

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062724\
 Data File : BF138375.D
 Acq On : 27 Jun 2024 19:39
 Operator : CG\JU
 Sample : P3053-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1A

Quant Time: Jun 28 01:13:30 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

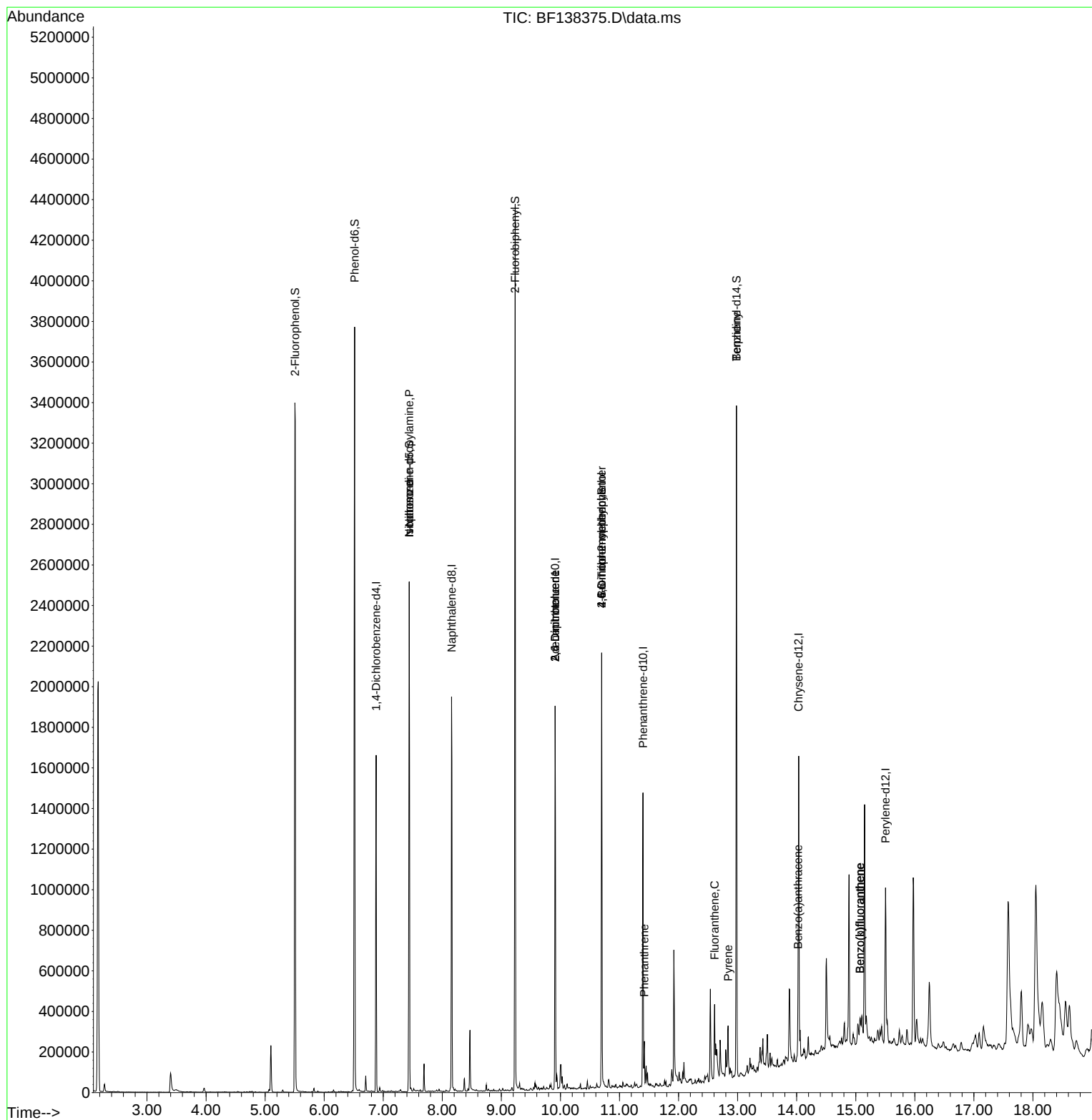
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	229623	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	827555	20.000	ng	-0.02
39) Acenaphthene-d10	9.910	164	369416	20.000	ng	-0.02
64) Phenanthrene-d10	11.398	188	509171	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	452688	20.000	ng	-0.02
86) Perylene-d12	15.504	264	358955	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1053806	76.771	ng	0.00
7) Phenol-d6	6.516	99	1244992	71.527	ng	0.00
23) Nitrobenzene-d5	7.439	82	770751	54.220	ng	-0.02
42) 2,4,6-Tribromophenol	10.698	330	247752	67.368	ng	-0.02
45) 2-Fluorobiphenyl	9.233	172	1237862	53.284	ng	-0.02
79) Terphenyl-d14	12.980	244	1073009	37.542	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	101248	9.813	ng	# 76
25) Isophorone	7.439	82	770742	29.976	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	47783	9.731	ng	# 25
57) 2,4-Dinitrotoluene	9.910	165	47783	7.890	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.698	198	517	7.105	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	15179	2.646	ng	# 1
71) Phenanthrene	11.422	178	72911	2.896	ng	97
75) Fluoranthene	12.610	202	119589	4.657	ng	96
77) Benzidine	12.980	184	13525	2.583	ng	# 92
78) Pyrene	12.839	202	105566	2.704	ng	95
81) Benzo(a)anthracene	14.021	228	58506	2.015	ng	97
88) Benzo(b)fluoranthene	15.074	252	74289	3.509	ng	# 95
89) Benzo(k)fluoranthene	15.074	252	74289	3.581	ng	# 95

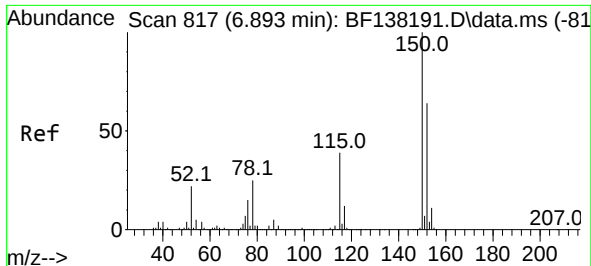
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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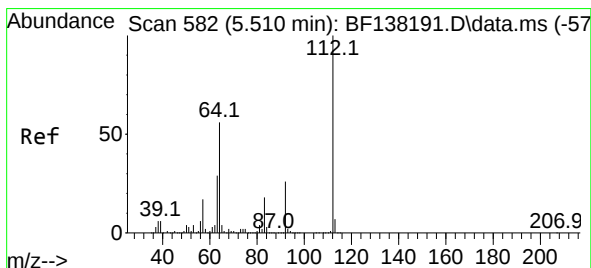
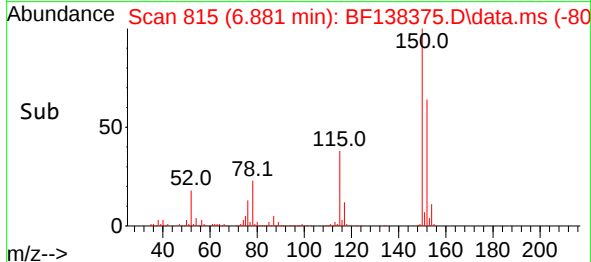
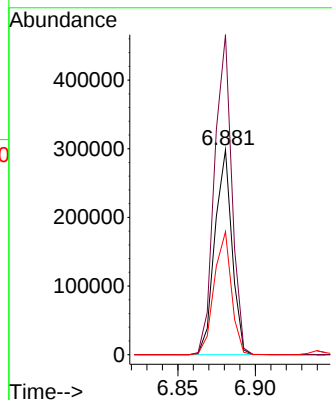
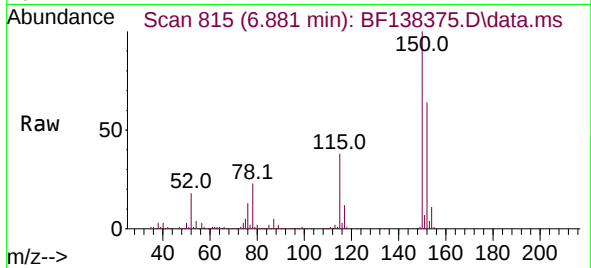




