

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062123\
 Data File : BF133874.D
 Acq On : 21 Jun 2023 16:52
 Operator : CG\JU
 Sample : 03296-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 18:05:09 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)

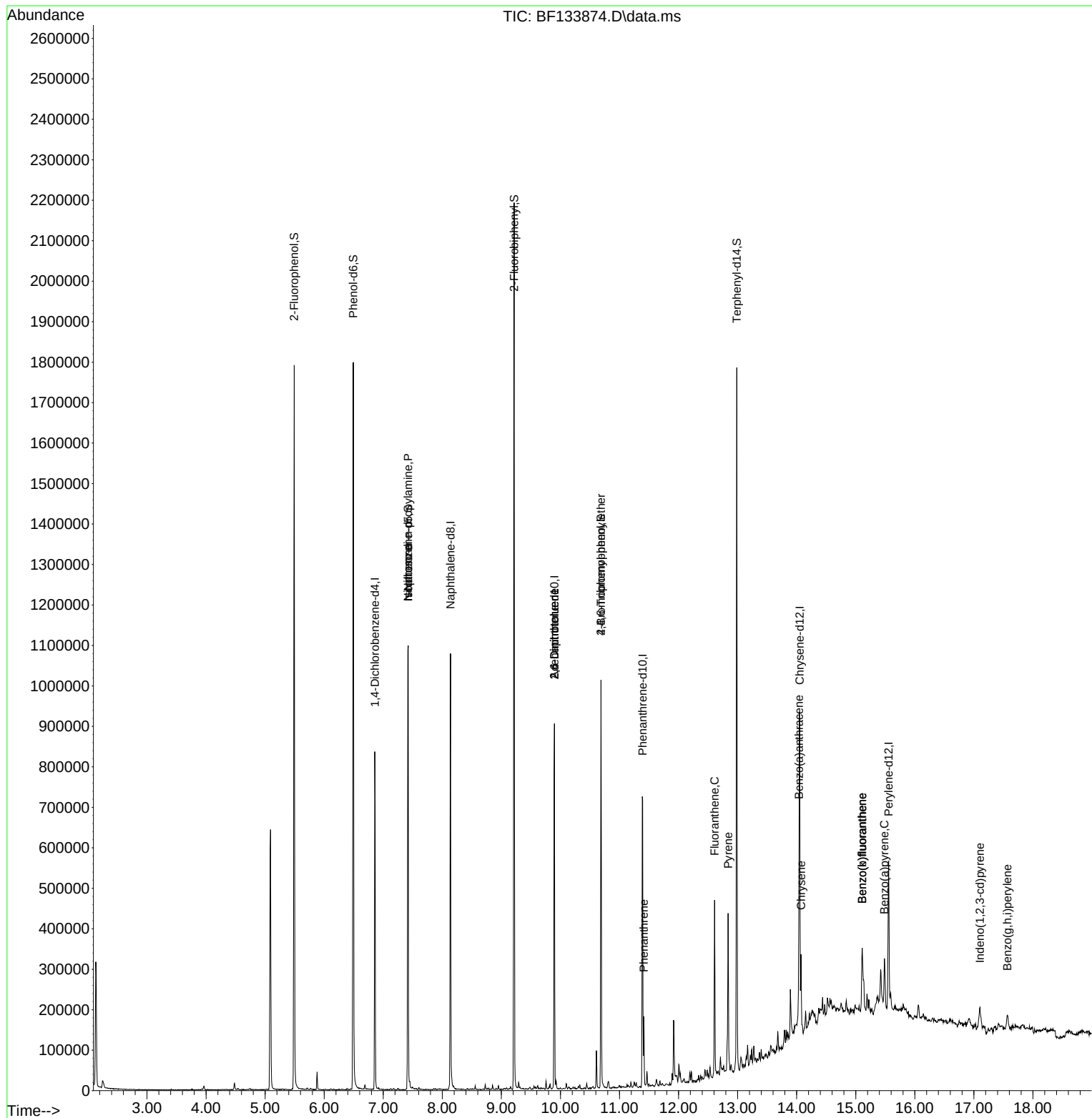
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	119706	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	428356	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	171791	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	278919	20.000	ng	0.00
76) Chrysene-d12	14.051	240	239854	20.000	ng	0.00
86) Perylene-d12	15.556	264	176299	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	433303	63.016	ng	0.00
7) Phenol-d6	6.492	99	527177	58.900	ng	0.00
23) Nitrobenzene-d5	7.422	82	344451	43.798	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	105578	48.551	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	616225	50.991	ng	0.00
79) Terphenyl-d14	12.986	244	543316	35.050	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	47582	8.356	ng	# 77
25) Isophorone	7.422	82	344493	23.860	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	22452	8.483	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	22452	6.670	ng	# 19
67) 4-Bromophenyl-phenylether	10.686	248	6459	2.075	ng	# 1
71) Phenanthrene	11.410	178	59557	4.209	ng	99
75) Fluoranthene	12.610	202	164307	10.934	ng	99
78) Pyrene	12.839	202	155419	6.956	ng	98
81) Benzo(a)anthracene	14.039	228	86611	5.220	ng	96
83) Chrysene	14.074	228	80647	5.139	ng	98
87) Indeno(1,2,3-cd)pyrene	17.103	276	32970	2.718	ng	96
88) Benzo(b)fluoranthene	15.109	252	117211	10.945	ng	# 95
89) Benzo(k)fluoranthene	15.109	252	117211	11.235	ng	# 95
90) Benzo(a)pyrene	15.486	252	57449	5.780	ng	# 92
92) Benzo(g,h,i)perylene	17.568	276	32177	3.232	ng	# 92

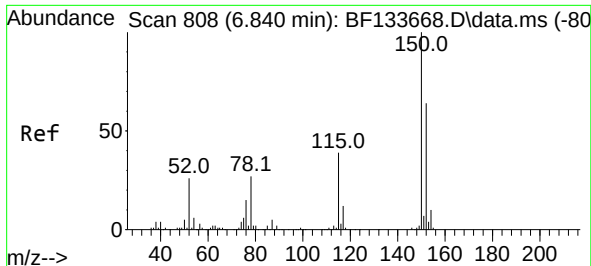
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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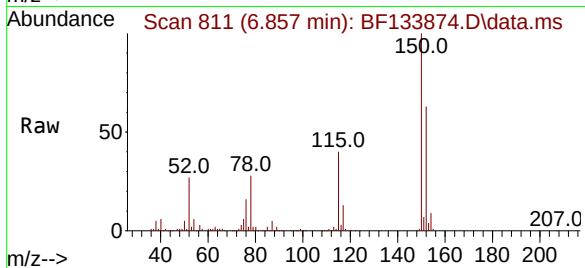
Quant Time: Jun 21 18:05:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 13:43:46 2023
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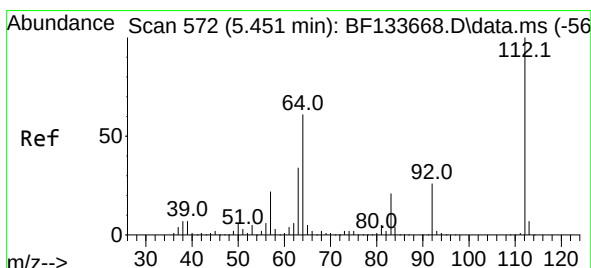
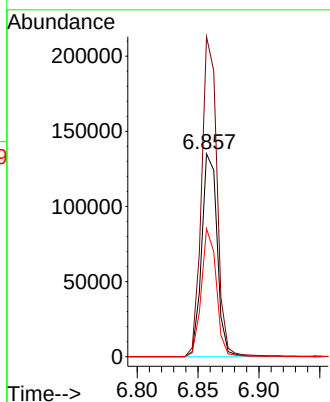
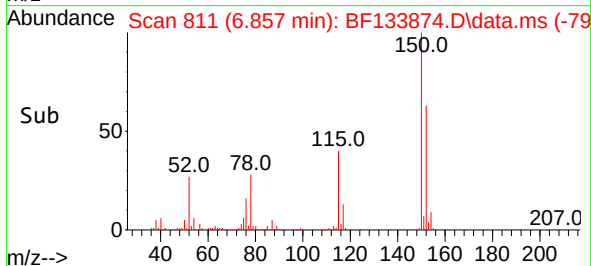


