

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135744.D
 Acq On : 12 Oct 2023 20:05
 Operator : CG\JU
 Sample : 04808-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-100623DL

Quant Time: Oct 13 00:58:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

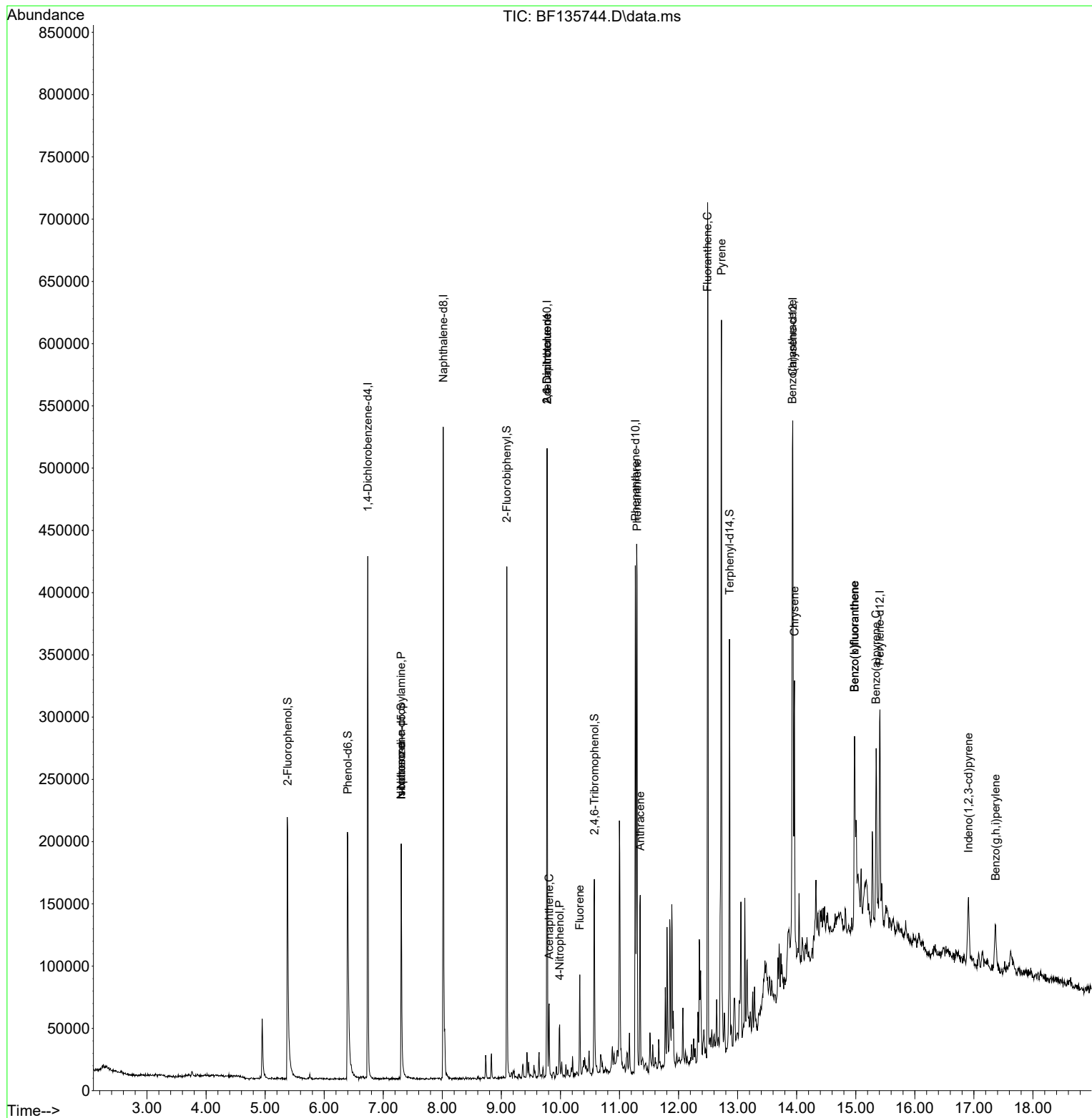
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	60797	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	216029	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	91329	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	150506	20.000	ng	0.00
76) Chrysene-d12	13.933	240	105389	20.000	ng	0.00
86) Perylene-d12	15.410	264	81082	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	83163	22.248	ng	0.01
7) Phenol-d6	6.398	99	104160	21.914	ng	0.00
23) Nitrobenzene-d5	7.304	82	59853	15.053	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	17531	19.316	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	115153	19.023	ng	0.00
79) Terphenyl-d14	12.863	244	101045	14.863	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	7897	2.682	ng	# 82
25) Isophorone	7.304	82	59853	8.197	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	12117	8.958	ng	# 17
52) Acenaphthene	9.810	154	12986	2.597	ng	99
56) 4-Nitrophenol	9.986	139	6346	6.288	ng	# 4
57) 2,4-Dinitrotoluene	9.775	165	12117	7.155	ng	# 19
58) Fluorene	10.328	166	22162	3.779	ng	# 95
71) Phenanthrene	11.298	178	162454	22.822	ng	98
72) Anthracene	11.351	178	60419	8.258	ng	96
75) Fluoranthene	12.492	202	285508	38.493	ng	99
78) Pyrene	12.727	202	247031	24.620	ng	100
81) Benzo(a)anthracene	13.927	228	109495	16.090	ng	98
83) Chrysene	13.963	228	89377	13.210	ng	97
87) Indeno(1,2,3-cd)pyrene	16.909	276	32311	6.078	ng	97
88) Benzo(b)fluoranthene	14.980	252	113286	25.810	ng	# 97
89) Benzo(k)fluoranthene	14.980	252	113286	26.128	ng	# 98
90) Benzo(a)pyrene	15.345	252	60793	14.524	ng	97
92) Benzo(g,h,i)perylene	17.368	276	30237	6.656	ng	93

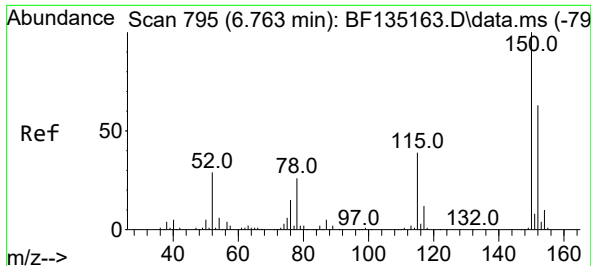
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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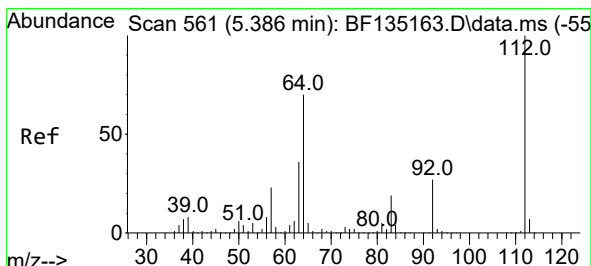
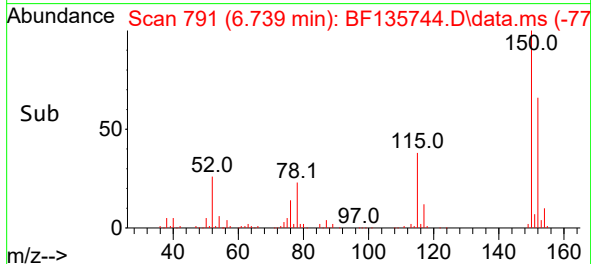
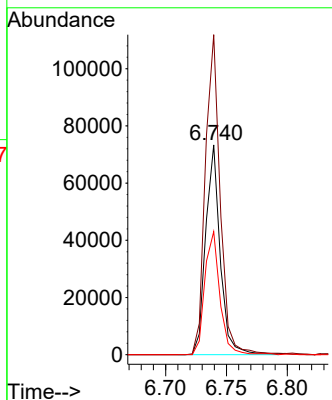
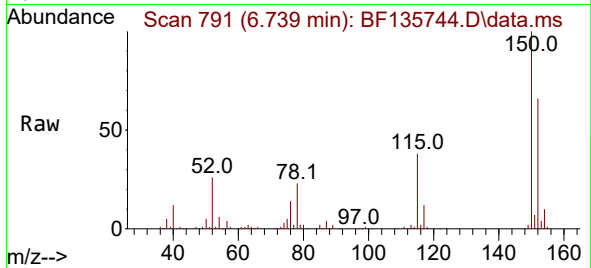




