

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140192.D
 Acq On : 31 Oct 2024 16:35
 Operator : RC/JU
 Sample : P4619-01DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-102924DL

Quant Time: Oct 31 17:01:41 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)

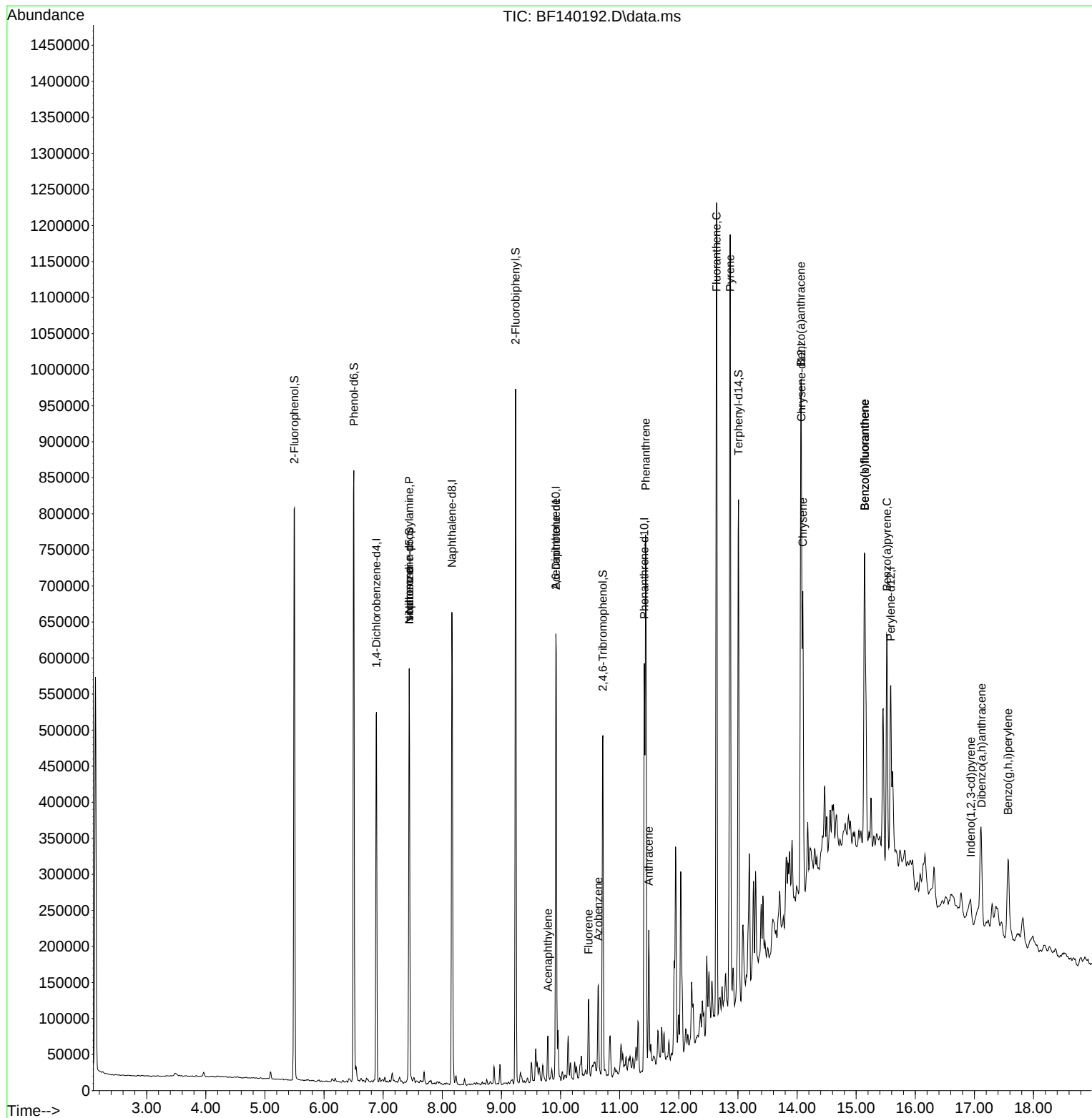
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	104082	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	387425	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	185649	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	292085	20.000	ng	0.00
76) Chrysene-d12	14.074	240	171012	20.000	ng	0.02
86) Perylene-d12	15.586	264	146324	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	289505	43.544	ng	0.00
7) Phenol-d6	6.504	99	372392	43.246	ng	0.00
23) Nitrobenzene-d5	7.440	82	237583	33.988	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	73499	42.326	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	403326	35.905	ng	-0.01
79) Terphenyl-d14	13.010	244	335825	31.999	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	33809	6.474	ng	# 78
25) Isophorone	7.440	82	236141	17.798	ng	# 67
49) Acenaphthylene	9.787	152	32571	2.164	ng	98
51) 2,6-Dinitrotoluene	9.922	165	24250	9.685	ng	# 22
58) Fluorene	10.475	166	41017	3.856	ng	98
63) Azobenzene	10.639	77	26851	2.231	ng	# 1
71) Phenanthrene	11.439	178	387730	28.103	ng	99
72) Anthracene	11.492	178	103286	7.673	ng	99
75) Fluoranthene	12.639	202	644957	46.242	ng	98
78) Pyrene	12.869	202	612083	40.889	ng	99
81) Benzo(a)anthracene	14.063	228	280074	25.159	ng	97
83) Chrysene	14.098	228	222689	21.817	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	21423	2.276	ng	94
88) Benzo(b)fluoranthene	15.145	252	373778	41.934	ng	96
89) Benzo(k)fluoranthene	15.145	252	373778	48.624	ng	96
90) Benzo(a)pyrene	15.521	252	210650	28.721	ng	98
91) Dibenzo(a,h)anthracene	17.121	278	26148	3.330	ng	# 86
92) Benzo(g,h,i)perylene	17.568	276	115834	14.767	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
Data File : BF140192.D
Acq On : 31 Oct 2024 16:35
Operator : RC/JU
Sample : P4619-01DL 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-102924DL

Quant Time: Oct 31 17:01:41 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

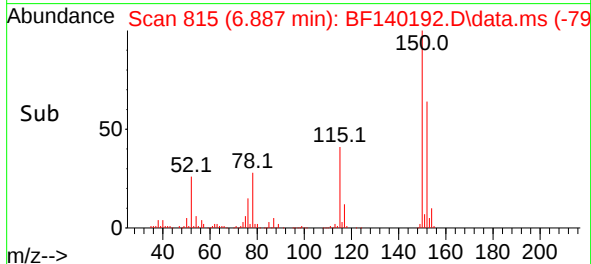
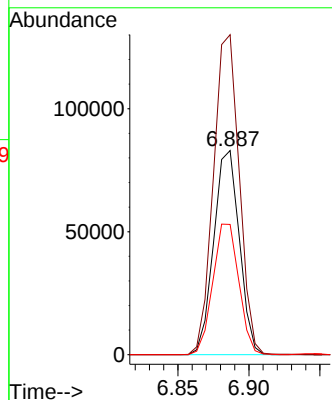
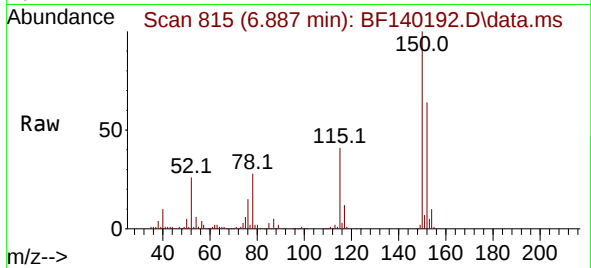




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

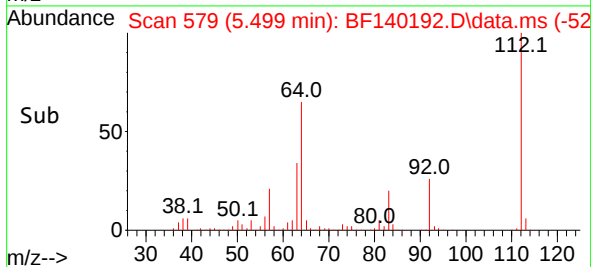
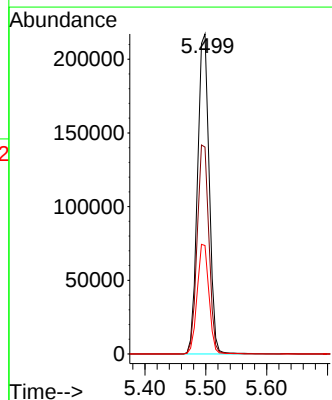
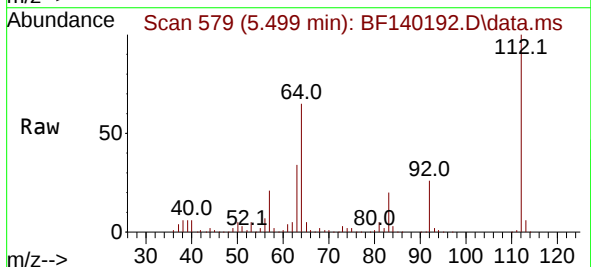
Instrument :
BNA_F
ClientSampleId :
SU-03-102924DL

