

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133882.D
 Acq On : 21 Jun 2023 21:10
 Operator : CG\JU
 Sample : 03296-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 06:00:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

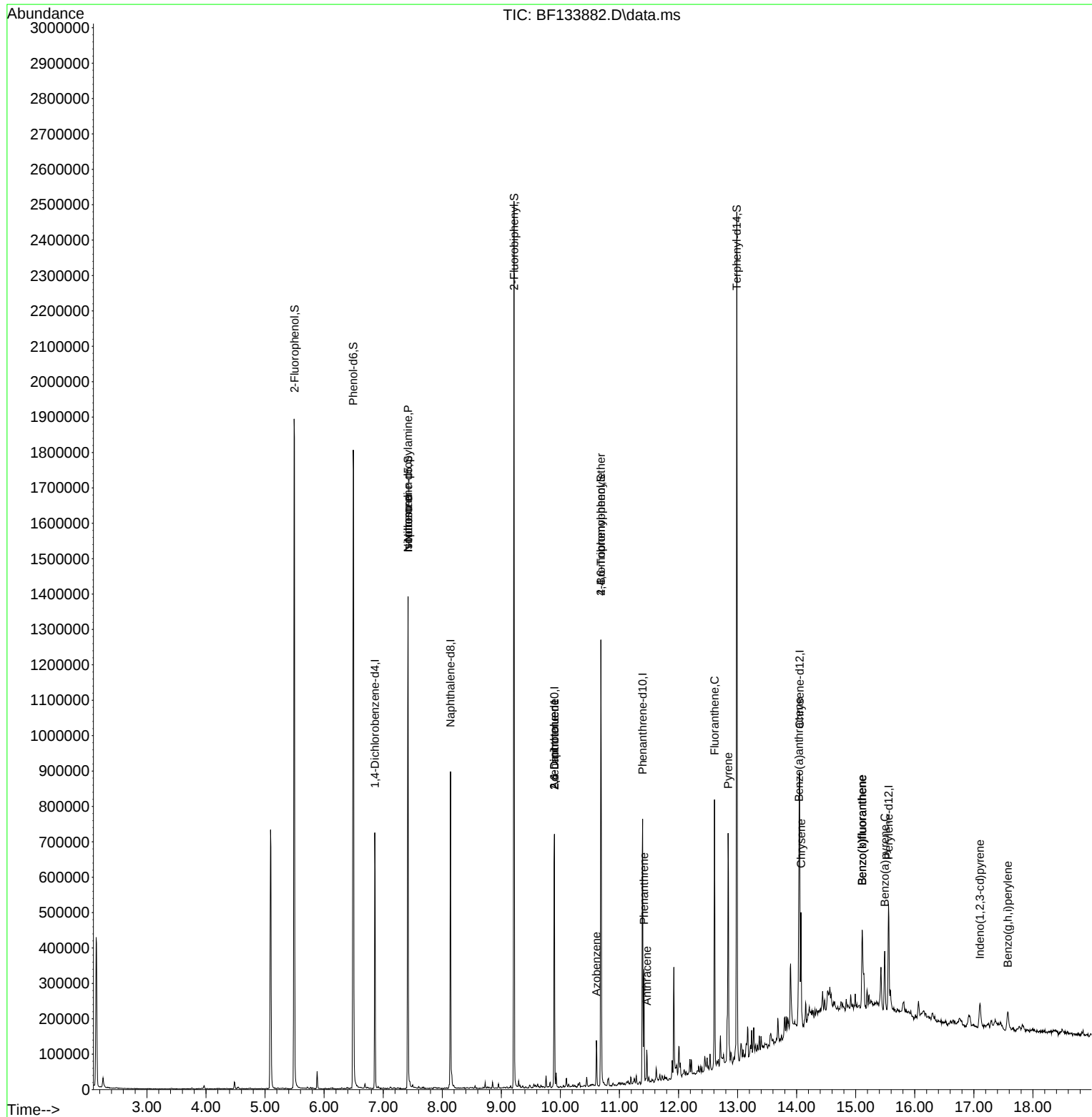
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	102095	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	346830	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	140112	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	275412	20.000	ng	0.00
76) Chrysene-d12	14.051	240	207920	20.000	ng	0.00
86) Perylene-d12	15.557	264	145831	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	508509	86.710	ng	0.01
7) Phenol-d6	6.492	99	593213	77.711	ng	0.00
23) Nitrobenzene-d5	7.422	82	393993	61.873	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	142467	80.328	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	663771	67.343	ng	0.00
79) Terphenyl-d14	12.986	244	777991	57.898	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	55514	11.430	ng	# 77
25) Isophorone	7.422	82	394022	33.705	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	17924	8.303	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	17924	6.529	ng	# 20
63) Azobenzene	10.610	77	21585	2.142	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	8885	2.890	ng	# 1
71) Phenanthrene	11.416	178	118162	8.456	ng	98
72) Anthracene	11.463	178	32152	2.207	ng	96
75) Fluoranthene	12.610	202	286581	19.313	ng	98
78) Pyrene	12.839	202	268309	13.853	ng	98
81) Benzo(a)anthracene	14.039	228	141569	9.844	ng	97
83) Chrysene	14.074	228	113573	8.349	ng	98
87) Indeno(1,2,3-cd)pyrene	17.103	276	52311	5.214	ng	97
88) Benzo(b)fluoranthene	15.110	252	163471	18.453	ng	# 94
89) Benzo(k)fluoranthene	15.110	252	163471	18.944	ng	# 94
90) Benzo(a)pyrene	15.492	252	81598	9.925	ng	97
92) Benzo(g,h,i)perylene	17.574	276	51108	6.206	ng	96

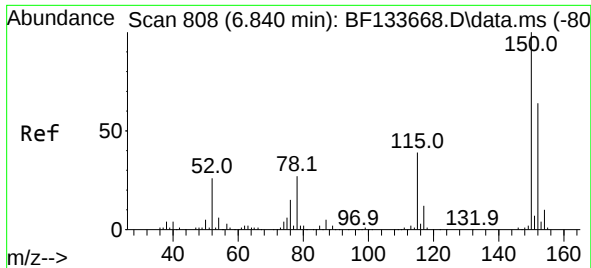
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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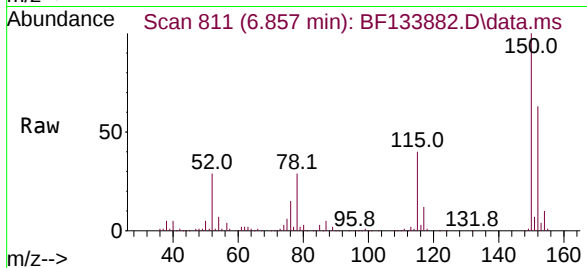
Quant Time: Jun 22 06:00:29 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 13:43:46 2023
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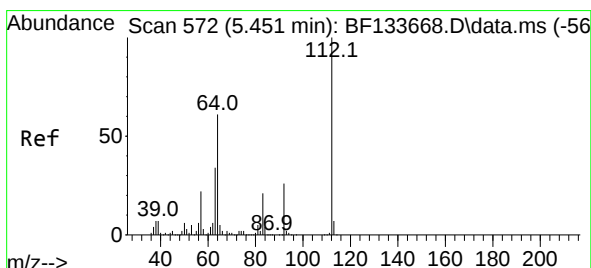
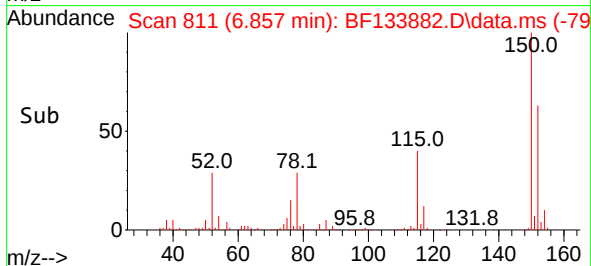
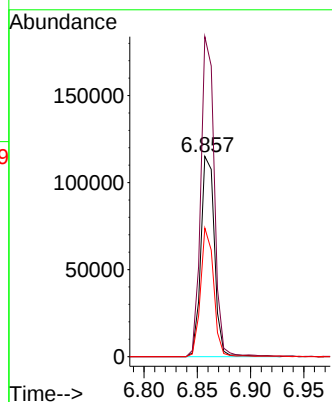


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.857 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF133882.D
 Acq: 21 Jun 2023 21:10

Instrument :
 BNA_F
 ClientSampleId :

