

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 :
 COMPOSIT-R-02

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)

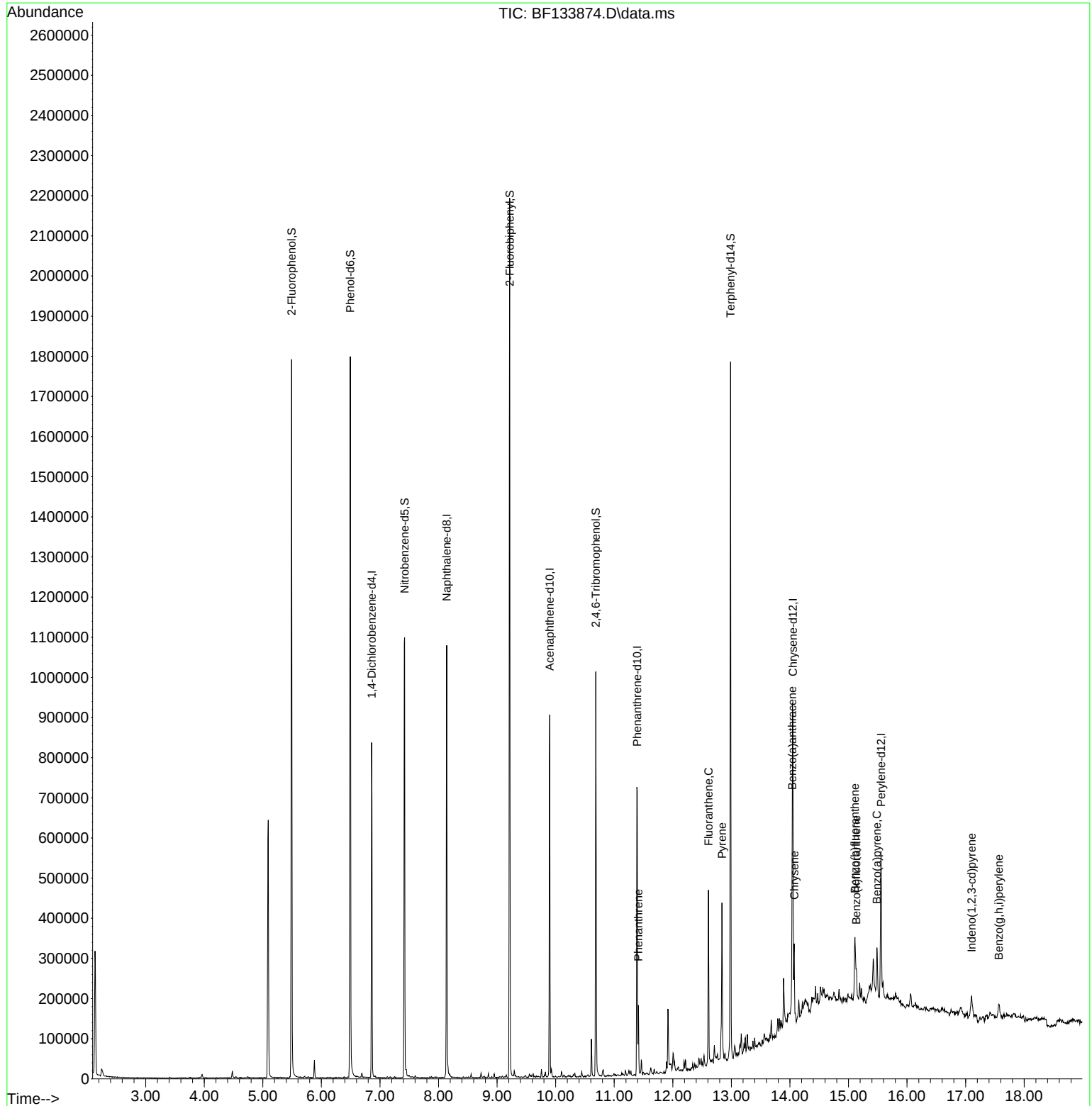
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	119706	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	428356	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	171791	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	278919	20.000	ng	0.00
76) Chrysene-d12	14.051	240	239854	20.000	ng	0.00
86) Perylene-d12	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
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	87813m	8.200	ng	
89) Benzo(k)fluoranthene	15.133	252	28796m	2.760	ng	
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

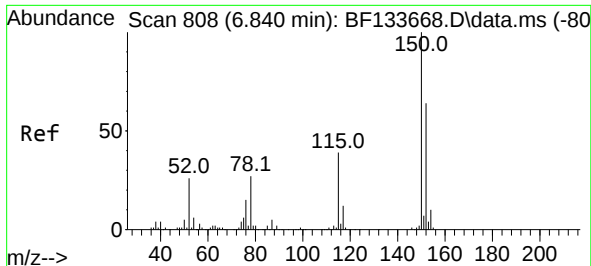
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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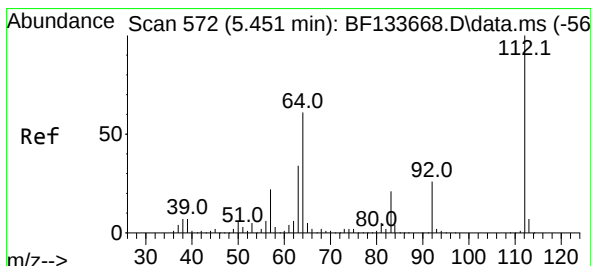
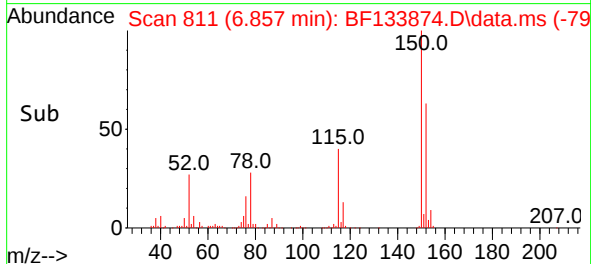
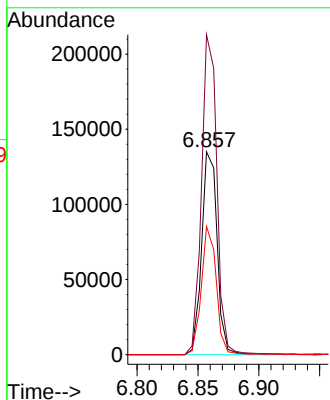
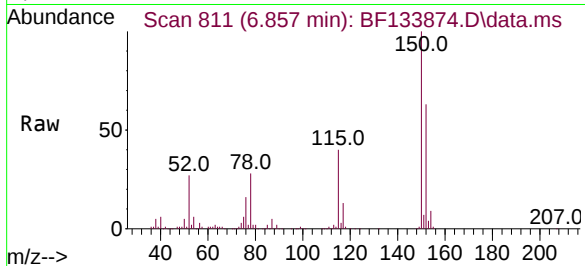