Tgt Ion:152 Resp: 104082
Ion Ratio Lower Upper
152 100
150 156.8 130.2 195.2
115 63.8 51.4 77.2



#5
2-Fluorophenol
Concen: 43.544 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Tgt Ion:112 Resp: 289505
Ion Ratio Lower Upper
112 100
64 64.6 53.0 79.6
63 33.9 27.0 40.4

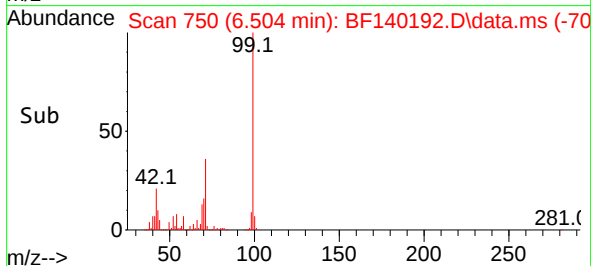
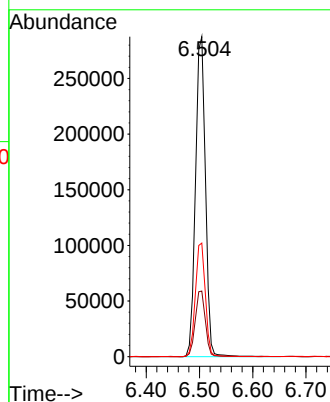
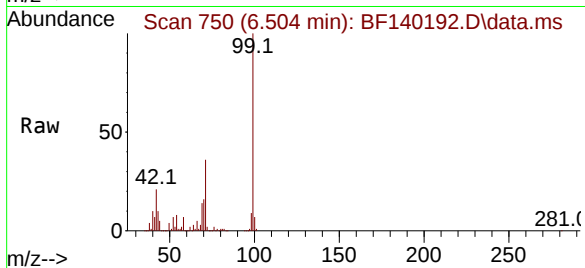




#7
Phenol-d6
Concen: 43.246 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

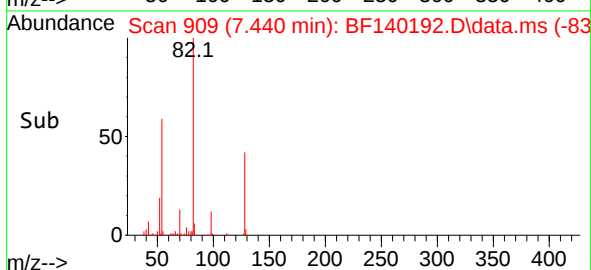
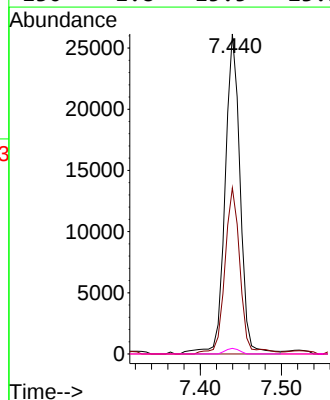
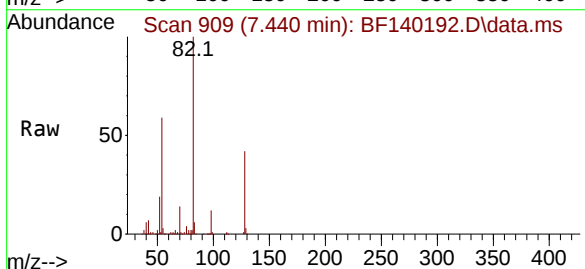
Instrument :
BNA_F
ClientSampleId :
SU-03-102924DL

Tgt Ion: 99 Resp: 372392
Ion Ratio Lower Upper
99 100
42 20.5 16.7 25.1
71 35.5 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 6.474 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.136 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Tgt Ion: 70 Resp: 33809
Ion Ratio Lower Upper
70 100
42 51.9 51.5 77.3
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#



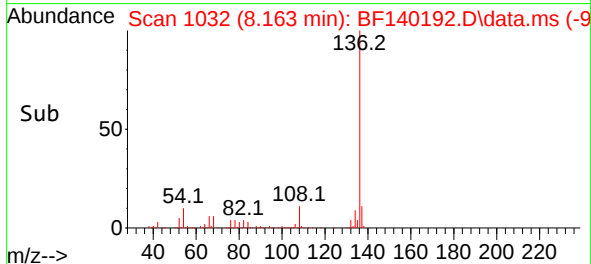
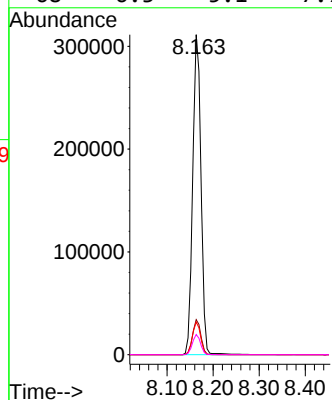
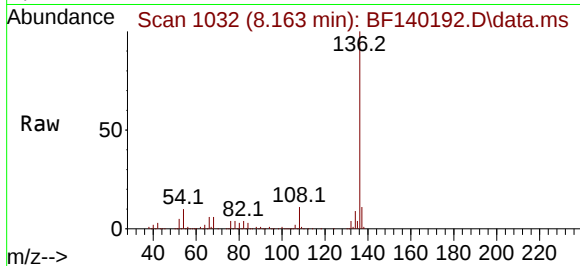


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 10
Delta R.T. -0.011 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Instrument :
BNA_F
ClientSampleId :
SU-03-102924DL

Tgt Ion:136 Resp: 387425

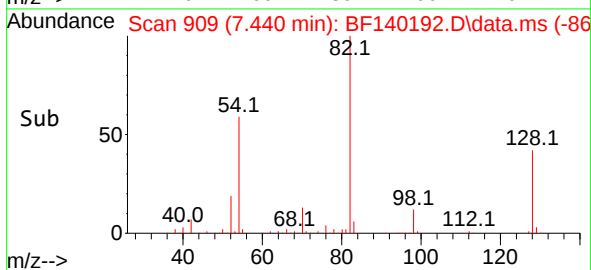
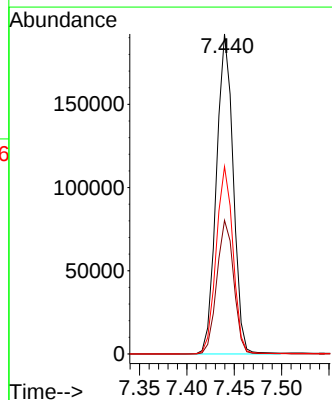
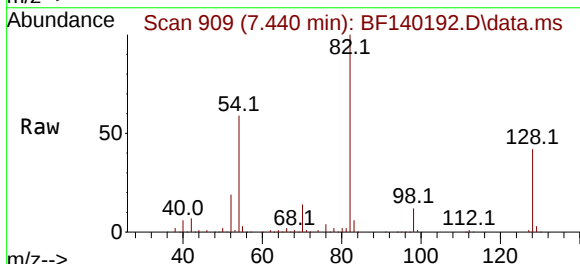
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	12.8
54	10.2	8.4	12.6
68	6.3	5.1	7.7



#23
Nitrobenzene-d5
Concen: 33.988 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.011 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Tgt Ion: 82 Resp: 237583

