

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
 Data File : BF139162.D
 Acq On : 26 Aug 2024 11:21
 Operator : RC/JU
 Sample : P3641-03DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-908-K1-0-0.5-081524DL

Quant Time: Aug 26 11:52:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

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

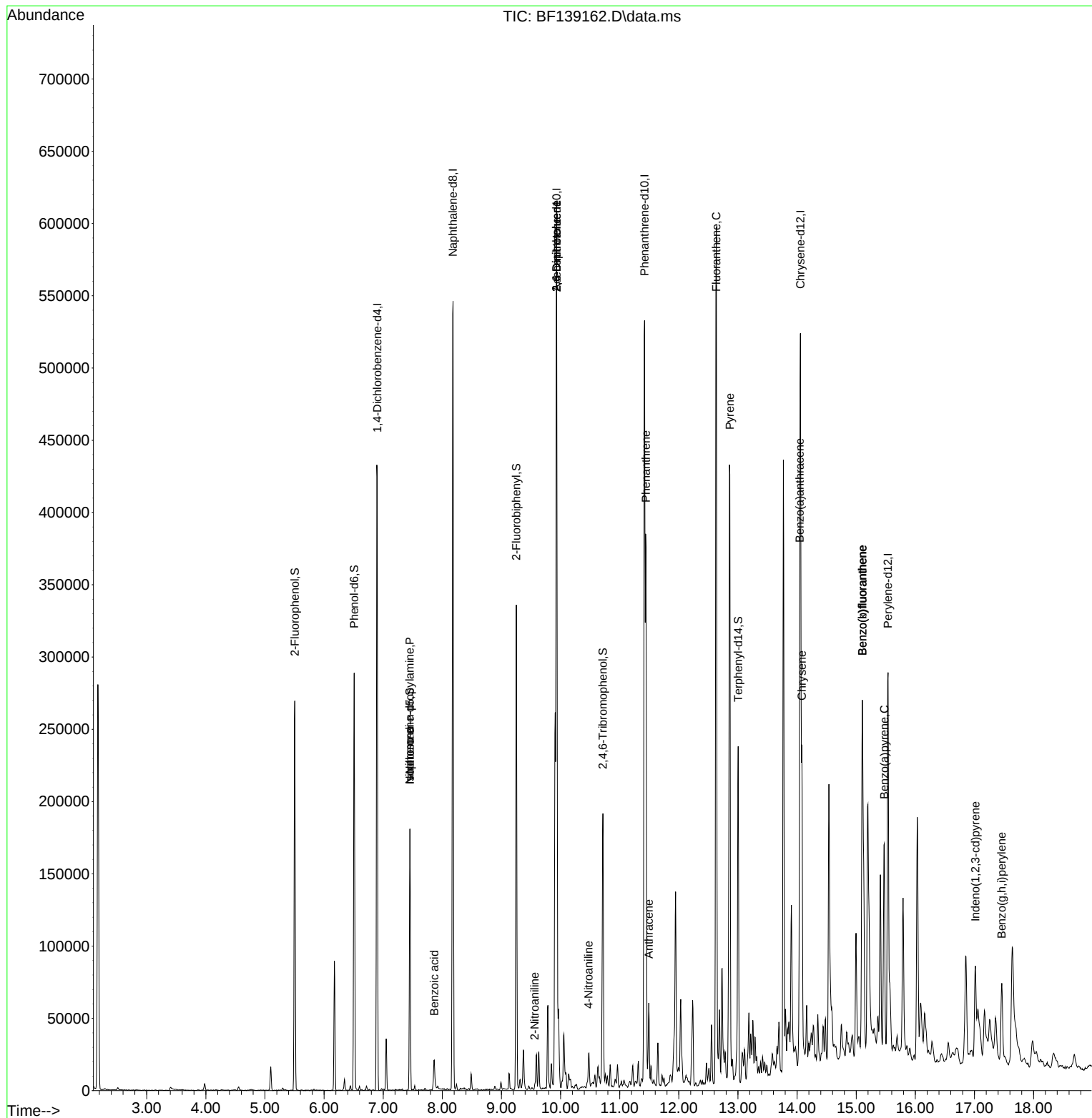
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	86976	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	322158	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	175843	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	273548	20.000	ng	0.00
76) Chrysene-d12	14.057	240	164330	20.000	ng	0.00
86) Perylene-d12	15.539	264	152045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	91343	16.158	ng	0.00
7) Phenol-d6	6.510	99	117987	16.152	ng	-0.01
23) Nitrobenzene-d5	7.451	82	75586	13.672	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	23223	14.588	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	139212	12.561	ng	0.00
79) Terphenyl-d14	13.004	244	104353	10.537	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	10163	2.119	ng	# 76
25) Isophorone	7.451	82	75348	6.412	ng	# 69
32) Benzoic acid	7.863	122	6416	10.055	ng	95
48) 2-Nitroaniline	9.563	65	53	5.674	ng	# 11
51) 2,6-Dinitrotoluene	9.933	165	22769	13.990	ng	# 17
57) 2,4-Dinitrotoluene	9.933	165	22769	12.922	ng	# 17
62) 4-Nitroaniline	10.475	138	114	3.757	ng	# 9
71) Phenanthrene	11.445	178	195704	14.076	ng	99
72) Anthracene	11.492	178	30424	2.237	ng	98
75) Fluoranthene	12.633	202	325152	21.910	ng	99
78) Pyrene	12.863	202	246529	17.977	ng	99
81) Benzo(a)anthracene	14.045	228	106837	9.890	ng	98
83) Chrysene	14.080	228	112190	11.458	ng	99
87) Indeno(1,2,3-cd)pyrene	17.015	276	50143	5.635	ng	99
88) Benzo(b)fluoranthene	15.104	252	209710	21.156	ng	100
89) Benzo(k)fluoranthene	15.104	252	209710	25.402	ng	100
90) Benzo(a)pyrene	15.474	252	86963	11.103	ng	98
92) Benzo(g,h,i)perylene	17.462	276	48970	8.321	ng	99

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

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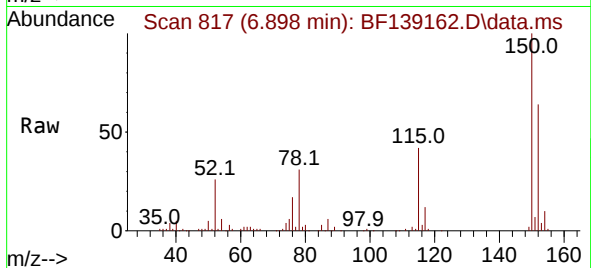
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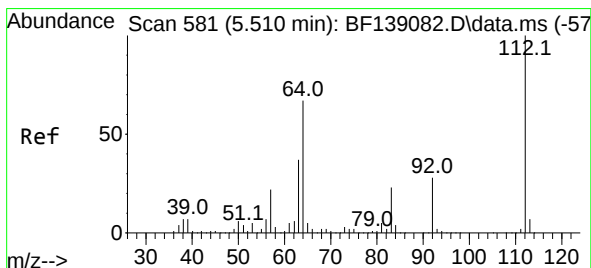
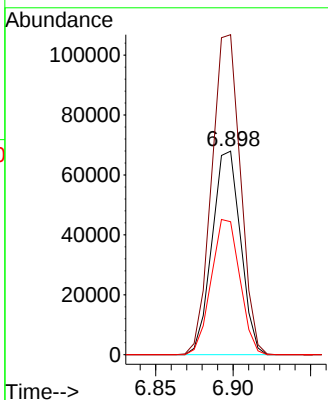
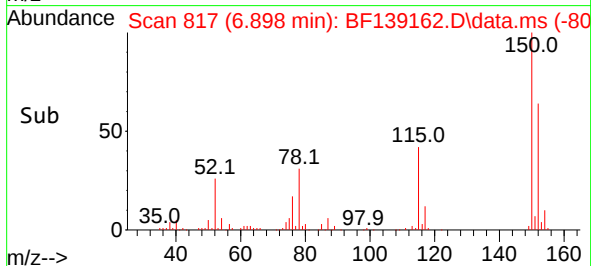


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

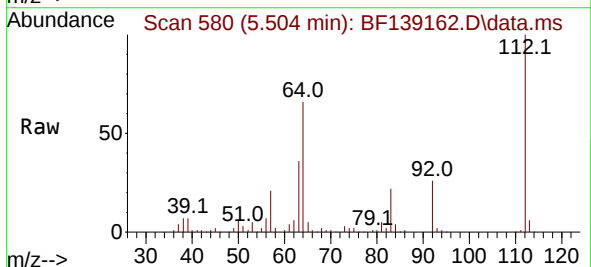
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL



