

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138317.D
 Acq On : 24 Jun 2024 18:42
 Operator : CG\JU
 Sample : P2977-21
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OSTL-D3

Quant Time: Jun 25 01:16:43 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

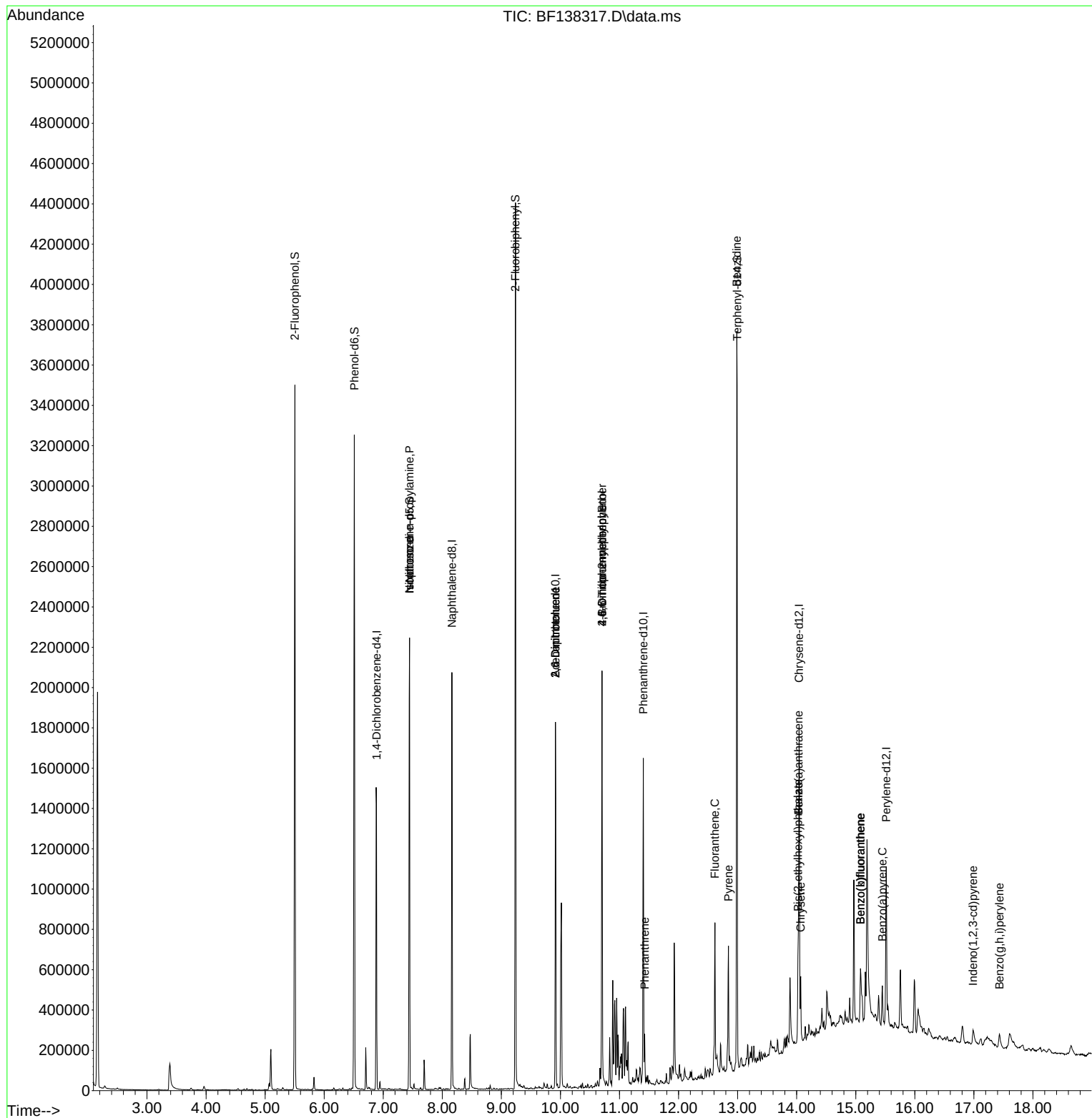
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	228039	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	800824	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	360246	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	546478	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	478740	20.000	ng	-0.01
86) Perylene-d12	15.515	264	366837	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	974586	71.493	ng	0.00
7) Phenol-d6	6.510	99	1173583	67.893	ng	-0.01
23) Nitrobenzene-d5	7.445	82	696878	50.660	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	240505	67.062	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1292655	57.059	ng	-0.01
79) Terphenyl-d14	12.992	244	1325500	43.852	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	91933	8.972	ng	# 74
25) Isophorone	7.445	82	695745	27.962	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	47768	9.976	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	47831	8.099	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	452	7.073	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	15219	2.471	ng	# 1
71) Phenanthrene	11.427	178	79303	2.934	ng	96
75) Fluoranthene	12.616	202	260880	9.467	ng	98
77) Benzidine	12.986	184	16905	3.053	ng	# 95
78) Pyrene	12.845	202	243526	5.897	ng	96
81) Benzo(a)anthracene	14.033	228	142653	4.645	ng	99
83) Chrysene	14.068	228	140357	4.794	ng	98
84) Bis(2-ethylhexyl)phtha...	14.021	149	84656	6.480	ng	100
87) Indeno(1,2,3-cd)pyrene	16.986	276	53405	2.233	ng	97
88) Benzo(b)fluoranthene	15.080	252	196211	9.070	ng	# 96
89) Benzo(k)fluoranthene	15.080	252	196211	9.255	ng	# 96
90) Benzo(a)pyrene	15.451	252	91125	4.903	ng	# 98
92) Benzo(g,h,i)perylene	17.433	276	54657	2.692	ng	99

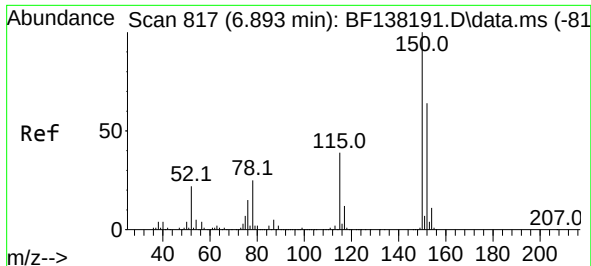
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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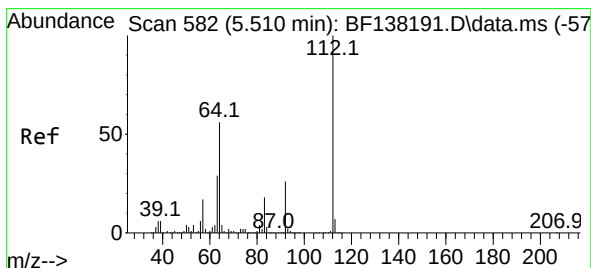
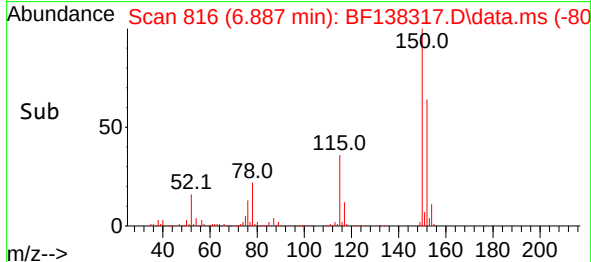
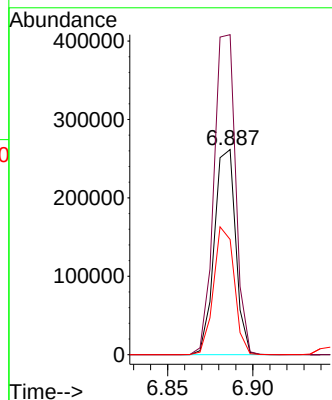
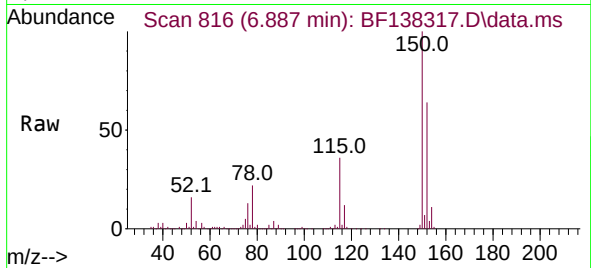