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.4	50.0
54	58.6	47.8	71.8

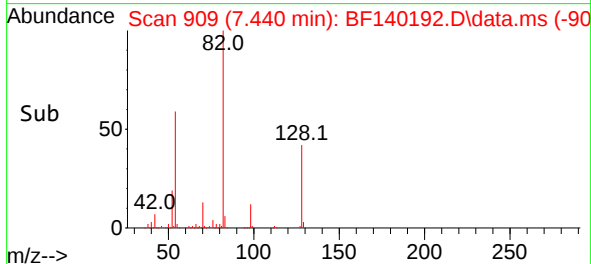
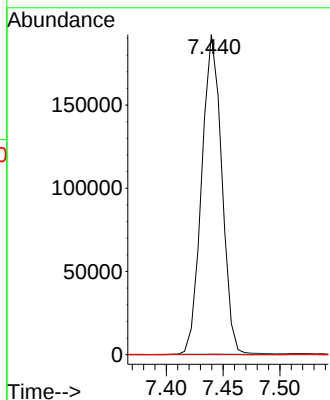
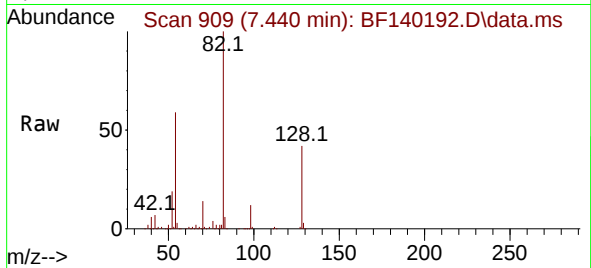




#25
Isophorone
Concen: 17.798 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.270 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

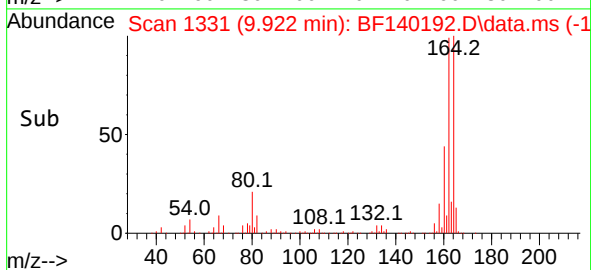
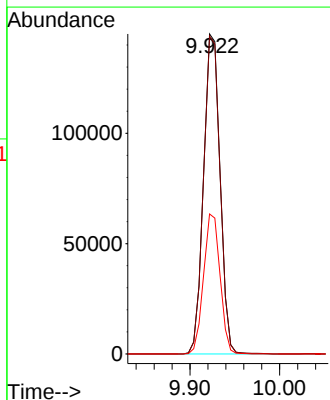
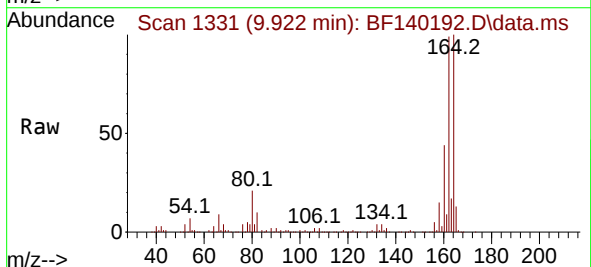
Instrument :
BNA_F
ClientSampleId :
SU-03-102924DL

Tgt Ion: 82 Resp: 236141
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Tgt Ion:164 Resp: 185649
Ion Ratio Lower Upper
164 100
162 99.4 81.0 121.4
160 43.8 35.4 53.0

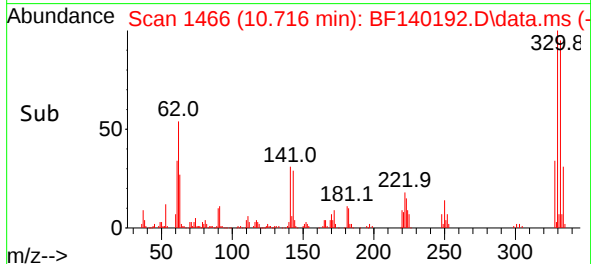
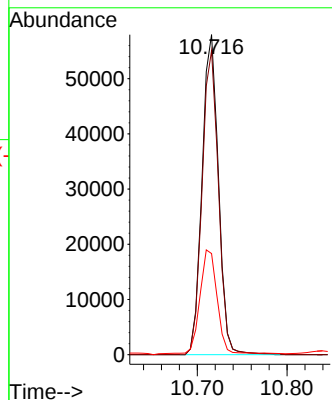
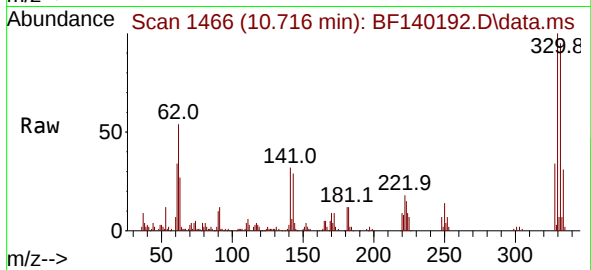




#42
 2,4,6-Tribromophenol
 Concen: 42.326 ng
 RT: 10.716 min Scan# 1466
 Delta R.T. 0.000 min
 Lab File: BF140192.D
 Acq: 31 Oct 2024 16:35

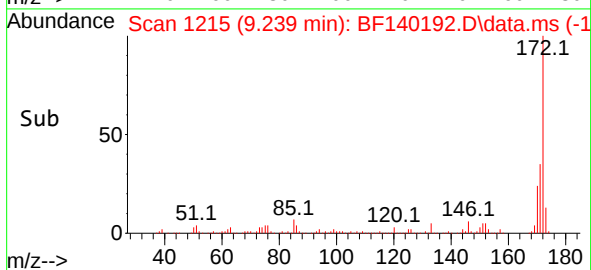
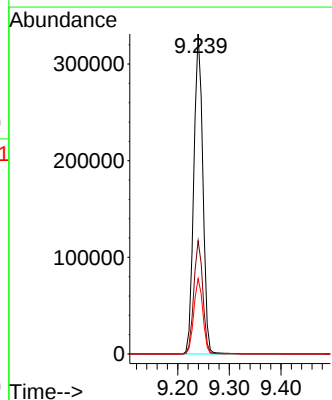
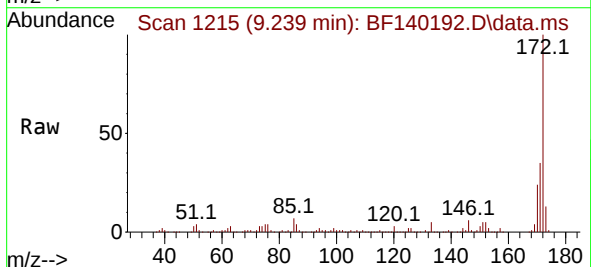
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-102924DL

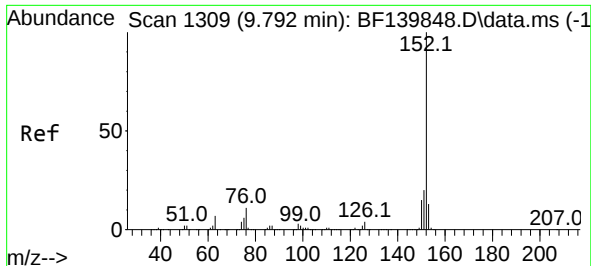
Tgt Ion:330 Resp: 73499
 Ion Ratio Lower Upper
 330 100
 332 95.2 78.1 117.1
 141 35.9 26.6 39.8



#45
 2-Fluorobiphenyl
 Concen: 35.905 ng
 RT: 9.239 min Scan# 1215
 Delta R.T. -0.011 min
 Lab File: BF140192.D
 Acq: 31 Oct 2024 16:35

Tgt Ion:172 Resp: 403326
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 43.0
 170 23.6 19.1 28.7





#49

Acenaphthylene

Concen: 2.164 ng

RT: 9.787 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL

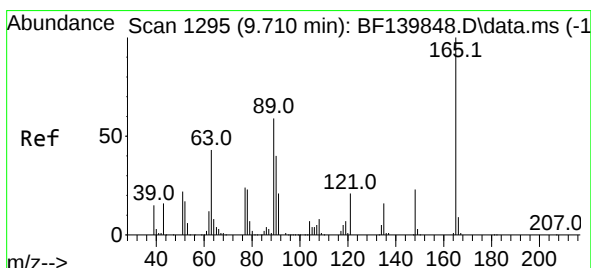
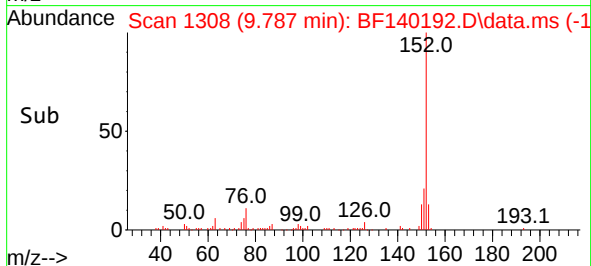
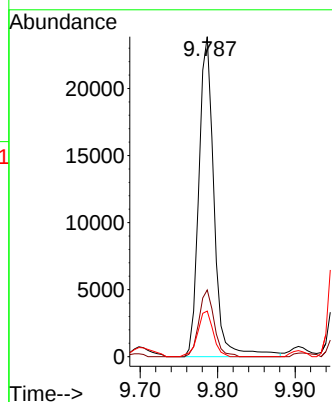
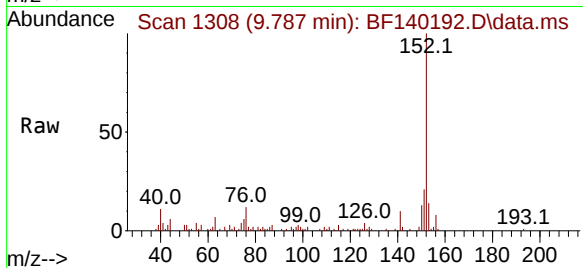
Tgt Ion:152 Resp: 32571

