

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140716.D
 Acq On : 03 Dec 2024 17:34
 Operator : RC/JU
 Sample : P5045-01DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11222024DL

Quant Time: Dec 03 17:54:09 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)

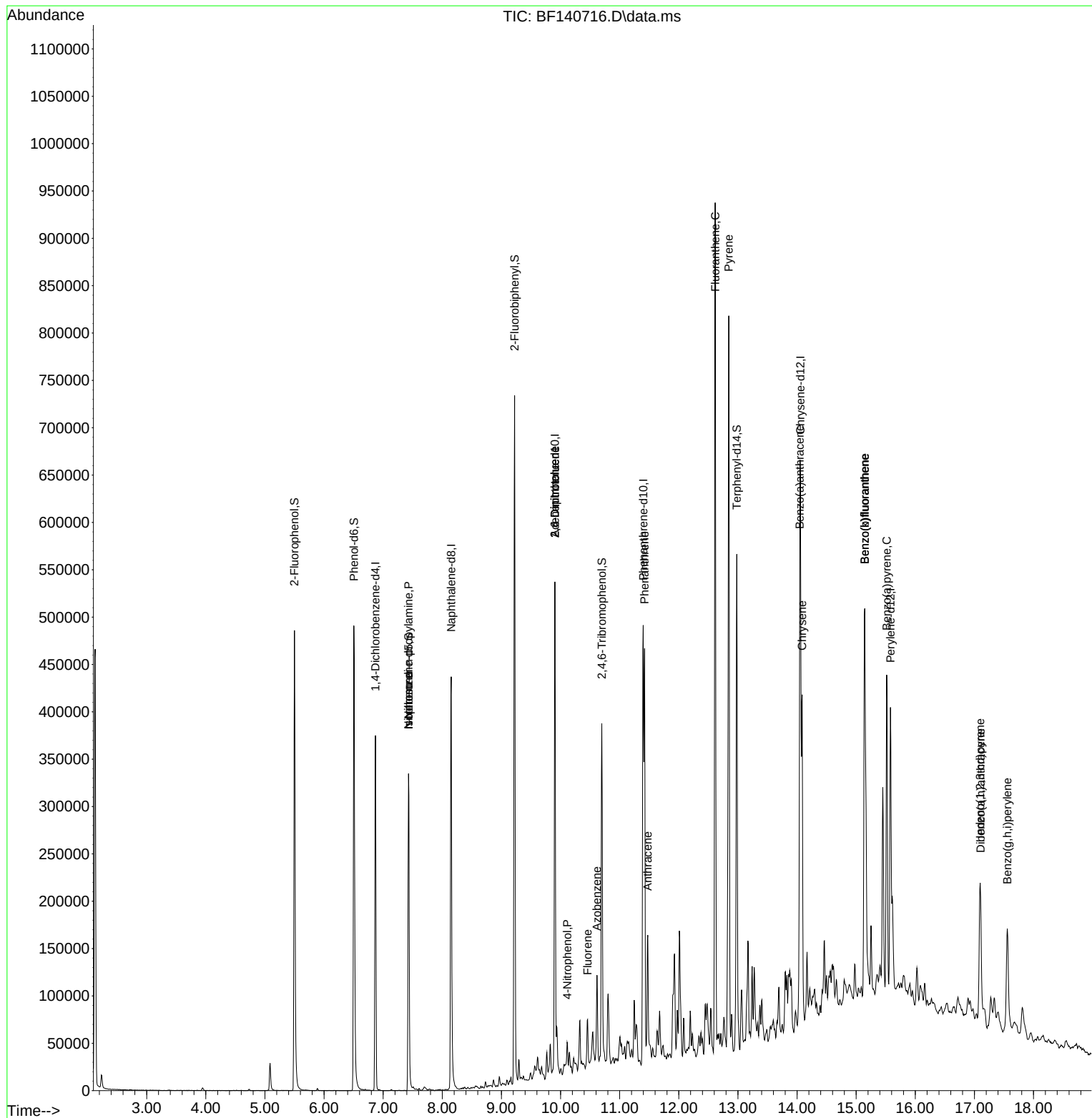
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	78891	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	293060	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	153756	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	248875	20.000	ng	0.00
76) Chrysene-d12	14.057	240	146599	20.000	ng	0.00
86) Perylene-d12	15.580	264	175946	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	200589	43.382	ng	0.00
7) Phenol-d6	6.504	99	255218	41.752	ng	-0.01
23) Nitrobenzene-d5	7.428	82	167951	29.314	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	60062	36.524	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	323041	31.304	ng	-0.01
79) Terphenyl-d14	12.980	244	243943	25.911	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	21859	6.051	ng	# 76
25) Isophorone	7.428	82	164958	17.262	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	20617	8.977	ng	# 20
56) 4-Nitrophenol	10.116	139	5788	3.778	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	20687	6.778	ng	# 18
58) Fluorene	10.457	166	20621	2.017	ng	98
63) Azobenzene	10.616	77	21498	2.206	ng	# 1
71) Phenanthrene	11.422	178	226837	18.961	ng	99
72) Anthracene	11.475	178	79560	6.799	ng	98
75) Fluoranthene	12.616	202	511490	39.379	ng	100
78) Pyrene	12.845	202	444891	32.821	ng	99
81) Benzo(a)anthracene	14.045	228	241372	24.873	ng	97
83) Chrysene	14.086	228	177358	19.987	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	112409	9.803	ng	96
88) Benzo(b)fluoranthene	15.145	252	370188	33.497	ng	98
89) Benzo(k)fluoranthene	15.145	252	370188	38.278	ng	98
90) Benzo(a)pyrene	15.516	252	201814	22.459	ng	97
91) Dibenzo(a,h)anthracene	17.104	278	28510	3.036	ng	# 85
92) Benzo(g,h,i)perylene	17.557	276	102663	10.714	ng	100

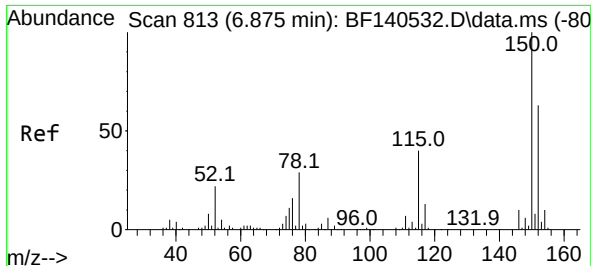
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140716.D
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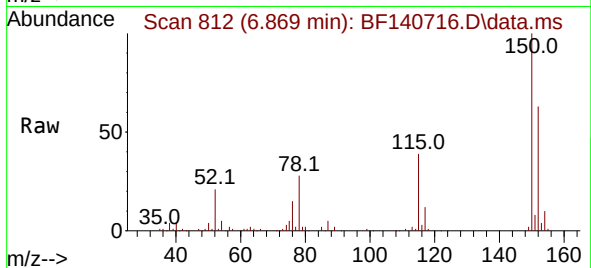
Quant Time: Dec 03 17:54:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
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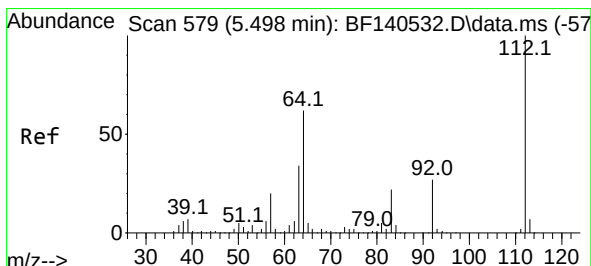
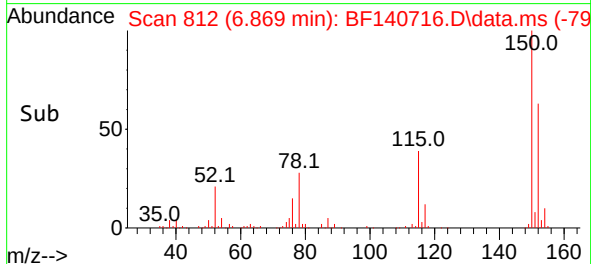
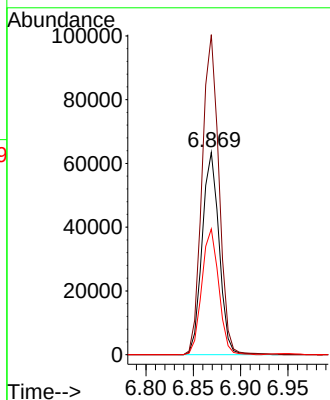


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

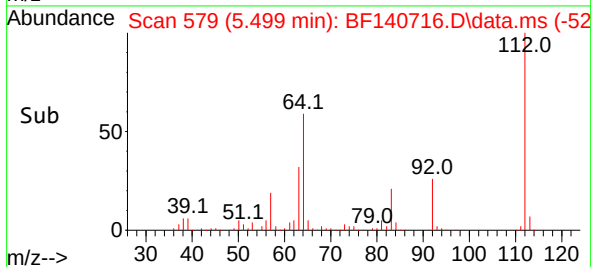
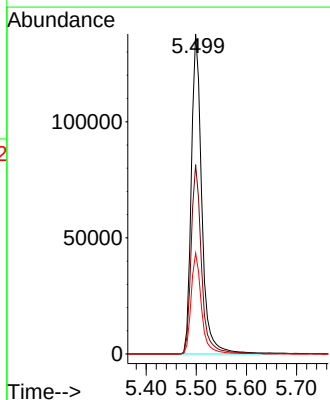
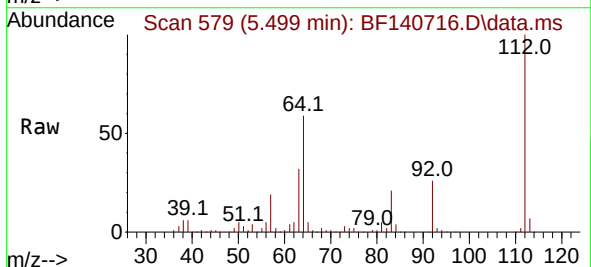