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

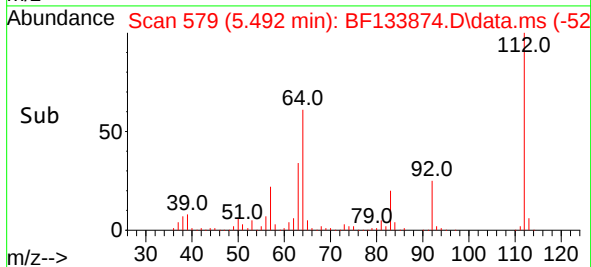
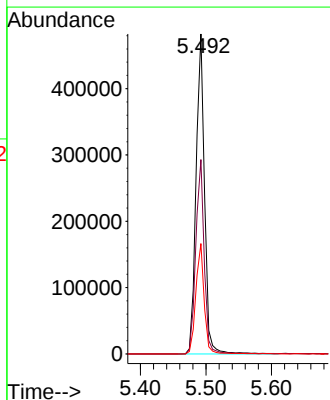
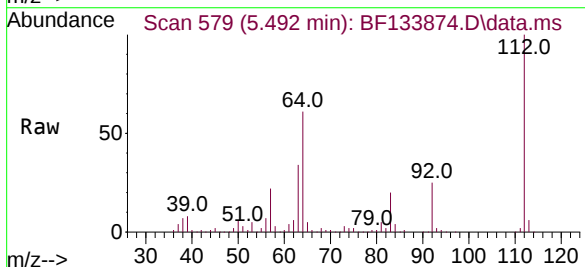
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-R-02

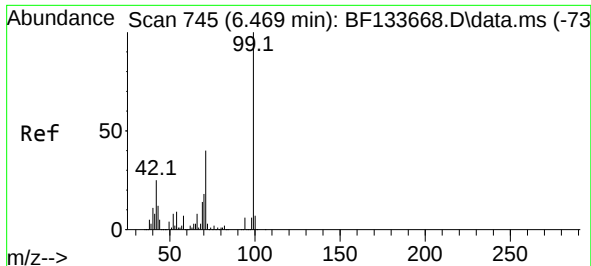
Tgt Ion:152 Resp: 119706
Ion Ratio Lower Upper
152 100
150 157.7 124.3 186.5
115 63.2 48.5 72.7



#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

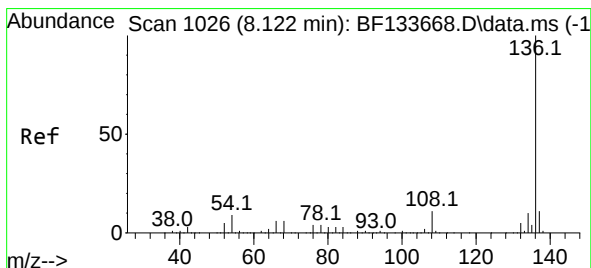
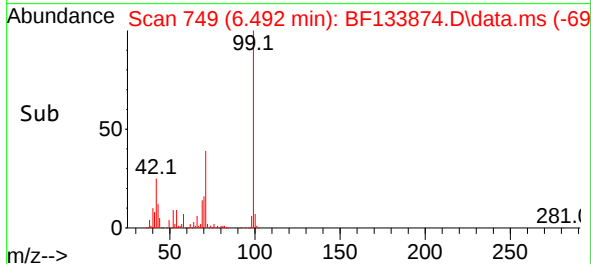
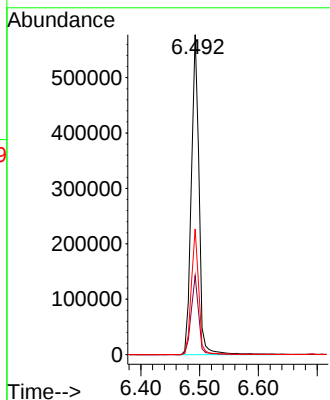
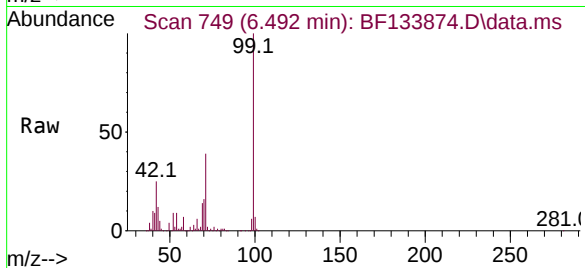




#7
Phenol-d6
Concen: 58.900 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

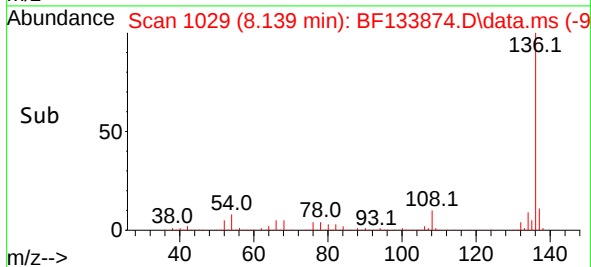
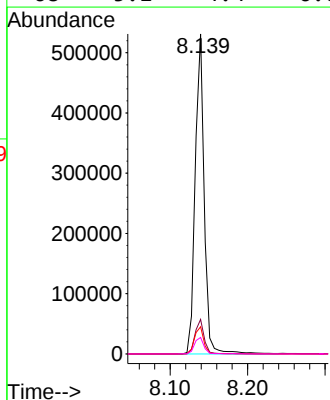
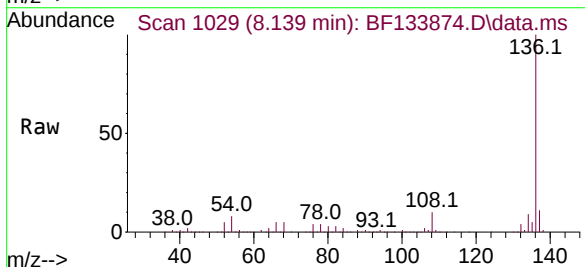
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-R-02

