

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138376.D
 Acq On : 27 Jun 2024 20:09
 Operator : CG\JU
 Sample : P3076-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 7-E-1

Quant Time: Jun 28 01:13:47 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

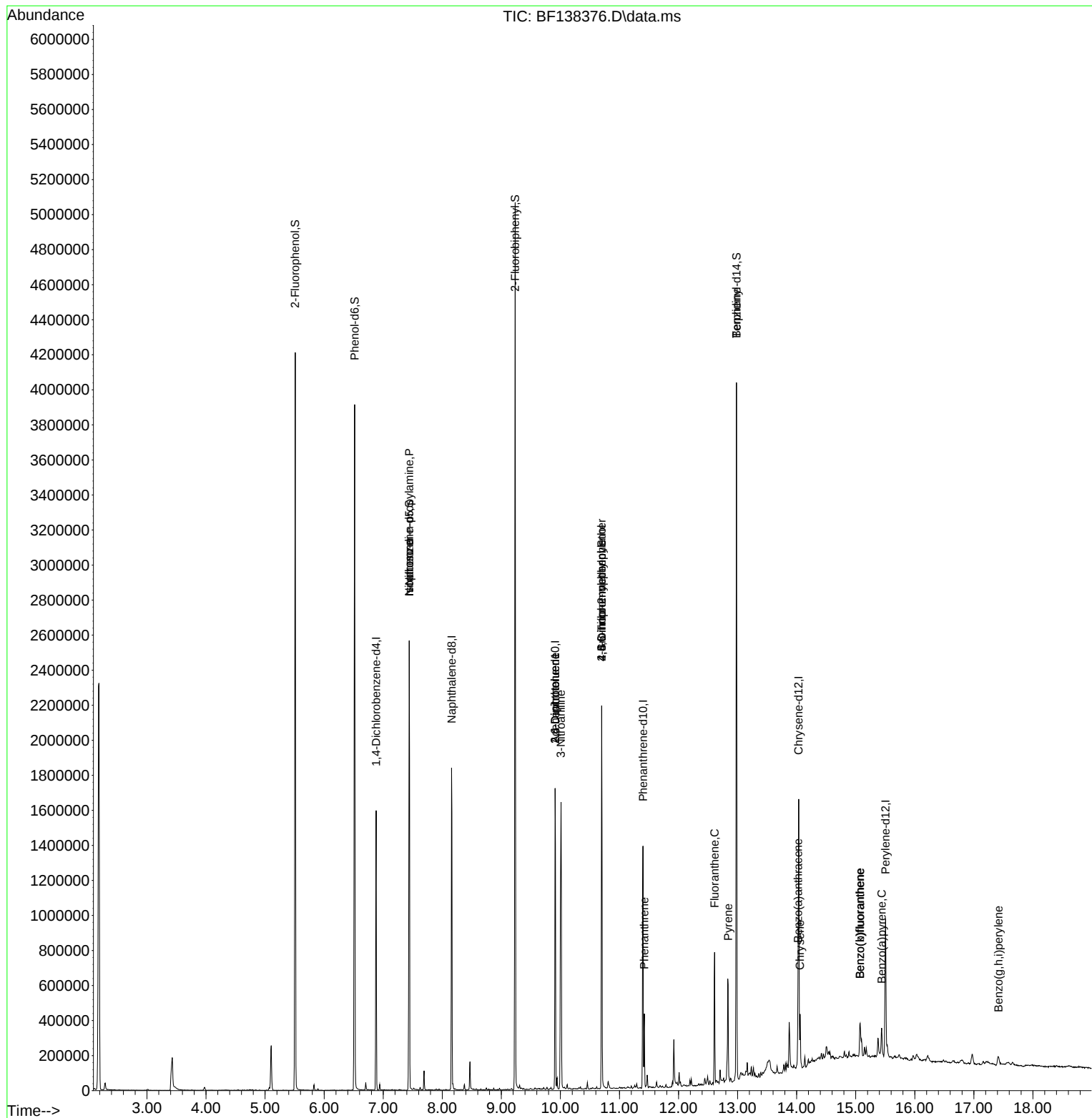
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	223497	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	796434	20.000	ng	-0.02
39) Acenaphthene-d10	9.910	164	343323	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	486239	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	457198	20.000	ng	-0.02
86) Perylene-d12	15.504	264	361385	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1129787	84.562	ng	0.00
7) Phenol-d6	6.516	99	1340951	79.152	ng	0.00
23) Nitrobenzene-d5	7.440	82	827514	60.488	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	267462	78.254	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	1438063	66.606	ng	-0.02
79) Terphenyl-d14	12.980	244	1324469	45.882	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	109398	10.894	ng	# 76
25) Isophorone	7.440	82	827507	33.441	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	45757	10.027	ng	# 25
53) 3-Nitroaniline	10.010	138	16113	3.305	ng	# 4
57) 2,4-Dinitrotoluene	9.910	165	45757	8.129	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.698	198	485	7.102	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	16557	3.022	ng	# 1
71) Phenanthrene	11.422	178	148153	6.161	ng	98
75) Fluoranthene	12.610	202	278411	11.354	ng	97
77) Benzidine	12.980	184	16331	3.088	ng	# 93
78) Pyrene	12.839	202	249463	6.326	ng	97
81) Benzo(a)anthracene	14.022	228	115641	3.943	ng	99
83) Chrysene	14.057	228	110920	3.967	ng	98
88) Benzo(b)fluoranthene	15.074	252	153571	7.206	ng	# 95
89) Benzo(k)fluoranthene	15.074	252	153571	7.353	ng	# 95
90) Benzo(a)pyrene	15.439	252	73965	4.040	ng	97
92) Benzo(g,h,i)perylene	17.415	276	41221	2.061	ng	94

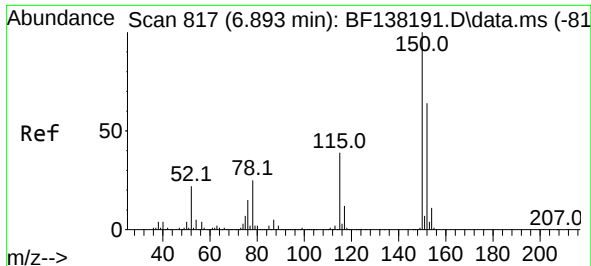
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

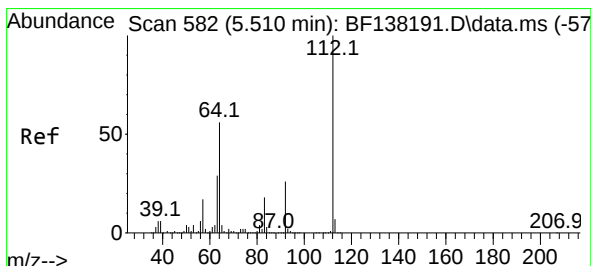
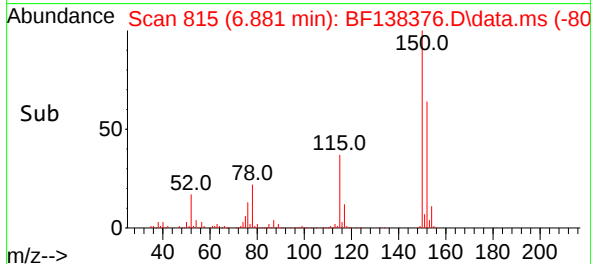
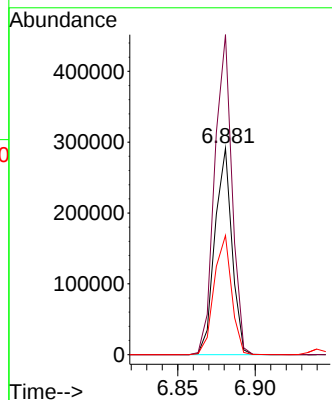
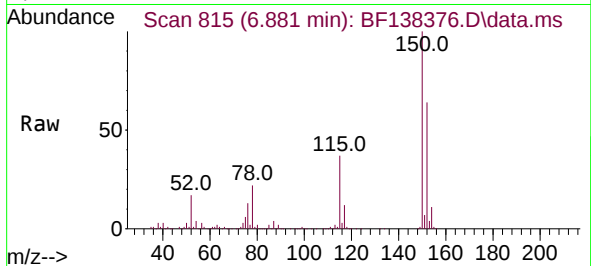




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.012 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

