

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062124\
 Data File : BF138298.D
 Acq On : 21 Jun 2024 21:38
 Operator : CG\JU
 Sample : P2977-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OSTL-B1

Quant Time: Jun 21 23:03:21 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)

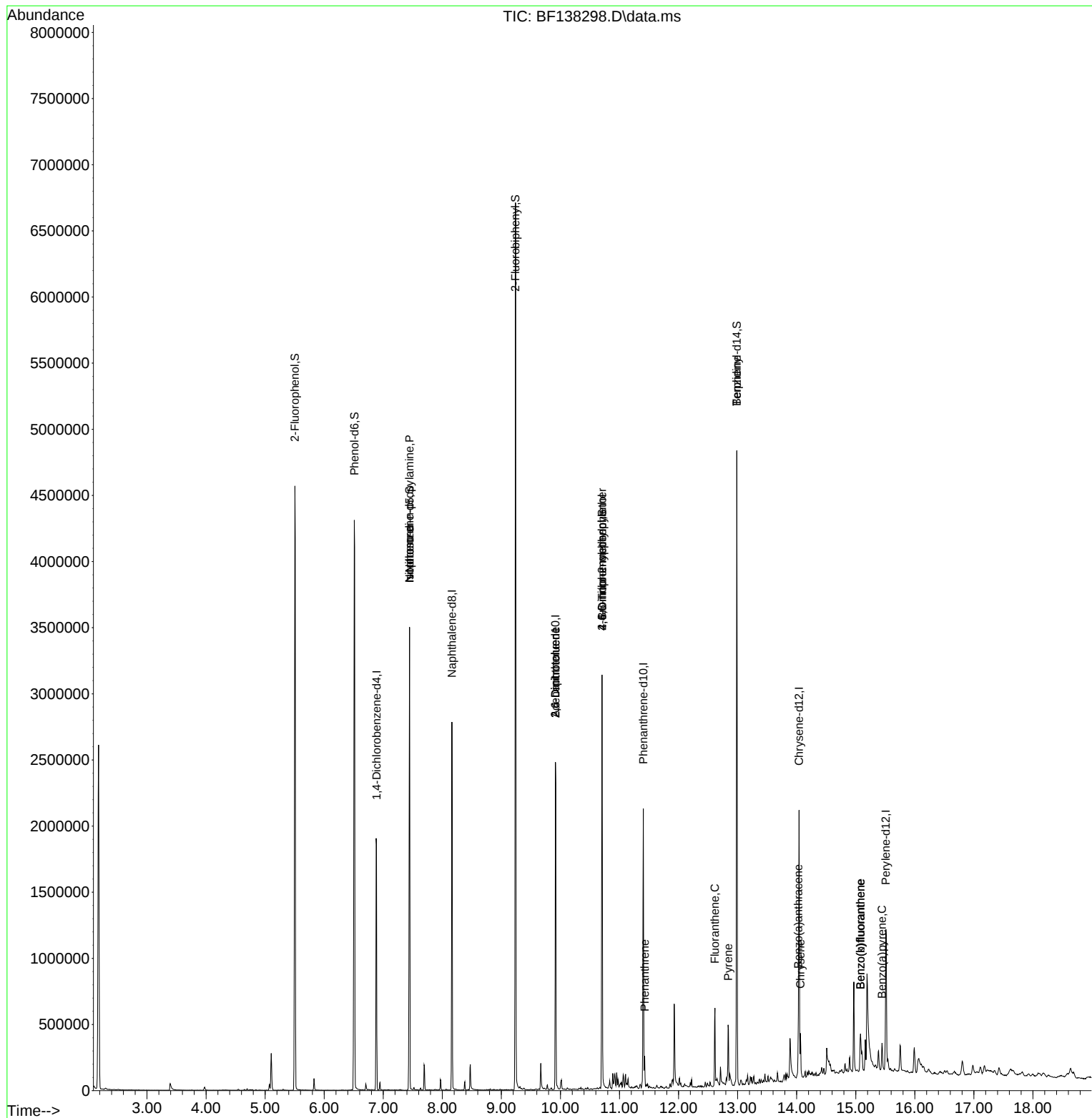
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	295670	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1109410	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	540205	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	714387	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	573332	20.000	ng	-0.01
86) Perylene-d12	15.509	264	514152	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1442225	81.598	ng	0.00
7) Phenol-d6	6.510	99	1754466	78.281	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1054814	55.351	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	383133	71.243	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1994169	58.700	ng	-0.01
79) Terphenyl-d14	12.986	244	1567362	43.298	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	140197	10.553	ng	# 75
25) Isophorone	7.445	82	1054789	30.601	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	70252	9.784	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	70399	7.949	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	922	7.151	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	23396	2.906	ng	# 1
71) Phenanthrene	11.427	178	76639	2.169	ng	97
75) Fluoranthene	12.615	202	218046	6.053	ng	97
77) Benzidine	12.986	184	19386	2.923	ng	# 93
78) Pyrene	12.839	202	189147	3.825	ng	98
81) Benzo(a)anthracene	14.027	228	110092	2.993	ng	94
83) Chrysene	14.062	228	122686	3.499	ng	98
88) Benzo(b)fluoranthene	15.080	252	222345	7.333	ng	99
89) Benzo(k)fluoranthene	15.080	252	222345	7.483	ng	99
90) Benzo(a)pyrene	15.445	252	92939	3.568	ng	99

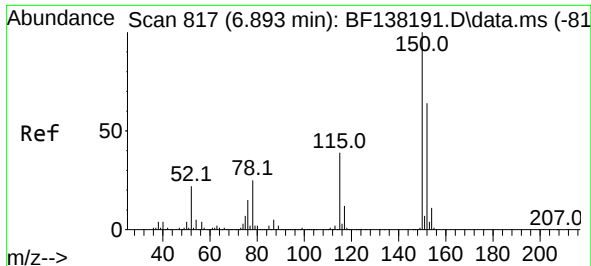
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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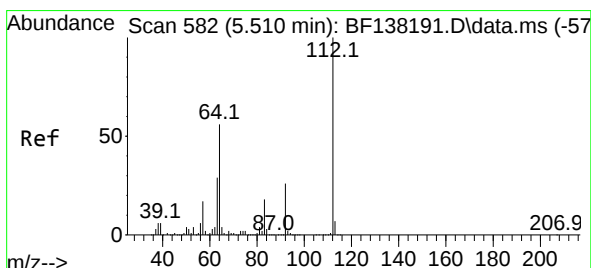
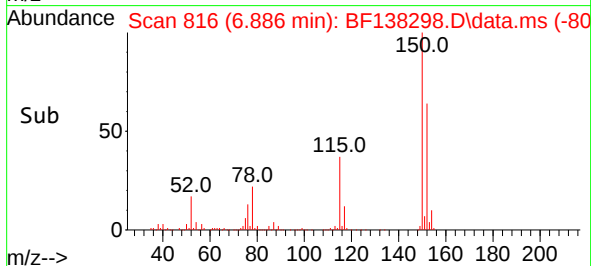
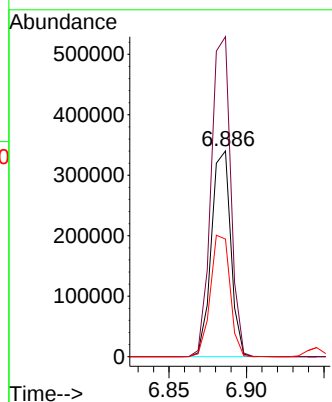
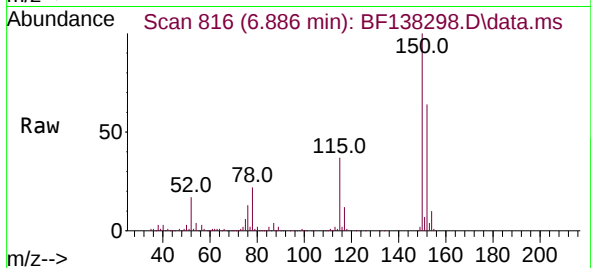




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 817
Delta R.T. -0.007 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

