

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062124\
 Data File : BF138297.D
 Acq On : 21 Jun 2024 21:07
 Operator : CG\JU
 Sample : P2977-18
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OSTL-C6

Quant Time: Jun 21 23:03:02 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)

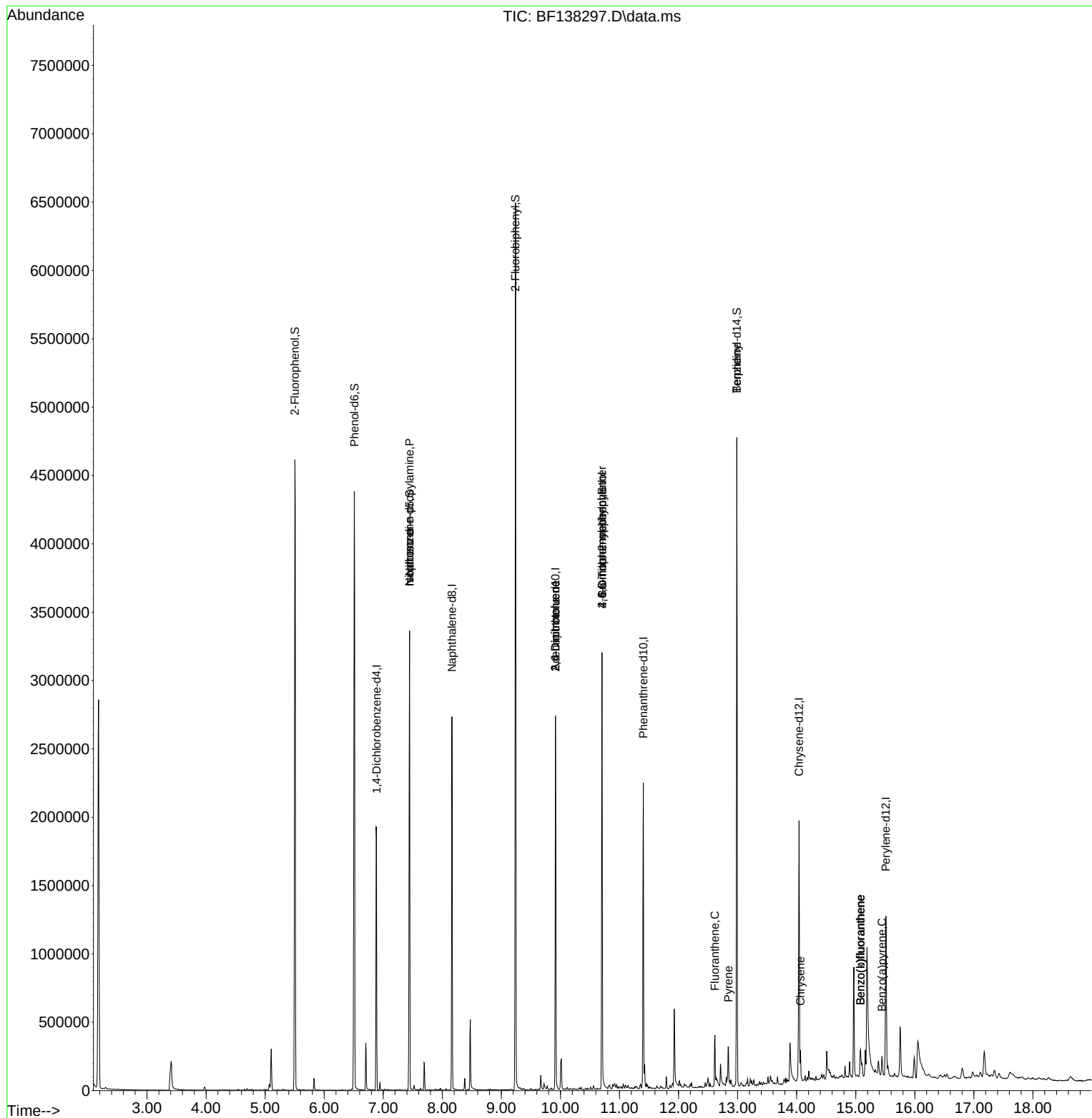
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	294133	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1094650	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	551665	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	758537	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	573127	20.000	ng	-0.01
86) Perylene-d12	15.509	264	561110	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1439546	81.872	ng	0.00
7) Phenol-d6	6.510	99	1753844	78.662	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1024678	54.495	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	377763	68.785	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1844614	53.170	ng	-0.01
79) Terphenyl-d14	12.986	244	1545510	42.710	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	135135	10.225	ng	# 75
25) Isophorone	7.445	82	1023024	30.079	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	72183	9.844	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	72268	7.990	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	776	7.106	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	23589	2.760	ng	# 1
75) Fluoranthene	12.615	202	141722	3.705	ng	95
77) Benzidine	12.986	184	18679	2.818	ng	# 93
78) Pyrene	12.845	202	123654	2.501	ng	98
83) Chrysene	14.062	228	78437	2.238	ng	98
88) Benzo(b)fluoranthene	15.080	252	148742	4.495	ng	99
89) Benzo(k)fluoranthene	15.080	252	148742	4.587	ng	99
90) Benzo(a)pyrene	15.445	252	65137	2.291	ng	98

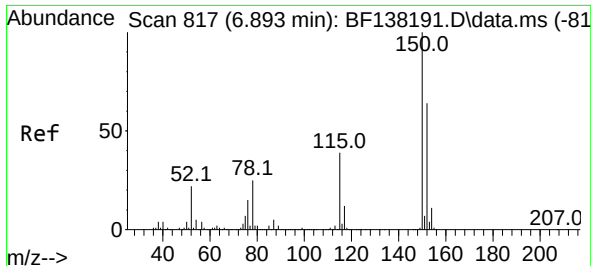
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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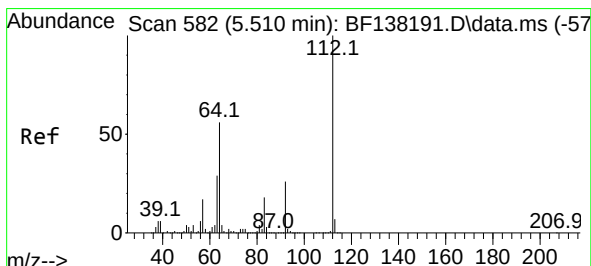
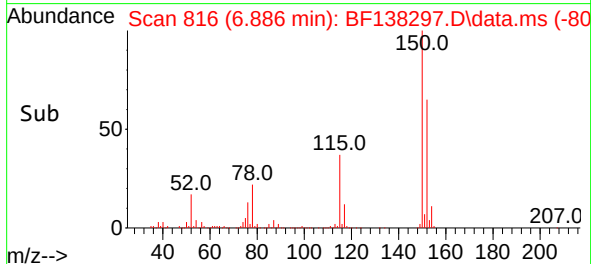
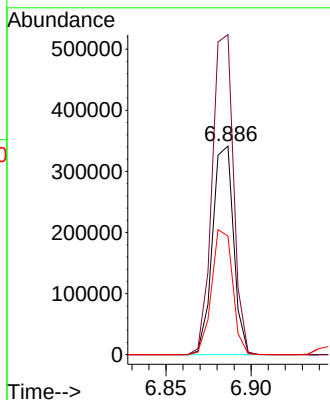
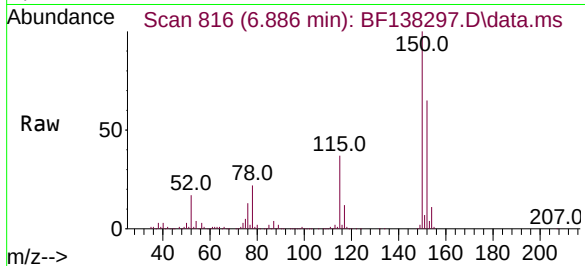