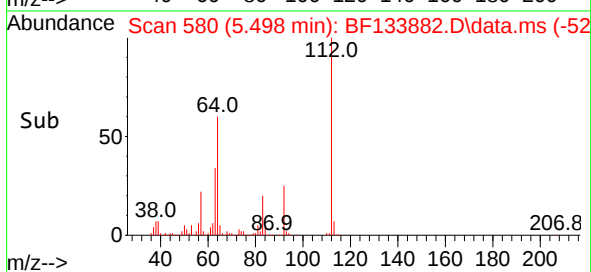
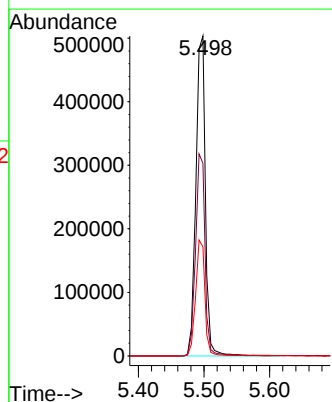
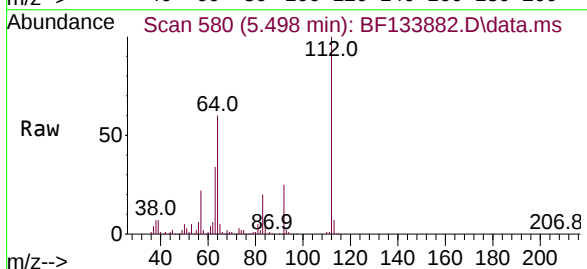


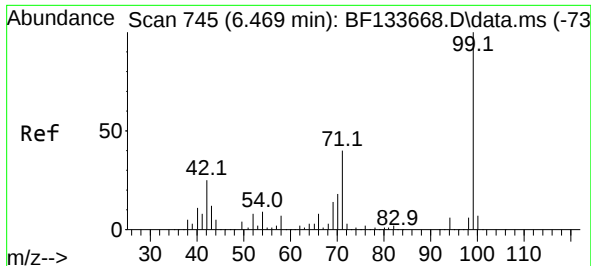
Tgt Ion:152 Resp: 102095
 Ion Ratio Lower Upper
 152 100
 150 159.8 124.3 186.5
 115 64.2 48.5 72.7



#5
 2-Fluorophenol
 Concen: 86.710 ng
 RT: 5.498 min Scan# 580
 Delta R.T. 0.012 min
 Lab File: BF133882.D
 Acq: 21 Jun 2023 21:10

Tgt Ion:112 Resp: 508509
 Ion Ratio Lower Upper
 112 100
 64 60.2 49.0 73.4
 63 34.1 26.8 40.2





#7

Phenol-d6

Concen: 77.711 ng

RT: 6.492 min Scan# 74

Delta R.T. 0.000 min

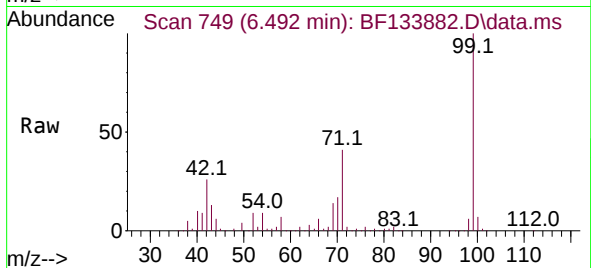
Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :



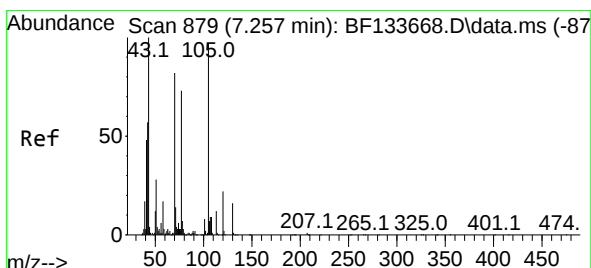
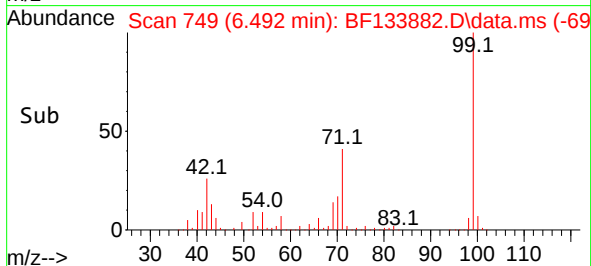
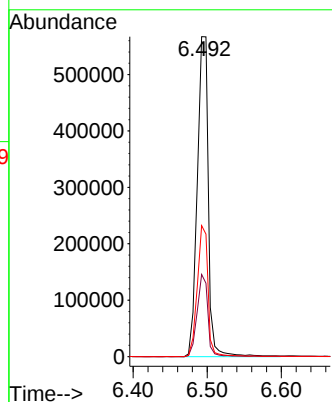
Tgt Ion: 99 Resp: 593213

Ion Ratio Lower Upper

99 100

42 25.7 19.9 29.9

71 40.9 32.2 48.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.430 ng

RT: 7.422 min Scan# 907

Delta R.T. 0.147 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Tgt Ion: 70 Resp: 55514

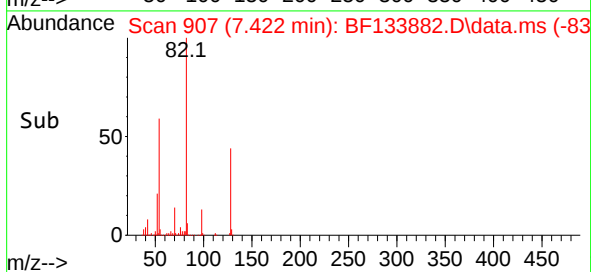
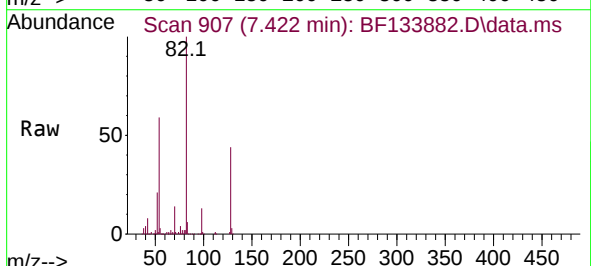
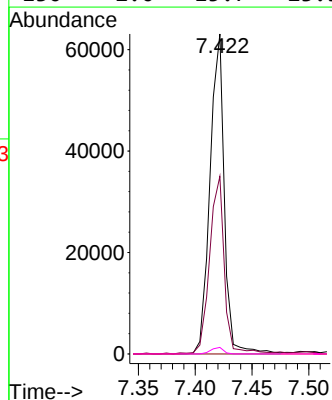
Ion Ratio Lower Upper

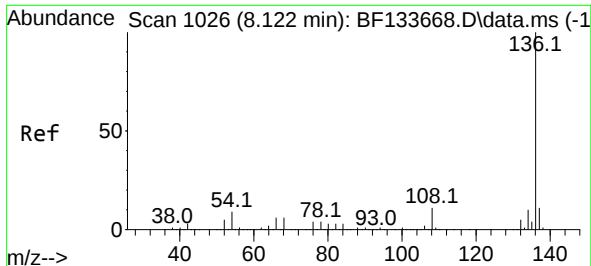
70 100

42 55.5 55.8 83.8#

101 0.0 8.1 12.1#

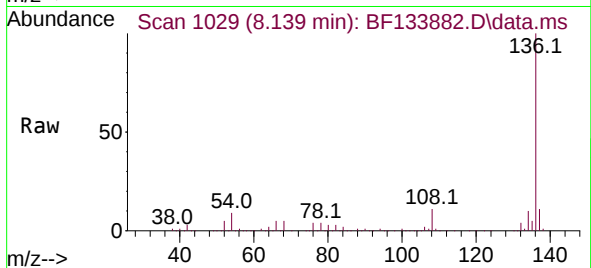
130 2.0 15.7 23.5#



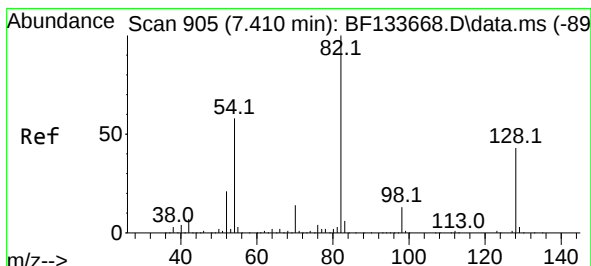
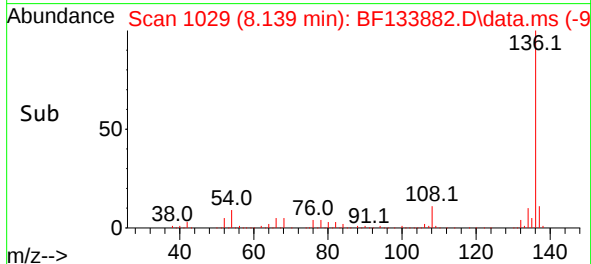
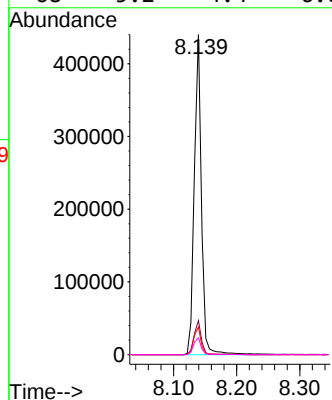


