

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134968.D
 Acq On : 28 Aug 2023 14:56
 Operator : CG\JU
 Sample : 04113-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-082323

Quant Time: Aug 29 03:49:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

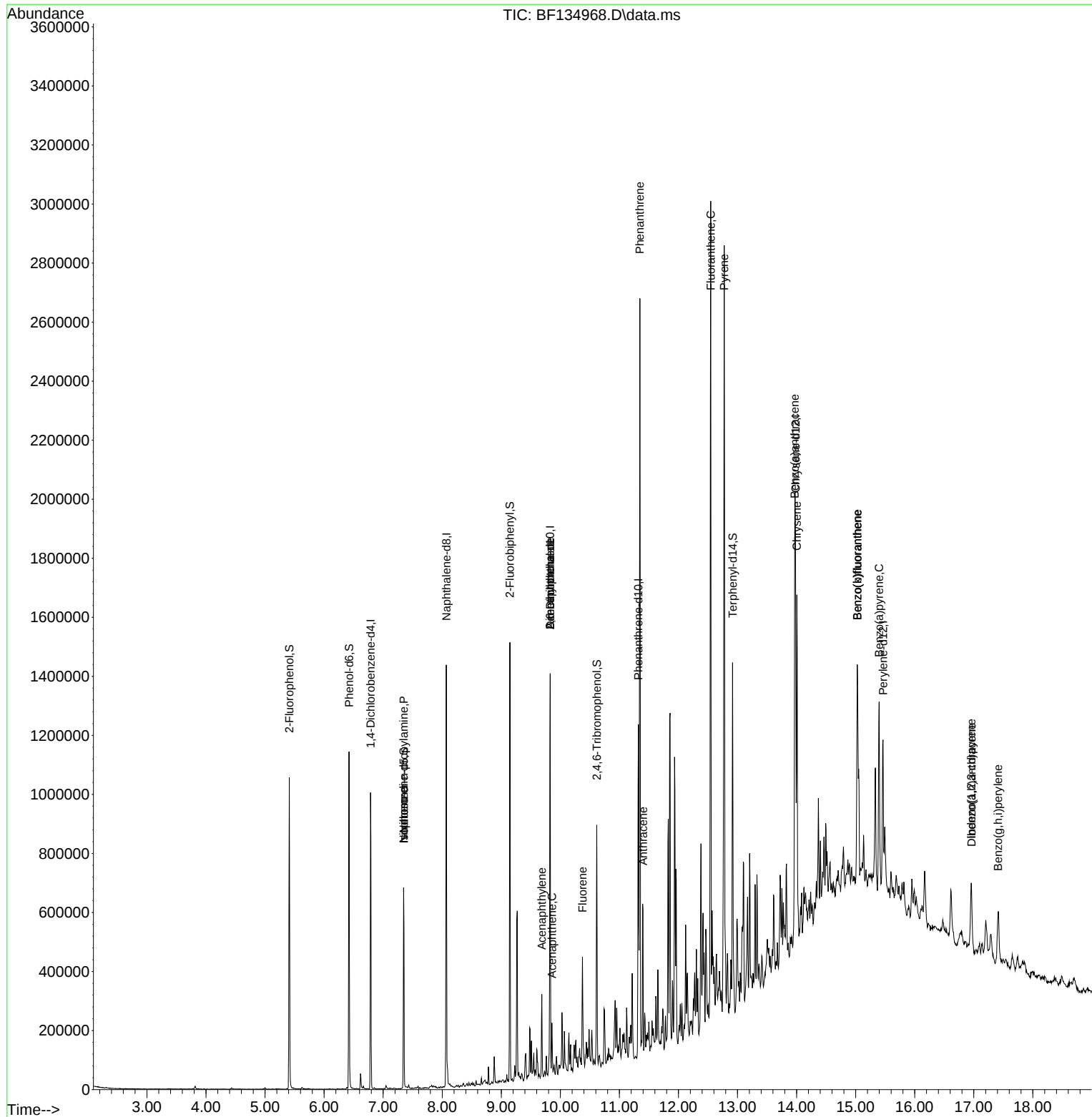
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	139896	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	545601	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	257748	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	411927	20.000	ng	0.00
76) Chrysene-d12	13.980	240	305626	20.000	ng	0.00
86) Perylene-d12	15.463	264	243055	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	264997	30.207	ng	-0.01
7) Phenol-d6	6.422	99	330348	29.469	ng	-0.02
23) Nitrobenzene-d5	7.345	82	198342	20.032	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	76172	25.093	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	378788	22.719	ng	-0.01
79) Terphenyl-d14	12.916	244	364894	16.421	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	27201	4.155	ng	# 80
25) Isophorone	7.345	82	195822	10.591	ng	# 64
49) Acenaphthylene	9.686	152	88175	3.768	ng	99
50) Dimethylphthalate	9.828	163	53702	2.927	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	35768	8.839	ng	# 29
52) Acenaphthene	9.857	154	30476	2.067	ng	97
58) Fluorene	10.375	166	88547	5.439	ng	100
71) Phenanthrene	11.345	178	890298	41.245	ng	100
72) Anthracene	11.398	178	196388	8.880	ng	99
75) Fluoranthene	12.545	202	1040387	50.868	ng	100
78) Pyrene	12.775	202	1131825	34.928	ng	99
81) Benzo(a)anthracene	13.969	228	510169	24.466	ng	92
83) Chrysene	14.004	228	468148	22.754	ng	98
87) Indeno(1,2,3-cd)pyrene	16.957	276	150409	8.657	ng	95
88) Benzo(b)fluoranthene	15.027	252	557843	40.680	ng	98
89) Benzo(k)fluoranthene	15.027	252	557843	41.426	ng	96
90) Benzo(a)pyrene	15.398	252	296582	21.665	ng	97
91) Dibenzo(a,h)anthracene	16.962	278	39322	2.797	ng	# 71
92) Benzo(g,h,i)perylene	17.409	276	147958	10.282	ng	99

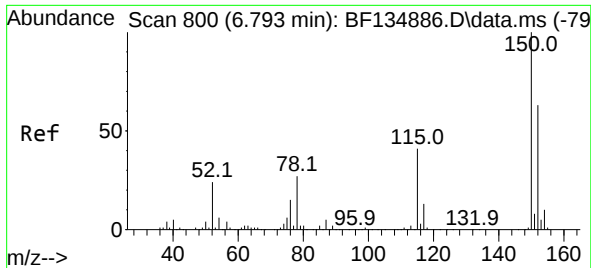
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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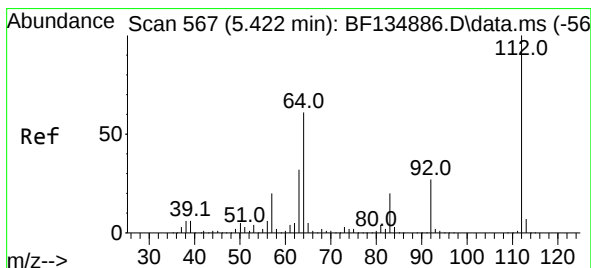
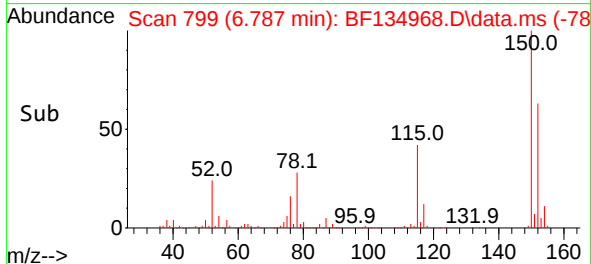
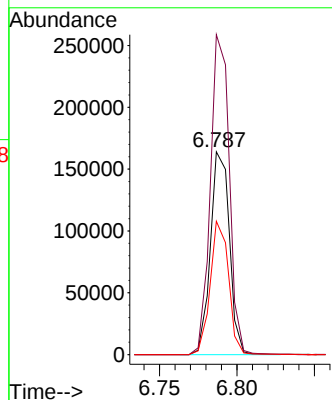
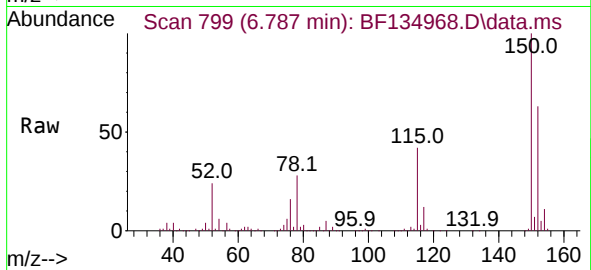




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

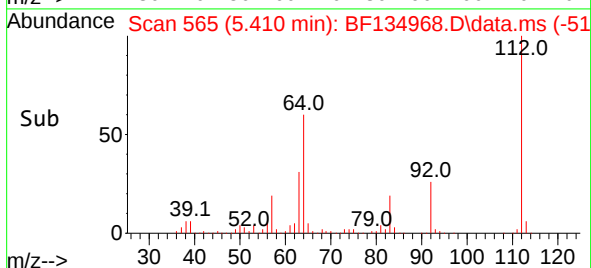
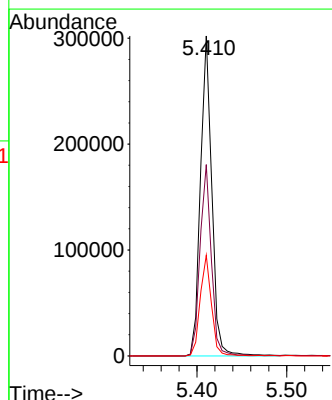
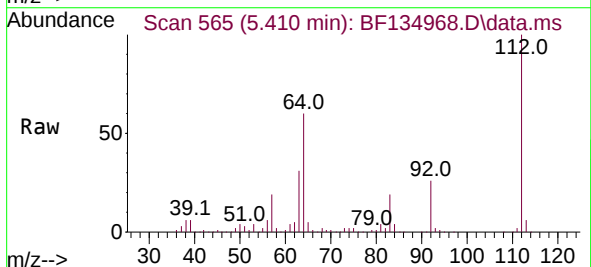
Instrument :
BNA_F
ClientSampleId :
OK-2-082323