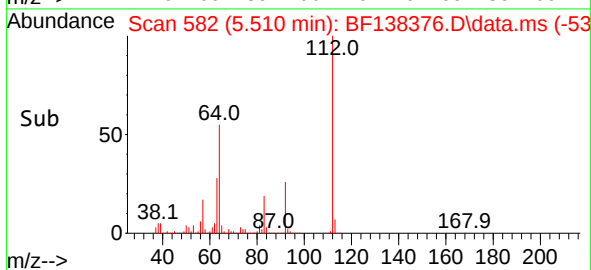
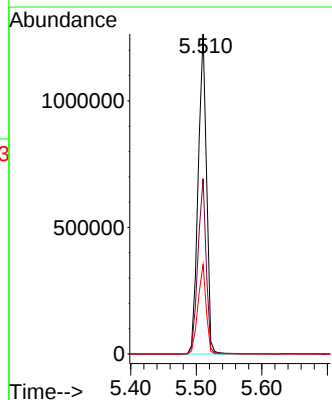
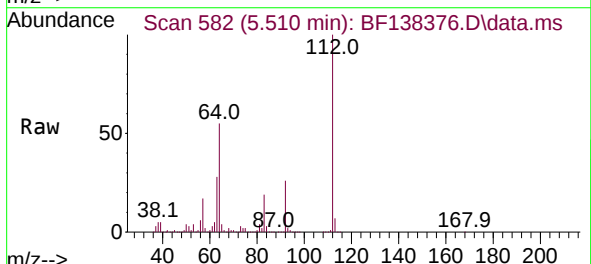
Instrument :
BNA_F
ClientSampleId :
7-E-1

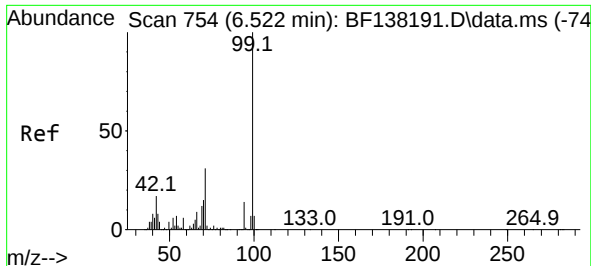
Tgt Ion:152 Resp: 223497
Ion Ratio Lower Upper
152 100
150 155.0 125.0 187.4
115 57.7 48.4 72.6



#5
2-Fluorophenol
Concen: 84.562 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

Tgt Ion:112 Resp: 1129787
Ion Ratio Lower Upper
112 100
64 54.8 45.2 67.8
63 28.0 22.9 34.3





#7

Phenol-d6

Concen: 79.152 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

Instrument :

BNA_F

ClientSampleId :

7-E-1

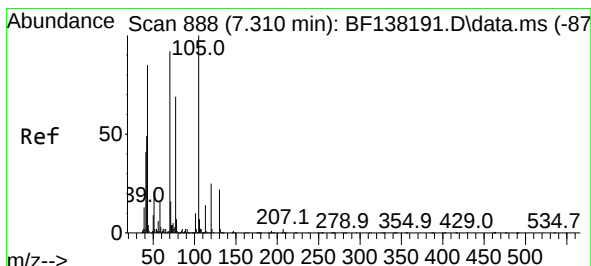
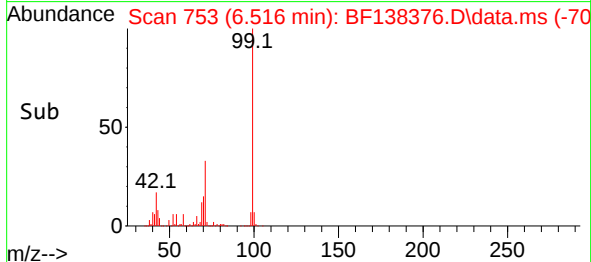
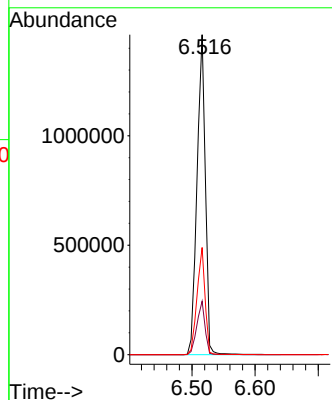
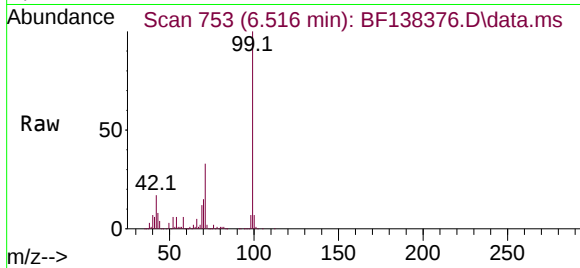
Tgt Ion: 99 Resp: 1340951

Ion Ratio Lower Upper

99 100

42 16.7 13.7 20.5

71 33.5 25.0 37.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.894 ng

RT: 7.440 min Scan# 910

Delta R.T. 0.129 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

Tgt Ion: 70 Resp: 109398

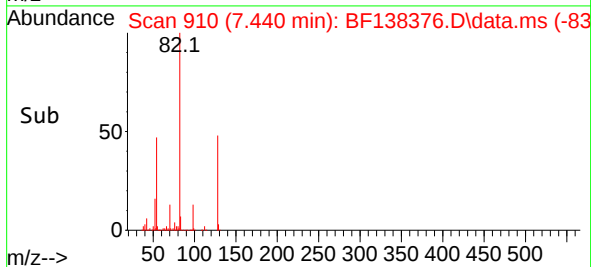
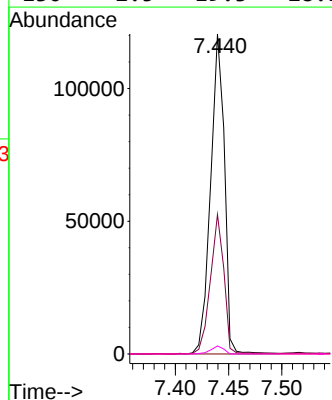
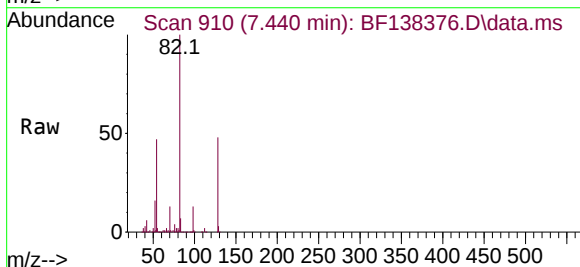
Ion Ratio Lower Upper

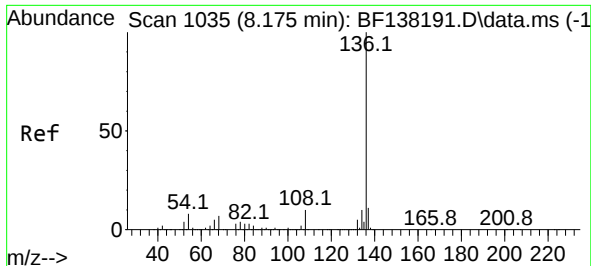
70 100

42 43.6 42.8 64.2

101 0.0 8.4 12.6#

130 2.5 19.3 28.9#



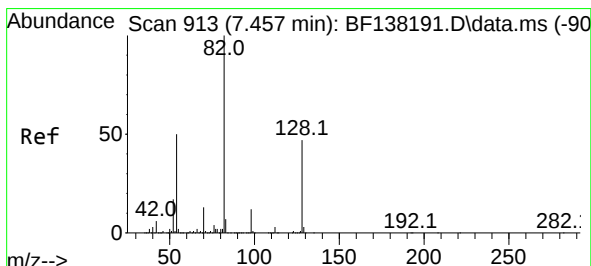
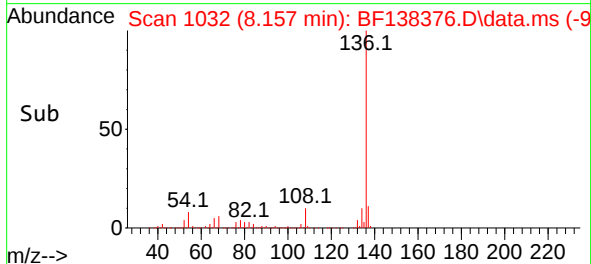
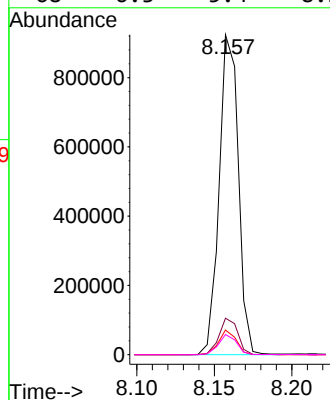
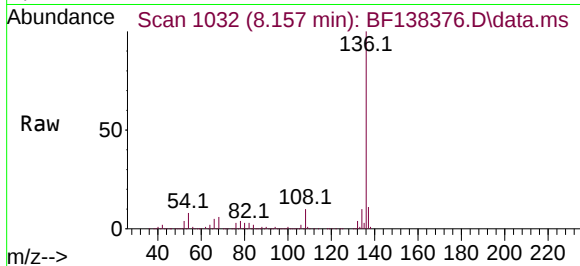