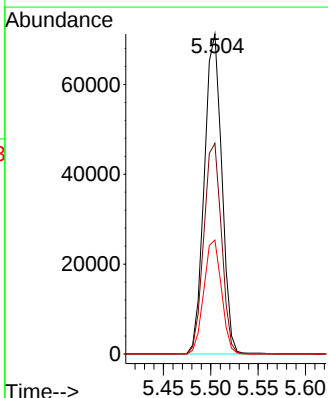
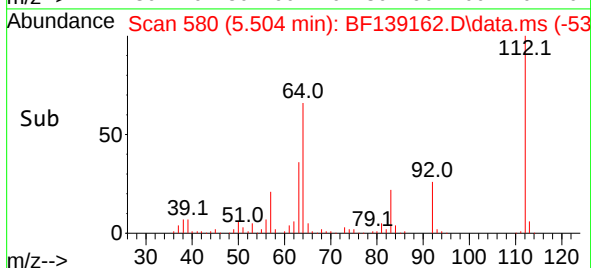
Tgt Ion:152 Resp: 86976
Ion Ratio Lower Upper
152 100
150 157.2 125.1 187.7
115 65.3 51.8 77.6



#5
2-Fluorophenol
Concen: 16.158 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.006 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21



Tgt Ion:112 Resp: 91343
Ion Ratio Lower Upper
112 100
64 65.8 53.8 80.6
63 35.6 29.4 44.2

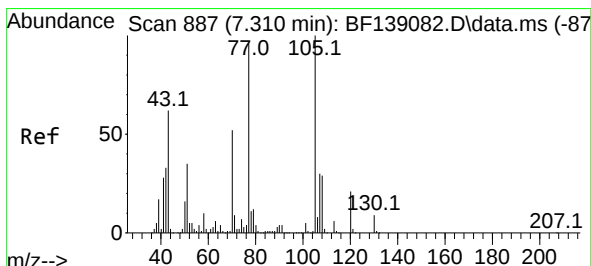
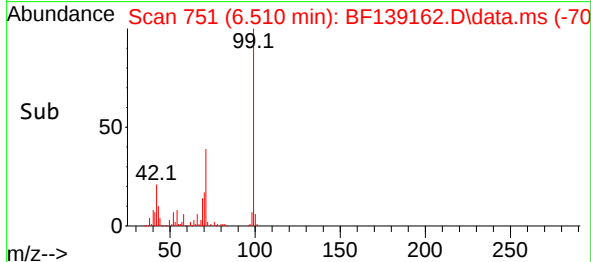
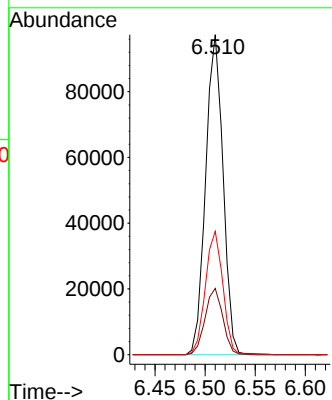
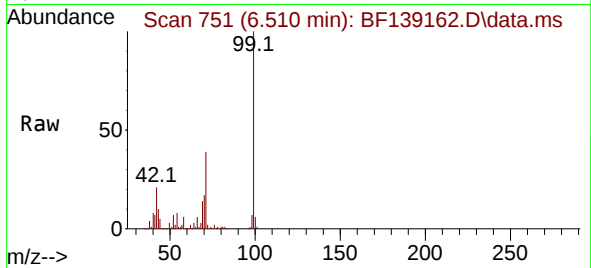




#7
Phenol-d6
Concen: 16.152 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

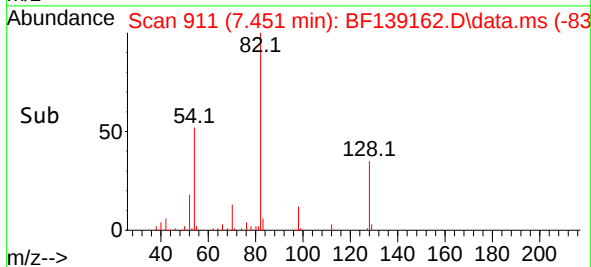
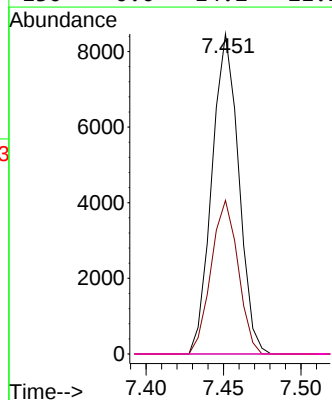
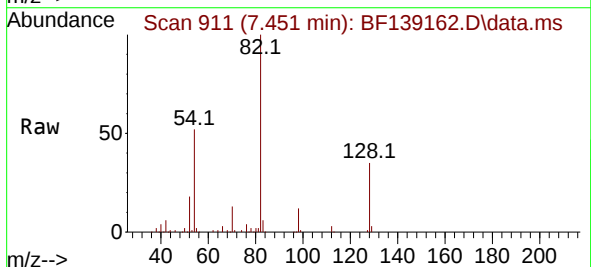
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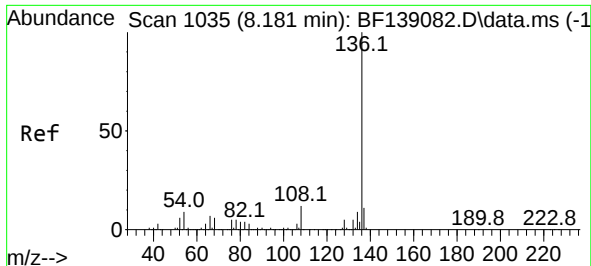
Tgt Ion: 99 Resp: 117987
Ion Ratio Lower Upper
99 100
42 20.7 17.4 26.2
71 38.5 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.119 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

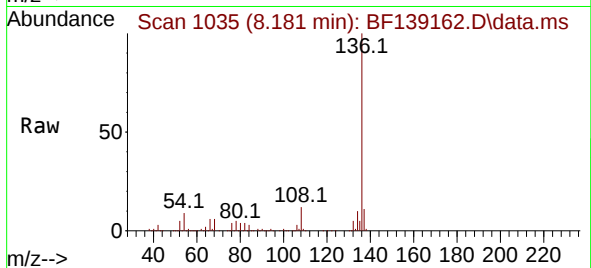
Tgt Ion: 70 Resp: 10163
Ion Ratio Lower Upper
70 100
42 48.0 50.5 75.7#
101 0.0 7.2 10.8#
130 0.0 14.2 21.2#





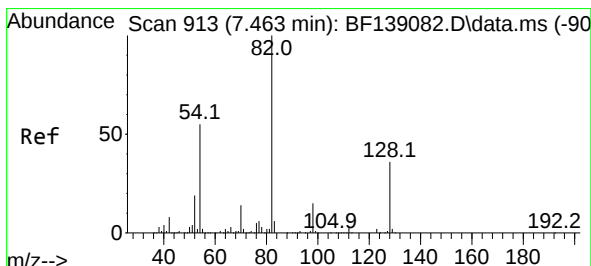
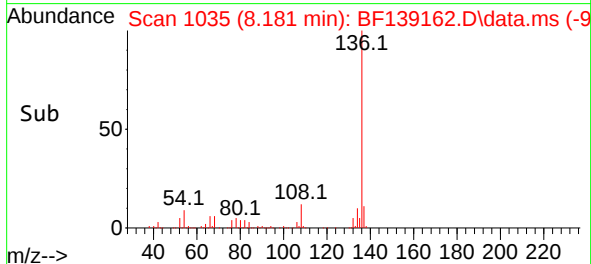
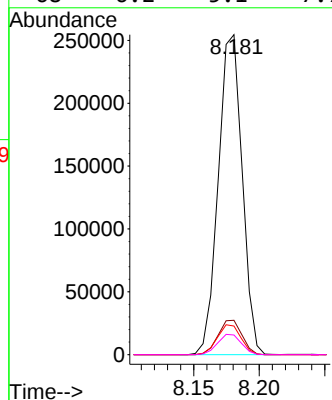
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL



Tgt Ion: 136 Resp: 322158

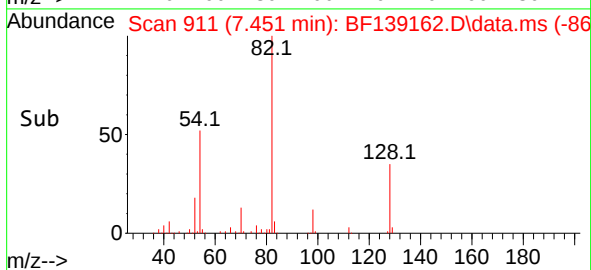
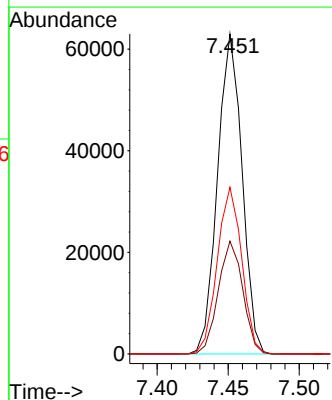
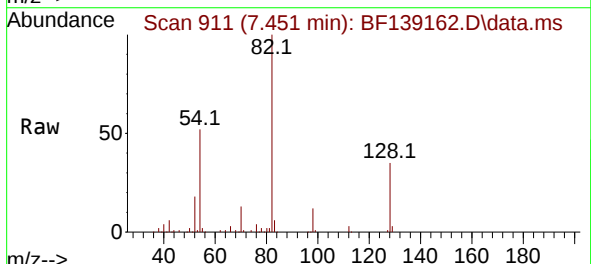
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.0	7.6	11.4
68	6.2	5.1	7.7

