

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071023\
 Data File : BF134186.D
 Acq On : 10 Jul 2023 15:03
 Operator : CG\JU
 Sample : 03507-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 10 15:57:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

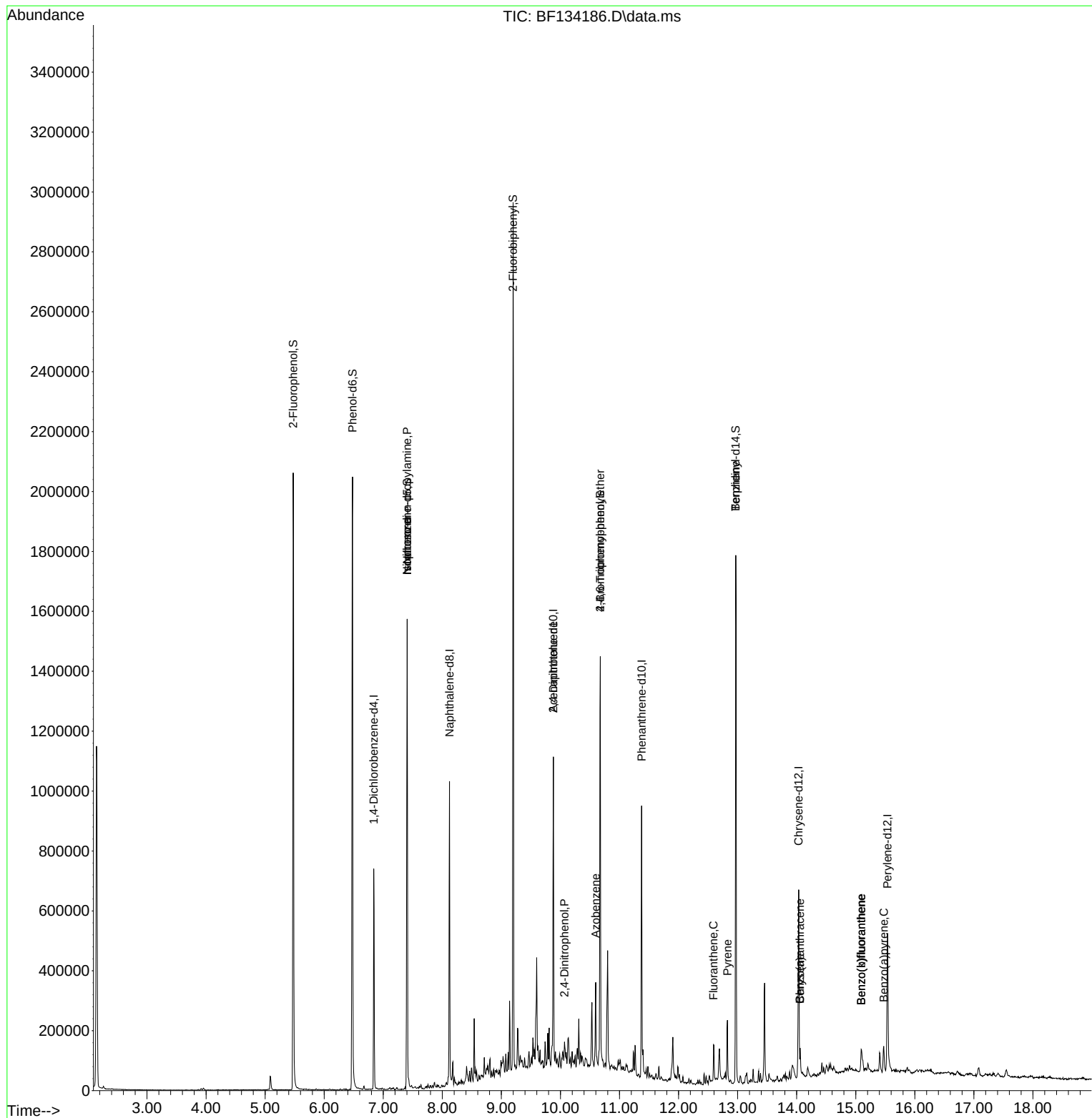
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	105043	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	393155	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	189315	20.000	ng	-0.01
64) Phenanthrene-d10	11.374	188	312094	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	189037	20.000	ng	-0.02
86) Perylene-d12	15.539	264	230011	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	560689	89.288	ng	-0.01
7) Phenol-d6	6.481	99	679338	87.967	ng	-0.01
23) Nitrobenzene-d5	7.404	82	457519	62.730	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	170375	71.778	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	837671	64.331	ng	-0.01
79) Terphenyl-d14	12.969	244	628560	53.514	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.369	77	54	Below Cal	#	17
19) n-Nitroso-di-n-propyla...	7.404	70	63767	13.020	ng	# 76
25) Isophorone	7.404	82	457513	34.516	ng	# 64
54) 2,4-Dinitrophenol	10.069	184	63	3.899	ng	# 1
57) 2,4-Dinitrotoluene	9.880	165	26284	6.724	ng	# 22
63) Azobenzene	10.598	77	47514	3.508	ng	# 1
67) 4-Bromophenyl-phenylether	10.675	248	10241	3.087	ng	# 1
75) Fluoranthene	12.592	202	49088	2.890	ng	100
77) Benzidine	12.969	184	9040	2.010	ng	# 93
78) Pyrene	12.827	202	87553	4.977	ng	98
81) Benzo(a)anthracene	14.057	228	38458	2.933	ng	96
83) Chrysene	14.057	228	38458	3.029	ng	95
88) Benzo(b)fluoranthene	15.092	252	57084	4.221	ng	97
89) Benzo(k)fluoranthene	15.092	252	57084	4.145	ng	97
90) Benzo(a)pyrene	15.474	252	38664	2.956	ng	98

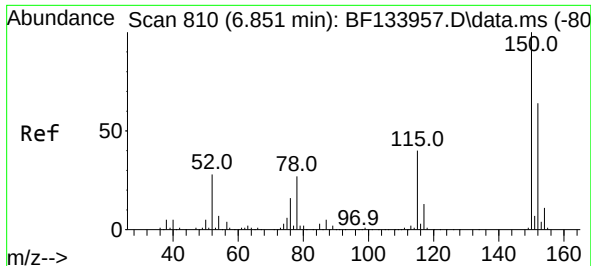
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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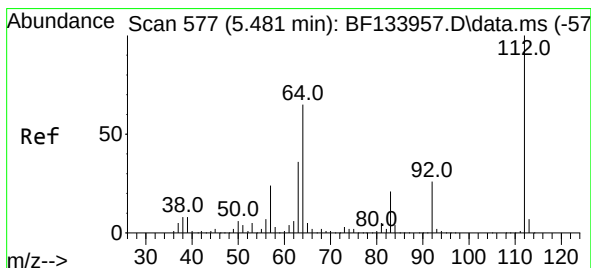
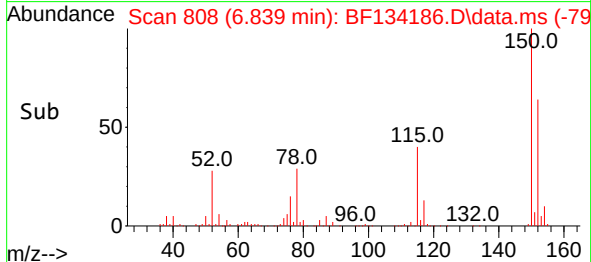
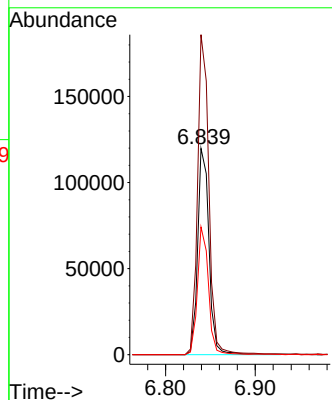
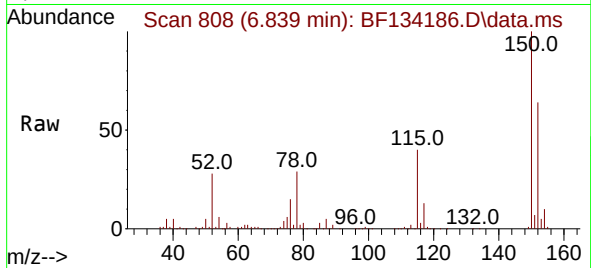