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

Instrument :
BNA_F
ClientSampleId :
7-E-1

Tgt Ion:136 Resp: 796434

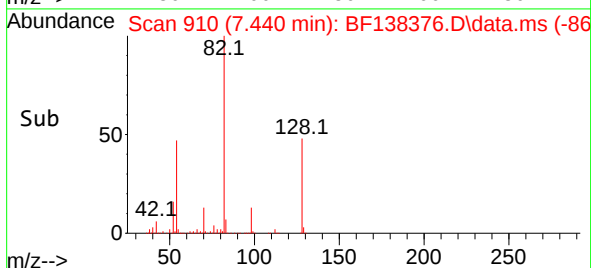
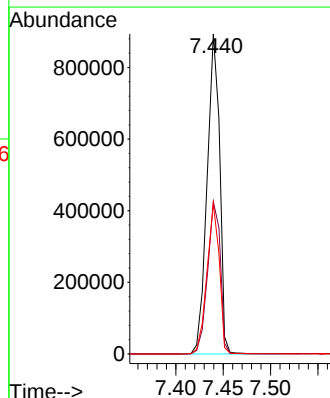
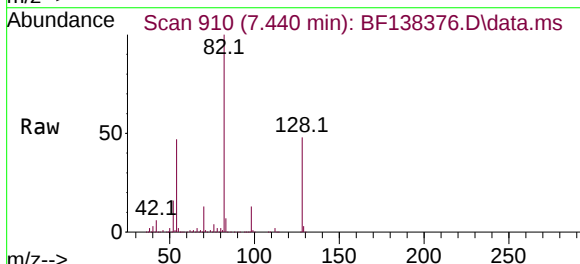
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.7	6.6	10.0
68	6.3	5.4	8.2

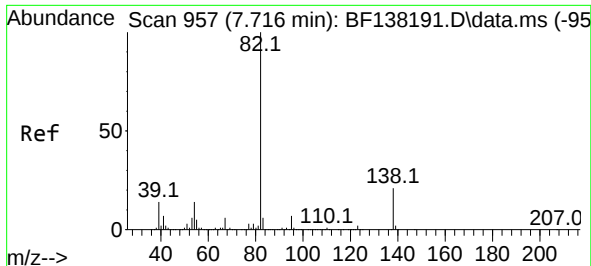


#23
Nitrobenzene-d5
Concen: 60.488 ng
RT: 7.440 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

Tgt Ion: 82 Resp: 827514

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.2	55.8
54	47.0	39.8	59.6

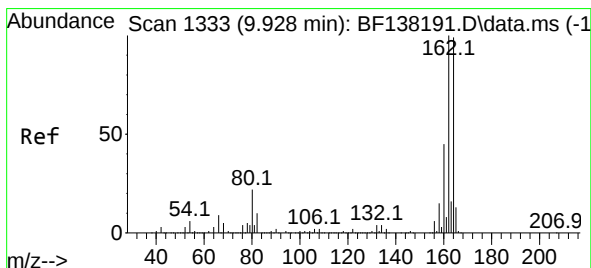
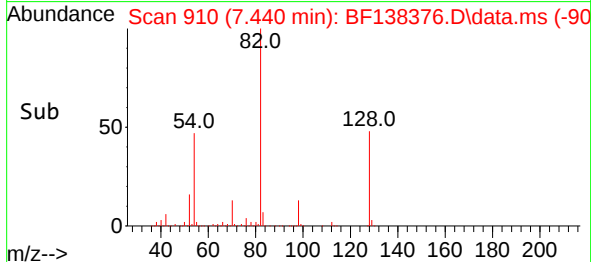
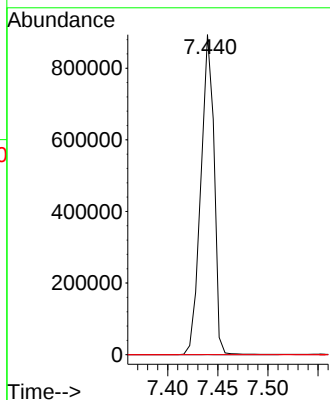
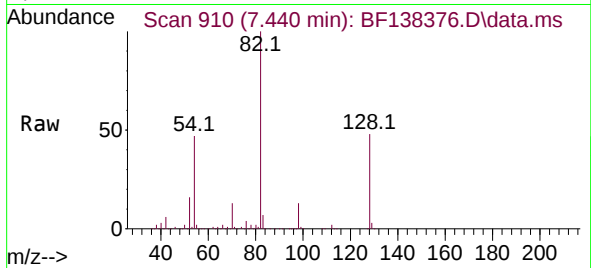




#25
Isophorone
Concen: 33.441 ng
RT: 7.440 min Scan# 91
Delta R.T. -0.276 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

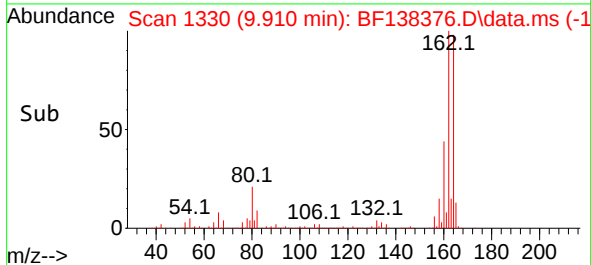
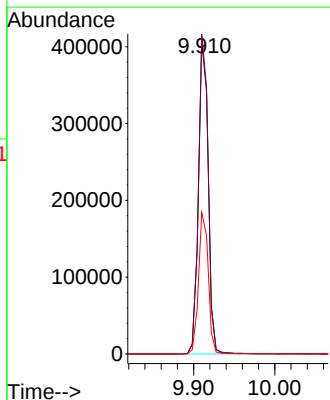
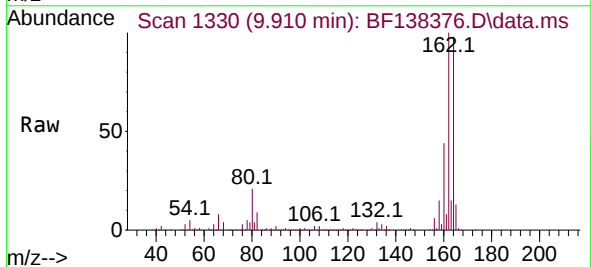
Instrument :
BNA_F
ClientSampleId :
7-E-1

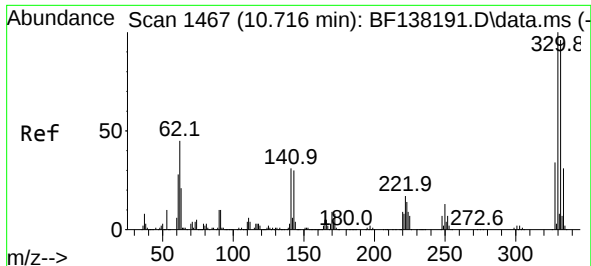
Tgt Ion: 82 Resp: 827507
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

Tgt Ion:164 Resp: 343323
Ion Ratio Lower Upper
164 100
162 102.1 80.6 121.0
160 45.2 36.3 54.5

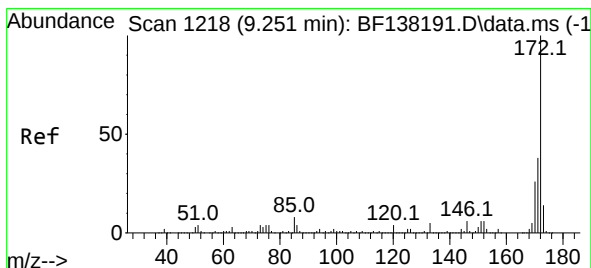
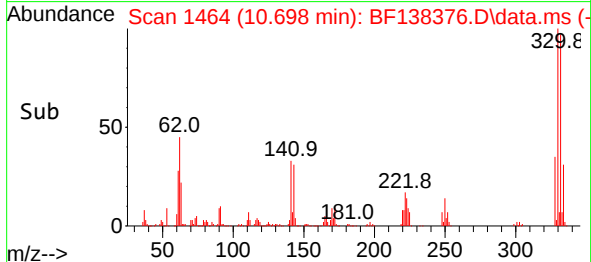
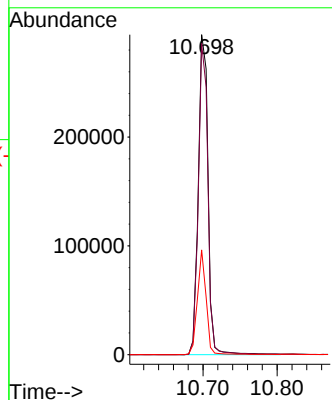
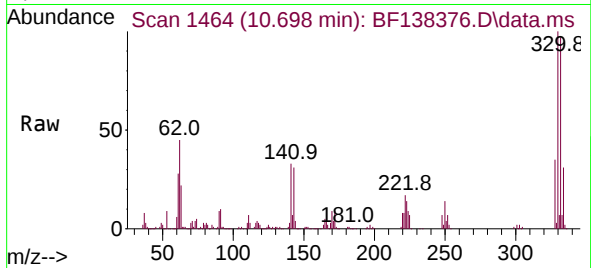




#42
 2,4,6-Tribromophenol
 Concen: 78.254 ng
 RT: 10.698 min Scan# 1464
 Delta R.T. -0.018 min
 Lab File: BF138376.D
 Acq: 27 Jun 2024 20:09

