

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
 Data File : BF134912.D
 Acq On : 23 Aug 2023 19:18
 Operator : CG\JU
 Sample : 04082-03 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 364

Quant Time: Aug 24 04:29:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

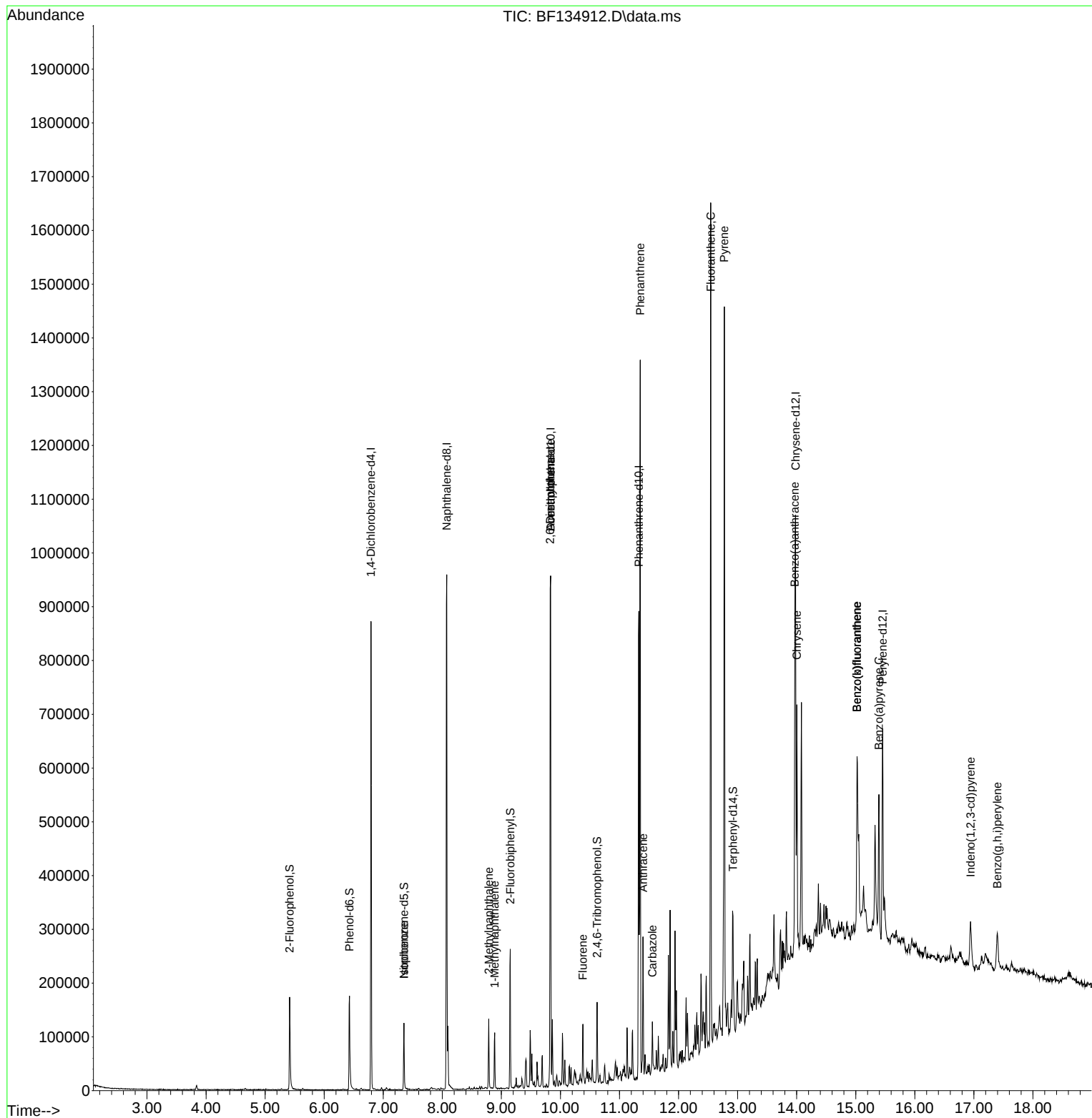
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	114989	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	433798	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	198538	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	330024	20.000	ng	0.00
76) Chrysene-d12	13.980	240	210375	20.000	ng	0.00
86) Perylene-d12	15.457	264	182446	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	51147	7.093	ng	0.00
7) Phenol-d6	6.428	99	65786	7.140	ng	-0.01
23) Nitrobenzene-d5	7.351	82	36551	4.643	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	11906	5.092	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	78424	6.106	ng	0.00
79) Terphenyl-d14	12.921	244	72119	4.715	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.204	107	63	Below Cal	#	35
25) Isophorone	7.351	82	35119	2.389	ng	# 64
37) 2-Methylnaphthalene	8.786	142	33350	2.309	ng	96
38) 1-Methylnaphthalene	8.886	142	27956	2.070	ng	98
50) Dimethylphthalate	9.833	163	40237	2.847	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	26914	8.635	ng	# 29
58) Fluorene	10.380	166	28694	2.288	ng	98
71) Phenanthrene	11.351	178	481785	27.859	ng	99
72) Anthracene	11.398	178	90558	5.111	ng	99
73) Carbazole	11.557	167	34079	2.334	ng	97
75) Fluoranthene	12.545	202	576459	35.180	ng	100
78) Pyrene	12.774	202	532477	23.872	ng	99
81) Benzo(a)anthracene	13.968	228	201761	14.057	ng	97
83) Chrysene	14.004	228	173316	12.238	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	61206	4.693	ng	96
88) Benzo(b)fluoranthene	15.021	252	233477	22.682	ng	98
89) Benzo(k)fluoranthene	15.021	252	233477	23.098	ng	# 96
90) Benzo(a)pyrene	15.392	252	120812	11.757	ng	96
92) Benzo(g,h,i)perylene	17.398	276	59445	5.503	ng	99

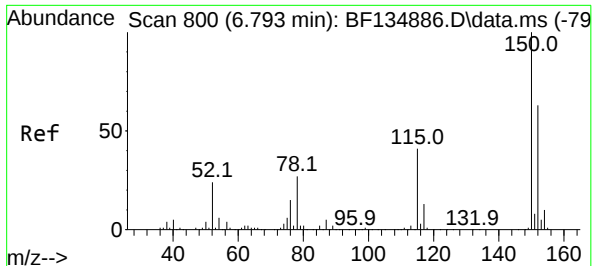
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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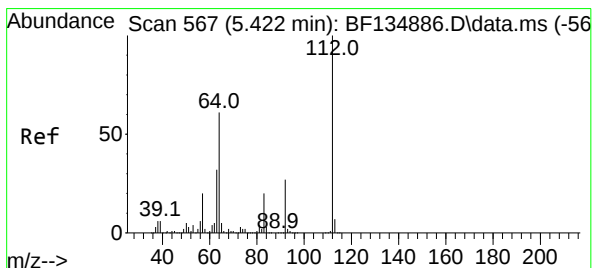
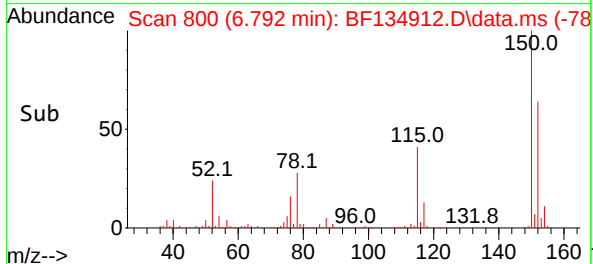
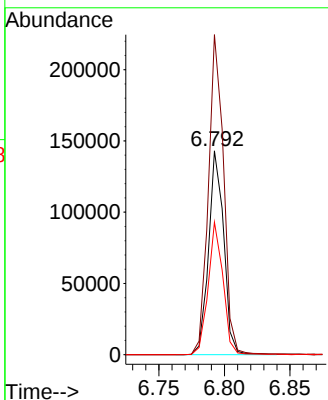
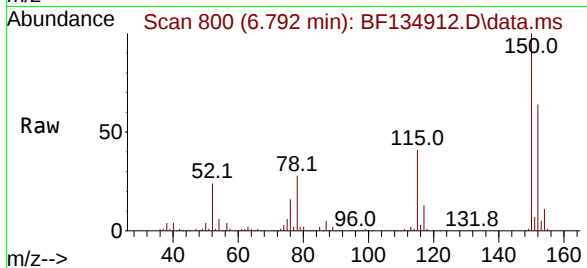




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.001 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