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

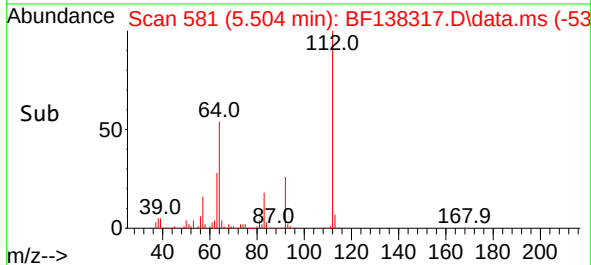
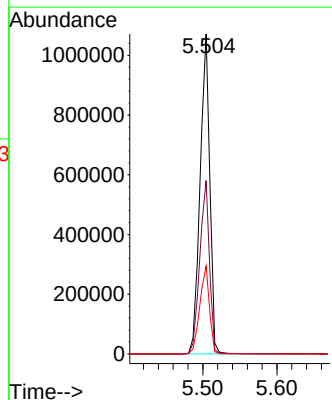
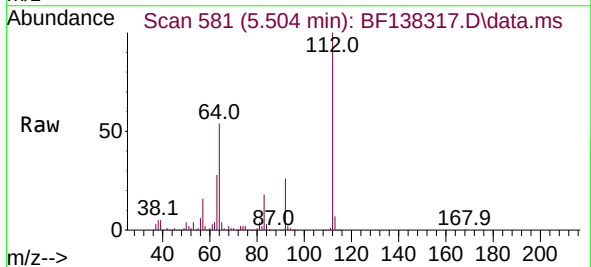
Instrument :
BNA_F
ClientSampleId :
OSTL-D3

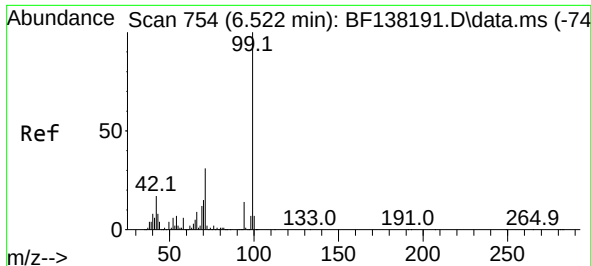
Tgt Ion:152 Resp: 228039
Ion Ratio Lower Upper
152 100
150 156.0 125.0 187.4
115 56.1 48.4 72.6



#5
2-Fluorophenol
Concen: 71.493 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Tgt Ion:112 Resp: 974586
Ion Ratio Lower Upper
112 100
64 54.2 45.2 67.8
63 27.5 22.9 34.3

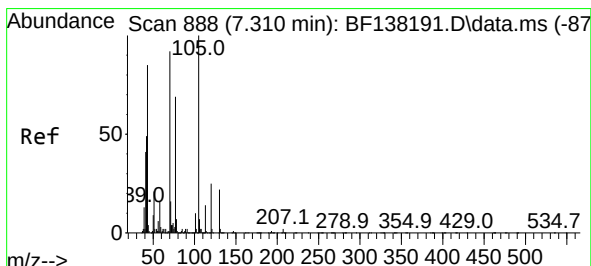
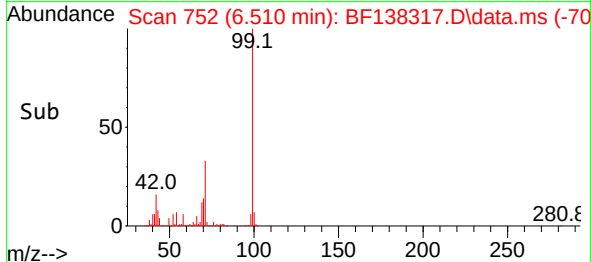
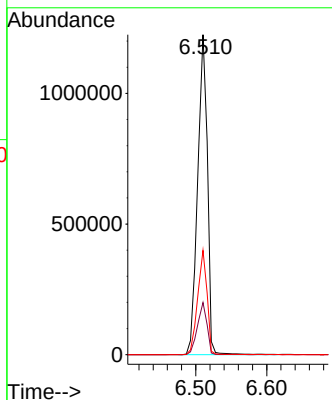
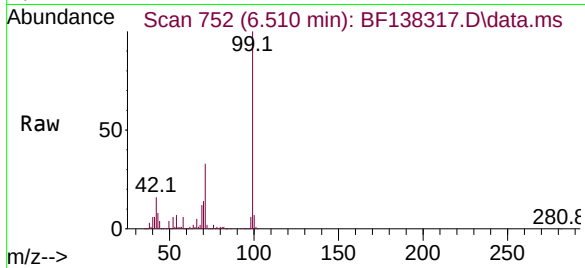




#7
Phenol-d6
Concen: 67.893 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

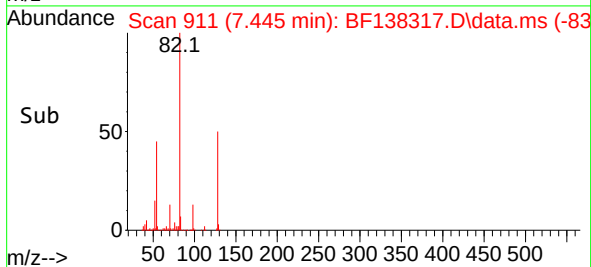
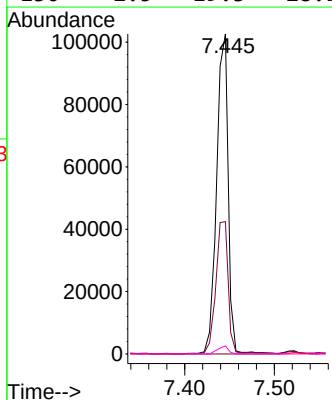
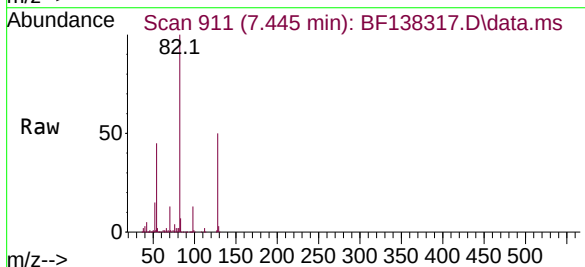
Instrument :
BNA_F
ClientSampleId :
OSTL-D3

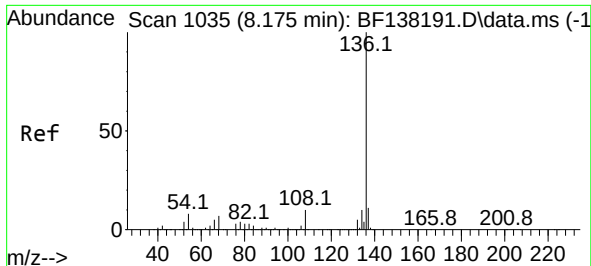
Tgt Ion: 99 Resp: 1173583
Ion Ratio Lower Upper
99 100
42 16.3 13.7 20.5
71 32.6 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 8.972 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Tgt Ion: 70 Resp: 91933
Ion Ratio Lower Upper
70 100
42 41.3 42.8 64.2#
101 0.0 8.4 12.6#
130 2.5 19.3 28.9#



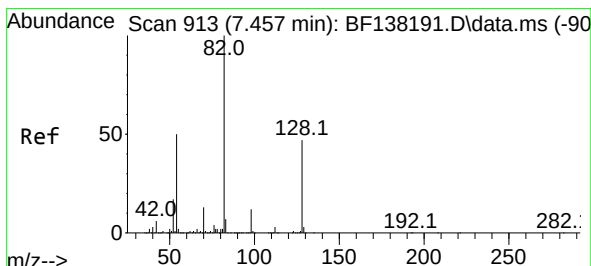
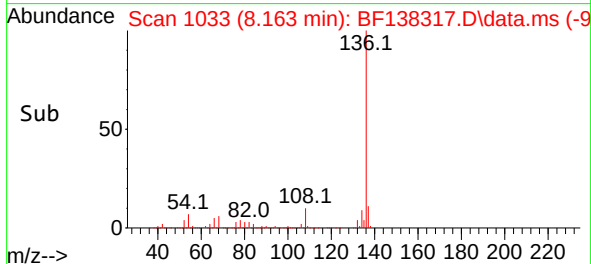
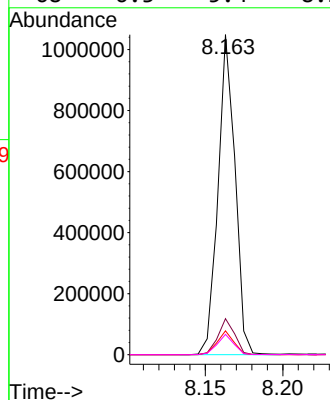
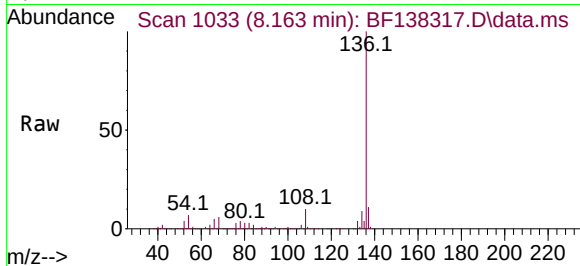


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Instrument :
BNA_F
ClientSampleId :
OSTL-D3