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 815
 Delta R.T. -0.012 min
 Lab File: BF138375.D
 Acq: 27 Jun 2024 19:39

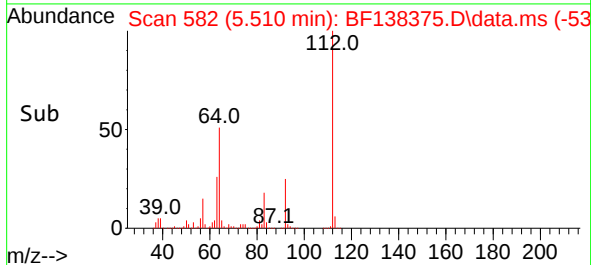
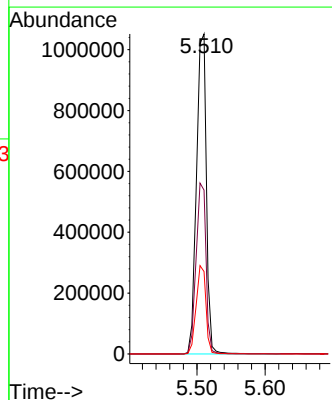
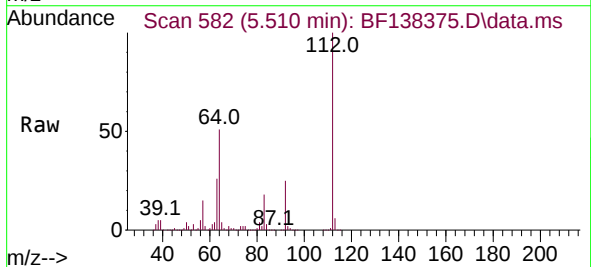
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 ClientSampleId :
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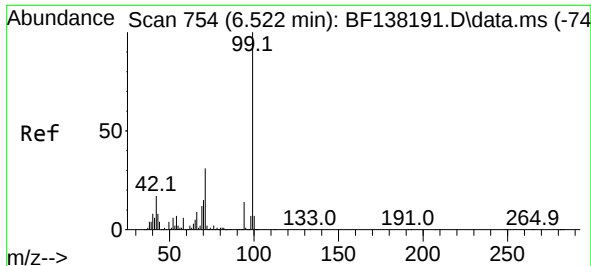
Tgt Ion:152 Resp: 229623
 Ion Ratio Lower Upper
 152 100
 150 156.3 125.0 187.4
 115 60.0 48.4 72.6



#5
 2-Fluorophenol
 Concen: 76.771 ng
 RT: 5.510 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: BF138375.D
 Acq: 27 Jun 2024 19:39

Tgt Ion:112 Resp: 1053806
 Ion Ratio Lower Upper
 112 100
 64 51.2 45.2 67.8
 63 25.7 22.9 34.3

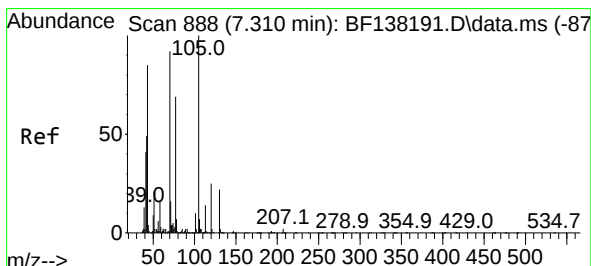
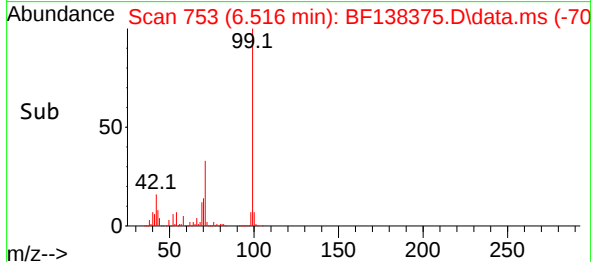
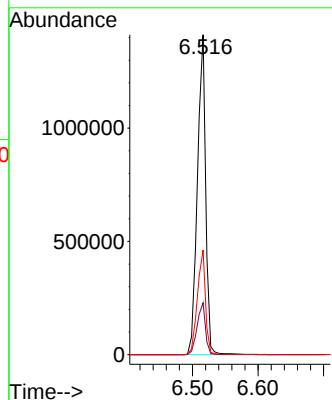
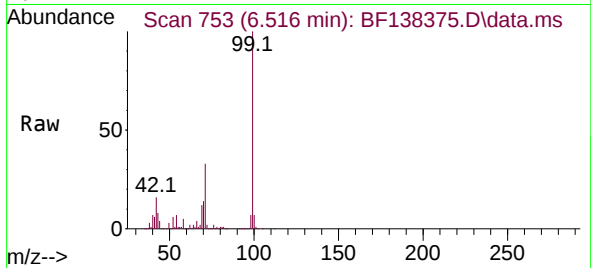




#7
Phenol-d6
Concen: 71.527 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

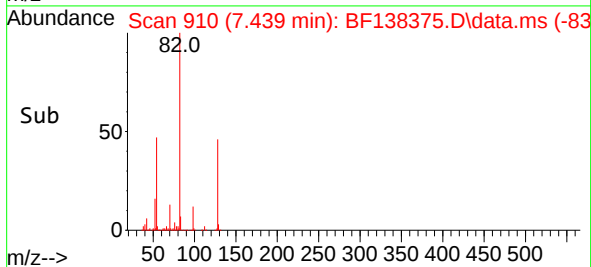
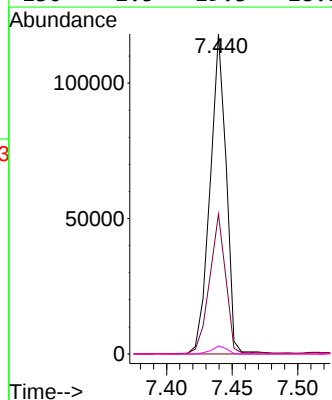
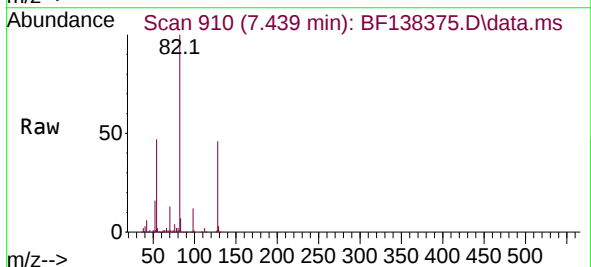
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ClientSampleId :
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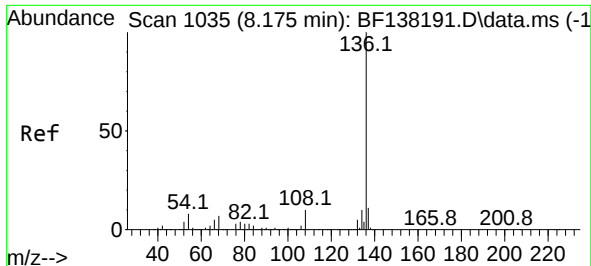
Tgt Ion: 99 Resp: 1244992
Ion Ratio Lower Upper
99 100
42 16.2 13.7 20.5
71 32.7 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 9.813 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.129 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

Tgt Ion: 70 Resp: 101248
Ion Ratio Lower Upper
70 100
42 43.7 42.8 64.2
101 0.0 8.4 12.6#
130 2.5 19.3 28.9#

