

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135595.D
 Acq On : 05 Oct 2023 04:38
 Operator : CG\JU
 Sample : 04702-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-003

Quant Time: Oct 05 06:52:49 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 04 17:06:20 2023
 Response via : Initial Calibration

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

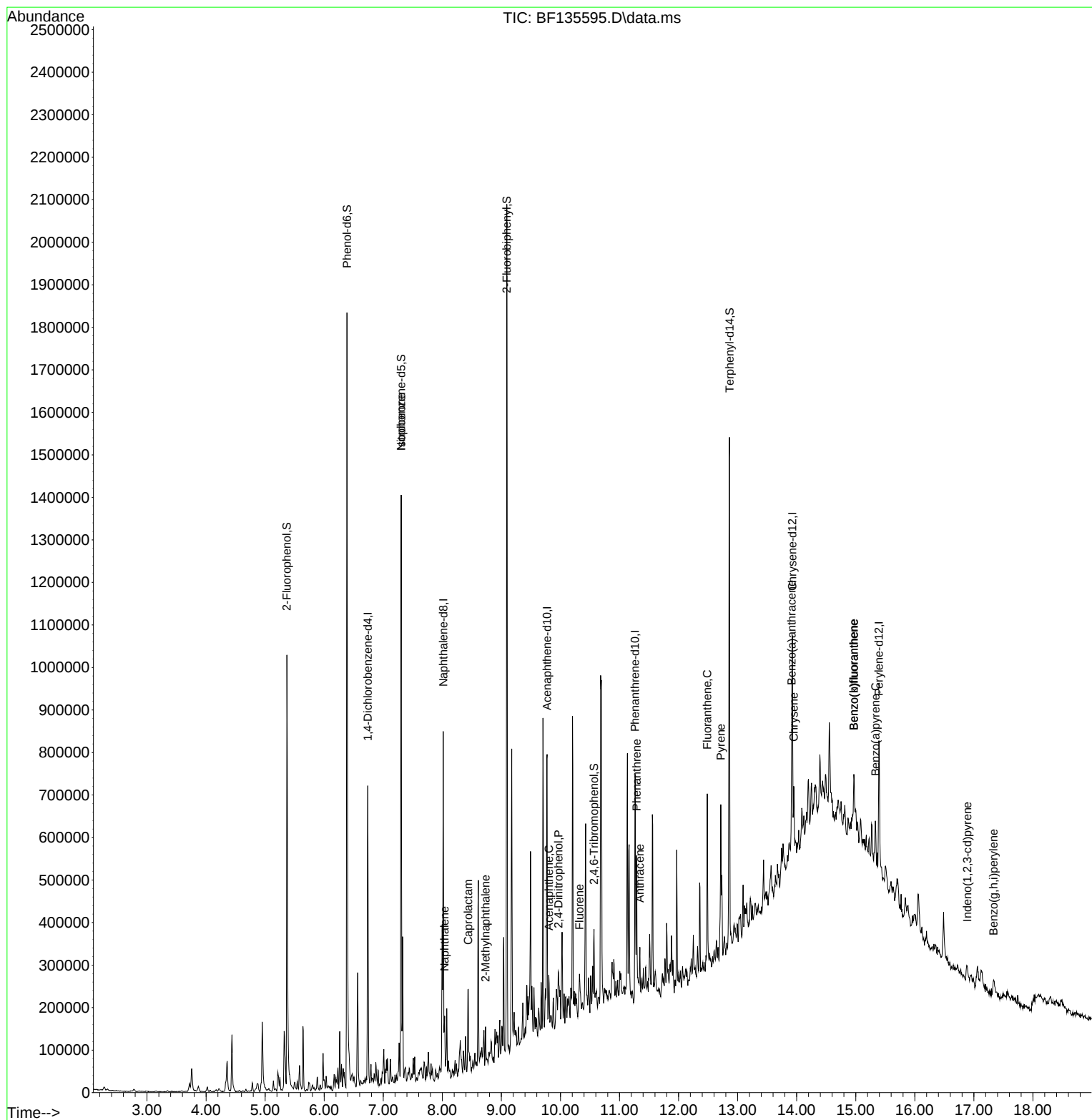
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	98147	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	304993	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	133956	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	198709	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	155702	20.000	ng	0.00
86) Perylene-d12	15.392	264	141254	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	305692	50.658	ng	0.00
7) Phenol-d6	6.386	99	589367	76.809	ng	0.00
23) Nitrobenzene-d5	7.304	82	370405	65.981	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	20116	15.111	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	570235	64.225	ng	0.00
79) Terphenyl-d14	12.863	244	443366	44.142	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.304	82	368605	35.758	ng	# 65
31) Naphthalene	8.039	128	48130	3.248	ng	99
35) Caprolactam	8.439	113	4285	3.078	ng	# 53
37) 2-Methylnaphthalene	8.733	142	24199	2.429	ng	99
52) Acenaphthene	9.804	154	17219	2.348	ng	95
54) 2,4-Dinitrophenol	9.969	184	67	6.302	ng	# 1
58) Fluorene	10.322	166	18538	2.155	ng	# 94
71) Phenanthrene	11.292	178	125255	13.328	ng	99
72) Anthracene	11.345	178	35204	3.644	ng	97
75) Fluoranthene	12.486	202	153564	15.681	ng	98
78) Pyrene	12.715	202	151395	10.213	ng	99
81) Benzo(a)anthracene	13.915	228	81977	8.154	ng	98
83) Chrysene	13.951	228	69840	6.987	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	26925	2.907	ng	98
88) Benzo(b)fluoranthene	14.968	252	99856	13.059	ng	# 76
89) Benzo(k)fluoranthene	14.968	252	99856	13.220	ng	# 77
90) Benzo(a)pyrene	15.333	252	55459	7.605	ng	# 88
92) Benzo(g,h,i)perylene	17.333	276	27759	3.508	ng	# 85

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

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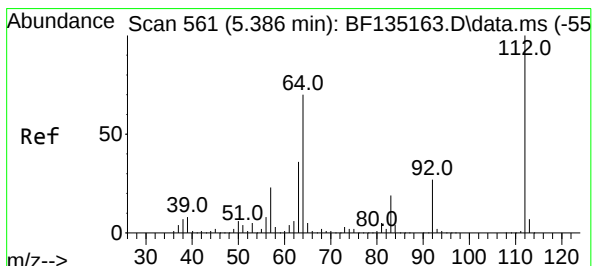
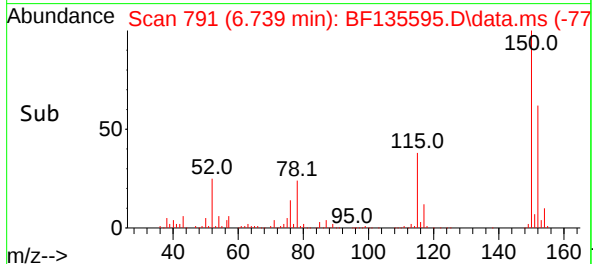
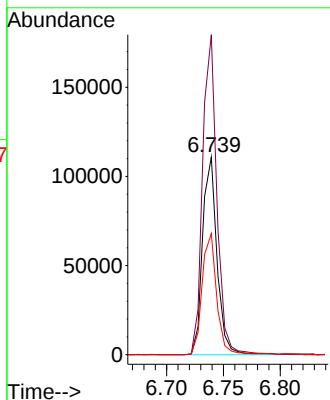
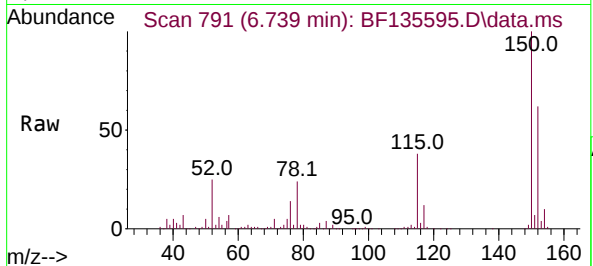




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

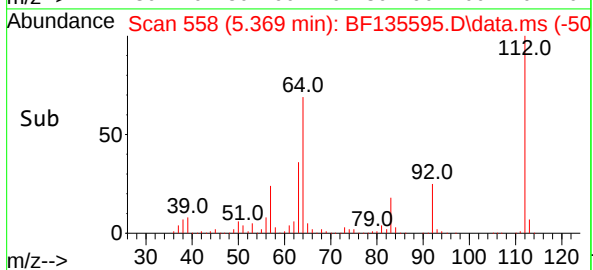
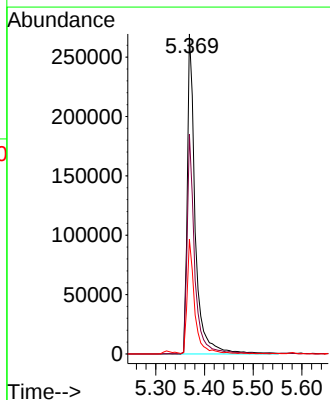
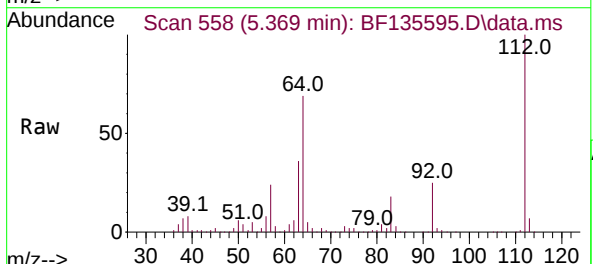
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003