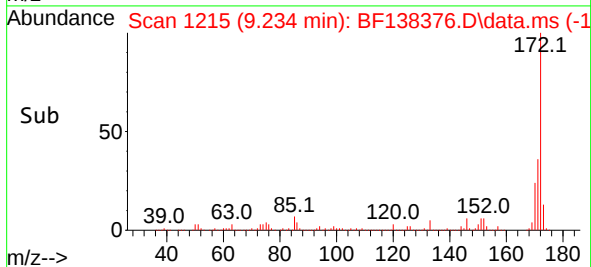
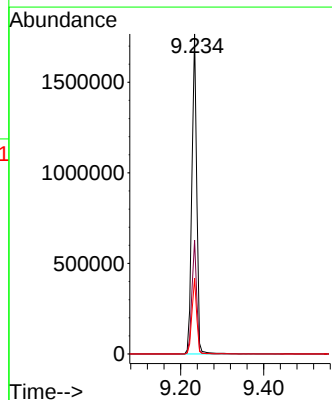
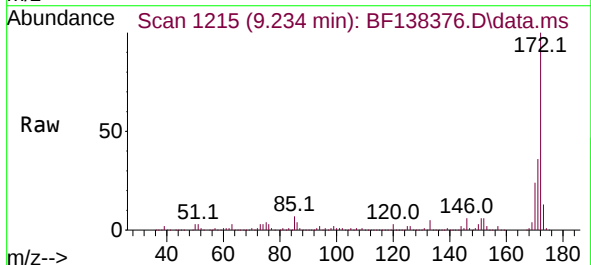
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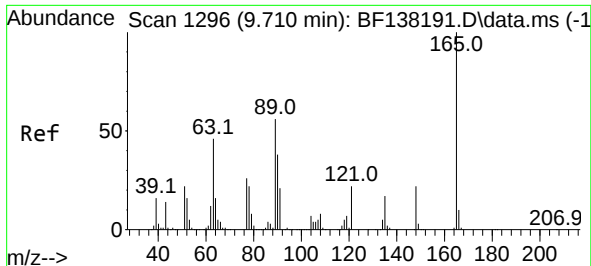
Tgt Ion:330 Resp: 267462
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 115.0
 141 29.6 23.9 35.9



#45
 2-Fluorobiphenyl
 Concen: 66.606 ng
 RT: 9.234 min Scan# 1215
 Delta R.T. -0.017 min
 Lab File: BF138376.D
 Acq: 27 Jun 2024 20:09

Tgt Ion:172 Resp: 1438063
 Ion Ratio Lower Upper
 172 100
 171 35.5 30.3 45.5
 170 23.6 20.6 30.8

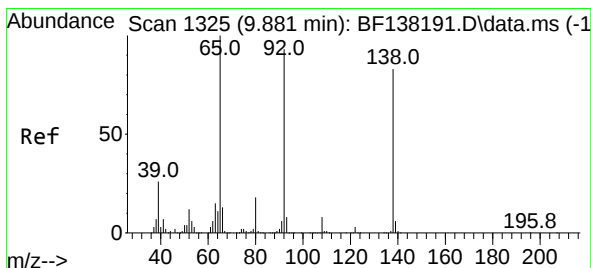
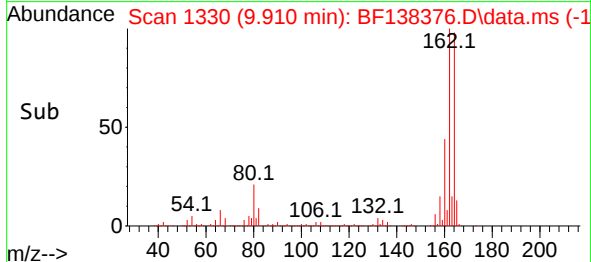
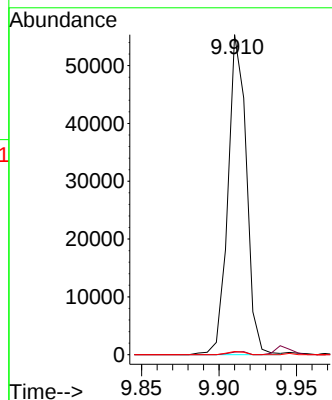
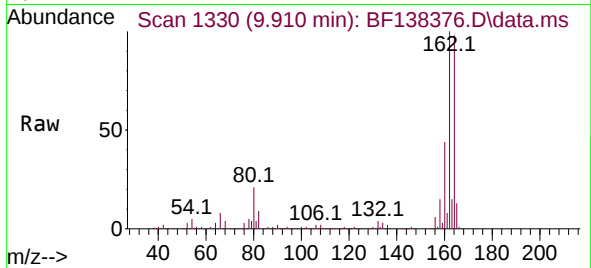




#51
2,6-Dinitrotoluene
Concen: 10.027 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

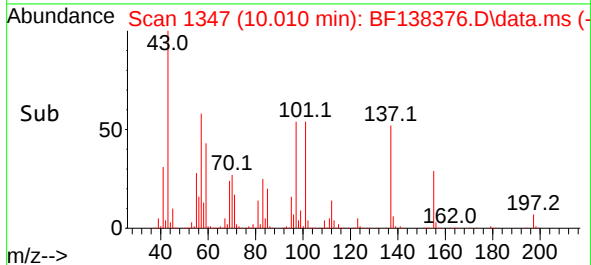
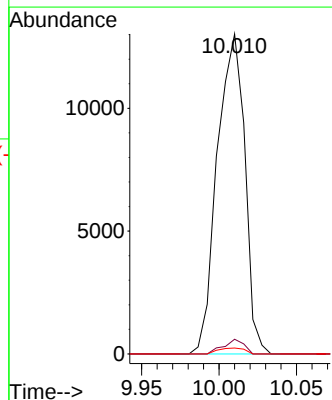
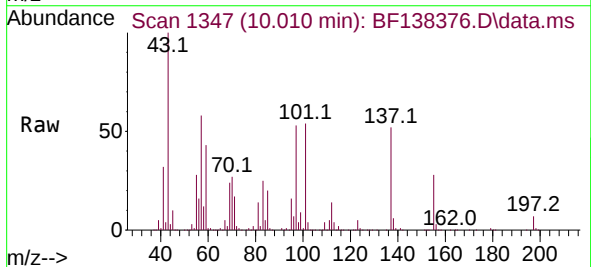
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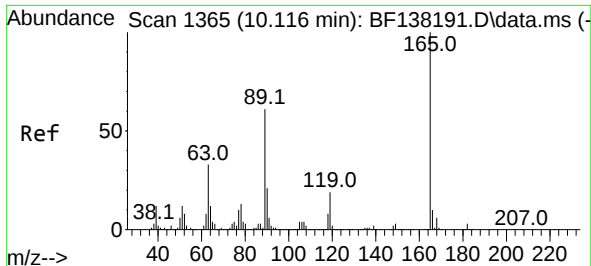
Tgt Ion:165 Resp: 45757
Ion Ratio Lower Upper
165 100
63 0.8 43.7 65.5#
89 1.0 44.9 67.3#



#53
3-Nitroaniline
Concen: 3.305 ng
RT: 10.010 min Scan# 1347
Delta R.T. 0.129 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

Tgt Ion:138 Resp: 16113
Ion Ratio Lower Upper
138 100
108 4.6 8.2 12.2#
92 1.9 90.0 135.0#

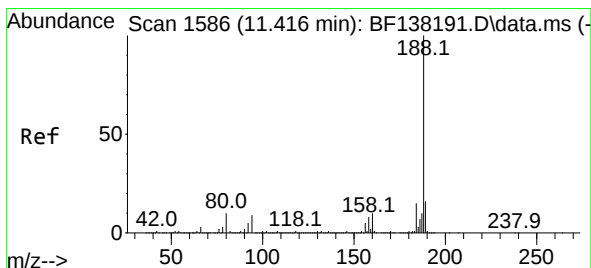
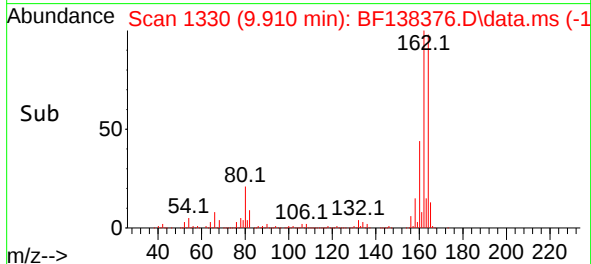
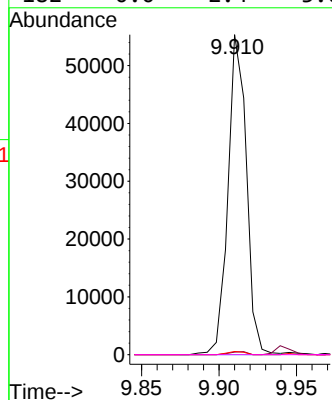
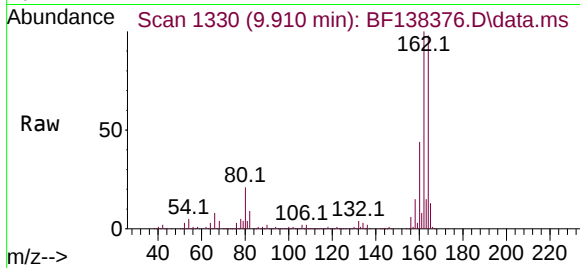