Ion Ratio Lower Upper

152 100

151 20.8 15.9 23.9

153 14.3 10.7 16.1



#51

2,6-Dinitrotoluene

Concen: 9.685 ng

RT: 9.922 min Scan# 1331

Delta R.T. 0.212 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

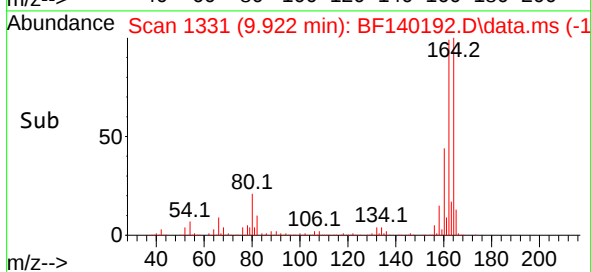
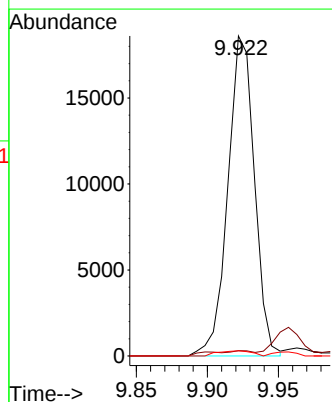
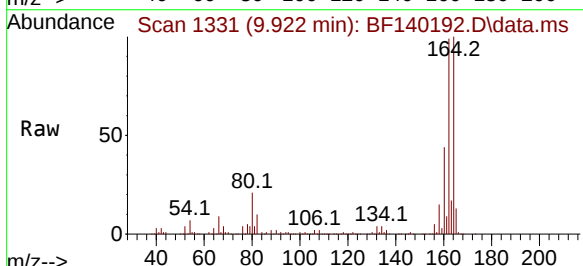
Tgt Ion:165 Resp: 24250

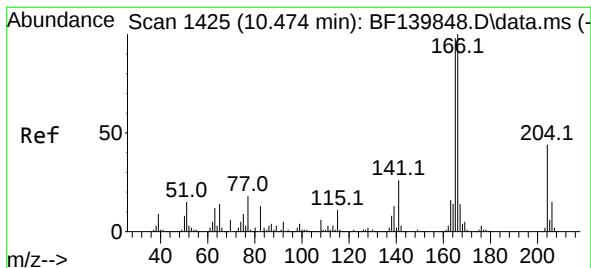
Ion Ratio Lower Upper

165 100

63 1.7 50.6 75.8#

89 1.6 47.5 71.3#





#58

Fluorene

Concen: 3.856 ng

RT: 10.475 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL

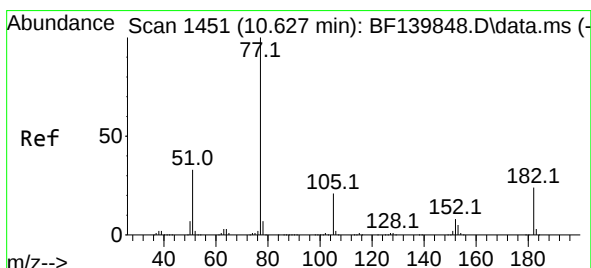
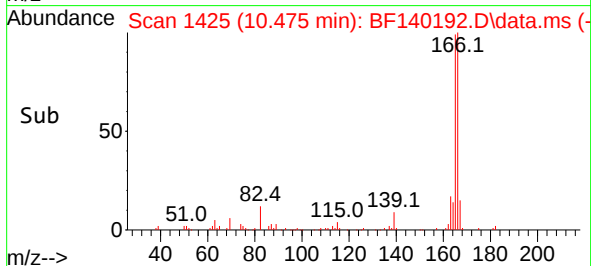
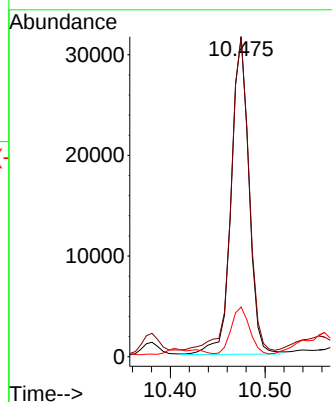
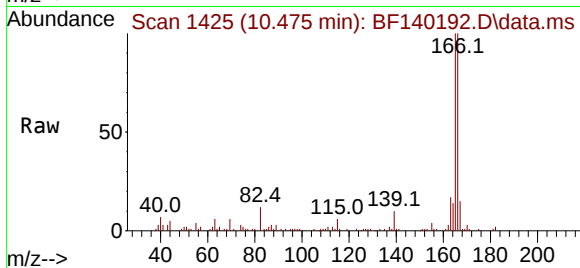
Tgt Ion:166 Resp: 41017

Ion Ratio Lower Upper

166 100

165 99.9 78.5 117.7

167 15.5 10.9 16.3



#63

Azobenzene

Concen: 2.231 ng

RT: 10.639 min Scan# 1453

Delta R.T. 0.012 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Tgt Ion: 77 Resp: 26851

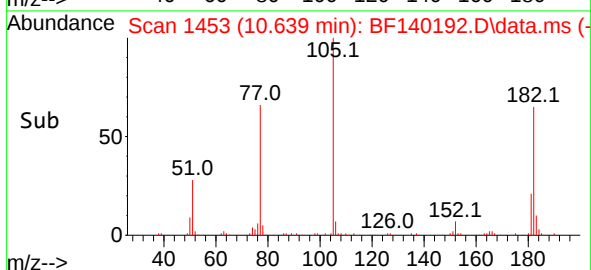
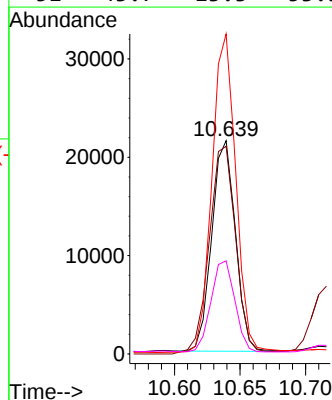
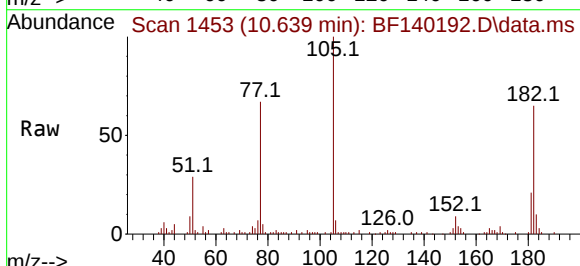
Ion Ratio Lower Upper