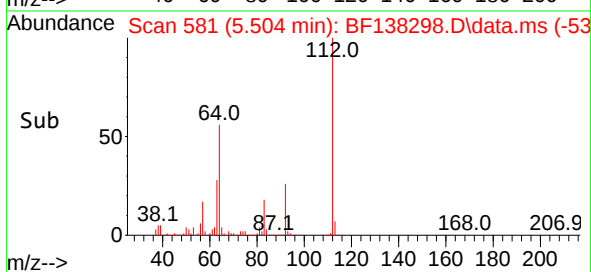
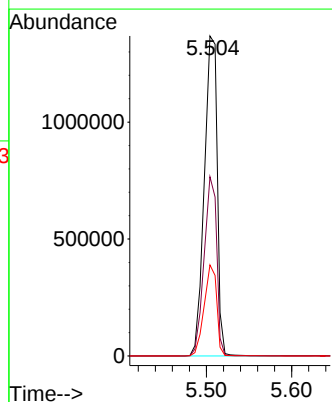
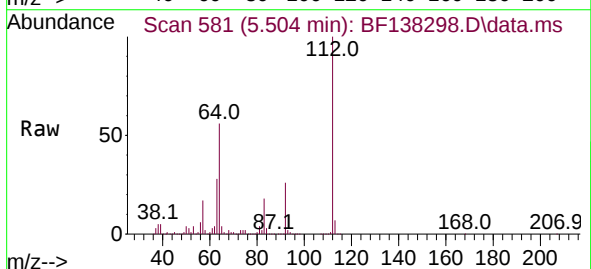
Instrument :
BNA_F
ClientSampleId :
OSTL-B1

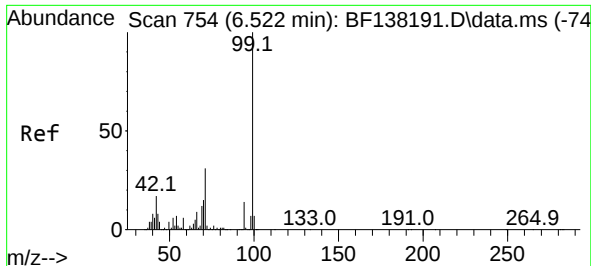
Tgt Ion:152 Resp: 295670
Ion Ratio Lower Upper
152 100
150 155.5 125.0 187.4
115 57.2 48.4 72.6



#5
2-Fluorophenol
Concen: 81.598 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

Tgt Ion:112 Resp: 1442225
Ion Ratio Lower Upper
112 100
64 56.0 45.2 67.8
63 28.5 22.9 34.3

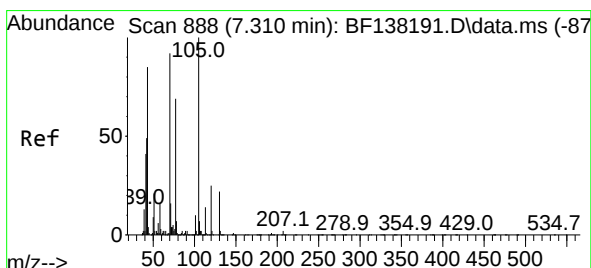
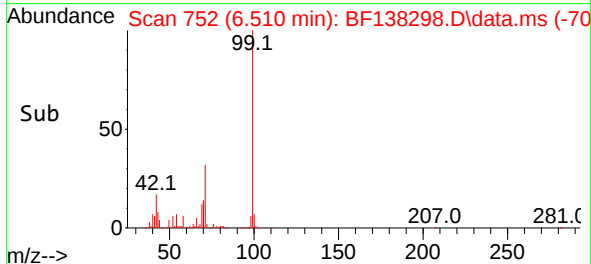
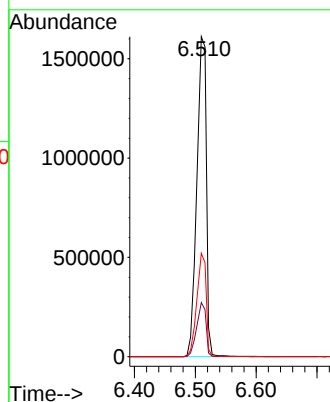
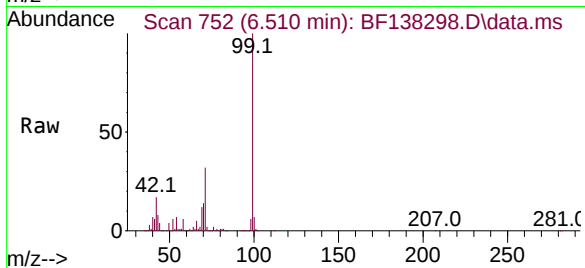




#7
Phenol-d6
Concen: 78.281 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

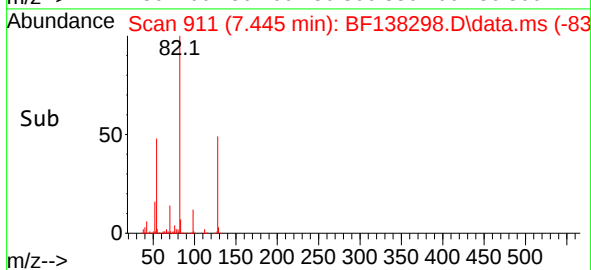
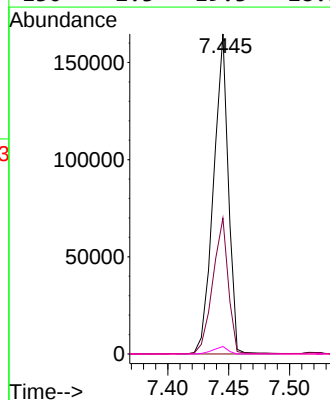
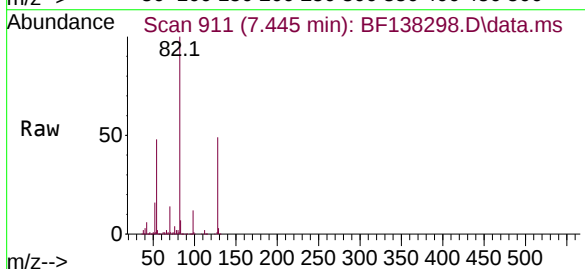
Instrument :
BNA_F
ClientSampleId :
OSTL-B1

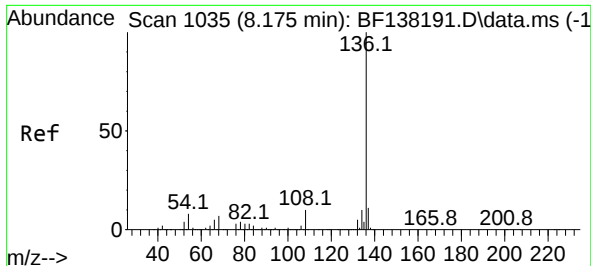
Tgt Ion: 99 Resp: 1754466
Ion Ratio Lower Upper
99 100
42 16.9 13.7 20.5
71 32.3 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.553 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

Tgt Ion: 70 Resp: 140197
Ion Ratio Lower Upper
70 100
42 42.5 42.8 64.2#
101 0.0 8.4 12.6#
130 2.3 19.3 28.9#



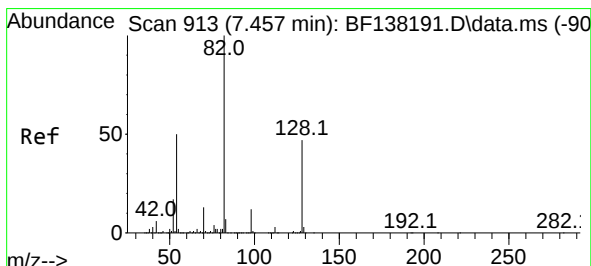
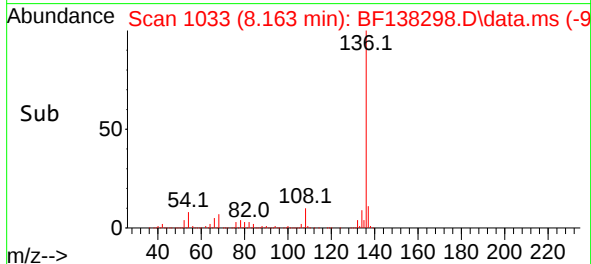
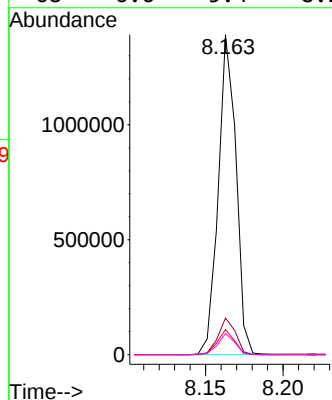
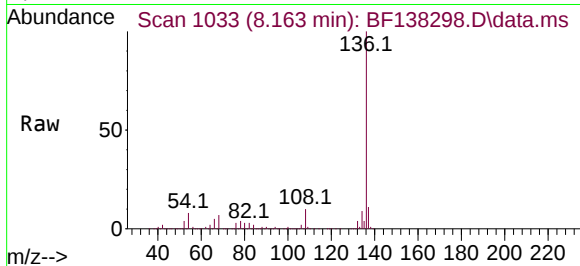