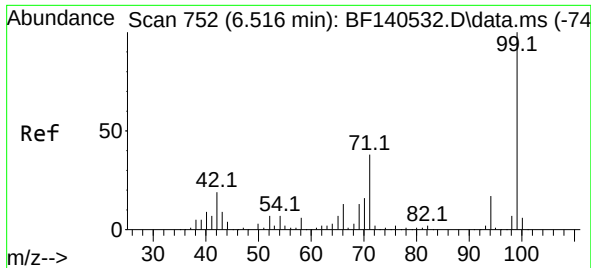
Tgt Ion:152 Resp: 78891
Ion Ratio Lower Upper
152 100
150 158.2 128.5 192.7
115 62.2 50.2 75.4



#5
2-Fluorophenol
Concen: 43.382 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion:112 Resp: 200589
Ion Ratio Lower Upper
112 100
64 59.2 49.2 73.8
63 31.5 27.0 40.4

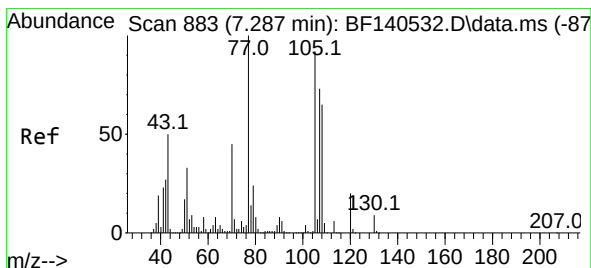
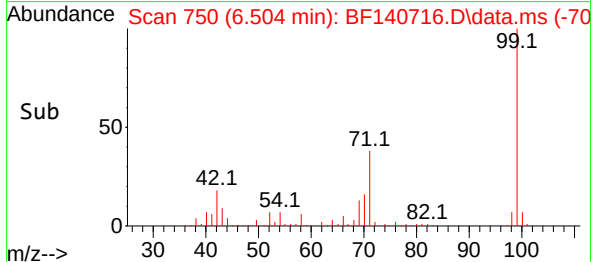
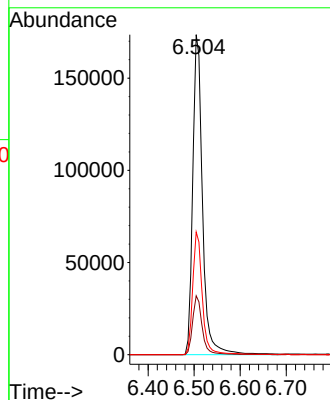
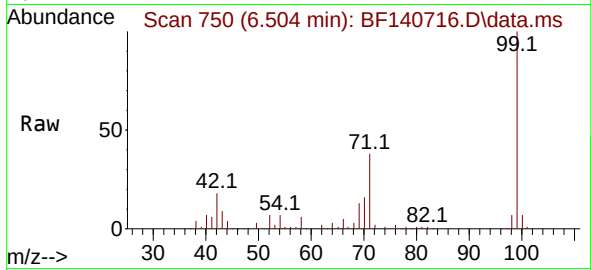




#7
Phenol-d6
Concen: 41.752 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

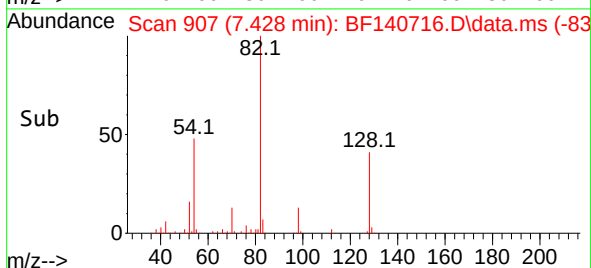
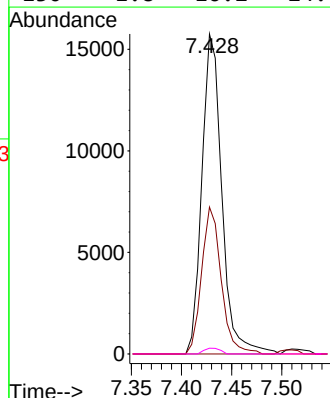
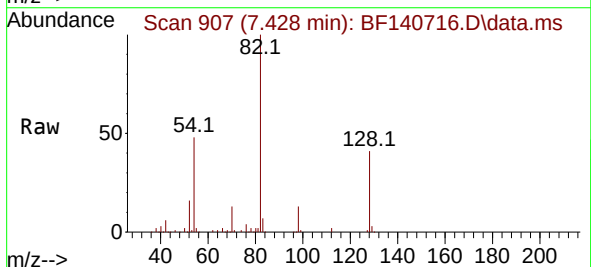
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

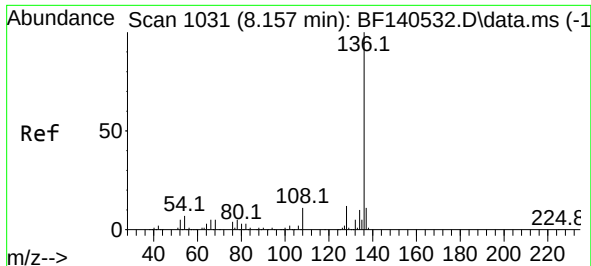
Tgt Ion: 99 Resp: 255218
Ion Ratio Lower Upper
99 100
42 18.4 15.4 23.0
71 38.3 30.6 46.0



#19
n-Nitroso-di-n-propylamine
Concen: 6.051 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion: 70 Resp: 21859
Ion Ratio Lower Upper
70 100
42 45.9 47.6 71.4#
101 0.0 7.6 11.4#
130 1.8 16.2 24.4#



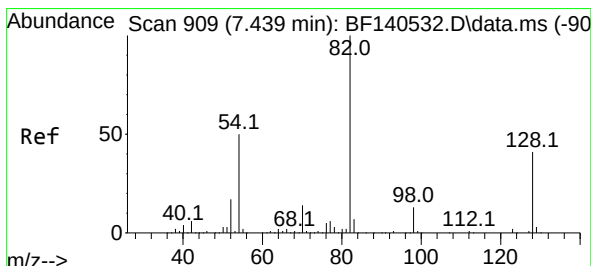
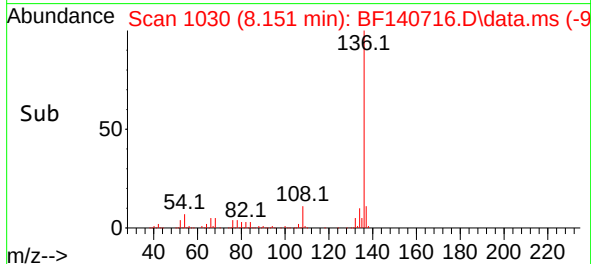
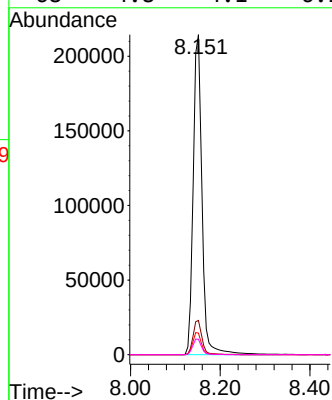
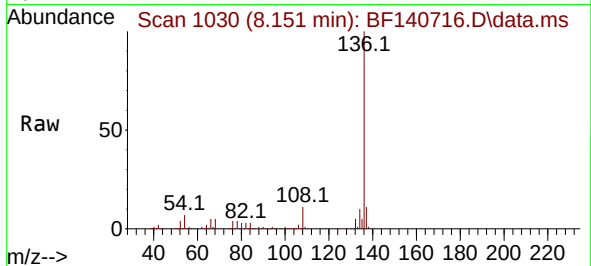


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

Tgt Ion:136 Resp: 293060

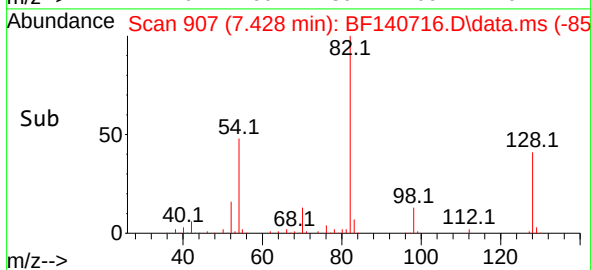
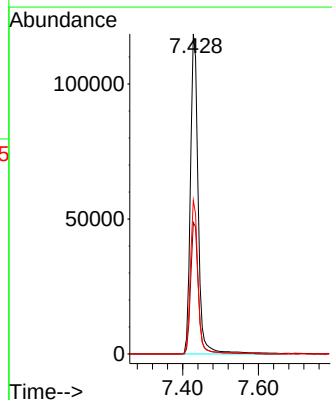
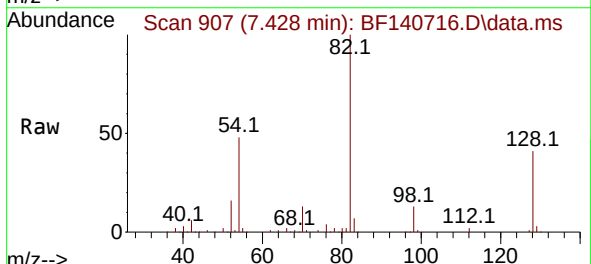
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	6.7	5.8	8.8
68	4.8	4.1	6.1

