

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061523\
 Data File : BF133801.D
 Acq On : 16 Jun 2023 05:15
 Operator : CG\JU
 Sample : 03260-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Jun 16 05:47:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 15:12:57 2023
 Response via : Initial Calibration

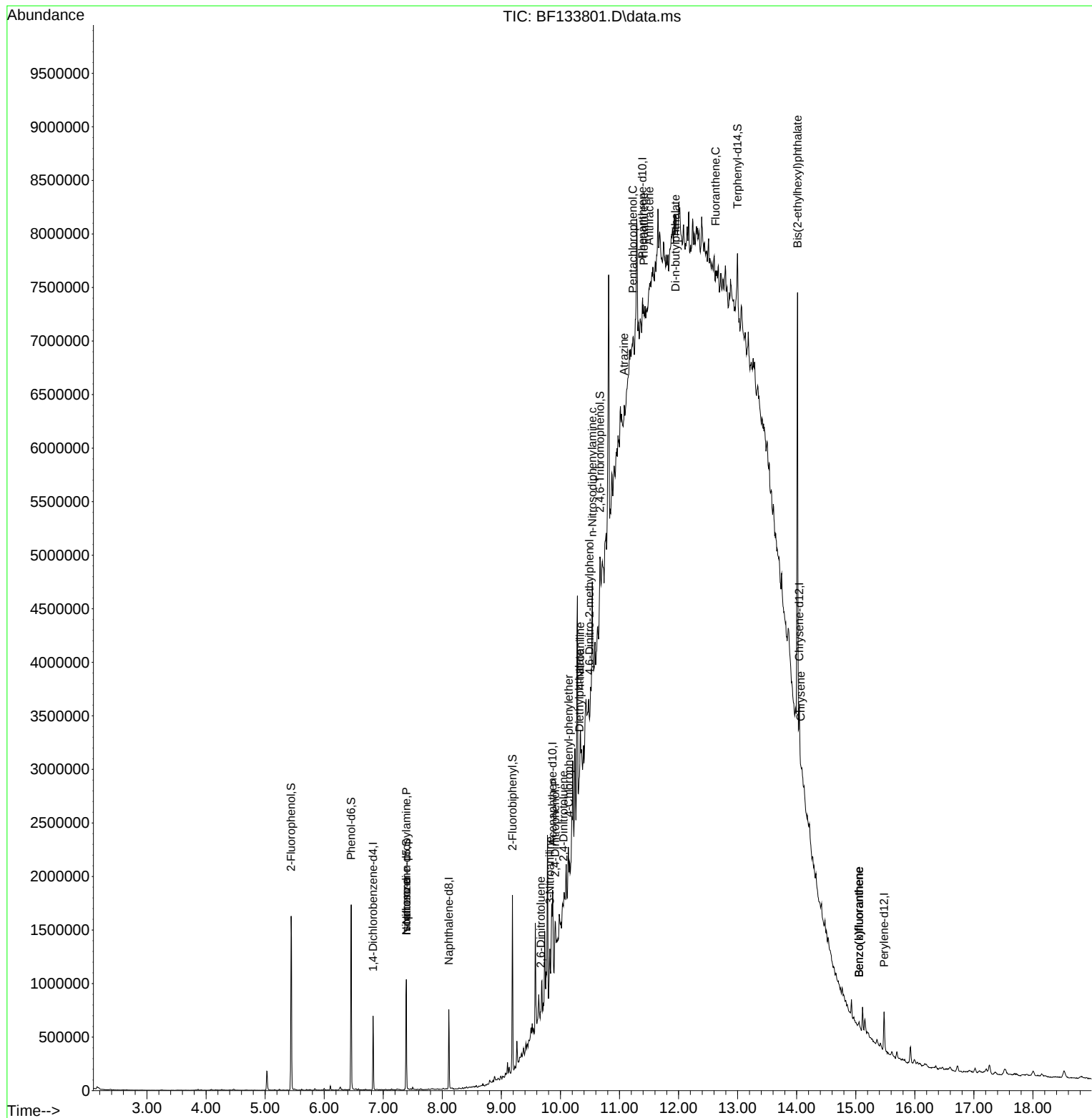
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	91585	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	297026	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	111083	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	141610	20.000	ng	# 0.03
76) Chrysene-d12	14.045	240	163188	20.000	ng	# 0.04
86) Perylene-d12	15.480	264	158755	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	426831	81.134	ng	0.00
7) Phenol-d6	6.457	99	471497	68.854	ng	0.00
23) Nitrobenzene-d5	7.392	82	290370	53.246	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	97180	69.113	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	436001	55.795	ng	0.00
79) Terphenyl-d14	12.998	244	412423	39.106	ng	0.05
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.392	70	40666	9.334	ng	# 80
25) Isophorone	7.392	82	290366	29.003	ng	# 65
51) 2,6-Dinitrotoluene	9.669	165	4935	2.884	ng	# 34
53) 3-Nitroaniline	9.822	138	10013	4.808	ng	# 24
54) 2,4-Dinitrophenol	9.910	184	62	5.785	ng	# 1
57) 2,4-Dinitrotoluene	10.051	165	5780	2.656	ng	# 41
60) Diethylphthalate	10.322	149	28473	3.374	ng	# 1
61) 4-Chlorophenyl-phenyle...	10.139	204	7916	2.099	ng	89
62) 4-Nitroaniline	10.333	138	32797	16.061	ng	81
65) 4,6-Dinitro-2-methylph...	10.492	198	1605	2.372	ng	# 1
66) n-Nitrosodiphenylamine	10.539	169	26719	5.617	ng	# 56
69) Atrazine	11.074	200	5646	4.091	ng	# 1
70) Pentachlorophenol	11.227	266	5203	5.228	ng	# 42
71) Phenanthrene	11.410	178	24012	3.342	ng	# 1
72) Anthracene	11.504	178	24020	3.206	ng	# 1
74) Di-n-butylphthalate	11.951	149	42025	4.698	ng	# 30
75) Fluoranthene	12.627	202	23341	3.059	ng	# 1
83) Chrysene	14.068	228	23776	2.227	ng	# 58
84) Bis(2-ethylhexyl)phtha...	14.015	149	1576446	199.502	ng	# 96
88) Benzo(b)fluoranthene	15.057	252	27834	2.886	ng	# 75
89) Benzo(k)fluoranthene	15.057	252	27834	2.963	ng	# 75

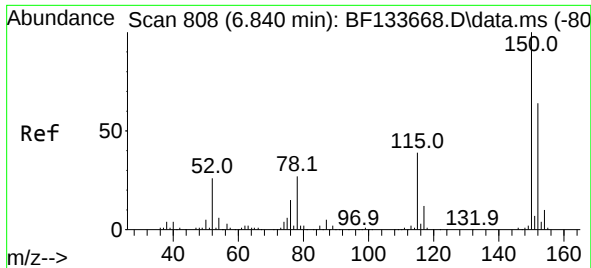
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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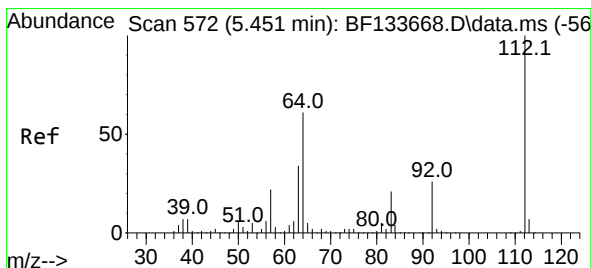
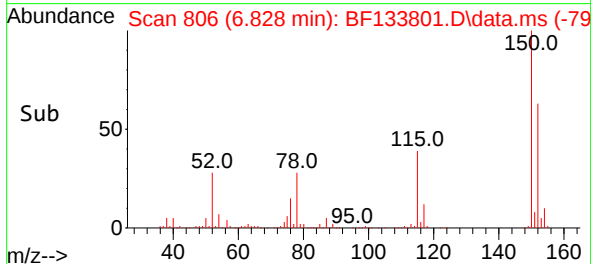
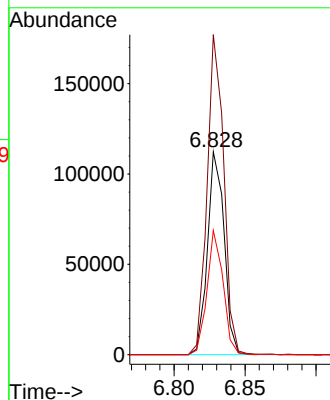
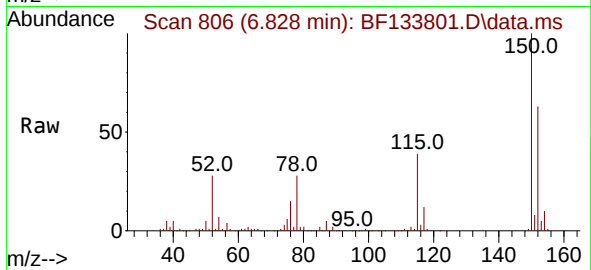




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

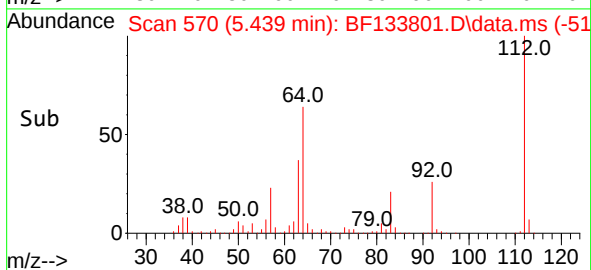
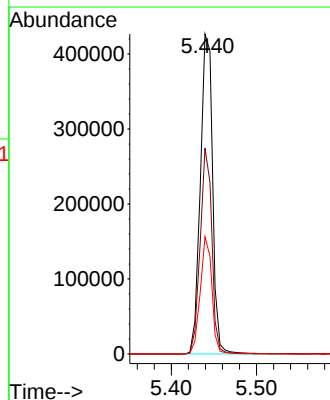
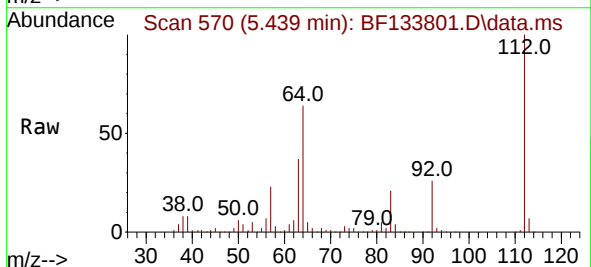
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BNA_F
ClientSampleId :
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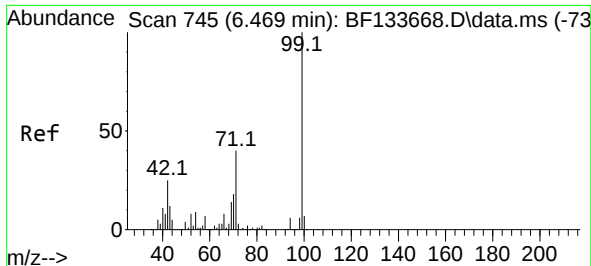
Tgt Ion:152 Resp: 91585
Ion Ratio Lower Upper
152 100
150 157.7 124.3 186.5
115 61.2 48.5 72.7