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.857 min Scan# 811
 Delta R.T. -0.000 min
 Lab File: BF133874.D
 Acq: 21 Jun 2023 16:52

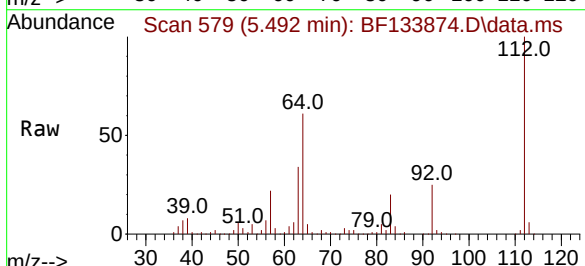
Instrument :
 BNA_F
 ClientSampleId :



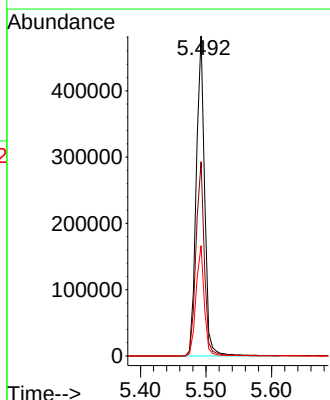
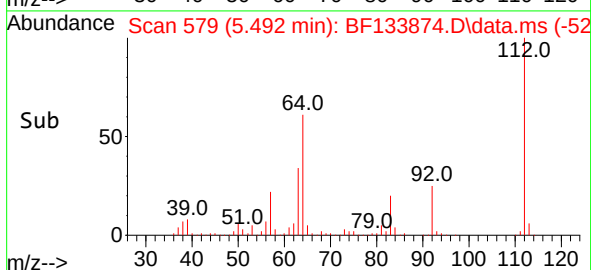
Tgt Ion:152 Resp: 119706
 Ion Ratio Lower Upper
 152 100
 150 157.7 124.3 186.5
 115 63.2 48.5 72.7

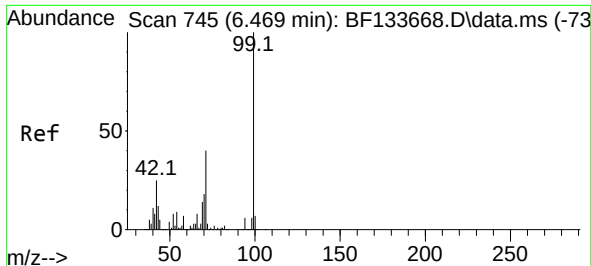


#5
 2-Fluorophenol
 Concen: 63.016 ng
 RT: 5.492 min Scan# 579
 Delta R.T. 0.006 min
 Lab File: BF133874.D
 Acq: 21 Jun 2023 16:52



Tgt Ion:112 Resp: 433303
 Ion Ratio Lower Upper
 112 100
 64 60.7 49.0 73.4
 63 34.5 26.8 40.2

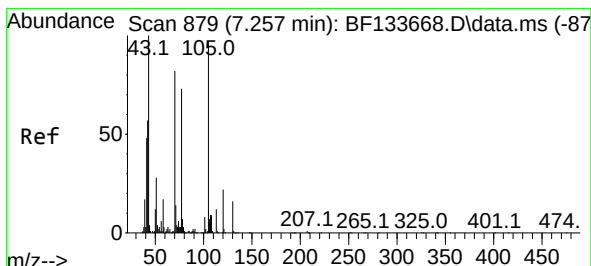
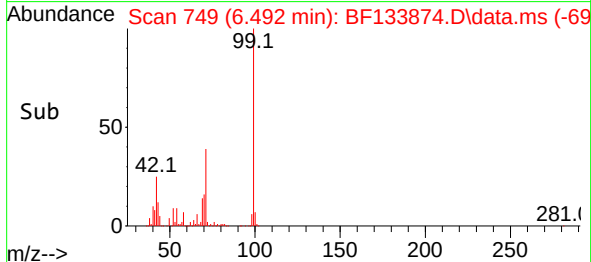
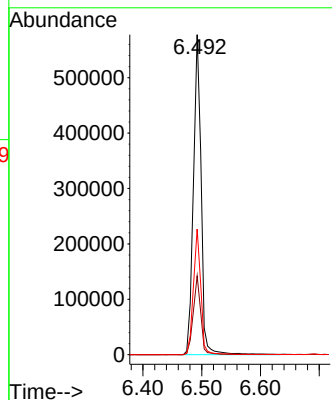
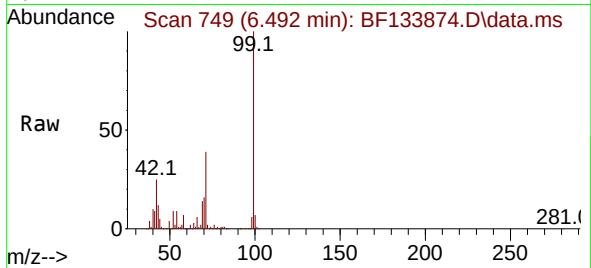




#7
Phenol-d6
Concen: 58.900 ng
RT: 6.492 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

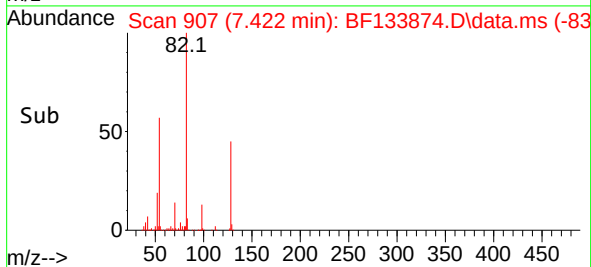
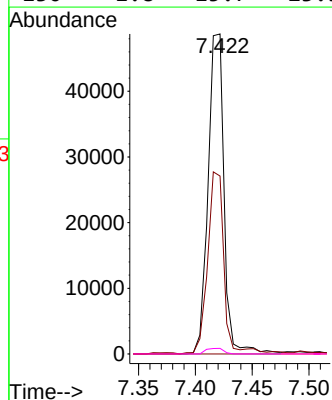
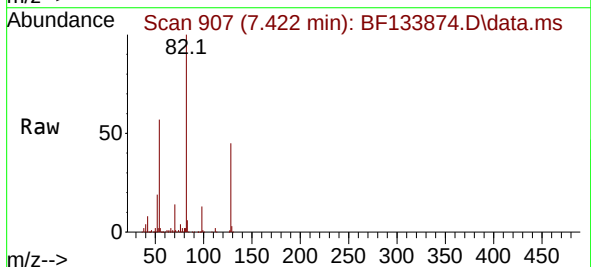
Instrument :
BNA_F
ClientSampleId :

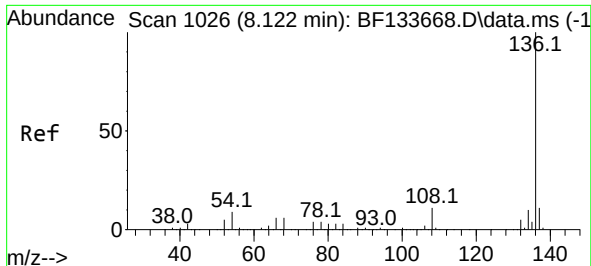
Tgt Ion: 99 Resp: 527177
Ion Ratio Lower Upper
99 100
42 24.7 19.9 29.9
71 39.2 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.356 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.147 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

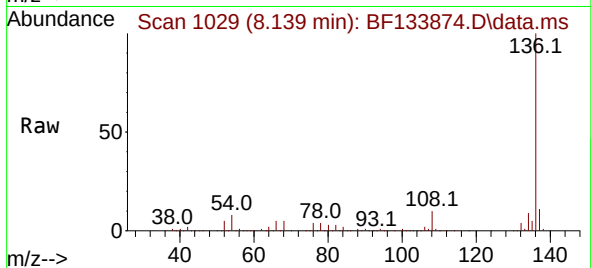
Tgt Ion: 70 Resp: 47582
Ion Ratio Lower Upper
70 100
42 55.6 55.8 83.8#
101 0.0 8.1 12.1#
130 1.8 15.7 23.5#



