

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070124\
 Data File : BF138411.D
 Acq On : 01 Jul 2024 19:05
 Operator : CG\JU
 Sample : P3077-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-B-1

Quant Time: Jul 02 01:15:42 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

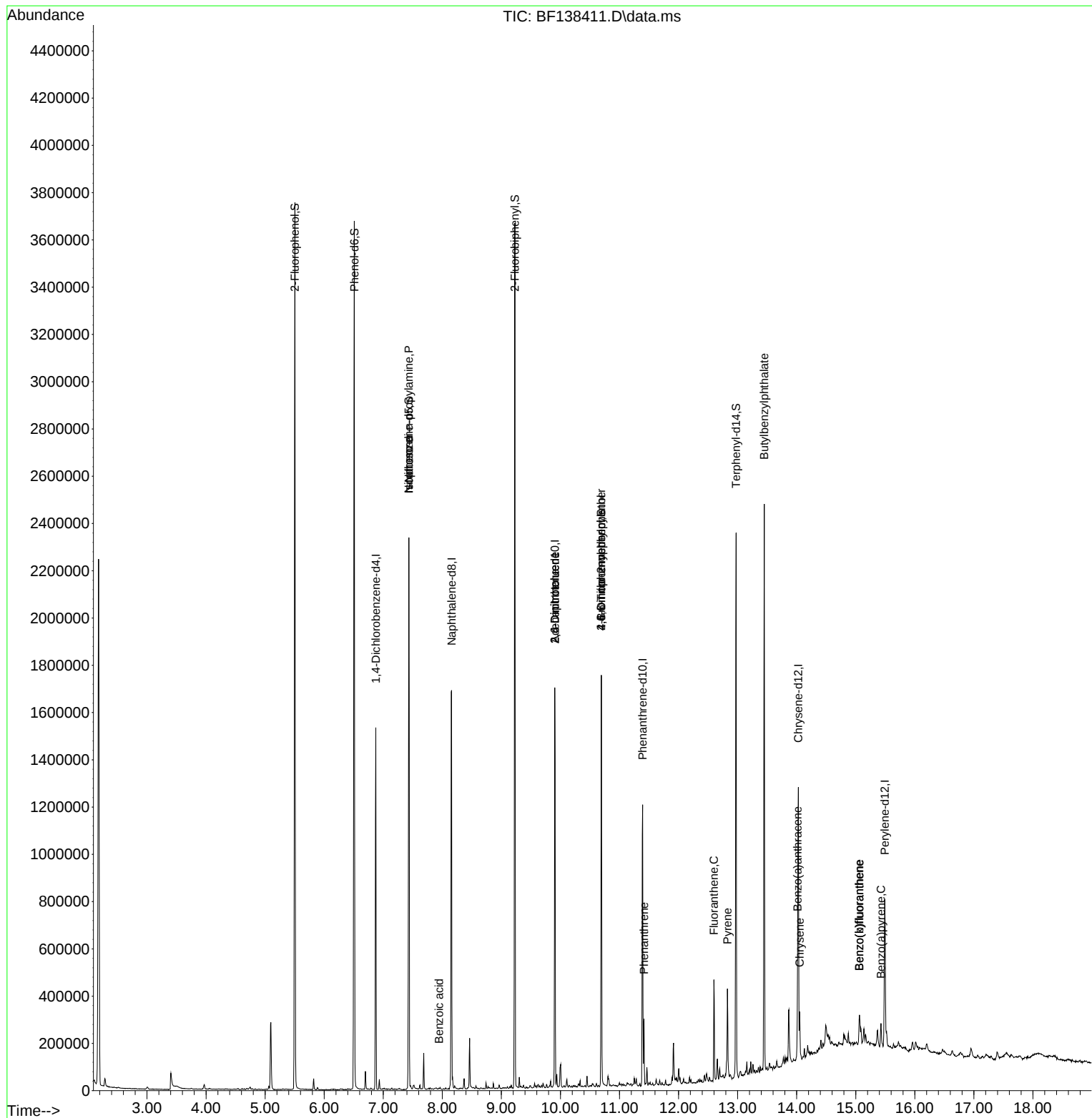
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	192793	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	724916	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	328206	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	419588	20.000	ng	0.00
76) Chrysene-d12	14.027	240	352765	20.000	ng	0.00
86) Perylene-d12	15.492	264	281800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	872881	75.065	ng	0.00
7) Phenol-d6	6.510	99	1130678	72.181	ng	0.00
23) Nitrobenzene-d5	7.434	82	702213	50.321	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	161005	60.043	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	955661	46.340	ng	0.00
79) Terphenyl-d14	12.974	244	736029	28.593	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	92710	9.388	ng	# 76
25) Isophorone	7.434	82	698215	27.135	ng	# 67
32) Benzoic acid	7.945	122	142	4.117	ng	# 1
51) 2,6-Dinitrotoluene	9.904	165	43400	9.187	ng	# 20
57) 2,4-Dinitrotoluene	9.904	165	43401	7.461	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	470	5.984	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	10979	2.434	ng	# 1
71) Phenanthrene	11.416	178	98798	4.823	ng	97
75) Fluoranthene	12.598	202	153973	8.384	ng	97
78) Pyrene	12.827	202	143924	3.817	ng	100
80) Butylbenzylphthalate	13.451	149	458969	40.005	ng	98
81) Benzo(a)anthracene	14.015	228	77034	3.393	ng	98
83) Chrysene	14.051	228	67014	3.033	ng	98
88) Benzo(b)fluoranthene	15.062	252	90673	5.864	ng	# 91
89) Benzo(k)fluoranthene	15.062	252	90673	6.367	ng	# 92
90) Benzo(a)pyrene	15.427	252	45642	3.368	ng	# 95

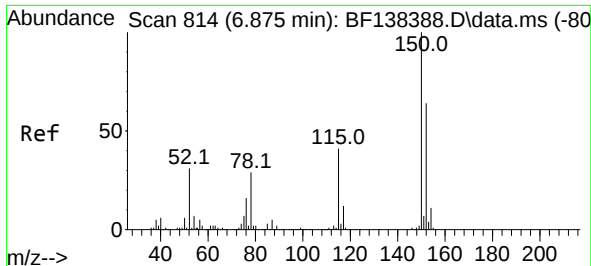
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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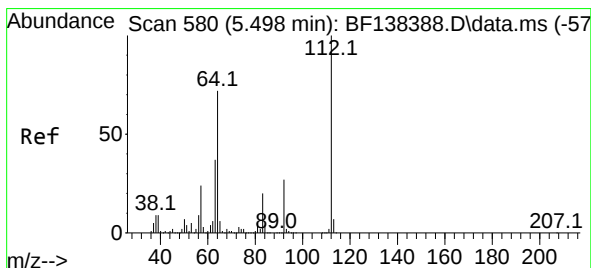
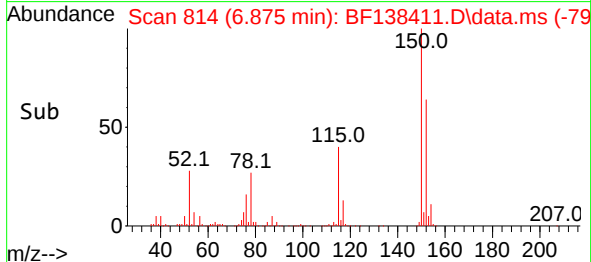
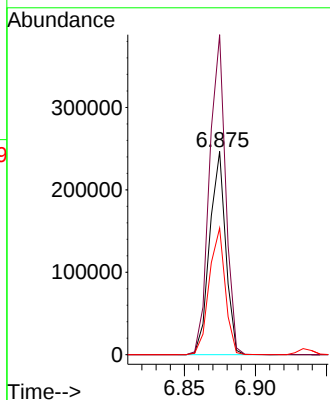
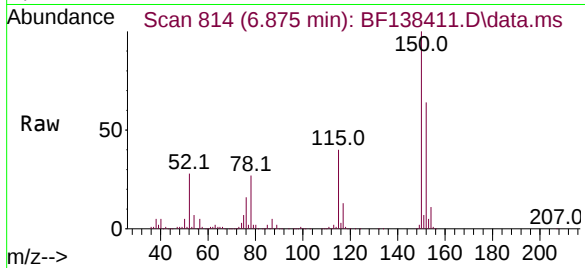




