

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
 Data File : BF134368.D
 Acq On : 19 Jul 2023 20:18
 Operator : CG\JU
 Sample : 03641-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 00:45:22 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)

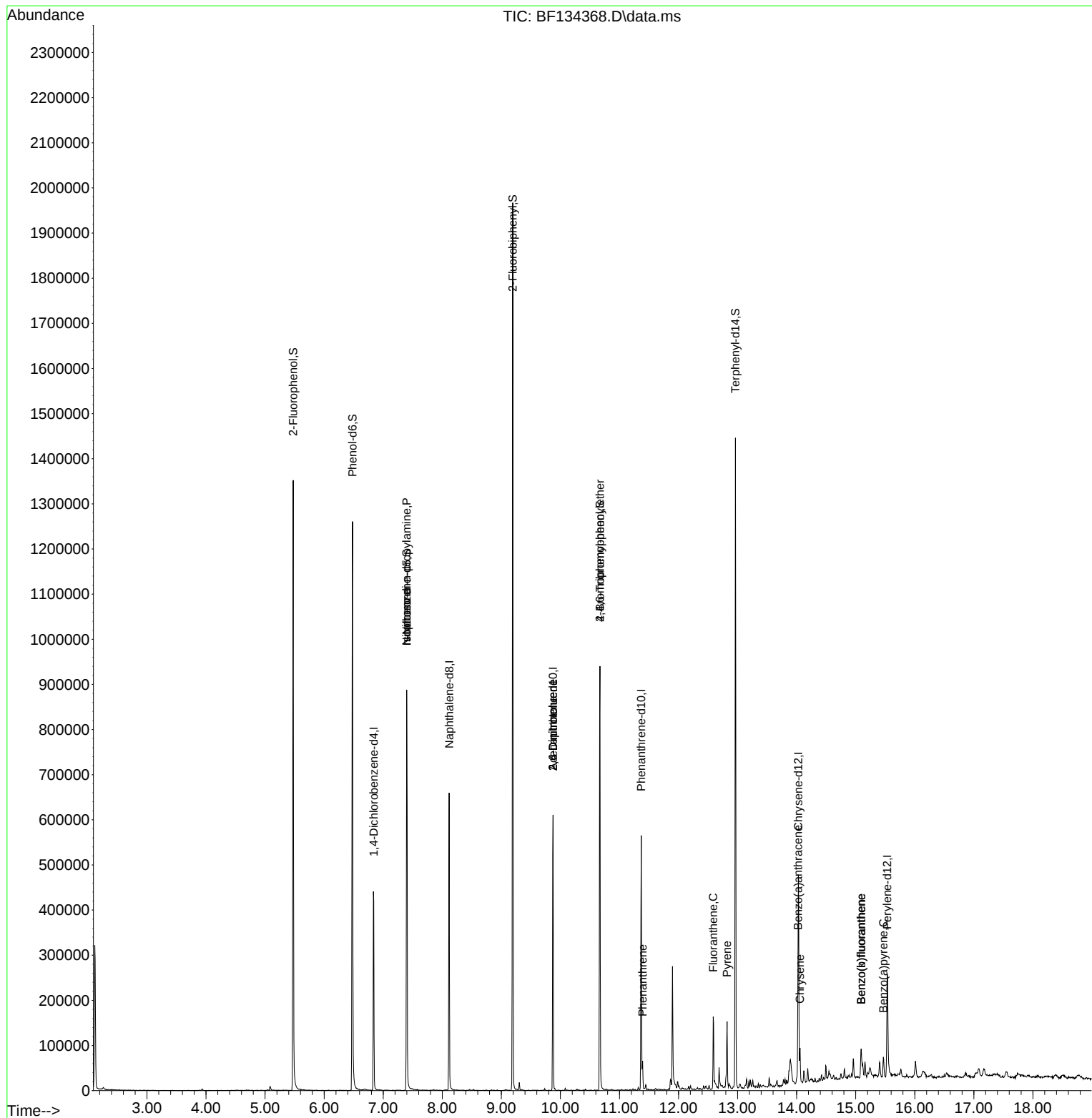
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	68427	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	252075	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	119644	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	199855	20.000	ng	0.00
76) Chrysene-d12	14.027	240	141378	20.000	ng	-0.01
86) Perylene-d12	15.533	264	115234	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	324044	79.216	ng	0.00
7) Phenol-d6	6.481	99	385211	76.572	ng	0.00
23) Nitrobenzene-d5	7.398	82	263594	56.369	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	117735	78.485	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	510438	62.028	ng	-0.01
79) Terphenyl-d14	12.963	244	468588	53.343	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	732	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	37339	11.704	ng	# 74
25) Isophorone	7.398	82	263592	31.015	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	14802	7.913	ng	# 23
57) 2,4-Dinitrotoluene	9.875	165	14802	5.992	ng	# 22
67) 4-Bromophenyl-phenylether	10.669	248	6519	3.069	ng	# 1
71) Phenanthrene	11.392	178	20363	2.024	ng	97
75) Fluoranthene	12.586	202	66003	6.068	ng	97
78) Pyrene	12.822	202	57932	4.403	ng	98
81) Benzo(a)anthracene	14.021	228	30570	3.118	ng	95
83) Chrysene	14.057	228	32024	3.372	ng	97
88) Benzo(b)fluoranthene	15.092	252	47008	6.938	ng	95
89) Benzo(k)fluoranthene	15.092	252	47008	6.814	ng	94
90) Benzo(a)pyrene	15.468	252	21962	3.352	ng	# 91

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

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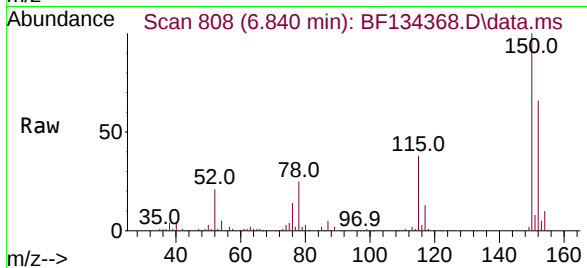
Quant Time: Jul 20 00:45:22 2023
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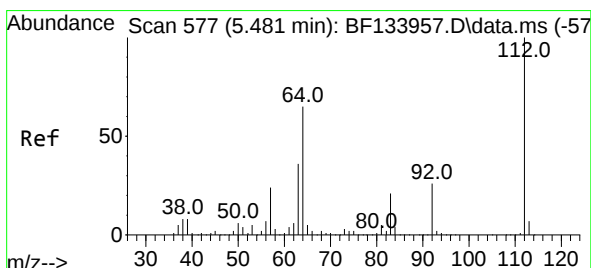
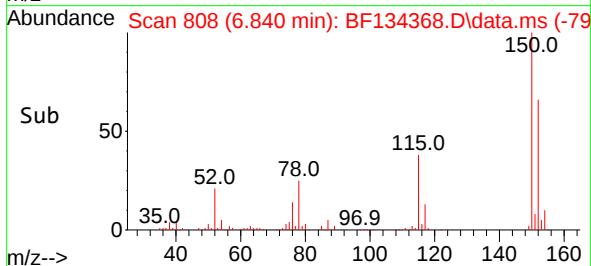
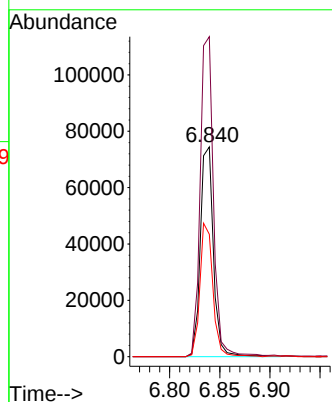