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 817
Delta R.T. -0.007 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

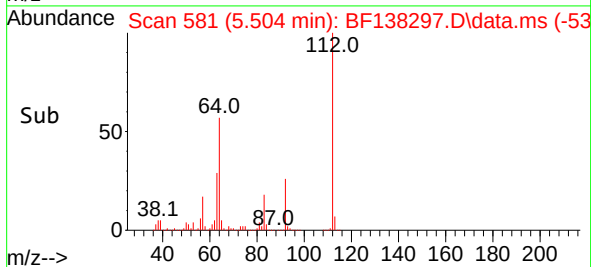
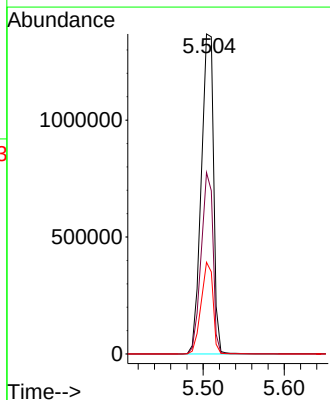
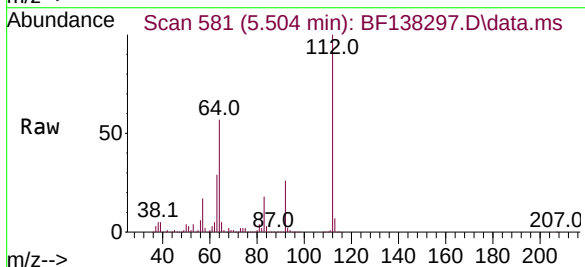
Instrument :
BNA_F
ClientSampleId :
OSTL-C6

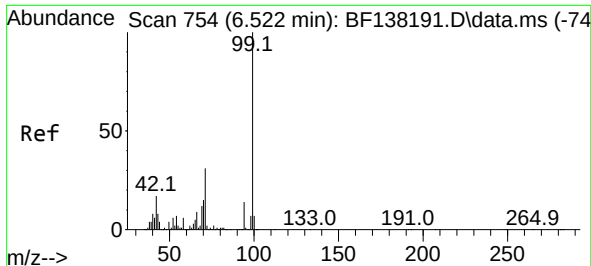
Tgt Ion:152 Resp: 294133
Ion Ratio Lower Upper
152 100
150 153.4 125.0 187.4
115 56.9 48.4 72.6



#5
2-Fluorophenol
Concen: 81.872 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

Tgt Ion:112 Resp: 1439546
Ion Ratio Lower Upper
112 100
64 56.7 45.2 67.8
63 28.6 22.9 34.3



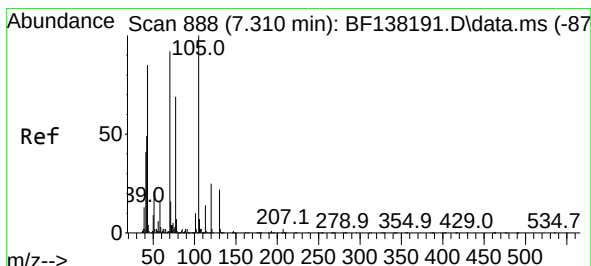
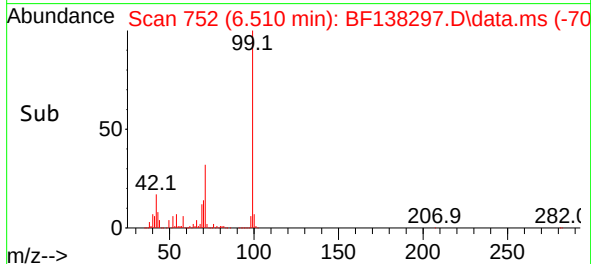
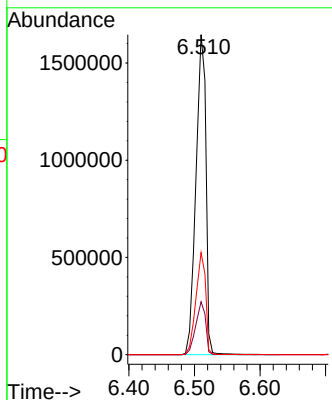
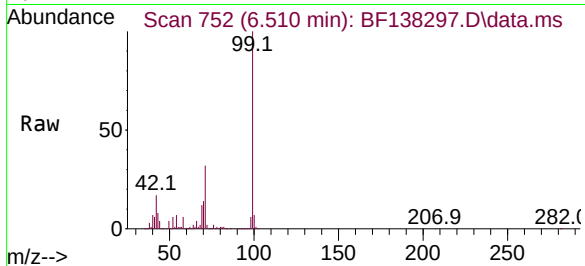


#7
Phenol-d6
Concen: 78.662 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

Instrument :
BNA_F
ClientSampleId :
OSTL-C6

Tgt Ion: 99 Resp: 1753844

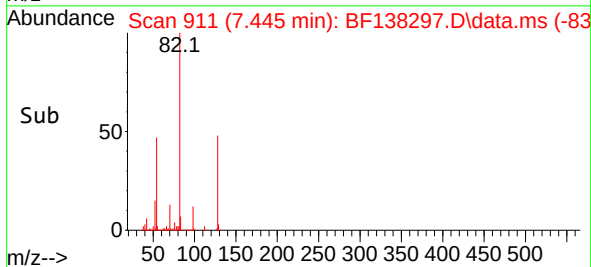
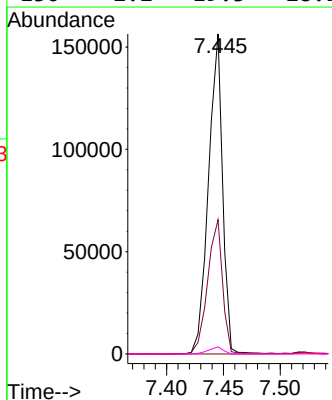
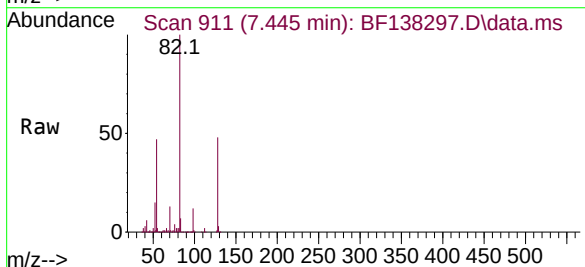
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.7	20.5
71	31.9	25.0	37.6

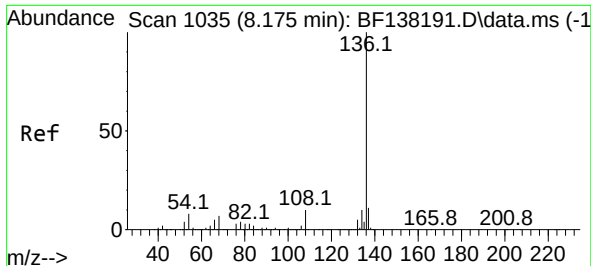


#19
n-Nitroso-di-n-propylamine
Concen: 10.225 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

Tgt Ion: 70 Resp: 135135

Ion	Ratio	Lower	Upper
70	100		
42	42.0	42.8	64.2#
101	0.0	8.4	12.6#
130	2.2	19.3	28.9#



