

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135871.D
 Acq On : 19 Oct 2023 03:29
 Operator : CG\JU
 Sample : 04858-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Oct 19 04:44:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

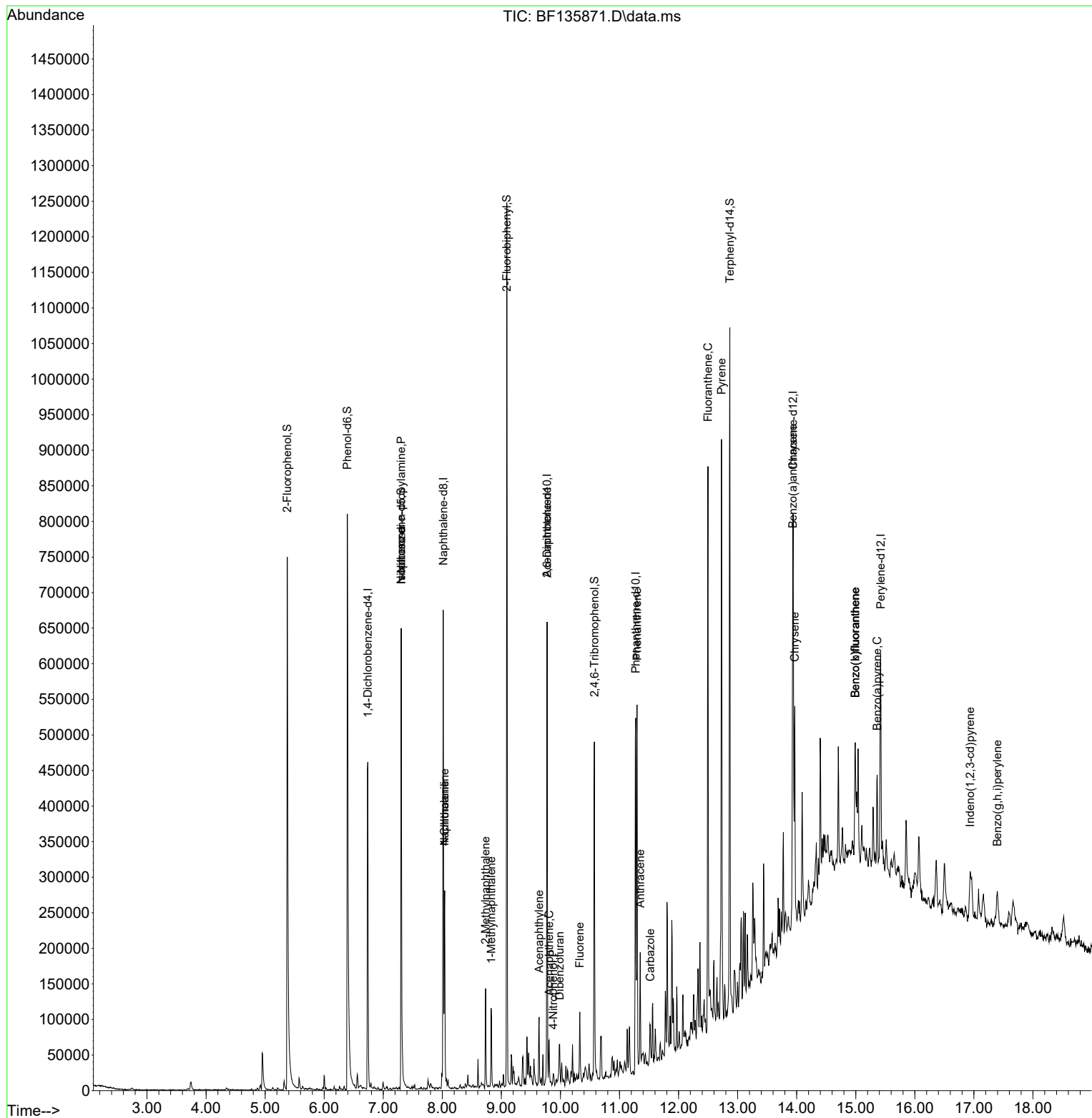
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	74003	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	260033	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	107709	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	189596	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	148424	20.000	ng	-0.01
86) Perylene-d12	15.421	264	111216	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	254627	55.319	ng	0.00
7) Phenol-d6	6.392	99	313378	54.566	ng	0.00
23) Nitrobenzene-d5	7.304	82	187472	39.652	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	55694	53.886	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	339015	49.212	ng	-0.01
79) Terphenyl-d14	12.869	244	328532	40.991	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	24941	7.024	ng	# 77
25) Isophorone	7.304	82	187472	21.018	ng	# 66
31) Naphthalene	8.039	128	114166	9.001	ng	99
33) 4-Chloroaniline	8.039	127	14503	2.618	ng	# 31
37) 2-Methylnaphthalene	8.733	142	34493	4.128	ng	97
38) 1-Methylnaphthalene	8.828	142	30085	3.903	ng	98
49) Acenaphthylene	9.639	152	34958	3.553	ng	97
51) 2,6-Dinitrotoluene	9.775	165	14921	9.543	ng	# 17
52) Acenaphthene	9.810	154	12501	2.119	ng	97
55) Dibenzofuran	9.986	168	17983	2.021	ng	90
56) 4-Nitrophenol	9.880	139	302	5.813	ng	# 54
58) Fluorene	10.328	166	25264	3.626	ng	96
71) Phenanthrene	11.298	178	194227	21.385	ng	98
72) Anthracene	11.351	178	57683	6.129	ng	100
73) Carbazole	11.522	167	21180	2.413	ng	99
75) Fluoranthene	12.498	202	302747	30.033	ng	97
78) Pyrene	12.727	202	308441	26.151	ng	100
81) Benzo(a)anthracene	13.933	228	133475	13.691	ng	96
83) Chrysene	13.968	228	122275	12.949	ng	99
87) Indeno(1,2,3-cd)pyrene	16.939	276	35981	5.938	ng	96
88) Benzo(b)fluoranthene	14.992	252	129109	20.742	ng	99
89) Benzo(k)fluoranthene	14.992	252	129109	21.365	ng	97
90) Benzo(a)pyrene	15.362	252	70734	12.085	ng	# 97
92) Benzo(g,h,i)perylene	17.398	276	35083	6.875	ng	# 82

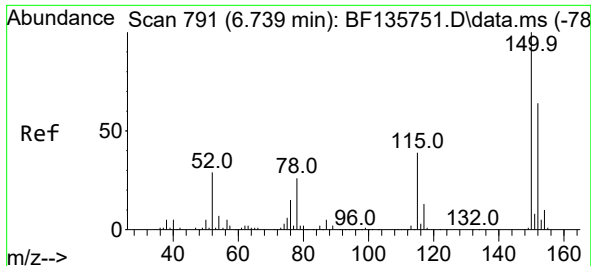
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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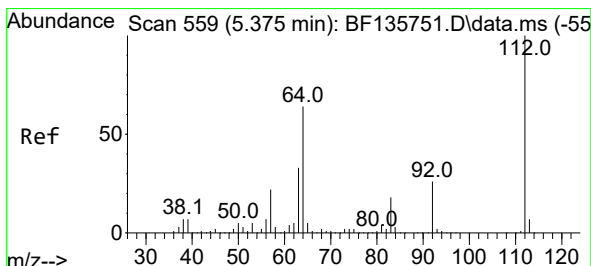
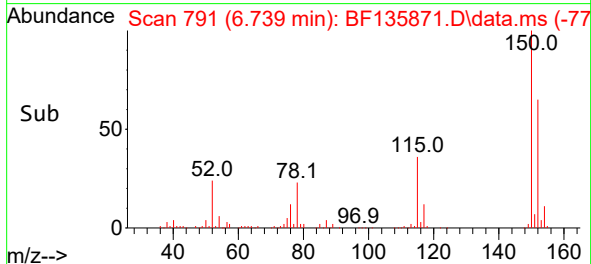
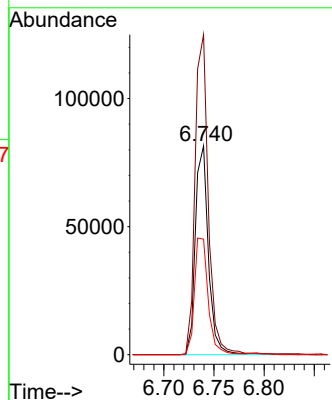
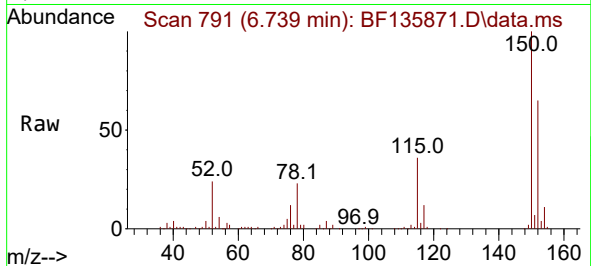




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.739 min Scan# 791
 Delta R.T. -0.007 min
 Lab File: BF135871.D
 Acq: 19 Oct 2023 03:29

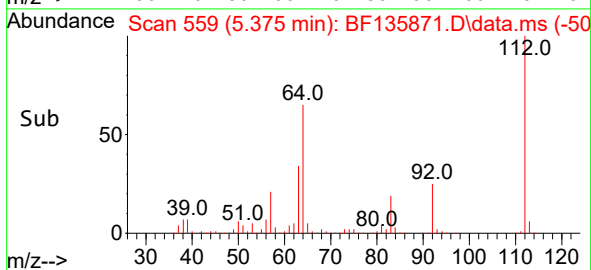
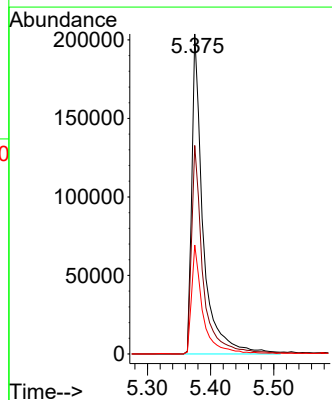
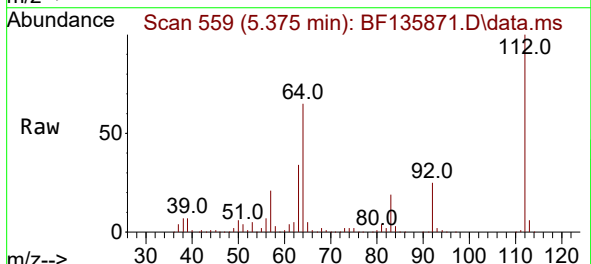
Instrument :
 BNA_F
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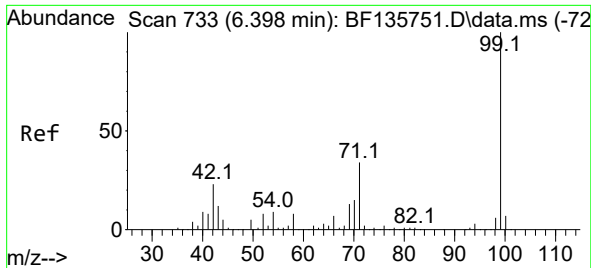
Tgt Ion:152 Resp: 74003
 Ion Ratio Lower Upper
 152 100
 150 153.2 124.5 186.7
 115 55.3 49.0 73.4