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

Instrument :
BNA_F
ClientSampleId :

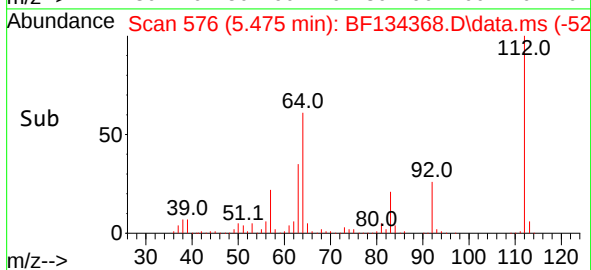
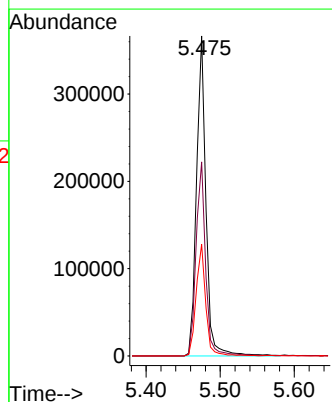
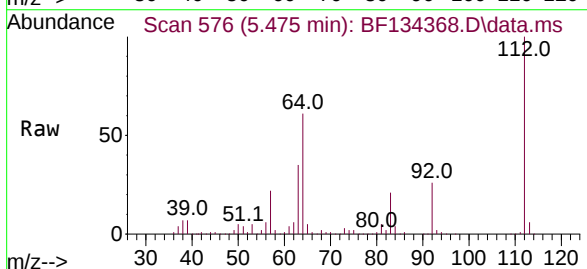


Tgt Ion:152 Resp: 68427
Ion Ratio Lower Upper
152 100
150 152.5 124.5 186.7
115 58.4 50.2 75.2



#5
2-Fluorophenol
Concen: 79.216 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

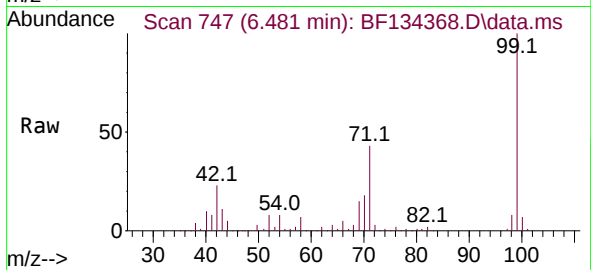
Tgt Ion:112 Resp: 324044
Ion Ratio Lower Upper
112 100
64 60.7 52.1 78.1
63 34.9 28.6 42.8



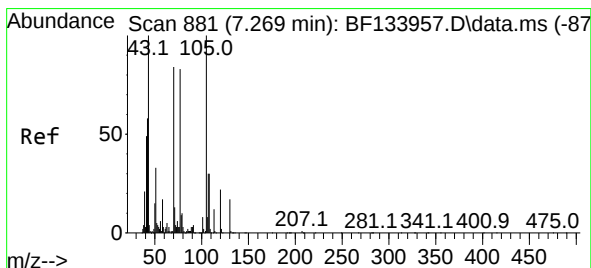
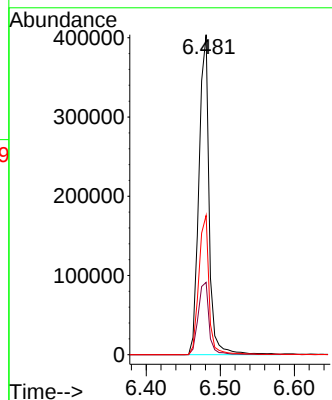
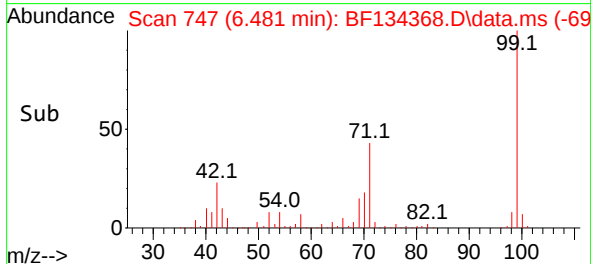


#7
Phenol-d6
Concen: 76.572 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

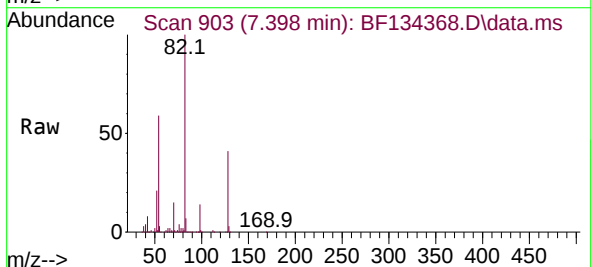
Instrument :
BNA_F
ClientSampleId :



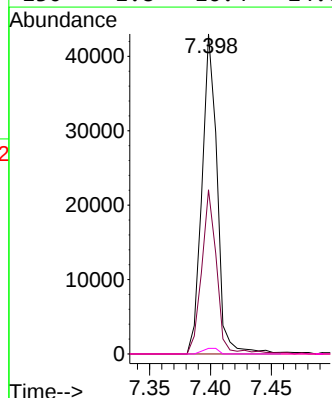
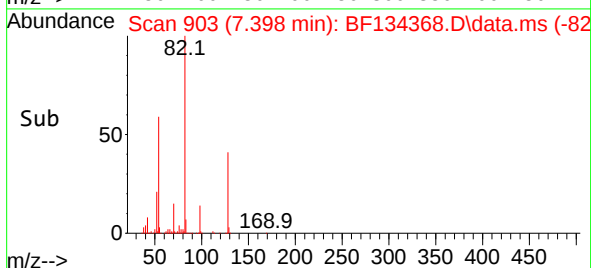
Tgt Ion: 99 Resp: 385211
Ion Ratio Lower Upper
99 100
42 22.6 19.8 29.6
71 43.5 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.704 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18



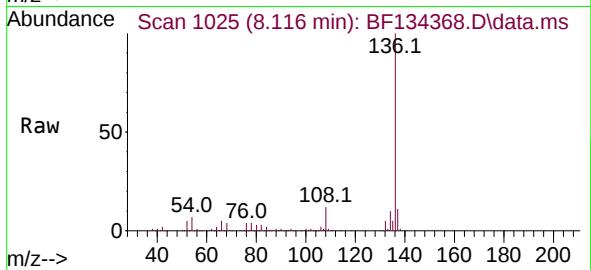
Tgt Ion: 70 Resp: 37339
Ion Ratio Lower Upper
70 100
42 51.3 54.7 82.1#
101 0.0 7.7 11.5#
130 1.8 16.4 24.6#



