

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133085.D
 Acq On : 27 Apr 2023 01:37
 Operator : CG\JU
 Sample : 02484-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CRCA-1

Quant Time: Apr 27 04:03:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

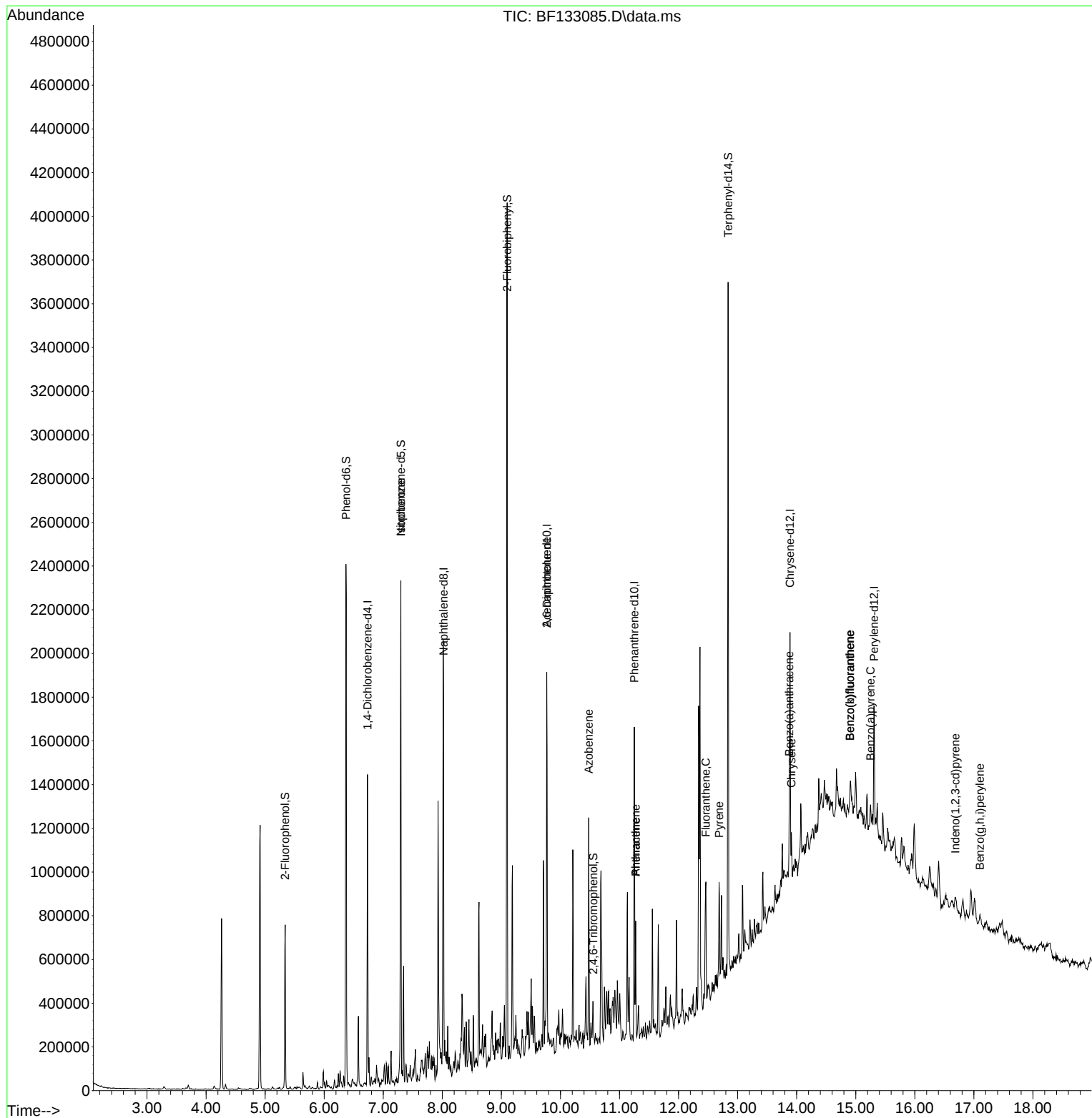
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.733	152	181204	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	687243	20.000	ng	0.00
39) Acenaphthene-d10	9.768	164	323076	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	491217	20.000	ng	0.00
76) Chrysene-d12	13.886	240	332717	20.000	ng	0.00
86) Perylene-d12	15.309	264	260485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	208548	17.386	ng	0.00
7) Phenol-d6	6.369	99	852761	57.275	ng	-0.01
23) Nitrobenzene-d5	7.298	82	634245	49.814	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	9948	3.062	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1147985	59.447	ng	0.00
79) Terphenyl-d14	12.839	244	1044891	54.163	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.275	77	2309	Below Cal	#	87
25) Isophorone	7.298	82	630836	26.096	ng	# 63
51) 2,6-Dinitrotoluene	9.768	165	47544	9.377	ng	# 25
63) Azobenzene	10.480	77	142434	6.319	ng	# 1
71) Phenanthrene	11.274	178	165348	6.263	ng	99
72) Anthracene	11.274	178	165348	6.120	ng	99
75) Fluoranthene	12.462	202	198867	7.505	ng	97
78) Pyrene	12.686	202	194047	6.804	ng	97
81) Benzo(a)anthracene	13.874	228	73540	3.214	ng	# 92
83) Chrysene	13.909	228	78615	3.437	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.686	276	32246	2.176	ng	98
88) Benzo(b)fluoranthene	14.903	252	106437	6.423	ng	# 70
89) Benzo(k)fluoranthene	14.903	252	106437	6.479	ng	# 71
90) Benzo(a)pyrene	15.251	252	53778	3.565	ng	# 72
92) Benzo(g,h,i)perylene	17.103	276	35327	2.896	ng	# 88

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

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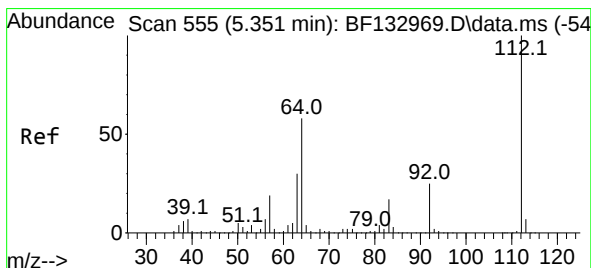
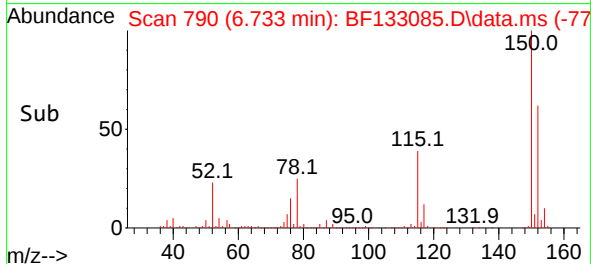
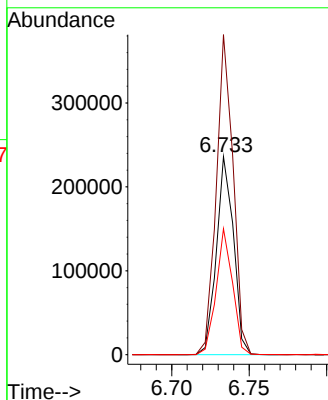
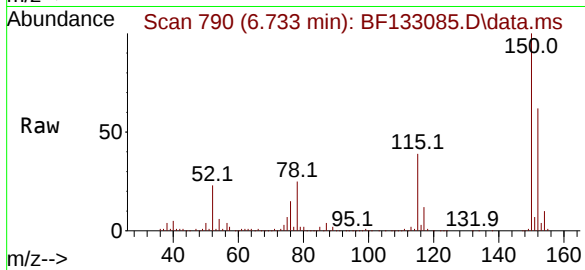