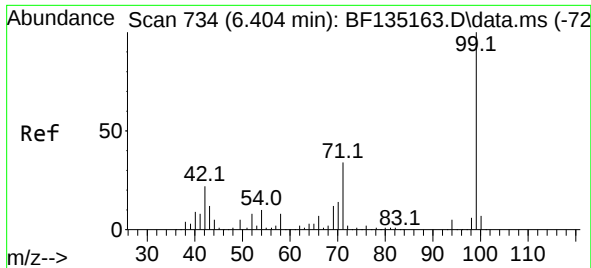
Tgt Ion:152 Resp: 98147
Ion Ratio Lower Upper
152 100
150 161.9 127.8 191.6
115 61.3 49.8 74.8



#5
2-Fluorophenol
Concen: 50.658 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Tgt Ion:112 Resp: 305692
Ion Ratio Lower Upper
112 100
64 68.6 55.9 83.9
63 35.8 29.0 43.6





#7

Phenol-d6

Concen: 76.809 ng

RT: 6.386 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003

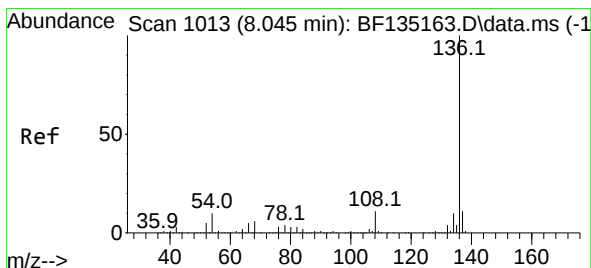
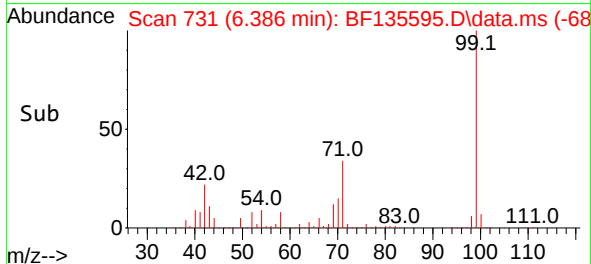
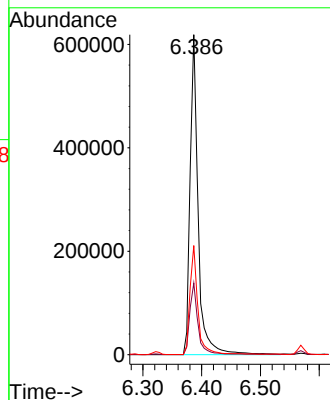
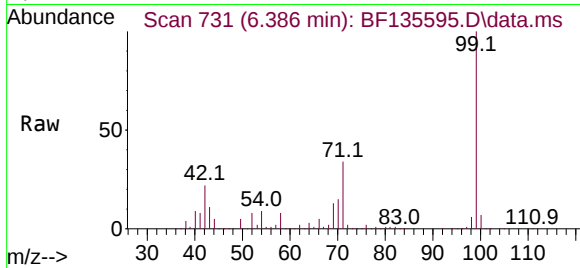
Tgt Ion: 99 Resp: 589367

Ion Ratio Lower Upper

99 100

42 22.4 17.9 26.9

71 34.1 27.0 40.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.000 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Tgt Ion:136 Resp: 304993

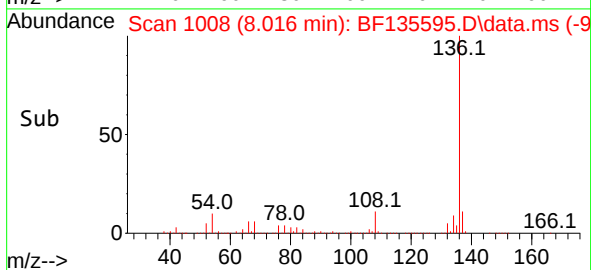
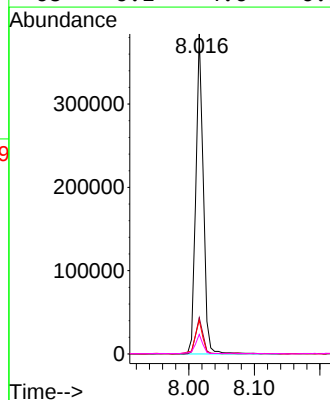
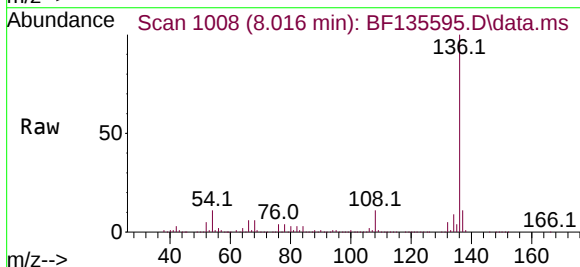
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 10.5 7.7 11.5

68 6.1 4.6 6.8





#23

Nitrobenzene-d5

Concen: 65.981 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003

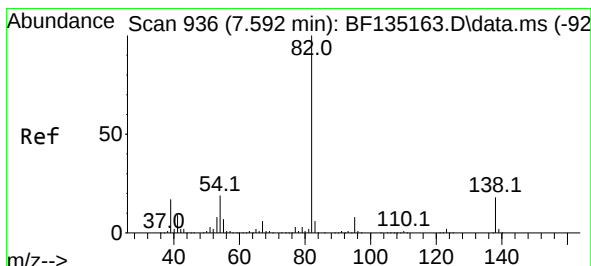
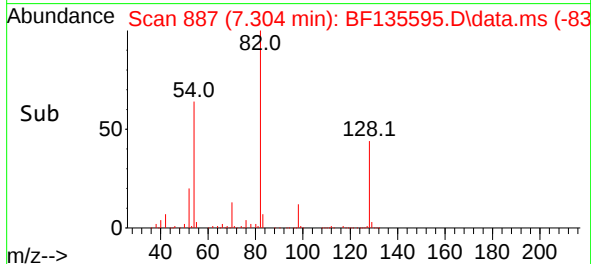
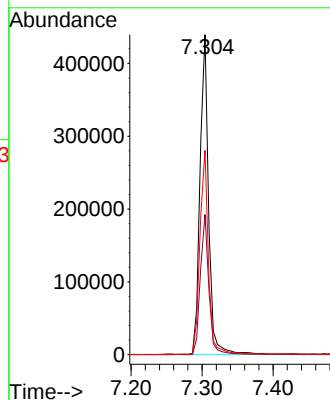
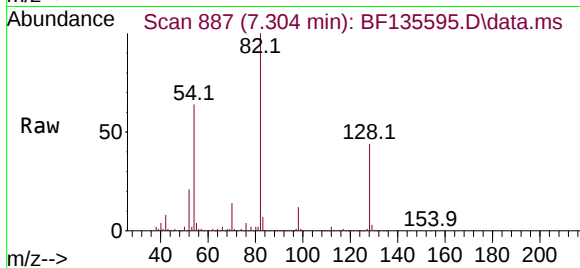
Tgt Ion: 82 Resp: 370405

Ion Ratio Lower Upper

82 100

128 43.8 35.8 53.6

54 63.9 50.6 76.0



#25

Isophorone

Concen: 35.758 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.259 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

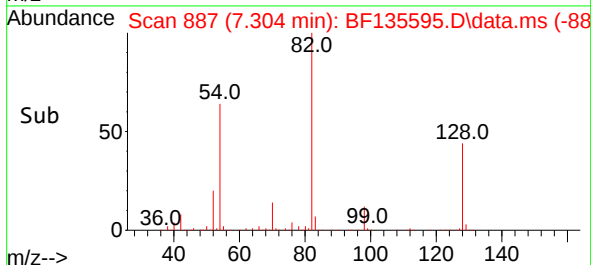
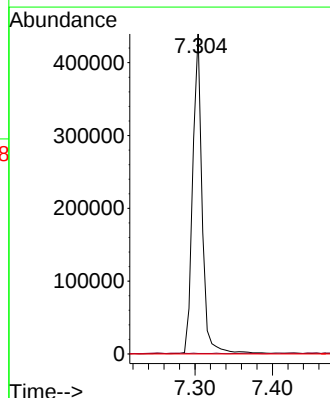
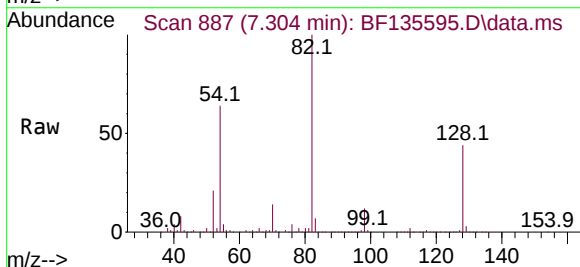
Tgt Ion: 82 Resp: 368605