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

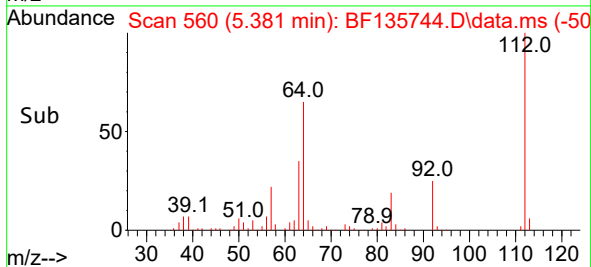
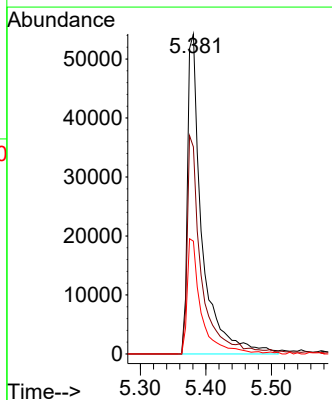
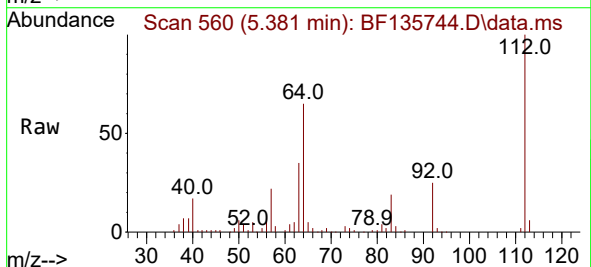
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

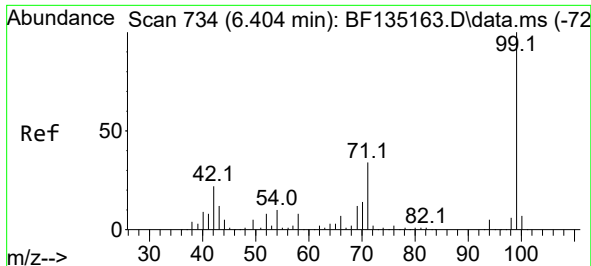
Tgt Ion:152 Resp: 60797
Ion Ratio Lower Upper
152 100
150 152.6 127.8 191.6
115 58.6 49.8 74.8



#5
2-Fluorophenol
Concen: 22.248 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Tgt Ion:112 Resp: 83163
Ion Ratio Lower Upper
112 100
64 64.7 55.9 83.9
63 35.2 29.0 43.6

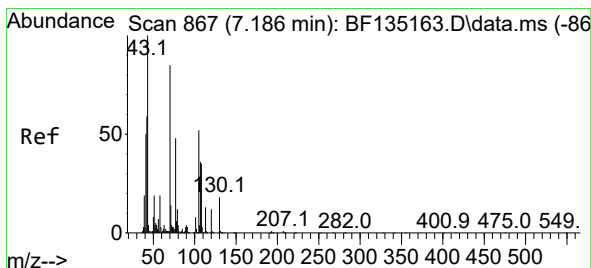
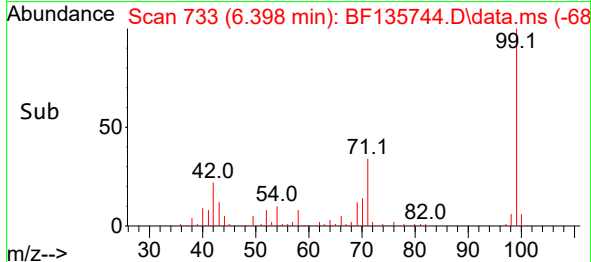
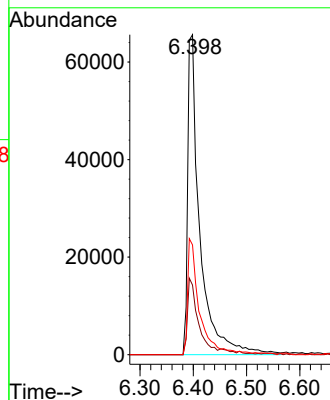
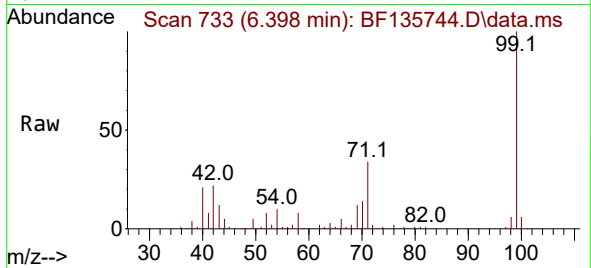




#7
Phenol-d6
Concen: 21.914 ng
RT: 6.398 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

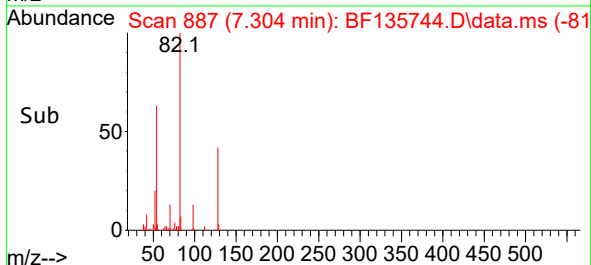
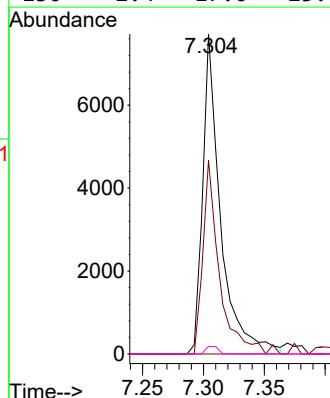
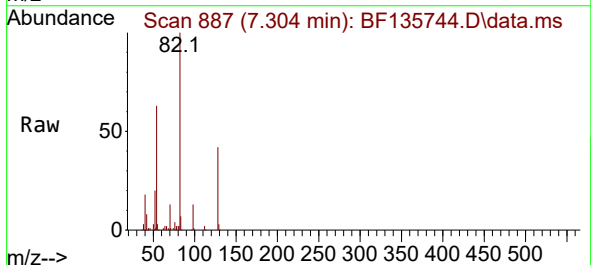
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

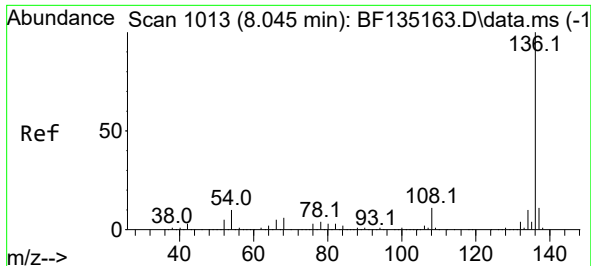
Tgt Ion: 99 Resp: 104160
Ion Ratio Lower Upper
99 100
42 21.7 17.9 26.9
71 34.3 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 2.682 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

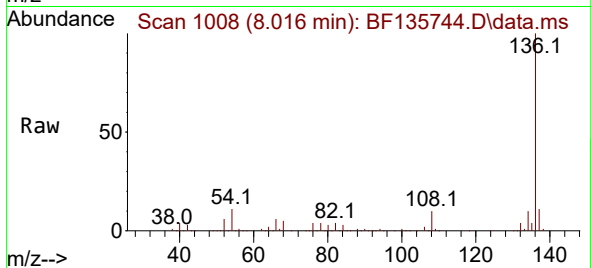
Tgt Ion: 70 Resp: 7897
Ion Ratio Lower Upper
70 100
42 60.6 55.4 83.0
101 0.0 7.7 11.5#
130 2.4 17.0 25.6#



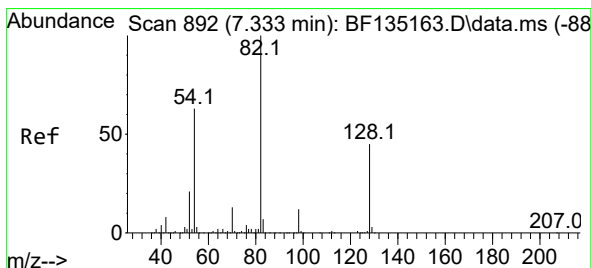
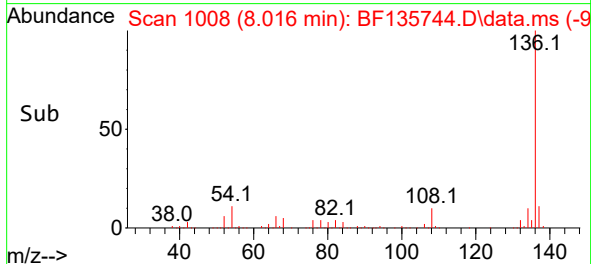
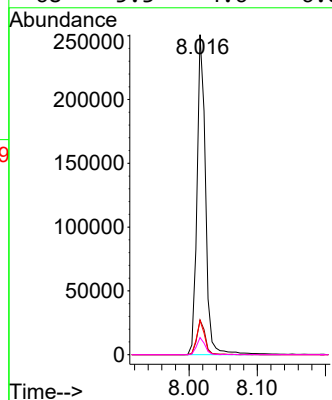