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10

Instrument :
BNA_F
ClientSampleId :

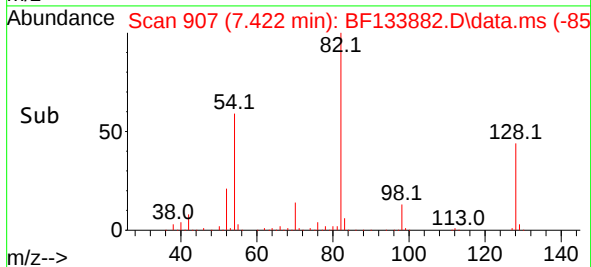
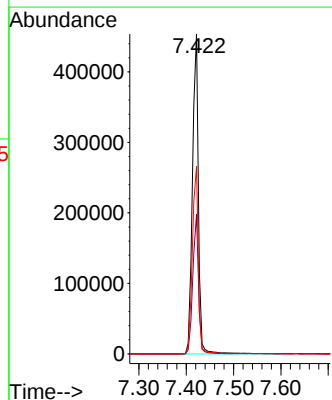
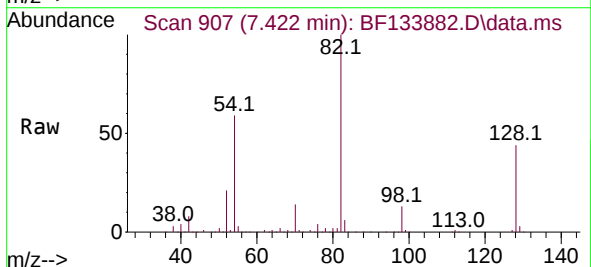


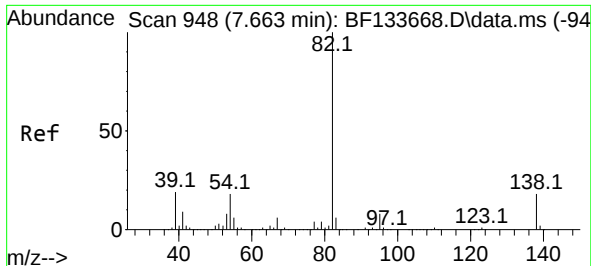
Tgt Ion:136 Resp: 346830
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.6 7.4 11.0
68 5.2 4.4 6.6



#23
Nitrobenzene-d5
Concen: 61.873 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.000 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10

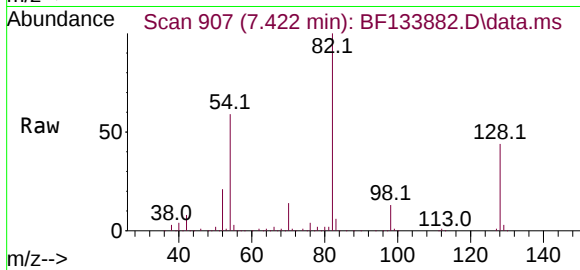
Tgt Ion: 82 Resp: 393993
Ion Ratio Lower Upper
82 100
128 43.6 34.2 51.2
54 58.6 46.5 69.7



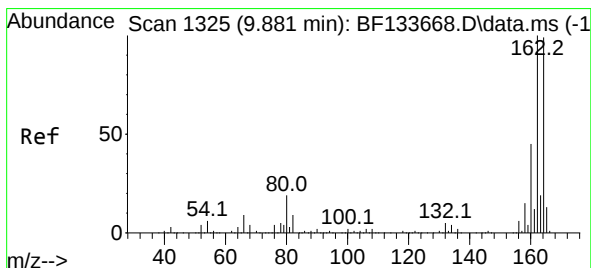
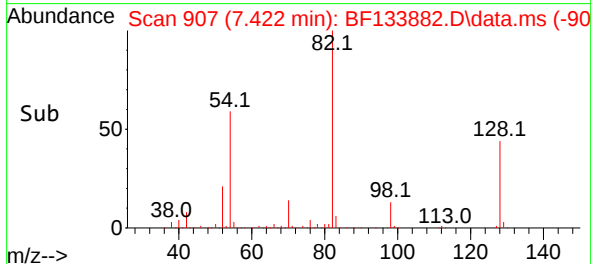
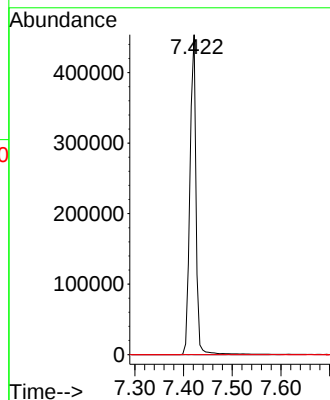


#25
Isophorone
Concen: 33.705 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10

Instrument :
BNA_F
ClientSampleId :

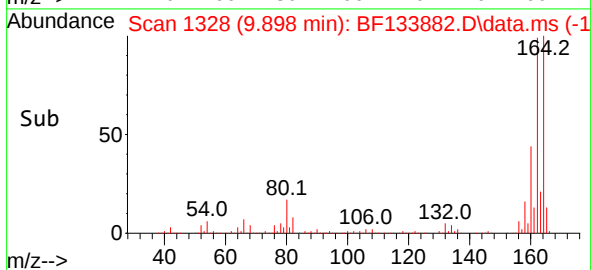
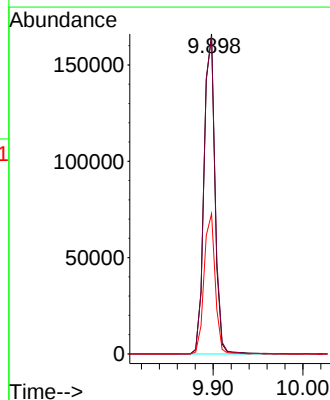
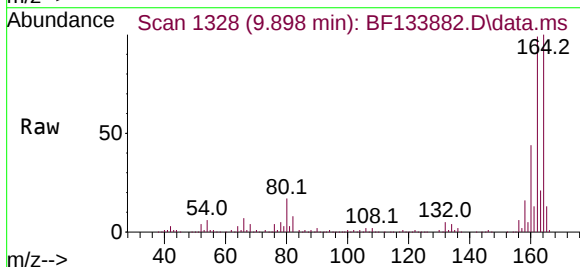


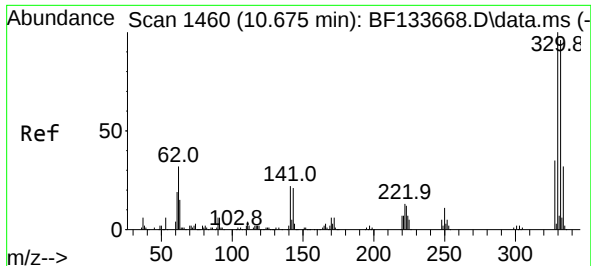
Tgt Ion: 82 Resp: 394022
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10

Tgt Ion: 164 Resp: 140112
Ion Ratio Lower Upper
164 100
162 99.1 80.8 121.2
160 43.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 80.328 ng

RT: 10.686 min Scan# 1460

Delta R.T. -0.006 min

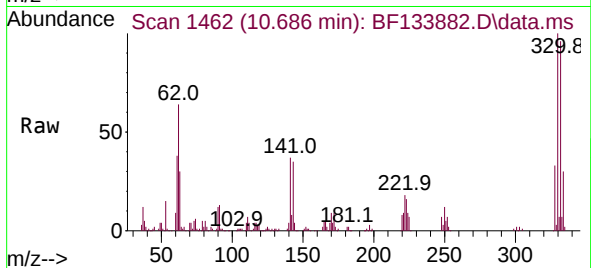
Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :



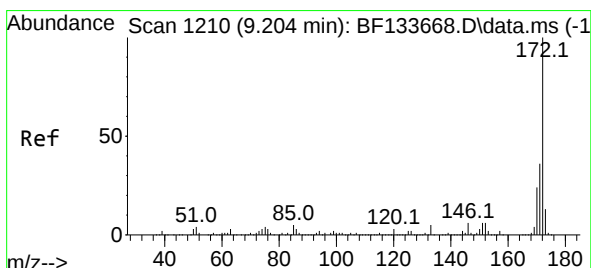
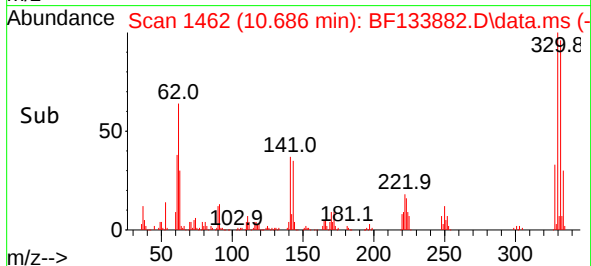
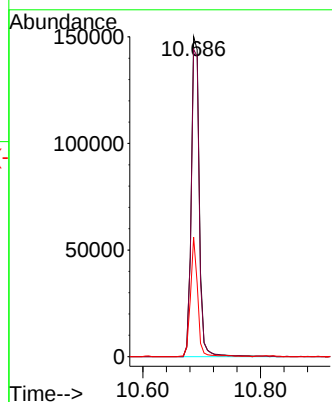
Tgt Ion:330 Resp: 142467

