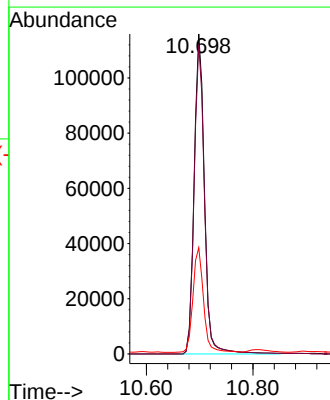
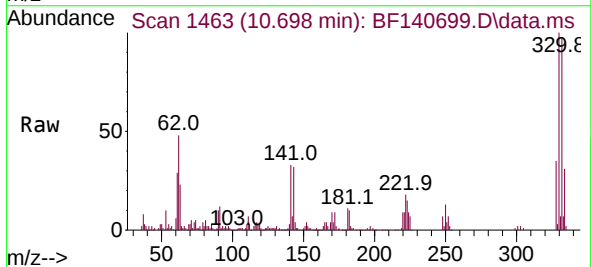
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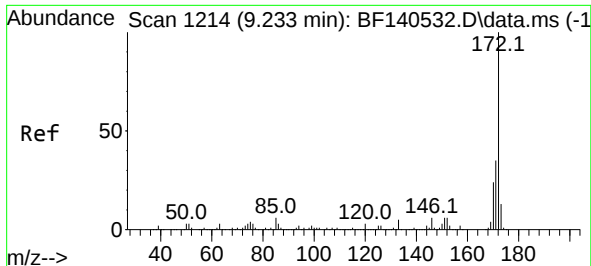
Tgt Ion:164 Resp: 187361
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 44.2 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 77.932 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:330 Resp: 156164
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 33.5 26.7 40.1

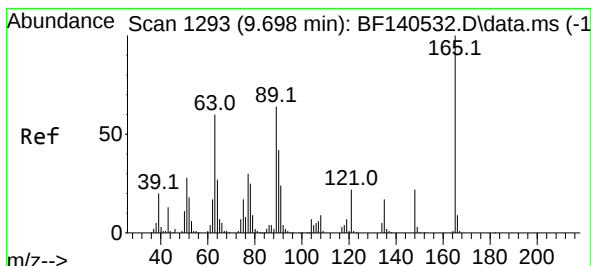
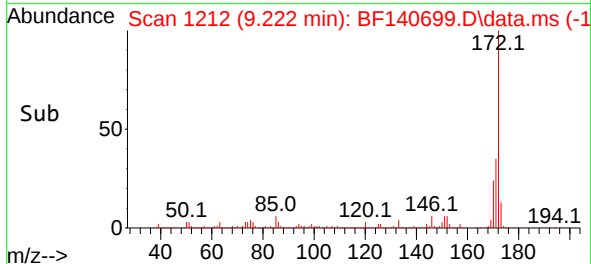
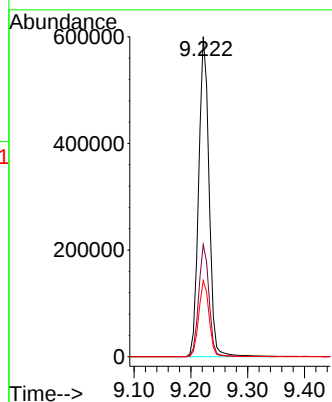
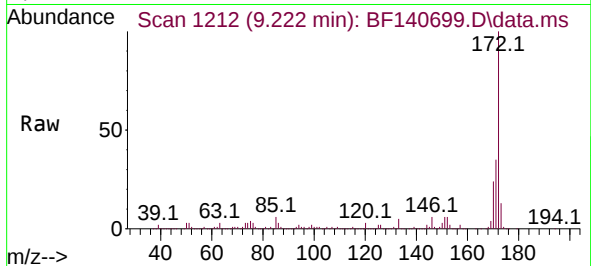




#45
2-Fluorobiphenyl
Concen: 61.002 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

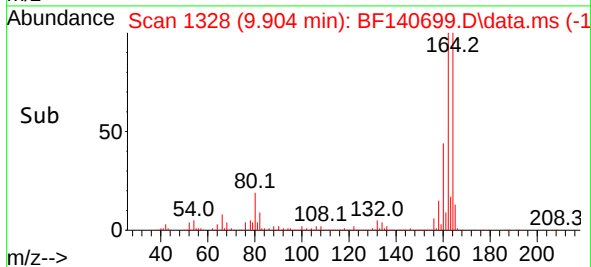
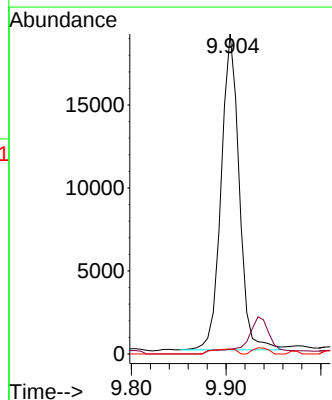
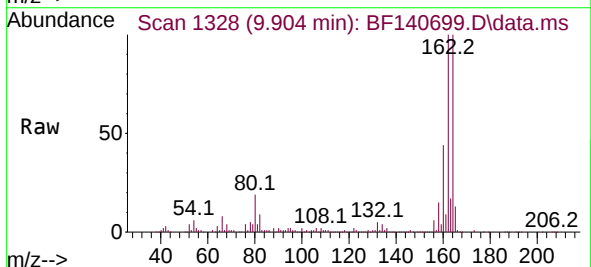
Instrument :
BNA_F
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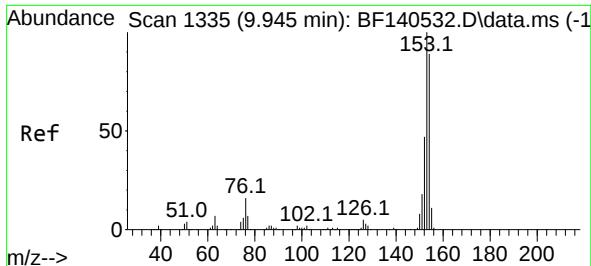
Tgt Ion:172 Resp: 767108
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.7 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.042 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:165 Resp: 25305
Ion Ratio Lower Upper
165 100
63 1.5 49.9 74.9#
89 1.5 50.9 76.3#