Tgt Ion:136 Resp: 800824

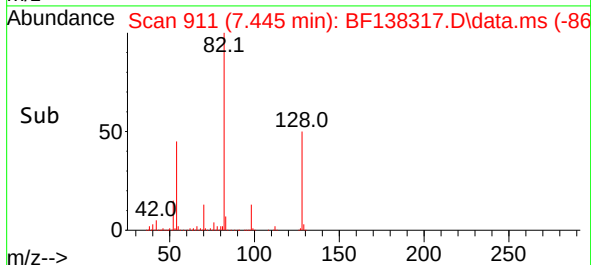
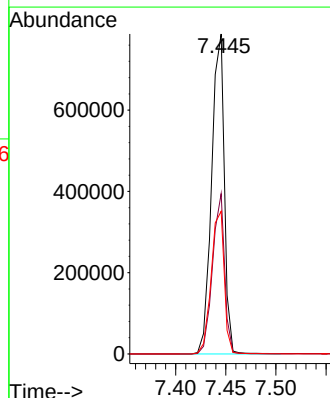
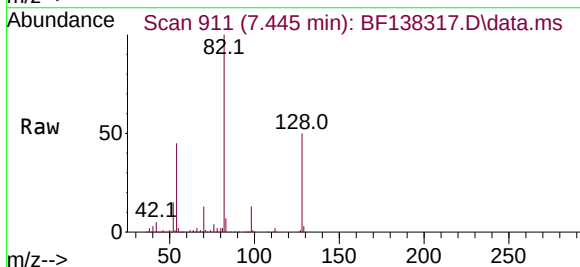
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.5	6.6	10.0
68	6.3	5.4	8.2

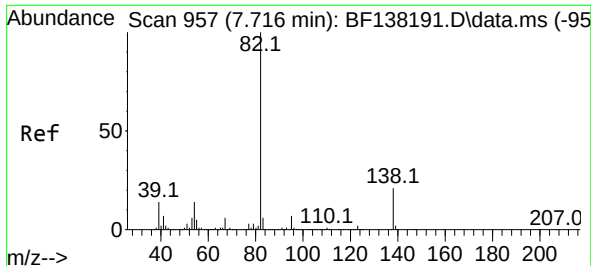


#23
Nitrobenzene-d5
Concen: 50.660 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Tgt Ion: 82 Resp: 696878

Ion	Ratio	Lower	Upper
82	100		
128	50.1	37.2	55.8
54	44.6	39.8	59.6

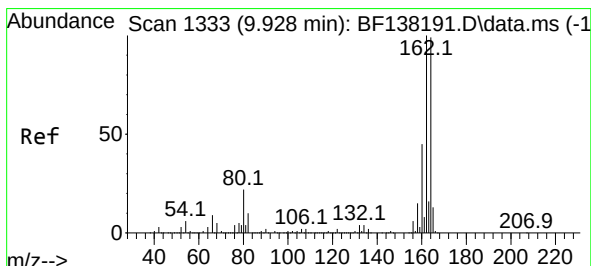
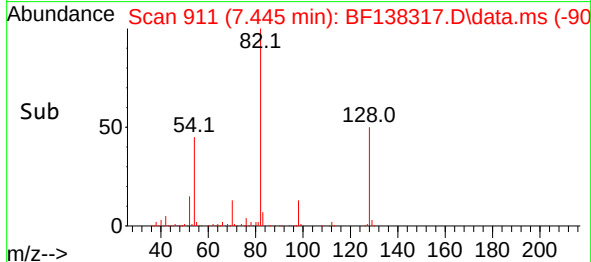
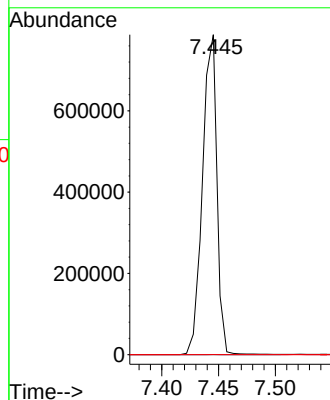
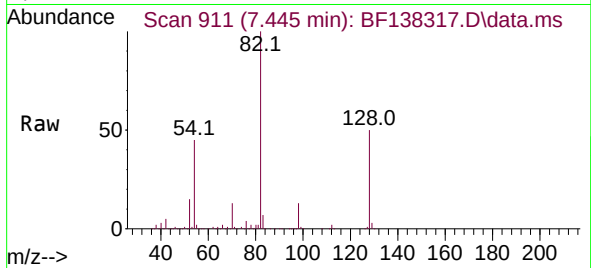




#25
Isophorone
Concen: 27.962 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

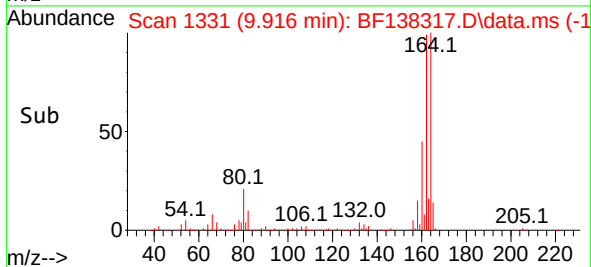
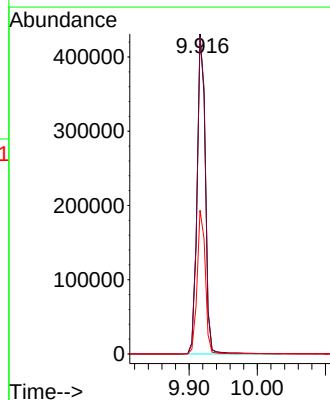
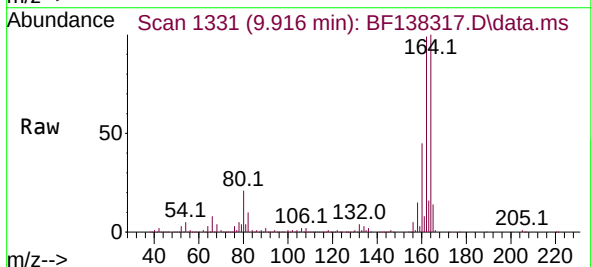
Instrument :
BNA_F
ClientSampleId :
OSTL-D3

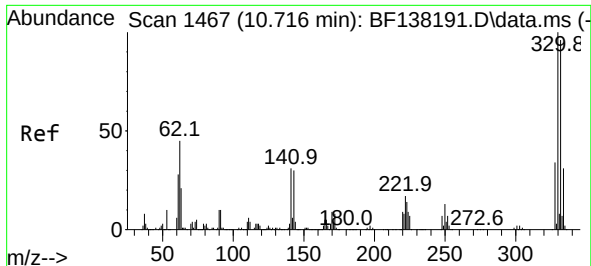
Tgt Ion: 82 Resp: 695745
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Tgt Ion: 164 Resp: 360246
Ion Ratio Lower Upper
164 100
162 99.0 80.6 121.0
160 44.9 36.3 54.5

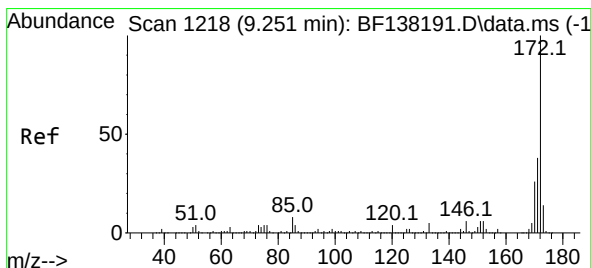
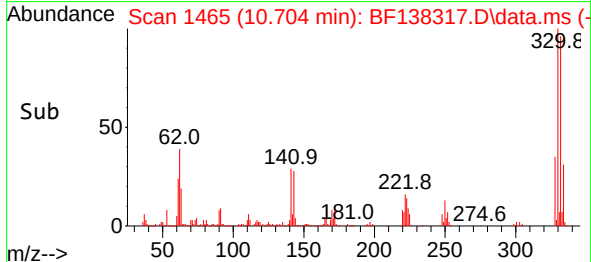
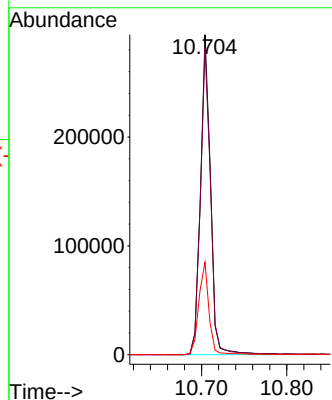
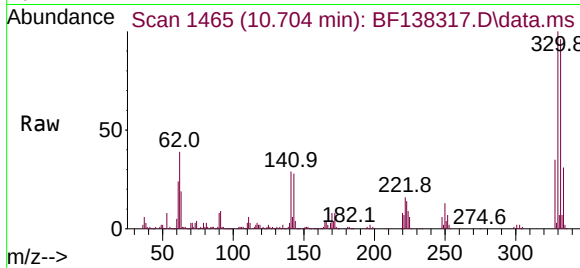




#42
2,4,6-Tribromophenol
Concen: 67.062 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