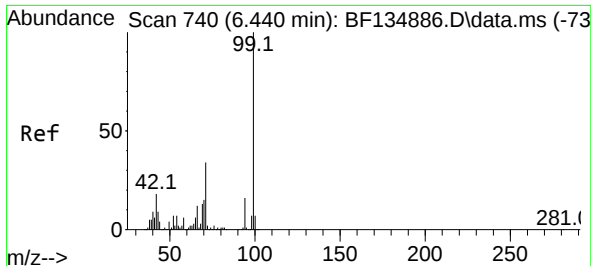
Tgt Ion:152 Resp: 139896
Ion Ratio Lower Upper
152 100
150 157.8 126.1 189.1
115 65.8 51.1 76.7



#5
2-Fluorophenol
Concen: 30.207 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

Tgt Ion:112 Resp: 264997
Ion Ratio Lower Upper
112 100
64 59.8 48.6 73.0
63 31.4 25.7 38.5

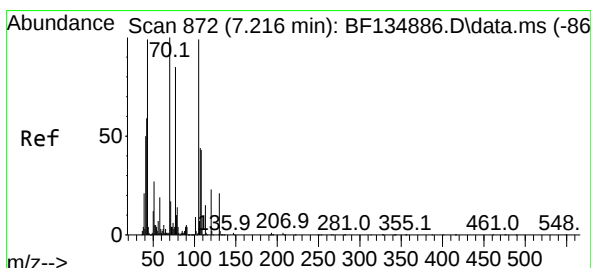
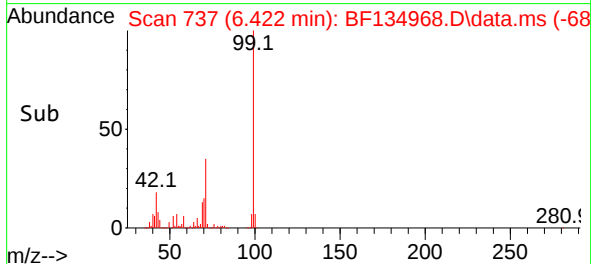
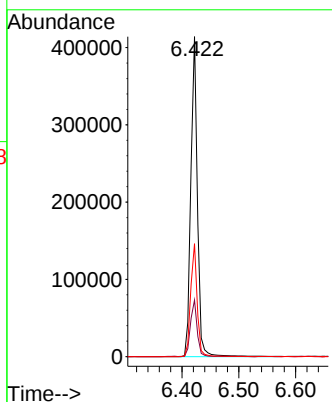
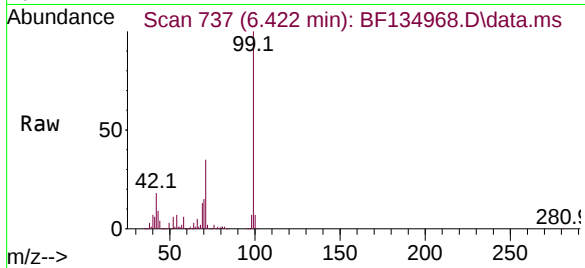




#7
Phenol-d6
Concen: 29.469 ng
RT: 6.422 min Scan# 737
Delta R.T. -0.018 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

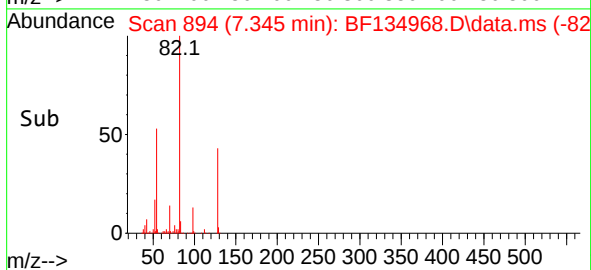
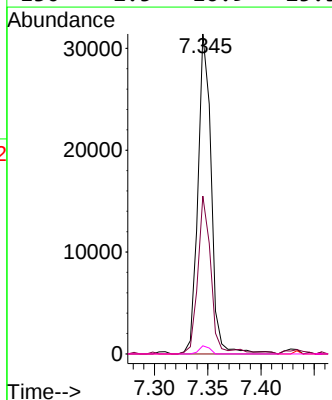
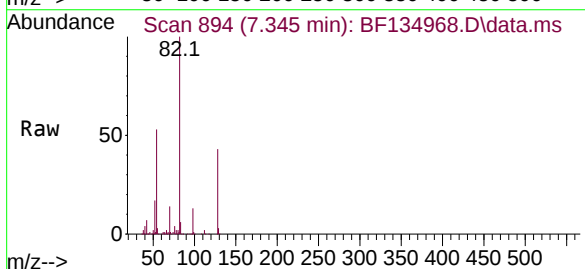
Instrument :
BNA_F
ClientSampleId :
OK-2-082323

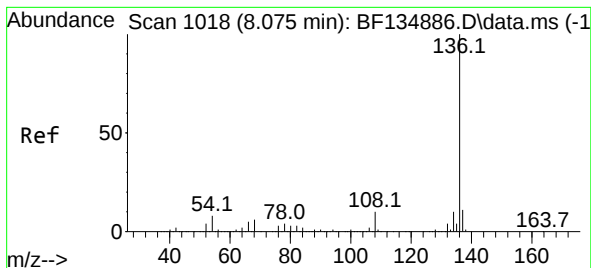
Tgt Ion: 99 Resp: 330348
Ion Ratio Lower Upper
99 100
42 17.7 14.6 22.0
71 35.3 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.155 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.129 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

Tgt Ion: 70 Resp: 27201
Ion Ratio Lower Upper
70 100
42 49.3 46.9 70.3
101 0.0 7.5 11.3#
130 2.5 16.9 25.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

Tgt Ion:136 Resp: 545601

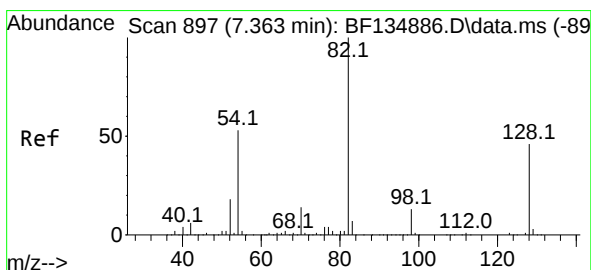
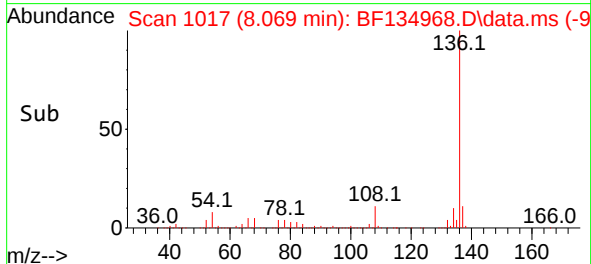
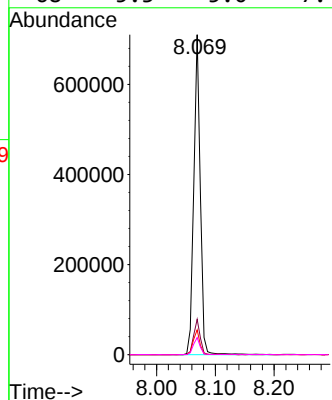
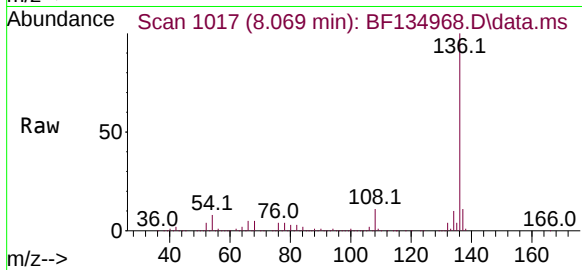
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.7 6.6 9.8

68 5.3 5.0 7.4



#23

Nitrobenzene-d5

Concen: 20.032 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

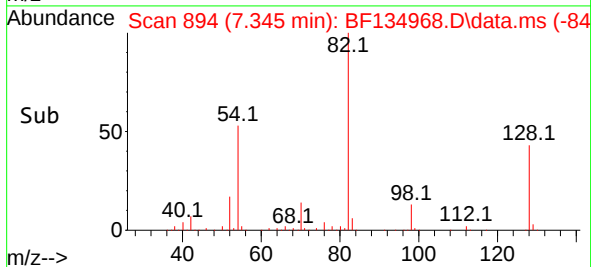
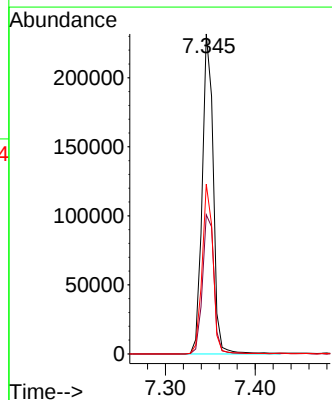
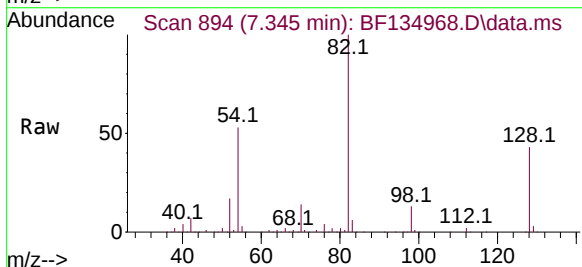
Tgt Ion: 82 Resp: 198342