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.733 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

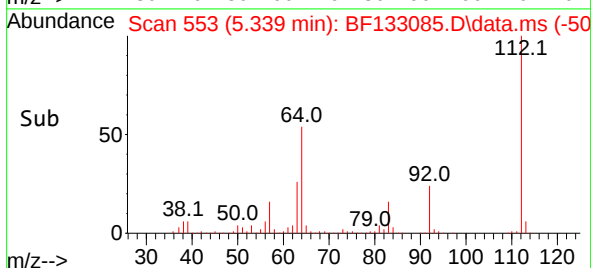
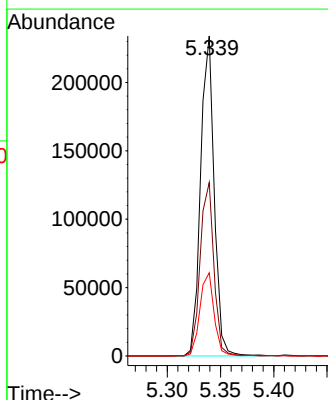
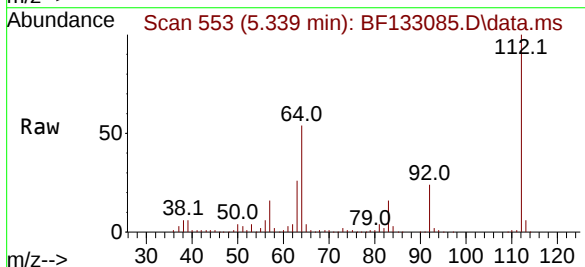
Instrument :
BNA_F
ClientSampleId :
CRCA-1

Tgt Ion:152 Resp: 181204
Ion Ratio Lower Upper
152 100
150 161.6 124.8 187.2
115 63.6 49.9 74.9



#5
2-Fluorophenol
Concen: 17.386 ng
RT: 5.339 min Scan# 553
Delta R.T. -0.000 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

Tgt Ion:112 Resp: 208548
Ion Ratio Lower Upper
112 100
64 54.2 46.8 70.2
63 26.0 23.8 35.8

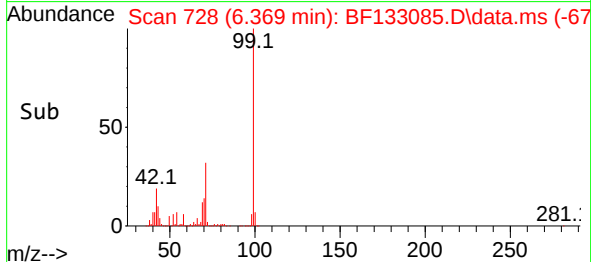
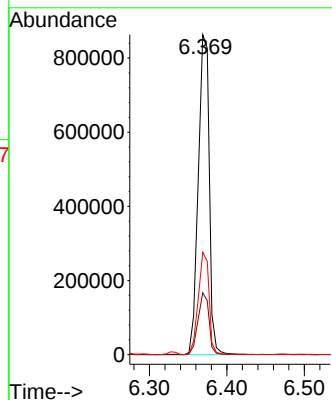
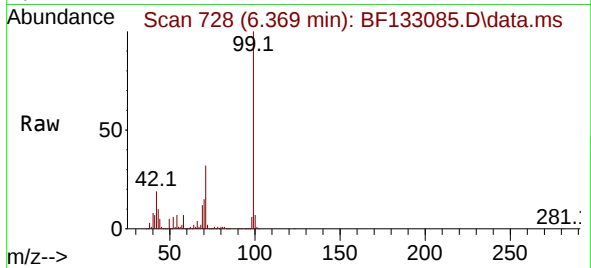




#7
Phenol-d6
Concen: 57.275 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

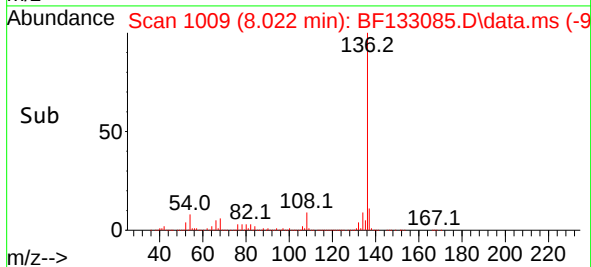
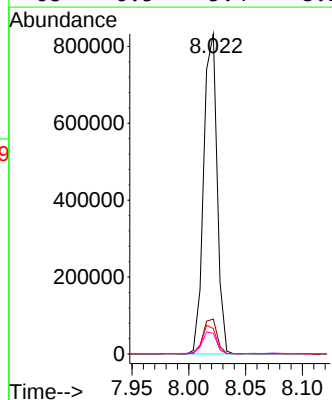
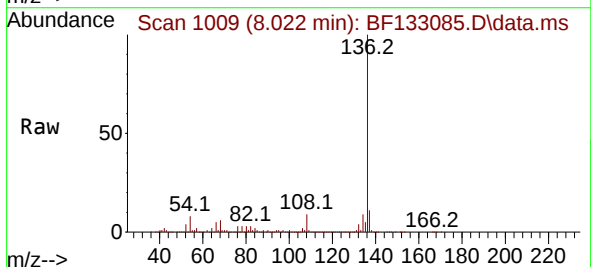
Instrument :
BNA_F
ClientSampleId :
CRCA-1

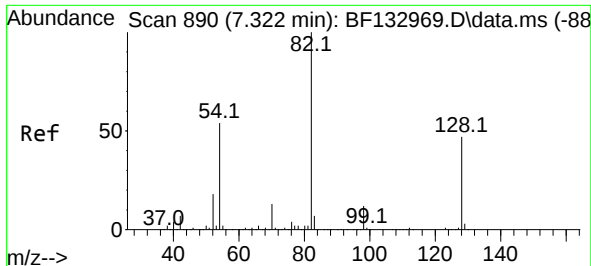
Tgt Ion: 99 Resp: 852761
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

Tgt Ion: 136 Resp: 687243
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.0 7.0 10.4
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 49.814 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

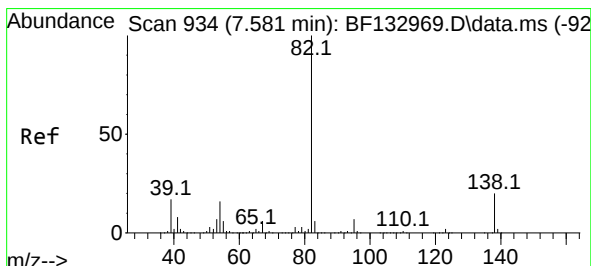
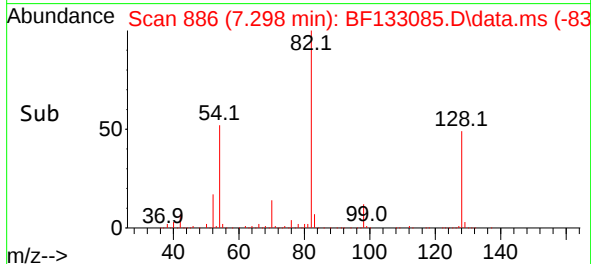
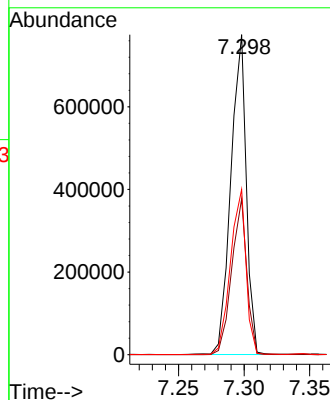
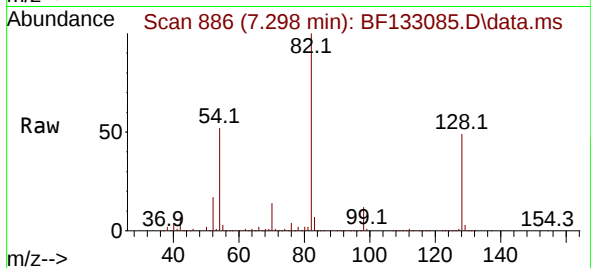
Tgt Ion: 82 Resp: 634245