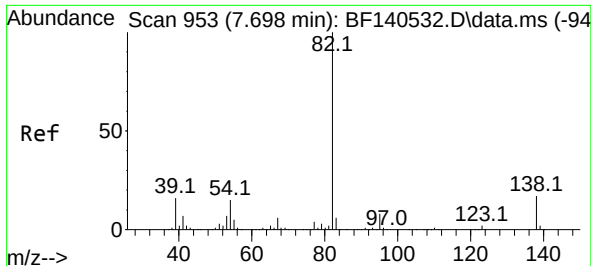


#23
Nitrobenzene-d5
Concen: 29.314 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion: 82 Resp: 167951

Ion	Ratio	Lower	Upper
82	100		
128	41.1	33.0	49.4
54	48.0	39.5	59.3

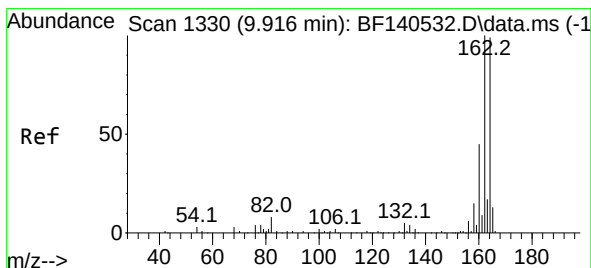
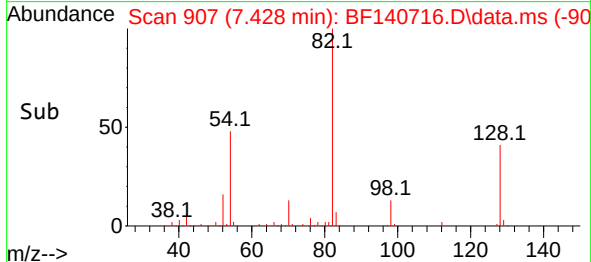
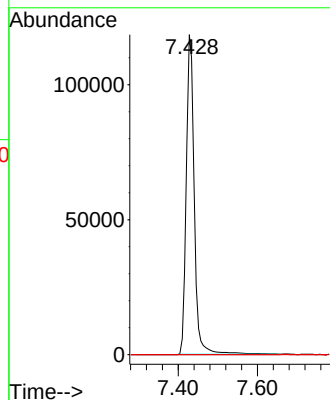
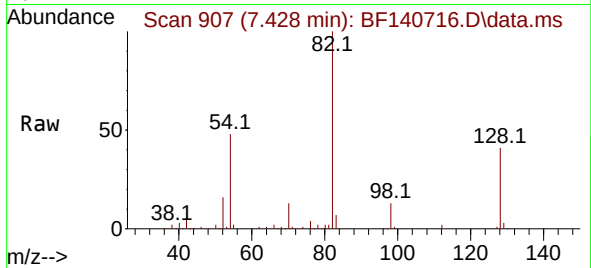




#25
Isophorone
Concen: 17.262 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

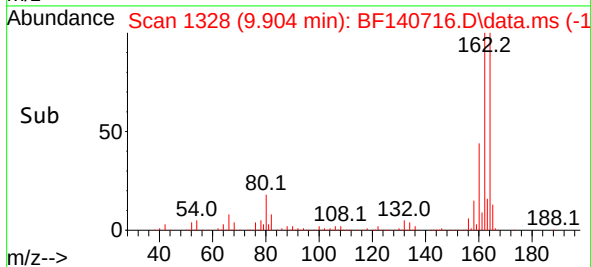
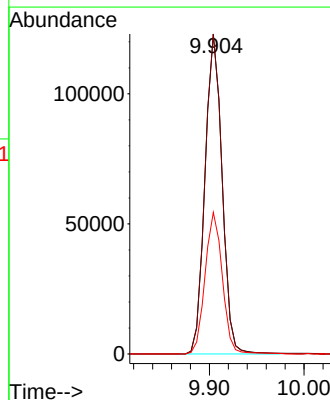
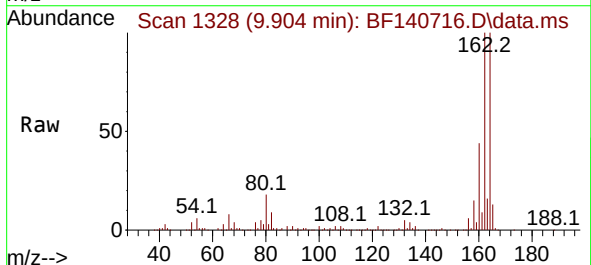
Instrument :
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ClientSampleId :
SU-04-11222024DL

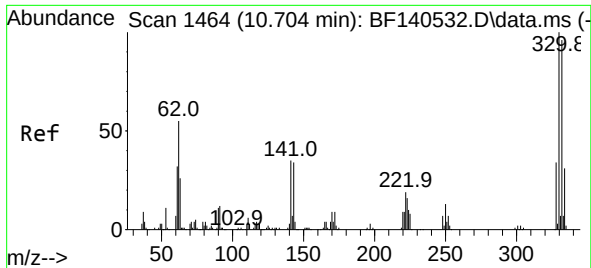
Tgt Ion: 82 Resp: 164958
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion: 164 Resp: 153756
Ion Ratio Lower Upper
164 100
162 99.9 80.6 120.8
160 44.2 36.2 54.4

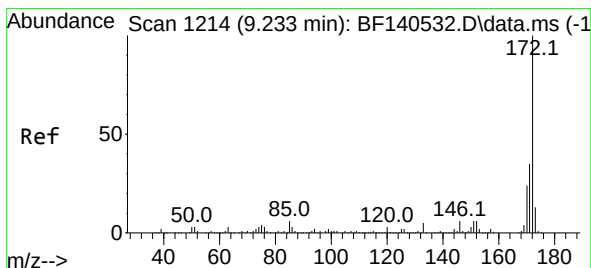
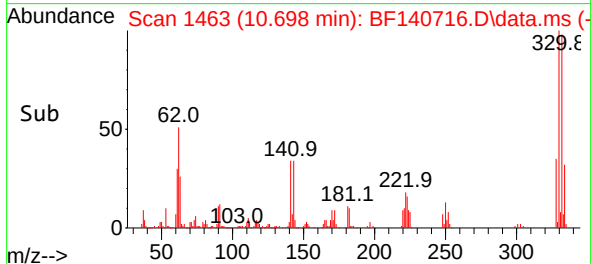
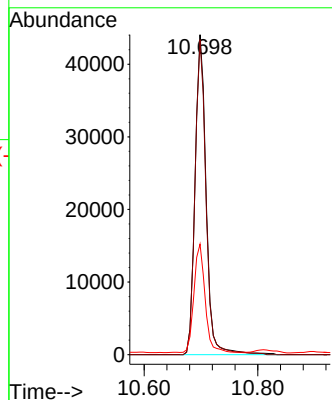
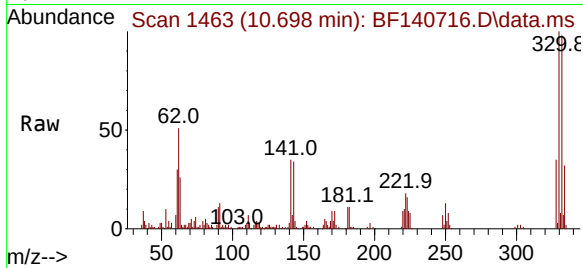




#42
2,4,6-Tribromophenol
Concen: 36.524 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

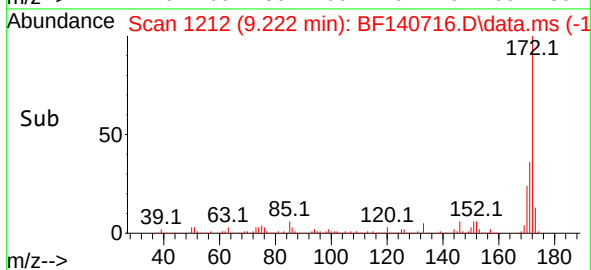
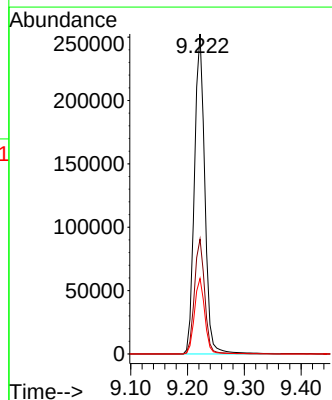
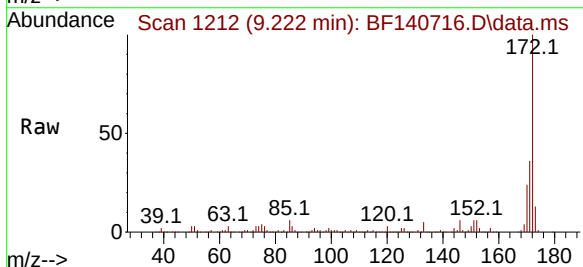
Instrument :
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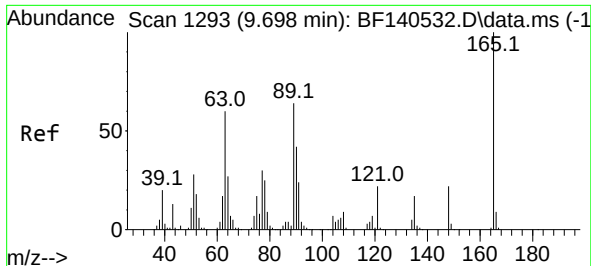
Tgt Ion:330 Resp: 60062
Ion Ratio Lower Upper
330 100
332 97.4 76.9 115.3
141 34.2 26.7 40.1