#5
2-Fluorophenol
Concen: 81.134 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion:112 Resp: 426831
Ion Ratio Lower Upper
112 100
64 64.3 49.0 73.4
63 36.6 26.8 40.2

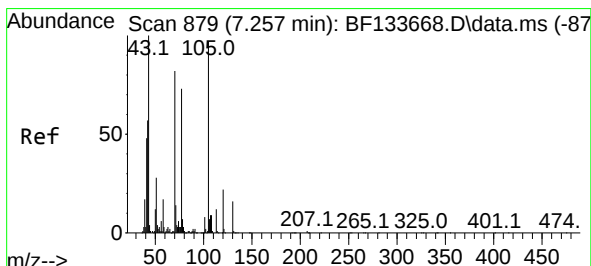
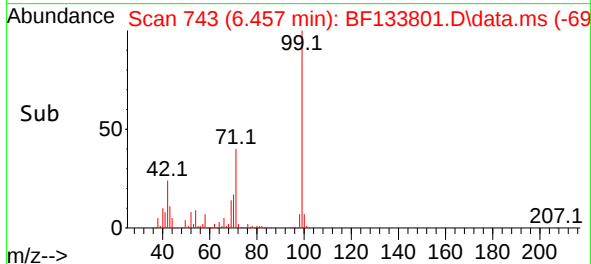
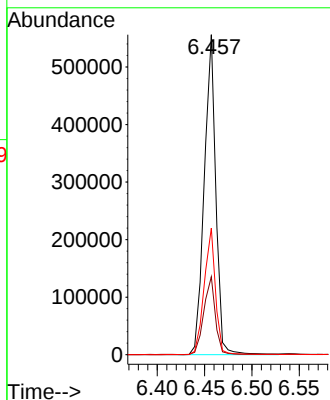
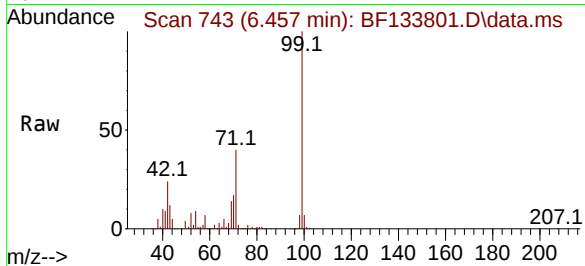




#7
Phenol-d6
Concen: 68.854 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

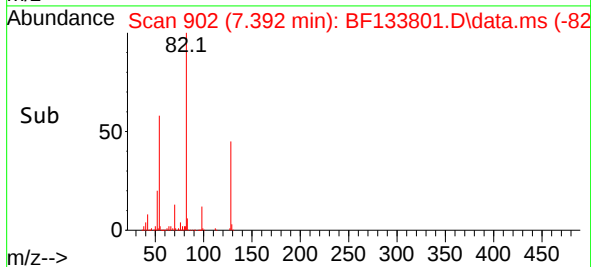
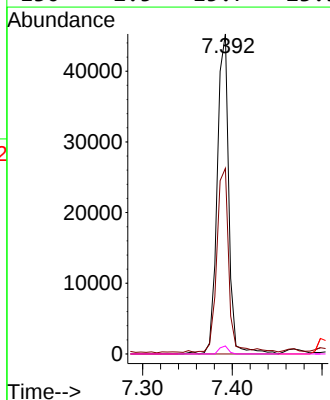
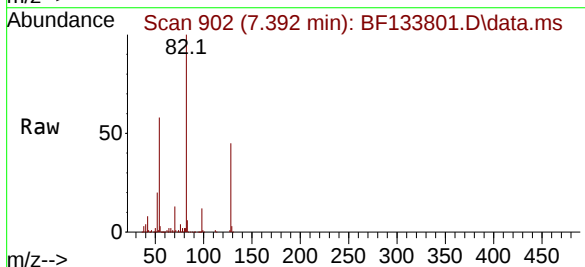
Instrument :
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ClientSampleId :
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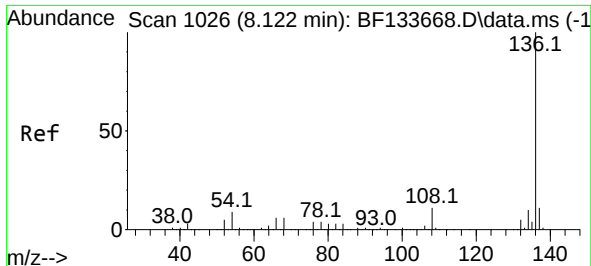
Tgt Ion: 99 Resp: 471497
Ion Ratio Lower Upper
99 100
42 24.4 19.9 29.9
71 39.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.334 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.147 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion: 70 Resp: 40666
Ion Ratio Lower Upper
70 100
42 58.0 55.8 83.8
101 0.0 8.1 12.1#
130 2.5 15.7 23.5#

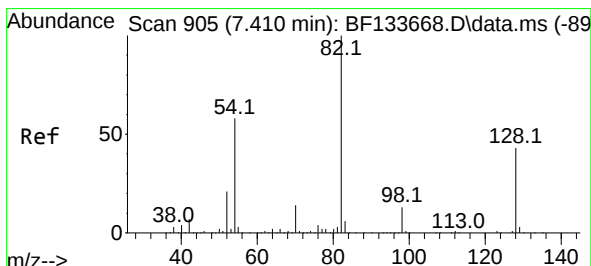
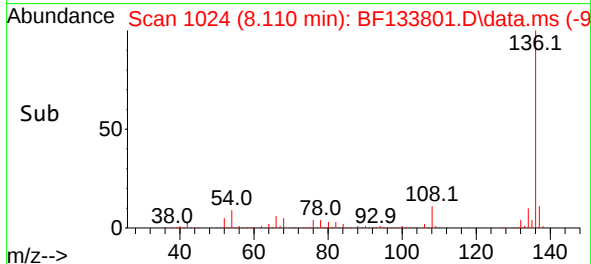
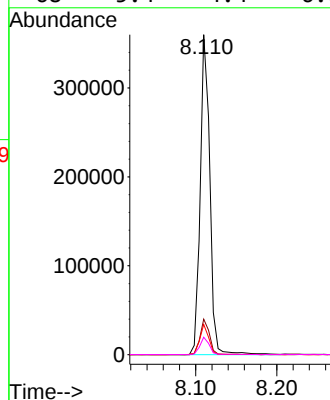
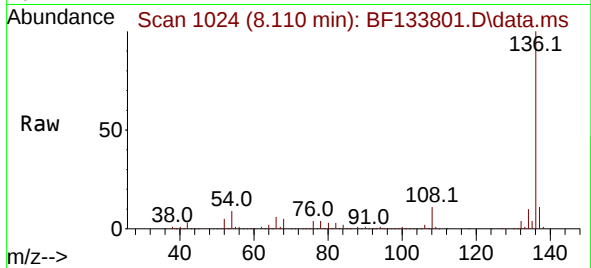




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

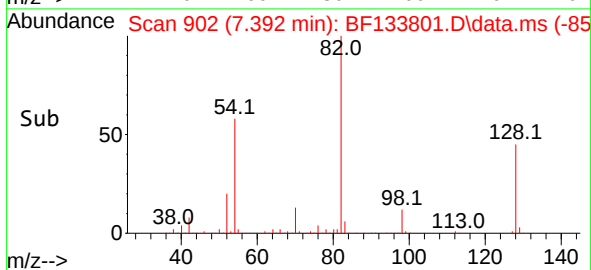
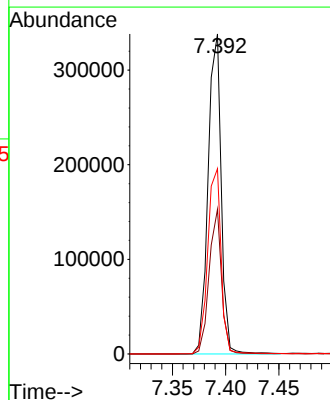
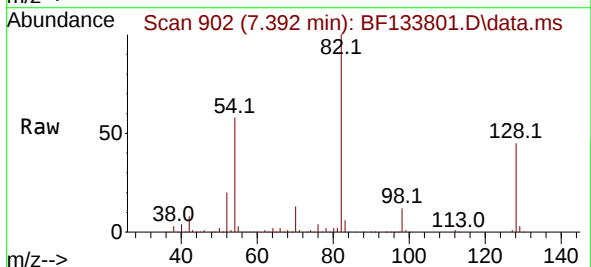
Instrument :
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ClientSampleId :
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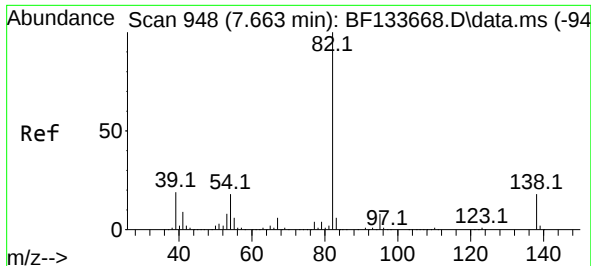
Tgt Ion:136 Resp: 297026
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.4 7.4 11.0
68 5.4 4.4 6.6



#23
Nitrobenzene-d5
Concen: 53.246 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion: 82 Resp: 290370
Ion Ratio Lower Upper
82 100
128 45.2 34.2 51.2
54 57.9 46.5 69.7

