

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134351.D
 Acq On : 18 Jul 2023 22:29
 Operator : CG\JU
 Sample : 03597-02DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(5-7)DL

Quant Time: Jul 19 01:42:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

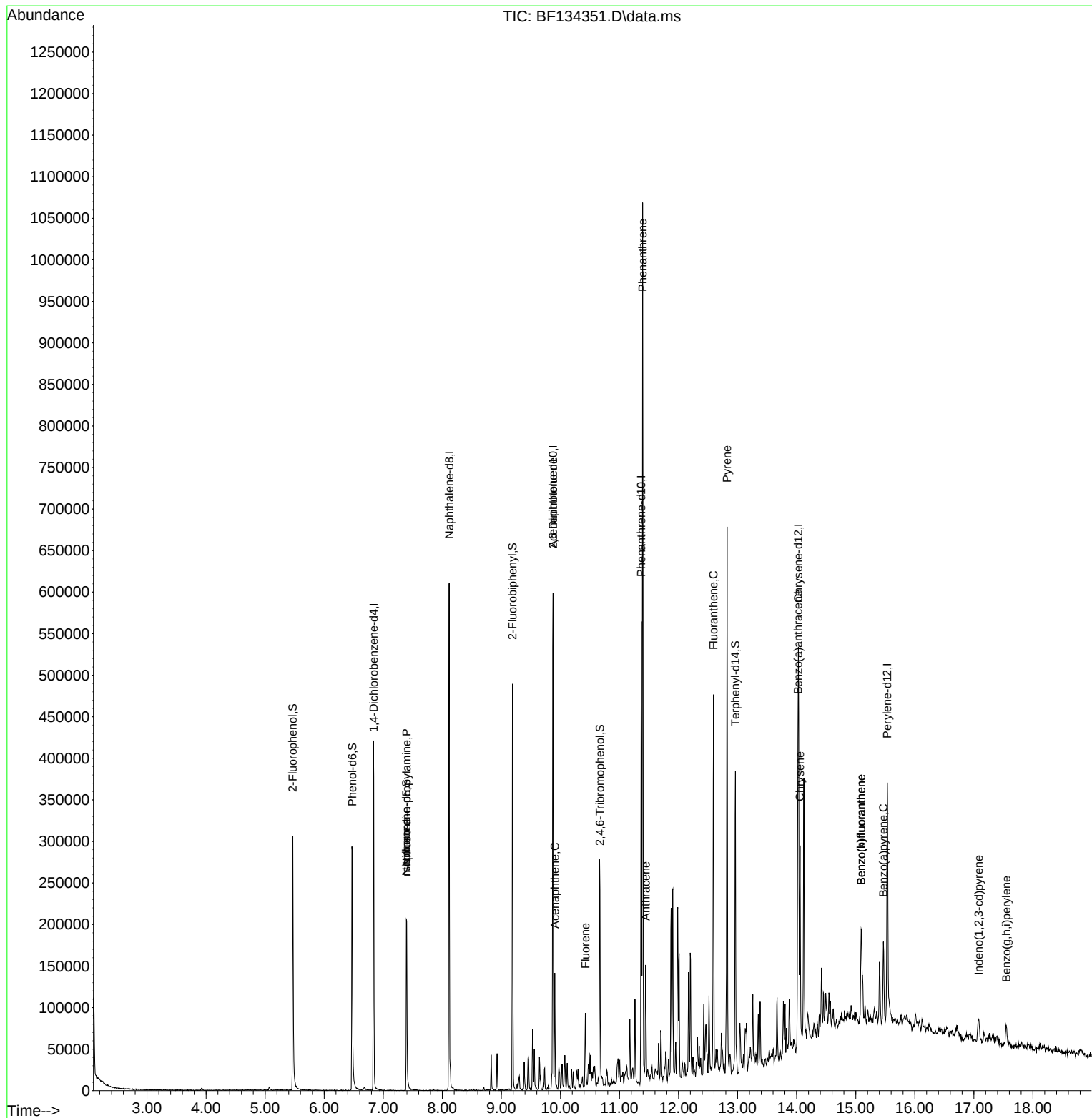
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	63003	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	241747	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	114718	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	196214	20.000	ng	0.00
76) Chrysene-d12	14.027	240	138886	20.000	ng	-0.01
86) Perylene-d12	15.533	264	135895	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	83159	22.079	ng	0.00
7) Phenol-d6	6.475	99	103659	22.379	ng	-0.01
23) Nitrobenzene-d5	7.392	82	69117	15.412	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	30592	21.269	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	143411	18.175	ng	-0.02
79) Terphenyl-d14	12.963	244	120718	13.989	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.475	77	209	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	9724	3.310	ng	# 71
25) Isophorone	7.392	82	69116	8.480	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	15824	8.823	ng	# 22
52) Acenaphthene	9.904	154	25288	3.789	ng	97
58) Fluorene	10.422	166	21533	2.654	ng	# 95
71) Phenanthrene	11.392	178	361123	36.559	ng	99
72) Anthracene	11.445	178	55864	5.437	ng	98
75) Fluoranthene	12.592	202	168007	15.733	ng	98
78) Pyrene	12.821	202	254662	19.703	ng	99
81) Benzo(a)anthracene	14.021	228	94143	9.774	ng	99
83) Chrysene	14.057	228	91301	9.787	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	19961	2.117	ng	95
88) Benzo(b)fluoranthene	15.092	252	83244	10.418	ng	95
89) Benzo(k)fluoranthene	15.092	252	83244	10.232	ng	93
90) Benzo(a)pyrene	15.468	252	47691	6.172	ng	98
92) Benzo(g,h,i)perylene	17.551	276	21316	2.684	ng	# 95

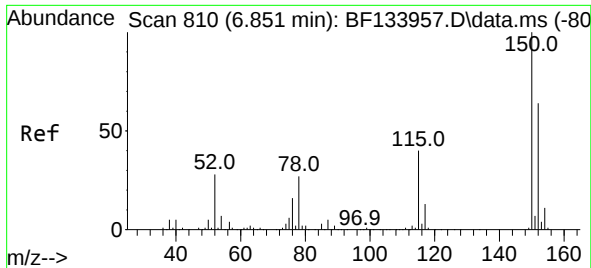
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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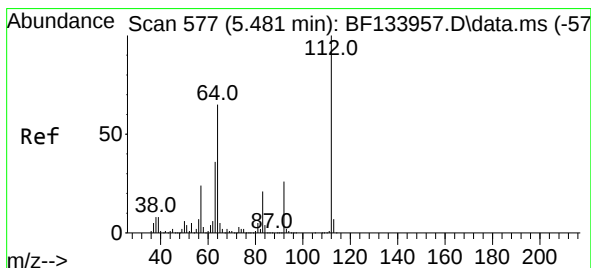
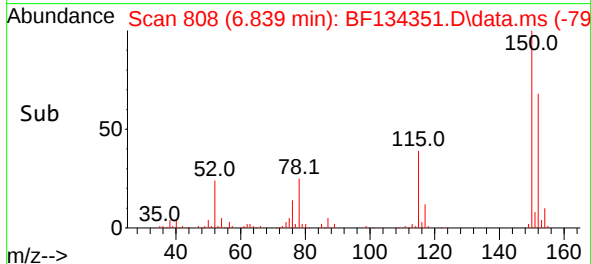
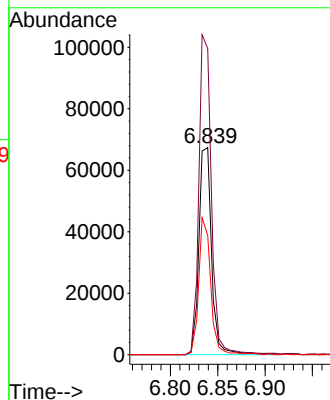
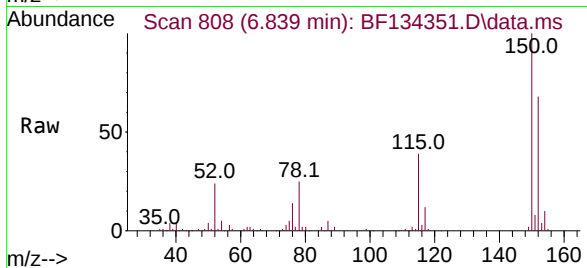