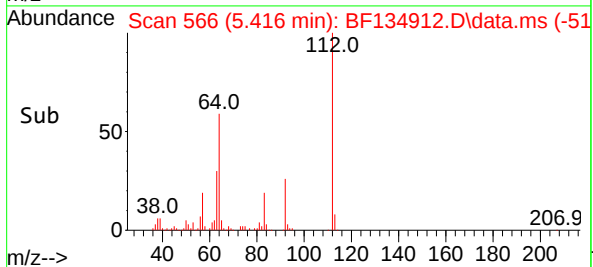
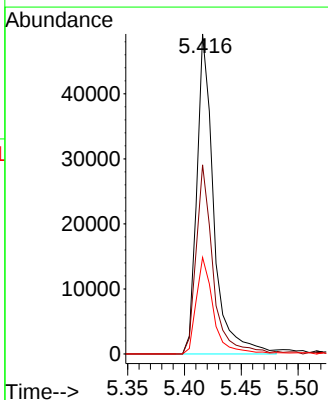
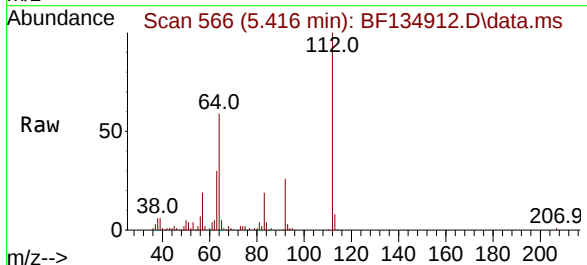
Instrument :
BNA_F
ClientSampleId :
364

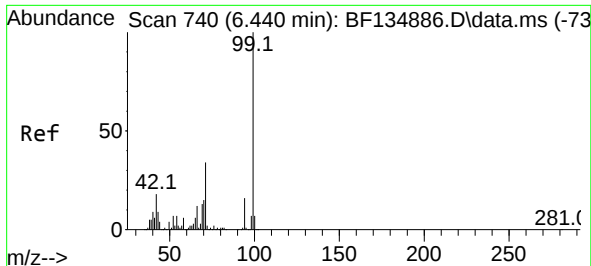
Tgt Ion:152 Resp: 114989
Ion Ratio Lower Upper
152 100
150 157.0 126.1 189.1
115 65.0 51.1 76.7



#5
2-Fluorophenol
Concen: 7.093 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

Tgt Ion:112 Resp: 51147
Ion Ratio Lower Upper
112 100
64 59.1 48.6 73.0
63 30.1 25.7 38.5

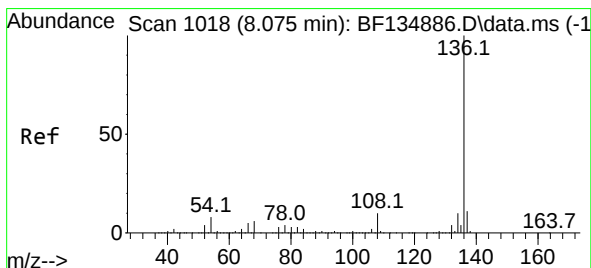
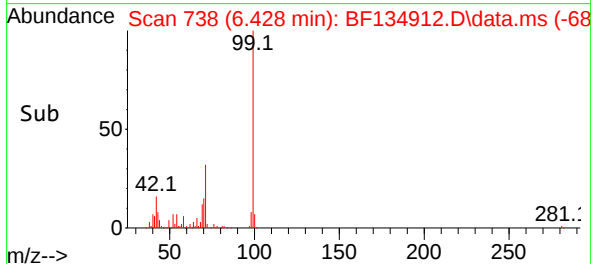
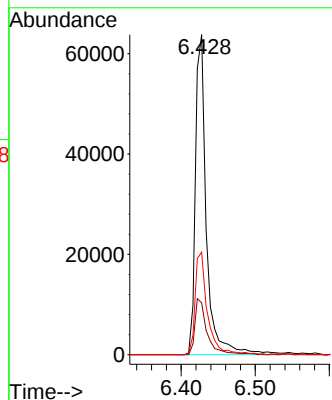
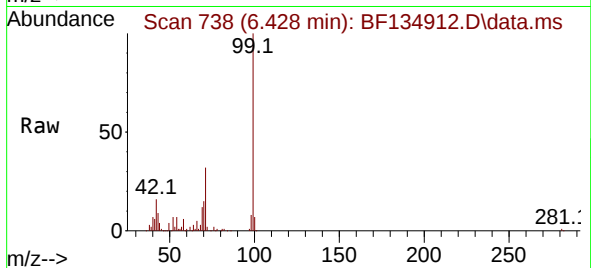




#7
Phenol-d6
Concen: 7.140 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

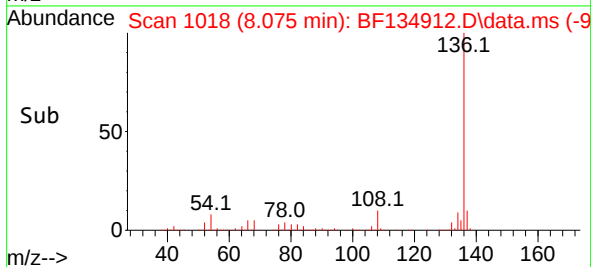
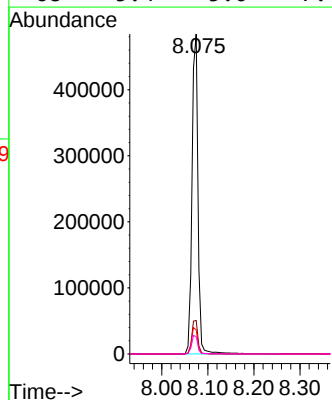
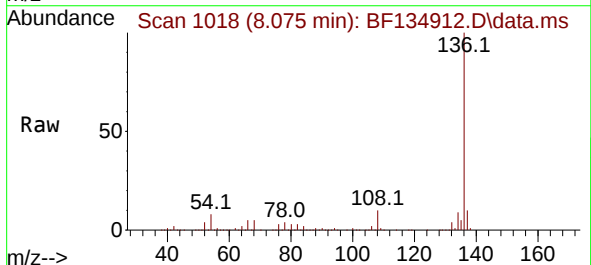
Instrument :
BNA_F
ClientSampleId :
364

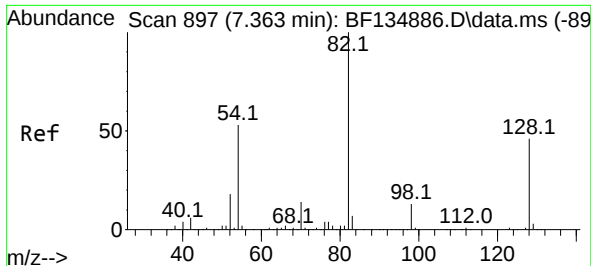
Tgt Ion: 99 Resp: 65786
Ion Ratio Lower Upper
99 100
42 16.2 14.6 22.0
71 32.0 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

Tgt Ion: 136 Resp: 433798
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 7.5 6.6 9.8
68 5.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 4.643 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

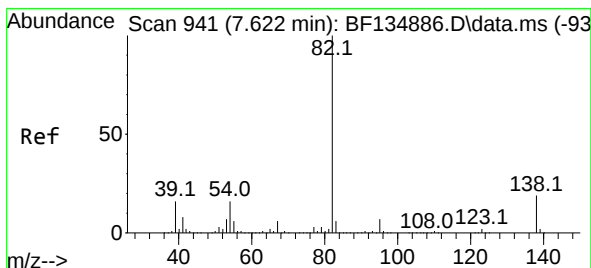
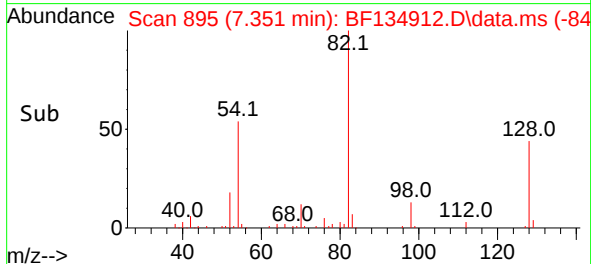
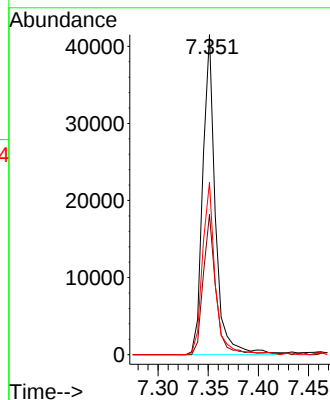
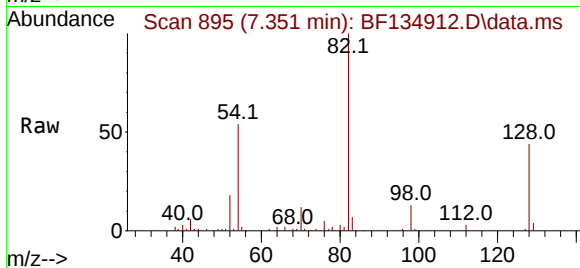
Tgt Ion: 82 Resp: 36551

Ion Ratio Lower Upper

82 100

128 43.9 36.6 54.8

54 53.8 42.6 63.8



#25

Isophorone

Concen: 2.389 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.271 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