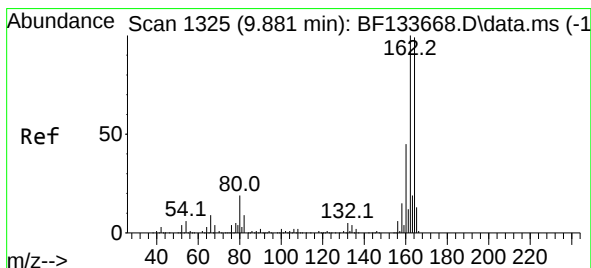
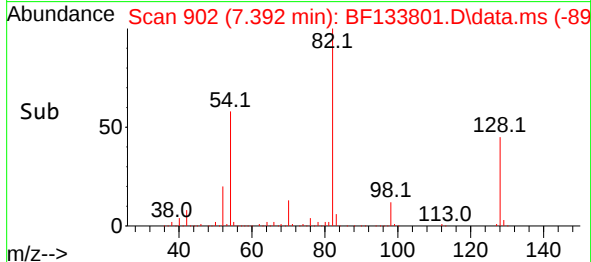
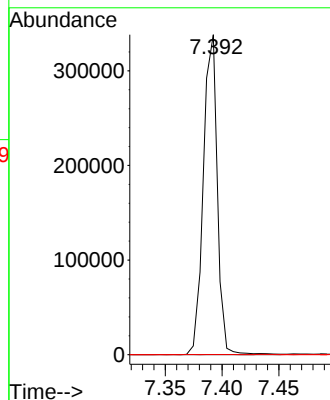
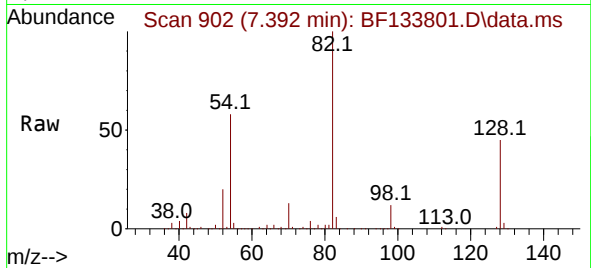




#25
Isophorone
Concen: 29.003 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

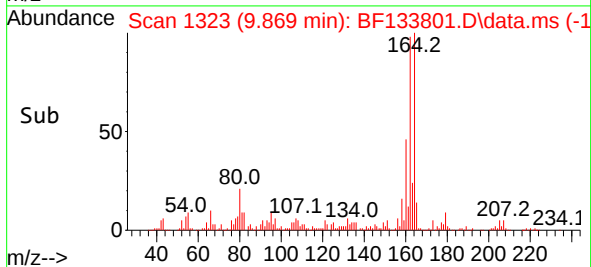
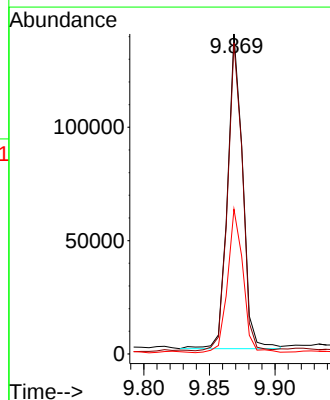
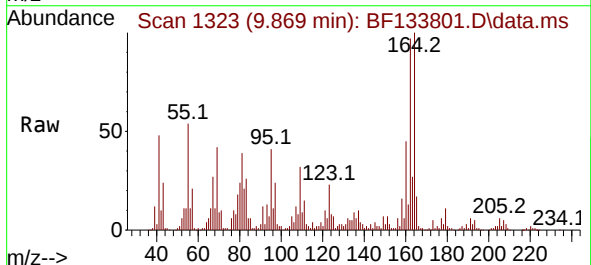
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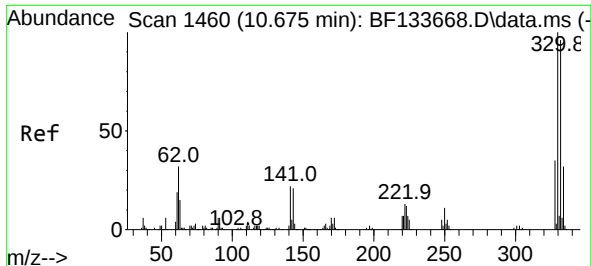
Tgt Ion: 82 Resp: 290366
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion:164 Resp: 111083
Ion Ratio Lower Upper
164 100
162 97.2 80.8 121.2
160 45.3 36.7 55.1

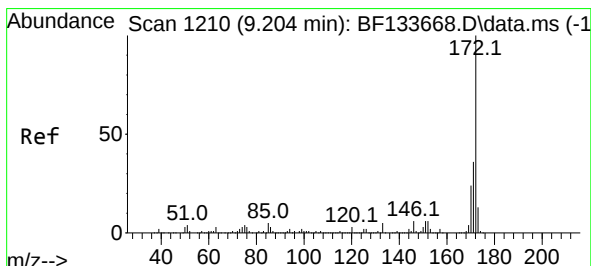
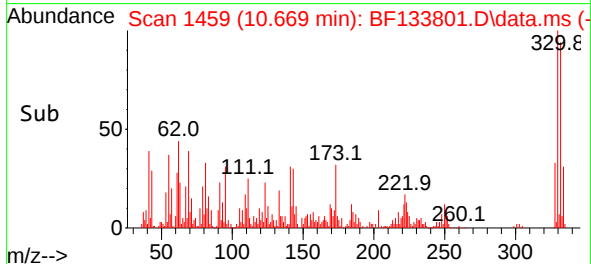
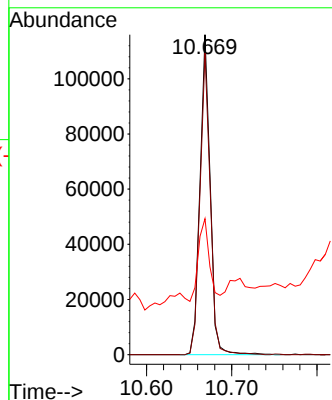
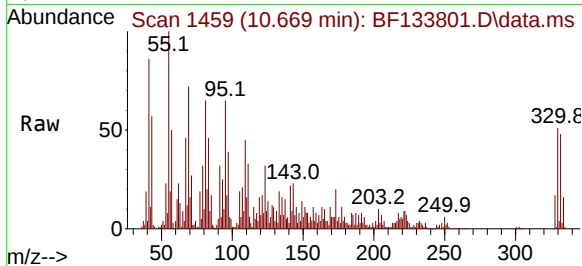




#42
2,4,6-Tribromophenol
Concen: 69.113 ng
RT: 10.669 min Scan# 1460
Delta R.T. 0.006 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

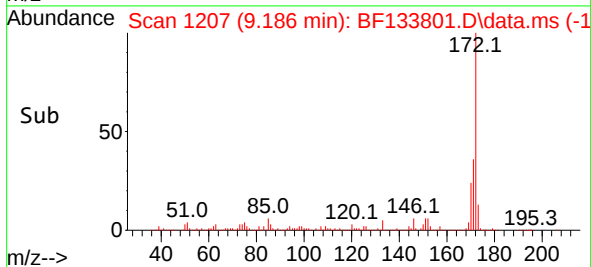
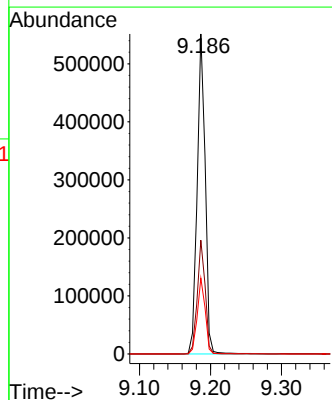
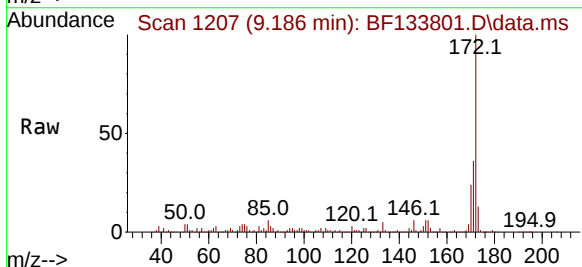
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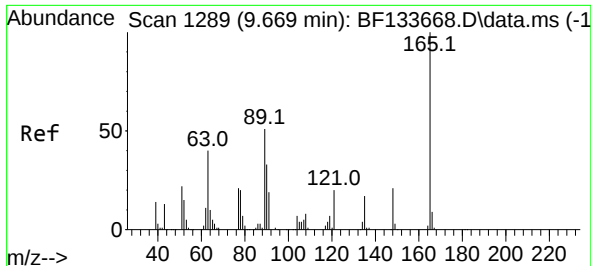
Tgt Ion:330 Resp: 97180
Ion Ratio Lower Upper
330 100
332 94.7 77.2 115.8
141 27.8 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 55.795 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion:172 Resp: 436001
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.7 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 2.884 ng

RT: 9.669 min Scan# 1315

Delta R.T. 0.012 min

Lab File: BF133801.D

Acq: 16 Jun 2023 05:15

Instrument :

BNA_F

ClientSampleId :

WC-1

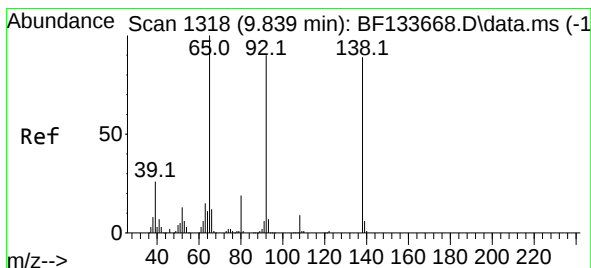
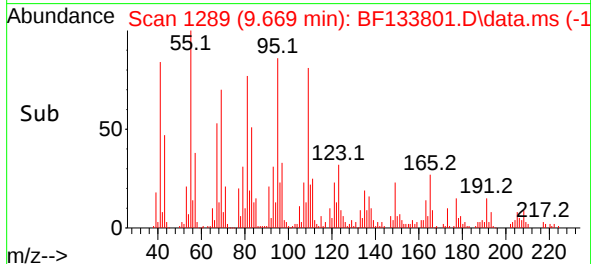
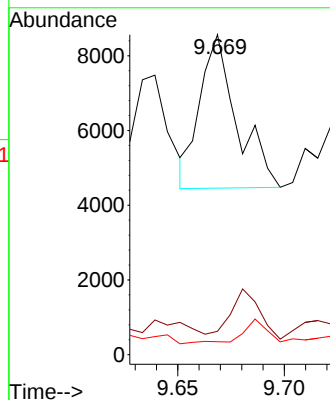
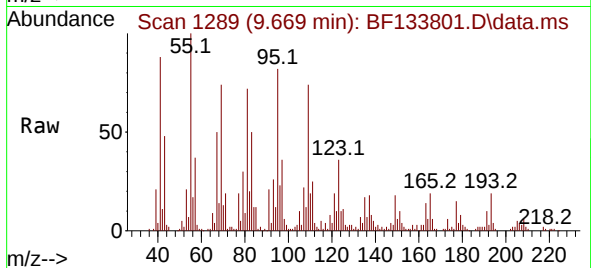
Tgt Ion:165 Resp: 4935

