

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
 Data File : BF138237.D
 Acq On : 18 Jun 2024 21:28
 Operator : CG\JU
 Sample : P2885-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-061424

Quant Time: Jun 19 01:25:26 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

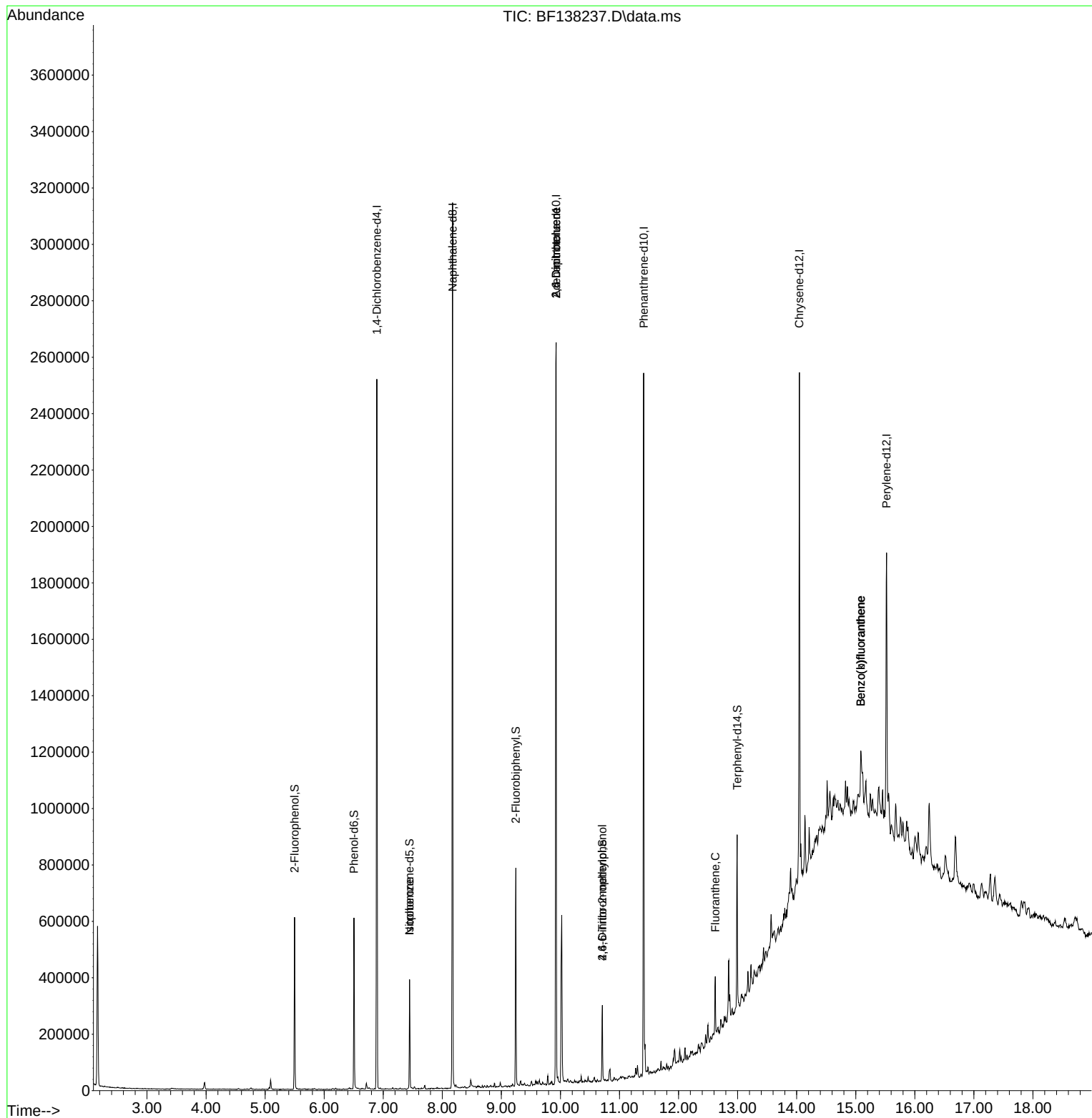
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	352989	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1251416	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	562485	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	817691	20.000	ng	0.00
76) Chrysene-d12	14.045	240	537275	20.000	ng	0.00
86) Perylene-d12	15.521	264	453643	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	153094	7.255	ng	-0.01
7) Phenol-d6	6.504	99	184624	6.900	ng	-0.02
23) Nitrobenzene-d5	7.445	82	102270	4.758	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	31525	5.630	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	227826	6.441	ng	0.00
79) Terphenyl-d14	12.992	244	198737	5.859	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.445	82	100869	2.594	ng	# 62
51) 2,6-Dinitrotoluene	9.927	165	74631	9.982	ng	# 25
57) 2,4-Dinitrotoluene	9.927	165	74631	8.093	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.710	198	54	6.945	ng	# 1
75) Fluoranthene	12.621	202	84771	2.056	ng	100
88) Benzo(b)fluoranthene	15.086	252	76029	2.842	ng	# 66
89) Benzo(k)fluoranthene	15.086	252	76029	2.900	ng	# 67

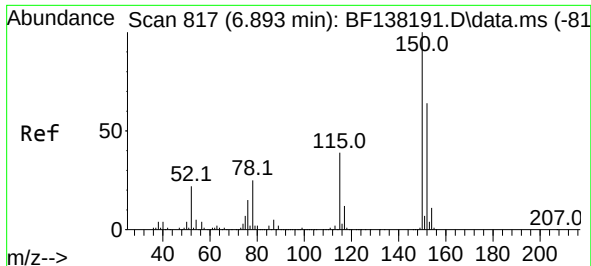
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
CL-02-061424