#5
 2-Fluorophenol
 Concen: 55.319 ng
 RT: 5.375 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: BF135871.D
 Acq: 19 Oct 2023 03:29

Tgt Ion:112 Resp: 254627
 Ion Ratio Lower Upper
 112 100
 64 65.1 51.2 76.8
 63 34.0 26.1 39.1

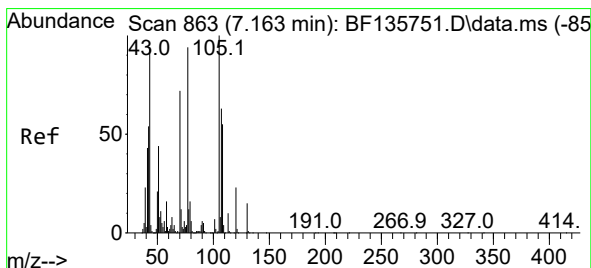
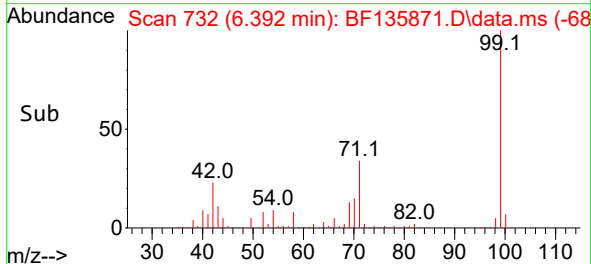
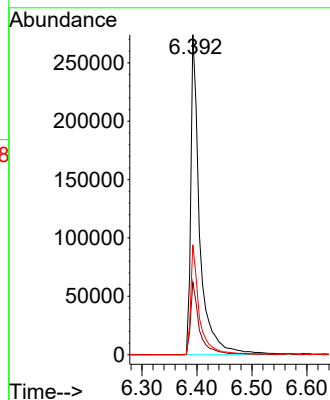
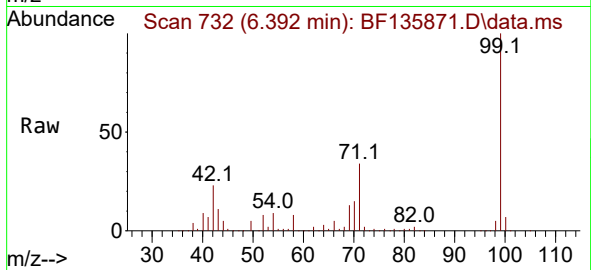




#7
Phenol-d6
Concen: 54.566 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

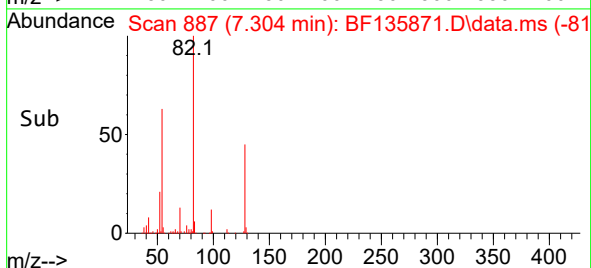
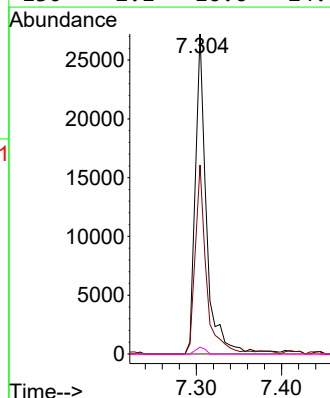
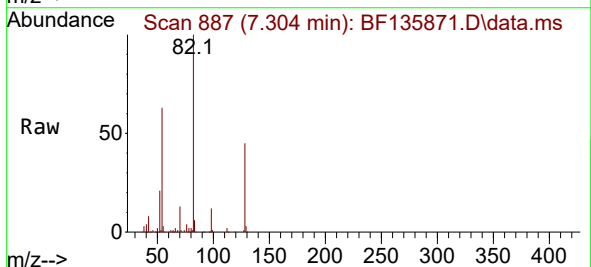
Instrument :
BNA_F
ClientSampleId :
WC-1

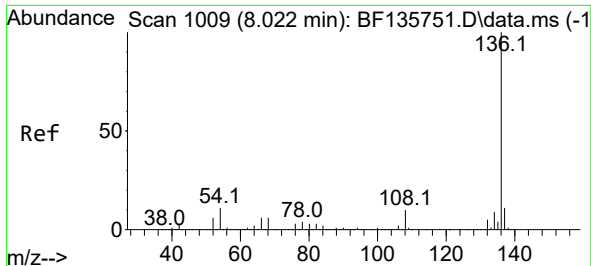
Tgt Ion: 99 Resp: 313378
Ion Ratio Lower Upper
99 100
42 22.7 18.4 27.6
71 34.4 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 7.024 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion: 70 Resp: 24941
Ion Ratio Lower Upper
70 100
42 59.1 59.8 89.6#
101 0.0 7.4 11.2#
130 2.1 16.6 24.8#

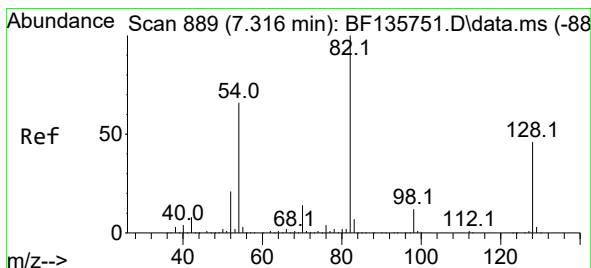
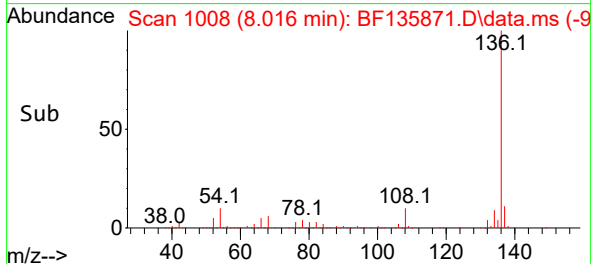
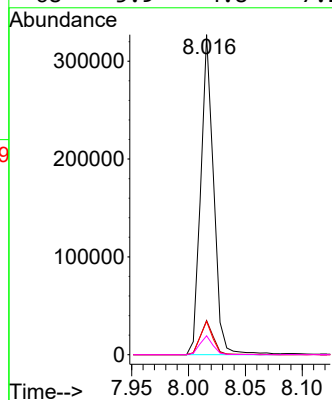
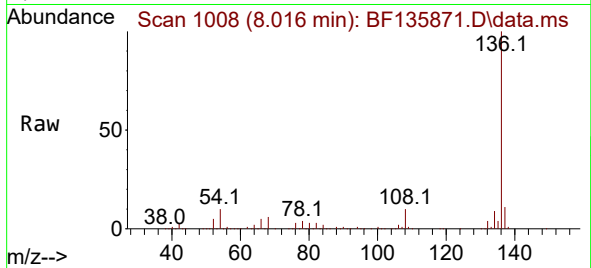




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

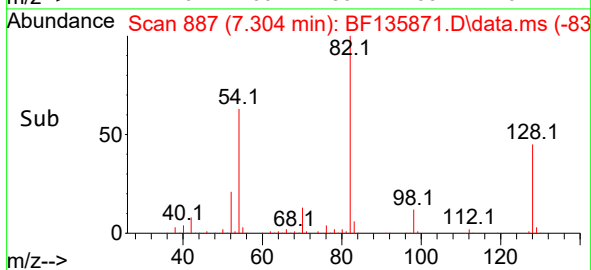
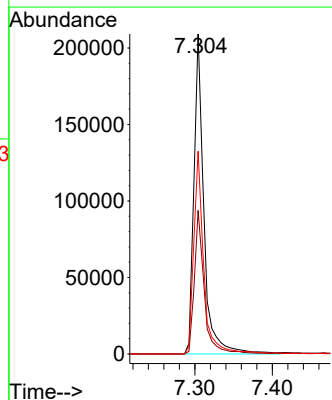
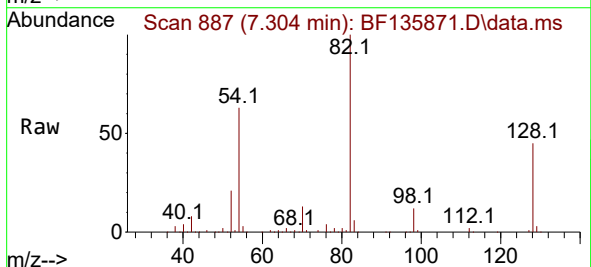
Instrument :
BNA_F
ClientSampleId :
WC-1

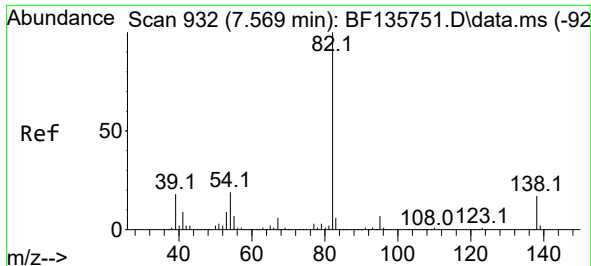
Tgt Ion:136 Resp: 260033
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.4 8.5 12.7
68 5.9 4.8 7.2



#23
Nitrobenzene-d5
Concen: 39.652 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion: 82 Resp: 187472
Ion Ratio Lower Upper
82 100
128 44.9 37.0 55.6
54 63.3 52.8 79.2