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

141 33.5 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 67.343 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

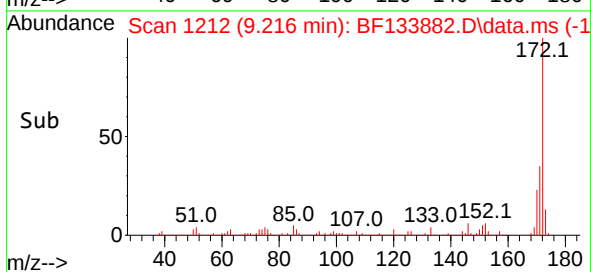
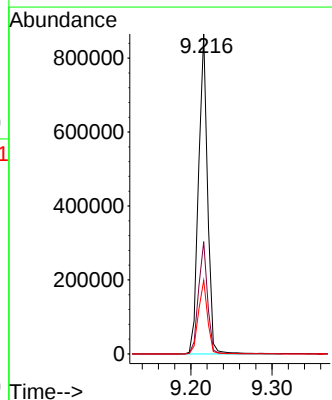
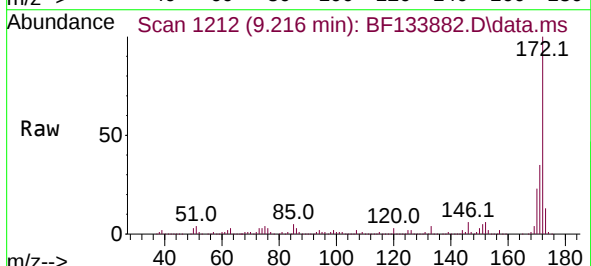
Tgt Ion:172 Resp: 663771

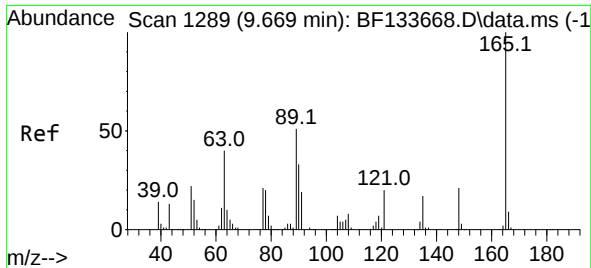
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 23.0 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.303 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.218 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

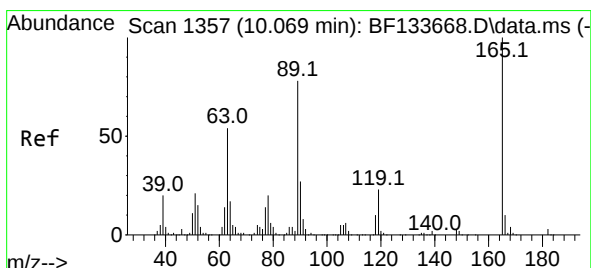
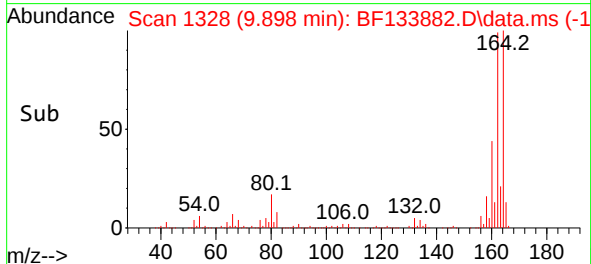
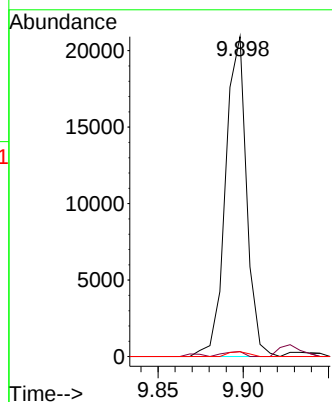
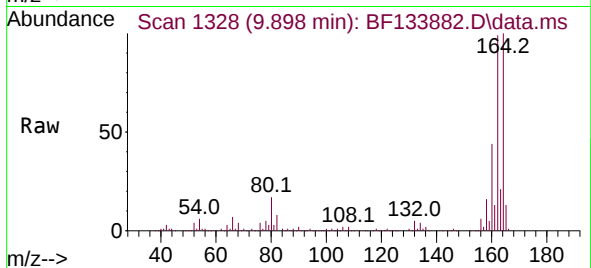
Tgt Ion:165 Resp: 17924

Ion Ratio Lower Upper

165 100

63 1.6 42.1 63.1#

89 1.5 40.9 61.3#



#57

2,4-Dinitrotoluene

Concen: 6.529 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.188 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Tgt Ion:165 Resp: 17924

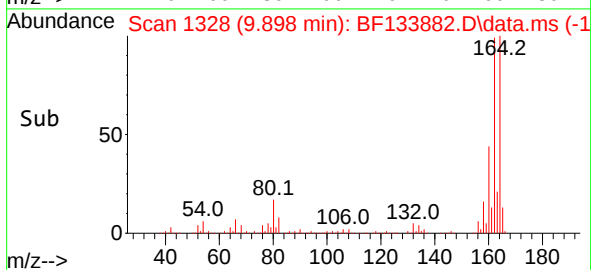
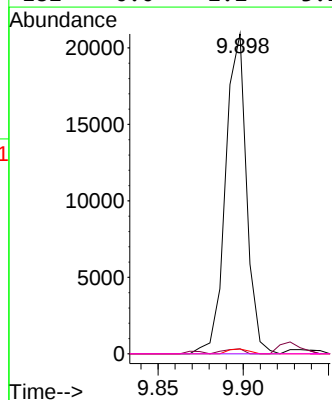
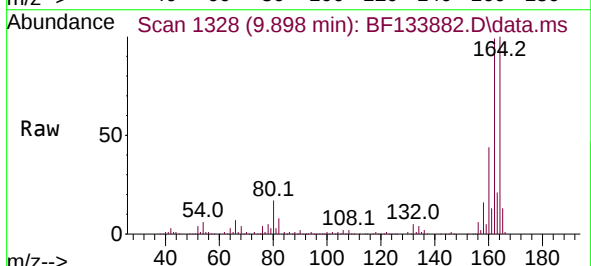
Ion Ratio Lower Upper

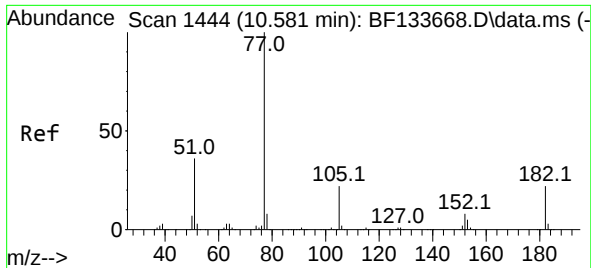
165 100

63 1.6 43.0 64.6#

89 1.5 62.6 93.8#

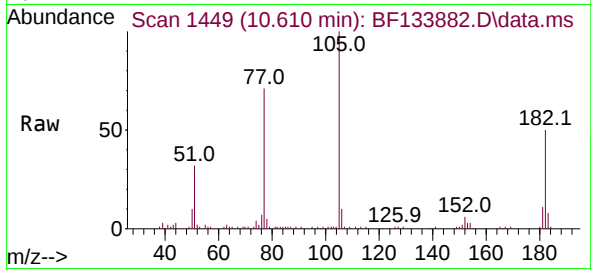
182 0.0 2.2 3.2#



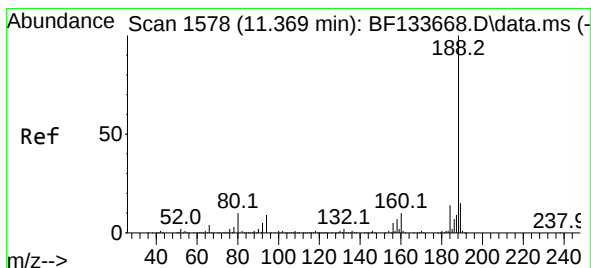
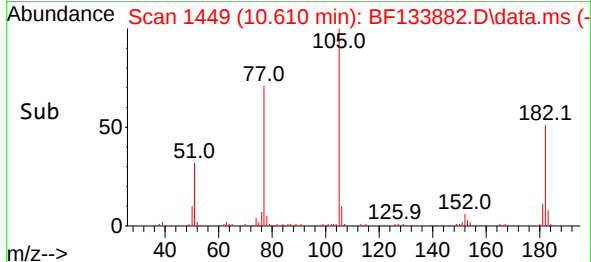
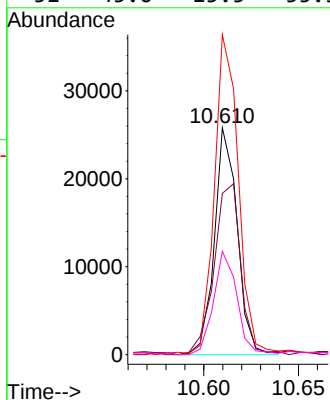