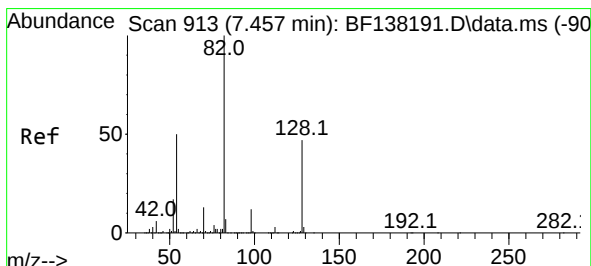
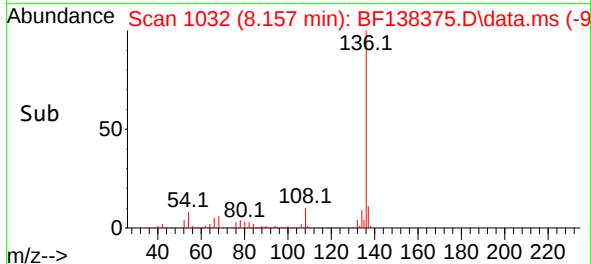
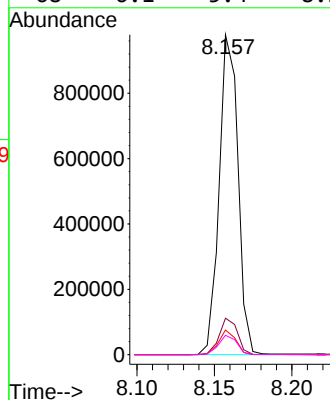
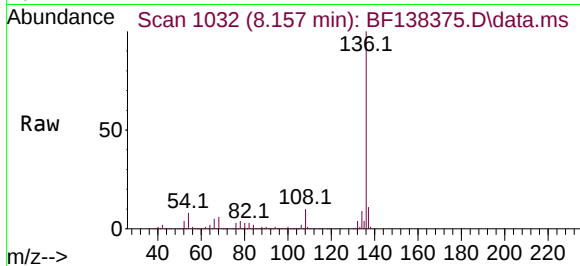




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

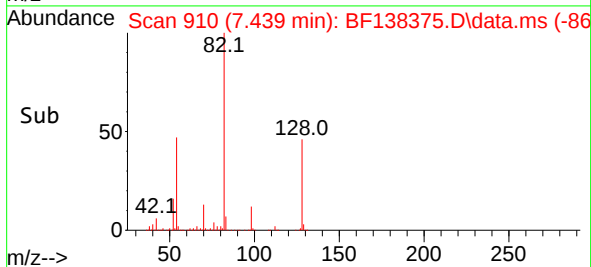
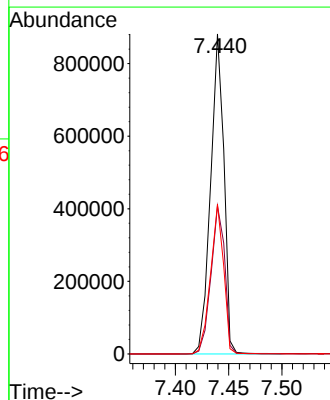
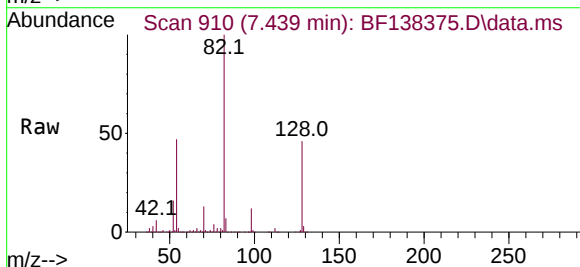
Instrument :
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ClientSampleId :
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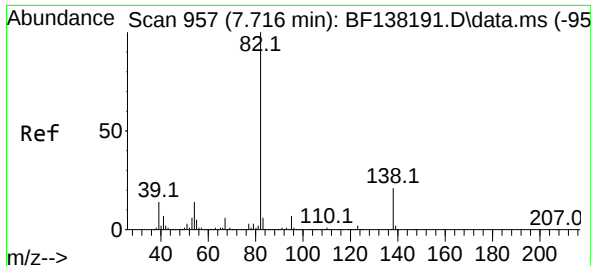
Tgt Ion:136	Resp: 827555
Ion Ratio	Lower Upper
136 100	
137 11.4	9.1 13.7
54 7.7	6.6 10.0
68 6.1	5.4 8.2



#23
Nitrobenzene-d5
Concen: 54.220 ng
RT: 7.439 min Scan# 910
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

Tgt Ion: 82	Resp: 770751
Ion Ratio	Lower Upper
82 100	
128 46.3	37.2 55.8
54 46.8	39.8 59.6

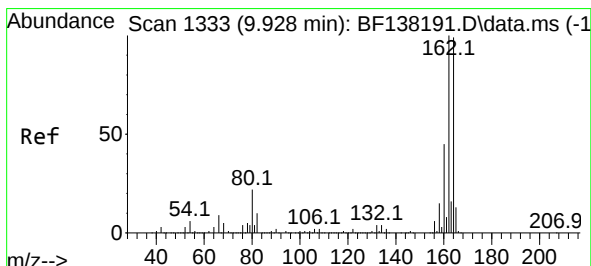
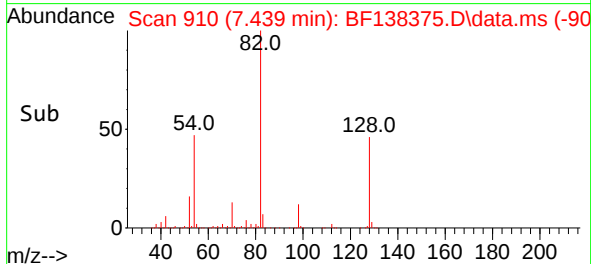
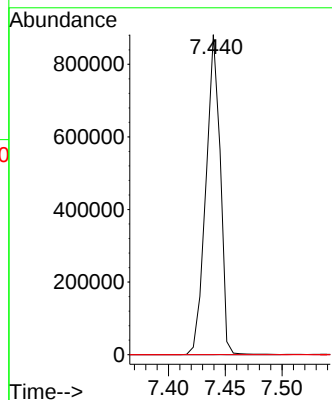
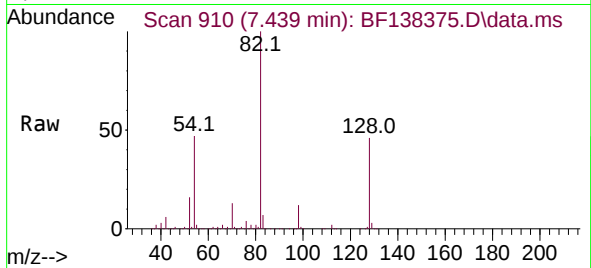




#25
Isophorone
Concen: 29.976 ng
RT: 7.439 min Scan# 91
Delta R.T. -0.277 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