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

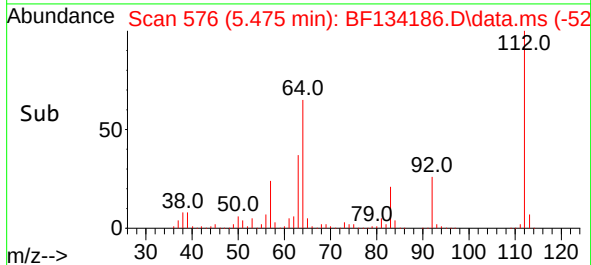
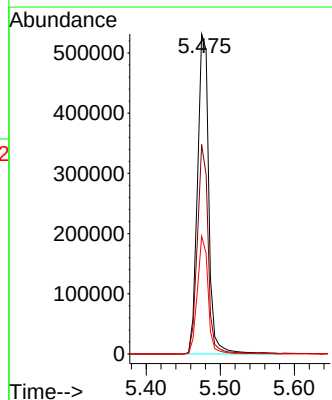
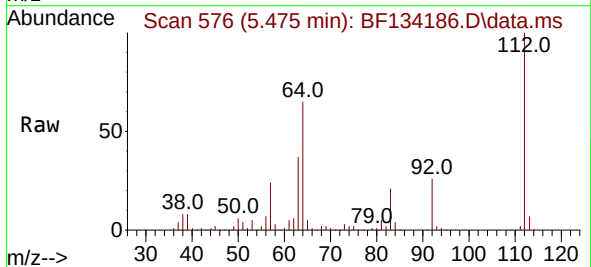
Instrument :
BNA_F
ClientSampleId :

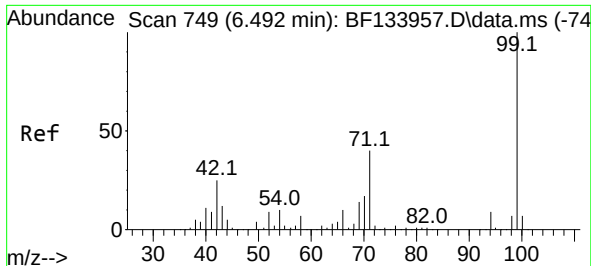
Tgt Ion:152 Resp: 105043
Ion Ratio Lower Upper
152 100
150 155.2 124.5 186.7
115 61.9 50.2 75.2



#5
2-Fluorophenol
Concen: 89.288 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:112 Resp: 560689
Ion Ratio Lower Upper
112 100
64 65.4 52.1 78.1
63 36.8 28.6 42.8





#7

Phenol-d6

Concen: 87.967 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.012 min

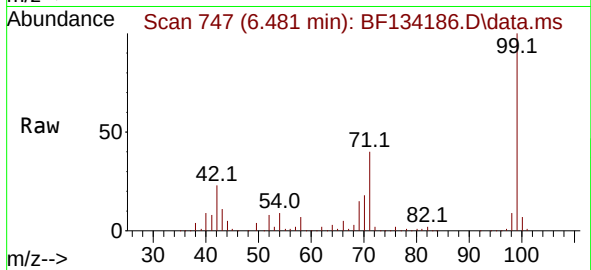
Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

Instrument :

BNA_F

ClientSampleId :



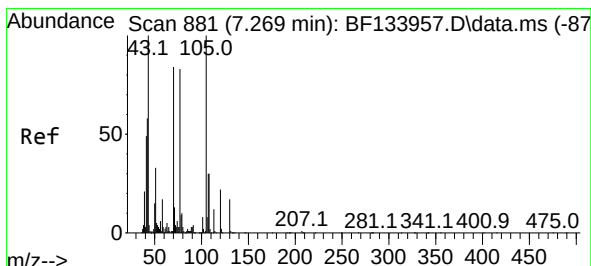
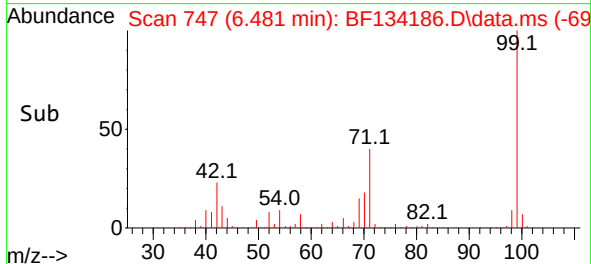
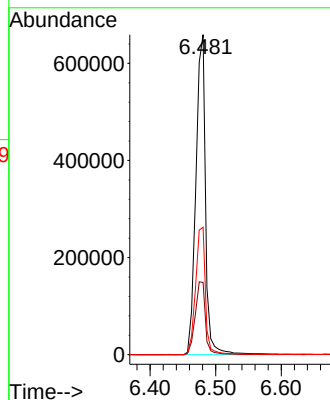
Tgt Ion: 99 Resp: 679338

Ion Ratio Lower Upper

99 100

42 22.6 19.8 29.6

71 39.9 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 13.020 ng

RT: 7.404 min Scan# 904

Delta R.T. 0.135 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

Tgt Ion: 70 Resp: 63767

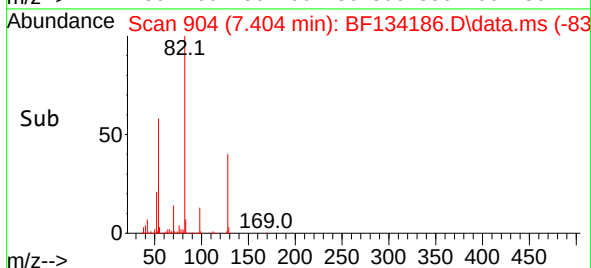
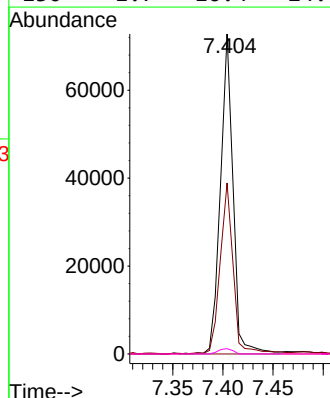
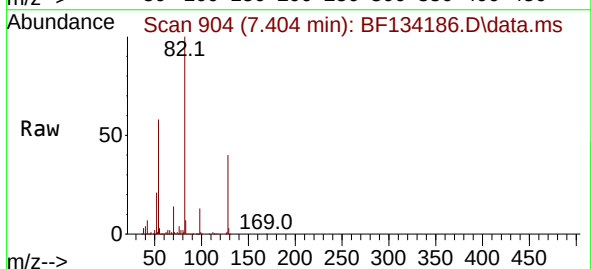
Ion Ratio Lower Upper

