

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
 Data File : BF138234.D
 Acq On : 18 Jun 2024 19:59
 Operator : CG\JU
 Sample : P2917-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROAD

Quant Time: Jun 19 01:39:42 2024
 Quant Title :
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

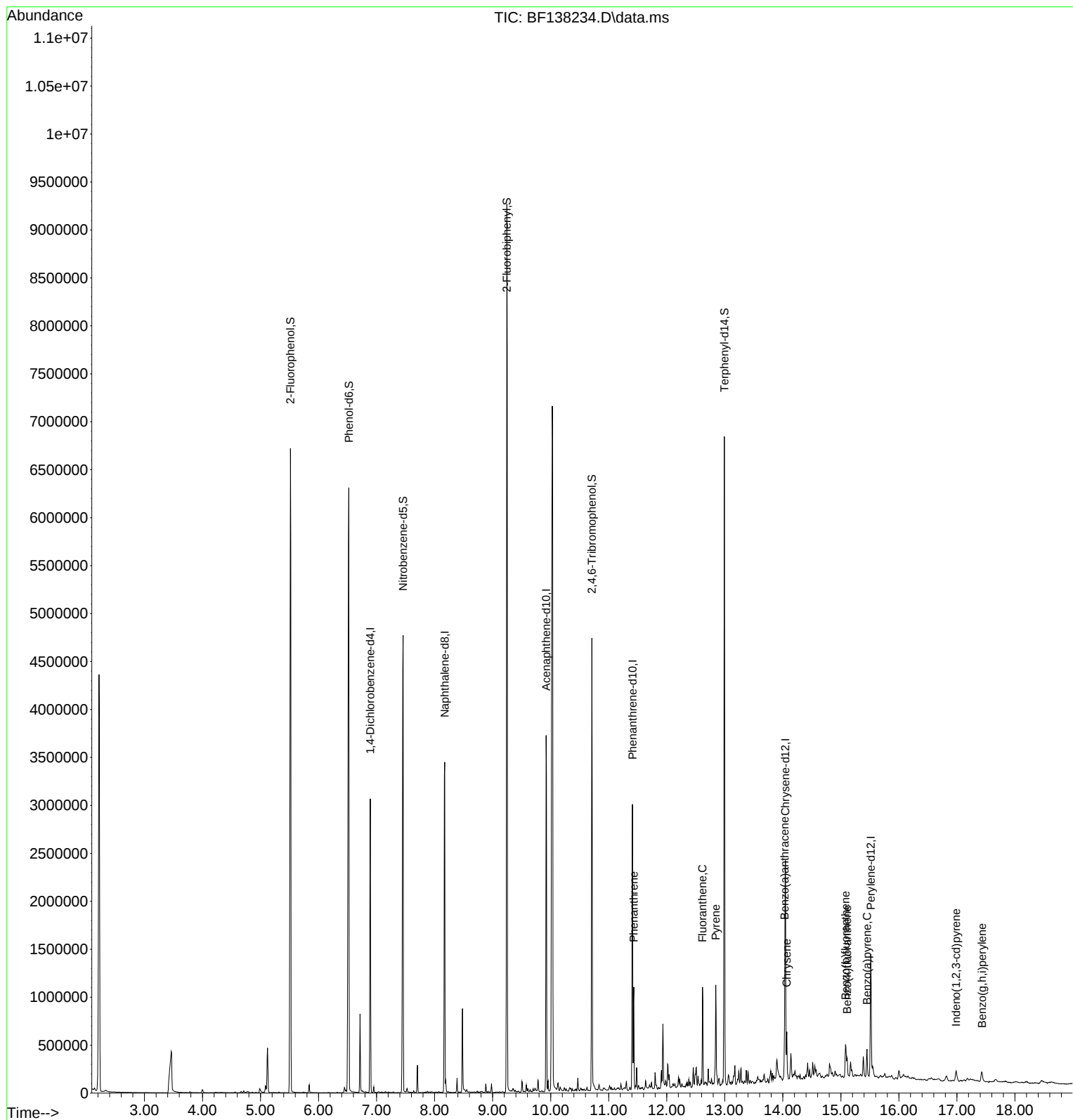
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	414186	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1567476	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	761486	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1020122	20.000	ng	0.00
76) Chrysene-d12	14.045	240	716573	20.000	ng	0.00
86) Perylene-d12	15.515	264	588529	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	2206070	89.099	ng	0.00
7) Phenol-d6	6.522	99	2689859	85.675	ng	0.00
23) Nitrobenzene-d5	7.457	82	1659889	61.649	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	563731	74.363	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2882091	60.184	ng	0.00
79) Terphenyl-d14	12.992	244	2207018	48.781	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	346780	6.874	ng	96
75) Fluoranthene	12.615	202	393607	7.651	ng	98
78) Pyrene	12.845	202	404932	6.551	ng	97
81) Benzo(a)anthracene	14.033	228	200089	4.352	ng	95
83) Chrysene	14.068	228	202983	4.632	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	78373	2.043	ng	94
88) Benzo(b)fluoranthene	15.080	252	191999m	5.532	ng	
89) Benzo(k)fluoranthene	15.109	252	84511m	2.485	ng	
90) Benzo(a)pyrene	15.451	252	139395	4.675	ng	99
92) Benzo(g,h,i)perylene	17.433	276	87815	2.696	ng	99

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

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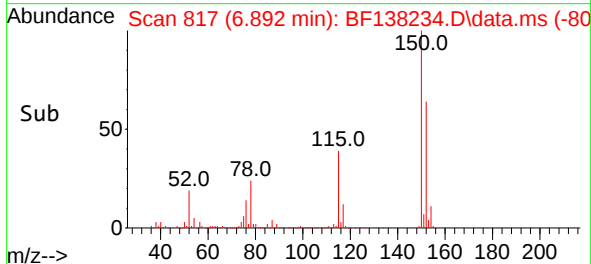
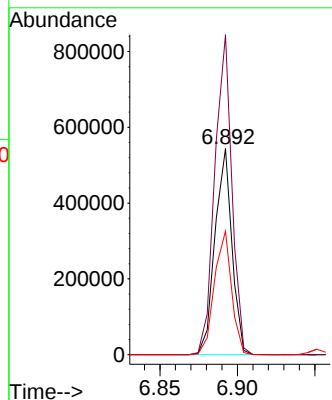
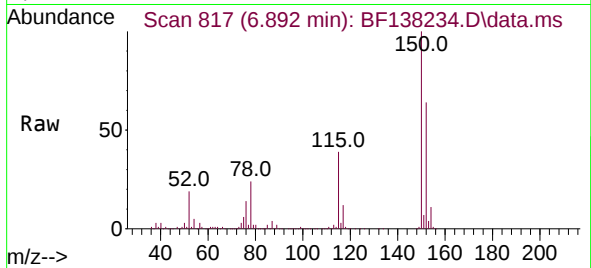