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

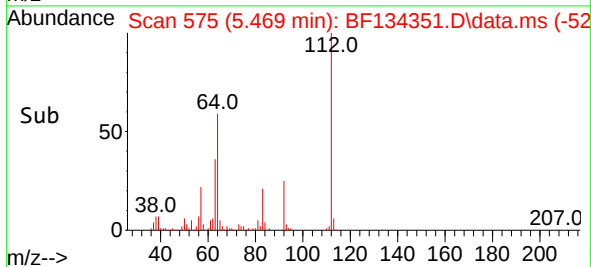
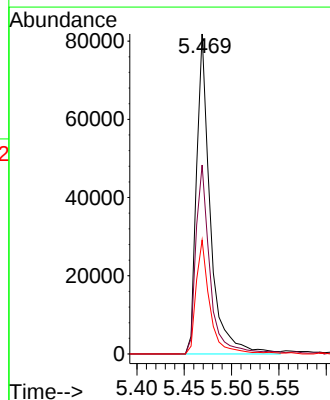
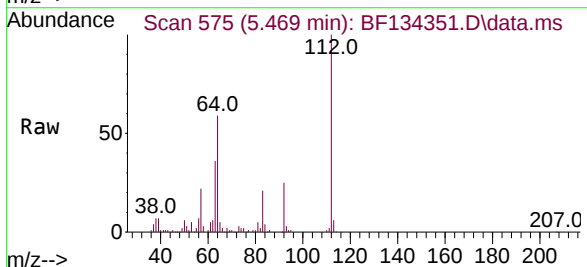
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)DL

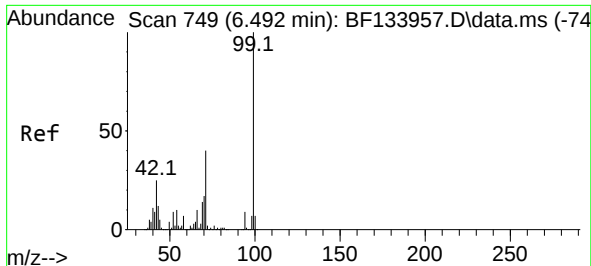
Tgt Ion:152 Resp: 63003
Ion Ratio Lower Upper
152 100
150 147.9 124.5 186.7
115 57.5 50.2 75.2



#5
2-Fluorophenol
Concen: 22.079 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:112 Resp: 83159
Ion Ratio Lower Upper
112 100
64 59.0 52.1 78.1
63 35.6 28.6 42.8

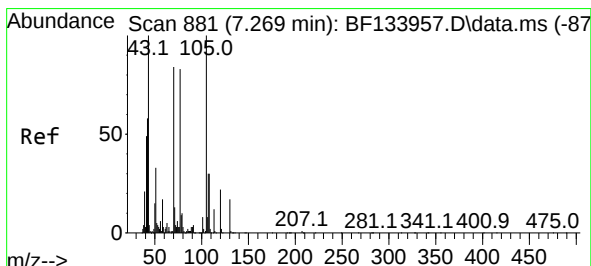
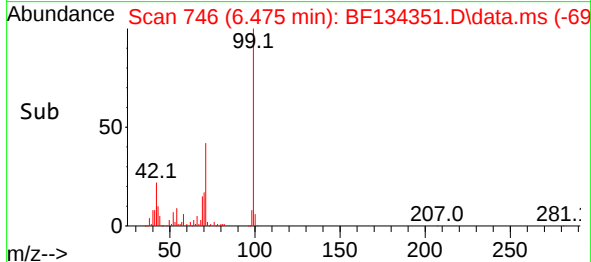
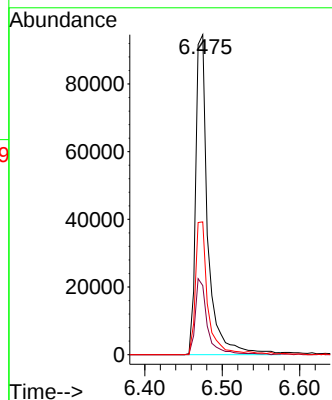
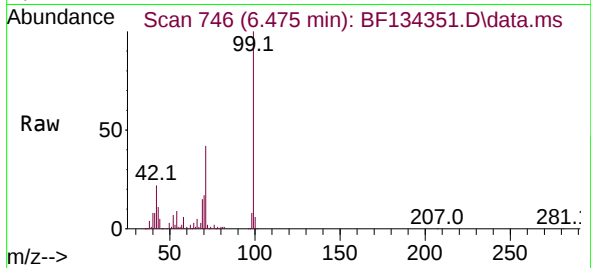




#7
Phenol-d6
Concen: 22.379 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

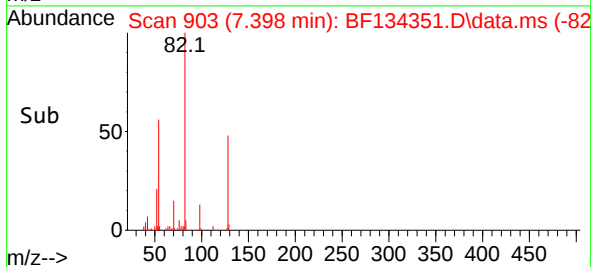
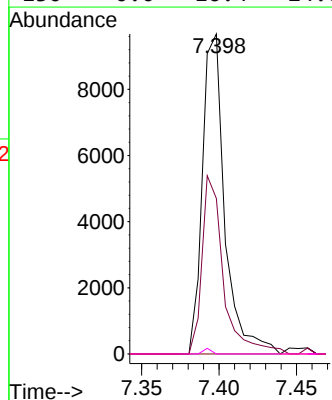
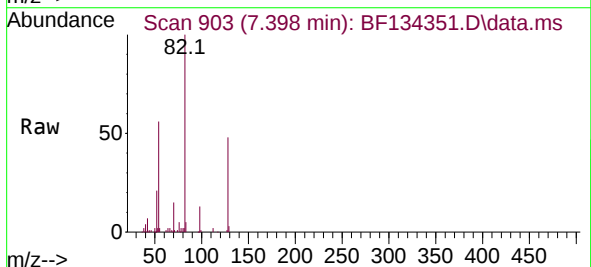
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)DL

Tgt Ion: 99 Resp: 103659
Ion Ratio Lower Upper
99 100
42 21.6 19.8 29.6
71 41.5 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 3.310 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion: 70 Resp: 9724
Ion Ratio Lower Upper
70 100
42 48.6 54.7 82.1#
101 0.0 7.7 11.5#
130 0.0 16.4 24.6#



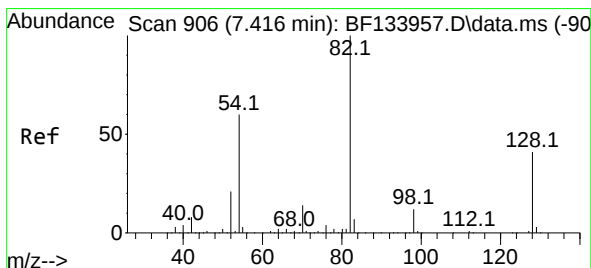
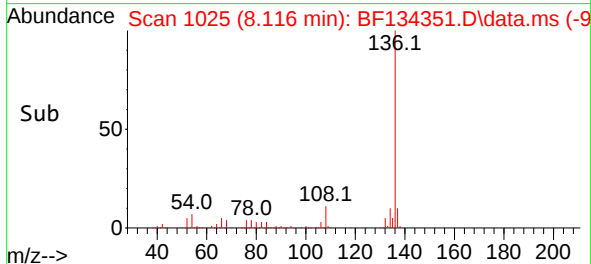
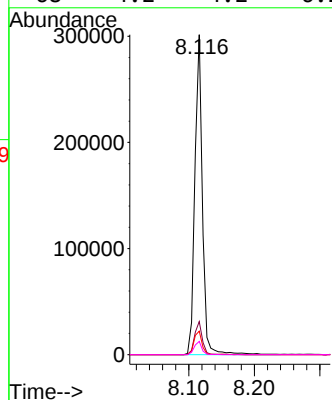
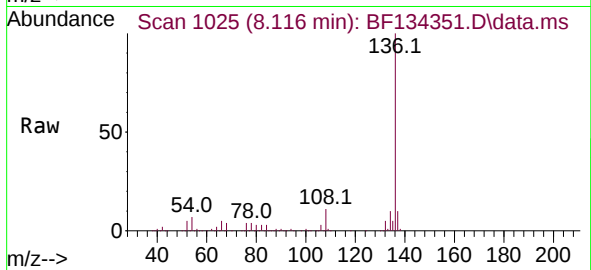