Ion Ratio Lower Upper

82 100

128 48.7 37.7 56.5

54 51.6 43.0 64.4



#25

Isophorone

Concen: 26.096 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.265 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

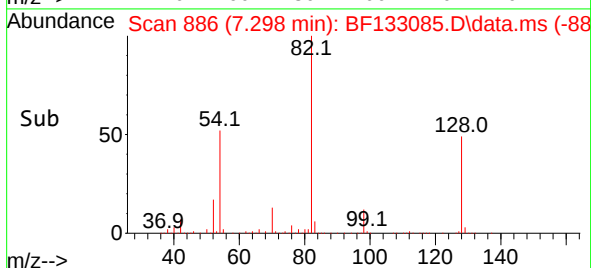
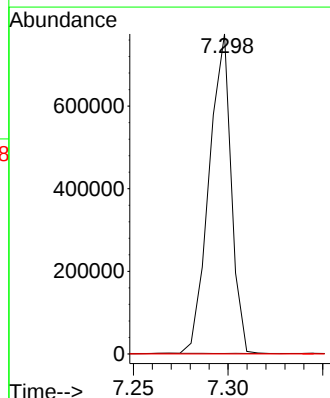
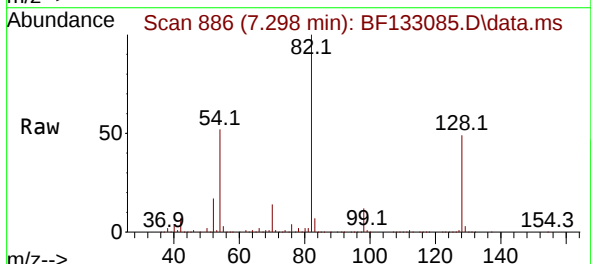
Tgt Ion: 82 Resp: 630836

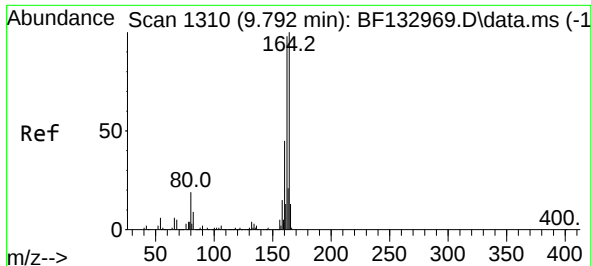
Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.0#

138 0.0 16.0 24.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.768 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

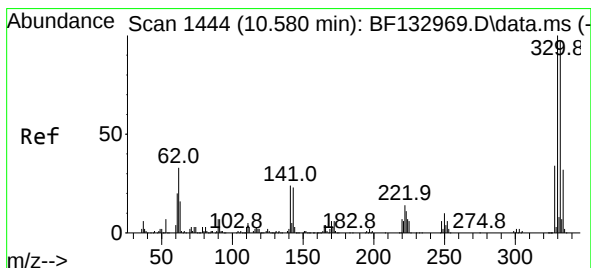
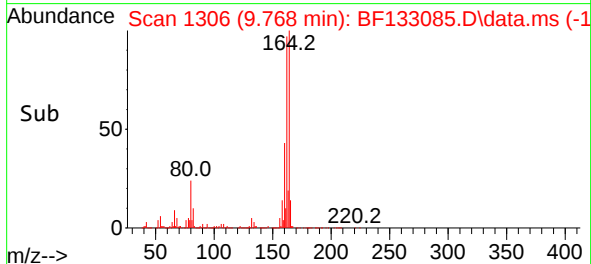
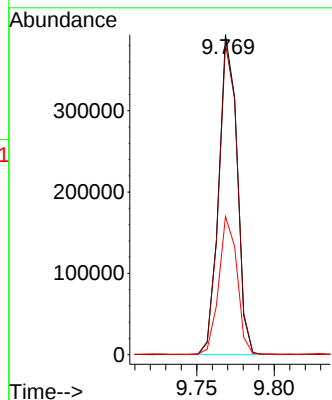
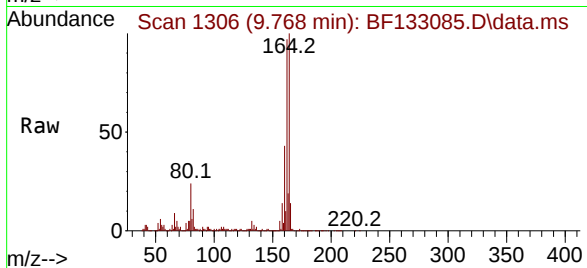
Tgt Ion:164 Resp: 323076

Ion Ratio Lower Upper

164 100

162 97.2 78.7 118.1

160 43.2 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 3.062 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

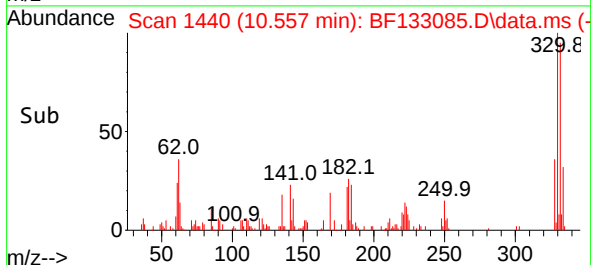
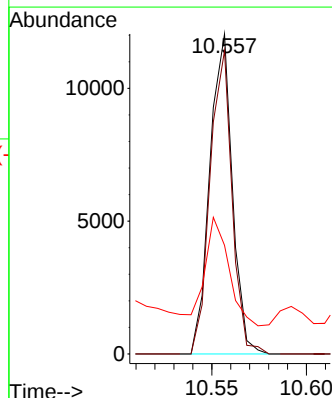
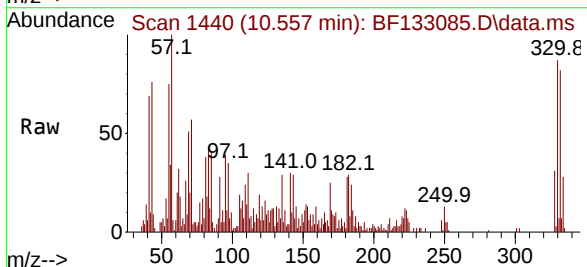
Tgt Ion:330 Resp: 9948