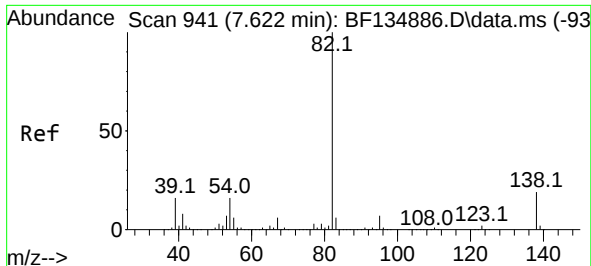
Ion Ratio Lower Upper

82 100

128 43.5 36.6 54.8

54 53.0 42.6 63.8

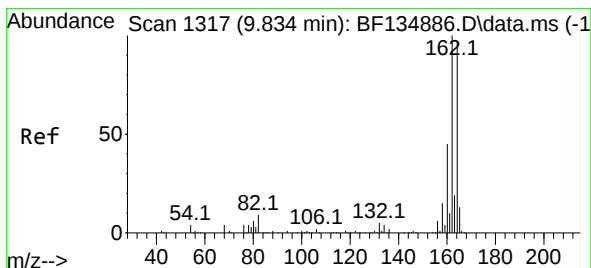
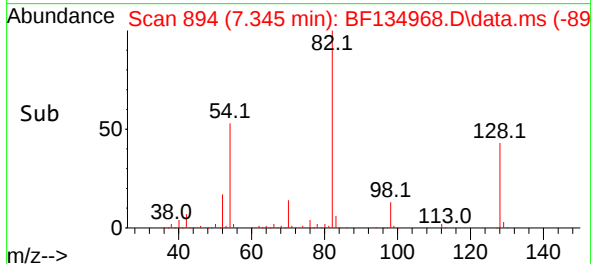
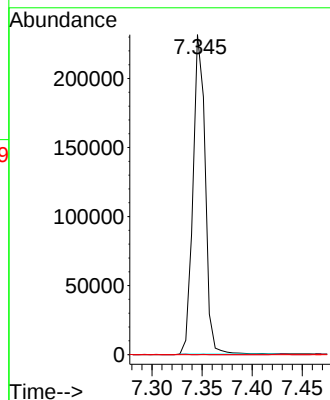
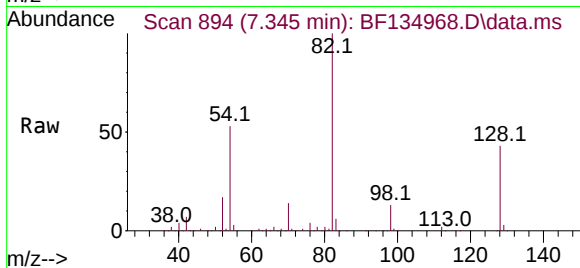




#25
Isophorone
Concen: 10.591 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

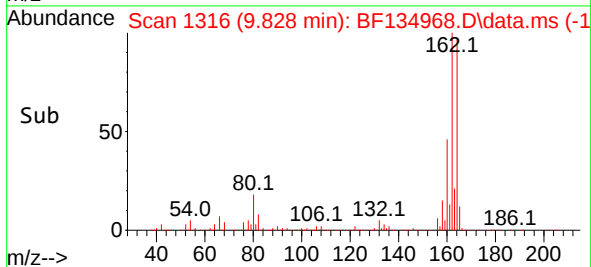
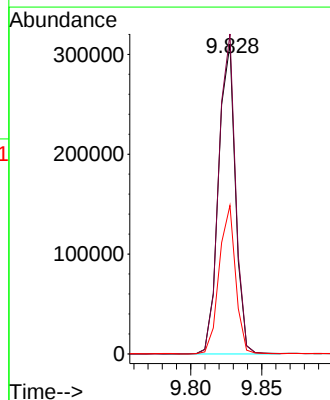
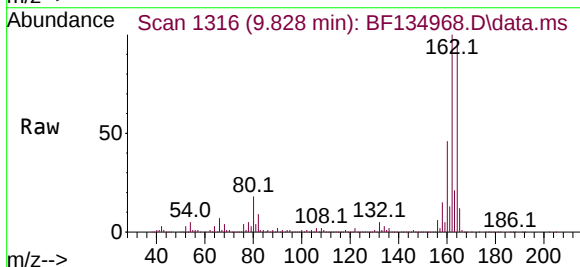
Instrument :
BNA_F
ClientSampleId :
OK-2-082323

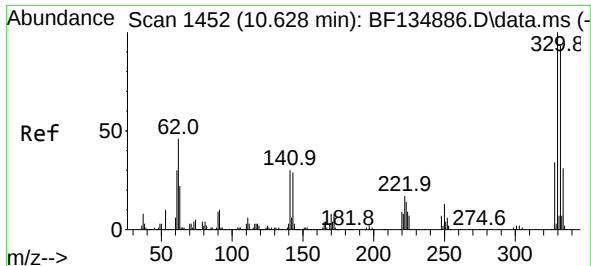
Tgt Ion: 82 Resp: 195822
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

Tgt Ion:164 Resp: 257748
Ion Ratio Lower Upper
164 100
162 103.3 82.6 123.8
160 47.9 37.0 55.4

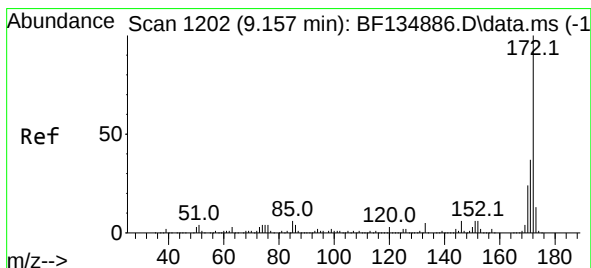
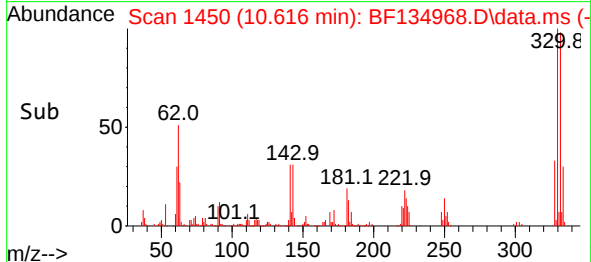
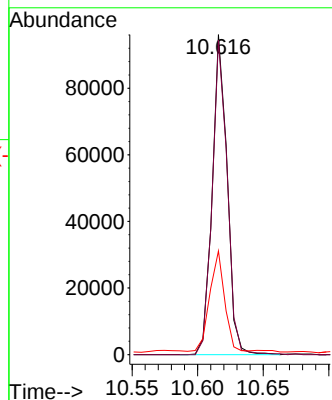
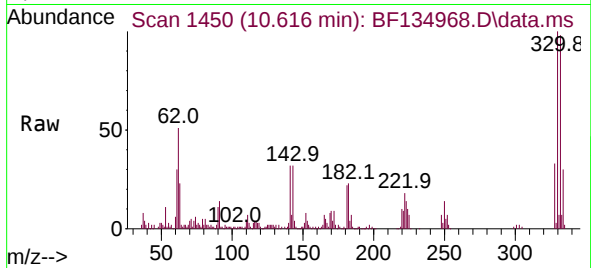




#42
 2,4,6-Tribromophenol
 Concen: 25.093 ng
 RT: 10.616 min Scan# 1450
 Delta R.T. -0.012 min
 Lab File: BF134968.D
 Acq: 28 Aug 2023 14:56

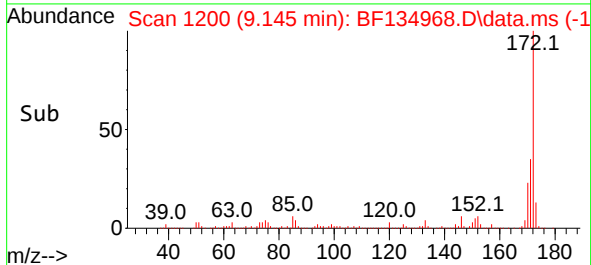
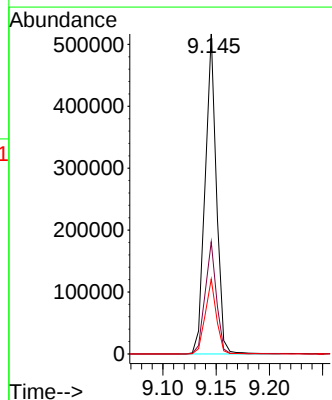
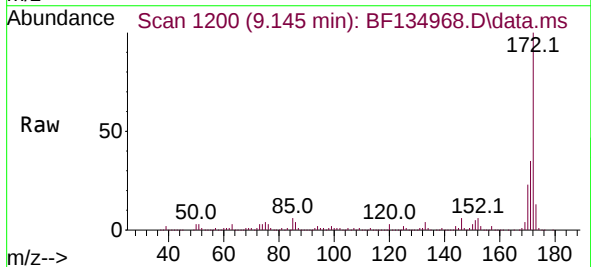
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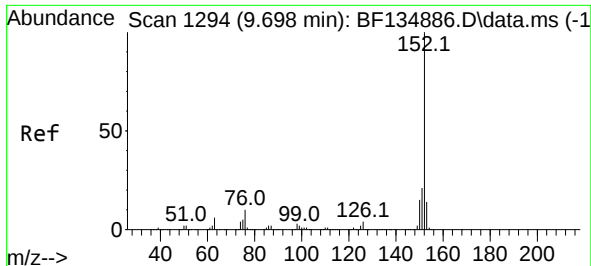
Tgt Ion: 330 Resp: 76172
 Ion Ratio Lower Upper
 330 100
 332 98.9 76.3 114.5
 141 31.1 23.4 35.2



