

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134230.D
 Acq On : 12 Jul 2023 00:40
 Operator : CG\JU
 Sample : 03488-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 12 01:58:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

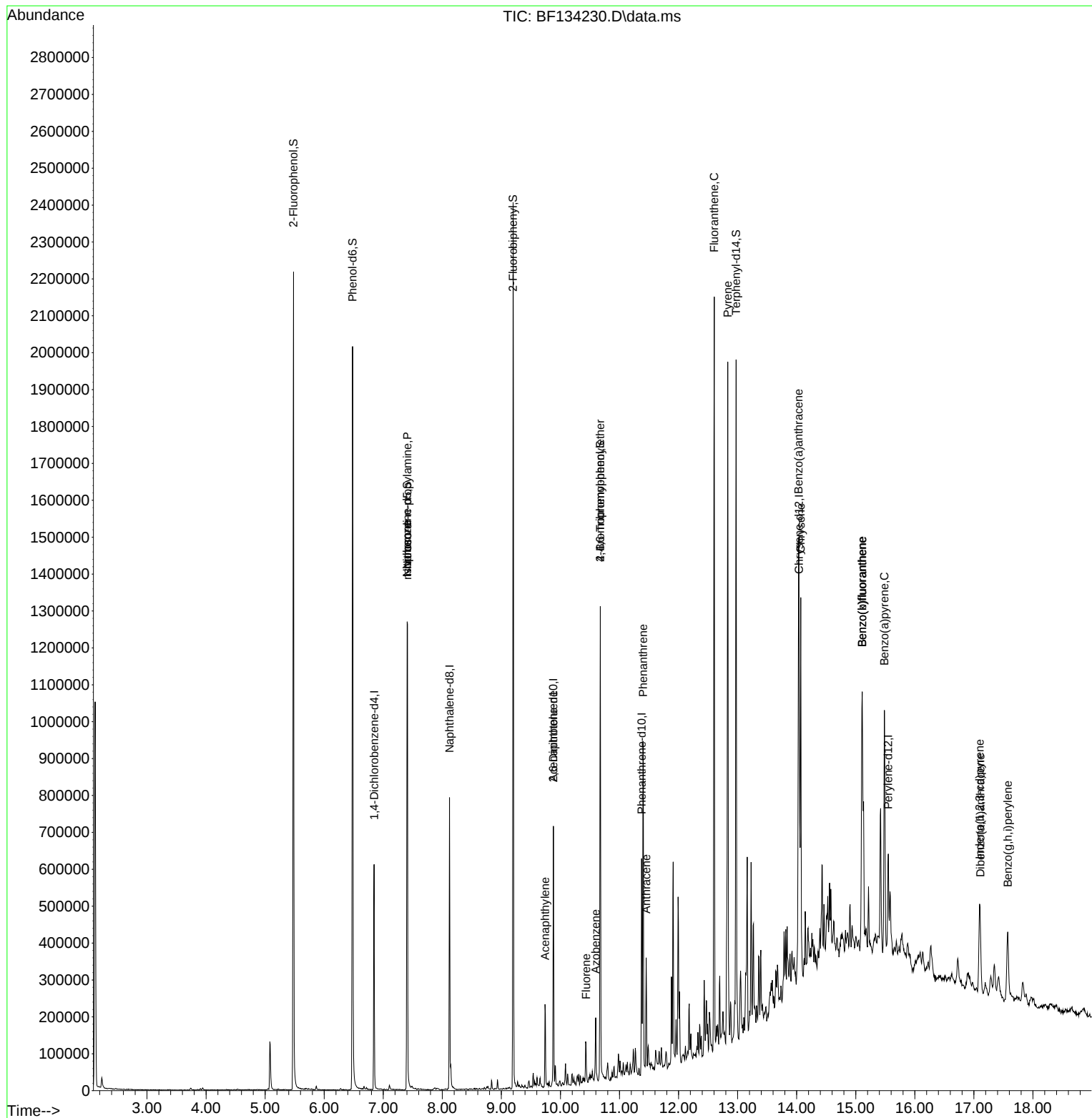
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	85372	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	303485	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	122392	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	213166	20.000	ng	0.00
76) Chrysene-d12	14.039	240	156663	20.000	ng	0.00
86) Perylene-d12	15.551	264	120334	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	549568	107.682	ng	0.00
7) Phenol-d6	6.481	99	634911	101.157	ng	0.00
23) Nitrobenzene-d5	7.404	82	424909	75.473	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	144251	94.002	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	684397	81.299	ng	0.00
79) Terphenyl-d14	12.974	244	614051	63.082	ng	0.00
Target Compounds						
9) Benzaldehyde	6.410	77	147	Below Cal	Qvalue #	87
19) n-Nitroso-di-n-propyla...	7.410	70	59233	14.881 ng	#	74
25) Isophorone	7.404	82	424909	41.527 ng	#	64
49) Acenaphthylene	9.739	152	94629	7.712 ng		98
51) 2,6-Dinitrotoluene	9.880	165	16307	8.522 ng	#	24
58) Fluorene	10.433	166	33154	3.830 ng		96
63) Azobenzene	10.598	77	27182	3.105 ng	#	1
67) 4-Bromophenyl-phenylether	10.675	248	8385	3.701 ng	#	1
71) Phenanthrene	11.398	178	344018	32.058 ng		99
72) Anthracene	11.451	178	109589	9.818 ng		97
75) Fluoranthene	12.604	202	793049	68.358 ng		97
78) Pyrene	12.833	202	754801	51.771 ng		99
81) Benzo(a)anthracene	14.033	228	434812	40.020 ng		94
83) Chrysene	14.068	228	414529	39.391 ng		98
87) Indeno(1,2,3-cd)pyrene	17.098	276	175322	20.997 ng	#	94
88) Benzo(b)fluoranthene	15.110	252	588838	83.219 ng		98
89) Benzo(k)fluoranthene	15.110	252	588838	81.736 ng		98
90) Benzo(a)pyrene	15.486	252	324422	47.415 ng		98
91) Dibenzo(a,h)anthracene	17.109	278	45604	6.687 ng	#	89
92) Benzo(g,h,i)perylene	17.574	276	169190	24.056 ng		98

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

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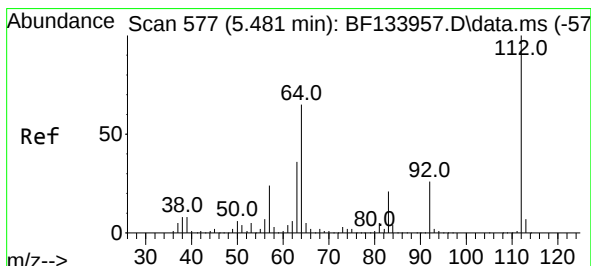
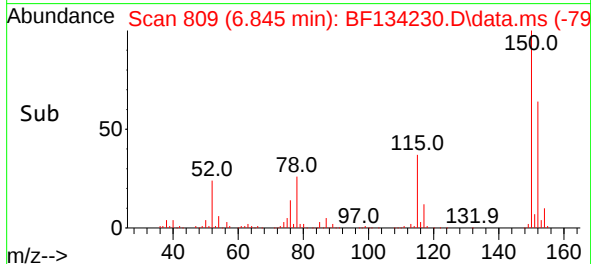
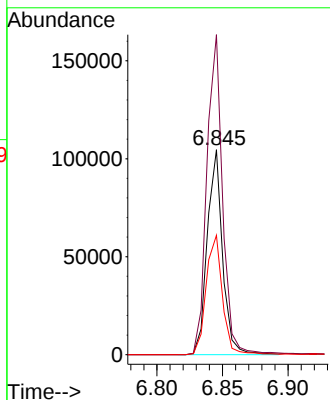
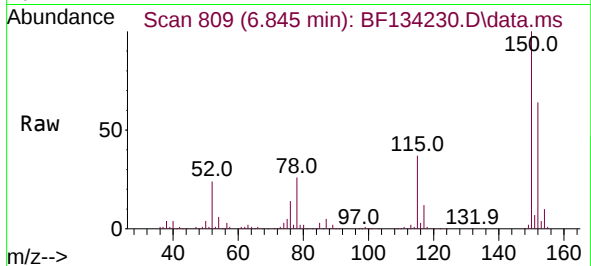




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

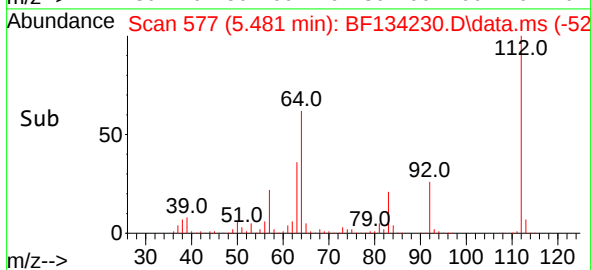
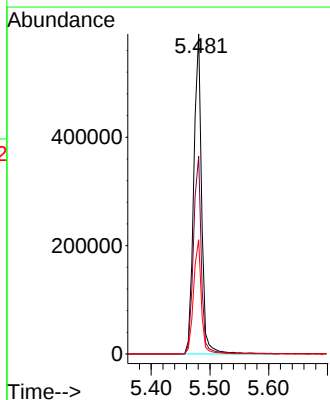
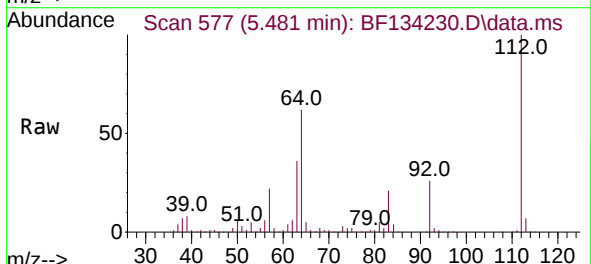
Instrument :
BNA_F
ClientSampleId :