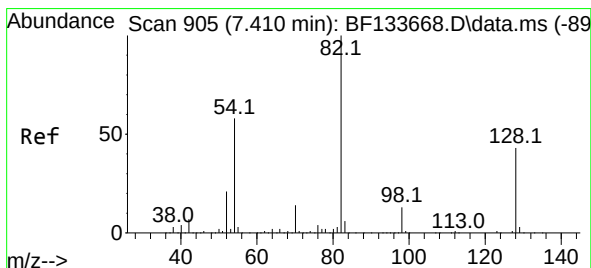
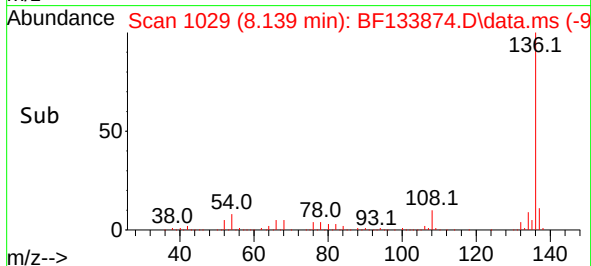
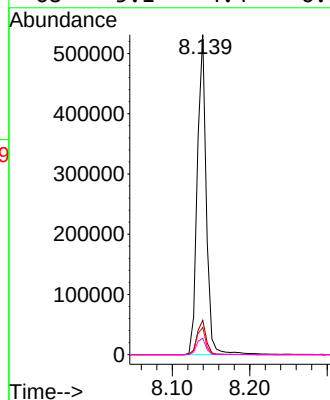


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

Instrument :
BNA_F
ClientSampleId :

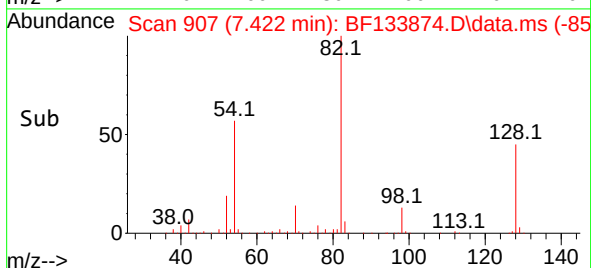
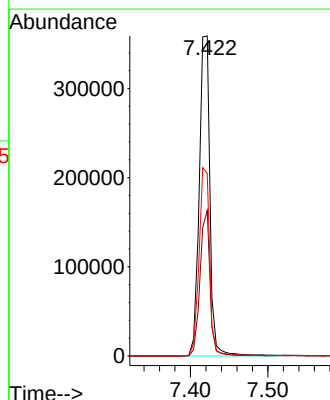
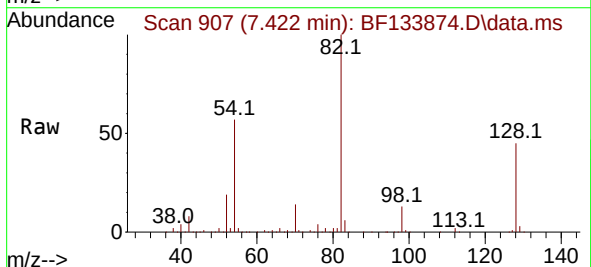


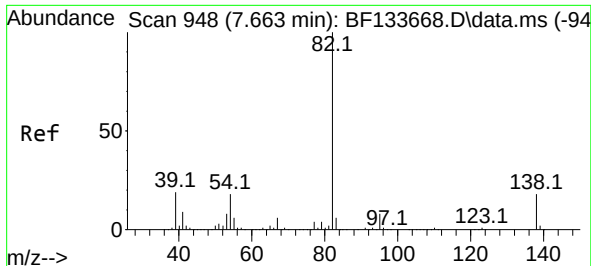
Tgt Ion:136 Resp: 428356
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.5 7.4 11.0
68 5.1 4.4 6.6



#23
Nitrobenzene-d5
Concen: 43.798 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

Tgt Ion: 82 Resp: 344451
Ion Ratio Lower Upper
82 100
128 45.5 34.2 51.2
54 57.0 46.5 69.7

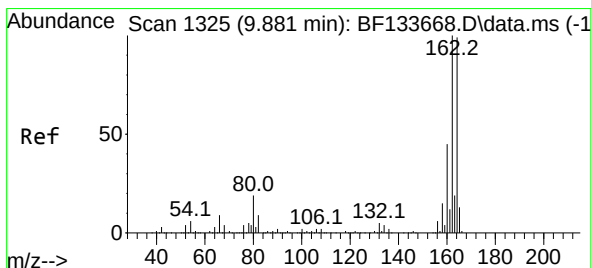
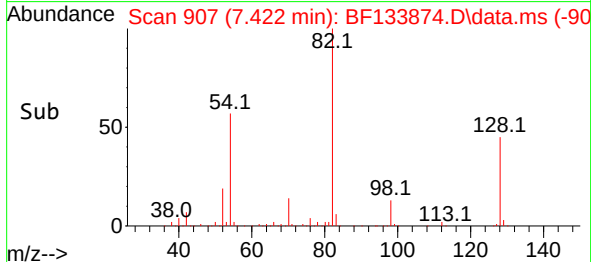
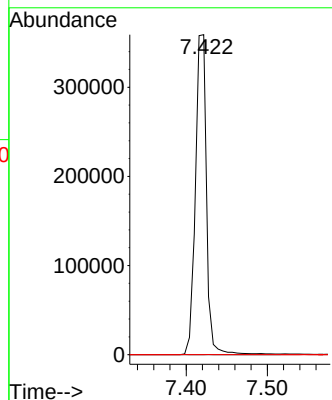
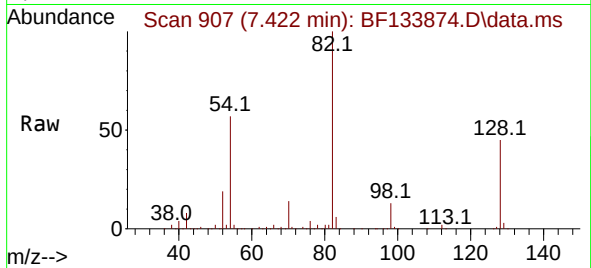




#25
Isophorone
Concen: 23.860 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

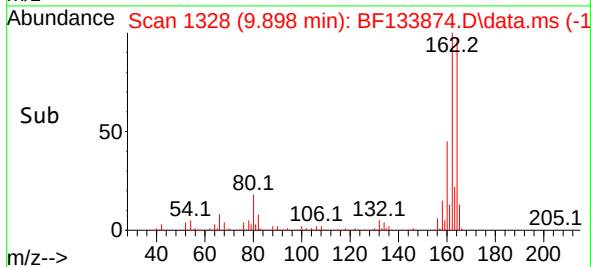
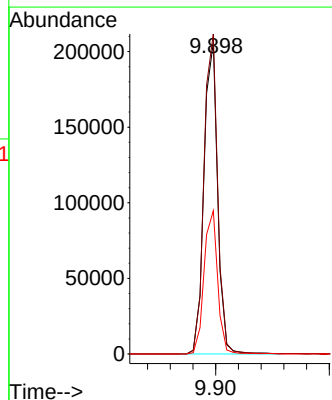
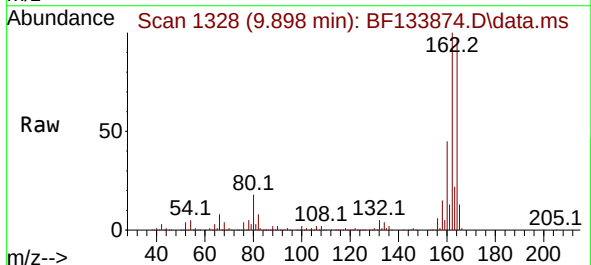
Instrument :
BNA_F
ClientSampleId :

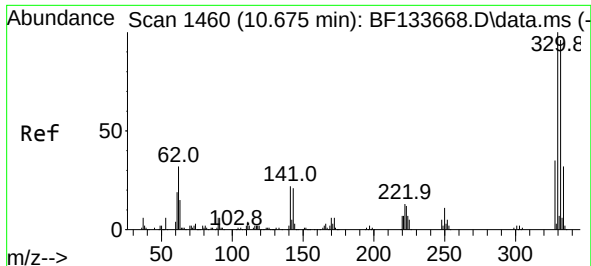
Tgt Ion: 82 Resp: 344493
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

Tgt Ion: 164 Resp: 171791
Ion Ratio Lower Upper
164 100
162 102.8 80.8 121.2
160 46.0 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 48.551 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.006 min