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF138234.D
Acq: 18 Jun 2024 19:59

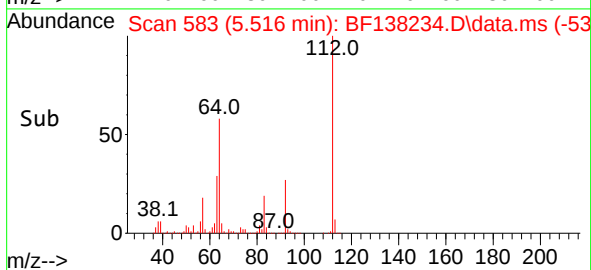
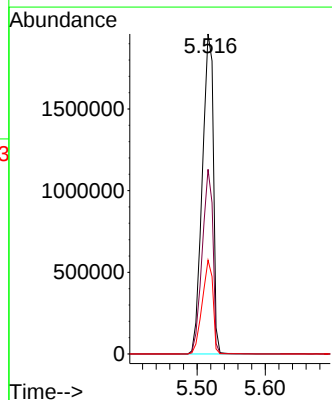
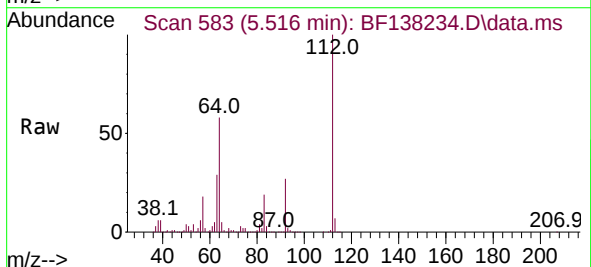
Instrument :
BNA_F
ClientSampleId :
ROAD

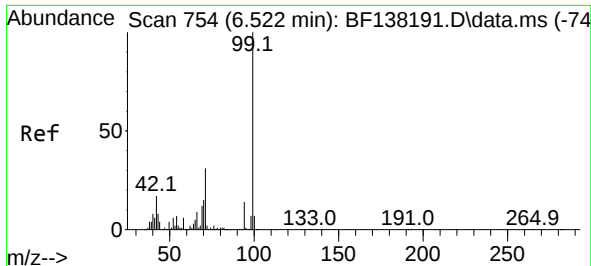
Tgt Ion:152 Resp: 414186
Ion Ratio Lower Upper
152 100
150 155.3 125.0 187.4
115 59.9 48.4 72.6



#5
2-Fluorophenol
Concen: 89.099 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF138234.D
Acq: 18 Jun 2024 19:59

Tgt Ion:112 Resp: 2206070
Ion Ratio Lower Upper
112 100
64 57.7 45.2 67.8
63 29.3 22.9 34.3

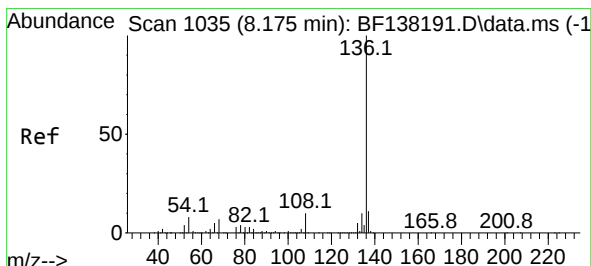
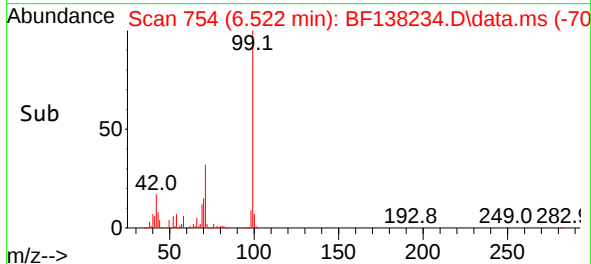
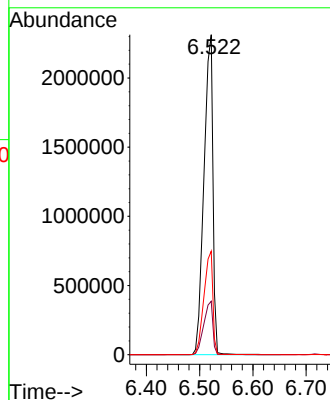
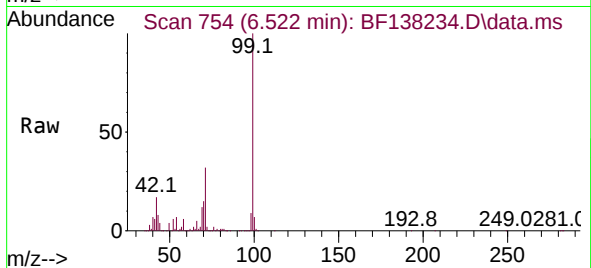




#7
Phenol-d6
Concen: 85.675 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF138234.D
Acq: 18 Jun 2024 19:59

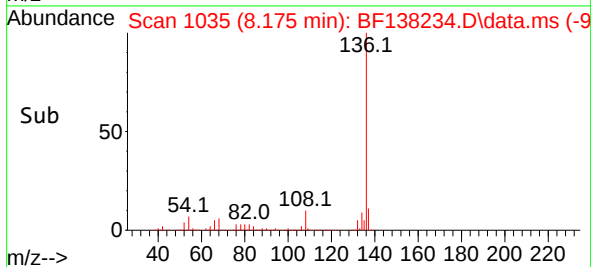
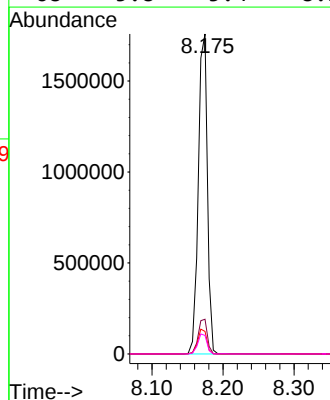
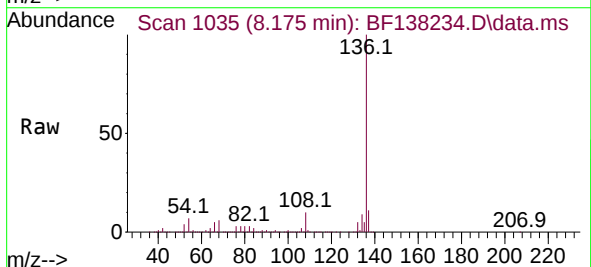
Instrument :
BNA_F
ClientSampleId :
ROAD