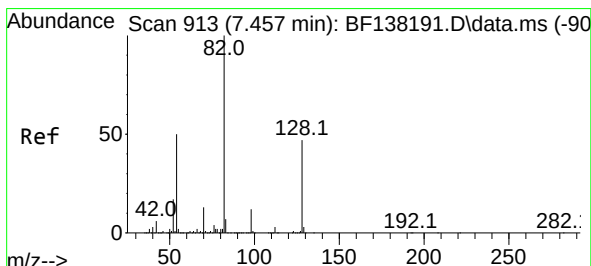
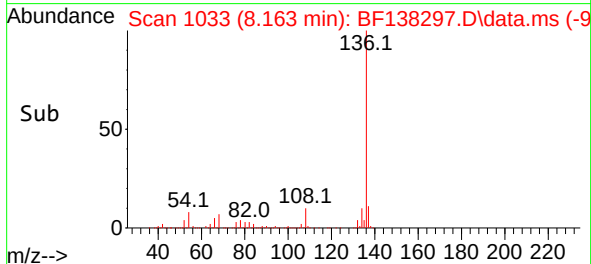
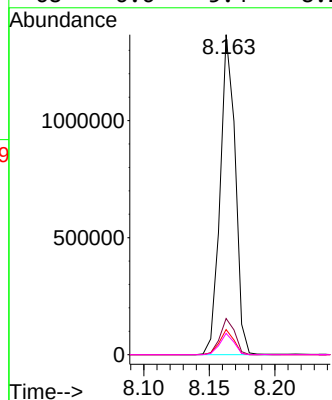
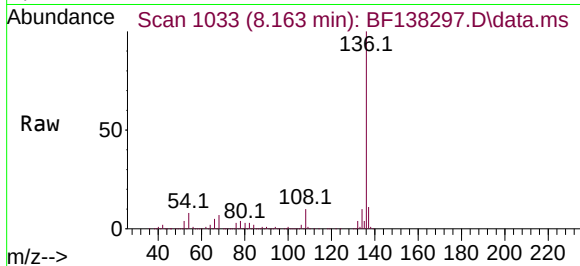


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

Instrument :
BNA_F
ClientSampleId :
OSTL-C6

Tgt Ion:136 Resp: 1094650

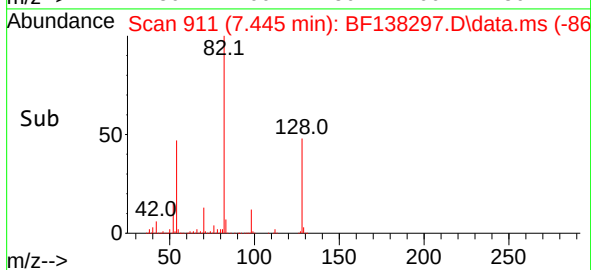
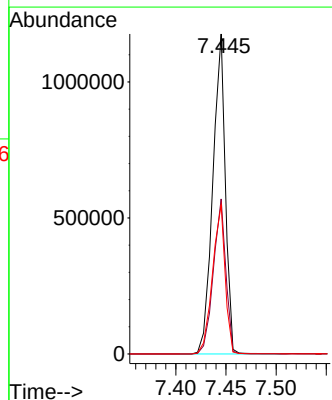
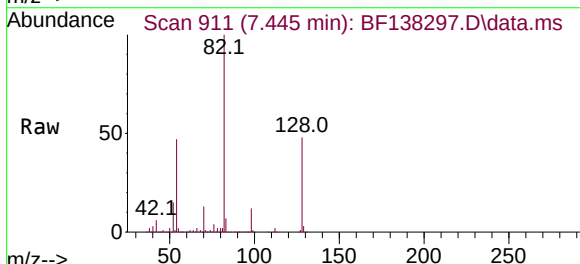
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.8	6.6	10.0
68	6.6	5.4	8.2

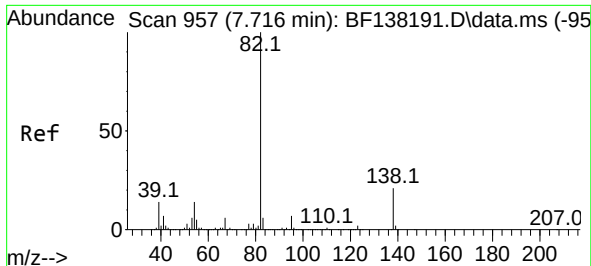


#23
Nitrobenzene-d5
Concen: 54.495 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

Tgt Ion: 82 Resp: 1024678

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.2	55.8
54	46.7	39.8	59.6

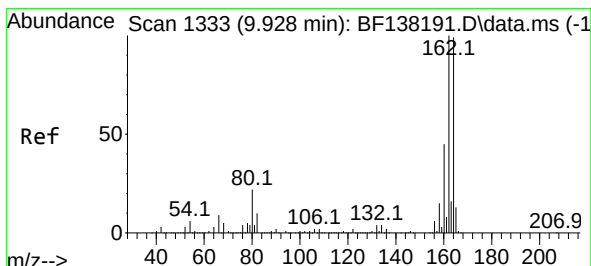
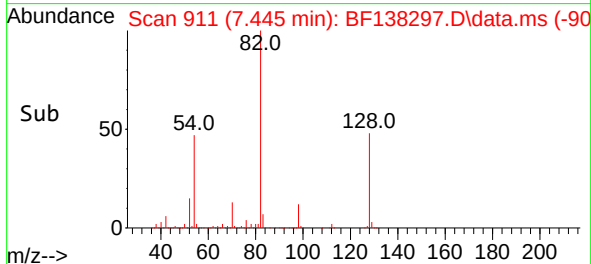
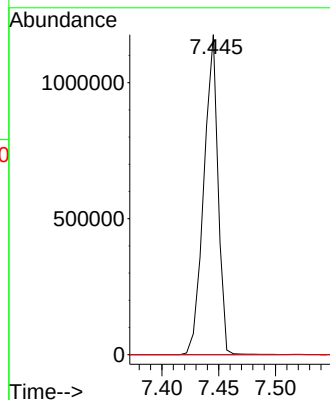
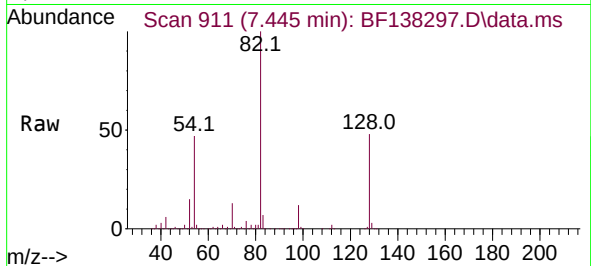




#25
Isophorone
Concen: 30.079 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

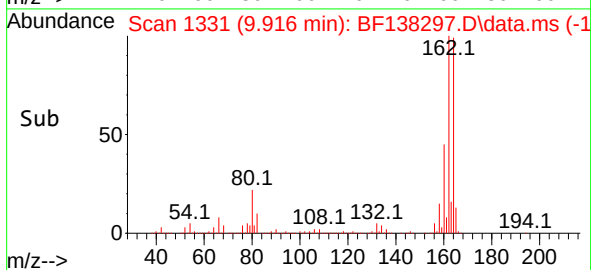
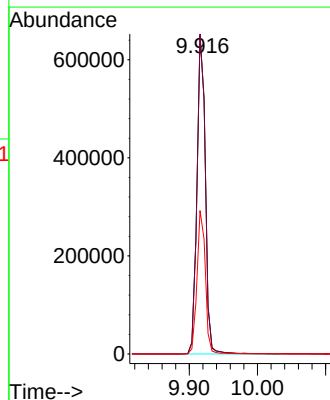
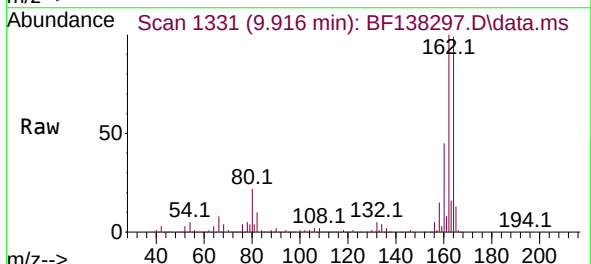
Instrument :
BNA_F
ClientSampleId :
OSTL-C6