#45
2-Fluorobiphenyl
Concen: 31.304 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion:172 Resp: 323041
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.6 19.0 28.6

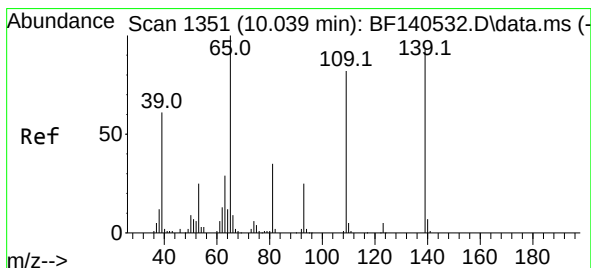
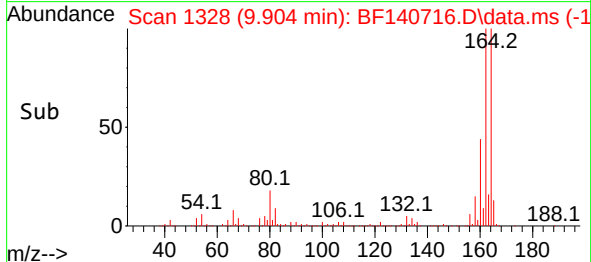
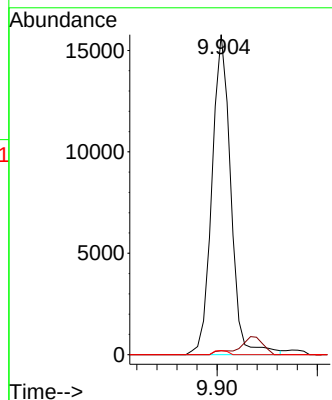
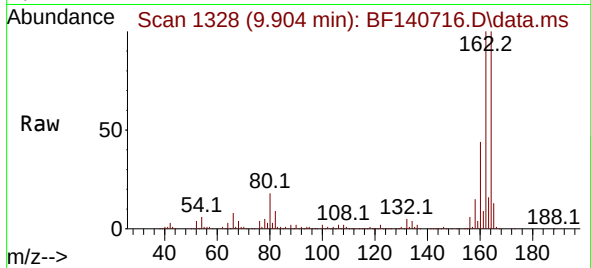




#51
2,6-Dinitrotoluene
Concen: 8.977 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

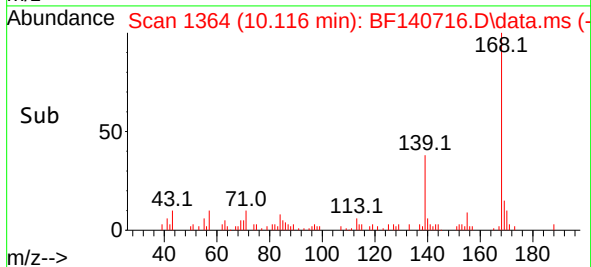
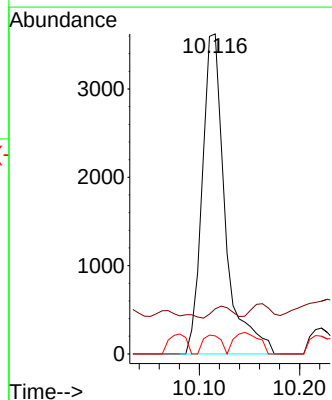
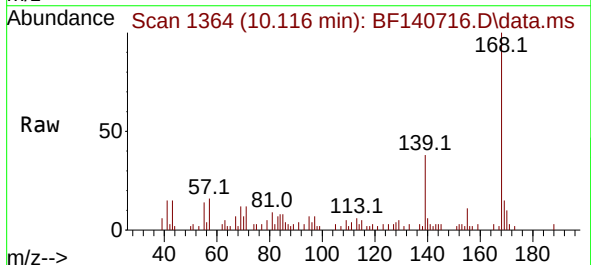
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SU-04-11222024DL

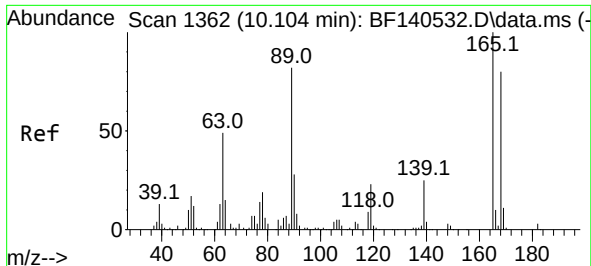
Tgt Ion:165 Resp: 20617
Ion Ratio Lower Upper
165 100
63 1.2 49.9 74.9#
89 1.3 50.9 76.3#



#56
4-Nitrophenol
Concen: 3.778 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.077 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion:139 Resp: 5788
Ion Ratio Lower Upper
139 100
109 14.1 68.4 108.4#
65 5.6 88.6 128.6#





#57

2,4-Dinitrotoluene

Concen: 6.778 ng

RT: 9.904 min Scan# 11

Delta R.T. -0.200 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024DL

Tgt Ion:165 Resp: 20687

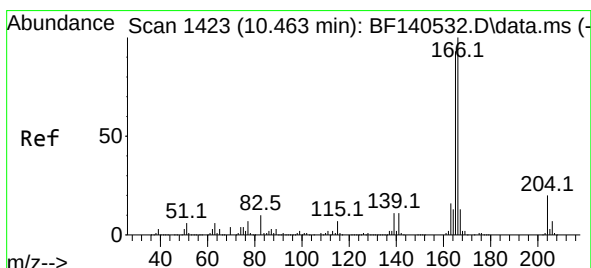
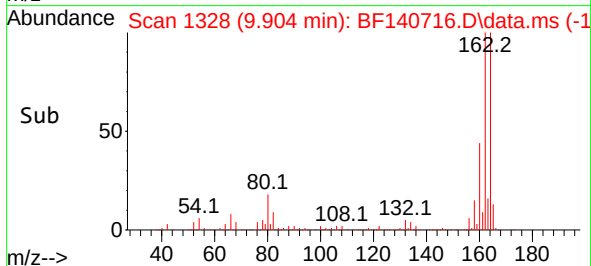
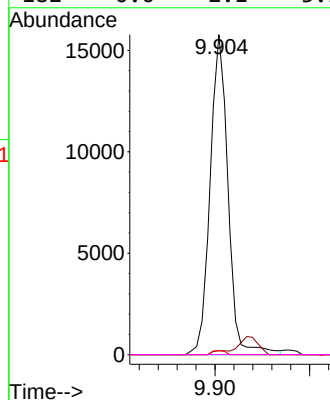
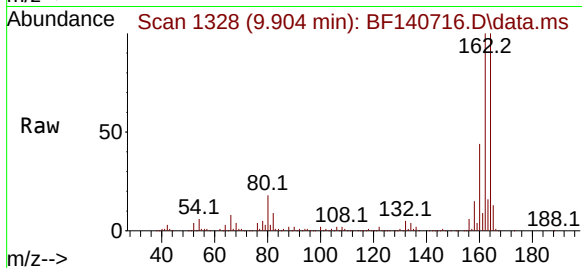
Ion Ratio Lower Upper

165 100

63 1.2 41.7 62.5#

89 1.3 65.8 98.8#

182 0.0 2.1 3.1#



#58

Fluorene

Concen: 2.017 ng

RT: 10.457 min Scan# 1422

Delta R.T. -0.006 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

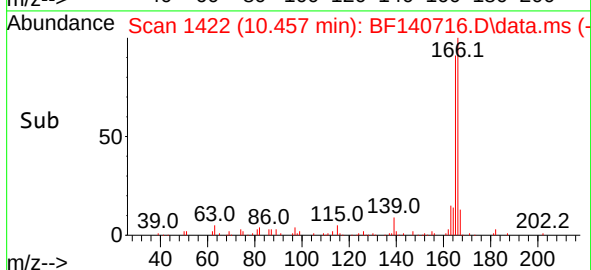
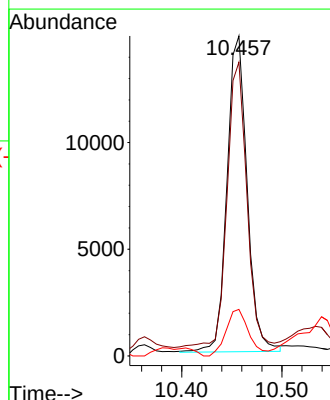
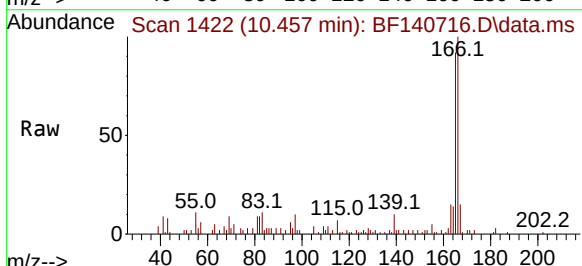
Tgt Ion:166 Resp: 20621