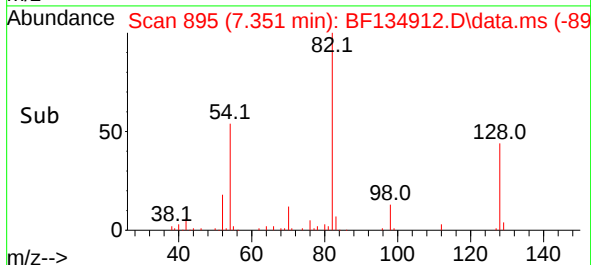
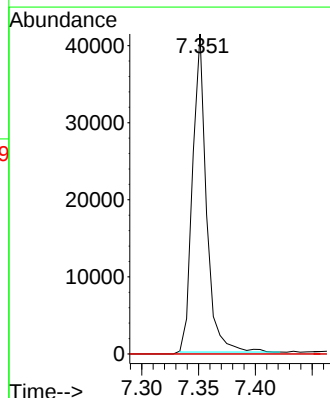
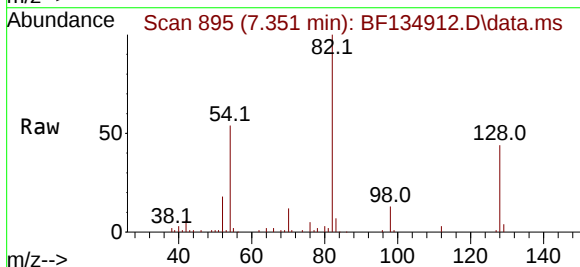
Tgt Ion: 82 Resp: 35119

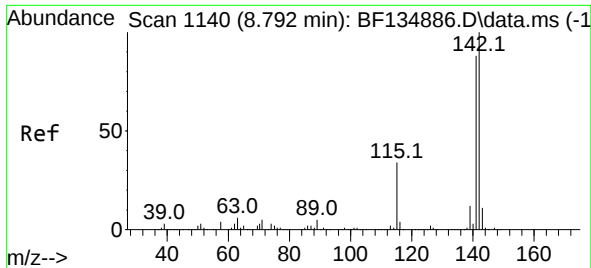
Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 14.9 22.3#





#37

2-Methylnaphthalene

Concen: 2.309 ng

RT: 8.786 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

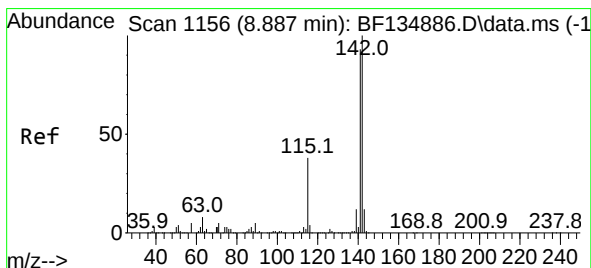
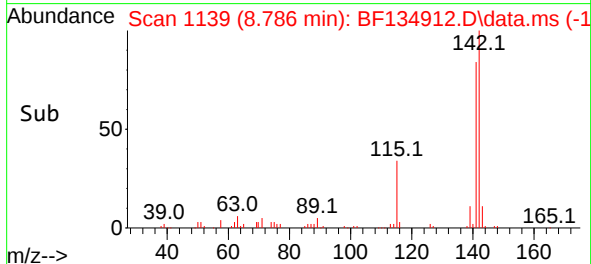
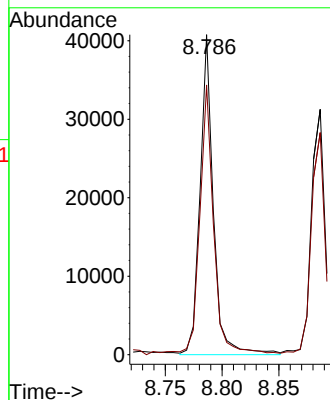
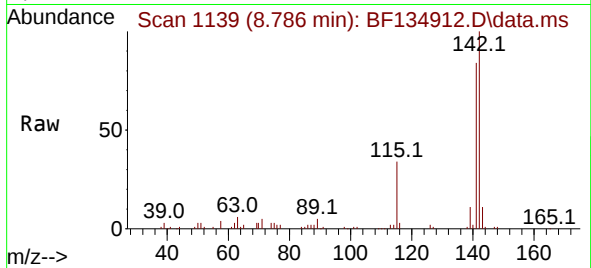
364

Tgt Ion:142 Resp: 33350

Ion Ratio Lower Upper

142 100

141 84.3 70.2 105.2



#38

1-Methylnaphthalene

Concen: 2.070 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.000 min

Lab File: BF134912.D

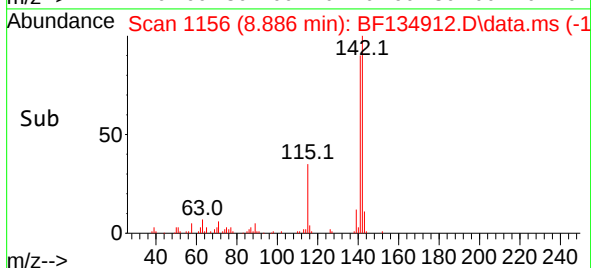
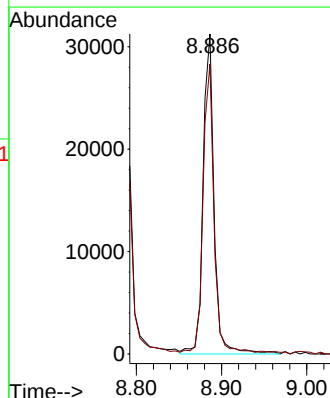
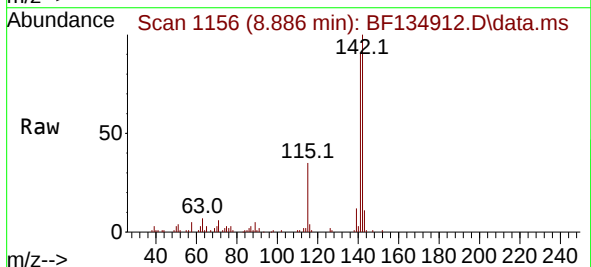
Acq: 23 Aug 2023 19:18

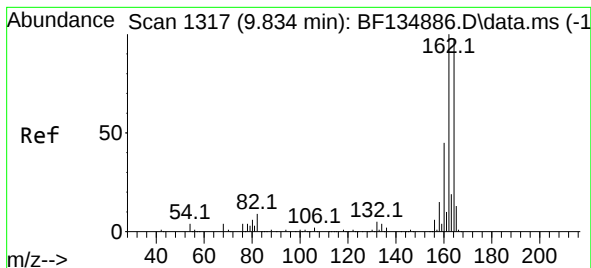
Tgt Ion:142 Resp: 27956

Ion Ratio Lower Upper

142 100

141 90.6 74.1 111.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

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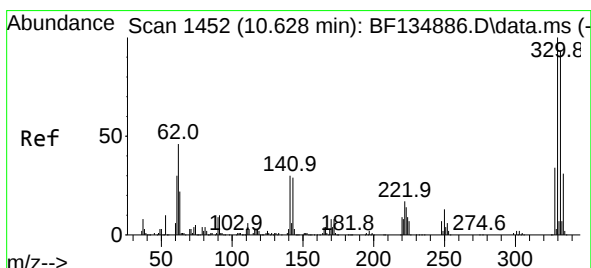
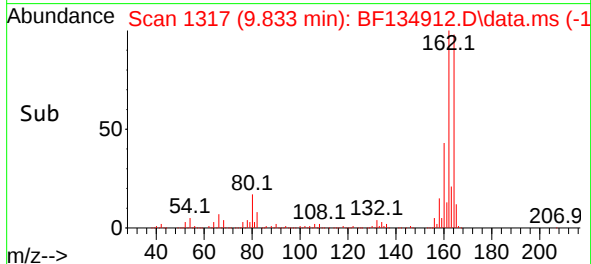
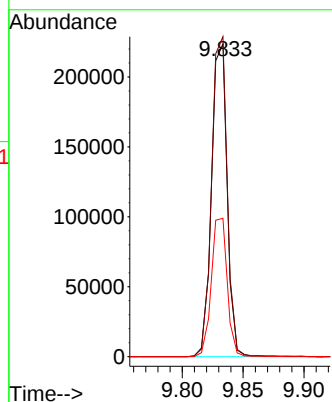
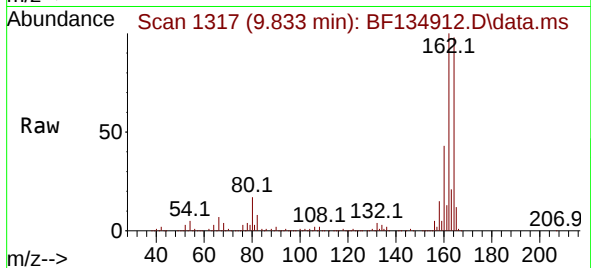
Tgt Ion:164 Resp: 198538