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

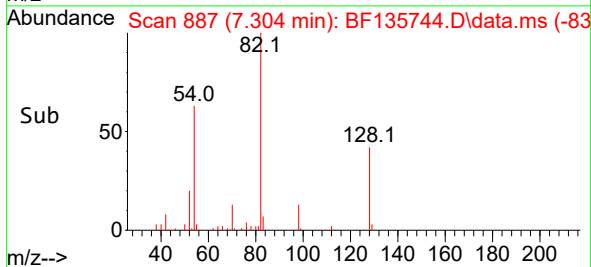
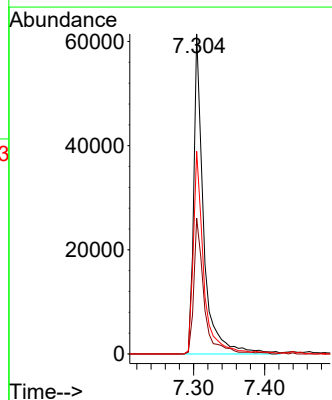
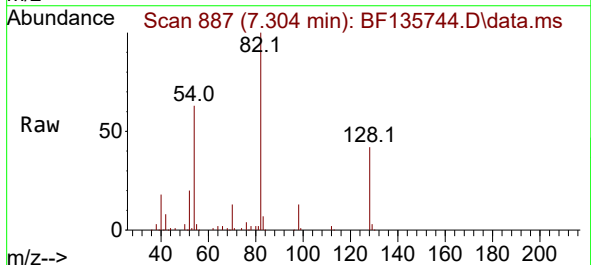


Tgt Ion:136 Resp: 216029
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.7 7.7 11.5
68 5.3 4.6 6.8



#23
Nitrobenzene-d5
Concen: 15.053 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Tgt Ion: 82 Resp: 59853
Ion Ratio Lower Upper
82 100
128 42.4 35.8 53.6
54 63.3 50.6 76.0

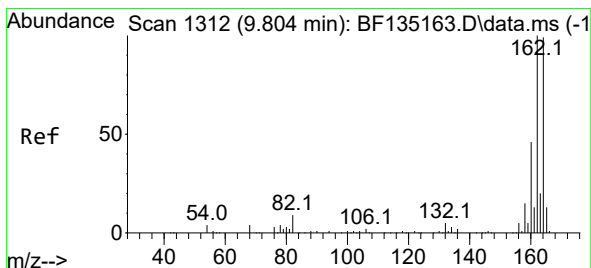
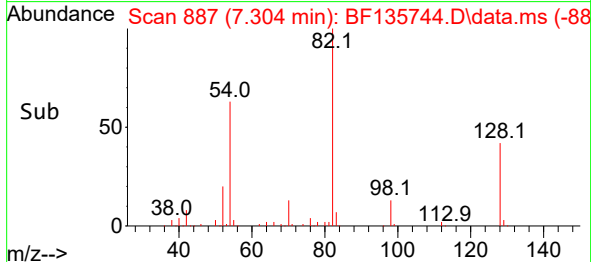
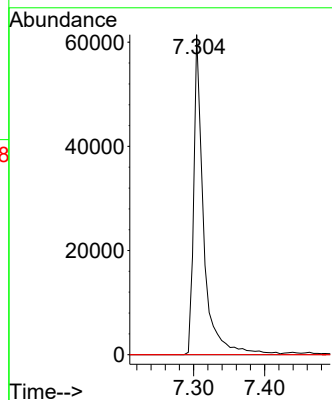
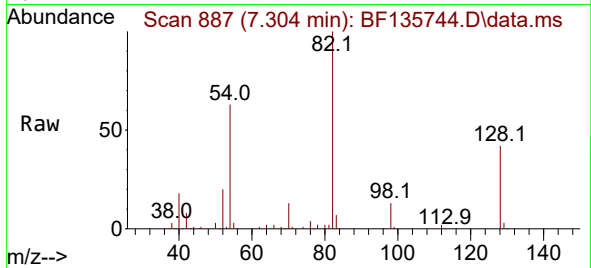




#25
Isophorone
Concen: 8.197 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

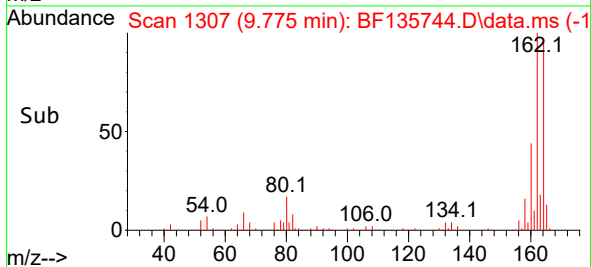
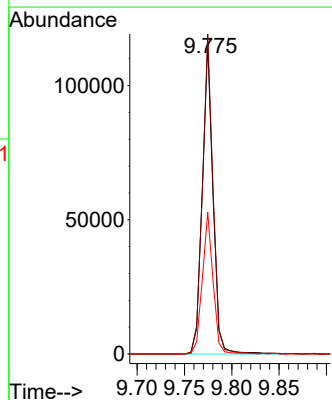
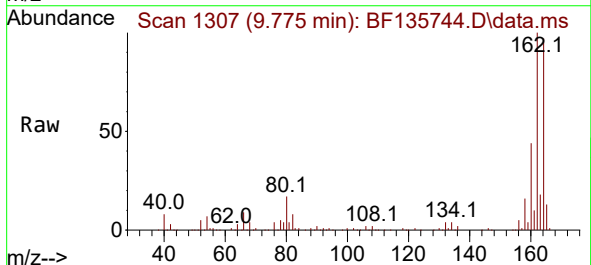
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

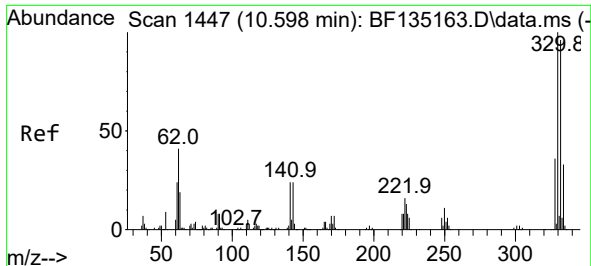
Tgt Ion: 82 Resp: 59853
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

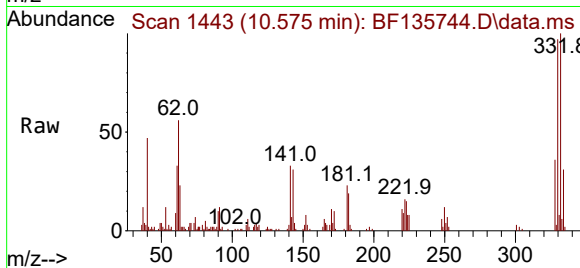
Tgt Ion:164 Resp: 91329
Ion Ratio Lower Upper
164 100
162 103.2 81.0 121.4
160 45.7 37.0 55.4



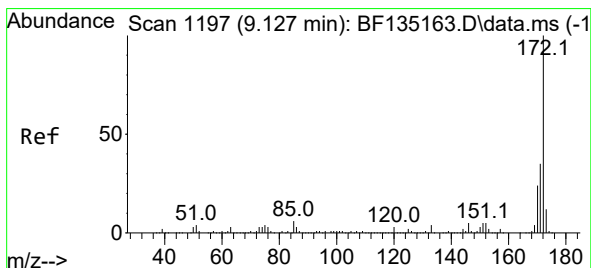
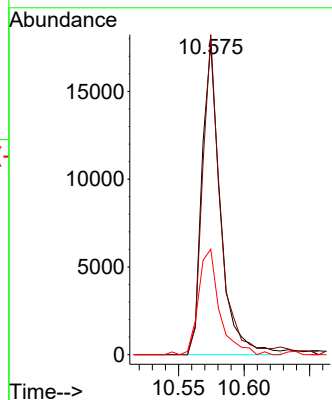
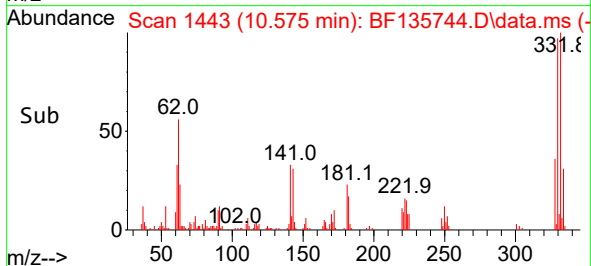


#42
2,4,6-Tribromophenol
Concen: 19.316 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

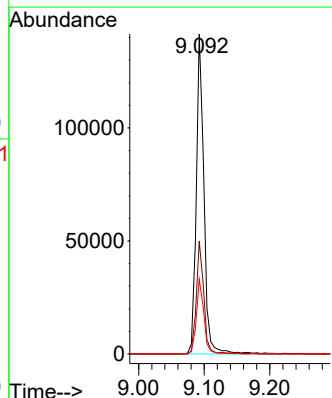
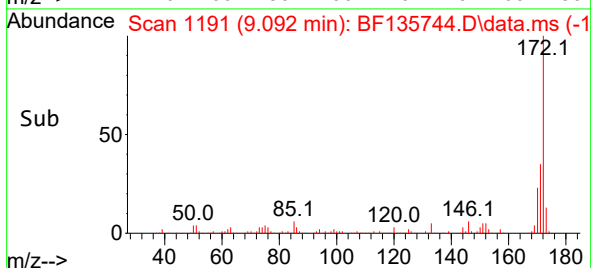
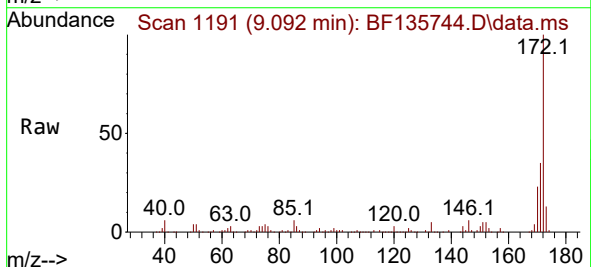