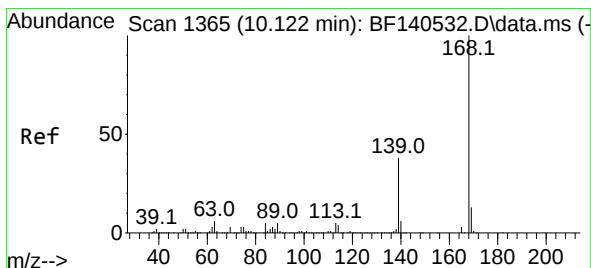
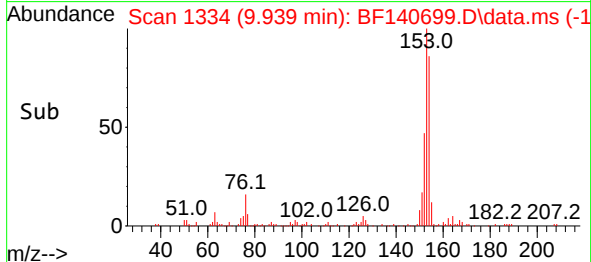
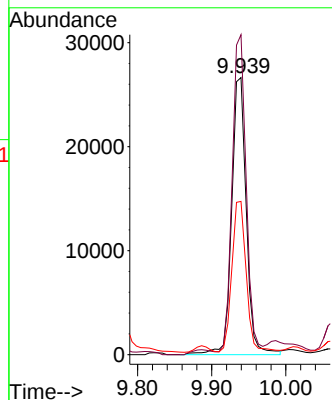
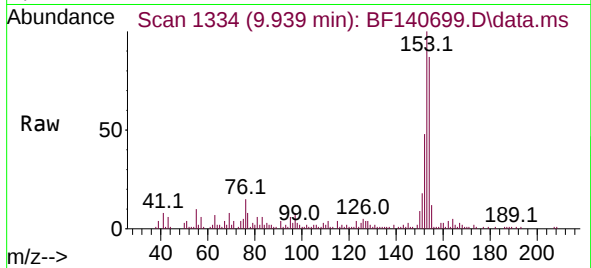




#52
Acenaphthene
Concen: 3.591 ng
RT: 9.939 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

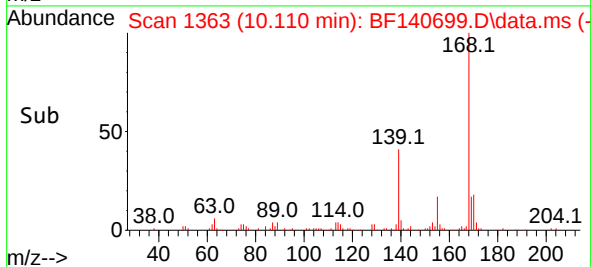
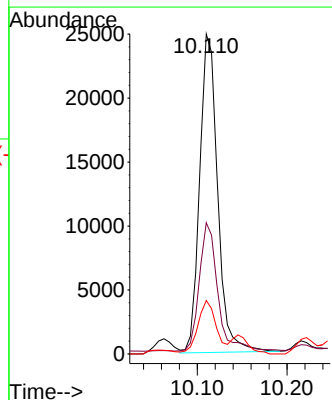
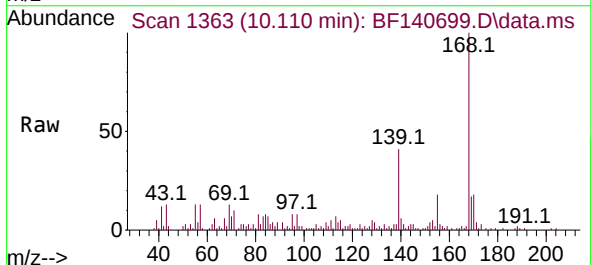
Instrument :
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SU-04-11222024

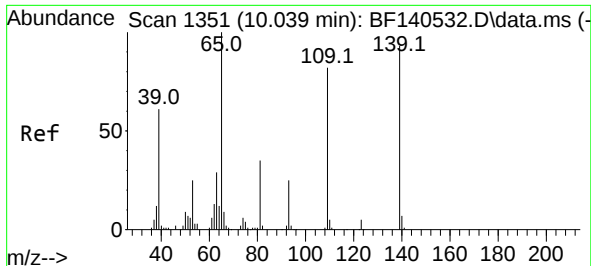
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Ion Ratio Lower Upper
154 100
153 115.5 89.7 134.5
152 55.3 42.5 63.7



#55
Dibenzofuran
Concen: 2.231 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:168 Resp: 34630
Ion Ratio Lower Upper
168 100
139 41.0 31.3 46.9
169 16.7 10.5 15.7#

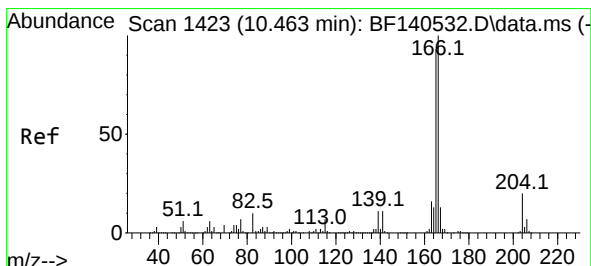
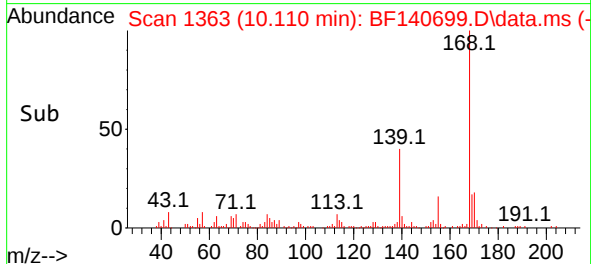
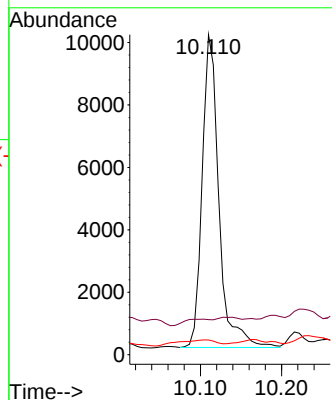
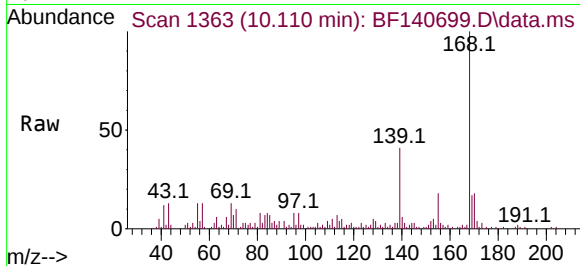




#56
4-Nitrophenol
Concen: 7.670 ng
RT: 10.110 min Scan# 1351
Delta R.T. 0.071 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