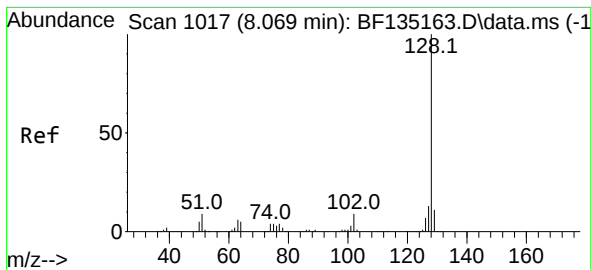
Ion Ratio Lower Upper

82 100

95 0.1 6.0 9.0#

138 0.0 14.5 21.7#





#31

Naphthalene

Concen: 3.248 ng

RT: 8.039 min Scan# 1017

Delta R.T. -0.000 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003

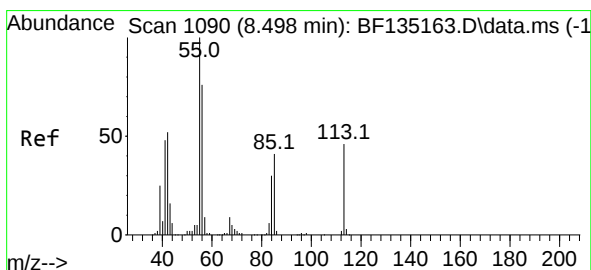
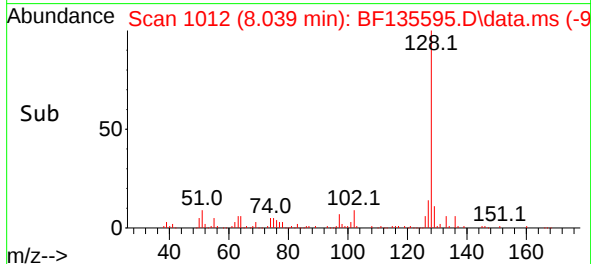
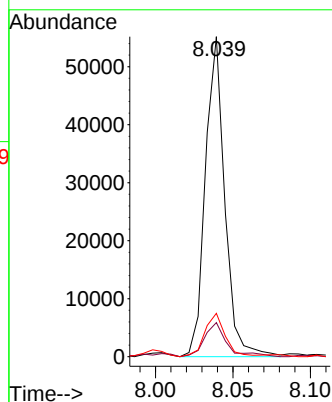
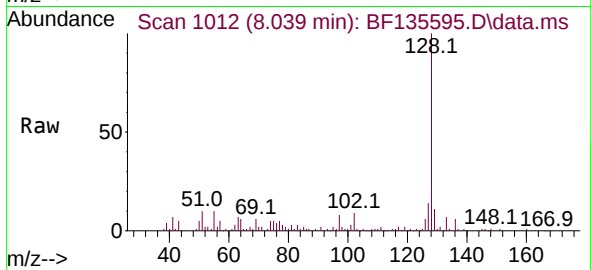
Tgt Ion:128 Resp: 48130

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

127 13.6 10.7 16.1



#35

Caprolactam

Concen: 3.078 ng

RT: 8.439 min Scan# 1080

Delta R.T. -0.029 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

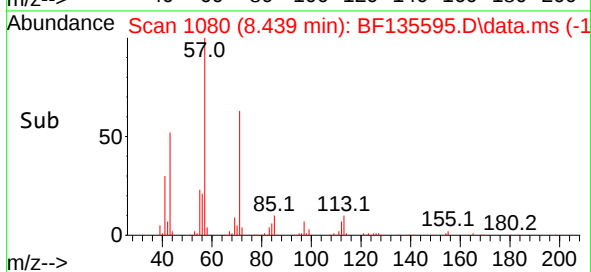
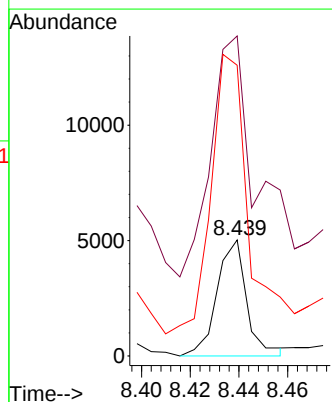
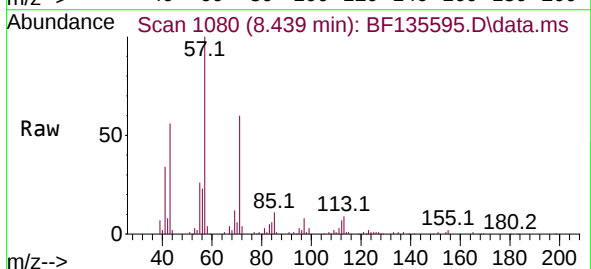
Tgt Ion:113 Resp: 4285

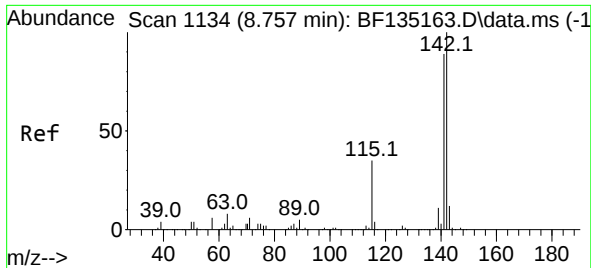
Ion Ratio Lower Upper

113 100

55 275.9 199.3 239.3#

56 250.7 146.3 186.3#





#37

2-Methylnaphthalene

Concen: 2.429 ng

RT: 8.733 min Scan# 1134

Delta R.T. -0.000 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

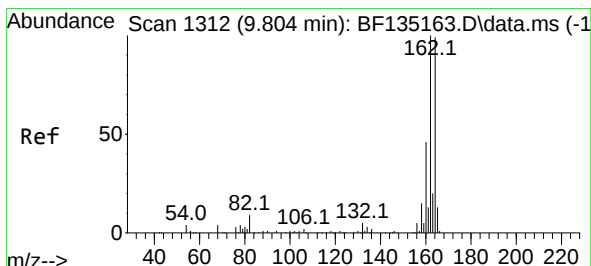
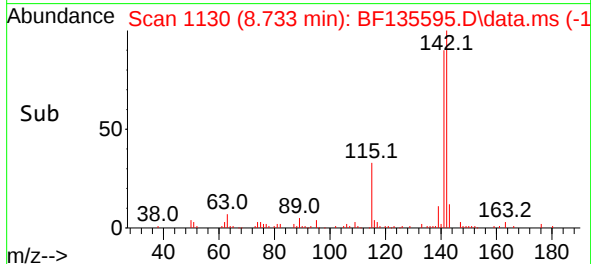
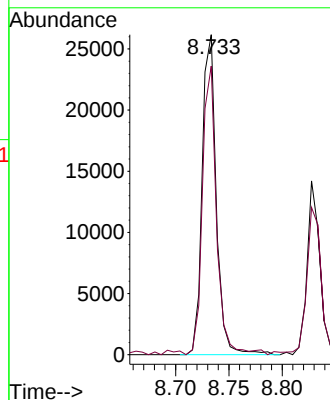
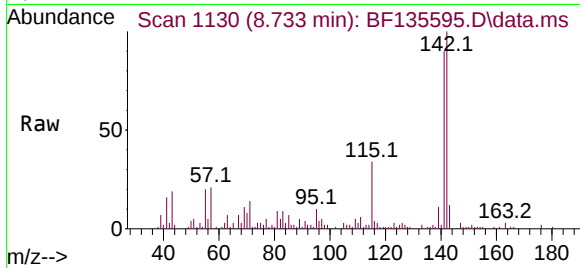
E9066-OB-003

Tgt Ion:142 Resp: 24199

Ion Ratio Lower Upper

142 100

141 90.2 71.0 106.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 1307

Delta R.T. -0.000 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

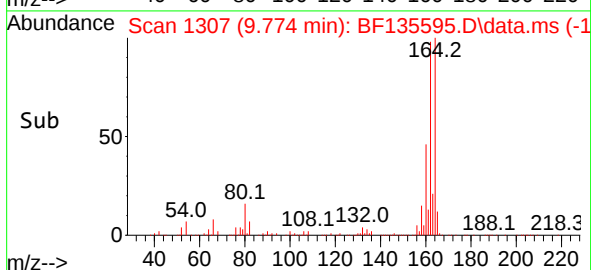
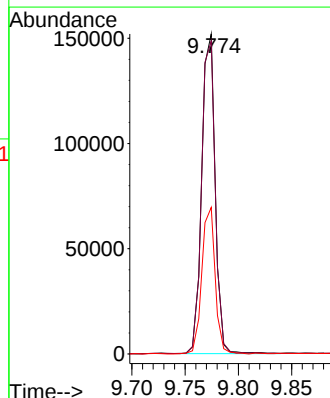
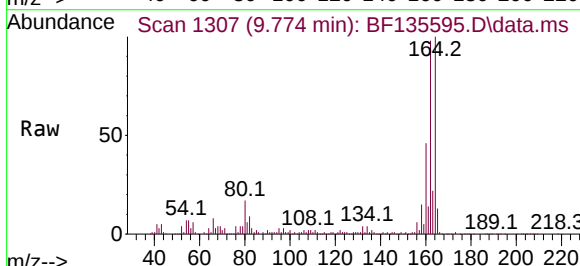
Tgt Ion:164 Resp: 133956