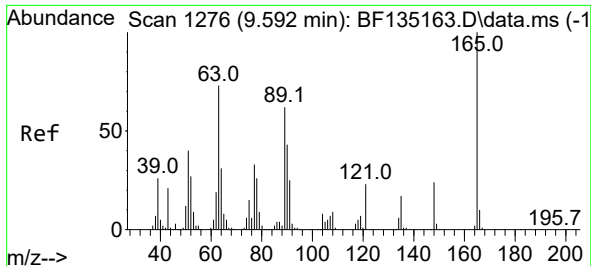
Tgt Ion:330 Resp: 17531
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 38.5 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 19.023 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Tgt Ion:172 Resp: 115153
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.3 19.0 28.4

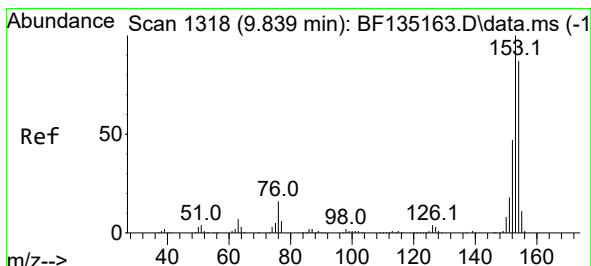
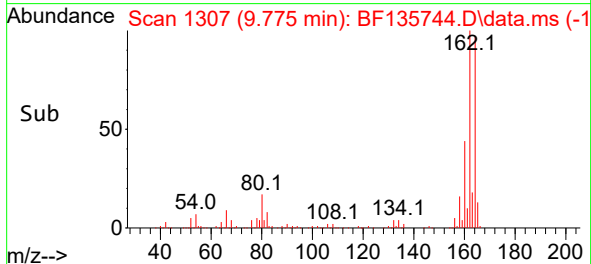
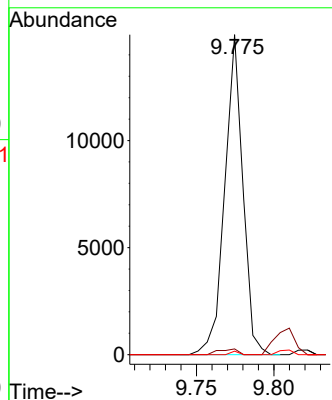
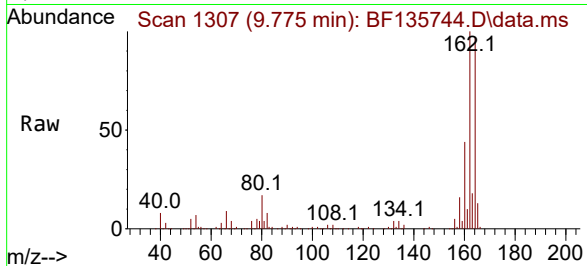




#51
2,6-Dinitrotoluene
Concen: 8.958 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

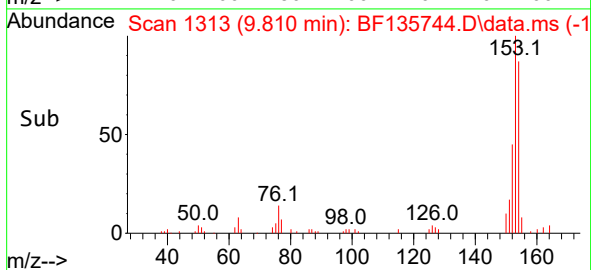
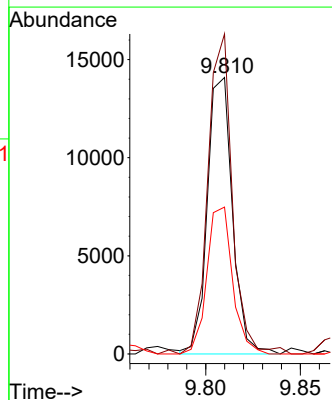
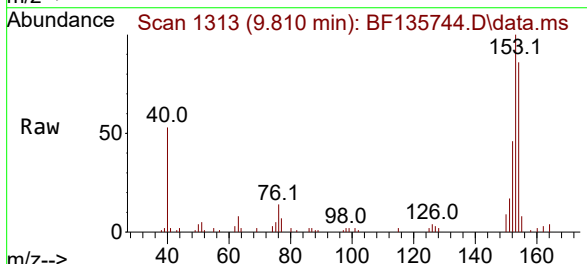
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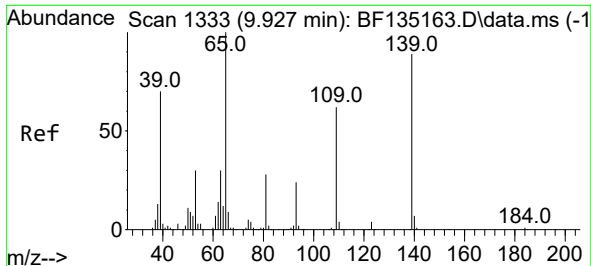
Tgt Ion:165 Resp: 12117
Ion Ratio Lower Upper
165 100
63 1.8 59.4 89.2#
89 1.1 49.8 74.8#



#52
Acenaphthene
Concen: 2.597 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Tgt Ion:154 Resp: 12986
Ion Ratio Lower Upper
154 100
153 115.8 92.1 138.1
152 53.1 43.1 64.7

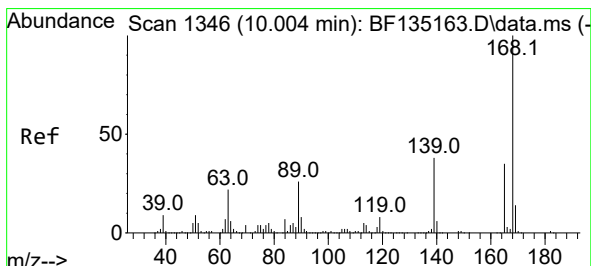
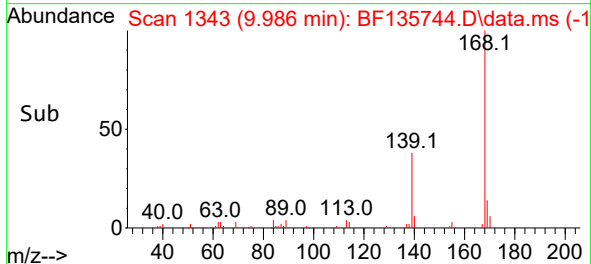
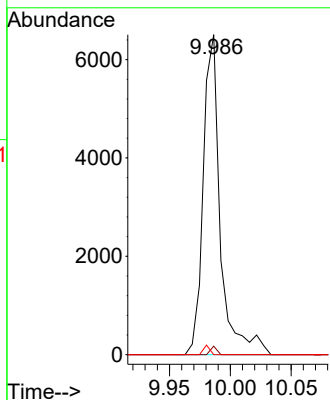
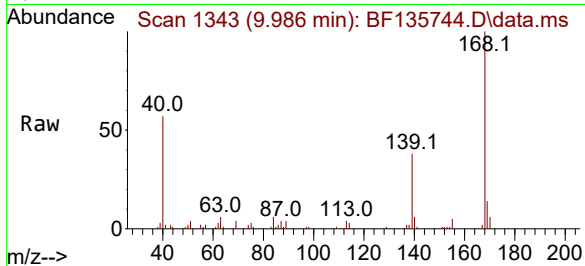




#56
4-Nitrophenol
Concen: 6.288 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

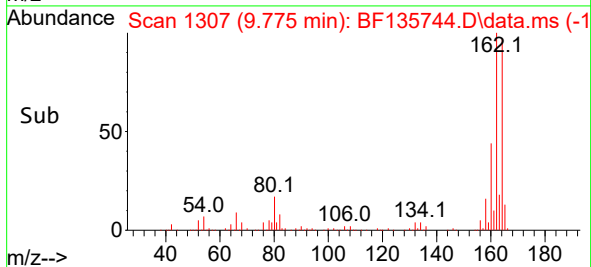
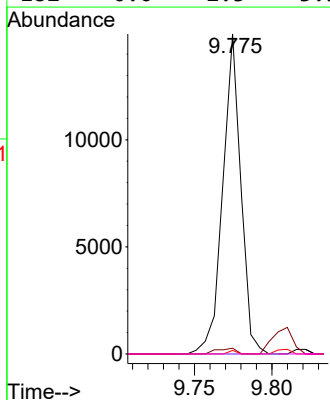
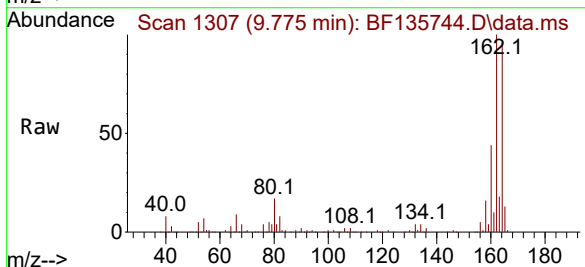
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