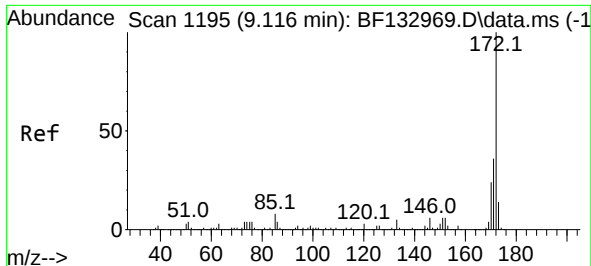
Ion Ratio Lower Upper

330 100

332 92.4 77.1 115.7

141 36.5 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 59.447 ng

RT: 9.098 min Scan# 1195

Delta R.T. -0.000 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

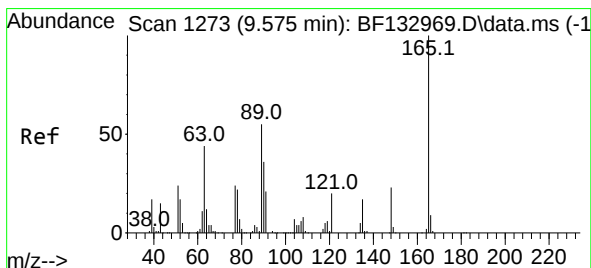
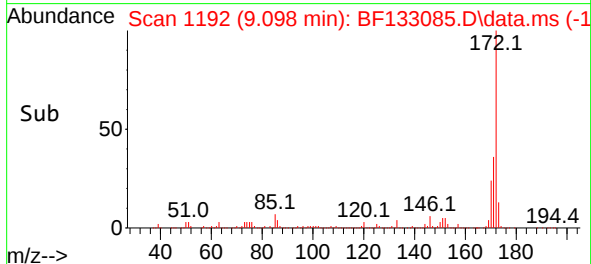
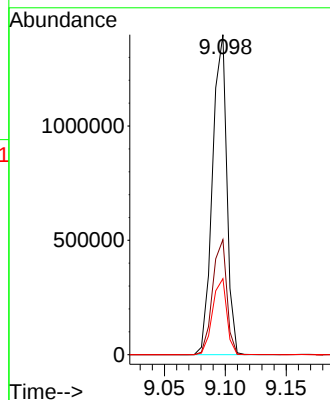
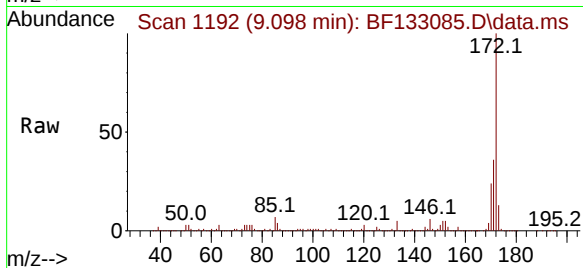
Tgt Ion:172 Resp: 1147985

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.8 19.4 29.2



#51

2,6-Dinitrotoluene

Concen: 9.377 ng

RT: 9.768 min Scan# 1306

Delta R.T. 0.212 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

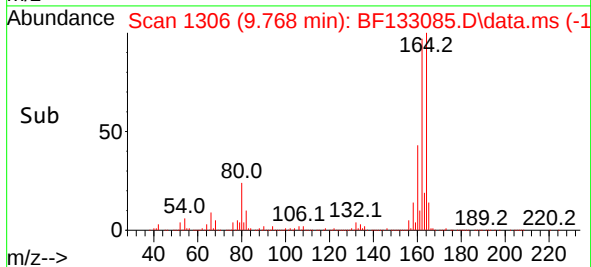
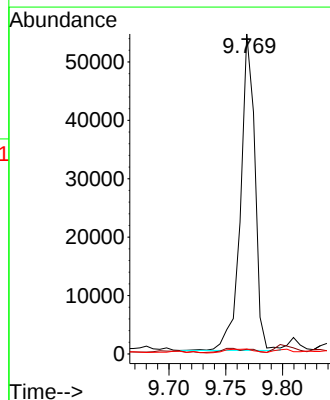
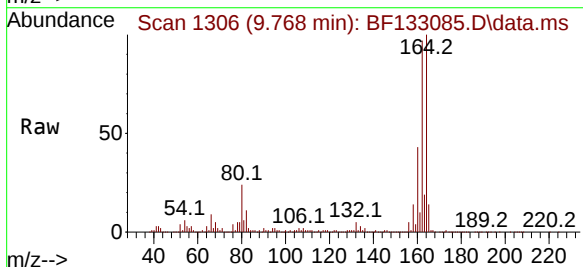
Tgt Ion:165 Resp: 47544

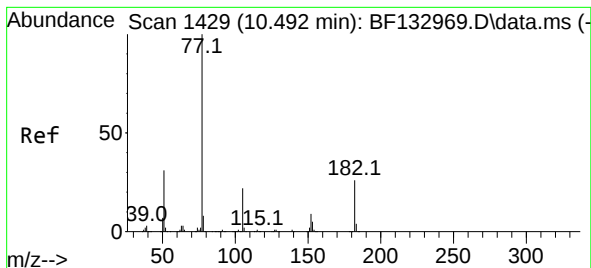
Ion Ratio Lower Upper

165 100

63 1.4 45.9 68.9#

89 1.5 44.0 66.0#





#63

Azobenzene

Concen: 6.319 ng

RT: 10.480 min Scan# 14

Delta R.T. 0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

Tgt Ion: 77 Resp: 142434

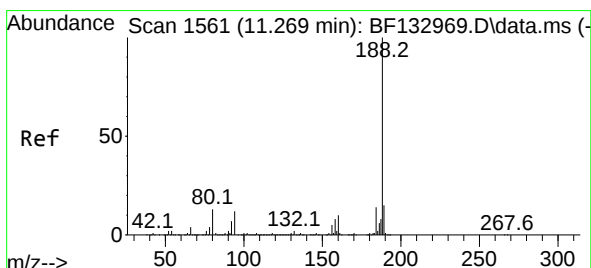
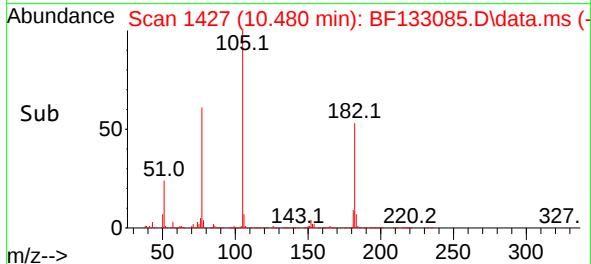
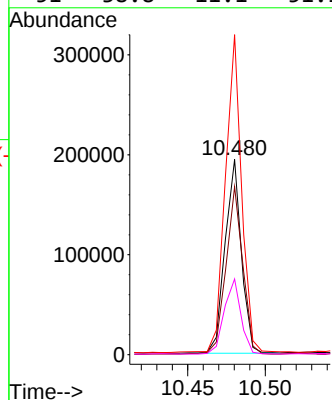
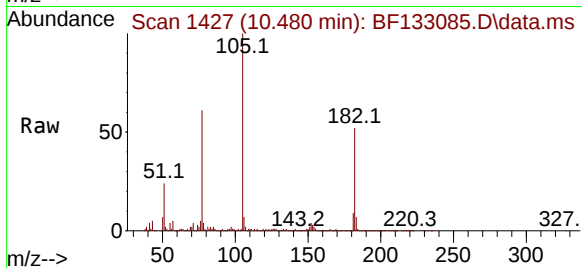
Ion Ratio Lower Upper

77 100

182 86.0 5.9 45.9#

105 163.9 2.3 42.3#

51 38.8 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1558

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

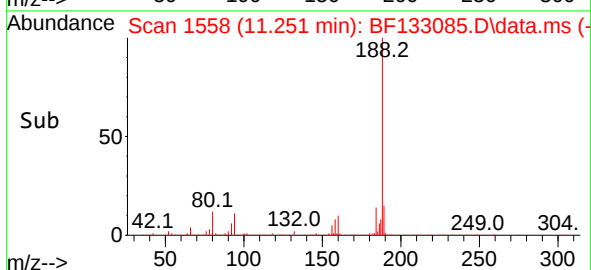
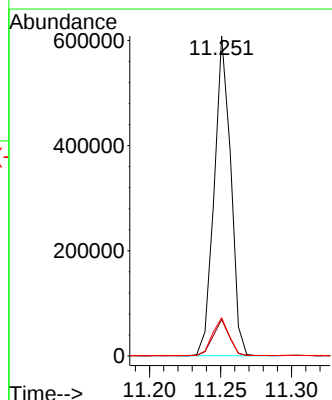
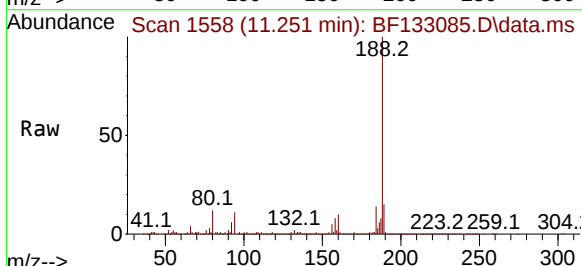
Tgt Ion:188 Resp: 491217