Quant Time: Jun 19 01:25:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

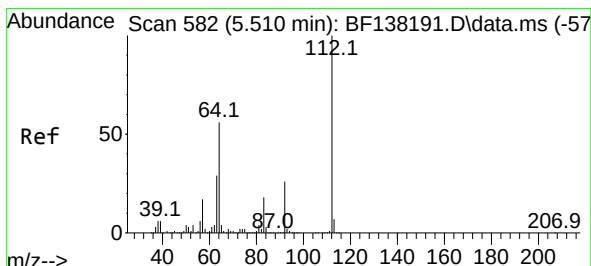
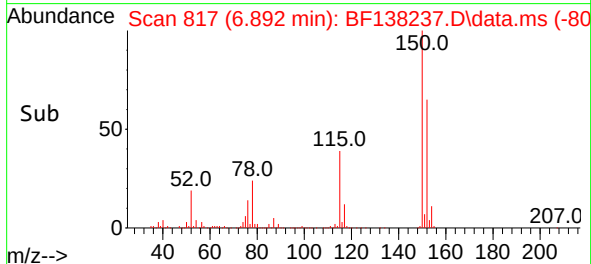
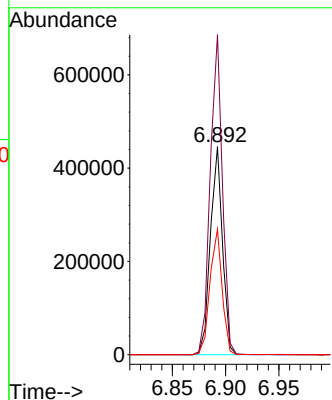
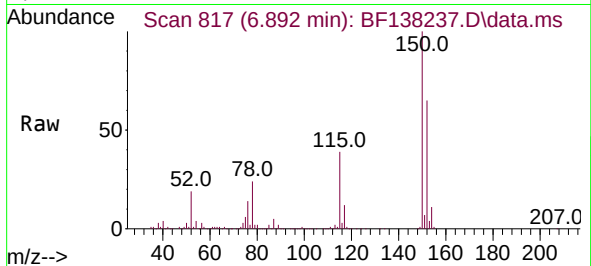




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF138237.D
Acq: 18 Jun 2024 21:28

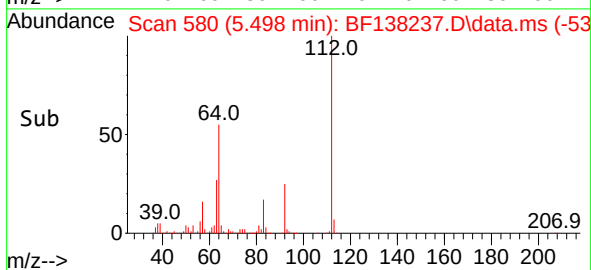
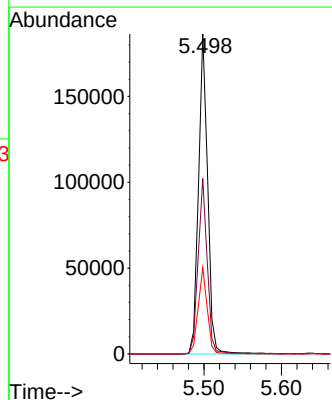
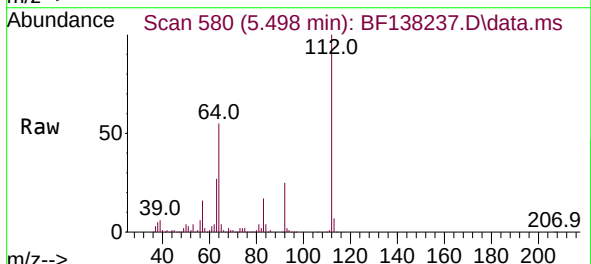
Instrument :
BNA_F
ClientSampleId :
CL-02-061424

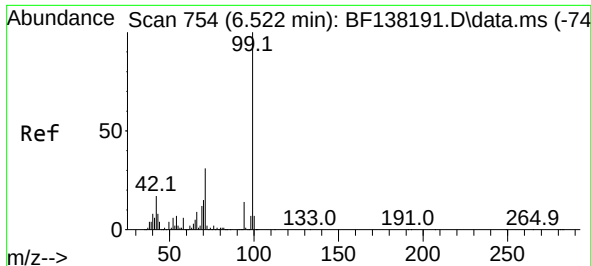
Tgt Ion:152 Resp: 352989
Ion Ratio Lower Upper
152 100
150 153.8 125.0 187.4
115 60.3 48.4 72.6



#5
2-Fluorophenol
Concen: 7.255 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138237.D
Acq: 18 Jun 2024 21:28

Tgt Ion:112 Resp: 153094
Ion Ratio Lower Upper
112 100
64 54.9 45.2 67.8
63 26.9 22.9 34.3





#7

Phenol-d6

Concen: 6.900 ng

RT: 6.504 min Scan# 70

Delta R.T. -0.018 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

Instrument :

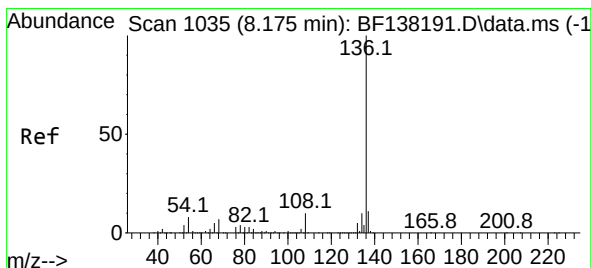
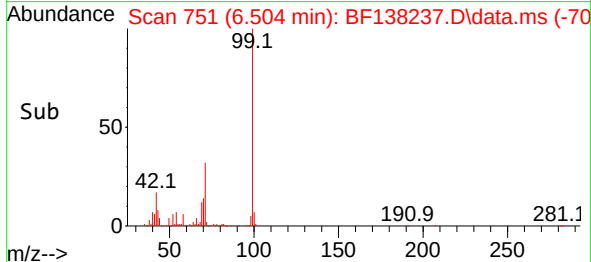
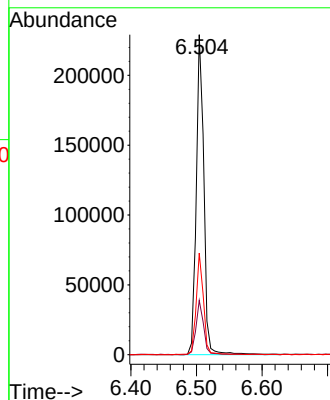
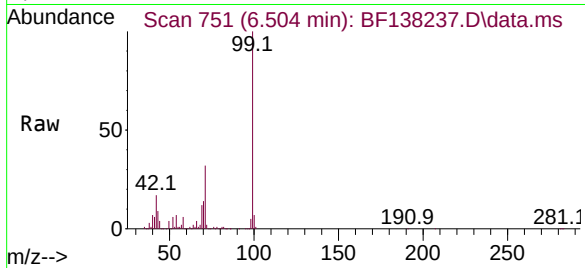
BNA_F