#63
 Azobenzene
 Concen: 2.142 ng
 RT: 10.610 min Scan# 1449
 Delta R.T. 0.012 min
 Lab File: BF133882.D
 Acq: 21 Jun 2023 21:10

Instrument :
 BNA_F
 ClientSampleId :

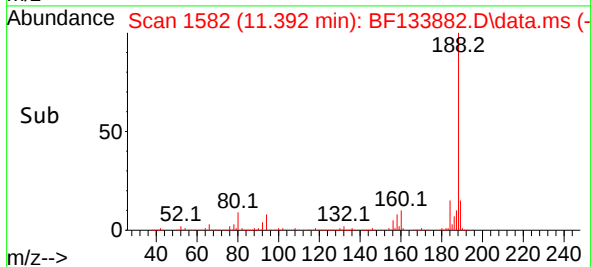
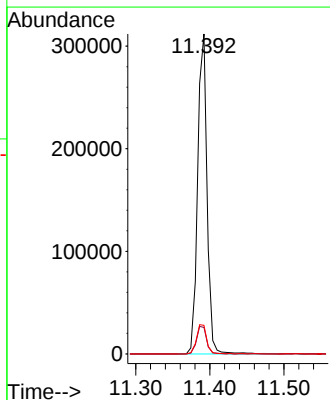
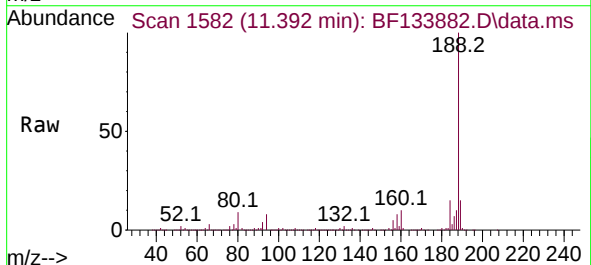


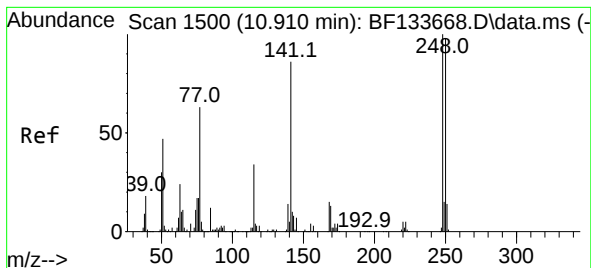
Tgt Ion: 77 Resp: 21585
 Ion Ratio Lower Upper
 77 100
 182 71.1 1.6 41.6#
 105 141.1 1.6 41.6#
 51 45.6 15.5 55.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.392 min Scan# 1582
 Delta R.T. 0.006 min
 Lab File: BF133882.D
 Acq: 21 Jun 2023 21:10

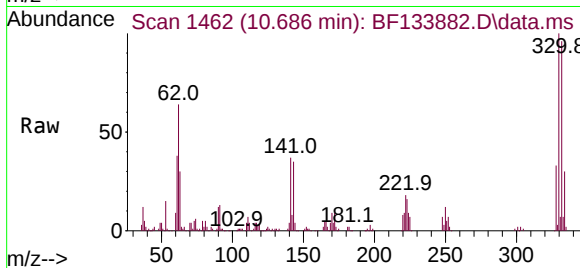
Tgt Ion: 188 Resp: 275412
 Ion Ratio Lower Upper
 188 100
 94 8.3 6.8 10.2
 80 8.9 7.8 11.6



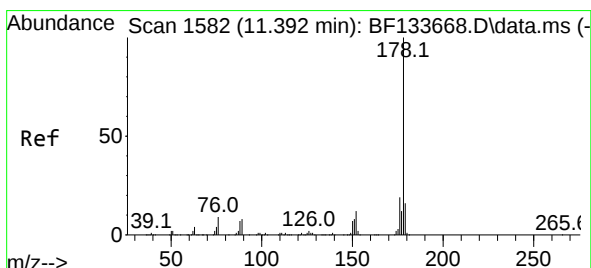
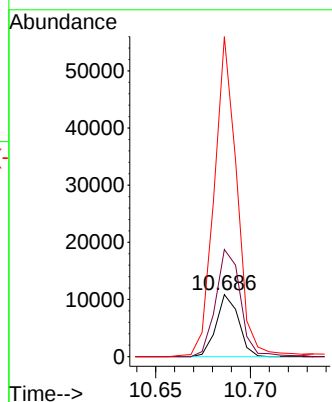
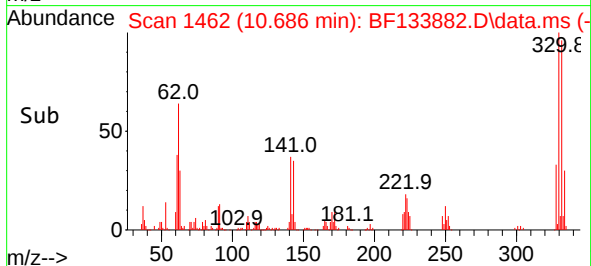


#67
4-Bromophenyl-phenylether
Concen: 2.890 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10

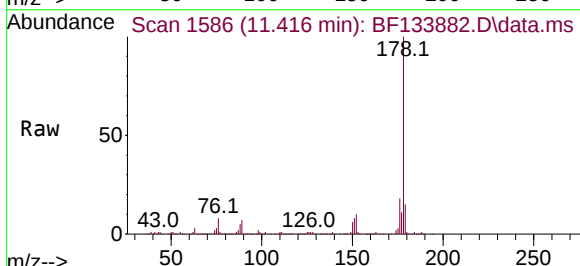
Instrument :
BNA_F
ClientSampleId :



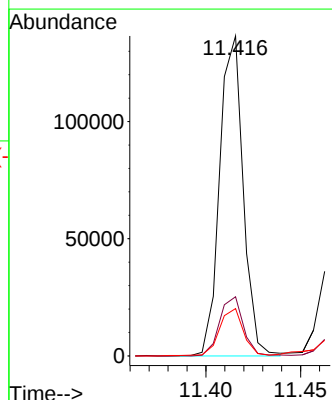
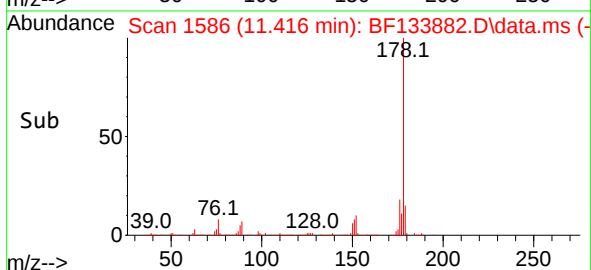
Tgt Ion:248 Resp: 8885
Ion Ratio Lower Upper
248 100
250 172.7 78.3 117.5#
141 516.3 69.0 103.6#

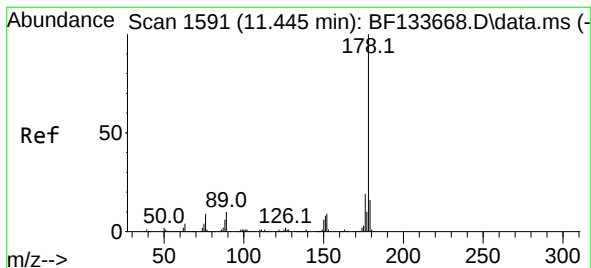


#71
Phenanthrene
Concen: 8.456 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10



Tgt Ion:178 Resp: 118162
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 14.8 12.4 18.6





#72

Anthracene

Concen: 2.207 ng

RT: 11.463 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

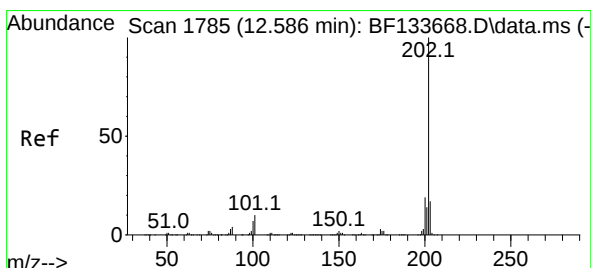
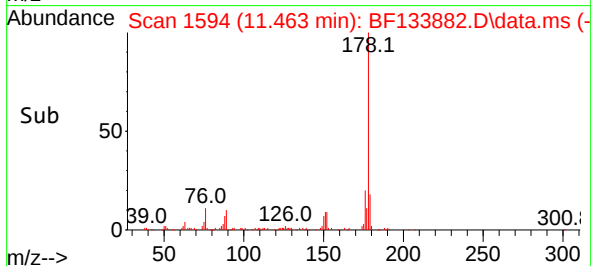
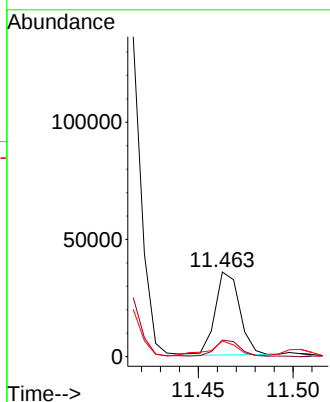
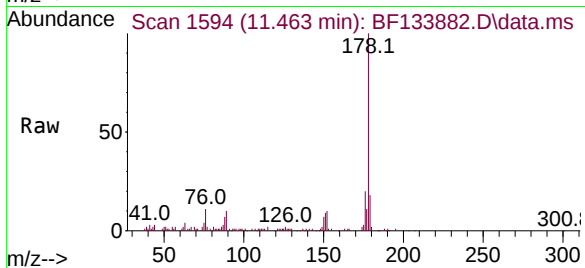
Tgt Ion:178 Resp: 32152

