

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133884.D
 Acq On : 21 Jun 2023 22:15
 Operator : CG\JU
 Sample : 03297-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 22 06:01:33 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)

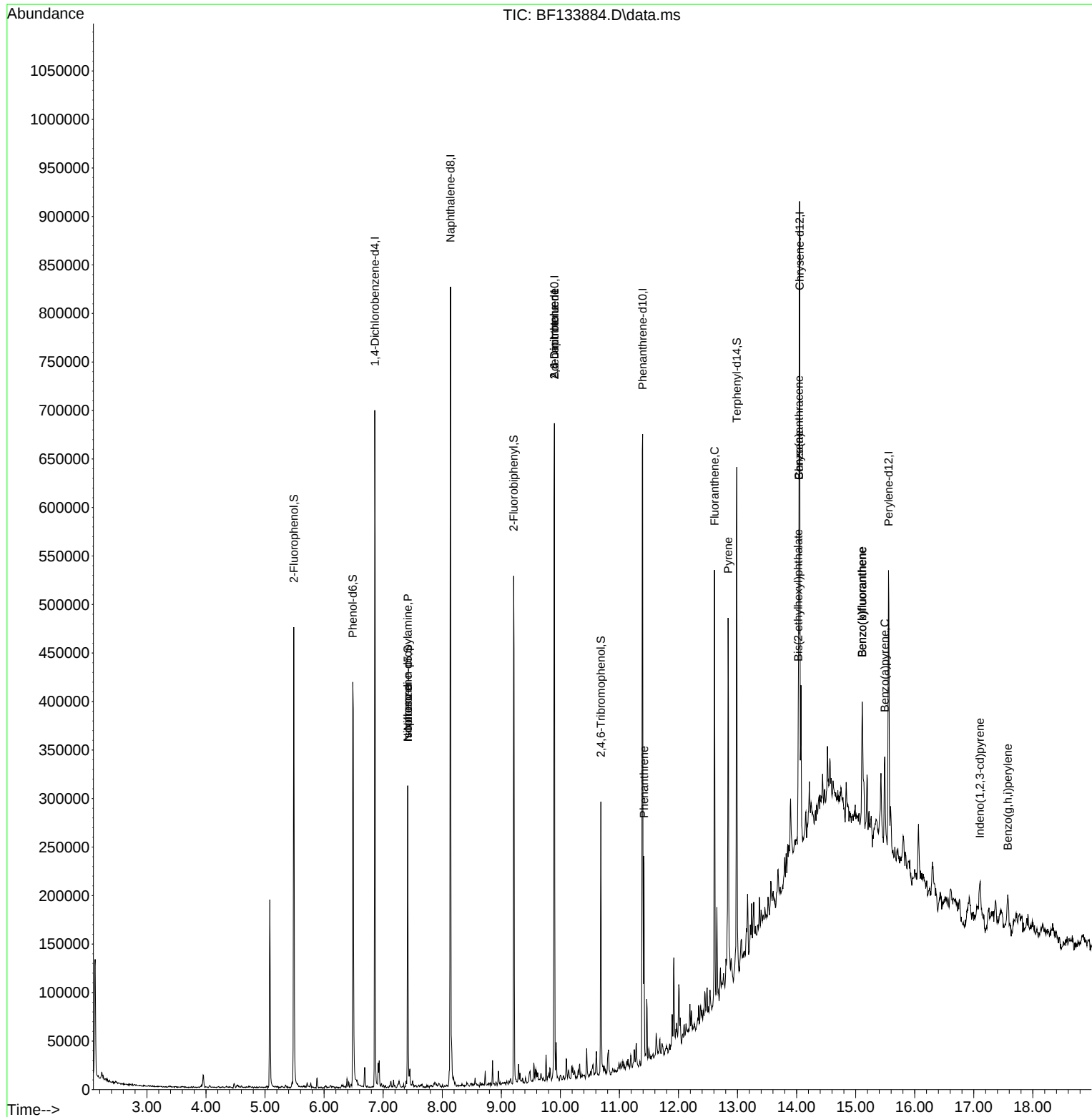
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	98004	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	335186	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	132209	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	254954	20.000	ng	0.00
76) Chrysene-d12	14.051	240	196285	20.000	ng	0.00
86) Perylene-d12	15.557	264	144050	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	121073	21.507	ng	0.00
7) Phenol-d6	6.487	99	139612	19.053	ng	0.00
23) Nitrobenzene-d5	7.416	82	85235	13.850	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	29775	17.792	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	156176	16.792	ng	0.00
79) Terphenyl-d14	12.986	244	174535	13.759	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	12373	2.654	ng	# 81
25) Isophorone	7.416	82	85247	7.545	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	17186	8.437	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	17186	6.634	ng	# 19
71) Phenanthrene	11.416	178	79594	6.153	ng	97
75) Fluoranthene	12.610	202	163339	11.891	ng	99
78) Pyrene	12.839	202	154241	8.436	ng	99
81) Benzo(a)anthracene	14.039	228	76152	5.609	ng	99
83) Chrysene	14.039	228	76152	5.930	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	31180	3.281	ng	99
87) Indeno(1,2,3-cd)pyrene	17.104	276	27313	2.756	ng	99
88) Benzo(b)fluoranthene	15.110	252	84693	9.679	ng	# 92
89) Benzo(k)fluoranthene	15.110	252	84713	9.938	ng	# 93
90) Benzo(a)pyrene	15.492	252	44079	5.428	ng	95
92) Benzo(g,h,i)perylene	17.574	276	28651	3.522	ng	# 86

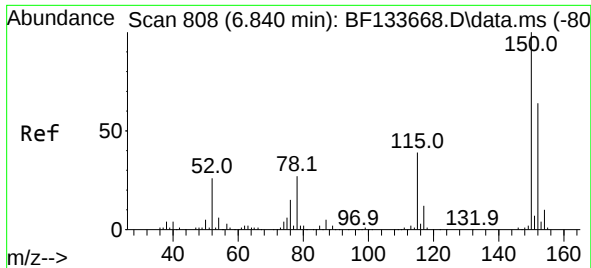
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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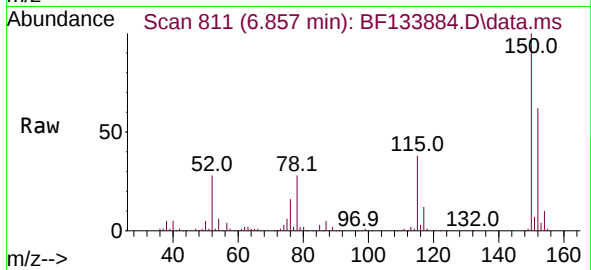
Quant Time: Jun 22 06:01:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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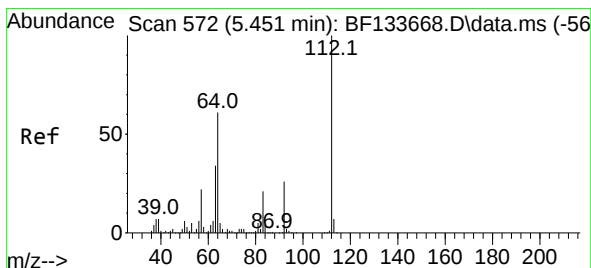
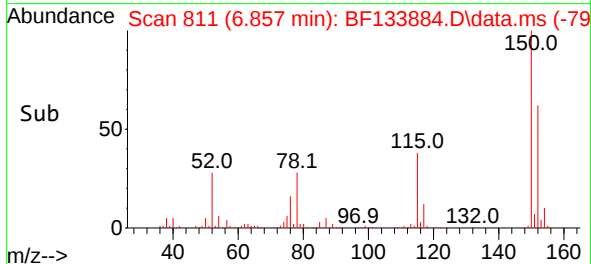
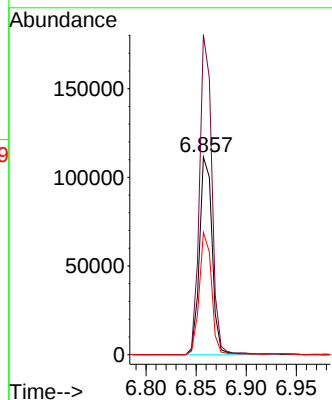


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

Instrument :
BNA_F
ClientSampleId :