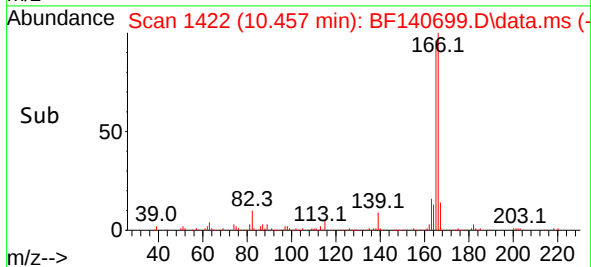
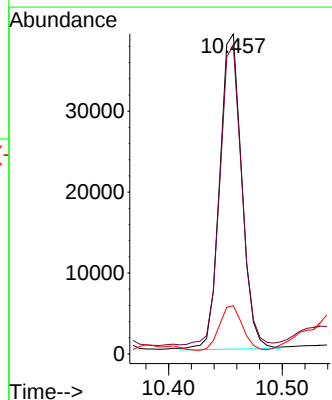
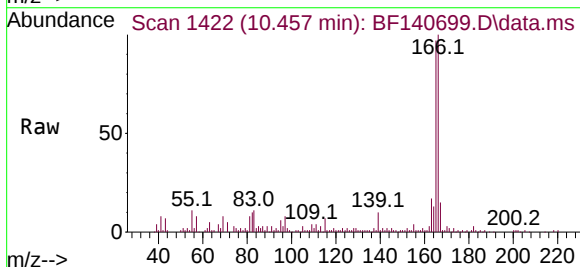
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

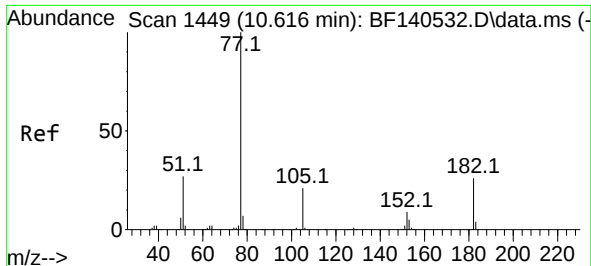
Tgt Ion:139 Resp: 14317
Ion Ratio Lower Upper
139 100
109 11.0 68.4 108.4#
65 4.6 88.6 128.6#



#58
Fluorene
Concen: 4.221 ng
RT: 10.457 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:166 Resp: 52583
Ion Ratio Lower Upper
166 100
165 96.5 74.6 111.8
167 15.1 10.6 16.0

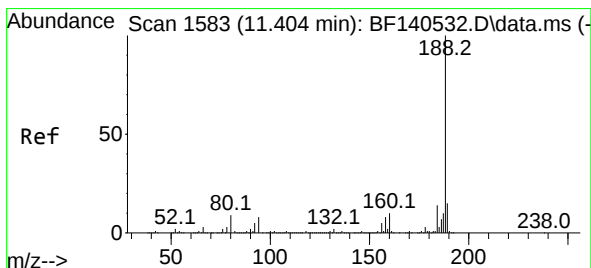
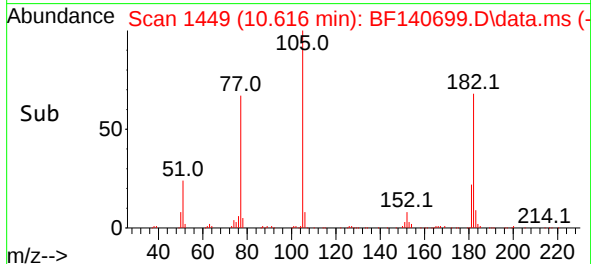
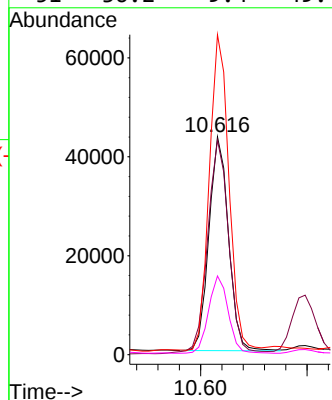
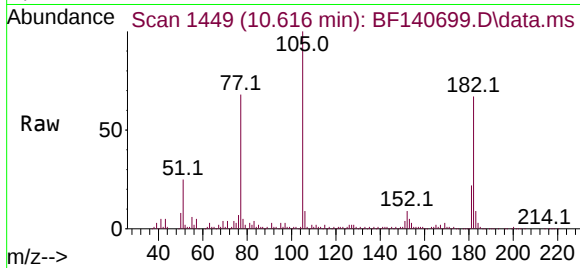




#63
Azobenzene
Concen: 4.651 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

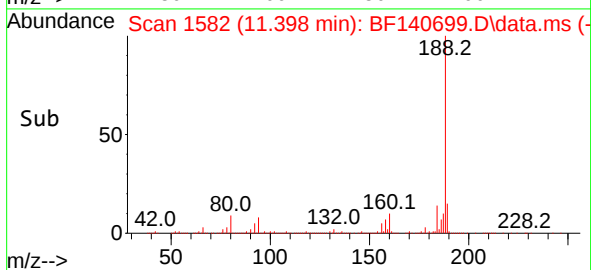
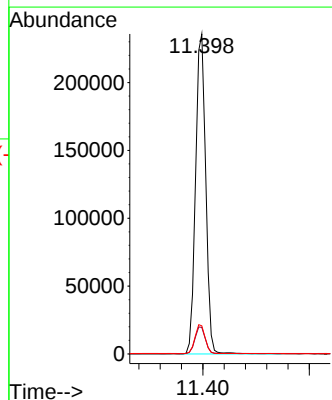
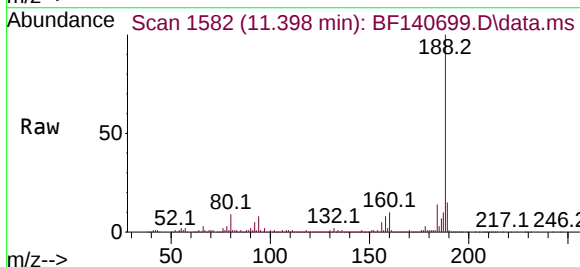
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

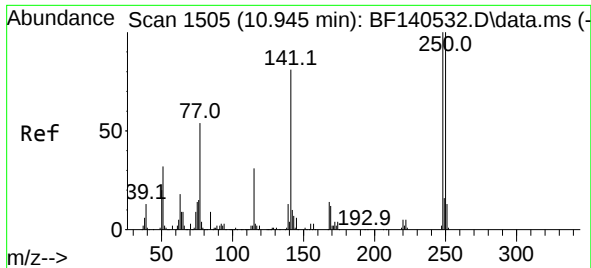
Tgt Ion: 77	Resp: 55221
Ion Ratio	Lower Upper
77 100	
182 98.5	5.3 45.3#
105 146.9	0.3 40.3#
51 36.2	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion: 188	Resp: 311278
Ion Ratio	Lower Upper
188 100	
94 8.3	6.4 9.6
80 8.8	6.9 10.3