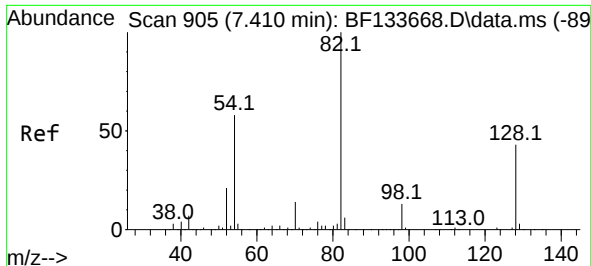
Tgt Ion: 99 Resp: 527177
Ion Ratio Lower Upper
99 100
42 24.7 19.9 29.9
71 39.2 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

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# 905

Delta R.T. -0.000 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-02

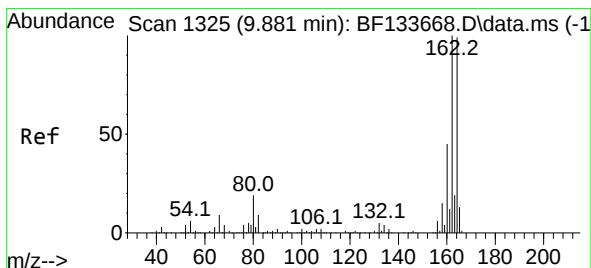
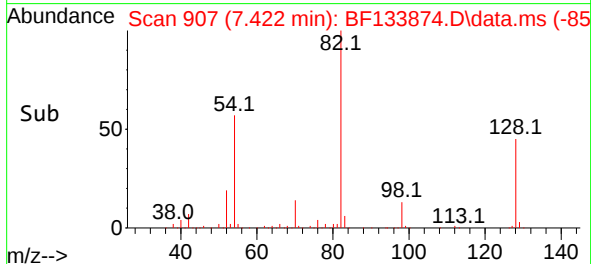
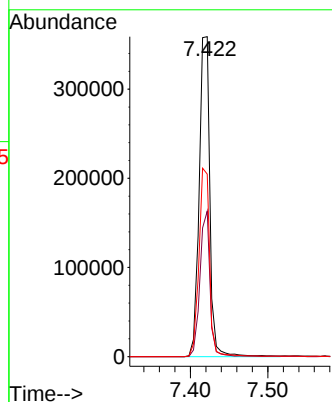
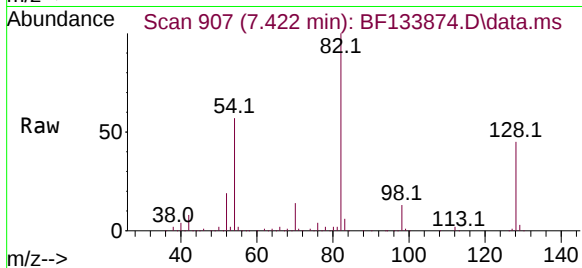
Tgt Ion: 82 Resp: 344451

Ion Ratio Lower Upper

82 100

128 45.5 34.2 51.2

54 57.0 46.5 69.7



#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

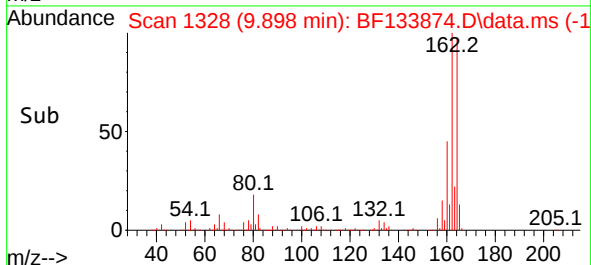
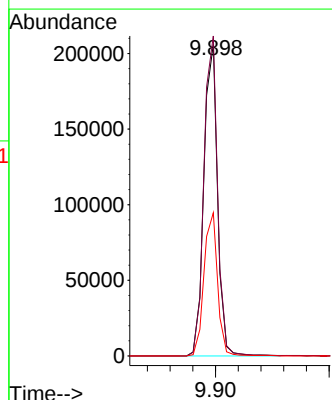
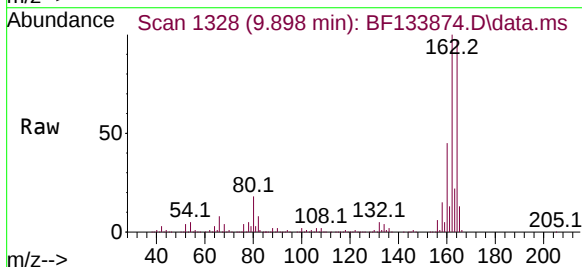
Tgt Ion: 164 Resp: 171791

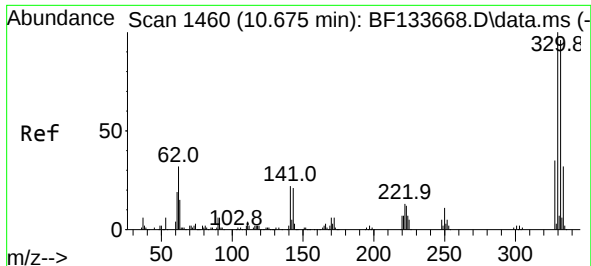
Ion Ratio Lower Upper

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

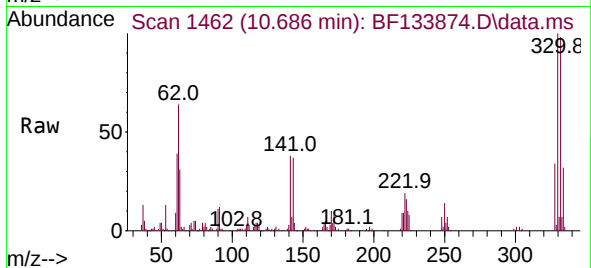
Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-02