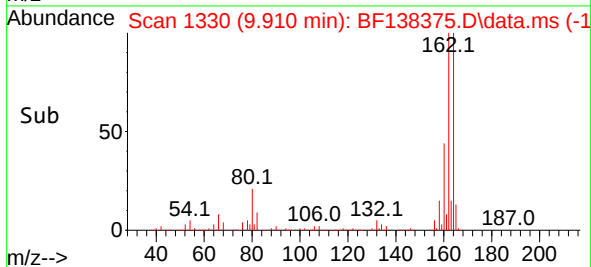
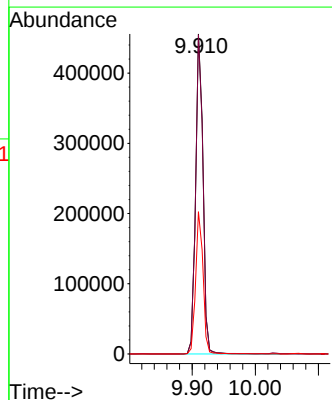
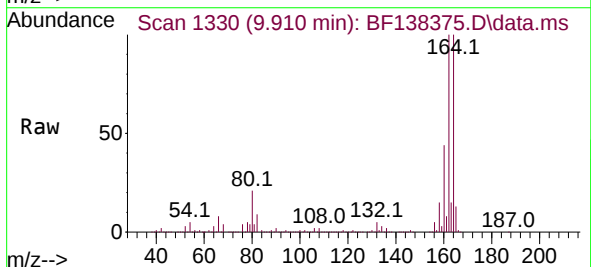
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ClientSampleId :
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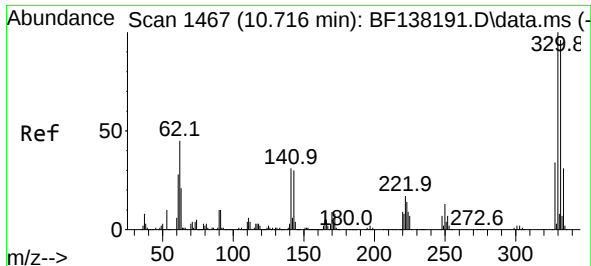
Tgt Ion: 82 Resp: 770742
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

Tgt Ion: 164 Resp: 369416
Ion Ratio Lower Upper
164 100
162 99.7 80.6 121.0
160 44.5 36.3 54.5



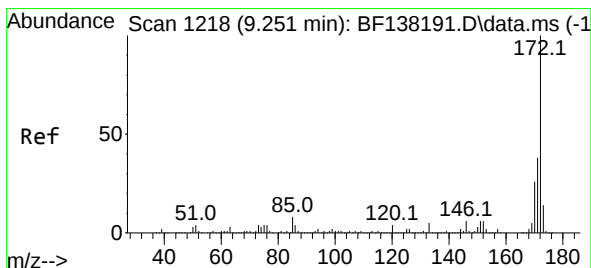
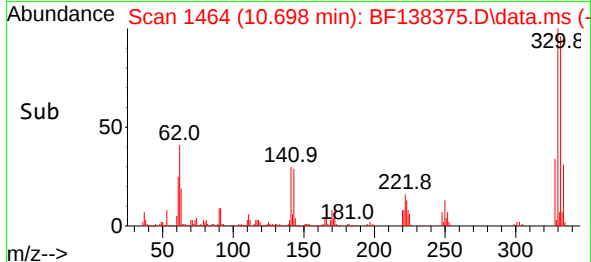
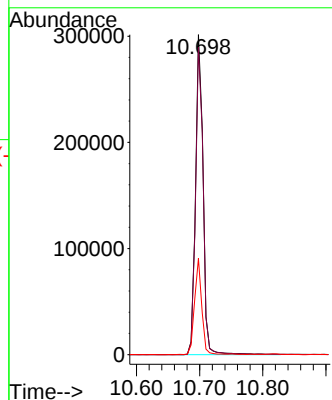
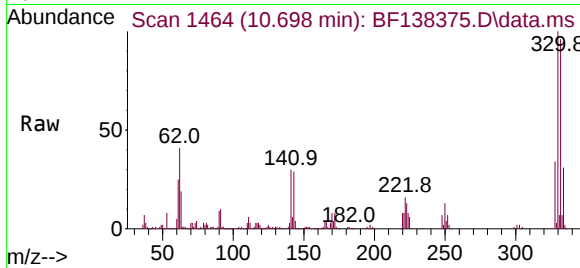


#42
 2,4,6-Tribromophenol
 Concen: 67.368 ng
 RT: 10.698 min Scan# 1464
 Delta R.T. -0.018 min
 Lab File: BF138375.D
 Acq: 27 Jun 2024 19:39

Instrument :
 BNA_F
 ClientSampleId :
 1A

Tgt Ion: 330 Resp: 247752

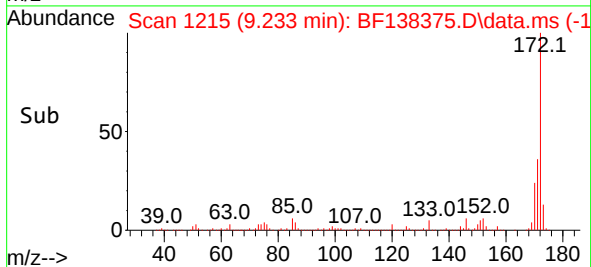
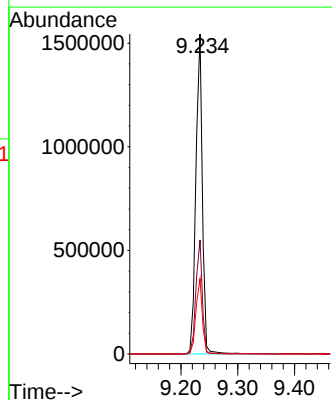
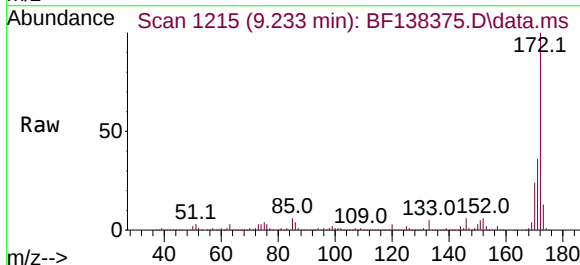
Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	29.2	23.9	35.9

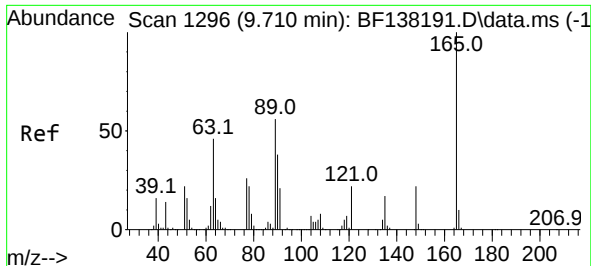


#45
 2-Fluorobiphenyl
 Concen: 53.284 ng
 RT: 9.233 min Scan# 1215
 Delta R.T. -0.018 min
 Lab File: BF138375.D
 Acq: 27 Jun 2024 19:39

Tgt Ion: 172 Resp: 1237862

Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.3	45.5
170	23.5	20.6	30.8

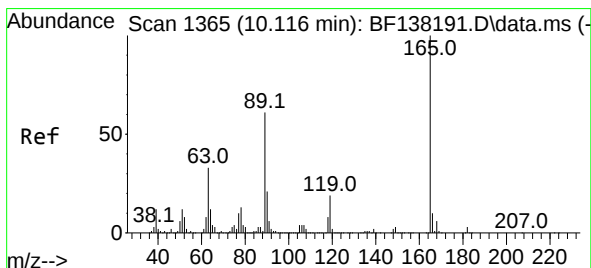
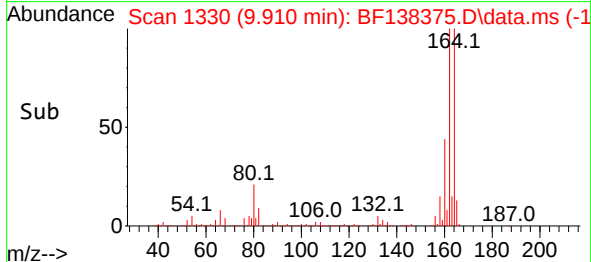
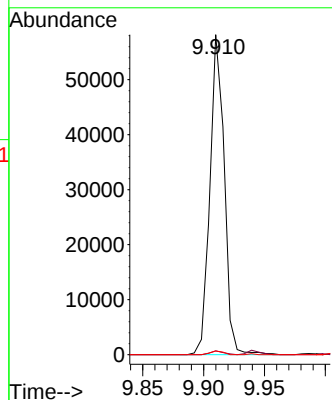
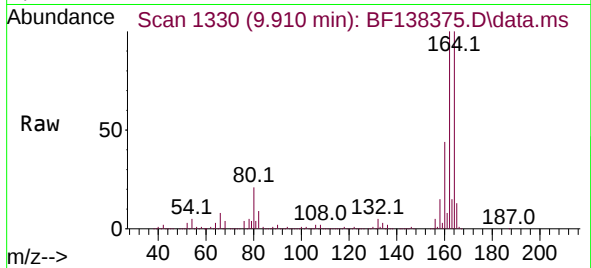