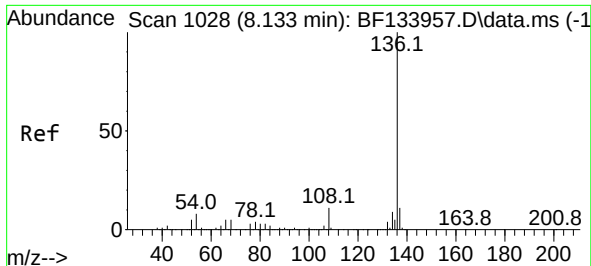
70 100

42 53.4 54.7 82.1#

101 0.0 7.7 11.5#

130 1.7 16.4 24.6#



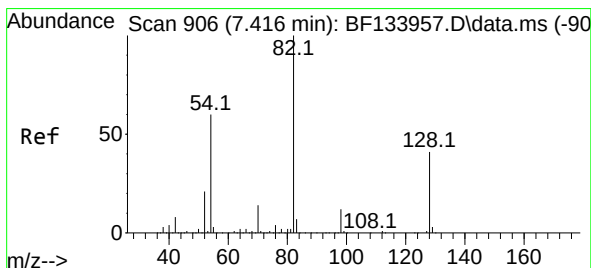
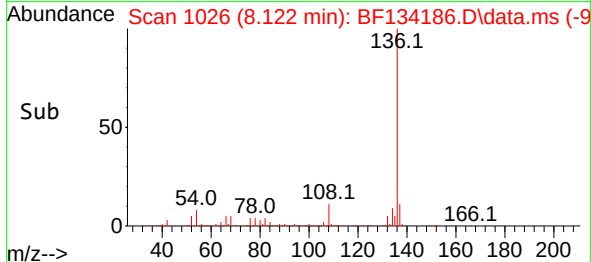
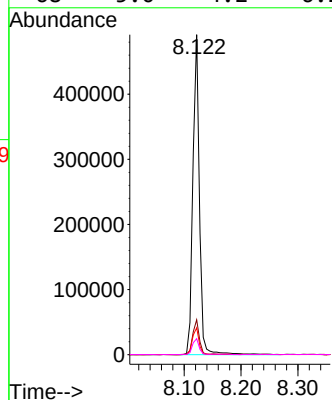
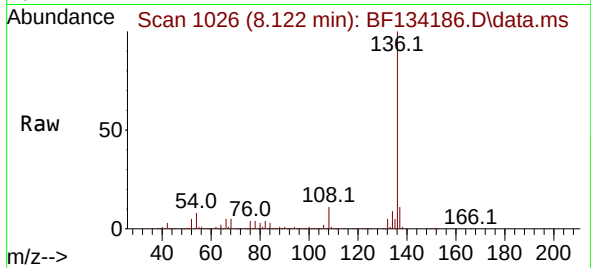


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 393155

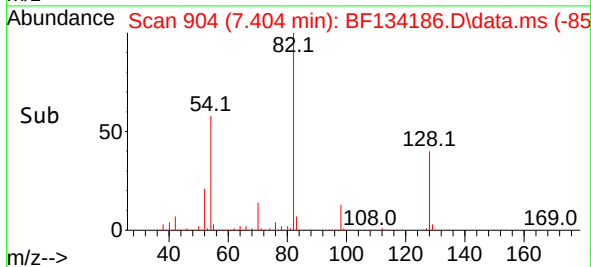
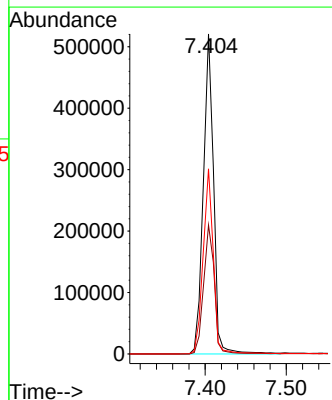
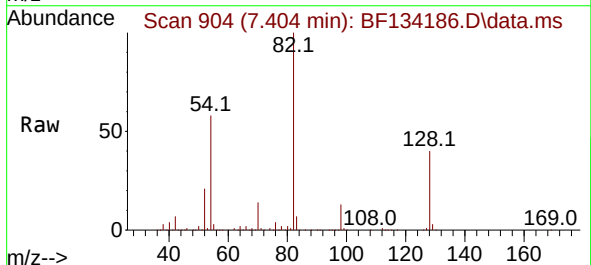
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	8.4	6.5	9.7
68	5.0	4.2	6.2

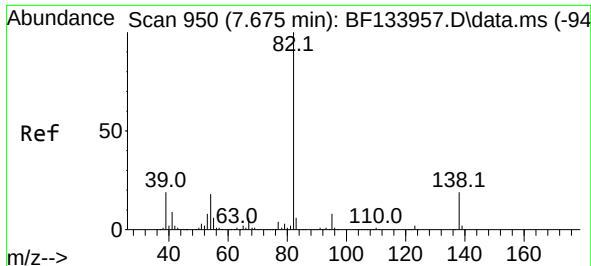


#23
Nitrobenzene-d5
Concen: 62.730 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion: 82 Resp: 457519

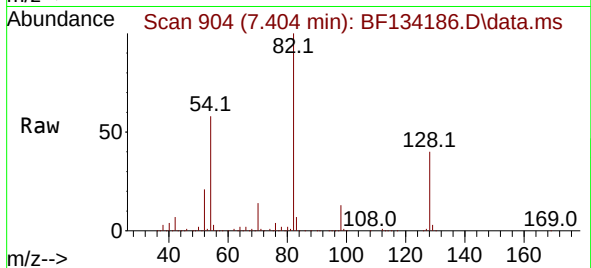
Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.5	48.7
54	57.8	48.2	72.2



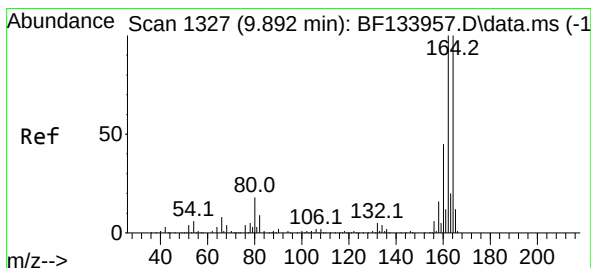
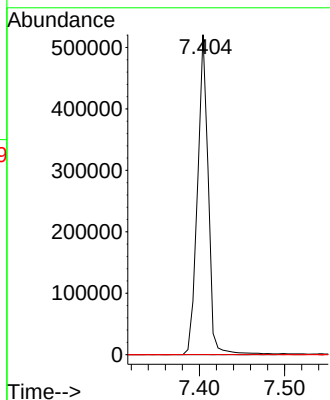
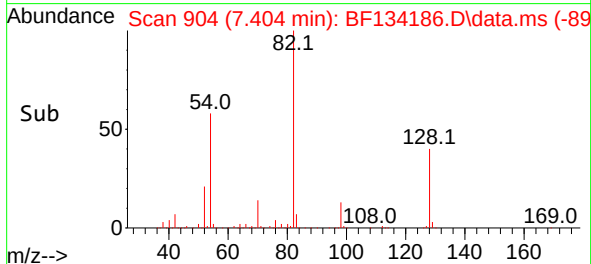


#25
Isophorone
Concen: 34.516 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Instrument :
BNA_F
ClientSampleId :

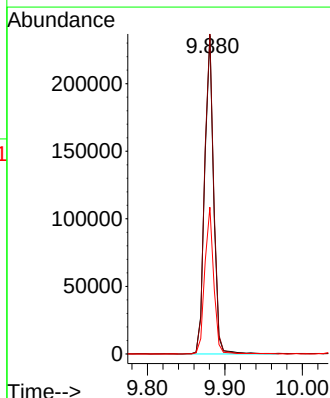
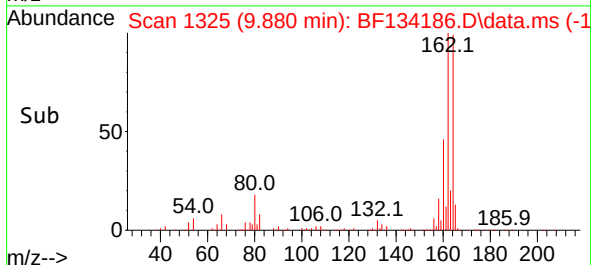
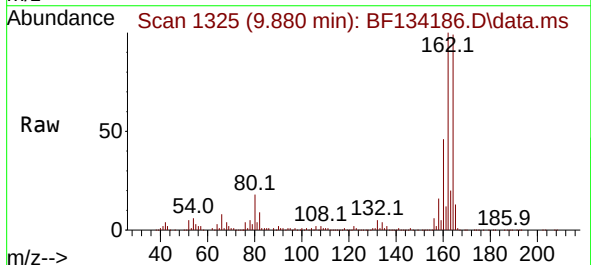