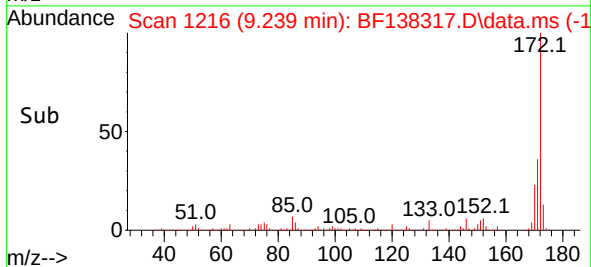
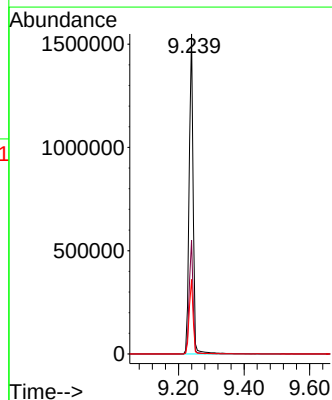
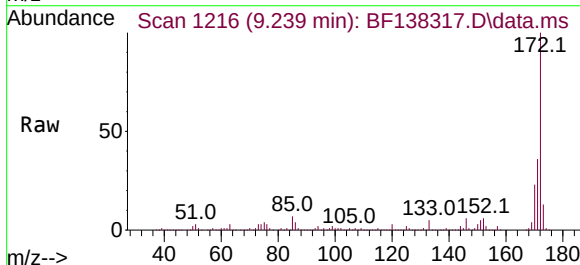
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ClientSampleId :
OSTL-D3

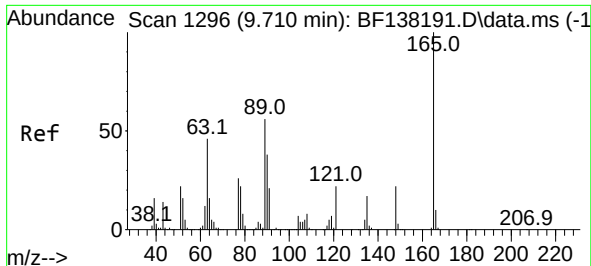
Tgt Ion:330 Resp: 240505
Ion Ratio Lower Upper
330 100
332 97.3 76.6 115.0
141 29.7 23.9 35.9



#45
2-Fluorobiphenyl
Concen: 57.059 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Tgt Ion:172 Resp: 1292655
Ion Ratio Lower Upper
172 100
171 35.5 30.3 45.5
170 23.3 20.6 30.8





#51

2,6-Dinitrotoluene

Concen: 9.976 ng

RT: 9.916 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

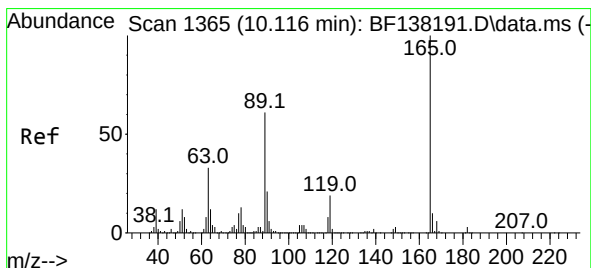
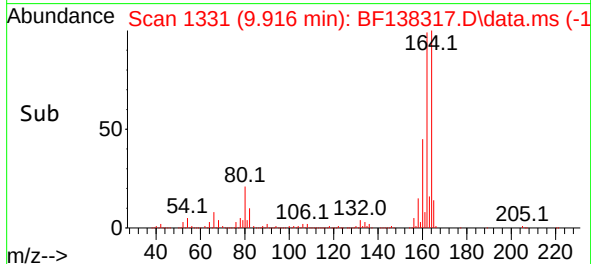
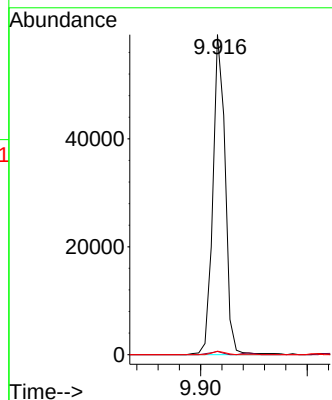
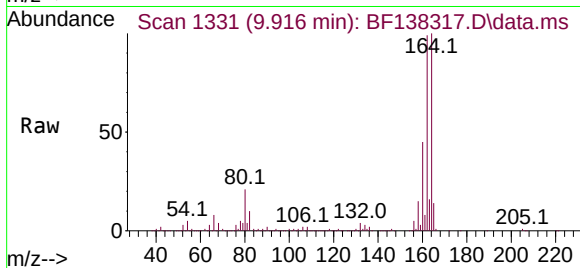
Tgt Ion:165 Resp: 47768

Ion Ratio Lower Upper

165 100

63 1.0 43.7 65.5#

89 1.1 44.9 67.3#



#57

2,4-Dinitrotoluene

Concen: 8.099 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.200 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Tgt Ion:165 Resp: 47831

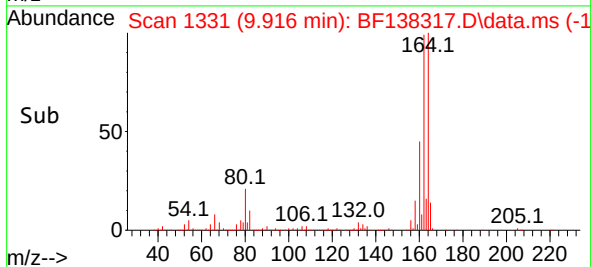
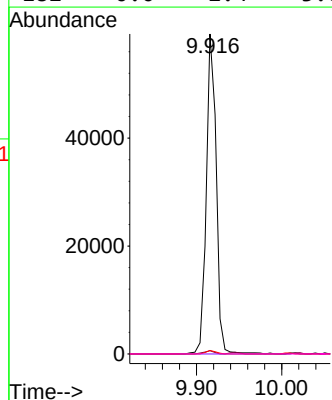
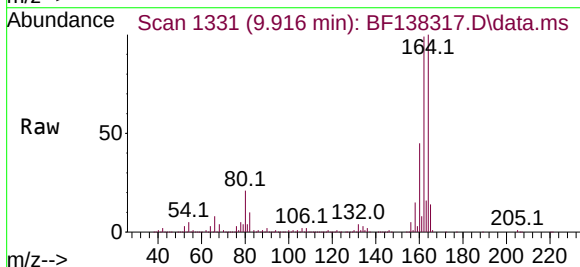
Ion Ratio Lower Upper

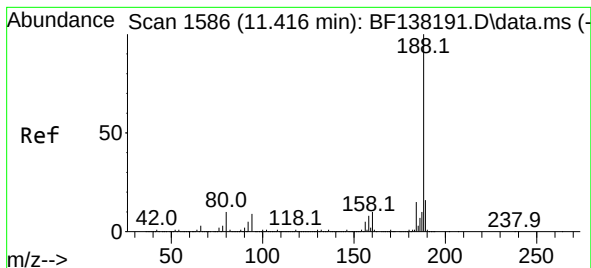
165 100

63 1.0 26.6 39.8#

89 1.1 48.7 73.1#

182 0.0 2.4 3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

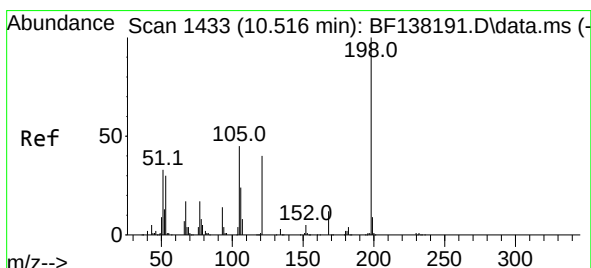
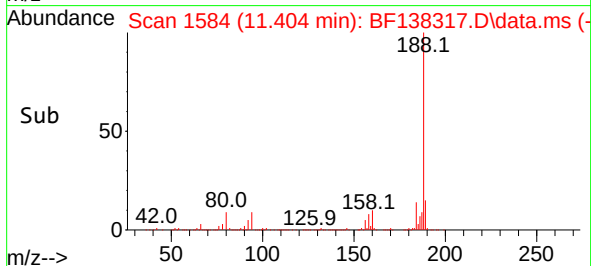
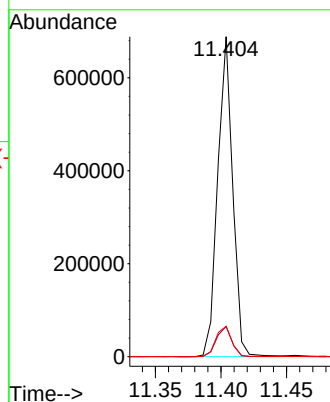
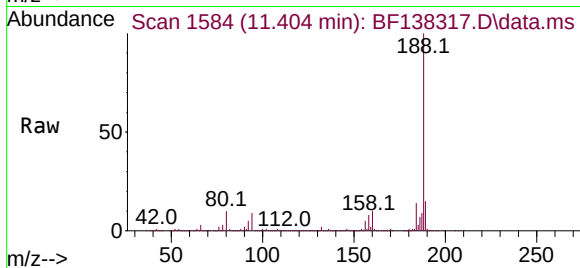
Tgt Ion:188 Resp: 546478

Ion Ratio Lower Upper

188 100

94 9.4 7.6 11.4

80 9.5 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.073 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