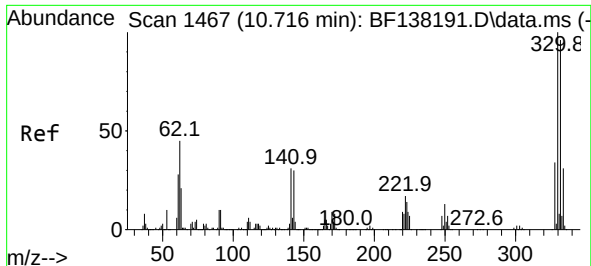
Tgt Ion: 82 Resp: 1023024
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

Tgt Ion: 164 Resp: 551665
Ion Ratio Lower Upper
164 100
162 100.6 80.6 121.0
160 45.1 36.3 54.5

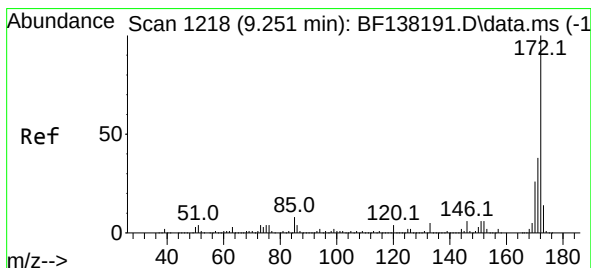
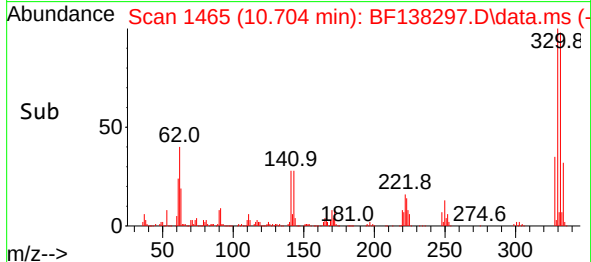
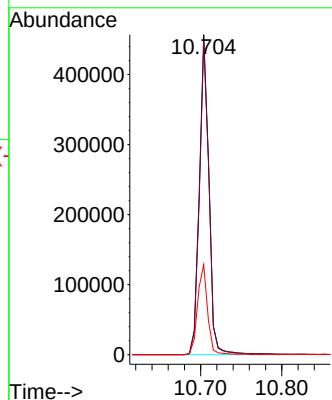
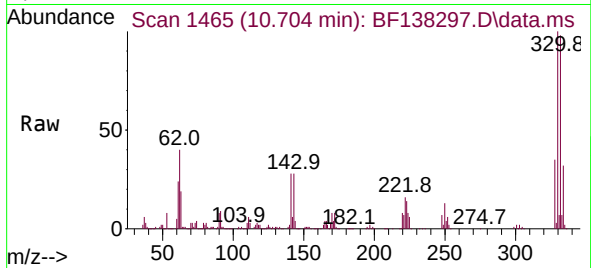




#42
 2,4,6-Tribromophenol
 Concen: 68.785 ng
 RT: 10.704 min Scan# 1465
 Delta R.T. -0.012 min
 Lab File: BF138297.D
 Acq: 21 Jun 2024 21:07

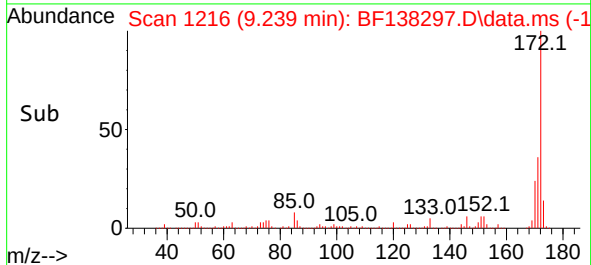
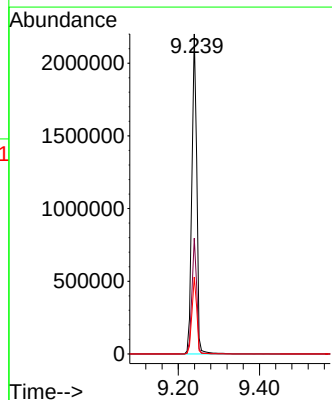
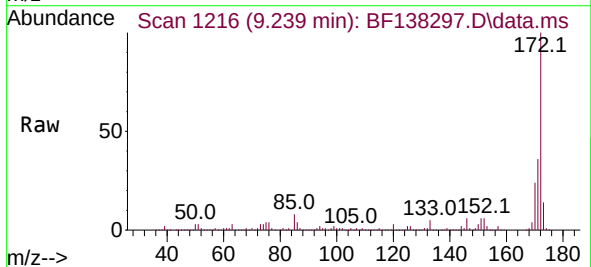
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 BNA_F
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 OSTL-C6

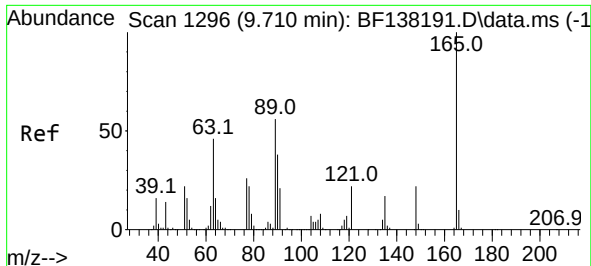
Tgt Ion:330 Resp: 377763
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 29.4 23.9 35.9



#45
 2-Fluorobiphenyl
 Concen: 53.170 ng
 RT: 9.239 min Scan# 1216
 Delta R.T. -0.012 min
 Lab File: BF138297.D
 Acq: 21 Jun 2024 21:07

Tgt Ion:172 Resp: 1844614
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.3 45.5
 170 24.1 20.6 30.8

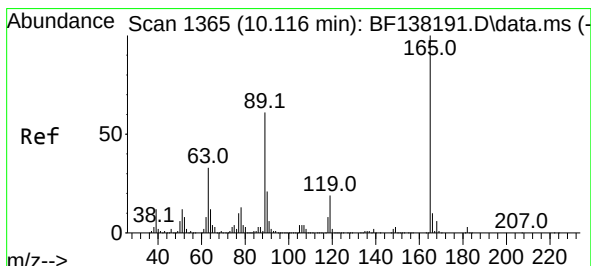
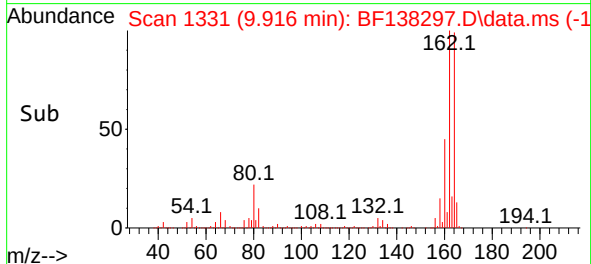
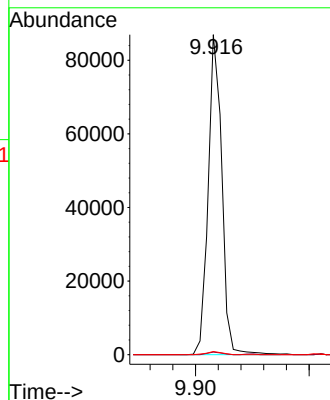
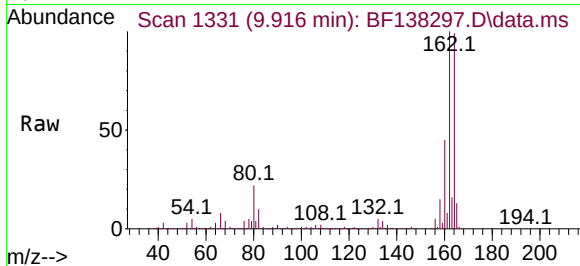