#57
2,4-Dinitrotoluene
Concen: 8.129 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

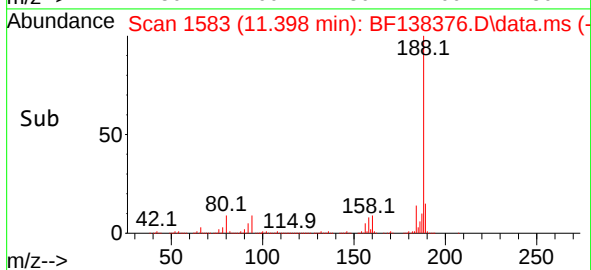
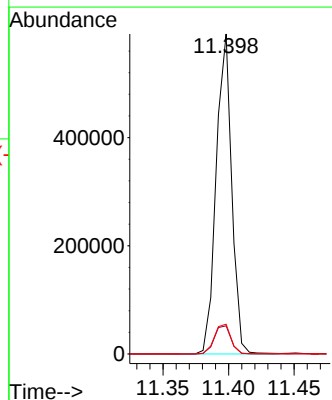
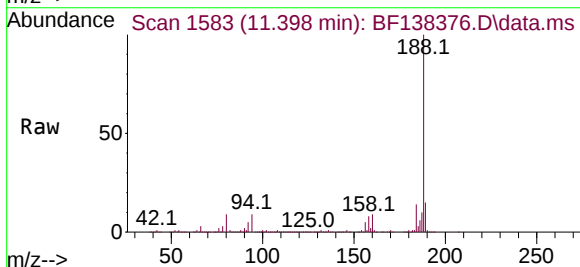
Instrument :
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7-E-1

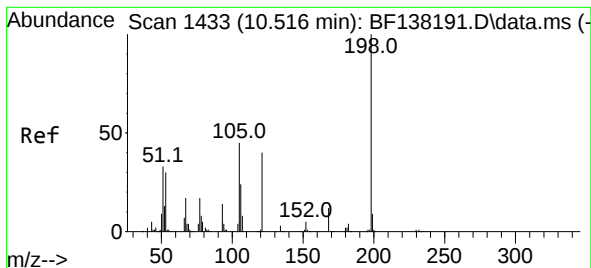
Tgt Ion:165 Resp: 45757
Ion Ratio Lower Upper
165 100
63 0.8 26.6 39.8#
89 1.0 48.7 73.1#
182 0.0 2.4 3.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

Tgt Ion:188 Resp: 486239
Ion Ratio Lower Upper
188 100
94 8.8 7.6 11.4
80 9.3 8.1 12.1

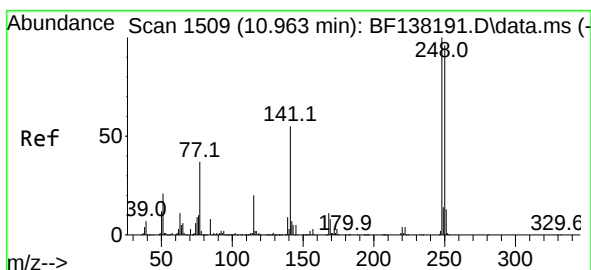
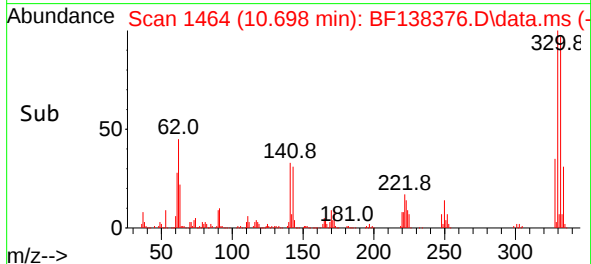
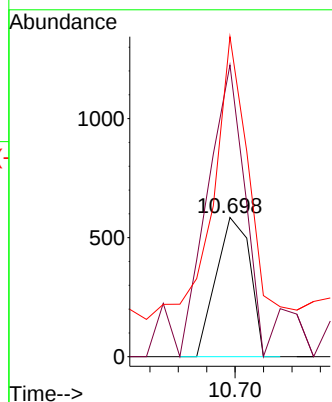
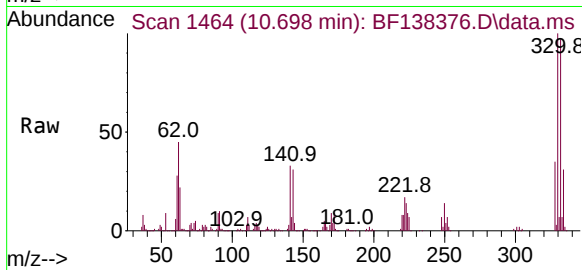




#65
4,6-Dinitro-2-methylphenol
Concen: 7.102 ng
RT: 10.698 min Scan# 1464
Delta R.T. 0.182 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

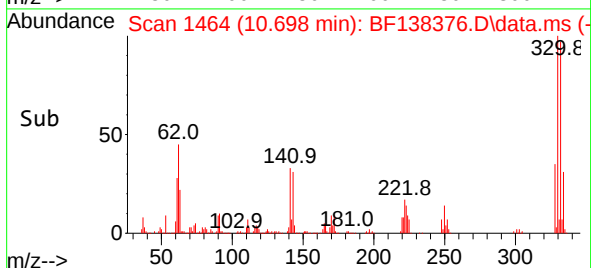
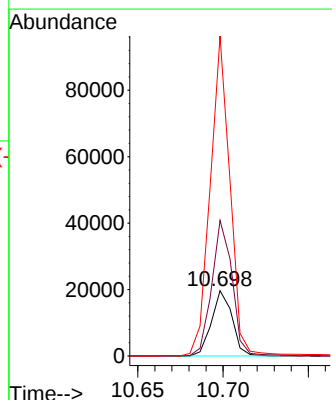
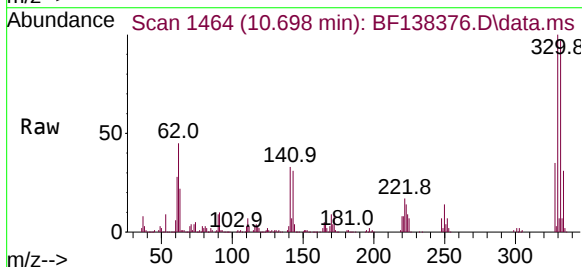
Instrument :
BNA_F
ClientSampleId :
7-E-1

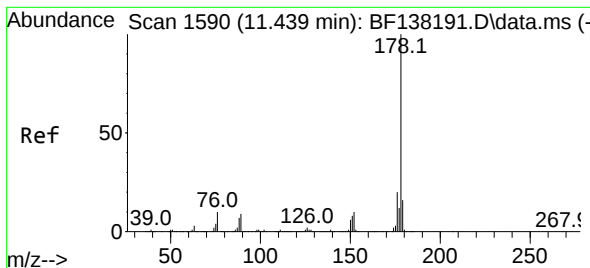
Tgt Ion:198 Resp: 485
Ion Ratio Lower Upper
198 100
51 209.4 26.9 66.9#
105 229.7 26.0 66.0#



#67
4-Bromophenyl-phenylether
Concen: 3.022 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.265 min
Lab File: BF138376.D
Acq: 27 Jun 2024 20:09

Tgt Ion:248 Resp: 16557
Ion Ratio Lower Upper
248 100
250 207.6 77.2 115.8#
141 490.2 44.1 66.1#





#71

Phenanthrene

Concen: 6.161 ng

RT: 11.422 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

Instrument :

BNA_F

ClientSampleId :

7-E-1

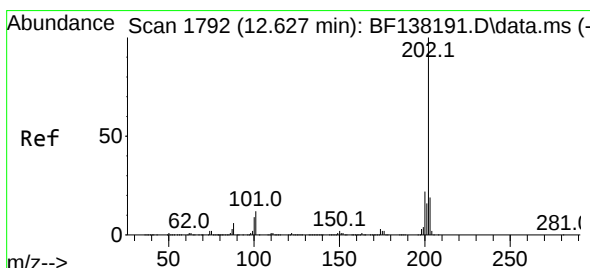
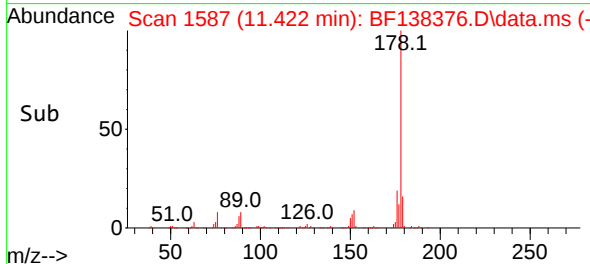
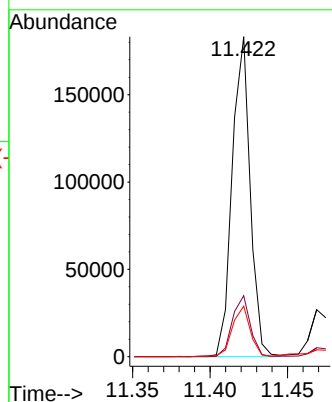
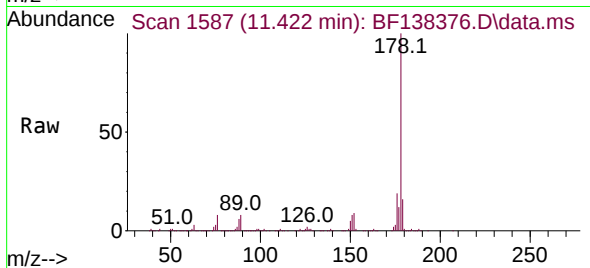
Tgt Ion:178 Resp: 148153