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)DL

Tgt Ion:136 Resp: 241747

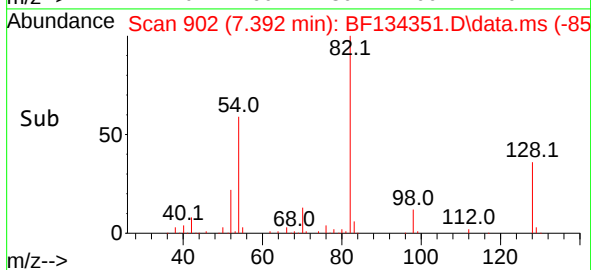
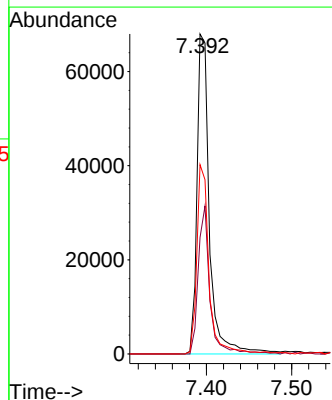
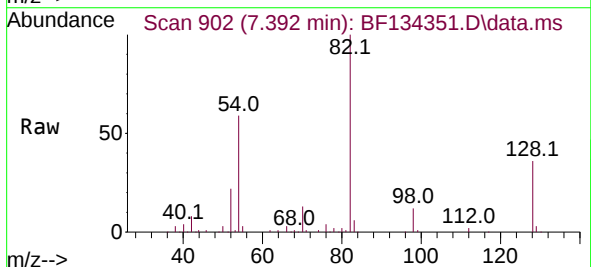
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	12.8
54	7.3	6.5	9.7
68	4.2	4.2	6.2



#23
Nitrobenzene-d5
Concen: 15.412 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.018 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion: 82 Resp: 69117

Ion	Ratio	Lower	Upper
82	100		
128	36.4	32.5	48.7
54	59.2	48.2	72.2

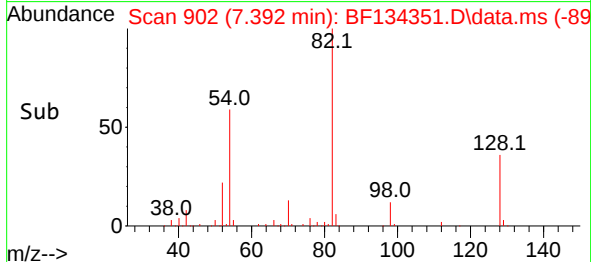
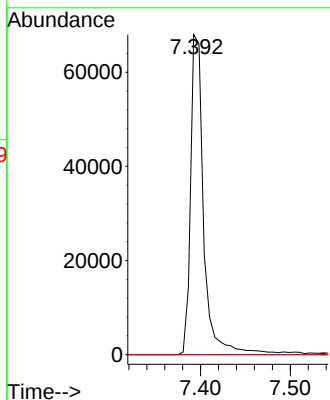
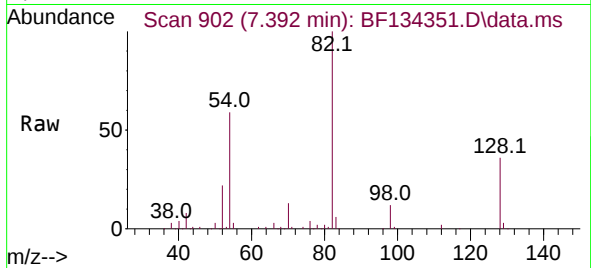




#25
Isophorone
Concen: 8.480 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

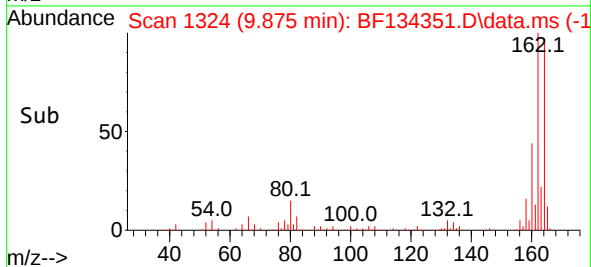
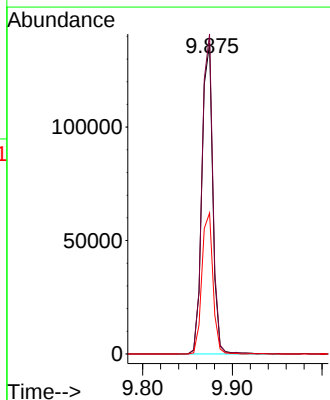
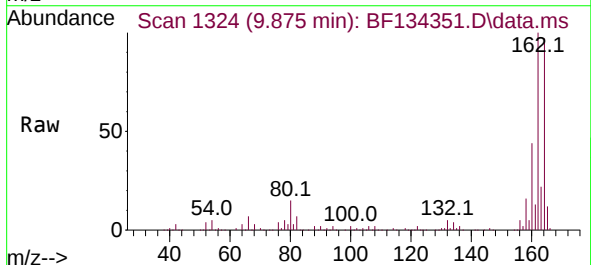
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)DL

Tgt Ion: 82 Resp: 69116
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:164 Resp: 114718
Ion Ratio Lower Upper
164 100
162 103.0 80.0 120.0
160 45.4 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 21.269 ng

RT: 10.669 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL

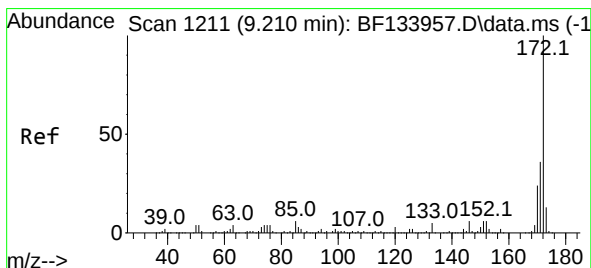
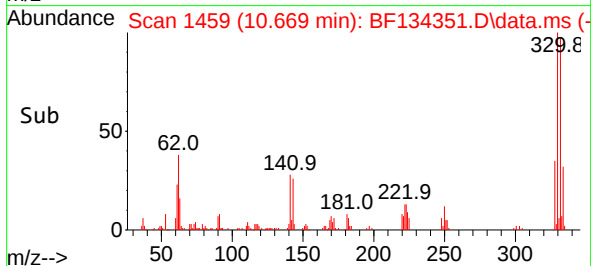
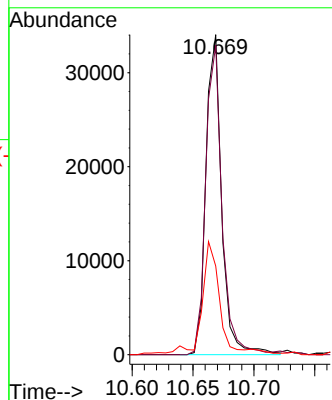
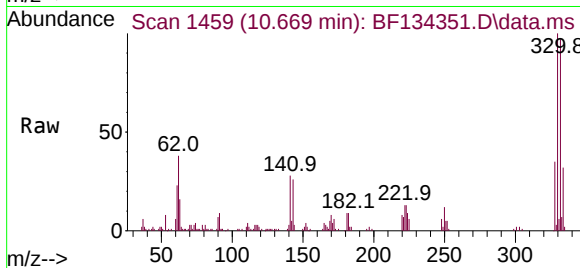
Tgt Ion:330 Resp: 30592

Ion Ratio Lower Upper

330 100

332 100.1 77.0 115.6

141 41.0 26.3 39.5#



#45

2-Fluorobiphenyl

Concen: 18.175 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.018 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