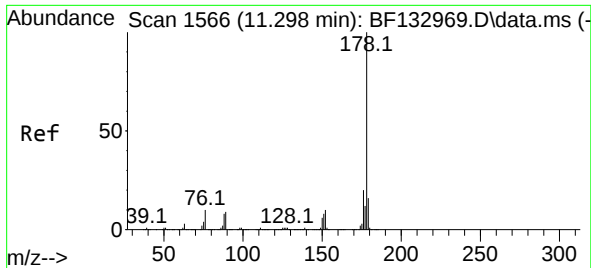
Ion Ratio Lower Upper

188 100

94 11.4 9.7 14.5

80 11.9 10.4 15.6

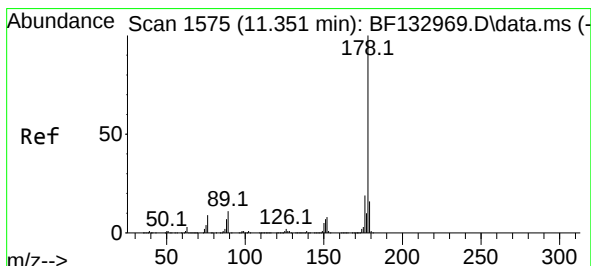
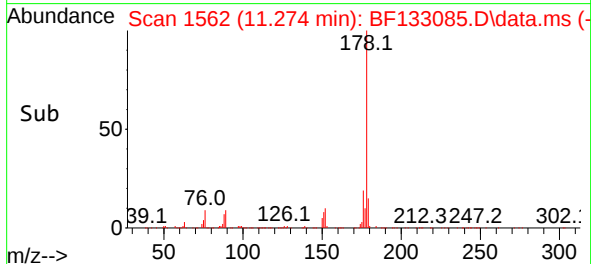
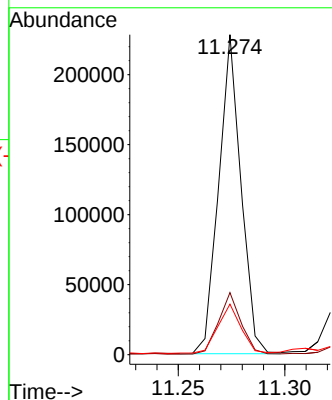
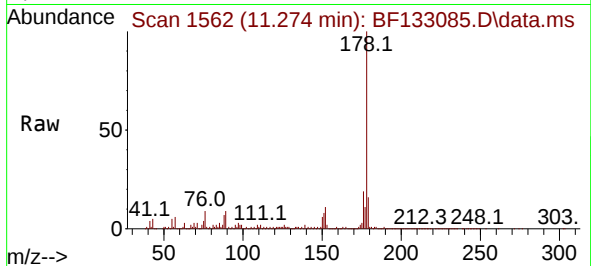




#71
Phenanthrene
Concen: 6.263 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

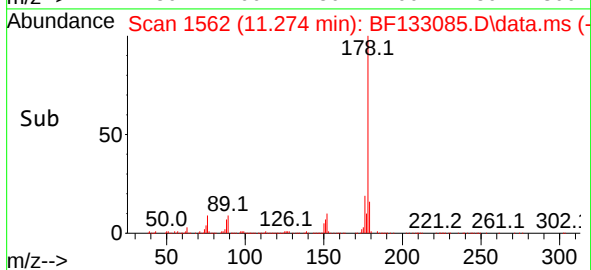
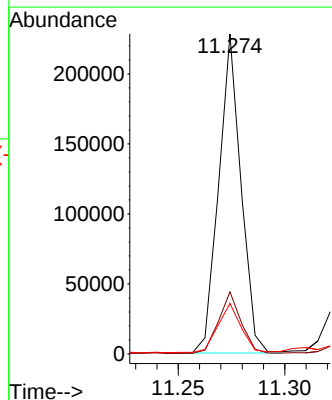
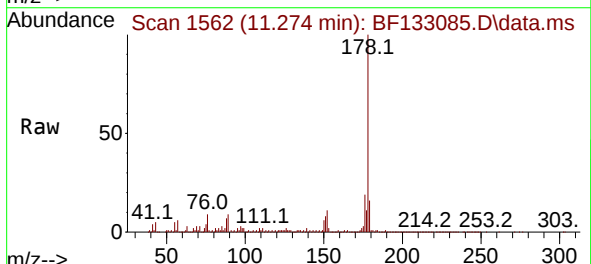
Instrument :
BNA_F
ClientSampleId :
CRCA-1

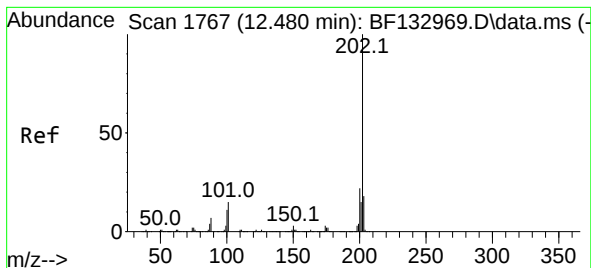
Tgt Ion:178 Resp: 165348
Ion Ratio Lower Upper
178 100
176 19.4 15.9 23.9
179 15.8 12.5 18.7



#72
Anthracene
Concen: 6.120 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.059 min
Lab File: BF133085.D
Acq: 27 Apr 2023 01:37

Tgt Ion:178 Resp: 165348
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.8 12.4 18.6





#75

Fluoranthene

Concen: 7.505 ng

RT: 12.462 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

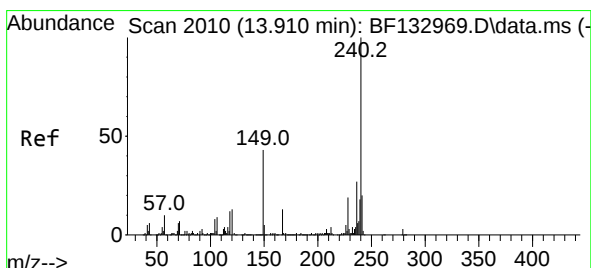
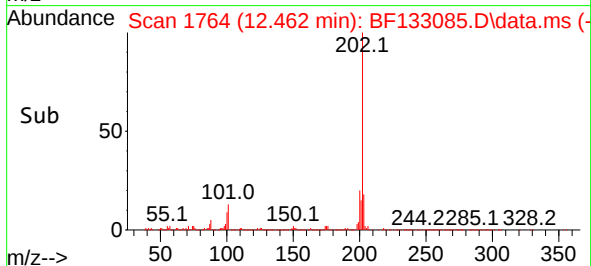
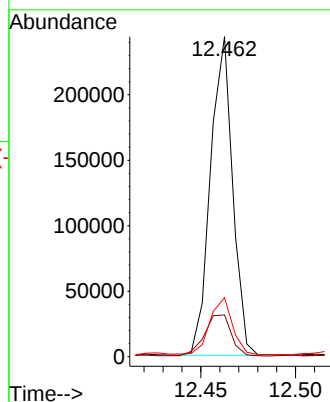
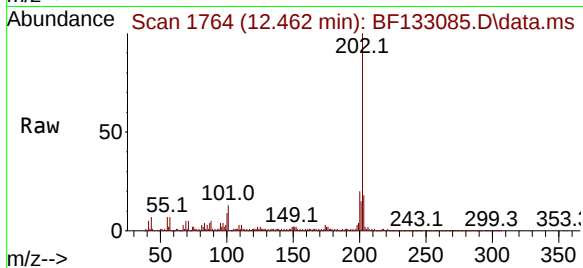
Tgt Ion:202 Resp: 198867