Ion Ratio Lower Upper

178 100

176 19.0 16.4 24.6

179 15.8 13.1 19.7



#75

Fluoranthene

Concen: 11.354 ng

RT: 12.610 min Scan# 1789

Delta R.T. -0.018 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

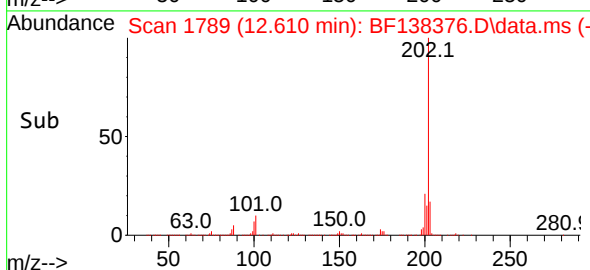
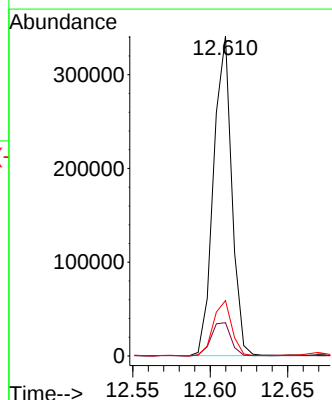
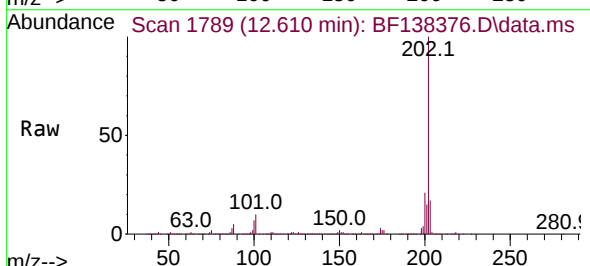
Tgt Ion:202 Resp: 278411

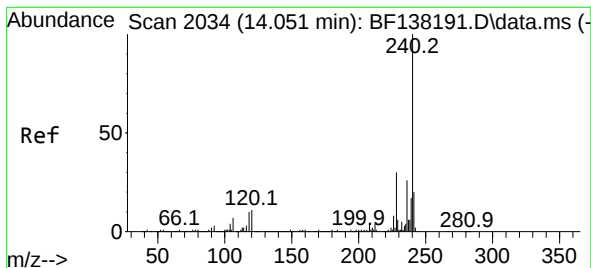
Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.8

203 17.3 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.018 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

Instrument :

BNA_F

ClientSampleId :

7-E-1

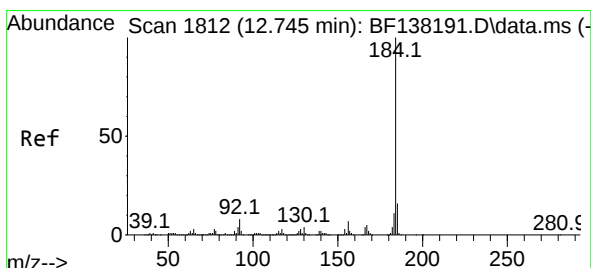
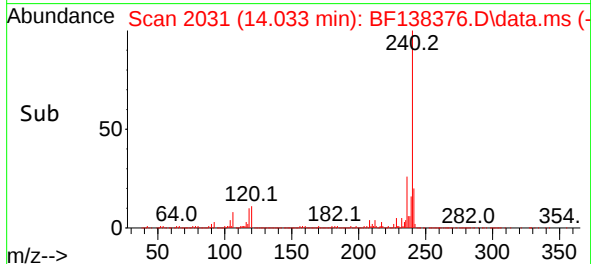
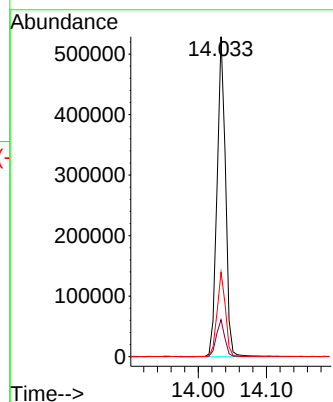
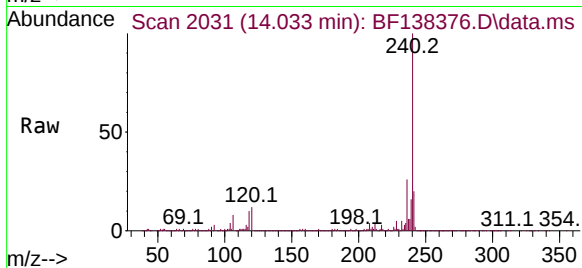
Tgt Ion:240 Resp: 457198

Ion Ratio Lower Upper

240 100

120 11.6 9.2 13.8

236 26.4 21.0 31.6



#77

Benzidine

Concen: 3.088 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.235 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

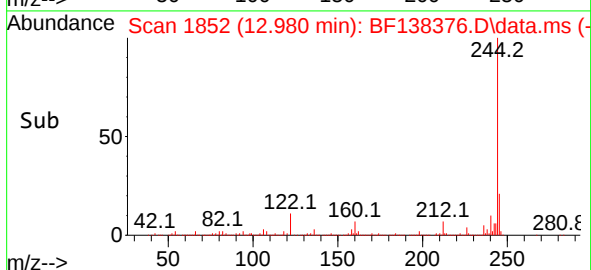
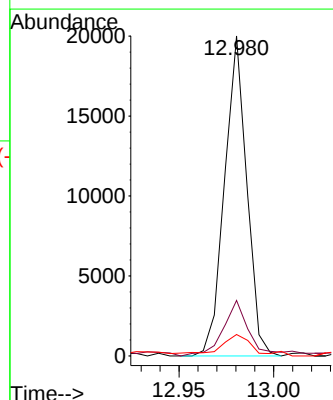
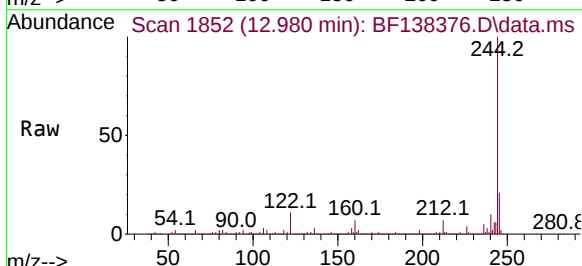
Tgt Ion:184 Resp: 16331

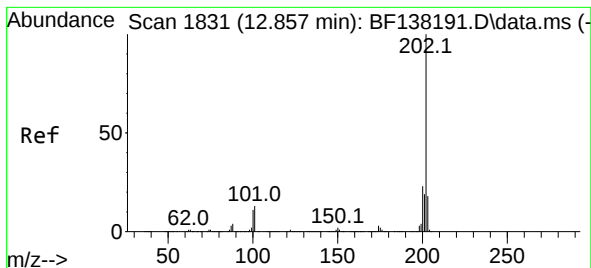
Ion Ratio Lower Upper

184 100

185 17.3 12.6 19.0

183 6.7 9.0 13.6#





#78

Pyrene

Concen: 6.326 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.018 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

Instrument :

BNA_F

ClientSampleId :

7-E-1

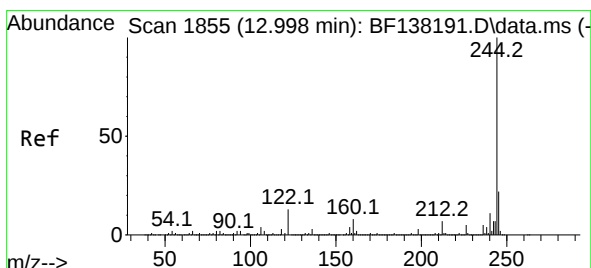
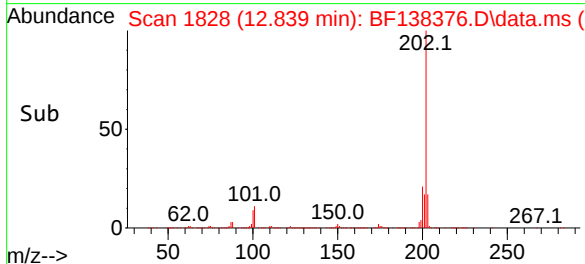
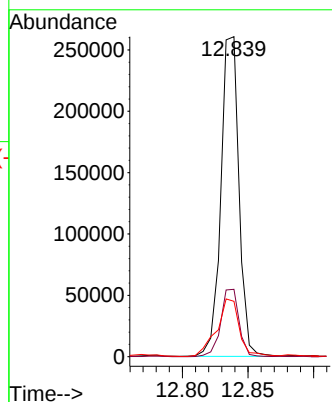
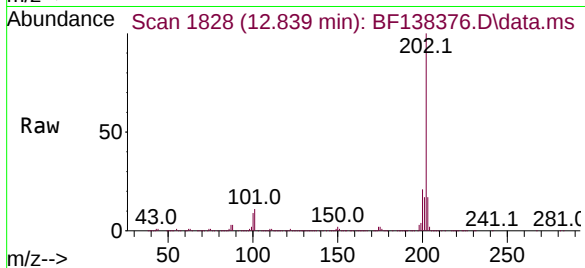
Tgt Ion:202 Resp: 249463