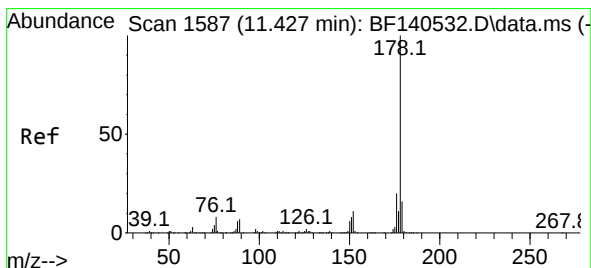
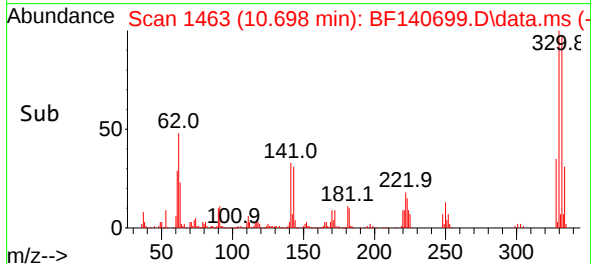
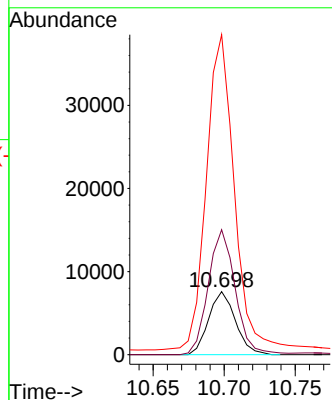
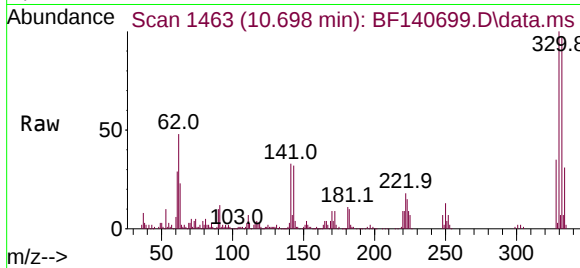




#67
4-Bromophenyl-phenylether
Concen: 3.109 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

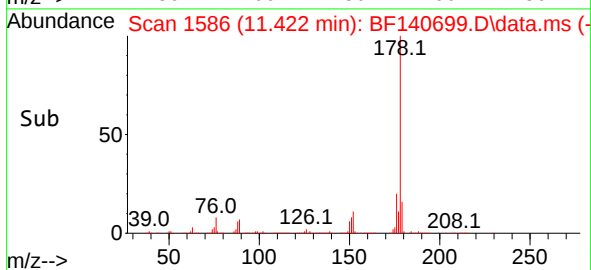
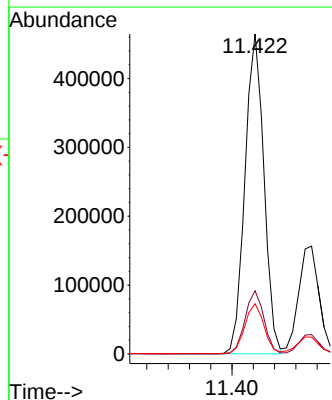
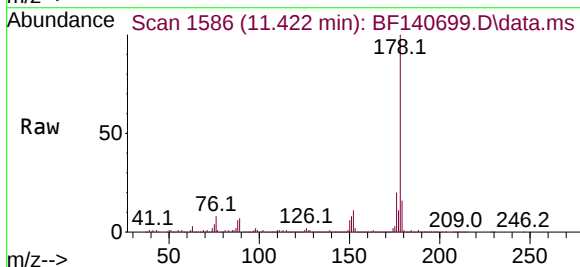
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

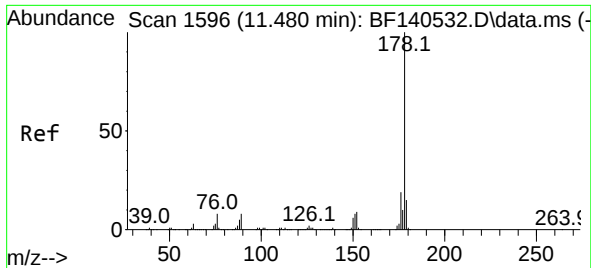
Tgt Ion:248 Resp: 9966
Ion Ratio Lower Upper
248 100
250 198.2 79.8 119.8#
141 507.7 64.7 97.1#



#71
Phenanthrene
Concen: 38.406 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:178 Resp: 574660
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.6
179 15.7 12.4 18.6

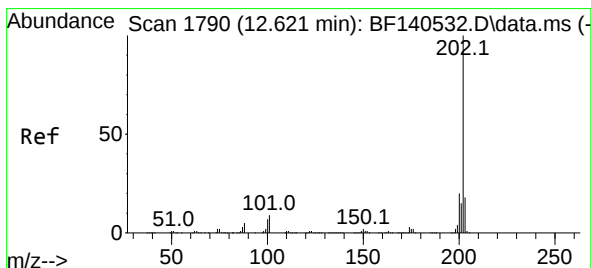
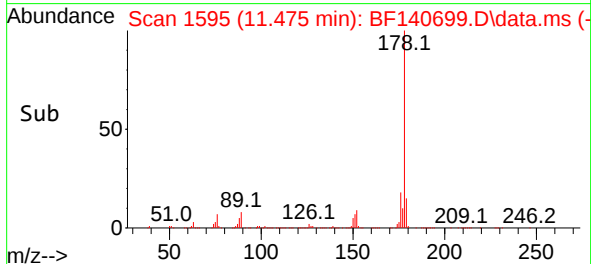
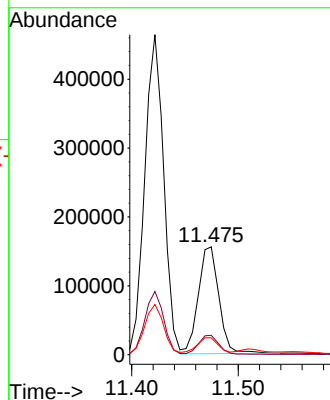
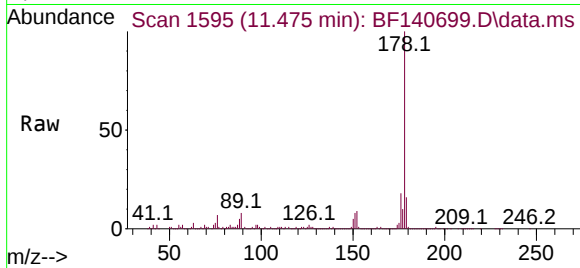




#72
 Anthracene
 Concen: 14.322 ng
 RT: 11.475 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140699.D
 Acq: 02 Dec 2024 19:49