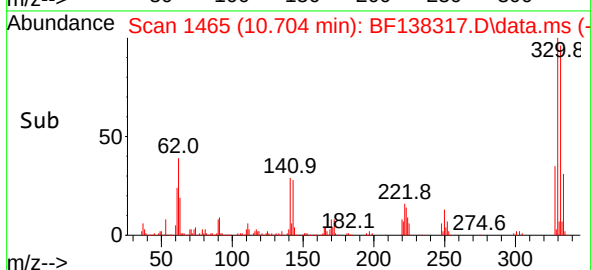
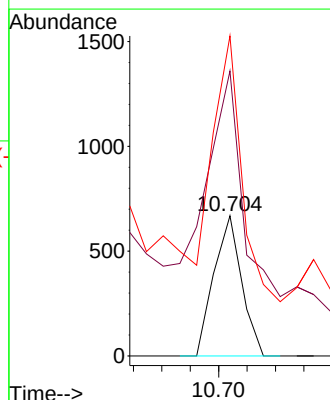
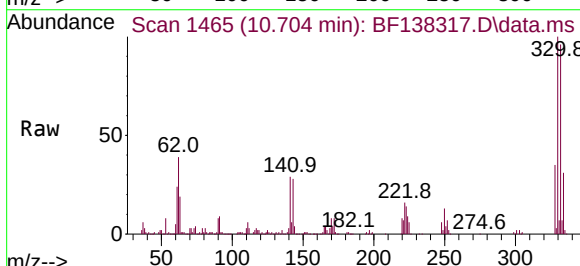
Tgt Ion:198 Resp: 452

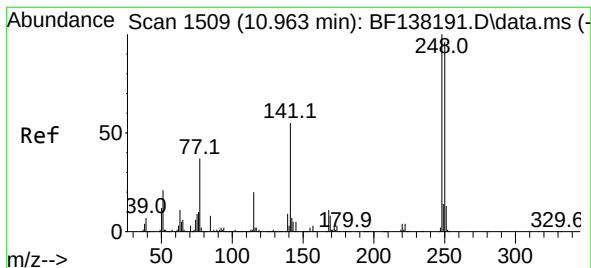
Ion Ratio Lower Upper

198 100

51 203.3 26.9 66.9#

105 228.3 26.0 66.0#

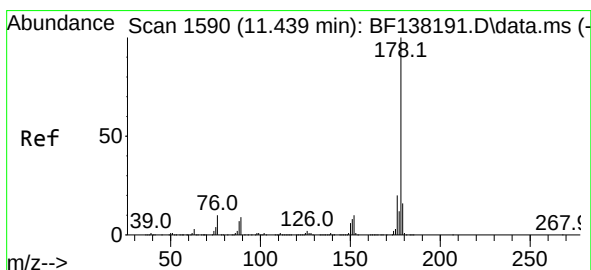
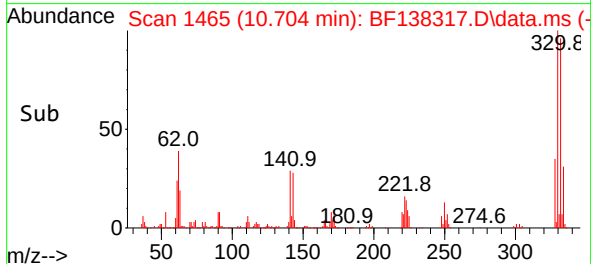
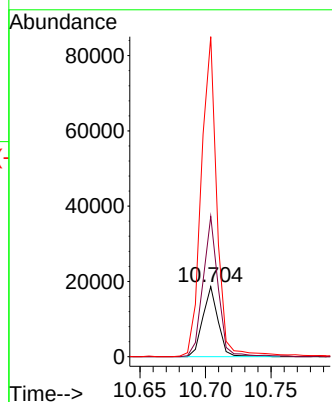
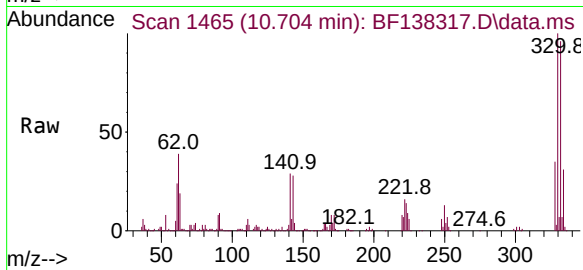




#67
4-Bromophenyl-phenylether
Concen: 2.471 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.259 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

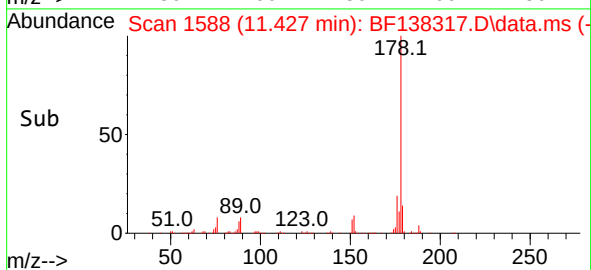
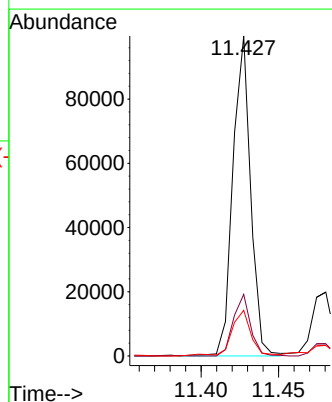
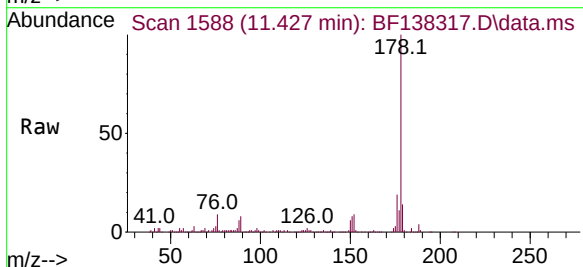
Instrument :
BNA_F
ClientSampleId :
OSTL-D3

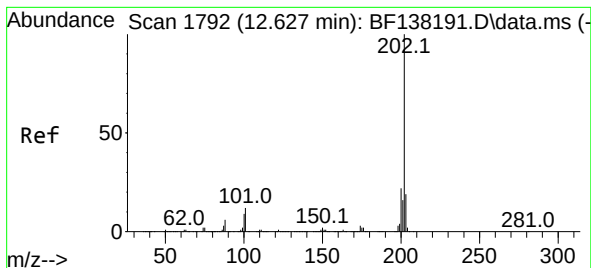
Tgt Ion:248 Resp: 15219
Ion Ratio Lower Upper
248 100
250 200.0 77.2 115.8#
141 456.2 44.1 66.1#



#71
Phenanthrene
Concen: 2.934 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Tgt Ion:178 Resp: 79303
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 14.2 13.1 19.7





#75

Fluoranthene

Concen: 9.467 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

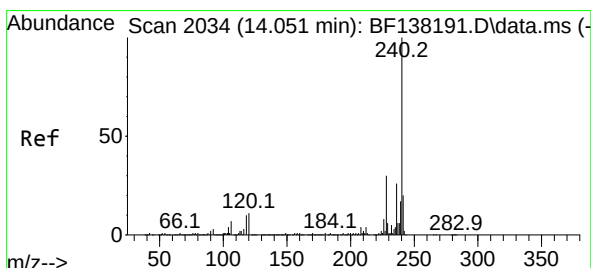
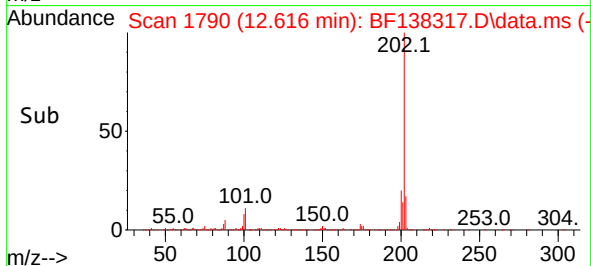
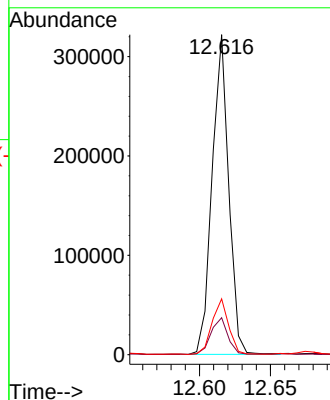
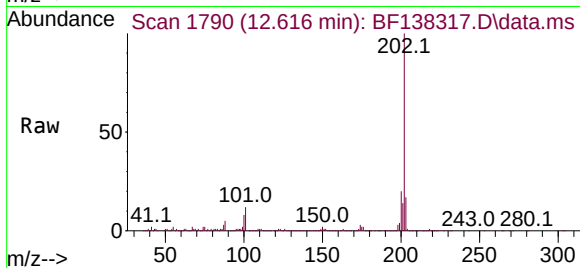
Tgt Ion:202 Resp: 260880