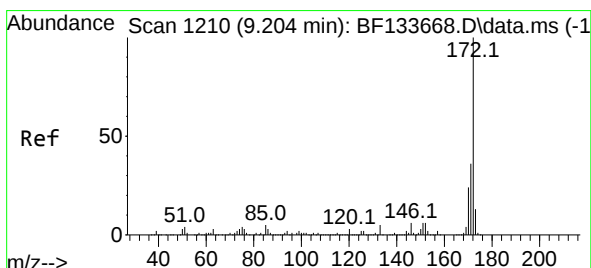
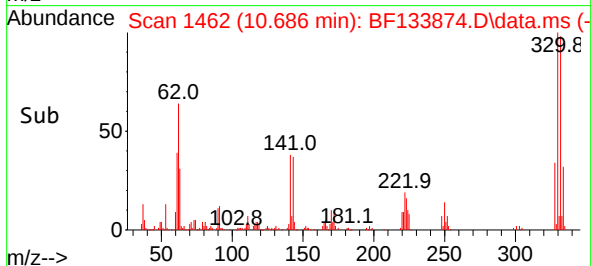
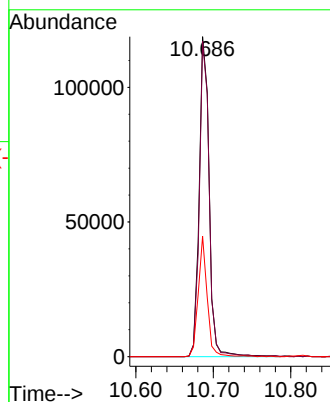
Tgt Ion:330 Resp: 105578

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

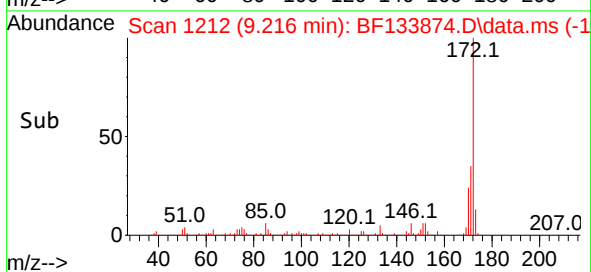
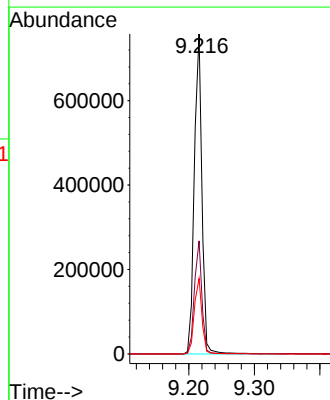
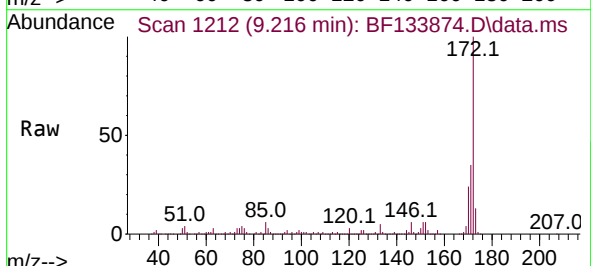
Tgt Ion:172 Resp: 616225

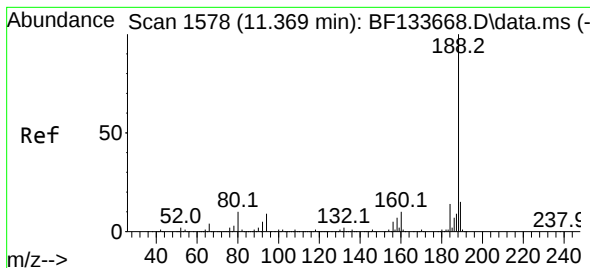
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.6 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.006 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-02

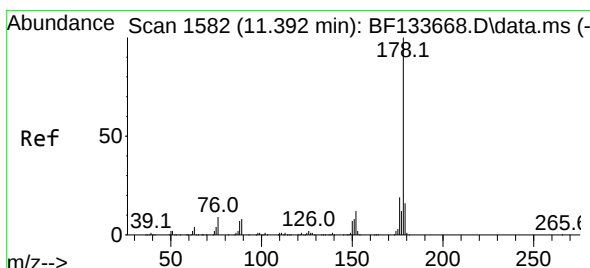
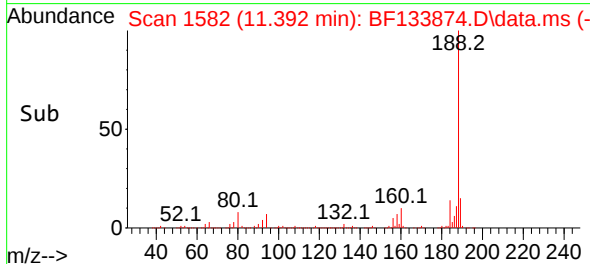
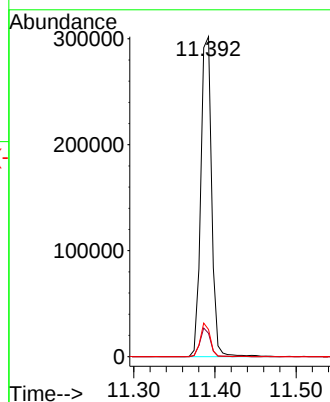
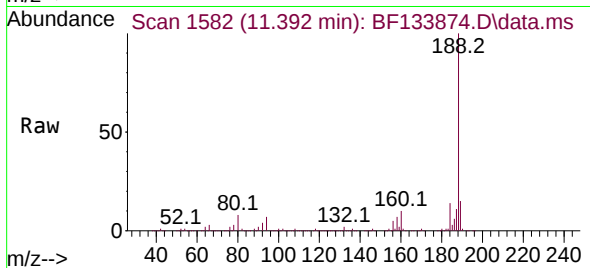
Tgt Ion:188 Resp: 278919

Ion Ratio Lower Upper

188 100

94 7.3 6.8 10.2

80 8.5 7.8 11.6



#71

Phenanthrene

Concen: 4.209 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

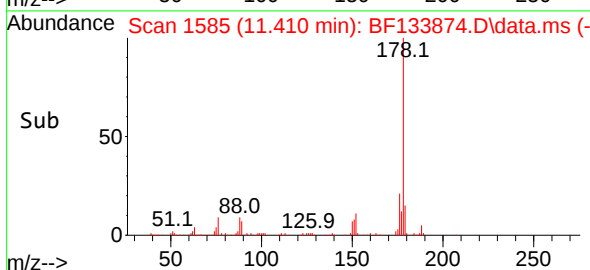
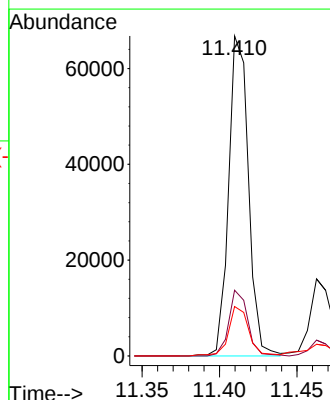
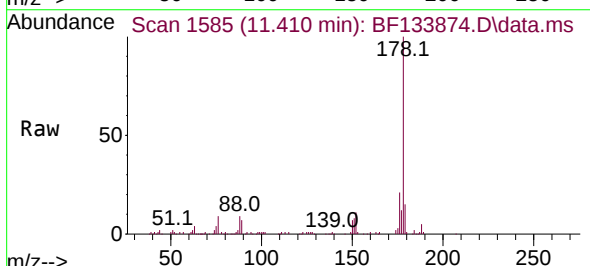
Tgt Ion:178 Resp: 59557