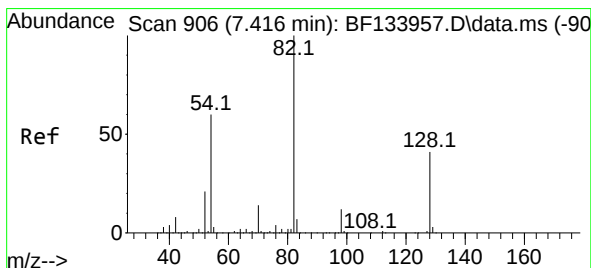
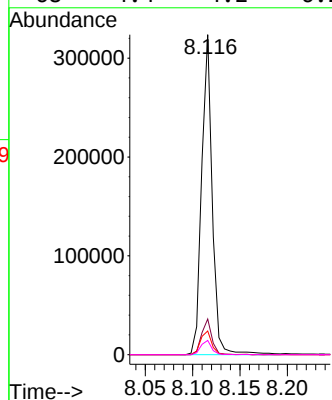
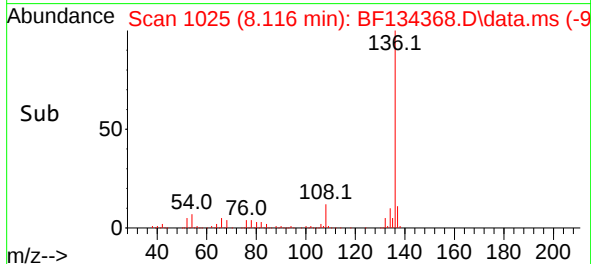


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

Instrument :
BNA_F
ClientSampleId :

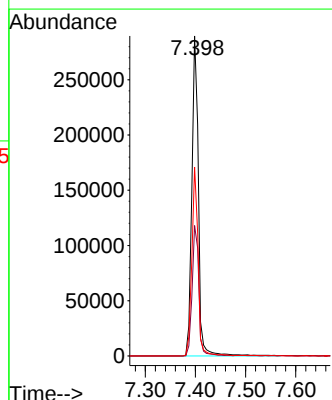
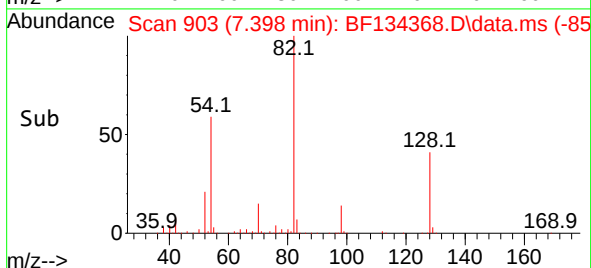
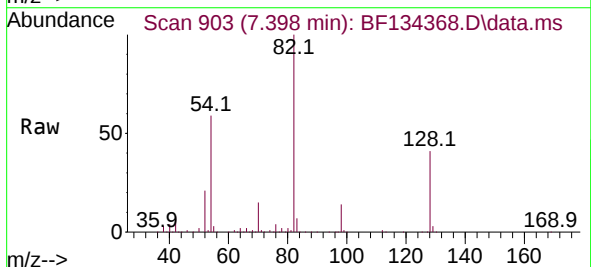


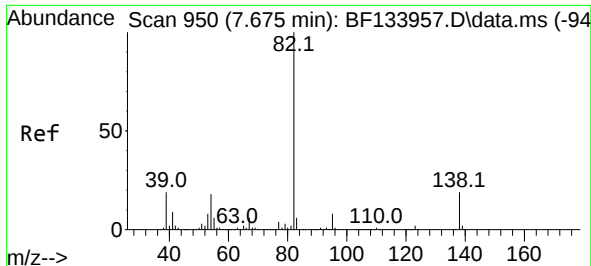
Tgt Ion:	136	Resp:	252075
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	7.4	6.5	9.7
68	4.4	4.2	6.2



#23
Nitrobenzene-d5
Concen: 56.369 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

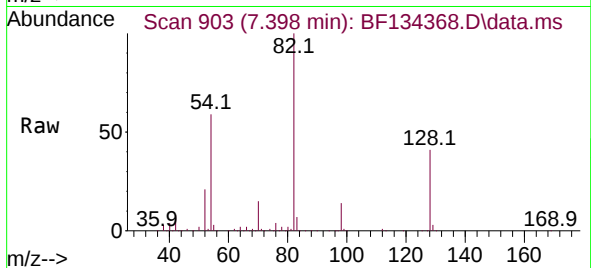
Tgt Ion:	82	Resp:	263594
Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.5	48.7
54	59.1	48.2	72.2



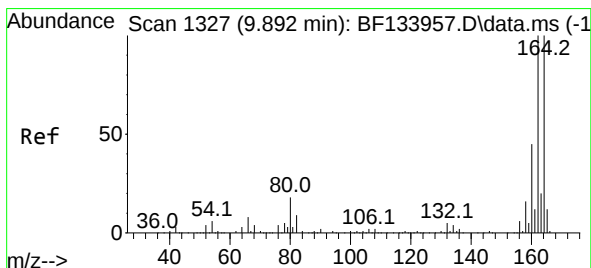
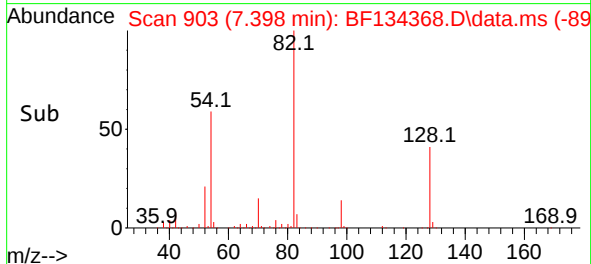
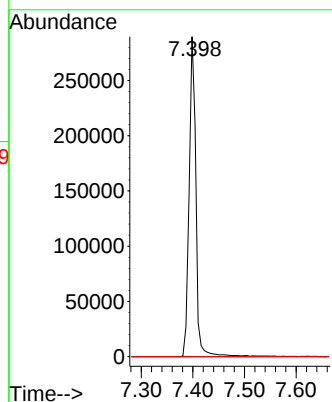


#25
Isophorone
Concen: 31.015 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

Instrument :
BNA_F
ClientSampleId :

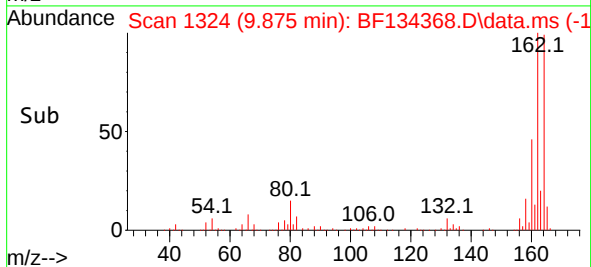
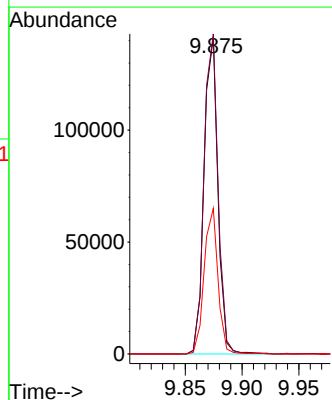
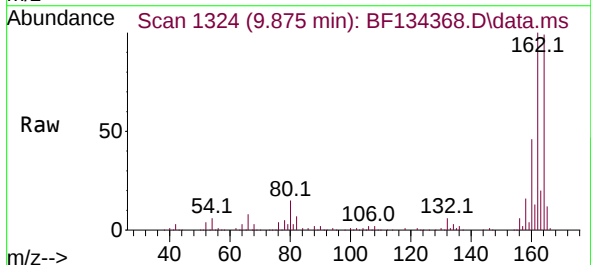