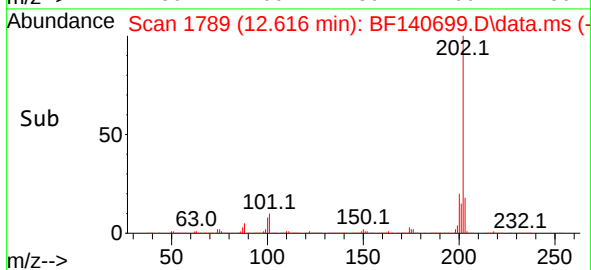
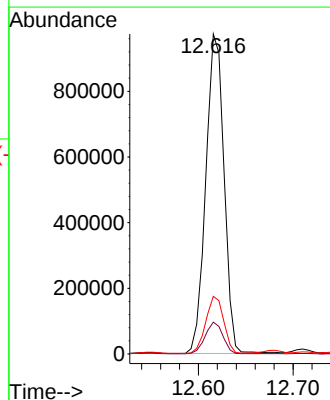
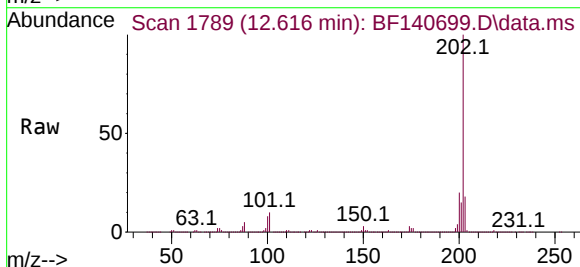
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11222024

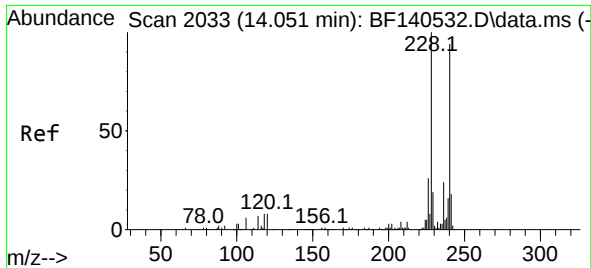
Tgt Ion:178 Resp: 209621
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.0 22.4
 179 15.6 12.2 18.4



#75
 Fluoranthene
 Concen: 80.276 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF140699.D
 Acq: 02 Dec 2024 19:49

Tgt Ion:202 Resp: 1304146
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 28.9
 203 18.0 0.0 37.6

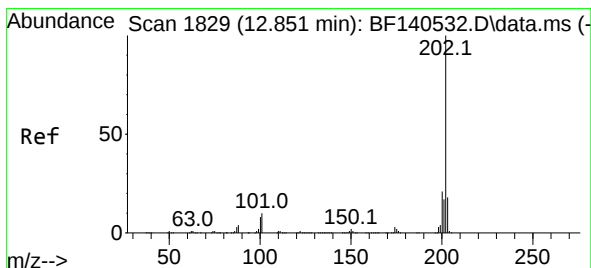
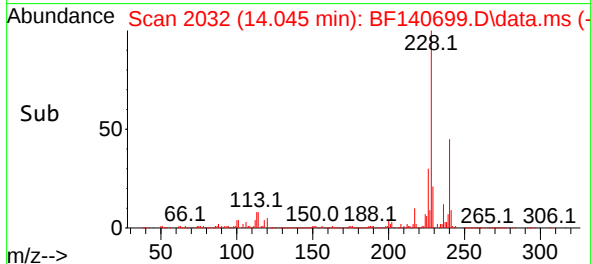
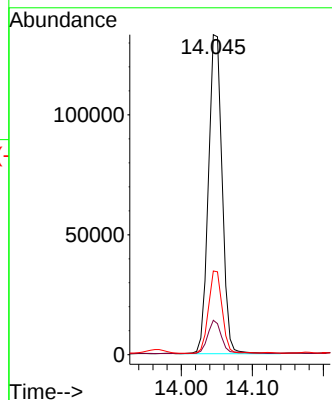
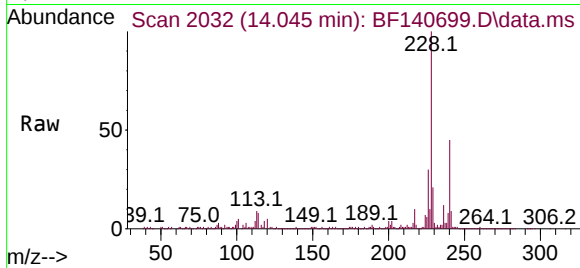




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

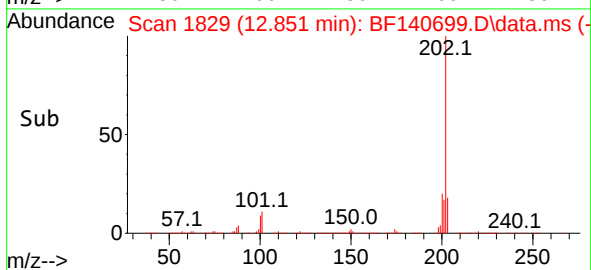
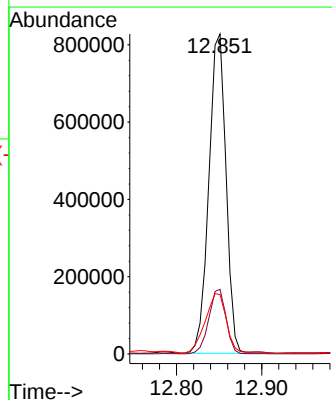
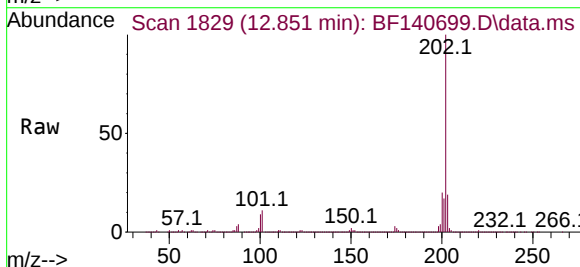
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

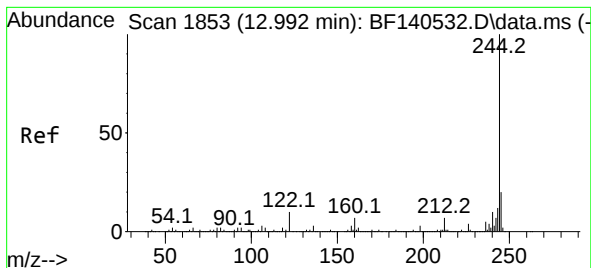
Tgt Ion:240 Resp: 178689
Ion Ratio Lower Upper
240 100
120 10.7 7.3 10.9
236 26.1 20.6 31.0



#78
Pyrene
Concen: 70.204 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:202 Resp: 1159912
Ion Ratio Lower Upper
202 100
200 20.2 16.5 24.7
203 18.5 14.2 21.4