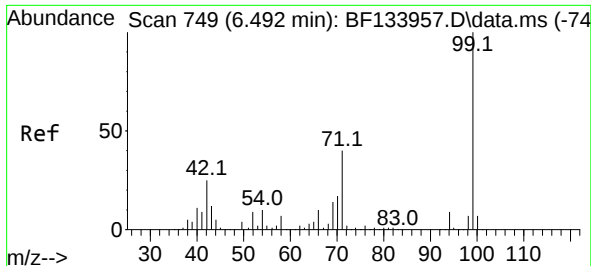
Tgt Ion:152 Resp: 85372
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 58.2 50.2 75.2



#5
2-Fluorophenol
Concen: 107.682 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:112 Resp: 549568
Ion Ratio Lower Upper
112 100
64 61.8 52.1 78.1
63 35.7 28.6 42.8

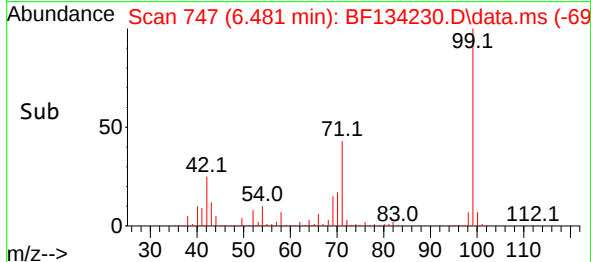
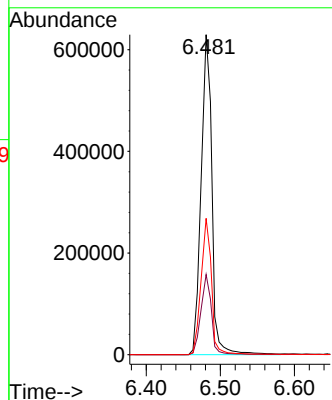
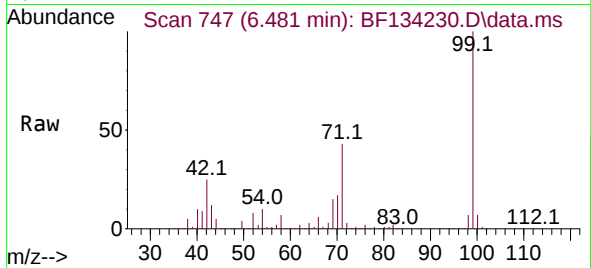




#7
Phenol-d6
Concen: 101.157 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

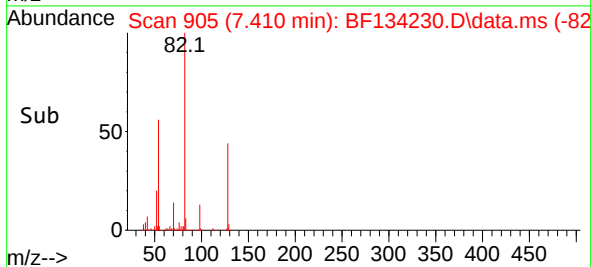
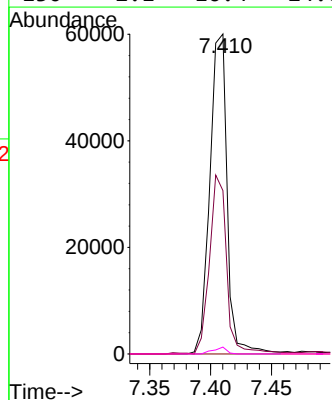
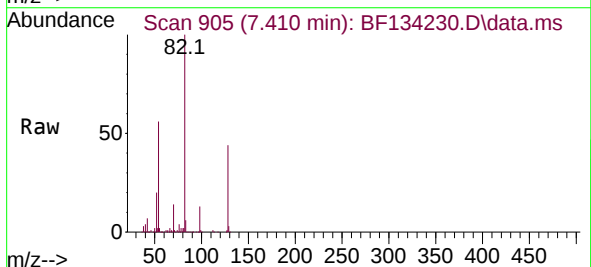
Instrument :
BNA_F
ClientSampleId :

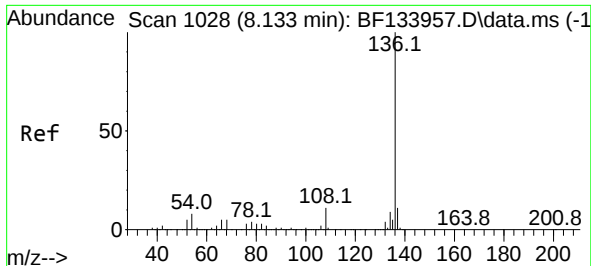
Tgt Ion: 99 Resp: 634911
Ion Ratio Lower Upper
99 100
42 25.1 19.8 29.6
71 42.6 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 14.881 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.153 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion: 70 Resp: 59233
Ion Ratio Lower Upper
70 100
42 51.0 54.7 82.1#
101 0.0 7.7 11.5#
130 2.1 16.4 24.6#



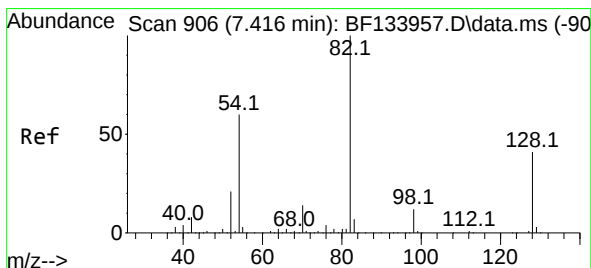
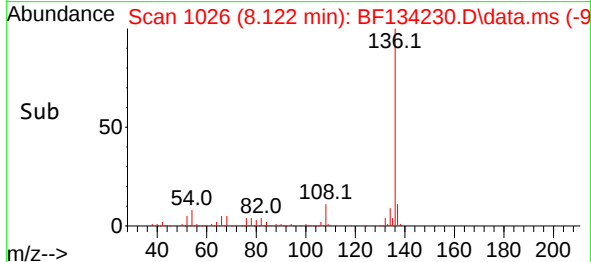
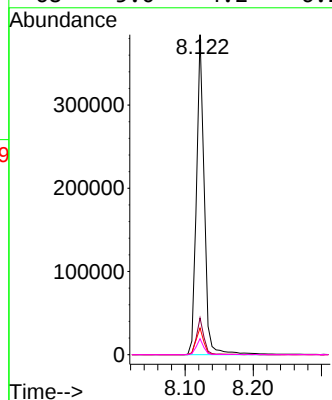
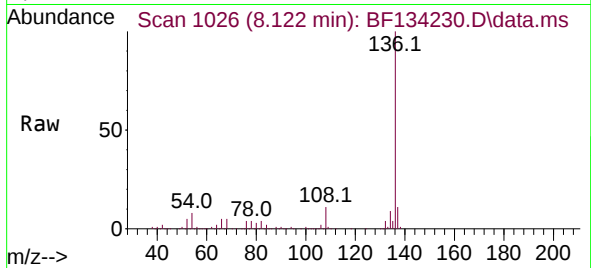


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 303485

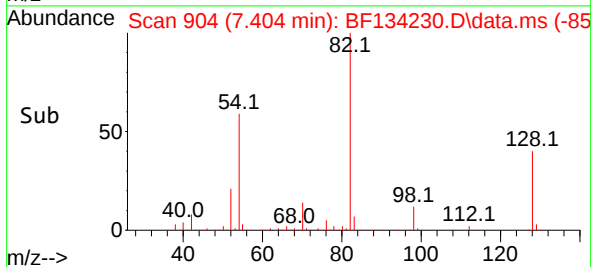
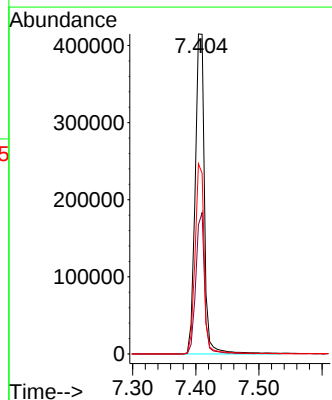
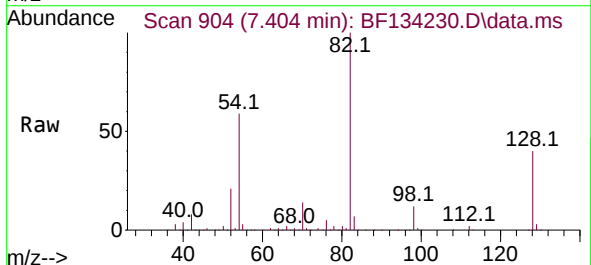
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.6	12.8
54	8.4	6.5	9.7
68	5.0	4.2	6.2