Ion Ratio Lower Upper

165 100

63 7.3 42.1 63.1#

89 4.1 40.9 61.3#



#53

3-Nitroaniline

Concen: 4.808 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF133801.D

Acq: 16 Jun 2023 05:15

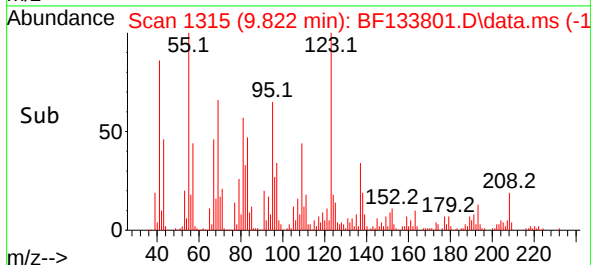
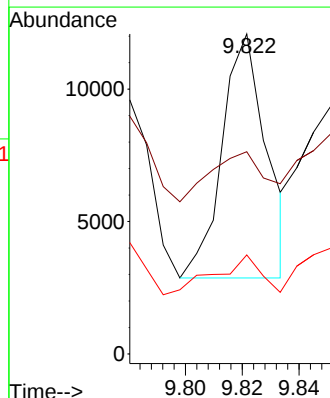
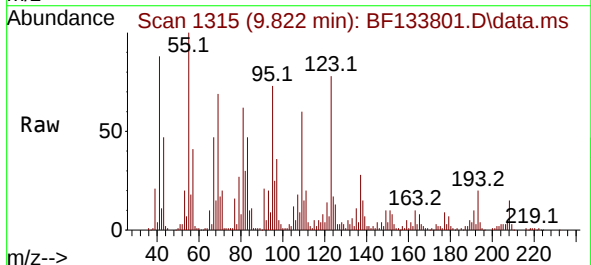
Tgt Ion:138 Resp: 10013

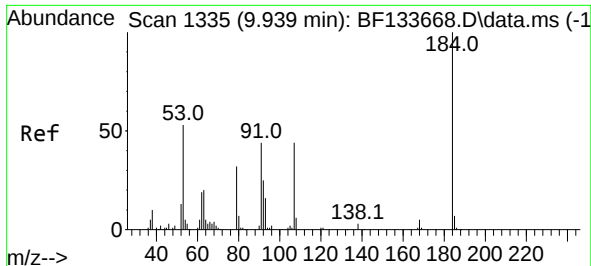
Ion Ratio Lower Upper

138 100

108 63.2 8.2 12.4#

92 30.9 81.0 121.6#

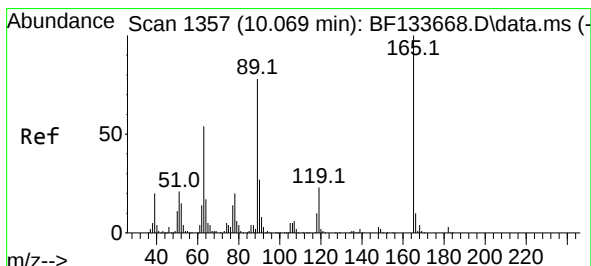
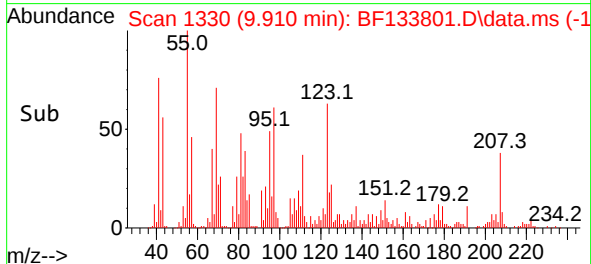
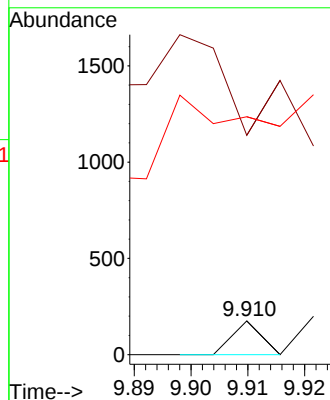
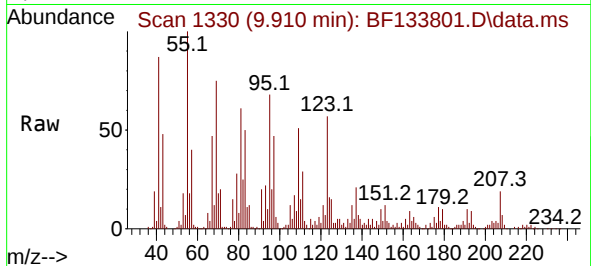




#54
2,4-Dinitrophenol
Concen: 5.785 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

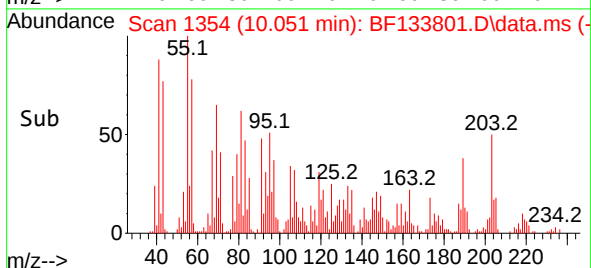
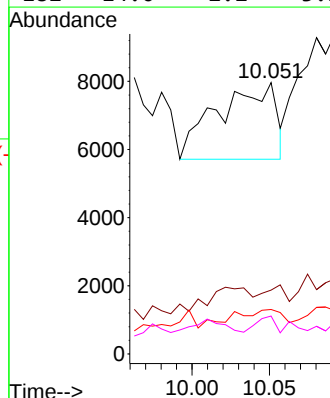
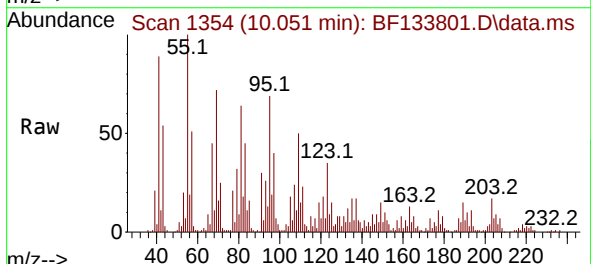
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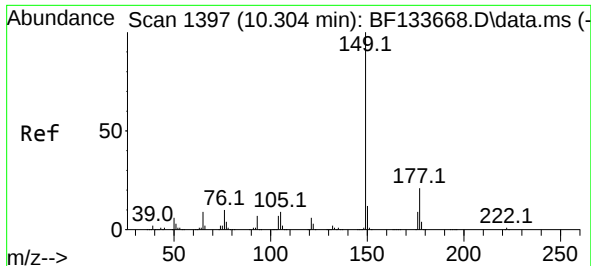
Tgt Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 650.9 55.3 82.9#
154 706.3 51.9 77.9#



#57
2,4-Dinitrotoluene
Concen: 2.656 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion:165 Resp: 5780
Ion Ratio Lower Upper
165 100
63 23.5 43.0 64.6#
89 16.4 62.6 93.8#
182 14.0 2.2 3.2#

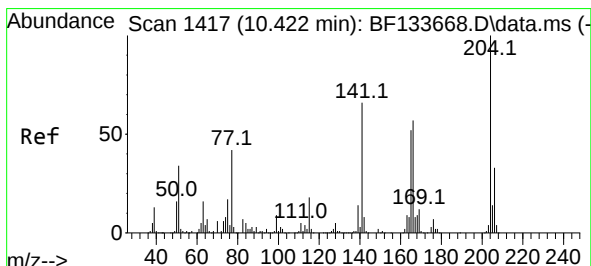
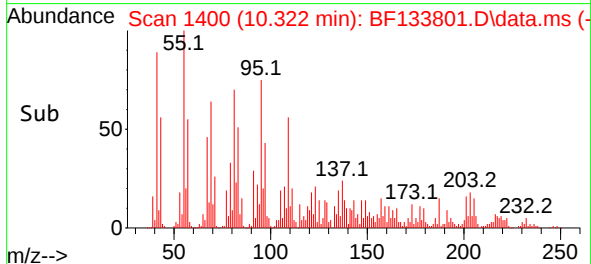
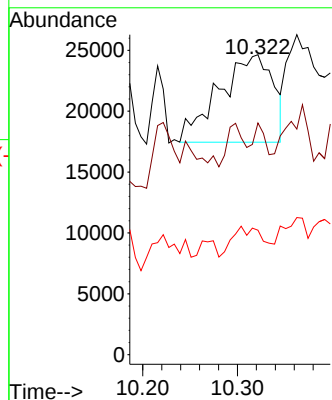
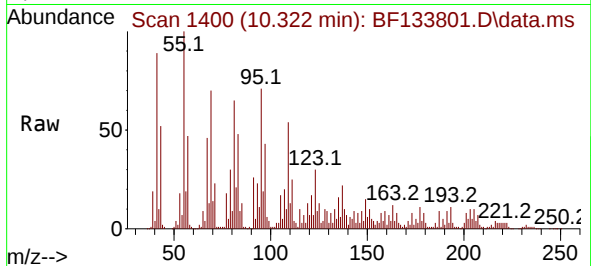




#60
Diethylphthalate
Concen: 3.374 ng
RT: 10.322 min Scan# 14
Delta R.T. 0.029 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