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

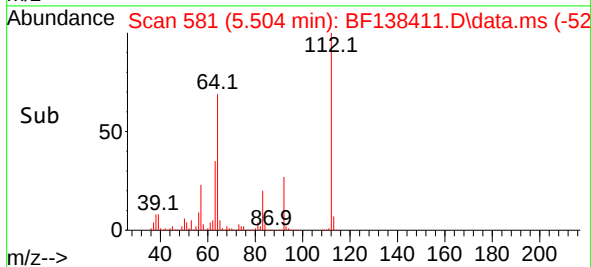
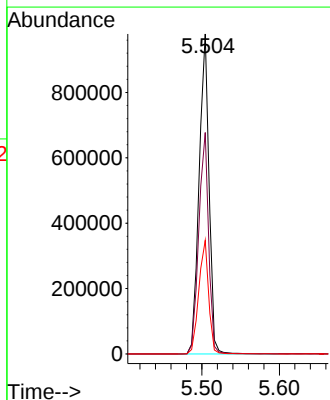
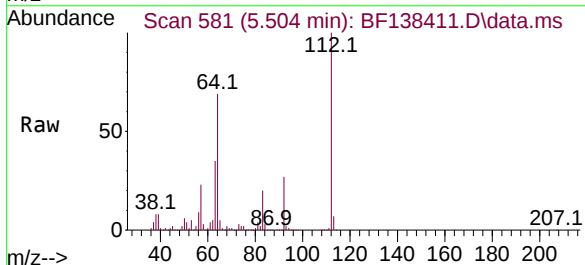
Instrument :
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ClientSampleId :
1-B-1

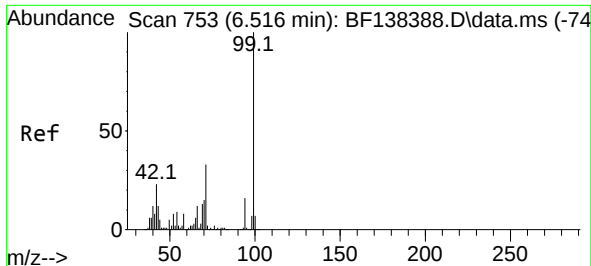
Tgt Ion:152 Resp: 192793
Ion Ratio Lower Upper
152 100
150 157.5 124.9 187.3
115 62.3 50.8 76.2



#5
2-Fluorophenol
Concen: 75.065 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

Tgt Ion:112 Resp: 872881
Ion Ratio Lower Upper
112 100
64 69.2 57.2 85.8
63 35.5 29.4 44.0

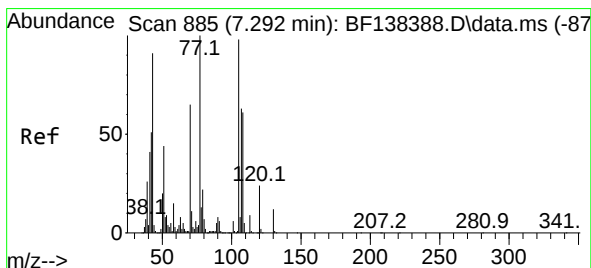
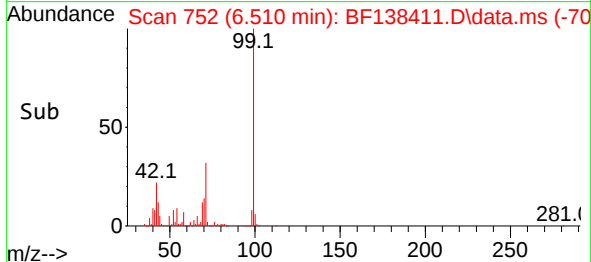
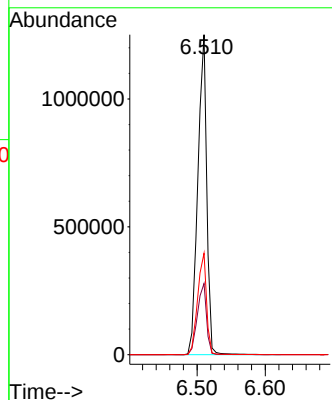
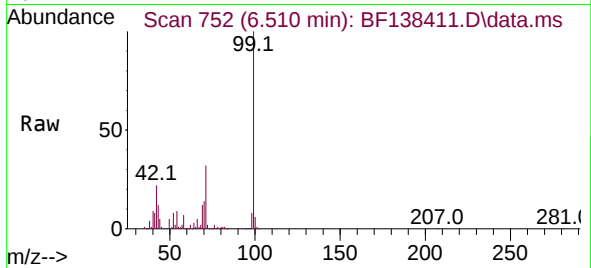




#7
Phenol-d6
Concen: 72.181 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

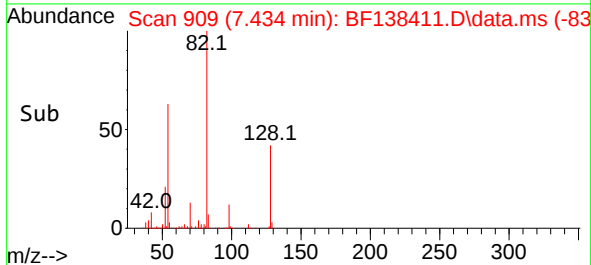
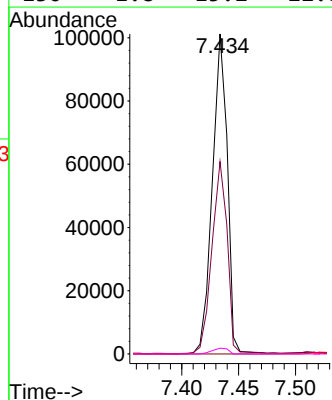
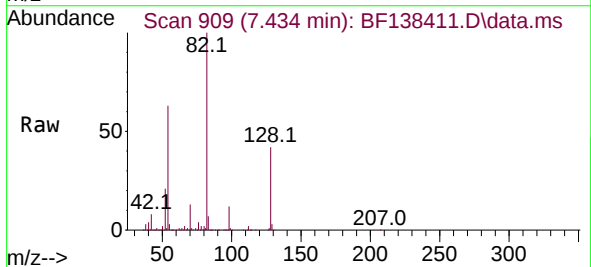
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ClientSampleId :
1-B-1

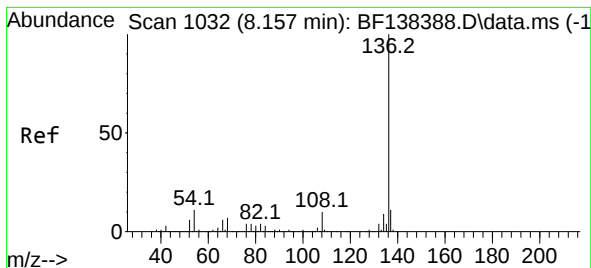
Tgt Ion: 99 Resp: 1130678
Ion Ratio Lower Upper
99 100
42 22.3 18.5 27.7
71 31.7 26.1 39.1



#19
n-Nitroso-di-n-propylamine
Concen: 9.388 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

Tgt Ion: 70 Resp: 92710
Ion Ratio Lower Upper
70 100
42 60.1 62.5 93.7#
101 0.0 7.0 10.4#
130 1.8 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138411.D

Acq: 01 Jul 2024 19:05

Instrument :

BNA_F

ClientSampleId :

1-B-1

Tgt Ion:136 Resp: 724916

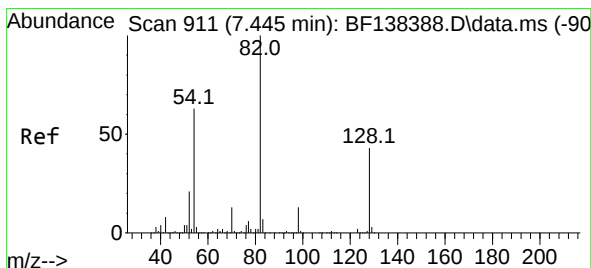
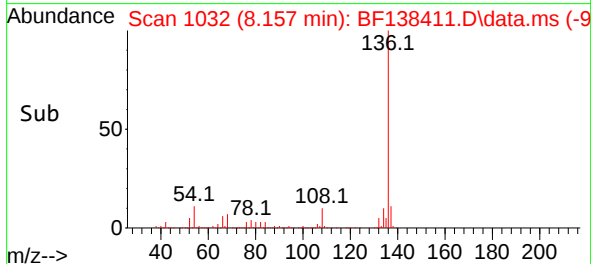
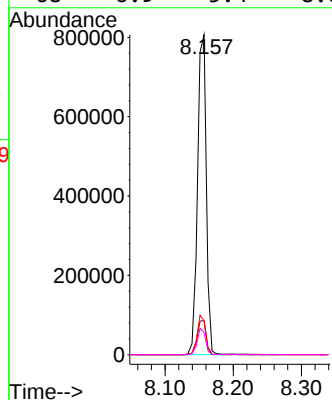
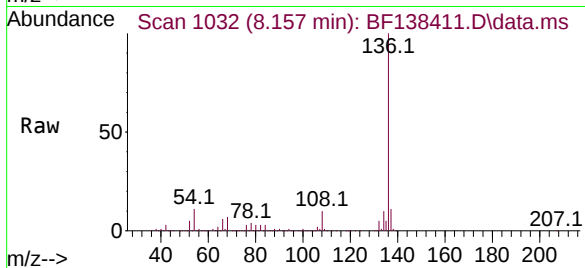
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 10.5 9.0 13.4