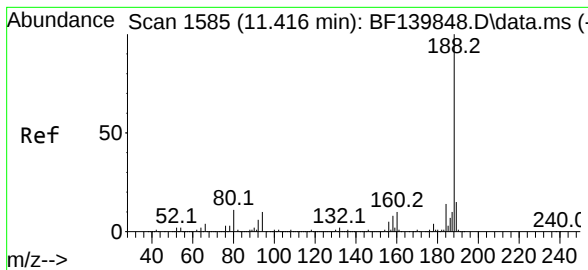
77 100

182 97.3 3.3 43.3#

105 150.0 1.2 41.2#

51 43.7 13.3 53.3

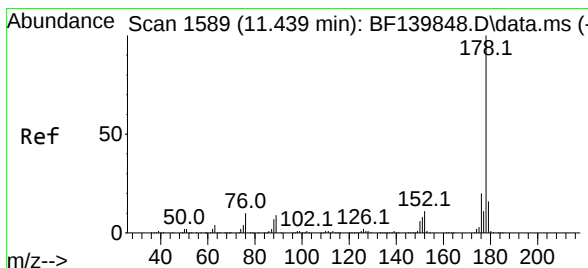
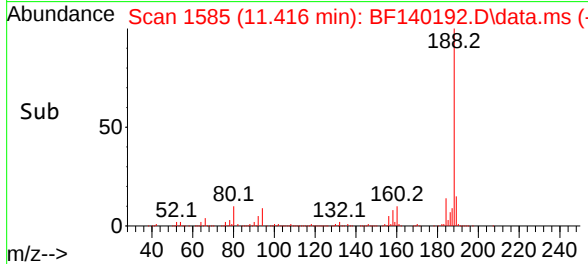
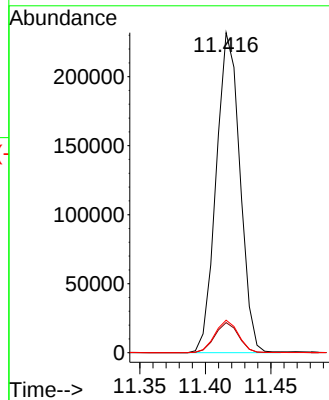
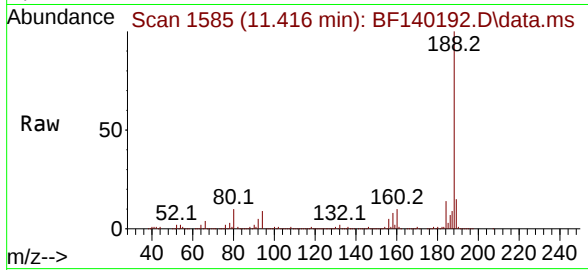




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

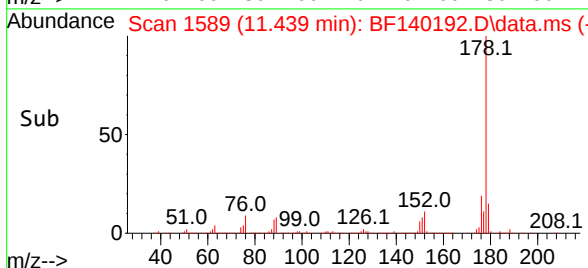
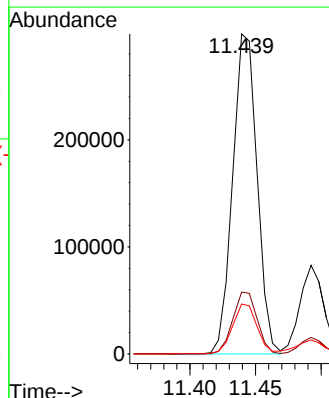
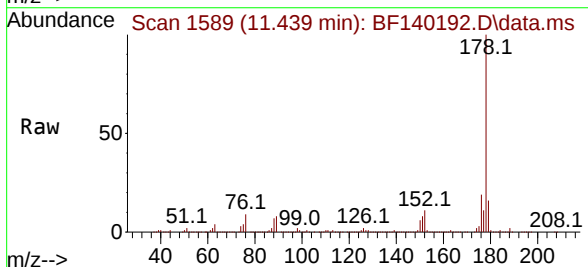
Instrument :
BNA_F
ClientSampleId :
SU-03-102924DL

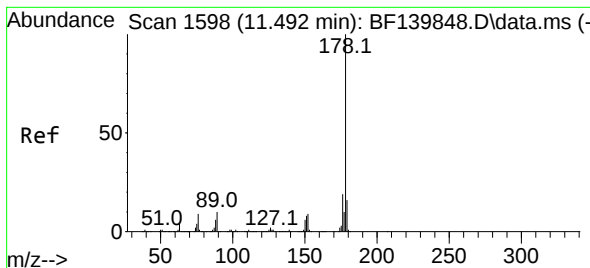
Tgt Ion:188 Resp: 292085
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.2 9.0 13.4



#71
Phenanthrene
Concen: 28.103 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Tgt Ion:178 Resp: 387730
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.6 12.6 18.8





#72

Anthracene

Concen: 7.673 ng

RT: 11.492 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL

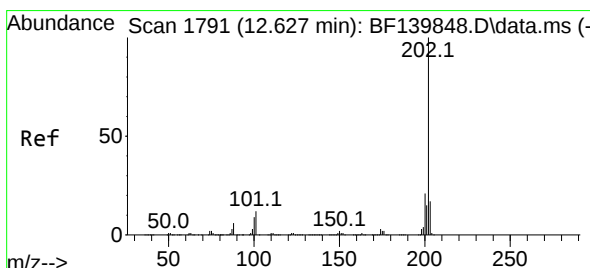
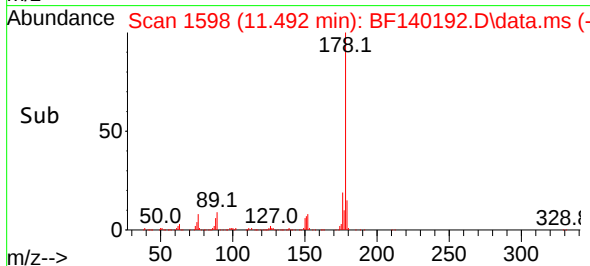
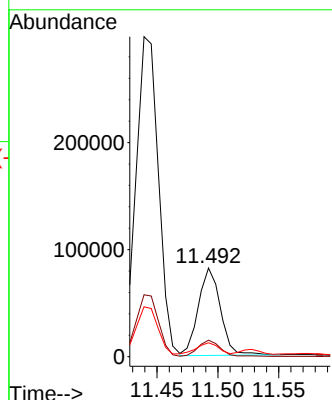
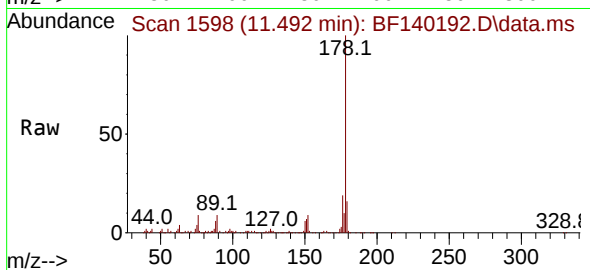
Tgt Ion:178 Resp: 103286

Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 15.8 12.4 18.6



#75

Fluoranthene

Concen: 46.242 ng

RT: 12.639 min Scan# 1793

Delta R.T. 0.012 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

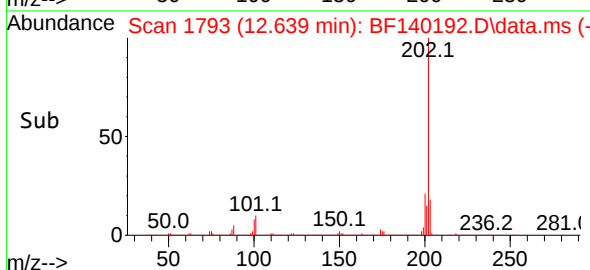
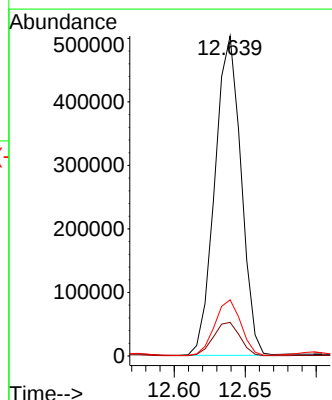
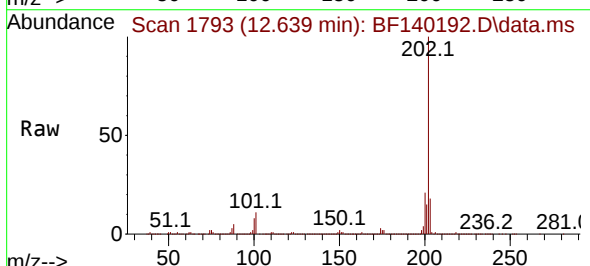
Tgt Ion:202 Resp: 644957

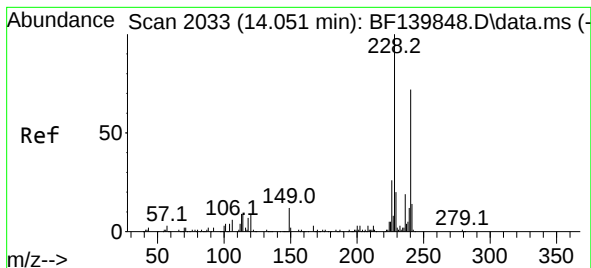
Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.9