#51
2,6-Dinitrotoluene
Concen: 9.844 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.206 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

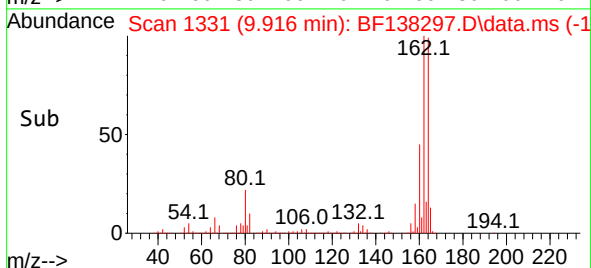
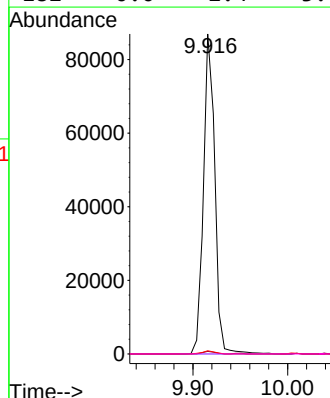
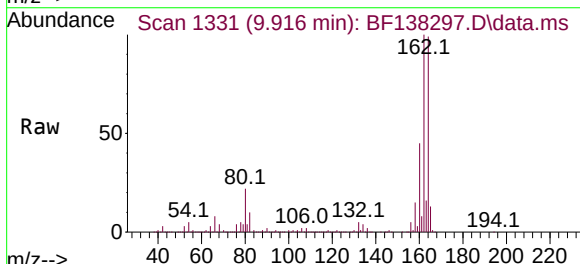
Instrument :
BNA_F
ClientSampleId :
OSTL-C6

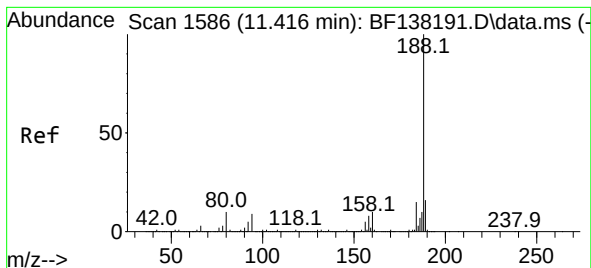
Tgt Ion:165 Resp: 72183
Ion Ratio Lower Upper
165 100
63 0.8 43.7 65.5#
89 1.0 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 7.990 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

Tgt Ion:165 Resp: 72268
Ion Ratio Lower Upper
165 100
63 0.8 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: 11.404 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138297.D

Acq: 21 Jun 2024 21:07

Instrument :

BNA_F

ClientSampleId :

OSTL-C6

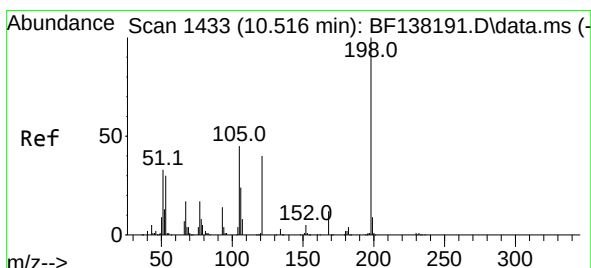
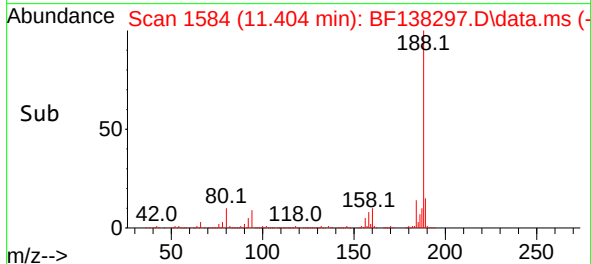
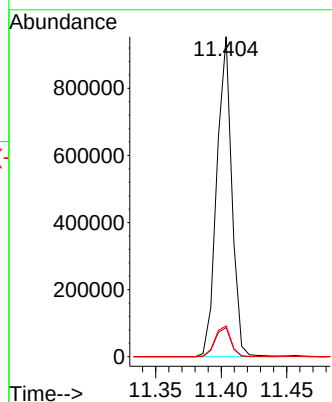
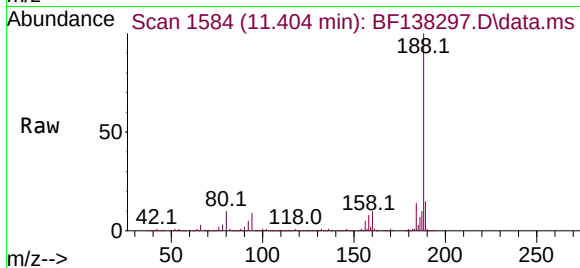
Tgt Ion:188 Resp: 758537

Ion Ratio Lower Upper

188 100

94 9.1 7.6 11.4

80 9.6 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.106 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138297.D

Acq: 21 Jun 2024 21:07

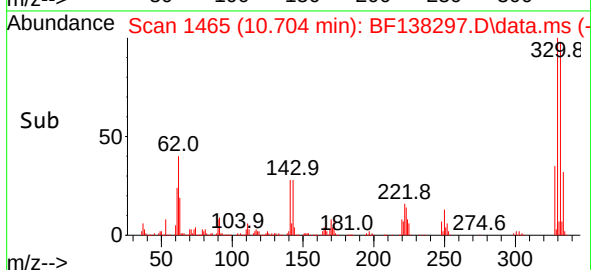
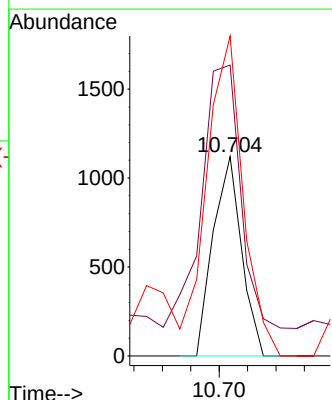
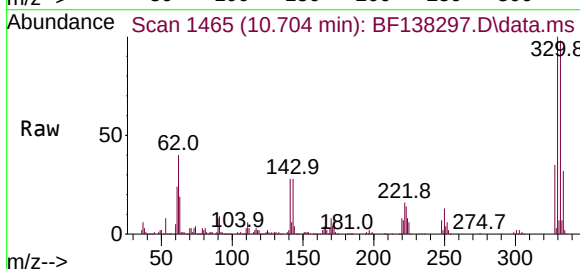
Tgt Ion:198 Resp: 776