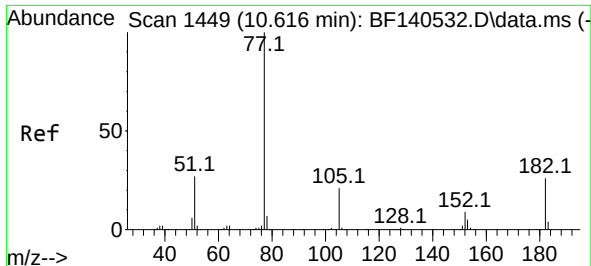
Ion Ratio Lower Upper

166 100

165 91.8 74.6 111.8

167 14.6 10.6 16.0

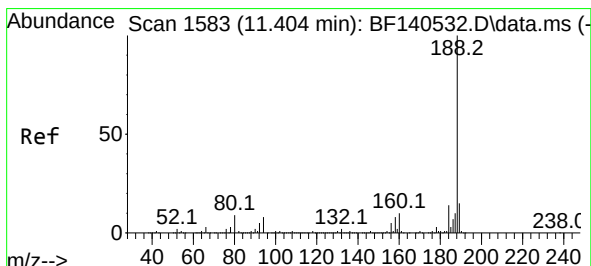
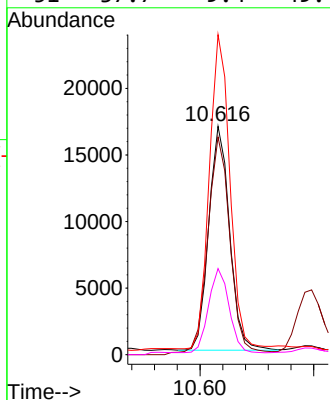
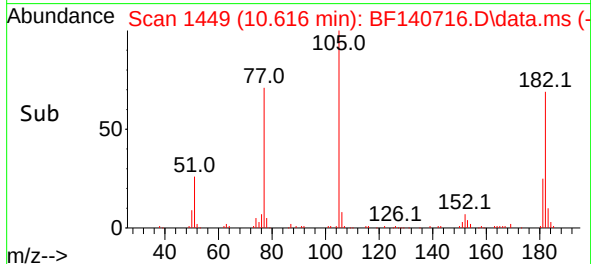
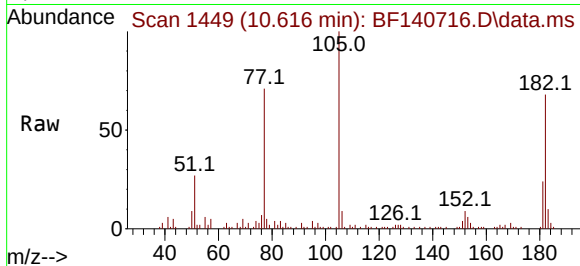




#63
Azobenzene
Concen: 2.206 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

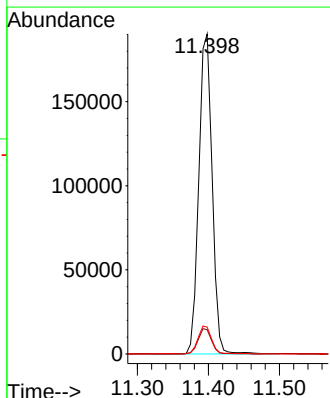
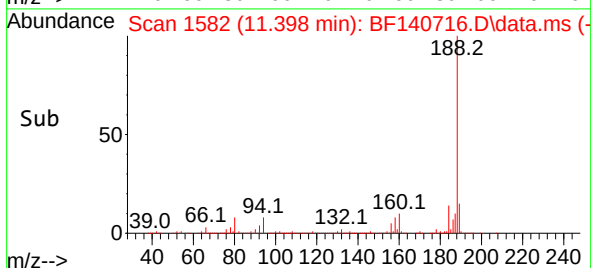
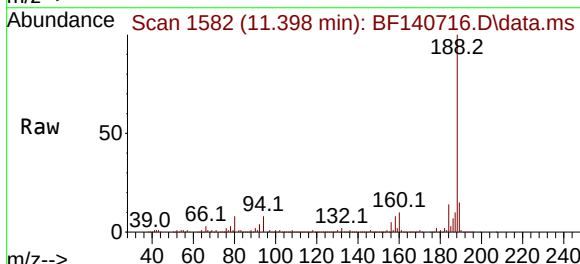
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

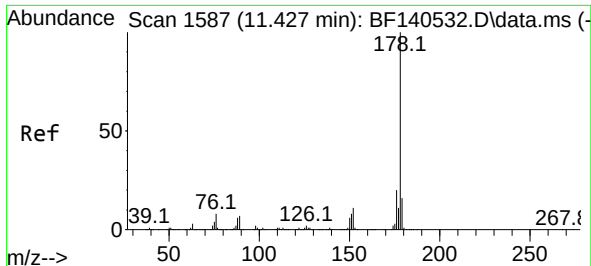
Tgt Ion: 77	Resp: 21498
Ion Ratio	Lower Upper
77 100	
182 95.3	5.3 45.3#
105 140.1	0.3 40.3#
51 37.7	9.4 49.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion: 188	Resp: 248875
Ion Ratio	Lower Upper
188 100	
94 7.6	6.4 9.6
80 8.4	6.9 10.3

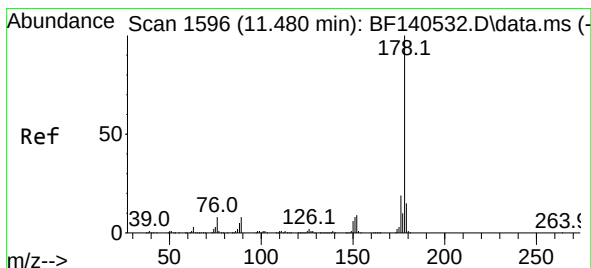
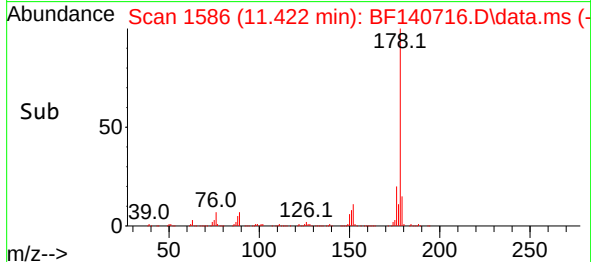
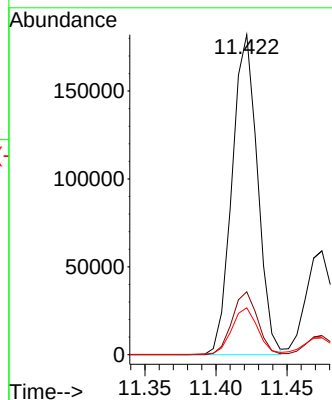
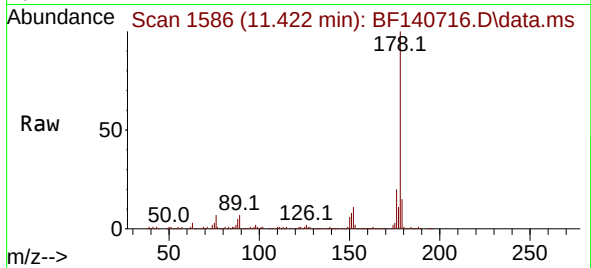




#71
Phenanthrene
Concen: 18.961 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

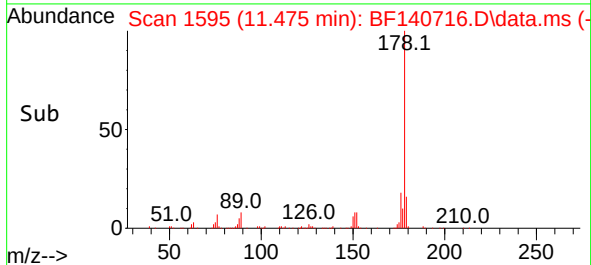
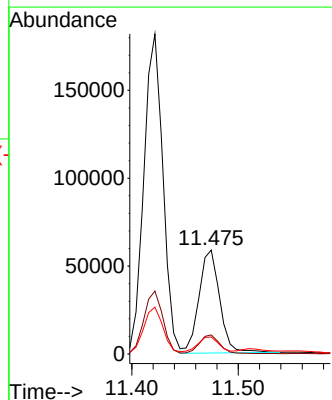
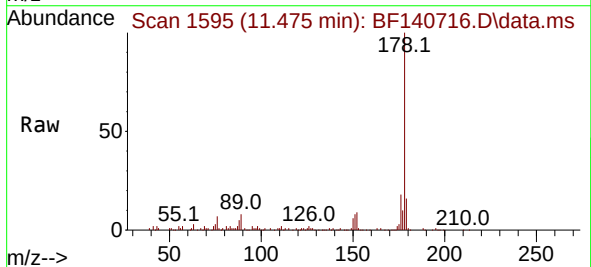
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

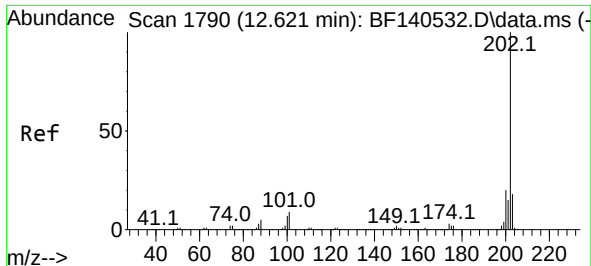
Tgt Ion:178 Resp: 226837
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 14.7 12.4 18.6