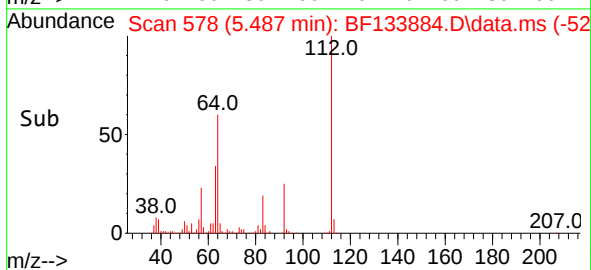
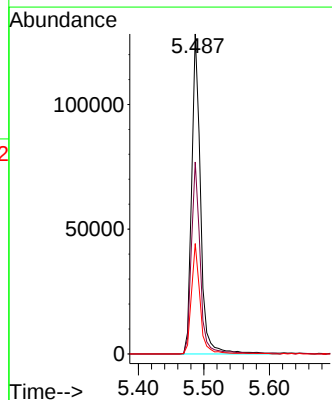
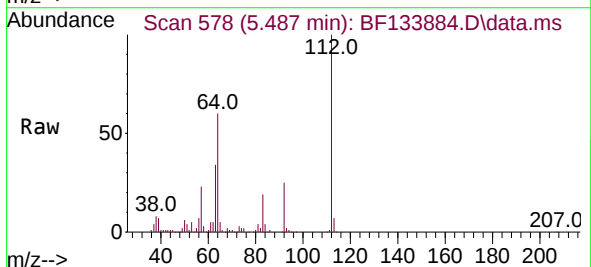


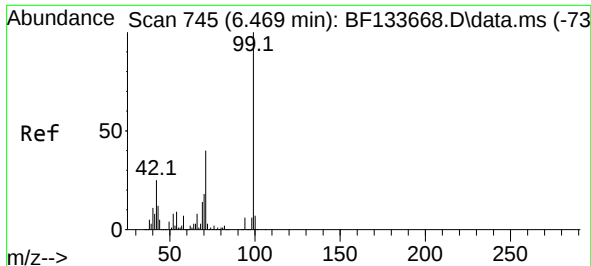
Tgt Ion:152 Resp: 98004
Ion Ratio Lower Upper
152 100
150 161.8 124.3 186.5
115 61.8 48.5 72.7



#5
2-Fluorophenol
Concen: 21.507 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

Tgt Ion:112 Resp: 121073
Ion Ratio Lower Upper
112 100
64 60.0 49.0 73.4
63 34.5 26.8 40.2

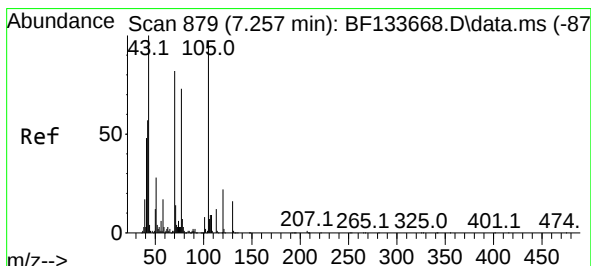
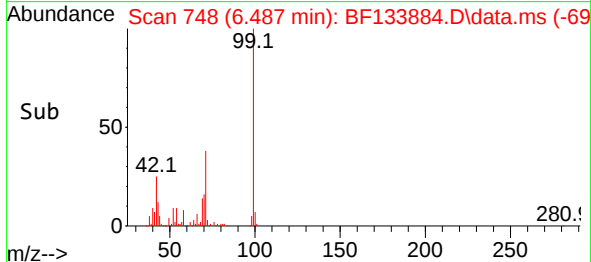
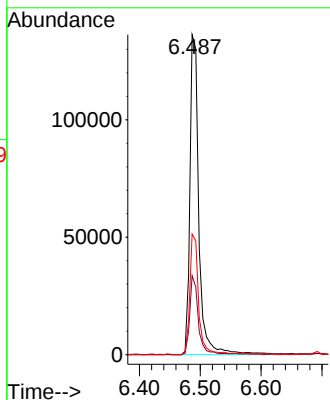
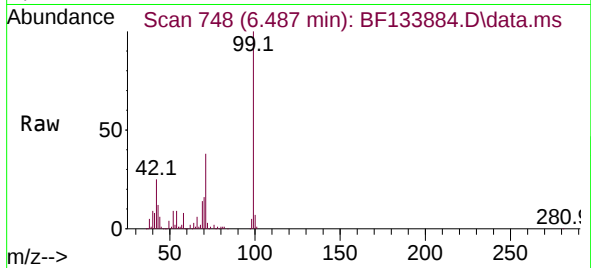




#7
Phenol-d6
Concen: 19.053 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

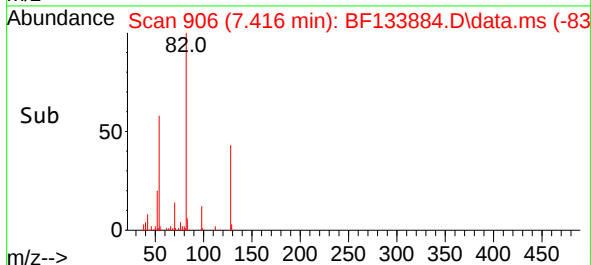
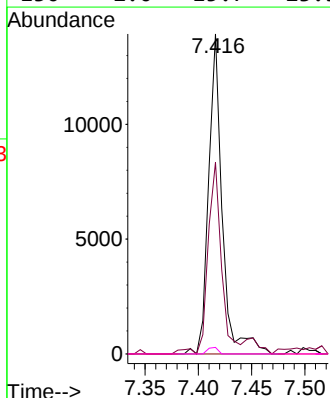
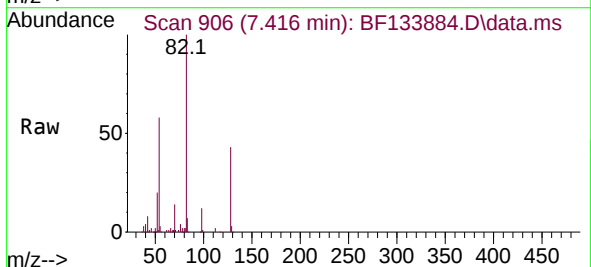
Instrument :
BNA_F
ClientSampleId :

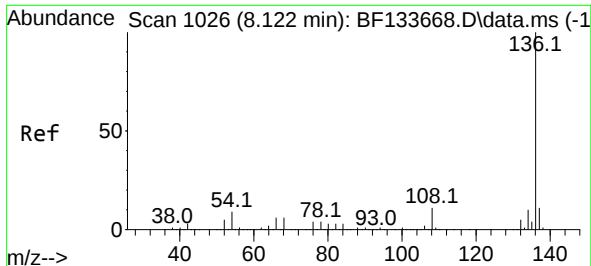
Tgt Ion: 99 Resp: 139612
Ion Ratio Lower Upper
99 100
42 24.7 19.9 29.9
71 37.7 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.654 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

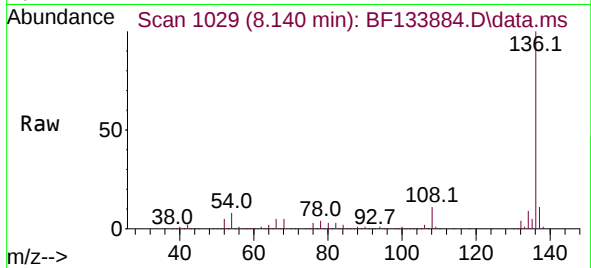
Tgt Ion: 70 Resp: 12373
Ion Ratio Lower Upper
70 100
42 59.9 55.8 83.8
101 0.0 8.1 12.1#
130 2.0 15.7 23.5#



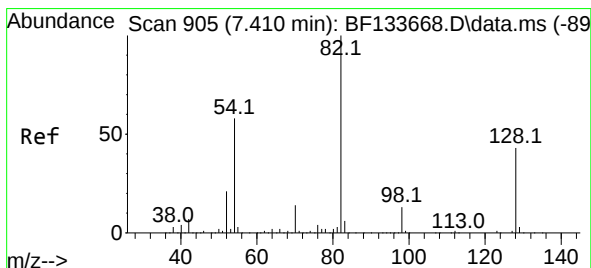
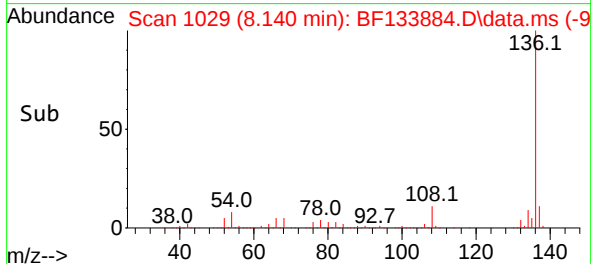
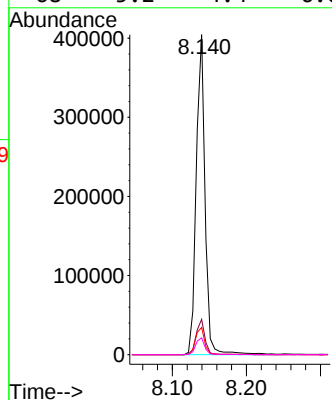