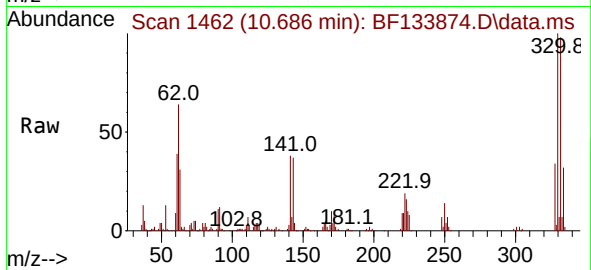
Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :



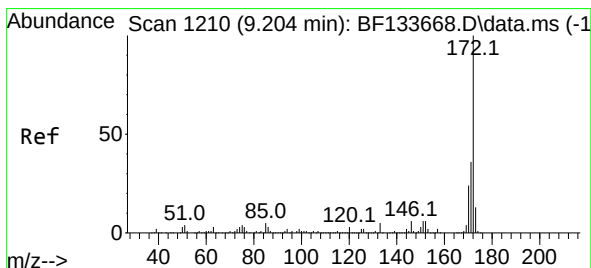
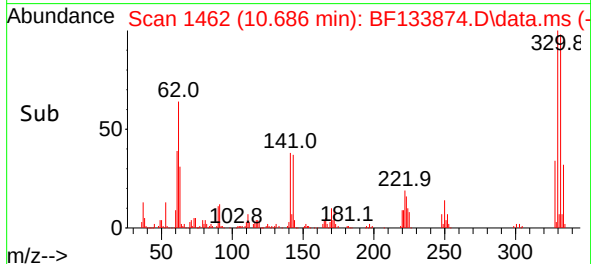
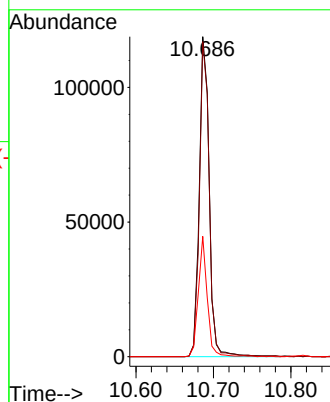
Tgt Ion:330 Resp: 105578

Ion Ratio Lower Upper

330 100

332 97.1 77.2 115.8

141 34.0 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 50.991 ng

RT: 9.216 min Scan# 1212

Delta R.T. -0.000 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

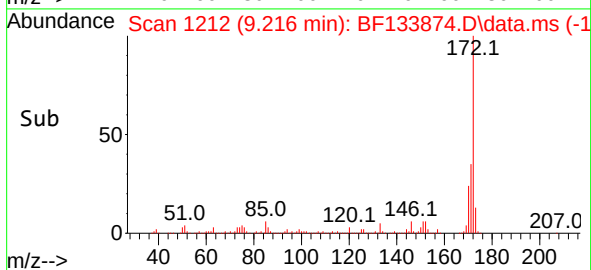
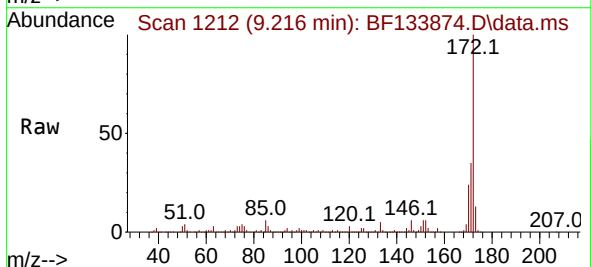
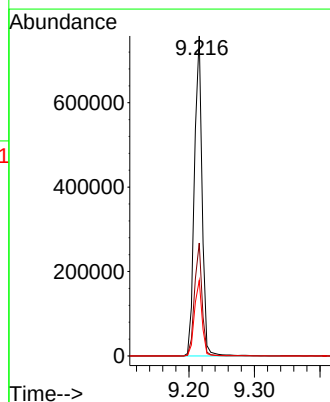
Tgt Ion:172 Resp: 616225

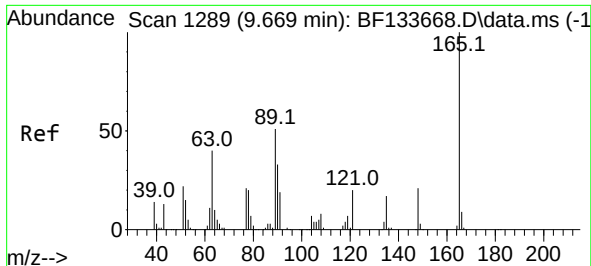
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.6 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.483 ng

RT: 9.898 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF133874.D

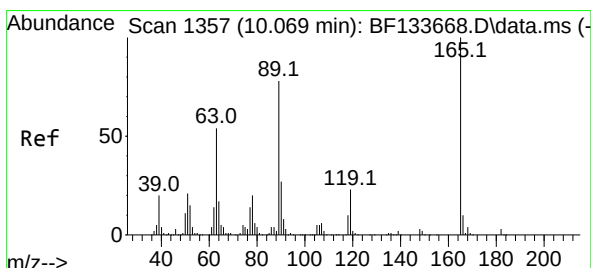
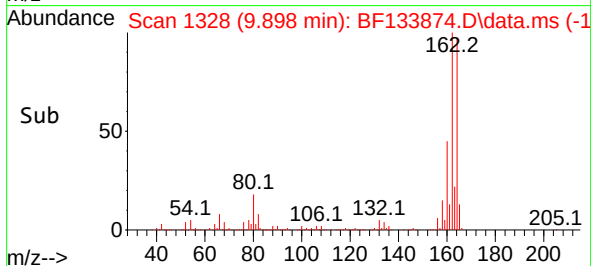
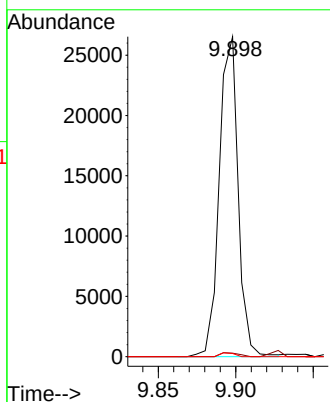
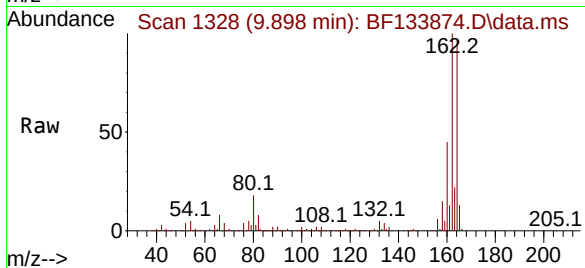
Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:165 Resp: 22452
 Ion Ratio Lower Upper
 165 100
 63 1.1 42.1 63.1#
 89 1.0 40.9 61.3#



#57

2,4-Dinitrotoluene

Concen: 6.670 ng

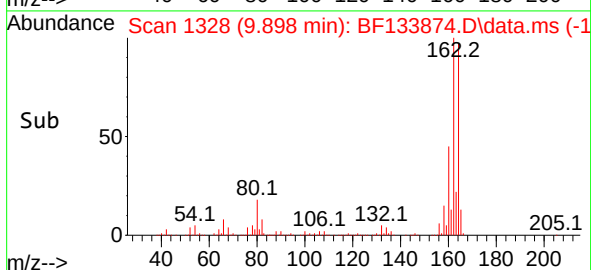
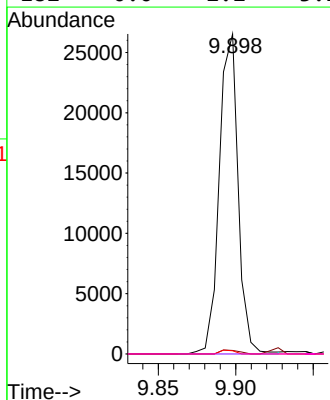
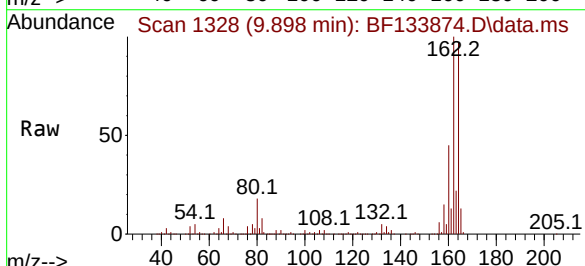
RT: 9.898 min Scan# 1328