#45
 2-Fluorobiphenyl
 Concen: 22.719 ng
 RT: 9.145 min Scan# 1200
 Delta R.T. -0.012 min
 Lab File: BF134968.D
 Acq: 28 Aug 2023 14:56

Tgt Ion: 172 Resp: 378788
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.4 44.0
 170 23.4 19.6 29.4

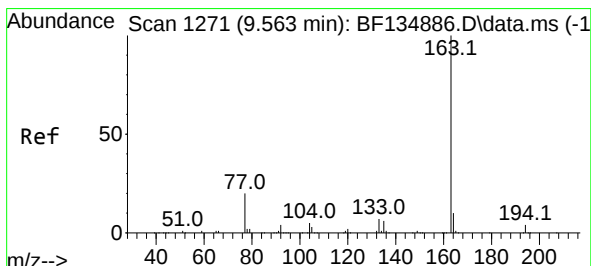
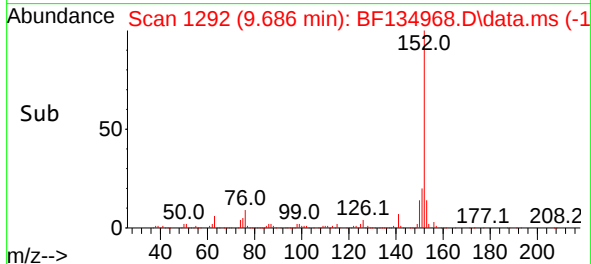
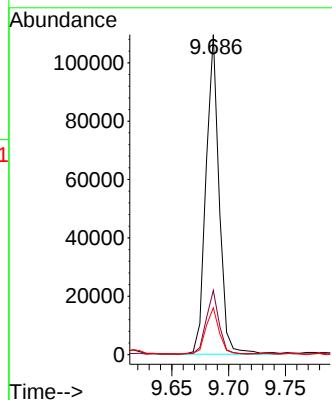
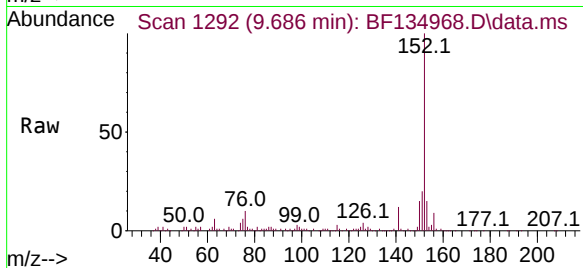




#49
Acenaphthylene
Concen: 3.768 ng
RT: 9.686 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

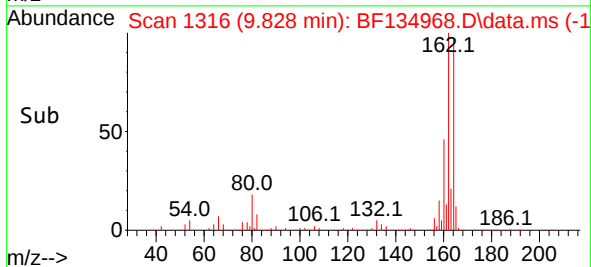
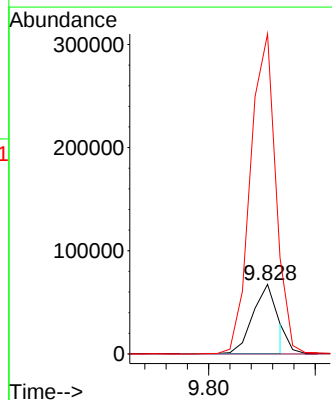
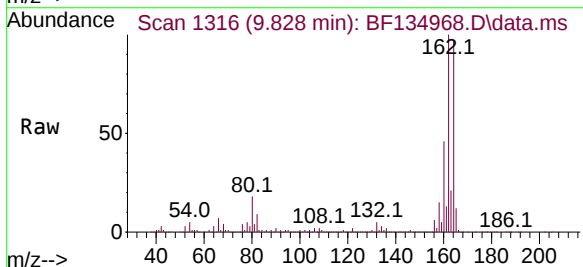
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BNA_F
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OK-2-082323

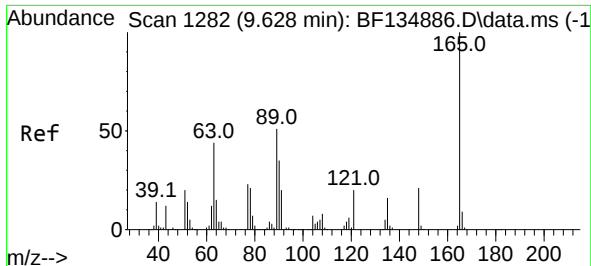
Tgt Ion:152 Resp: 88175
Ion Ratio Lower Upper
152 100
151 20.1 16.5 24.7
153 14.6 11.3 16.9



#50
Dimethylphthalate
Concen: 2.927 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

Tgt Ion:163 Resp: 53702
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 460.1 8.2 12.4#





#51

2,6-Dinitrotoluene

Concen: 8.839 ng

RT: 9.828 min Scan# 1316

Delta R.T. 0.200 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

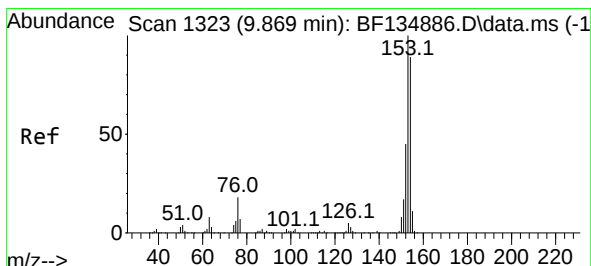
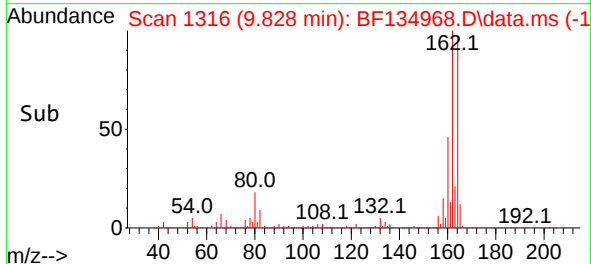
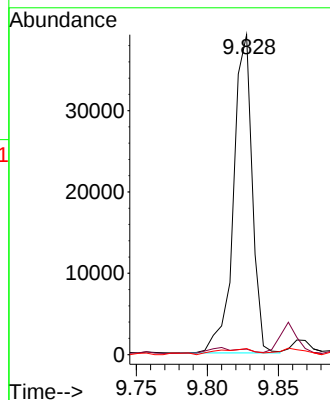
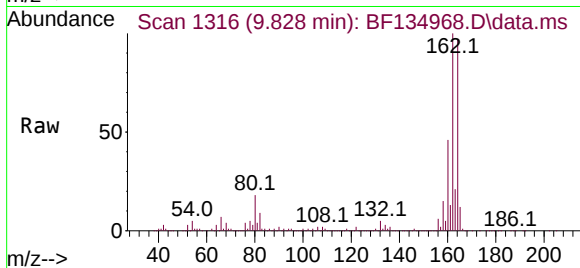
Tgt Ion:165 Resp: 35768

Ion Ratio Lower Upper

165 100

63 1.7 41.4 62.2#

89 1.9 40.9 61.3#



#52

Acenaphthene

Concen: 2.067 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.012 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

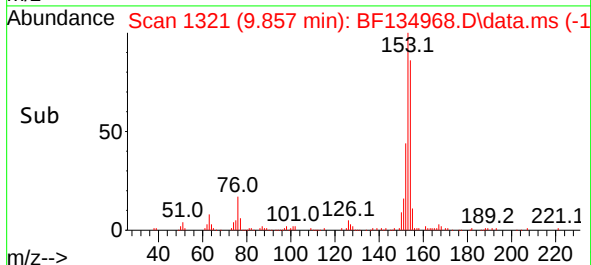
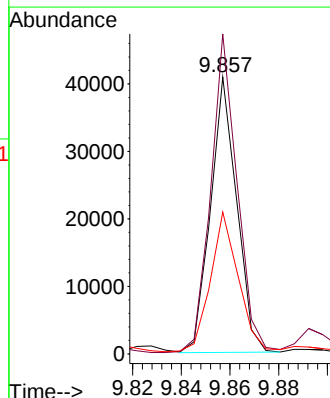
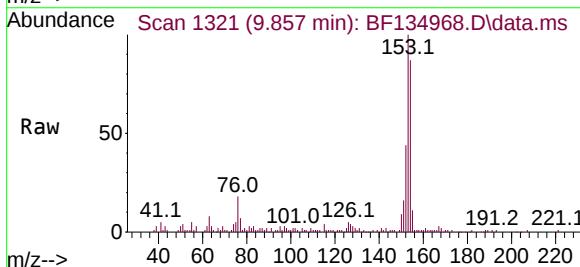
Tgt Ion:154 Resp: 30476