Tgt Ion: 99 Resp: 2689859
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 32.4 25.0 37.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF138234.D
Acq: 18 Jun 2024 19:59

Tgt Ion: 136 Resp: 1567476
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 7.1 6.6 10.0
68 5.8 5.4 8.2





#23

Nitrobenzene-d5

Concen: 61.649 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.000 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

Instrument :

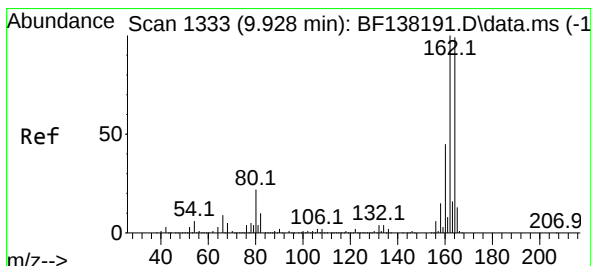
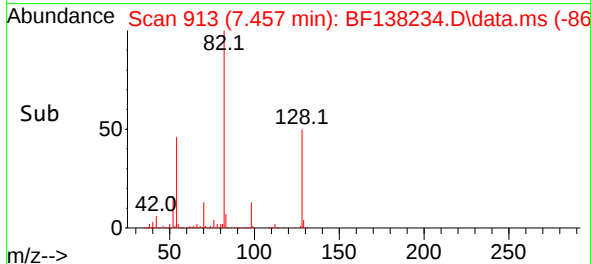
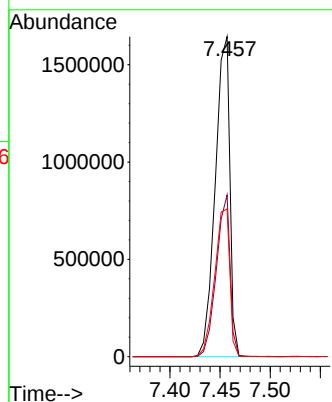
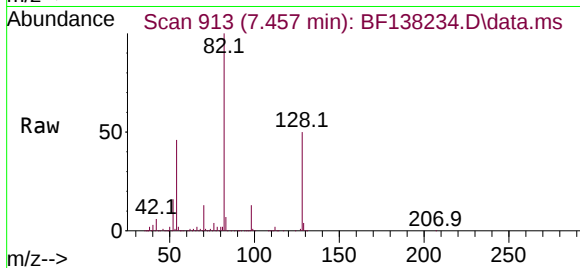
BNA_F

ClientSampleId :

ROAD

Tgt Ion: 82 Resp: 1659889

Ion	Ratio	Lower	Upper
82	100		
128	50.5	37.2	55.8
54	46.1	39.8	59.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

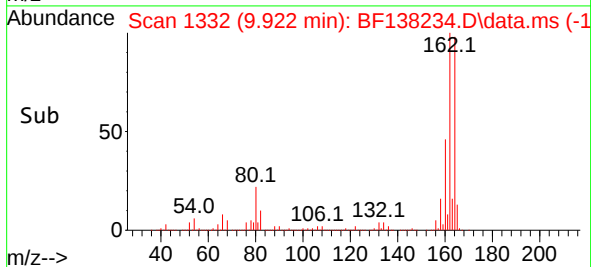
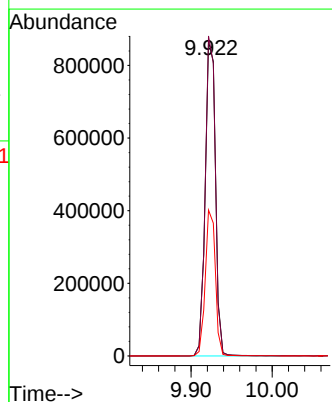
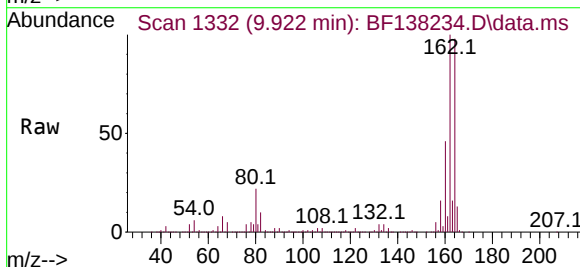
Delta R.T. -0.006 min

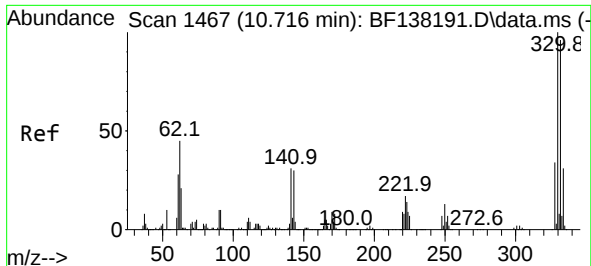
Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

Tgt Ion: 164 Resp: 761486

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	121.0
160	46.4	36.3	54.5





#42

2,4,6-Tribromophenol

Concen: 74.363 ng

RT: 10.710 min Scan# 1467

Delta R.T. -0.006 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

Instrument :

BNA_F

ClientSampleId :

ROAD

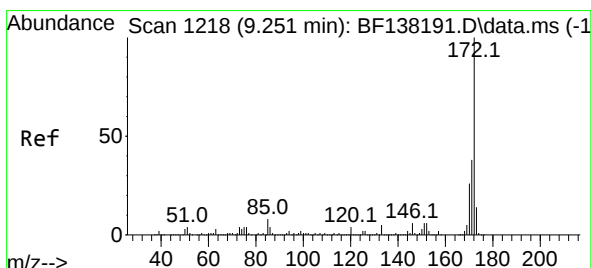
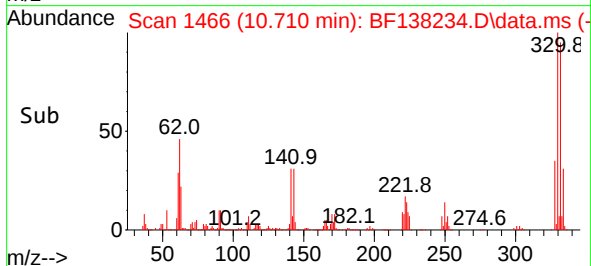
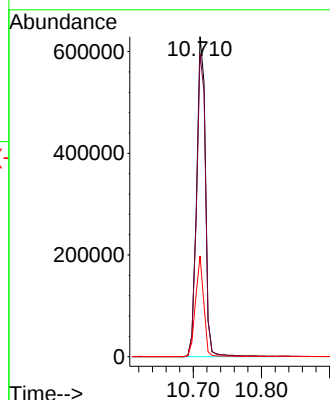
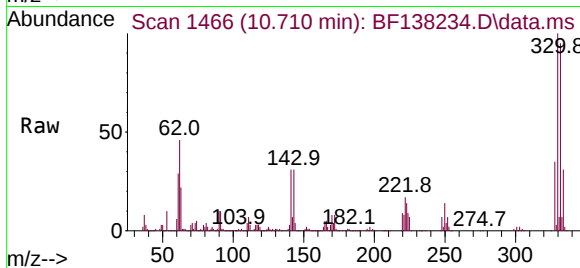
Tgt Ion:330 Resp: 563731