#23
Nitrobenzene-d5
Concen: 75.473 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion: 82 Resp: 424909

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.5	48.7
54	59.4	48.2	72.2

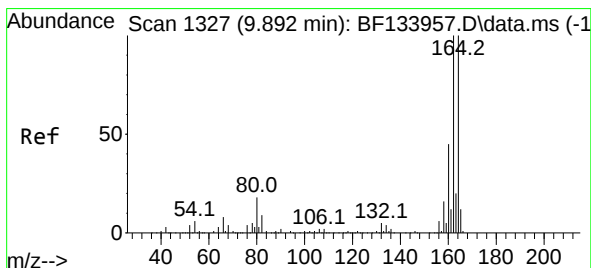
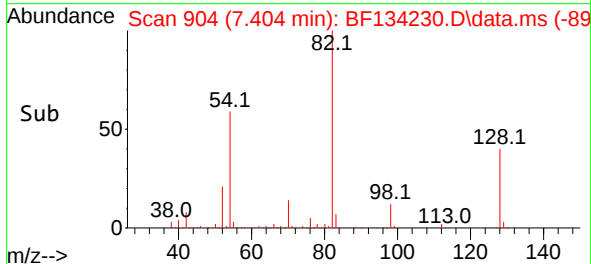
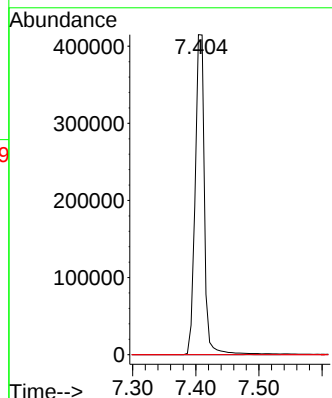
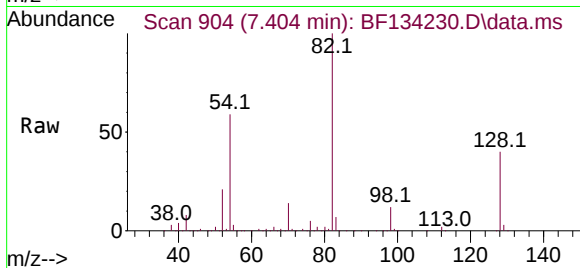




#25
Isophorone
Concen: 41.527 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

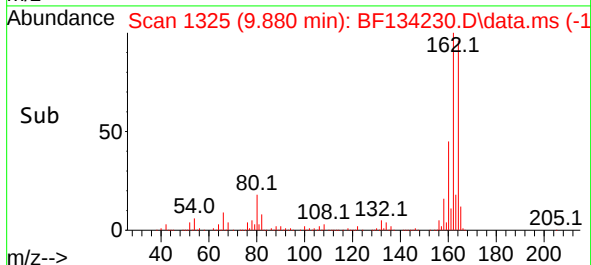
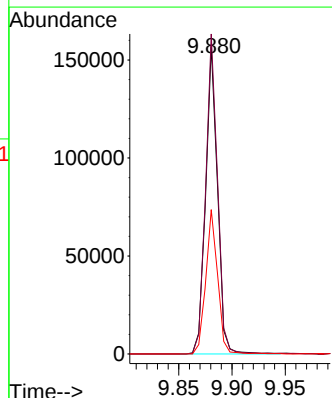
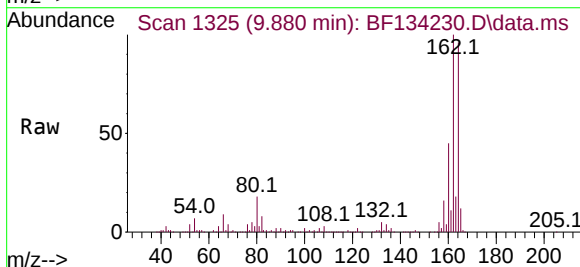
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 424909
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: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:164 Resp: 122392
Ion Ratio Lower Upper
164 100
162 104.0 80.0 120.0
160 46.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 94.002 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

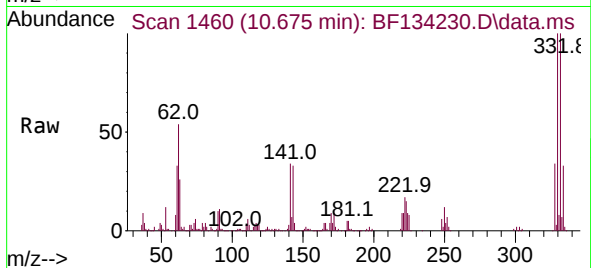
Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :



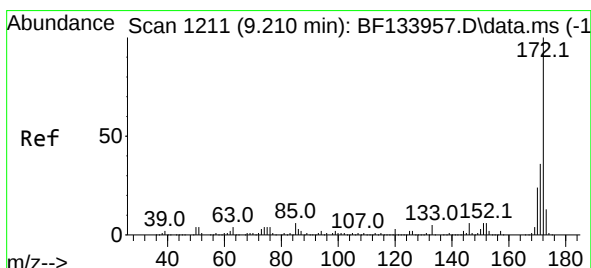
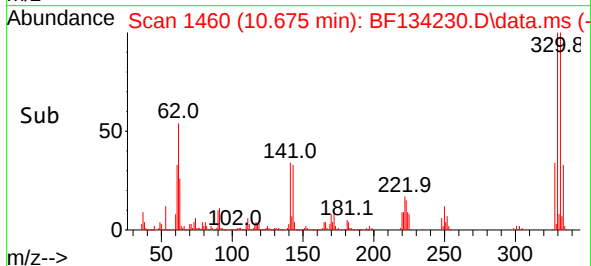
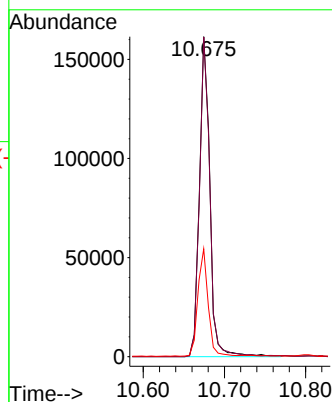
Tgt Ion:330 Resp: 144251

Ion Ratio Lower Upper

330 100

332 98.8 77.0 115.6

141 33.3 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 81.299 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

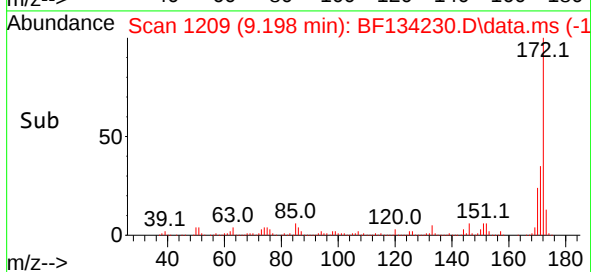
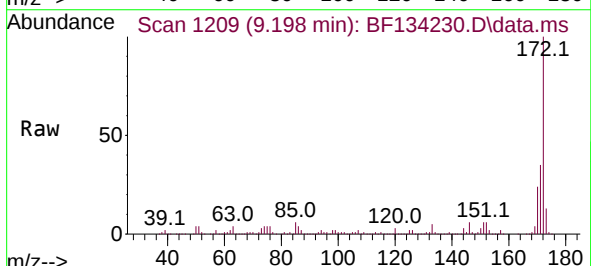
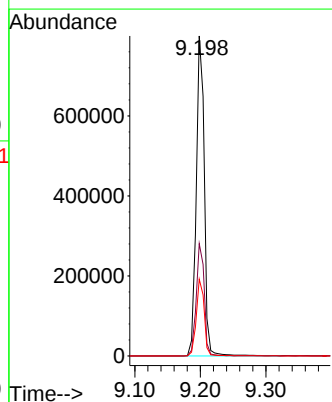
Tgt Ion:172 Resp: 684397

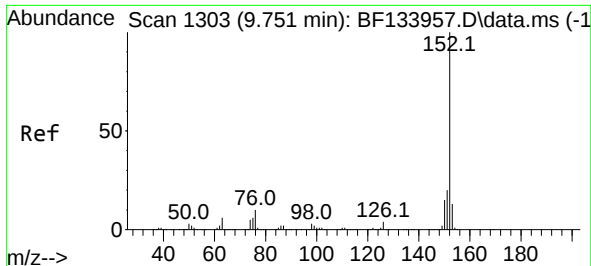
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 24.0 19.4 29.0