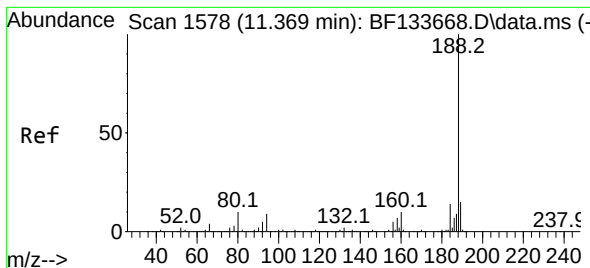
Delta R.T. -0.188 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Tgt Ion:165 Resp: 22452
 Ion Ratio Lower Upper
 165 100
 63 1.1 43.0 64.6#
 89 1.0 62.6 93.8#
 182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

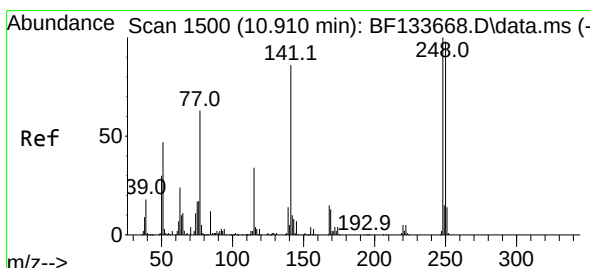
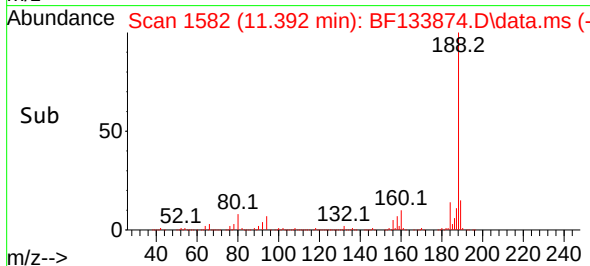
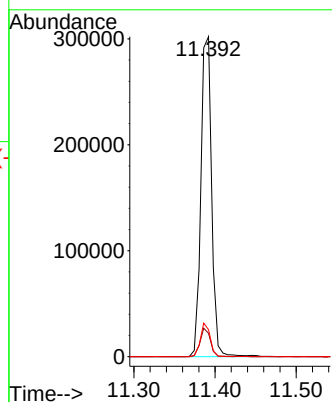
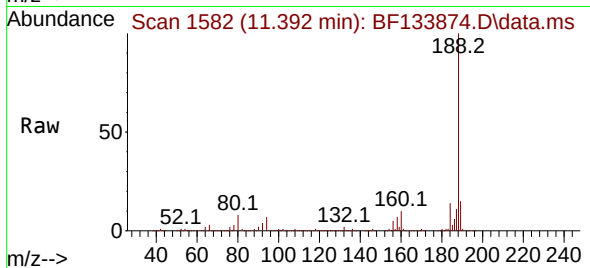
Tgt Ion:188 Resp: 278919

Ion Ratio Lower Upper

188 100

94 7.3 6.8 10.2

80 8.5 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.075 ng

RT: 10.686 min Scan# 1462

Delta R.T. -0.247 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

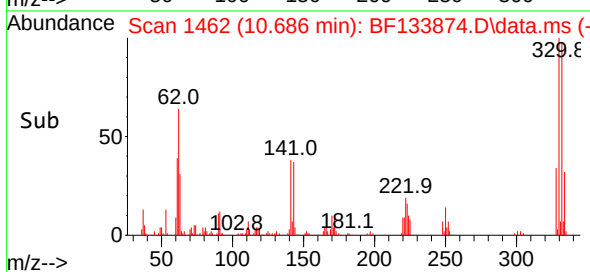
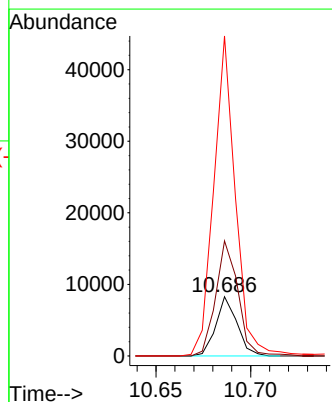
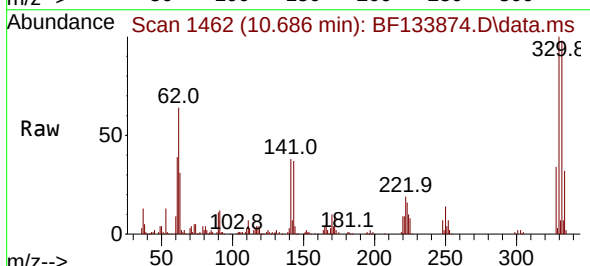
Tgt Ion:248 Resp: 6459

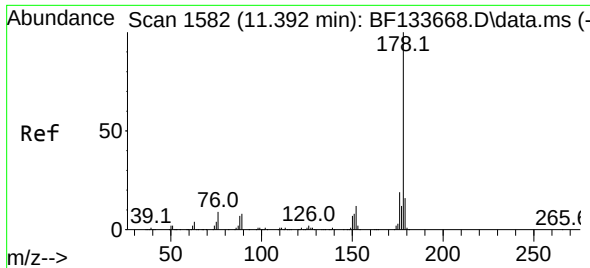
Ion Ratio Lower Upper

248 100

250 194.6 78.3 117.5#

141 541.1 69.0 103.6#

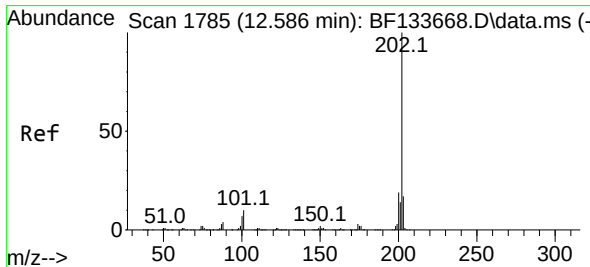
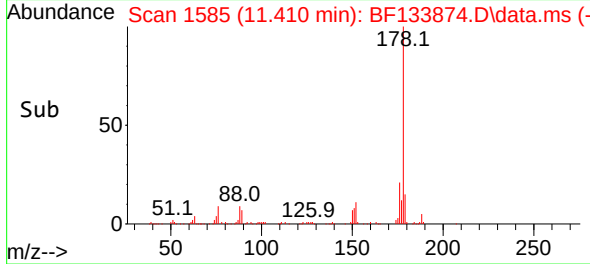
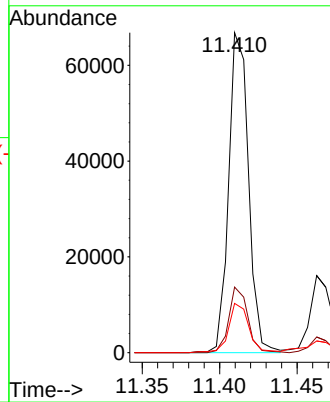
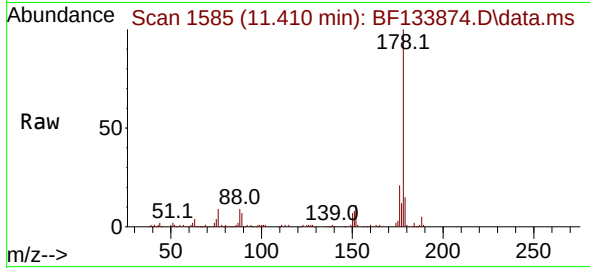




#71
Phenanthrene
Concen: 4.209 ng
RT: 11.410 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

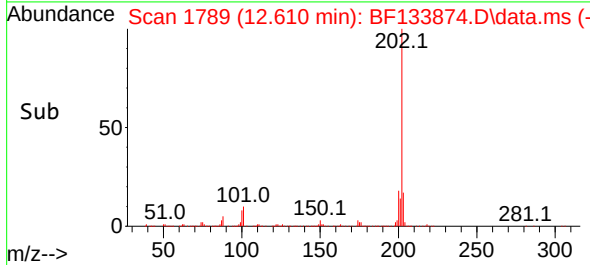
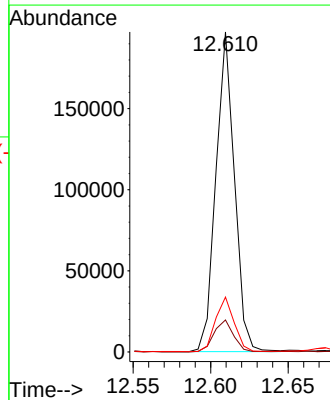
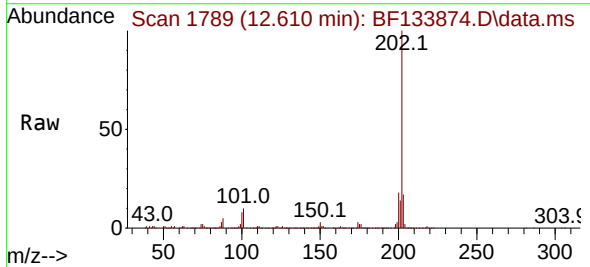
Instrument :
BNA_F
ClientSampleId :