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

Instrument :
BNA_F
ClientSampleId :

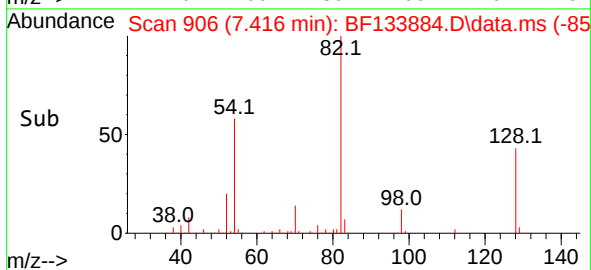
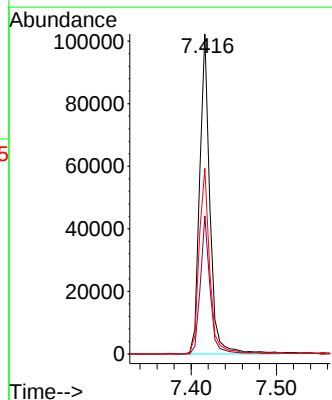
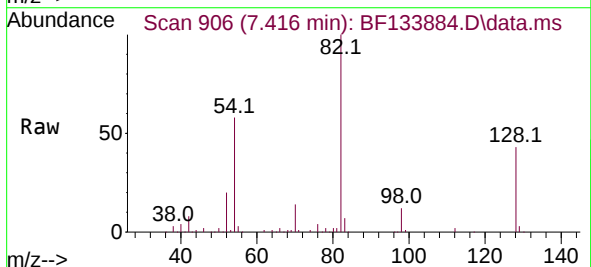


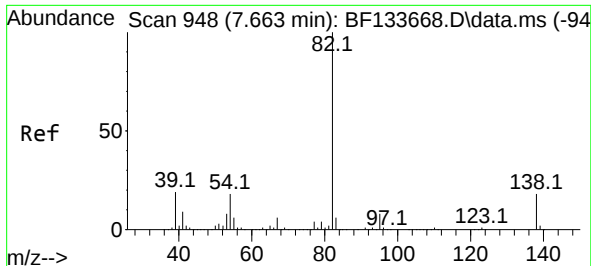
Tgt Ion:136 Resp: 335186
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.5 7.4 11.0
68 5.2 4.4 6.6



#23
Nitrobenzene-d5
Concen: 13.850 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

Tgt Ion: 82 Resp: 85235
Ion Ratio Lower Upper
82 100
128 43.1 34.2 51.2
54 58.0 46.5 69.7

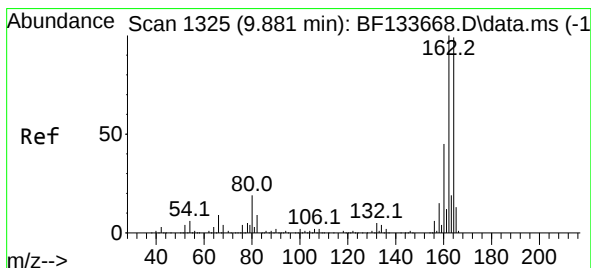
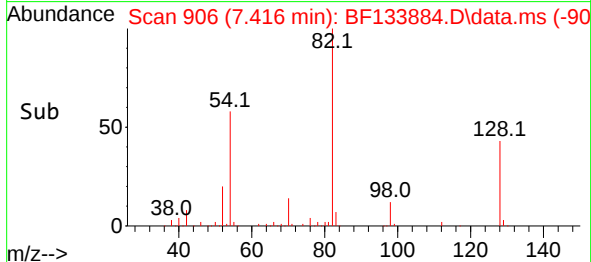
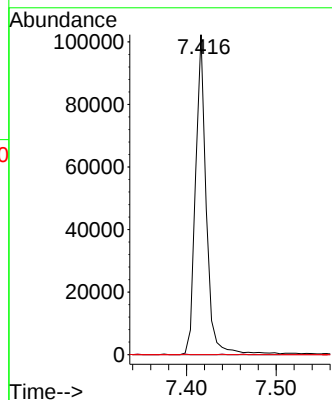
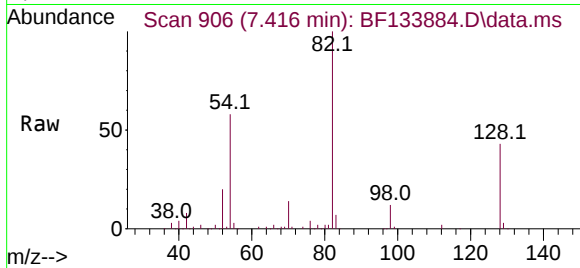




#25
Isophorone
Concen: 7.545 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

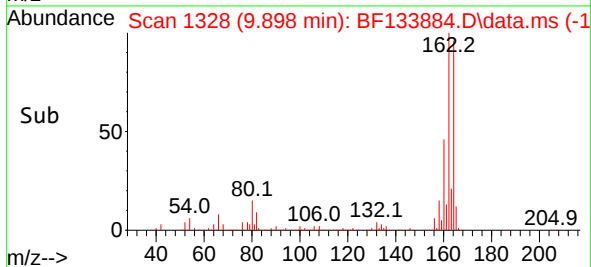
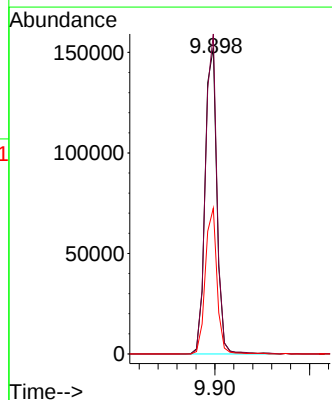
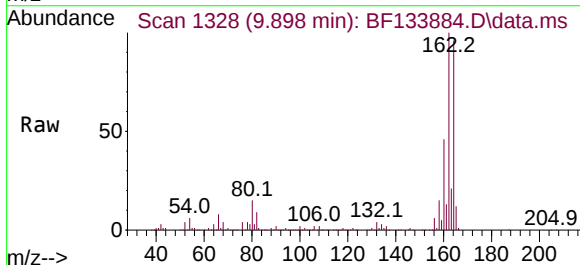
Instrument :
BNA_F
ClientSampleId :

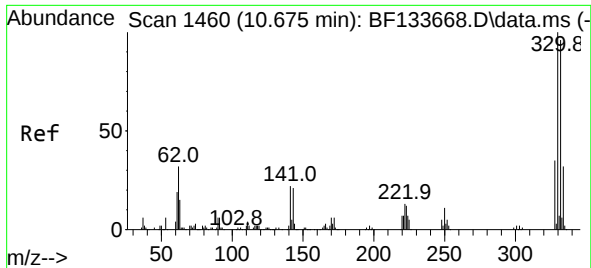
Tgt Ion: 82 Resp: 85247
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

Tgt Ion:164 Resp: 132209
Ion Ratio Lower Upper
164 100
162 104.5 80.8 121.2
160 47.6 36.7 55.1