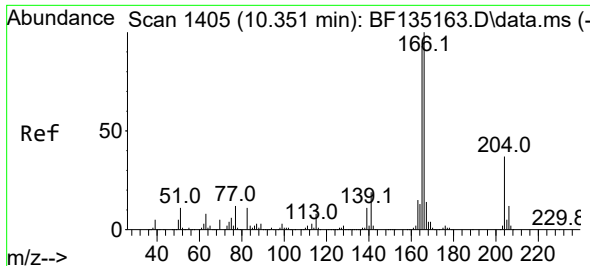
Tgt Ion:139 Resp: 6346
Ion Ratio Lower Upper
139 100
109 2.6 49.8 89.8#
65 0.0 92.7 132.7#



#57
2,4-Dinitrotoluene
Concen: 7.155 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.218 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Tgt Ion:165 Resp: 12117
Ion Ratio Lower Upper
165 100
63 1.8 50.1 75.1#
89 1.1 59.3 88.9#
182 0.0 2.3 3.5#

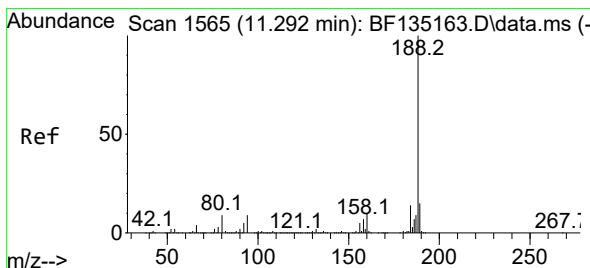
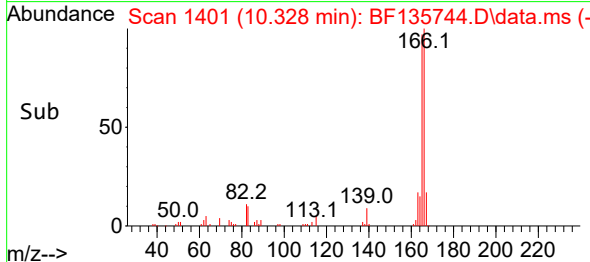
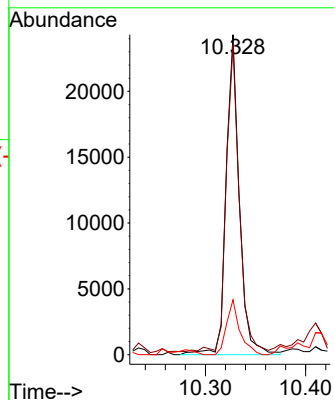
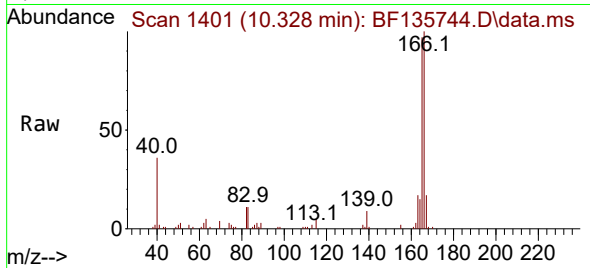




#58
Fluorene
Concen: 3.779 ng
RT: 10.328 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

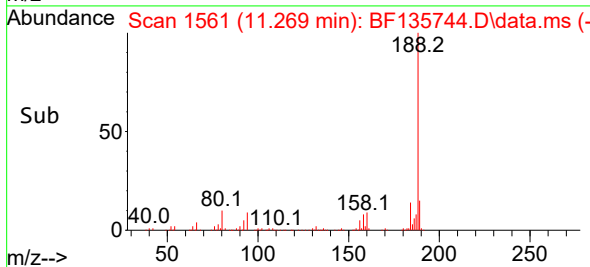
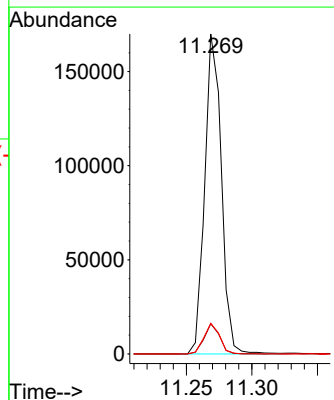
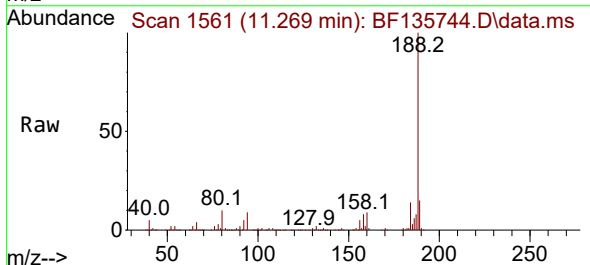
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

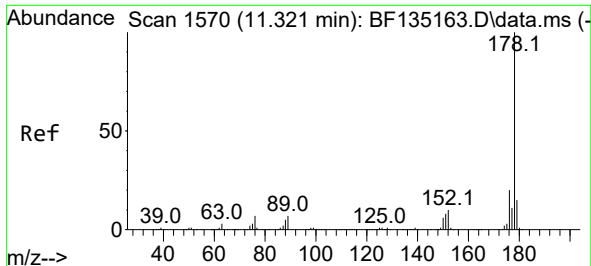
Tgt Ion:166 Resp: 22162
Ion Ratio Lower Upper
166 100
165 96.8 74.3 111.5
167 17.2 10.9 16.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Tgt Ion:188 Resp: 150506
Ion Ratio Lower Upper
188 100
94 9.4 7.0 10.6
80 9.6 7.5 11.3

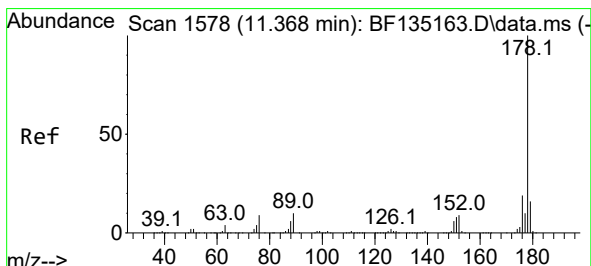
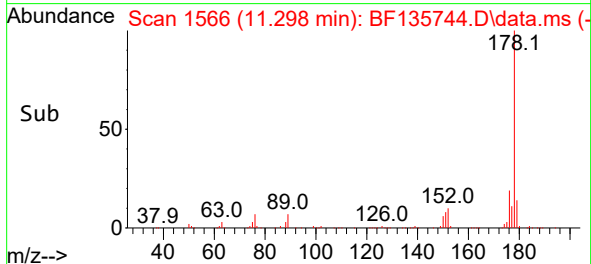
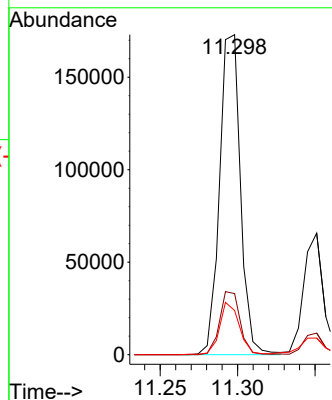
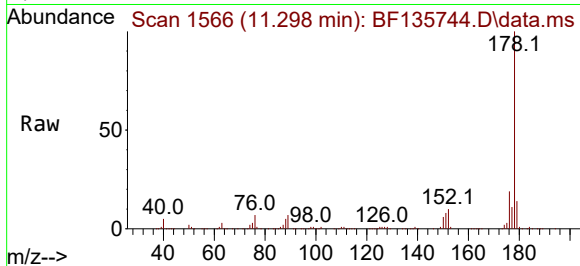




#71
Phenanthrene
Concen: 22.822 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