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

141 29.3 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 60.184 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

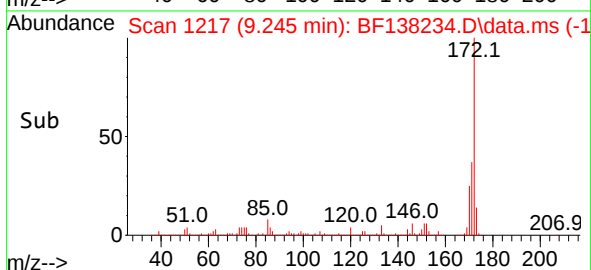
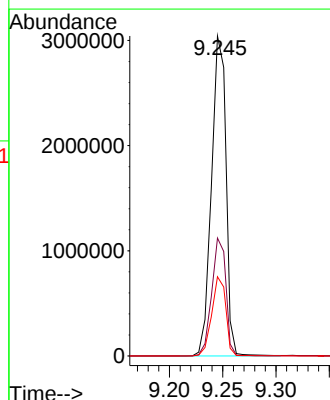
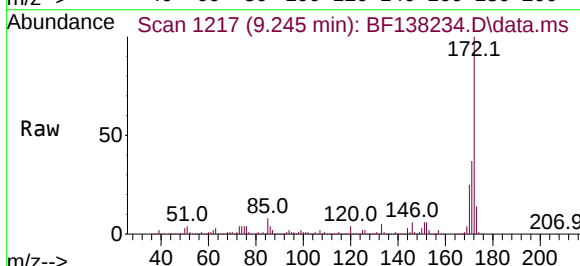
Tgt Ion:172 Resp: 2882091

Ion Ratio Lower Upper

172 100

171 36.9 30.3 45.5

170 24.7 20.6 30.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

Instrument :

BNA_F

ClientSampleId :

ROAD

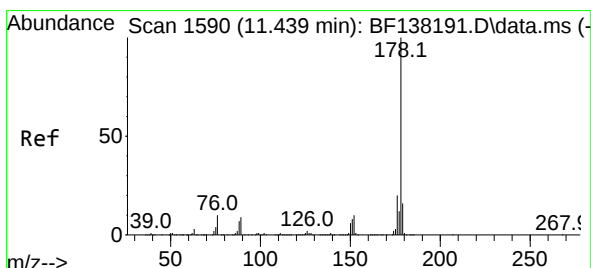
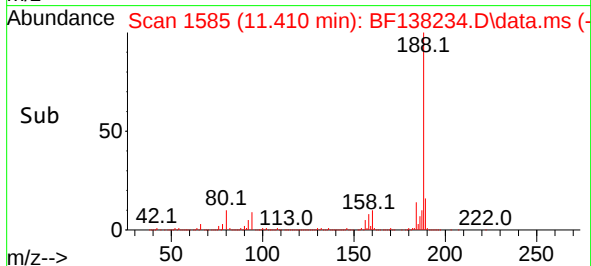
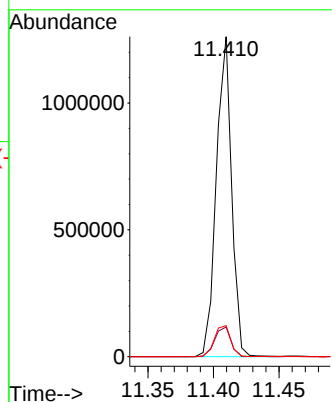
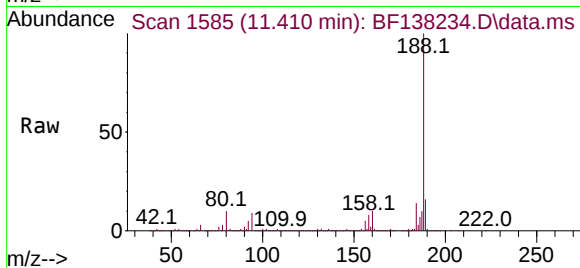
Tgt Ion:188 Resp: 1020122

Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 9.7 8.1 12.1



#71

Phenanthrene

Concen: 6.874 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

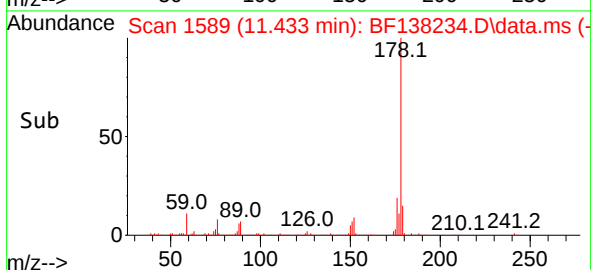
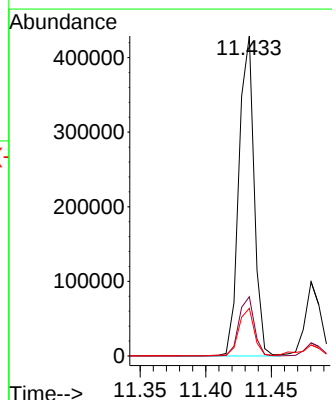
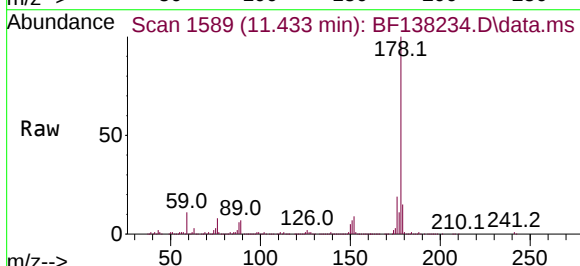
Tgt Ion:178 Resp: 346780