#49

Acenaphthylene

Concen: 7.712 ng

RT: 9.739 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

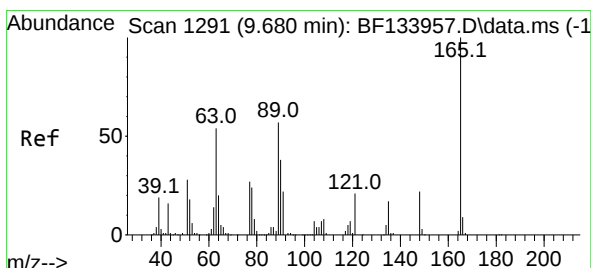
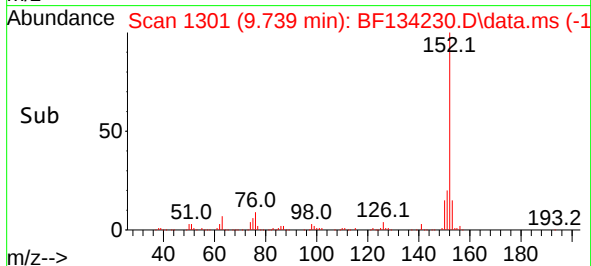
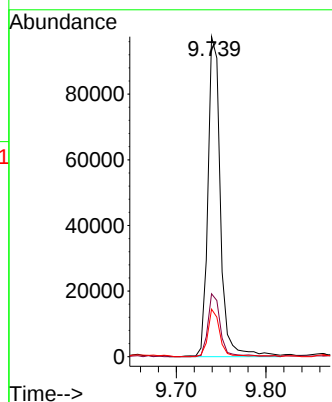
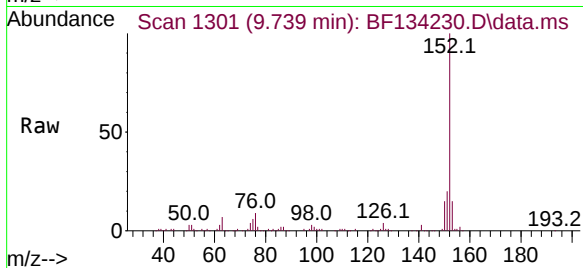
Tgt Ion:152 Resp: 94629

Ion Ratio Lower Upper

152 100

151 19.7 16.2 24.2

153 14.8 10.8 16.2



#51

2,6-Dinitrotoluene

Concen: 8.522 ng

RT: 9.880 min Scan# 1325

Delta R.T. 0.206 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

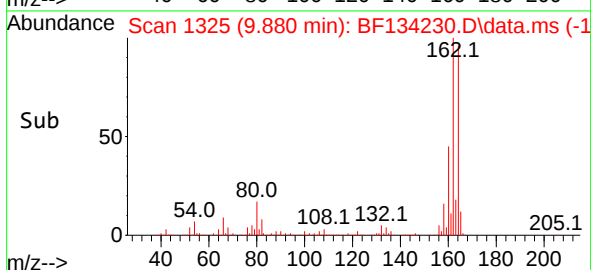
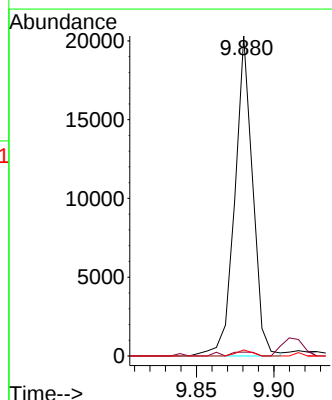
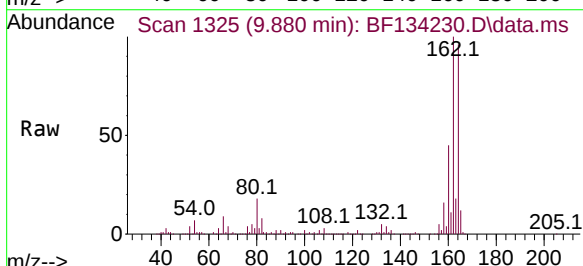
Tgt Ion:165 Resp: 16307

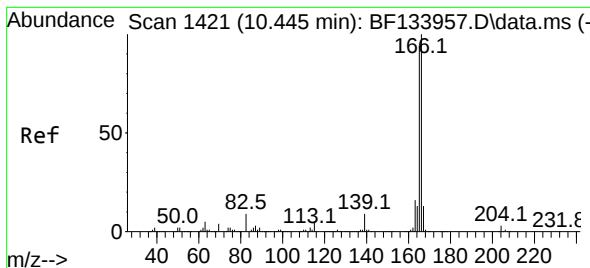
Ion Ratio Lower Upper

165 100

63 1.2 48.5 72.7#

89 1.9 45.5 68.3#





#58

Fluorene

Concen: 3.830 ng

RT: 10.433 min Scan# 1419

Delta R.T. -0.006 min

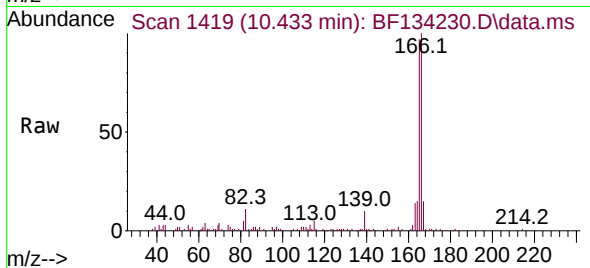
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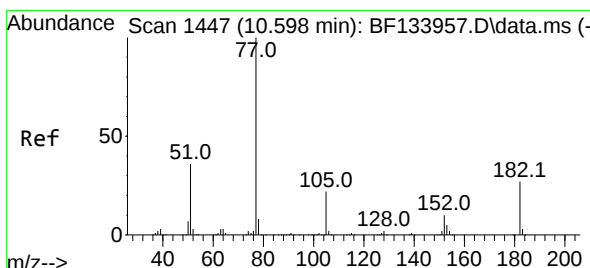
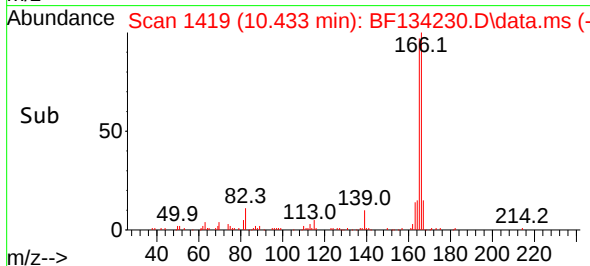
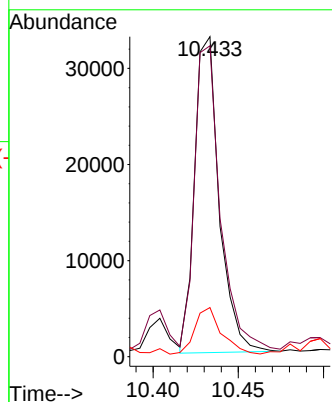
Tgt Ion:166 Resp: 33154

Ion Ratio Lower Upper

166 100

165 97.2 75.0 112.4

167 15.3 10.6 15.8



#63

Azobenzene

Concen: 3.105 ng

RT: 10.598 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Tgt Ion: 77 Resp: 27182

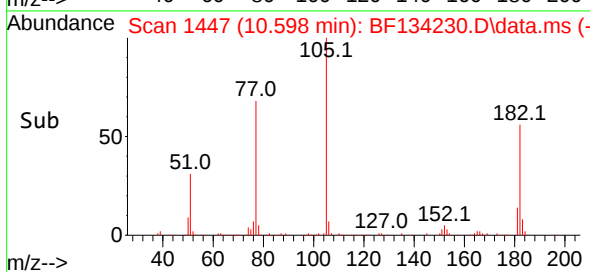
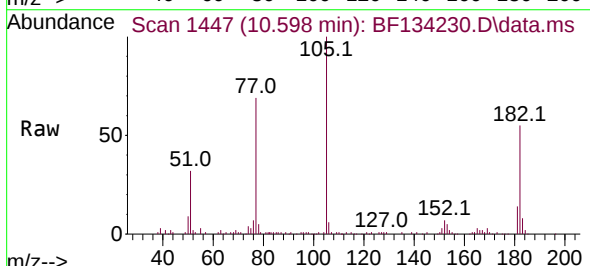
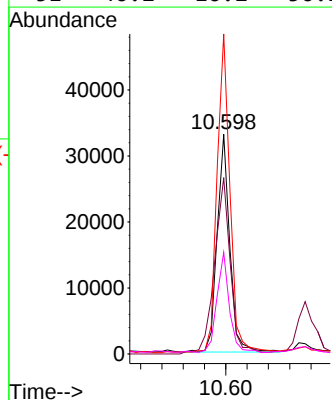
Ion Ratio Lower Upper