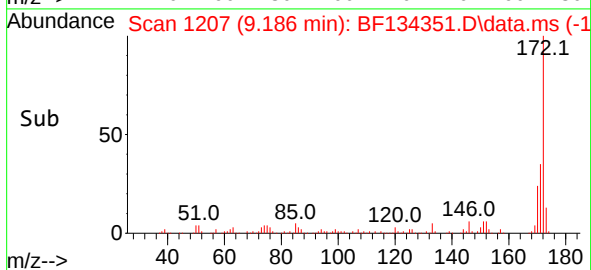
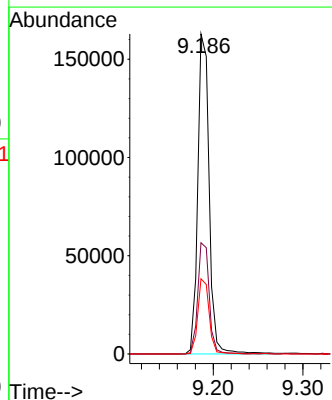
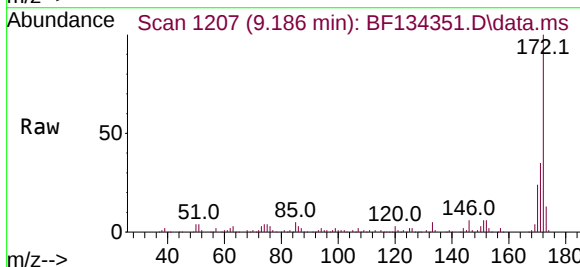
Tgt Ion:172 Resp: 143411

Ion Ratio Lower Upper

172 100

171 34.7 28.6 43.0

170 23.5 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.823 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL

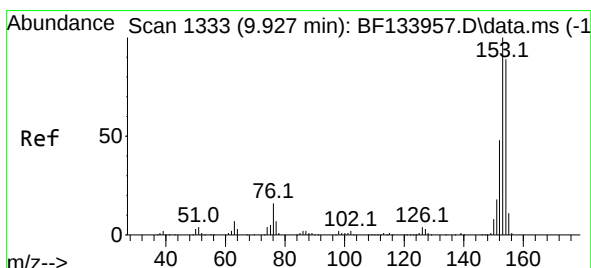
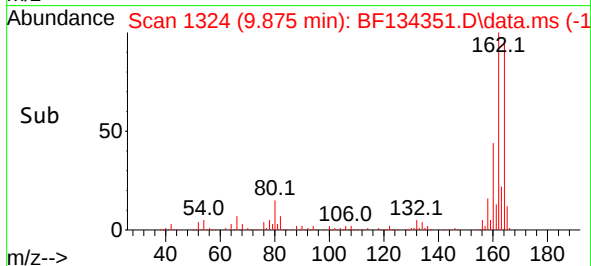
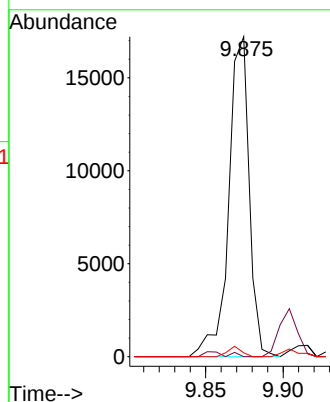
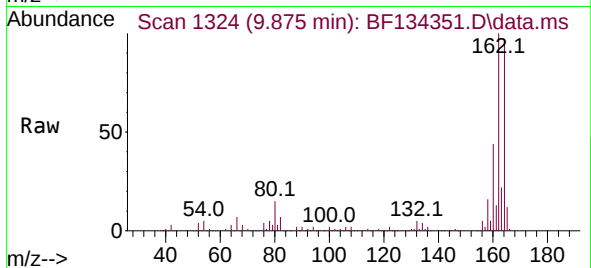
Tgt Ion:165 Resp: 15824

Ion Ratio Lower Upper

165 100

63 0.0 48.5 72.7#

89 1.2 45.5 68.3#



#52

Acenaphthene

Concen: 3.789 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.012 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

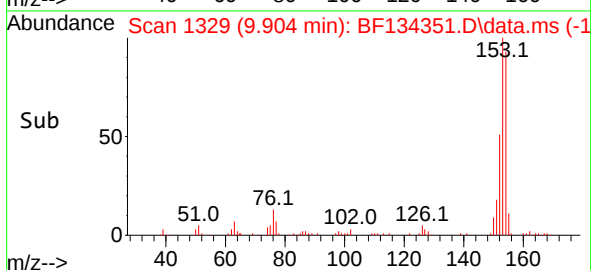
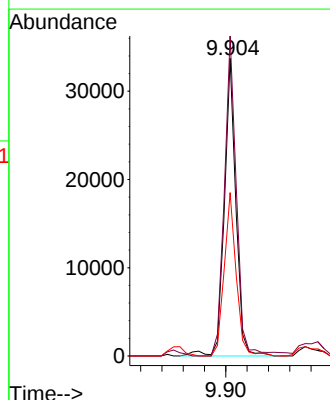
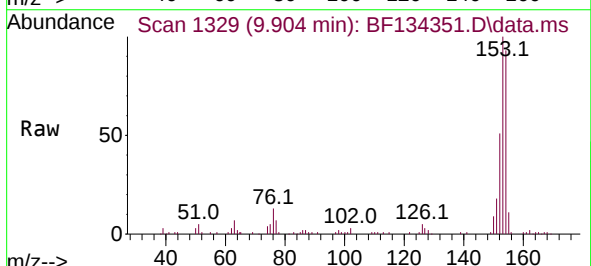
Tgt Ion:154 Resp: 25288

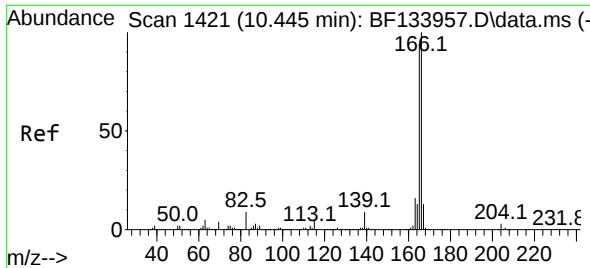
Ion Ratio Lower Upper

154 100

153 107.5 89.4 134.2

152 54.9 42.8 64.2

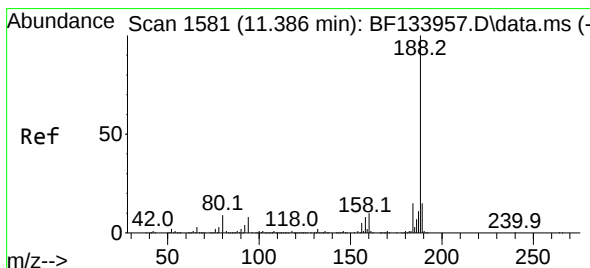
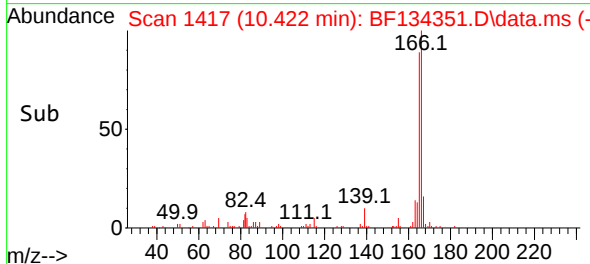
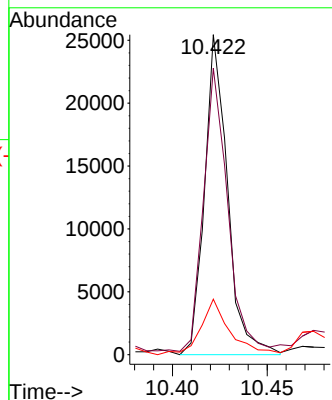
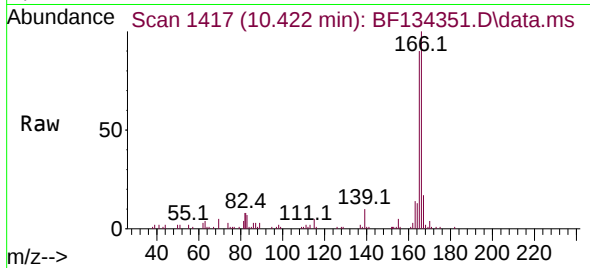