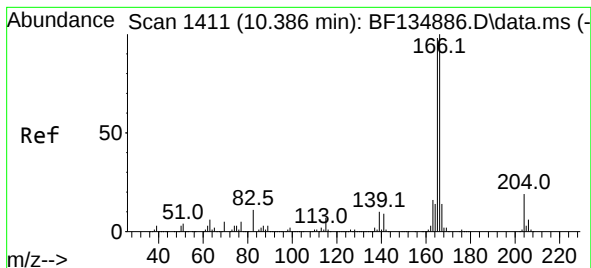
Ion Ratio Lower Upper

154 100

153 115.6 89.6 134.4

152 51.2 40.5 60.7





#58

Fluorene

Concen: 5.439 ng

RT: 10.375 min Scan# 14

Delta R.T. -0.011 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

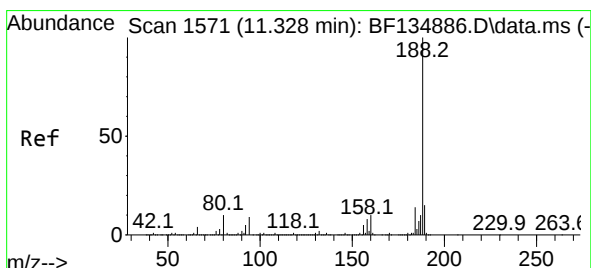
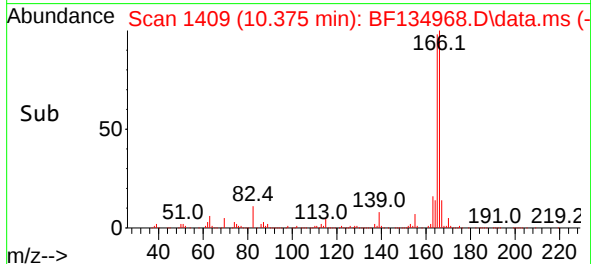
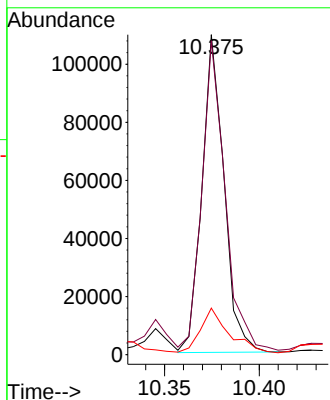
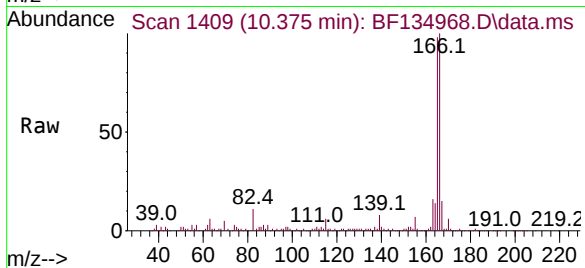
Tgt Ion:166 Resp: 88547

Ion Ratio Lower Upper

166 100

165 98.1 78.5 117.7

167 14.5 11.0 16.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

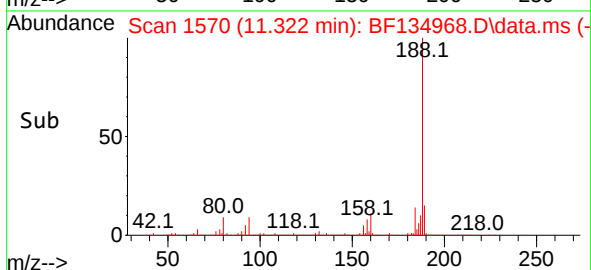
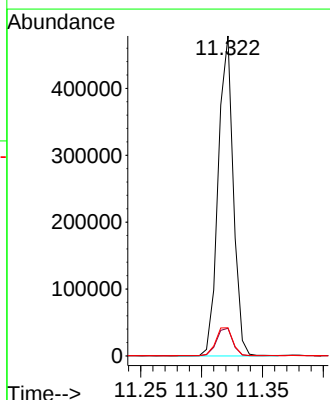
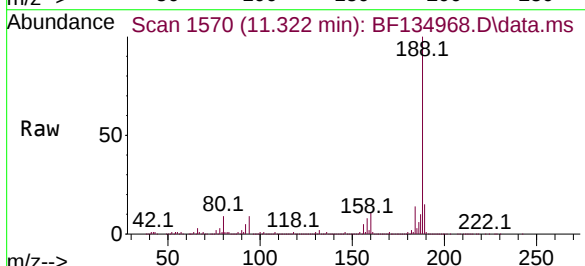
Tgt Ion:188 Resp: 411927

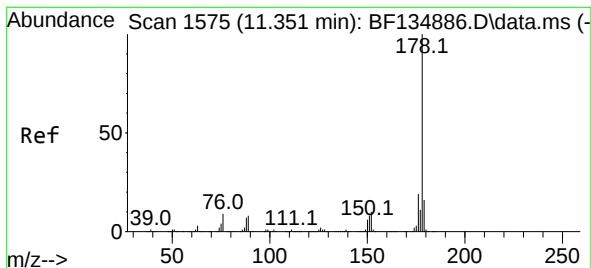
Ion Ratio Lower Upper

188 100

94 8.6 7.5 11.3

80 8.8 7.8 11.6





#71

Phenanthrene

Concen: 41.245 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

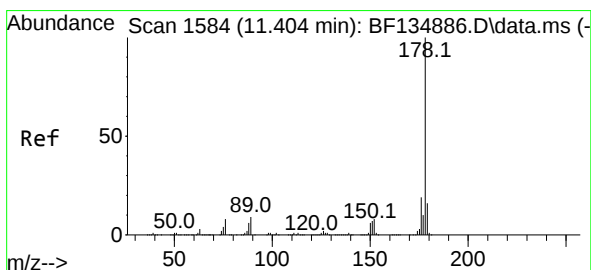
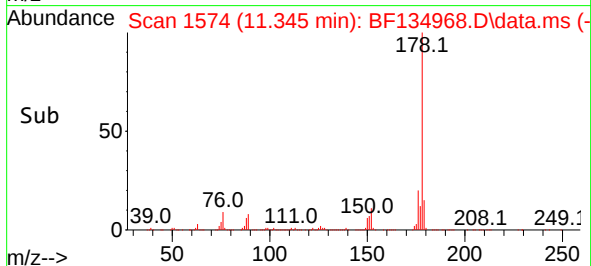
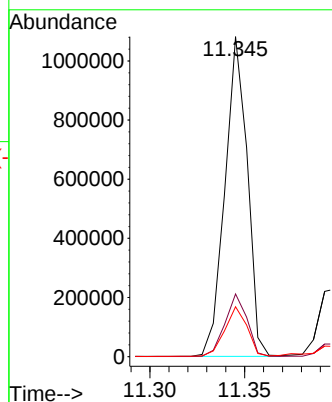
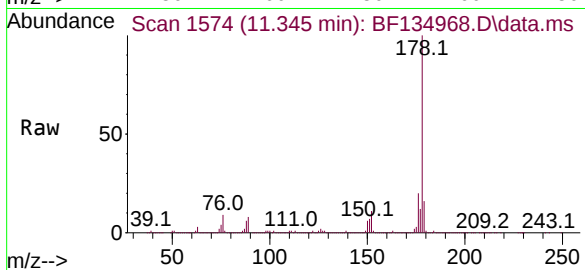
Tgt Ion:178 Resp: 890298

Ion Ratio Lower Upper

178 100

176 19.6 15.5 23.3

179 15.6 12.6 19.0



#72

Anthracene

Concen: 8.880 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

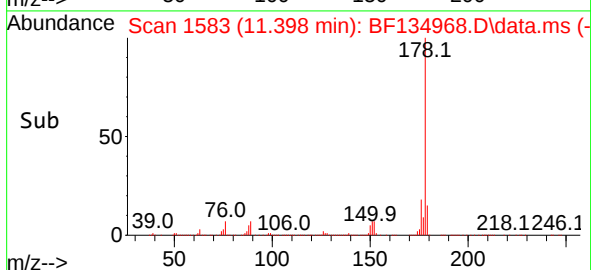
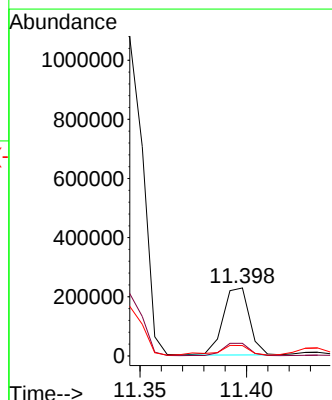
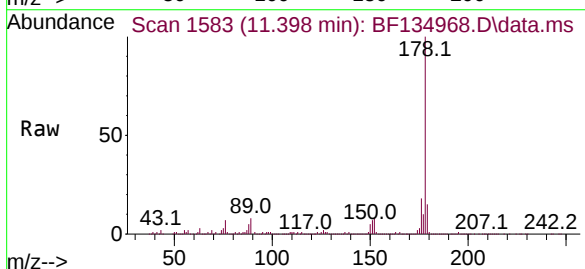
Tgt Ion:178 Resp: 196388