68 6.9 5.4 8.0



#23

Nitrobenzene-d5

Concen: 50.321 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138411.D

Acq: 01 Jul 2024 19:05

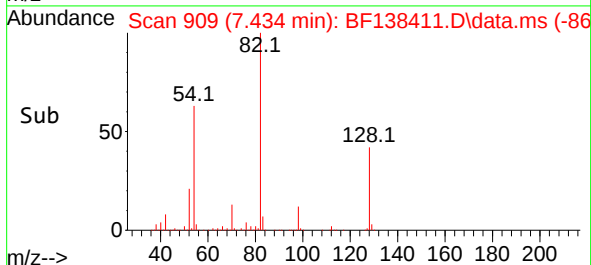
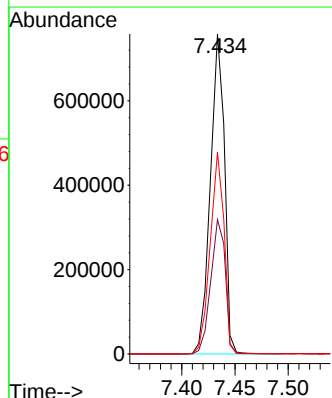
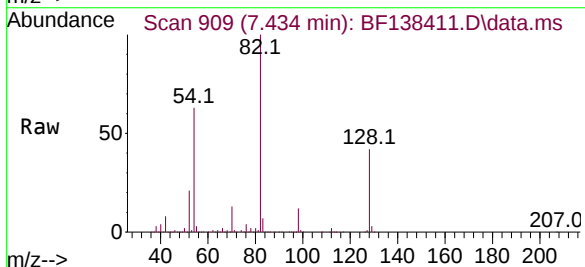
Tgt Ion: 82 Resp: 702213

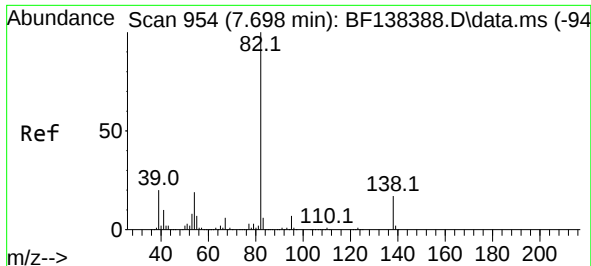
Ion Ratio Lower Upper

82 100

128 42.0 34.6 52.0

54 63.1 50.5 75.7

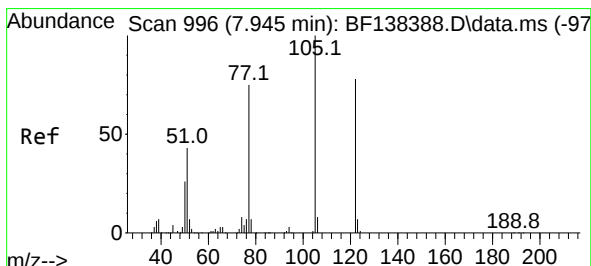
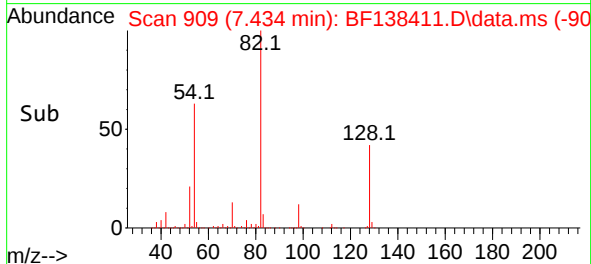
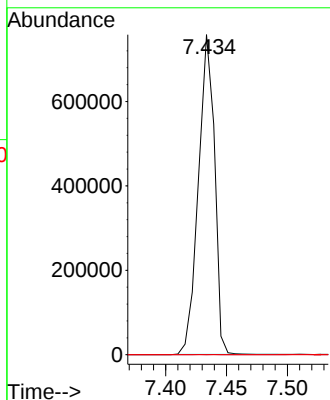
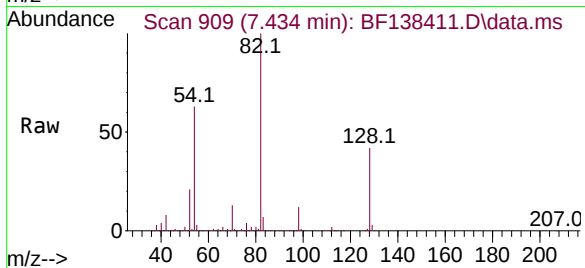




#25
Isophorone
Concen: 27.135 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.265 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

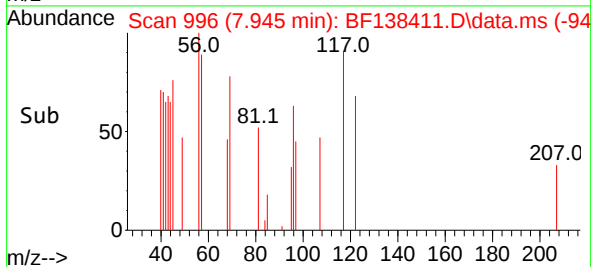
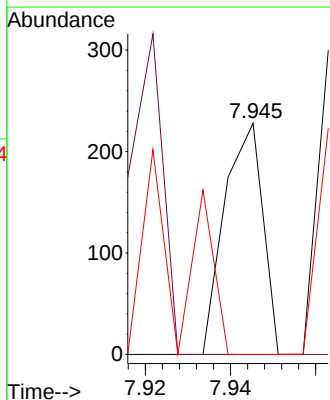
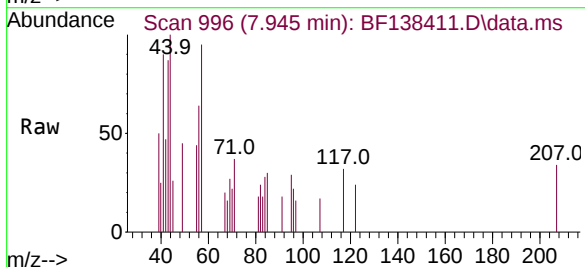
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BNA_F
ClientSampleId :
1-B-1

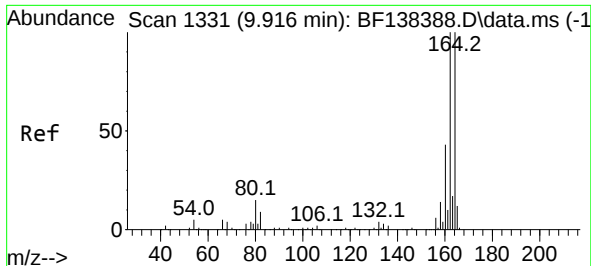
Tgt Ion: 82 Resp: 698215
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.117 ng
RT: 7.945 min Scan# 996
Delta R.T. 0.000 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

Tgt Ion:122 Resp: 142
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 0.0 74.3 114.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138411.D

Acq: 01 Jul 2024 19:05

Instrument :

BNA_F

ClientSampleId :

1-B-1

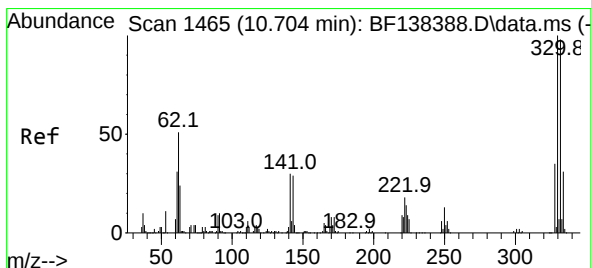
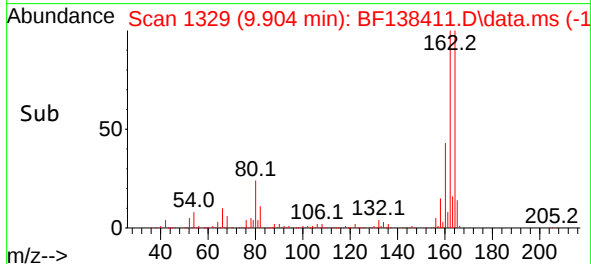
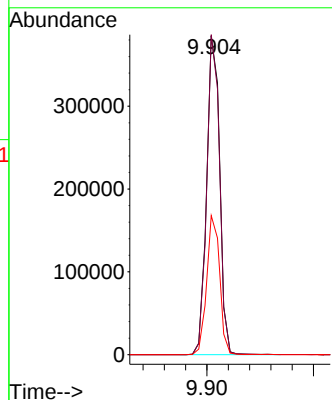
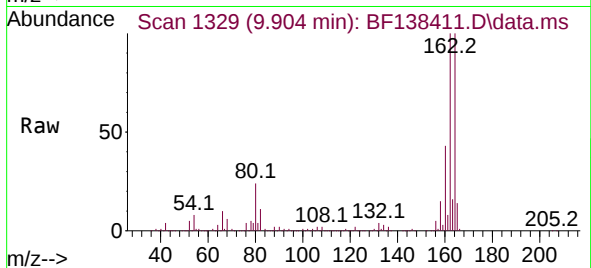
Tgt Ion:164 Resp: 328206