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

160 44.2 37.0 55.4



#42

2,4,6-Tribromophenol

Concen: 5.092 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

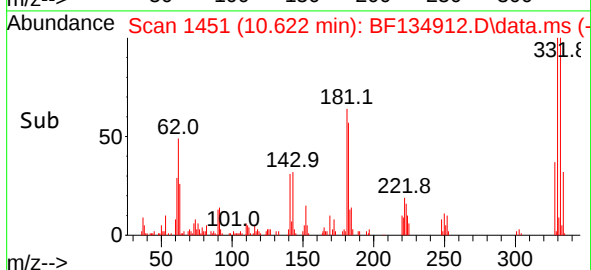
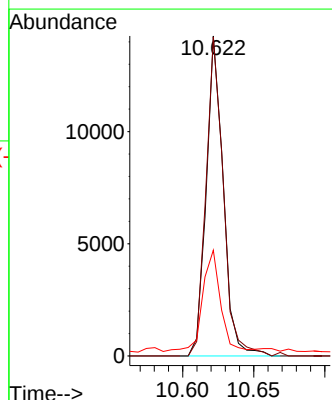
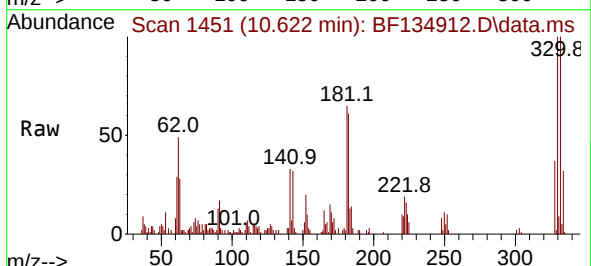
Tgt Ion:330 Resp: 11906

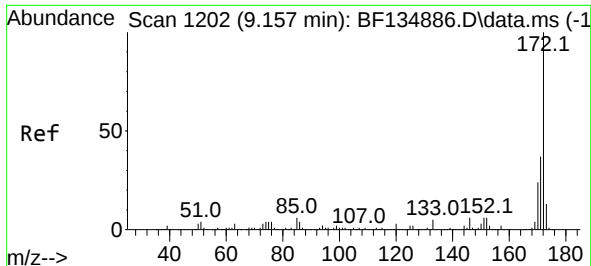
Ion Ratio Lower Upper

330 100

332 101.7 76.3 114.5

141 31.4 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 6.106 ng

RT: 9.151 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

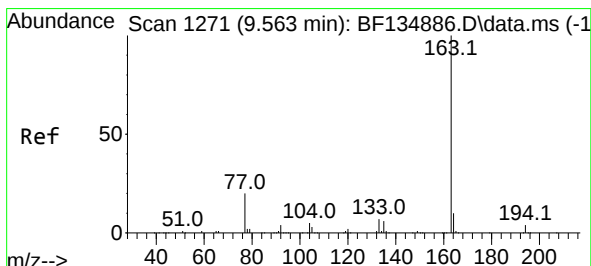
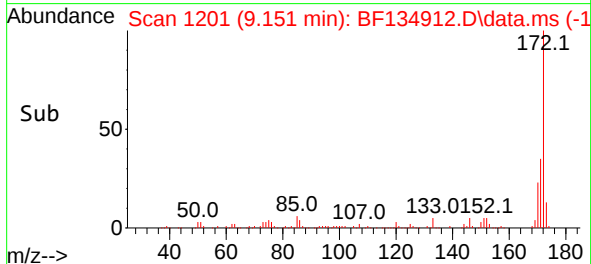
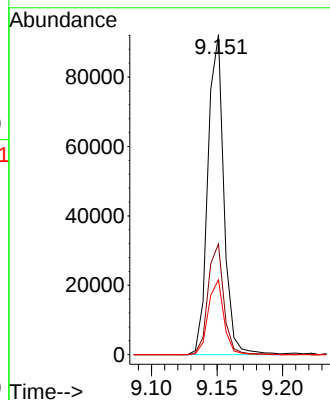
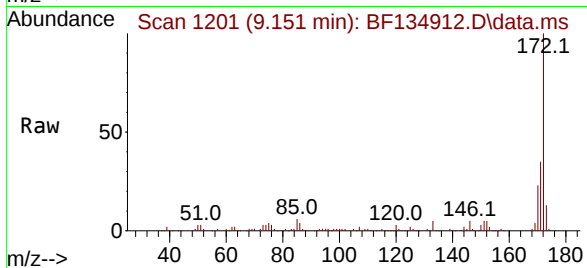
Tgt Ion:172 Resp: 78424

Ion Ratio Lower Upper

172 100

171 34.6 29.4 44.0

170 23.4 19.6 29.4



#50

Dimethylphthalate

Concen: 2.847 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.270 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

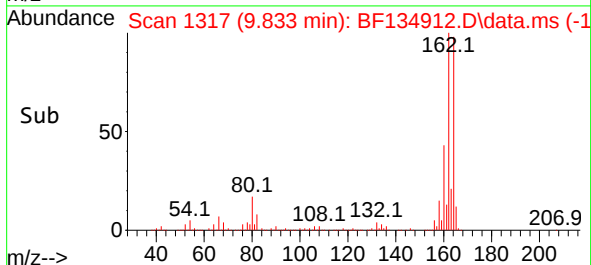
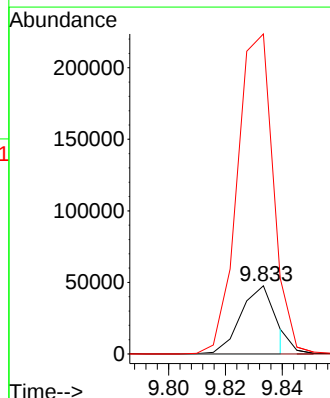
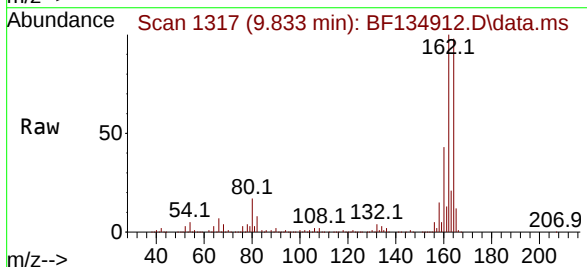
Tgt Ion:163 Resp: 40237

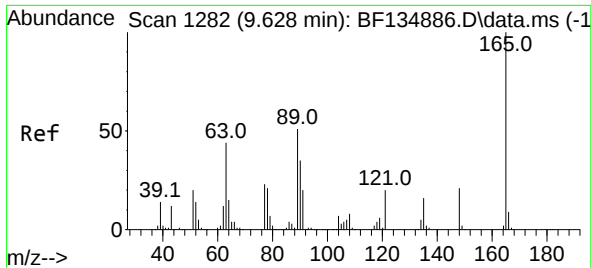
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 469.1 8.2 12.4#

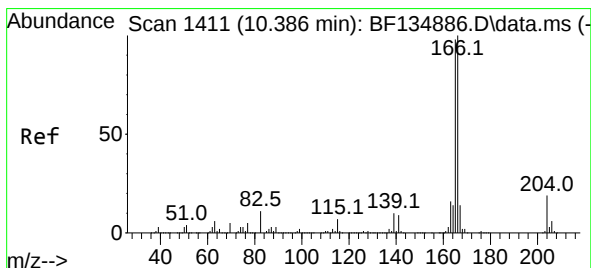
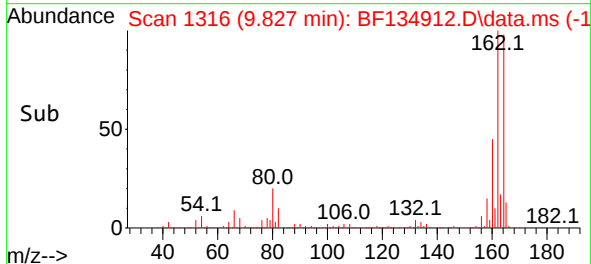
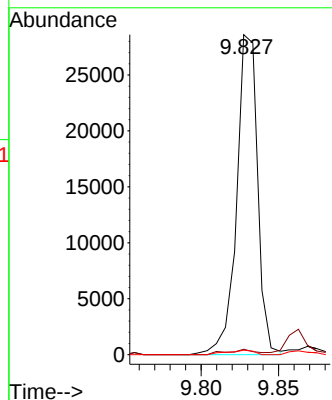
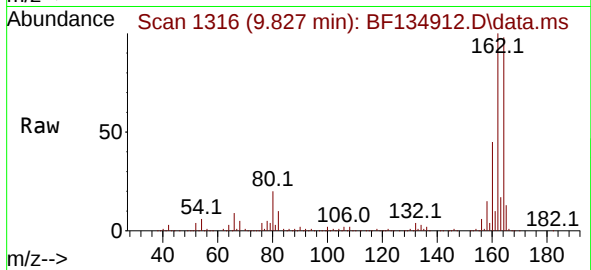




#51
2,6-Dinitrotoluene
Concen: 8.635 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.199 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