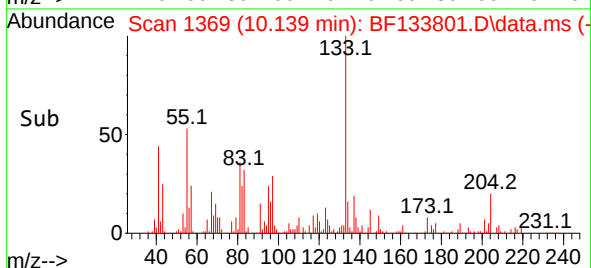
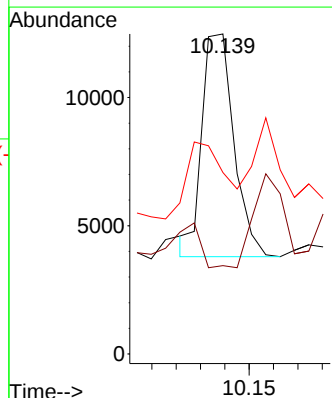
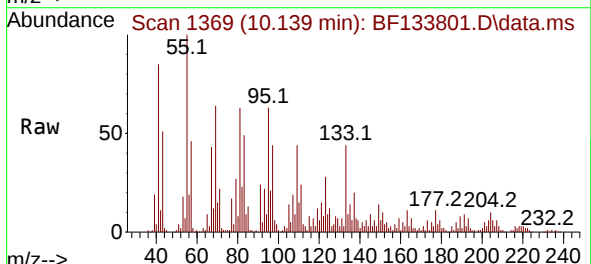
Instrument :
BNA_F
ClientSampleId :
WC-1

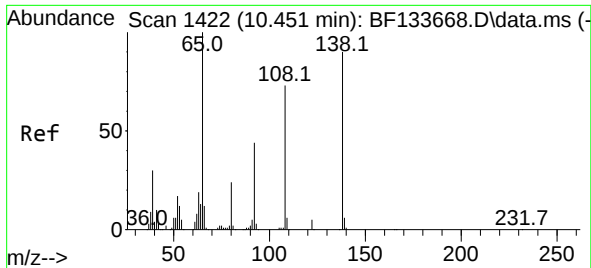
Tgt Ion:149 Resp: 28473
Ion Ratio Lower Upper
149 100
177 77.2 17.0 25.6#
150 41.5 10.0 15.0#



#61
4-Chlorophenyl-phenylether
Concen: 2.099 ng
RT: 10.139 min Scan# 1369
Delta R.T. -0.271 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion:204 Resp: 7916
Ion Ratio Lower Upper
204 100
206 27.6 26.4 39.6
141 56.7 52.8 79.2

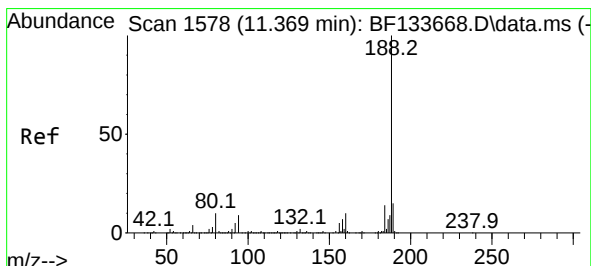
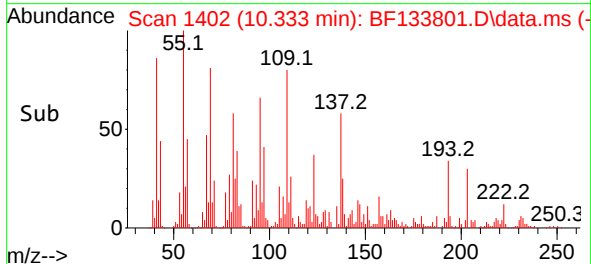
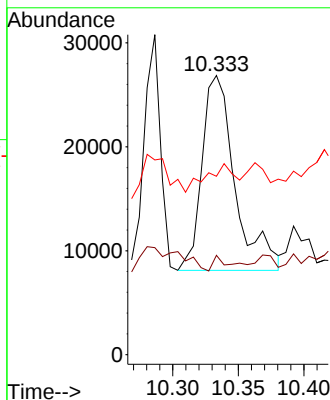
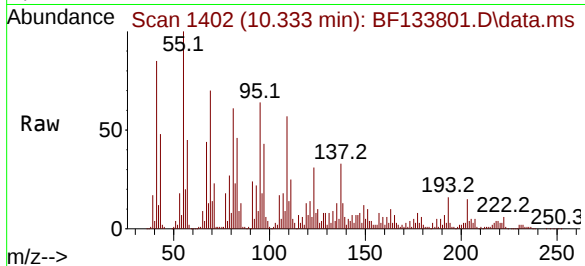




#62
4-Nitroaniline
Concen: 16.061 ng
RT: 10.333 min Scan# 1422
Delta R.T. -0.106 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

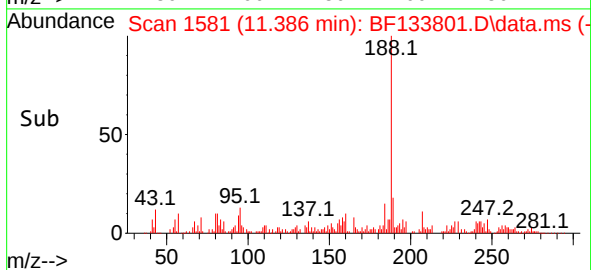
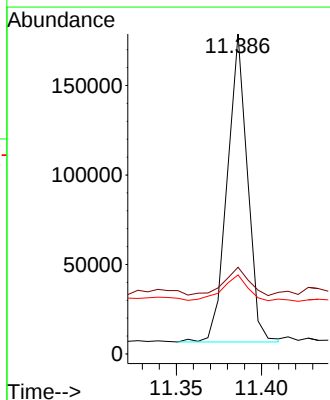
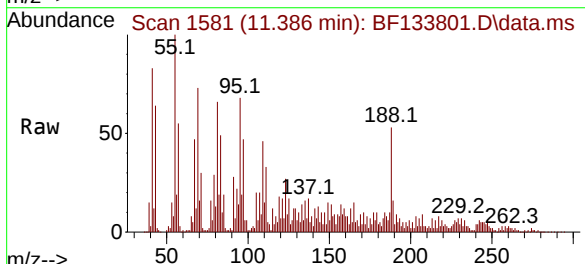
Instrument :
BNA_F
ClientSampleId :
WC-1

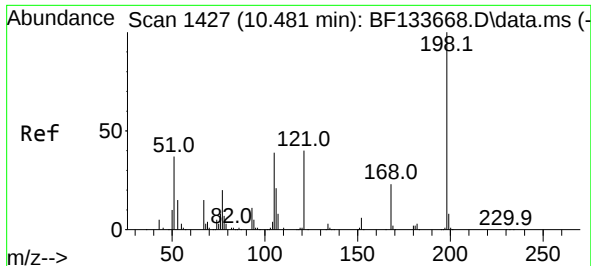
Tgt Ion:138 Resp: 32797
Ion Ratio Lower Upper
138 100
92 35.6 28.9 68.9
108 63.9 61.0 101.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.029 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion:188 Resp: 141610
Ion Ratio Lower Upper
188 100
94 27.1 6.8 10.2#
80 24.7 7.8 11.6#





#65

4,6-Dinitro-2-methylphenol

Concen: 2.372 ng

RT: 10.492 min Scan# 1429

Delta R.T. 0.023 min

Lab File: BF133801.D

Acq: 16 Jun 2023 05:15

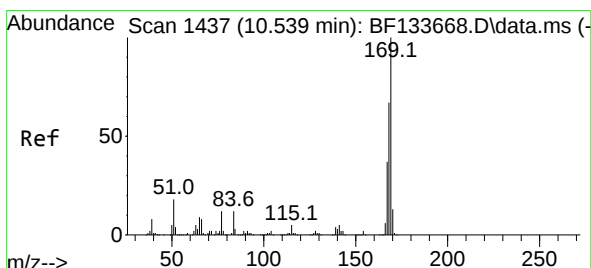
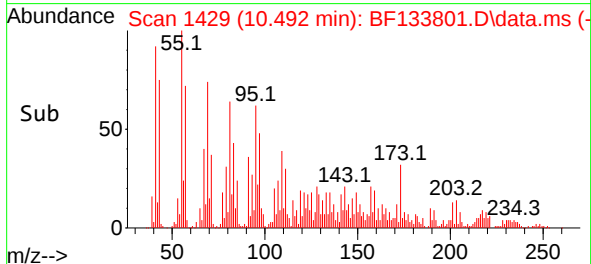
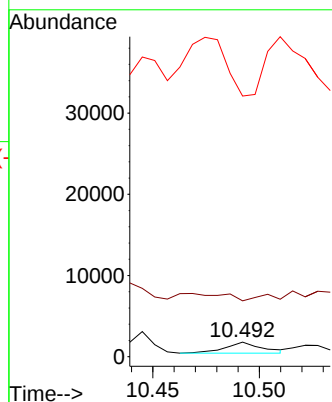
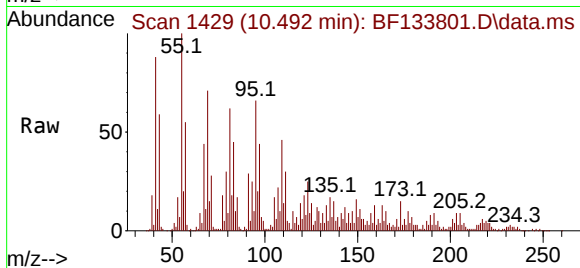
Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:198 Resp: 1605
 Ion Ratio Lower Upper
 198 100
 51 382.1 27.5 67.5#
 105 1781.1 21.0 61.0#



#66

n-Nitrosodiphenylamine

Concen: 5.617 ng

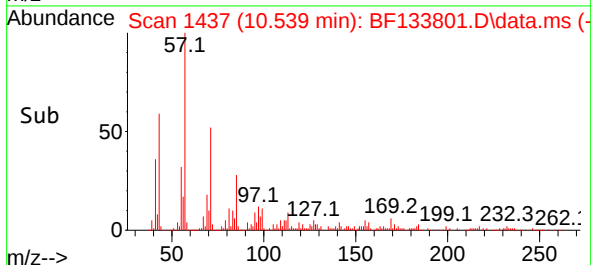
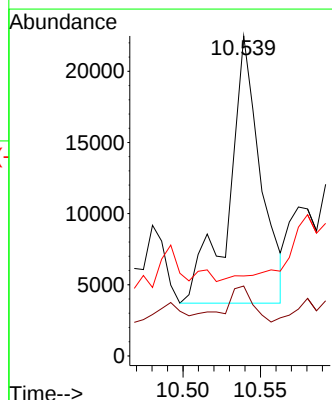
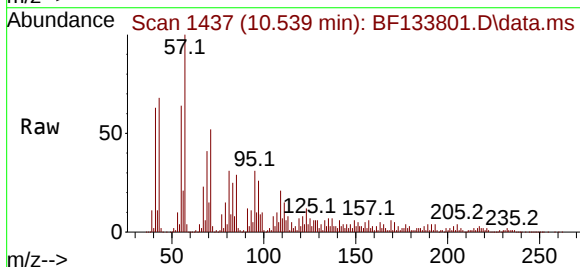
RT: 10.539 min Scan# 1437