#51
2,6-Dinitrotoluene
Concen: 9.731 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.200 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

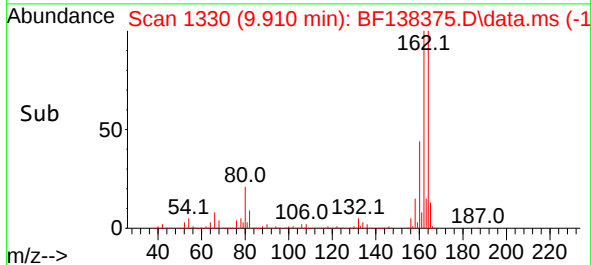
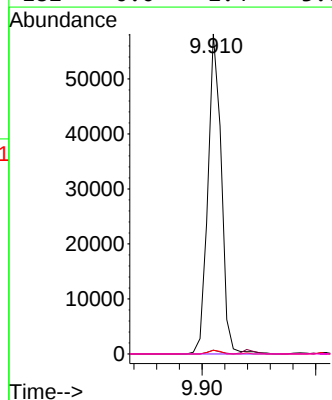
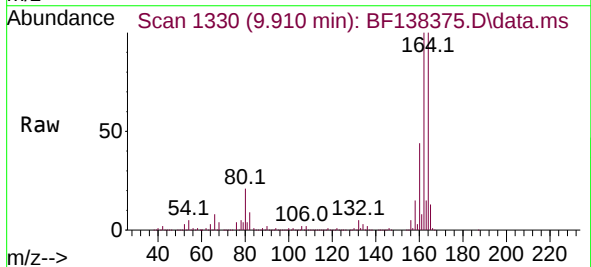
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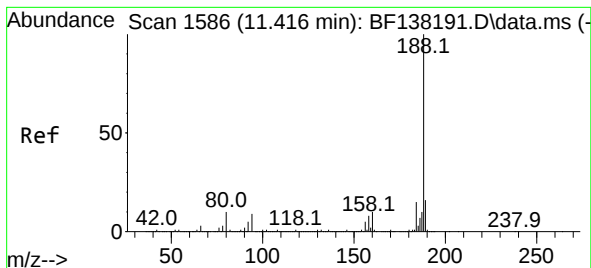
Tgt Ion:165 Resp: 47783
Ion Ratio Lower Upper
165 100
63 1.2 43.7 65.5#
89 1.1 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 7.890 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.206 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

Tgt Ion:165 Resp: 47783
Ion Ratio Lower Upper
165 100
63 1.2 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: 11.398 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

1A

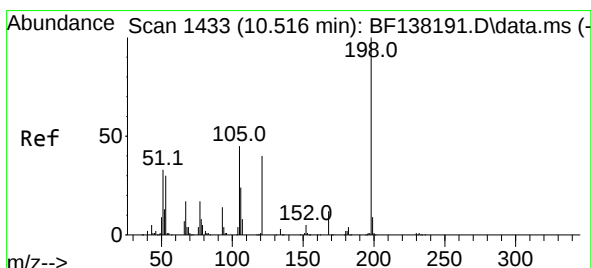
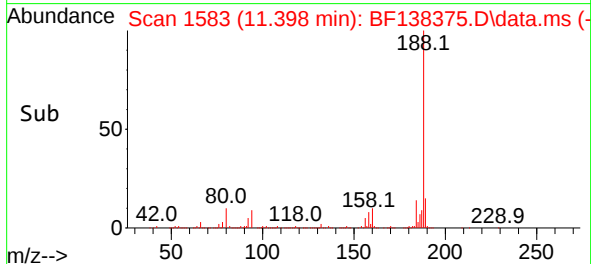
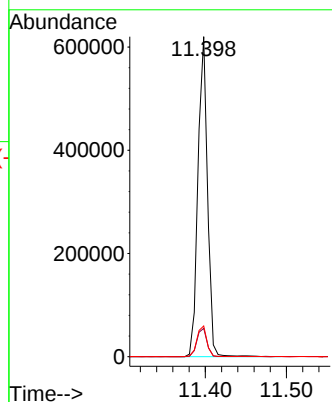
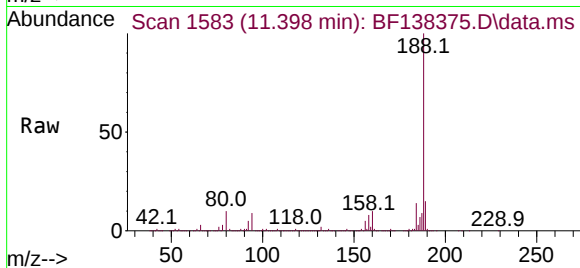
Tgt Ion:188 Resp: 509171

Ion Ratio Lower Upper

188 100

94 8.8 7.6 11.4

80 9.6 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.105 ng

RT: 10.698 min Scan# 1464

Delta R.T. 0.182 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

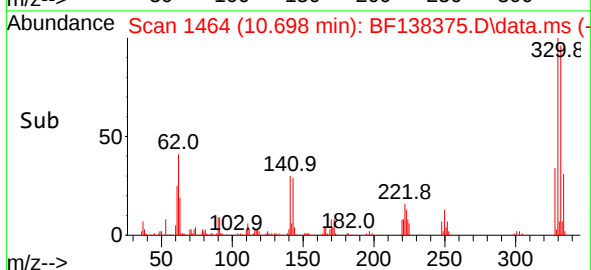
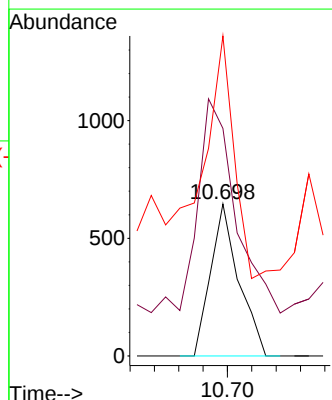
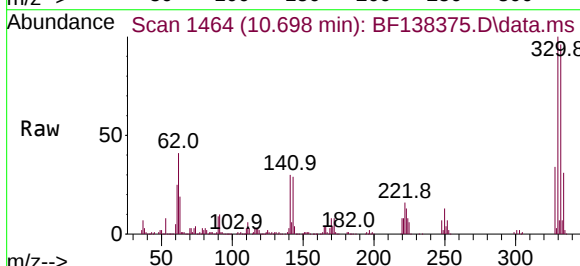
Tgt Ion:198 Resp: 517