ClientSampleId :

CL-02-061424

Tgt Ion: 99 Resp: 184624

Ion	Ratio	Lower	Upper
99	100		
42	16.9	13.7	20.5
71	31.8	25.0	37.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1035

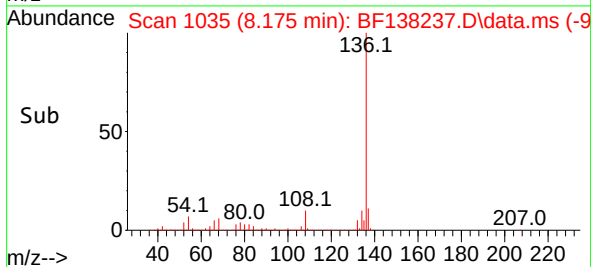
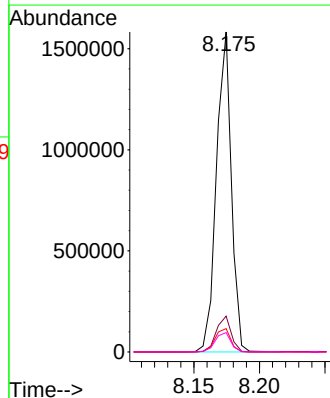
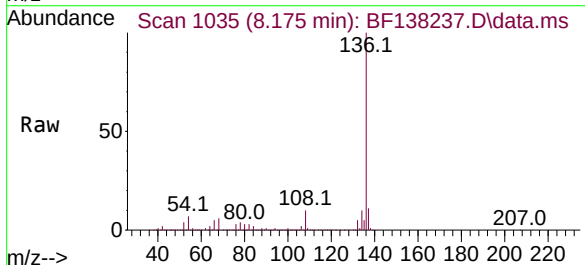
Delta R.T. -0.000 min

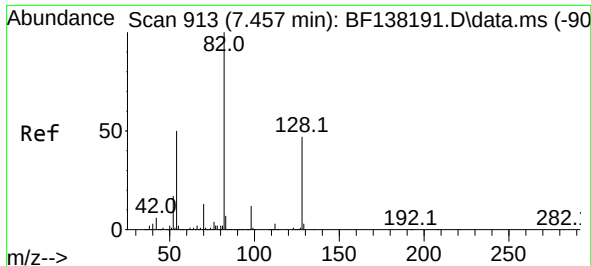
Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

Tgt Ion: 136 Resp: 1251416

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.3	6.6	10.0
68	6.0	5.4	8.2





#23

Nitrobenzene-d5

Concen: 4.758 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

Instrument :

BNA_F

ClientSampleId :

CL-02-061424

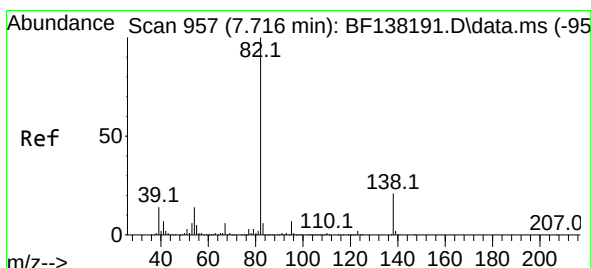
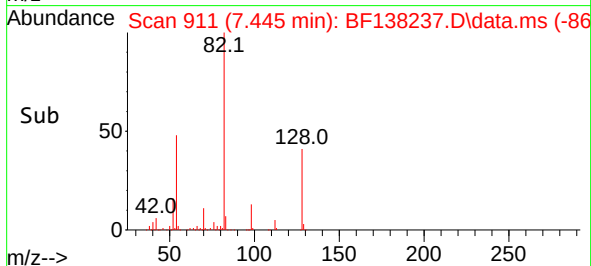
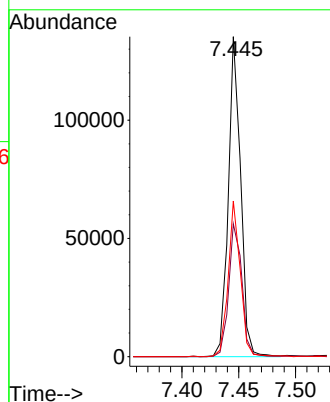
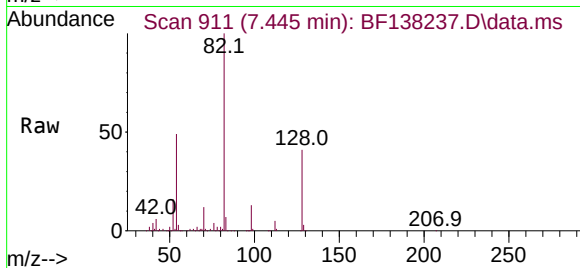
Tgt Ion: 82 Resp: 102270

Ion Ratio Lower Upper

82 100

128 41.5 37.2 55.8

54 48.7 39.8 59.6



#25

Isophorone

Concen: 2.594 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.271 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

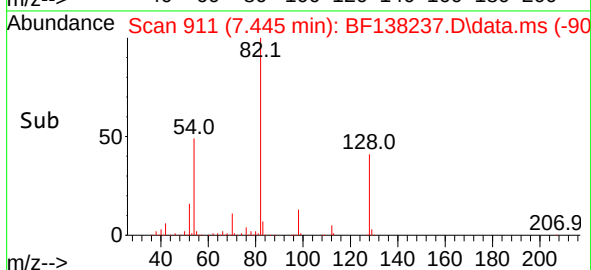
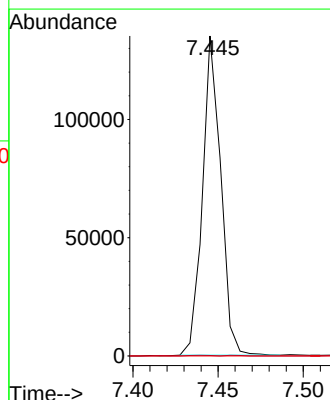
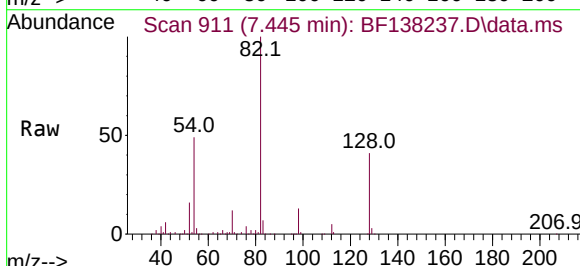
Tgt Ion: 82 Resp: 100869