Ion Ratio Lower Upper

202 100

200 21.0 18.0 27.0

203 17.3 14.7 22.1



#79

Terphenyl-d14

Concen: 45.882 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.018 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

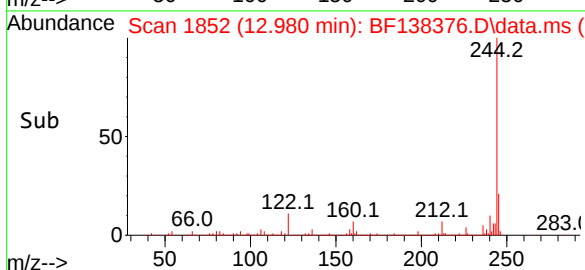
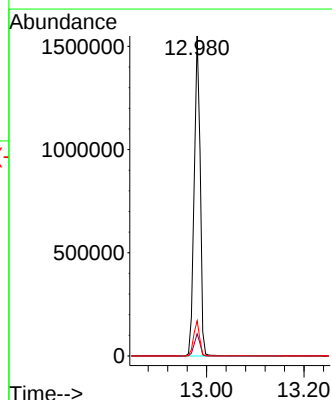
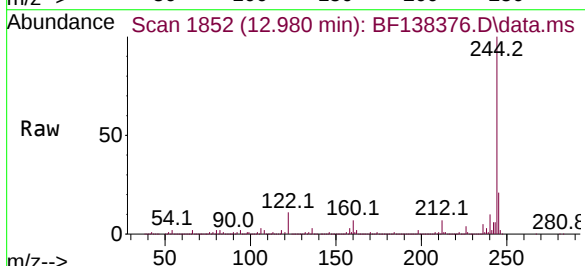
Tgt Ion:244 Resp: 1324469

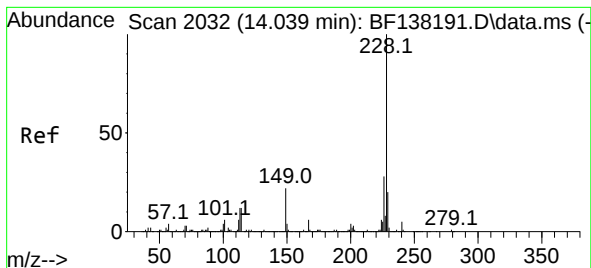
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 11.0 10.6 15.8





#81

Benzo(a)anthracene

Concen: 3.943 ng

RT: 14.022 min Scan# 2032

Delta R.T. -0.018 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

Instrument :

BNA_F

ClientSampleId :

7-E-1

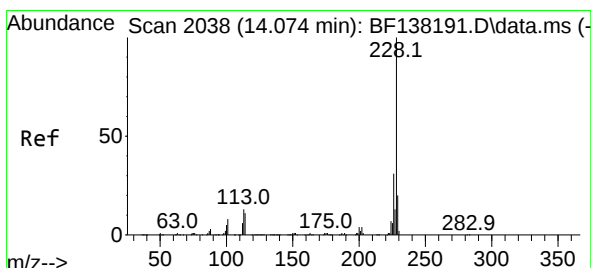
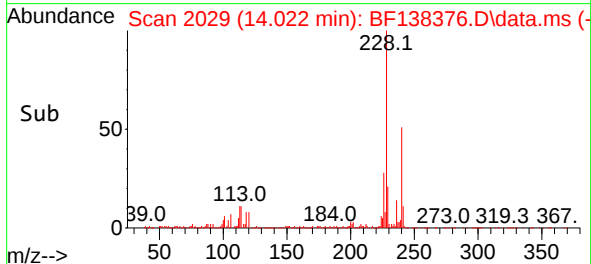
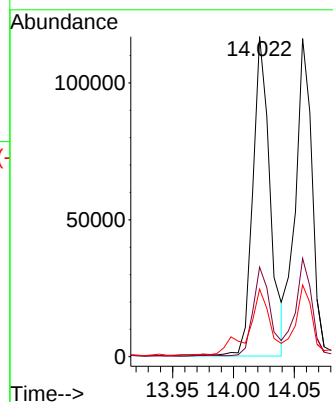
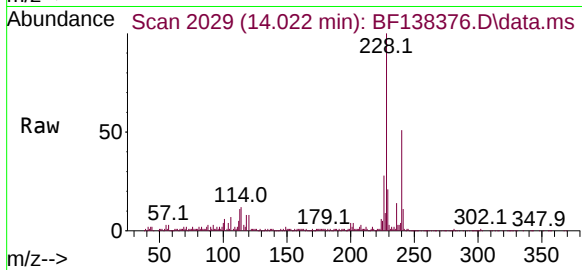
Tgt Ion:228 Resp: 115641

Ion Ratio Lower Upper

228 100

226 28.0 22.5 33.7

229 21.1 16.3 24.5



#83

Chrysene

Concen: 3.967 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.018 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

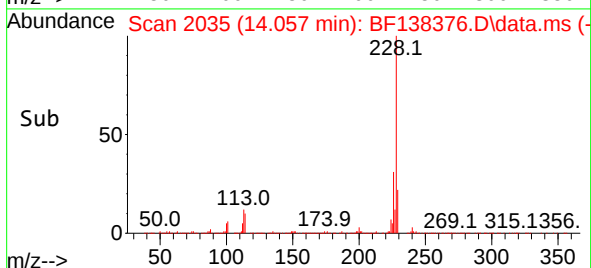
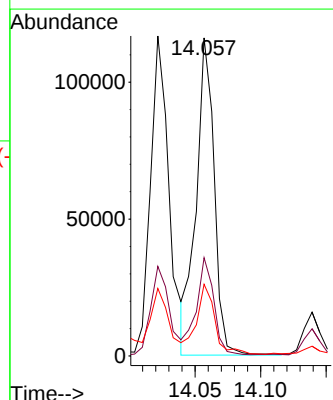
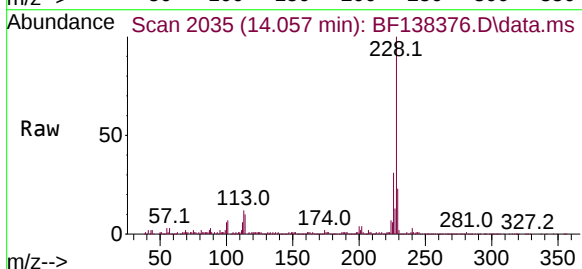
Tgt Ion:228 Resp: 110920

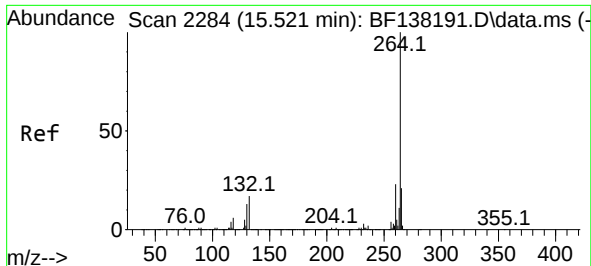
Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

229 22.6 16.3 24.5

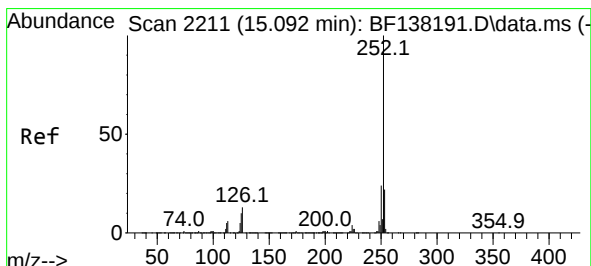
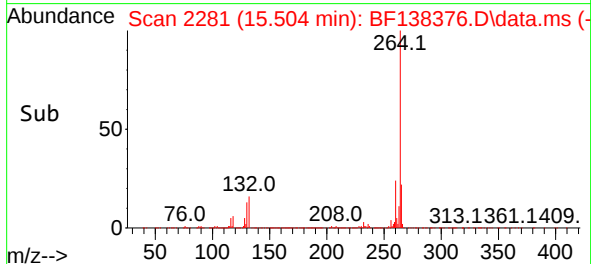
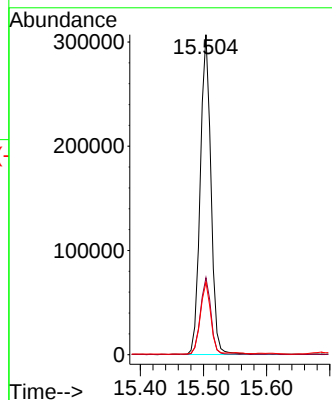
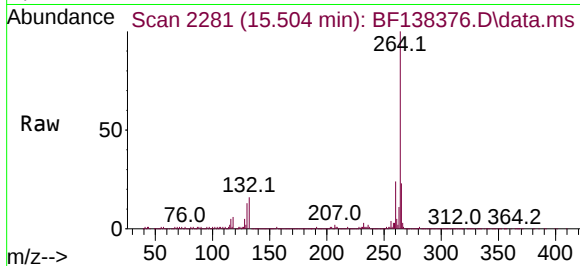