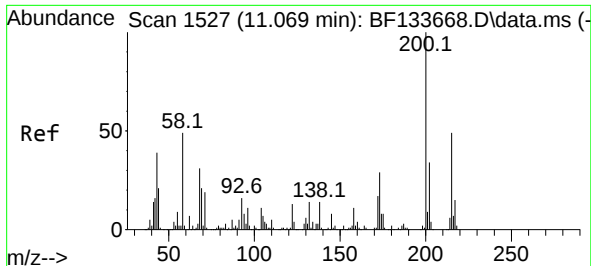
Delta R.T. 0.006 min

Lab File: BF133801.D

Acq: 16 Jun 2023 05:15

Tgt Ion:169 Resp: 26719
 Ion Ratio Lower Upper
 169 100
 168 21.8 53.7 80.5#
 167 25.0 29.8 44.8#





#69

Atrazine

Concen: 4.091 ng

RT: 11.074 min Scan# 11

Delta R.T. 0.017 min

Lab File: BF133801.D

Acq: 16 Jun 2023 05:15

Instrument :

BNA_F

ClientSampleId :

WC-1

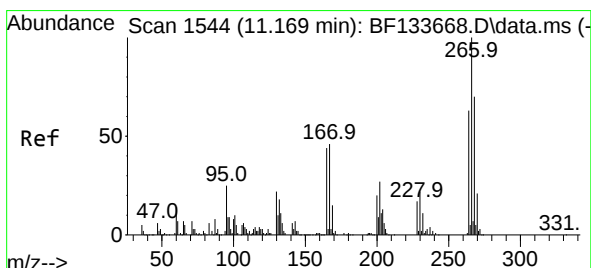
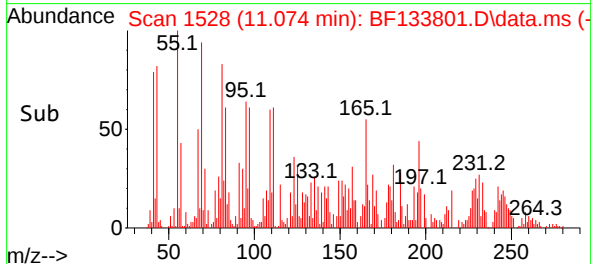
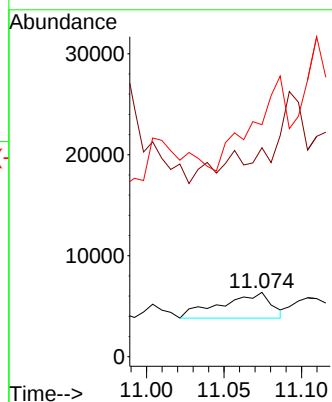
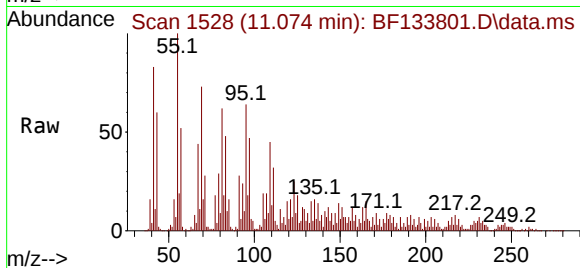
Tgt Ion:200 Resp: 5646

Ion Ratio Lower Upper

200 100

173 325.2 8.7 48.7#

215 361.1 29.0 69.0#



#70

Pentachlorophenol

Concen: 5.228 ng

RT: 11.227 min Scan# 1554

Delta R.T. 0.065 min

Lab File: BF133801.D

Acq: 16 Jun 2023 05:15

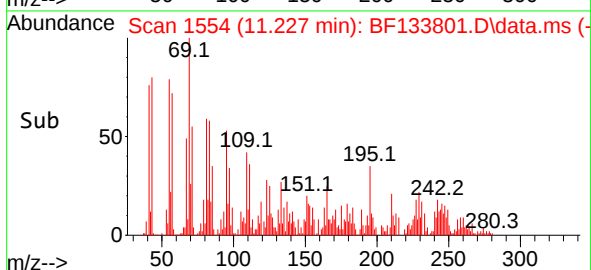
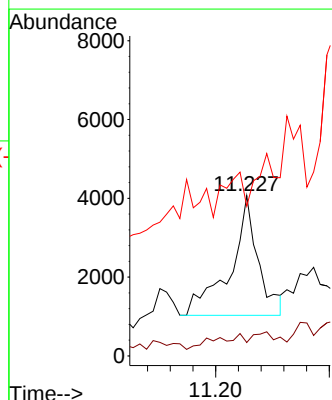
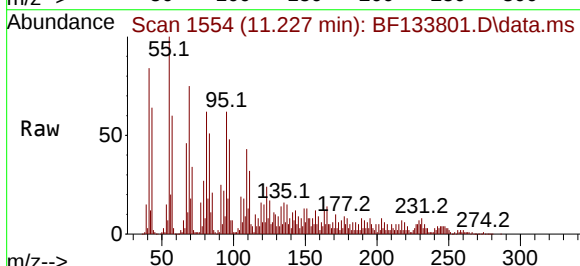
Tgt Ion:266 Resp: 5203

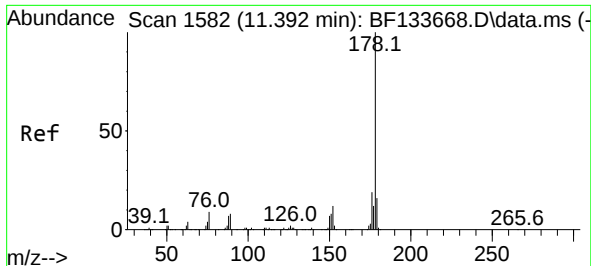
Ion Ratio Lower Upper

266 100

268 8.4 55.7 83.5#

264 93.4 50.7 76.1#

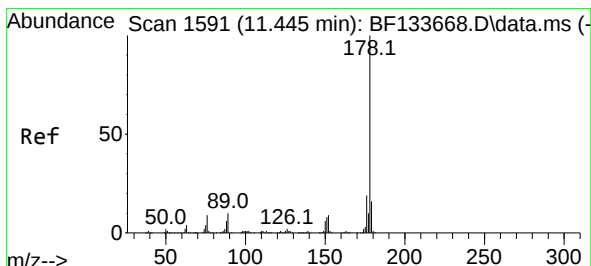
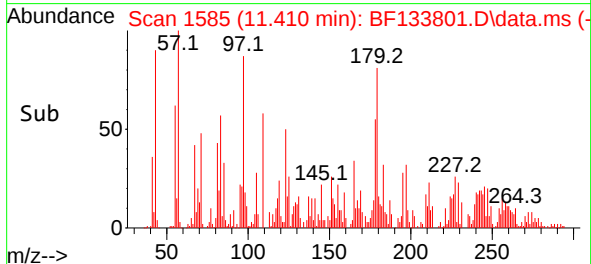
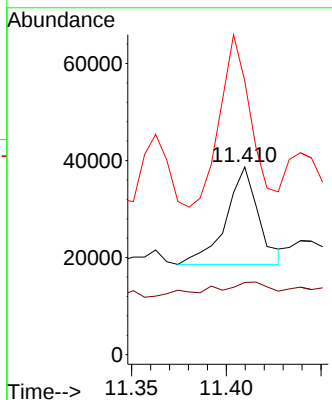
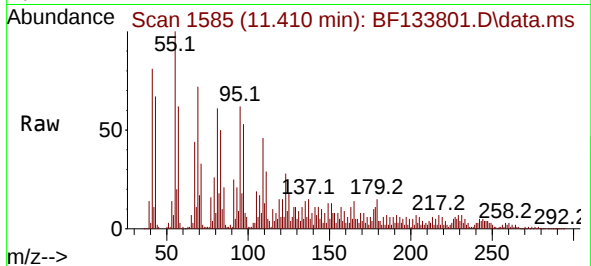




#71
Phenanthrene
Concen: 3.342 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

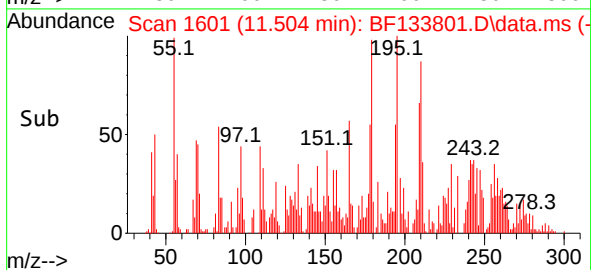
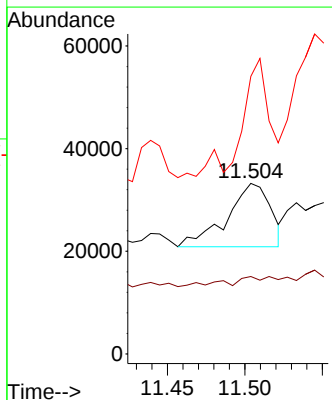
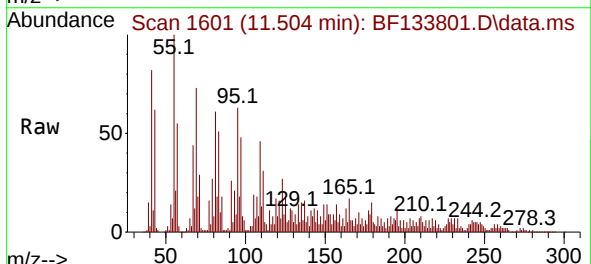
Instrument :
BNA_F
ClientSampleId :
WC-1