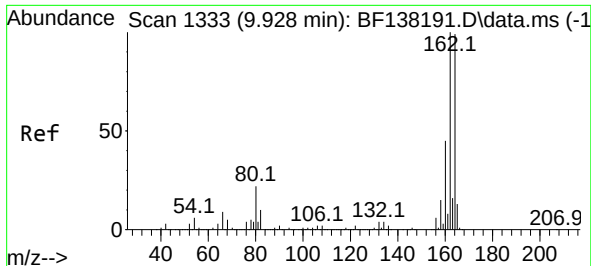
Ion Ratio Lower Upper

82 100

95 0.2 5.6 8.4#

138 0.0 16.4 24.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.927 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138237.D

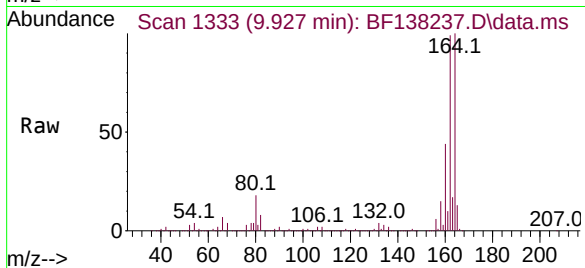
Acq: 18 Jun 2024 21:28

Instrument :

BNA_F

ClientSampleId :

CL-02-061424



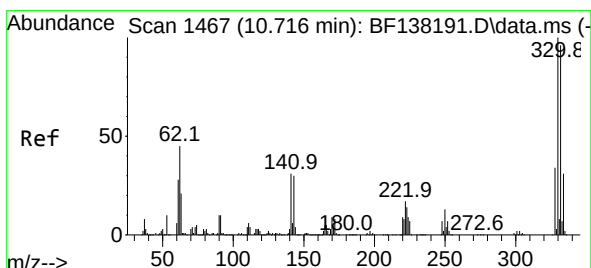
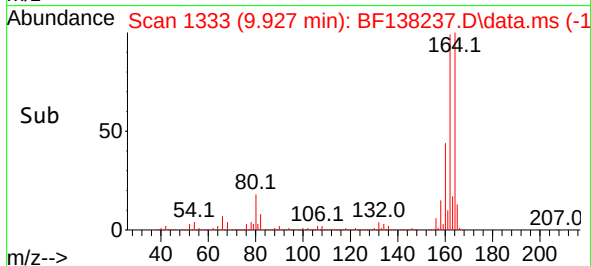
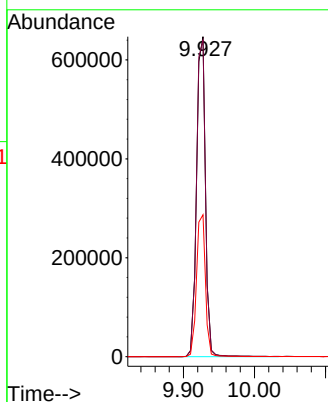
Tgt Ion:164 Resp: 562485

Ion Ratio Lower Upper

164 100

162 98.9 80.6 121.0

160 44.4 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 5.630 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

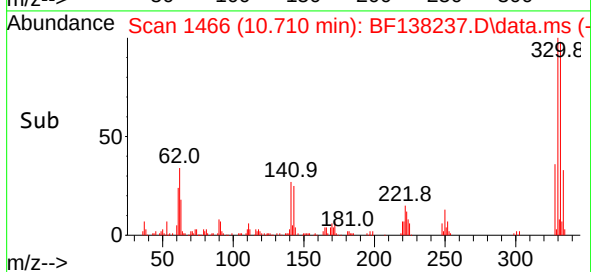
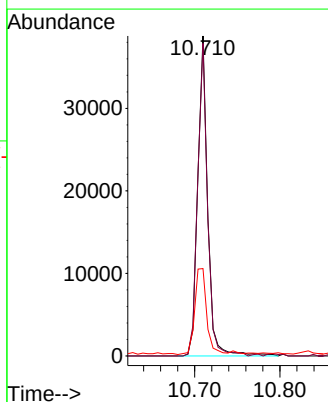
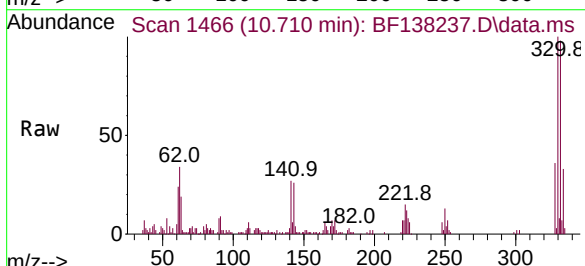
Tgt Ion:330 Resp: 31525

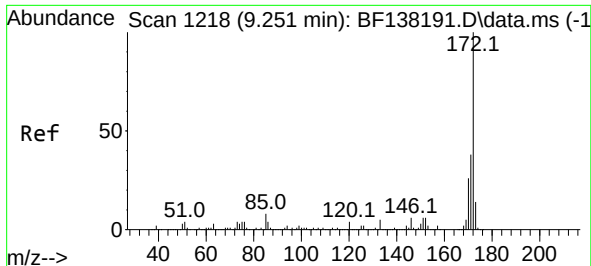
Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

141 32.2 23.9 35.9





#45

2-Fluorobiphenyl

Concen: 6.441 ng

RT: 9.245 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

Instrument :

BNA_F

ClientSampleId :