#58
Fluorene
Concen: 2.654 ng
RT: 10.422 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

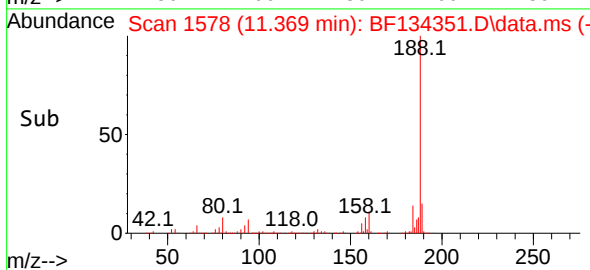
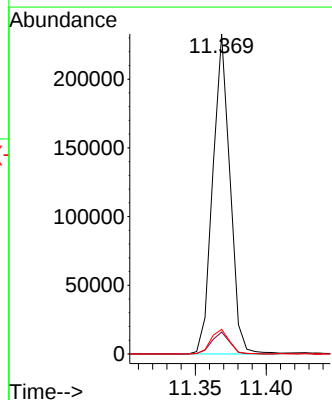
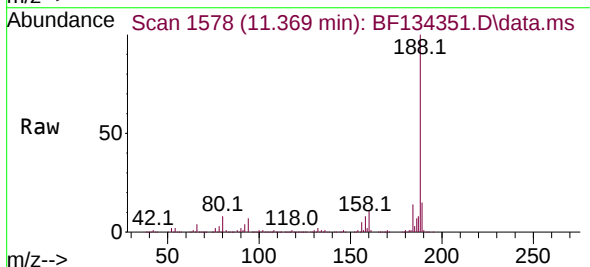
Instrument :
BNA_F
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RB-42-(5-7)DL

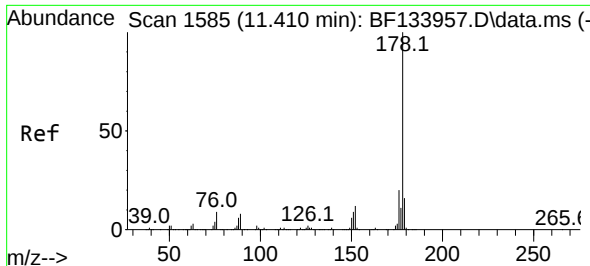
Tgt Ion:166 Resp: 21533
Ion Ratio Lower Upper
166 100
165 89.5 75.0 112.4
167 17.4 10.6 15.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:188 Resp: 196214
Ion Ratio Lower Upper
188 100
94 6.8 6.4 9.6
80 7.7 7.3 10.9

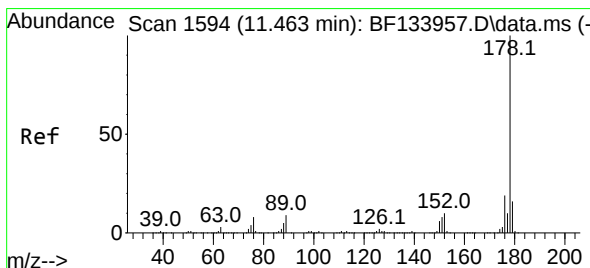
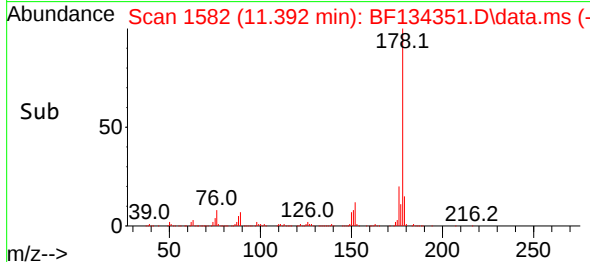
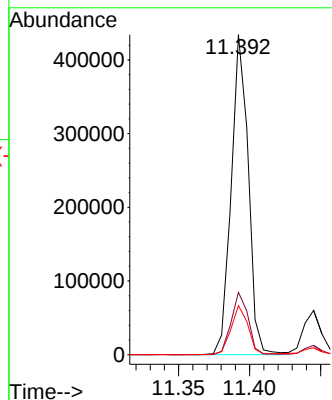
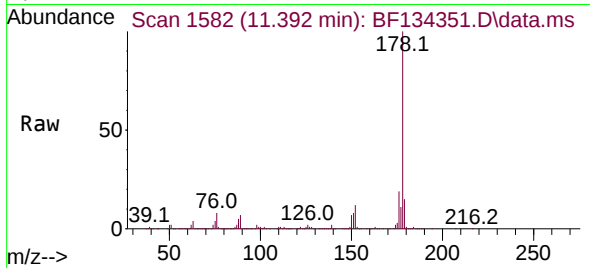




#71
Phenanthrene
Concen: 36.559 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

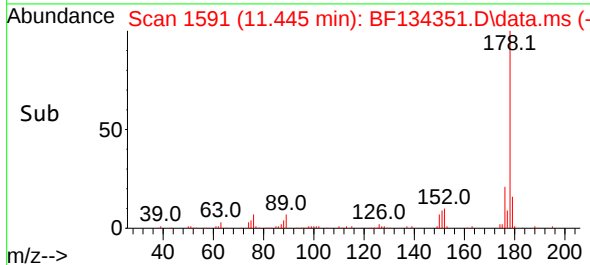
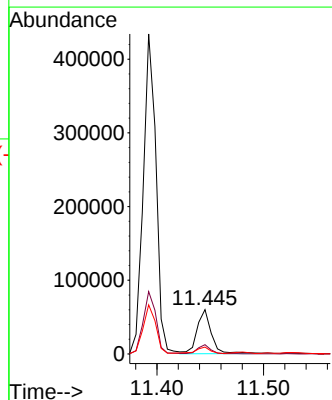
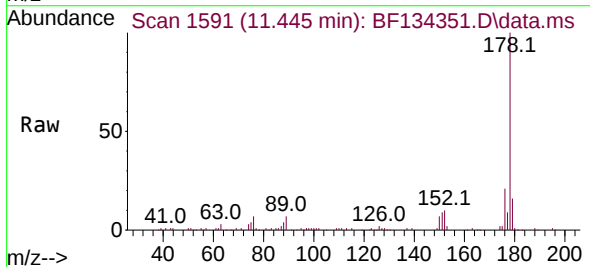
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)DL

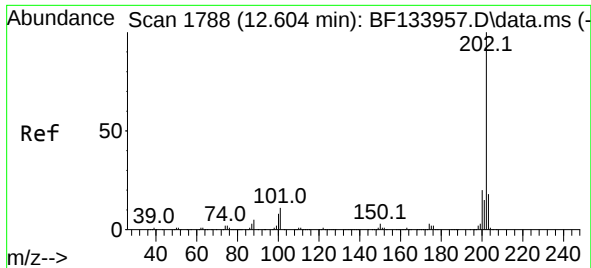
Tgt Ion:178 Resp: 361123
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.4 12.4 18.6



#72
Anthracene
Concen: 5.437 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:178 Resp: 55864
Ion Ratio Lower Upper
178 100
176 20.9 15.3 22.9
179 15.5 12.4 18.6