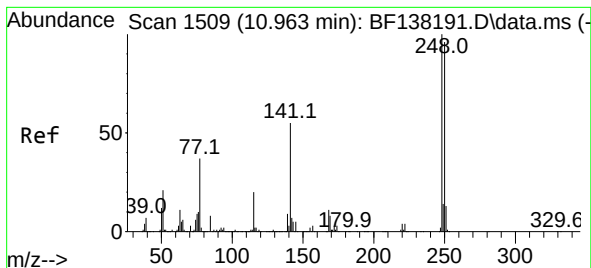
Ion Ratio Lower Upper

198 100

51 145.9 26.9 66.9#

105 160.5 26.0 66.0#

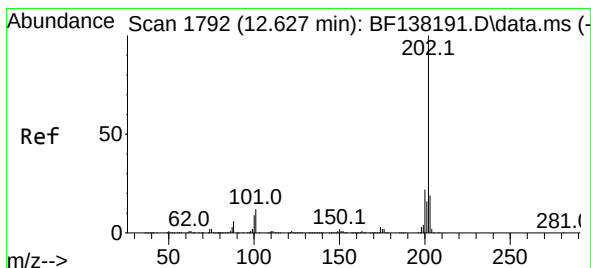
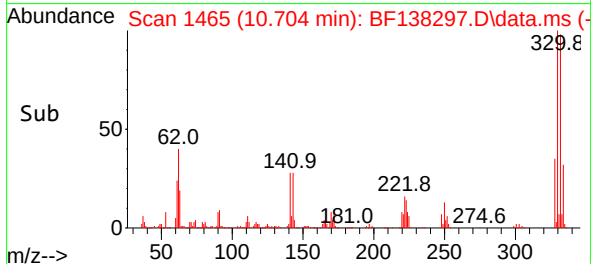
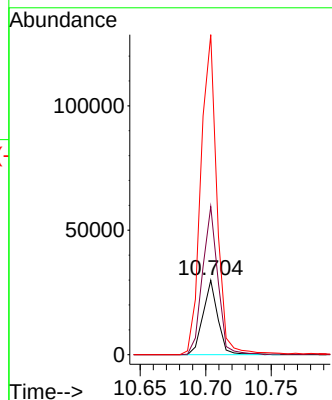
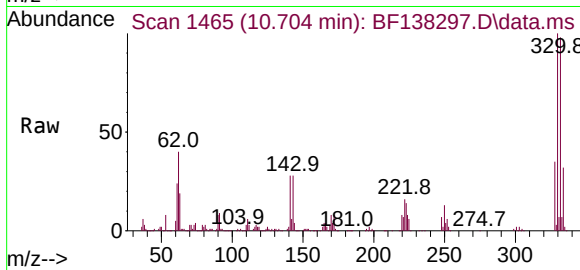




#67
4-Bromophenyl-phenylether
Concen: 2.760 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.259 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

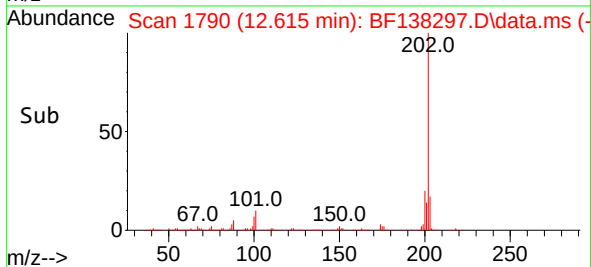
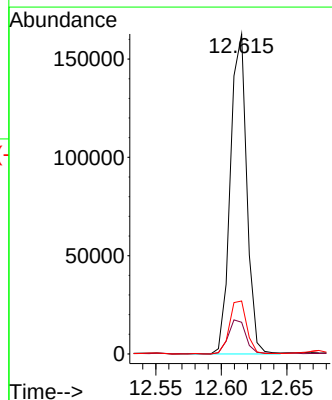
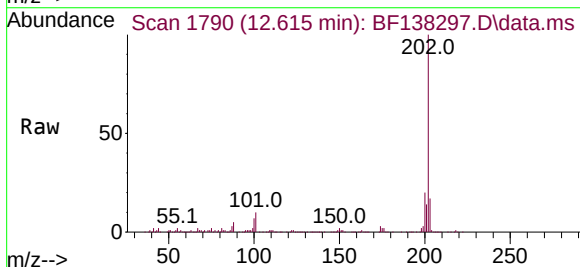
Instrument :
BNA_F
ClientSampleId :
OSTL-C6

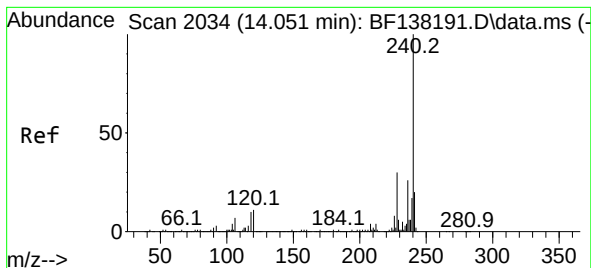
Tgt Ion:248 Resp: 23589
Ion Ratio Lower Upper
248 100
250 199.0 77.2 115.8#
141 429.7 44.1 66.1#



#75
Fluoranthene
Concen: 3.705 ng
RT: 12.615 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

Tgt Ion:202 Resp: 141722
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.8
203 16.6 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: BF138297.D

Acq: 21 Jun 2024 21:07

Instrument :

BNA_F

ClientSampleId :

OSTL-C6

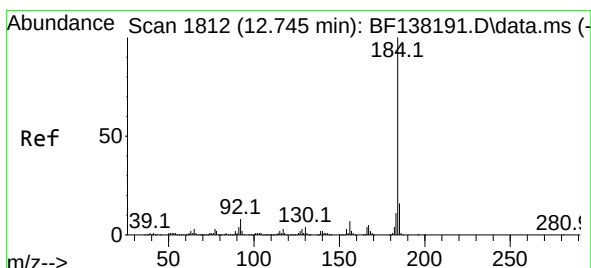
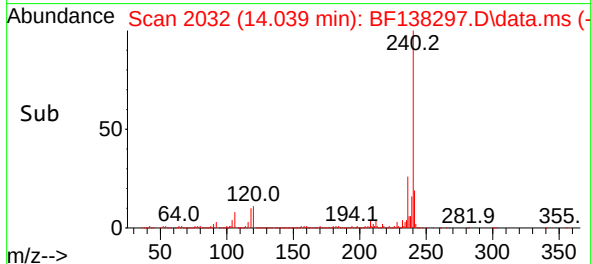
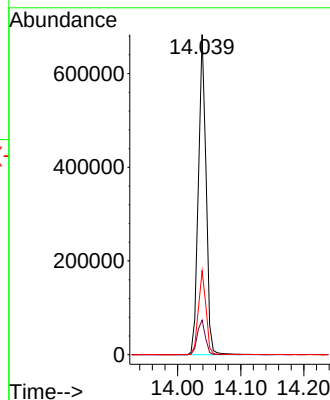
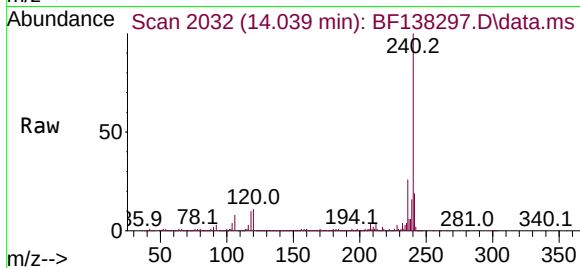
Tgt Ion:240 Resp: 573127