CL-02-061424

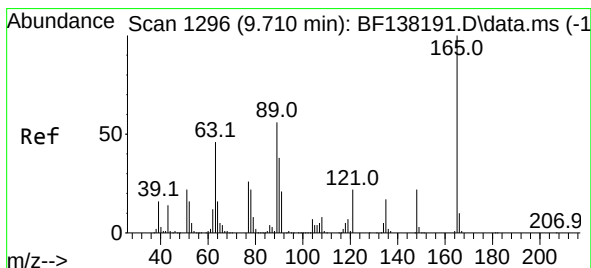
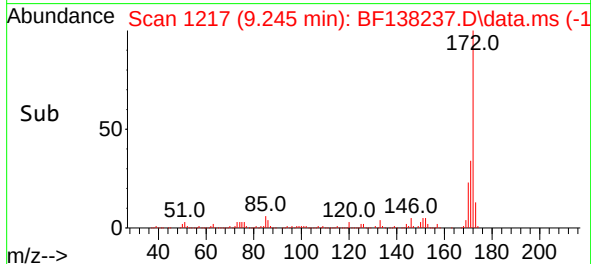
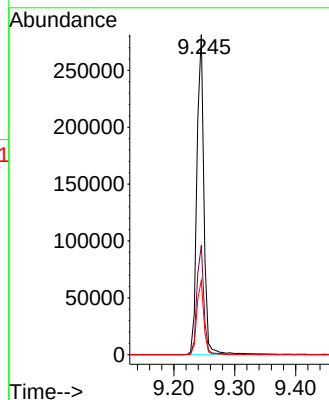
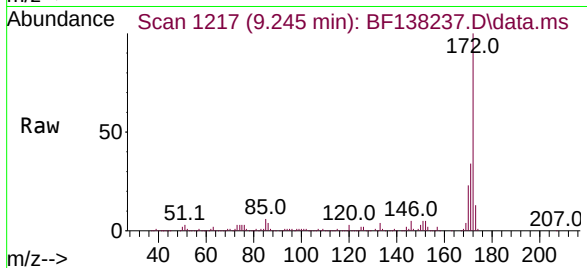
Tgt Ion:172 Resp: 227826

Ion Ratio Lower Upper

172 100

171 34.1 30.3 45.5

170 23.2 20.6 30.8



#51

2,6-Dinitrotoluene

Concen: 9.982 ng

RT: 9.927 min Scan# 1333

Delta R.T. 0.217 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

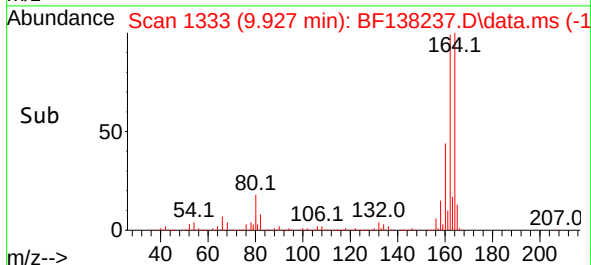
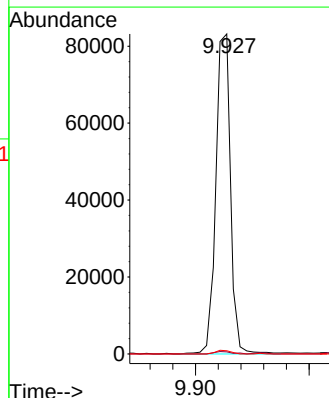
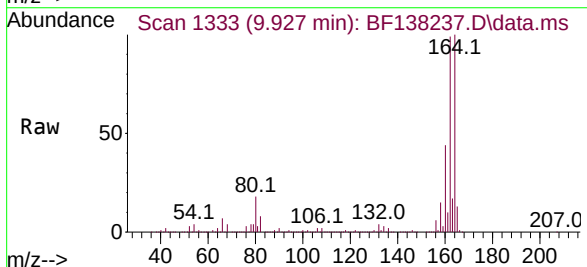
Tgt Ion:165 Resp: 74631

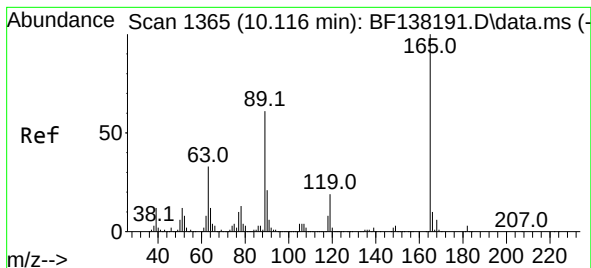
Ion Ratio Lower Upper

165 100

63 0.7 43.7 65.5#

89 1.0 44.9 67.3#





#57

2,4-Dinitrotoluene

Concen: 8.093 ng

RT: 9.927 min Scan# 1

Delta R.T. -0.188 min

Lab File: BF138237.D

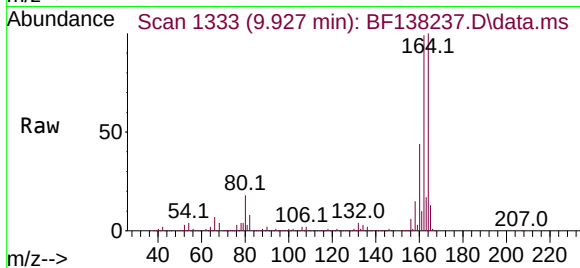
Acq: 18 Jun 2024 21:28

Instrument :

BNA_F

ClientSampleId :