#79

Terphenyl-d14

Concen: 54.065 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024

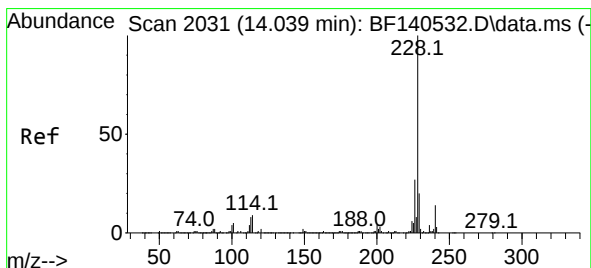
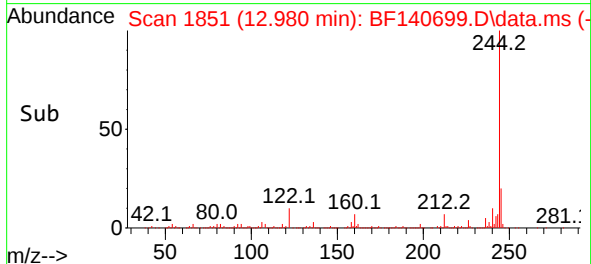
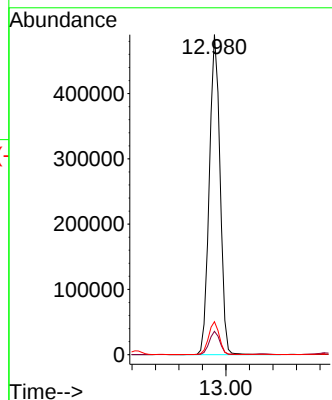
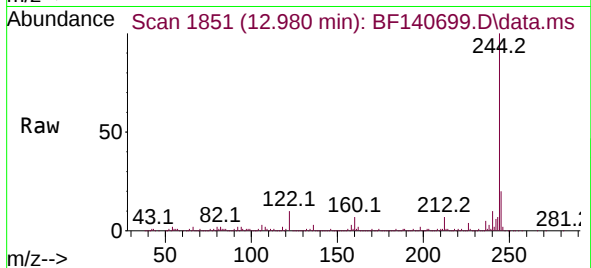
Tgt Ion:244 Resp: 620428

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.8

122 10.3 8.0 12.0



#81

Benzo(a)anthracene

Concen: 52.222 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

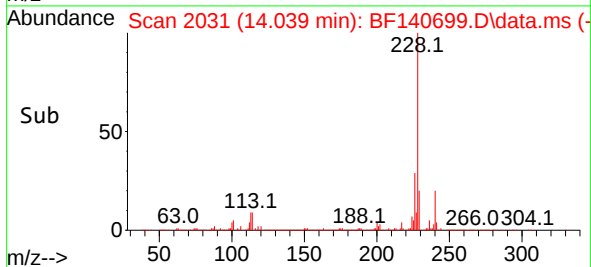
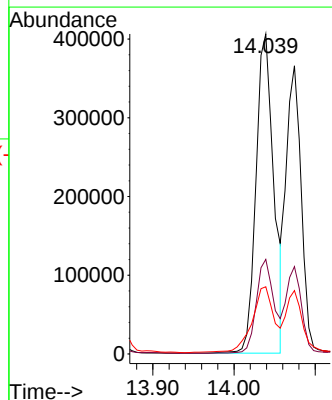
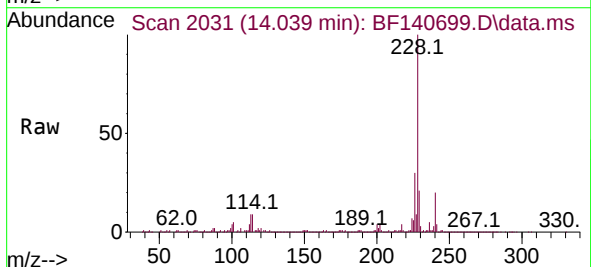
Tgt Ion:228 Resp: 617702

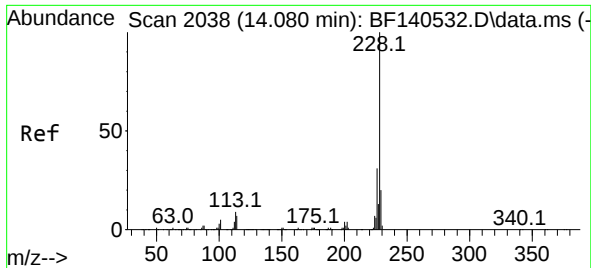
Ion Ratio Lower Upper

228 100

226 29.5 21.8 32.8

229 21.0 15.8 23.6

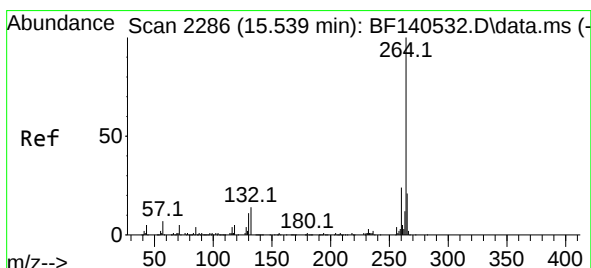
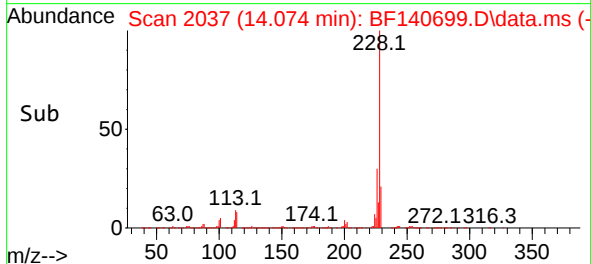
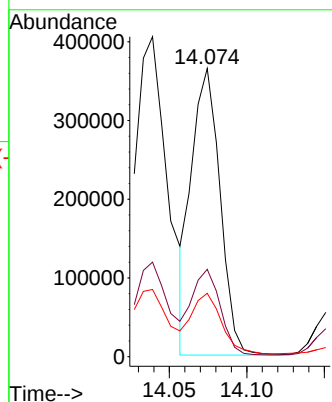
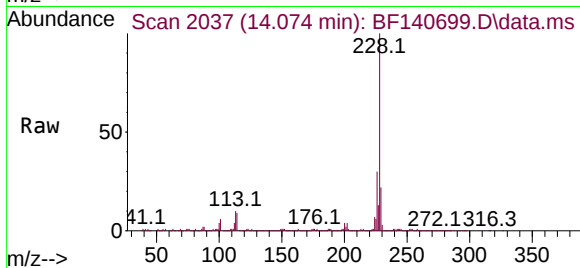




#83
Chrysene
Concen: 43.196 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