Ion Ratio Lower Upper

202 100

101 13.1 0.0 35.3

203 18.5 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.886 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

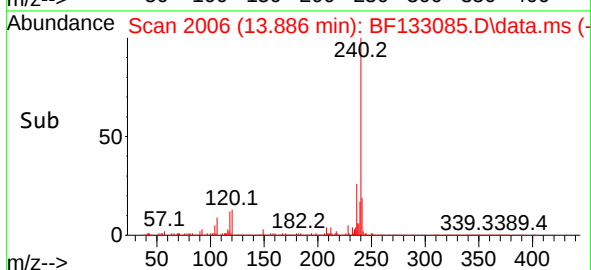
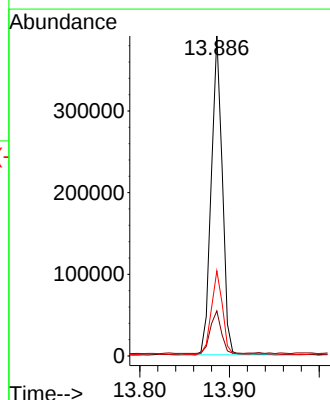
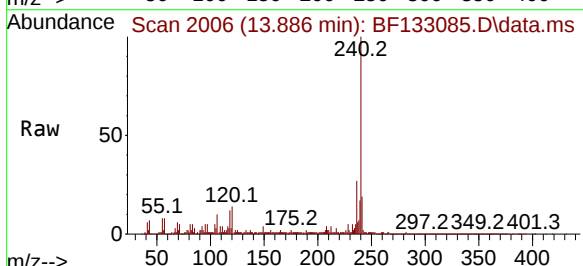
Tgt Ion:240 Resp: 332717

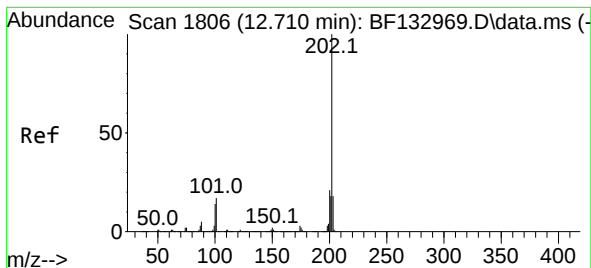
Ion Ratio Lower Upper

240 100

120 14.1 10.5 15.7

236 26.6 21.5 32.3





#78

Pyrene

Concen: 6.804 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

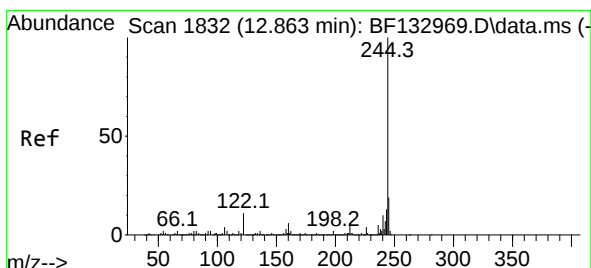
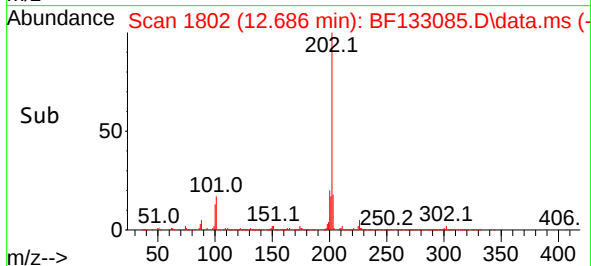
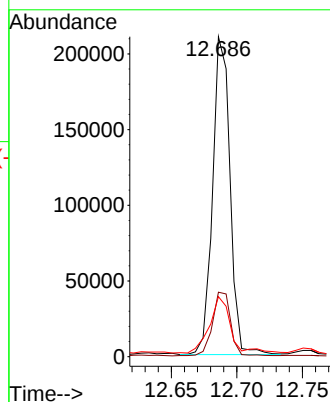
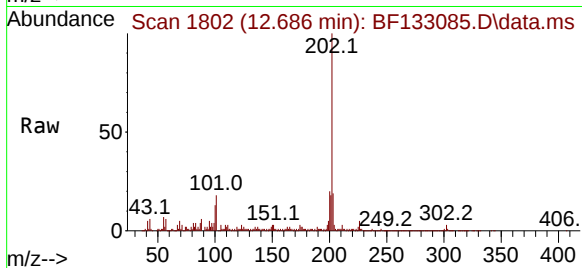
Tgt Ion:202 Resp: 194047

Ion Ratio Lower Upper

202 100

200 20.1 17.1 25.7

203 18.8 14.1 21.1



#79

Terphenyl-d14

Concen: 54.163 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

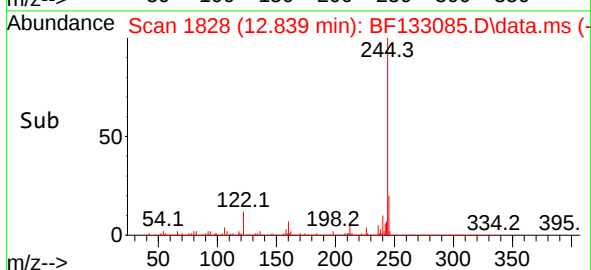
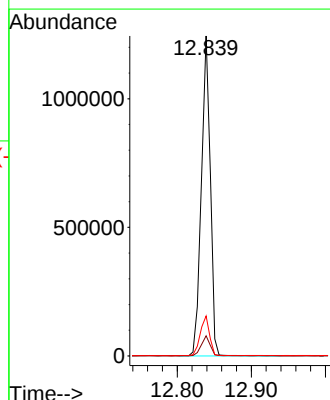
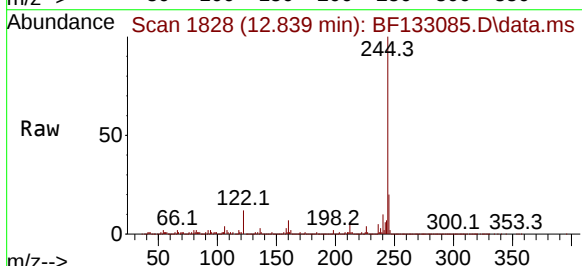
Tgt Ion:244 Resp: 1044891

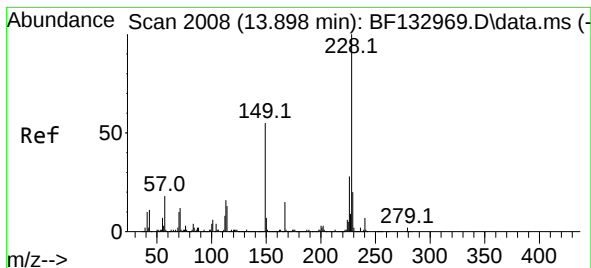
Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