CL-02-061424



Tgt Ion:165 Resp: 74631

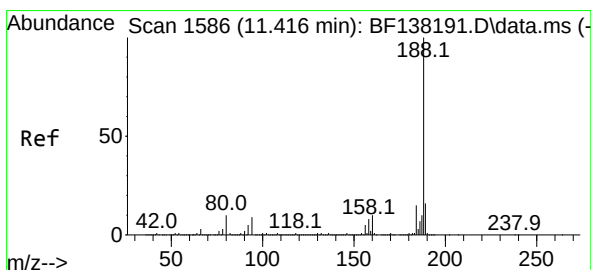
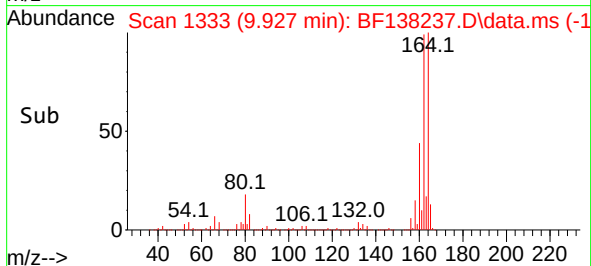
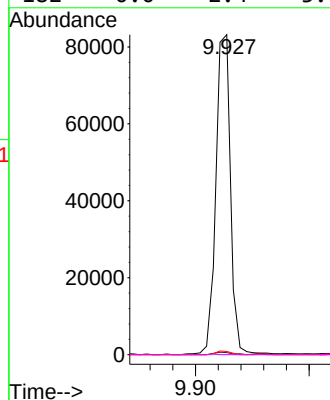
Ion Ratio Lower Upper

165 100

63 0.7 26.6 39.8#

89 1.0 48.7 73.1#

182 0.0 2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

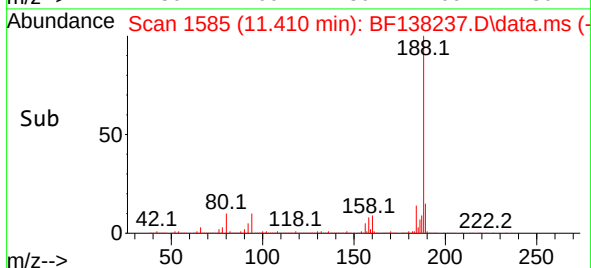
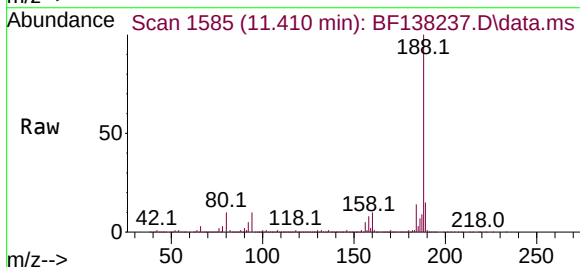
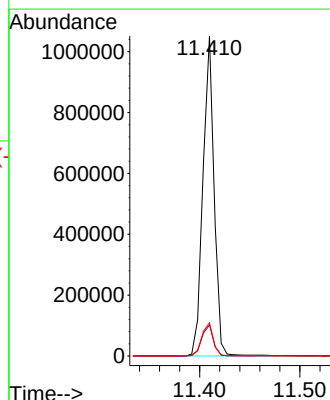
Tgt Ion:188 Resp: 817691

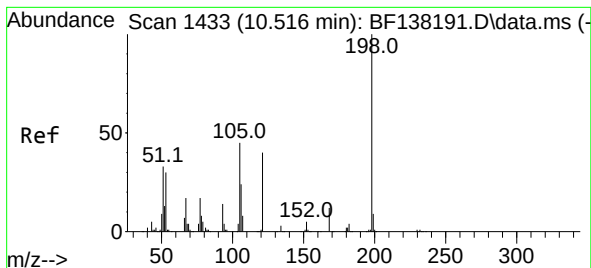
Ion Ratio Lower Upper

188 100

94 9.7 7.6 11.4

80 10.3 8.1 12.1

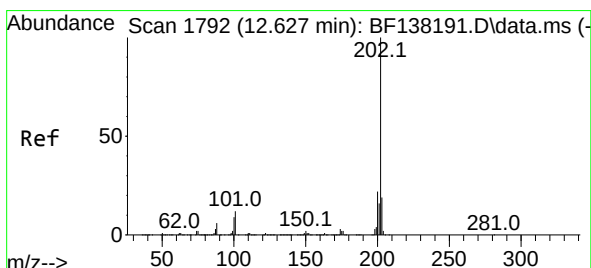
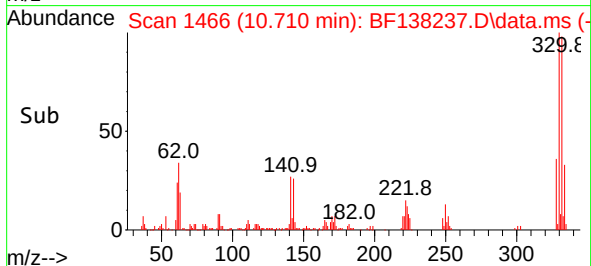
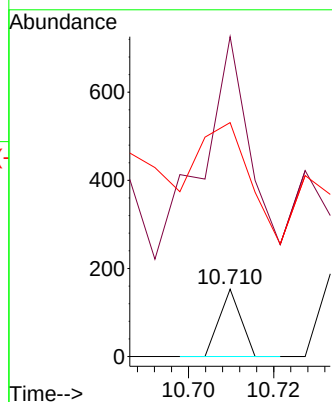
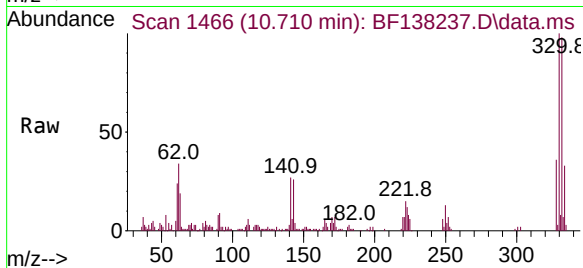




#65
4,6-Dinitro-2-methylphenol
Concen: 6.945 ng
RT: 10.710 min Scan# 1433
Delta R.T. 0.194 min
Lab File: BF138237.D
Acq: 18 Jun 2024 21:28