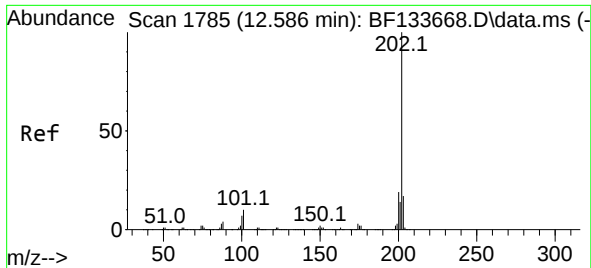
Ion Ratio Lower Upper

178 100

176 20.5 15.6 23.4

179 15.4 12.4 18.6

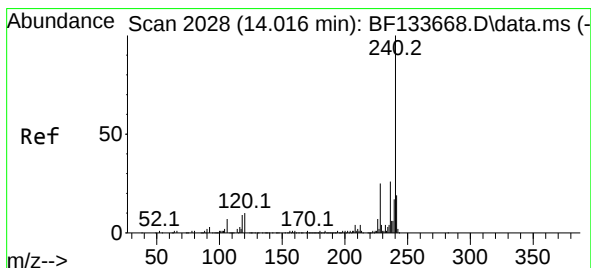
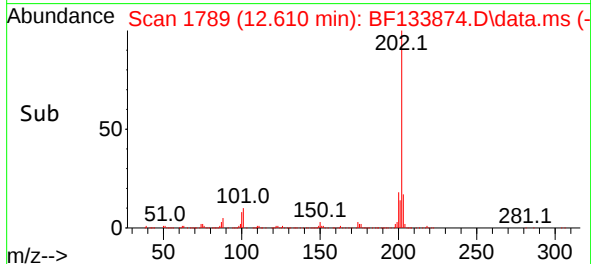
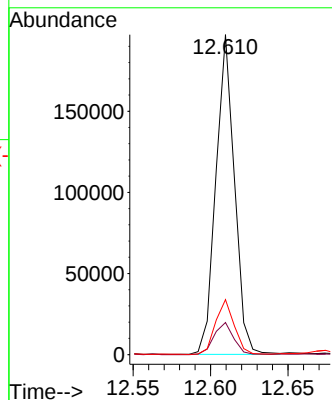
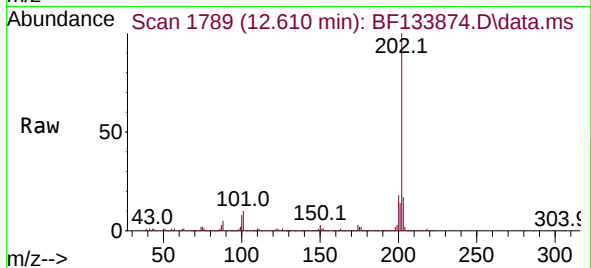




#75
Fluoranthene
Concen: 10.934 ng
RT: 12.610 min Scan# 1789
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

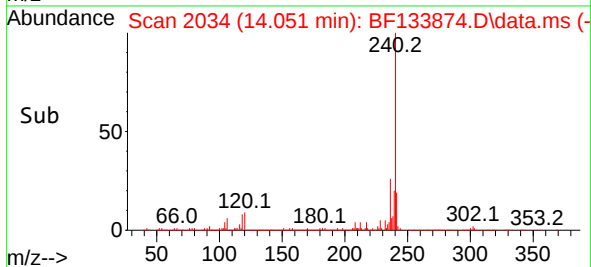
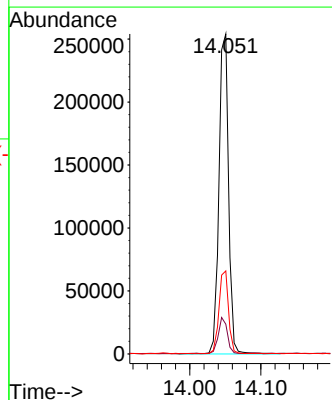
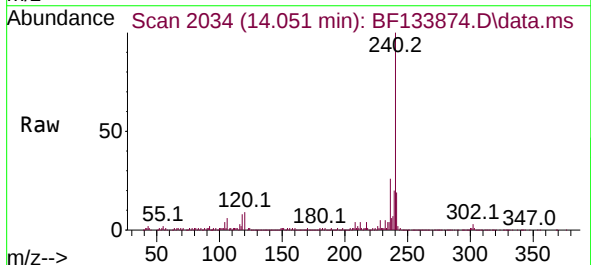
Instrument :
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COMPOSIT-R-02

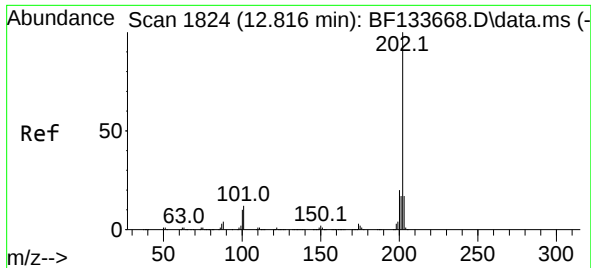
Tgt Ion:202 Resp: 164307
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.6
203 17.2 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