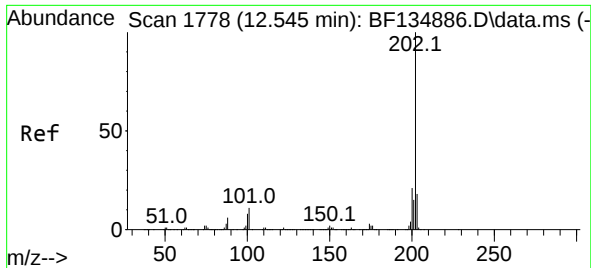
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 15.2 12.5 18.7

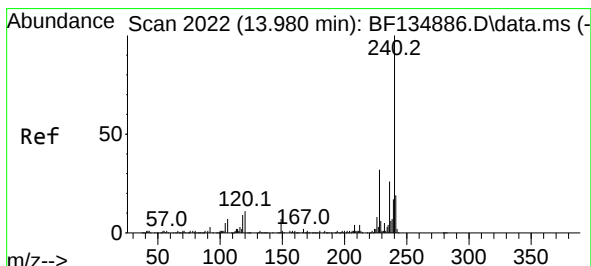
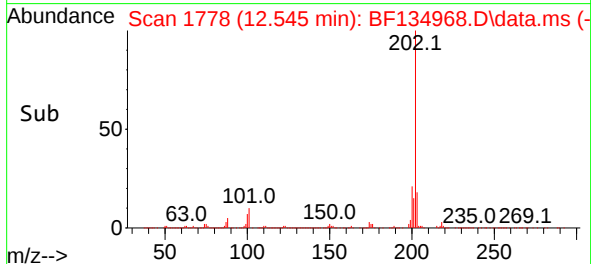
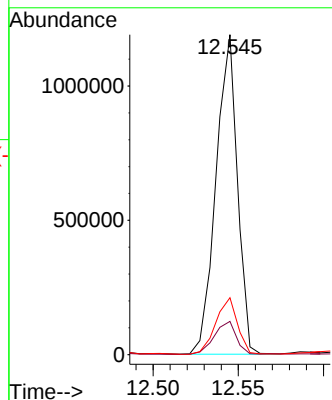
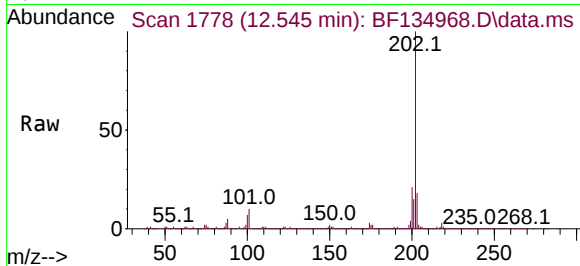




#75
Fluoranthene
Concen: 50.868 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

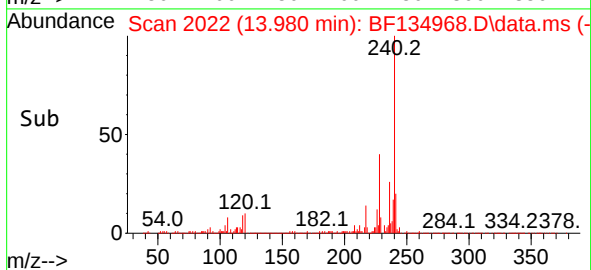
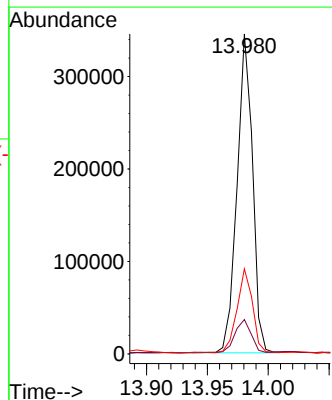
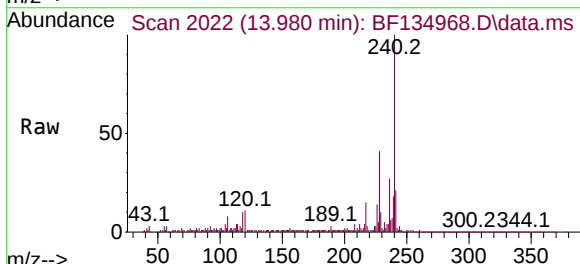
Instrument :
BNA_F
ClientSampleId :
OK-2-082323

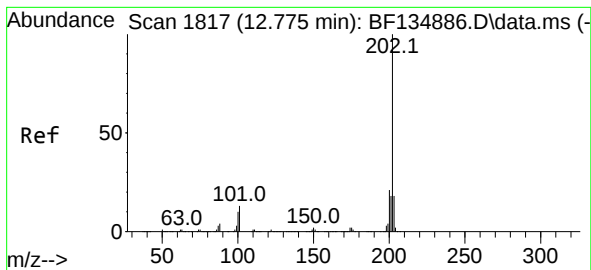
Tgt Ion:202 Resp: 1040387
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.5
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF134968.D
Acq: 28 Aug 2023 14:56

Tgt Ion:240 Resp: 305626
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 26.6 20.6 31.0





#78

Pyrene

Concen: 34.928 ng

RT: 12.775 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

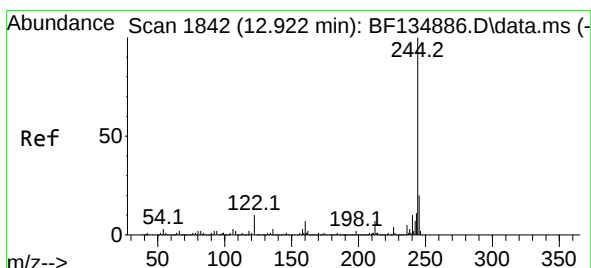
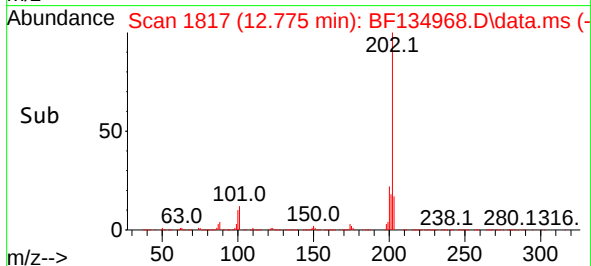
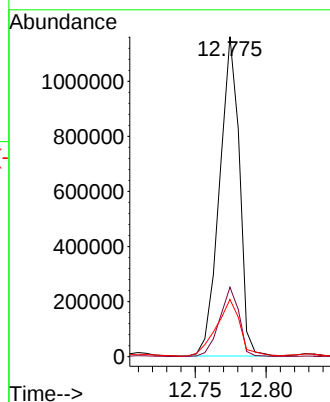
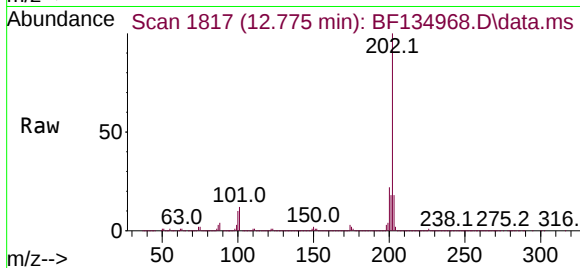
Tgt Ion:202 Resp: 1131825

Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 17.9 14.2 21.2



#79

Terphenyl-d14

Concen: 16.421 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

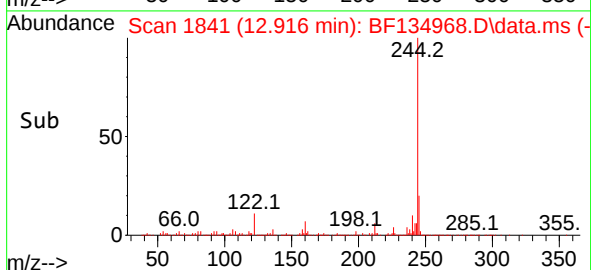
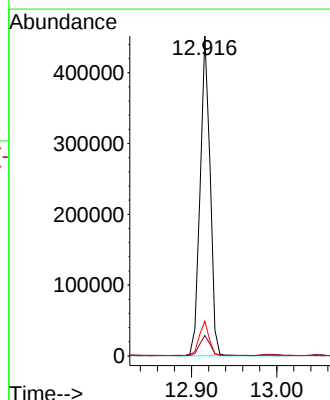
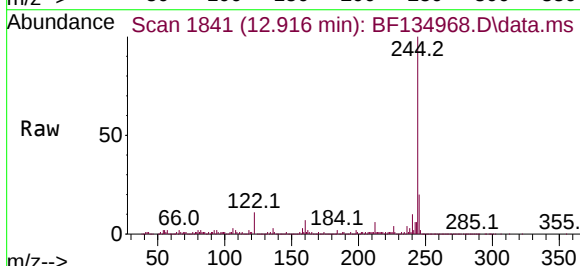
Tgt Ion:244 Resp: 364894

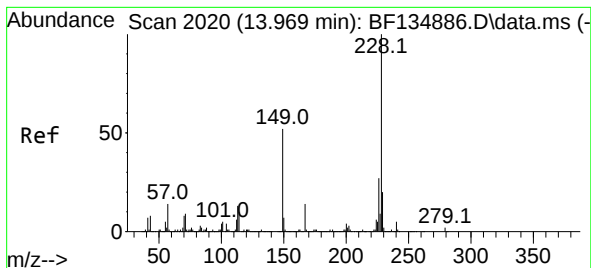
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.8 8.2 12.4