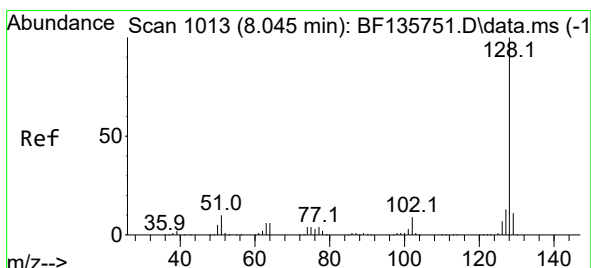
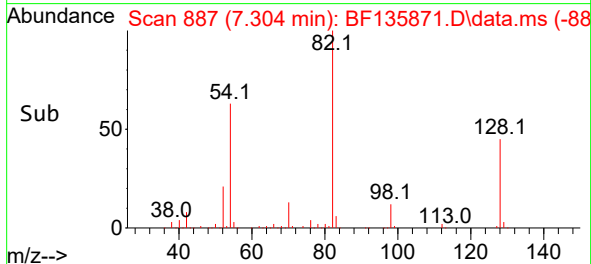
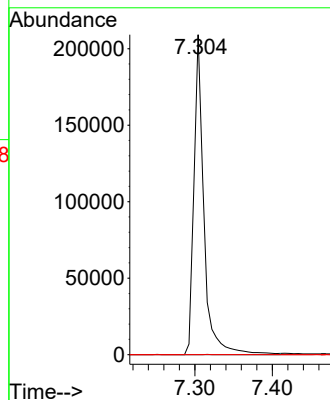
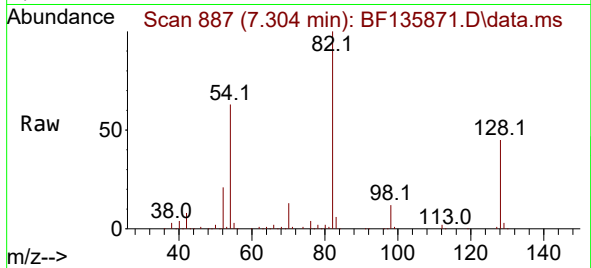




#25
Isophorone
Concen: 21.018 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

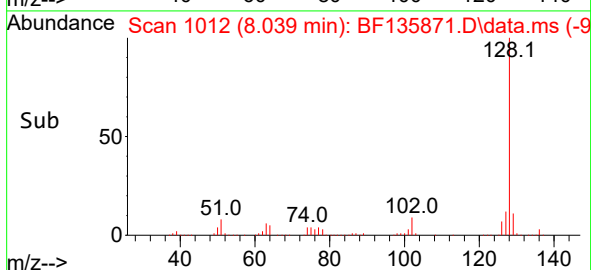
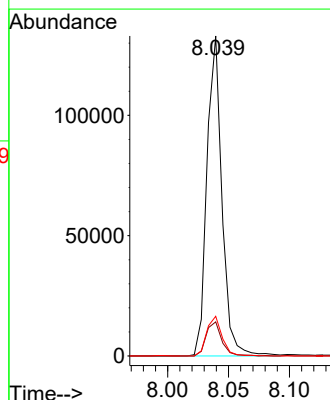
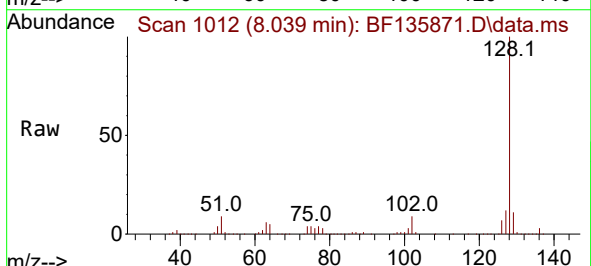
Instrument :
BNA_F
ClientSampleId :
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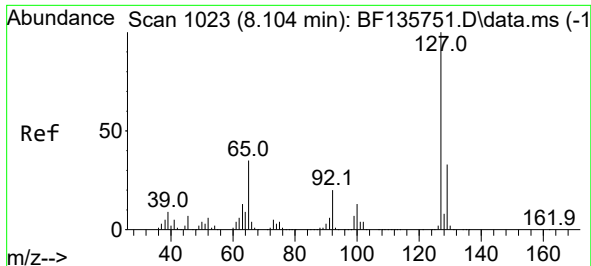
Tgt Ion: 82 Resp: 187472
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#31
Naphthalene
Concen: 9.001 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion: 128 Resp: 114166
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.4 10.2 15.4

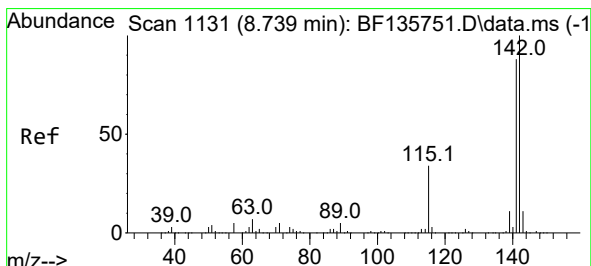
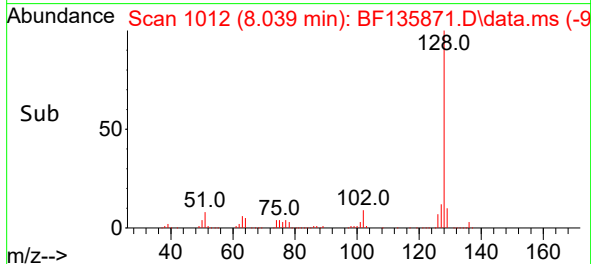
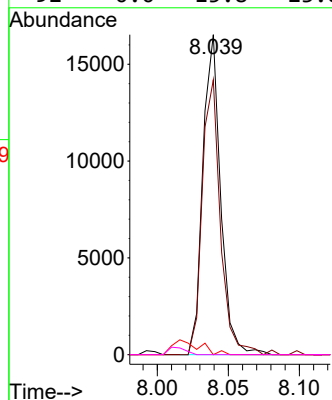
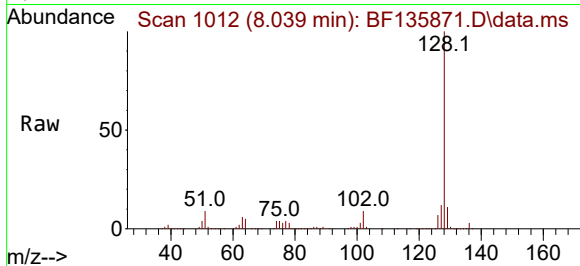




#33
4-Chloroaniline
Concen: 2.618 ng
RT: 8.039 min Scan# 110
Delta R.T. -0.065 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

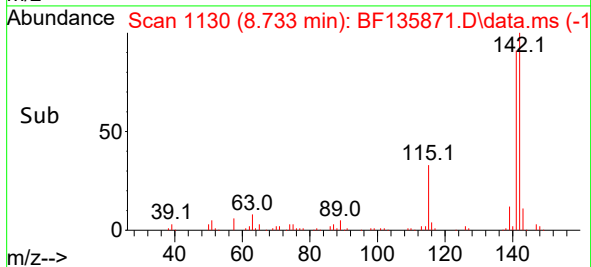
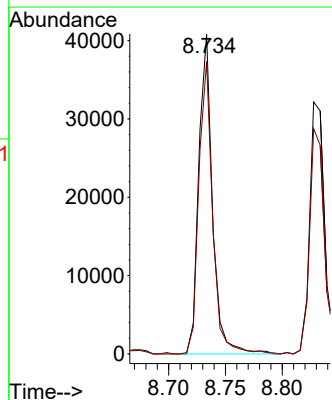
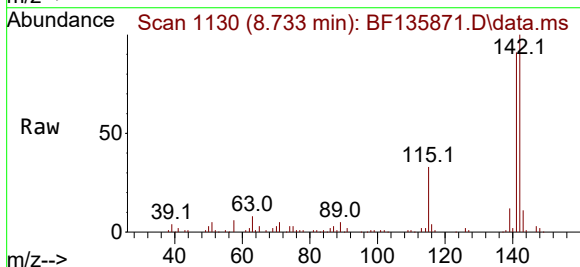
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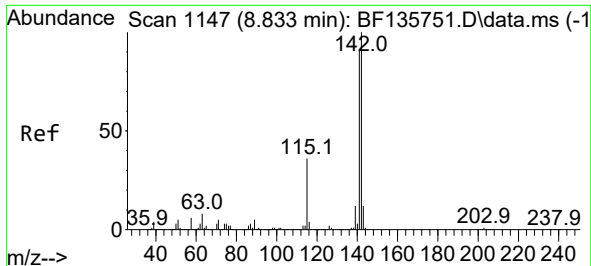
Tgt Ion:127	Resp:	14503
Ion	Ratio	Lower Upper
127	100	
129	85.9	26.5 39.7#
65	0.0	27.9 41.9#
92	0.0	15.8 23.8#



#37
2-Methylnaphthalene
Concen: 4.128 ng
RT: 8.733 min Scan# 1130
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion:142	Resp:	34493
Ion	Ratio	Lower Upper
142	100	
141	91.4	70.6 105.8

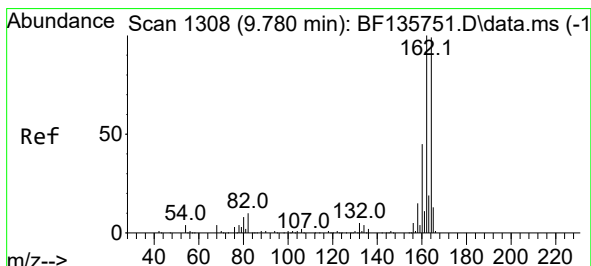
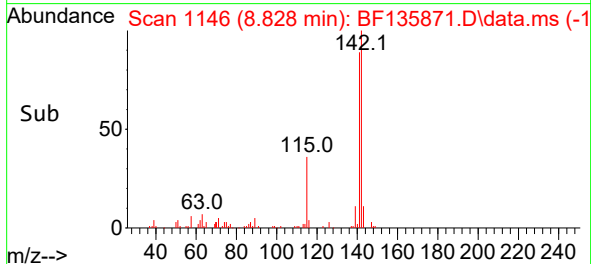
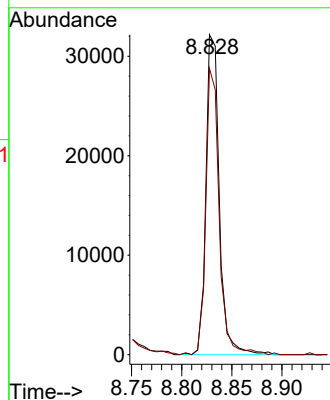
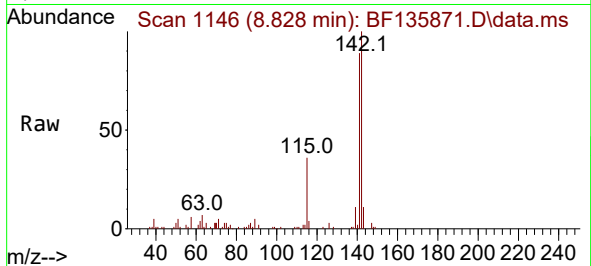




#38
1-Methylnaphthalene
Concen: 3.903 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.012 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