Ion Ratio Lower Upper

164 100

162 100.4 80.1 120.1

160 43.6 34.1 51.1



#42

2,4,6-Tribromophenol

Concen: 60.043 ng

RT: 10.692 min Scan# 1463

Delta R.T. -0.012 min

Lab File: BF138411.D

Acq: 01 Jul 2024 19:05

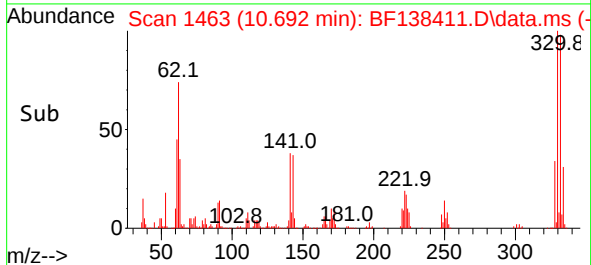
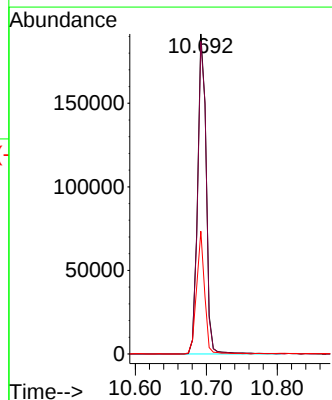
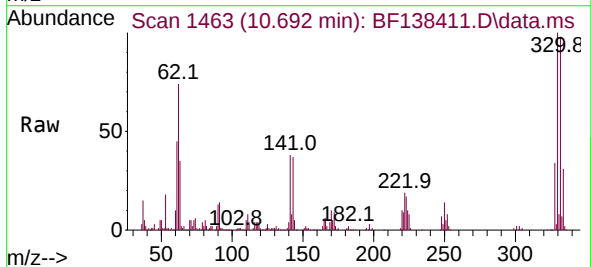
Tgt Ion:330 Resp: 161005

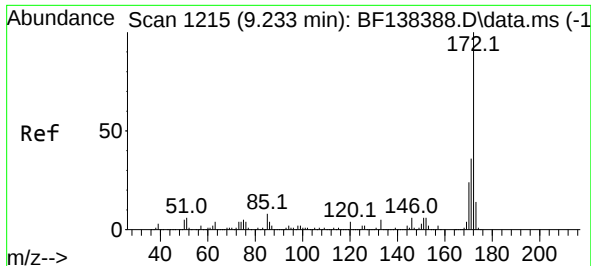
Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

141 36.1 28.1 42.1

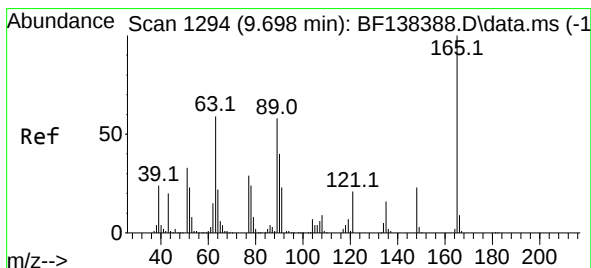
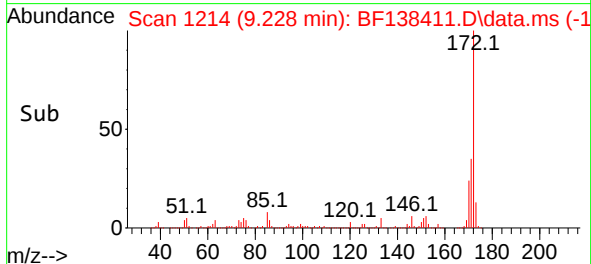
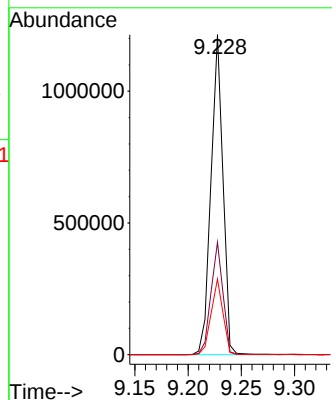
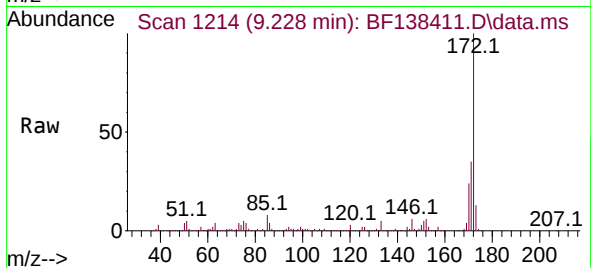




#45
2-Fluorobiphenyl
Concen: 46.340 ng
RT: 9.228 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

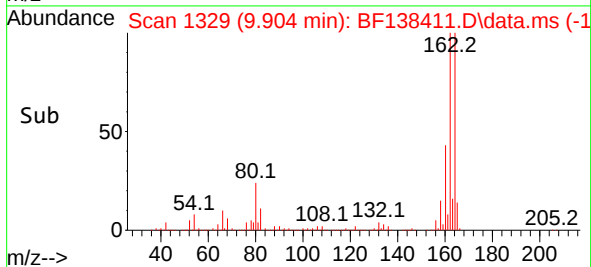
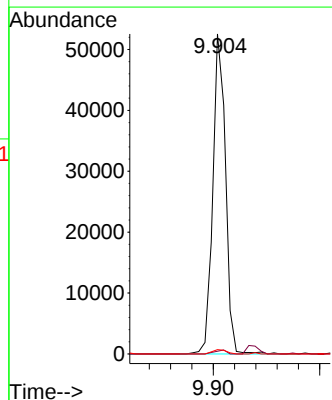
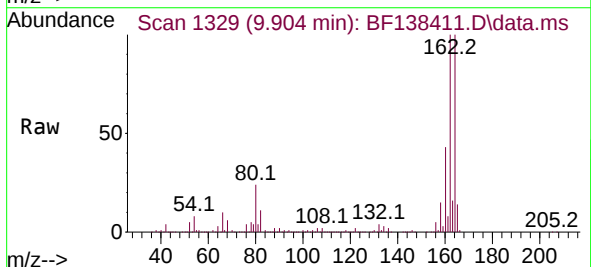
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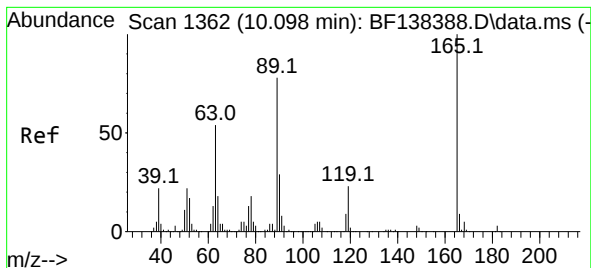
Tgt Ion:172 Resp: 955661
Ion Ratio Lower Upper
172 100
171 35.1 29.0 43.4
170 23.7 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.187 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

Tgt Ion:165 Resp: 43400
Ion Ratio Lower Upper
165 100
63 0.9 53.8 80.8#
89 1.3 46.4 69.6#