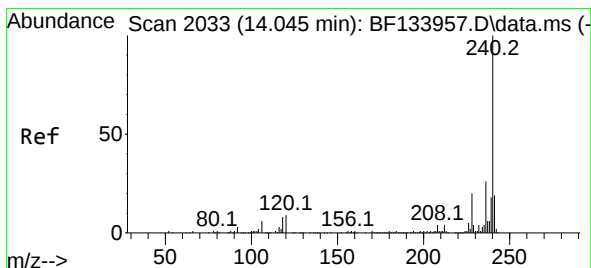
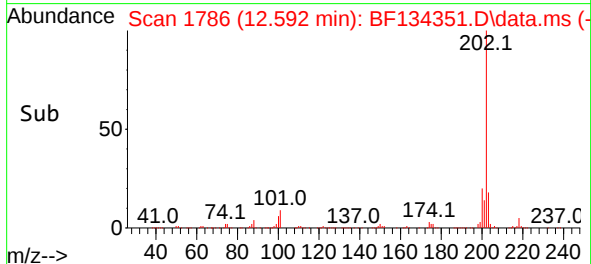
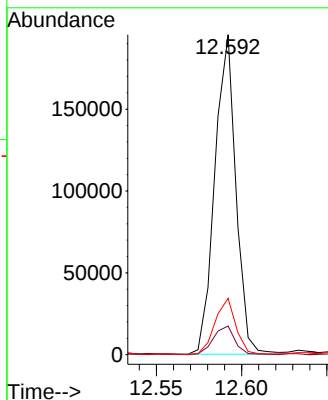
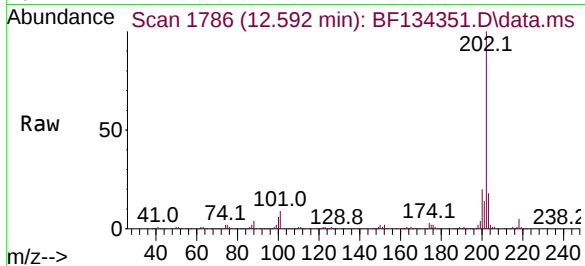




#75
Fluoranthene
Concen: 15.733 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

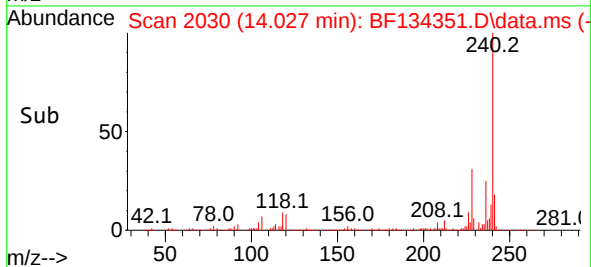
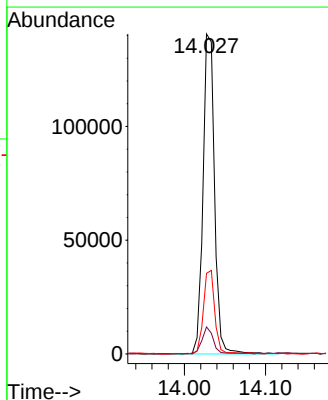
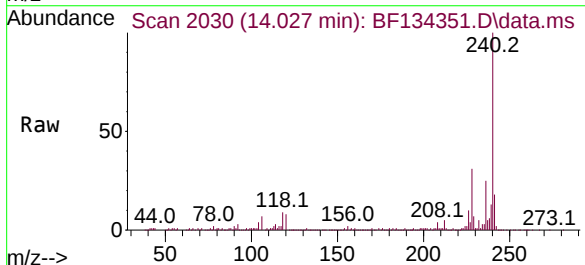
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)DL

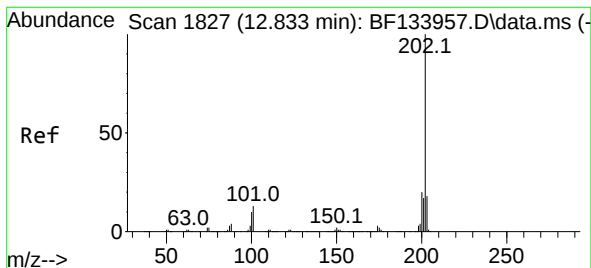
Tgt Ion:202 Resp: 168007
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.0
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:240 Resp: 138886
Ion Ratio Lower Upper
240 100
120 8.5 7.4 11.0
236 25.2 21.0 31.6





#78

Pyrene

Concen: 19.703 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL

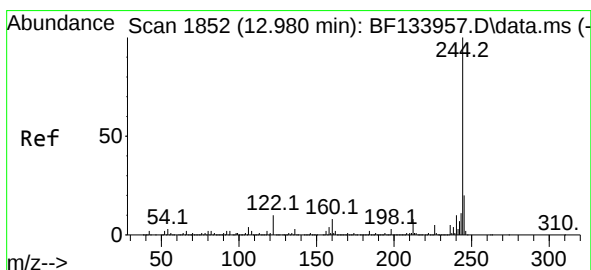
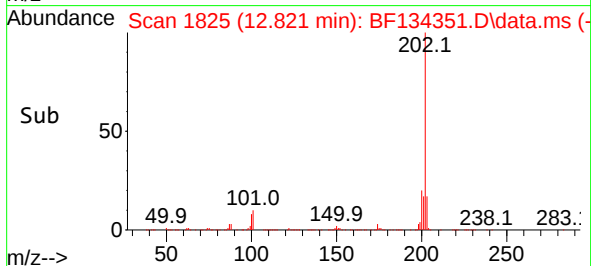
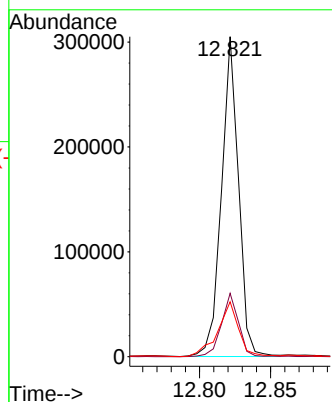
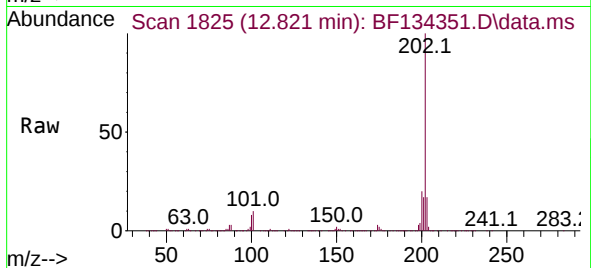
Tgt Ion:202 Resp: 254662

Ion Ratio Lower Upper

202 100

200 19.8 16.1 24.1

203 17.1 14.3 21.5



#79

Terphenyl-d14

Concen: 13.989 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

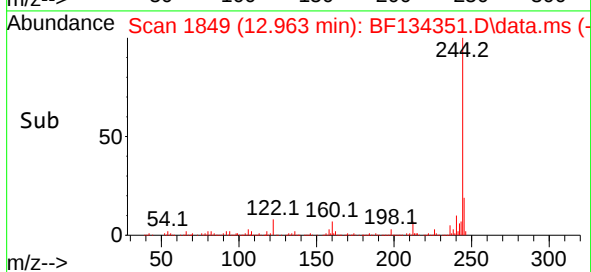
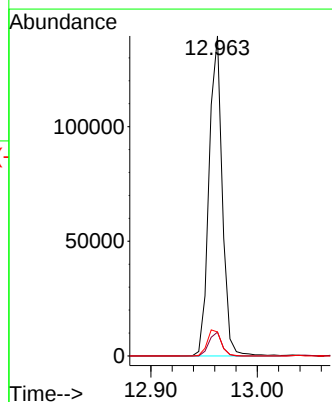
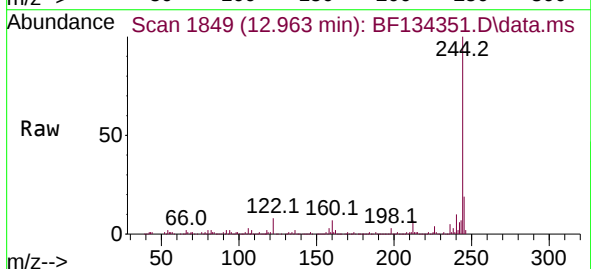
Tgt Ion:244 Resp: 120718

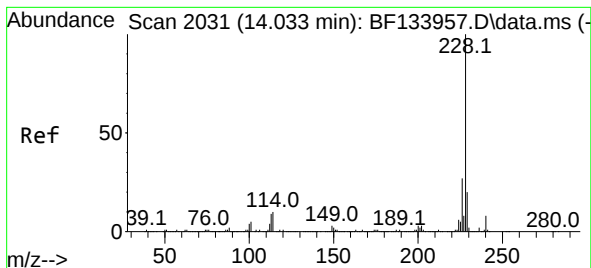
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 7.5 8.3 12.5#