Ion Ratio Lower Upper

178 100

176 19.6 15.1 22.7

179 18.4 12.6 18.8



#75

Fluoranthene

Concen: 19.313 ng

RT: 12.610 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

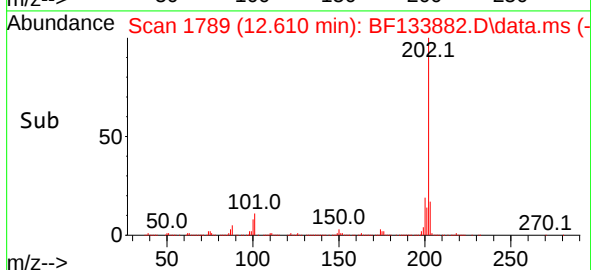
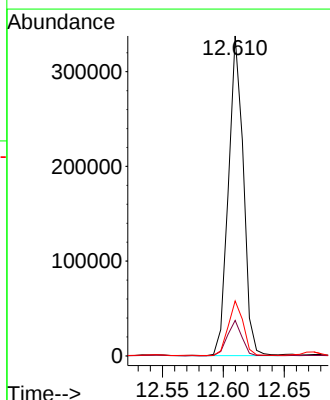
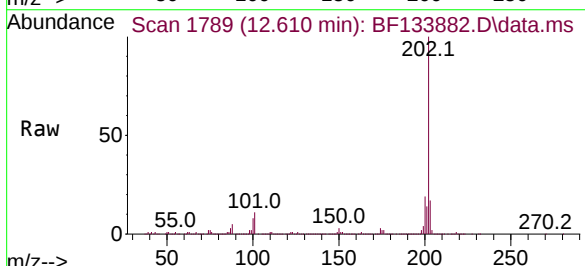
Tgt Ion:202 Resp: 286581

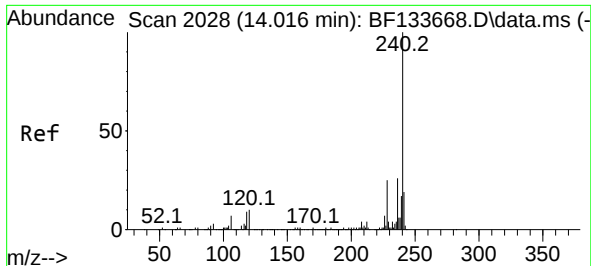
Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.6

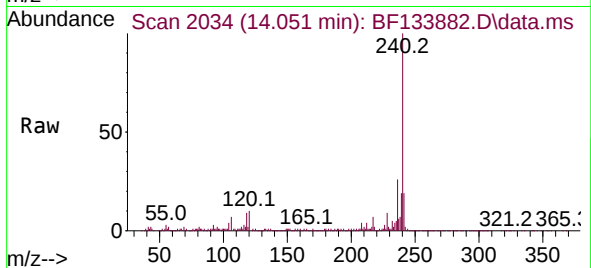
203 17.2 0.0 37.4



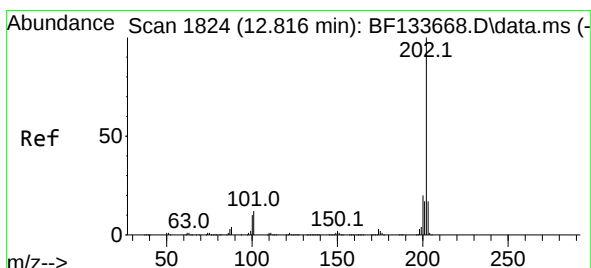
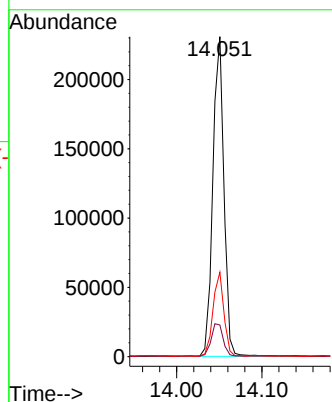
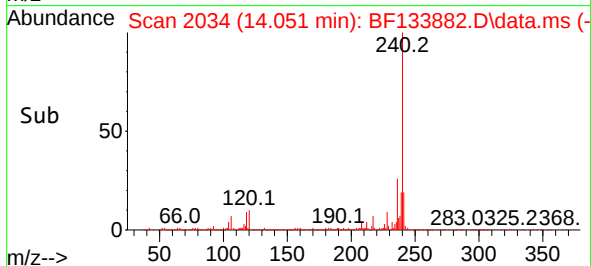


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10

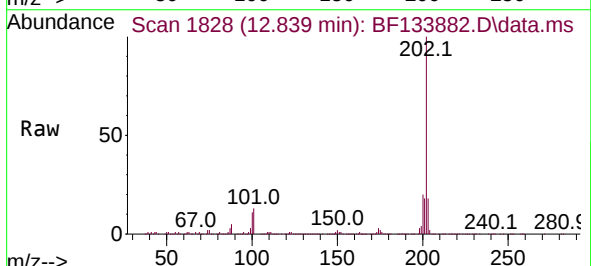
Instrument :
BNA_F
ClientSampleId :



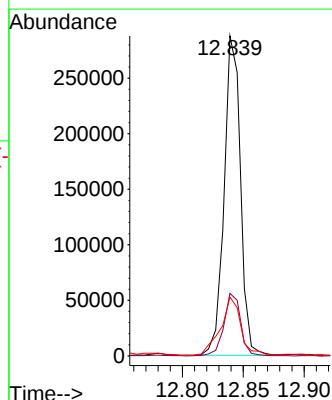
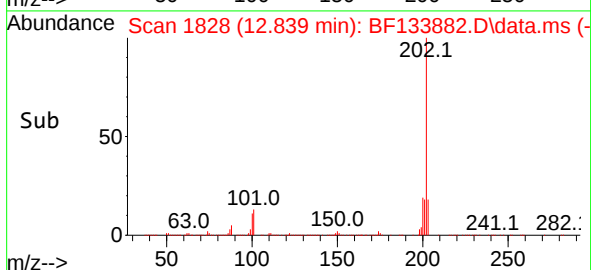
Tgt Ion:240 Resp: 207920
Ion Ratio Lower Upper
240 100
120 9.9 8.1 12.1
236 26.4 20.5 30.7

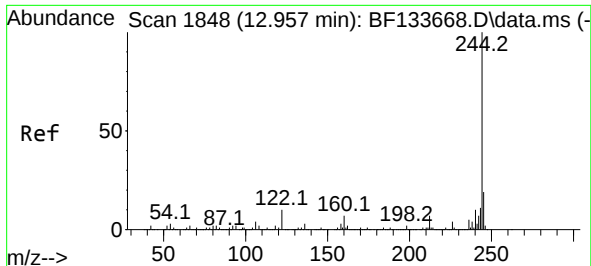


#78
Pyrene
Concen: 13.853 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF133882.D
Acq: 21 Jun 2023 21:10



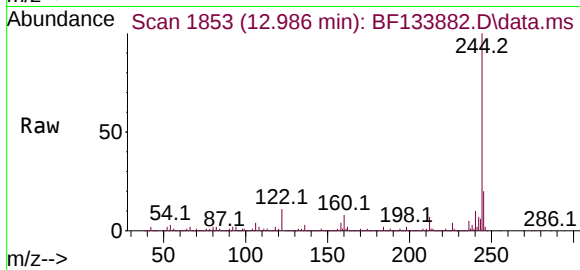
Tgt Ion:202 Resp: 268309
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 18.4 13.9 20.9