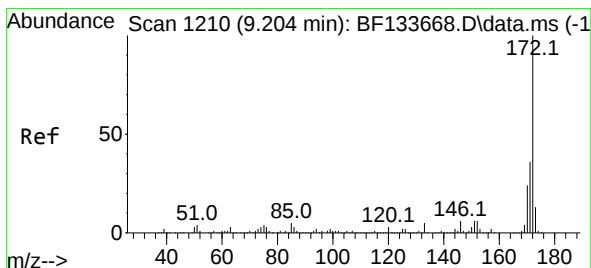
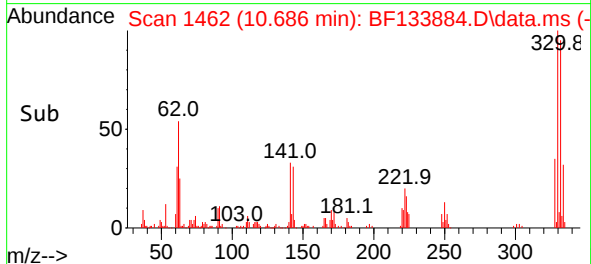
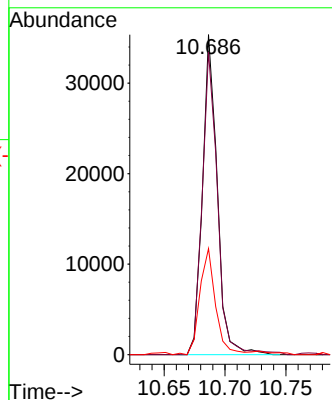
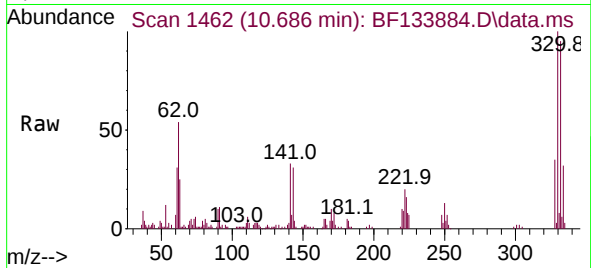




#42
2,4,6-Tribromophenol
Concen: 17.792 ng
RT: 10.686 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

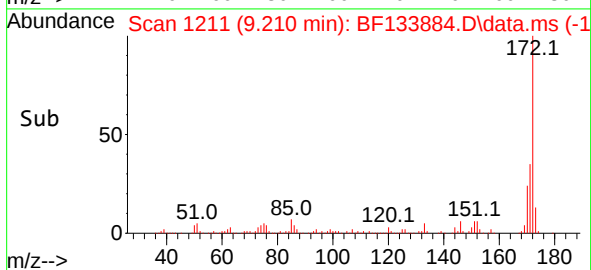
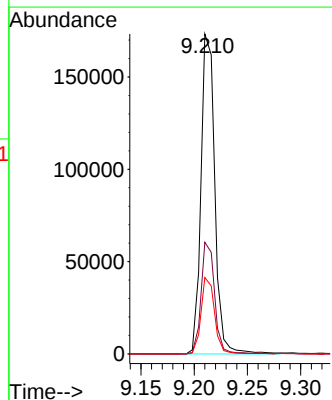
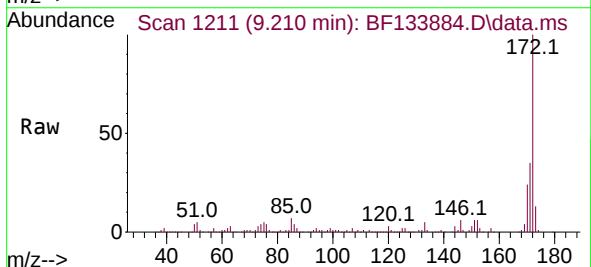
Instrument :
BNA_F
ClientSampleId :

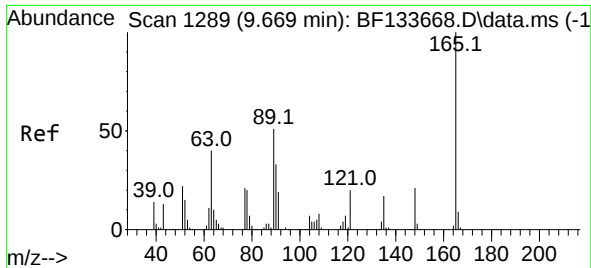
Tgt Ion:330 Resp: 29775
Ion Ratio Lower Upper
330 100
332 97.8 77.2 115.8
141 37.0 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 16.792 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

Tgt Ion:172 Resp: 156176
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.9 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.437 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.218 min

Lab File: BF133884.D

Acq: 21 Jun 2023 22:15

Instrument :

BNA_F

ClientSampleId :

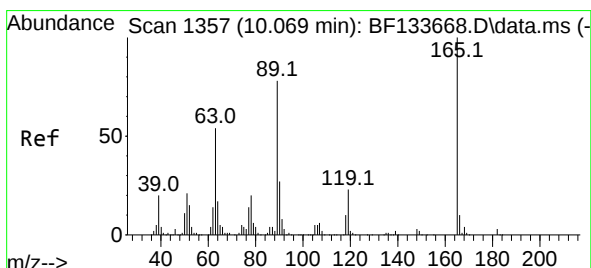
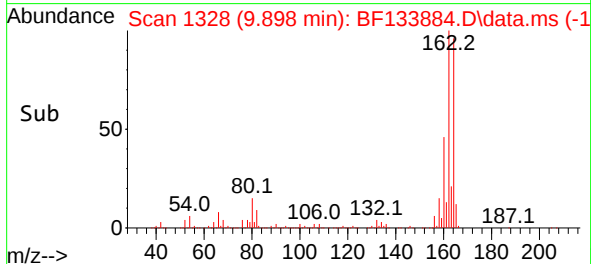
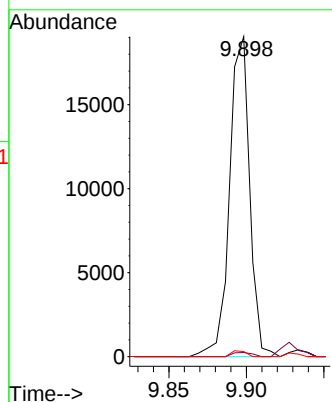
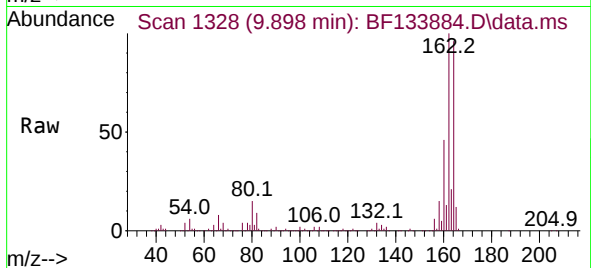
Tgt Ion:165 Resp: 17186

Ion Ratio Lower Upper

165 100

63 1.3 42.1 63.1#

89 1.6 40.9 61.3#



#57

2,4-Dinitrotoluene

Concen: 6.634 ng

RT: 9.898 min Scan# 1328

Delta R.T. -0.188 min

Lab File: BF133884.D

Acq: 21 Jun 2023 22:15

Tgt Ion:165 Resp: 17186

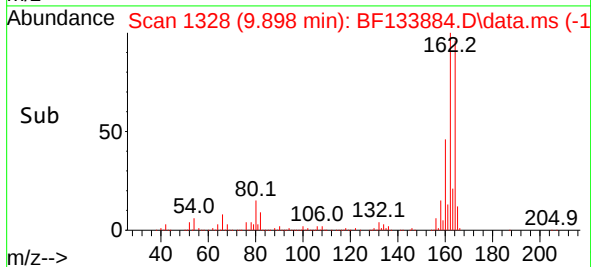
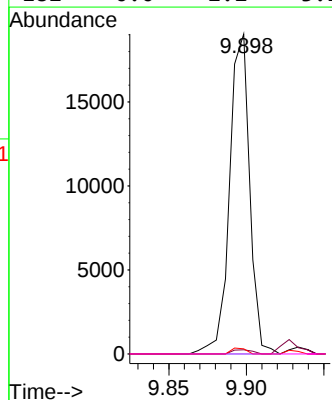
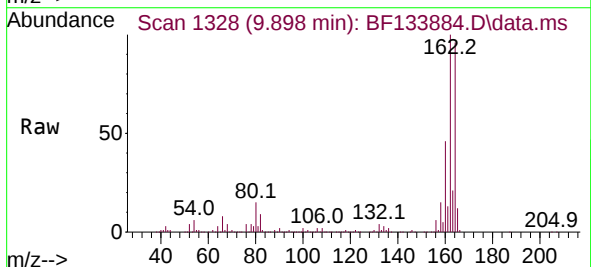
Ion Ratio Lower Upper

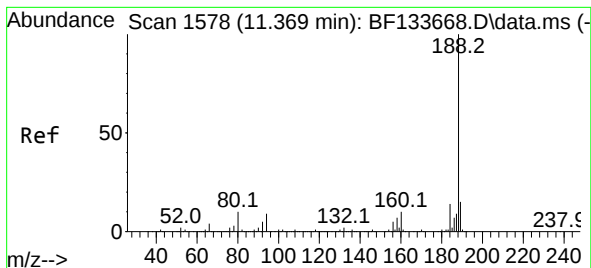
165 100

63 1.3 43.0 64.6#

89 1.6 62.6 93.8#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.006 min

Lab File: BF133884.D

Acq: 21 Jun 2023 22:15

Instrument :