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

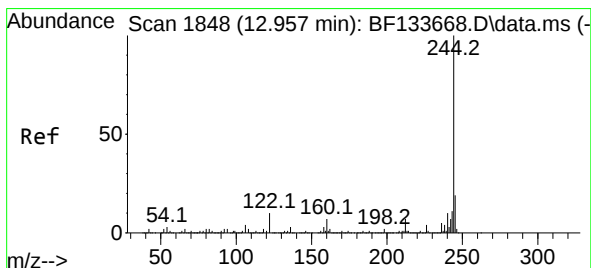
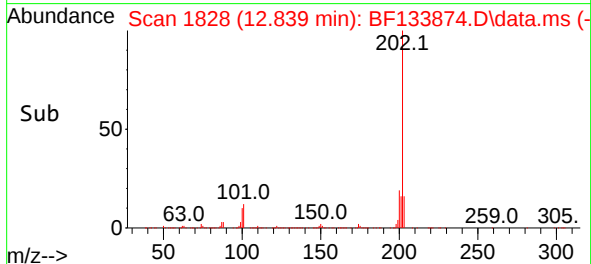
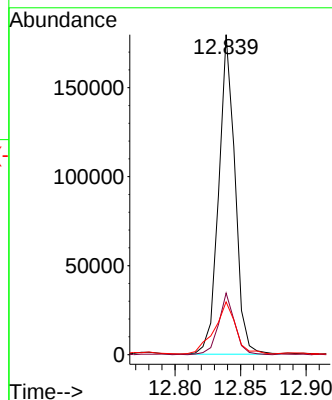
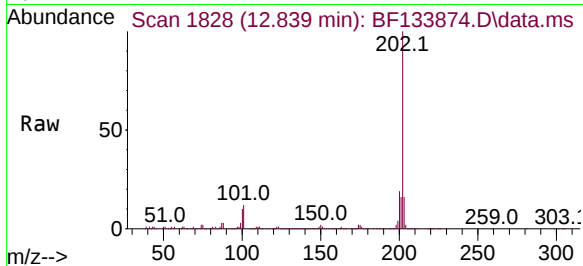




#78
Pyrene
Concen: 6.956 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

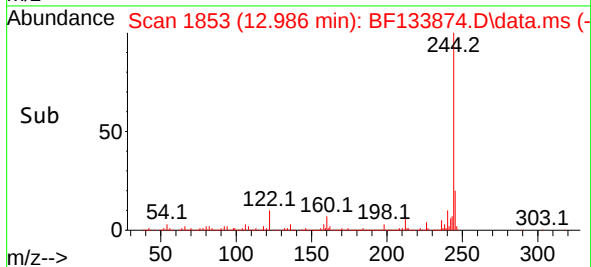
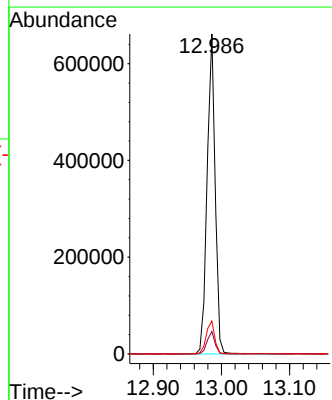
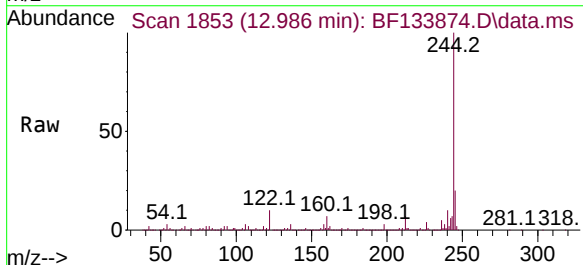
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-R-02

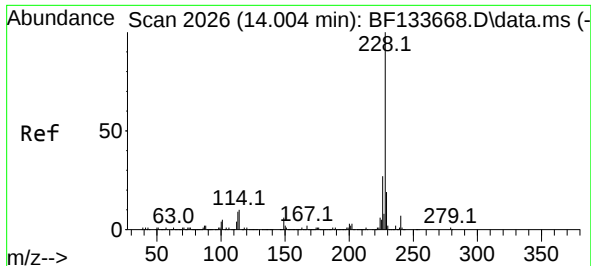
Tgt Ion:202 Resp: 155419
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 16.5 13.9 20.9



#79
Terphenyl-d14
Concen: 35.050 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

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

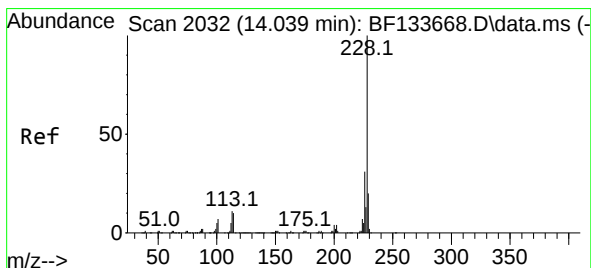
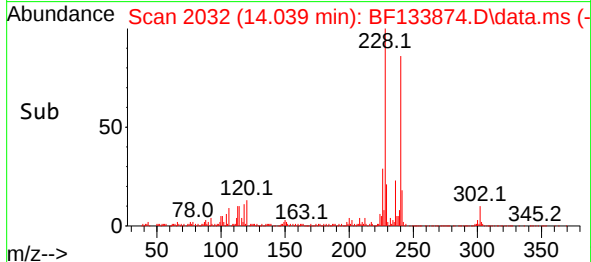
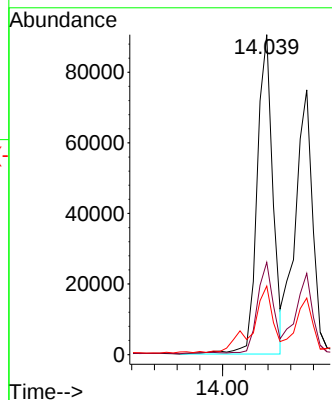
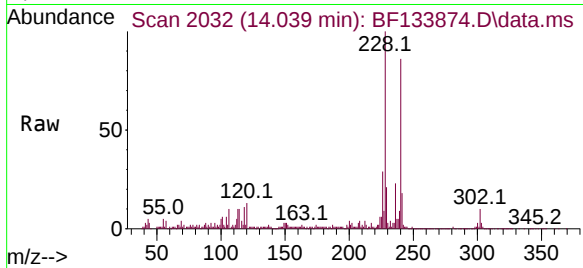




#81
Benzo(a)anthracene
Concen: 5.220 ng
RT: 14.039 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