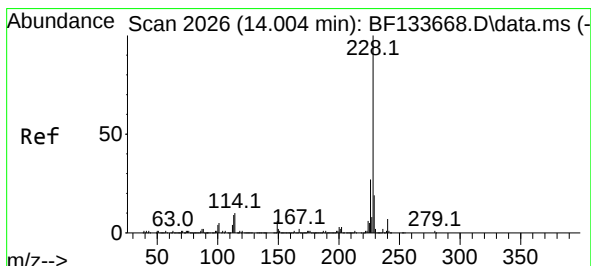
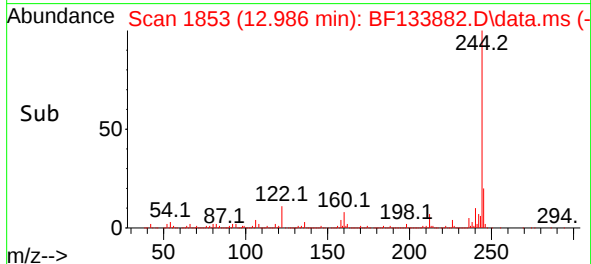
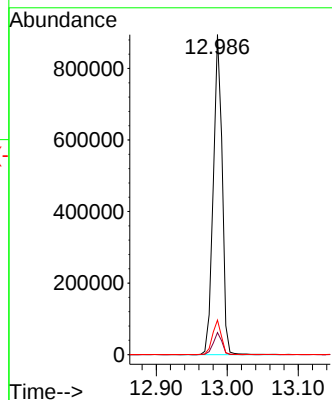


#79
 Terphenyl-d14
 Concen: 57.898 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133882.D
 Acq: 21 Jun 2023 21:10

Instrument :
 BNA_F
 ClientSampleId :

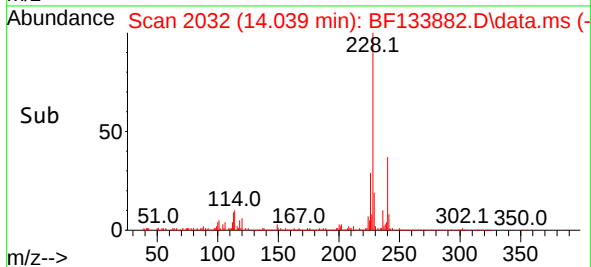
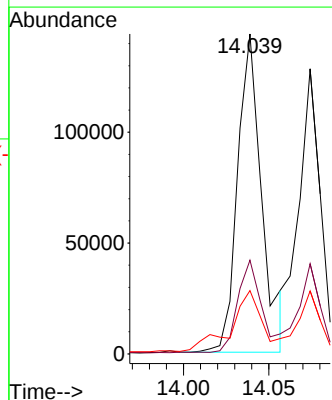
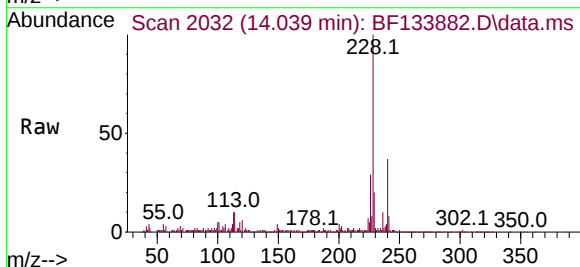


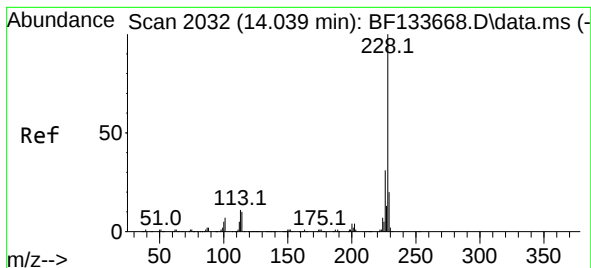
Tgt Ion:244 Resp: 777991
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.2
 122 10.8 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 9.844 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133882.D
 Acq: 21 Jun 2023 21:10

Tgt Ion:228 Resp: 141569
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.7 32.5
 229 19.8 15.4 23.2





#83

Chrysene

Concen: 8.349 ng

RT: 14.074 min Scan# 2032

Delta R.T. 0.000 min

Lab File: BF133882.D

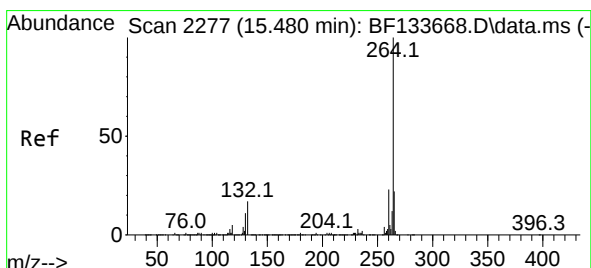
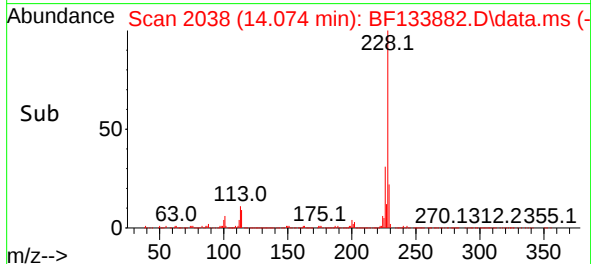
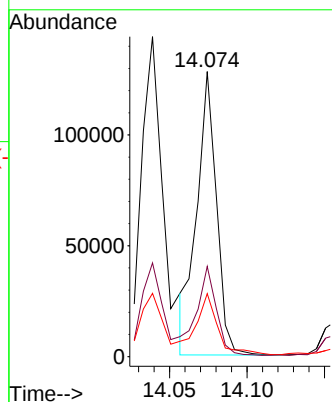
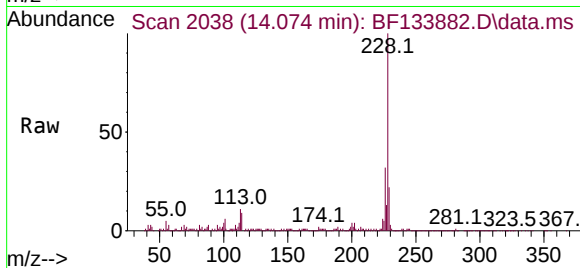
Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:228	Resp: 113573
Ion Ratio	Lower Upper
228	100
226	31.6 25.0 37.6
229	22.1 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

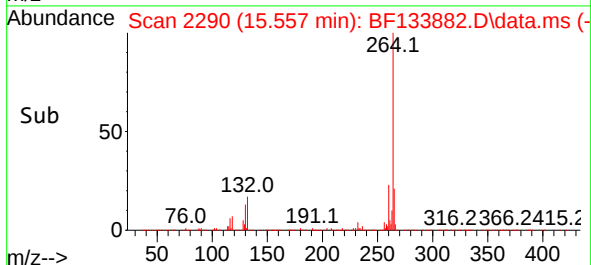
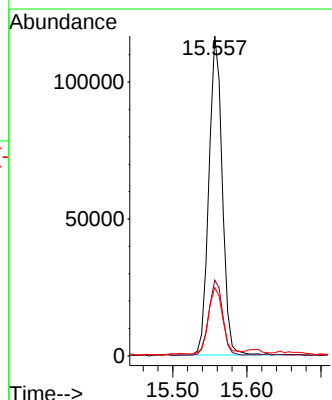
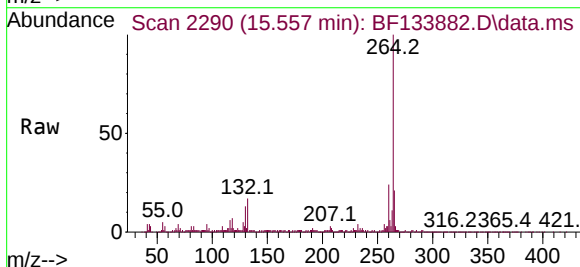
RT: 15.557 min Scan# 2290

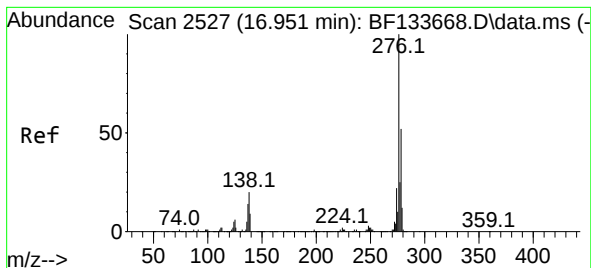
Delta R.T. 0.006 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Tgt Ion:264	Resp: 145831
Ion Ratio	Lower Upper
264	100
260	23.7 18.2 27.2
265	21.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.214 ng