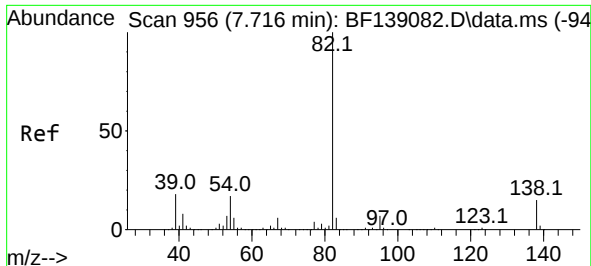


#23
Nitrobenzene-d5
Concen: 13.672 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

Tgt Ion: 82 Resp: 75586

Ion	Ratio	Lower	Upper
82	100		
128	35.3	29.0	43.4
54	52.1	43.4	65.2

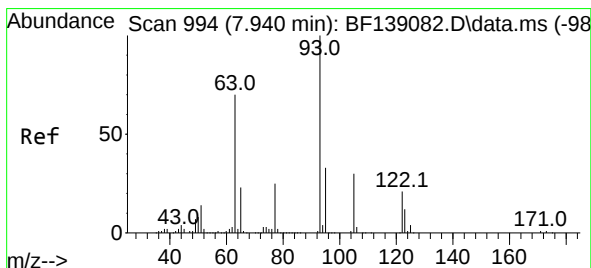
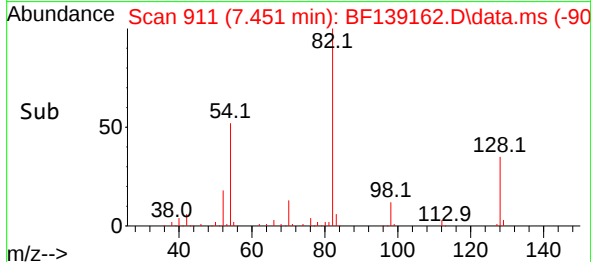
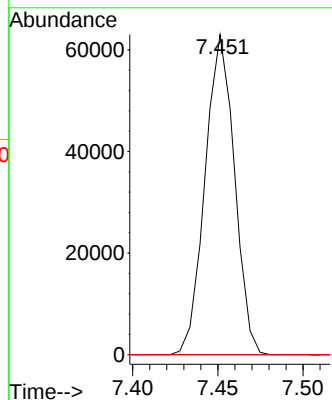
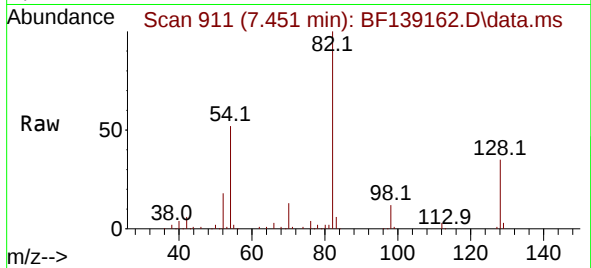




#25
Isophorone
Concen: 6.412 ng
RT: 7.451 min Scan# 911
Delta R.T. -0.265 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

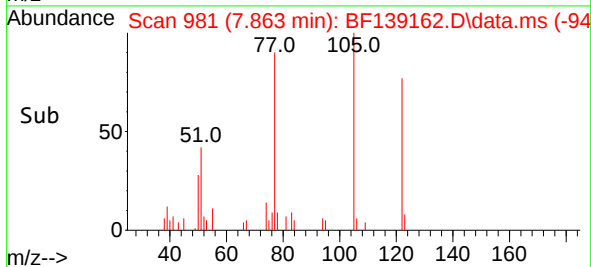
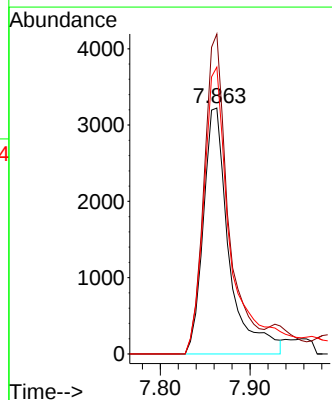
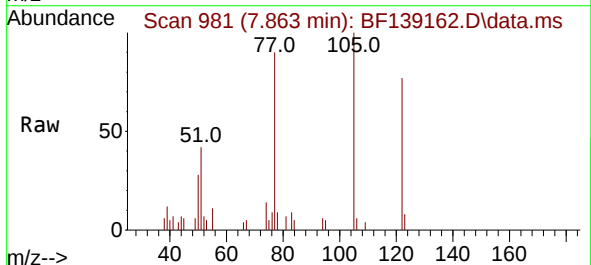
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL

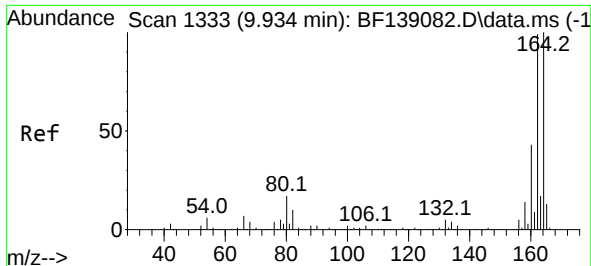
Tgt Ion: 82 Resp: 75348
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 10.055 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.077 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

Tgt Ion: 122 Resp: 6416
Ion Ratio Lower Upper
122 100
105 130.1 119.6 159.6
77 116.6 97.6 137.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.001 min

Lab File: BF139162.D

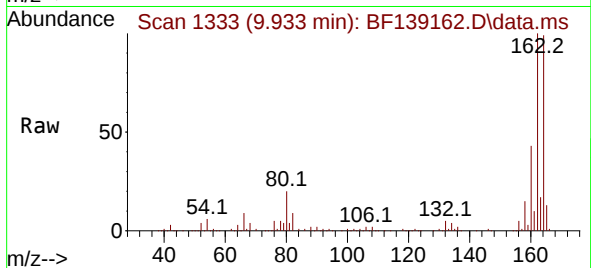
Acq: 26 Aug 2024 11:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524DL



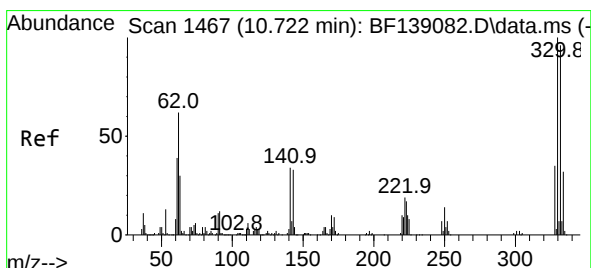
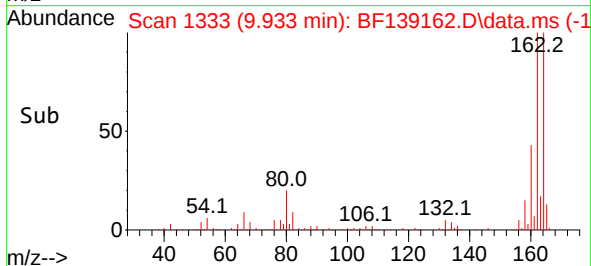
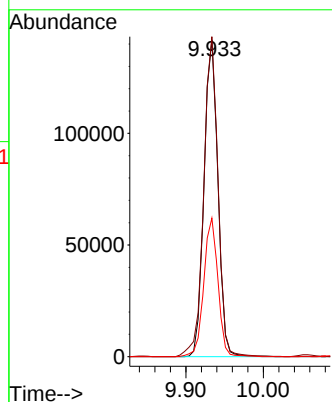
Tgt Ion:164 Resp: 175843

Ion Ratio Lower Upper

164 100

162 100.9 79.5 119.3

160 43.7 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 14.588 ng

RT: 10.716 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

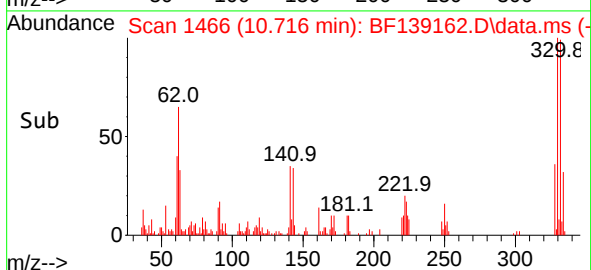
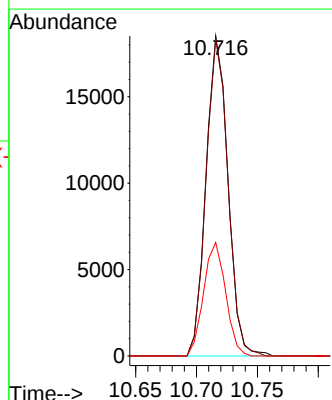
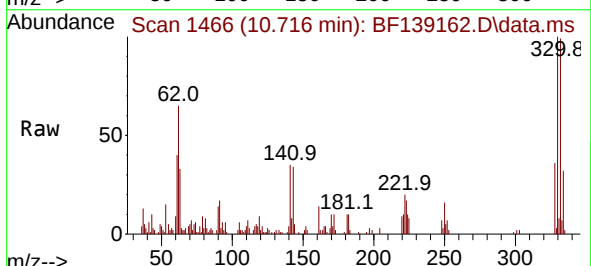
Tgt Ion:330 Resp: 23223