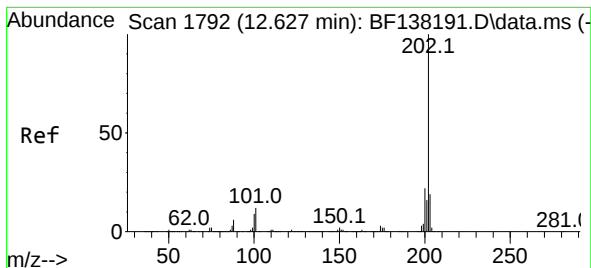
Ion Ratio Lower Upper

178 100

176 18.5 16.4 24.6

179 14.9 13.1 19.7





#75

Fluoranthene

Concen: 7.651 ng

RT: 12.615 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

Instrument :

BNA_F

ClientSampleId :

ROAD

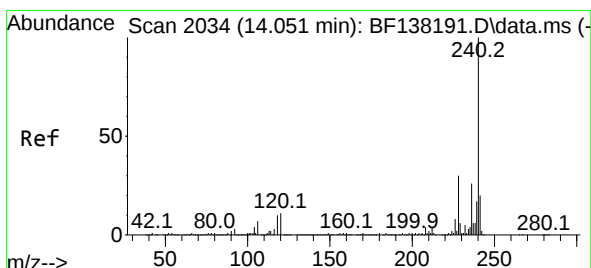
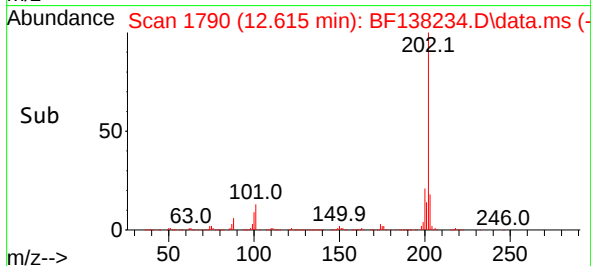
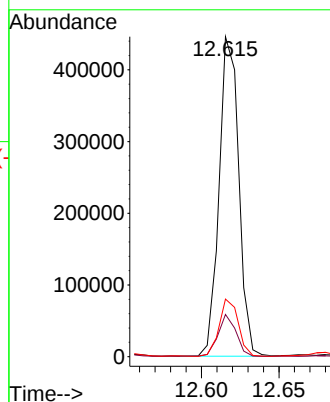
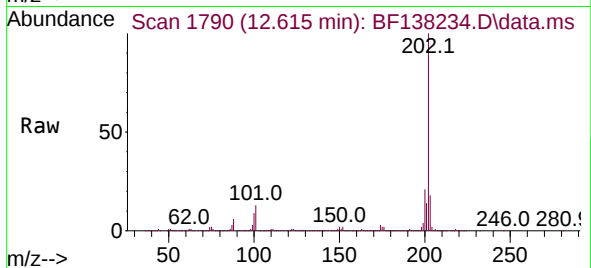
Tgt Ion:202 Resp: 393607

Ion Ratio Lower Upper

202 100

101 13.2 0.0 31.8

203 18.0 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

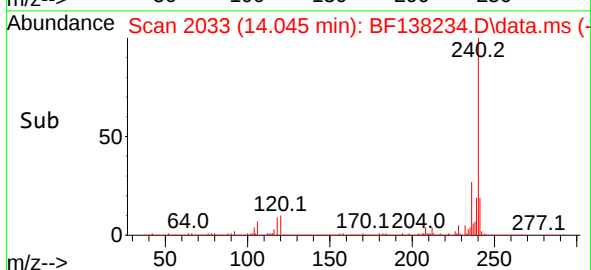
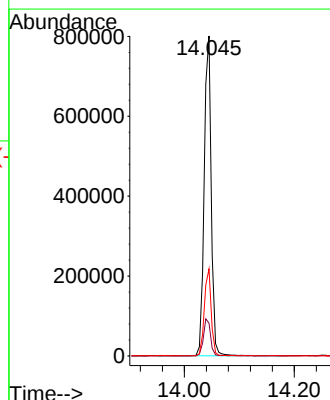
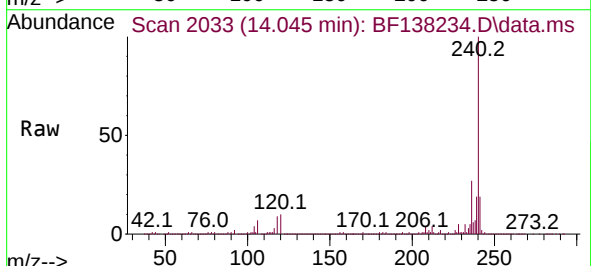
Tgt Ion:240 Resp: 716573

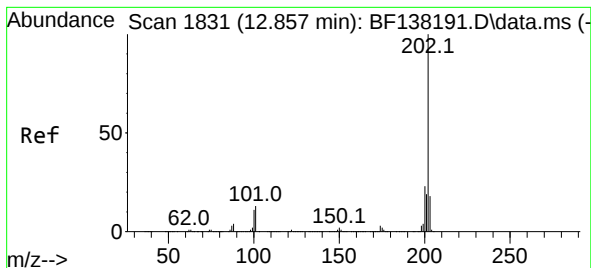
Ion Ratio Lower Upper

240 100

120 10.2 9.2 13.8

236 27.2 21.0 31.6





#78

Pyrene

Concen: 6.551 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

Instrument :

BNA_F

ClientSampleId :

ROAD

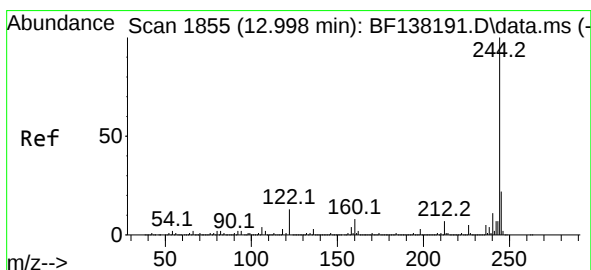
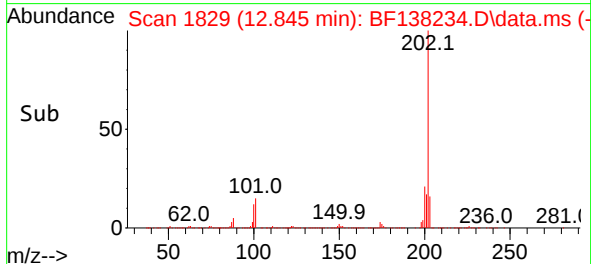
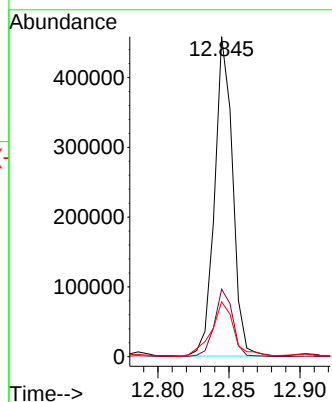
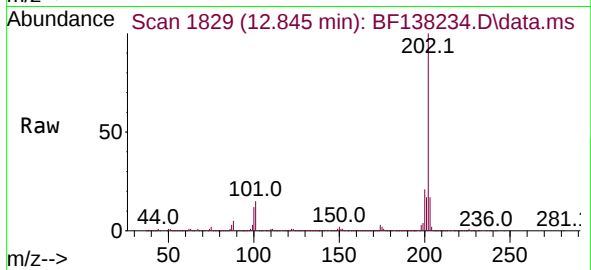
Tgt Ion:202 Resp: 404932