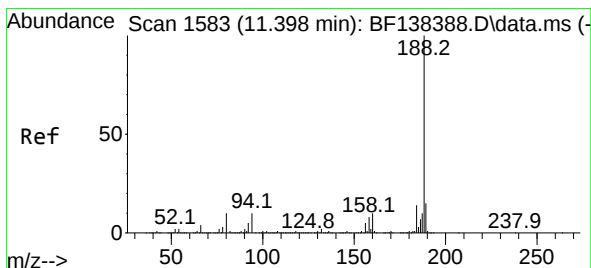
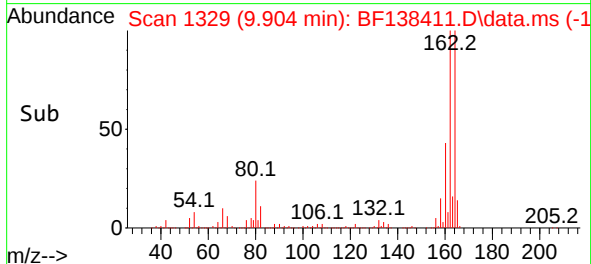
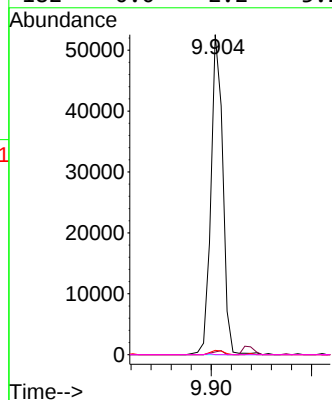
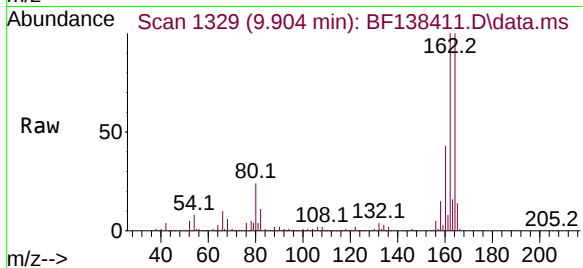




#57
2,4-Dinitrotoluene
Concen: 7.461 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

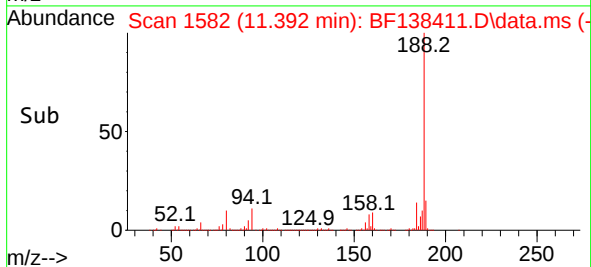
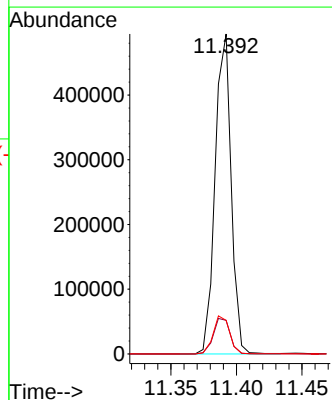
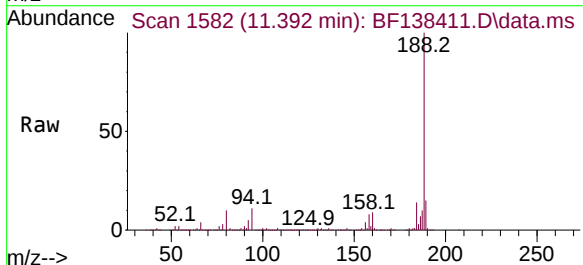
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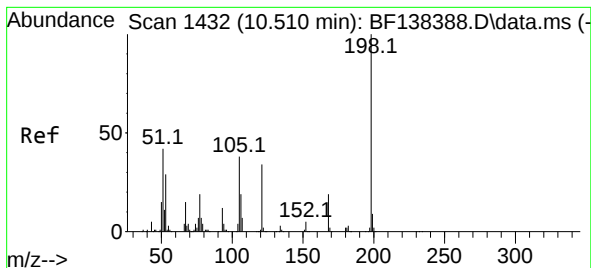
Tgt Ion:165 Resp: 43401
Ion Ratio Lower Upper
165 100
63 0.9 43.4 65.2#
89 1.3 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

Tgt Ion:188 Resp: 419588
Ion Ratio Lower Upper
188 100
94 10.5 8.0 12.0
80 10.5 8.2 12.4

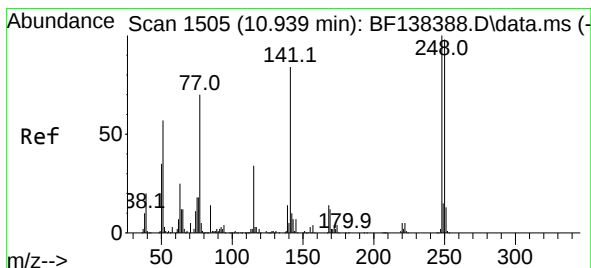
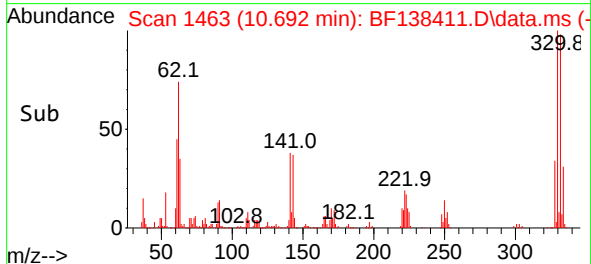
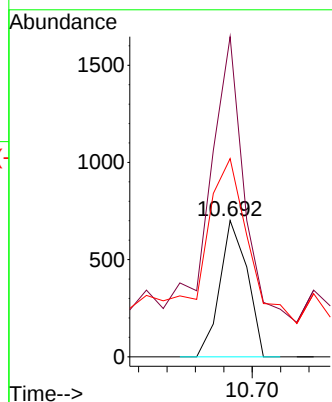
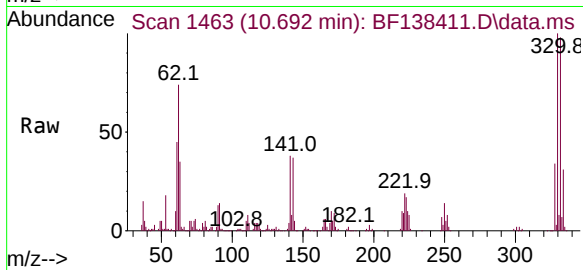




#65
4,6-Dinitro-2-methylphenol
Concen: 5.984 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

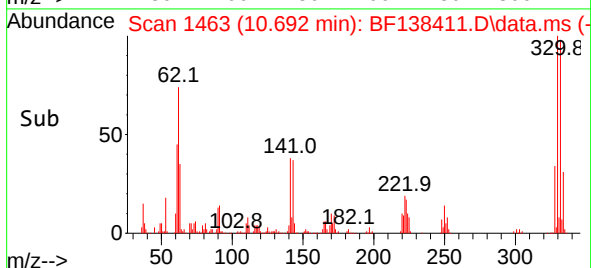
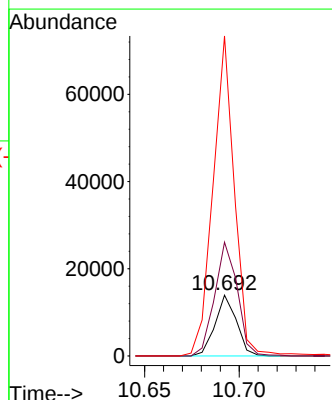
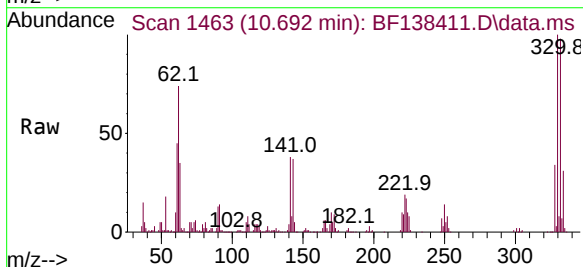
Instrument :
BNA_F
ClientSampleId :
1-B-1

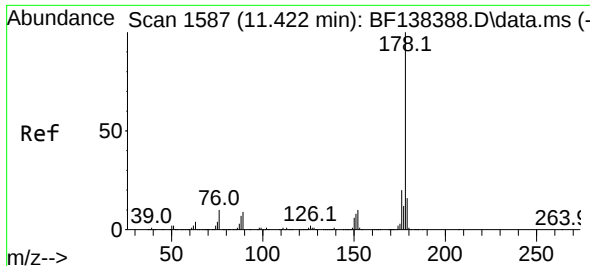
Tgt Ion:198 Resp: 470
Ion Ratio Lower Upper
198 100
51 235.0 27.9 67.9#
105 145.5 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 2.434 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

Tgt Ion:248 Resp: 10979
Ion Ratio Lower Upper
248 100
250 187.0 78.2 117.4#
141 525.8 67.6 101.4#