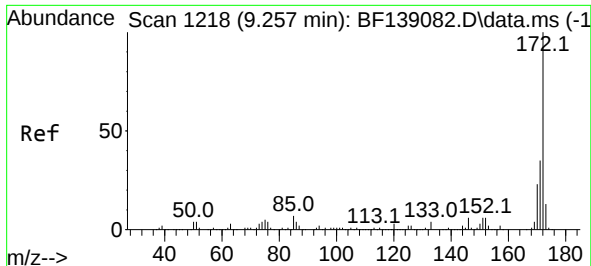
Ion Ratio Lower Upper

330 100

332 98.6 77.0 115.6

141 35.5 27.5 41.3





#45

2-Fluorobiphenyl

Concen: 12.561 ng

RT: 9.251 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524DL

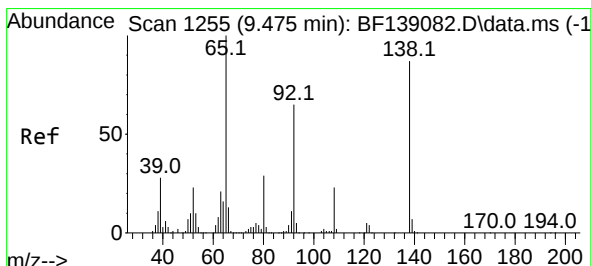
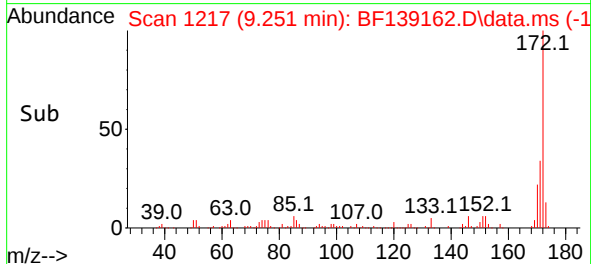
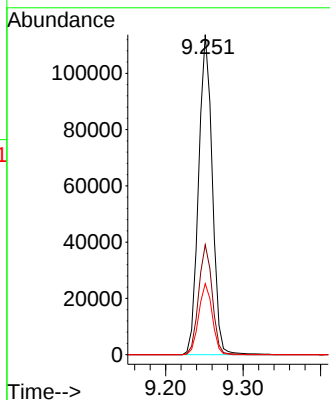
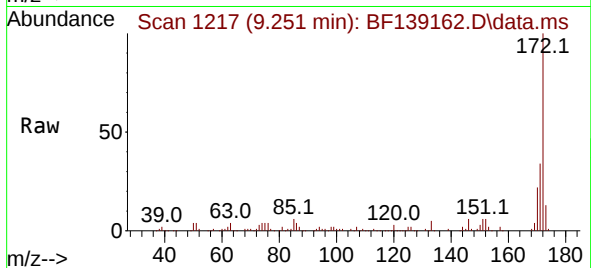
Tgt Ion:172 Resp: 139212

Ion Ratio Lower Upper

172 100

171 34.3 28.4 42.6

170 22.2 18.8 28.2



#48

2-Nitroaniline

Concen: 5.674 ng

RT: 9.563 min Scan# 1270

Delta R.T. 0.088 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

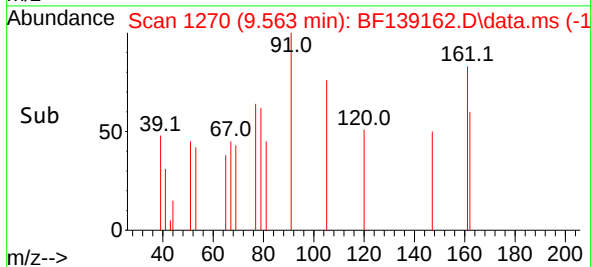
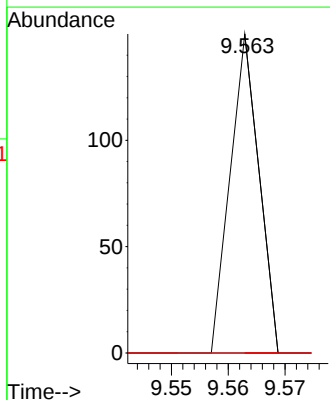
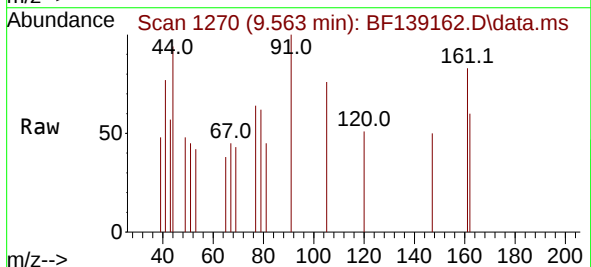
Tgt Ion: 65 Resp: 53

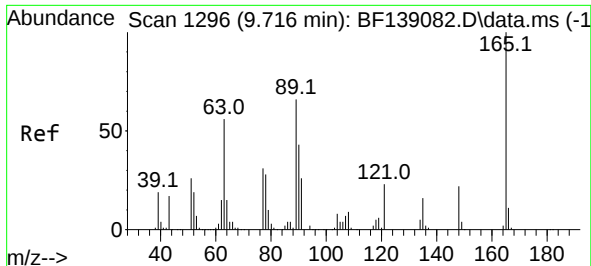
Ion Ratio Lower Upper

65 100

92 0.0 52.4 78.6#

138 0.0 69.4 104.0#

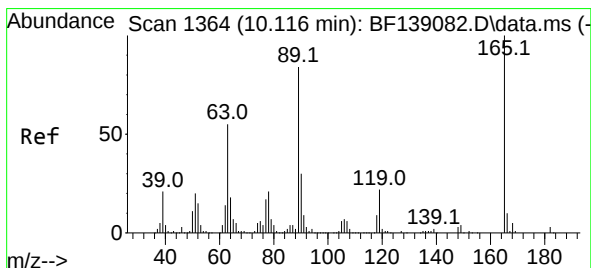
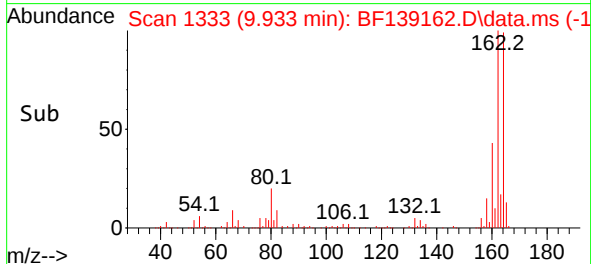
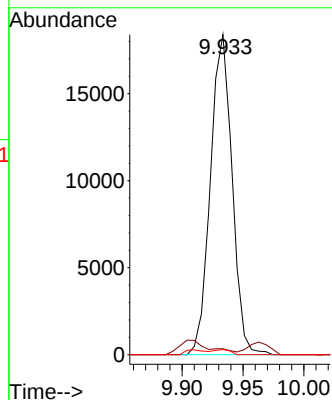
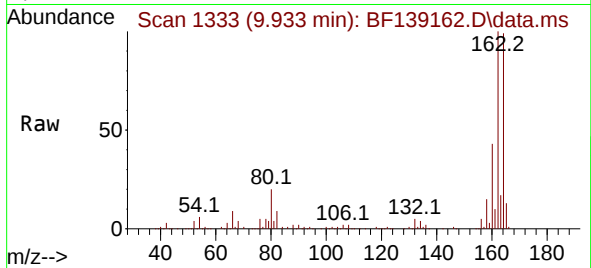




#51
2,6-Dinitrotoluene
Concen: 13.990 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