Ion Ratio Lower Upper

202 100

200 21.1 18.0 27.0

203 17.1 14.7 22.1



#79

Terphenyl-d14

Concen: 48.781 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

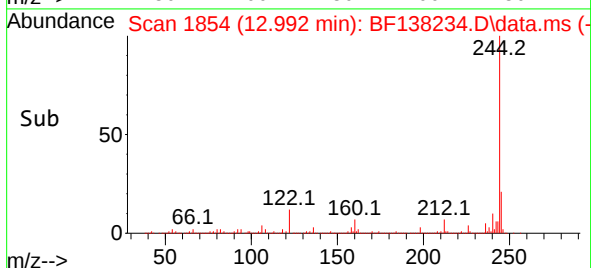
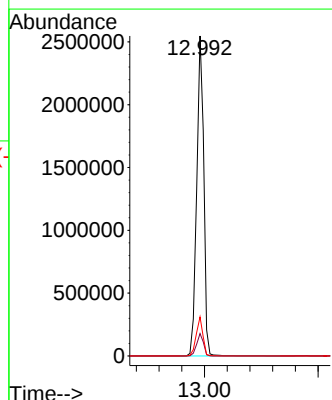
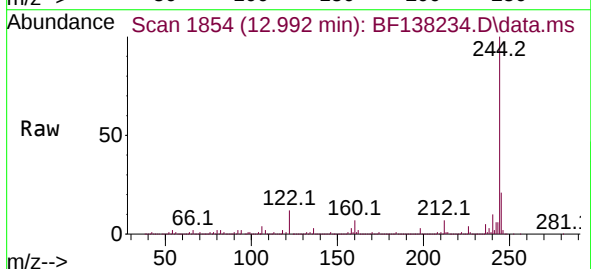
Tgt Ion:244 Resp: 2207018

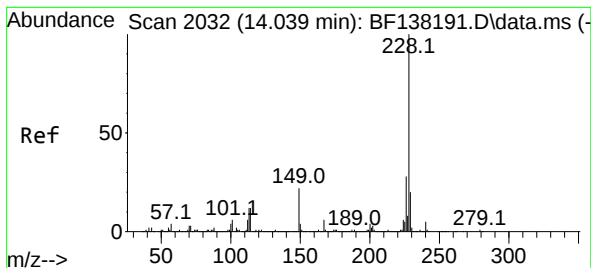
Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 12.2 10.6 15.8





#81

Benzo(a)anthracene

Concen: 4.352 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

Instrument :

BNA_F

ClientSampleId :

ROAD

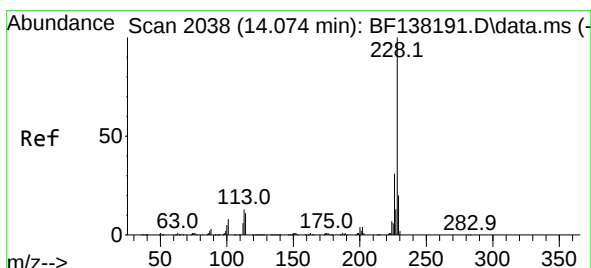
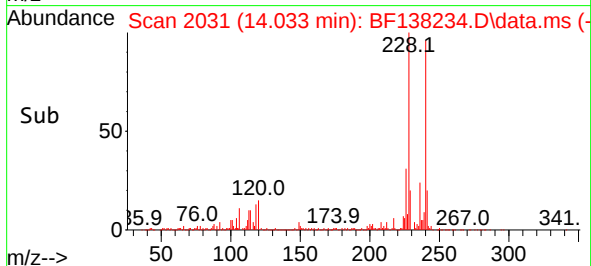
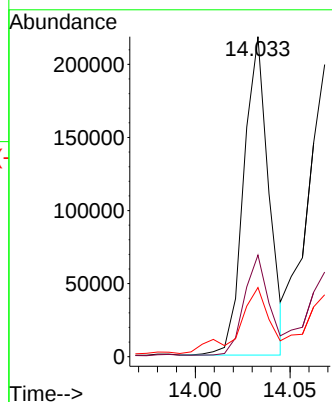
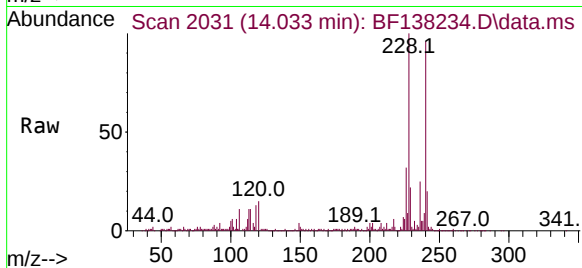
Tgt Ion:228 Resp: 200089

Ion Ratio Lower Upper

228 100

226 31.8 22.5 33.7

229 21.6 16.3 24.5



#83

Chrysene

Concen: 4.632 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

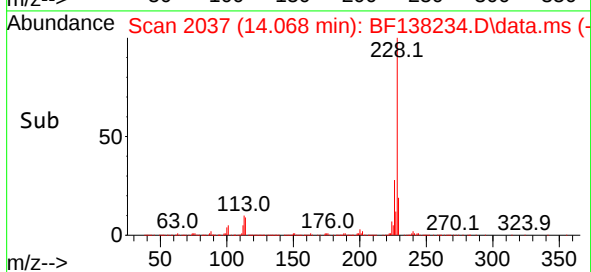
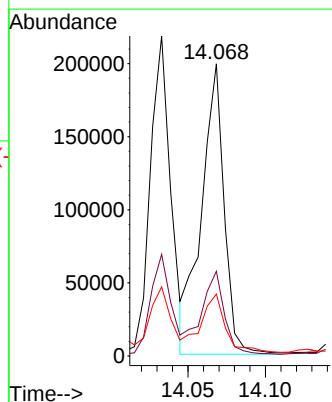
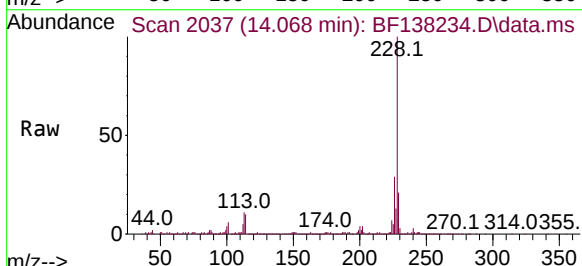
Tgt Ion:228 Resp: 202983