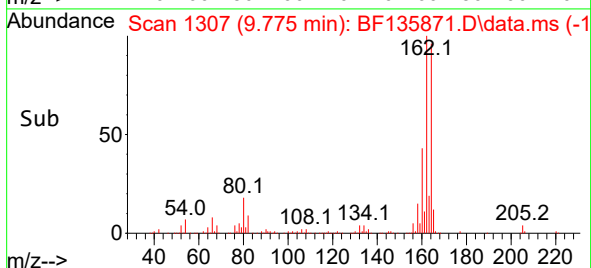
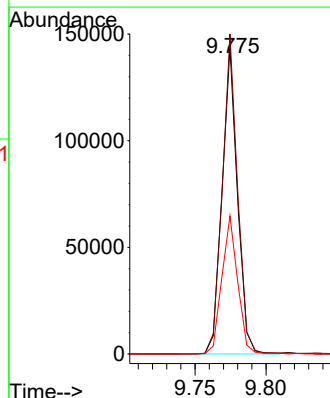
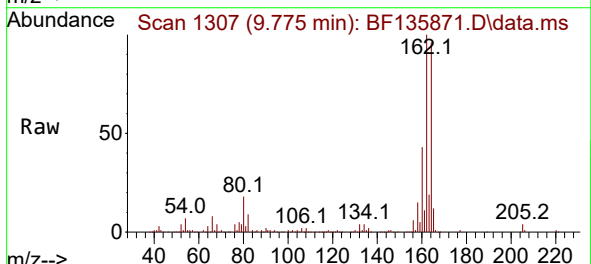
Instrument :
BNA_F
ClientSampleId :
WC-1

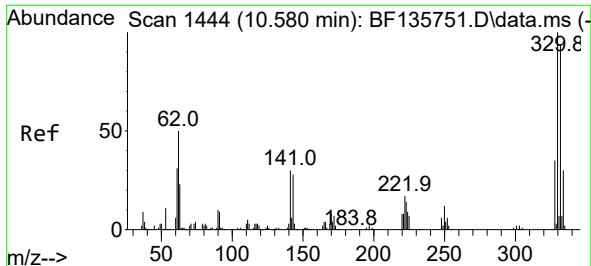
Tgt Ion:142 Resp: 30085
Ion Ratio Lower Upper
142 100
141 89.4 72.7 109.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion:164 Resp: 107709
Ion Ratio Lower Upper
164 100
162 104.5 80.8 121.2
160 45.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 53.886 ng

RT: 10.575 min Scan# 1443

Delta R.T. -0.012 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

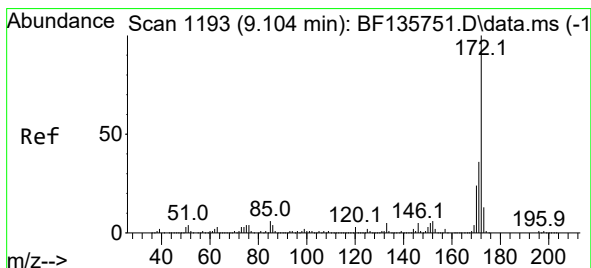
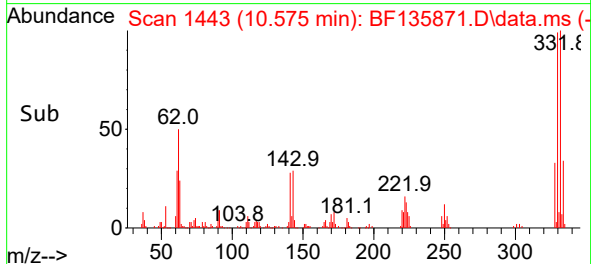
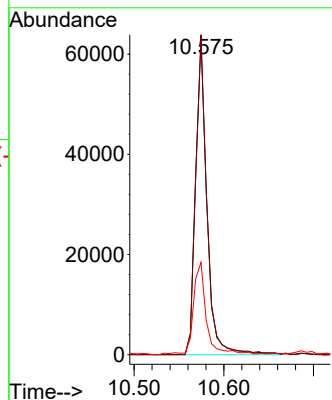
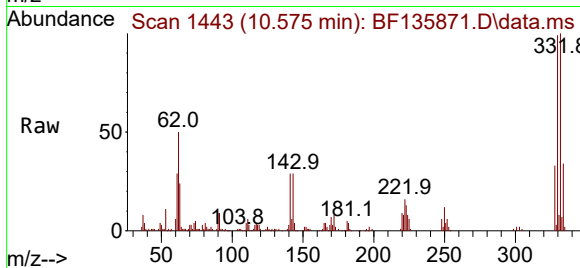
Tgt Ion:330 Resp: 55694

Ion Ratio Lower Upper

330 100

332 99.4 75.0 112.4

141 33.4 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 49.212 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

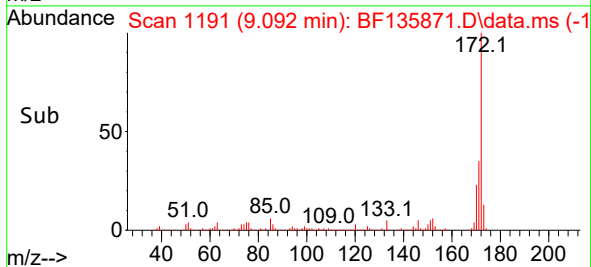
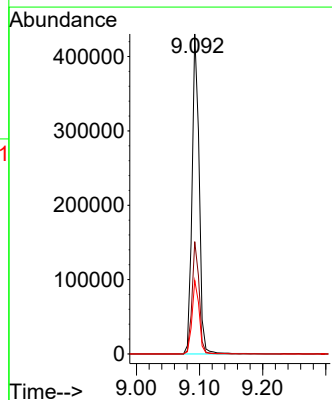
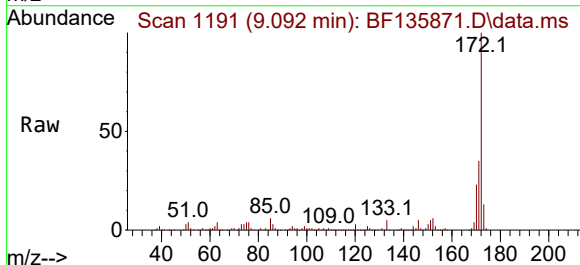
Tgt Ion:172 Resp: 339015

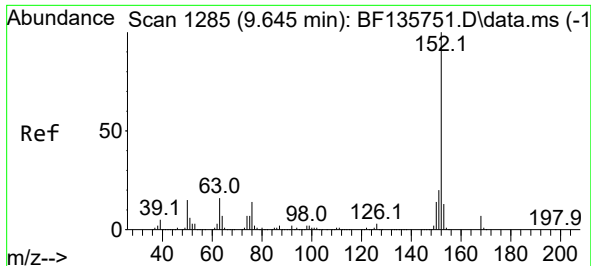
Ion Ratio Lower Upper

172 100

171 35.1 28.4 42.6

170 22.9 18.8 28.2





#49

Acenaphthylene

Concen: 3.553 ng

RT: 9.639 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

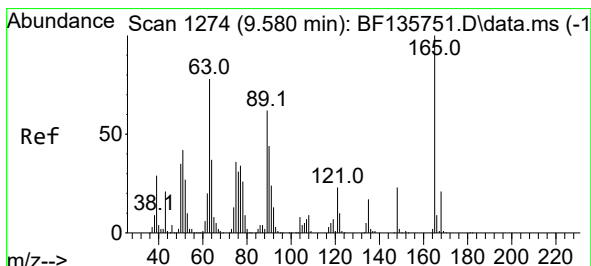
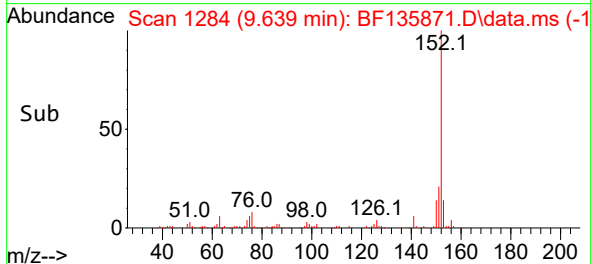
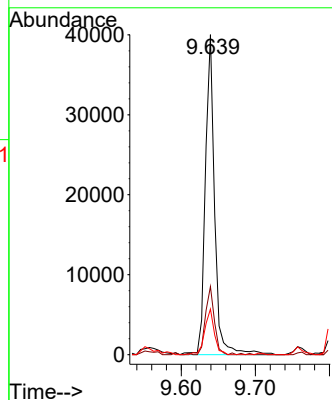
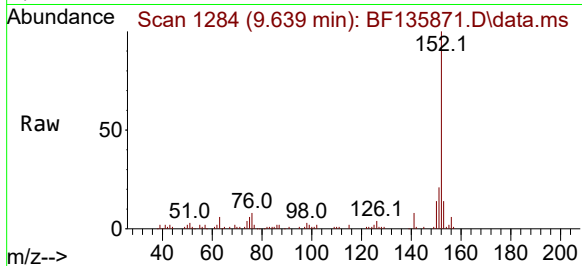
Tgt Ion:152 Resp: 34958

Ion Ratio Lower Upper

152 100

151 21.3 16.2 24.2

153 14.2 10.2 15.4



#51

2,6-Dinitrotoluene

Concen: 9.543 ng

RT: 9.775 min Scan# 1307

Delta R.T. 0.188 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

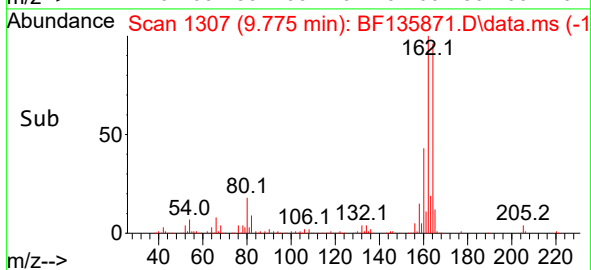
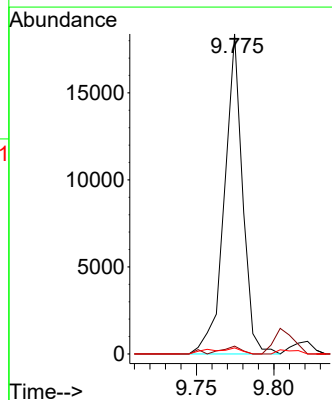
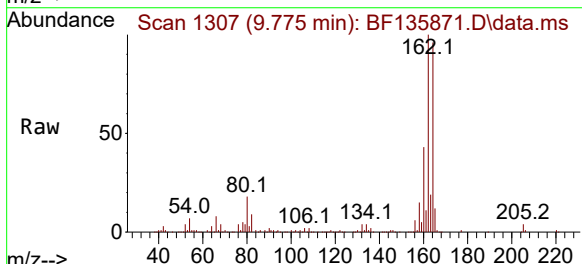
Tgt Ion:165 Resp: 14921