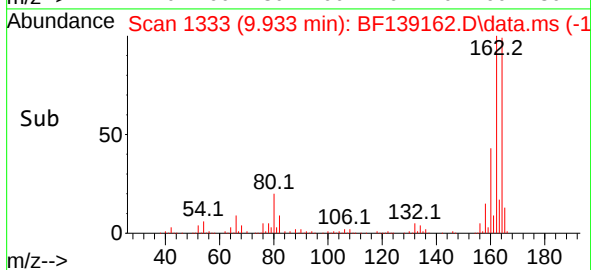
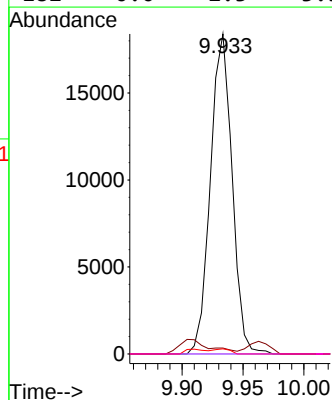
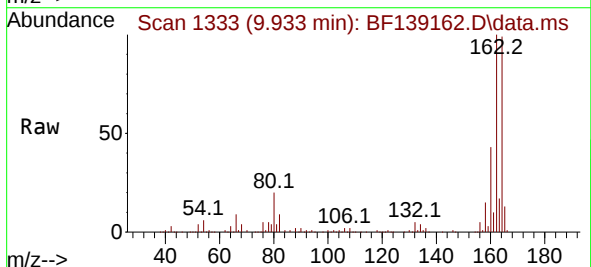
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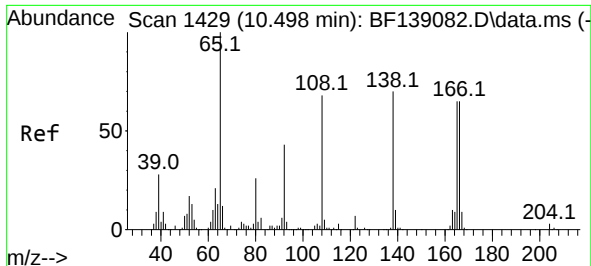
Tgt Ion:165 Resp: 22769
Ion Ratio Lower Upper
165 100
63 1.9 58.0 87.0#
89 1.6 53.3 79.9#



#57
2,4-Dinitrotoluene
Concen: 12.922 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.183 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

Tgt Ion:165 Resp: 22769
Ion Ratio Lower Upper
165 100
63 1.9 44.2 66.4#
89 1.6 67.4 101.2#
182 0.0 2.3 3.5#

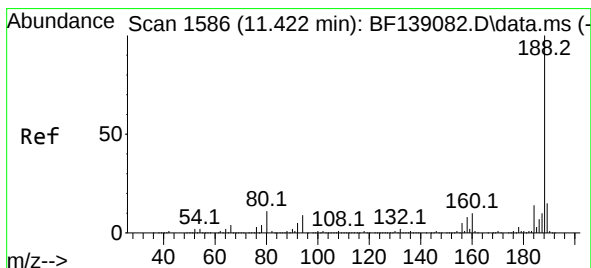
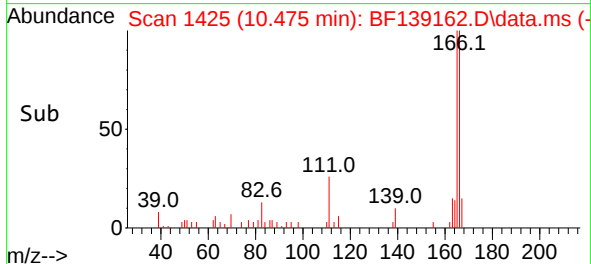
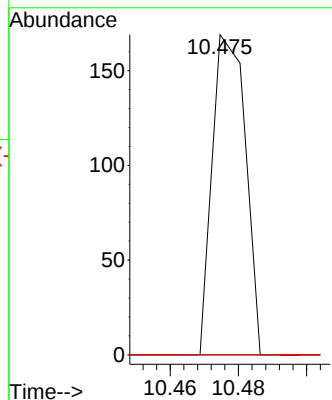
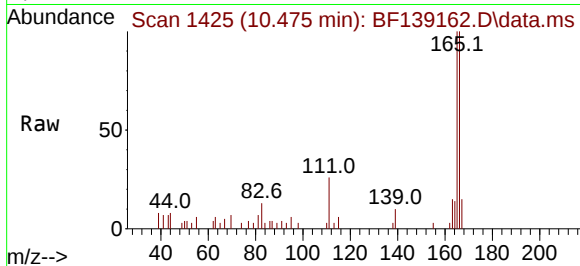




#62
4-Nitroaniline
Concen: 3.757 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.023 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

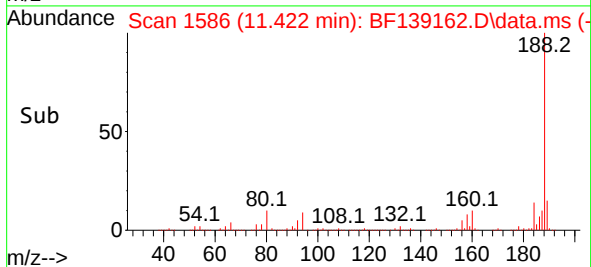
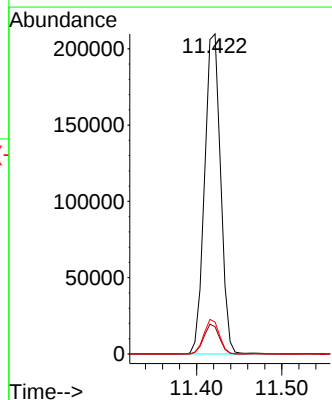
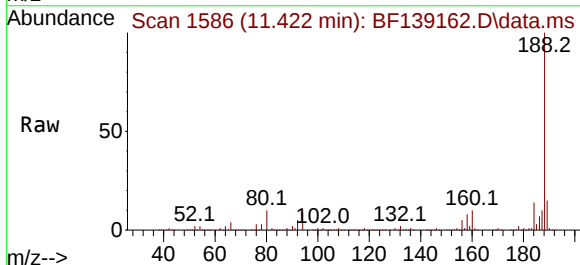
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL

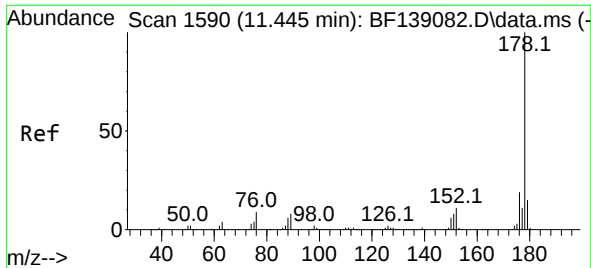
Tgt Ion:138 Resp: 114
Ion Ratio Lower Upper
138 100
92 0.0 41.4 81.4#
108 0.0 76.8 116.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

Tgt Ion:188 Resp: 273548
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 9.9 8.5 12.7

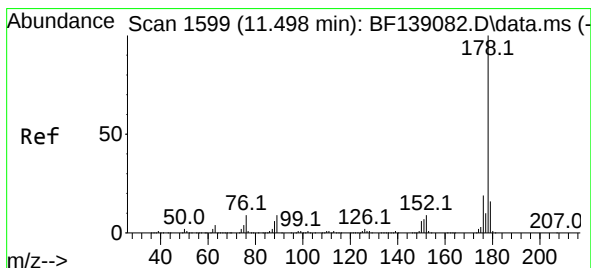
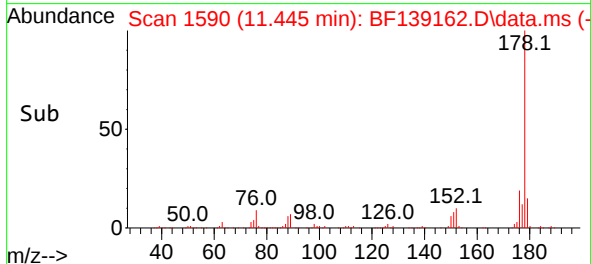
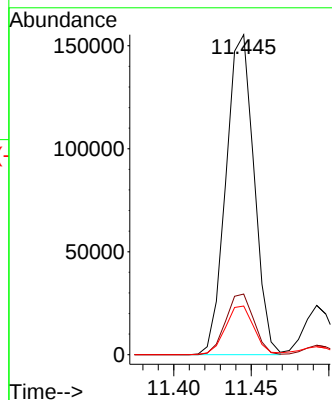
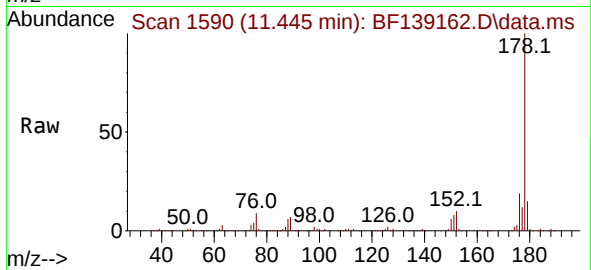




#71
Phenanthrene
Concen: 14.076 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