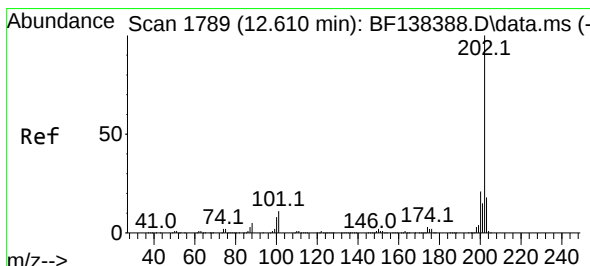
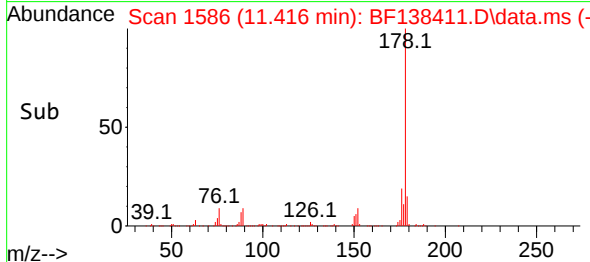
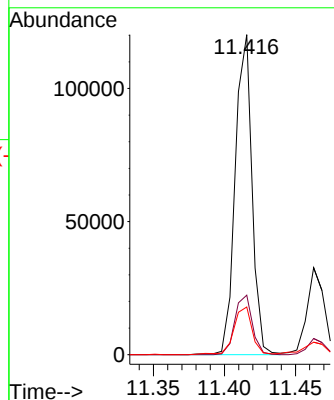
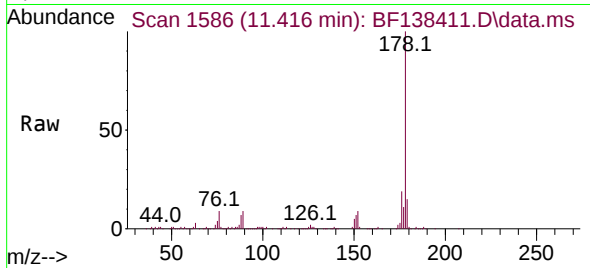




#71
Phenanthrene
Concen: 4.823 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

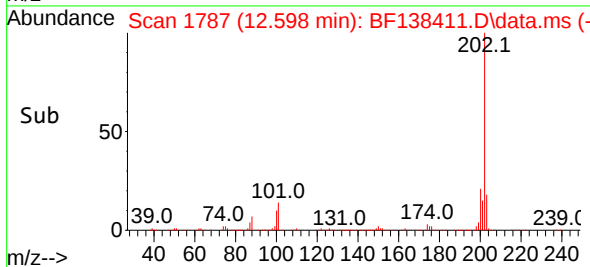
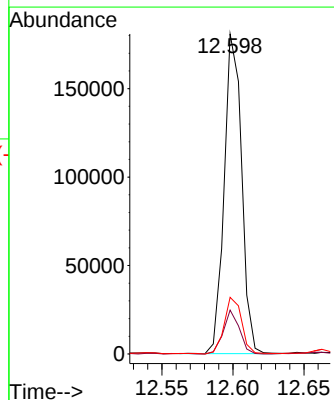
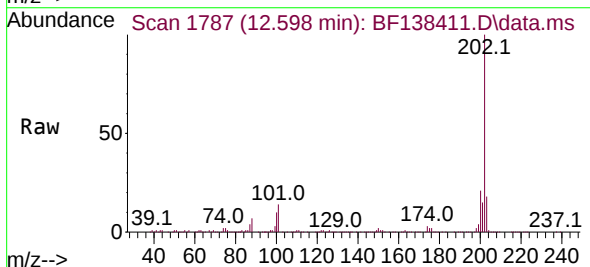
Instrument :
BNA_F
ClientSampleId :
1-B-1

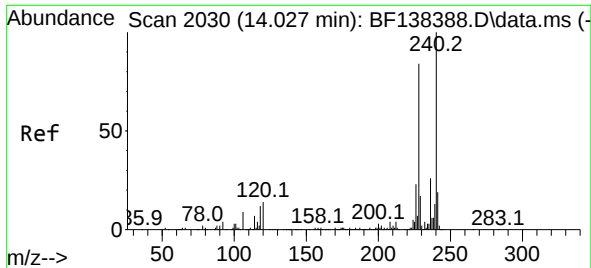
Tgt Ion:178 Resp: 98798
Ion Ratio Lower Upper
178 100
176 18.6 16.1 24.1
179 14.9 12.6 18.8



#75
Fluoranthene
Concen: 8.384 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.012 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

Tgt Ion:202 Resp: 153973
Ion Ratio Lower Upper
202 100
101 13.7 0.0 30.5
203 17.7 0.0 37.6

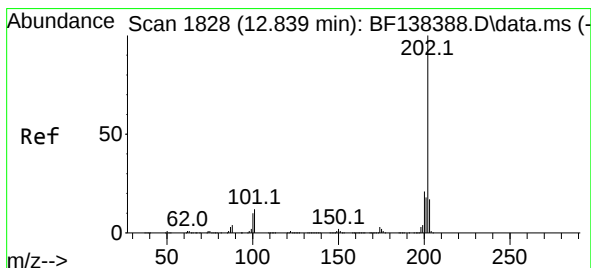
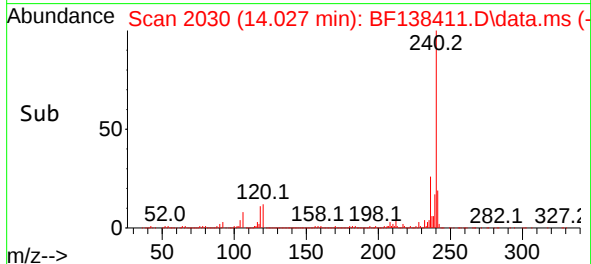
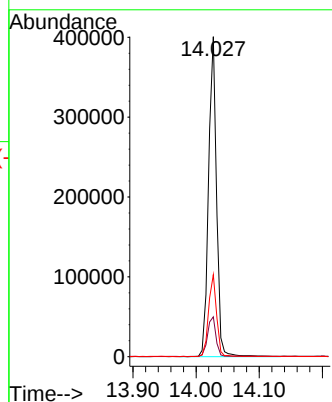
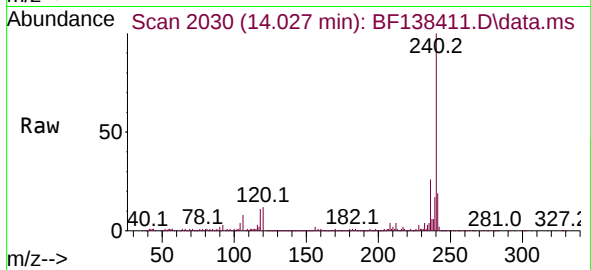




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

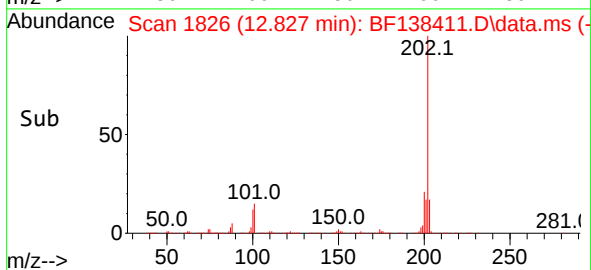
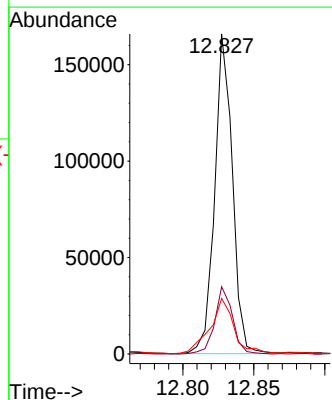
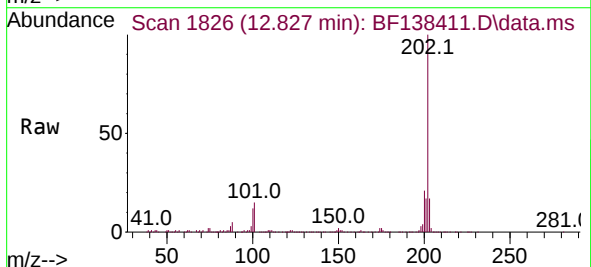
Instrument :
BNA_F
ClientSampleId :
1-B-1