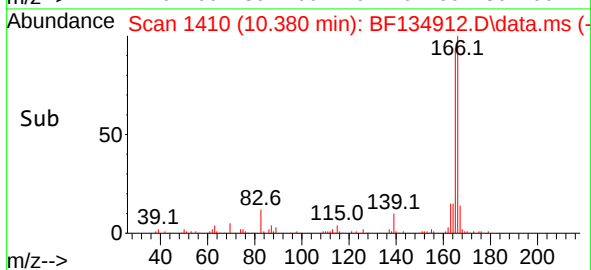
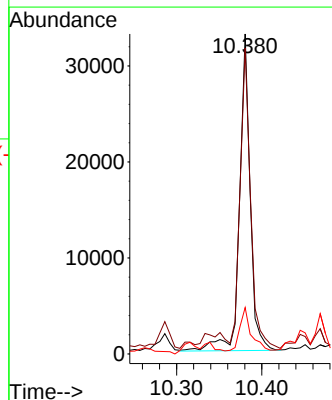
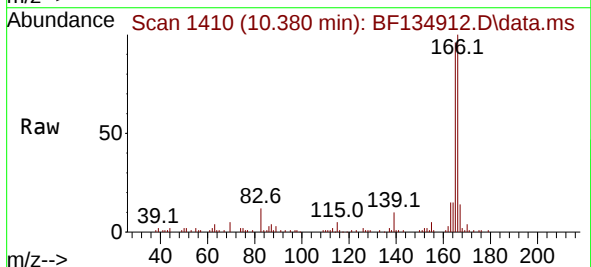
Instrument :
BNA_F
ClientSampleId :
364

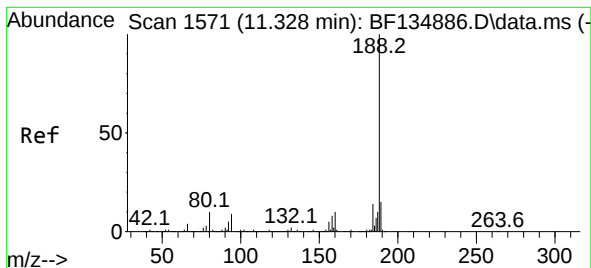
Tgt Ion:165 Resp: 26914
Ion Ratio Lower Upper
165 100
63 1.7 41.4 62.2#
89 1.4 40.9 61.3#



#58
Fluorene
Concen: 2.288 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

Tgt Ion:166 Resp: 28694
Ion Ratio Lower Upper
166 100
165 95.6 78.5 117.7
167 14.5 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

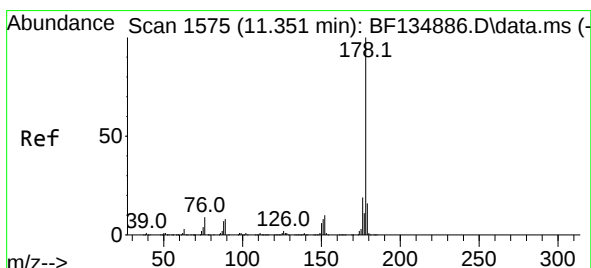
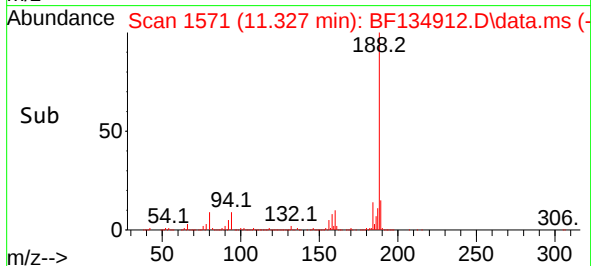
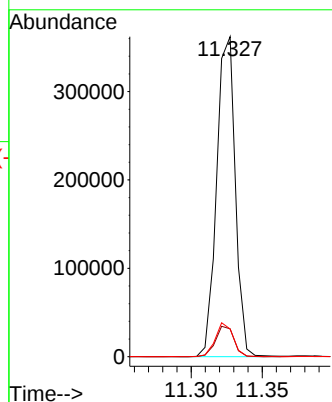
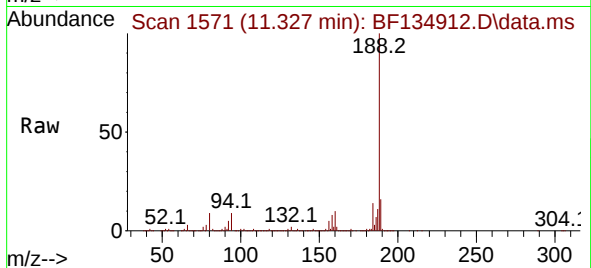
Tgt Ion:188 Resp: 330024

Ion Ratio Lower Upper

188 100

94 8.7 7.5 11.3

80 8.7 7.8 11.6



#71

Phenanthrene

Concen: 27.859 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

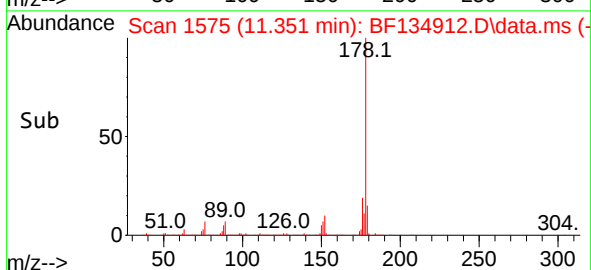
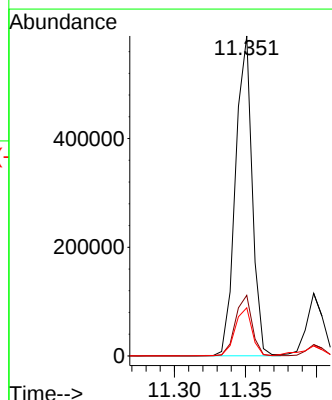
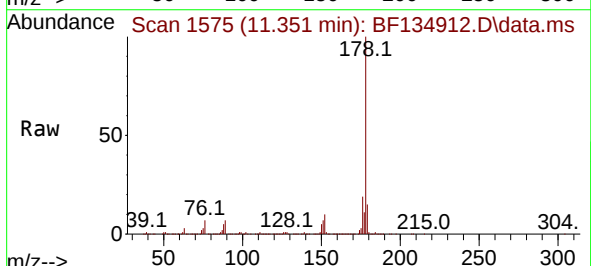
Tgt Ion:178 Resp: 481785

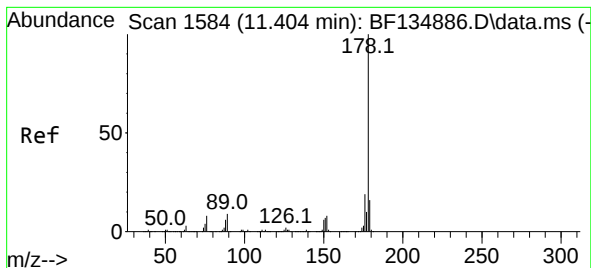
Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

179 15.0 12.6 19.0





#72

Anthracene

Concen: 5.111 ng

RT: 11.398 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

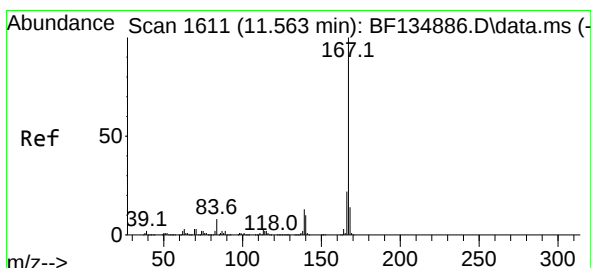
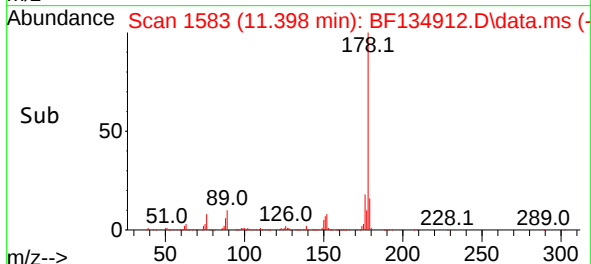
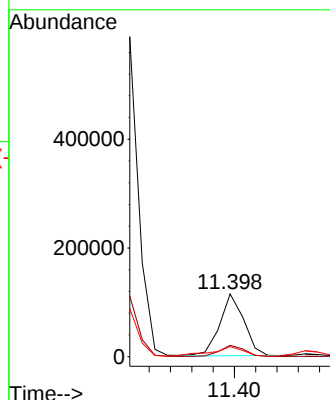
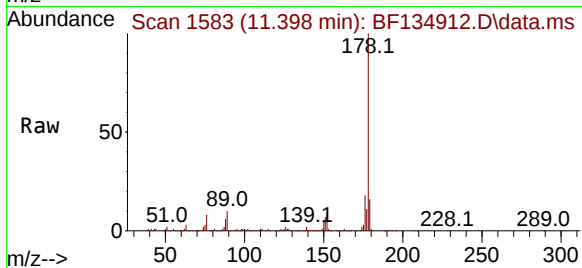
Tgt Ion:178 Resp: 90558