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1035
Delta R.T. -0.012 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

Instrument :
BNA_F
ClientSampleId :
OSTL-B1

Tgt Ion:136 Resp: 1109410

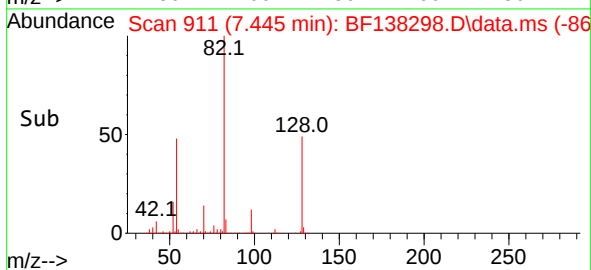
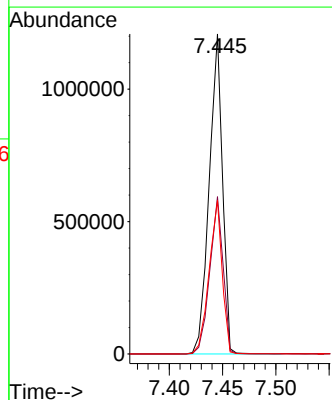
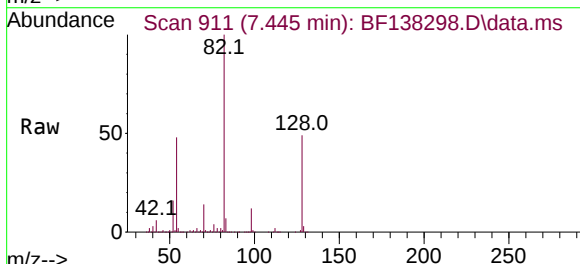
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.8	6.6	10.0
68	6.6	5.4	8.2

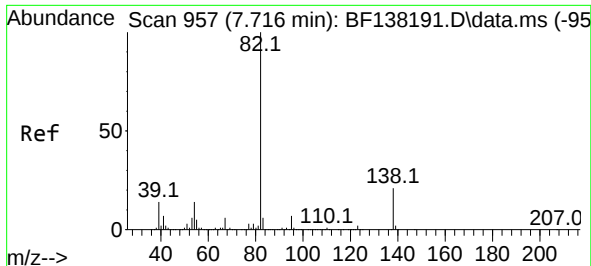


#23
Nitrobenzene-d5
Concen: 55.351 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

Tgt Ion: 82 Resp: 1054814

Ion	Ratio	Lower	Upper
82	100		
128	49.1	37.2	55.8
54	48.1	39.8	59.6

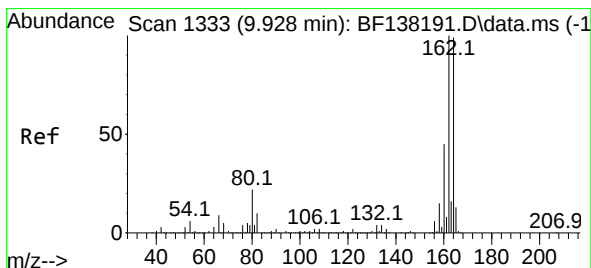
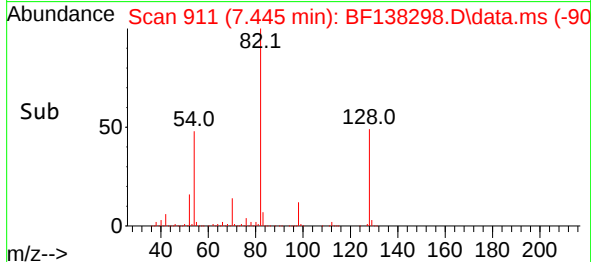
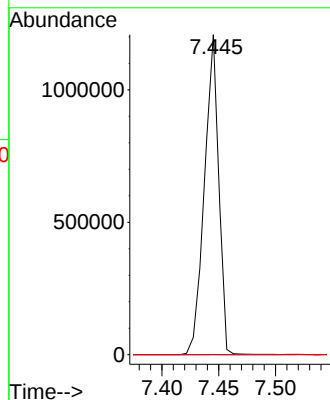
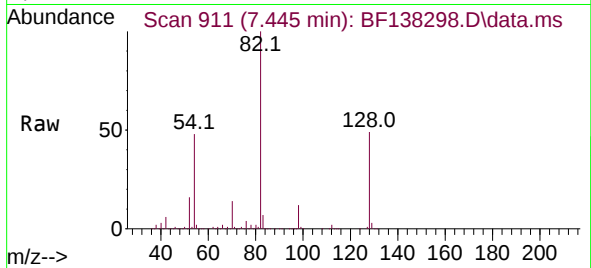




#25
Isophorone
Concen: 30.601 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

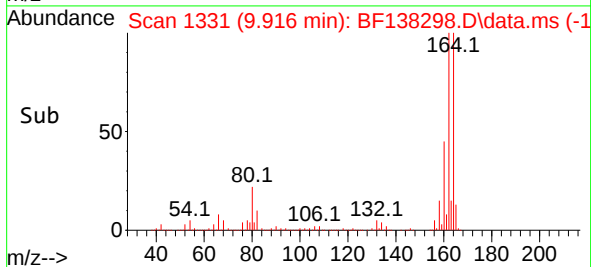
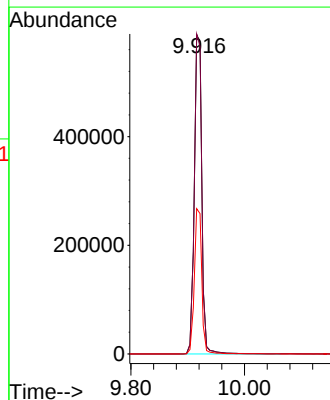
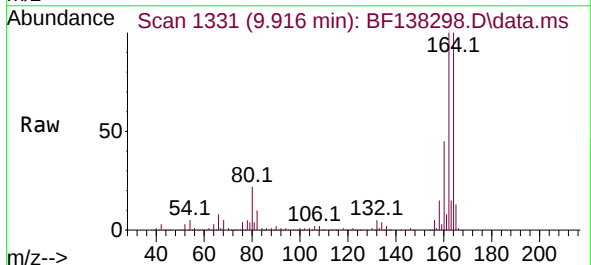
Instrument :
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ClientSampleId :
OSTL-B1

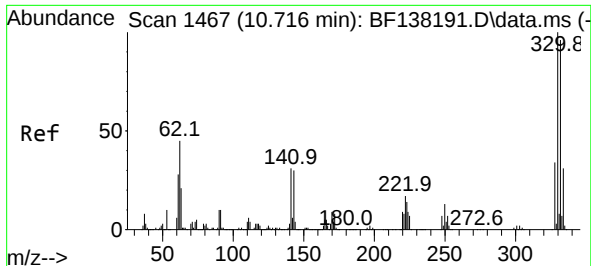
Tgt Ion: 82 Resp: 1054789
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

Tgt Ion:164 Resp: 540205
Ion Ratio Lower Upper
164 100
162 100.3 80.6 121.0
160 45.6 36.3 54.5