#81

Benzo(a)anthracene

Concen: 9.774 ng

RT: 14.021 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL

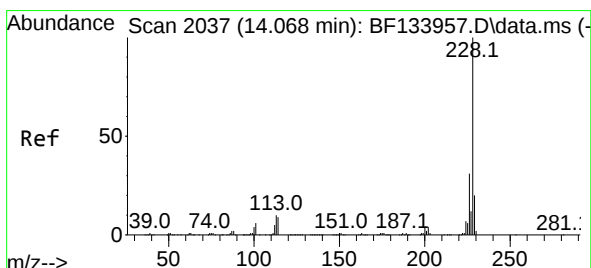
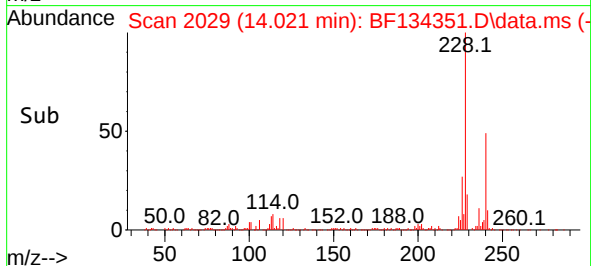
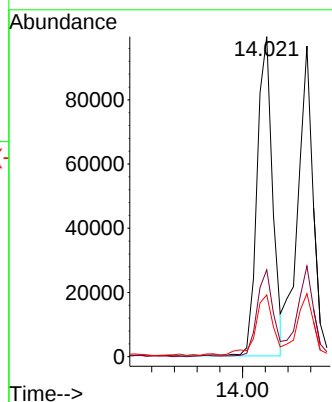
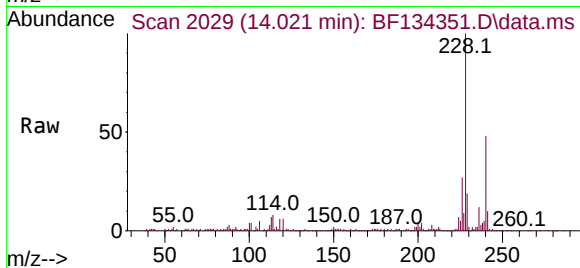
Tgt Ion:228 Resp: 94143

Ion Ratio Lower Upper

228 100

226 27.2 22.0 33.0

229 19.3 16.3 24.5



#83

Chrysene

Concen: 9.787 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

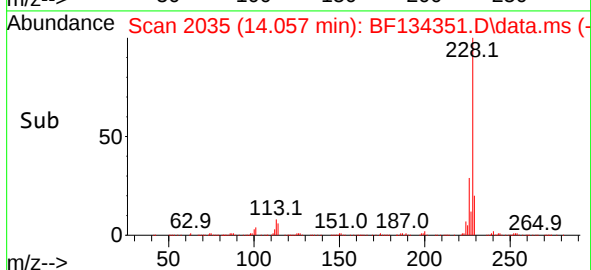
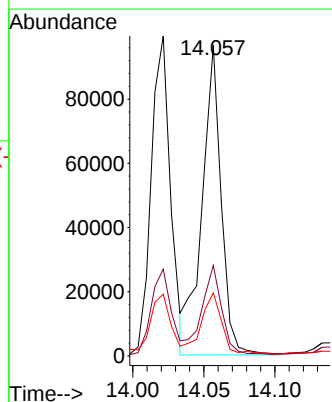
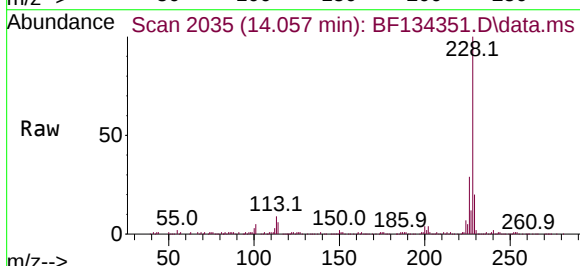
Tgt Ion:228 Resp: 91301

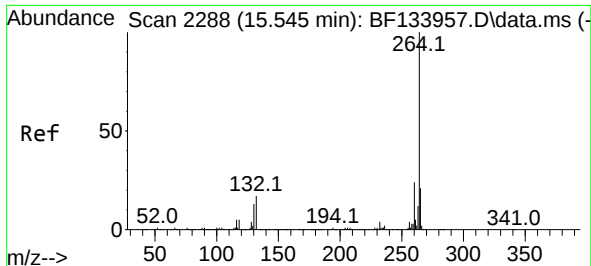
Ion Ratio Lower Upper

228 100

226 29.2 24.4 36.6

229 20.3 16.1 24.1

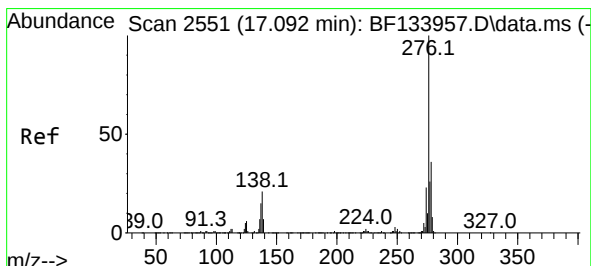
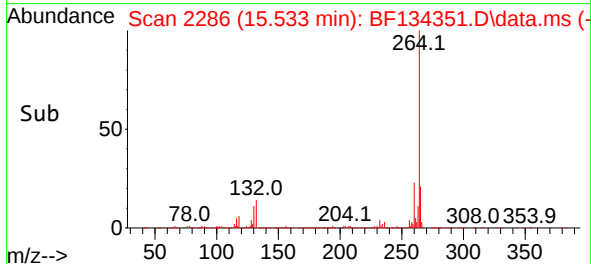
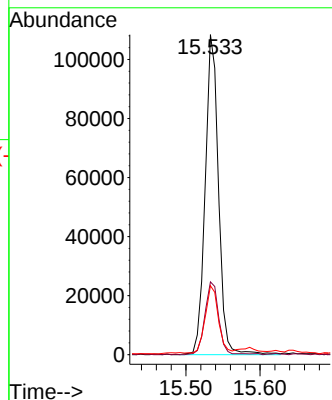
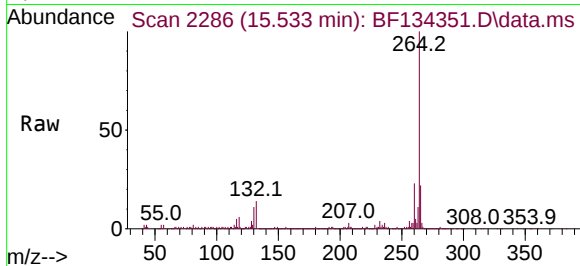




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

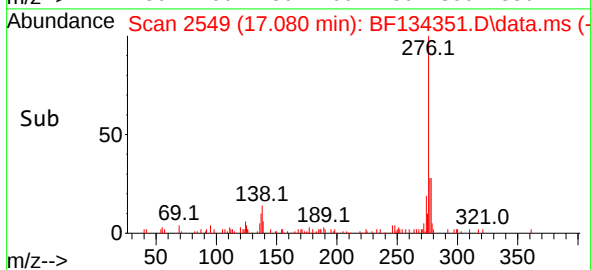
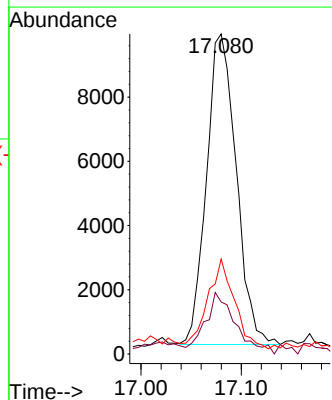
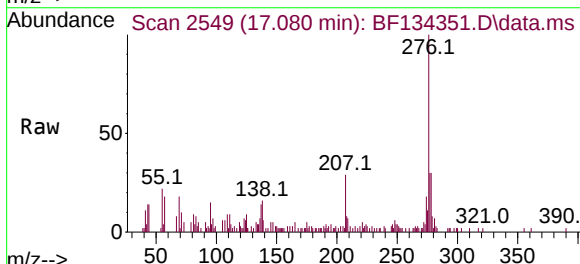
Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)DL