Tgt Ion: 82 Resp: 263592
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

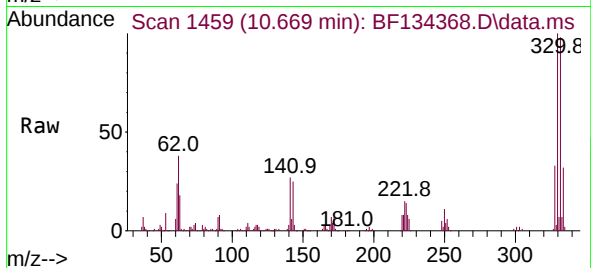
Tgt Ion:164 Resp: 119644
Ion Ratio Lower Upper
164 100
162 101.1 80.0 120.0
160 46.0 35.9 53.9



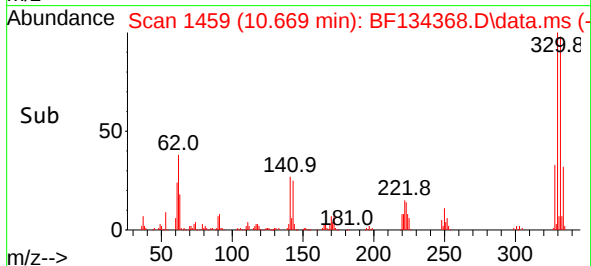
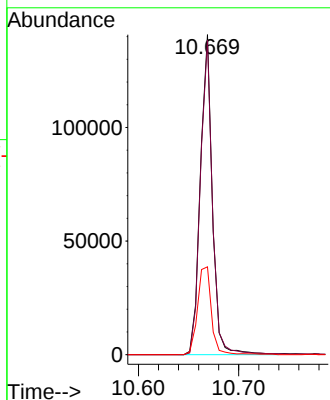


#42
2,4,6-Tribromophenol
Concen: 78.485 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

Instrument :
BNA_F
ClientSampleId :

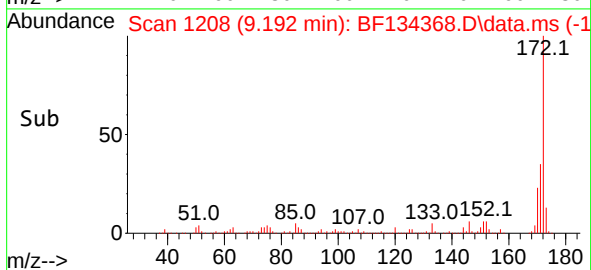
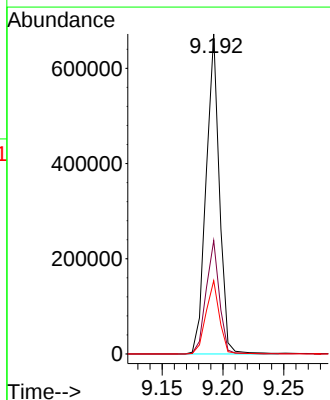
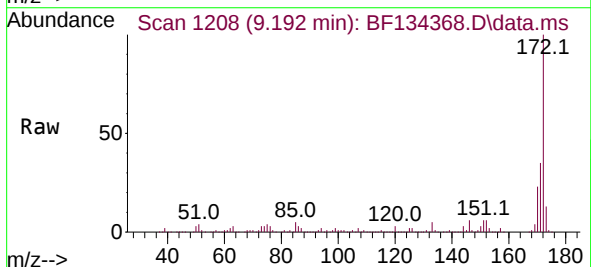


Tgt Ion:330 Resp: 117735
Ion Ratio Lower Upper
330 100
332 98.8 77.0 115.6
141 31.8 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 62.028 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

Tgt Ion:172 Resp: 510438
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 22.9 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 7.913 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

Instrument :

BNA_F

ClientSampleId :

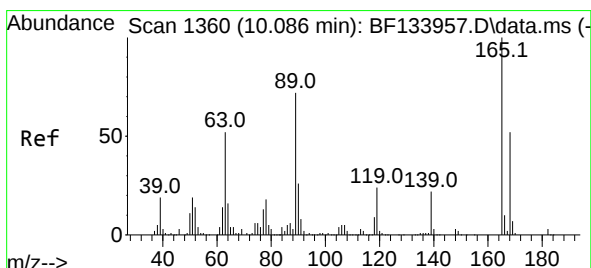
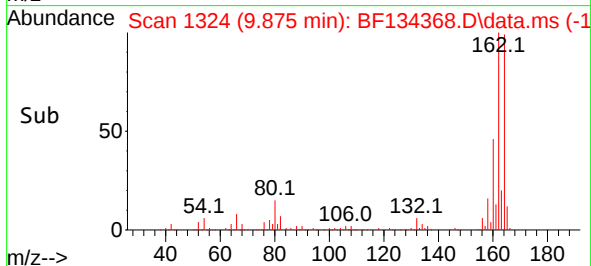
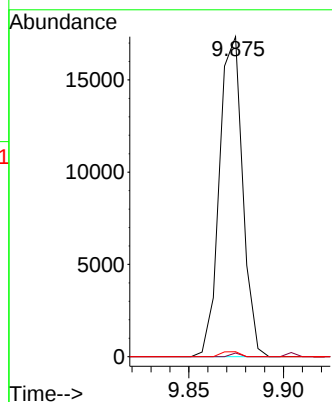
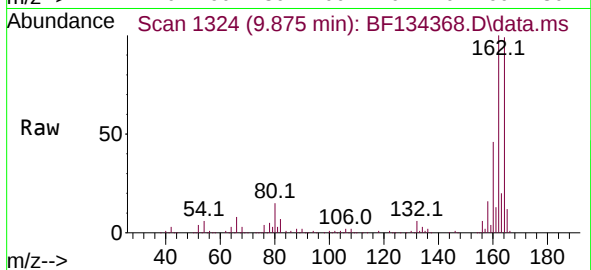
Tgt Ion:165 Resp: 14802

Ion Ratio Lower Upper

165 100

63 1.1 48.5 72.7#

89 1.5 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 5.992 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

Tgt Ion:165 Resp: 14802

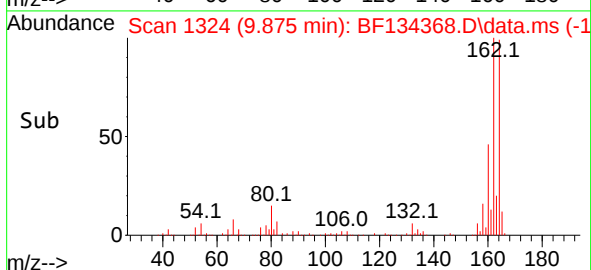
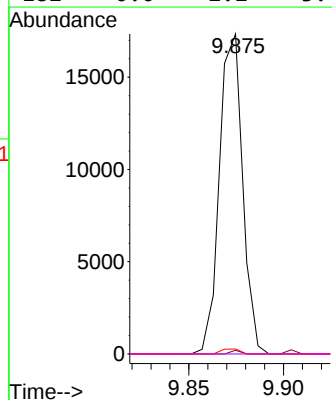
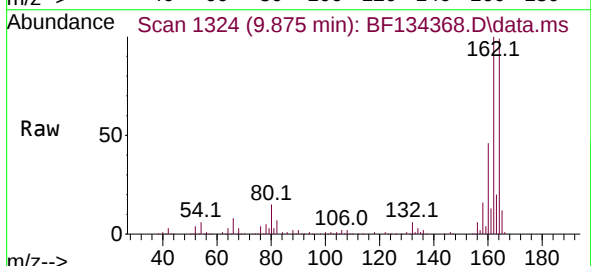
Ion Ratio Lower Upper