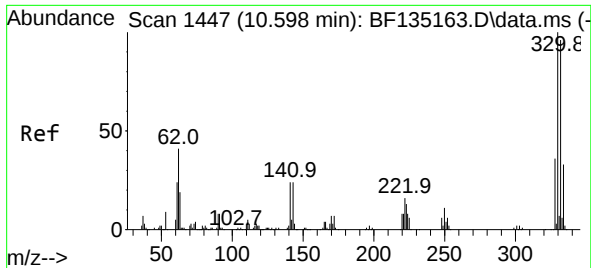
Ion Ratio Lower Upper

164 100

162 97.8 81.0 121.4

160 45.8 37.0 55.4

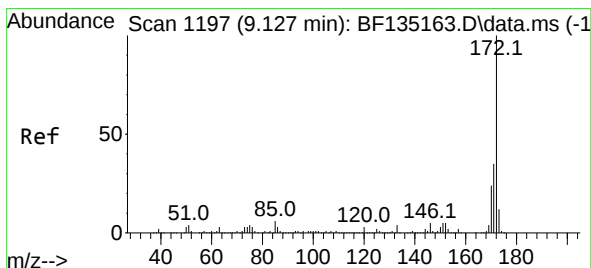
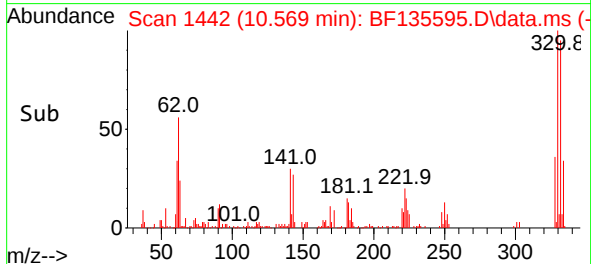
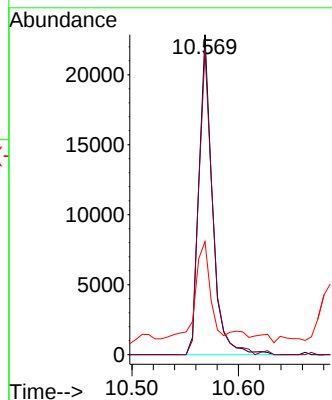
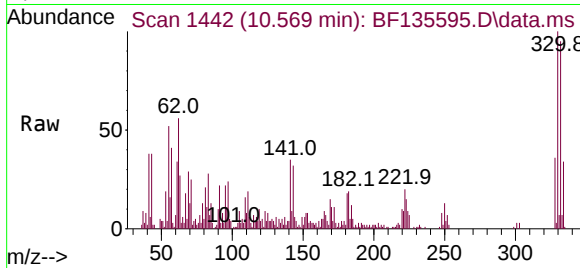




#42
2,4,6-Tribromophenol
Concen: 15.111 ng
RT: 10.569 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

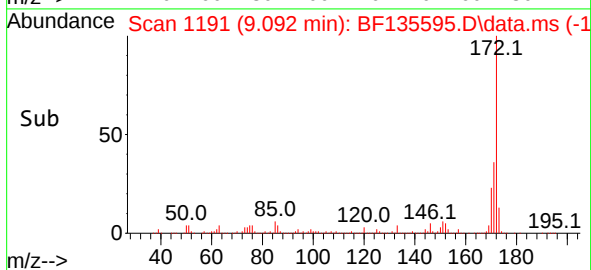
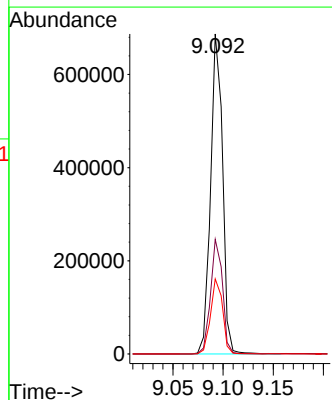
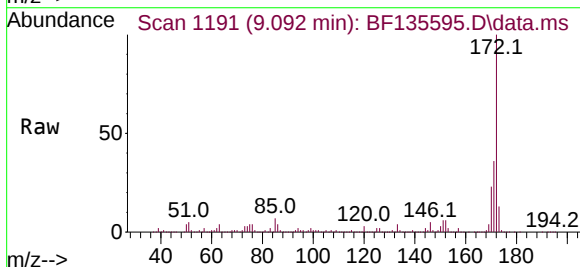
Instrument :
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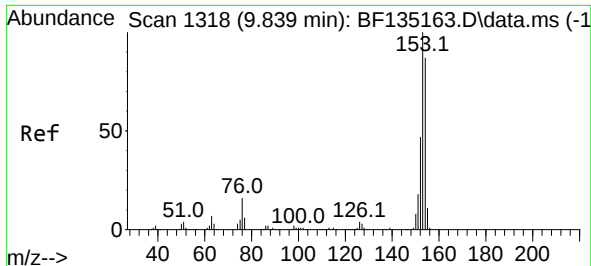
Tgt Ion:330 Resp: 20116
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 33.0 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 64.225 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Tgt Ion:172 Resp: 570235
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.4 19.0 28.4

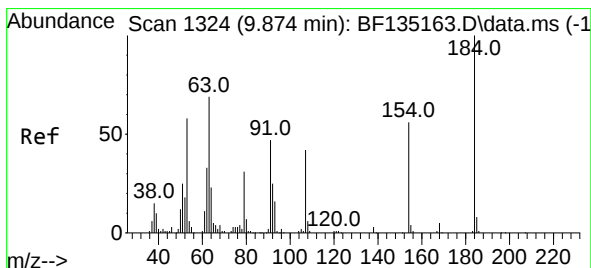
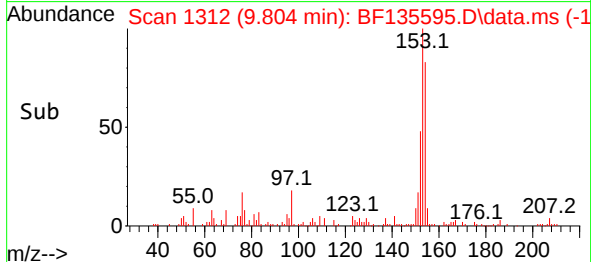
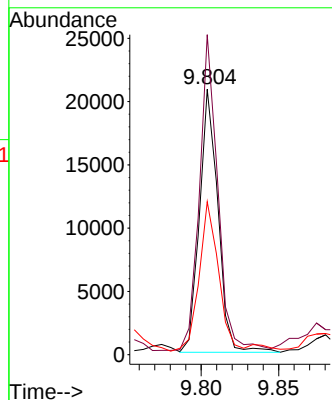
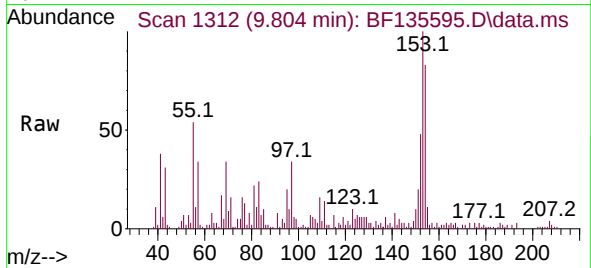




#52
Acenaphthene
Concen: 2.348 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

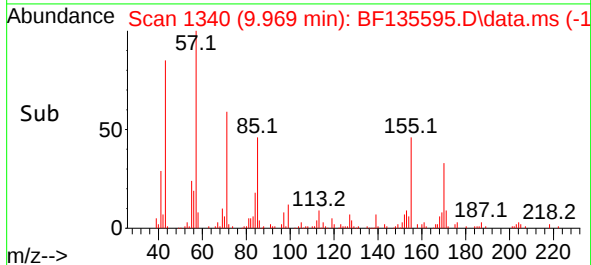
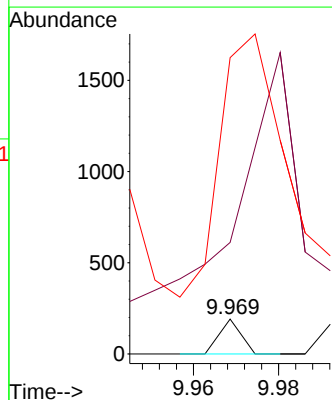
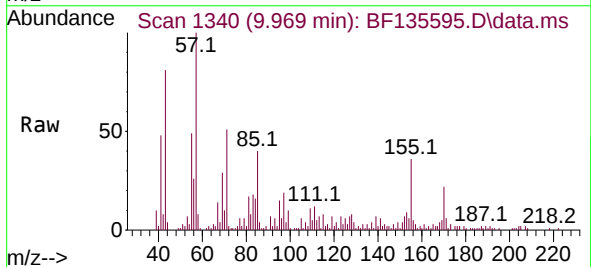
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003