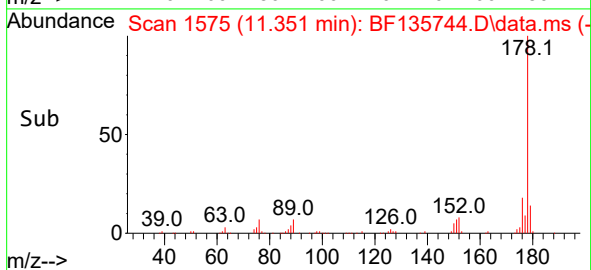
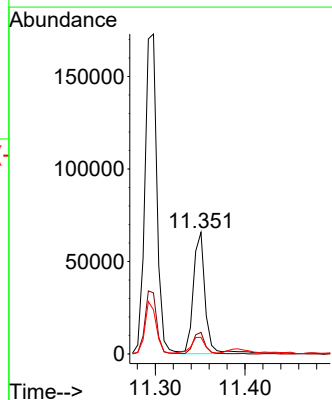
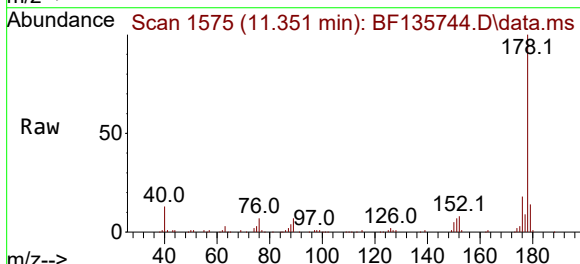
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

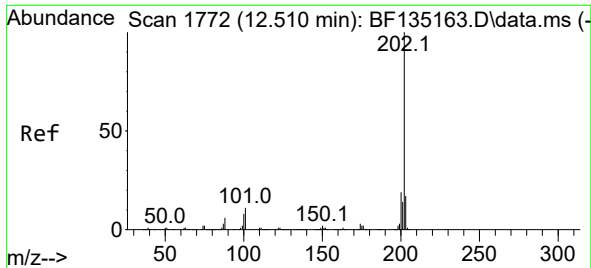
Tgt Ion:178 Resp: 162454
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 13.8 12.0 18.0



#72
Anthracene
Concen: 8.258 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Tgt Ion:178 Resp: 60419
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 13.7 12.6 19.0

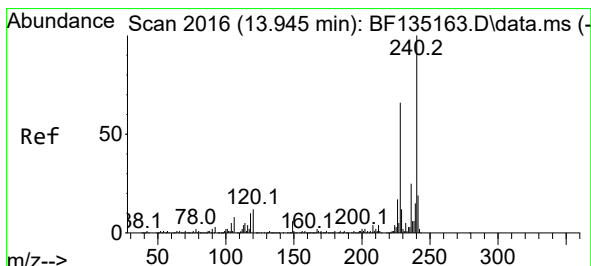
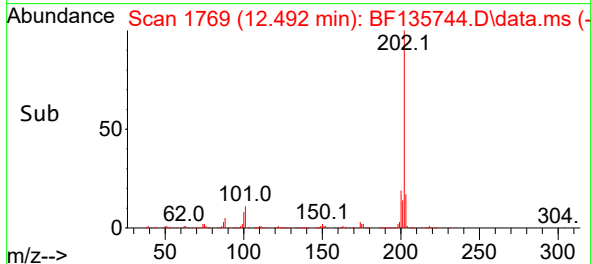
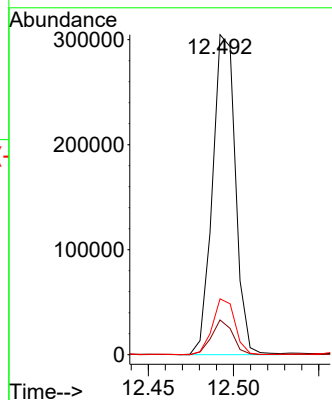
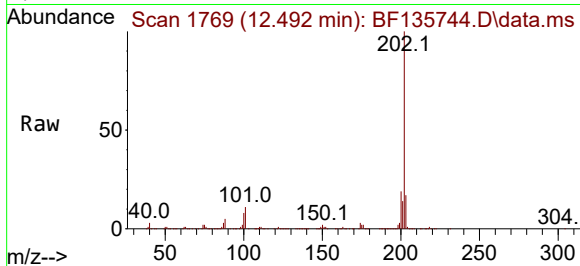




#75
Fluoranthene
Concen: 38.493 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

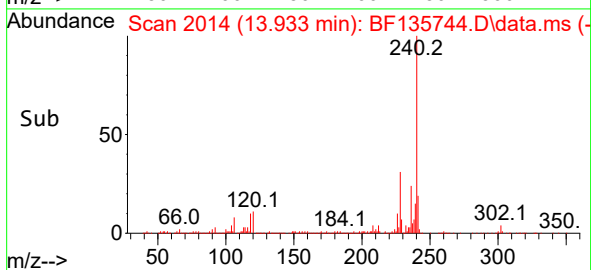
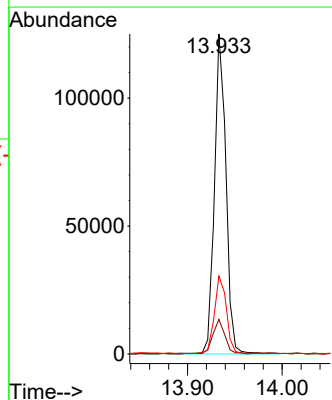
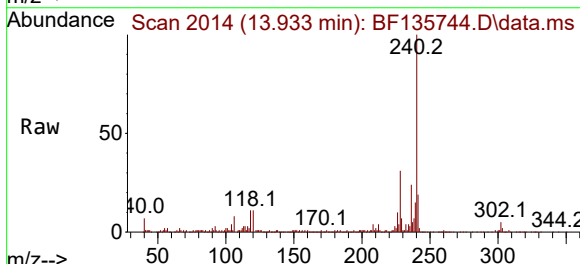
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

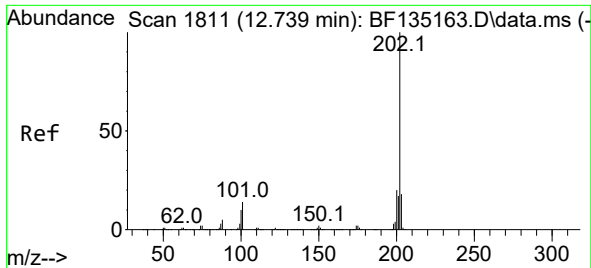
Tgt Ion:202 Resp: 285508
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.3
203 17.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Tgt Ion:240 Resp: 105389
Ion Ratio Lower Upper
240 100
120 10.8 9.4 14.2
236 24.3 19.8 29.8

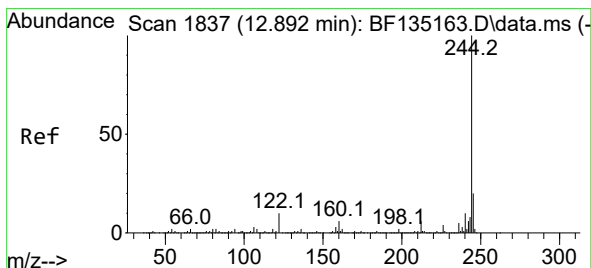
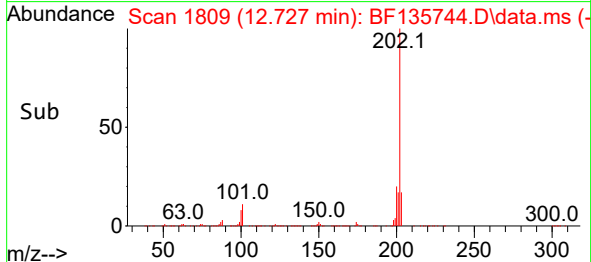
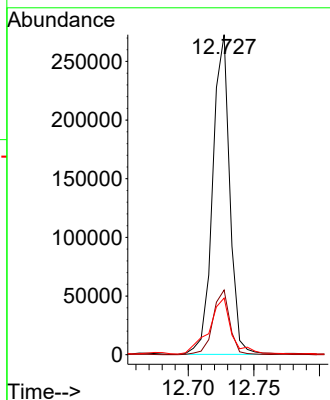
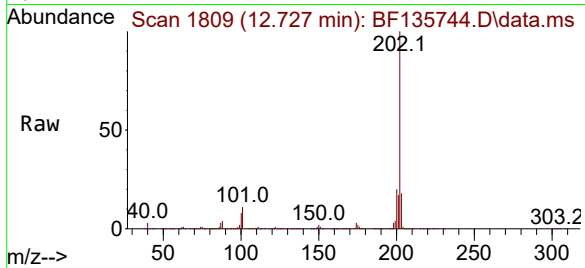




#78
 Pyrene
 Concen: 24.620 ng
 RT: 12.727 min Scan# 1809
 Delta R.T. 0.000 min
 Lab File: BF135744.D
 Acq: 12 Oct 2023 20:05