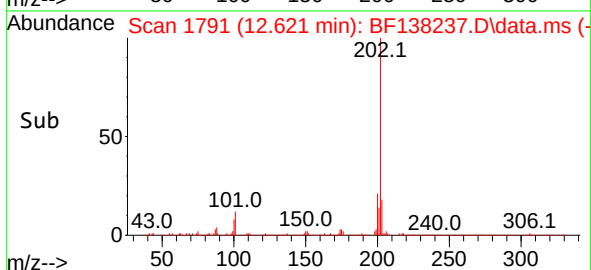
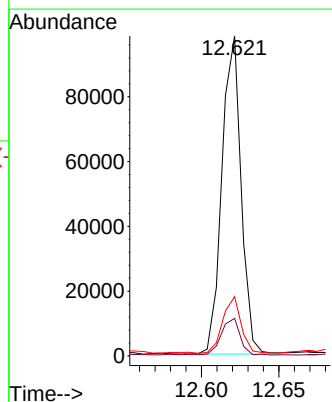
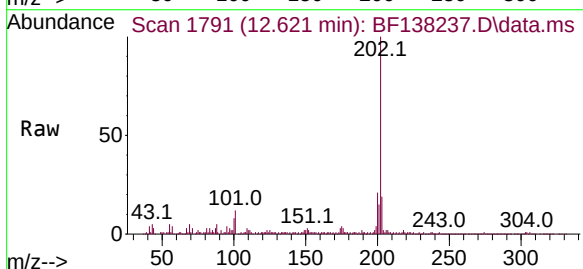
Instrument :
BNA_F
ClientSampleId :
CL-02-061424

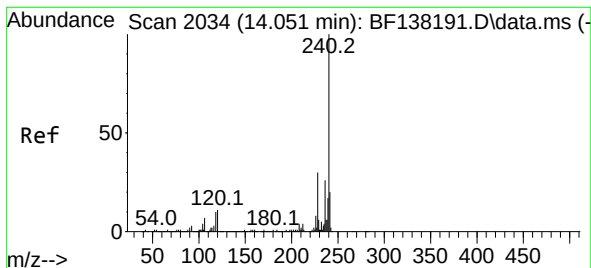
Tgt Ion:198 Resp: 54
Ion Ratio Lower Upper
198 100
51 474.5 26.9 66.9#
105 347.1 26.0 66.0#



#75
Fluoranthene
Concen: 2.056 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF138237.D
Acq: 18 Jun 2024 21:28

Tgt Ion:202 Resp: 84771
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.8
203 18.5 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2034

Delta R.T. -0.006 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

Instrument :

BNA_F

ClientSampleId :

CL-02-061424

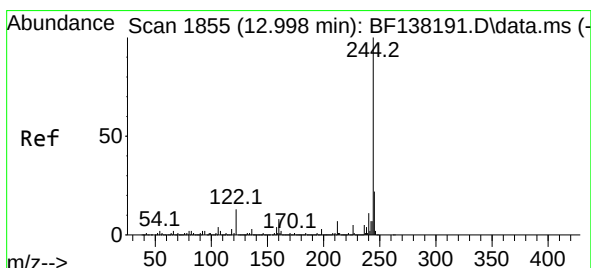
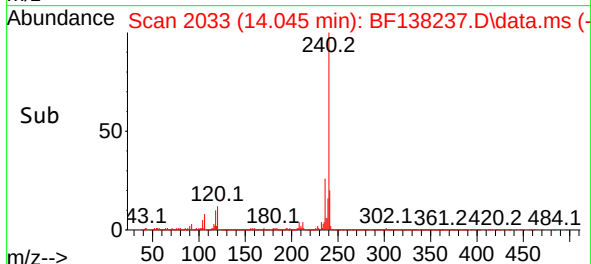
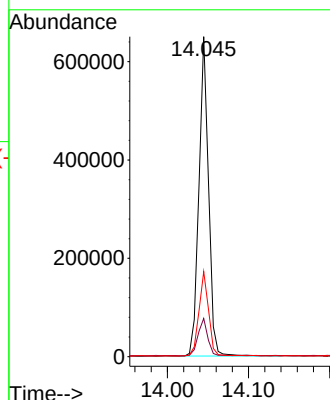
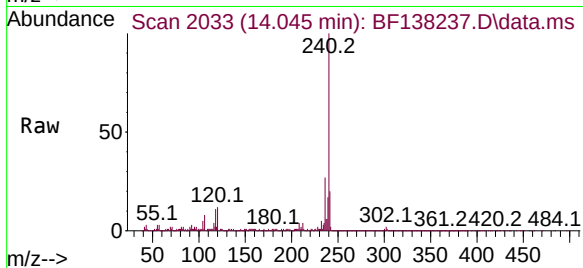
Tgt Ion:240 Resp: 537275

Ion Ratio Lower Upper

240 100

120 12.0 9.2 13.8

236 26.6 21.0 31.6



#79

Terphenyl-d14

Concen: 5.859 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

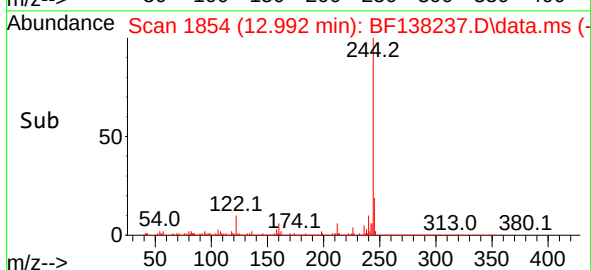
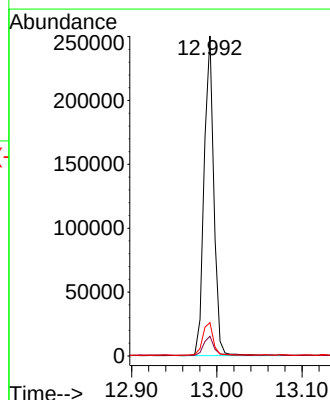
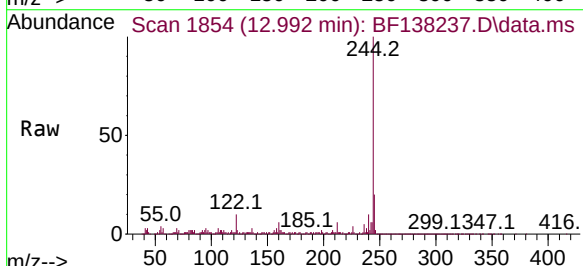
Tgt Ion:244 Resp: 198737