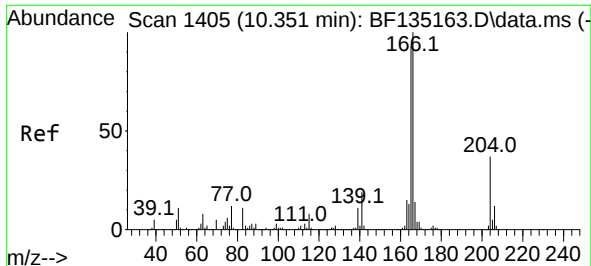
Tgt Ion:154 Resp: 17219
Ion Ratio Lower Upper
154 100
153 120.6 92.1 138.1
152 57.6 43.1 64.7



#54
2,4-Dinitrophenol
Concen: 6.302 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.106 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Tgt Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 319.9 55.1 82.7#
154 850.3 48.4 72.6#

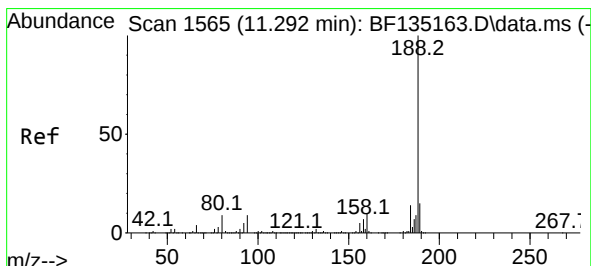
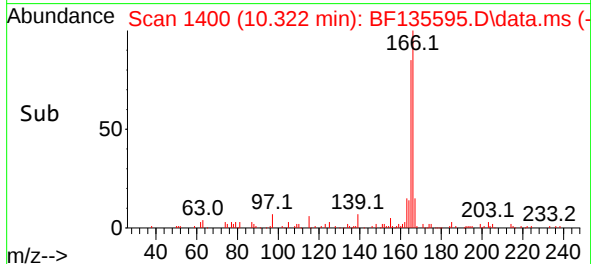
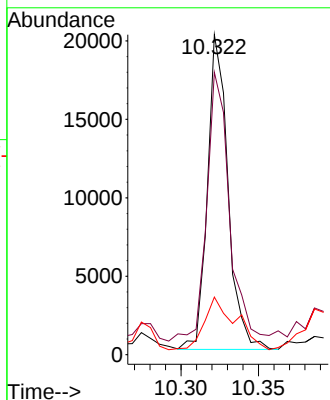
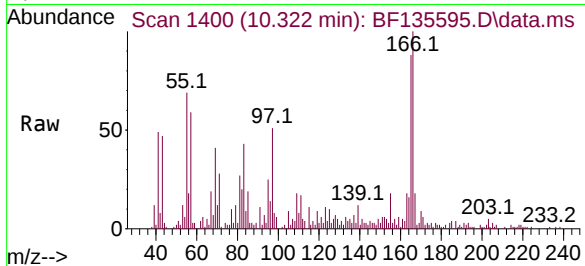




#58
Fluorene
Concen: 2.155 ng
RT: 10.322 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

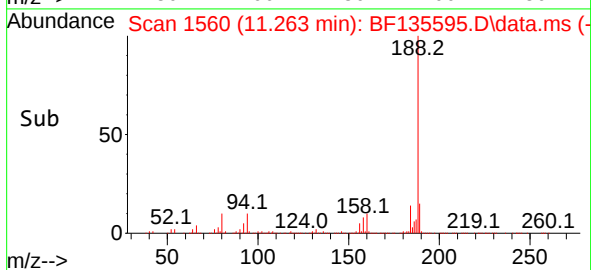
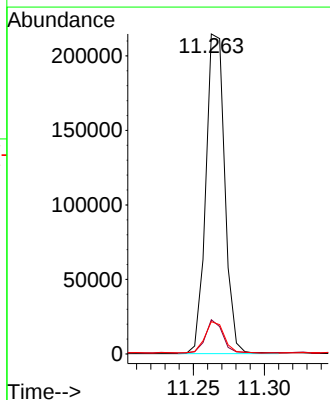
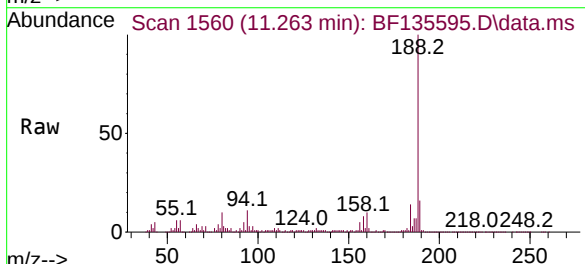
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003

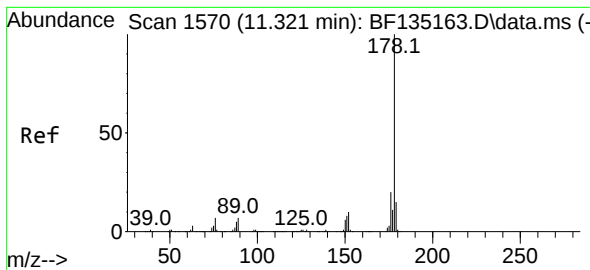
Tgt Ion:166 Resp: 18538
Ion Ratio Lower Upper
166 100
165 88.2 74.3 111.5
167 18.0 10.9 16.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Tgt Ion:188 Resp: 198709
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.6#
80 10.1 7.5 11.3





#71

Phenanthrene

Concen: 13.328 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.000 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003

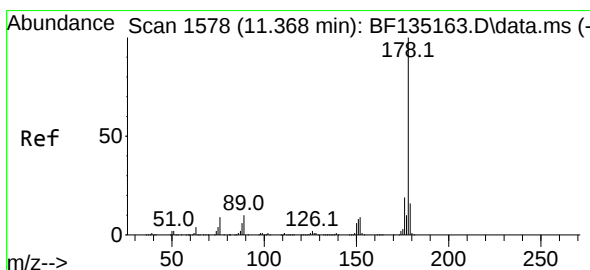
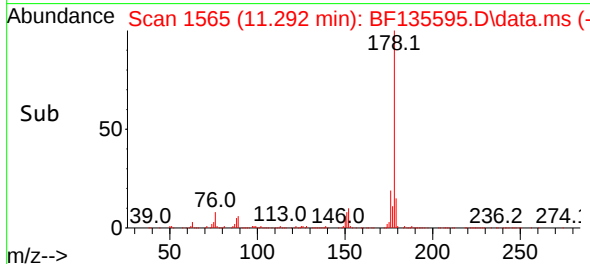
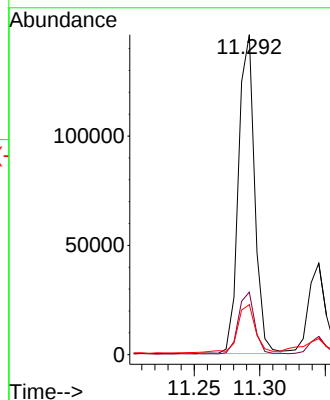
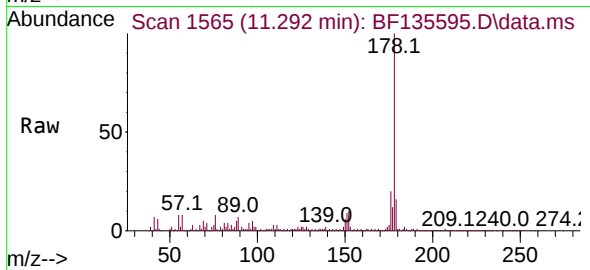
Tgt Ion:178 Resp: 125255

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 15.6 12.0 18.0



#72

Anthracene

Concen: 3.644 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.000 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