Ion Ratio Lower Upper

240 100

120 10.8 9.2 13.8

236 26.2 21.0 31.6



#77

Benzidine

Concen: 2.818 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.241 min

Lab File: BF138297.D

Acq: 21 Jun 2024 21:07

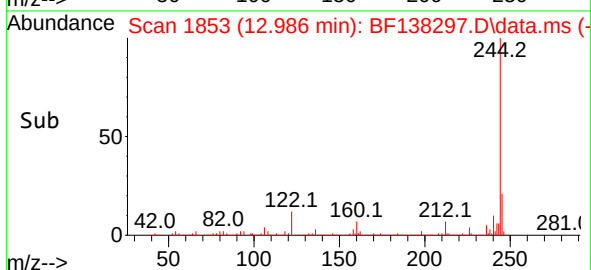
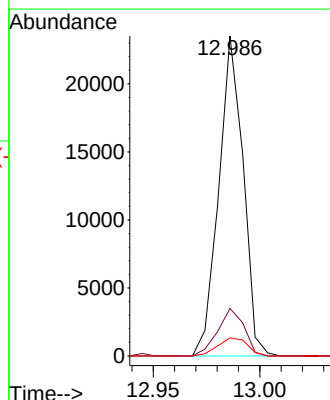
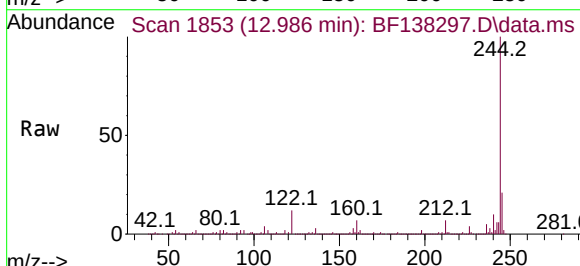
Tgt Ion:184 Resp: 18679

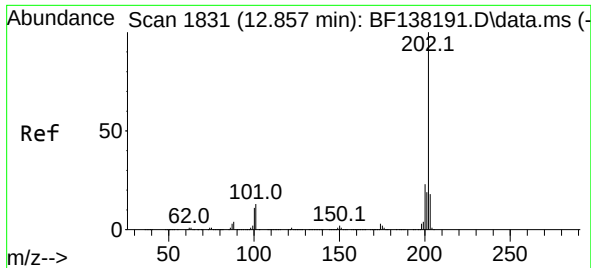
Ion Ratio Lower Upper

184 100

185 14.8 12.6 19.0

183 5.7 9.0 13.6#

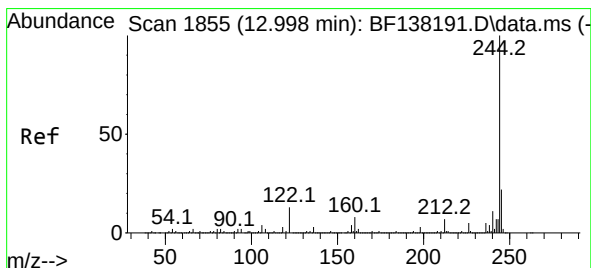
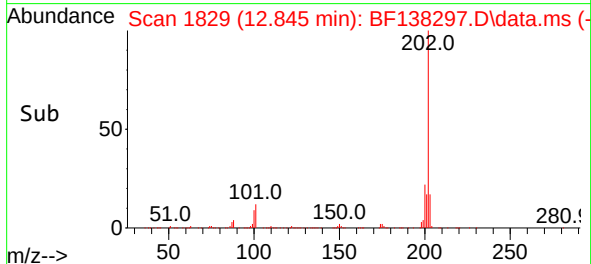
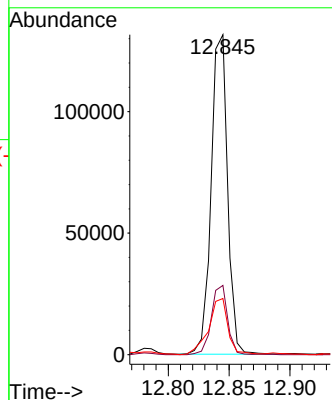
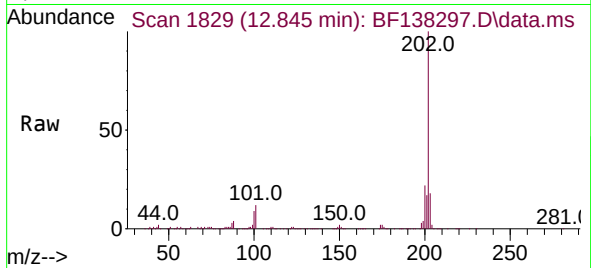




#78
 Pyrene
 Concen: 2.501 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.012 min
 Lab File: BF138297.D
 Acq: 21 Jun 2024 21:07

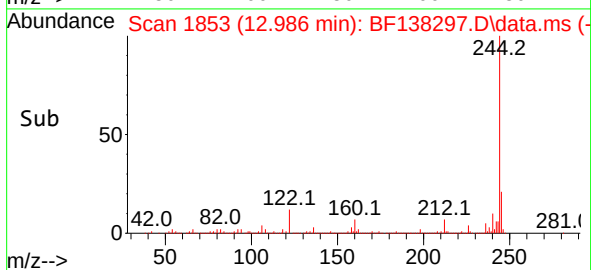
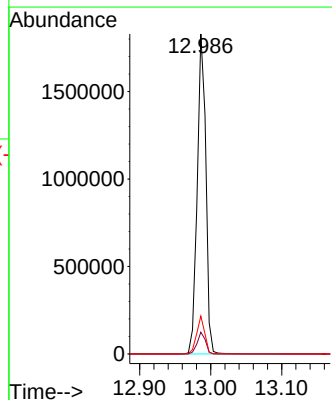
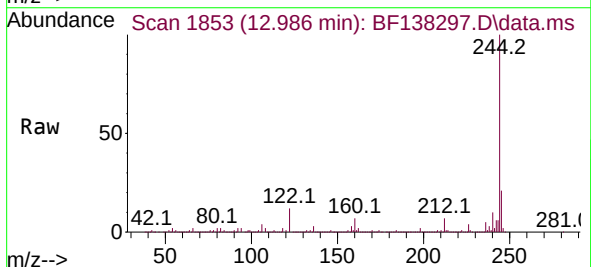
Instrument :
 BNA_F
 ClientSampleId :
 OSTL-C6

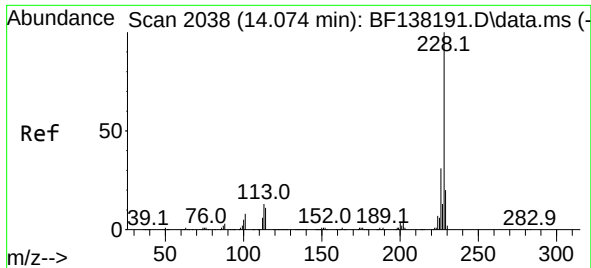
Tgt Ion:202 Resp: 123654
 Ion Ratio Lower Upper
 202 100
 200 21.7 18.0 27.0
 203 17.5 14.7 22.1



#79
 Terphenyl-d14
 Concen: 42.710 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. -0.012 min
 Lab File: BF138297.D
 Acq: 21 Jun 2024 21:07

Tgt Ion:244 Resp: 1545510
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 11.9 10.6 15.8