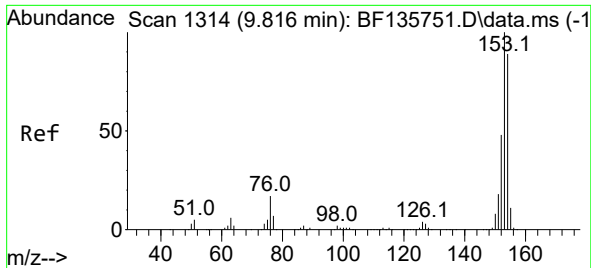
Ion Ratio Lower Upper

165 100

63 2.5 62.2 93.4#

89 1.9 49.6 74.4#

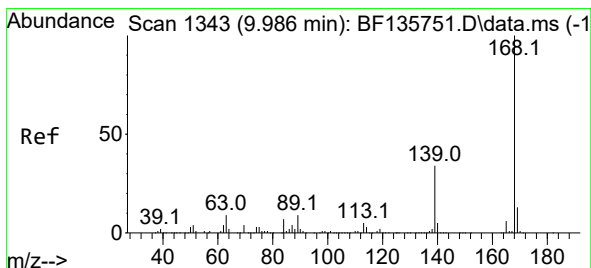
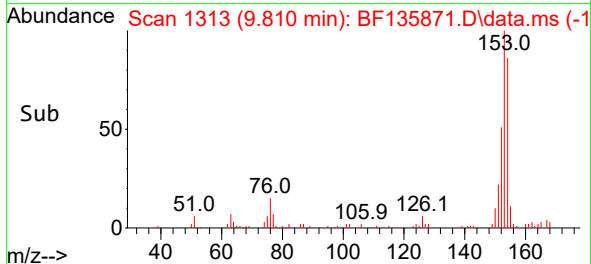
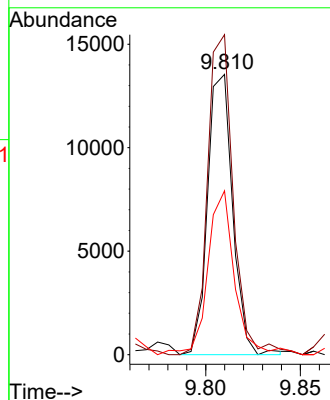
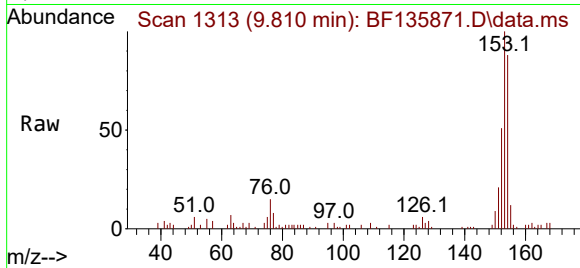




#52
Acenaphthene
Concen: 2.119 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

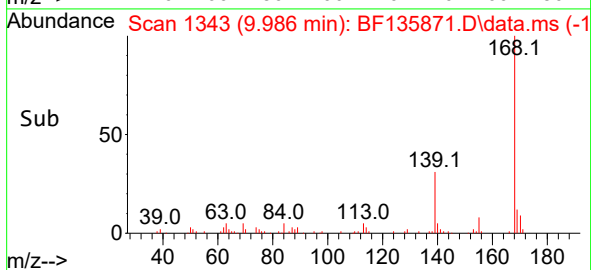
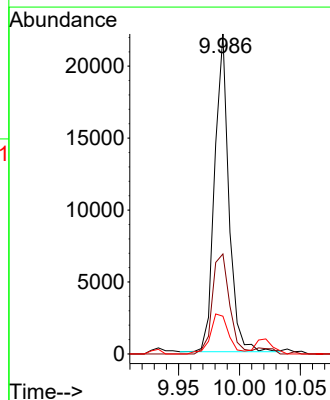
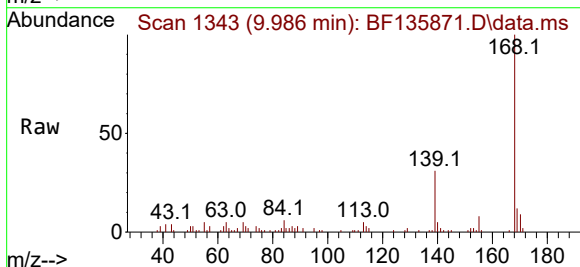
Instrument :
BNA_F
ClientSampleId :
WC-1

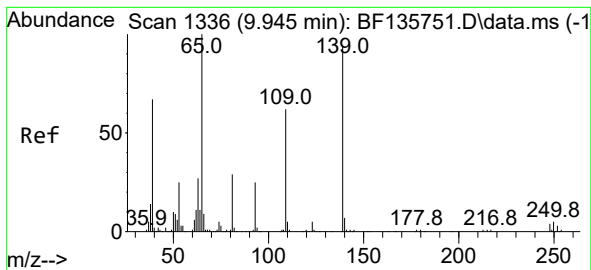
Tgt Ion:154 Resp: 12501
Ion Ratio Lower Upper
154 100
153 114.1 90.1 135.1
152 58.4 43.1 64.7



#55
Dibenzofuran
Concen: 2.021 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion:168 Resp: 17983
Ion Ratio Lower Upper
168 100
139 31.3 31.0 46.4
169 11.8 10.7 16.1

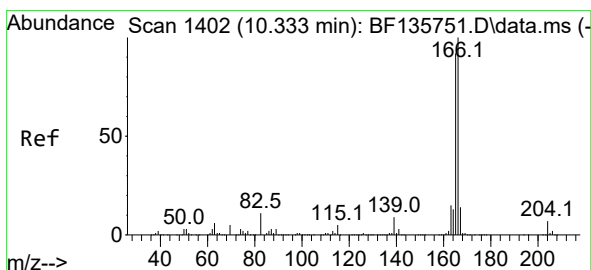
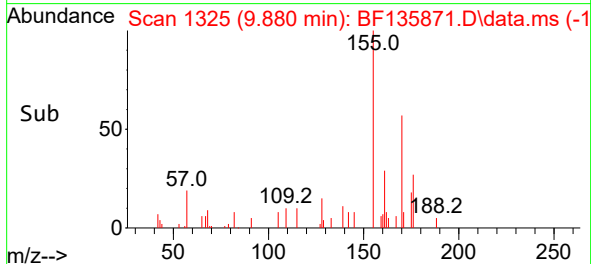
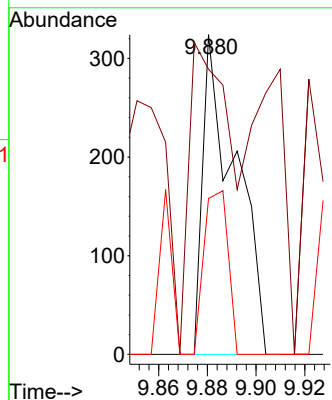
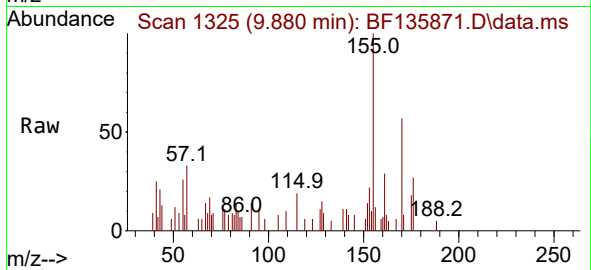




#56
4-Nitrophenol
Concen: 5.813 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.065 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

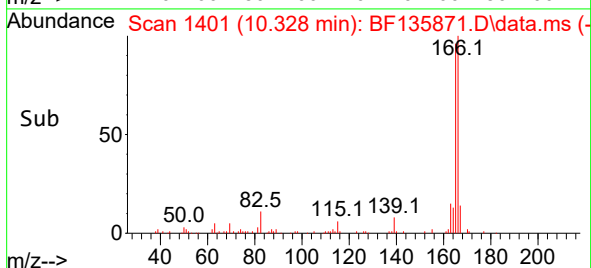
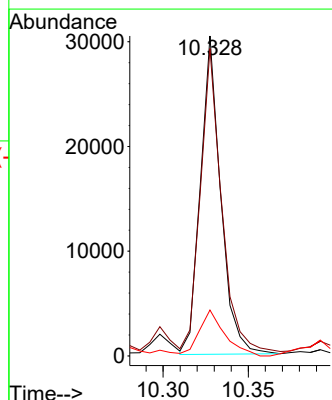
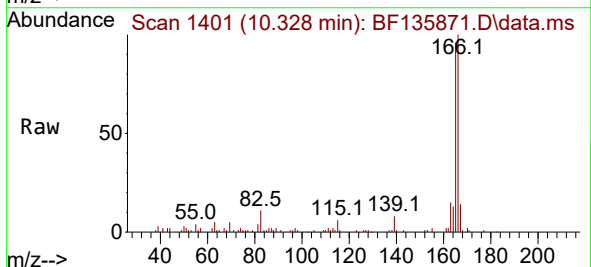
Instrument :
BNA_F
ClientSampleId :
WC-1

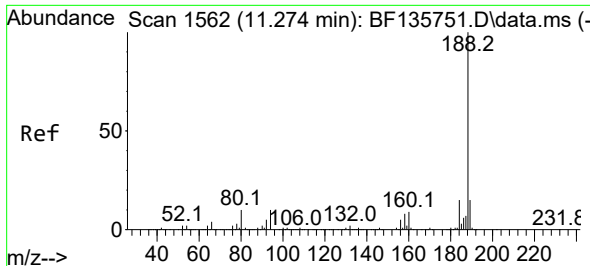
Tgt Ion:139 Resp: 302
Ion Ratio Lower Upper
139 100
109 89.2 45.6 85.6#
65 48.8 87.5 127.5#



#58
Fluorene
Concen: 3.626 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion:166 Resp: 25264
Ion Ratio Lower Upper
166 100
165 96.1 73.4 110.0
167 14.4 11.0 16.6

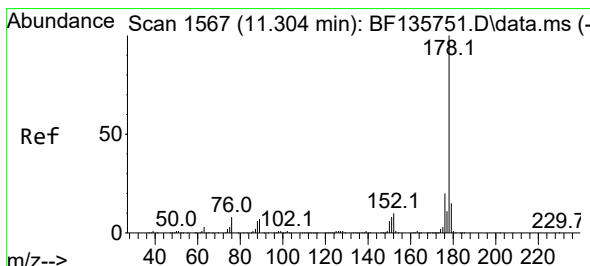
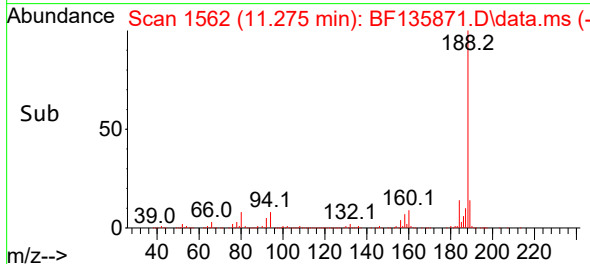
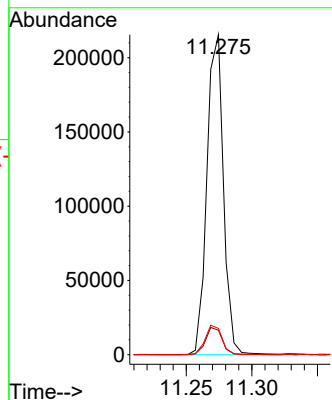
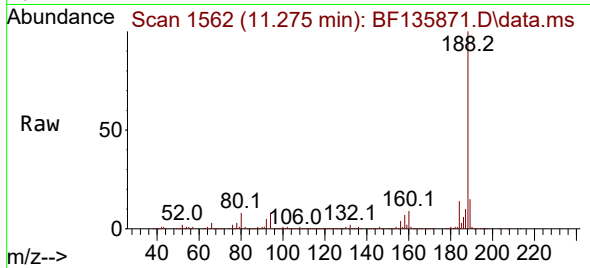