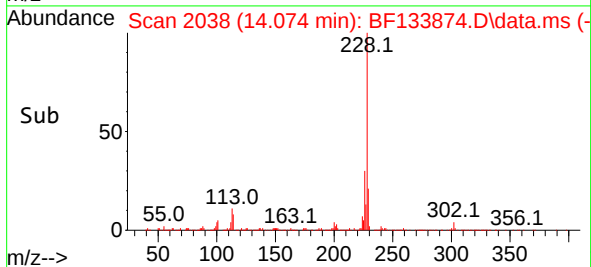
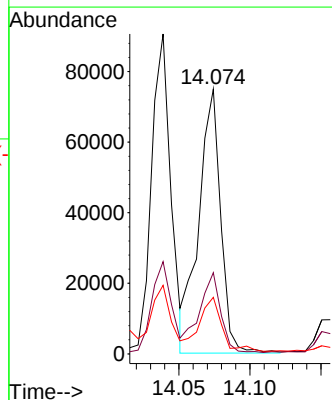
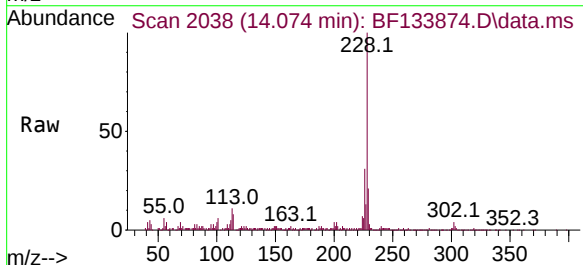
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-R-02

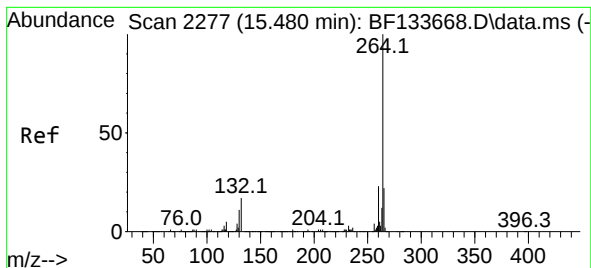
Tgt Ion:228 Resp: 86611
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 21.4 15.4 23.2



#83
Chrysene
Concen: 5.139 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF133874.D
Acq: 21 Jun 2023 16:52

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# 21

Delta R.T. 0.006 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-02

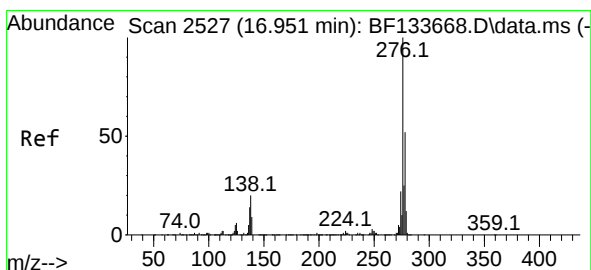
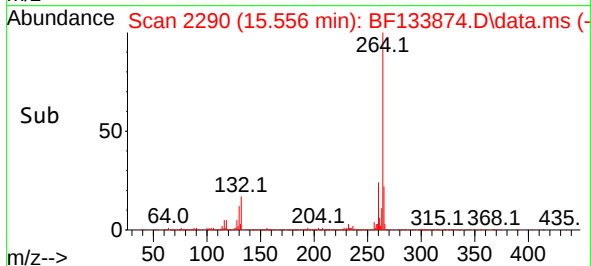
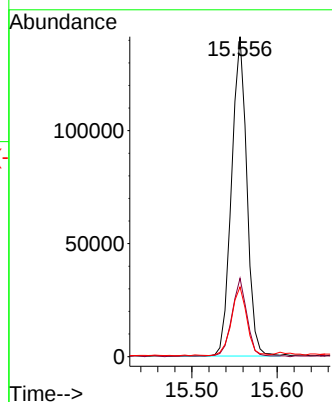
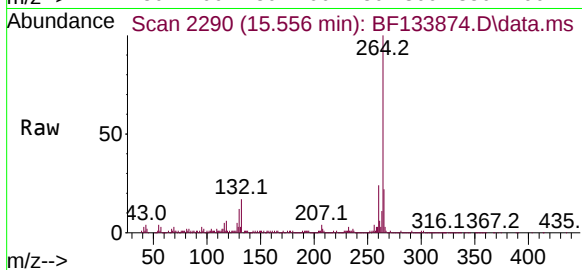
Tgt Ion:264 Resp: 176299

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# 2553

Delta R.T. 0.006 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

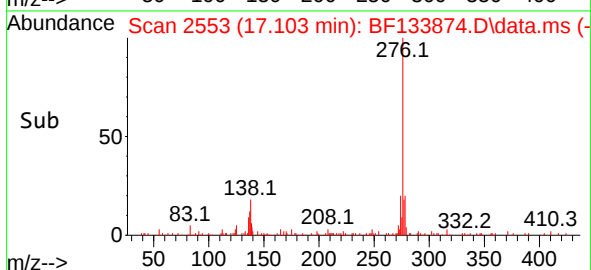
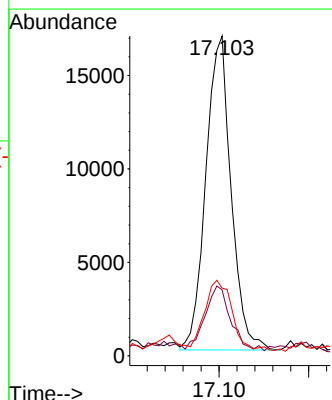
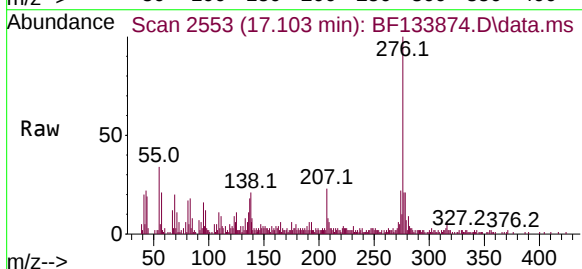
Tgt Ion:276 Resp: 32970