#72
Anthracene
Concen: 6.799 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion:178 Resp: 79560
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 16.4 12.2 18.4

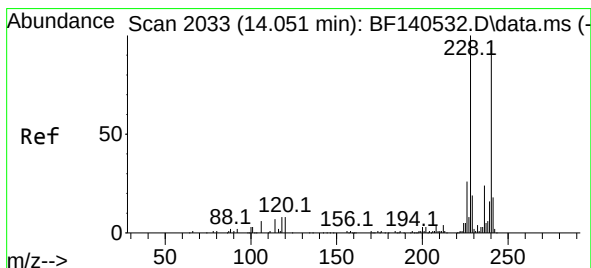
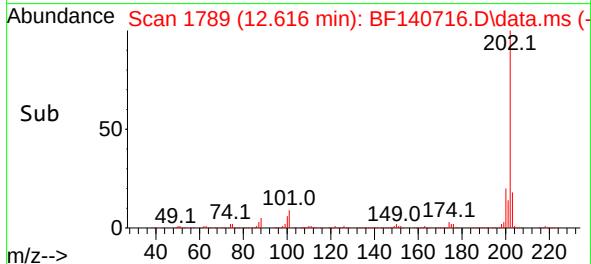
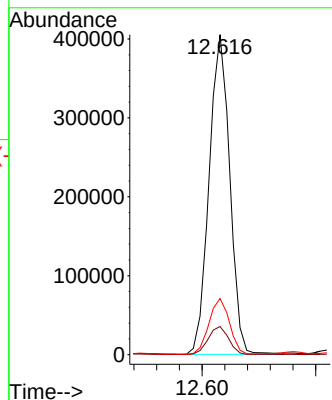
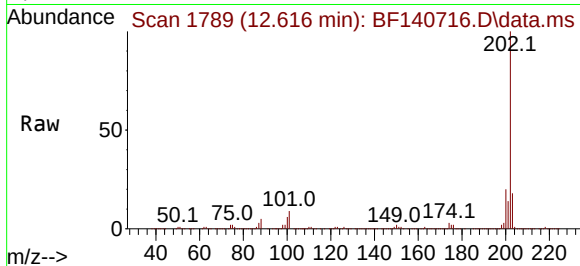




#75
Fluoranthene
Concen: 39.379 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

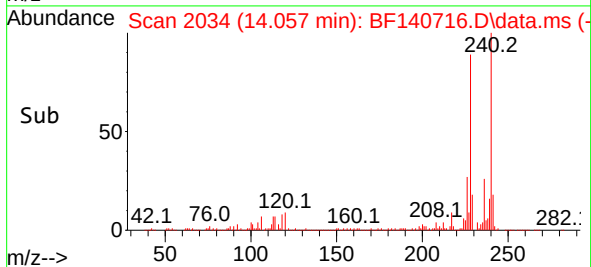
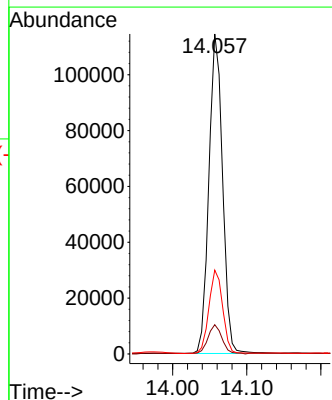
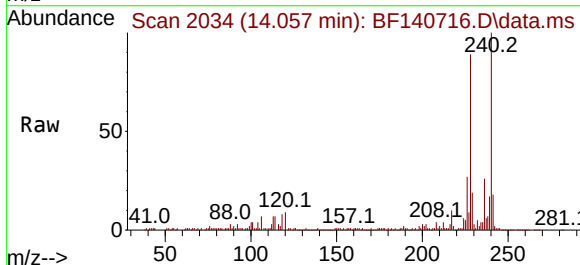
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

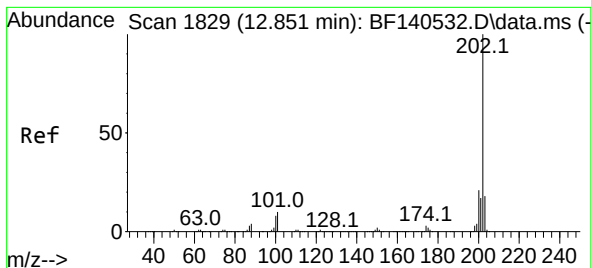
Tgt Ion:202 Resp: 511490
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.9
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion:240 Resp: 146599
Ion Ratio Lower Upper
240 100
120 9.1 7.3 10.9
236 26.2 20.6 31.0





#78

Pyrene

Concen: 32.821 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024DL

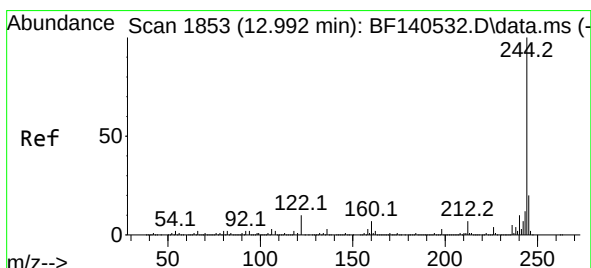
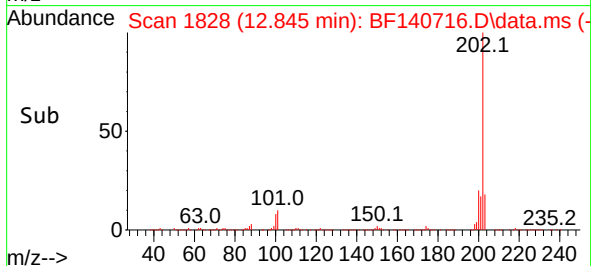
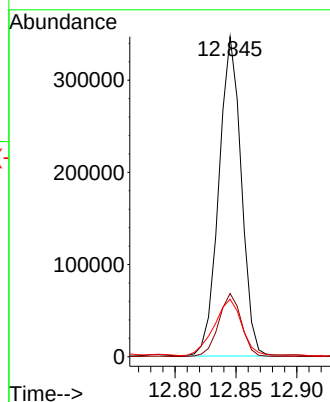
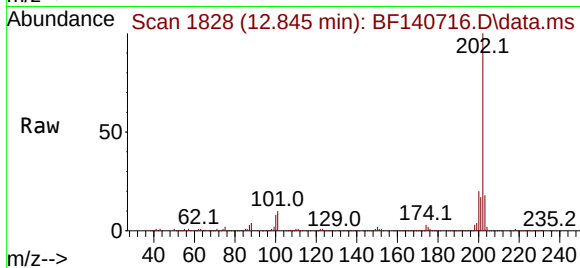
Tgt Ion:202 Resp: 444891

Ion Ratio Lower Upper

202 100

200 19.8 16.5 24.7

203 17.9 14.2 21.4



#79

Terphenyl-d14

Concen: 25.911 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.012 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

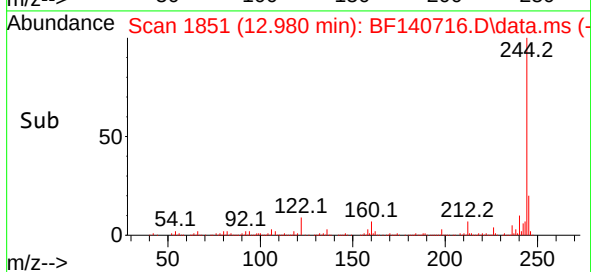
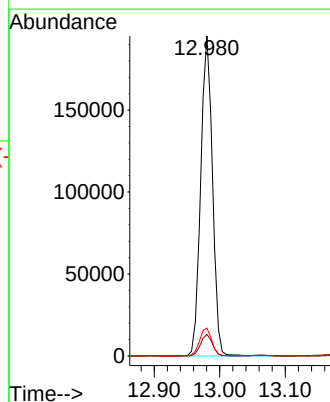
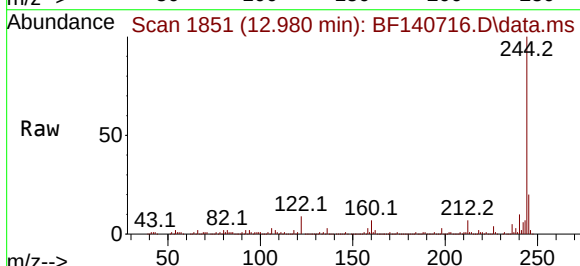
Tgt Ion:244 Resp: 243943

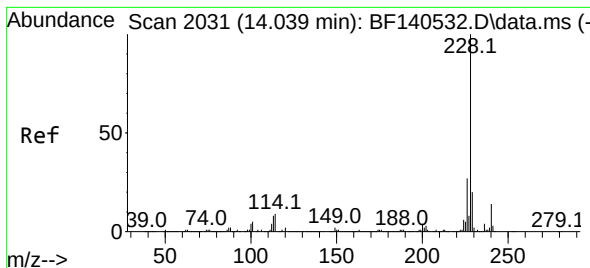
Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