203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2033

Delta R.T. 0.024 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL

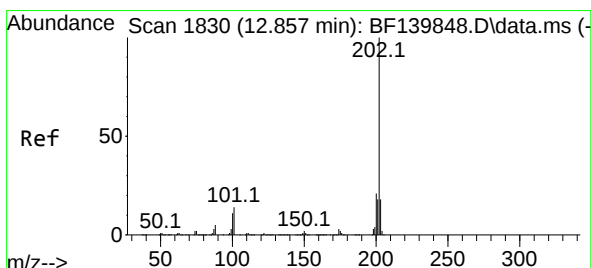
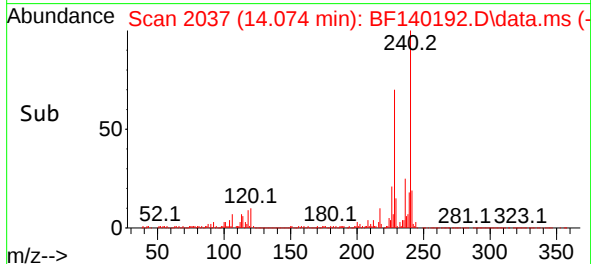
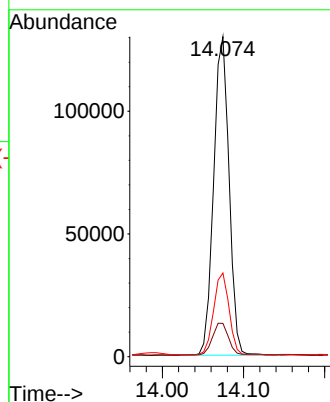
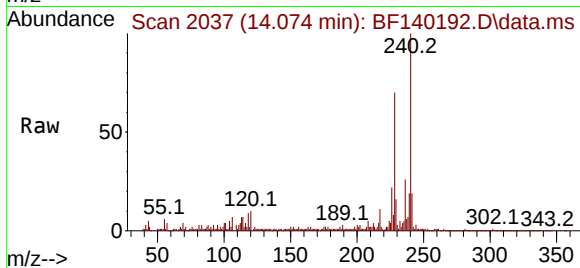
Tgt Ion:240 Resp: 171012

Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

236 26.2 20.9 31.3



#78

Pyrene

Concen: 40.889 ng

RT: 12.869 min Scan# 1832

Delta R.T. 0.012 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

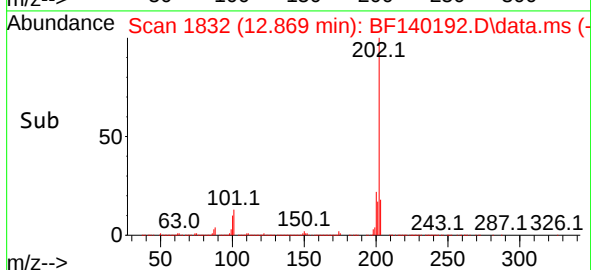
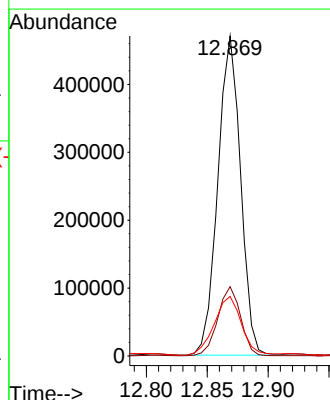
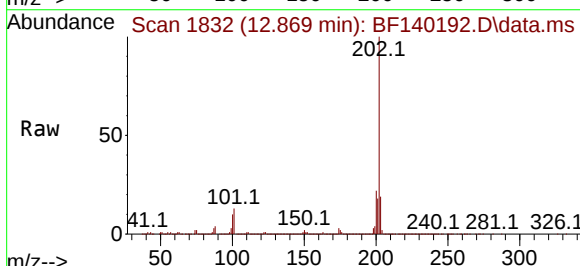
Tgt Ion:202 Resp: 612083

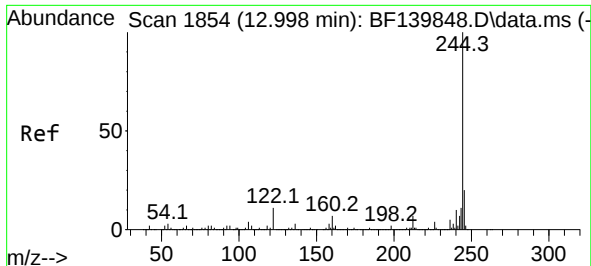
Ion Ratio Lower Upper

202 100

200 21.7 17.2 25.8

203 18.6 14.2 21.4

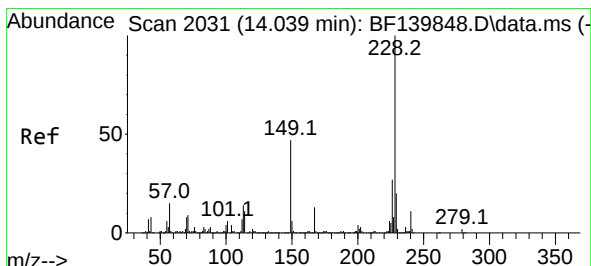
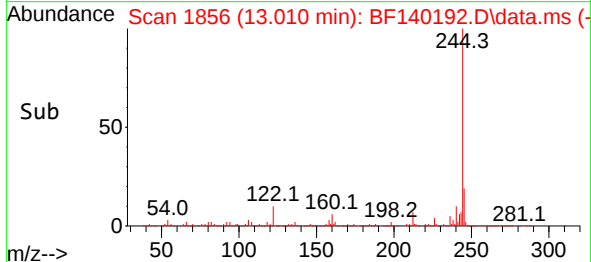
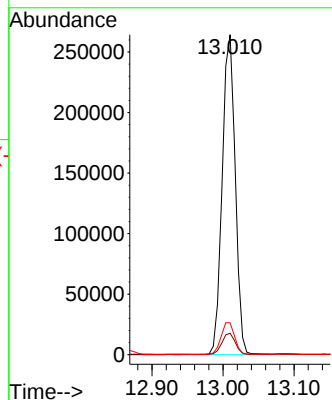
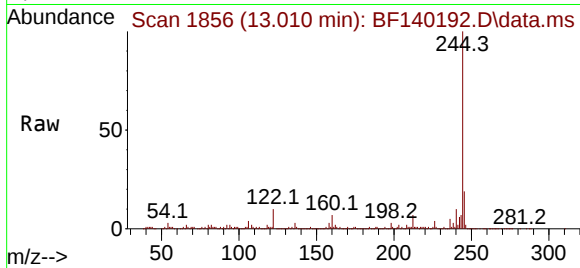




#79
 Terphenyl-d14
 Concen: 31.999 ng
 RT: 13.010 min Scan# 1856
 Delta R.T. 0.012 min
 Lab File: BF140192.D
 Acq: 31 Oct 2024 16:35

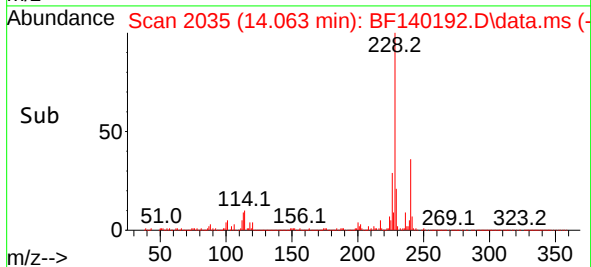
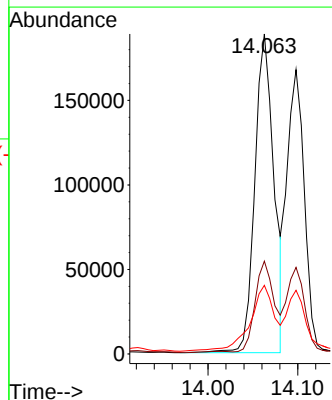
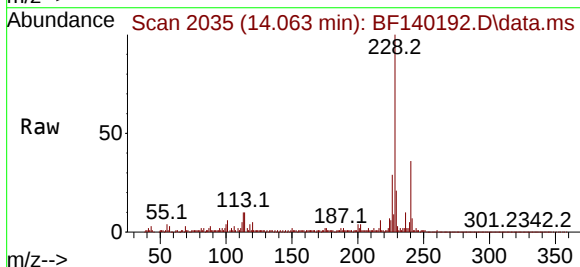
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-102924DL