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.8

203 17.5 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

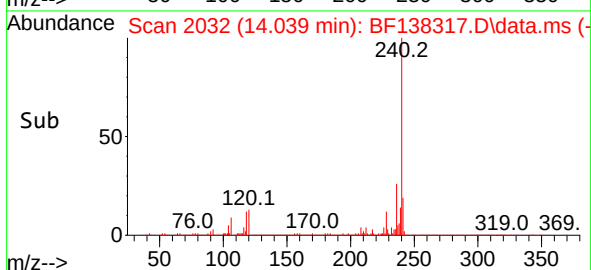
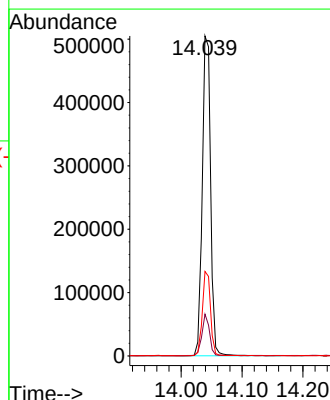
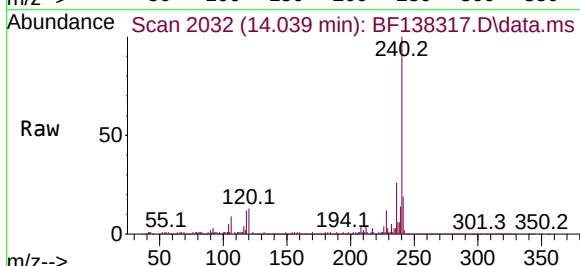
Tgt Ion:240 Resp: 478740

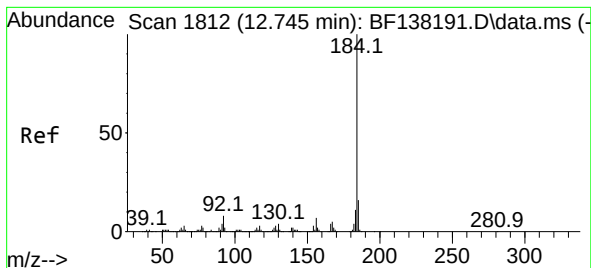
Ion Ratio Lower Upper

240 100

120 13.1 9.2 13.8

236 26.4 21.0 31.6





#77

Benzidine

Concen: 3.053 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.241 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

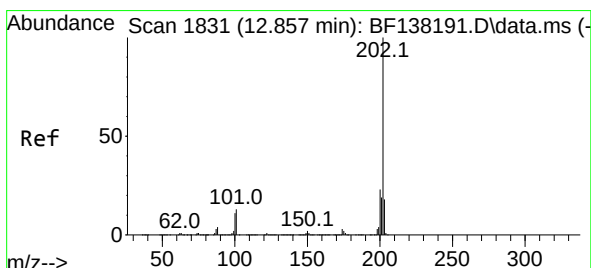
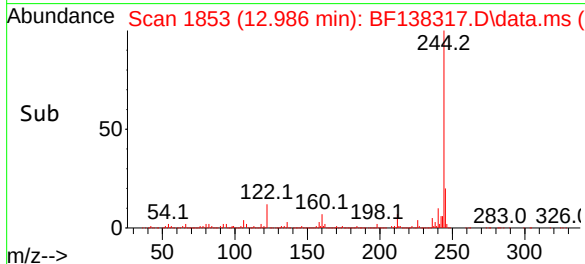
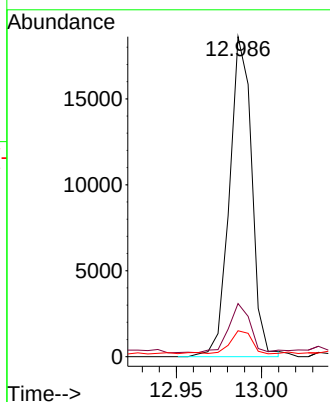
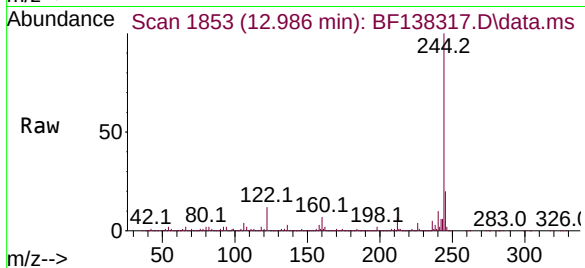
Tgt Ion:184 Resp: 16905

Ion Ratio Lower Upper

184 100

185 16.6 12.6 19.0

183 8.1 9.0 13.6#



#78

Pyrene

Concen: 5.897 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

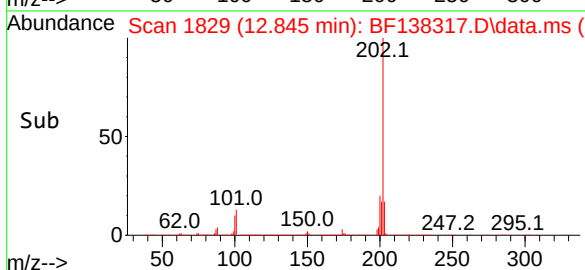
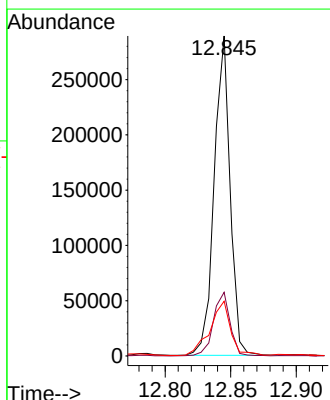
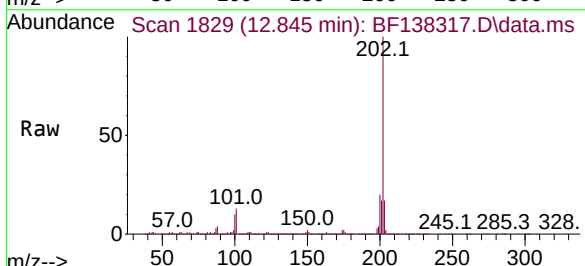
Tgt Ion:202 Resp: 243526

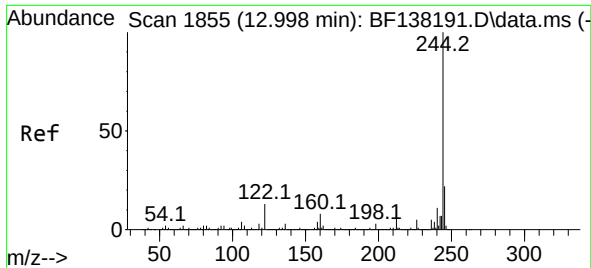
Ion Ratio Lower Upper

202 100

200 19.9 18.0 27.0

203 17.1 14.7 22.1

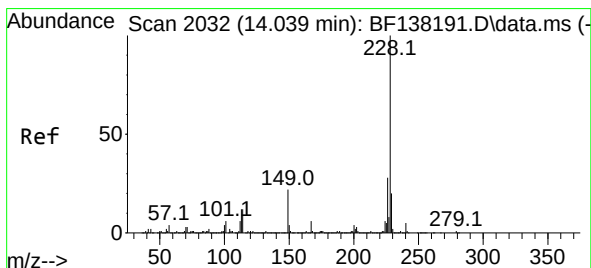
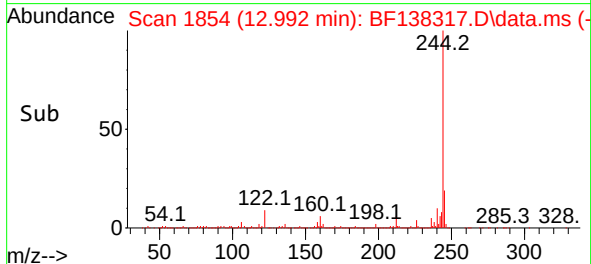
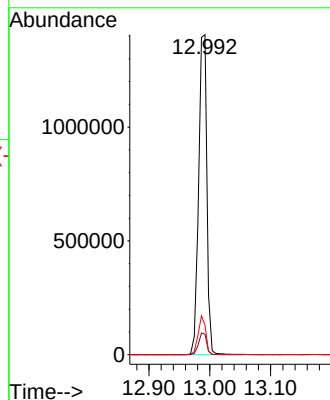
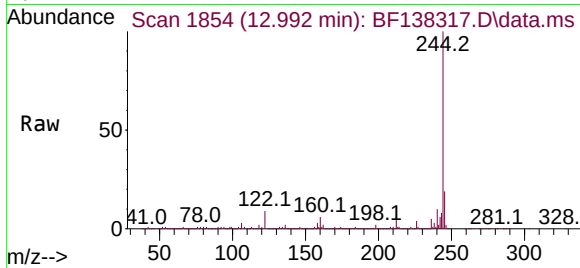




#79
 Terphenyl-d14
 Concen: 43.852 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.006 min
 Lab File: BF138317.D
 Acq: 24 Jun 2024 18:42