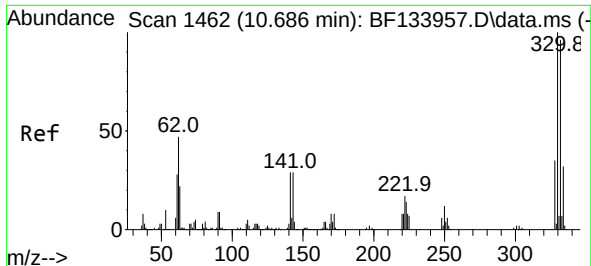
Tgt Ion: 82 Resp: 457513
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:164 Resp: 189315
Ion Ratio Lower Upper
164 100
162 100.5 80.0 120.0
160 46.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 71.778 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.012 min

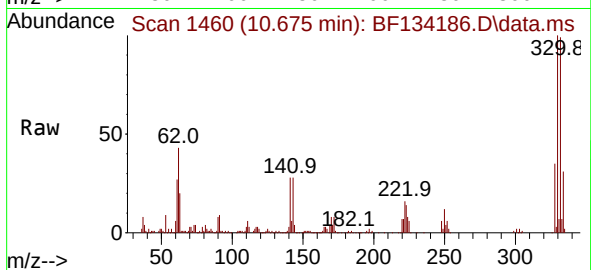
Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

Instrument :

BNA_F

ClientSampleId :



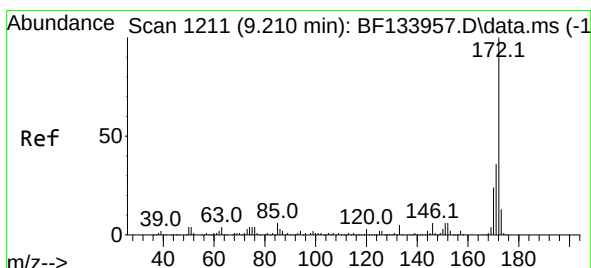
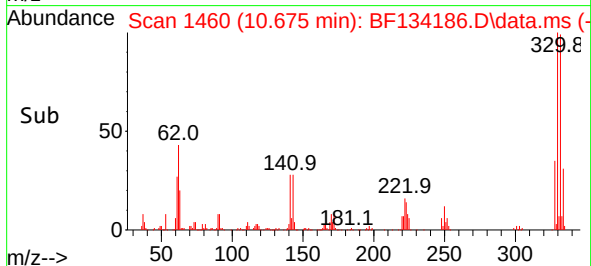
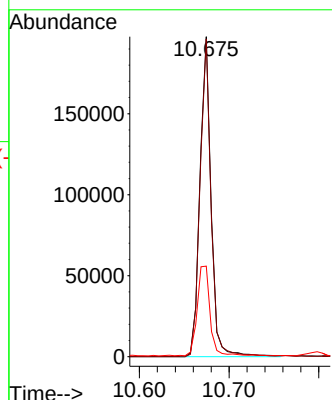
Tgt Ion:330 Resp: 170375

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

141 32.3 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 64.331 ng

RT: 9.198 min Scan# 1209

Delta R.T. -0.012 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

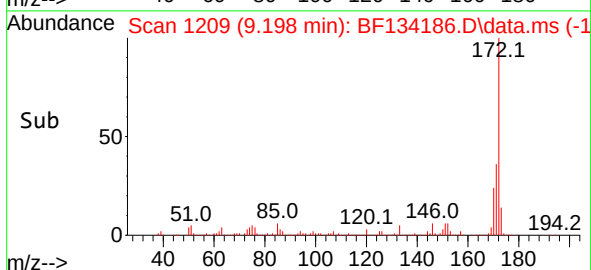
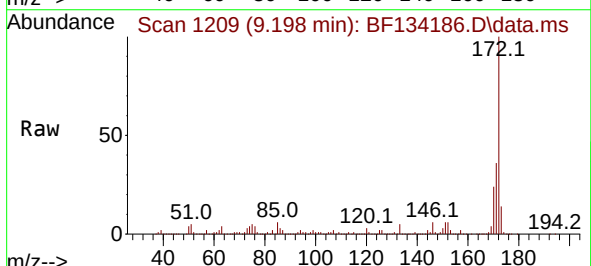
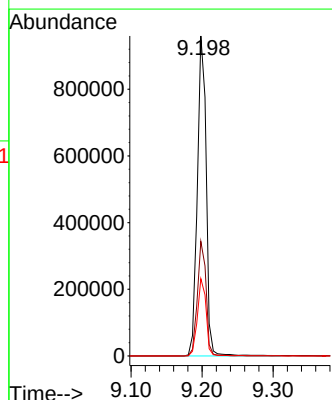
Tgt Ion:172 Resp: 837671

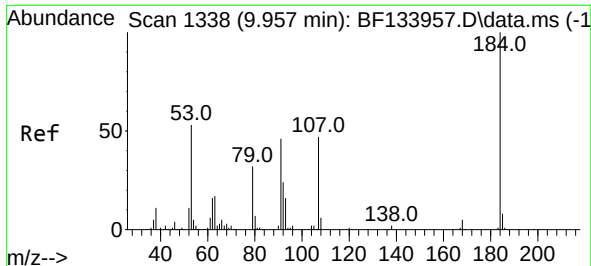
Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 24.2 19.4 29.0





#54

2,4-Dinitrophenol

Concen: 3.899 ng

RT: 10.069 min Scan# 11

Delta R.T. 0.106 min

Lab File: BF134186.D

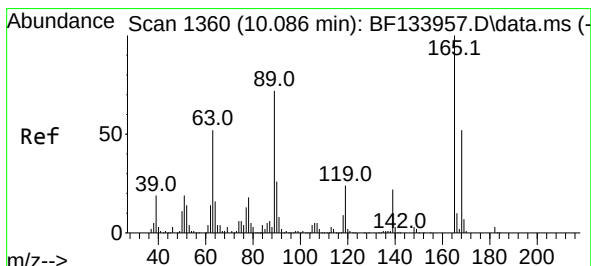
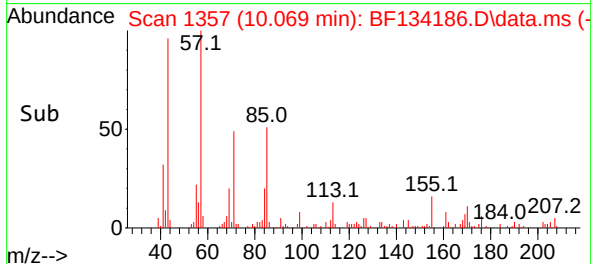
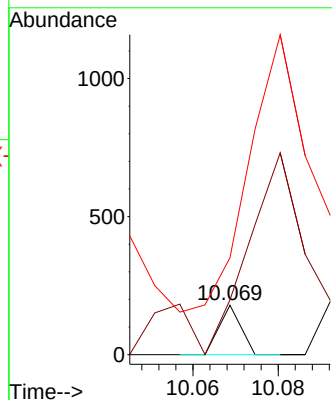
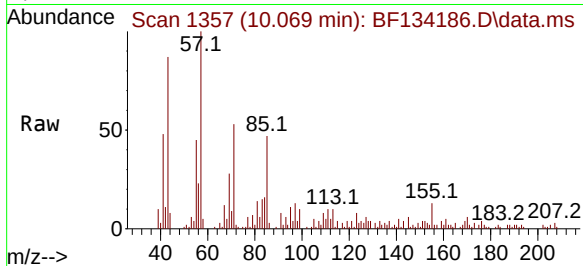
Acq: 10 Jul 2023 15:03

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:184	Resp:	63
Ion Ratio	Lower	Upper
184	100	
63	110.6	56.9 85.3#
154	196.1	55.4 83.0#