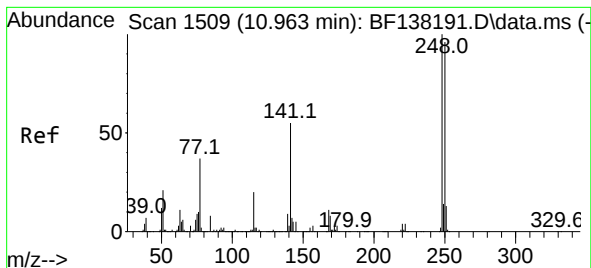
Ion Ratio Lower Upper

198 100

51 149.7 26.9 66.9#

105 210.5 26.0 66.0#

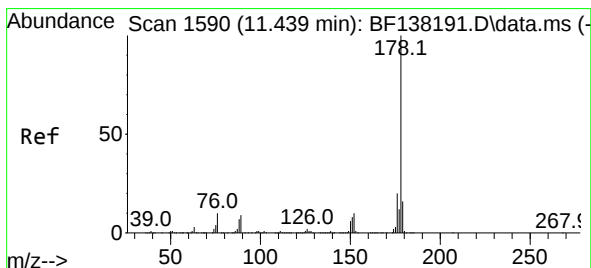
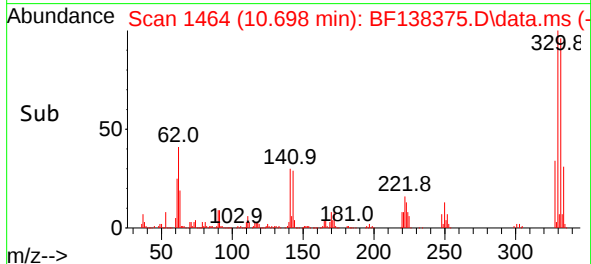
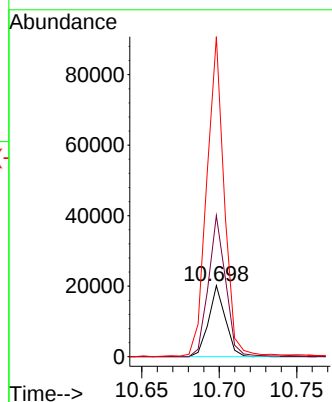
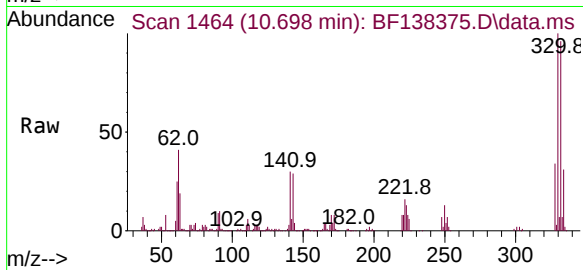




#67
4-Bromophenyl-phenylether
Concen: 2.646 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.265 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

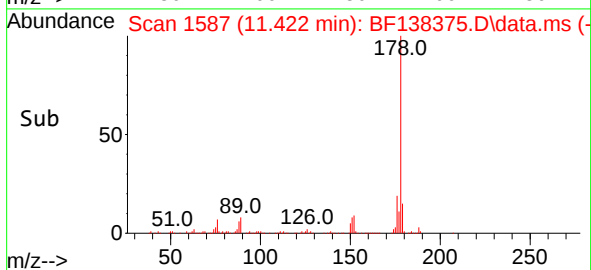
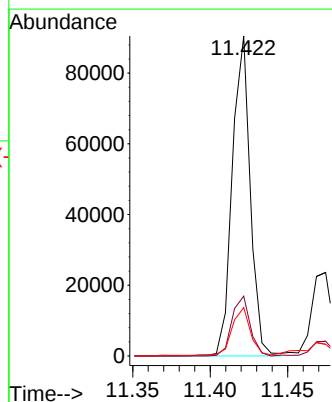
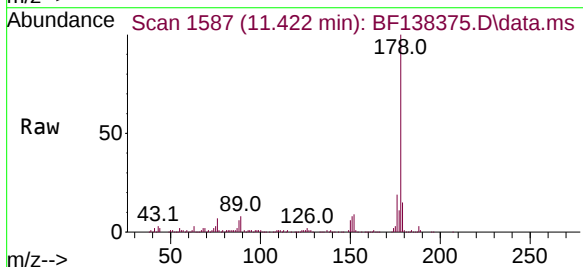
Instrument :
BNA_F
ClientSampleId :
1A

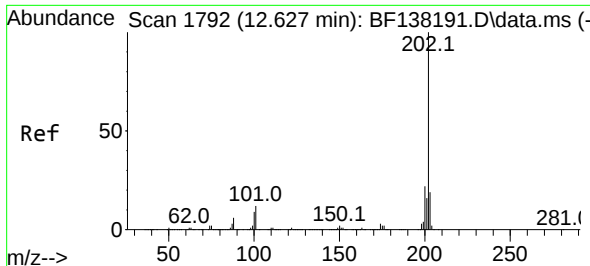
Tgt Ion:248 Resp: 15179
Ion Ratio Lower Upper
248 100
250 198.6 77.2 115.8#
141 450.5 44.1 66.1#



#71
Phenanthrene
Concen: 2.896 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

Tgt Ion:178 Resp: 72911
Ion Ratio Lower Upper
178 100
176 18.7 16.4 24.6
179 15.1 13.1 19.7

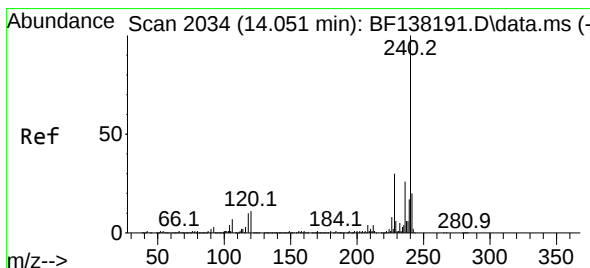
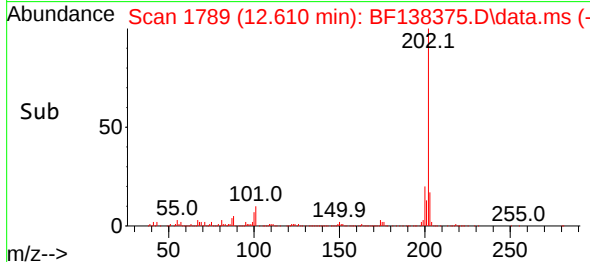
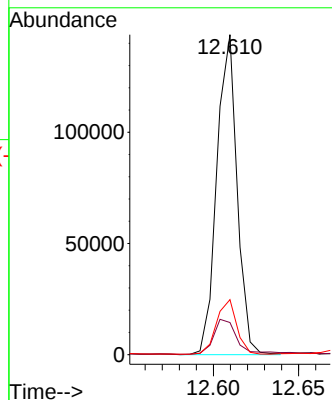
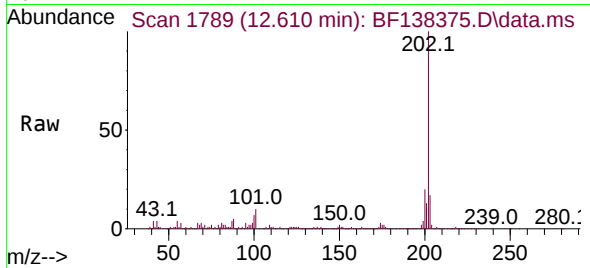




#75
Fluoranthene
Concen: 4.657 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

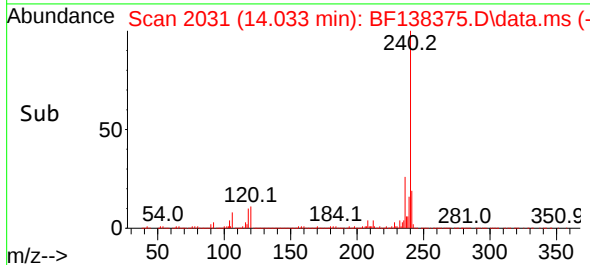
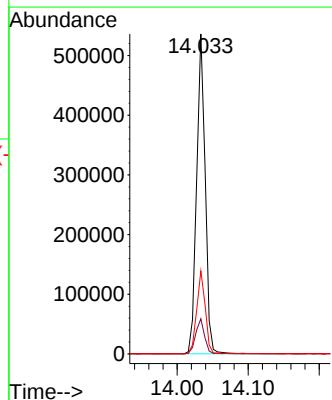
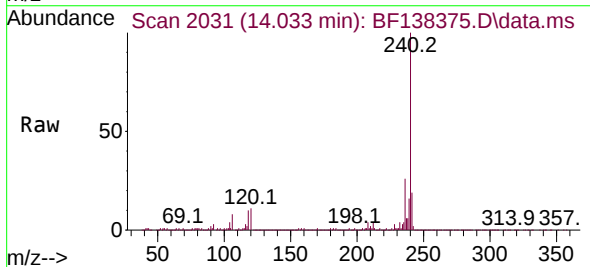
Instrument :
BNA_F
ClientSampleId :
1A