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

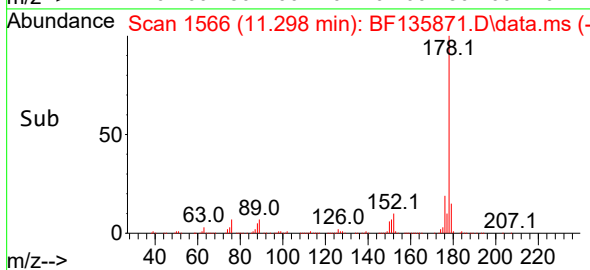
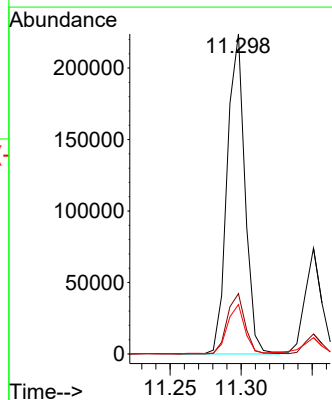
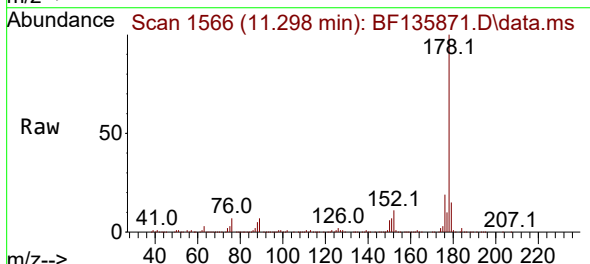
Instrument :
BNA_F
ClientSampleId :
WC-1

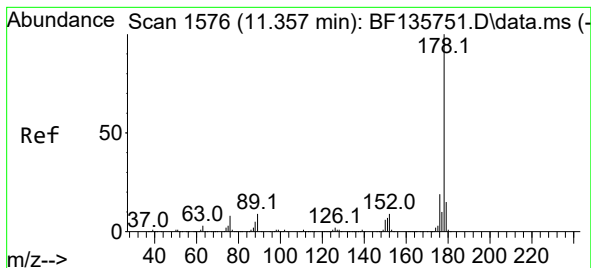
Tgt Ion:188 Resp: 189596
Ion Ratio Lower Upper
188 100
94 7.7 8.0 12.0#
80 8.2 8.3 12.5#



#71
Phenanthrene
Concen: 21.385 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion:178 Resp: 194227
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.5 12.2 18.4





#72

Anthracene

Concen: 6.129 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

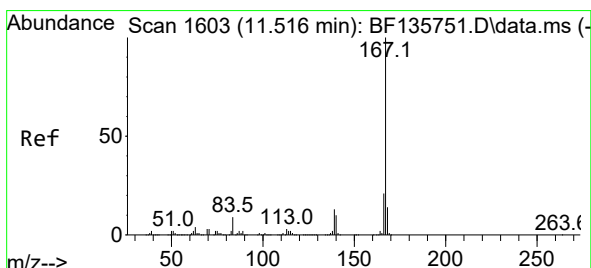
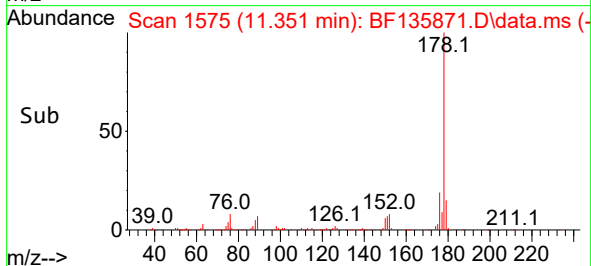
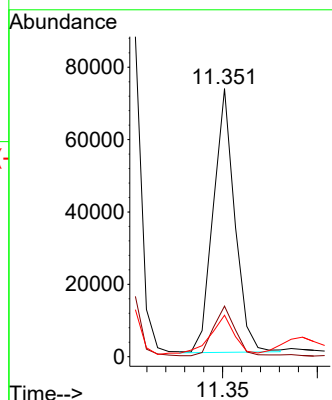
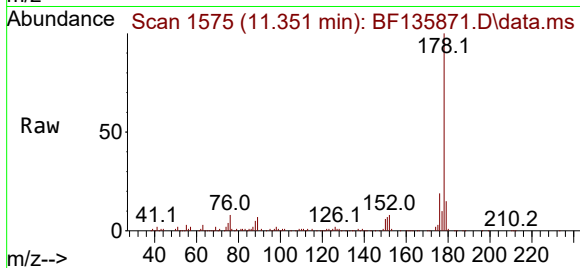
Tgt Ion:178 Resp: 57683

Ion Ratio Lower Upper

178 100

176 18.9 15.1 22.7

179 15.5 12.3 18.5



#73

Carbazole

Concen: 2.413 ng

RT: 11.522 min Scan# 1604

Delta R.T. -0.000 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

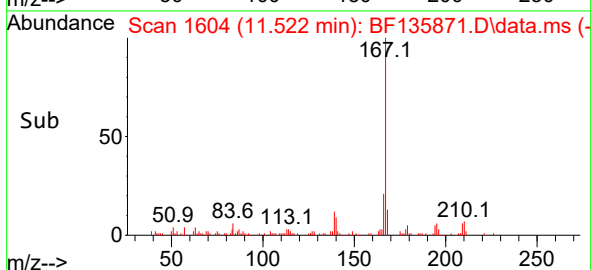
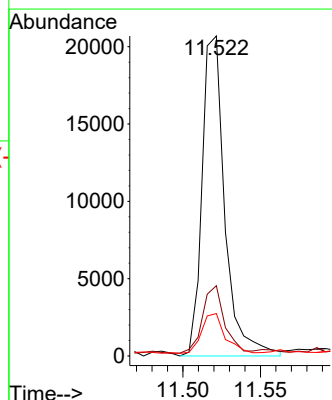
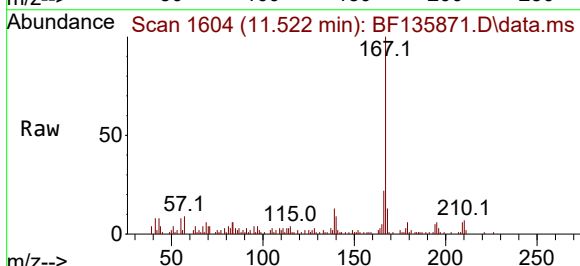
Tgt Ion:167 Resp: 21180

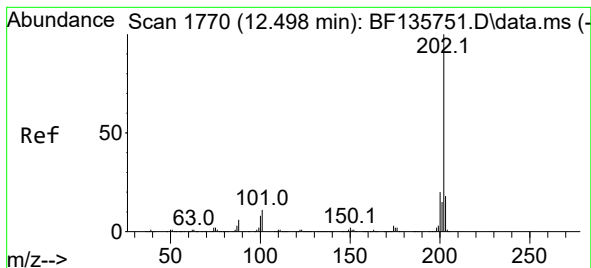
Ion Ratio Lower Upper

167 100

166 21.9 17.1 25.7

139 13.2 10.2 15.4





#75

Fluoranthene

Concen: 30.033 ng

RT: 12.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

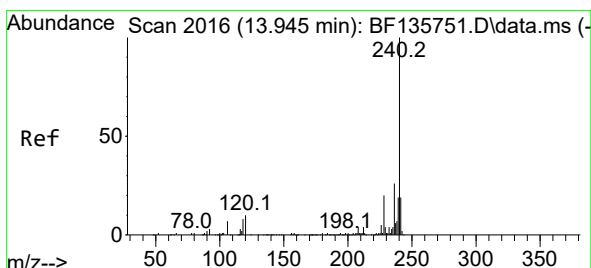
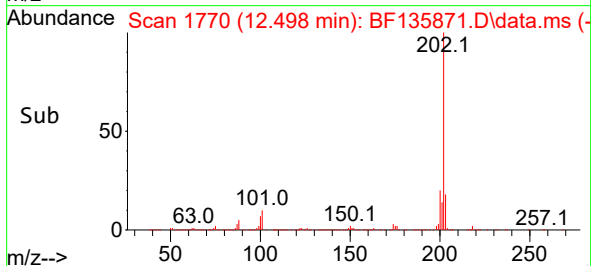
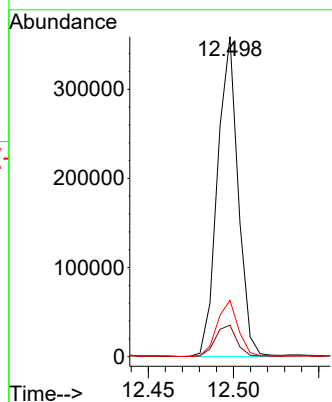
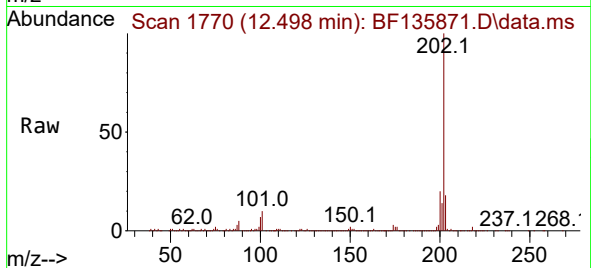
Tgt Ion:202 Resp: 302747

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.5

203 17.6 0.0 38.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

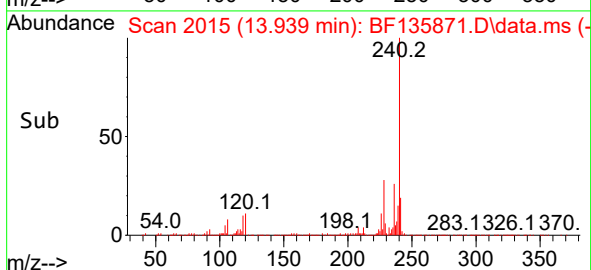
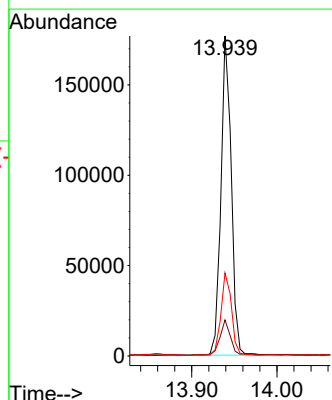
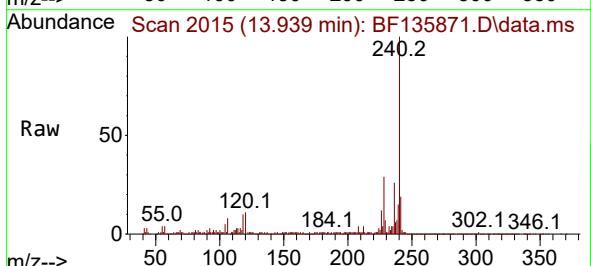
Tgt Ion:240 Resp: 148424