Ion Ratio Lower Upper

178 100

176 18.1 15.0 22.6

179 16.1 12.5 18.7



#73

Carbazole

Concen: 2.334 ng

RT: 11.557 min Scan# 1610

Delta R.T. -0.006 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

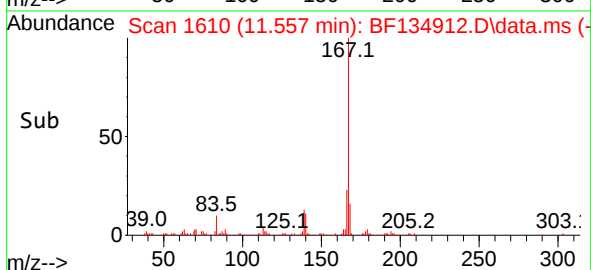
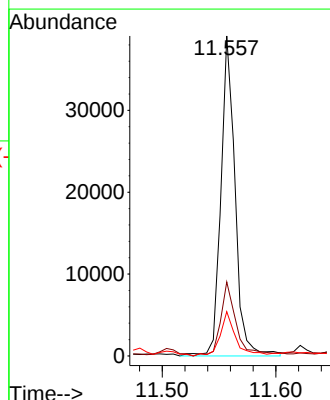
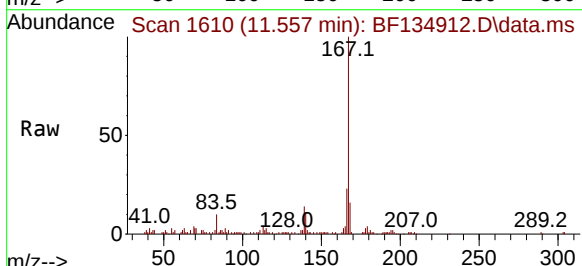
Tgt Ion:167 Resp: 34079

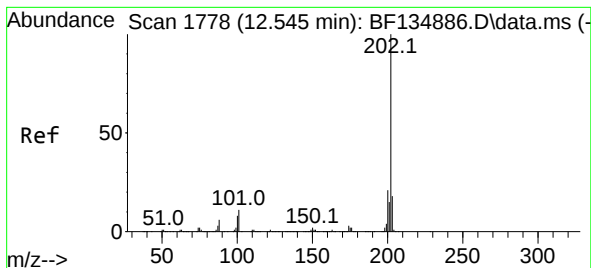
Ion Ratio Lower Upper

167 100

166 23.2 17.4 26.2

139 13.9 10.4 15.6





#75

Fluoranthene

Concen: 35.180 ng

RT: 12.545 min Scan# 1778

Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

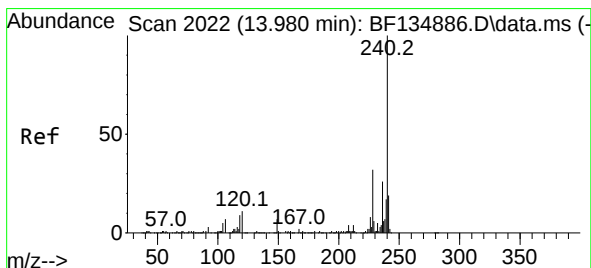
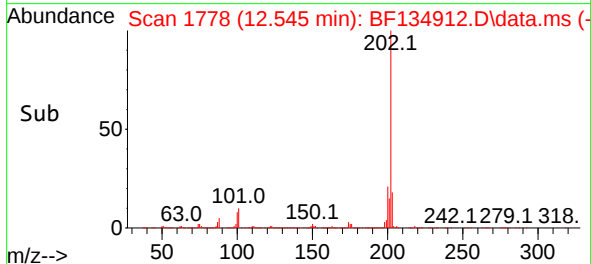
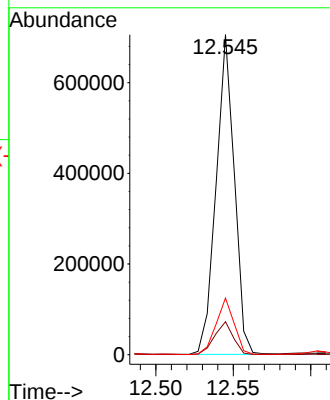
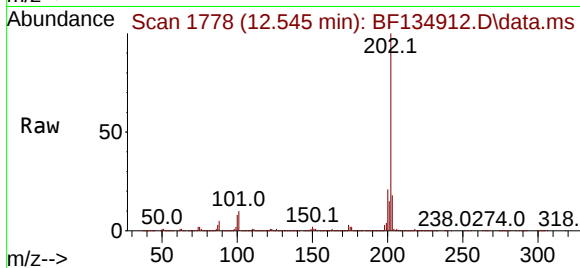
Tgt Ion:202 Resp: 576459

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.5

203 17.7 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

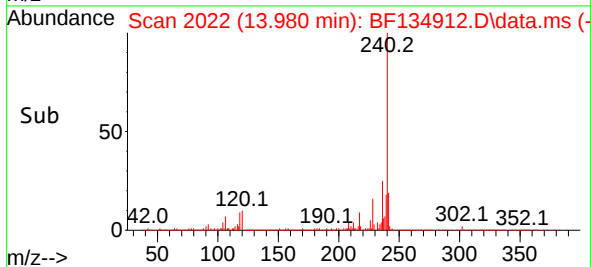
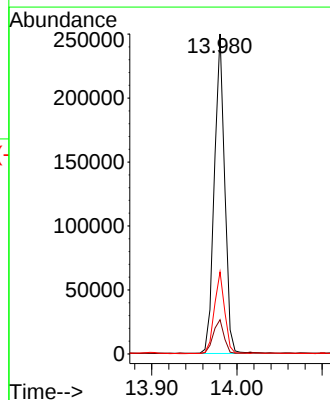
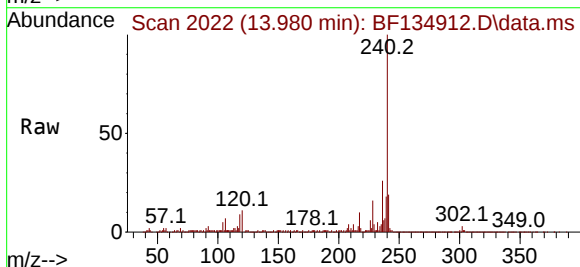
Tgt Ion:240 Resp: 210375

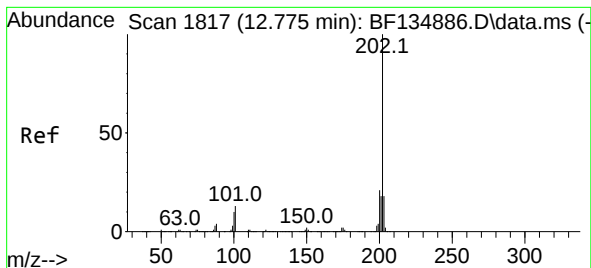
Ion Ratio Lower Upper

240 100

120 10.7 8.6 12.8

236 25.7 20.6 31.0





#78

Pyrene

Concen: 23.872 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

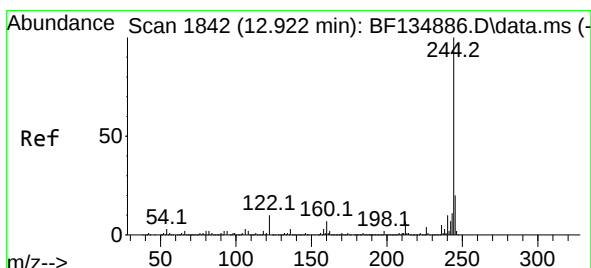
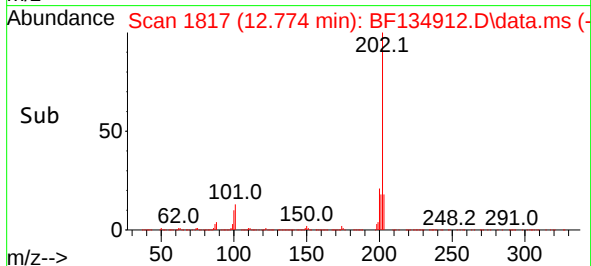
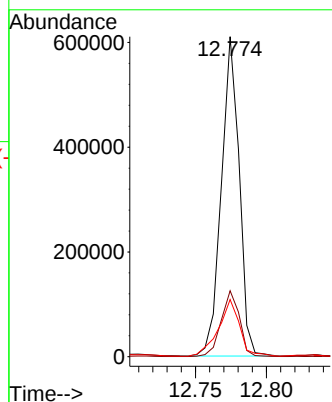
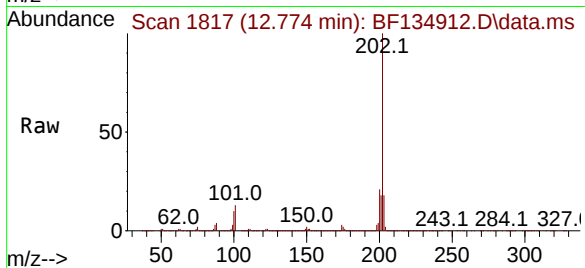
Tgt Ion:202 Resp: 532477

Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 4.715 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.001 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

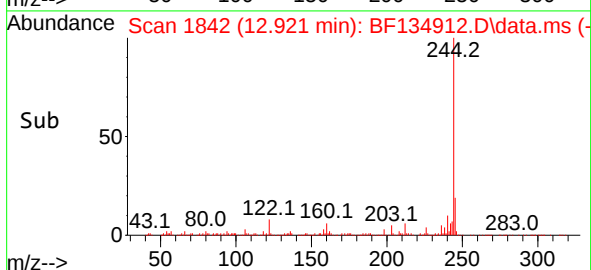
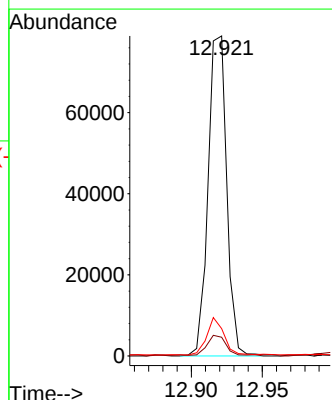
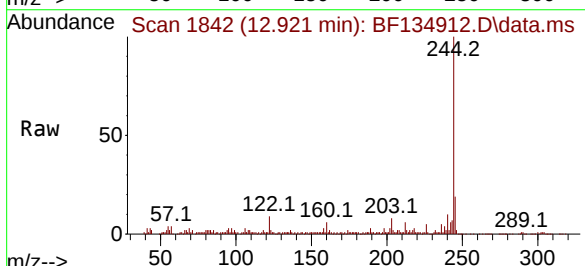
Tgt Ion:244 Resp: 72119

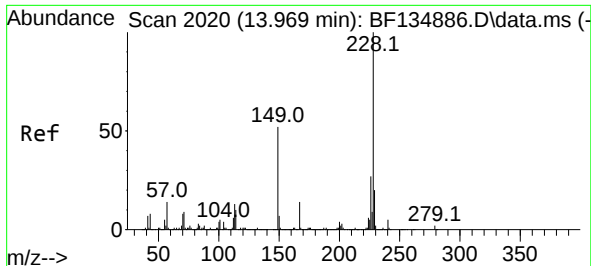
Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.0

122 8.6 8.2 12.4

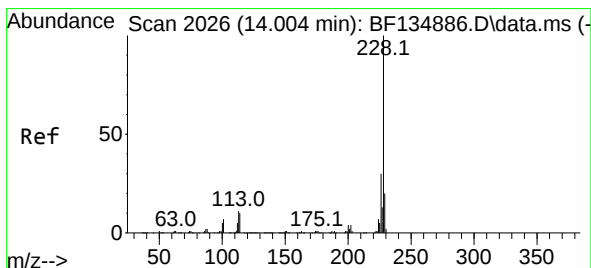
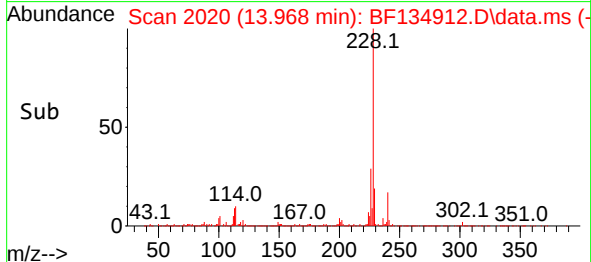
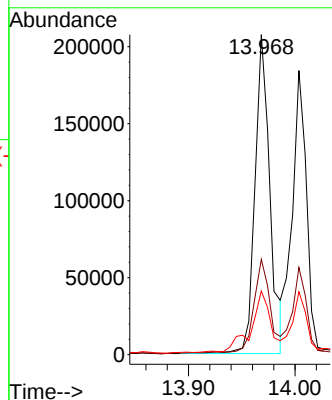
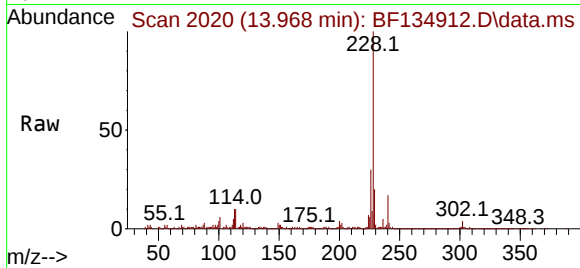




#81
Benzo(a)anthracene
Concen: 14.057 ng
RT: 13.968 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

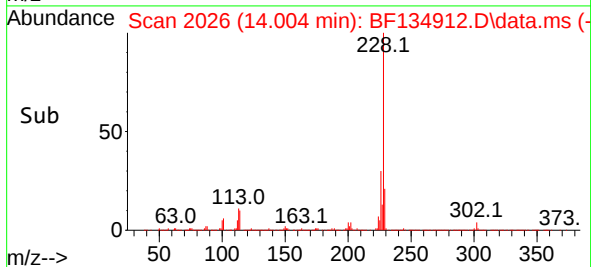
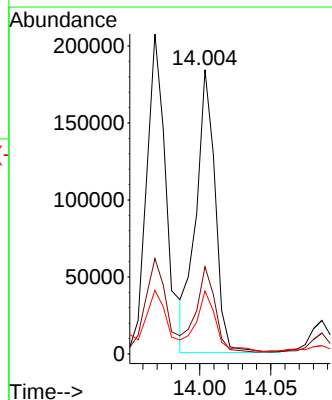
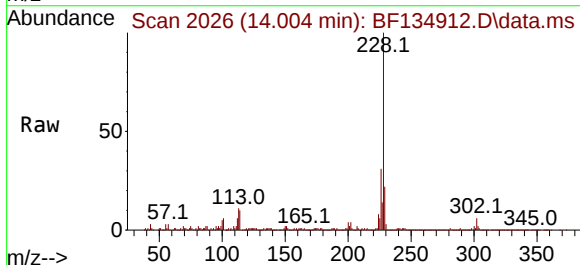
Instrument :
BNA_F
ClientSampleId :
364

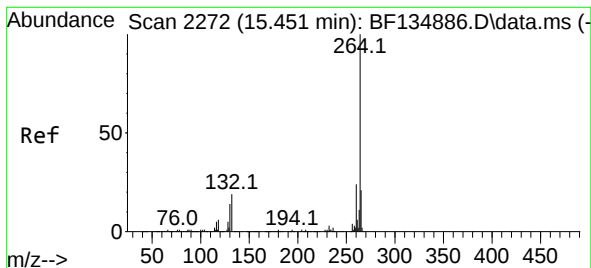
Tgt Ion:228 Resp: 201761
Ion Ratio Lower Upper
228 100
226 29.8 21.8 32.6
229 19.9 15.6 23.4



#83
Chrysene
Concen: 12.238 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

Tgt Ion:228 Resp: 173316
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 22.1 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

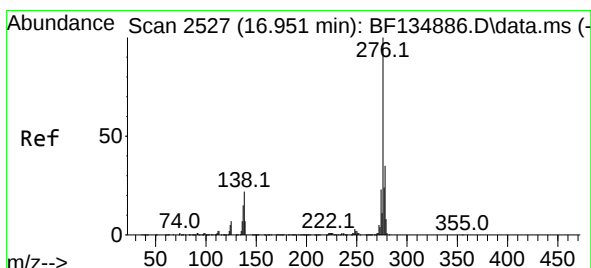
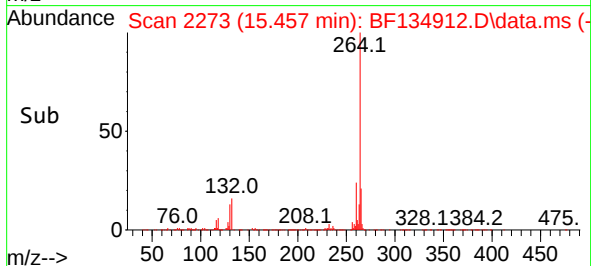
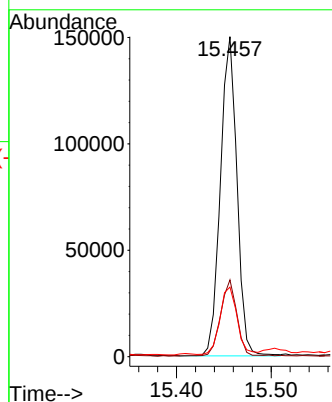
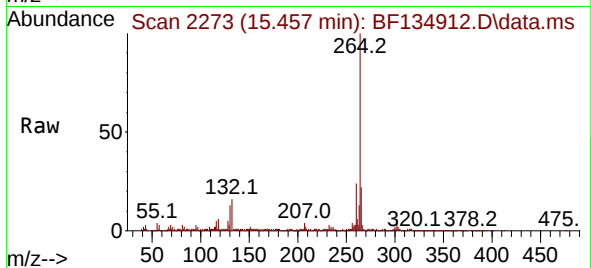
Tgt Ion:264 Resp: 182446