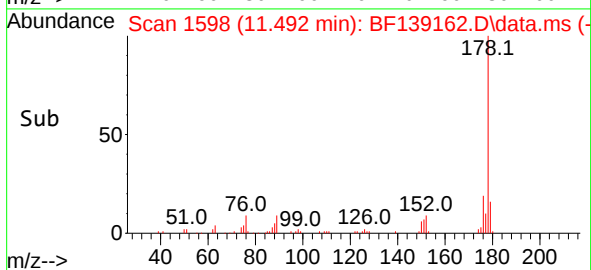
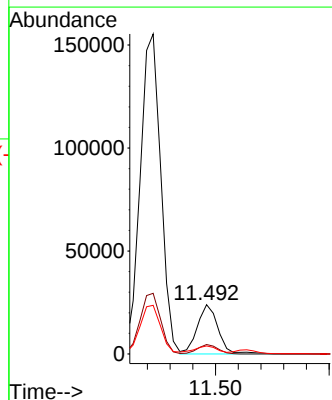
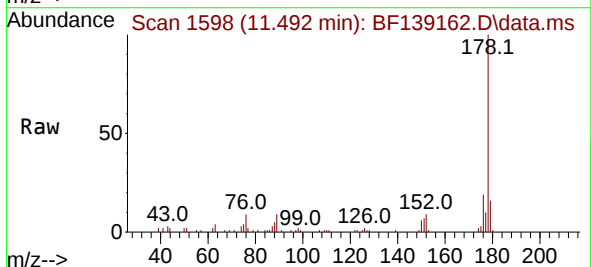
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL

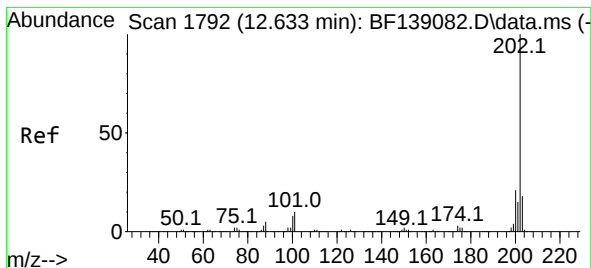
Tgt Ion:178 Resp: 195704
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.2 12.3 18.5



#72
Anthracene
Concen: 2.237 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

Tgt Ion:178 Resp: 30424
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.4
179 16.4 12.4 18.6

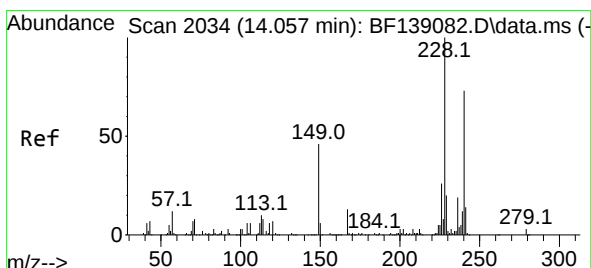
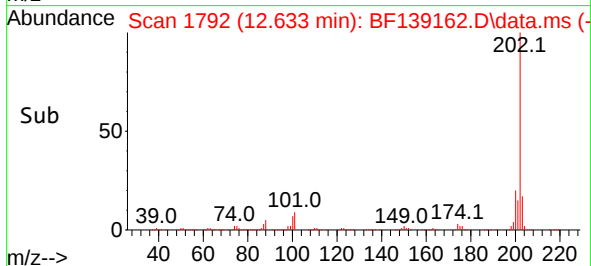
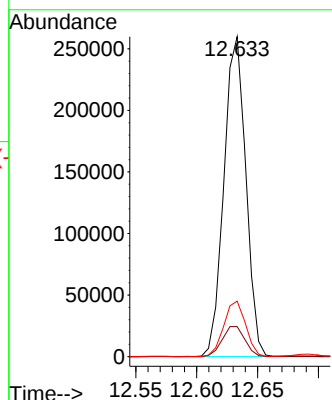
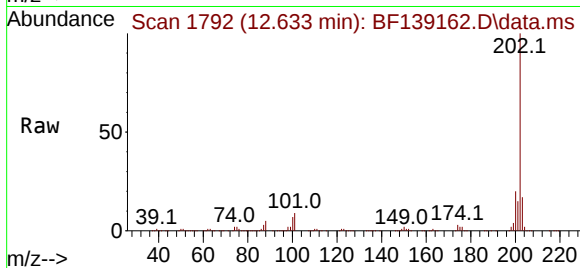




#75
Fluoranthene
Concen: 21.910 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

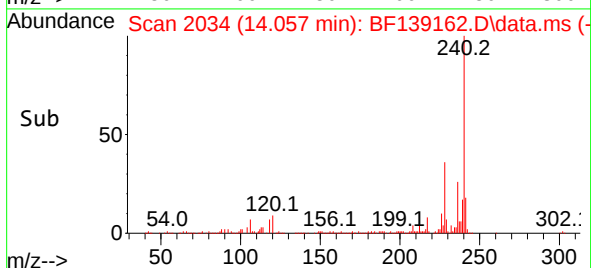
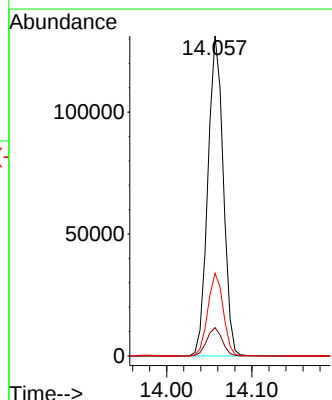
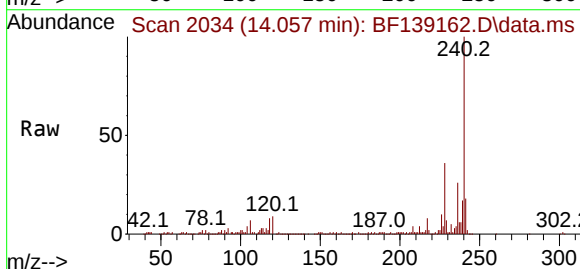
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL

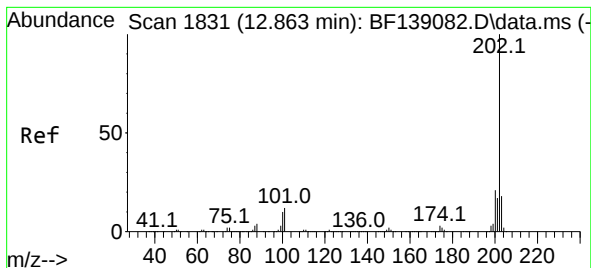
Tgt Ion:202 Resp: 325152
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.2
203 17.3 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

Tgt Ion:240 Resp: 164330
Ion Ratio Lower Upper
240 100
120 8.8 7.8 11.6
236 25.9 20.9 31.3





#78

Pyrene

Concen: 17.977 ng

RT: 12.863 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524DL

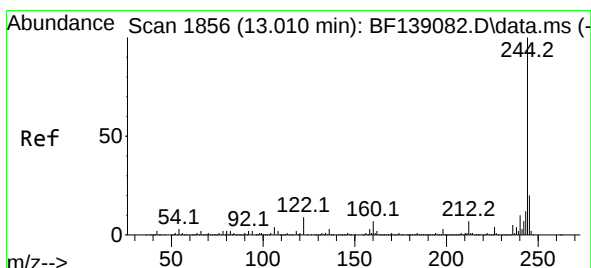
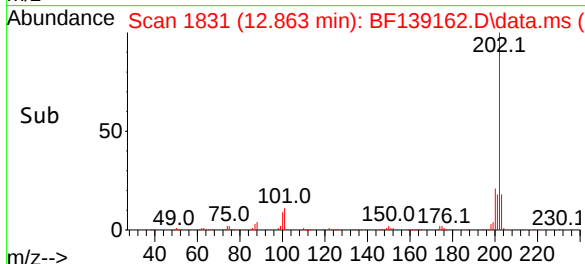
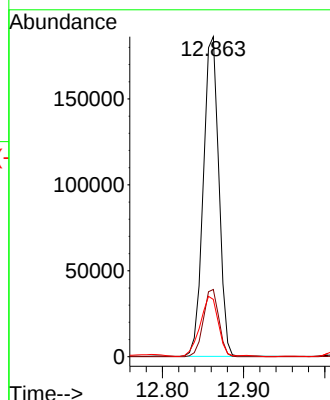
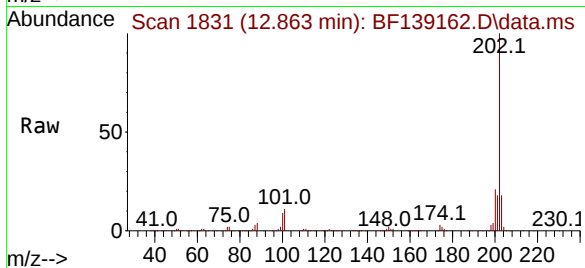
Tgt Ion:202 Resp: 246529