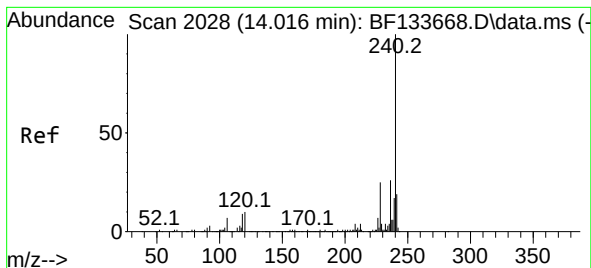
Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.6	23.4
179	15.4	12.4	18.6



#75
Fluoranthene
Concen: 10.934 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	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: BF133874.D

Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

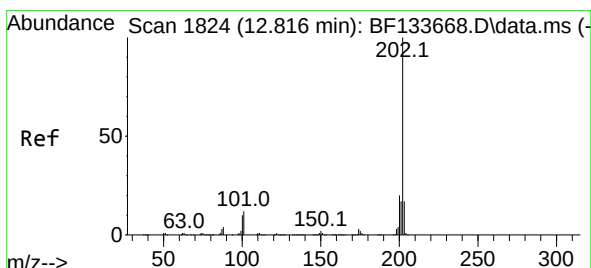
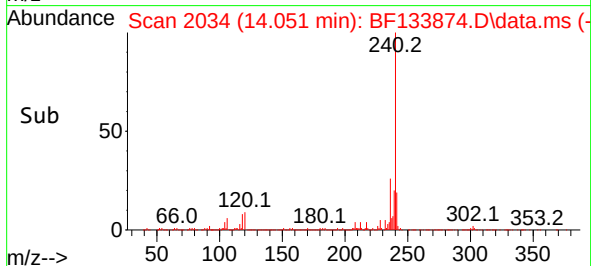
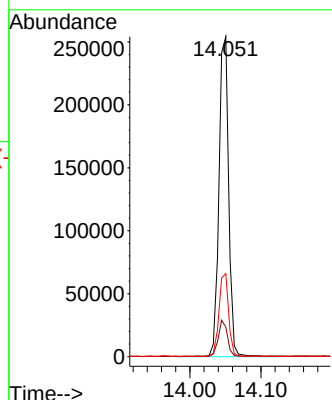
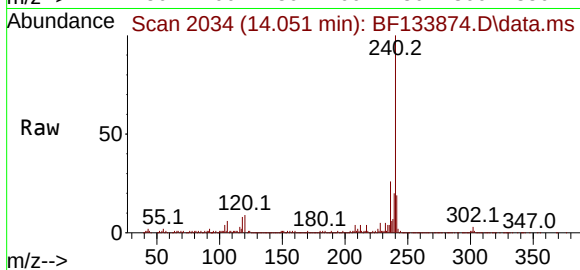
Tgt Ion:240 Resp: 239854

Ion Ratio Lower Upper

240 100

120 9.3 8.1 12.1

236 25.9 20.5 30.7



#78

Pyrene

Concen: 6.956 ng

RT: 12.839 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

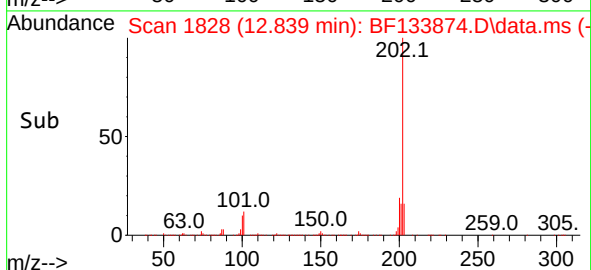
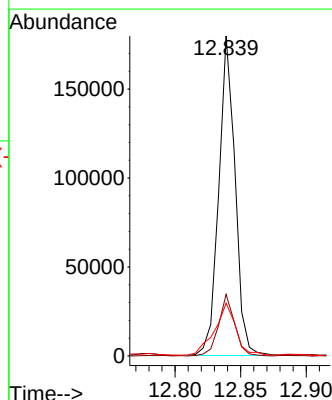
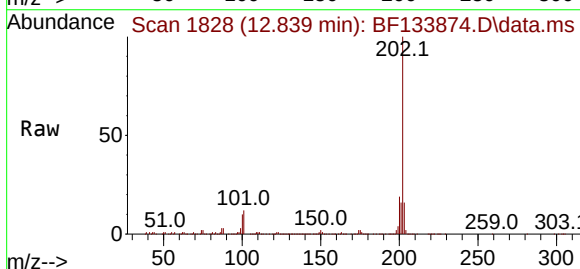
Tgt Ion:202 Resp: 155419

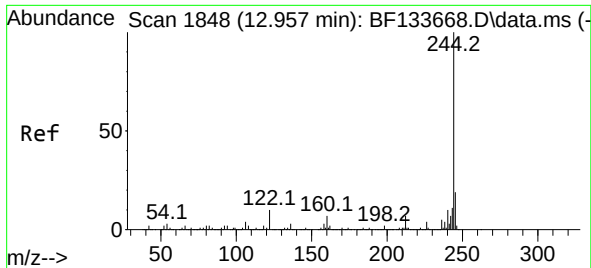
Ion Ratio Lower Upper

202 100

200 19.3 16.2 24.2

203 16.5 13.9 20.9

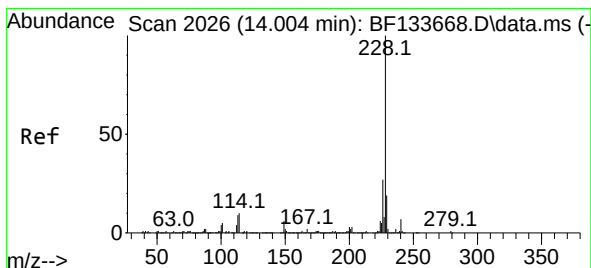
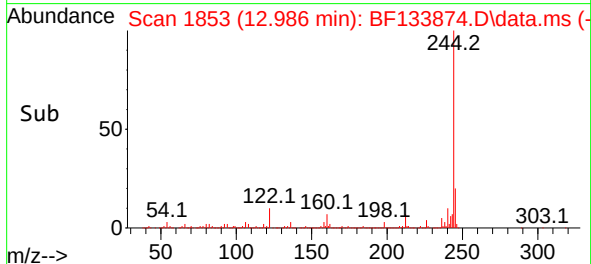
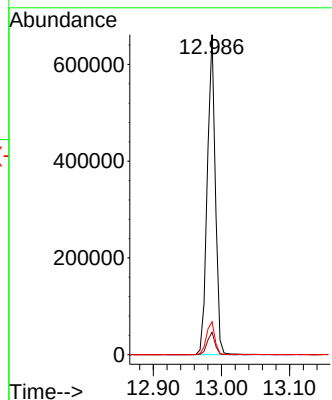
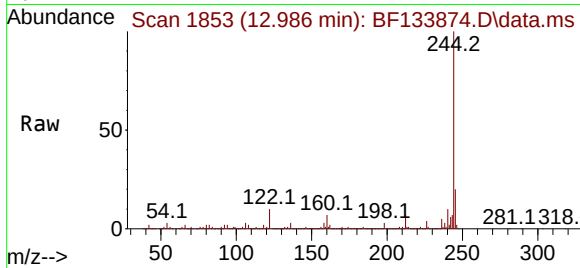




#79
 Terphenyl-d14
 Concen: 35.050 ng
 RT: 12.986 min Scan# 1848
 Delta R.T. -0.000 min
 Lab File: BF133874.D
 Acq: 21 Jun 2023 16:52