122 12.5 8.6 13.0





#81

Benzo(a)anthracene

Concen: 3.214 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

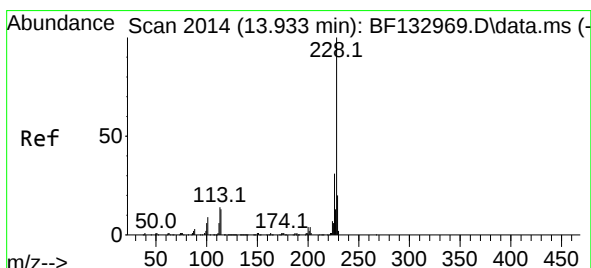
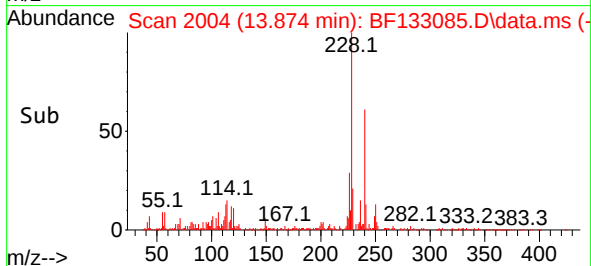
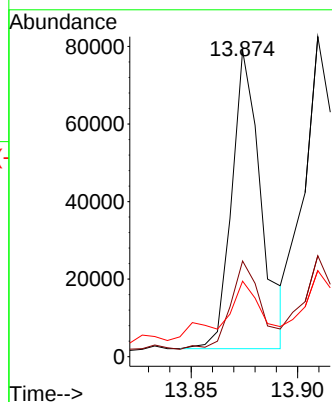
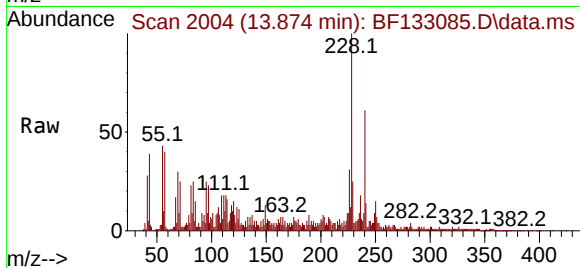
Tgt Ion:228 Resp: 73540

Ion Ratio Lower Upper

228 100

226 31.2 22.2 33.4

229 24.7 16.0 24.0#



#83

Chrysene

Concen: 3.437 ng

RT: 13.909 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

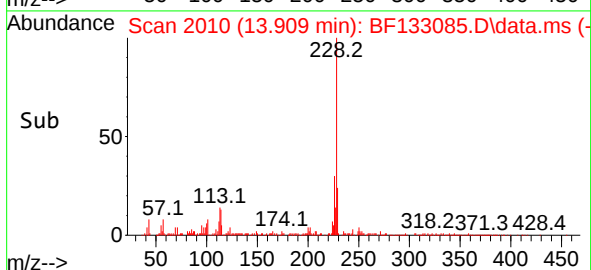
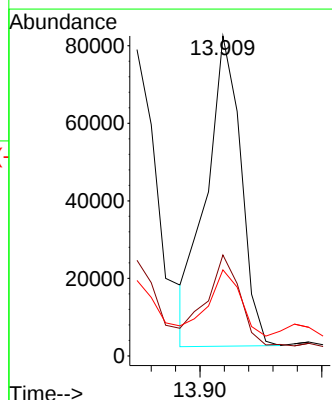
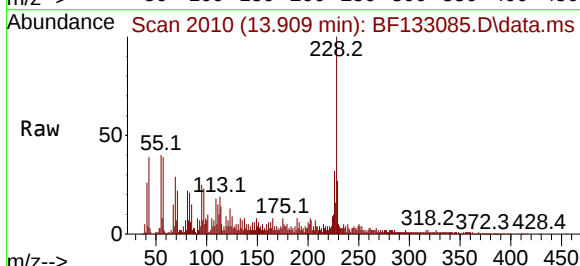
Tgt Ion:228 Resp: 78615

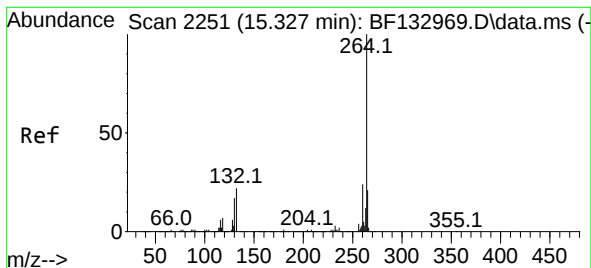
Ion Ratio Lower Upper

228 100

226 31.5 24.7 37.1

229 26.9 16.1 24.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.309 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

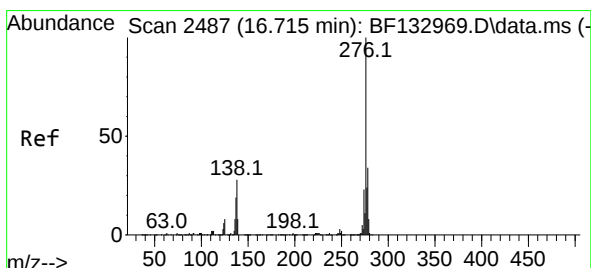
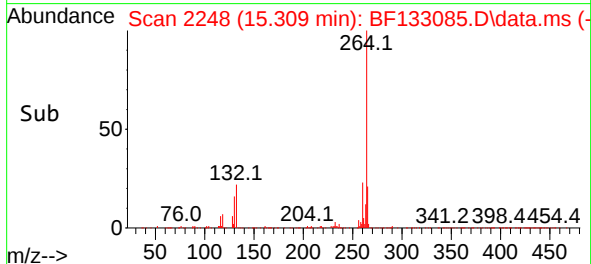
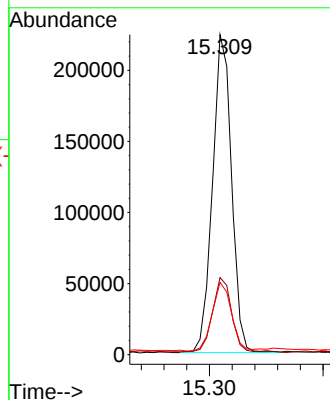
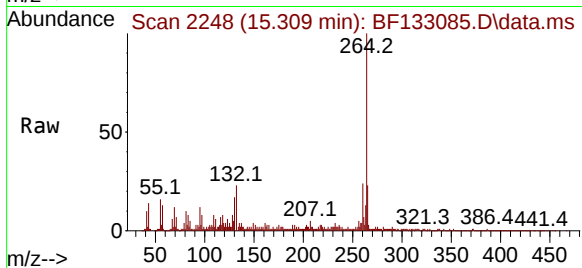
Tgt Ion:264 Resp: 260485

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.6 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.176 ng

RT: 16.686 min Scan# 2482

Delta R.T. -0.000 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

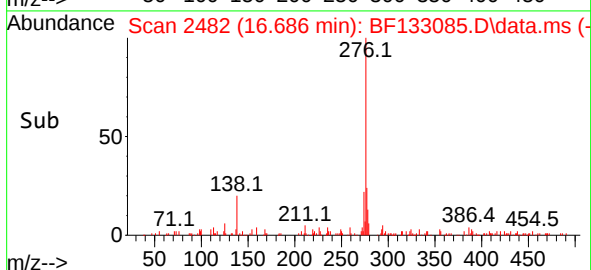
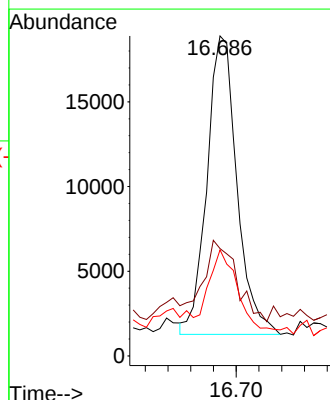
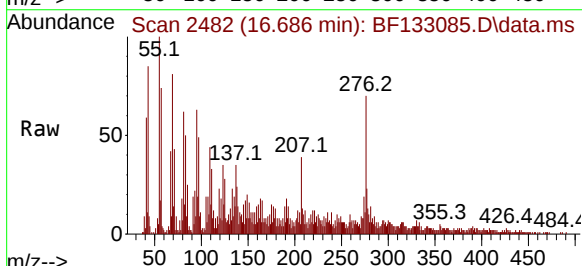
Tgt Ion:276 Resp: 32246