165 100

63 1.1 42.2 63.2#

89 1.5 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

Instrument :

BNA_F

ClientSampleId :

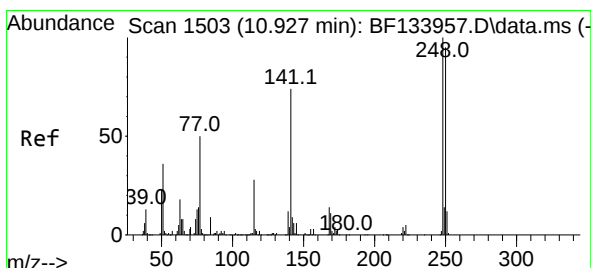
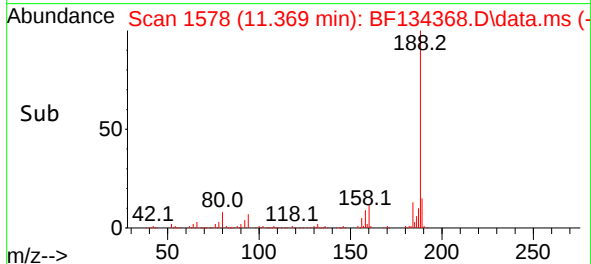
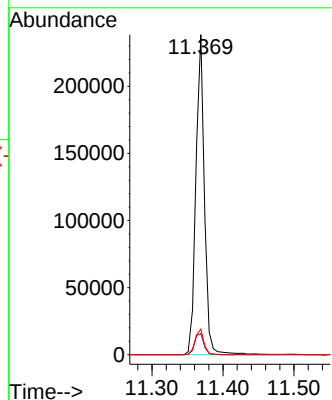
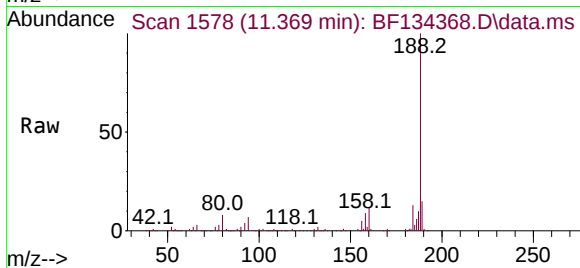
Tgt Ion:188 Resp: 199855

Ion Ratio Lower Upper

188 100

94 6.6 6.4 9.6

80 8.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.069 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

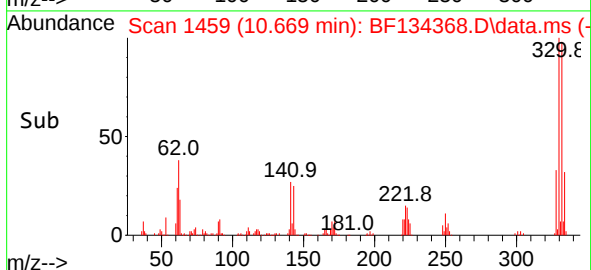
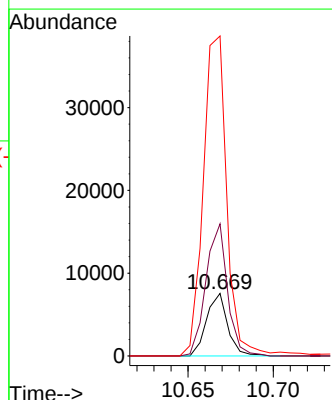
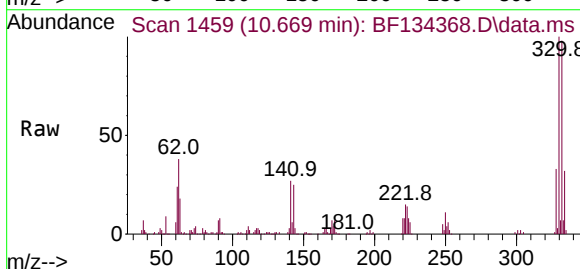
Tgt Ion:248 Resp: 6519

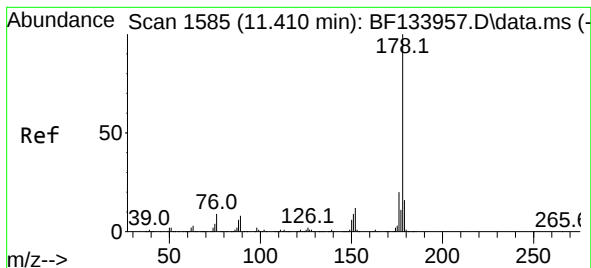
Ion Ratio Lower Upper

248 100

250 211.4 76.2 114.4#

141 511.7 59.0 88.4#





#71

Phenanthrene

Concen: 2.024 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

Instrument :

BNA_F

ClientSampleId :

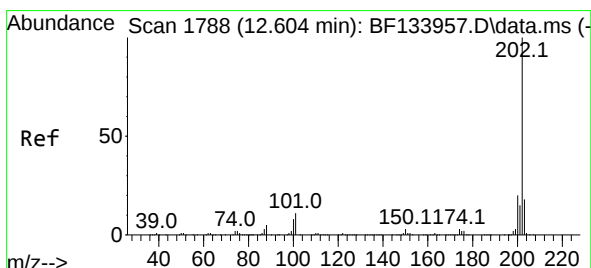
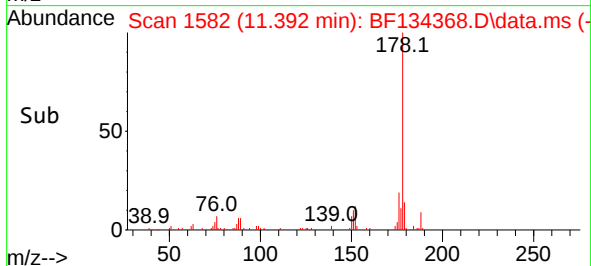
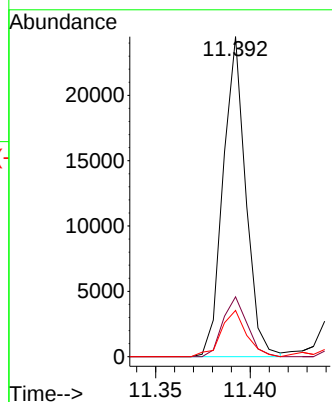
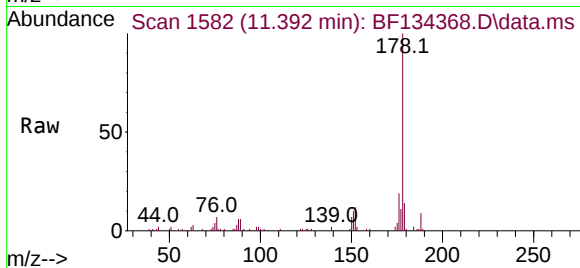
Tgt Ion:178 Resp: 20363