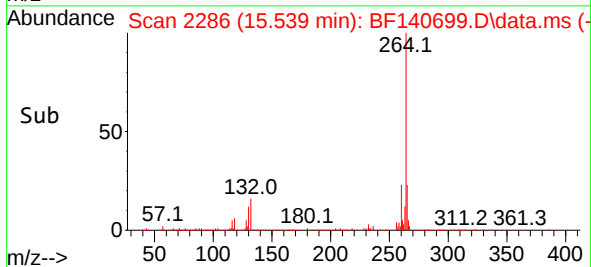
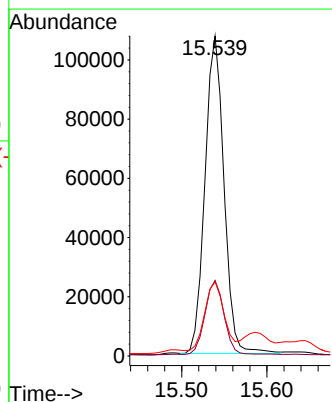
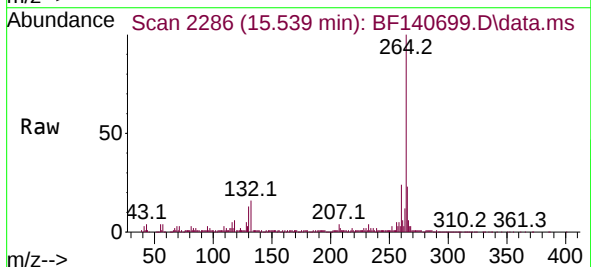
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

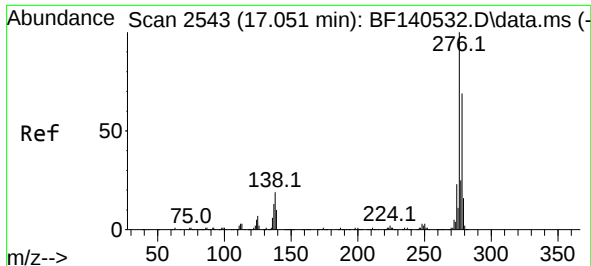
Tgt Ion:228 Resp: 467198
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.0 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:264 Resp: 166236
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 23.1 16.6 25.0

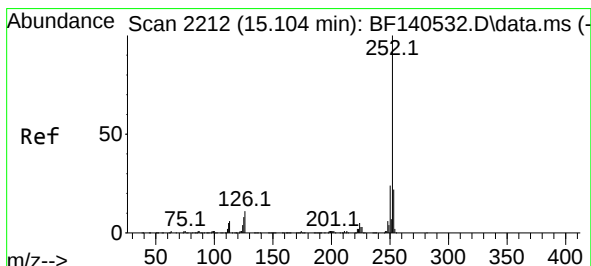
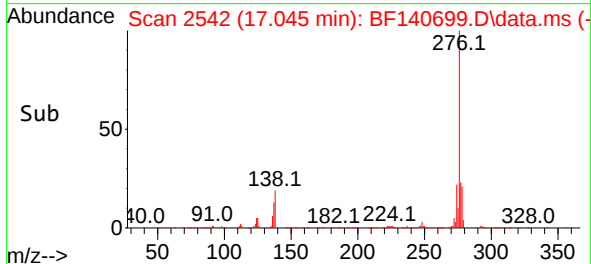
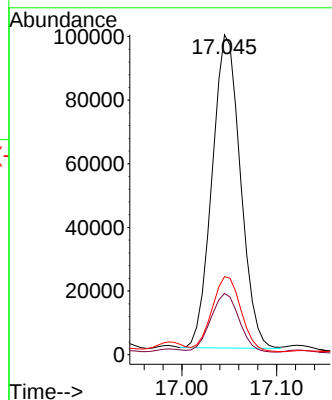
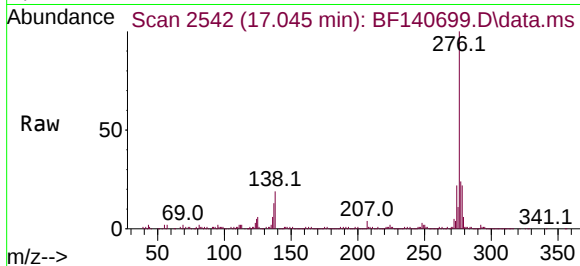




#87
Indeno(1,2,3-cd)pyrene
Concen: 18.893 ng
RT: 17.045 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

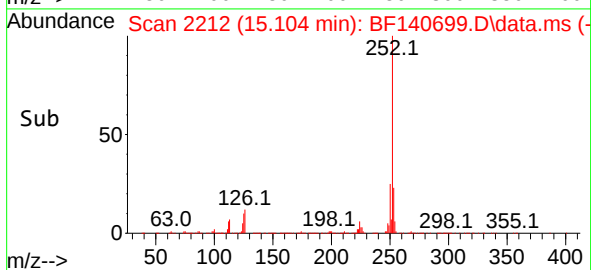
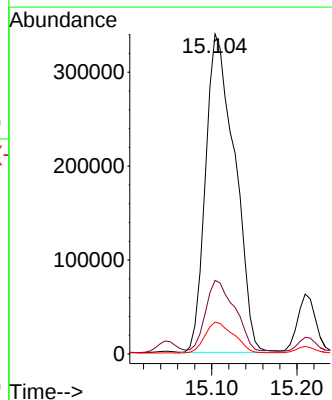
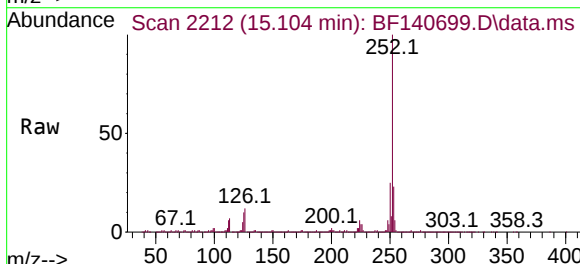
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

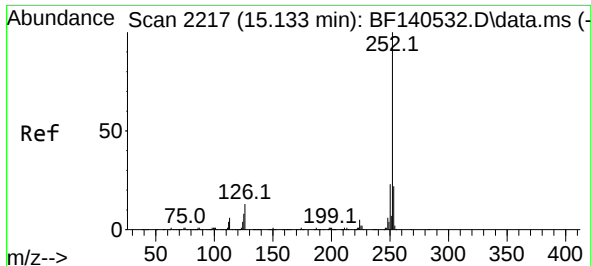
Tgt Ion:276 Resp: 204681
Ion Ratio Lower Upper
276 100
138 18.9 15.5 23.3
277 24.6 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 77.392 ng
RT: 15.104 min Scan# 2212
Delta R.T. 0.000 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:252 Resp: 808088
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 9.9 6.7 10.1