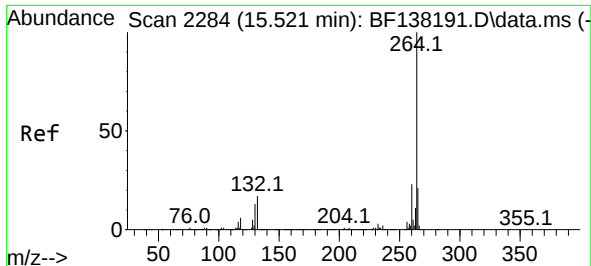
Ion Ratio Lower Upper

228 100

226 28.9 24.5 36.7

229 21.2 16.3 24.5

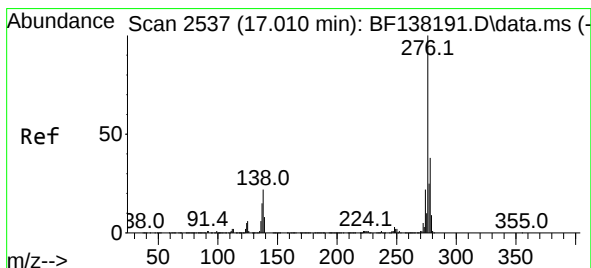
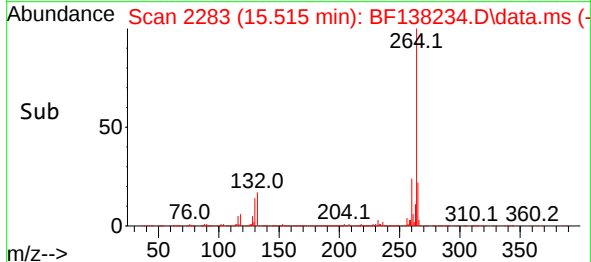
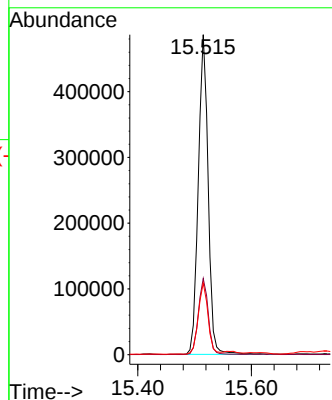
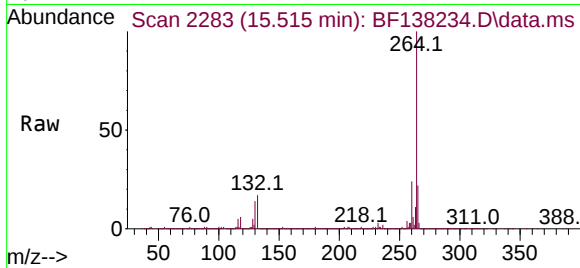




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138234.D
Acq: 18 Jun 2024 19:59

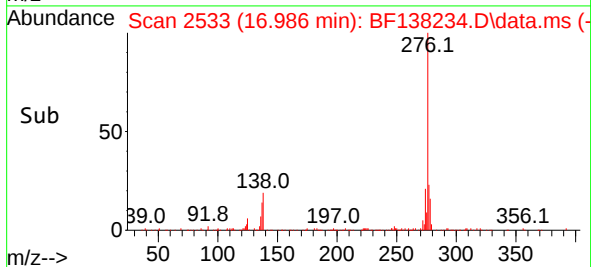
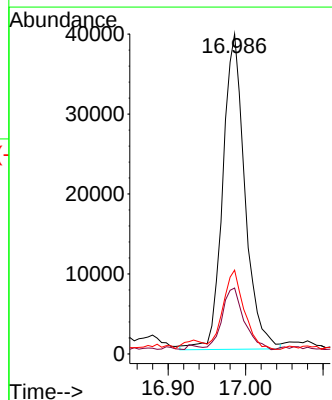
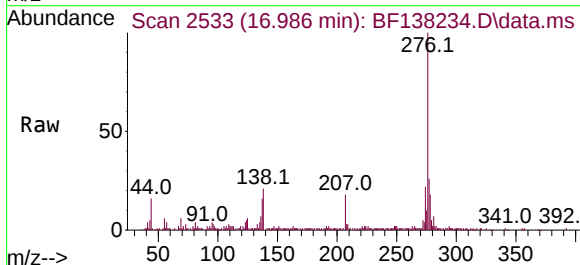
Instrument :
BNA_F
ClientSampleId :
ROAD

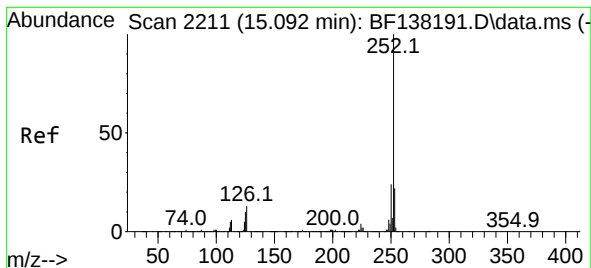
Tgt Ion:264 Resp: 588529
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 22.4 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.043 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.024 min
Lab File: BF138234.D
Acq: 18 Jun 2024 19:59

Tgt Ion:276 Resp: 78373
Ion Ratio Lower Upper
276 100
138 19.4 19.3 28.9
277 24.1 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 5.532 ng m

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

Instrument :

BNA_F

ClientSampleId :