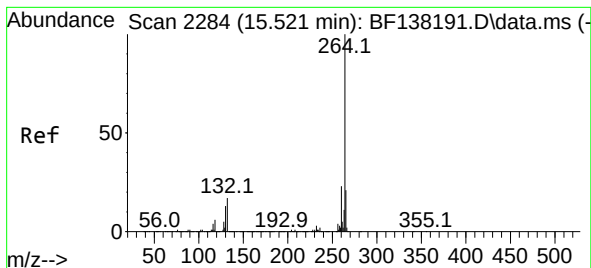
Ion Ratio Lower Upper

244 100

212 6.1 5.9 8.9

122 10.4 10.6 15.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

Instrument :

BNA_F

ClientSampleId :

CL-02-061424

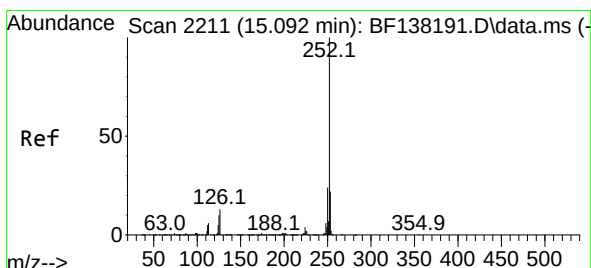
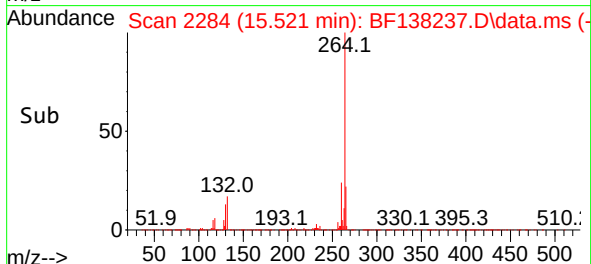
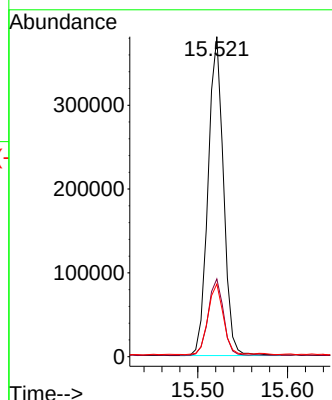
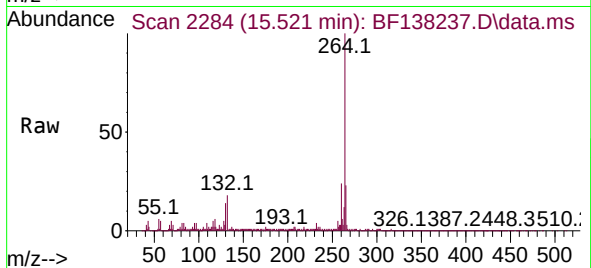
Tgt Ion:264 Resp: 453643

Ion Ratio Lower Upper

264 100

260 24.3 18.7 28.1

265 22.7 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 2.842 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF138237.D

Acq: 18 Jun 2024 21:28

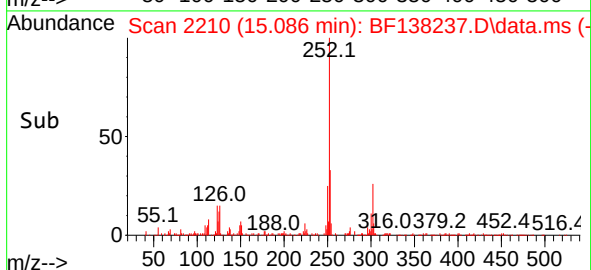
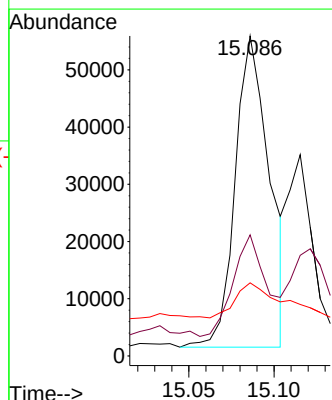
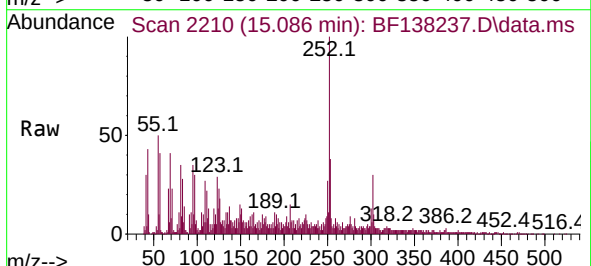
Tgt Ion:252 Resp: 76029

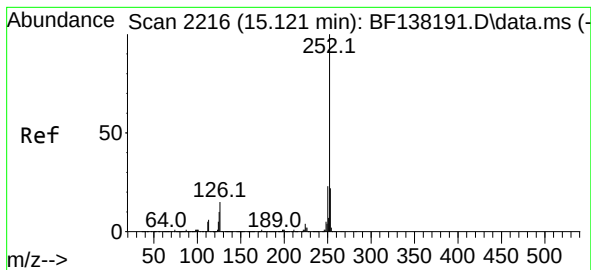
Ion Ratio Lower Upper

252 100

253 37.8 17.7 26.5#

125 22.8 7.8 11.8#





#89

Benzo(k)fluoranthene

Concen: 2.900 ng

RT: 15.086 min Scan# 21

Delta R.T. -0.036 min

Lab File: BF138237.D

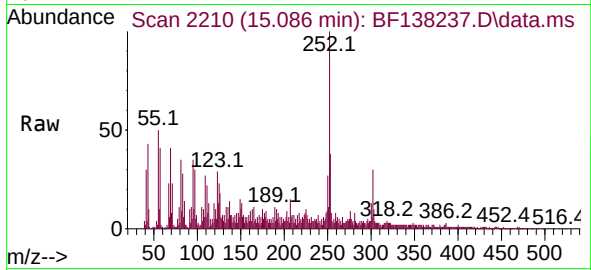
Acq: 18 Jun 2024 21:28

Instrument :

BNA_F

ClientSampleId :

CL-02-061424



Tgt Ion:252 Resp: 76029

Ion Ratio Lower Upper

252 100

253 37.8 17.8 26.8#

125 22.8 8.0 12.0#