BNA_F

ClientSampleId :

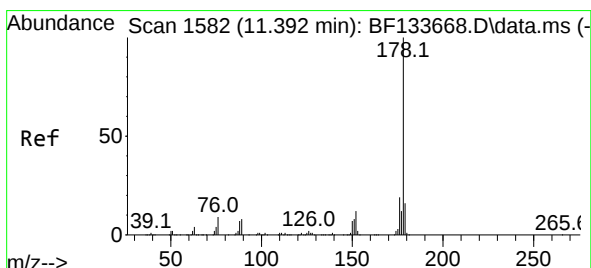
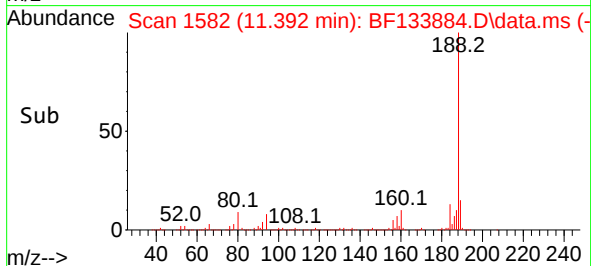
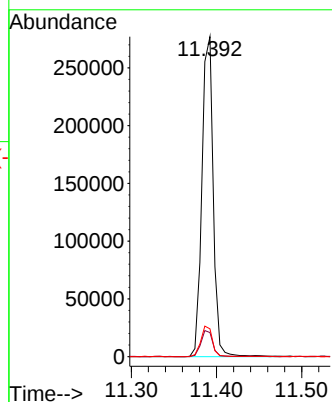
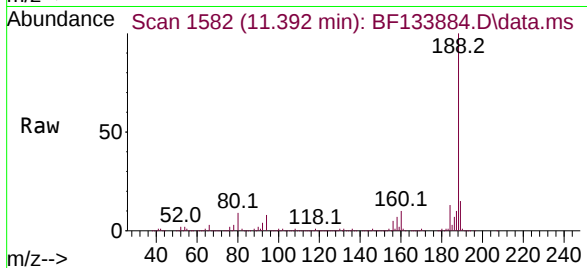
Tgt Ion:188 Resp: 254954

Ion Ratio Lower Upper

188 100

94 7.5 6.8 10.2

80 8.7 7.8 11.6



#71

Phenanthrene

Concen: 6.153 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF133884.D

Acq: 21 Jun 2023 22:15

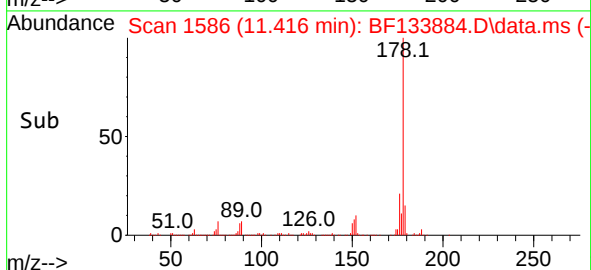
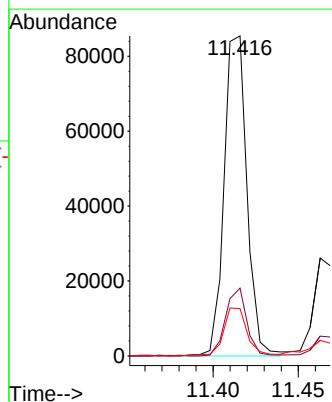
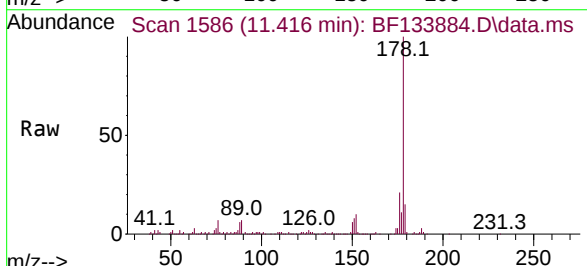
Tgt Ion:178 Resp: 79594

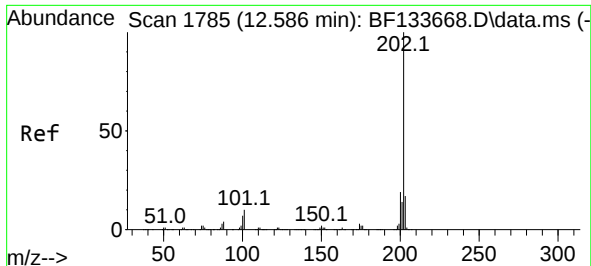
Ion Ratio Lower Upper

178 100

176 21.2 15.6 23.4

179 14.8 12.4 18.6

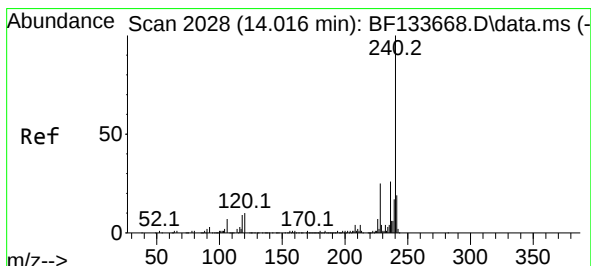
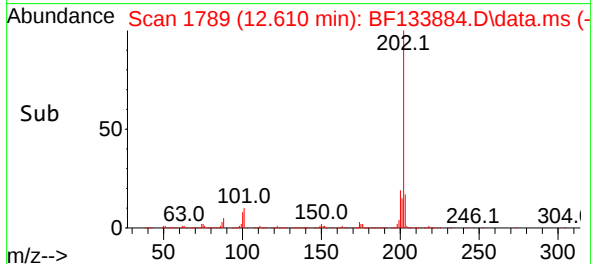
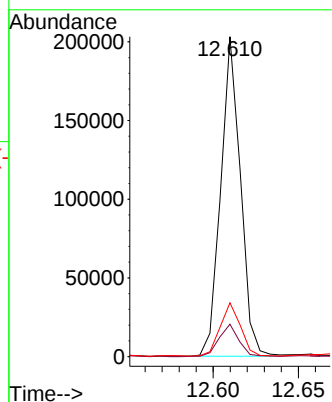
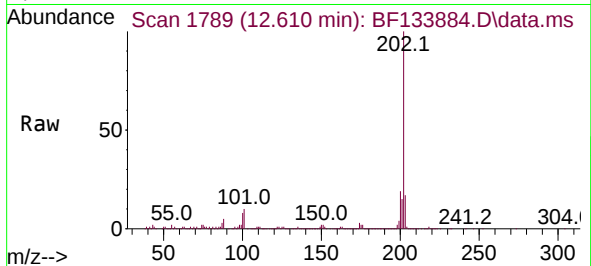




#75
Fluoranthene
Concen: 11.891 ng
RT: 12.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

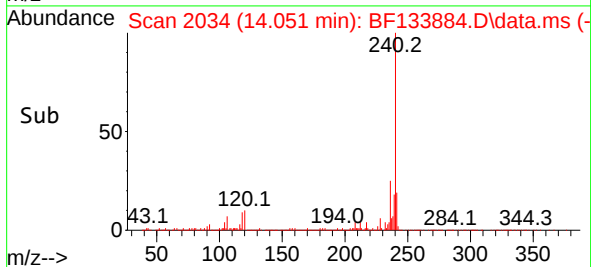
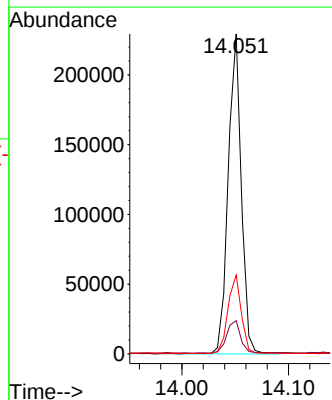
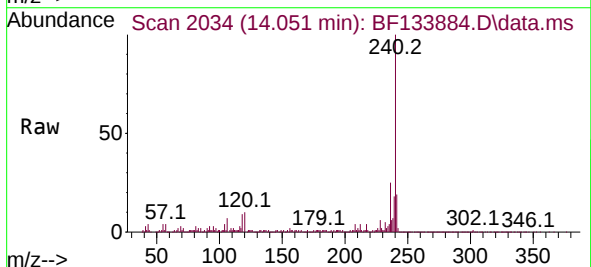
Instrument :
BNA_F
ClientSampleId :