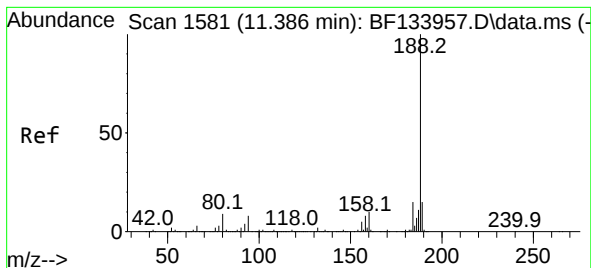
77 100

182 80.2 6.8 46.8#

105 145.6 2.3 42.3#

51 46.2 16.2 56.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

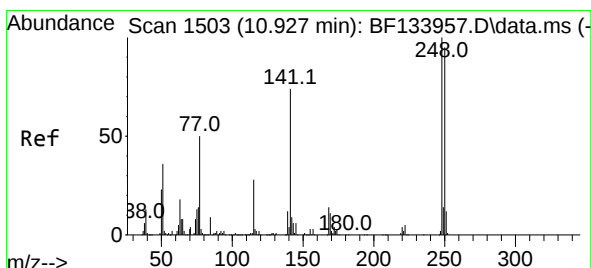
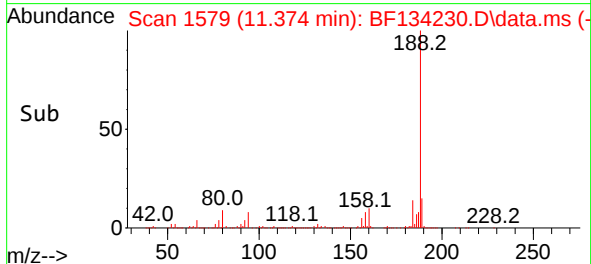
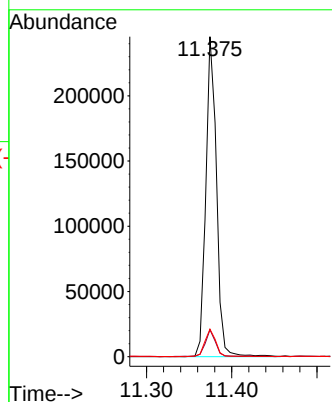
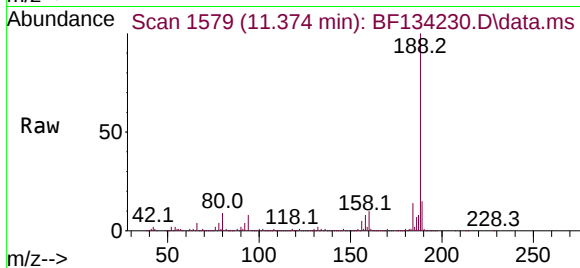
Tgt Ion:188 Resp: 213166

Ion Ratio Lower Upper

188 100

94 8.4 6.4 9.6

80 8.6 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.701 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.247 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

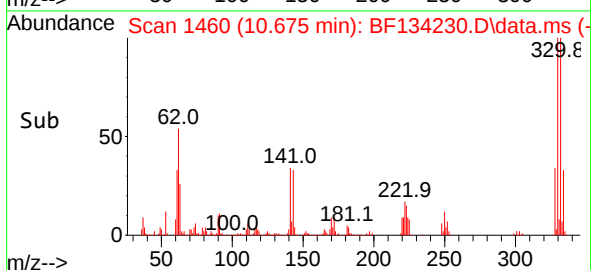
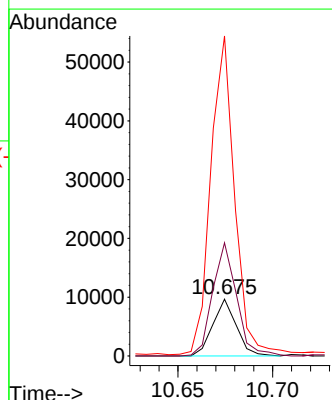
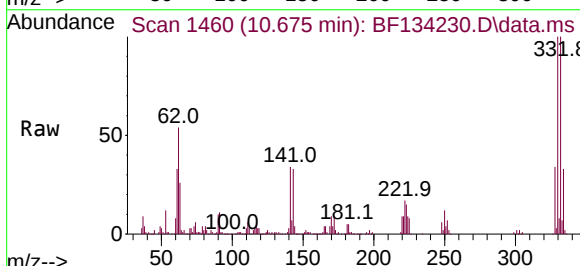
Tgt Ion:248 Resp: 8385

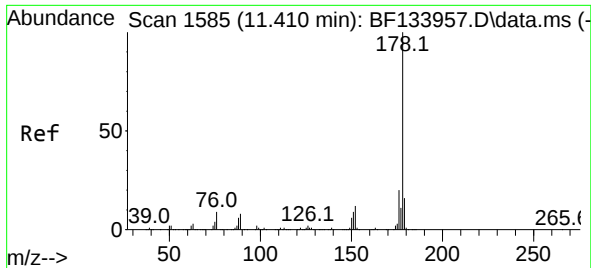
Ion Ratio Lower Upper

248 100

250 199.4 76.2 114.4#

141 563.7 59.0 88.4#

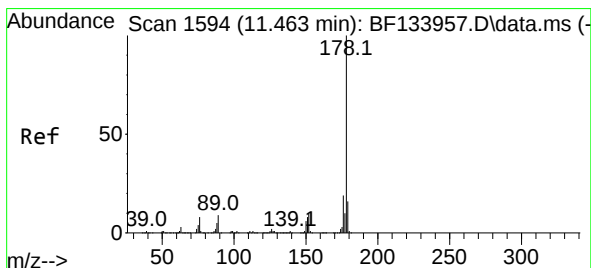
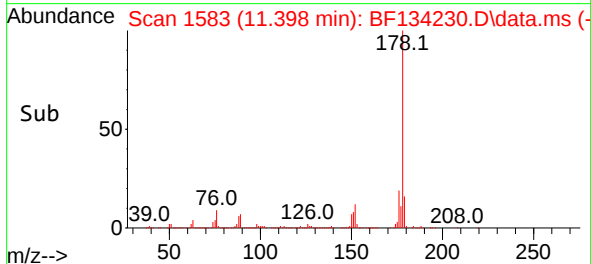
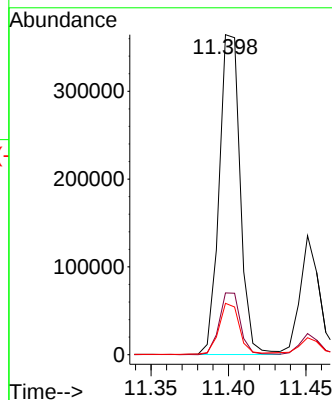
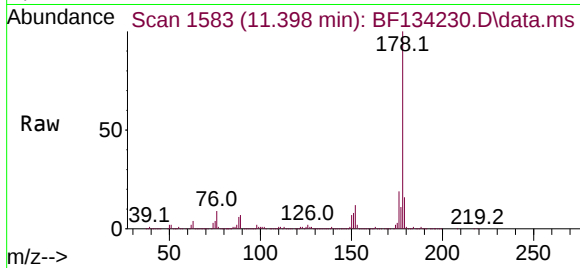




#71
Phenanthrene
Concen: 32.058 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

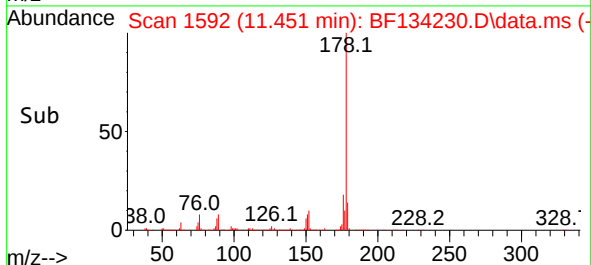
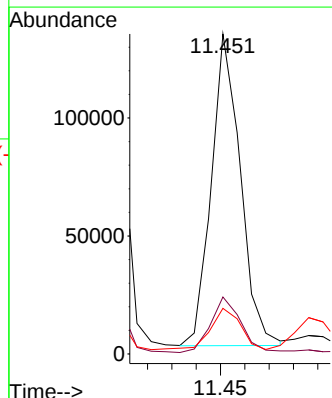
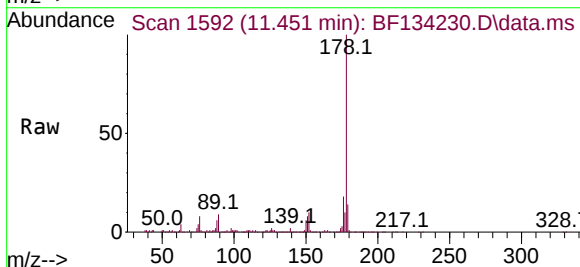
Instrument :
BNA_F
ClientSampleId :

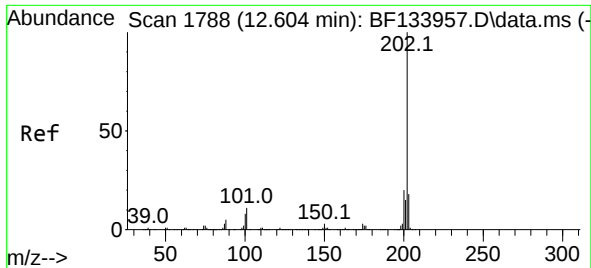
Tgt Ion:178 Resp: 344018
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 16.0 12.4 18.6



#72
Anthracene
Concen: 9.818 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:178 Resp: 109589
Ion Ratio Lower Upper
178 100
176 17.8 15.3 22.9
179 14.3 12.4 18.6