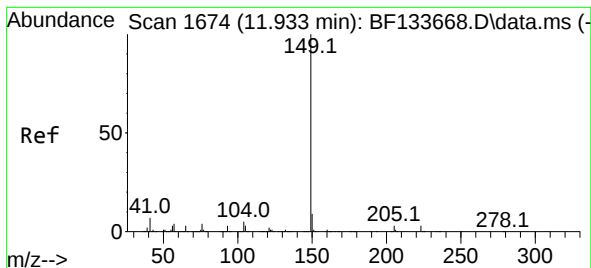
Tgt Ion:178 Resp: 24012
Ion Ratio Lower Upper
178 100
176 38.5 15.6 23.4#
179 145.8 12.4 18.6#



#72
Anthracene
Concen: 3.206 ng
RT: 11.504 min Scan# 1601
Delta R.T. 0.070 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion:178 Resp: 24020
Ion Ratio Lower Upper
178 100
176 45.4 15.1 22.7#
179 162.8 12.6 18.8#





#74

Di-n-butylphthalate

Concen: 4.698 ng

RT: 11.951 min Scan# 1

Delta R.T. 0.029 min

Lab File: BF133801.D

Acq: 16 Jun 2023 05:15

Instrument :

BNA_F

ClientSampleId :

WC-1

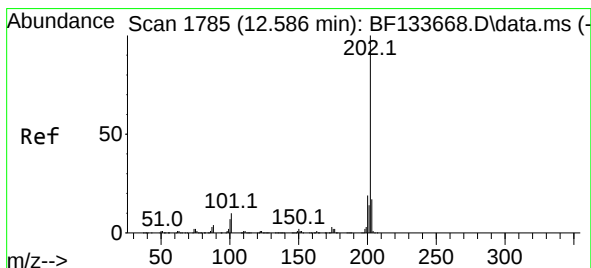
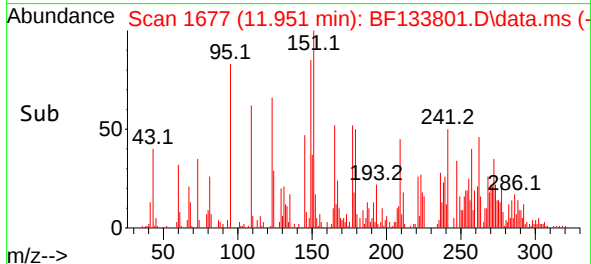
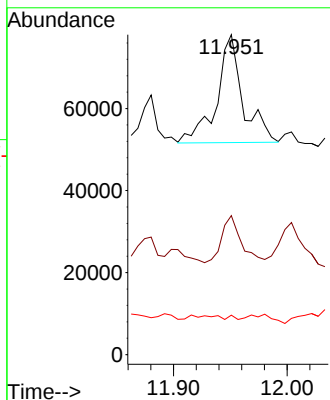
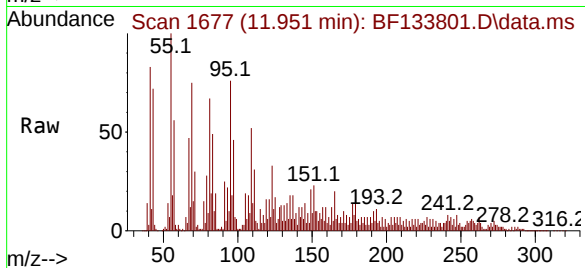
Tgt Ion:149 Resp: 42025

Ion Ratio Lower Upper

149 100

150 43.5 7.4 11.0#

104 12.4 3.8 5.8#



#75

Fluoranthene

Concen: 3.059 ng

RT: 12.627 min Scan# 1792

Delta R.T. 0.053 min

Lab File: BF133801.D

Acq: 16 Jun 2023 05:15

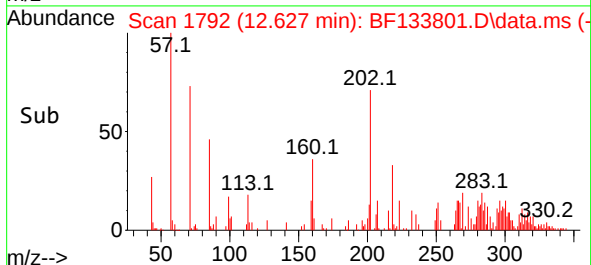
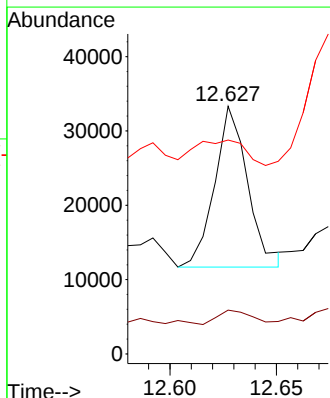
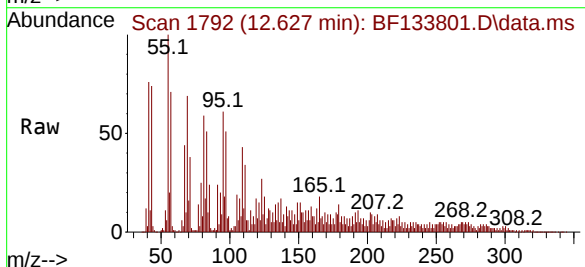
Tgt Ion:202 Resp: 23341

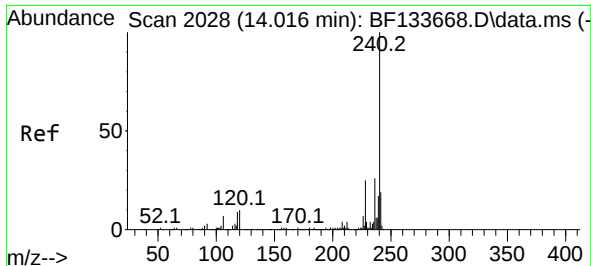
Ion Ratio Lower Upper

202 100

101 17.7 0.0 29.6

203 86.4 0.0 37.4#

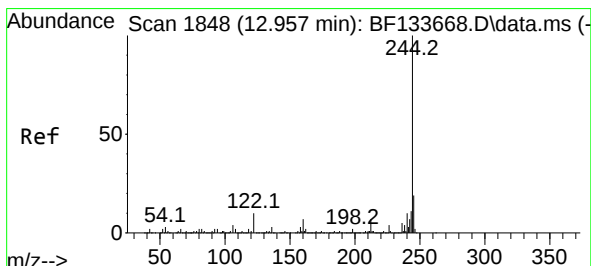
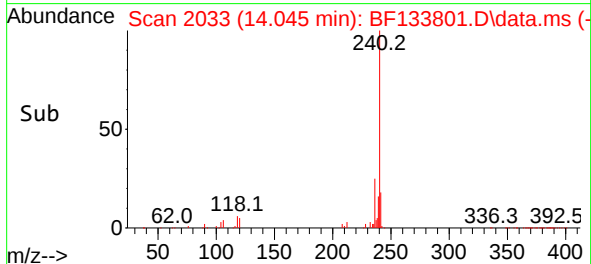
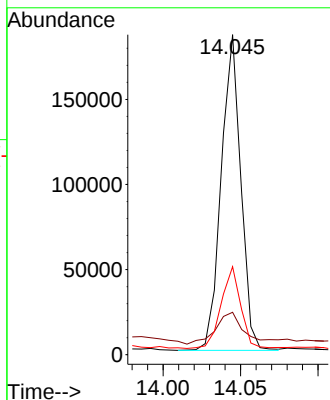
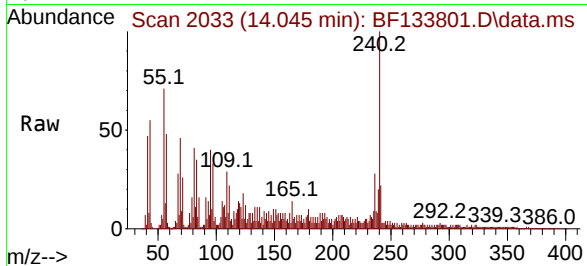




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. 0.041 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

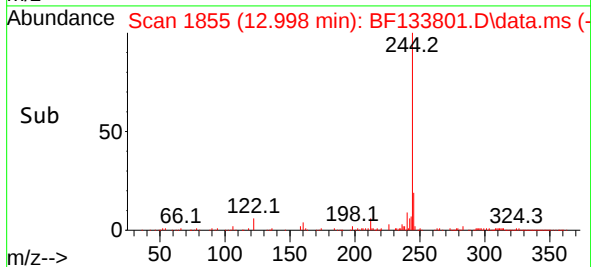
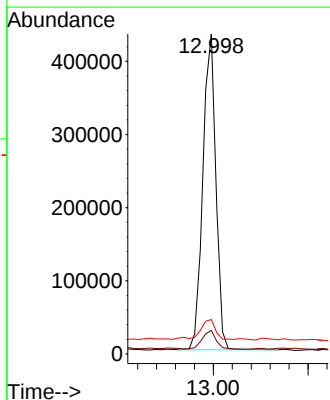
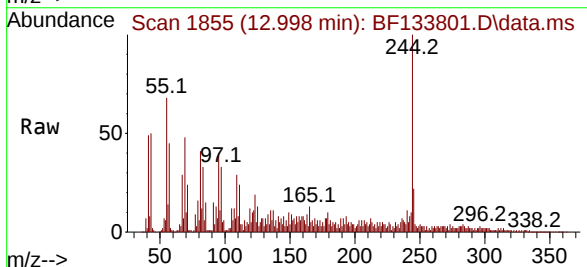
Instrument :
BNA_F
ClientSampleId :
WC-1

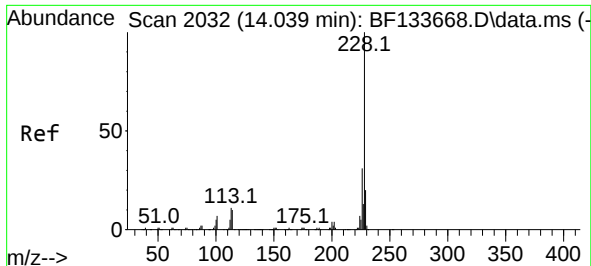
Tgt Ion:240 Resp: 163188
Ion Ratio Lower Upper
240 100
120 13.3 8.1 12.1#
236 27.5 20.5 30.7



#79
Terphenyl-d14
Concen: 39.106 ng
RT: 12.998 min Scan# 1855
Delta R.T. 0.053 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion:244 Resp: 412423
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 10.8 8.1 12.1