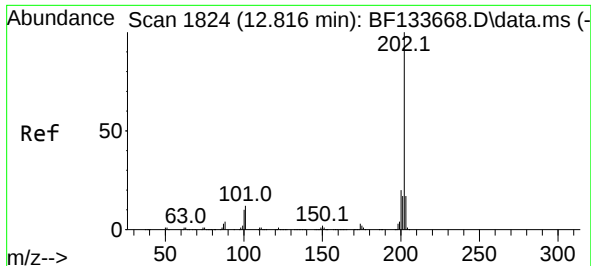
Tgt Ion:202 Resp: 163339
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.6
203 16.8 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

Tgt Ion:240 Resp: 196285
Ion Ratio Lower Upper
240 100
120 10.4 8.1 12.1
236 24.6 20.5 30.7

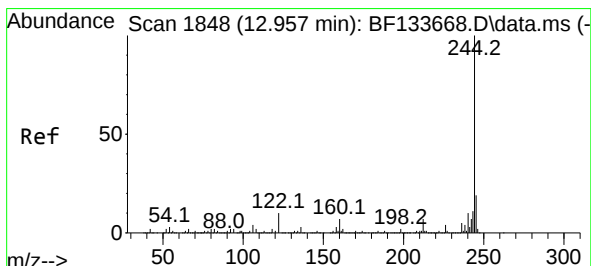
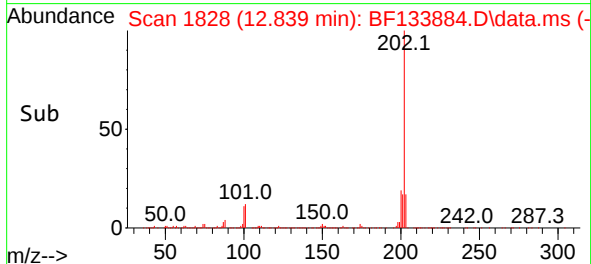
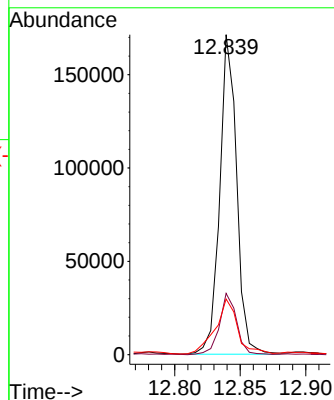
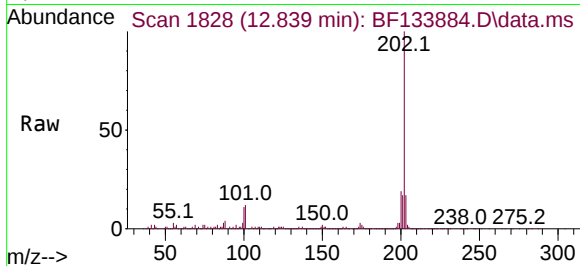




#78
 Pyrene
 Concen: 8.436 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. 0.000 min
 Lab File: BF133884.D
 Acq: 21 Jun 2023 22:15

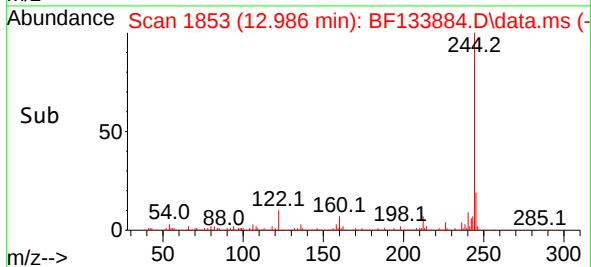
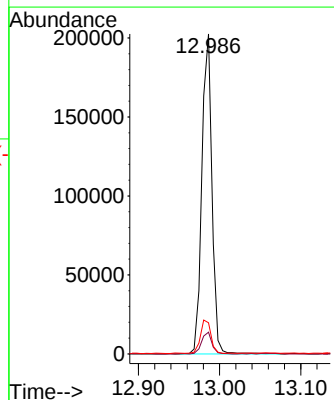
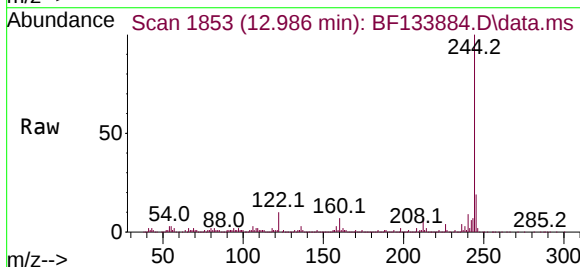
Instrument :
 BNA_F
 ClientSampleId :

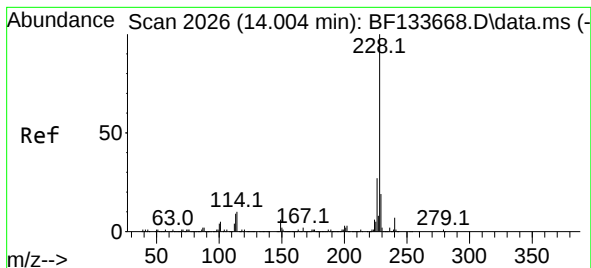
Tgt Ion:202 Resp: 154241
 Ion Ratio Lower Upper
 202 100
 200 19.1 16.2 24.2
 203 17.4 13.9 20.9



#79
 Terphenyl-d14
 Concen: 13.759 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: BF133884.D
 Acq: 21 Jun 2023 22:15

Tgt Ion:244 Resp: 174535
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 9.7 8.1 12.1





#81

Benzo(a)anthracene

Concen: 5.609 ng

RT: 14.039 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF133884.D

Acq: 21 Jun 2023 22:15

Instrument :

BNA_F

ClientSampleId :

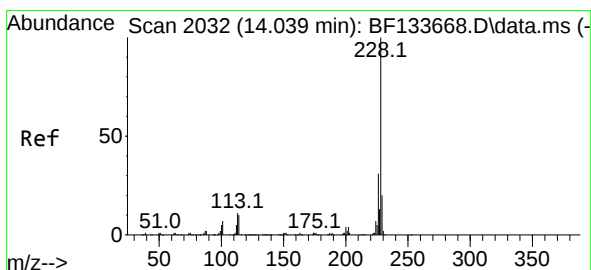
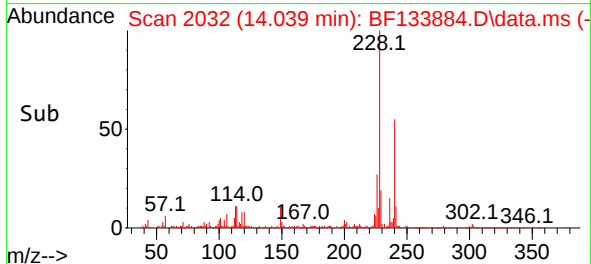
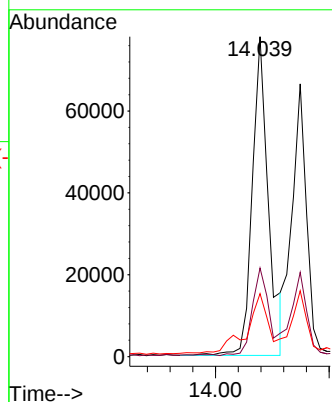
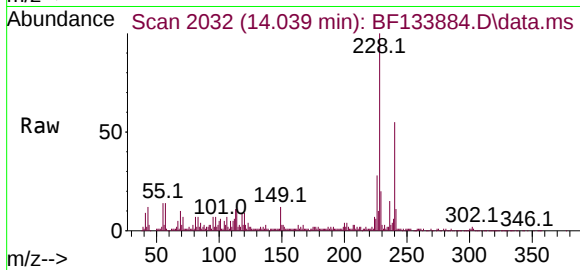
Tgt Ion:228 Resp: 76152

Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

229 19.7 15.4 23.2



#83

Chrysene

Concen: 5.930 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.035 min

Lab File: BF133884.D

Acq: 21 Jun 2023 22:15

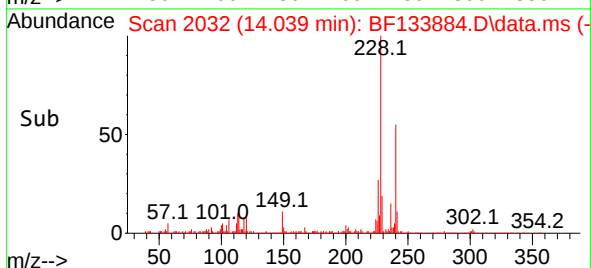
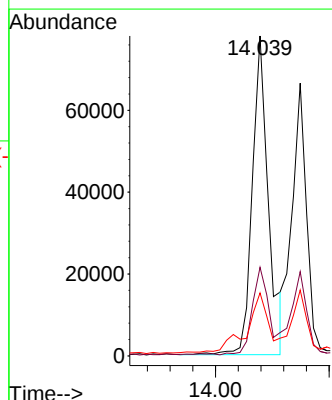
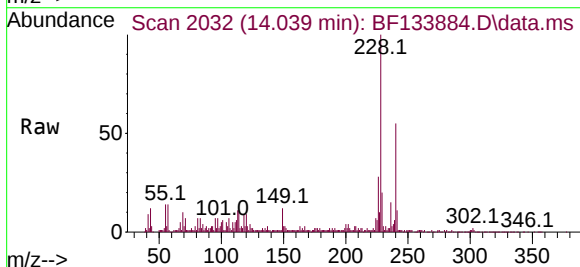
Tgt Ion:228 Resp: 76152

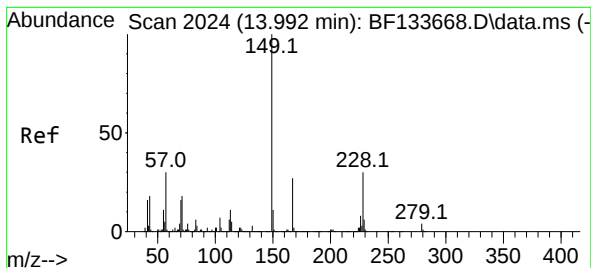
Ion Ratio Lower Upper

228 100

226 27.7 25.0 37.6

229 19.7 15.8 23.8

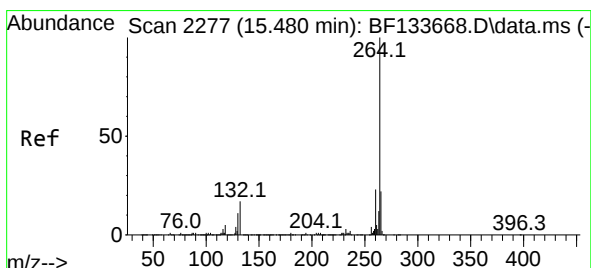
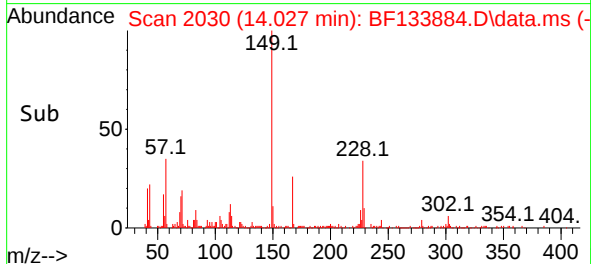
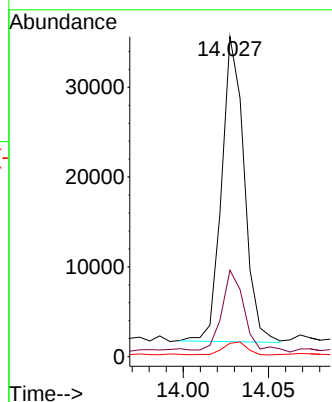
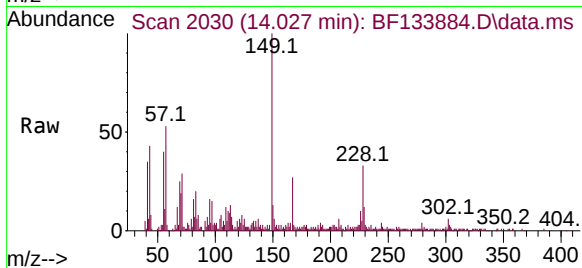




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.281 ng
 RT: 14.027 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: BF133884.D
 Acq: 21 Jun 2023 22:15

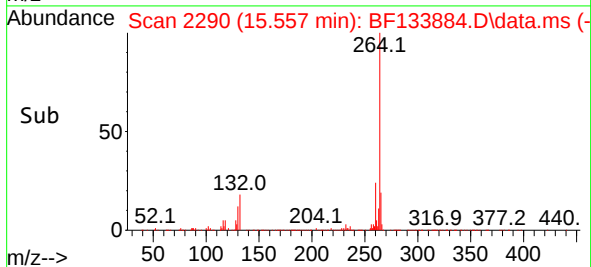
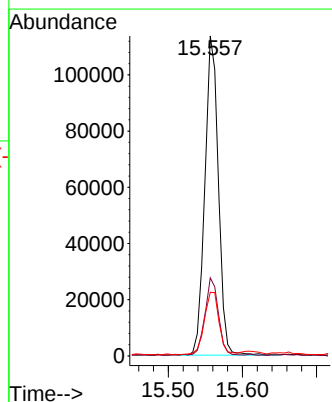
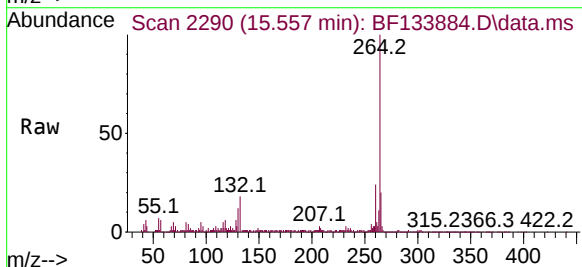
Instrument :
 BNA_F
 ClientSampleId :

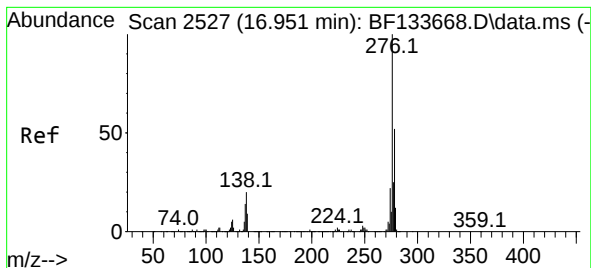
Tgt Ion:149 Resp: 31180
 Ion Ratio Lower Upper
 149 100
 167 27.0 21.8 32.8
 279 4.2 3.3 4.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2290
 Delta R.T. 0.006 min
 Lab File: BF133884.D
 Acq: 21 Jun 2023 22:15

Tgt Ion:264 Resp: 144050
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.2 27.2
 265 19.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.756 ng

RT: 17.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133884.D

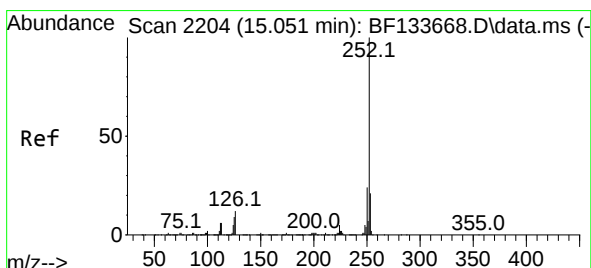
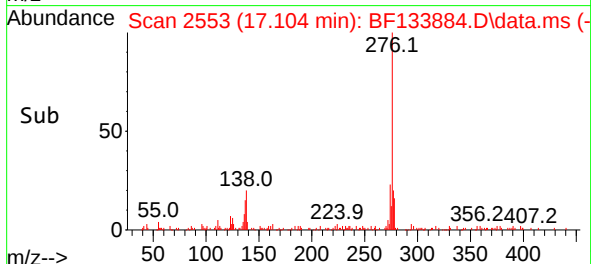
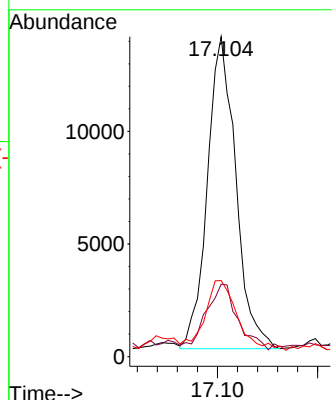
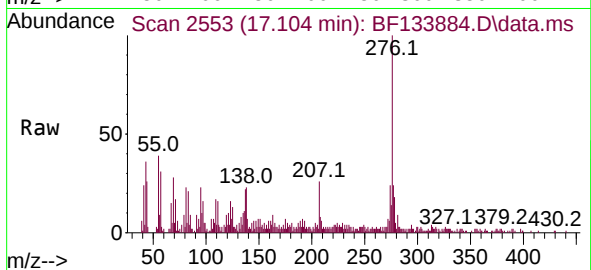
Acq: 21 Jun 2023 22:15