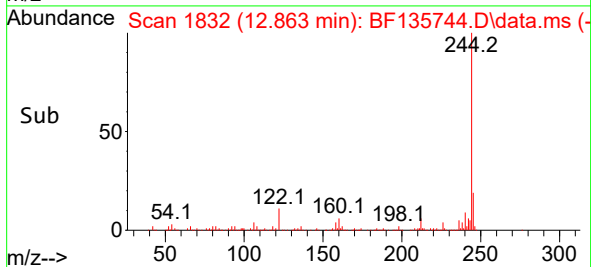
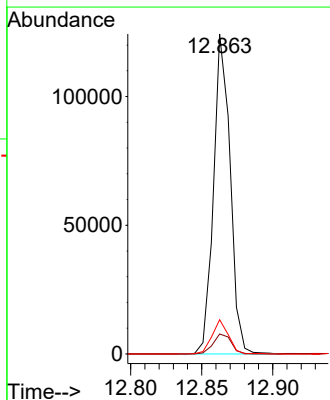
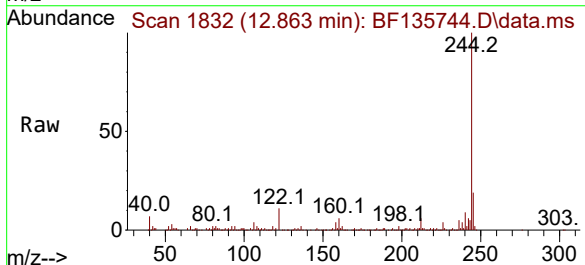
Instrument :
 BNA_F
 ClientSampleId :
 SU-03-100623DL

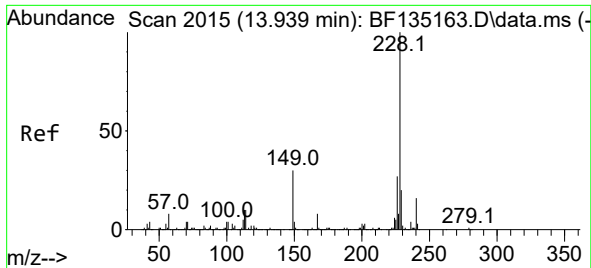
Tgt Ion:202 Resp: 247031
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.2 24.2
 203 17.7 14.2 21.4



#79
 Terphenyl-d14
 Concen: 14.863 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.006 min
 Lab File: BF135744.D
 Acq: 12 Oct 2023 20:05

Tgt Ion:244 Resp: 101045
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 10.7 7.9 11.9

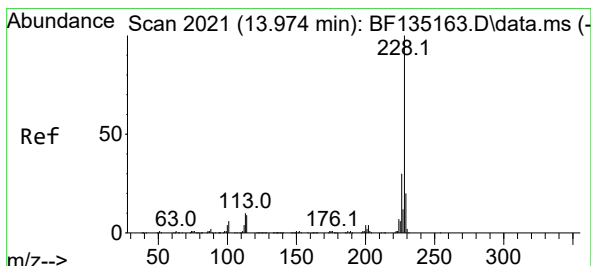
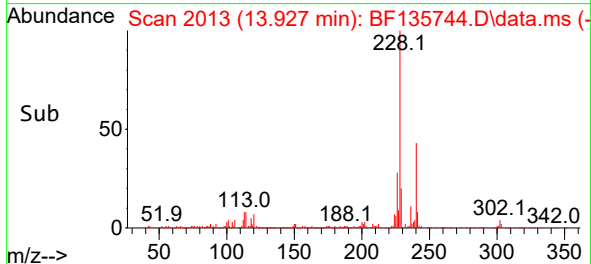
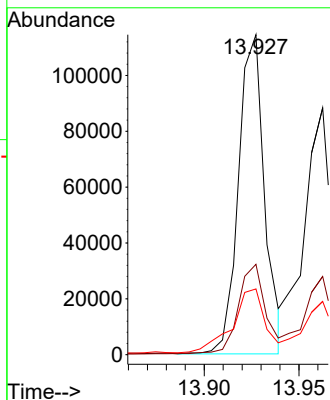
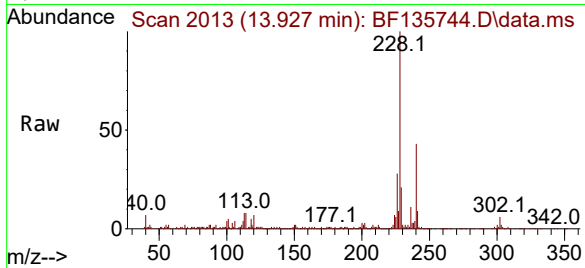




#81
Benzo(a)anthracene
Concen: 16.090 ng
RT: 13.927 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

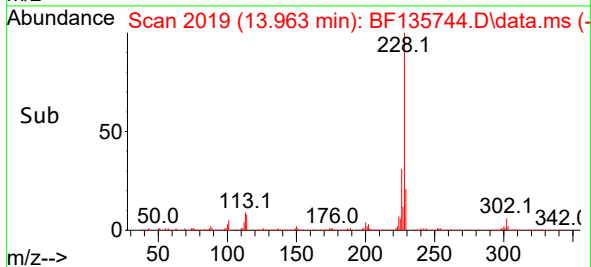
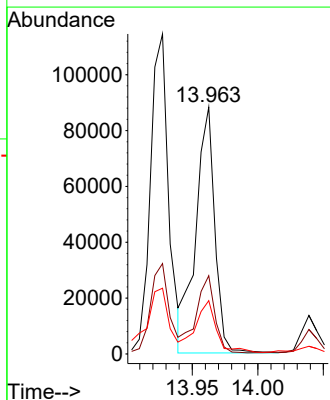
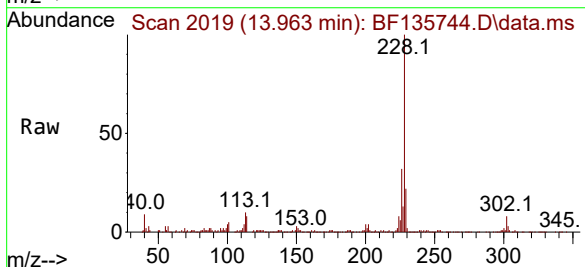
Instrument :
BNA_F
ClientSampleId :
SU-03-100623DL

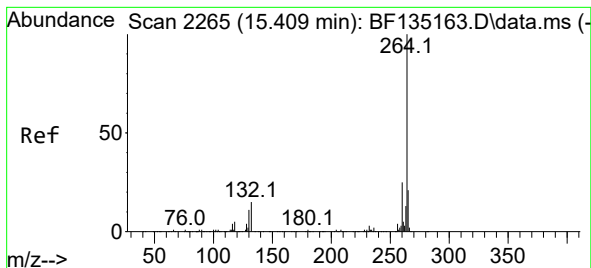
Tgt Ion:228 Resp: 109495
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 20.6 15.8 23.8



#83
Chrysene
Concen: 13.210 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135744.D
Acq: 12 Oct 2023 20:05

Tgt Ion:228 Resp: 89377
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 21.6 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL

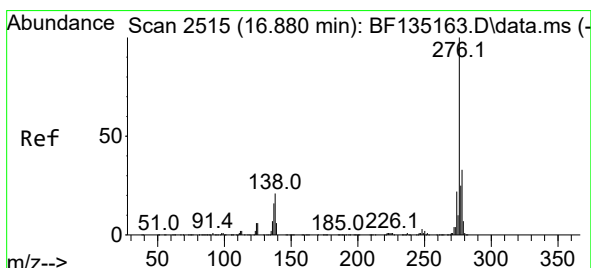
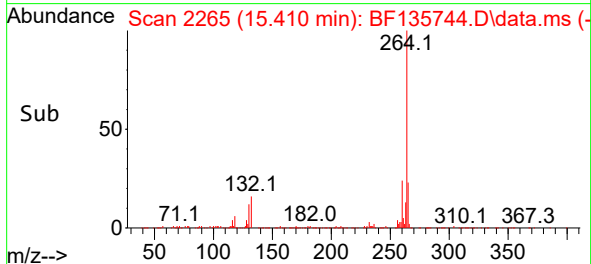
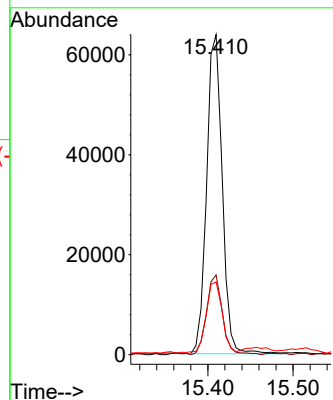
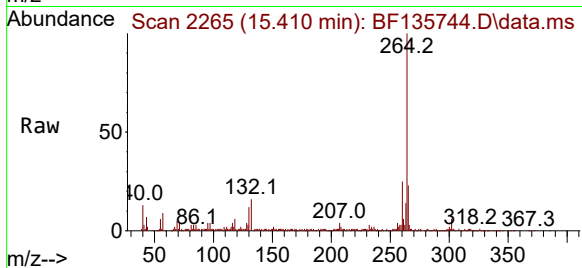
Tgt Ion:264 Resp: 81082