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF138376.D
 Acq: 27 Jun 2024 20:09

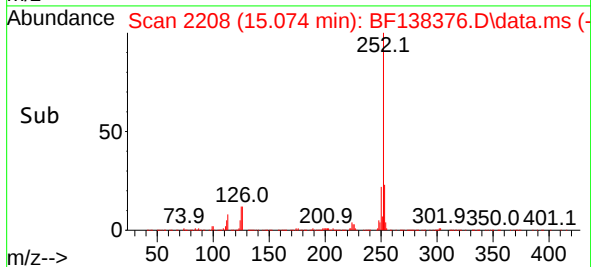
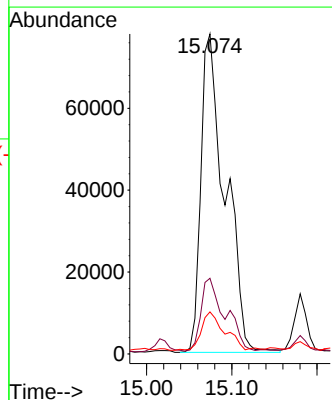
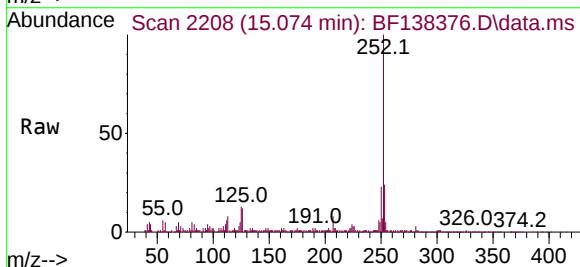
Instrument :
 BNA_F
 ClientSampleId :
 7-E-1

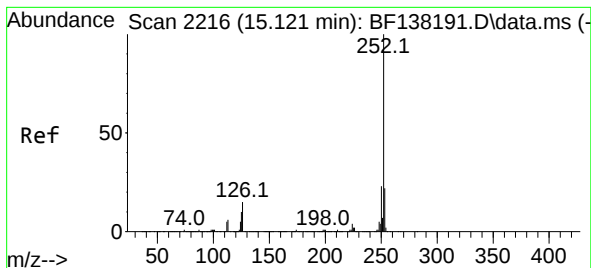
Tgt Ion:264 Resp: 361385
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.7 28.1
 265 22.6 17.0 25.6



#88
 Benzo(b)fluoranthene
 Concen: 7.206 ng
 RT: 15.074 min Scan# 2208
 Delta R.T. -0.018 min
 Lab File: BF138376.D
 Acq: 27 Jun 2024 20:09

Tgt Ion:252 Resp: 153571
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.7 26.5
 125 13.1 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 7.353 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

Instrument :

BNA_F

ClientSampleId :

7-E-1

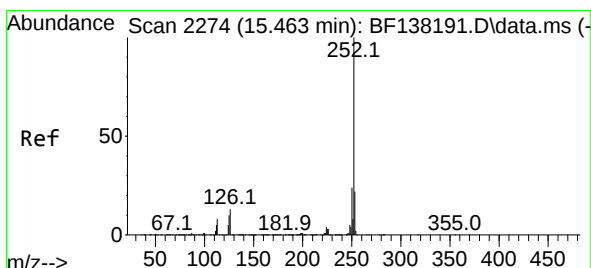
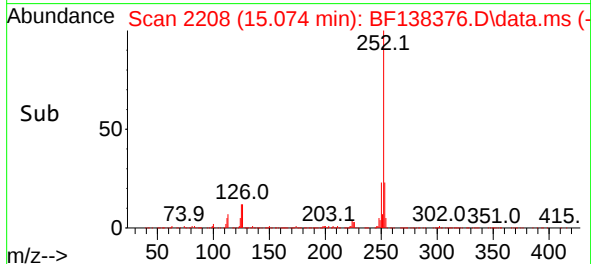
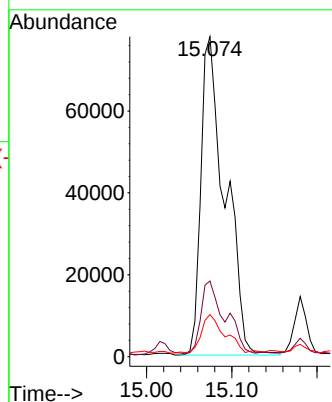
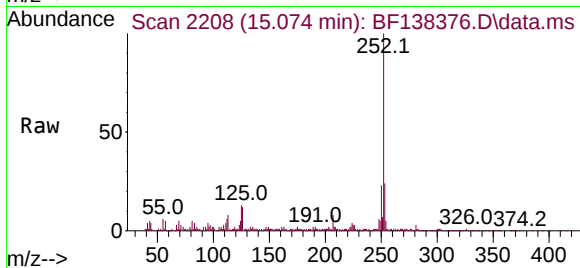
Tgt Ion:252 Resp: 153571

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 13.1 8.0 12.0#



#90

Benzo(a)pyrene

Concen: 4.040 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.024 min

Lab File: BF138376.D

Acq: 27 Jun 2024 20:09

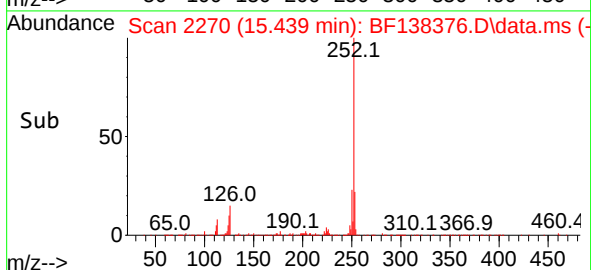
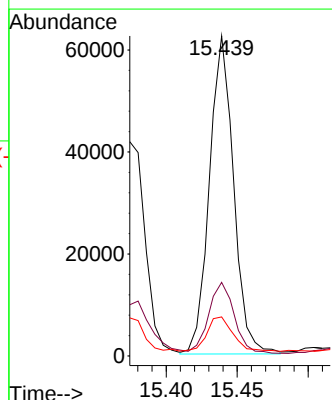
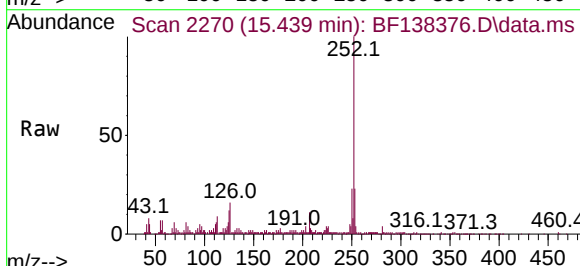
Tgt Ion:252 Resp: 73965

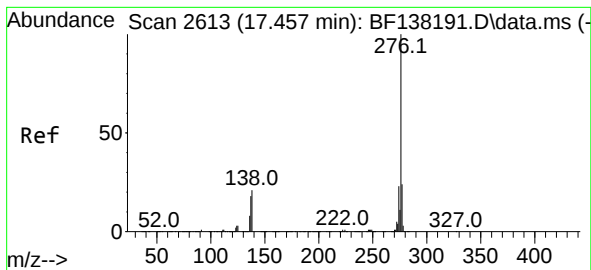
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 12.2 8.2 12.2





#92

Benzo(g,h,i)perylene

Concen: 2.061 ng

RT: 17.415 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF138376.D

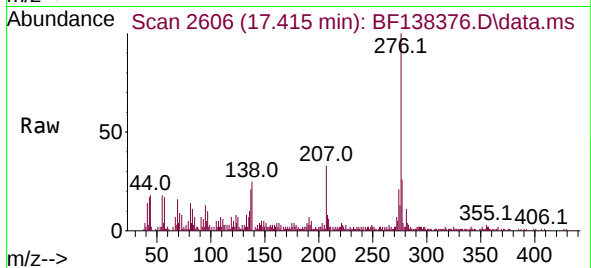
Acq: 27 Jun 2024 20:09

Instrument :

BNA_F

ClientSampleId :

7-E-1



Tgt Ion:276 Resp: 41221

Ion Ratio Lower Upper

276 100

277 26.1 19.5 29.3

138 24.7 16.6 24.8