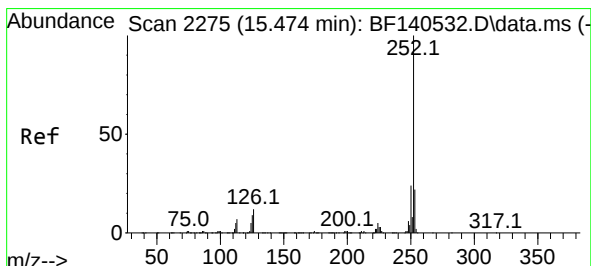
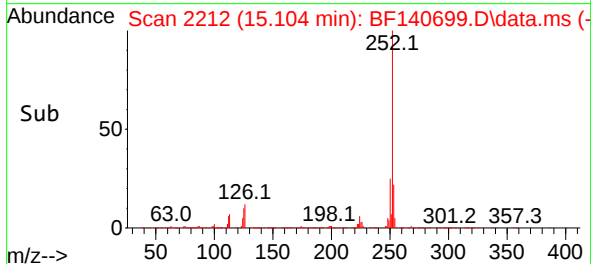
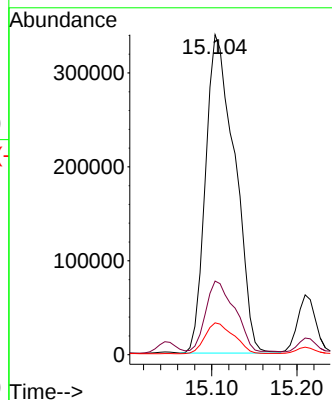
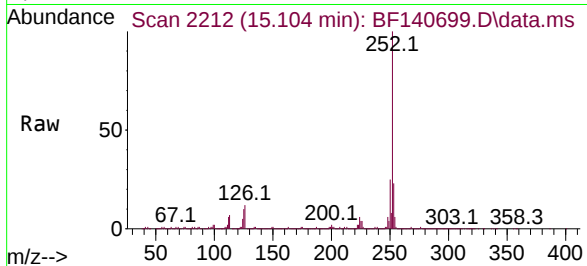




#89
Benzo(k)fluoranthene
Concen: 88.439 ng
RT: 15.104 min Scan# 211
Delta R.T. -0.029 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

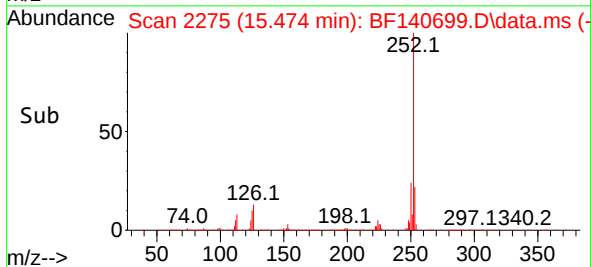
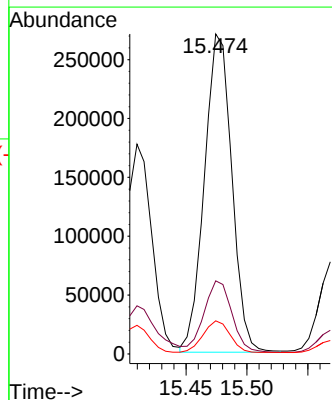
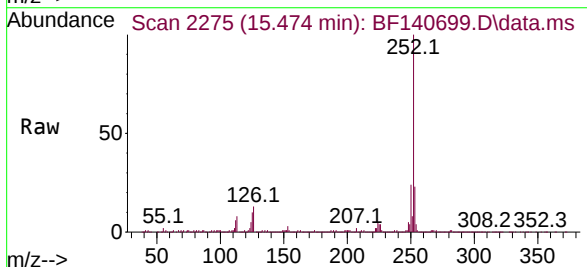
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024

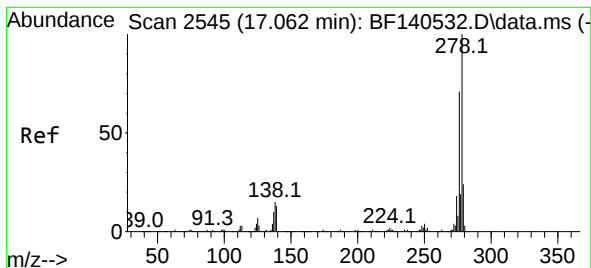
Tgt Ion:252 Resp: 808088
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 9.9 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 49.872 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF140699.D
Acq: 02 Dec 2024 19:49

Tgt Ion:252 Resp: 423406
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 10.4 7.0 10.6





#91

Dibenzo(a,h)anthracene

Concen: 4.670 ng

RT: 17.227 min Scan# 21

Delta R.T. 0.165 min

Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024

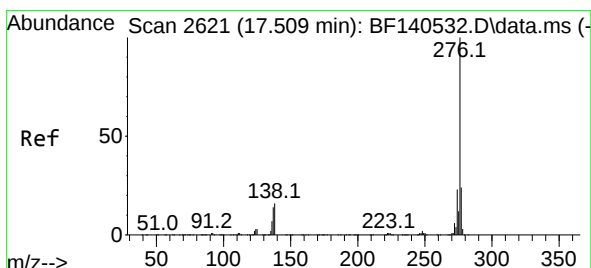
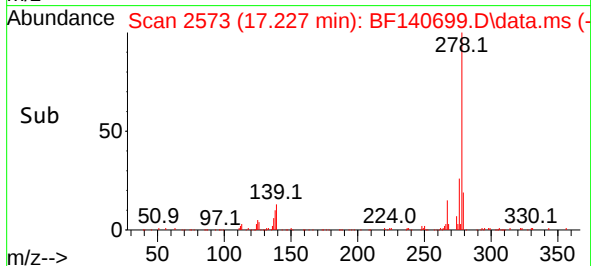
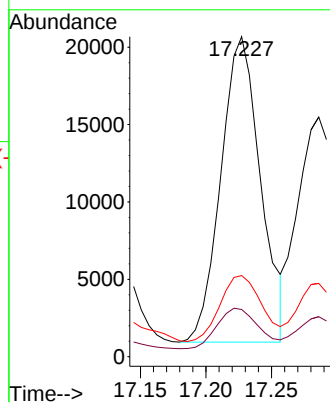
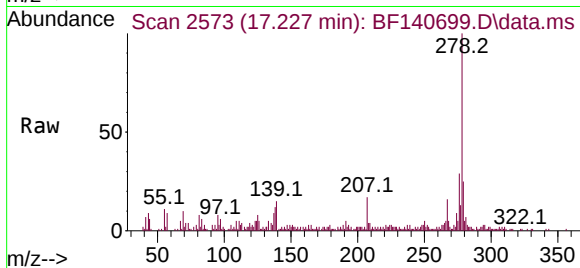
Tgt Ion:278 Resp: 41437

Ion Ratio Lower Upper

278 100

139 14.8 10.2 15.4

279 25.4 18.9 28.3



#92

Benzo(g,h,i)perylene

Concen: 21.610 ng

RT: 17.504 min Scan# 2620

Delta R.T. -0.006 min

Lab File: BF140699.D

Acq: 02 Dec 2024 19:49

Tgt Ion:276 Resp: 195651

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 18.6 13.2 19.8