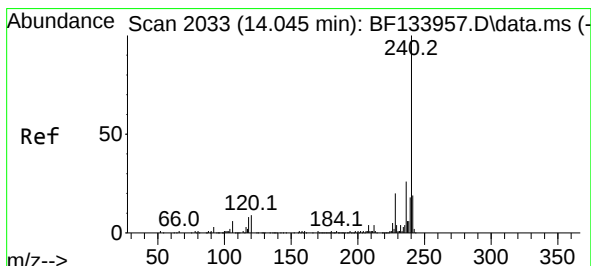
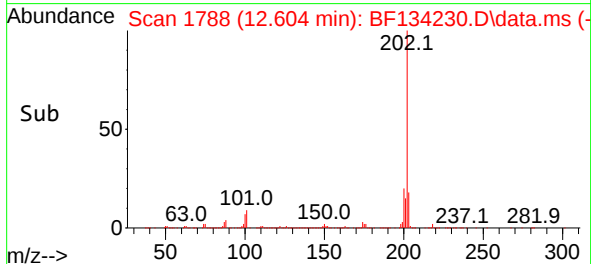
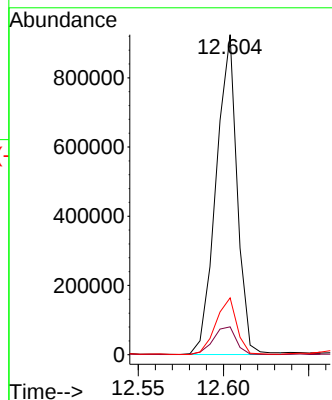
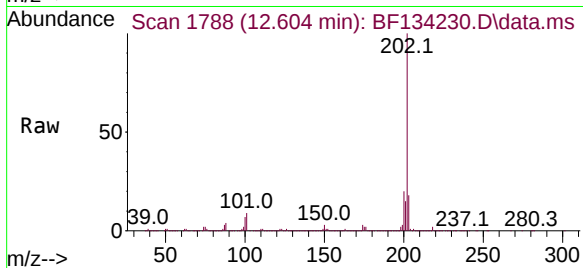




#75
Fluoranthene
Concen: 68.358 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

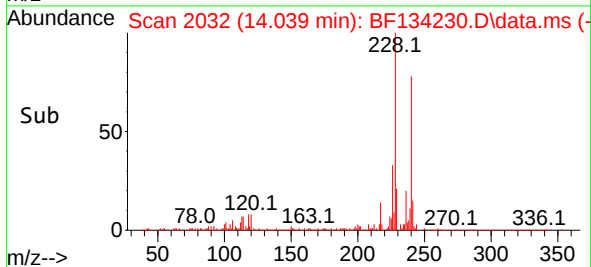
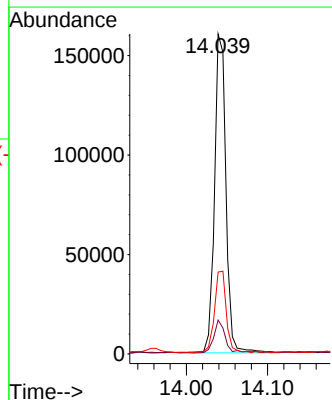
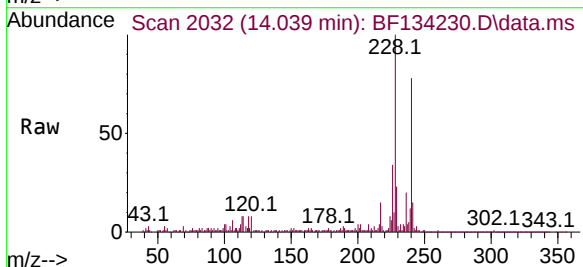
Instrument :
BNA_F
ClientSampleId :

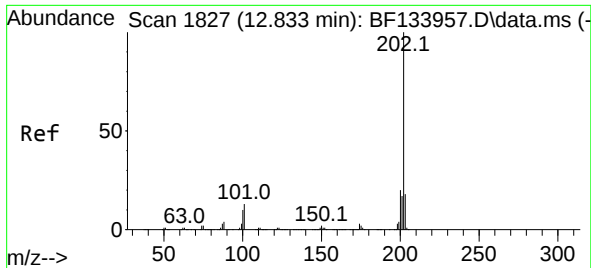
Tgt Ion:202 Resp: 793049
Ion Ratio Lower Upper
202 100
101 8.7 0.0 31.0
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:240 Resp: 156663
Ion Ratio Lower Upper
240 100
120 10.6 7.4 11.0
236 25.6 21.0 31.6

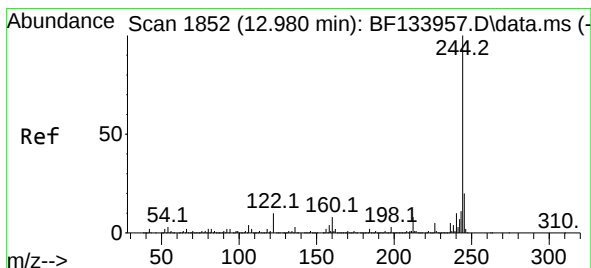
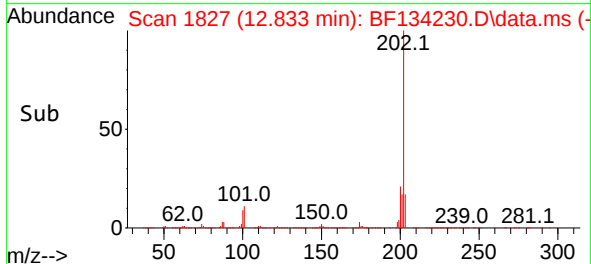
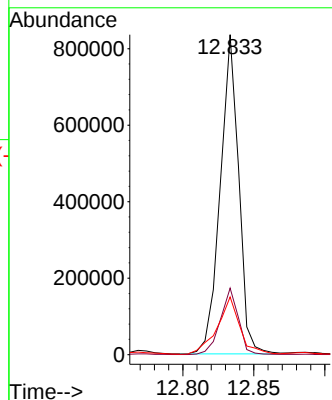
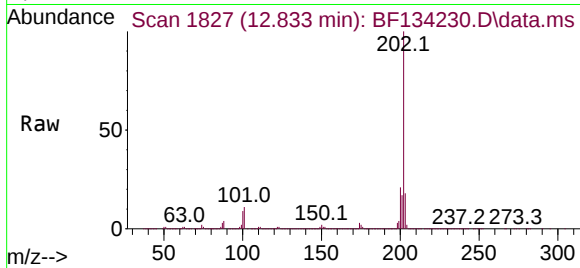




#78
Pyrene
Concen: 51.771 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

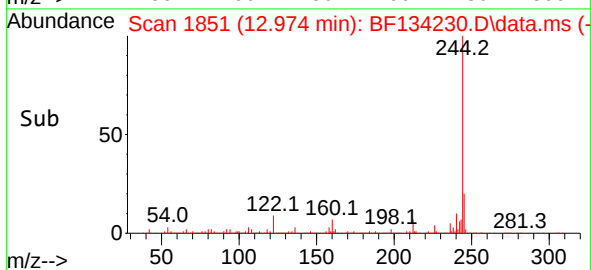
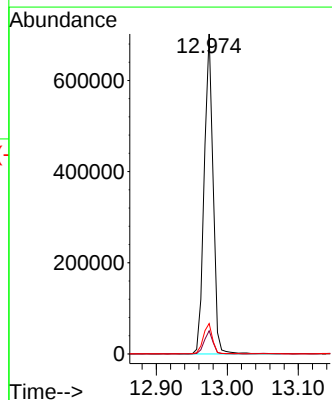
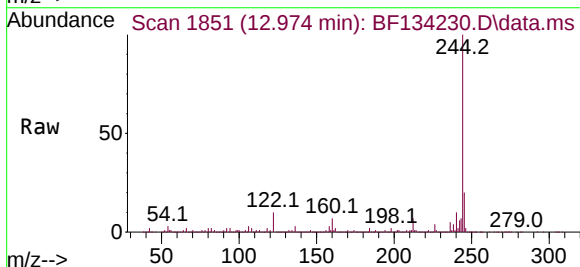
Instrument :
BNA_F
ClientSampleId :

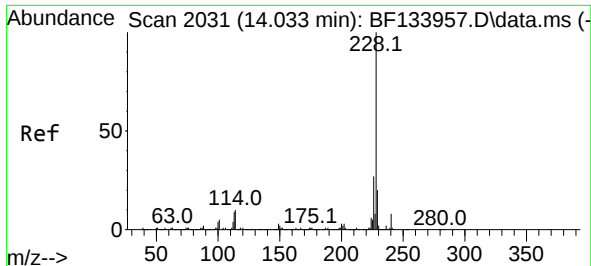
Tgt Ion:202 Resp: 754801
Ion Ratio Lower Upper
202 100
200 20.8 16.1 24.1
203 18.1 14.3 21.5



#79
Terphenyl-d14
Concen: 63.082 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:244 Resp: 614051
Ion Ratio Lower Upper
244 100
212 7.3 6.0 9.0
122 9.5 8.3 12.5