122 8.7 8.0 12.0





#81

Benzo(a)anthracene

Concen: 24.873 ng

RT: 14.045 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024DL

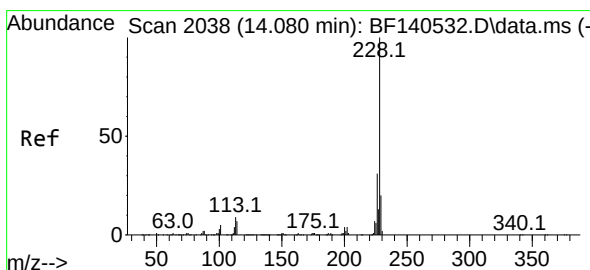
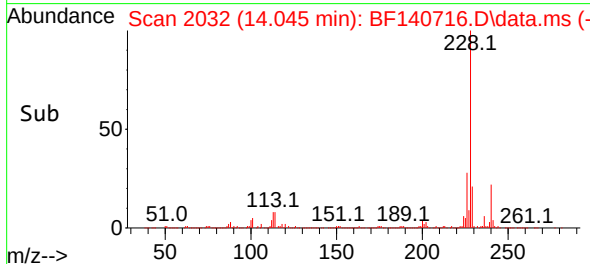
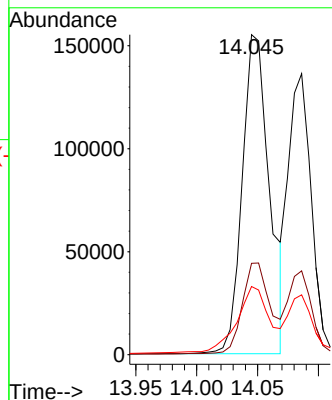
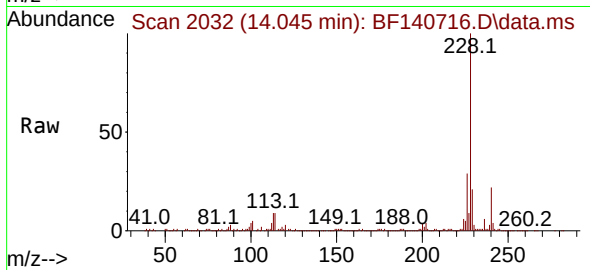
Tgt Ion:228 Resp: 241372

Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

229 21.3 15.8 23.6



#83

Chrysene

Concen: 19.987 ng

RT: 14.086 min Scan# 2039

Delta R.T. 0.006 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

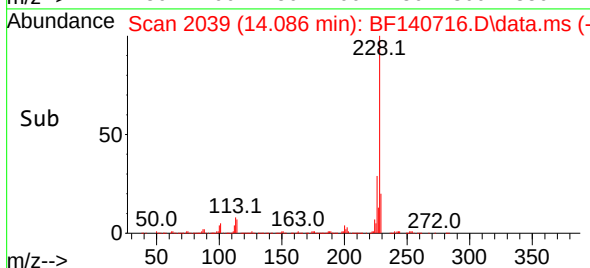
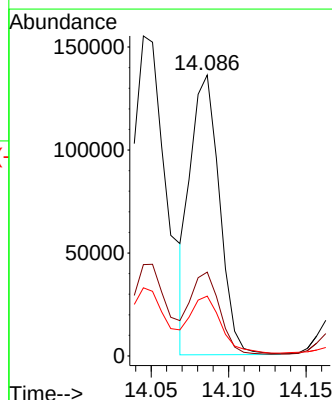
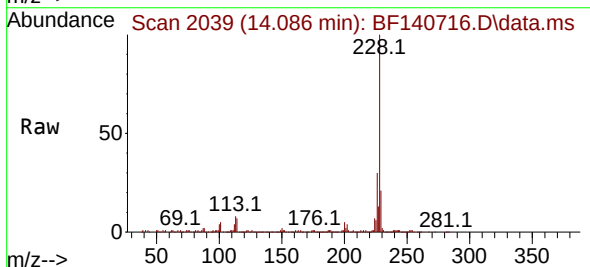
Tgt Ion:228 Resp: 177358

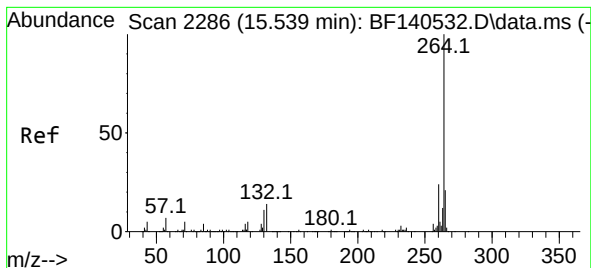
Ion Ratio Lower Upper

228 100

226 29.8 24.4 36.6

229 21.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024DL

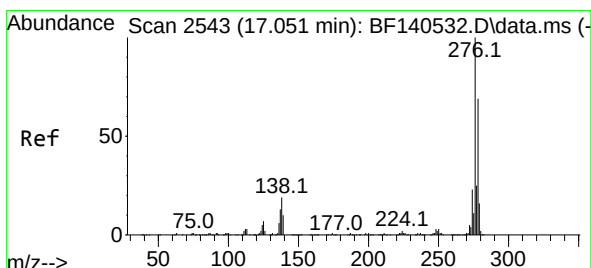
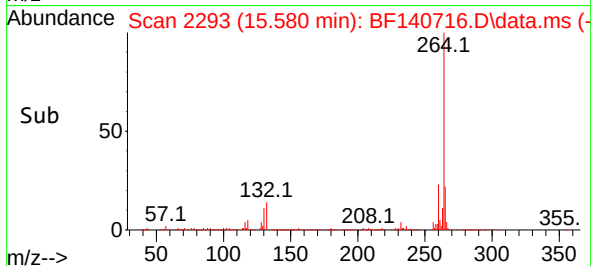
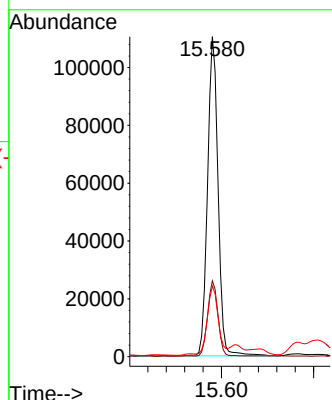
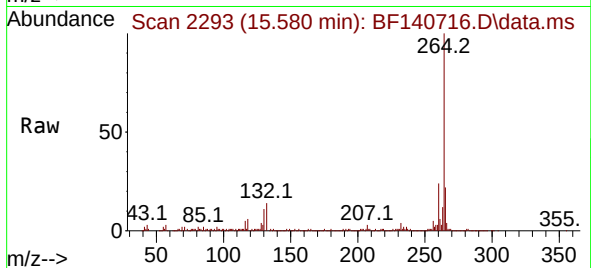
Tgt Ion:264 Resp: 175946

Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.6

265 22.0 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.803 ng

RT: 17.098 min Scan# 2551

Delta R.T. 0.047 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

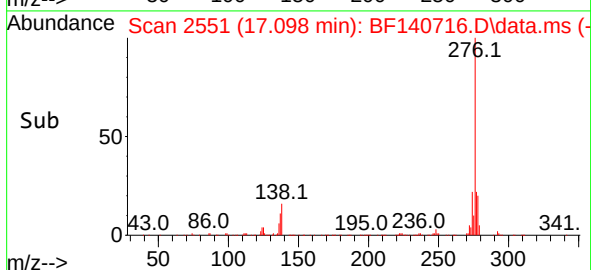
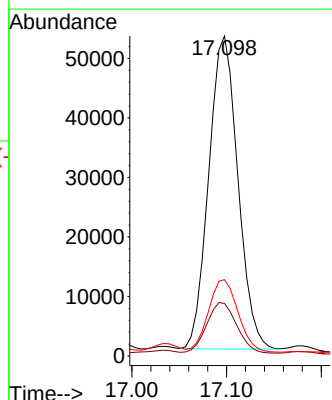
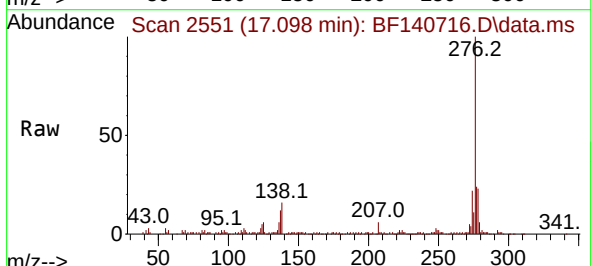
Tgt Ion:276 Resp: 112409