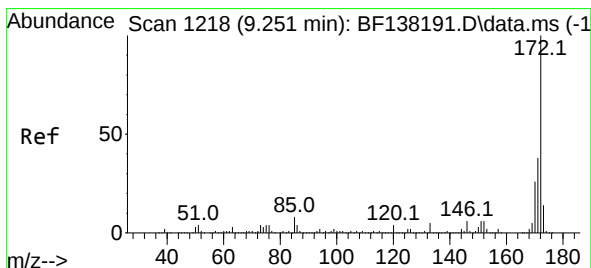
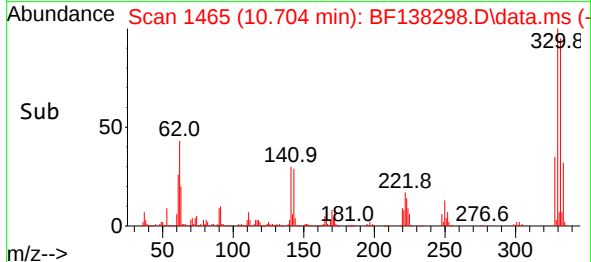
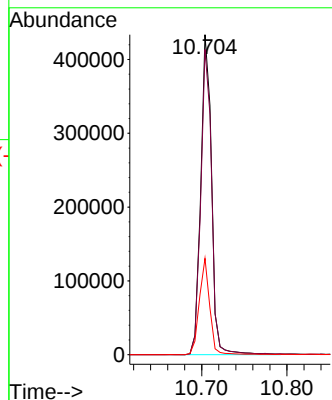
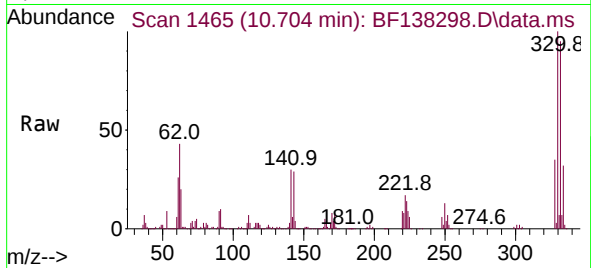




#42
2,4,6-Tribromophenol
Concen: 71.243 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

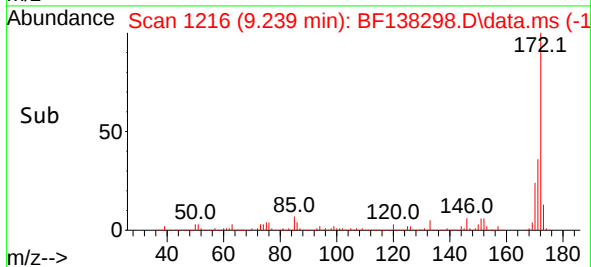
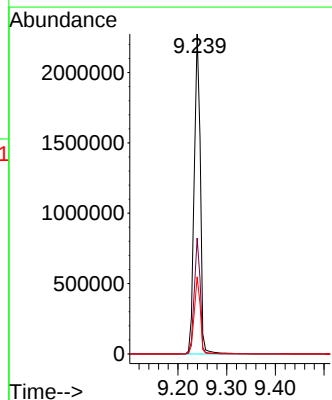
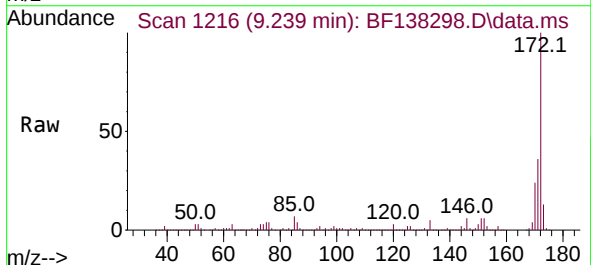
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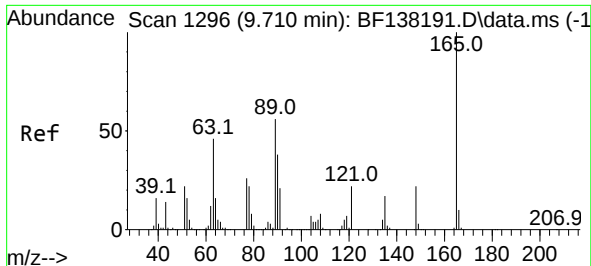
Tgt Ion: 330 Resp: 383133
Ion Ratio Lower Upper
330 100
332 96.4 76.6 115.0
141 28.9 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 58.700 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

Tgt Ion: 172 Resp: 1994169
Ion Ratio Lower Upper
172 100
171 36.2 30.3 45.5
170 24.1 20.6 30.8

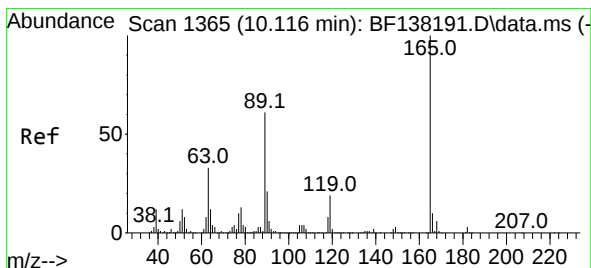
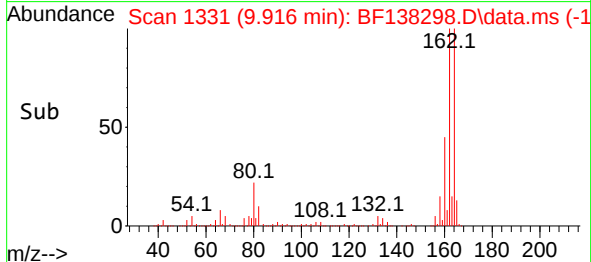
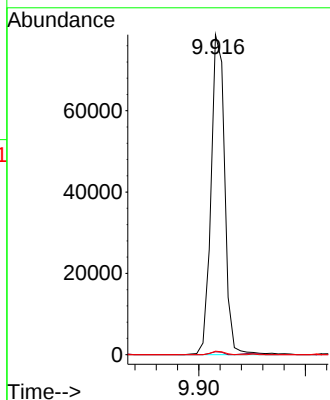
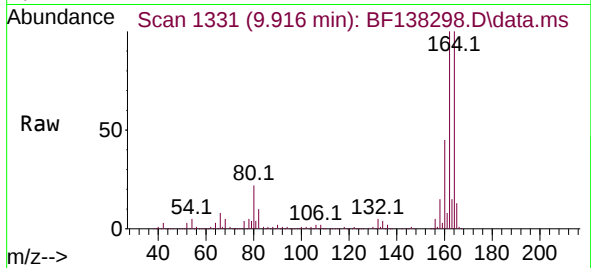




#51
2,6-Dinitrotoluene
Concen: 9.784 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

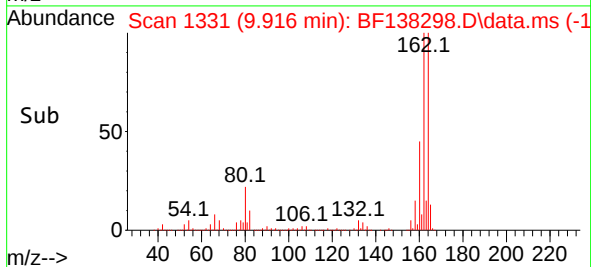
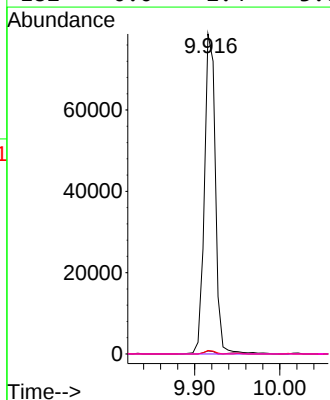
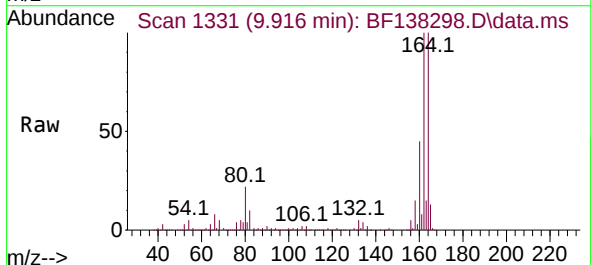
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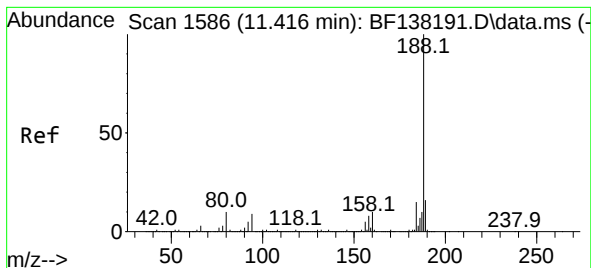
Tgt Ion:165 Resp: 70252
Ion Ratio Lower Upper
165 100
63 0.9 43.7 65.5#
89 1.1 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 7.949 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

Tgt Ion:165 Resp: 70399
Ion Ratio Lower Upper
165 100
63 0.9 26.6 39.8#
89 1.1 48.7 73.1#
182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138298.D