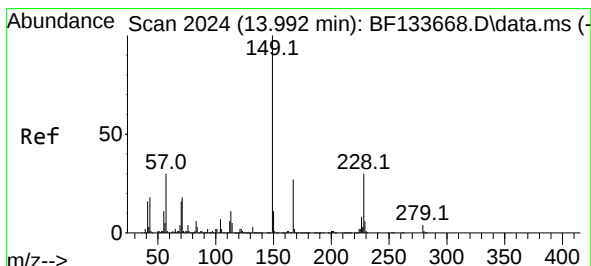
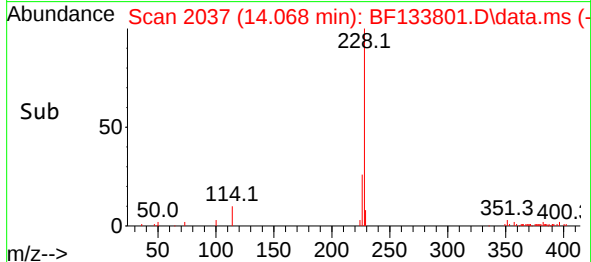
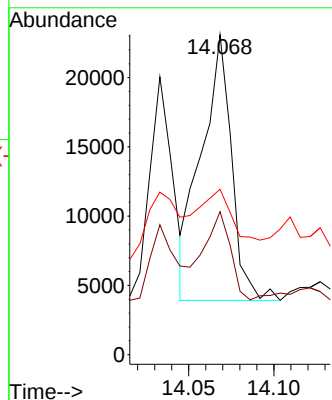
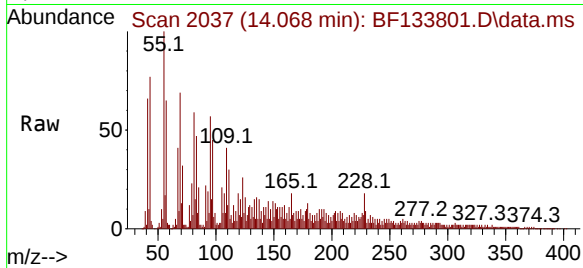




#83
Chrysene
Concen: 2.227 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.041 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

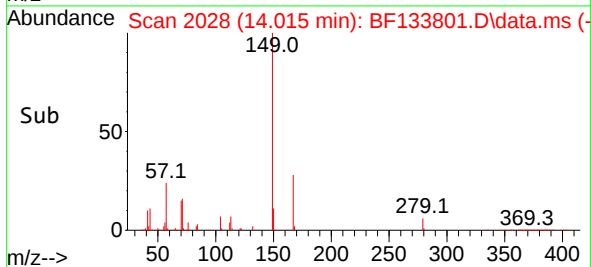
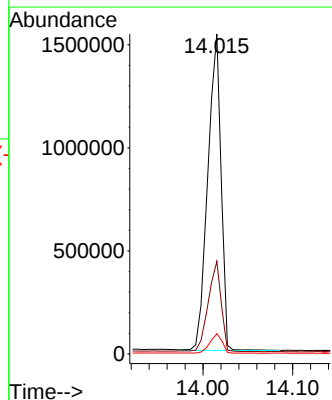
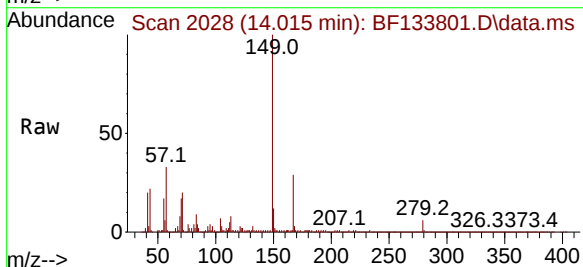
Instrument :
BNA_F
ClientSampleId :
WC-1

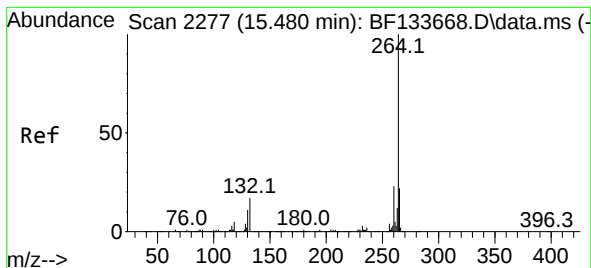
Tgt Ion:228 Resp: 23776
Ion Ratio Lower Upper
228 100
226 44.7 25.0 37.6#
229 51.7 15.8 23.8#



#84
Bis(2-ethylhexyl)phthalate
Concen: 199.502 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.035 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Tgt Ion:149 Resp: 1576446
Ion Ratio Lower Upper
149 100
167 29.0 21.8 32.8
279 6.4 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF133801.D

Acq: 16 Jun 2023 05:15

Instrument :

BNA_F

ClientSampleId :

WC-1

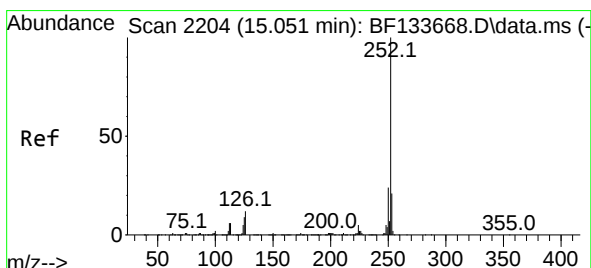
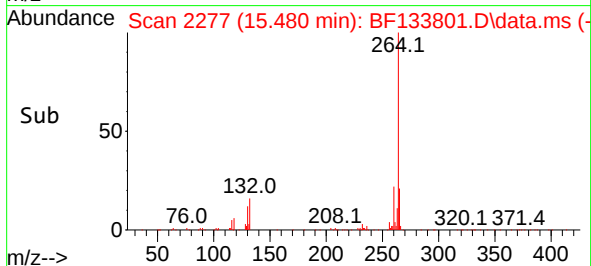
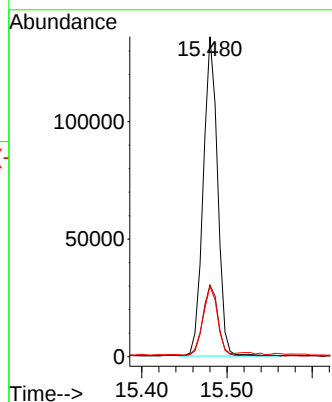
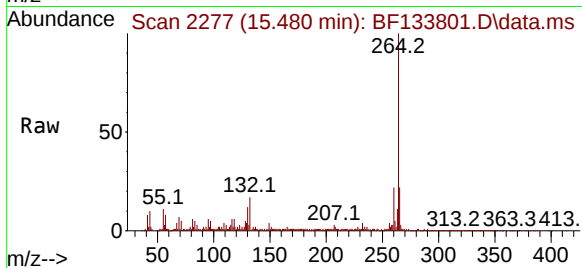
Tgt Ion:264 Resp: 158755

Ion Ratio Lower Upper

264 100

260 22.4 18.2 27.2

265 21.9 17.8 26.6



#88

Benzo(b)fluoranthene

Concen: 2.886 ng

RT: 15.057 min Scan# 2205

Delta R.T. 0.017 min

Lab File: BF133801.D

Acq: 16 Jun 2023 05:15

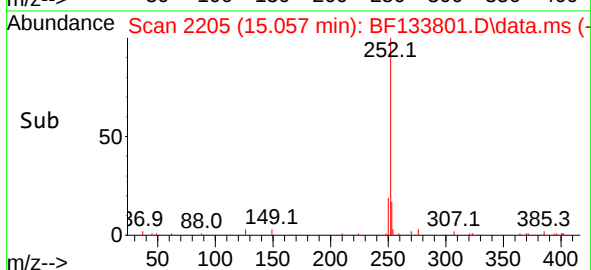
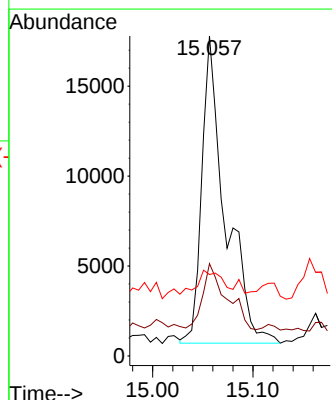
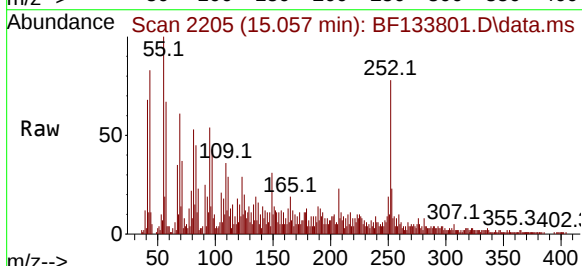
Tgt Ion:252 Resp: 27834

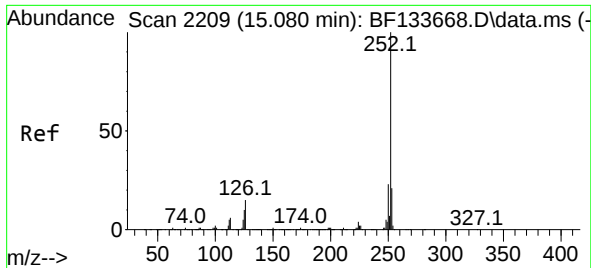
Ion Ratio Lower Upper

252 100

253 28.9 17.0 25.6#

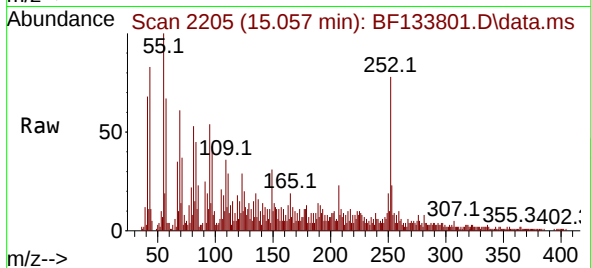
125 25.5 7.3 10.9#





#89
Benzo(k)fluoranthene
Concen: 2.963 ng
RT: 15.057 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133801.D
Acq: 16 Jun 2023 05:15

Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 27834
Ion Ratio Lower Upper
252 100
253 28.9 17.0 25.4#
125 25.5 7.8 11.6#