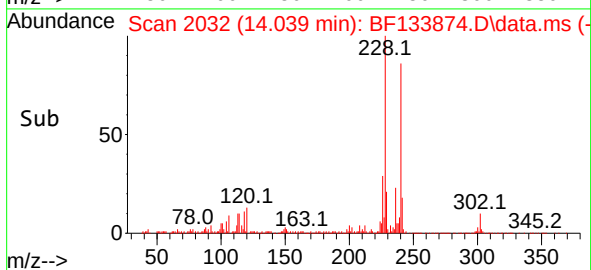
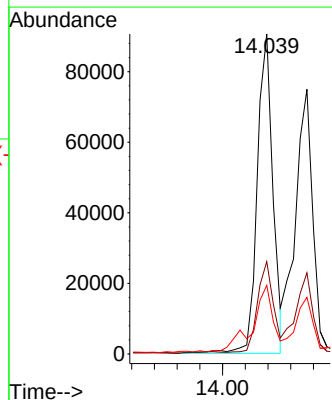
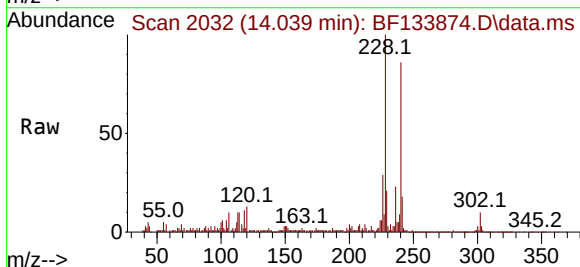
Instrument :
 BNA_F
 ClientSampleId :

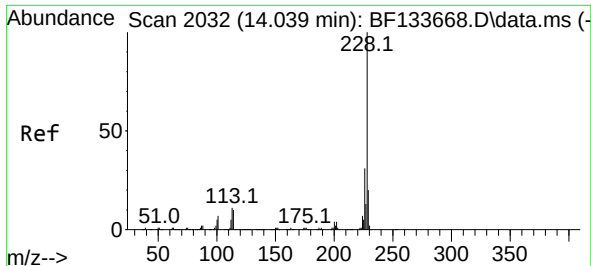
Tgt Ion:244 Resp: 543316
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 10.3 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 5.220 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133874.D
 Acq: 21 Jun 2023 16:52

Tgt Ion:228 Resp: 86611
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 21.4 15.4 23.2

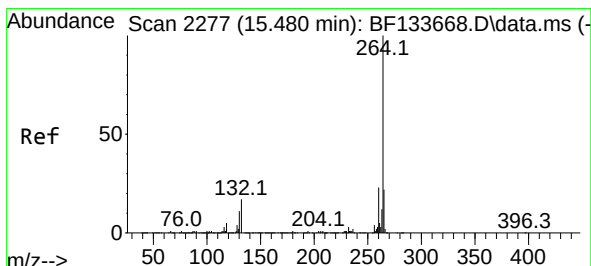
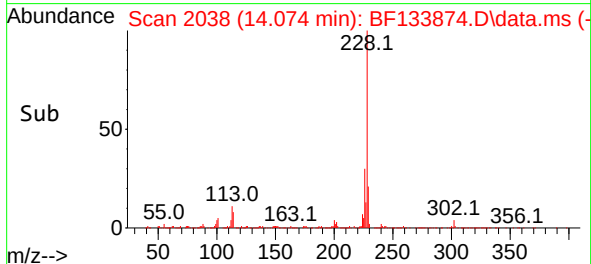
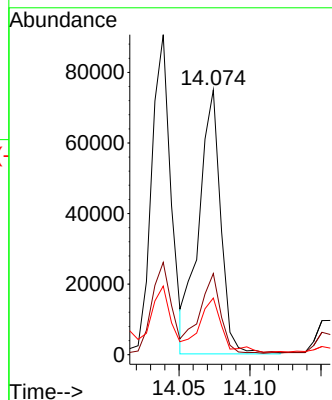
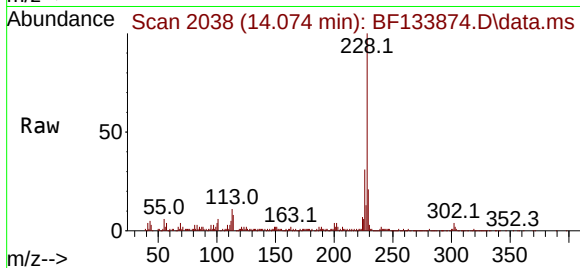




#83
Chrysene
Concen: 5.139 ng
RT: 14.074 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

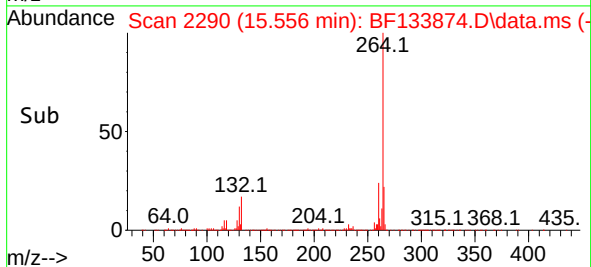
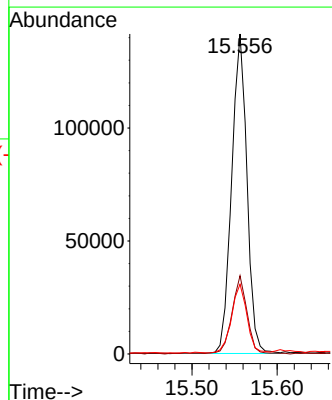
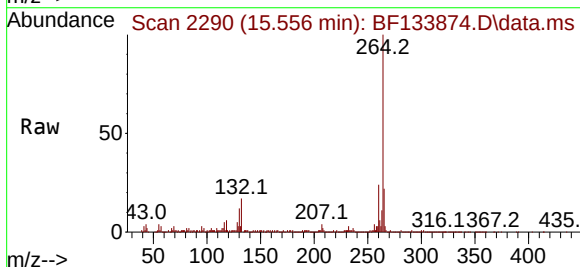
Instrument :
BNA_F
ClientSampleId :

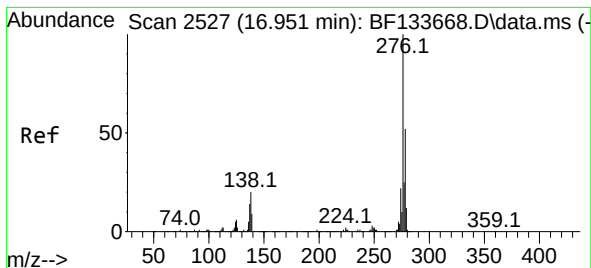
Tgt Ion:228 Resp: 80647
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 21.4 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

Tgt Ion:264 Resp: 176299
Ion Ratio Lower Upper
264 100
260 24.5 18.2 27.2
265 21.8 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.718 ng

RT: 17.103 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133874.D

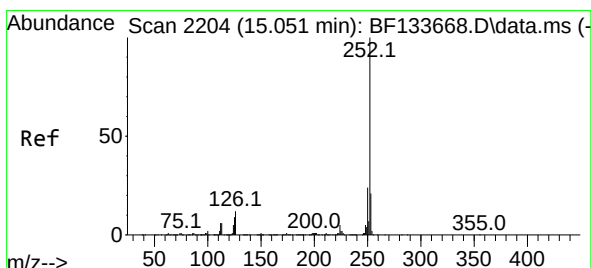
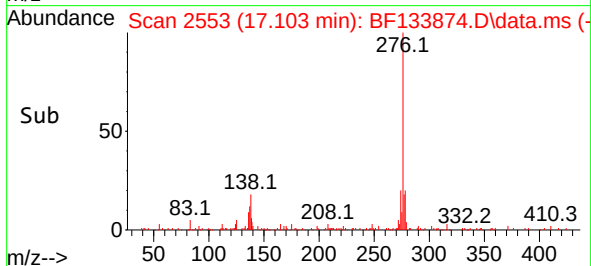
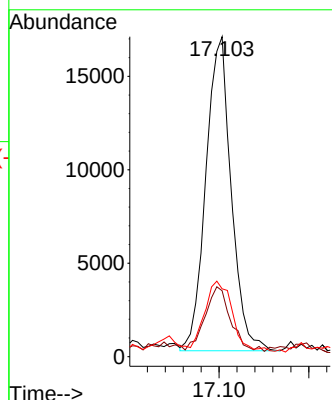
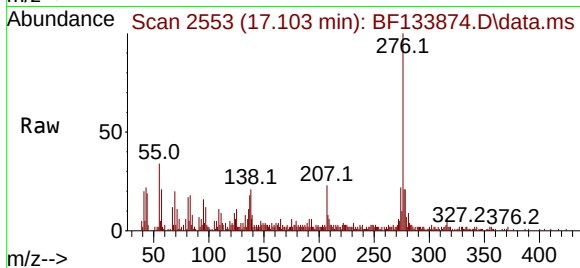
Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:	276	Resp:	32970
Ion Ratio	Lower	Upper	
276	100		
138	19.4	17.9	26.9
277	24.1	20.3	30.5