Acq: 21 Jun 2024 21:38

Instrument :

BNA_F

ClientSampleId :

OSTL-B1

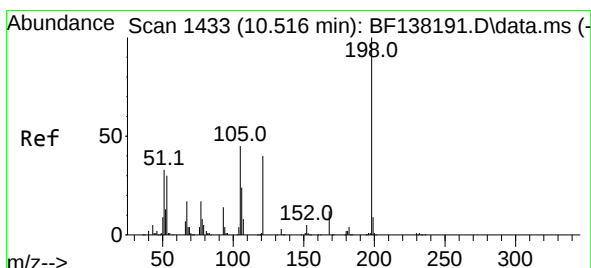
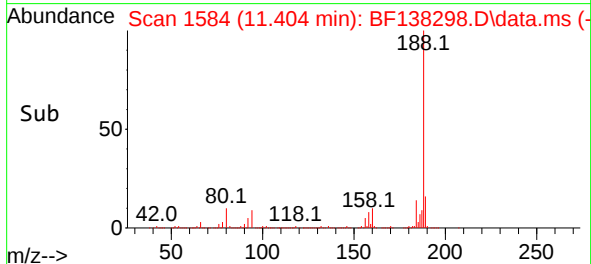
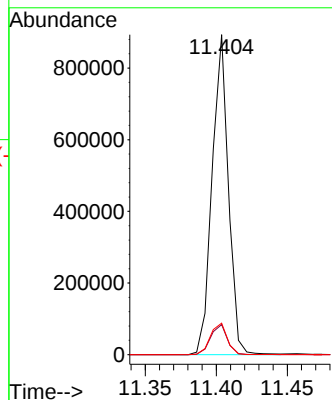
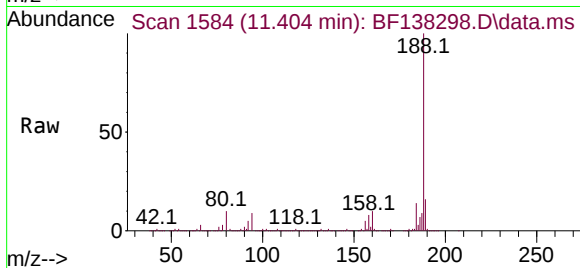
Tgt Ion:188 Resp: 714387

Ion Ratio Lower Upper

188 100

94 9.4 7.6 11.4

80 9.9 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.151 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138298.D

Acq: 21 Jun 2024 21:38

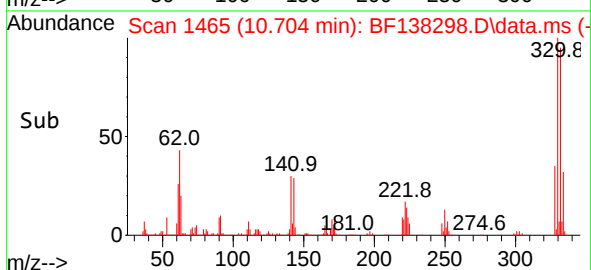
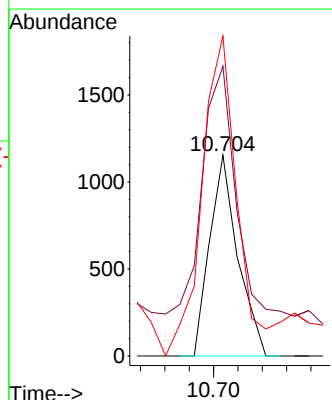
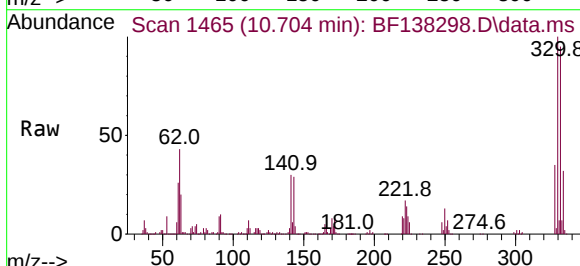
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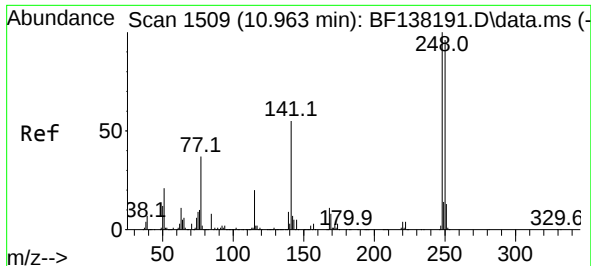
Ion Ratio Lower Upper

198 100

51 144.4 26.9 66.9#

105 159.5 26.0 66.0#

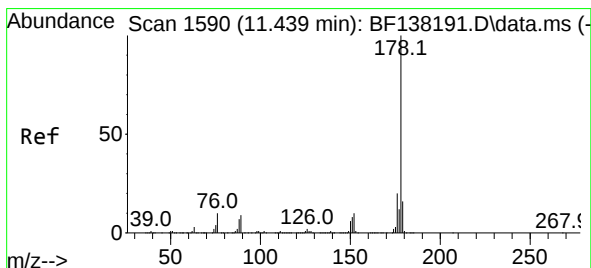
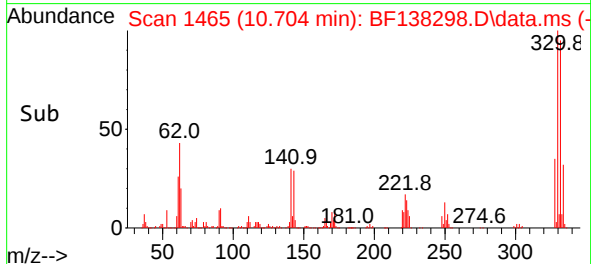
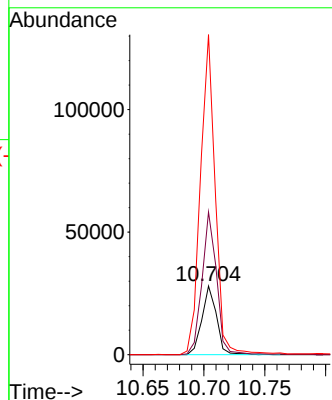
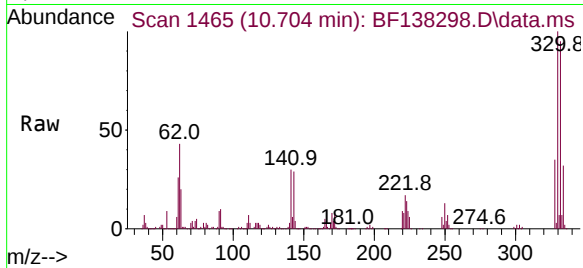




#67
4-Bromophenyl-phenylether
Concen: 2.906 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.259 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

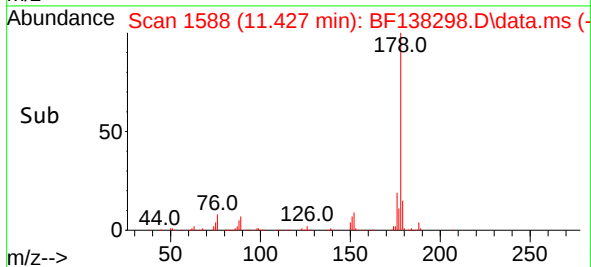
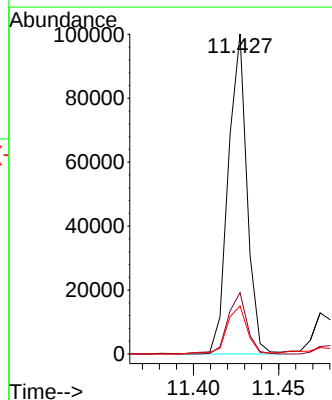
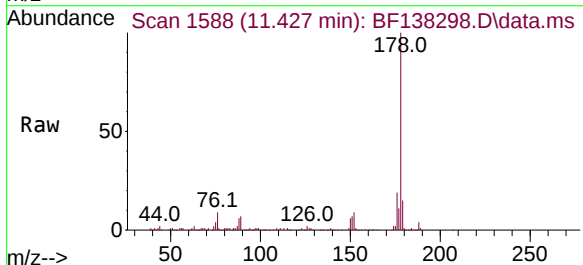
Instrument :
BNA_F
ClientSampleId :
OSTL-B1