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 21.7 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.693 ng

RT: 16.945 min Scan# 2526

Delta R.T. -0.006 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

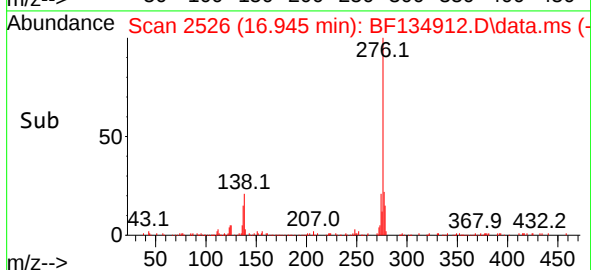
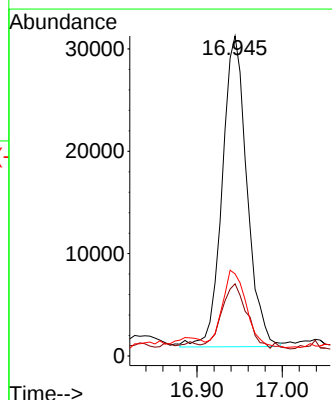
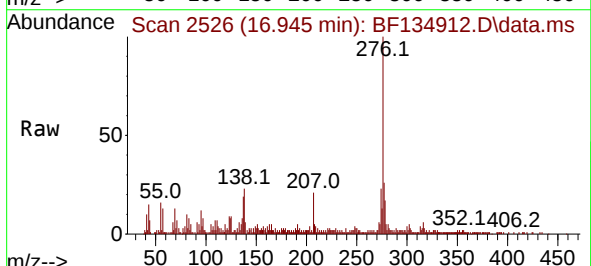
Tgt Ion:276 Resp: 61206

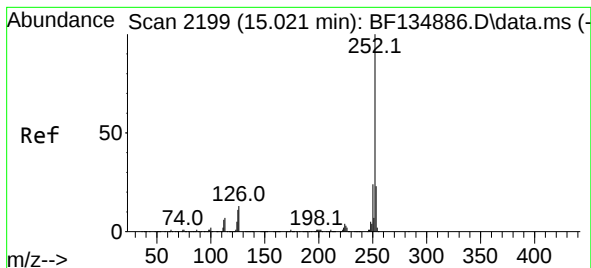
Ion Ratio Lower Upper

276 100

138 21.7 19.7 29.5

277 23.9 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 22.682 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

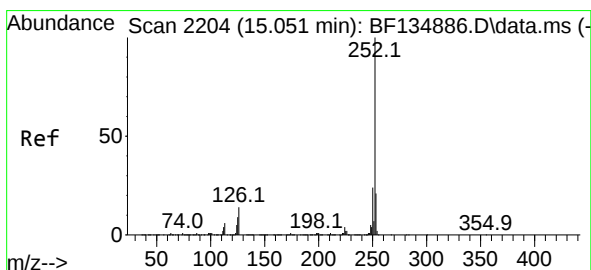
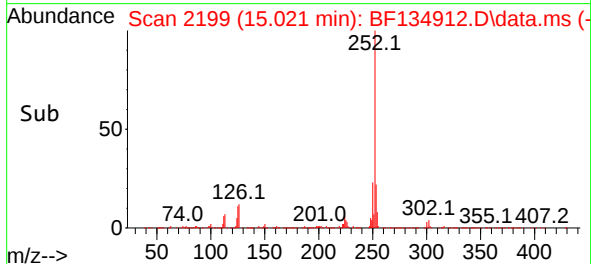
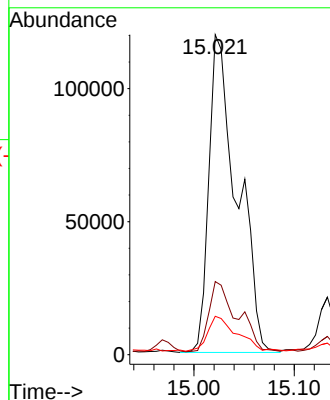
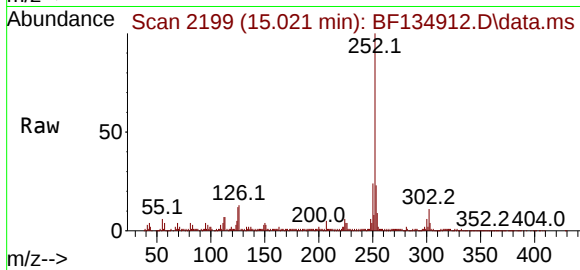
Tgt Ion:252 Resp: 233477

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

125 12.0 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 23.098 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.030 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

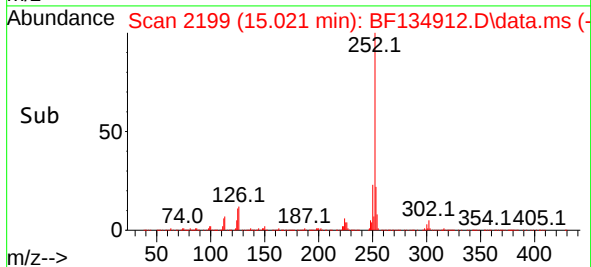
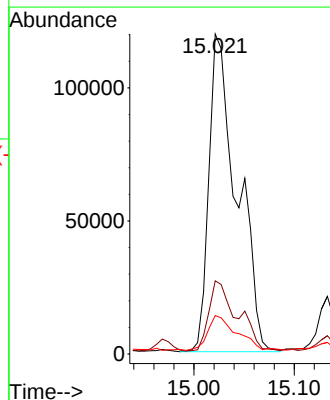
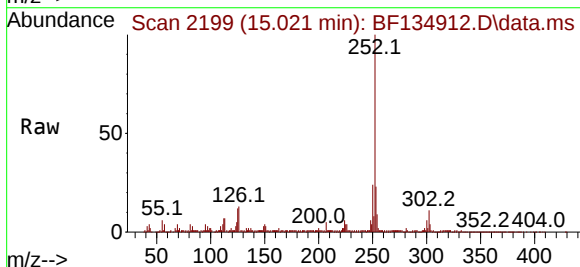
Tgt Ion:252 Resp: 233477

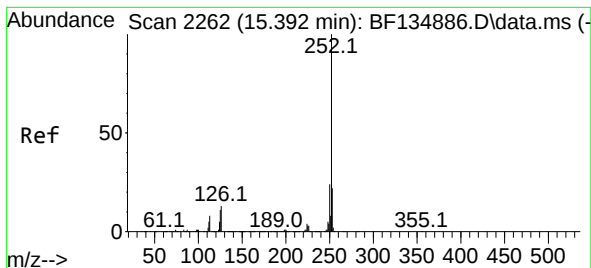
Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 12.0 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 11.757 ng

RT: 15.392 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

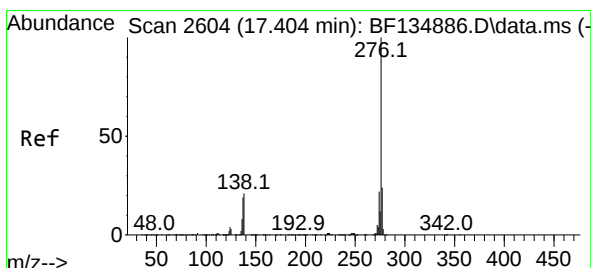
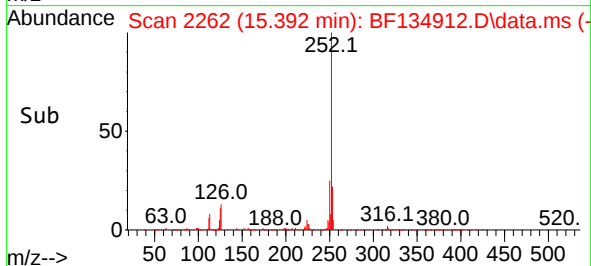
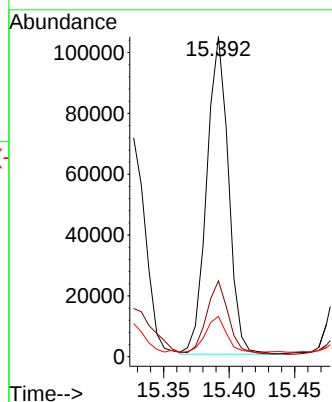
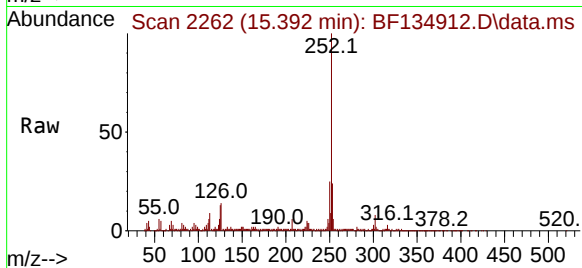
Tgt Ion:252 Resp: 120812

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

125 12.6 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 5.503 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.006 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Tgt Ion:276 Resp: 59445

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 21.8 17.0 25.6