#88

Benzo(b)fluoranthene

Concen: 10.945 ng

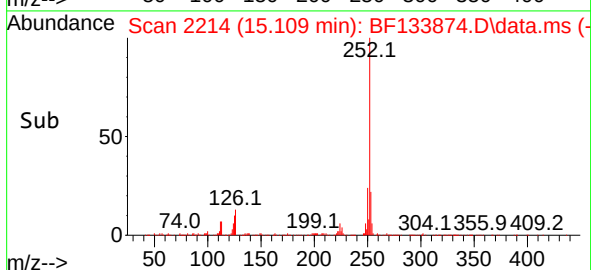
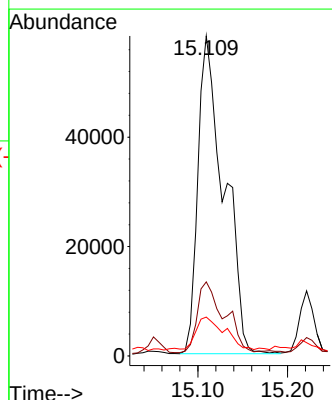
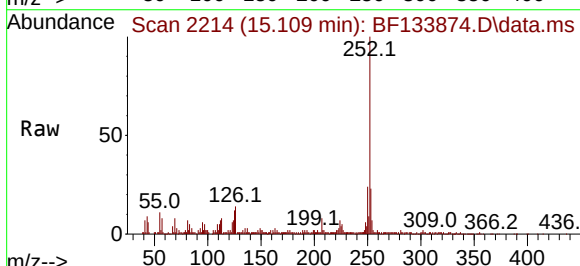
RT: 15.109 min Scan# 2214

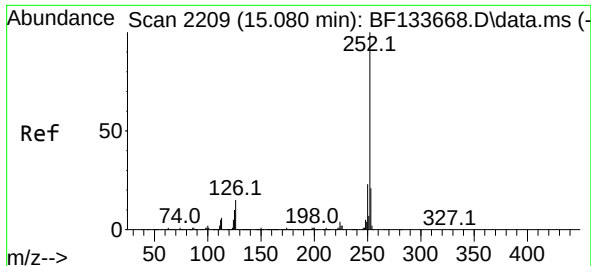
Delta R.T. 0.006 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Tgt Ion:	252	Resp:	117211
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.0	25.6
125	12.2	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 11.235 ng

RT: 15.109 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF133874.D

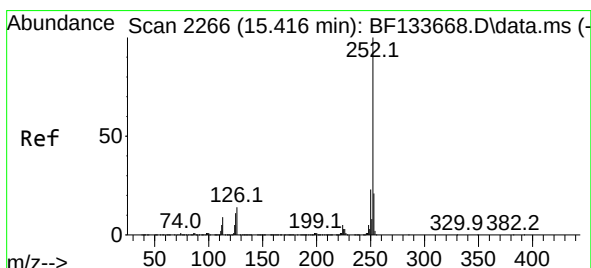
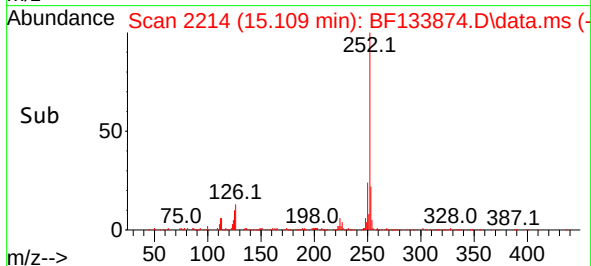
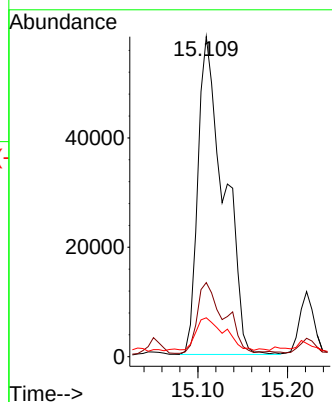
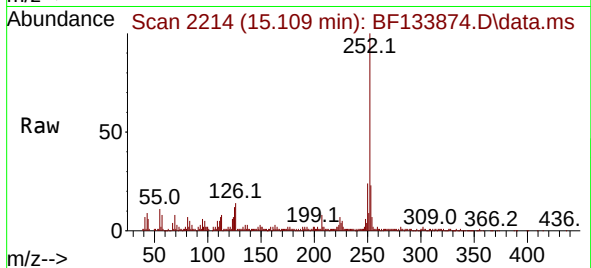
Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:252 Resp: 117211
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.0 25.4
 125 12.2 7.8 11.6#



#90

Benzo(a)pyrene

Concen: 5.780 ng

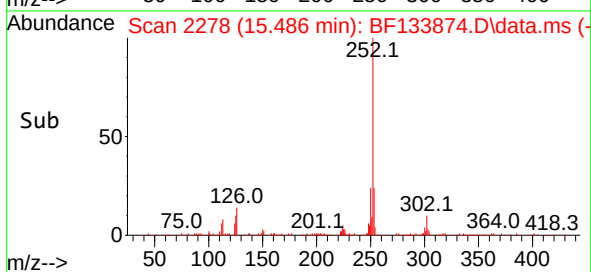
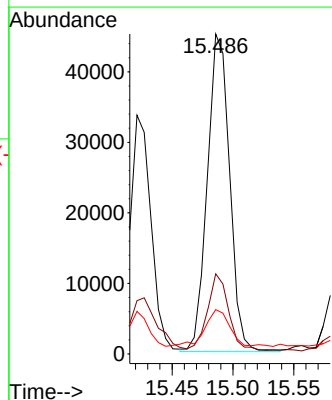
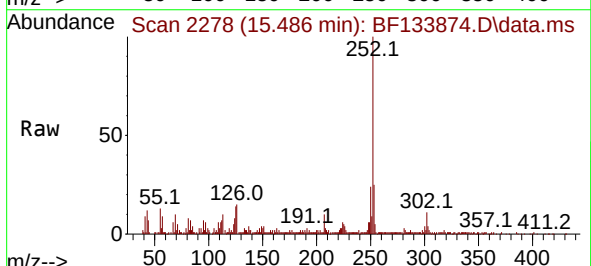
RT: 15.486 min Scan# 2278

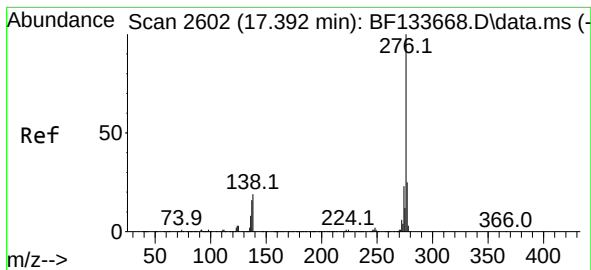
Delta R.T. -0.000 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Tgt Ion:252 Resp: 57449
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.1 25.7
 125 13.9 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 3.232 ng

RT: 17.568 min Scan# 20

Delta R.T. -0.006 min

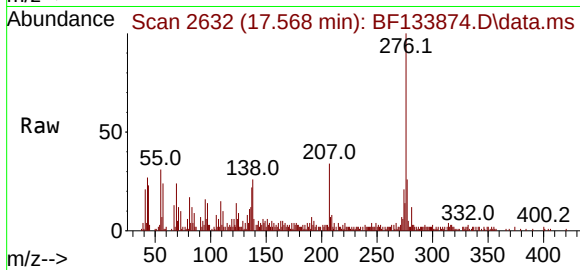
Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 32177

Ion Ratio Lower Upper

276 100

277 25.6 19.8 29.8

138 25.8 15.0 22.4#