Ion Ratio Lower Upper

178 100

176 18.7 16.0 24.0

179 14.5 12.4 18.6



#75

Fluoranthene

Concen: 6.068 ng

RT: 12.586 min Scan# 1785

Delta R.T. -0.012 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

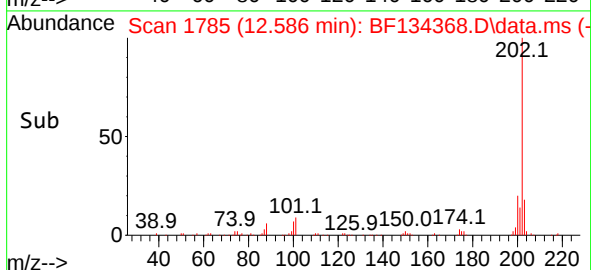
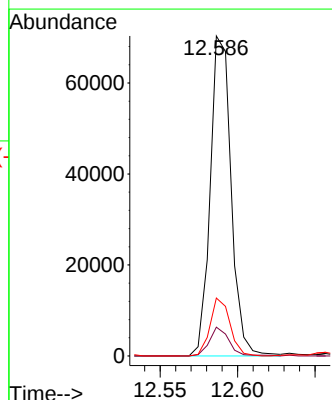
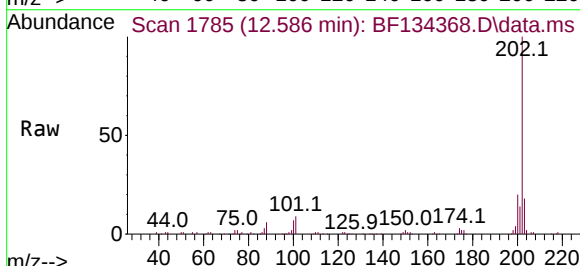
Tgt Ion:202 Resp: 66003

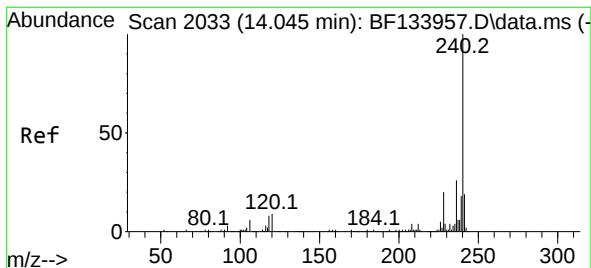
Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.0

203 18.1 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: BF134368.D

Acq: 19 Jul 2023 20:18

Instrument :

BNA_F

ClientSampleId :

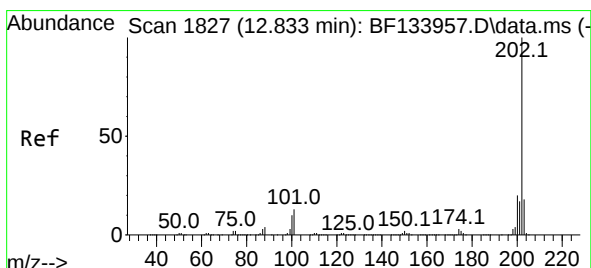
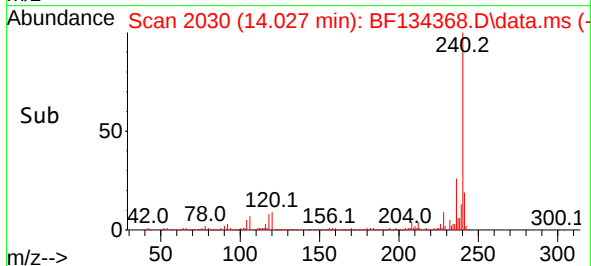
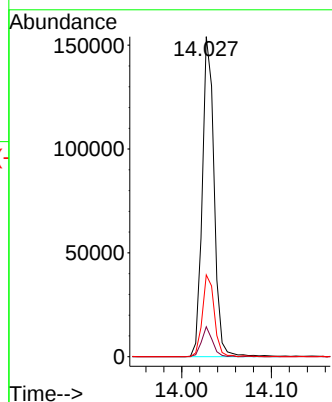
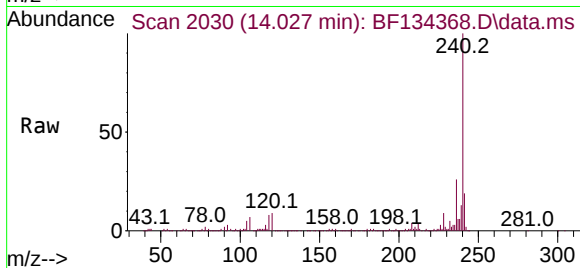
Tgt Ion:240 Resp: 141378

Ion Ratio Lower Upper

240 100

120 9.4 7.4 11.0

236 25.5 21.0 31.6



#78

Pyrene

Concen: 4.403 ng

RT: 12.822 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

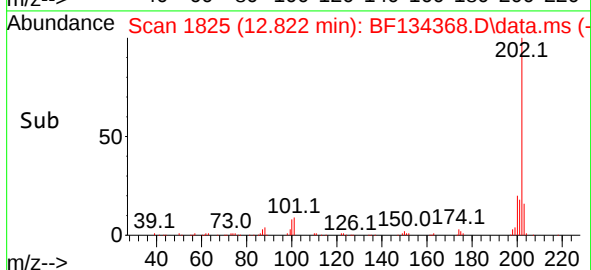
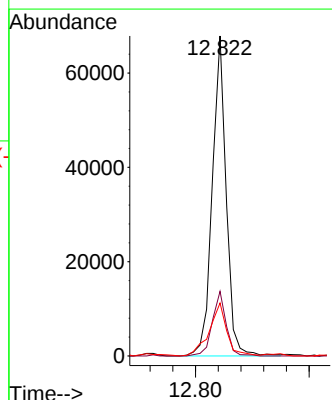
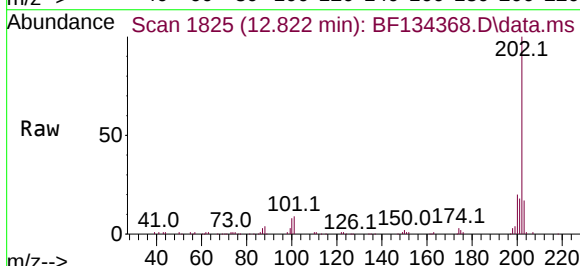
Tgt Ion:202 Resp: 57932

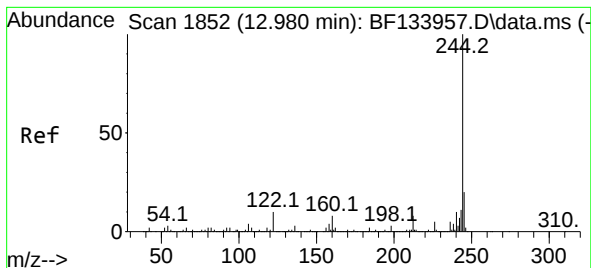
Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

203 16.5 14.3 21.5





#79

Terphenyl-d14

Concen: 53.343 ng

RT: 12.963 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

Instrument :