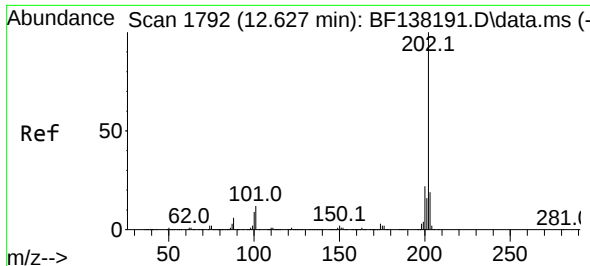
Tgt Ion:248 Resp: 23396
Ion Ratio Lower Upper
248 100
250 208.0 77.2 115.8#
141 466.5 44.1 66.1#



#71
Phenanthrene
Concen: 2.169 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

Tgt Ion:178 Resp: 76639
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 15.0 13.1 19.7

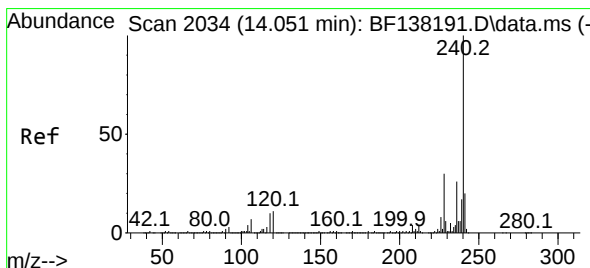
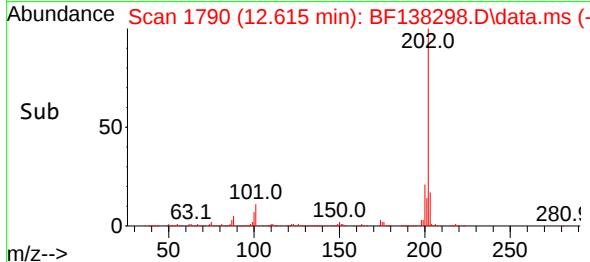
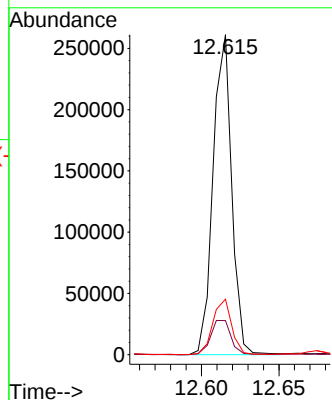
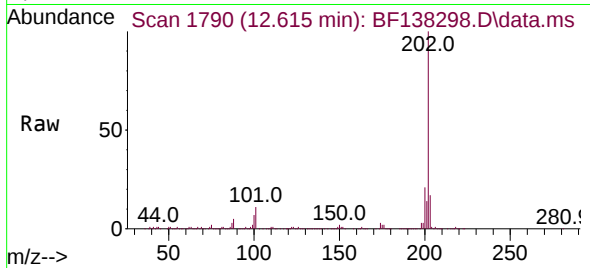




#75
Fluoranthene
Concen: 6.053 ng
RT: 12.615 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

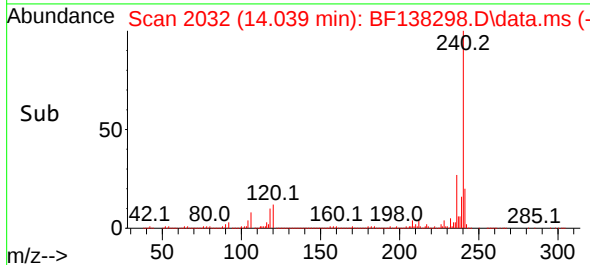
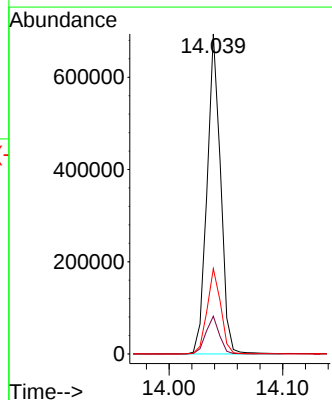
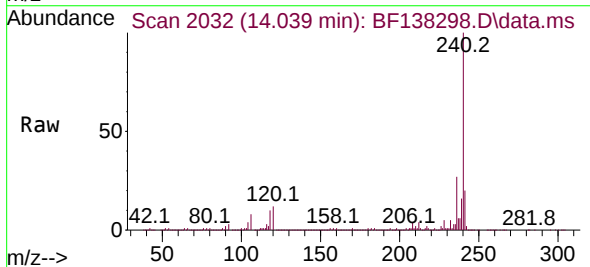
Instrument :
BNA_F
ClientSampleId :
OSTL-B1

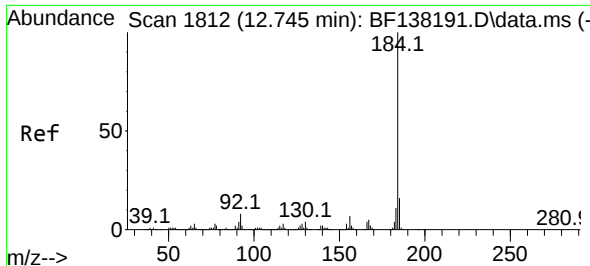
Tgt Ion:202 Resp: 218046
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.8
203 17.3 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

Tgt Ion:240 Resp: 573332
Ion Ratio Lower Upper
240 100
120 11.8 9.2 13.8
236 26.6 21.0 31.6

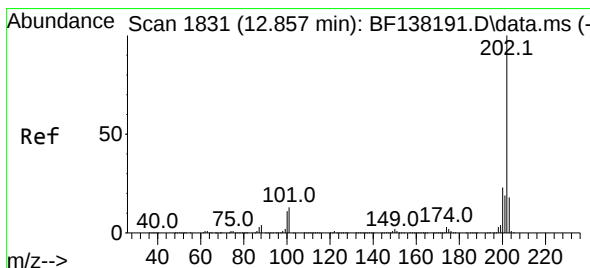
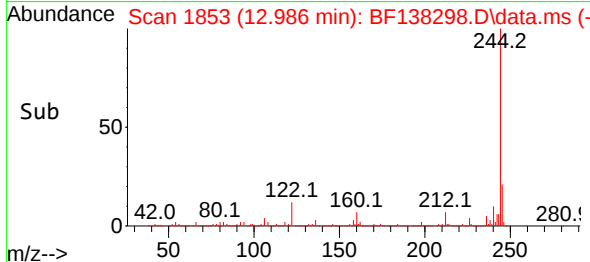
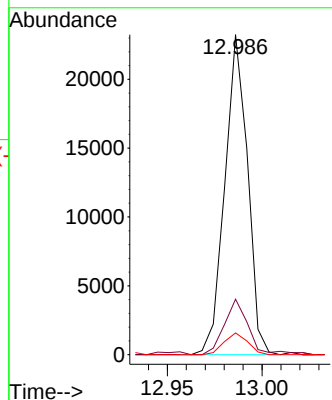
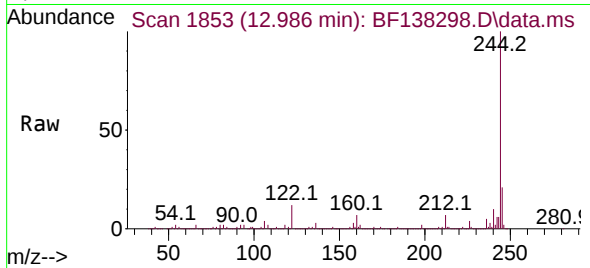




#77
Benzidine
Concen: 2.923 ng
RT: 12.986 min Scan# 1853
Delta R.T. 0.241 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