#57

2,4-Dinitrotoluene

Concen: 6.724 ng

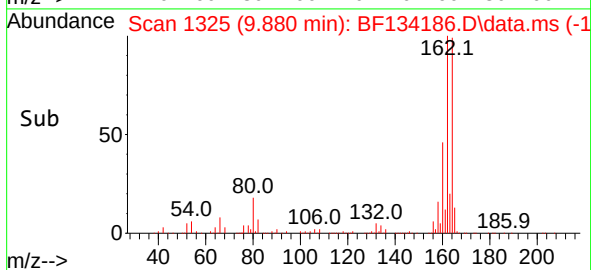
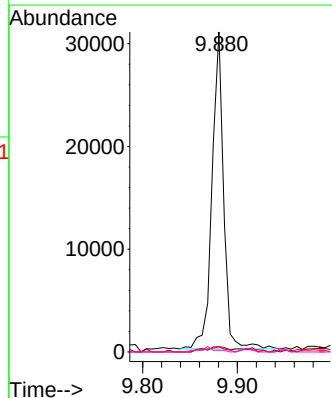
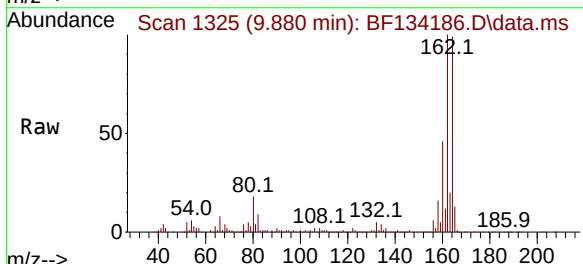
RT: 9.880 min Scan# 1325

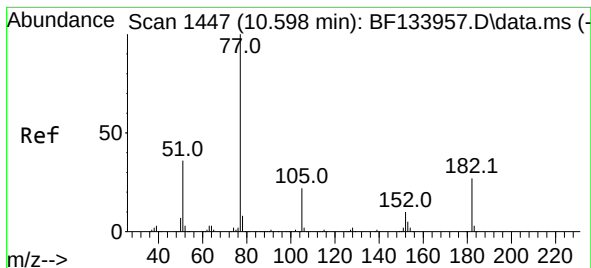
Delta R.T. -0.206 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

Tgt Ion:165	Resp:	26284
Ion Ratio	Lower	Upper
165	100	
63	1.6	42.2 63.2#
89	1.6	57.4 86.2#
182	0.5	2.2 3.4#





#63

Azobenzene

Concen: 3.508 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

Instrument :

BNA_F

ClientSampleId :

Tgt Ion: 77 Resp: 47514

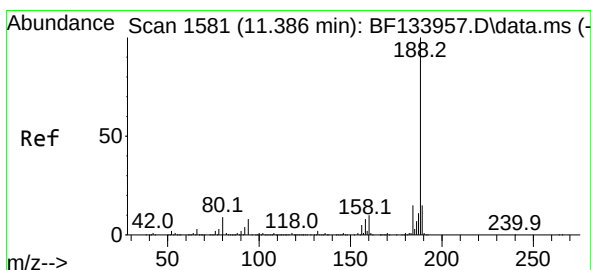
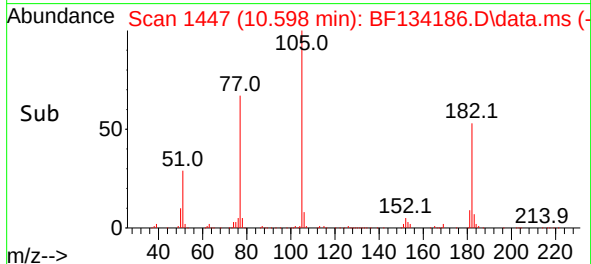
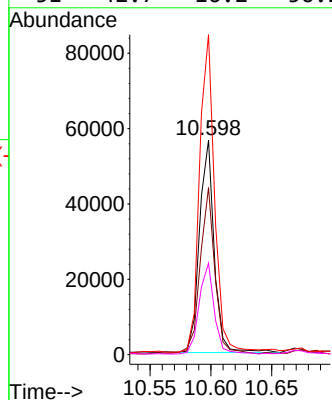
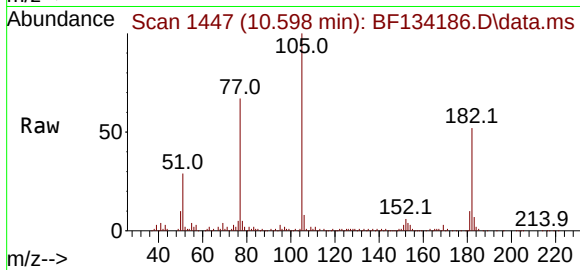
Ion Ratio Lower Upper

77 100

182 77.9 6.8 46.8#

105 149.2 2.3 42.3#

51 42.7 16.2 56.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.374 min Scan# 1579

Delta R.T. -0.012 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

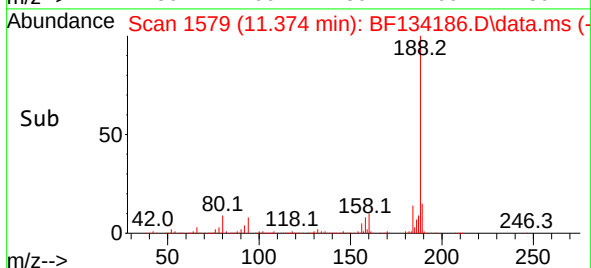
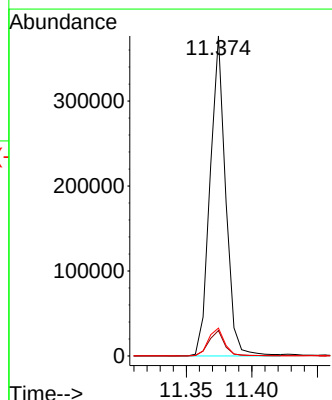
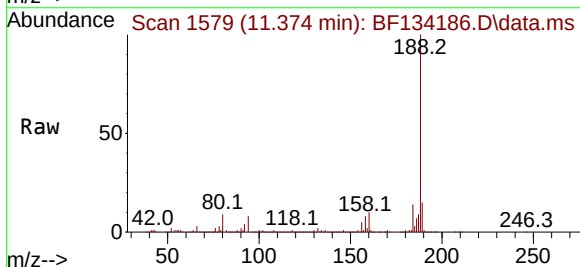
Tgt Ion: 188 Resp: 312094

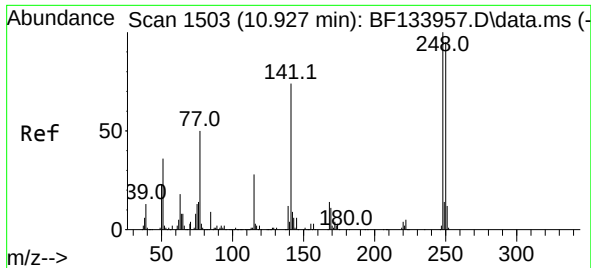
Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

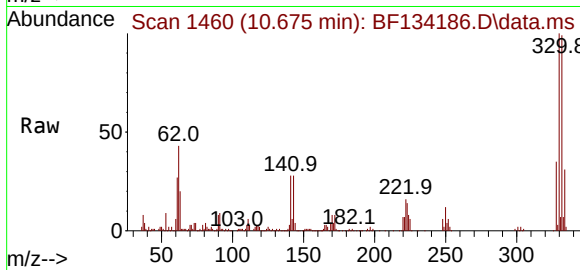
80 8.7 7.3 10.9



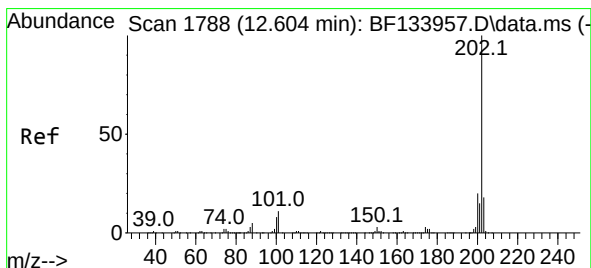
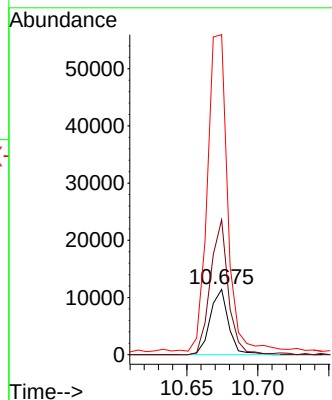
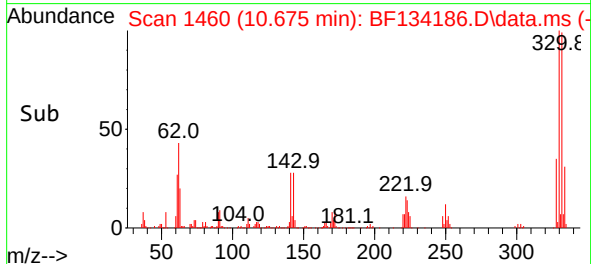