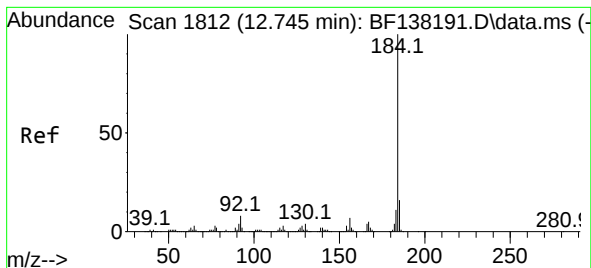
Tgt Ion:202 Resp: 119589
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 17.2 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.018 min
Lab File: BF138375.D
Acq: 27 Jun 2024 19:39

Tgt Ion:240 Resp: 452688
Ion Ratio Lower Upper
240 100
120 11.0 9.2 13.8
236 26.0 21.0 31.6





#77

Benzidine

Concen: 2.583 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.235 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

1A

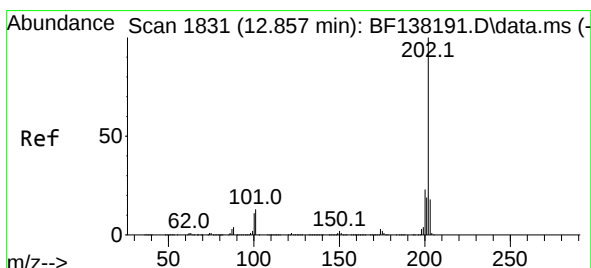
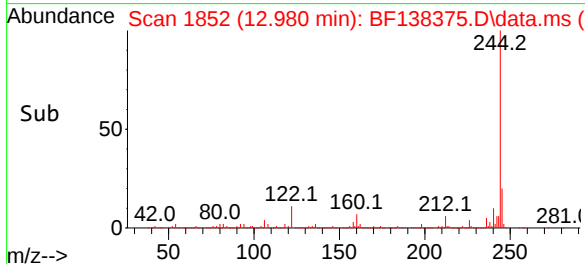
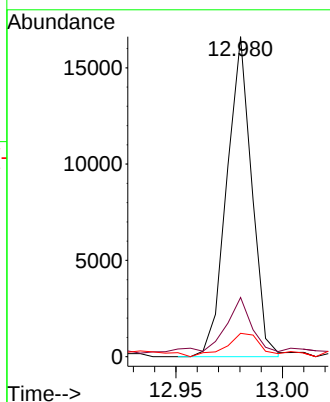
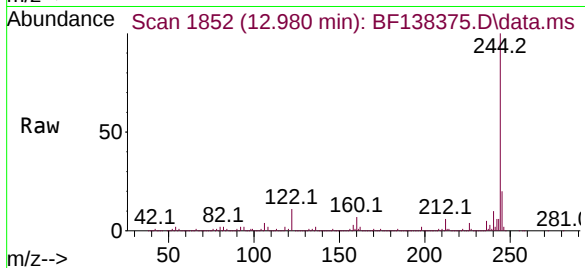
Tgt Ion:184 Resp: 13525

Ion Ratio Lower Upper

184 100

185 18.5 12.6 19.0

183 7.3 9.0 13.6#



#78

Pyrene

Concen: 2.704 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.018 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

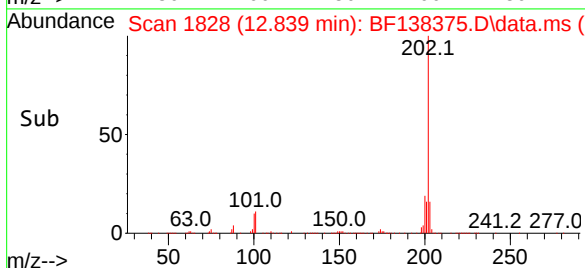
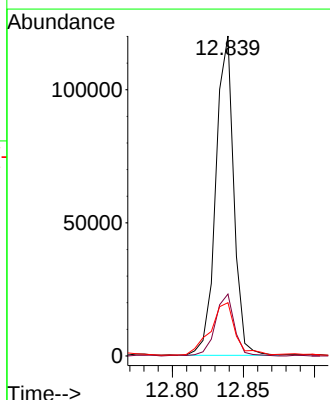
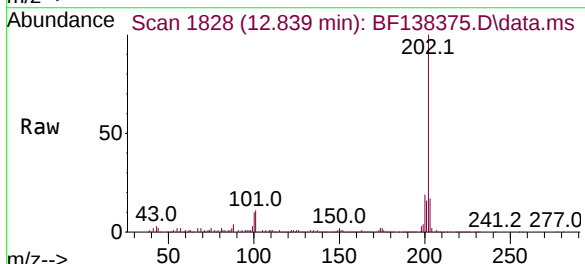
Tgt Ion:202 Resp: 105566

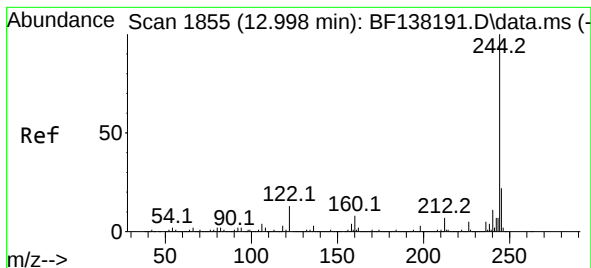
Ion Ratio Lower Upper

202 100

200 19.4 18.0 27.0

203 16.6 14.7 22.1





#79

Terphenyl-d14

Concen: 37.542 ng

RT: 12.980 min Scan# 1852

Delta R.T. -0.018 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

1A

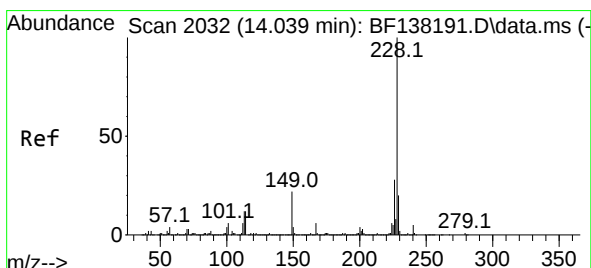
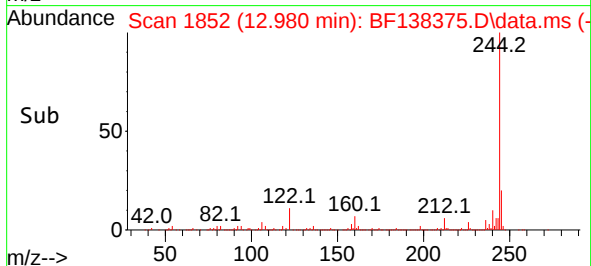
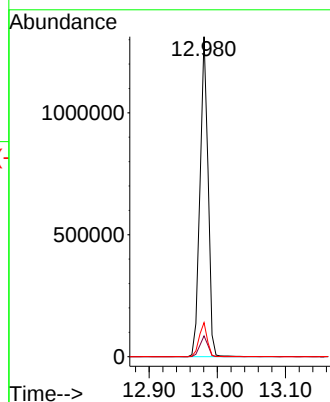
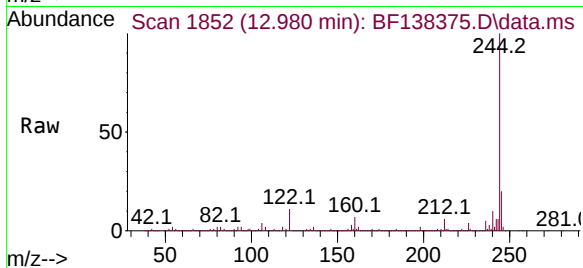
Tgt Ion:244 Resp: 1073009