#81

Benzo(a)anthracene

Concen: 24.466 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

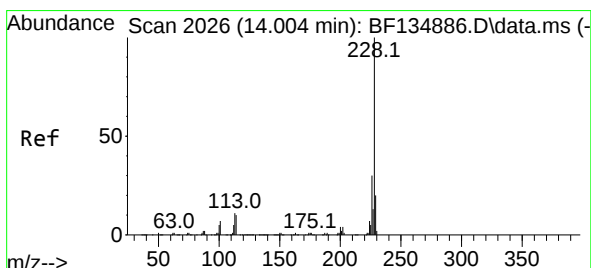
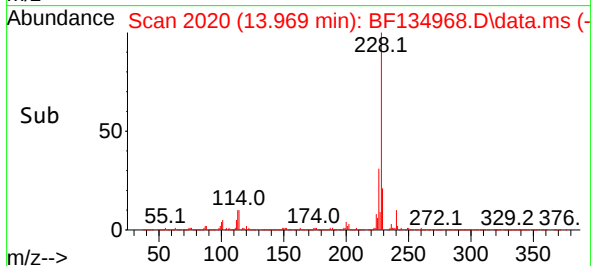
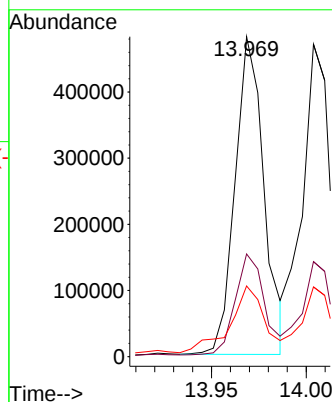
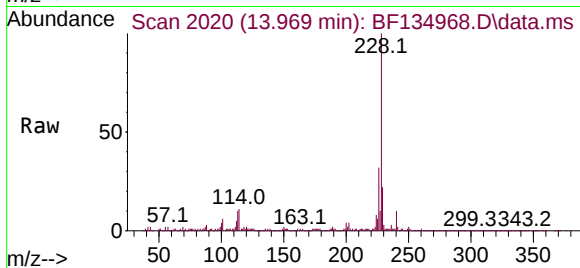
Tgt Ion:228 Resp: 510169

Ion Ratio Lower Upper

228 100

226 32.1 21.8 32.6

229 22.1 15.6 23.4



#83

Chrysene

Concen: 22.754 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

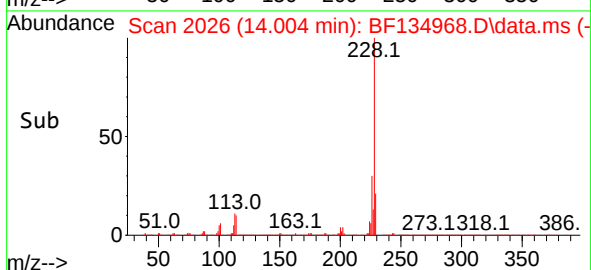
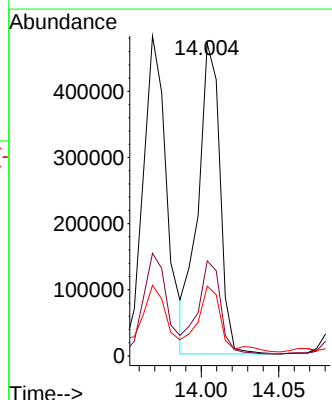
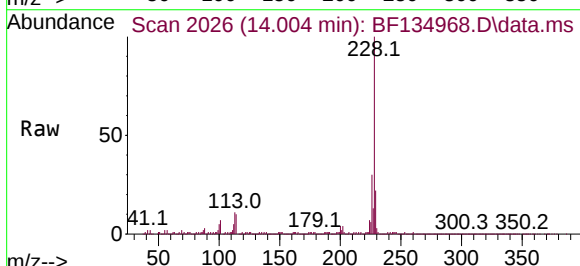
Tgt Ion:228 Resp: 468148

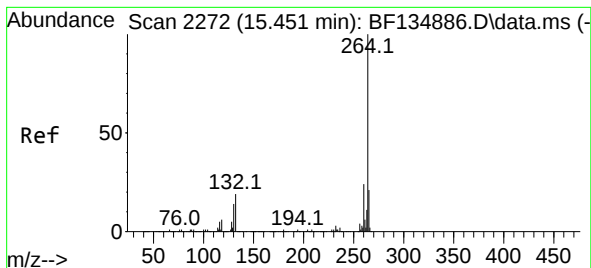
Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 22.3 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. 0.012 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

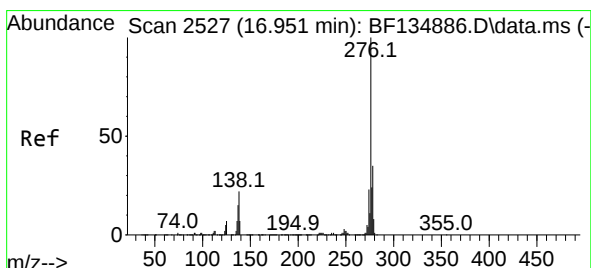
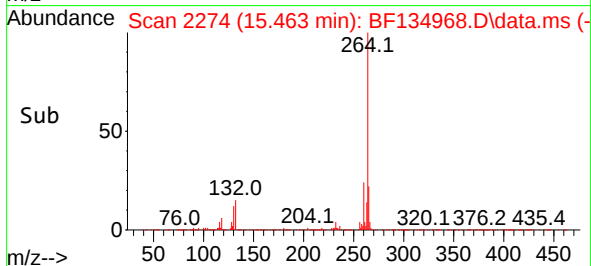
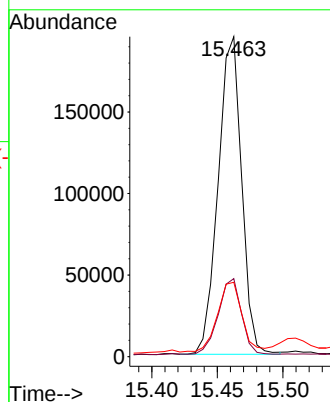
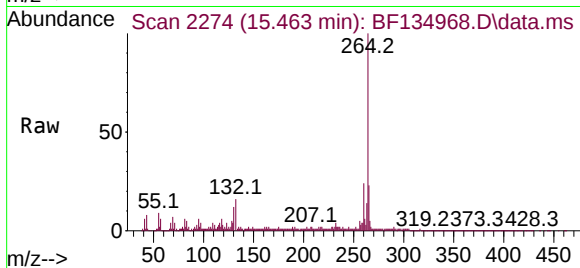
Tgt Ion:264 Resp: 243055

Ion Ratio Lower Upper

264 100

260 24.4 19.0 28.6

265 23.3 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.657 ng

RT: 16.957 min Scan# 2528

Delta R.T. 0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

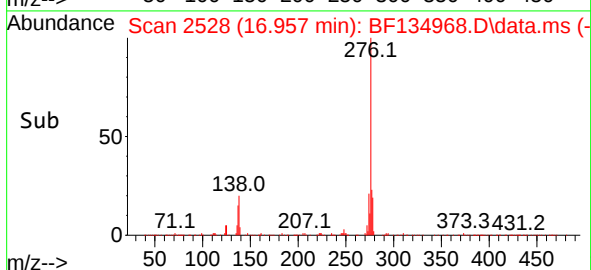
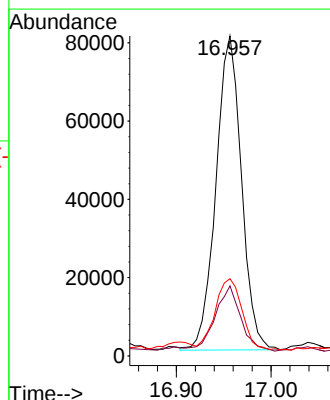
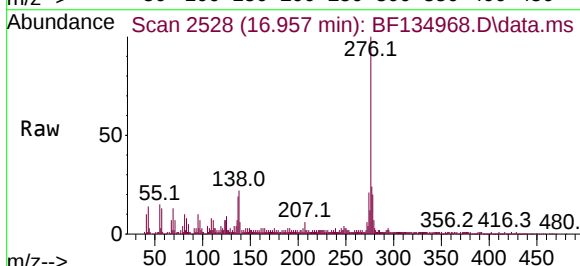
Tgt Ion:276 Resp: 150409

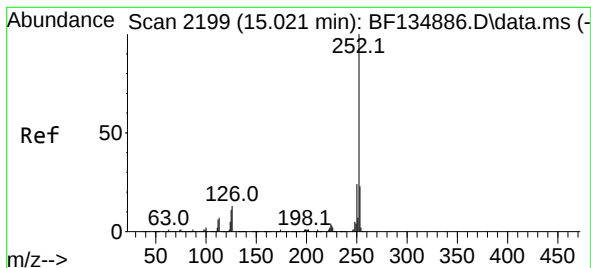
Ion Ratio Lower Upper

276 100

138 21.0 19.7 29.5

277 23.7 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 40.680 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