Ion Ratio Lower Upper

264 100

260 24.9 19.8 29.6

265 22.8 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.078 ng

RT: 16.909 min Scan# 2520

Delta R.T. 0.006 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

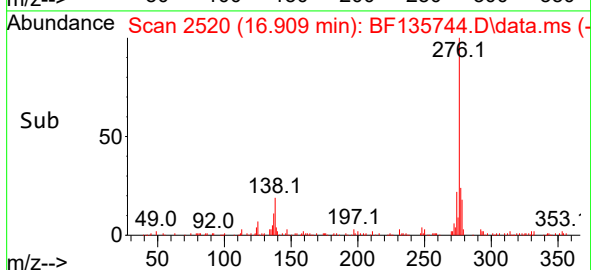
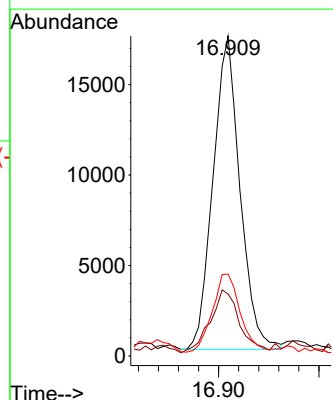
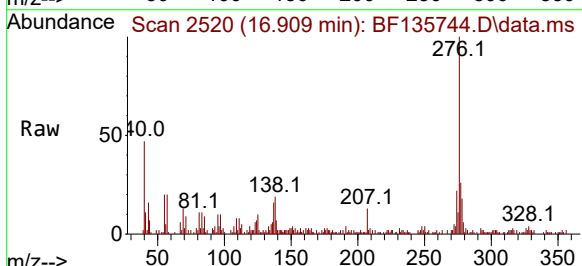
Tgt Ion:276 Resp: 32311

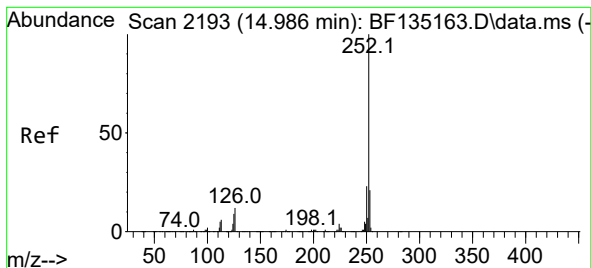
Ion Ratio Lower Upper

276 100

138 21.8 19.2 28.8

277 25.6 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 25.810 ng

RT: 14.980 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL

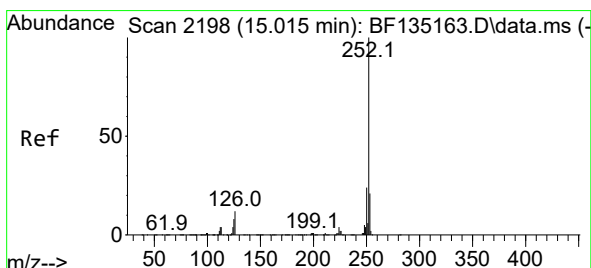
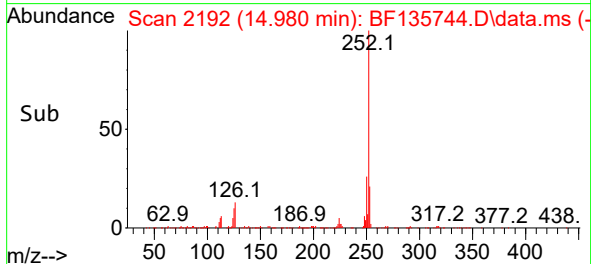
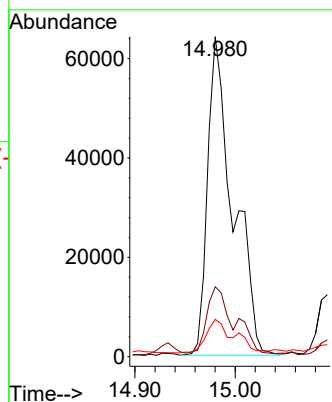
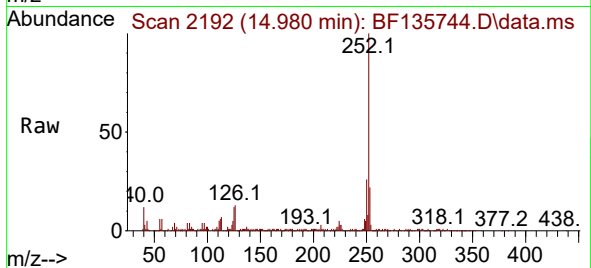
Tgt Ion:252 Resp: 113286

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 11.7 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 26.128 ng

RT: 14.980 min Scan# 2192

Delta R.T. -0.024 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

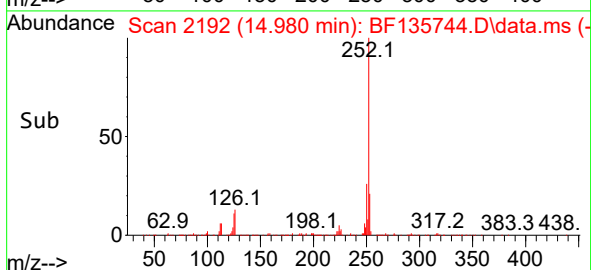
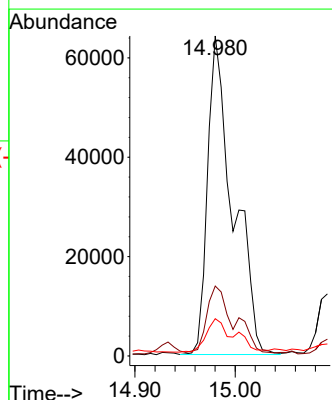
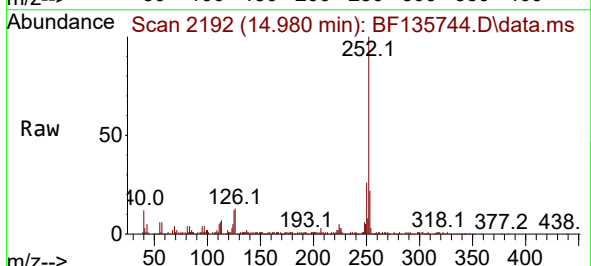
Tgt Ion:252 Resp: 113286

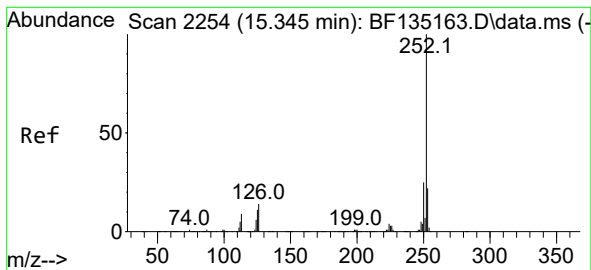
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 11.7 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 14.524 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

Instrument :

BNA_F

ClientSampleId :

SU-03-100623DL

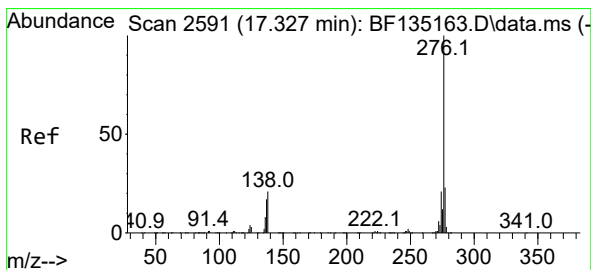
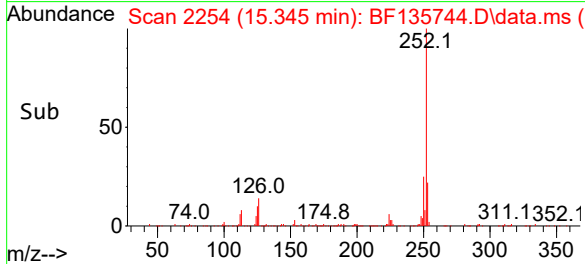
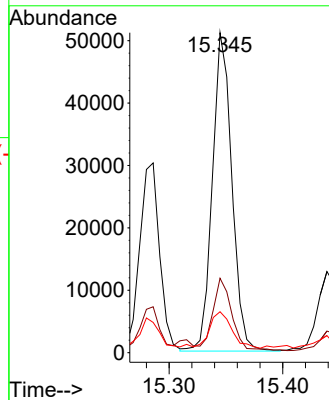
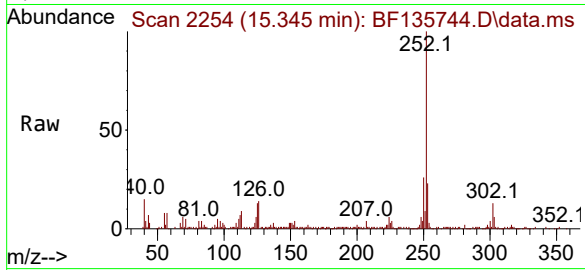
Tgt Ion:252 Resp: 60793

Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 12.8 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 6.656 ng

RT: 17.368 min Scan# 2598

Delta R.T. 0.018 min

Lab File: BF135744.D

Acq: 12 Oct 2023 20:05

Tgt Ion:276 Resp: 30237

Ion Ratio Lower Upper

276 100

277 27.3 18.8 28.2

138 24.2 16.9 25.3