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

203 17.9 14.1 21.1



#79

Terphenyl-d14

Concen: 10.537 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

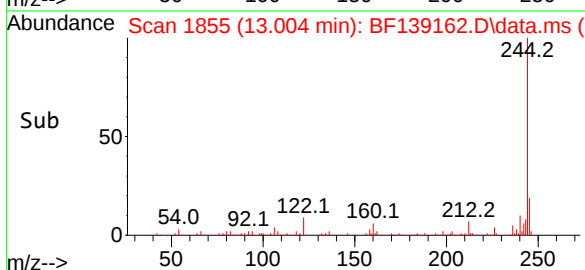
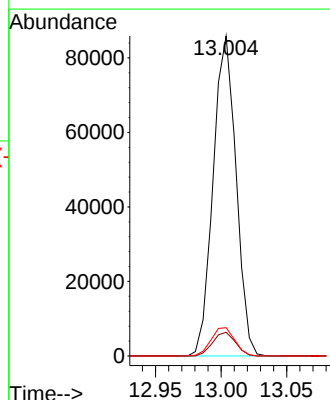
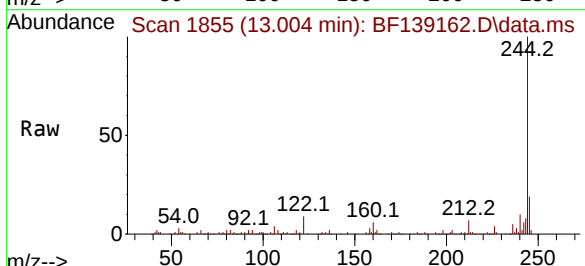
Tgt Ion:244 Resp: 104353

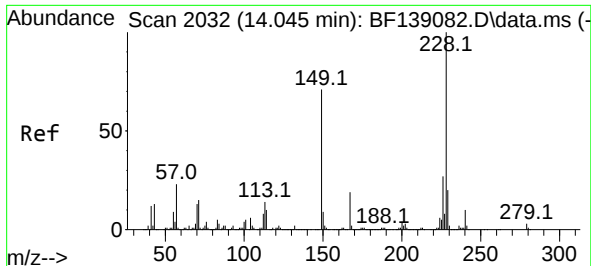
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 8.8 7.6 11.4

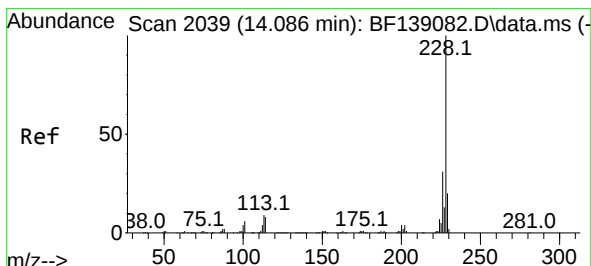
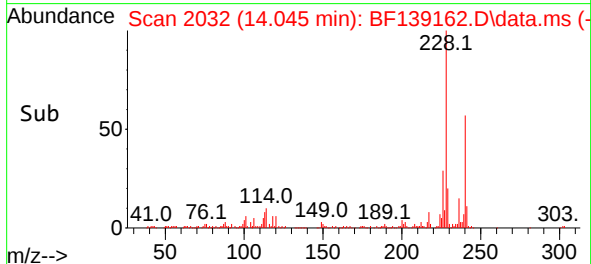
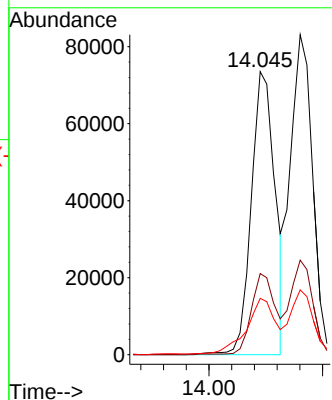
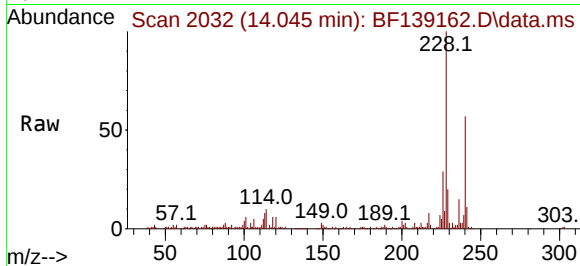




#81
Benzo(a)anthracene
Concen: 9.890 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

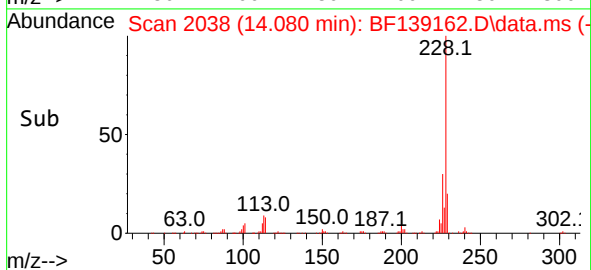
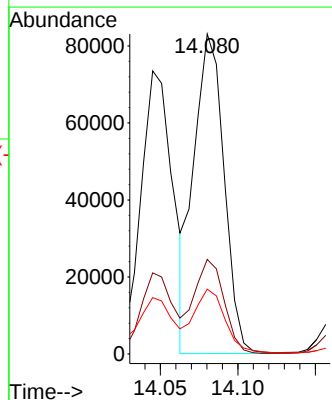
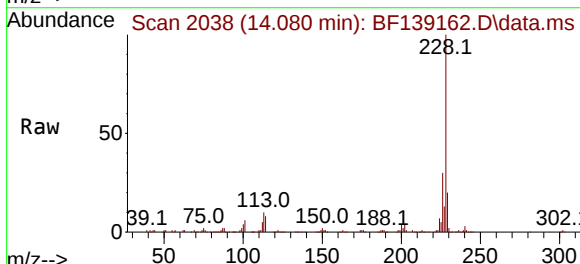
Instrument :
BNA_F
ClientSampleId :
S-908-K1-0-0.5-081524DL

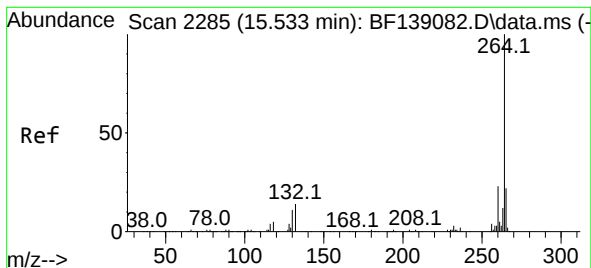
Tgt Ion:228 Resp: 106837
Ion Ratio Lower Upper
228 100
226 28.6 21.9 32.9
229 19.9 16.1 24.1



#83
Chrysene
Concen: 11.458 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF139162.D
Acq: 26 Aug 2024 11:21

Tgt Ion:228 Resp: 112190
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 20.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524DL

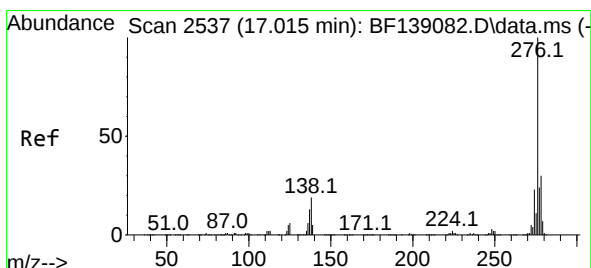
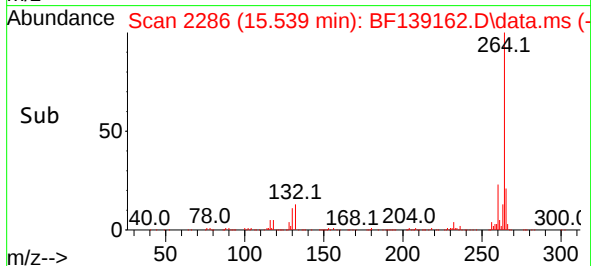
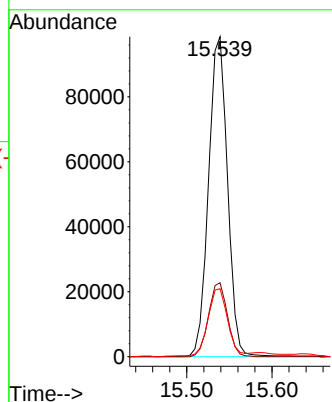
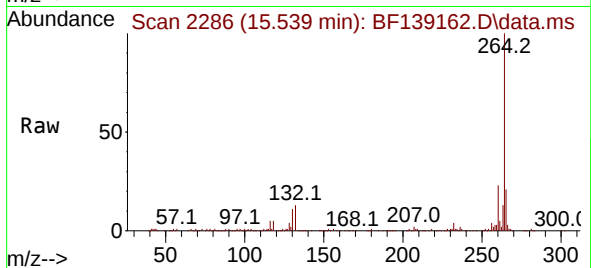
Tgt Ion:264 Resp: 152045

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.3 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.635 ng