RT: 17.103 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133882.D

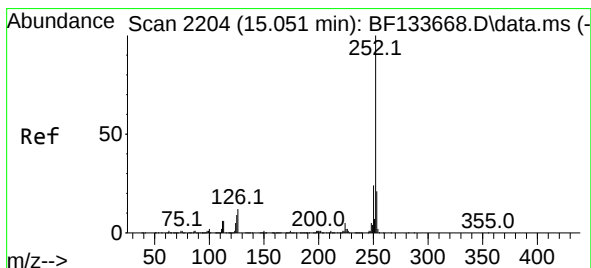
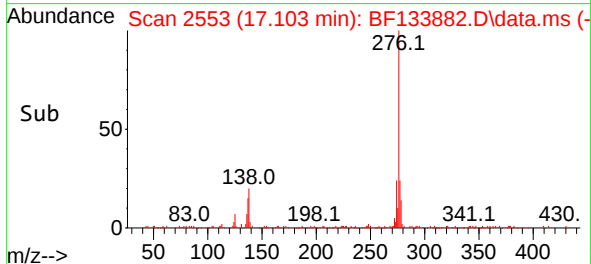
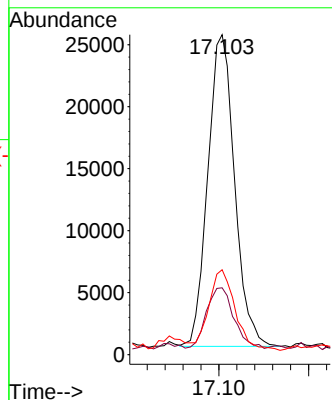
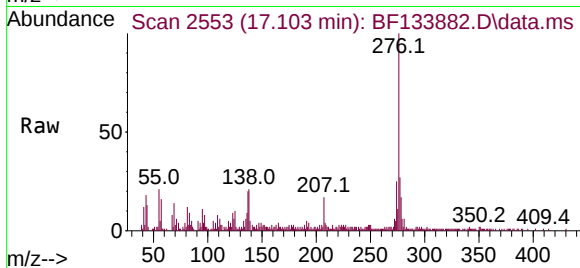
Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	276	Resp:	52311
Ion Ratio	Lower	Upper	
276	100		
138	19.9	17.9	26.9
277	25.5	20.3	30.5



#88

Benzo(b)fluoranthene

Concen: 18.453 ng

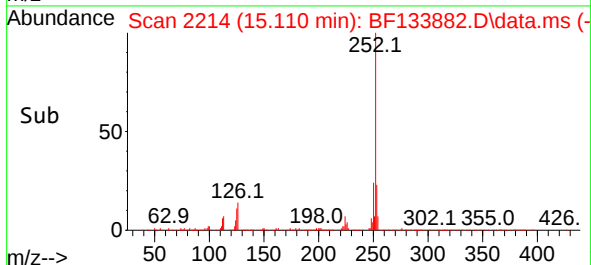
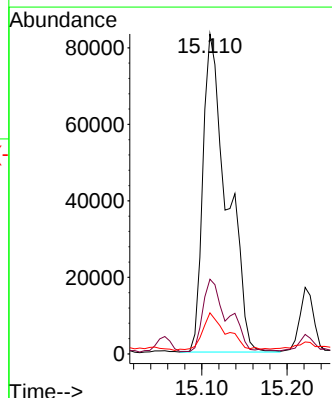
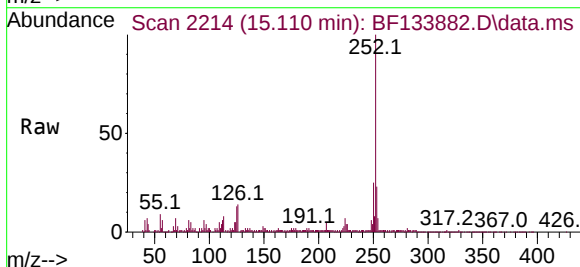
RT: 15.110 min Scan# 2214

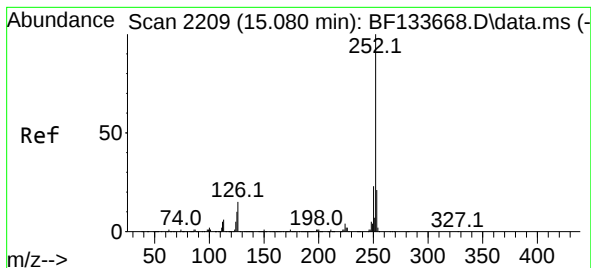
Delta R.T. 0.006 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Tgt Ion:	252	Resp:	163471
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	12.8	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 18.944 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.024 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :

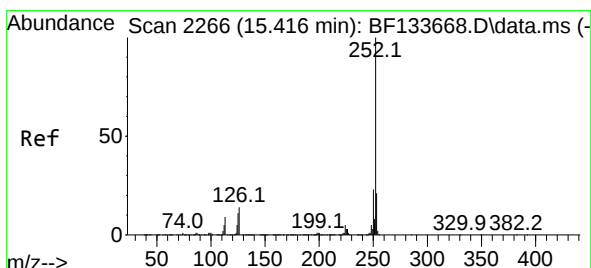
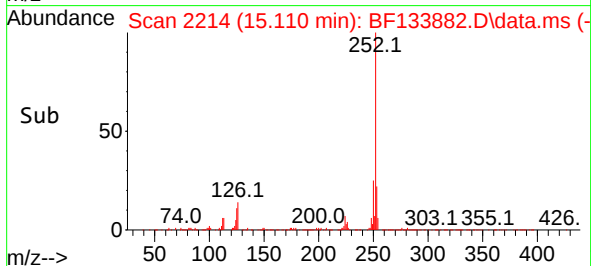
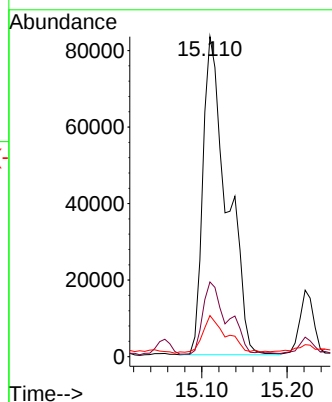
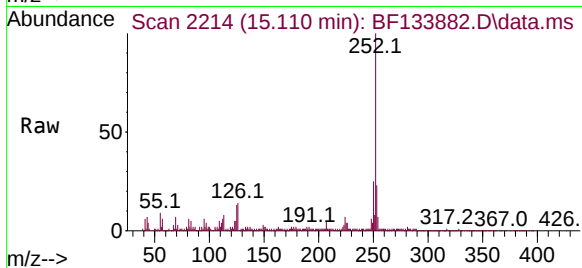
Tgt Ion:252 Resp: 163471

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 12.8 7.8 11.6#



#90

Benzo(a)pyrene

Concen: 9.925 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.006 min

Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

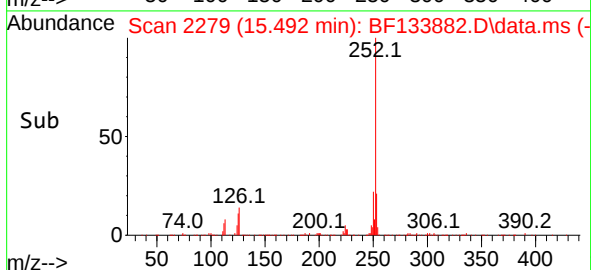
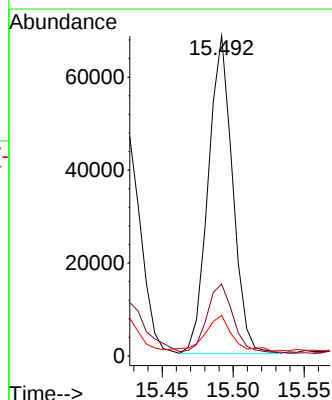
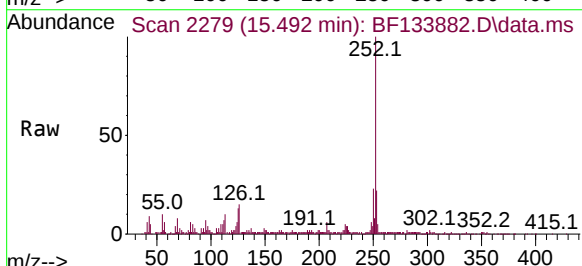
Tgt Ion:252 Resp: 81598

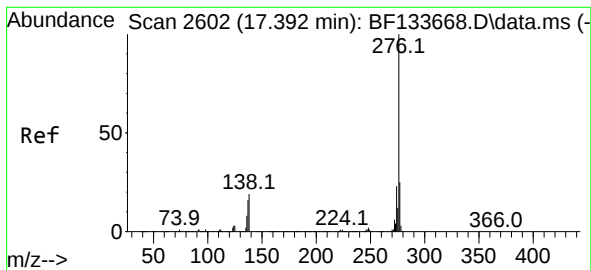
Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

125 12.6 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 6.206 ng

RT: 17.574 min Scan# 2602

Delta R.T. 0.000 min

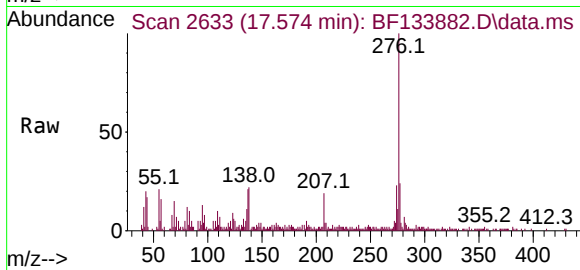
Lab File: BF133882.D

Acq: 21 Jun 2023 21:10

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 51108

Ion Ratio Lower Upper

276 100

277 23.6 19.8 29.8

138 21.6 15.0 22.4