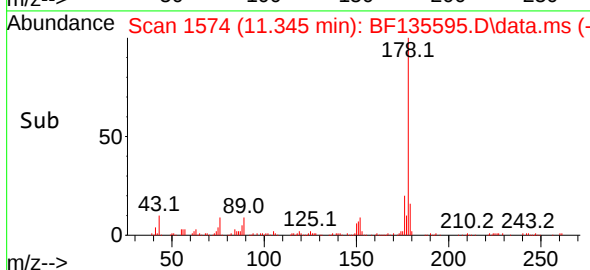
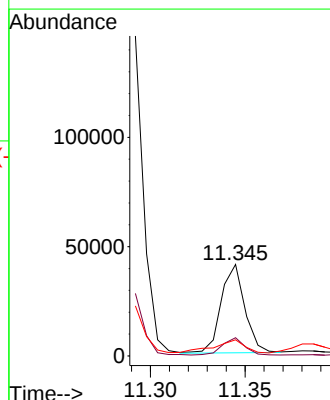
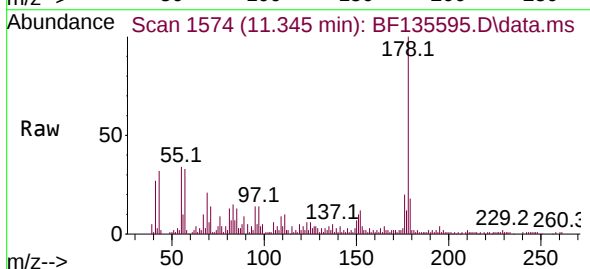
Tgt Ion:178 Resp: 35204

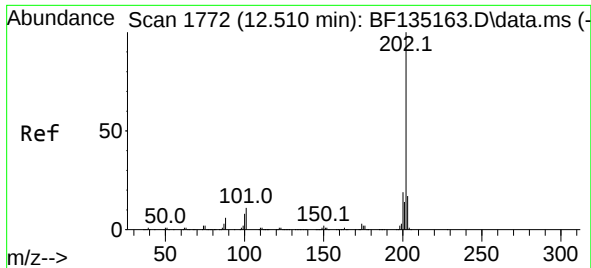
Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.2

179 17.6 12.6 19.0

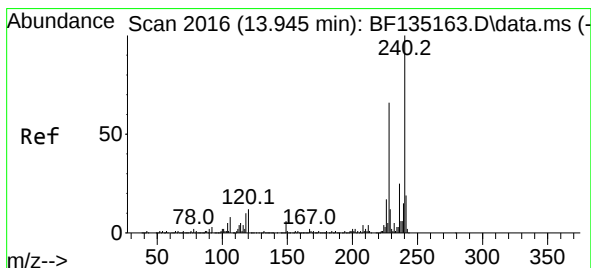
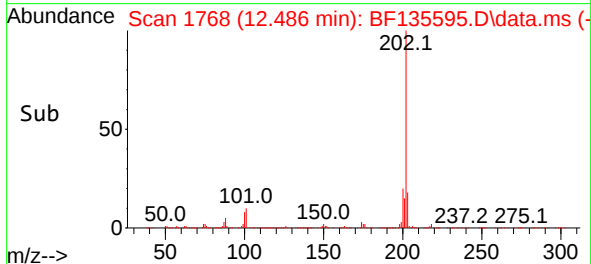
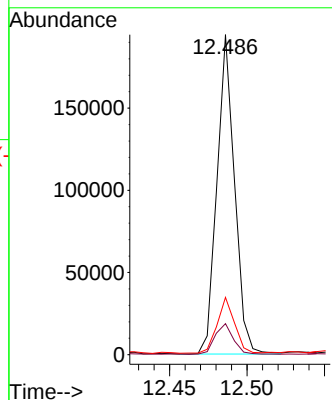
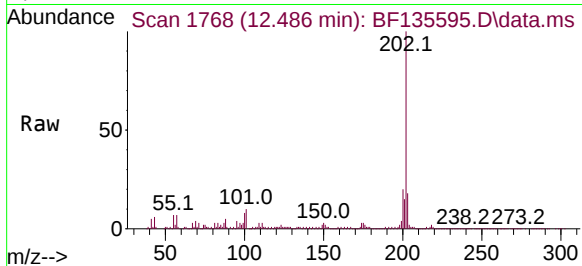




#75
Fluoranthene
Concen: 15.681 ng
RT: 12.486 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

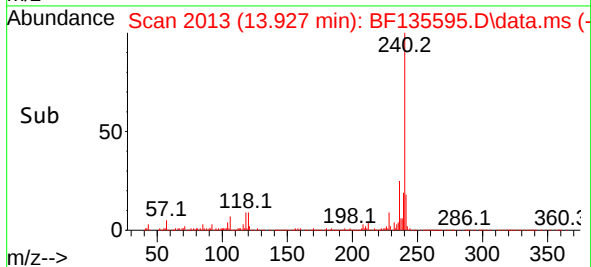
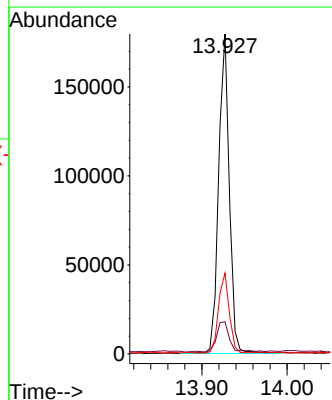
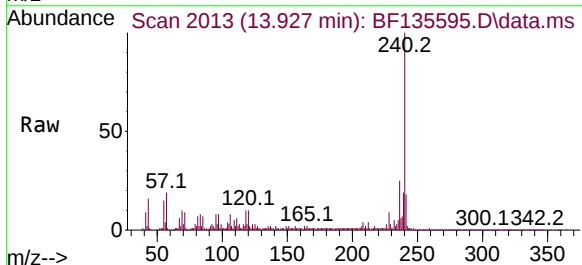
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003

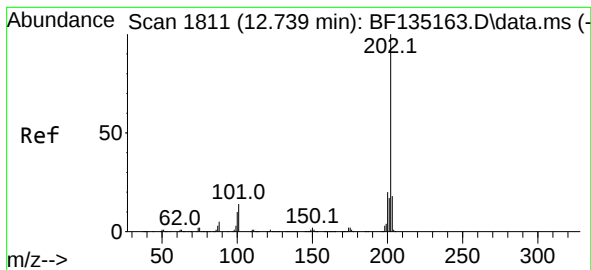
Tgt Ion:202 Resp: 153564
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.3
203 17.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Tgt Ion:240 Resp: 155702
Ion Ratio Lower Upper
240 100
120 10.1 9.4 14.2
236 25.3 19.8 29.8





#78

Pyrene

Concen: 10.213 ng

RT: 12.715 min Scan# 1807

Delta R.T. -0.000 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003

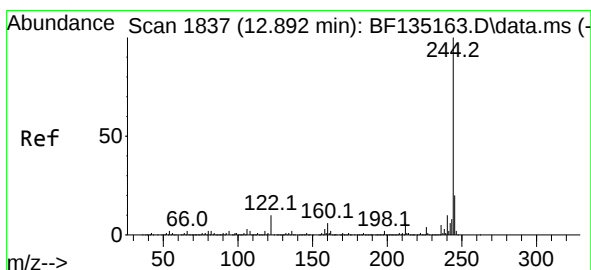
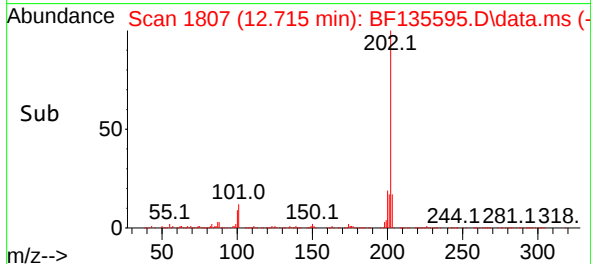
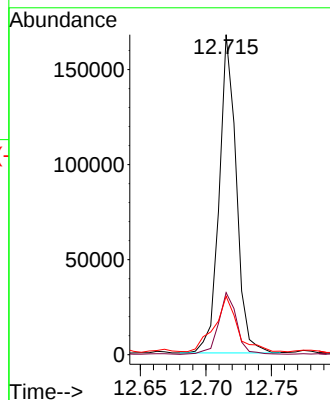
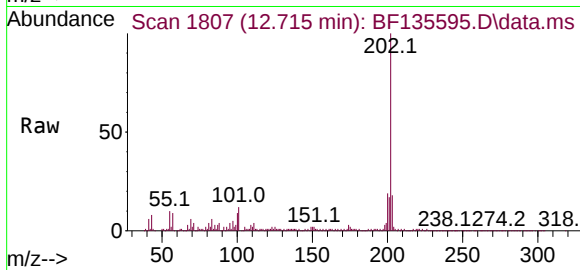
Tgt Ion:202 Resp: 151395

Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.2

203 18.3 14.2 21.4



#79

Terphenyl-d14

Concen: 44.142 ng

RT: 12.863 min Scan# 1832

Delta R.T. -0.000 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

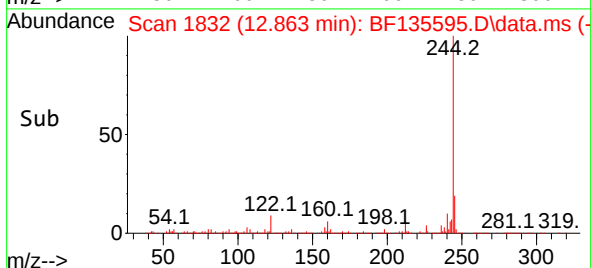
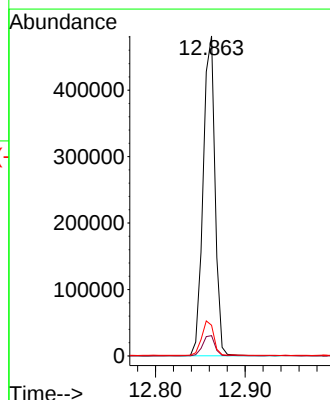
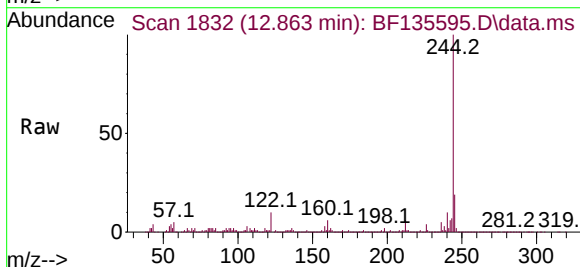
Tgt Ion:244 Resp: 443366

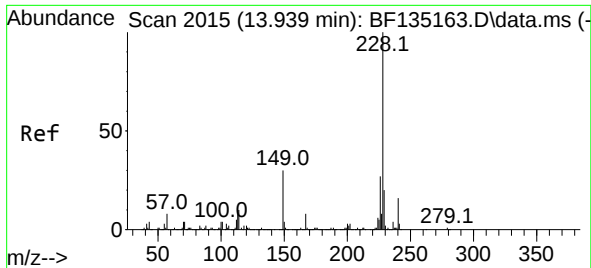
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 9.6 7.9 11.9

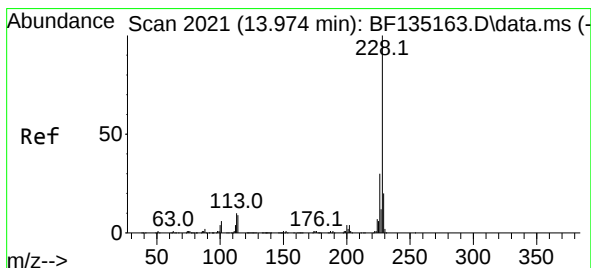
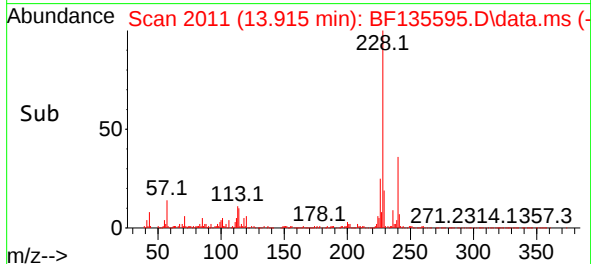
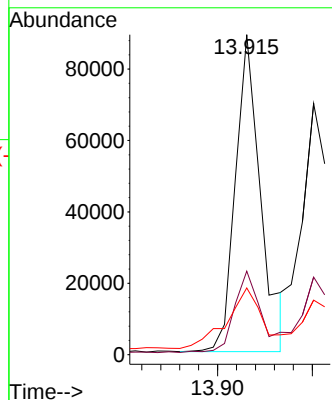
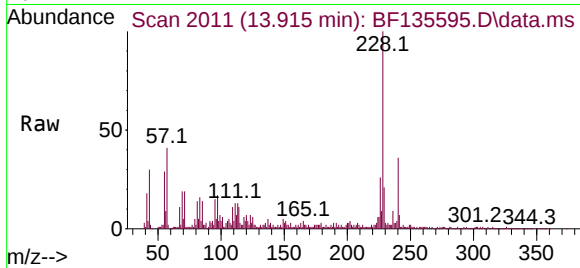




#81
Benzo(a)anthracene
Concen: 8.154 ng
RT: 13.915 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

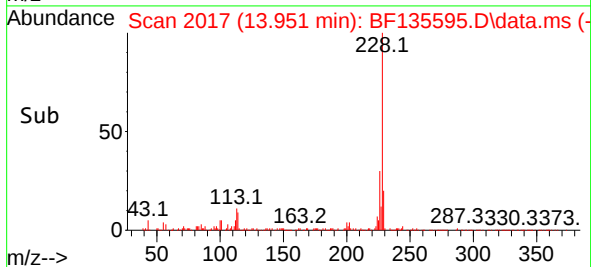
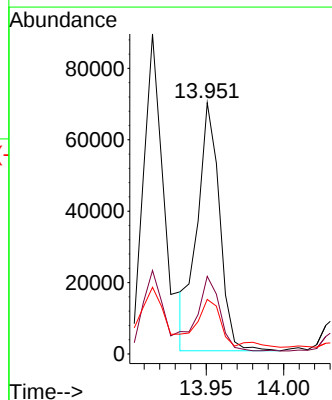
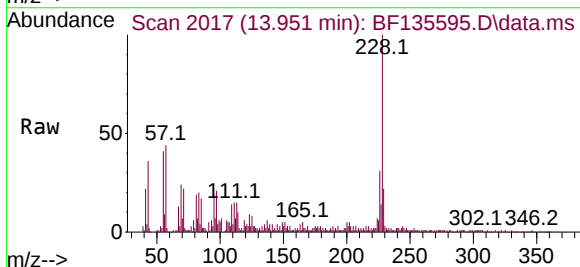
Instrument :
BNA_F
ClientSampleId :
E9066-OB-003

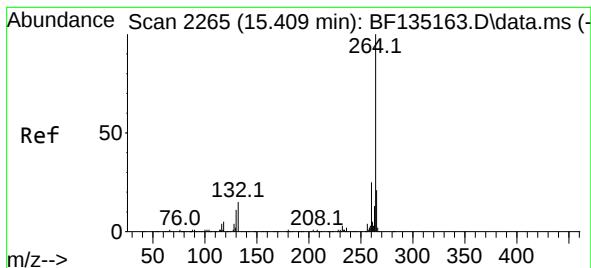
Tgt Ion:228 Resp: 81977
Ion Ratio Lower Upper
228 100
226 26.1 21.7 32.5
229 20.9 15.8 23.8



#83
Chrysene
Concen: 6.987 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF135595.D
Acq: 05 Oct 2023 04:38

Tgt Ion:228 Resp: 69840
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 21.7 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003

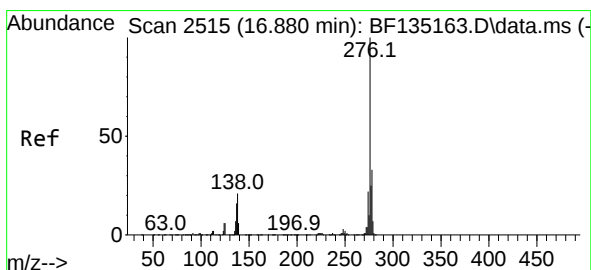
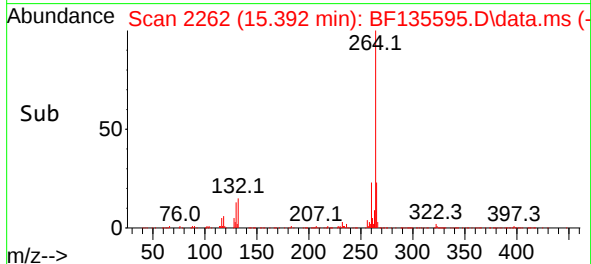
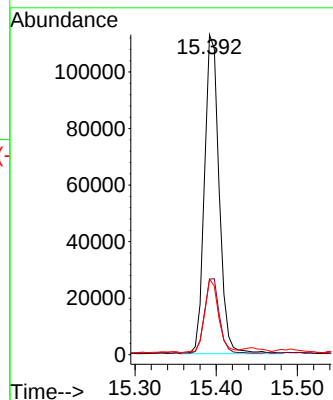
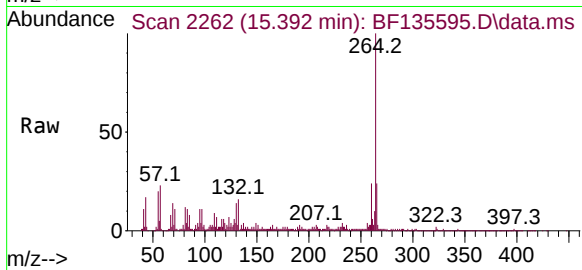
Tgt Ion:264 Resp: 141254