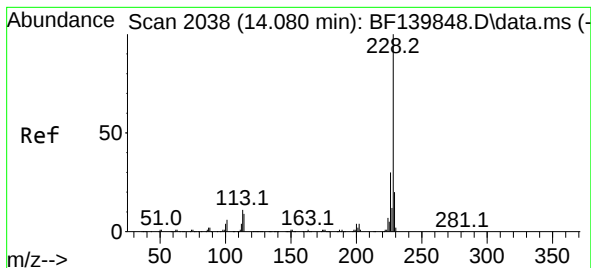
Tgt Ion:244 Resp: 335825
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 10.0 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 25.159 ng
 RT: 14.063 min Scan# 2035
 Delta R.T. 0.024 min
 Lab File: BF140192.D
 Acq: 31 Oct 2024 16:35

Tgt Ion:228 Resp: 280074
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.6 32.4
 229 21.4 16.1 24.1





#83

Chrysene

Concen: 21.817 ng

RT: 14.098 min Scan# 2038

Delta R.T. 0.018 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL

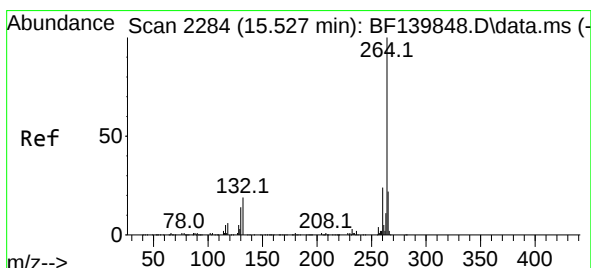
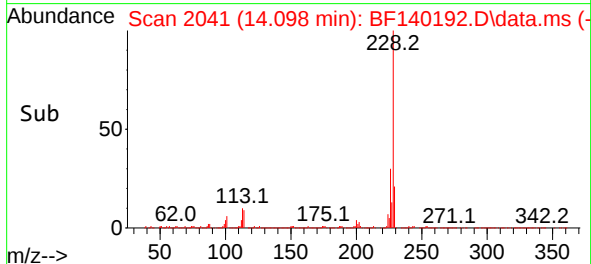
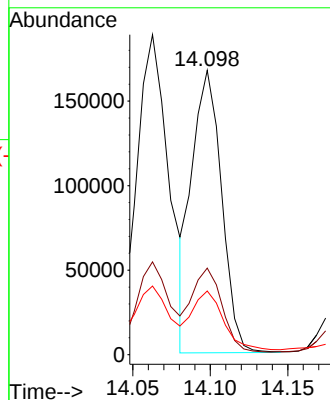
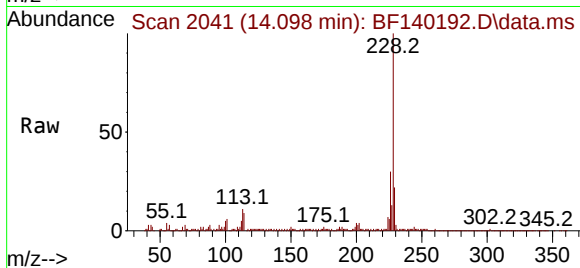
Tgt Ion:228 Resp: 222689

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

229 22.4 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 2294

Delta R.T. 0.059 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

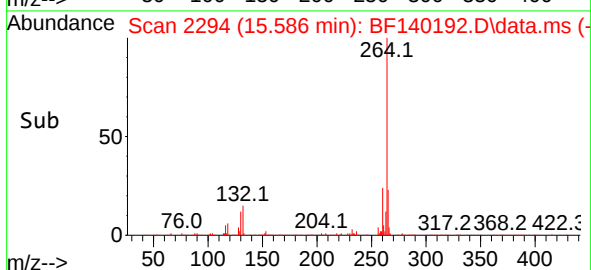
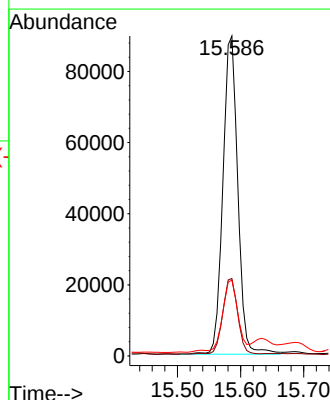
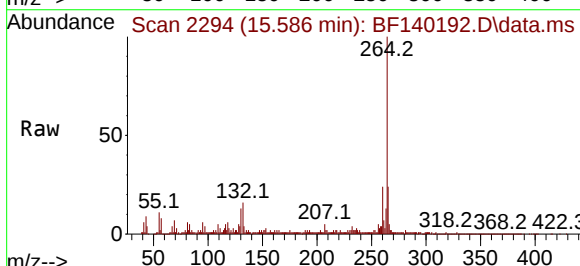
Tgt Ion:264 Resp: 146324

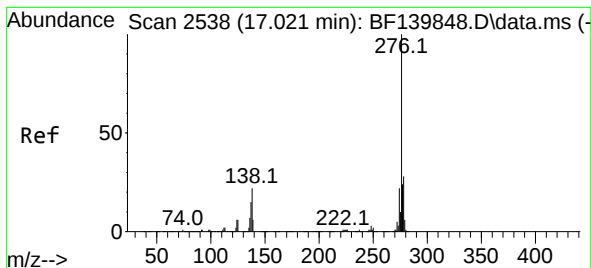
Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 23.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.276 ng

RT: 16.939 min Scan# 21

Delta R.T. -0.082 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL

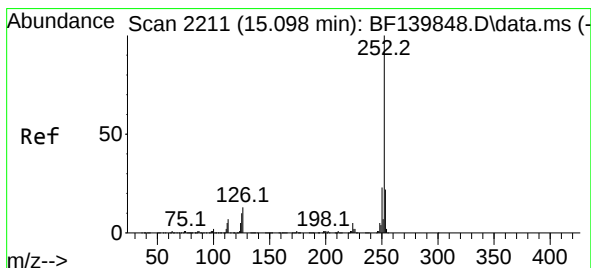
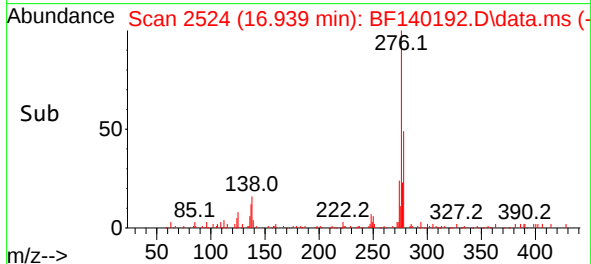
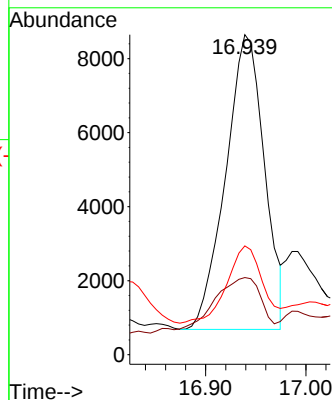
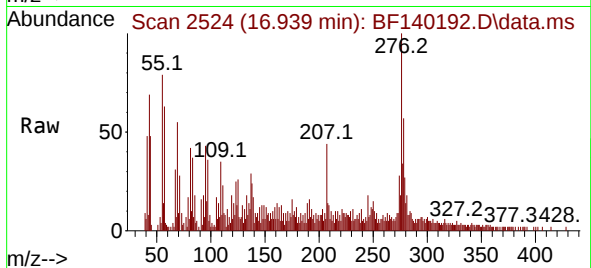
Tgt Ion:276 Resp: 21423

Ion Ratio Lower Upper

276 100

138 20.4 20.4 30.6

277 24.0 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 41.934 ng

RT: 15.145 min Scan# 2219

Delta R.T. 0.047 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

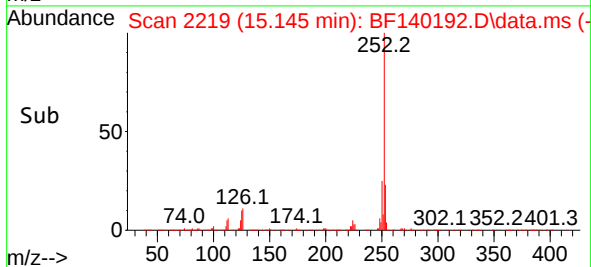
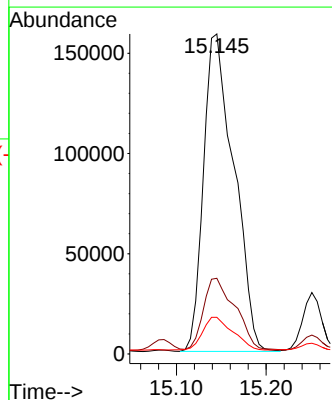
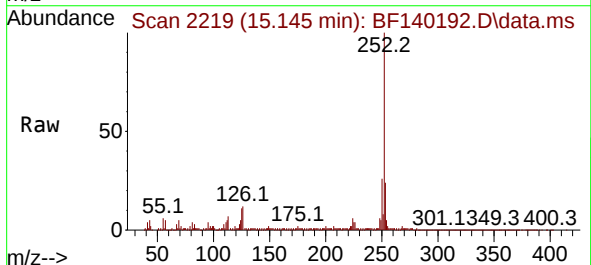
Tgt Ion:252 Resp: 373778