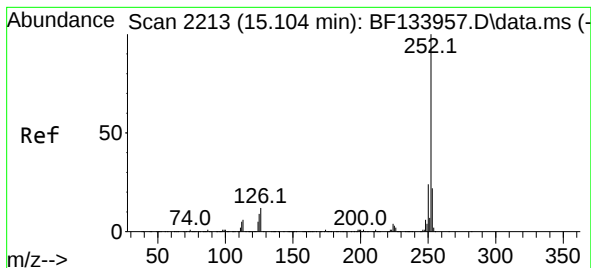
Tgt Ion:264 Resp: 135895
Ion Ratio Lower Upper
264 100
260 22.7 19.5 29.3
265 21.6 16.6 25.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.117 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.018 min
Lab File: BF134351.D
Acq: 18 Jul 2023 22:29

Tgt Ion:276 Resp: 19961
Ion Ratio Lower Upper
276 100
138 20.2 18.7 28.1
277 26.4 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 10.418 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL

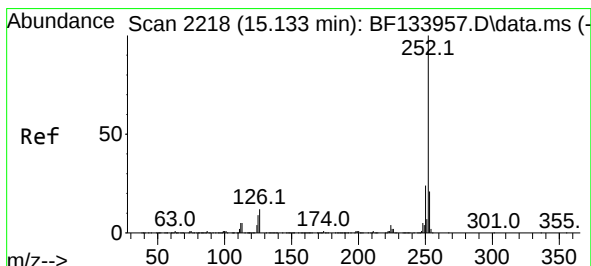
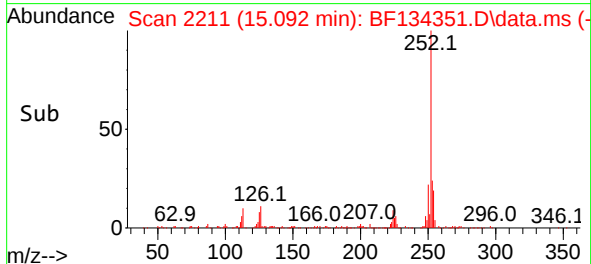
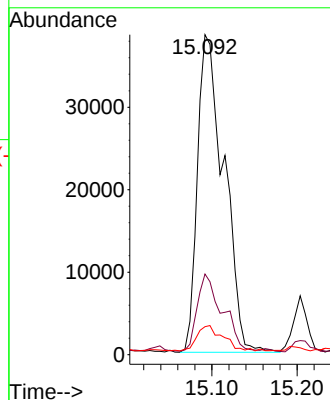
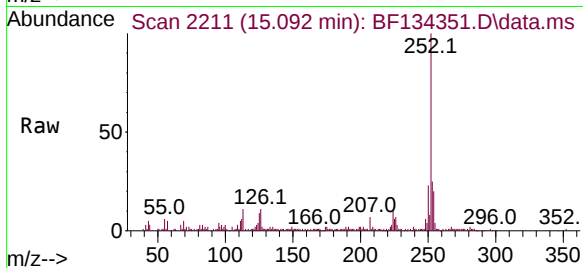
Tgt Ion:252 Resp: 83244

Ion Ratio Lower Upper

252 100

253 25.2 17.4 26.0

125 8.7 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 10.232 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.041 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

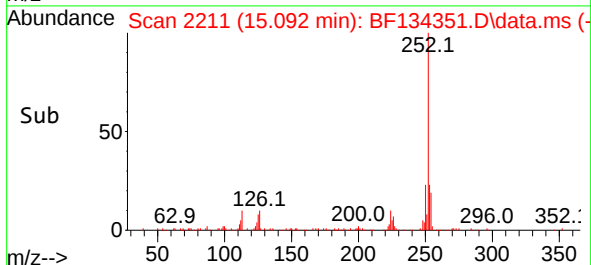
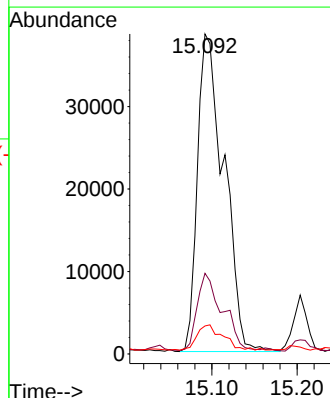
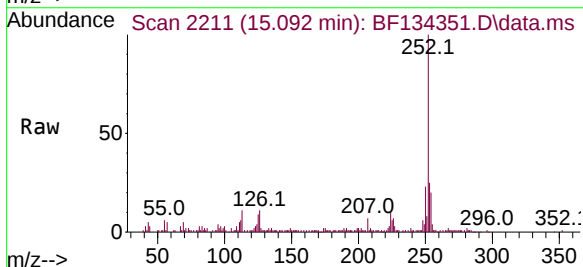
Tgt Ion:252 Resp: 83244

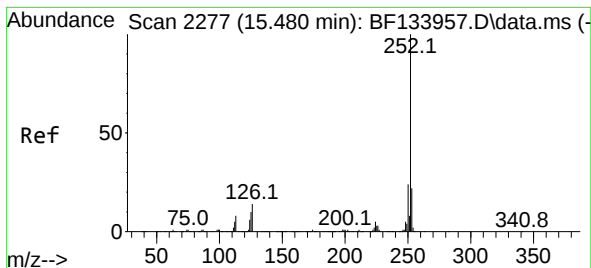
Ion Ratio Lower Upper

252 100

253 25.2 16.9 25.3

125 8.7 7.4 11.2





#90

Benzo(a)pyrene

Concen: 6.172 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

Instrument :

BNA_F

ClientSampleId :

RB-42-(5-7)DL

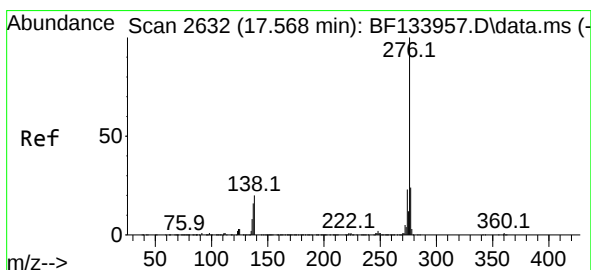
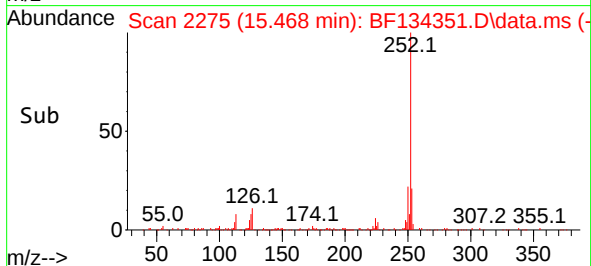
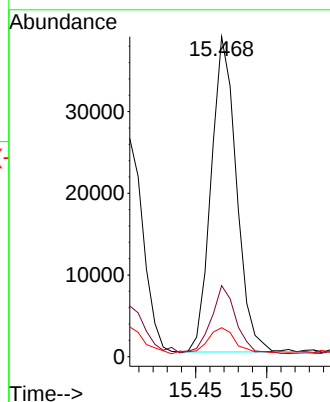
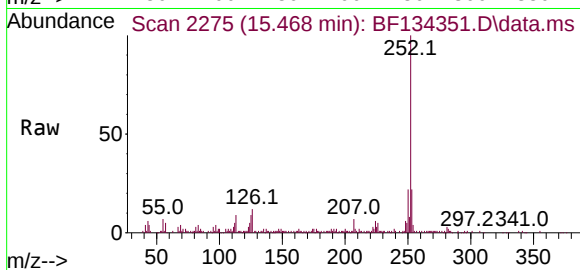
Tgt Ion:252 Resp: 47691

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 9.1 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 2.684 ng

RT: 17.551 min Scan# 2629

Delta R.T. -0.018 min

Lab File: BF134351.D

Acq: 18 Jul 2023 22:29

Tgt Ion:276 Resp: 21316

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 15.4 16.2 24.2#