Ion Ratio Lower Upper

264 100

260 23.6 19.8 29.6

265 23.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.907 ng

RT: 16.886 min Scan# 2516

Delta R.T. 0.018 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

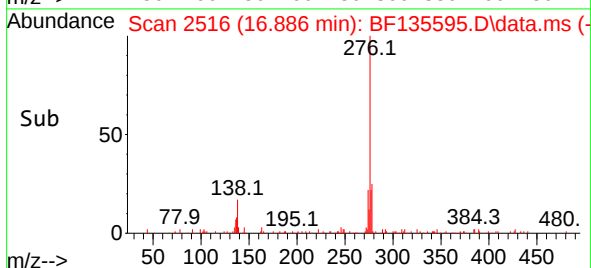
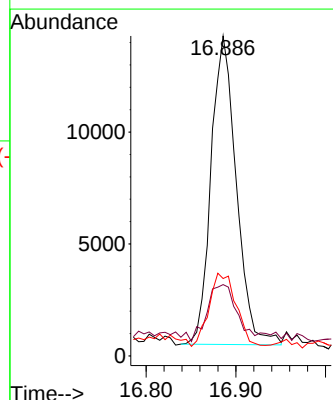
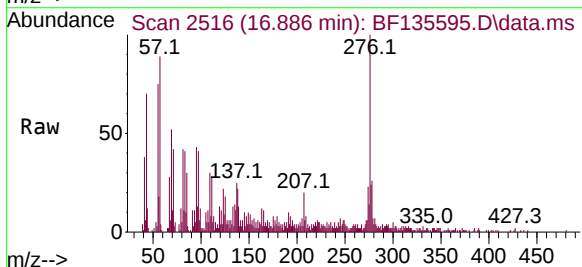
Tgt Ion:276 Resp: 26925

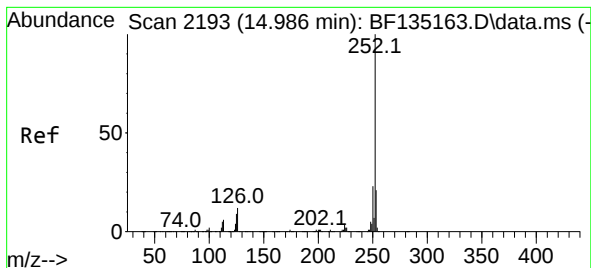
Ion Ratio Lower Upper

276 100

138 22.5 19.2 28.8

277 25.3 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 13.059 ng

RT: 14.968 min Scan# 2190

Delta R.T. 0.006 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003

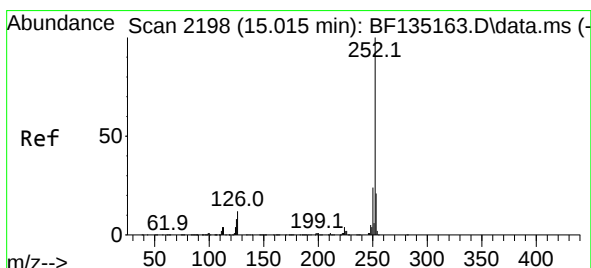
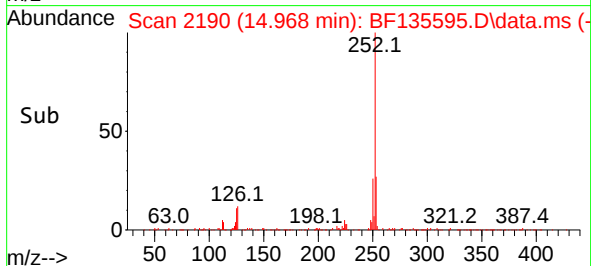
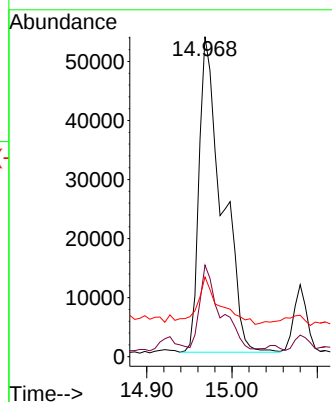
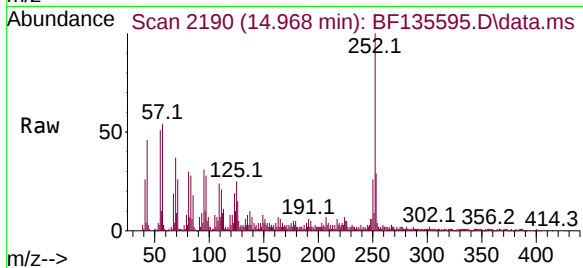
Tgt Ion:252 Resp: 99856

Ion Ratio Lower Upper

252 100

253 28.6 17.2 25.8#

125 24.9 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 13.220 ng

RT: 14.968 min Scan# 2190

Delta R.T. -0.024 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

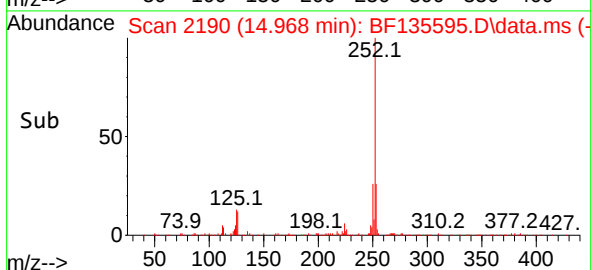
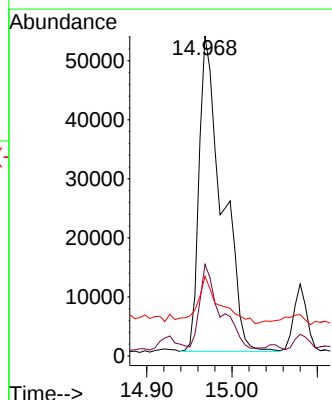
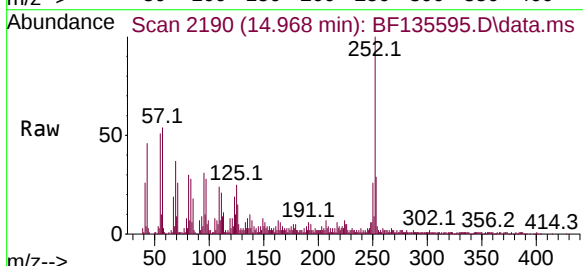
Tgt Ion:252 Resp: 99856

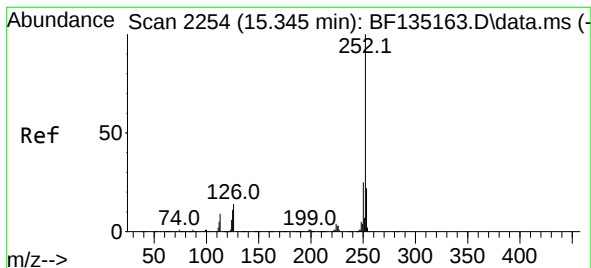
Ion Ratio Lower Upper

252 100

253 28.6 17.4 26.0#

125 24.9 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 7.605 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Instrument :

BNA_F

ClientSampleId :

E9066-OB-003

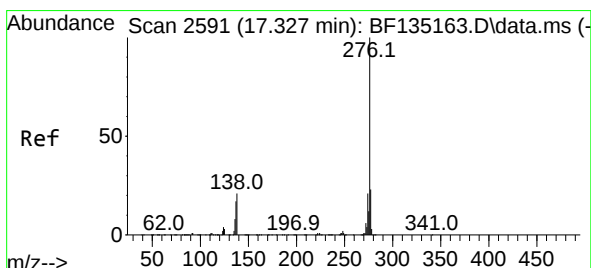
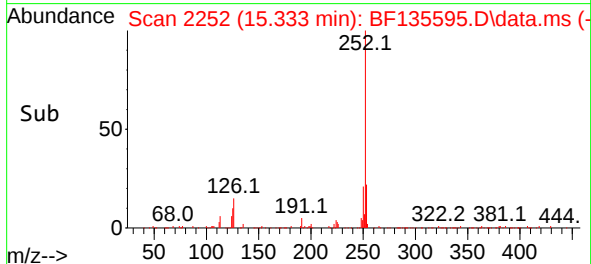
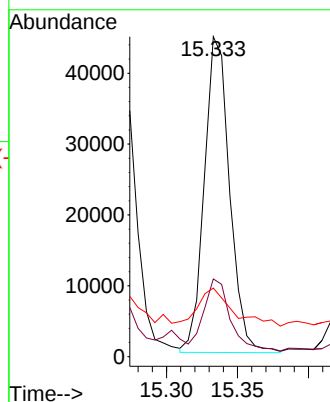
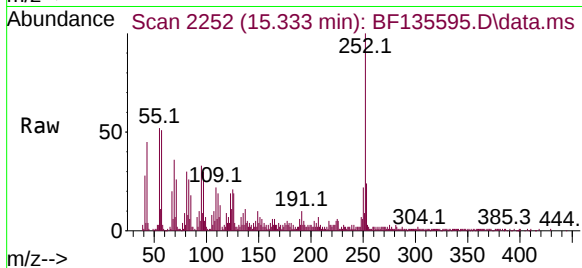
Tgt Ion:252 Resp: 55459

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

125 21.5 9.2 13.8#



#92

Benzo(g,h,i)perylene

Concen: 3.508 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.018 min

Lab File: BF135595.D

Acq: 05 Oct 2023 04:38

Tgt Ion:276 Resp: 27759

Ion Ratio Lower Upper

276 100

277 33.2 18.8 28.2#

138 25.2 16.9 25.3