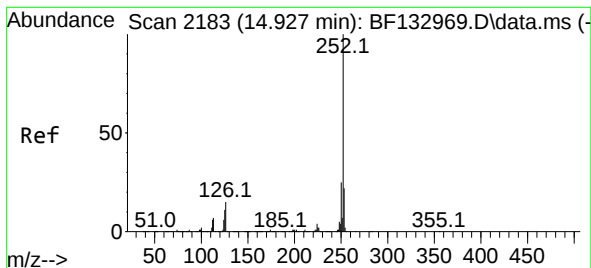
Ion Ratio Lower Upper

276 100

138 30.4 25.5 38.3

277 24.7 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 6.423 ng

RT: 14.903 min Scan# 2179

Delta R.T. -0.000 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

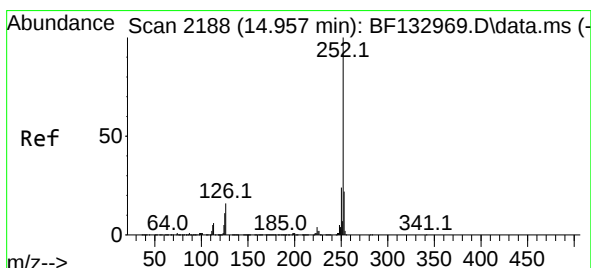
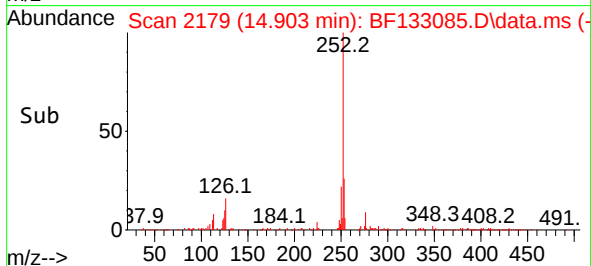
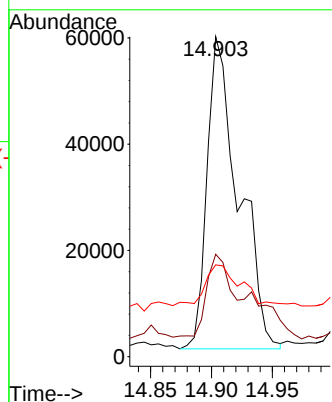
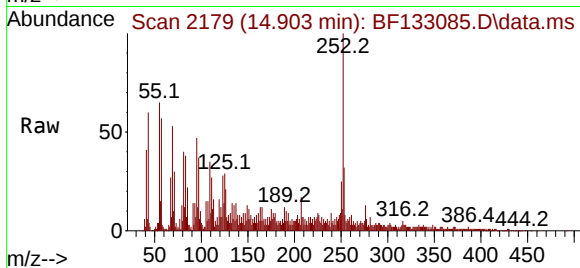
Tgt Ion:252 Resp: 106437

Ion Ratio Lower Upper

252 100

253 32.0 17.6 26.4#

125 28.7 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 6.479 ng

RT: 14.903 min Scan# 2179

Delta R.T. -0.030 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

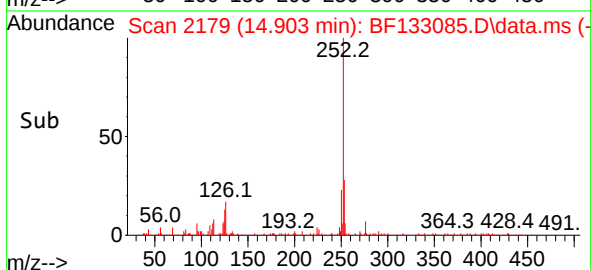
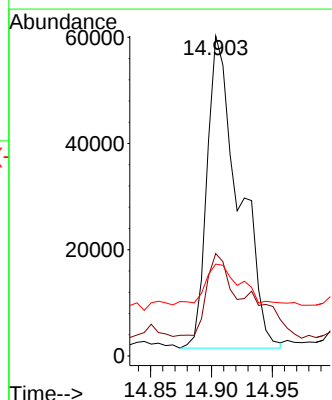
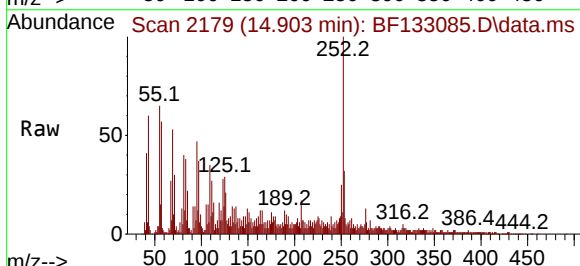
Tgt Ion:252 Resp: 106437

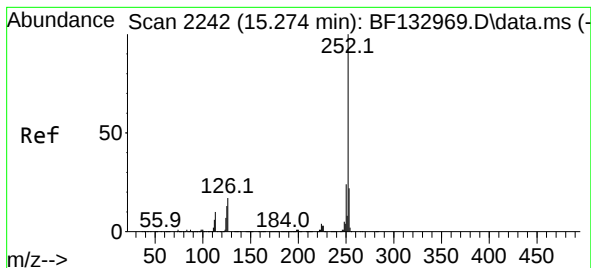
Ion Ratio Lower Upper

252 100

253 32.0 17.7 26.5#

125 28.7 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 3.565 ng

RT: 15.251 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Instrument :

BNA_F

ClientSampleId :

CRCA-1

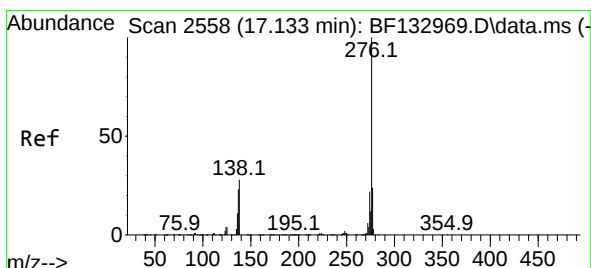
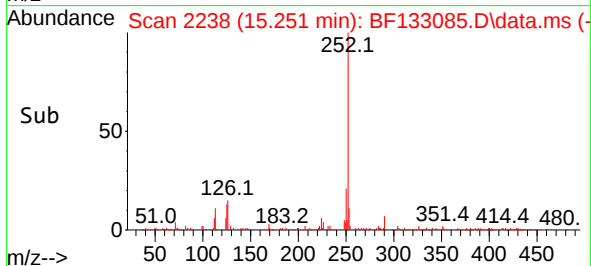
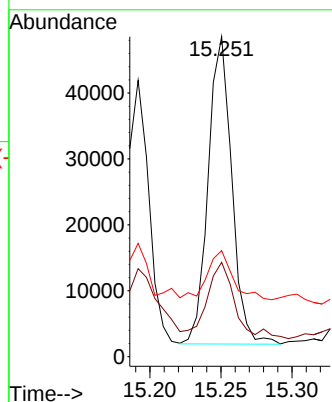
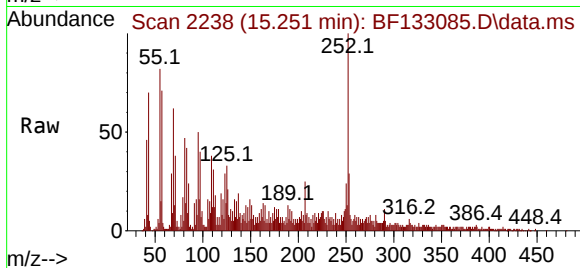
Tgt Ion:252 Resp: 53778

Ion Ratio Lower Upper

252 100

253 29.5 17.7 26.5#

125 33.1 10.5 15.7#



#92

Benzo(g,h,i)perylene

Concen: 2.896 ng

RT: 17.103 min Scan# 2553

Delta R.T. 0.006 min

Lab File: BF133085.D

Acq: 27 Apr 2023 01:37

Tgt Ion:276 Resp: 35327

Ion Ratio Lower Upper

276 100

277 28.8 19.4 29.0

138 35.6 22.7 34.1#