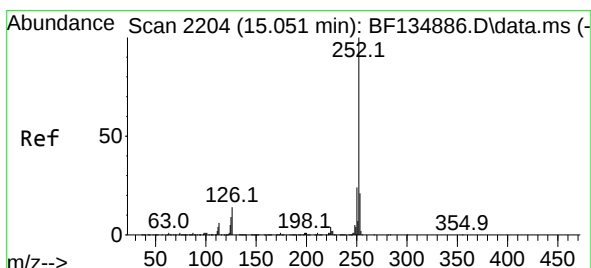
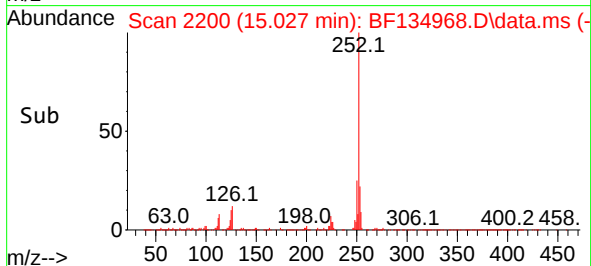
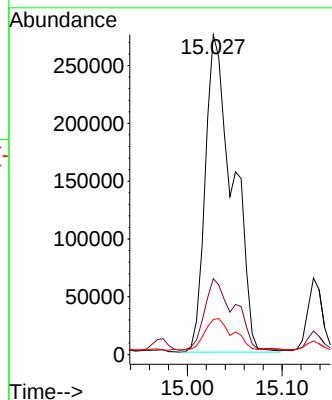
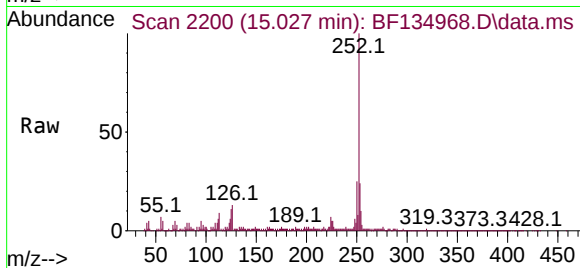
Tgt Ion:252 Resp: 557843

Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

125 11.0 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 41.426 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.024 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

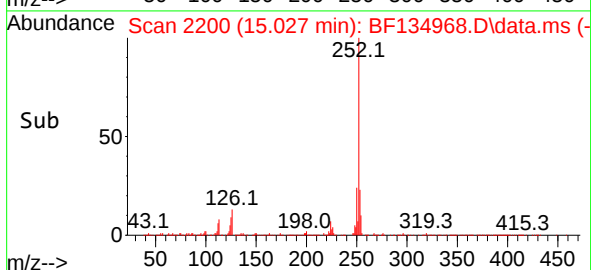
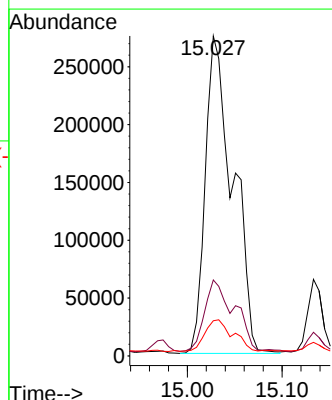
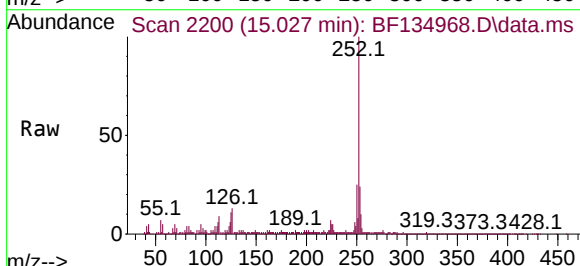
Tgt Ion:252 Resp: 557843

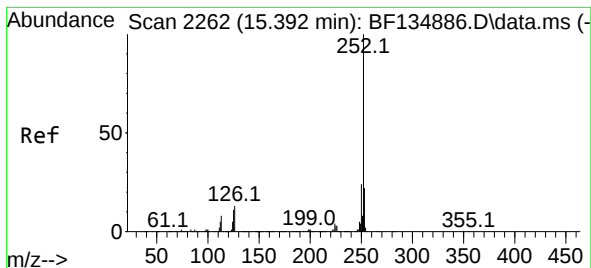
Ion Ratio Lower Upper

252 100

253 23.7 17.1 25.7

125 11.0 8.0 12.0





#90

Benzo(a)pyrene

Concen: 21.665 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

Instrument :

BNA_F

ClientSampleId :

OK-2-082323

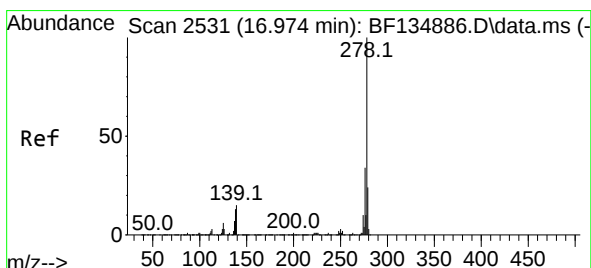
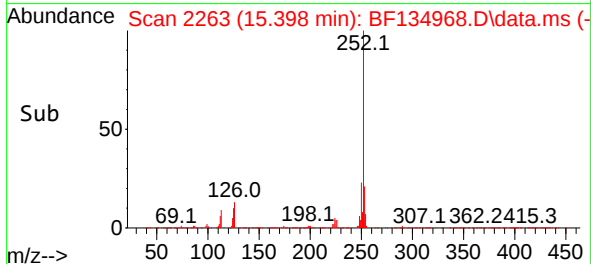
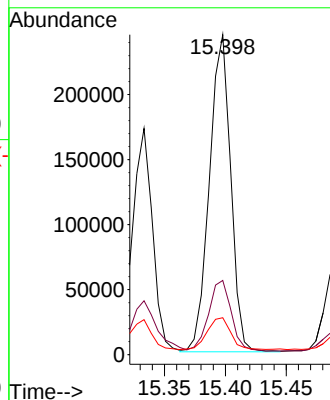
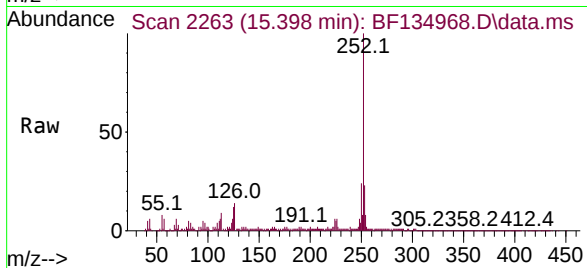
Tgt Ion:252 Resp: 296582

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

125 11.5 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 2.797 ng

RT: 16.962 min Scan# 2529

Delta R.T. -0.012 min

Lab File: BF134968.D

Acq: 28 Aug 2023 14:56

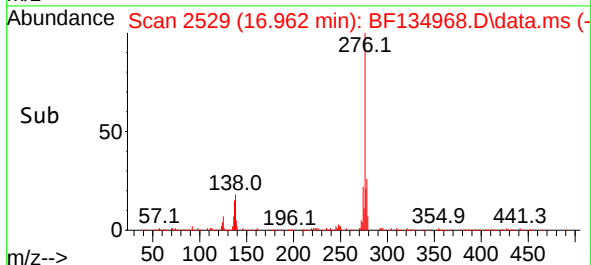
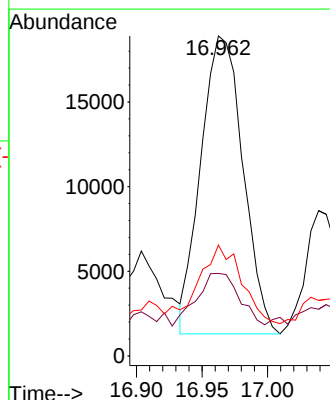
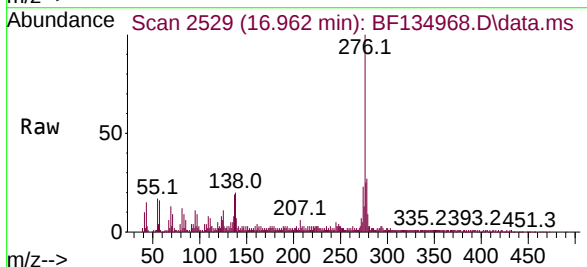
Tgt Ion:278 Resp: 39322

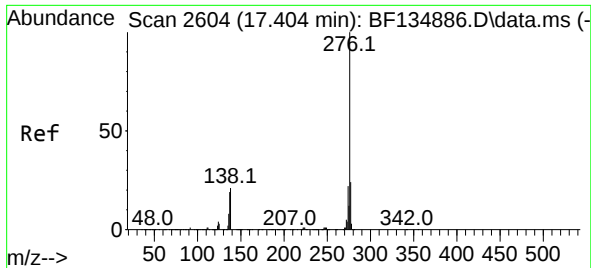
Ion Ratio Lower Upper

278 100

139 32.6 12.2 18.4#

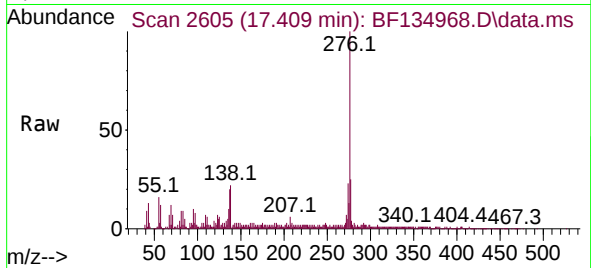
279 34.6 19.1 28.7#





#92
 Benzo(g,h,i)perylene
 Concen: 10.282 ng
 RT: 17.409 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF134968.D
 Acq: 28 Aug 2023 14:56

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-082323



Tgt Ion: 276 Resp: 147958

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	21.8	17.0	25.6