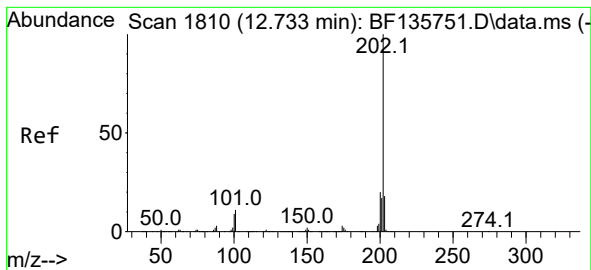
Ion Ratio Lower Upper

240 100

120 11.3 8.2 12.2

236 26.0 21.2 31.8





#78

Pyrene

Concen: 26.151 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

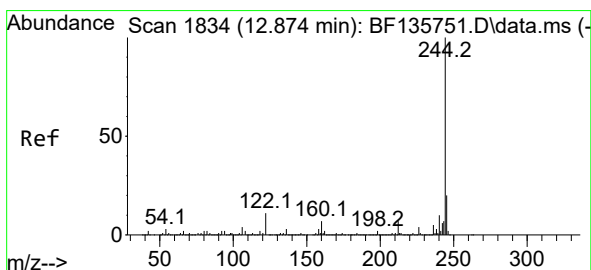
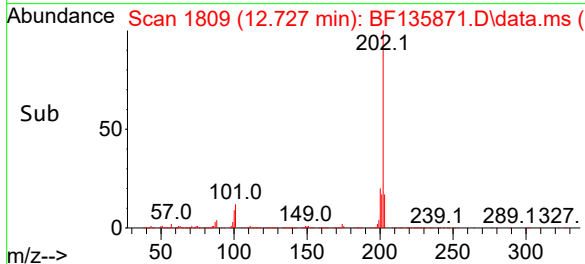
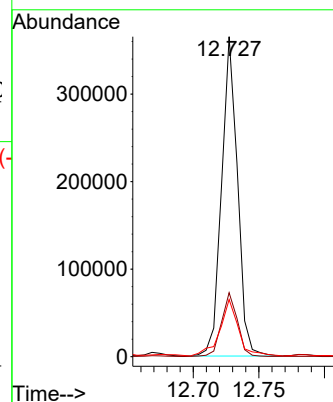
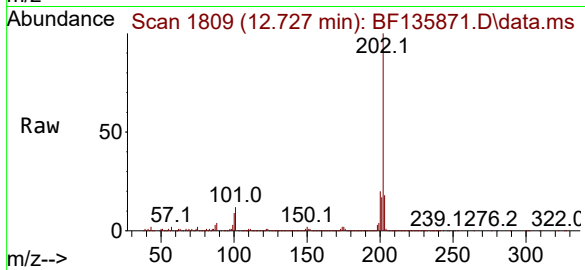
Tgt Ion:202 Resp: 308441

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 40.991 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

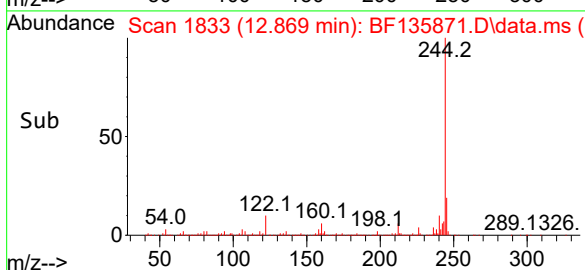
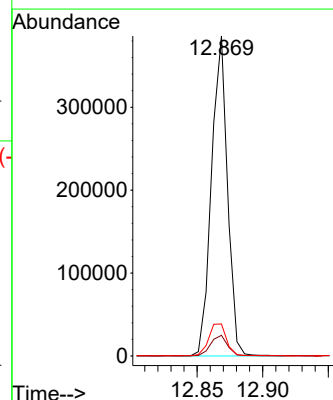
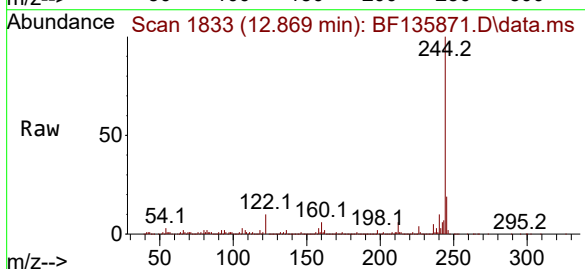
Tgt Ion:244 Resp: 328532

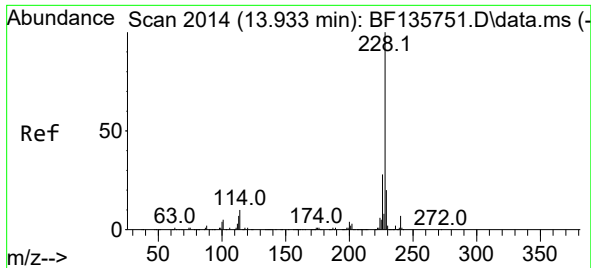
Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 10.0 9.0 13.6

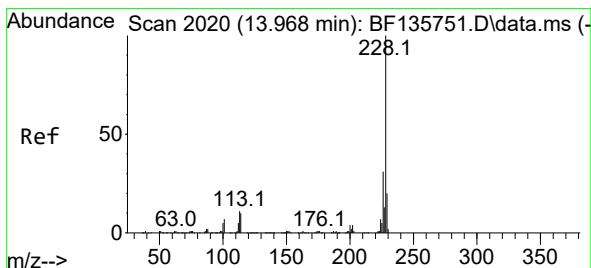
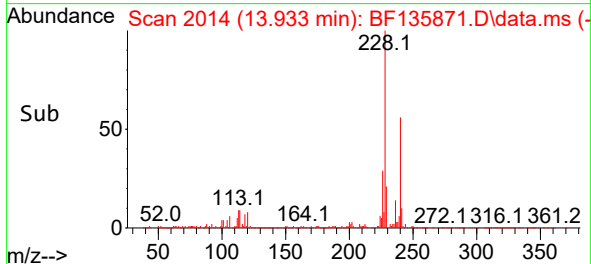
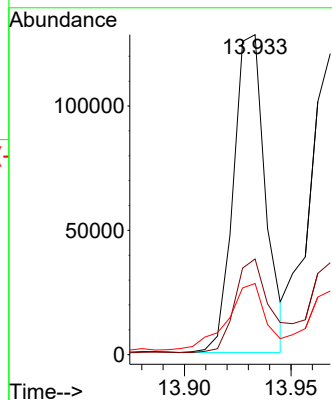
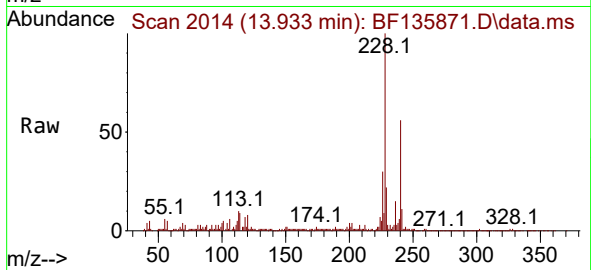




#81
Benzo(a)anthracene
Concen: 13.691 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

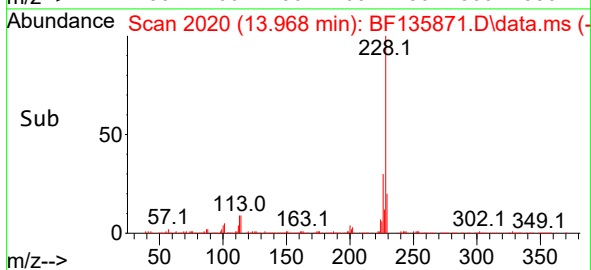
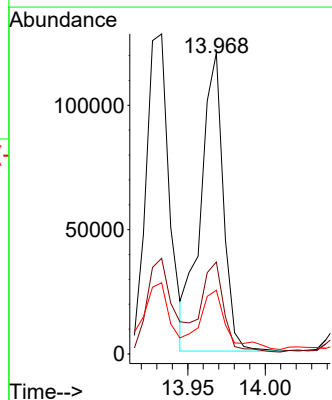
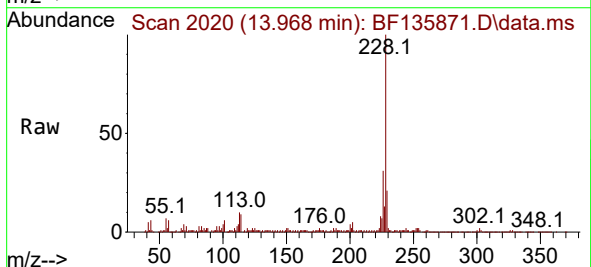
Instrument :
BNA_F
ClientSampleId :
WC-1

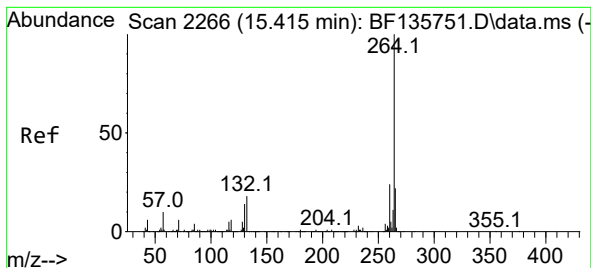
Tgt Ion:228 Resp: 133475
Ion Ratio Lower Upper
228 100
226 29.9 22.2 33.2
229 22.3 16.1 24.1



#83
Chrysene
Concen: 12.949 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135871.D
Acq: 19 Oct 2023 03:29

Tgt Ion:228 Resp: 122275
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 21.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