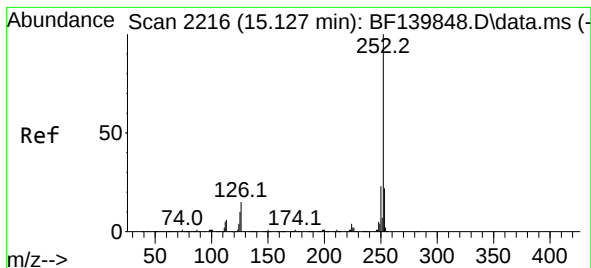
Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 11.5 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 48.624 ng

RT: 15.145 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

Instrument :

BNA_F

ClientSampleId :

SU-03-102924DL

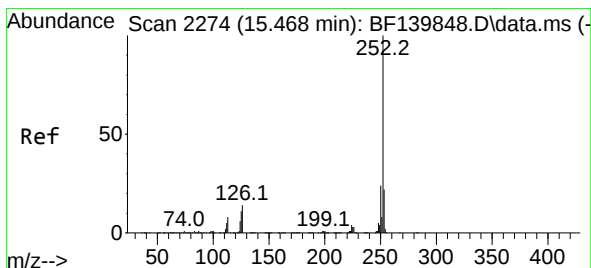
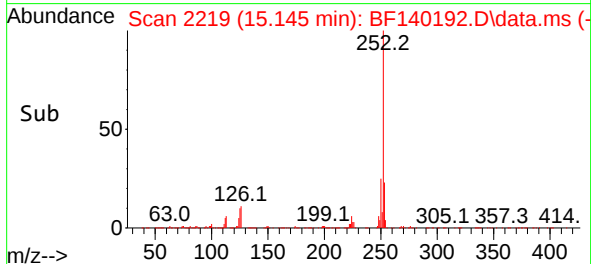
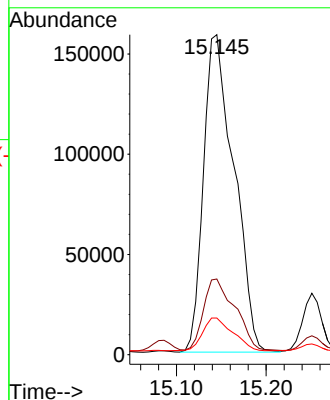
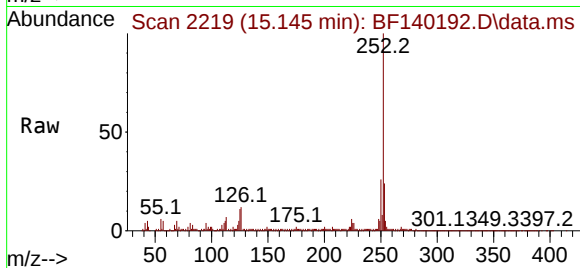
Tgt Ion:252 Resp: 373778

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 11.5 7.9 11.9



#90

Benzo(a)pyrene

Concen: 28.721 ng

RT: 15.521 min Scan# 2283

Delta R.T. 0.053 min

Lab File: BF140192.D

Acq: 31 Oct 2024 16:35

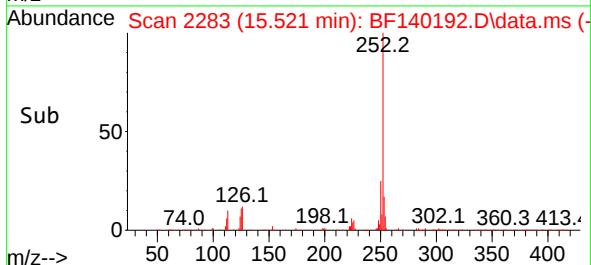
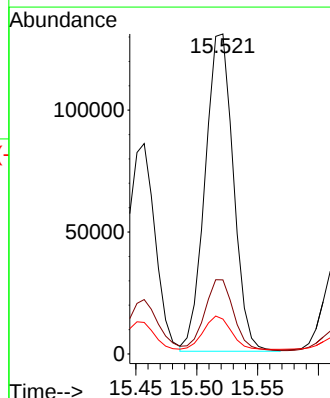
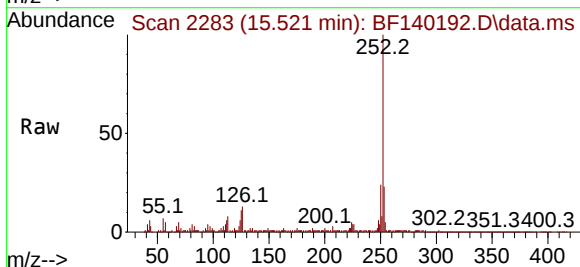
Tgt Ion:252 Resp: 210650

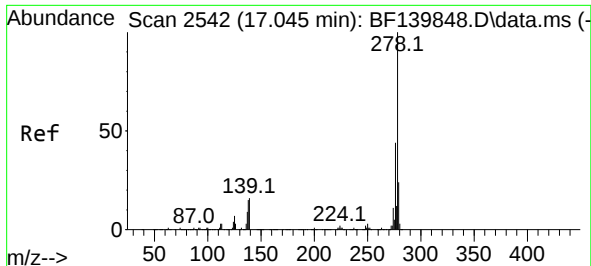
Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

125 10.9 8.7 13.1

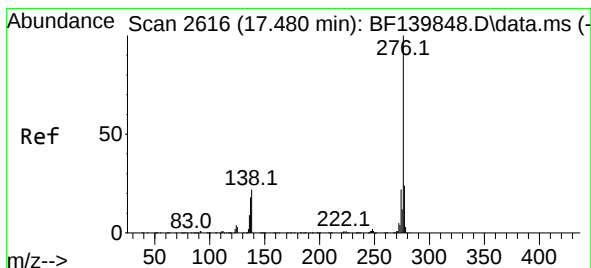
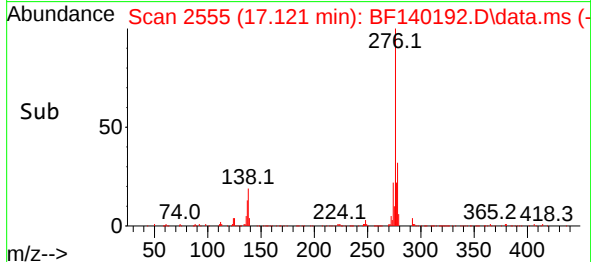
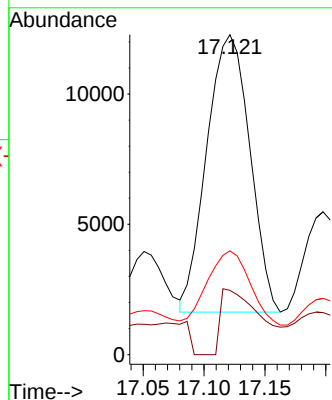
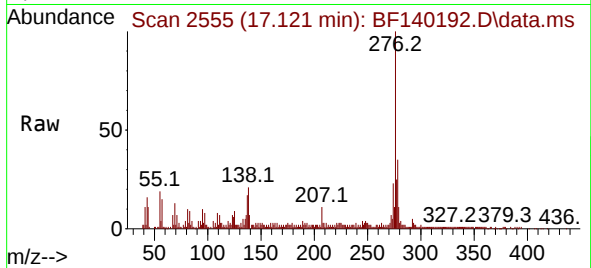




#91
Dibenzo(a,h)anthracene
Concen: 3.330 ng
RT: 17.121 min Scan# 21
Delta R.T. 0.077 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Instrument :
BNA_F
ClientSampleId :
SU-03-102924DL

Tgt Ion:278 Resp: 26148
Ion Ratio Lower Upper
278 100
139 20.1 13.1 19.7#
279 32.4 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 14.767 ng
RT: 17.568 min Scan# 2631
Delta R.T. 0.088 min
Lab File: BF140192.D
Acq: 31 Oct 2024 16:35

Tgt Ion:276 Resp: 115834
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.6
138 21.5 17.4 26.0