#67
4-Bromophenyl-phenylether
Concen: 3.087 ng
RT: 10.675 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Instrument :
BNA_F
ClientSampleId :

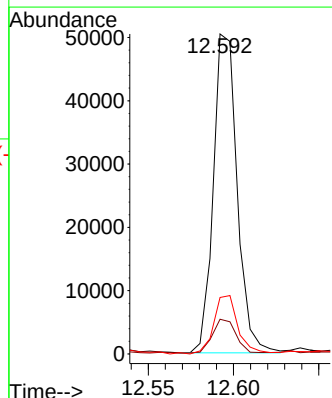
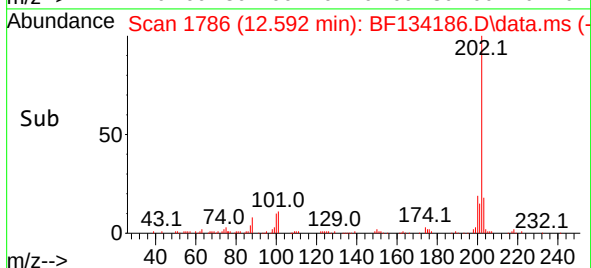
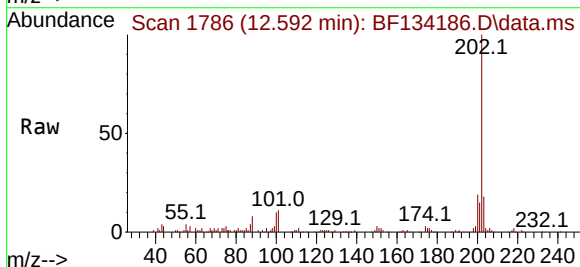


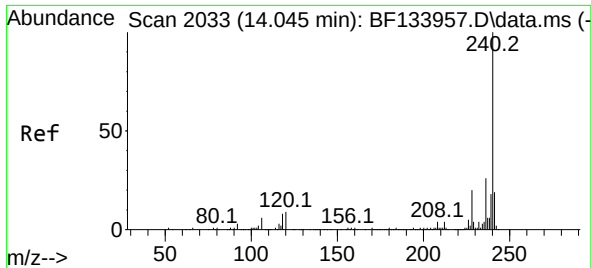
Tgt Ion:248 Resp: 10241
Ion Ratio Lower Upper
248 100
250 206.6 76.2 114.4#
141 490.0 59.0 88.4#



#75
Fluoranthene
Concen: 2.890 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

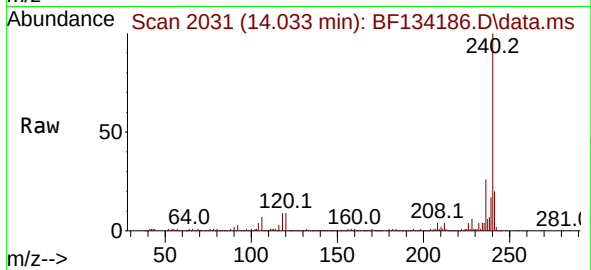
Tgt Ion:202 Resp: 49088
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.0
203 17.6 0.0 37.6



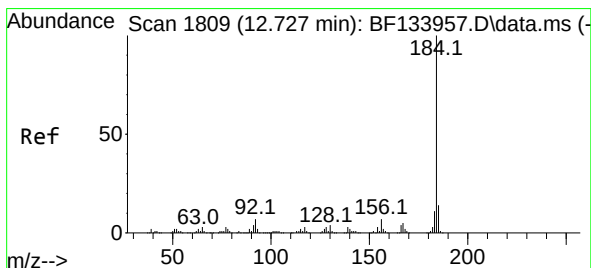
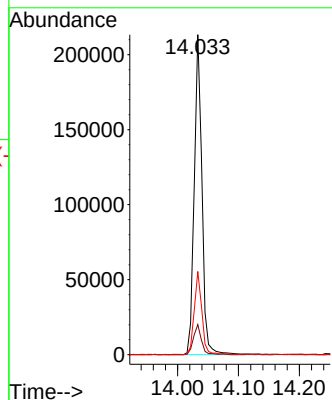
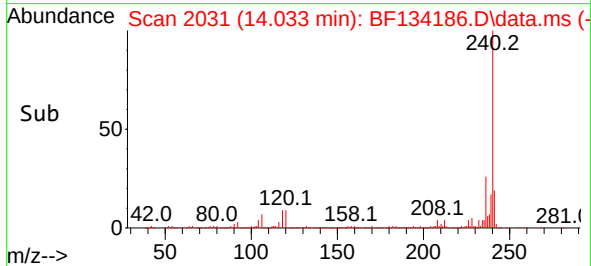


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

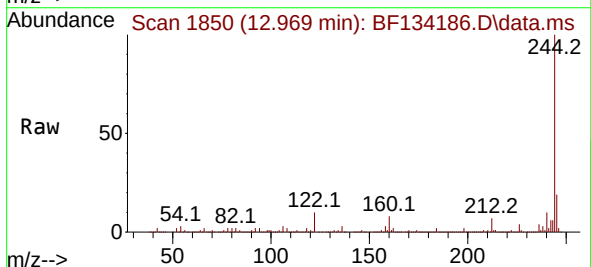
Instrument :
BNA_F
ClientSampleId :



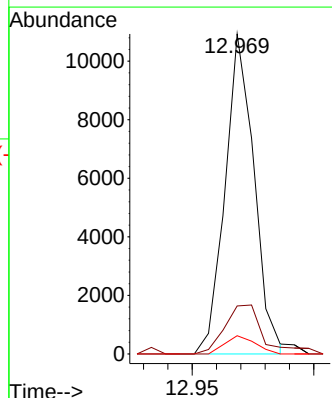
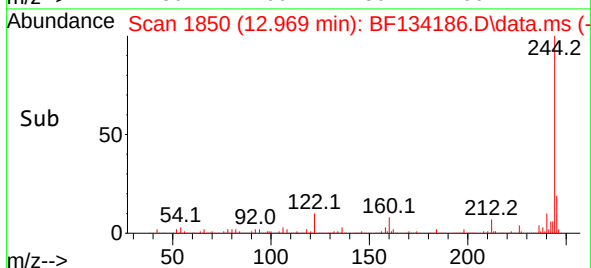
Tgt Ion:240 Resp: 189037
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.0
236 26.0 21.0 31.6

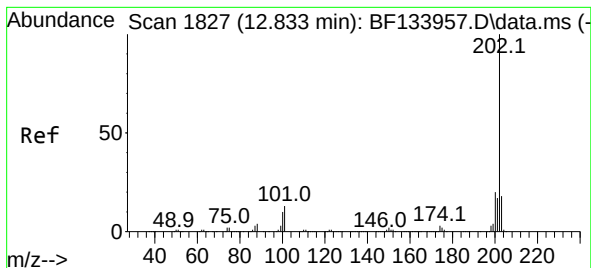


#77
Benzidine
Concen: 2.010 ng
RT: 12.969 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03



Tgt Ion:184 Resp: 9040
Ion Ratio Lower Upper
184 100
185 15.0 11.6 17.4
183 5.7 8.8 13.2#