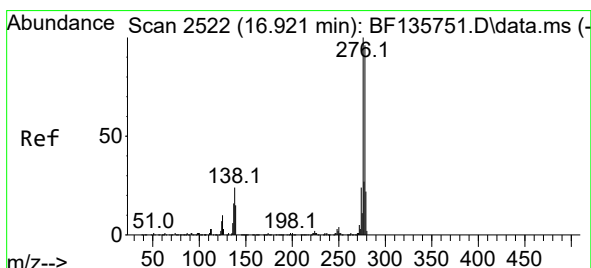
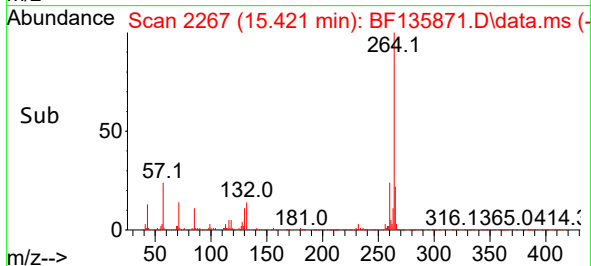
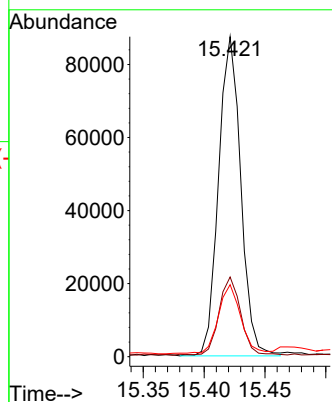
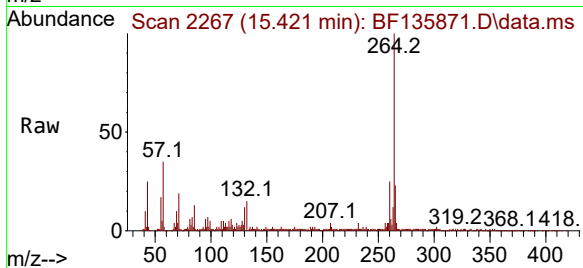
Tgt Ion:264 Resp: 111216

Ion Ratio Lower Upper

264 100

260 24.9 19.2 28.8

265 22.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.938 ng

RT: 16.939 min Scan# 2525

Delta R.T. 0.006 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

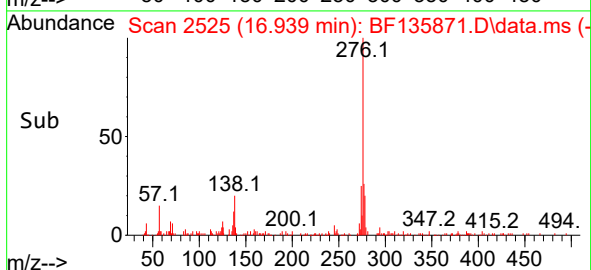
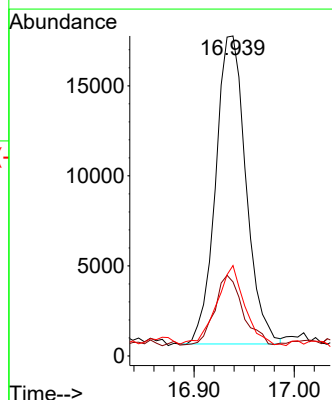
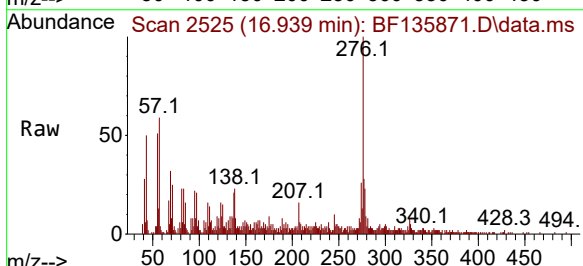
Tgt Ion:276 Resp: 35981

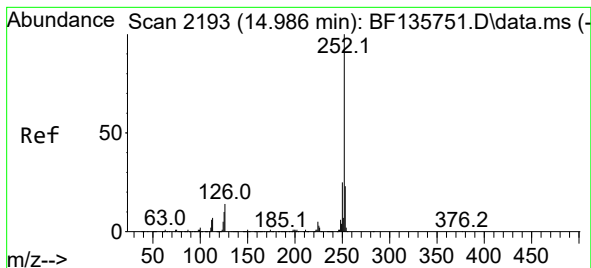
Ion Ratio Lower Upper

276 100

138 21.4 19.8 29.6

277 24.4 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 20.742 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

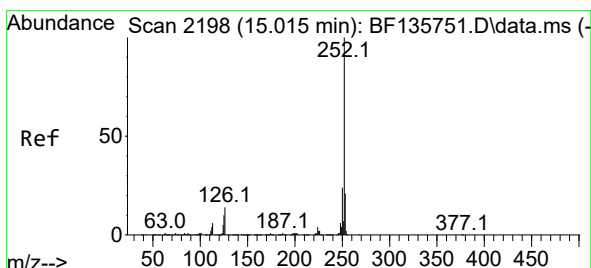
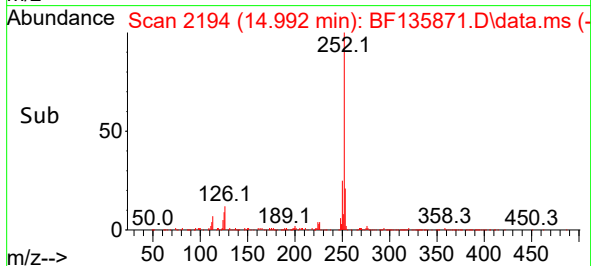
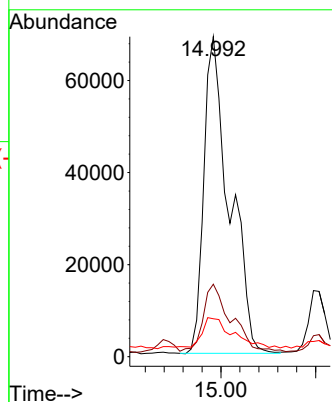
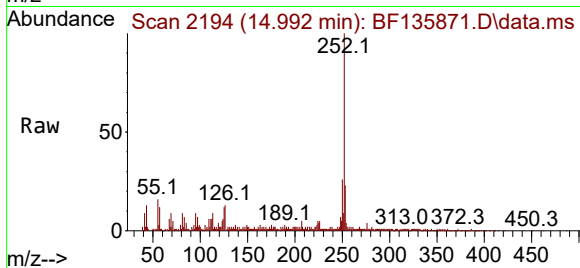
Tgt Ion:252 Resp: 129109

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

125 11.9 8.2 12.2



#89

Benzo(k)fluoranthene

Concen: 21.365 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.030 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

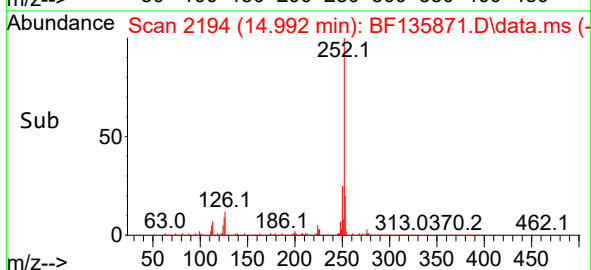
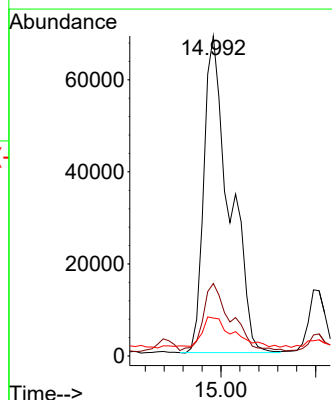
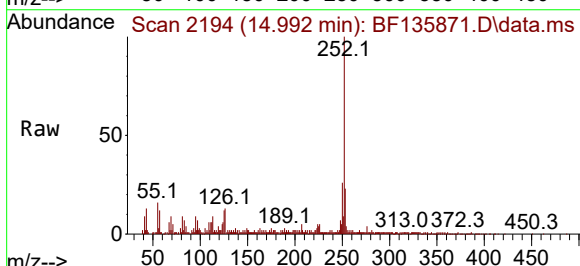
Tgt Ion:252 Resp: 129109

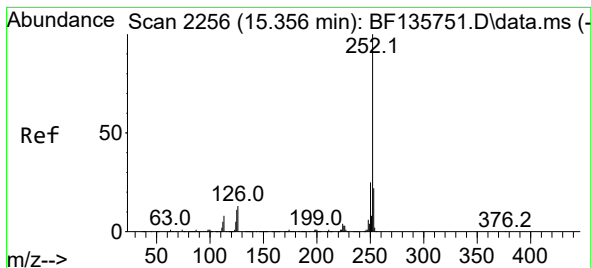
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 11.9 8.3 12.5





#90

Benzo(a)pyrene

Concen: 12.085 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Instrument :

BNA_F

ClientSampleId :

WC-1

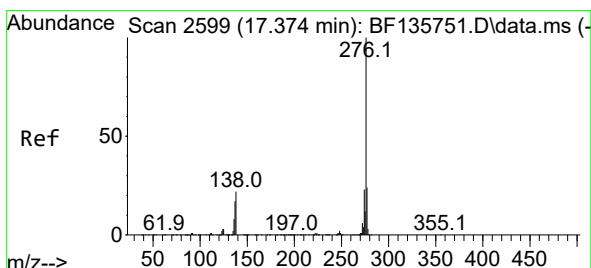
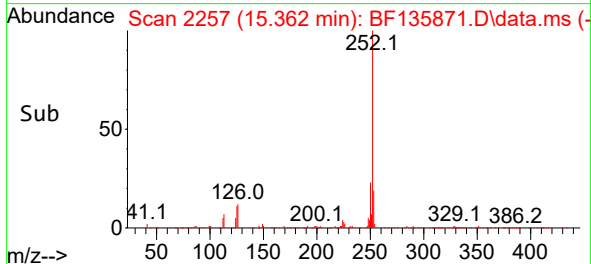
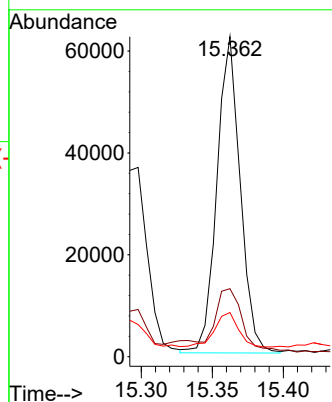
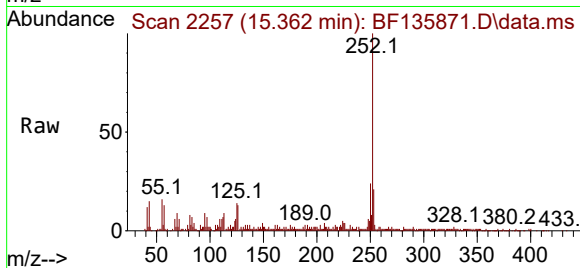
Tgt Ion:252 Resp: 70734

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.2

125 13.8 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 6.875 ng

RT: 17.398 min Scan# 2603

Delta R.T. 0.012 min

Lab File: BF135871.D

Acq: 19 Oct 2023 03:29

Tgt Ion:276 Resp: 35083

Ion Ratio Lower Upper

276 100

277 30.2 19.4 29.2#

138 33.2 17.3 25.9#