ROAD

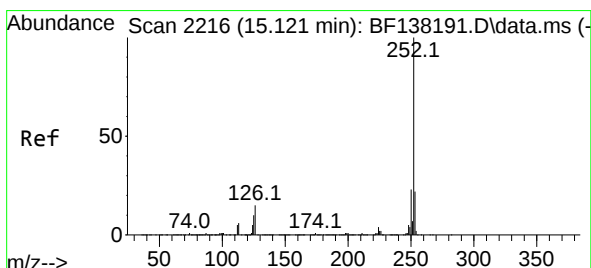
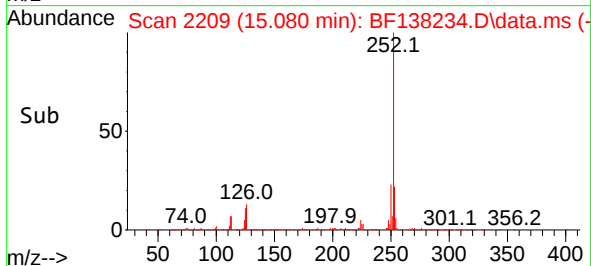
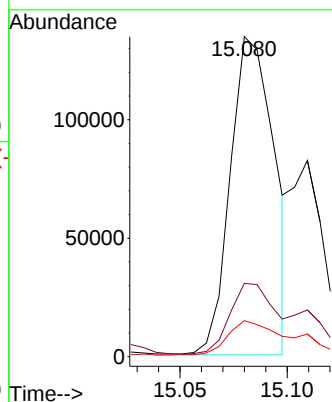
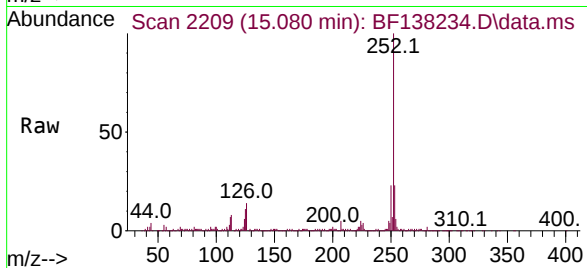
Tgt Ion:252 Resp: 191999

Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 11.3 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 2.485 ng m

RT: 15.109 min Scan# 2214

Delta R.T. -0.012 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

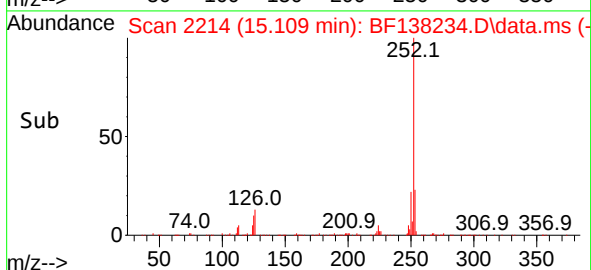
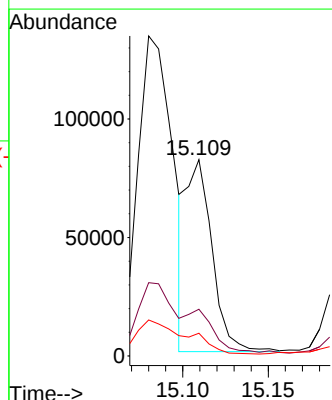
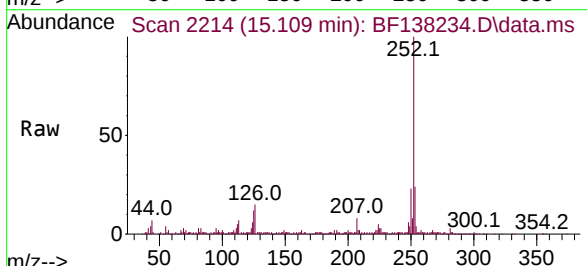
Tgt Ion:252 Resp: 84511

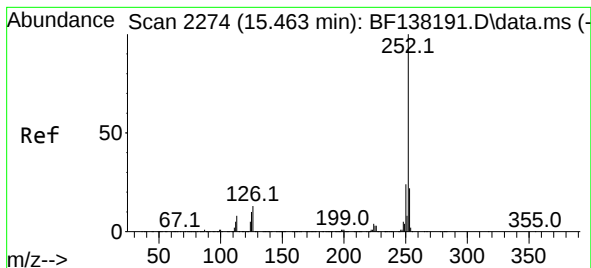
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 11.6 8.0 12.0





#90

Benzo(a)pyrene

Concen: 4.675 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

Instrument :

BNA_F

ClientSampleId :

ROAD

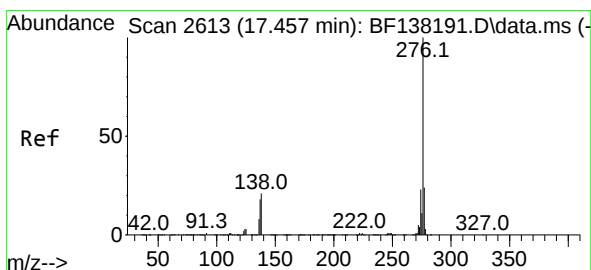
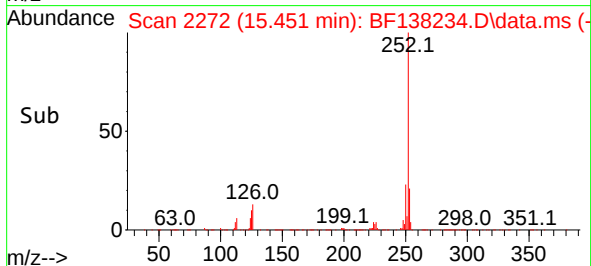
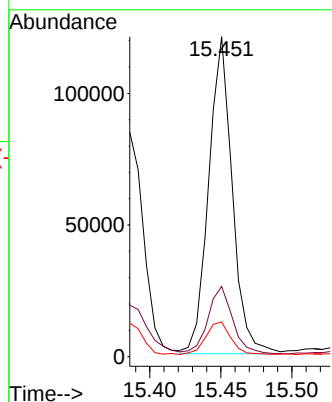
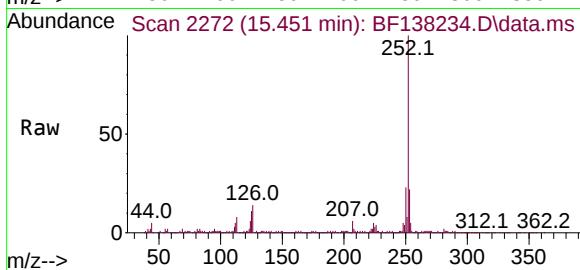
Tgt Ion:252 Resp: 139395

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 10.9 8.2 12.2



#92

Benzo(g,h,i)perylene

Concen: 2.696 ng

RT: 17.433 min Scan# 2609

Delta R.T. -0.024 min

Lab File: BF138234.D

Acq: 18 Jun 2024 19:59

Tgt Ion:276 Resp: 87815

Ion Ratio Lower Upper

276 100

277 23.6 19.5 29.3

138 21.1 16.6 24.8