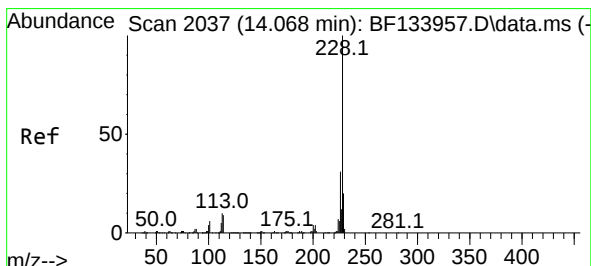
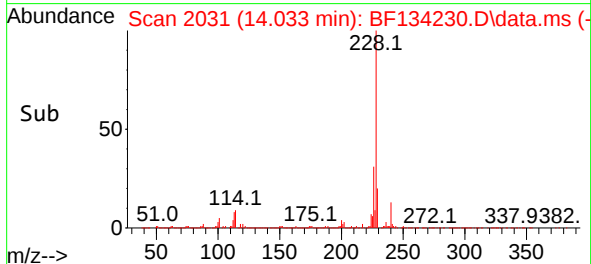
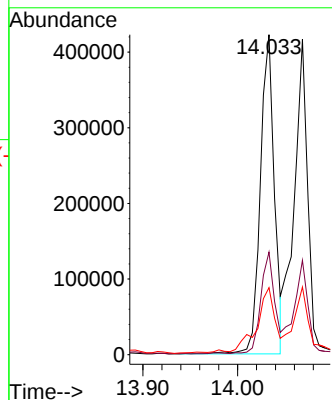
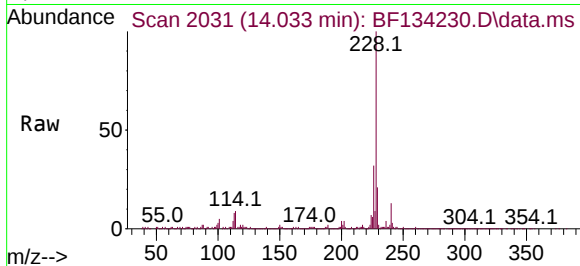




#81
Benzo(a)anthracene
Concen: 40.020 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

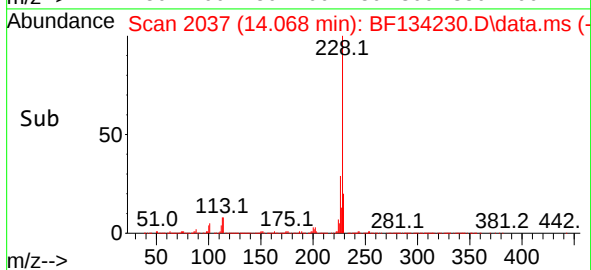
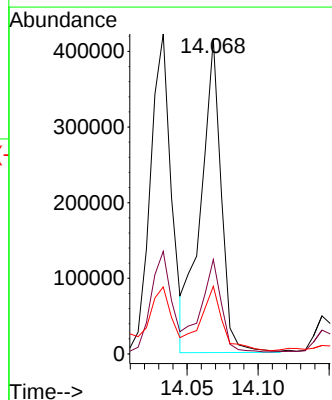
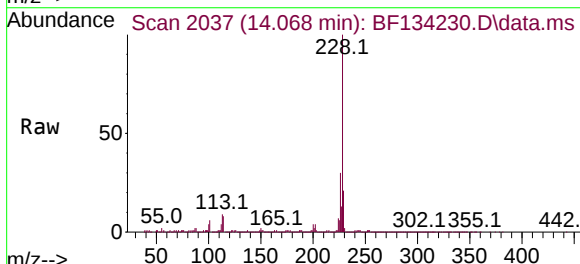
Instrument :
BNA_F
ClientSampleId :

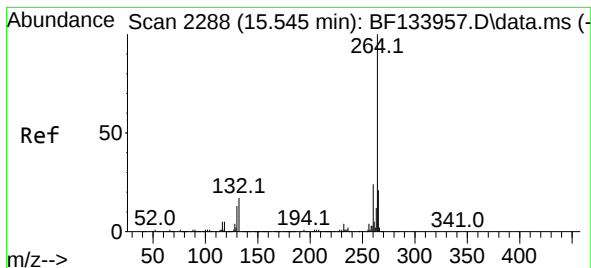
Tgt Ion:228 Resp: 434812
Ion Ratio Lower Upper
228 100
226 32.0 22.0 33.0
229 21.0 16.3 24.5



#83
Chrysene
Concen: 39.391 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:228 Resp: 414529
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.5 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

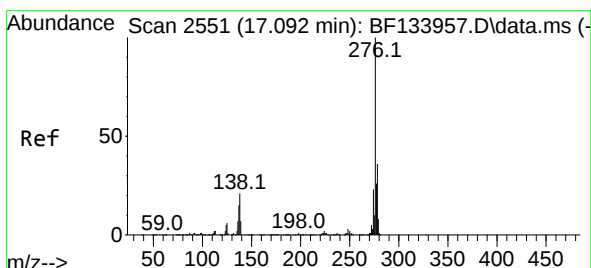
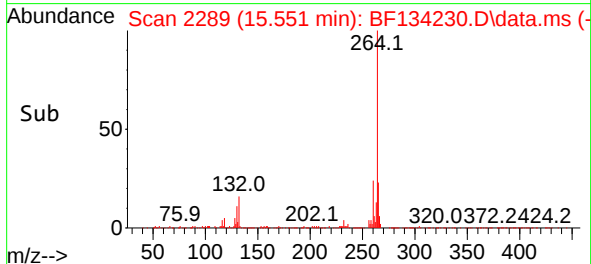
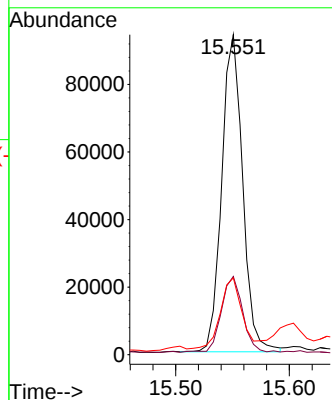
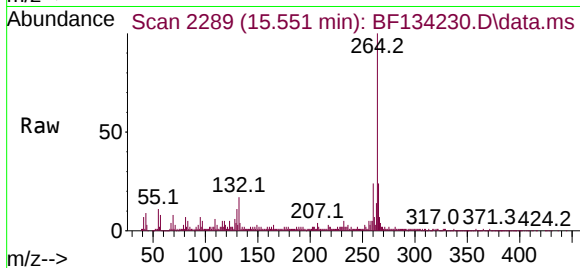
Tgt Ion:264 Resp: 120334

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 24.0 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 20.997 ng

RT: 17.098 min Scan# 2552

Delta R.T. 0.000 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

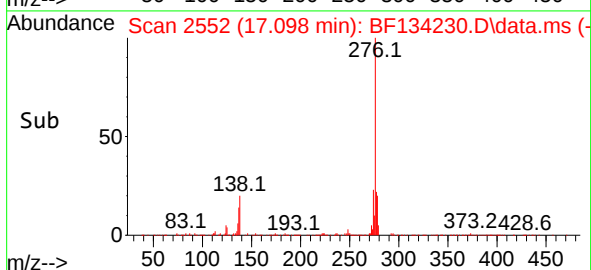
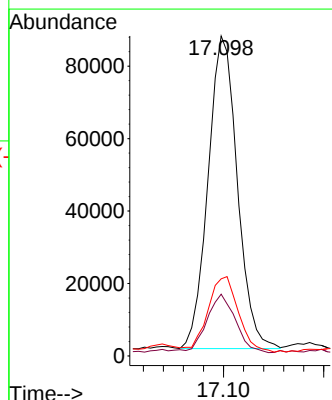
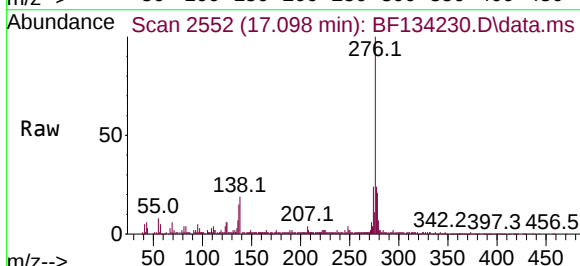
Tgt Ion:276 Resp: 175322

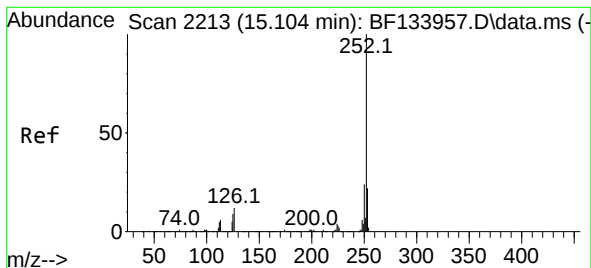
Ion Ratio Lower Upper

276 100

138 18.1 18.7 28.1#

277 25.1 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 83.219 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