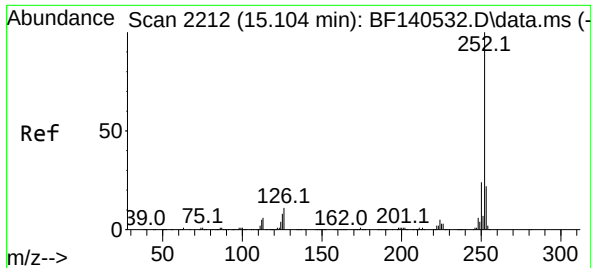
Ion Ratio Lower Upper

276 100

138 17.2 15.5 23.3

277 23.6 20.1 30.1

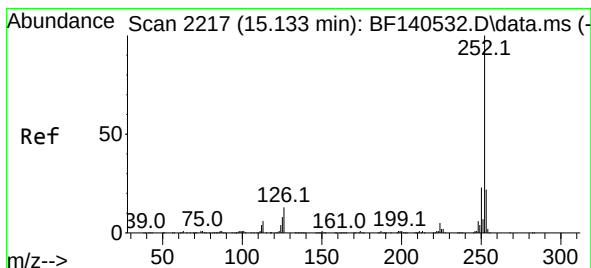
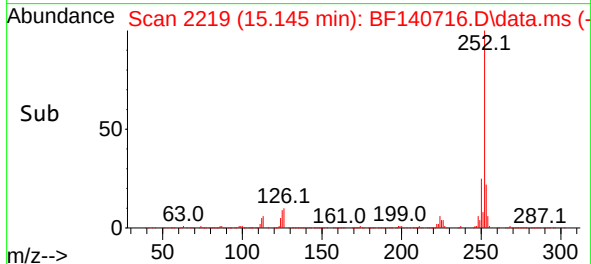
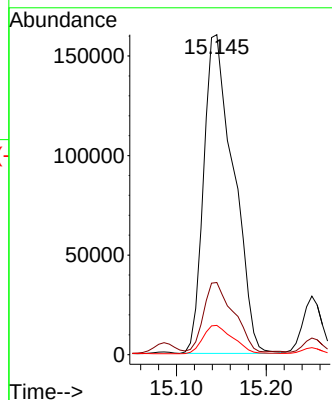
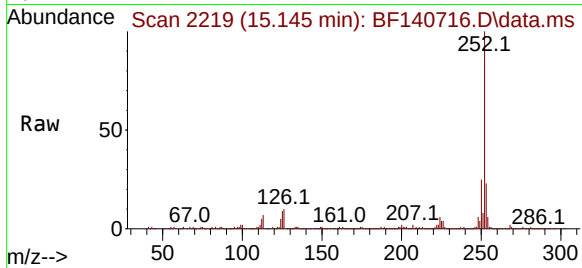




#88
Benzo(b)fluoranthene
Concen: 33.497 ng
RT: 15.145 min Scan# 2212
Delta R.T. 0.041 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

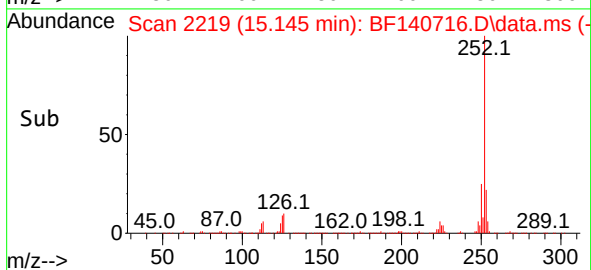
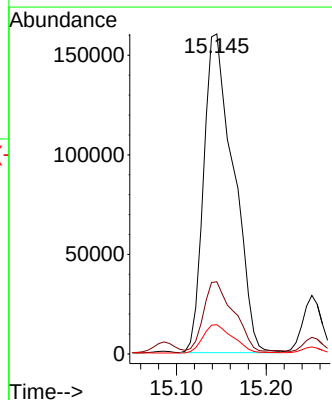
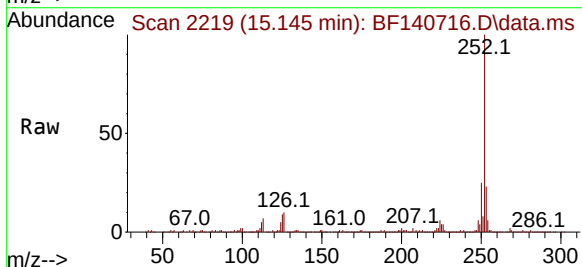
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

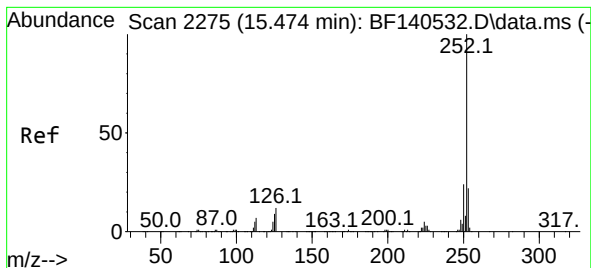
Tgt Ion:252 Resp: 370188
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 9.1 6.7 10.1



#89
Benzo(k)fluoranthene
Concen: 38.278 ng
RT: 15.145 min Scan# 2219
Delta R.T. 0.012 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion:252 Resp: 370188
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 9.1 6.5 9.7





#90

Benzo(a)pyrene

Concen: 22.459 ng

RT: 15.516 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024DL

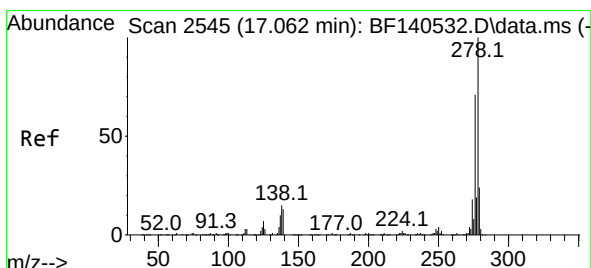
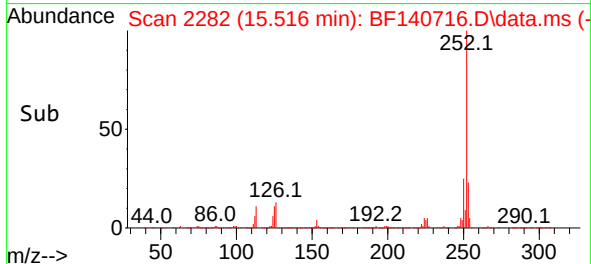
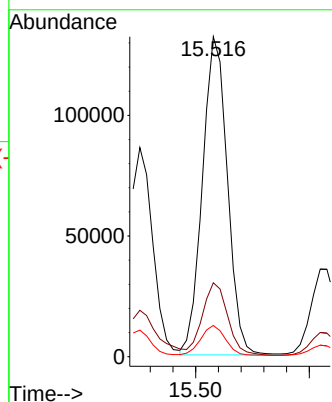
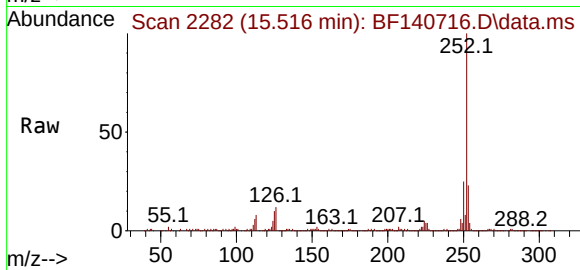
Tgt Ion:252 Resp: 201814

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 9.7 7.0 10.6



#91

Dibenzo(a,h)anthracene

Concen: 3.036 ng

RT: 17.104 min Scan# 2552

Delta R.T. 0.041 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

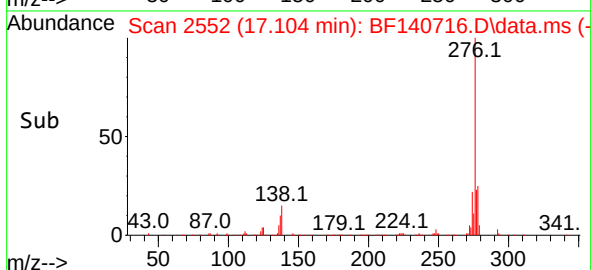
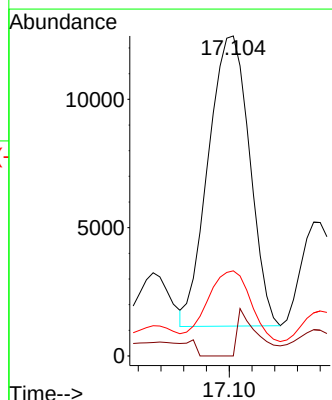
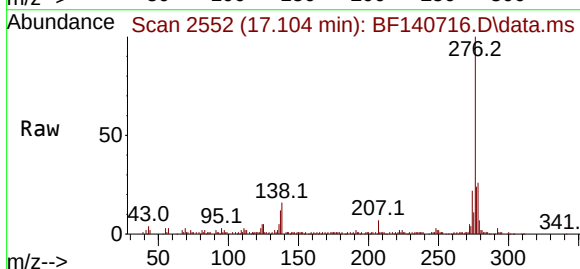
Tgt Ion:278 Resp: 28510

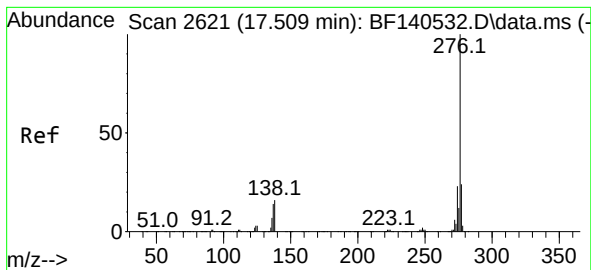
Ion Ratio Lower Upper

278 100

139 0.0 10.2 15.4#

279 26.6 18.9 28.3





#92

Benzo(g,h,i)perylene

Concen: 10.714 ng

RT: 17.557 min Scan# 20

Delta R.T. 0.047 min

Lab File: BF140716.D

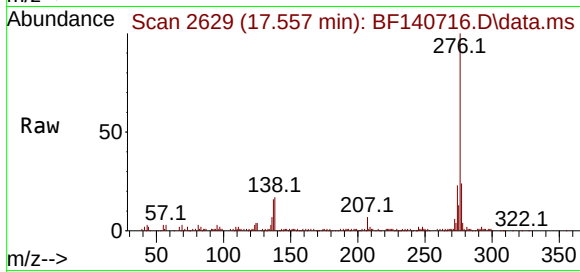
Acq: 03 Dec 2024 17:34

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024DL



Tgt Ion:276 Resp: 102663

Ion Ratio Lower Upper

276 100

277 23.7 18.9 28.3

138 16.6 13.2 19.8