#78

Pyrene

Concen: 4.977 ng

RT: 12.827 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

Instrument :

BNA_F

ClientSampleId :

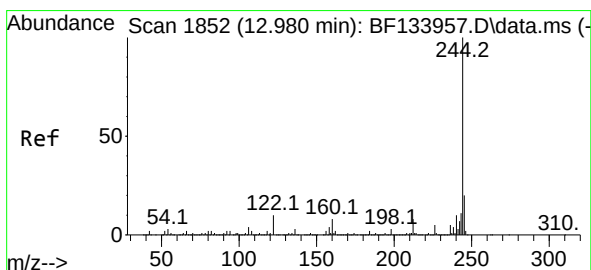
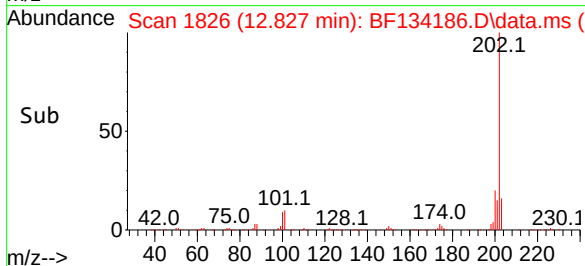
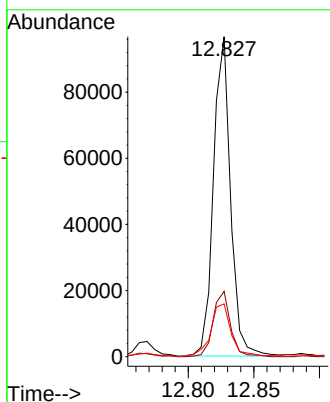
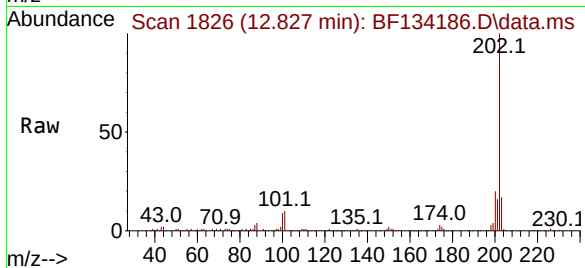
Tgt Ion:202 Resp: 87553

Ion Ratio Lower Upper

202 100

200 20.4 16.1 24.1

203 16.5 14.3 21.5



#79

Terphenyl-d14

Concen: 53.514 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.018 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

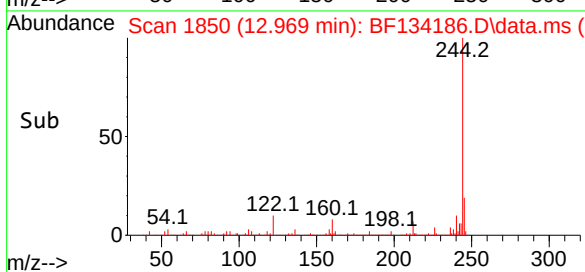
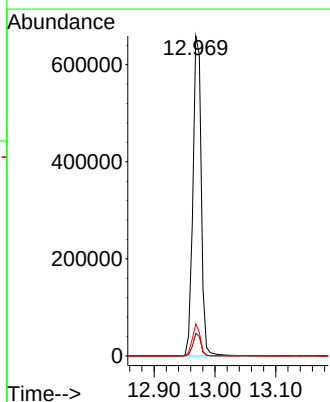
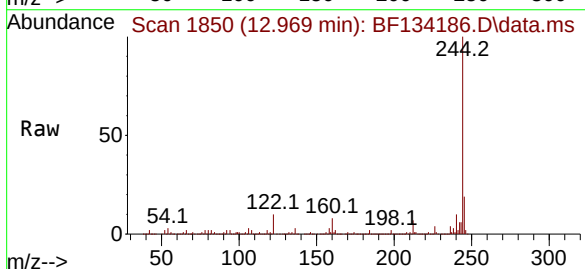
Tgt Ion:244 Resp: 628560

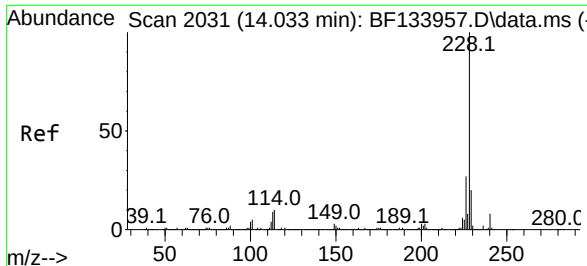
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 10.0 8.3 12.5

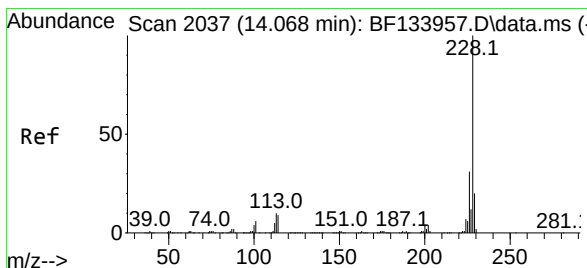
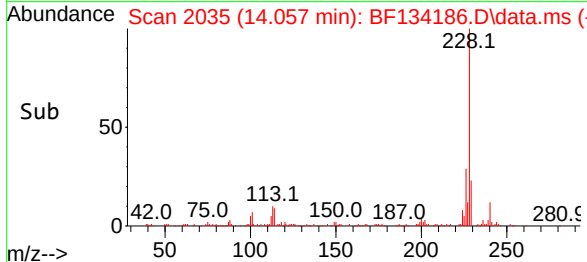
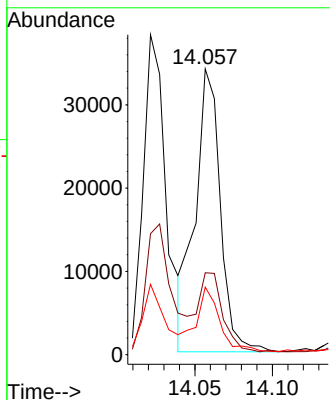
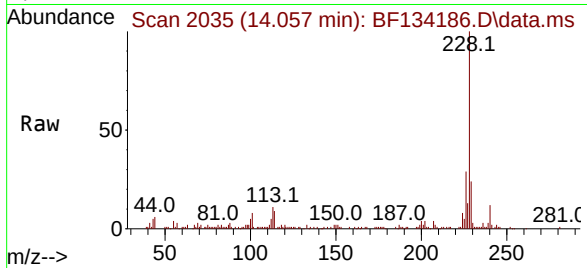




#81
Benzo(a)anthracene
Concen: 2.933 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

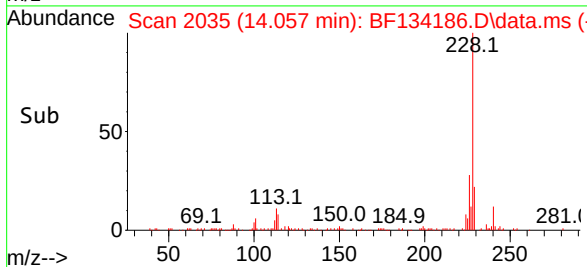
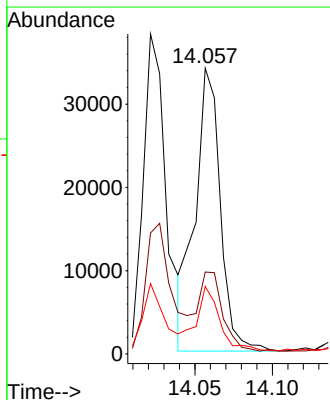
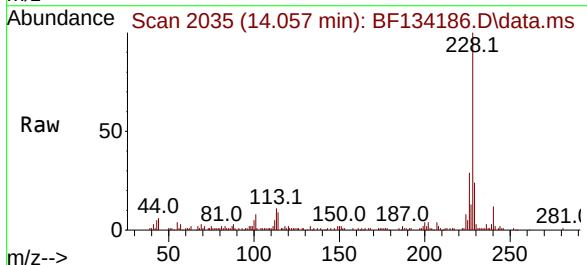
Instrument :
BNA_F
ClientSampleId :