BNA_F

ClientSampleId :

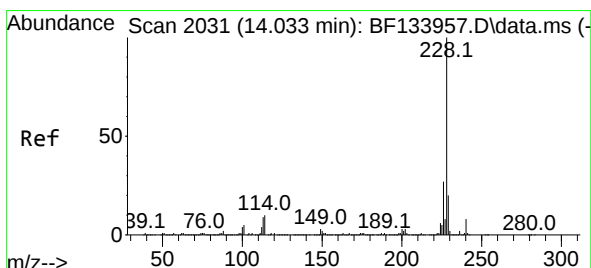
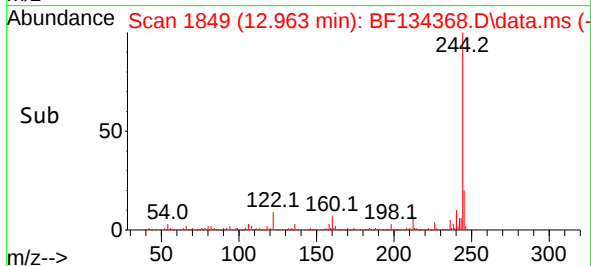
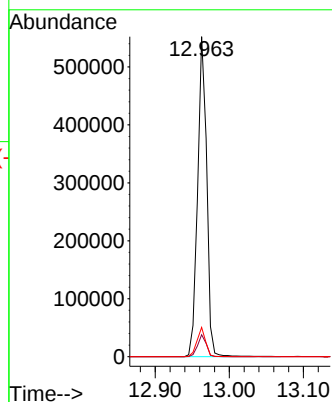
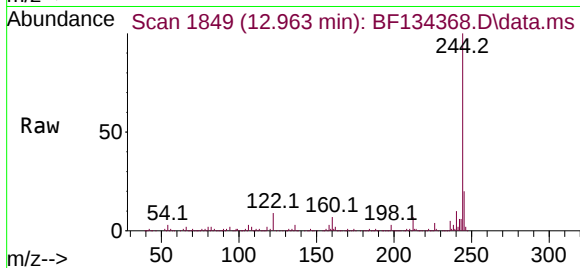
Tgt Ion:244 Resp: 468588

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 9.2 8.3 12.5



#81

Benzo(a)anthracene

Concen: 3.118 ng

RT: 14.021 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

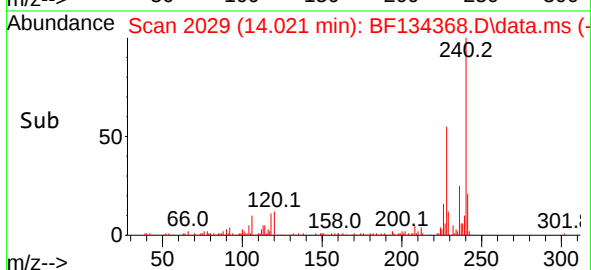
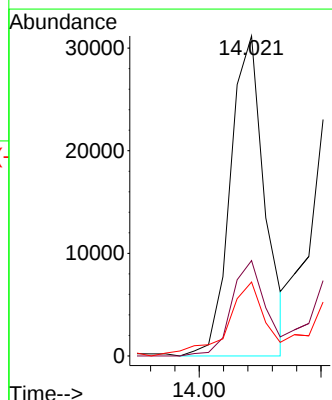
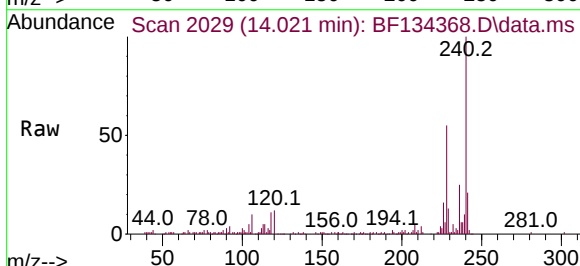
Tgt Ion:228 Resp: 30570

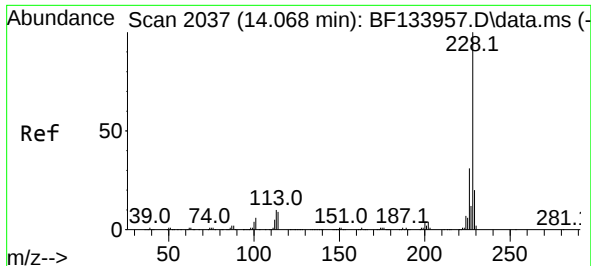
Ion Ratio Lower Upper

228 100

226 29.8 22.0 33.0

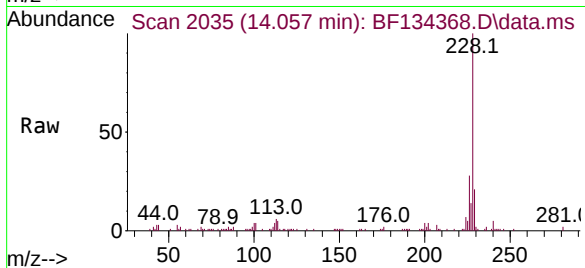
229 23.1 16.3 24.5



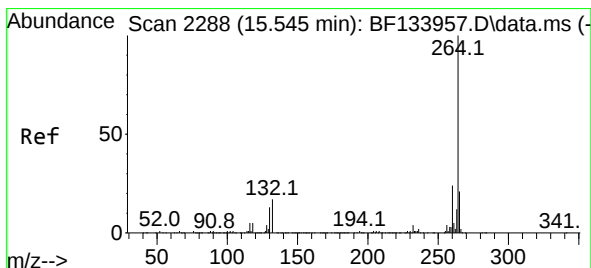
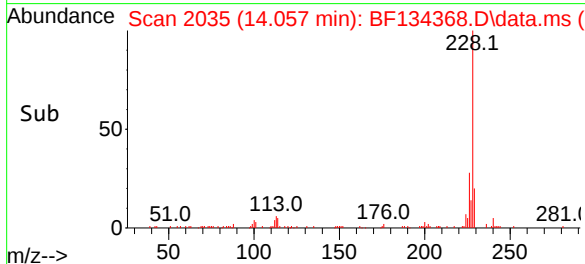
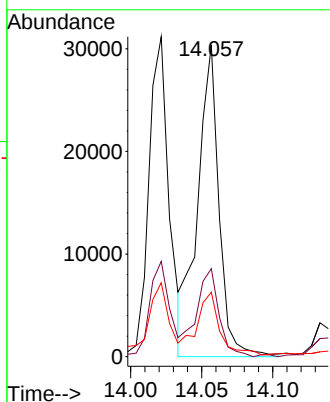


#83
Chrysene
Concen: 3.372 ng
RT: 14.057 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

Instrument :
BNA_F
ClientSampleId :