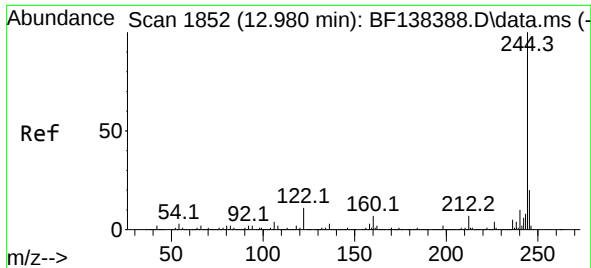
Tgt Ion:240 Resp: 352765
Ion Ratio Lower Upper
240 100
120 12.5 10.9 16.3
236 25.6 20.6 30.8



#78
Pyrene
Concen: 3.817 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF138411.D
Acq: 01 Jul 2024 19:05

Tgt Ion:202 Resp: 143924
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.4 13.8 20.8

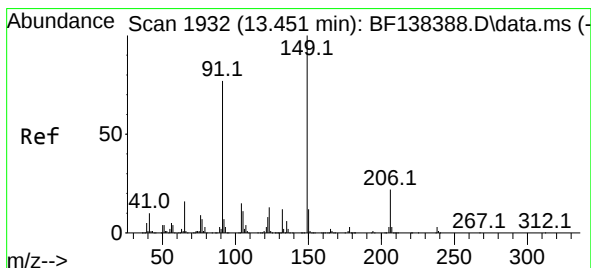
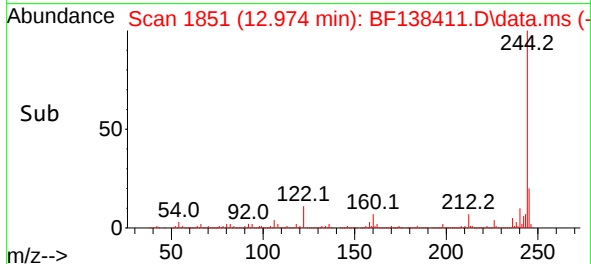
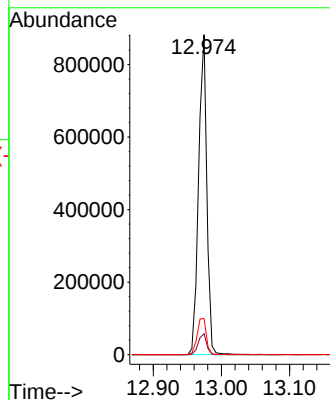
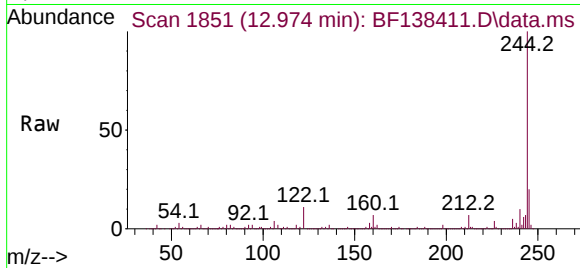




#79
 Terphenyl-d14
 Concen: 28.593 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF138411.D
 Acq: 01 Jul 2024 19:05

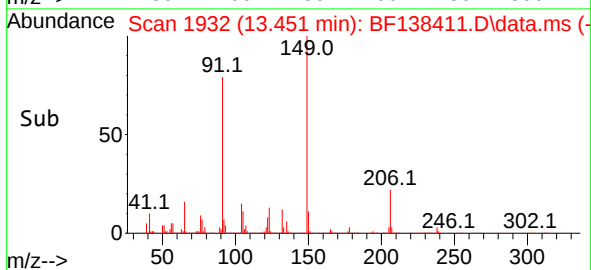
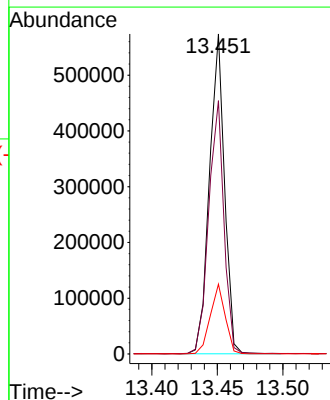
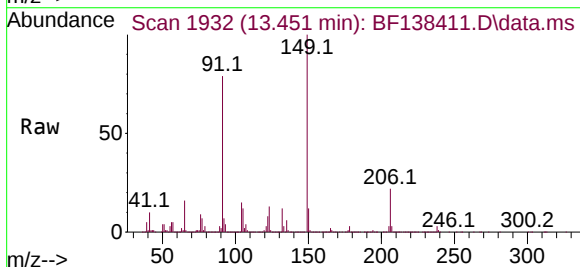
Instrument :
 BNA_F
 ClientSampleId :
 1-B-1

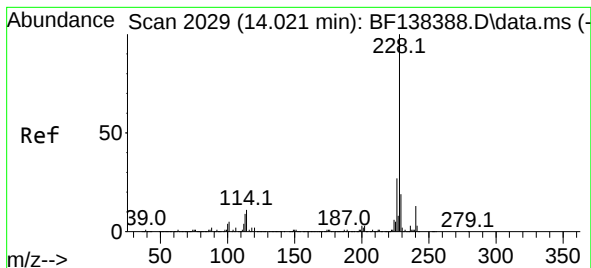
Tgt Ion:244 Resp: 736029
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 11.3 9.0 13.4



#80
 Butylbenzylphthalate
 Concen: 40.005 ng
 RT: 13.451 min Scan# 1932
 Delta R.T. 0.000 min
 Lab File: BF138411.D
 Acq: 01 Jul 2024 19:05

Tgt Ion:149 Resp: 458969
 Ion Ratio Lower Upper
 149 100
 91 79.1 62.0 93.0
 206 21.8 17.6 26.4





#81

Benzo(a)anthracene

Concen: 3.393 ng

RT: 14.015 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138411.D

Acq: 01 Jul 2024 19:05

Instrument :

BNA_F

ClientSampleId :

1-B-1

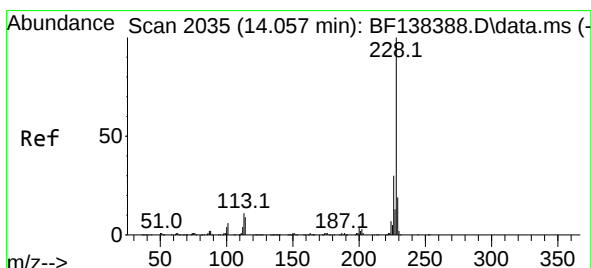
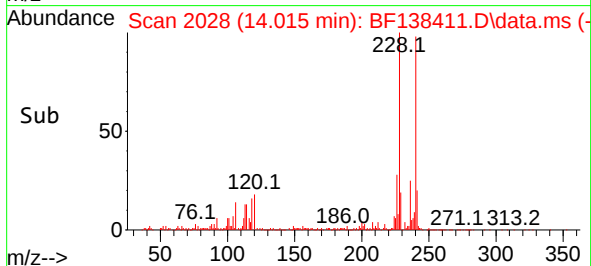
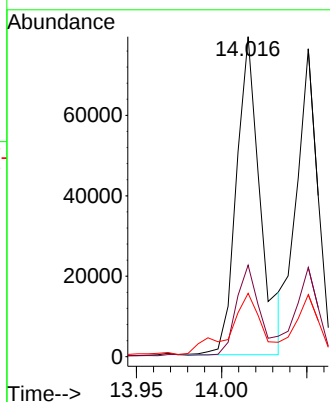
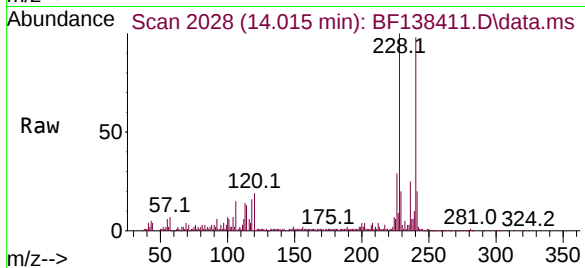
Tgt Ion:228 Resp: 77034

Ion Ratio Lower Upper

228 100

226 28.6 21.7 32.5

229 19.8 15.5 23.3



#83

Chrysene

Concen: 3.033 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138411.D

Acq: 01 Jul 2024 19:05

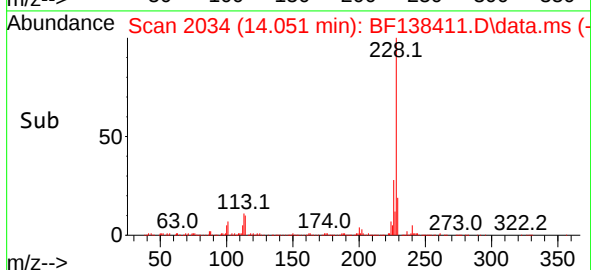
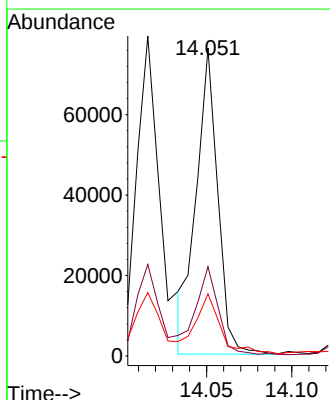
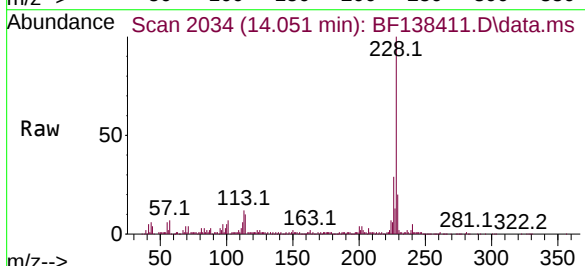
Tgt Ion:228 Resp: 67014