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:276	Resp:	27313
Ion Ratio	Lower	Upper
276	100	
138	23.3	17.9 26.9
277	25.5	20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 9.679 ng

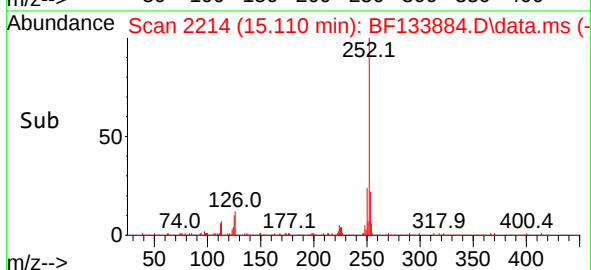
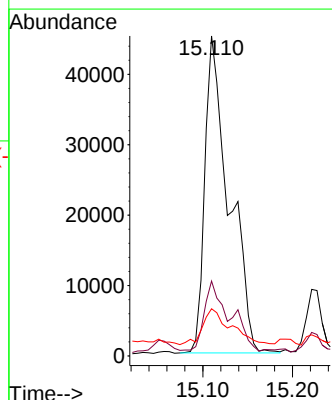
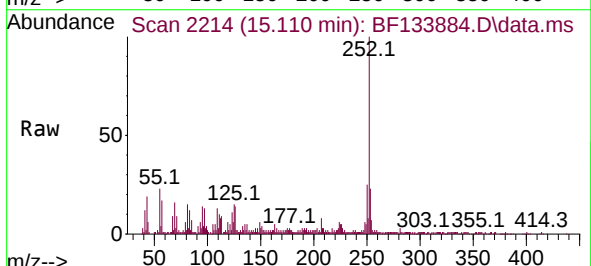
RT: 15.110 min Scan# 2214

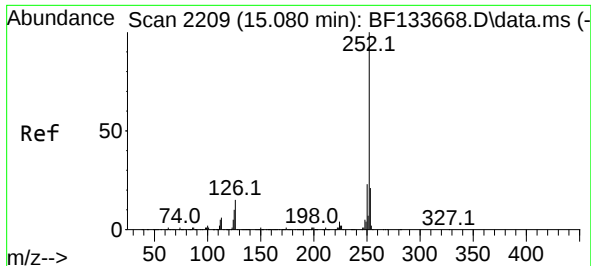
Delta R.T. 0.006 min

Lab File: BF133884.D

Acq: 21 Jun 2023 22:15

Tgt Ion:252	Resp:	84693
Ion Ratio	Lower	Upper
252	100	
253	23.4	17.0 25.6
125	14.7	7.3 10.9

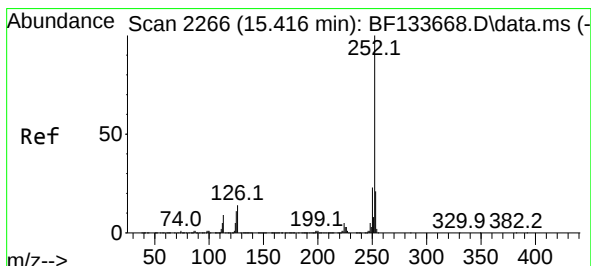
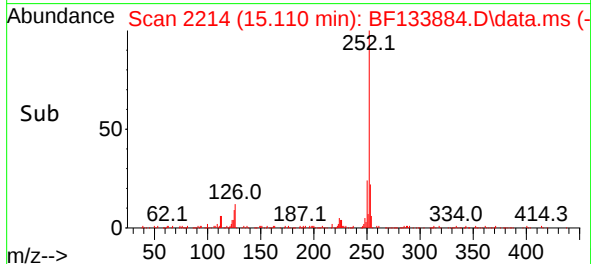
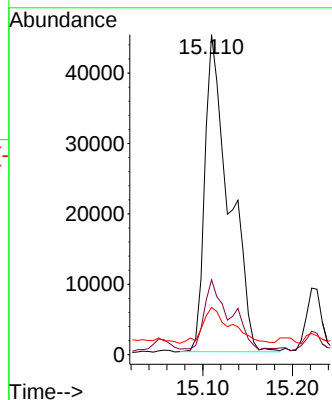
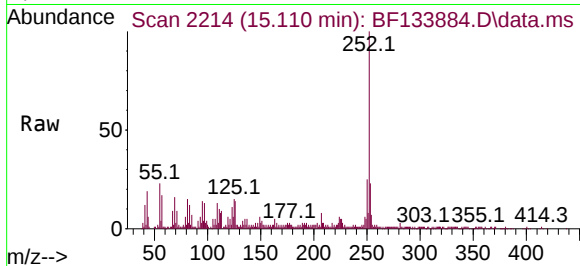




#89
Benzo(k)fluoranthene
Concen: 9.938 ng
RT: 15.110 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

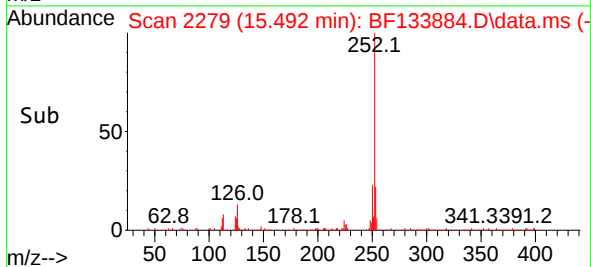
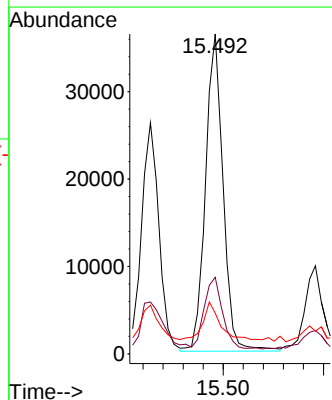
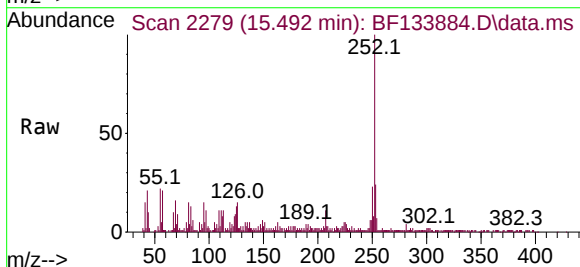
Instrument :
BNA_F
ClientSampleId :

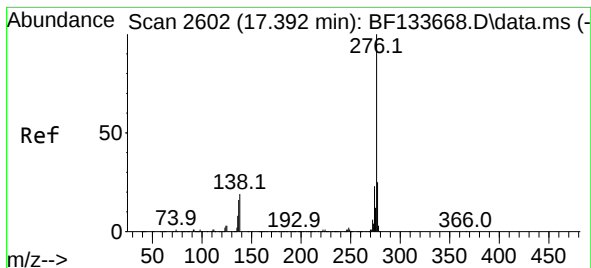
Tgt Ion:252 Resp: 84713
Ion Ratio Lower Upper
252 100
253 23.4 17.0 25.4
125 14.7 7.8 11.6#



#90
Benzo(a)pyrene
Concen: 5.428 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF133884.D
Acq: 21 Jun 2023 22:15

Tgt Ion:252 Resp: 44079
Ion Ratio Lower Upper
252 100
253 23.9 17.1 25.7
125 12.7 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 3.522 ng

RT: 17.574 min Scan# 20

Delta R.T. 0.000 min

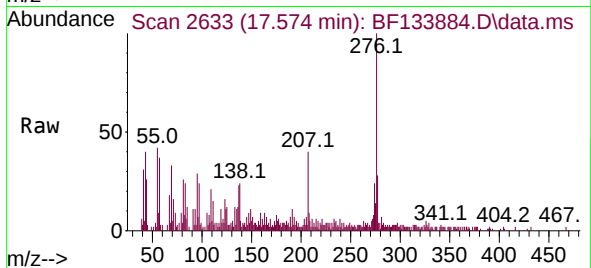
Lab File: BF133884.D

Acq: 21 Jun 2023 22:15

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 28651

Ion Ratio Lower Upper

276 100

277 28.5 19.8 29.8

138 29.1 15.0 22.4#