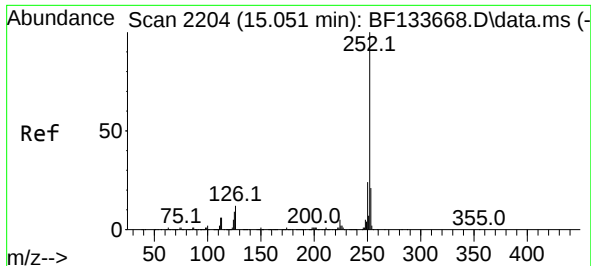
Ion Ratio Lower Upper

276 100

138 19.4 17.9 26.9

277 24.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 8.200 ng m

RT: 15.109 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-02

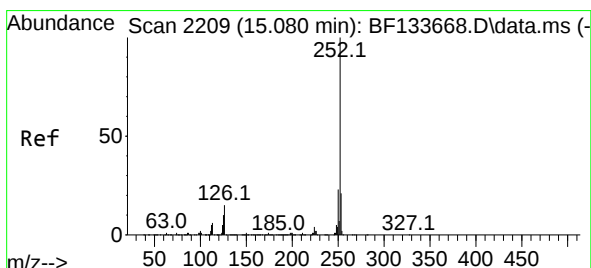
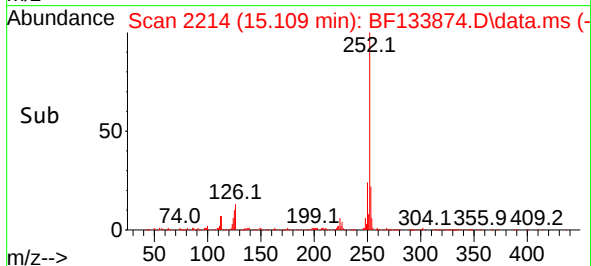
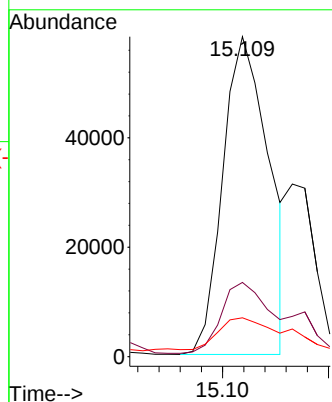
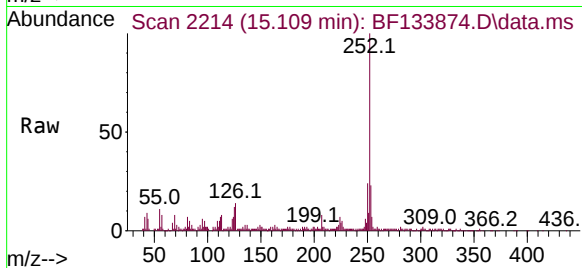
Tgt Ion:252 Resp: 87813

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: 2.760 ng m

RT: 15.133 min Scan# 2218

Delta R.T. -0.000 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

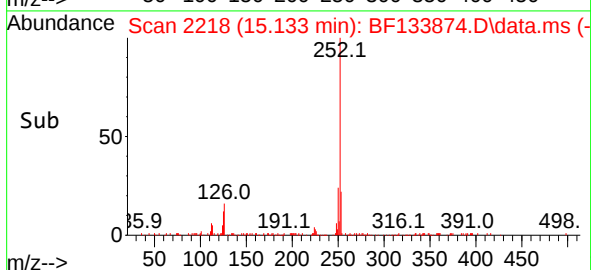
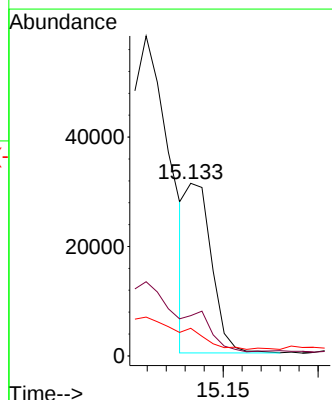
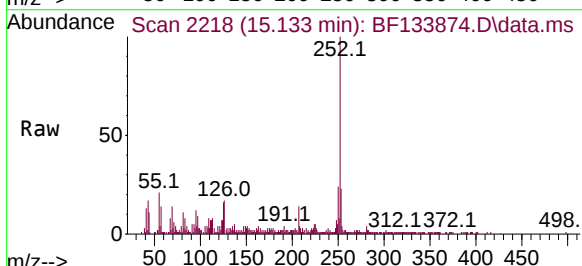
Tgt Ion:252 Resp: 28796

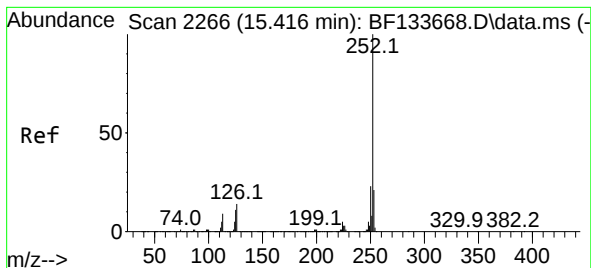
Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.4

125 16.0 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 5.780 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-R-02

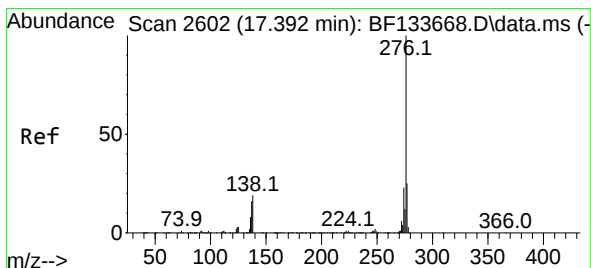
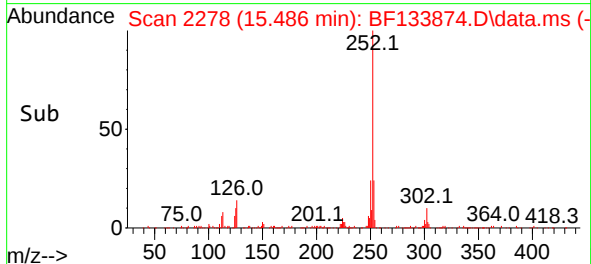
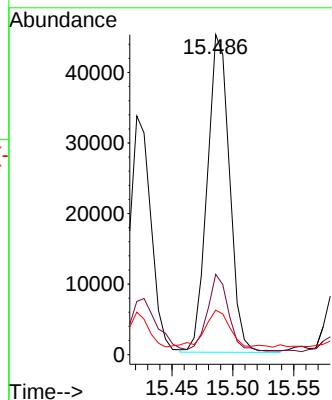
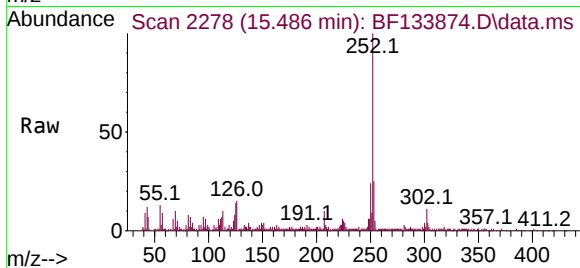
Tgt Ion:252 Resp: 57449

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# 2632

Delta R.T. -0.006 min

Lab File: BF133874.D

Acq: 21 Jun 2023 16:52

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#