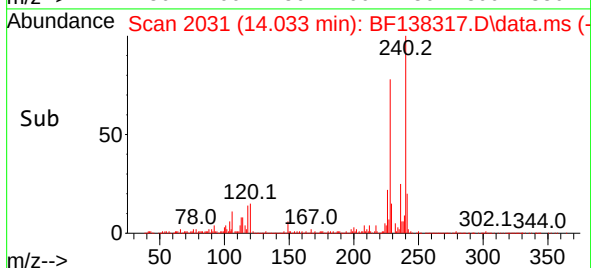
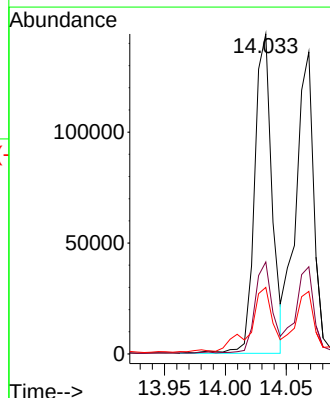
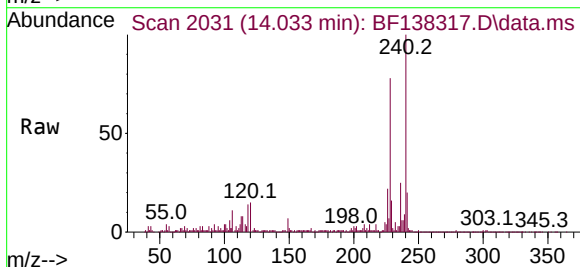
Instrument :
 BNA_F
 ClientSampleId :
 OSTL-D3

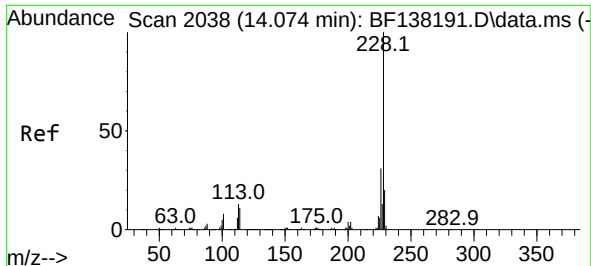
Tgt Ion:244 Resp: 1325500
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.9 8.9
 122 9.2 10.6 15.8#



#81
 Benzo(a)anthracene
 Concen: 4.645 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. -0.006 min
 Lab File: BF138317.D
 Acq: 24 Jun 2024 18:42

Tgt Ion:228 Resp: 142653
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.5 33.7
 229 20.8 16.3 24.5

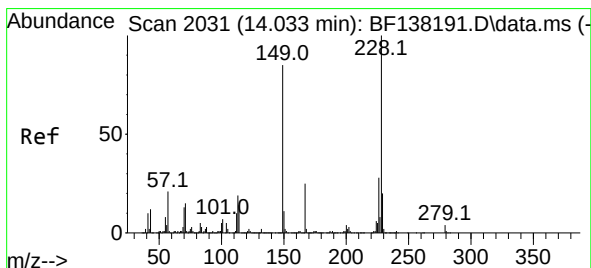
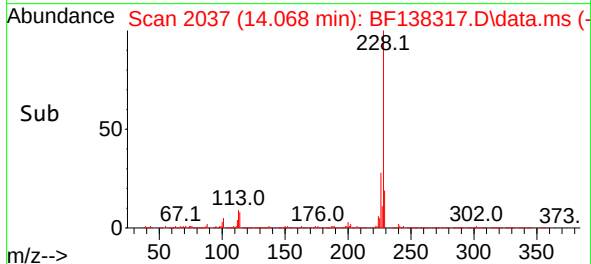
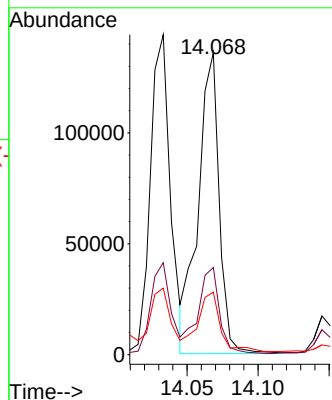
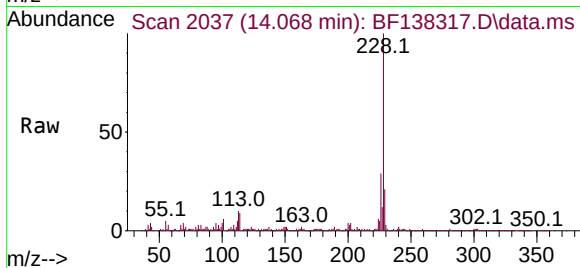




#83
Chrysene
Concen: 4.794 ng
RT: 14.068 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

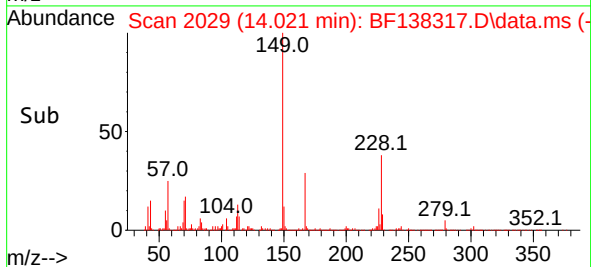
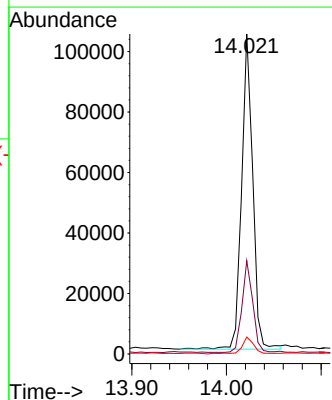
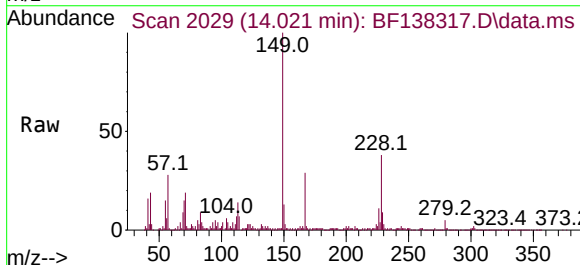
Instrument :
BNA_F
ClientSampleId :
OSTL-D3

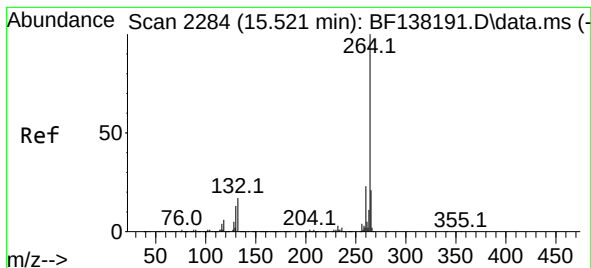
Tgt Ion:228 Resp: 140357
Ion Ratio Lower Upper
228 100
226 28.9 24.5 36.7
229 20.7 16.3 24.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.480 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF138317.D
Acq: 24 Jun 2024 18:42

Tgt Ion:149 Resp: 84656
Ion Ratio Lower Upper
149 100
167 29.2 23.5 35.3
279 5.3 4.2 6.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

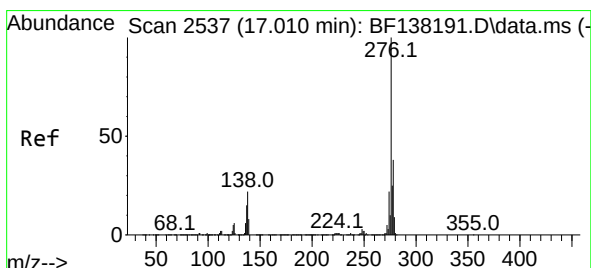
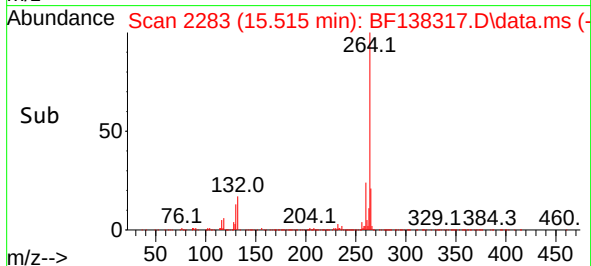
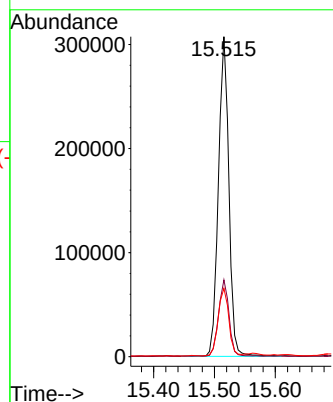
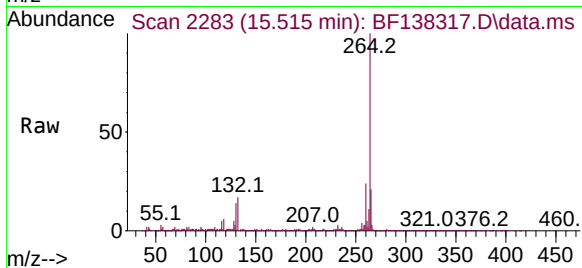
Tgt Ion:264 Resp: 366837

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 21.4 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.233 ng