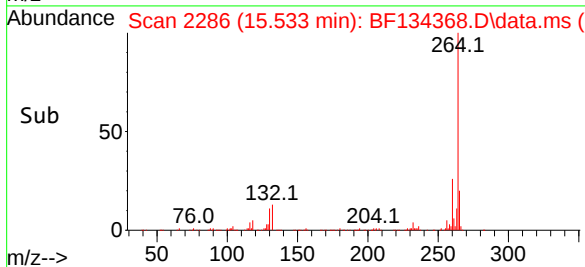
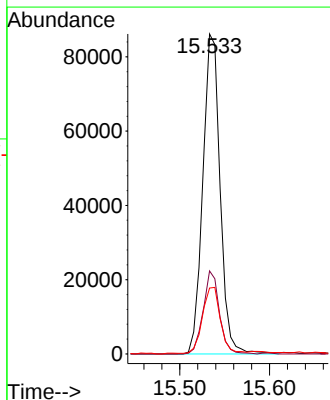
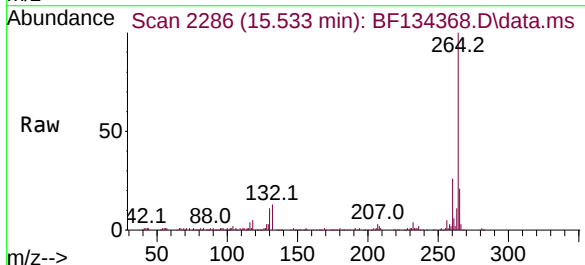


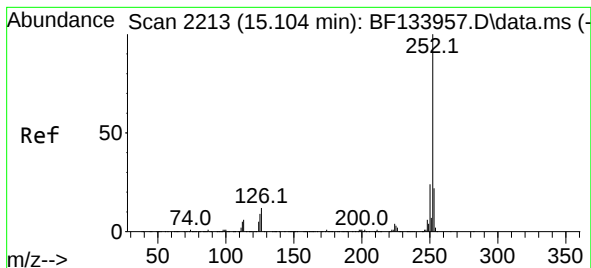
Tgt Ion:228 Resp: 32024
Ion Ratio Lower Upper
228 100
226 28.2 24.4 36.6
229 20.7 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.012 min
Lab File: BF134368.D
Acq: 19 Jul 2023 20:18

Tgt Ion:264 Resp: 115234
Ion Ratio Lower Upper
264 100
260 26.0 19.5 29.3
265 20.6 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 6.938 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

Instrument :

BNA_F

ClientSampleId :

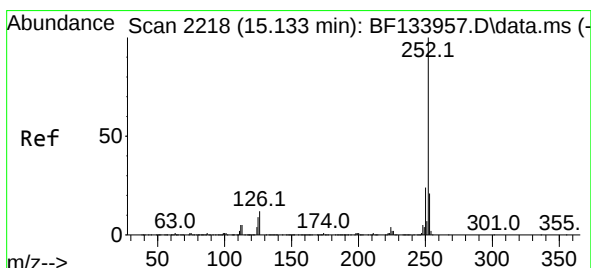
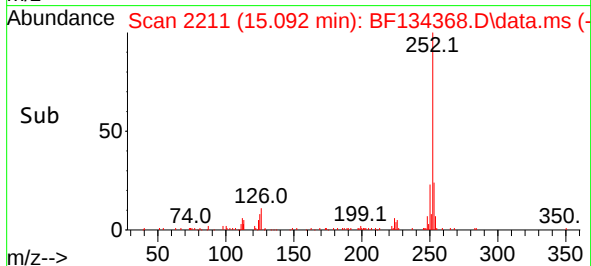
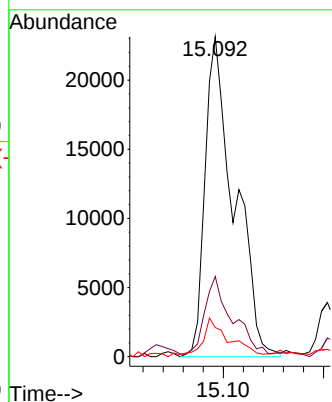
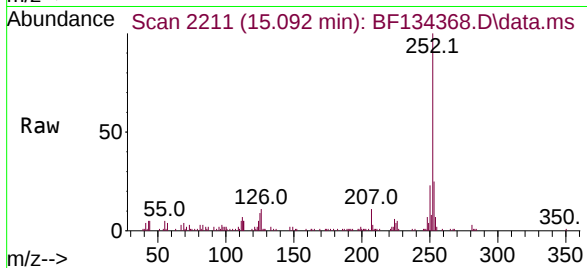
Tgt Ion:252 Resp: 47008

Ion Ratio Lower Upper

252 100

253 25.1 17.4 26.0

125 9.1 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 6.814 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.041 min

Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

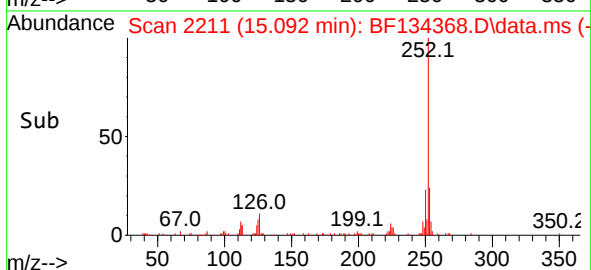
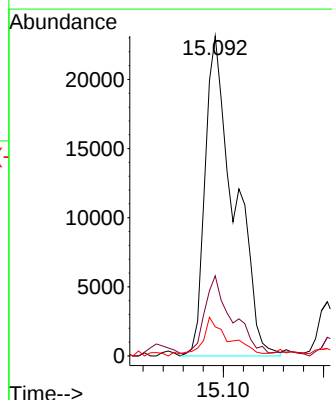
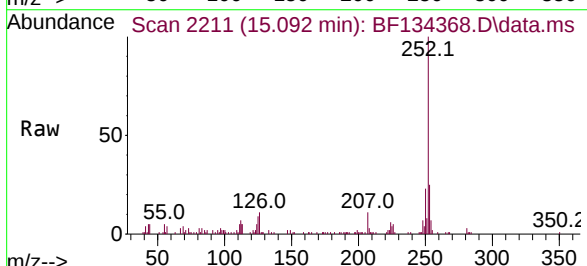
Tgt Ion:252 Resp: 47008

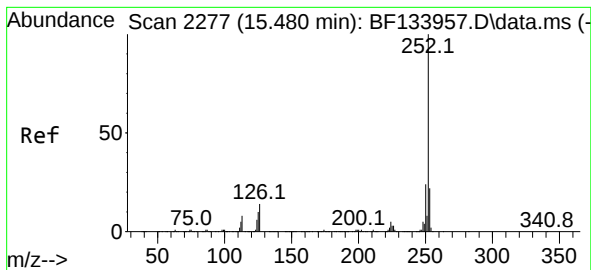
Ion Ratio Lower Upper

252 100

253 25.1 16.9 25.3

125 9.1 7.4 11.2





#90

Benzo(a)pyrene

Concen: 3.352 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

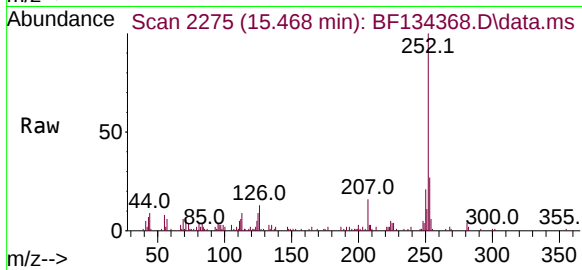
Lab File: BF134368.D

Acq: 19 Jul 2023 20:18

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 21962

Ion Ratio Lower Upper

252 100

253 27.3 17.4 26.0#

125 9.3 8.4 12.6