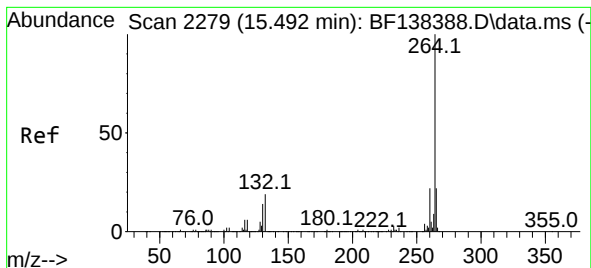
Ion Ratio Lower Upper

228 100

226 29.0 23.8 35.6

229 20.2 15.2 22.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138411.D

Acq: 01 Jul 2024 19:05

Instrument :

BNA_F

ClientSampleId :

1-B-1

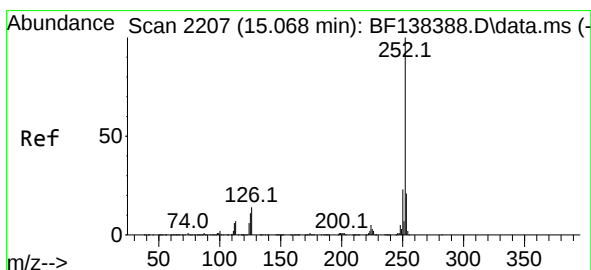
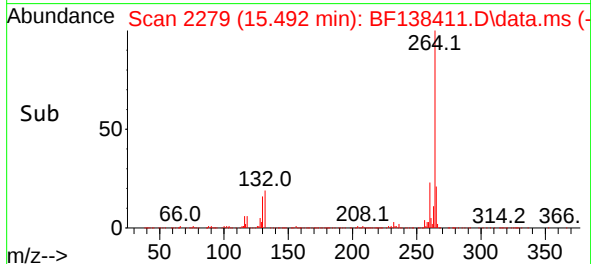
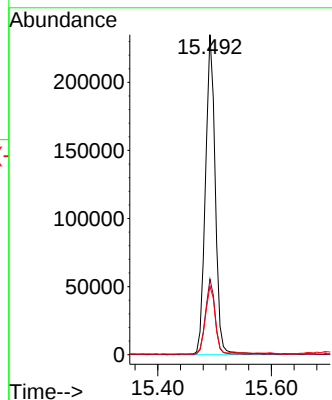
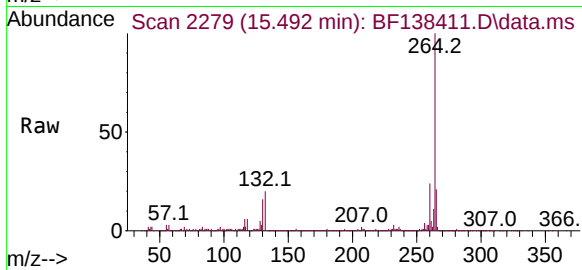
Tgt Ion:264 Resp: 281800

Ion Ratio Lower Upper

264 100

260 23.6 17.8 26.6

265 21.4 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 5.864 ng

RT: 15.062 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF138411.D

Acq: 01 Jul 2024 19:05

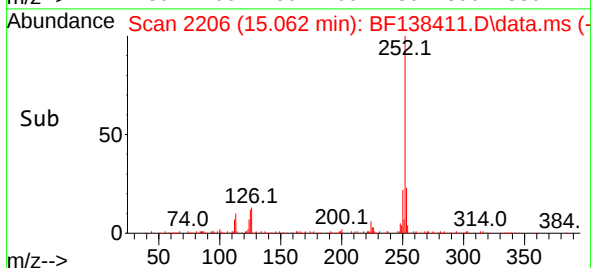
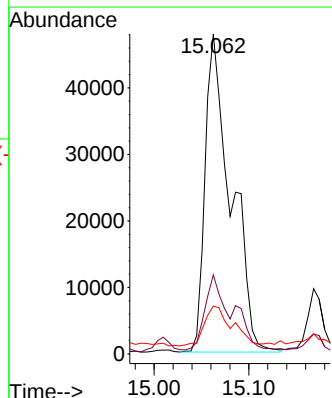
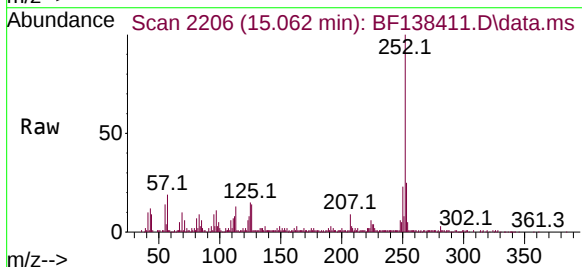
Tgt Ion:252 Resp: 90673

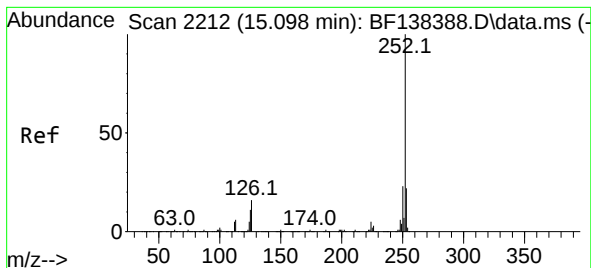
Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.4

125 15.0 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 6.367 ng

RT: 15.062 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138411.D

Acq: 01 Jul 2024 19:05

Instrument :

BNA_F

ClientSampleId :

1-B-1

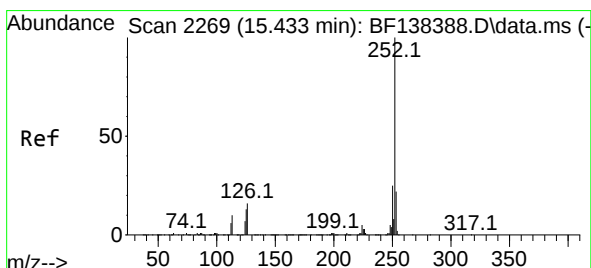
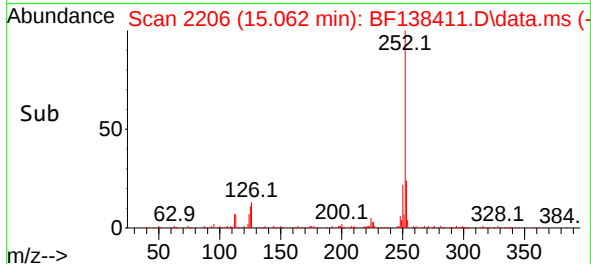
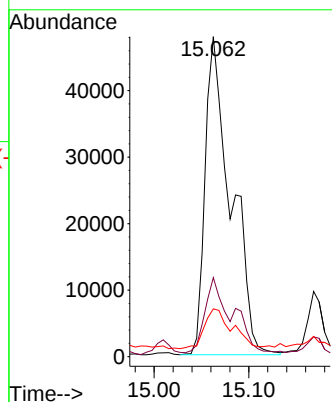
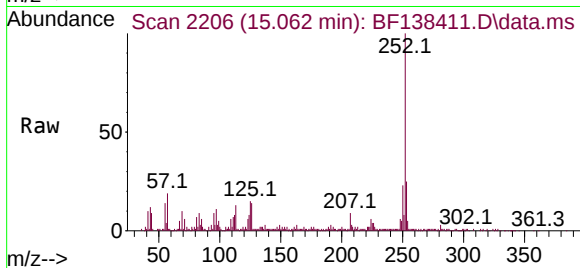
Tgt Ion:252 Resp: 90673

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

125 15.0 8.7 13.1#



#90

Benzo(a)pyrene

Concen: 3.368 ng

RT: 15.427 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF138411.D

Acq: 01 Jul 2024 19:05

Tgt Ion:252 Resp: 45642

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 16.7 10.2 15.2#