RT: 16.986 min Scan# 2533

Delta R.T. -0.024 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

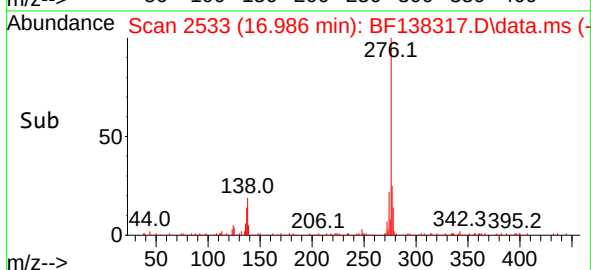
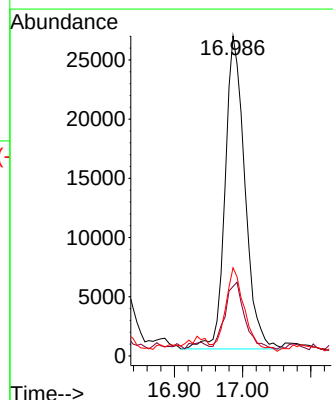
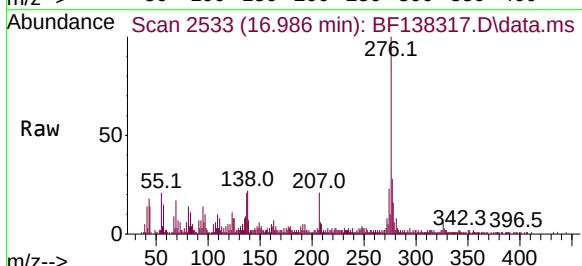
Tgt Ion:276 Resp: 53405

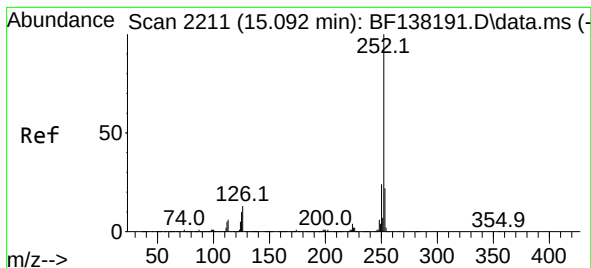
Ion Ratio Lower Upper

276 100

138 21.4 19.3 28.9

277 25.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 9.070 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

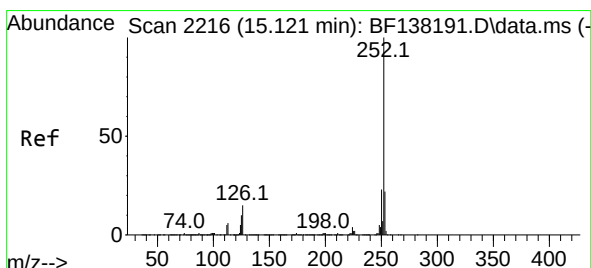
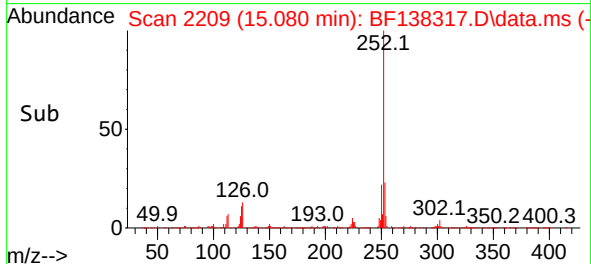
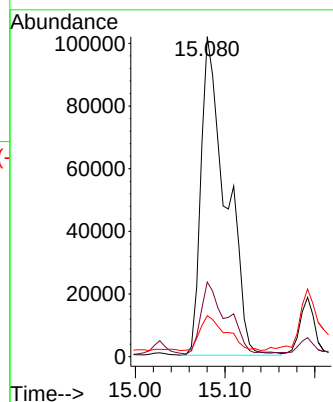
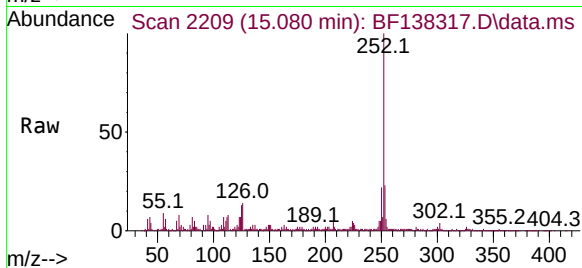
Tgt Ion:252 Resp: 196211

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 12.8 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 9.255 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.041 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

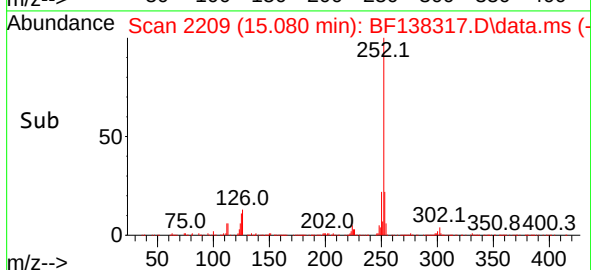
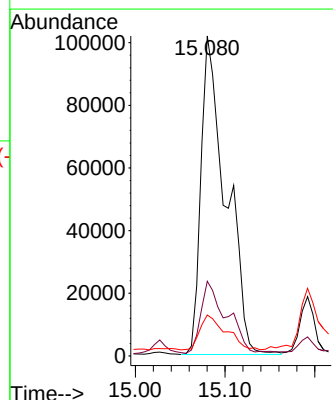
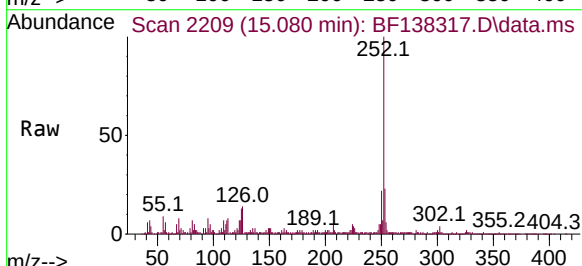
Tgt Ion:252 Resp: 196211

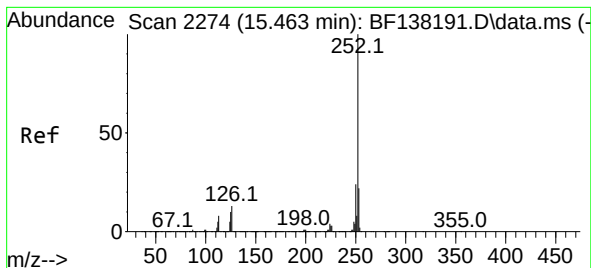
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 12.8 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 4.903 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Instrument :

BNA_F

ClientSampleId :

OSTL-D3

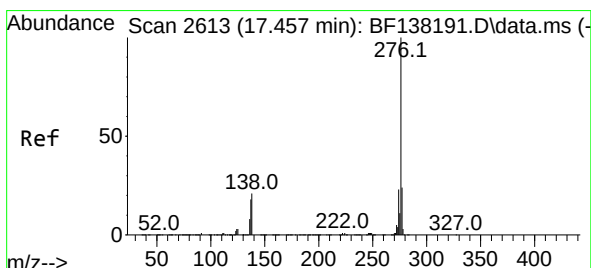
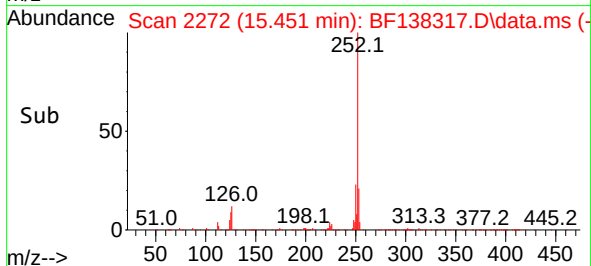
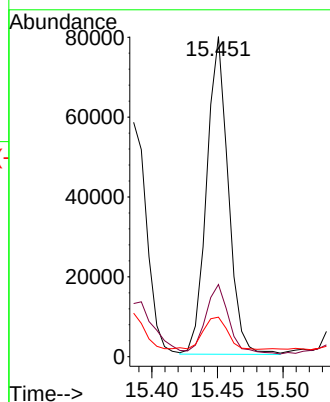
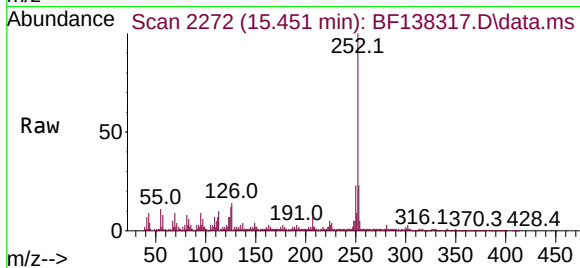
Tgt Ion:252 Resp: 91125

Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 12.4 8.2 12.2#



#92

Benzo(g,h,i)perylene

Concen: 2.692 ng

RT: 17.433 min Scan# 2609

Delta R.T. -0.024 min

Lab File: BF138317.D

Acq: 24 Jun 2024 18:42

Tgt Ion:276 Resp: 54657

Ion Ratio Lower Upper

276 100

277 24.8 19.5 29.3

138 21.7 16.6 24.8