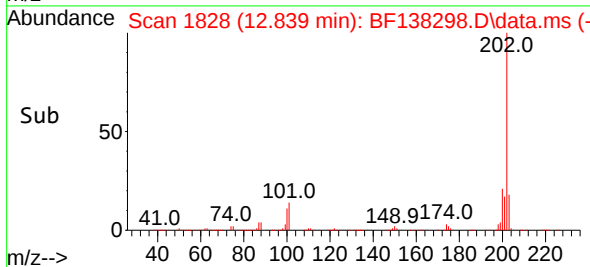
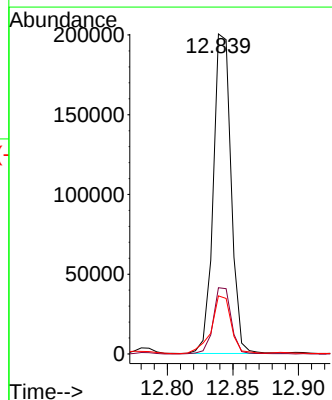
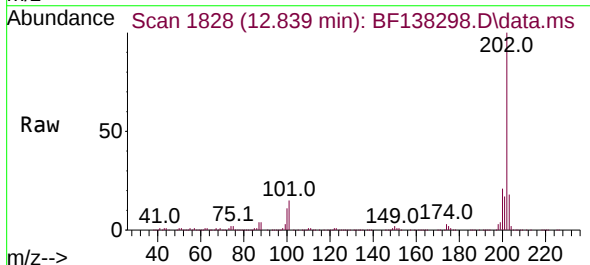
Instrument :
BNA_F
ClientSampleId :
OSTL-B1

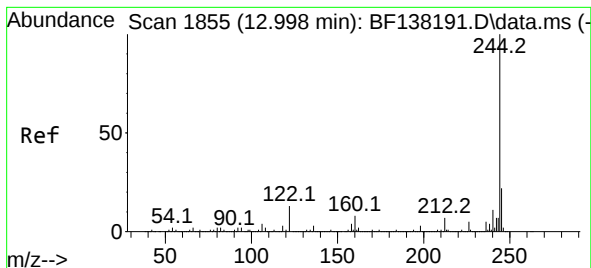
Tgt Ion:184 Resp: 19386
Ion Ratio Lower Upper
184 100
185 17.3 12.6 19.0
183 6.8 9.0 13.6#



#78
Pyrene
Concen: 3.825 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.018 min
Lab File: BF138298.D
Acq: 21 Jun 2024 21:38

Tgt Ion:202 Resp: 189147
Ion Ratio Lower Upper
202 100
200 20.7 18.0 27.0
203 18.1 14.7 22.1





#79

Terphenyl-d14

Concen: 43.298 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.012 min

Lab File: BF138298.D

Acq: 21 Jun 2024 21:38

Instrument :

BNA_F

ClientSampleId :

OSTL-B1

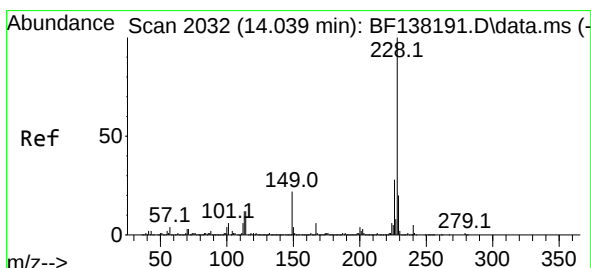
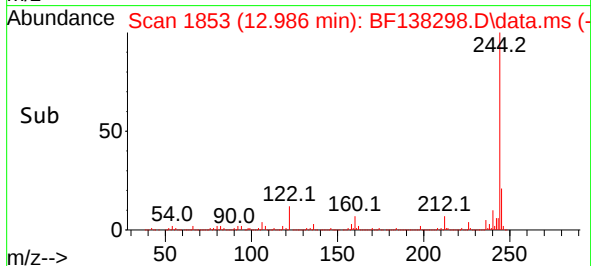
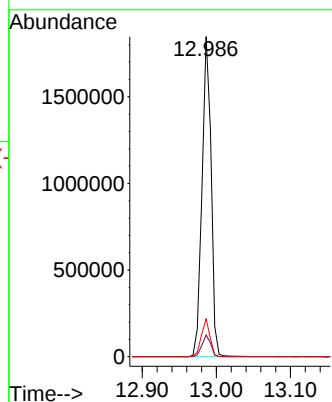
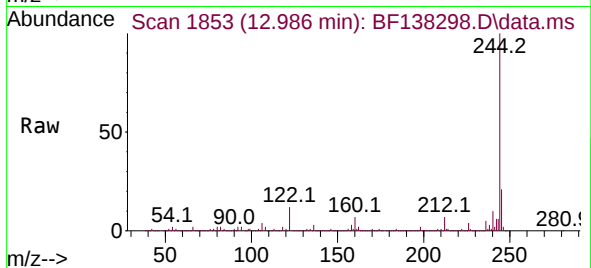
Tgt Ion:244 Resp: 1567362

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

122 11.8 10.6 15.8



#81

Benzo(a)anthracene

Concen: 2.993 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138298.D

Acq: 21 Jun 2024 21:38

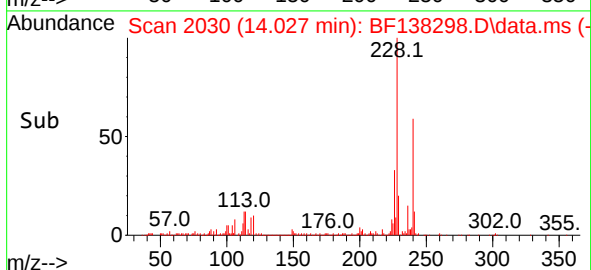
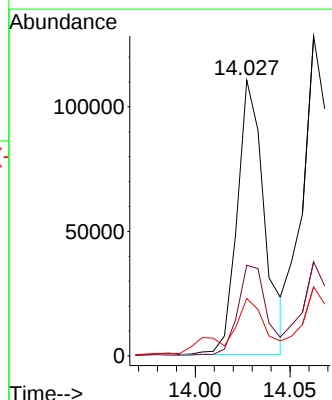
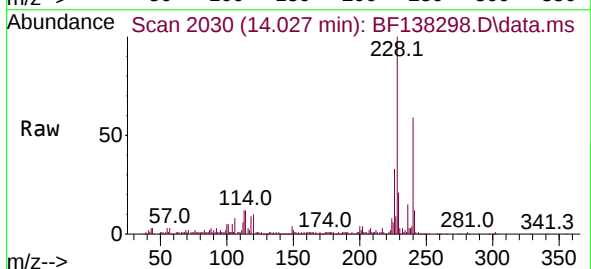
Tgt Ion:228 Resp: 110092

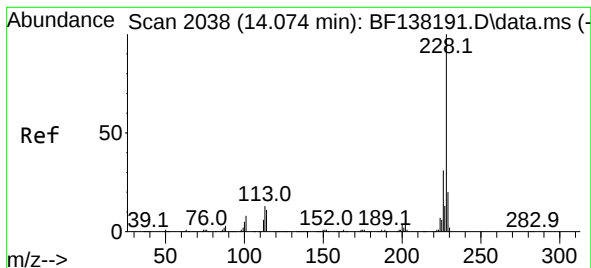
Ion Ratio Lower Upper

228 100

226 32.9 22.5 33.7

229 20.8 16.3 24.5





#83

Chrysene

Concen: 3.499 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF138298.D

Acq: 21 Jun 2024 21:38

Instrument :

BNA_F

ClientSampleId :

OSTL-B1

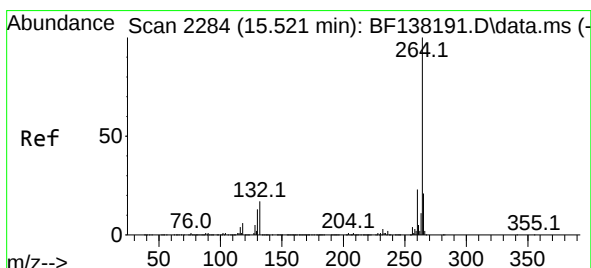
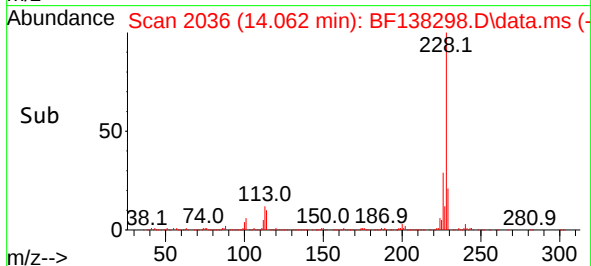
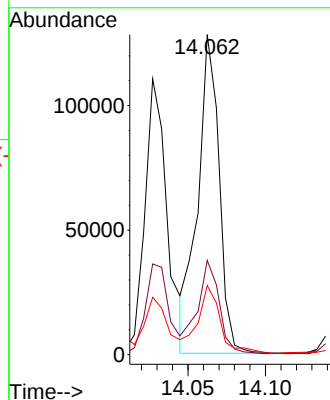
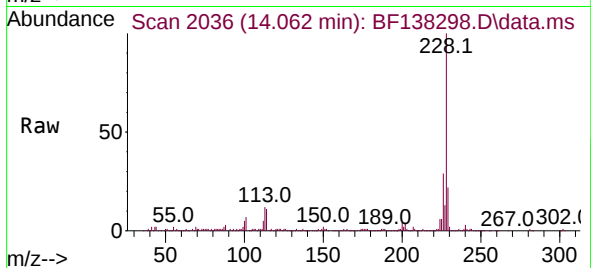
Tgt Ion:228 Resp: 122686