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

122 10.7 10.6 15.8



#81

Benzo(a)anthracene

Concen: 2.015 ng

RT: 14.021 min Scan# 2029

Delta R.T. -0.018 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

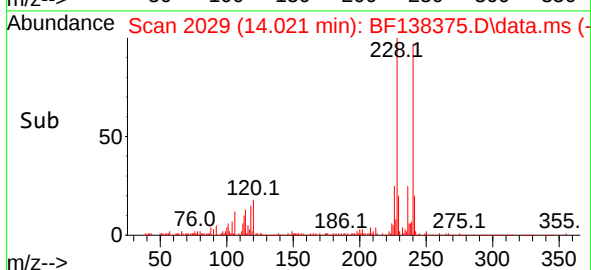
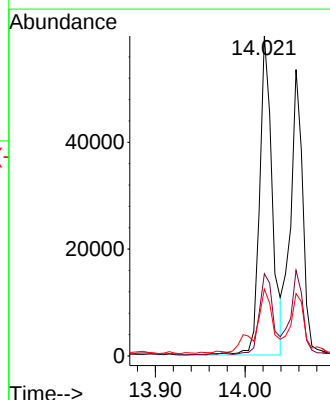
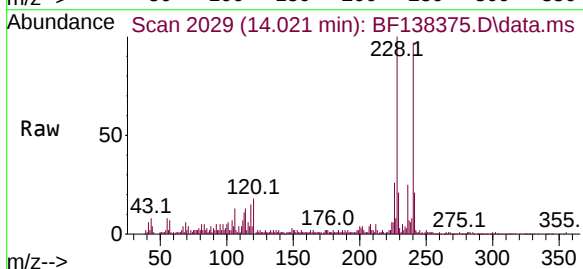
Tgt Ion:228 Resp: 58506

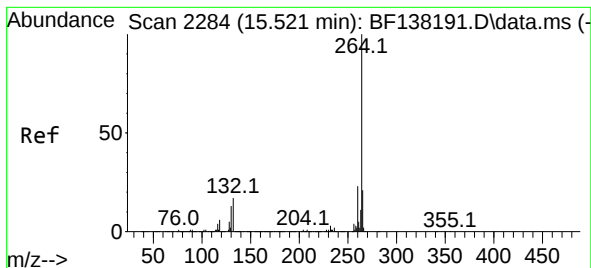
Ion Ratio Lower Upper

228 100

226 25.7 22.5 33.7

229 20.9 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: BF138375.D

Acq: 27 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

1A

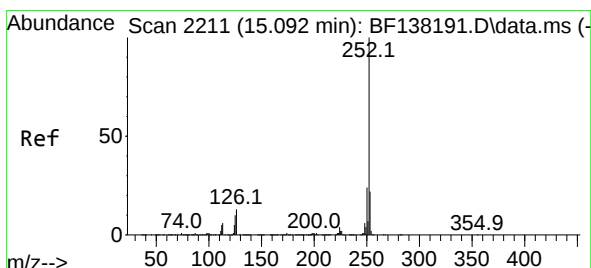
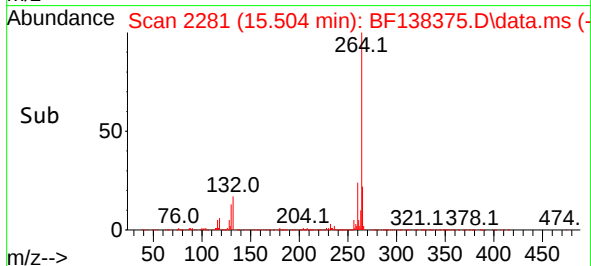
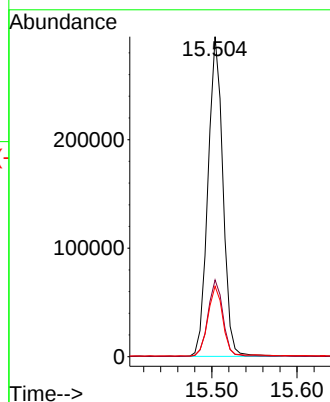
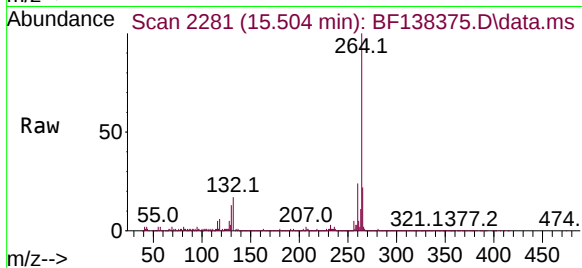
Tgt Ion:264 Resp: 358955

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.0 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 3.509 ng

RT: 15.074 min Scan# 2208

Delta R.T. -0.018 min

Lab File: BF138375.D

Acq: 27 Jun 2024 19:39

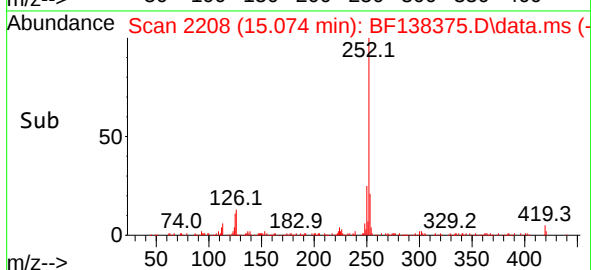
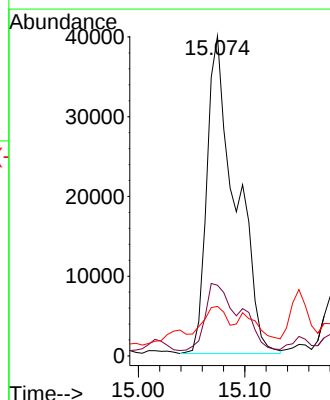
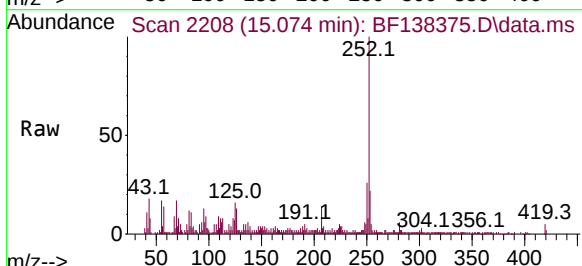
Tgt Ion:252 Resp: 74289

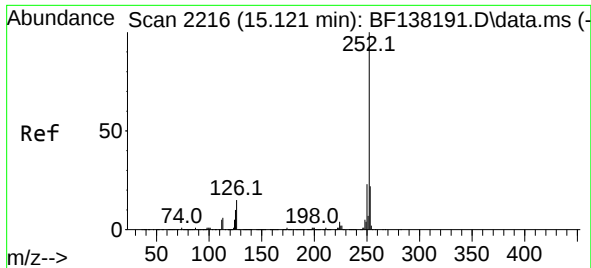
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 15.5 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 3.581 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF138375.D

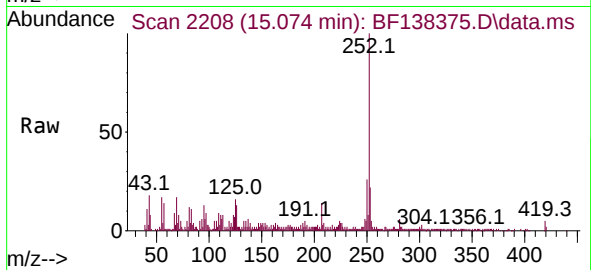
Acq: 27 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

1A



Tgt Ion:252 Resp: 74289

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 15.5 8.0 12.0#