RT: 17.015 min Scan# 2537

Delta R.T. -0.000 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

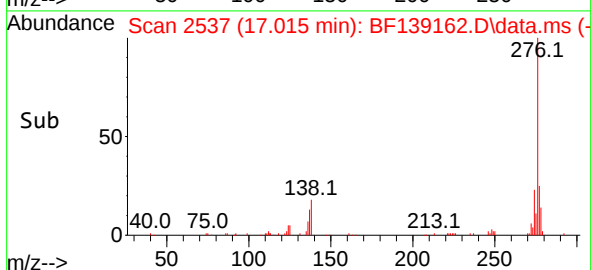
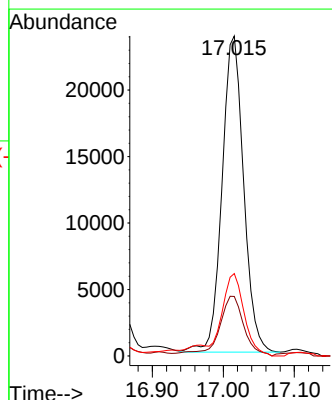
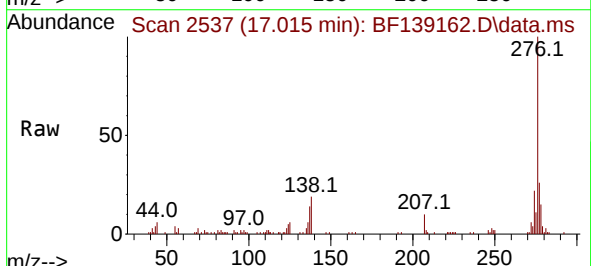
Tgt Ion:276 Resp: 50143

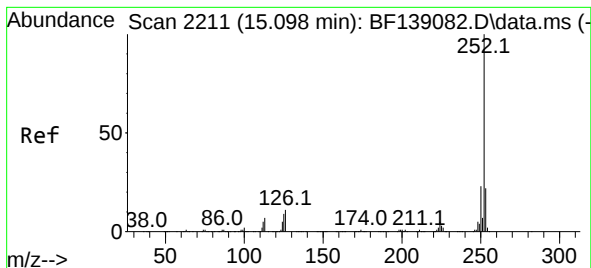
Ion Ratio Lower Upper

276 100

138 21.8 17.3 25.9

277 26.2 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 21.156 ng

RT: 15.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524DL

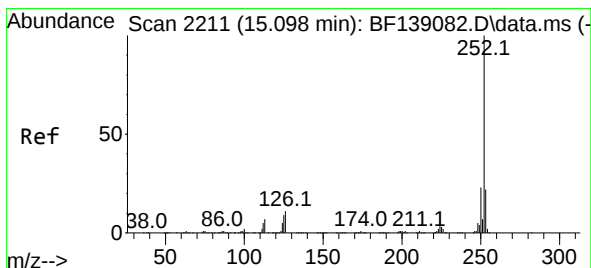
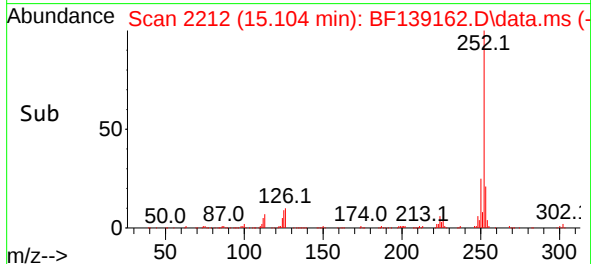
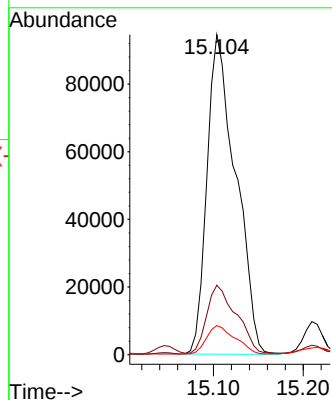
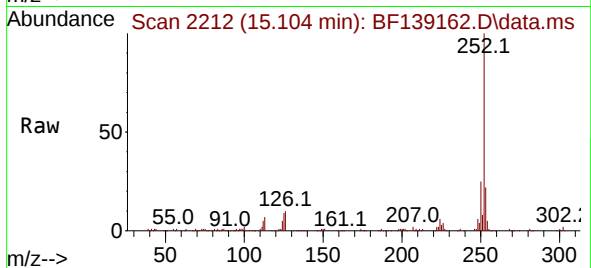
Tgt Ion:252 Resp: 209710

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 9.1 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 25.402 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.030 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

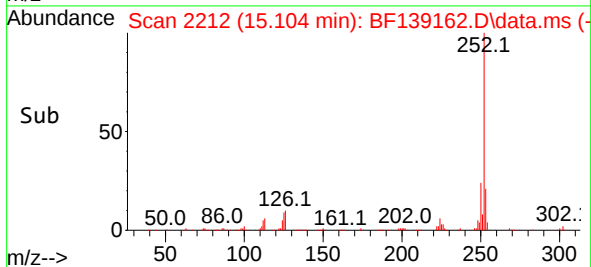
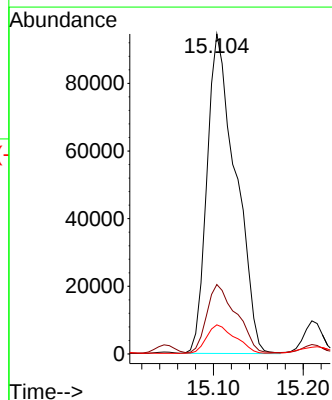
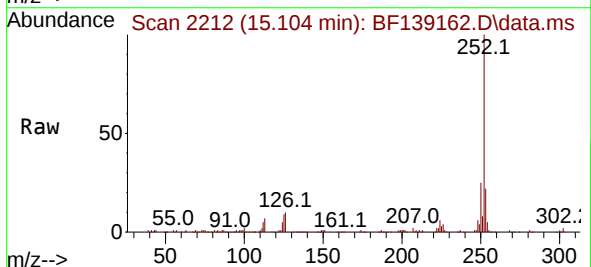
Tgt Ion:252 Resp: 209710

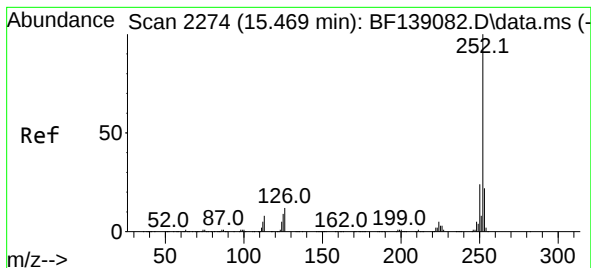
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 9.1 7.0 10.6





#90

Benzo(a)pyrene

Concen: 11.103 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Instrument :

BNA_F

ClientSampleId :

S-908-K1-0-0.5-081524DL

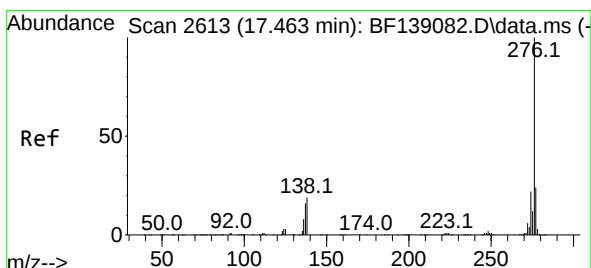
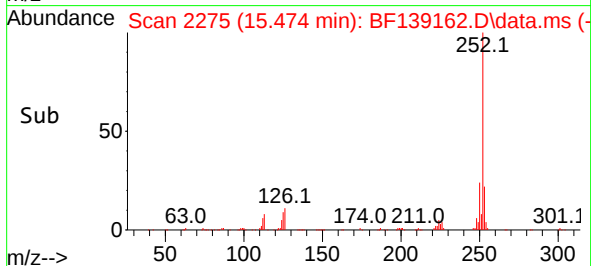
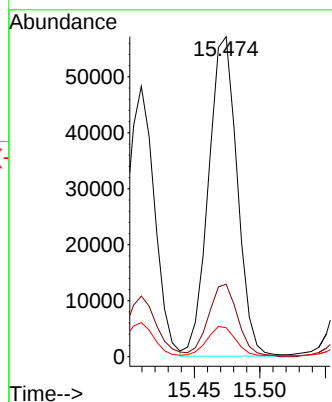
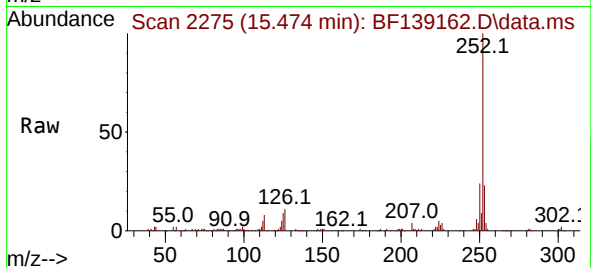
Tgt Ion:252 Resp: 86963

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 9.1 7.4 11.2



#92

Benzo(g,h,i)perylene

Concen: 8.321 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.001 min

Lab File: BF139162.D

Acq: 26 Aug 2024 11:21

Tgt Ion:276 Resp: 48970

Ion Ratio Lower Upper

276 100

277 24.2 18.8 28.2

138 19.1 15.0 22.4