Ion Ratio Lower Upper

228 100

226 29.5 24.5 36.7

229 21.6 16.3 24.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2282

Delta R.T. -0.012 min

Lab File: BF138298.D

Acq: 21 Jun 2024 21:38

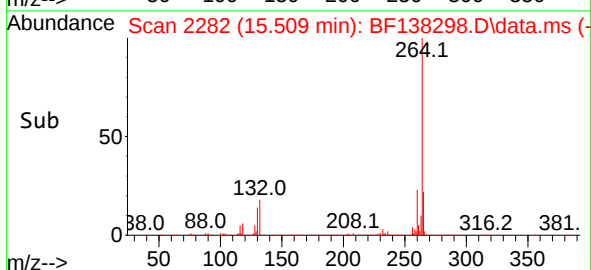
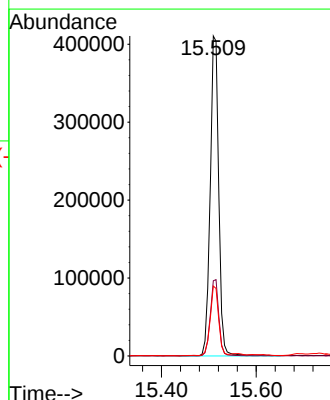
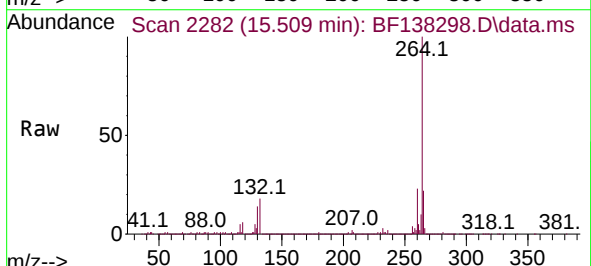
Tgt Ion:264 Resp: 514152

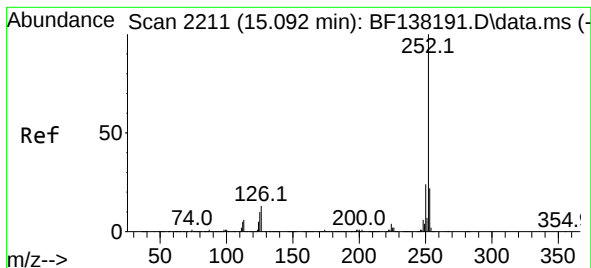
Ion Ratio Lower Upper

264 100

260 23.5 18.7 28.1

265 21.9 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 7.333 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138298.D

Acq: 21 Jun 2024 21:38

Instrument :

BNA_F

ClientSampleId :

OSTL-B1

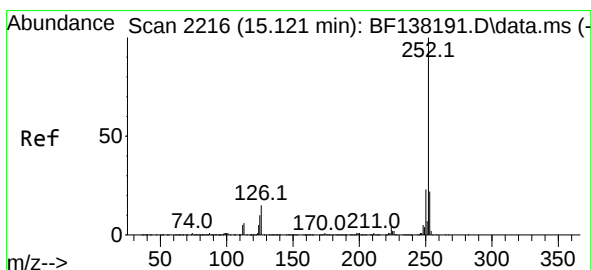
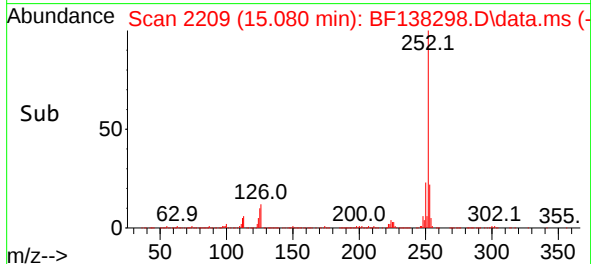
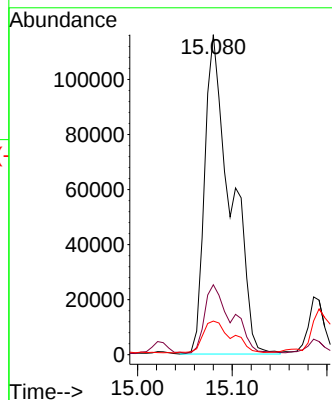
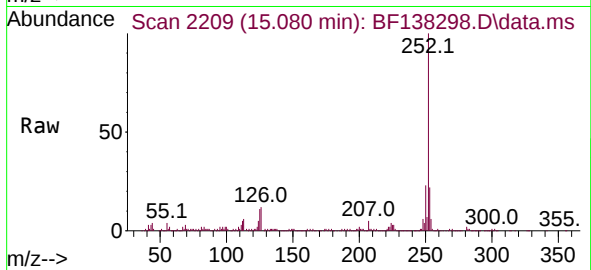
Tgt Ion:252 Resp: 222345

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 10.5 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 7.483 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.041 min

Lab File: BF138298.D

Acq: 21 Jun 2024 21:38

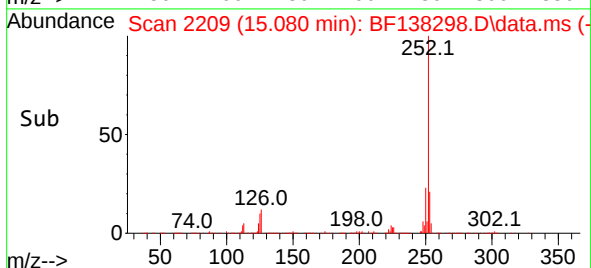
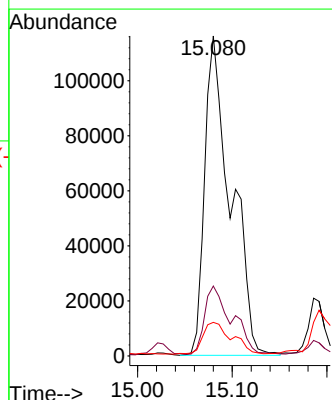
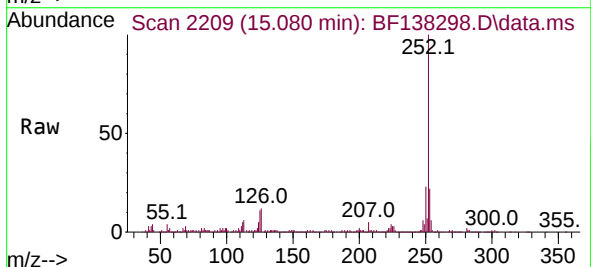
Tgt Ion:252 Resp: 222345

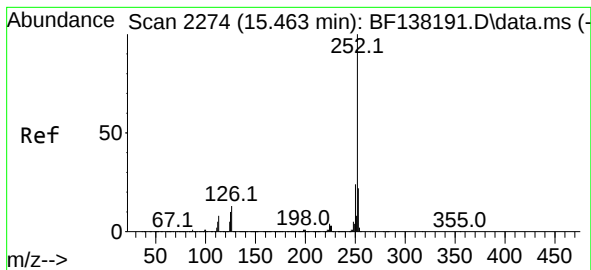
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 10.5 8.0 12.0





#90

Benzo(a)pyrene

Concen: 3.568 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138298.D

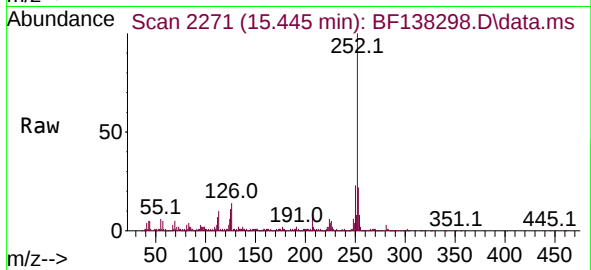
Acq: 21 Jun 2024 21:38

Instrument :

BNA_F

ClientSampleId :

OSTL-B1



Tgt Ion:252 Resp: 92939

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 11.3 8.2 12.2