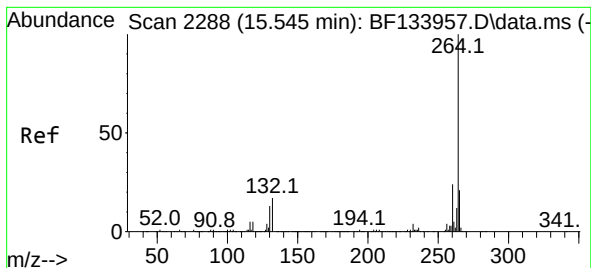
Tgt Ion:228 Resp: 38458
Ion Ratio Lower Upper
228 100
226 28.7 22.0 33.0
229 23.6 16.3 24.5



#83
Chrysene
Concen: 3.029 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:228 Resp: 38458
Ion Ratio Lower Upper
228 100
226 28.7 24.4 36.6
229 23.6 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

Instrument :

BNA_F

ClientSampleId :

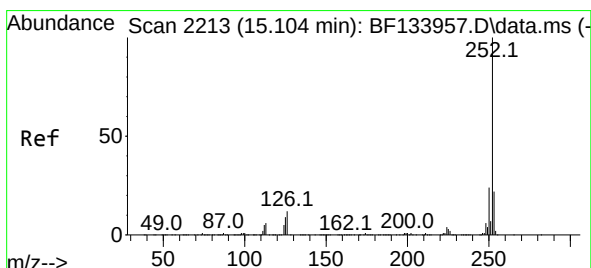
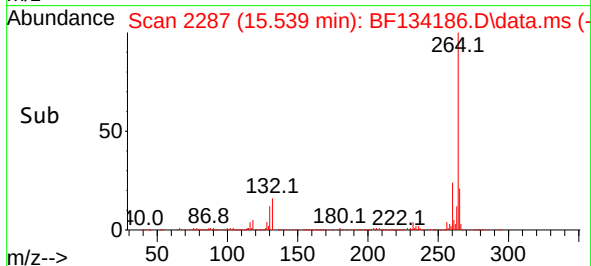
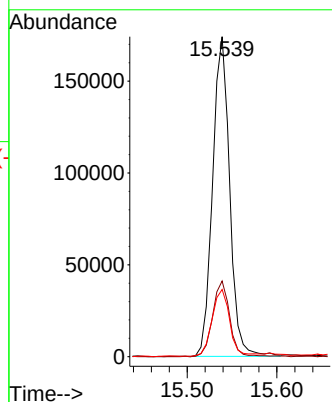
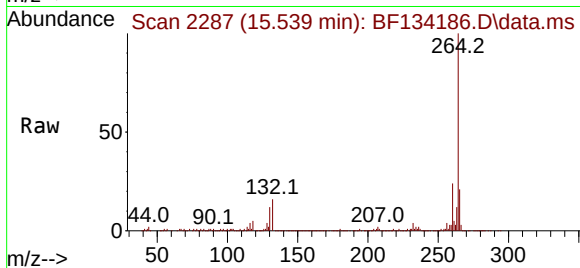
Tgt Ion:264 Resp: 230011

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 21.0 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 4.221 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.018 min

Lab File: BF134186.D

Acq: 10 Jul 2023 15:03

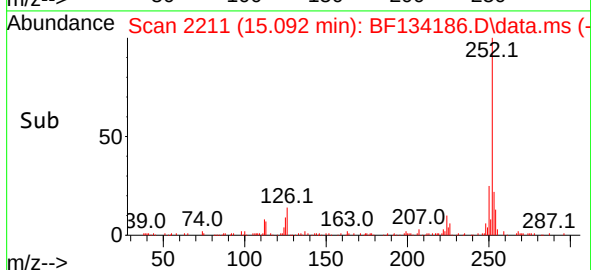
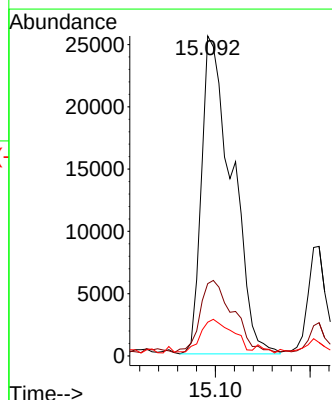
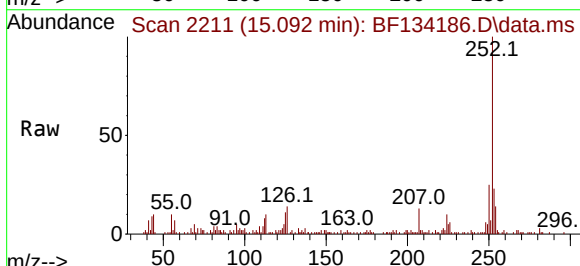
Tgt Ion:252 Resp: 57084

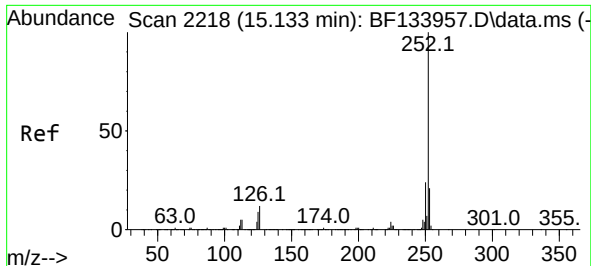
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 10.6 7.1 10.7

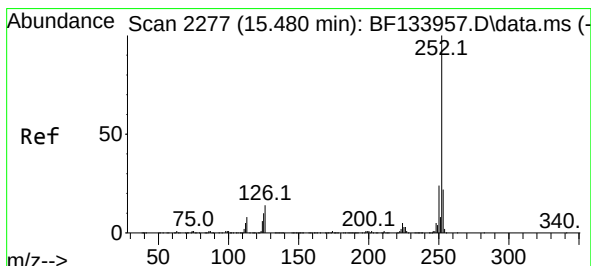
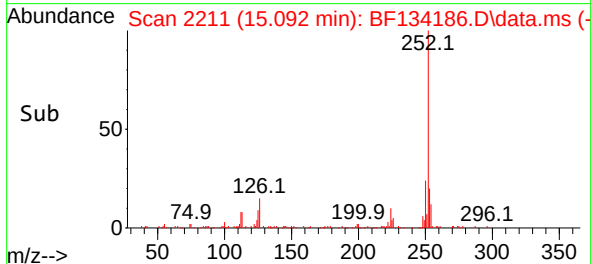
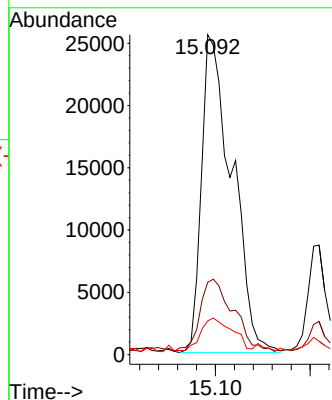
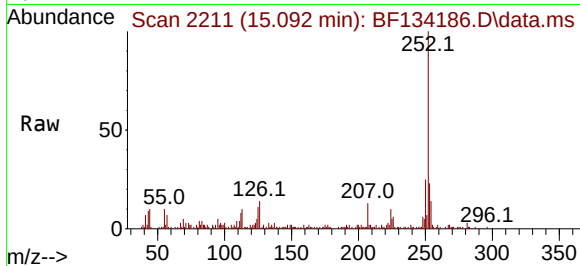




#89
Benzo(k)fluoranthene
Concen: 4.145 ng
RT: 15.092 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 57084
Ion Ratio Lower Upper
252 100
253 22.6 16.9 25.3
125 10.6 7.4 11.2



#90
Benzo(a)pyrene
Concen: 2.956 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BF134186.D
Acq: 10 Jul 2023 15:03

Tgt Ion:252 Resp: 38664
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 10.5 8.4 12.6