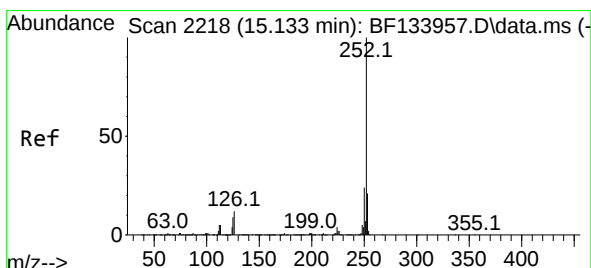
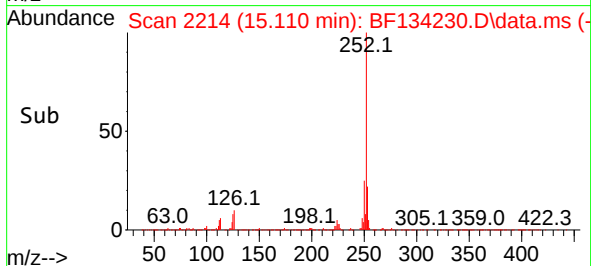
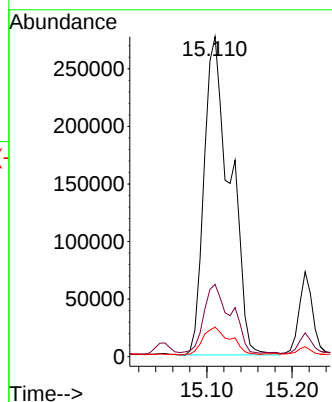
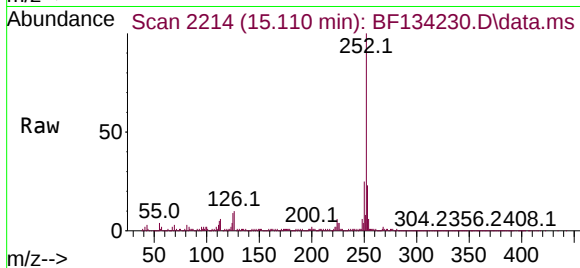
Tgt Ion:252 Resp: 588838

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 9.2 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 81.736 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.024 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

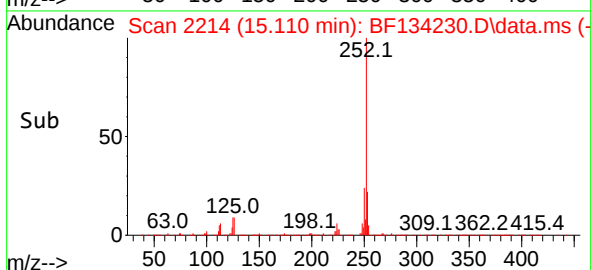
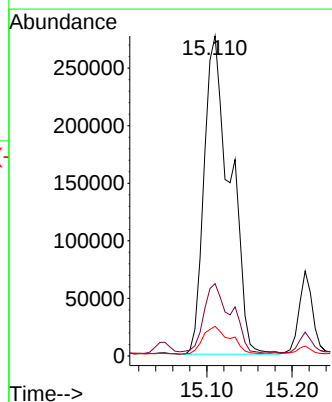
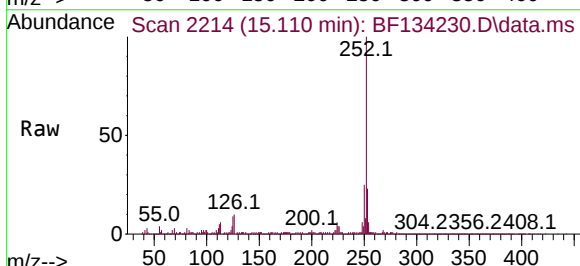
Tgt Ion:252 Resp: 588838

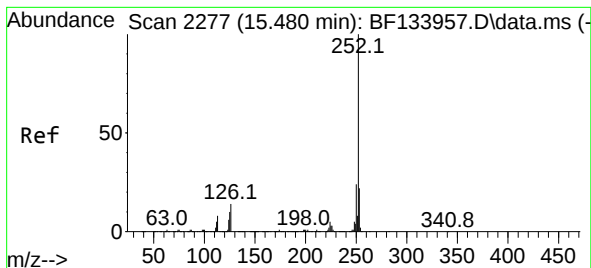
Ion Ratio Lower Upper

252 100

253 22.6 16.9 25.3

125 9.2 7.4 11.2





#90

Benzo(a)pyrene

Concen: 47.415 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

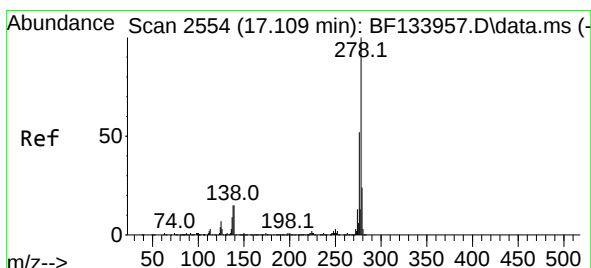
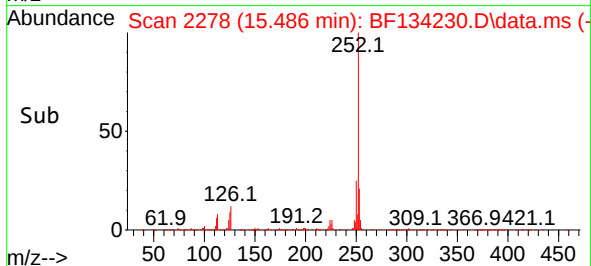
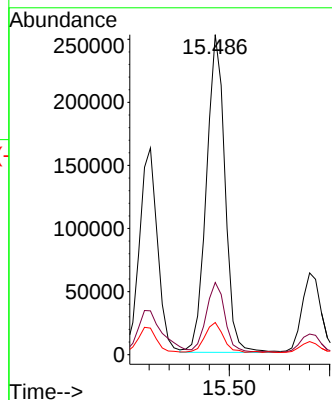
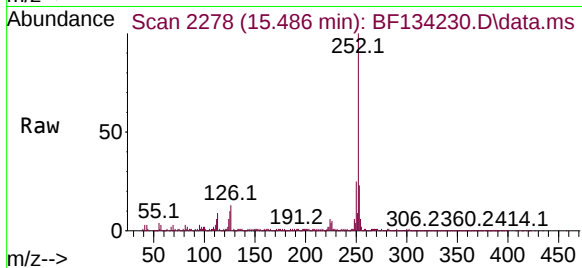
Tgt Ion:252 Resp: 324422

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.0 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 6.687 ng

RT: 17.109 min Scan# 2554

Delta R.T. -0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

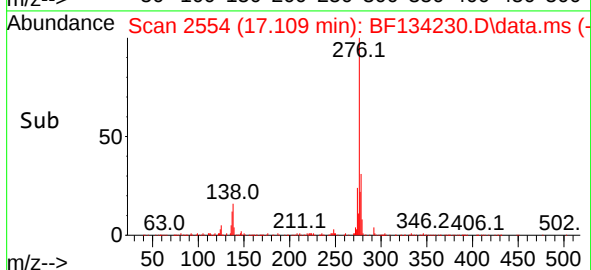
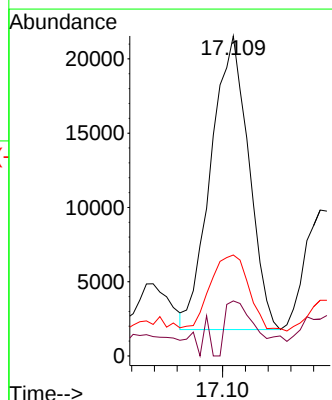
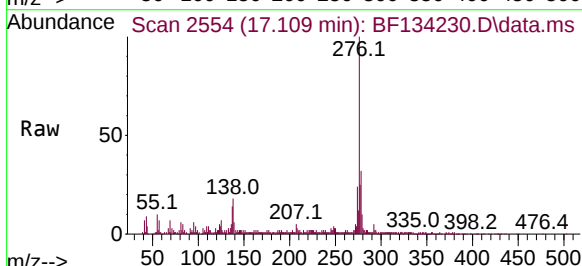
Tgt Ion:278 Resp: 45604

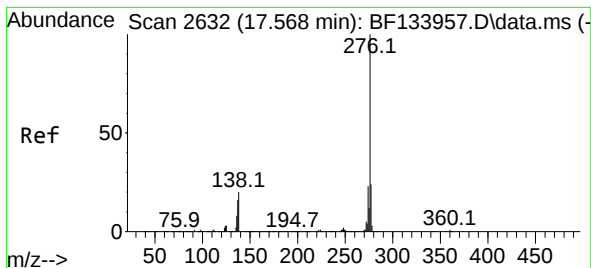
Ion Ratio Lower Upper

278 100

139 17.2 12.2 18.4

279 31.5 19.4 29.2#





#92

Benzo(g,h,i)perylene

Concen: 24.056 ng

RT: 17.574 min Scan# 20

Delta R.T. 0.006 min

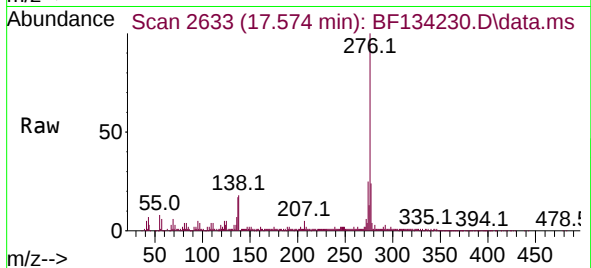
Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 169190

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.6

138 18.2 16.2 24.2