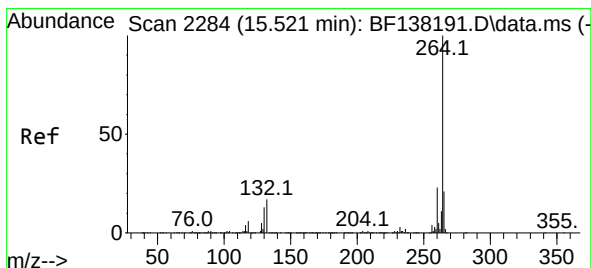
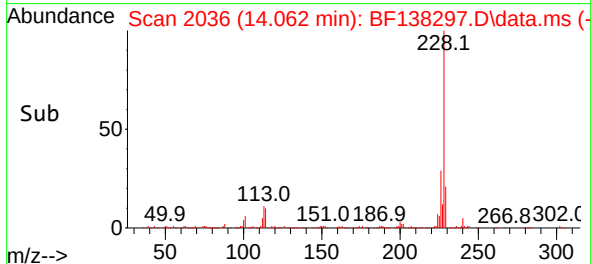
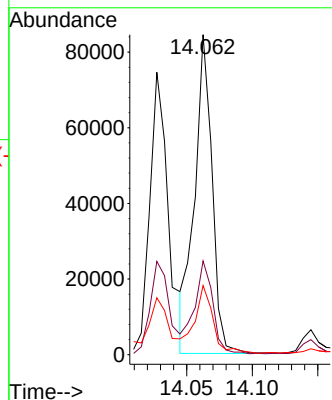
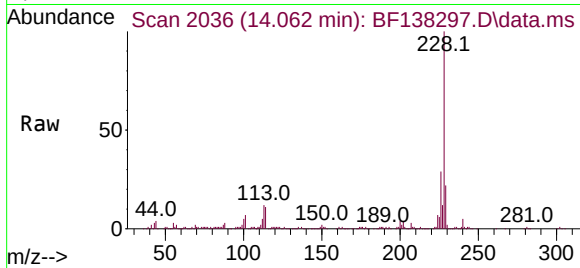




#83
Chrysene
Concen: 2.238 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

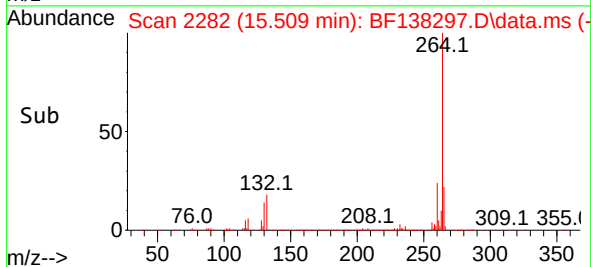
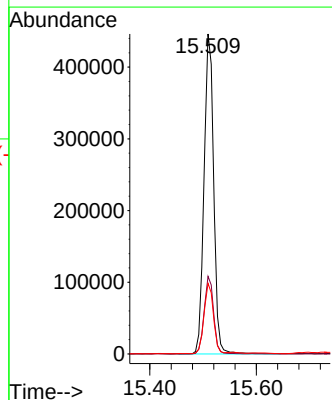
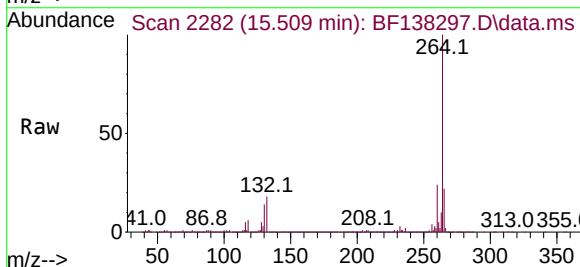
Instrument :
BNA_F
ClientSampleId :
OSTL-C6

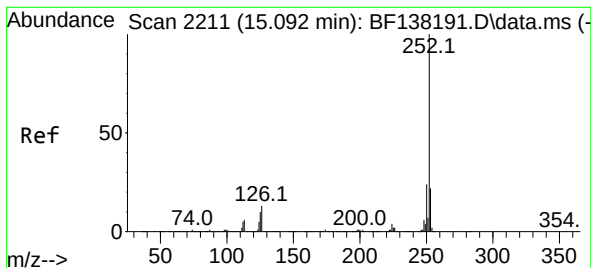
Tgt Ion:228 Resp: 78437
Ion Ratio Lower Upper
228 100
226 29.3 24.5 36.7
229 21.6 16.3 24.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2282
Delta R.T. -0.012 min
Lab File: BF138297.D
Acq: 21 Jun 2024 21:07

Tgt Ion:264 Resp: 561110
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 22.0 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 4.495 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138297.D

Acq: 21 Jun 2024 21:07

Instrument :

BNA_F

ClientSampleId :

OSTL-C6

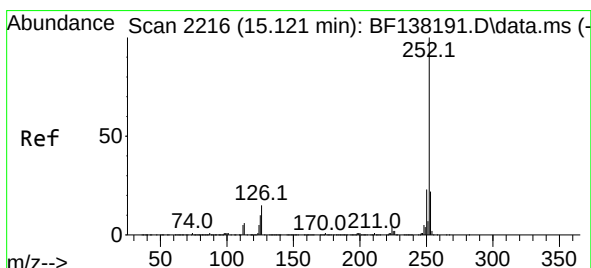
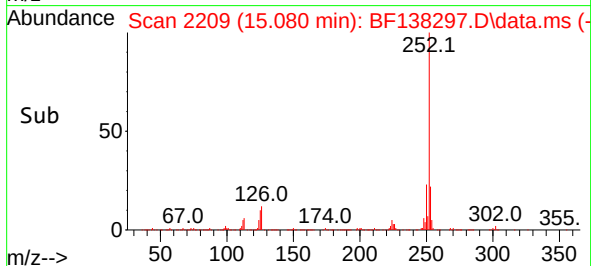
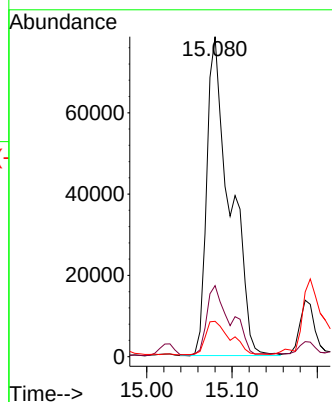
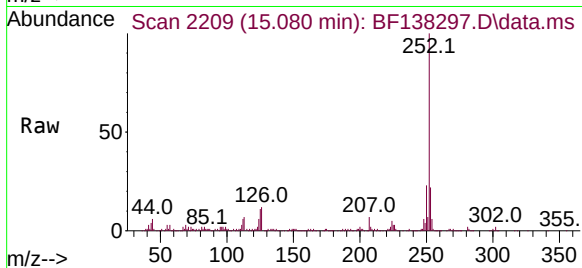
Tgt Ion:252 Resp: 148742

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 11.1 7.8 11.8



#89

Benzo(k)fluoranthene

Concen: 4.587 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.041 min

Lab File: BF138297.D

Acq: 21 Jun 2024 21:07

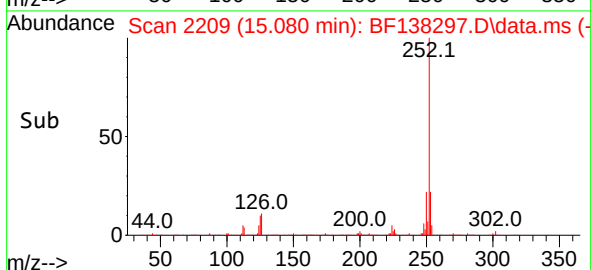
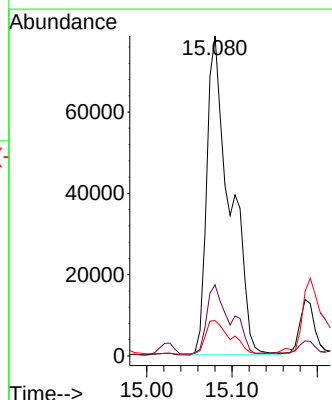
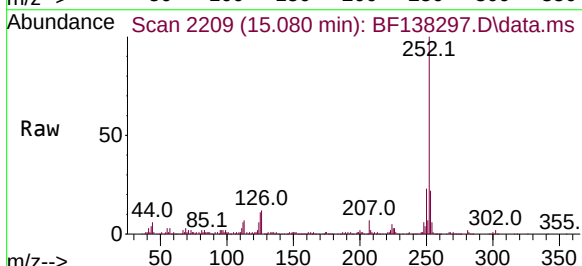
Tgt Ion:252 Resp: 148742

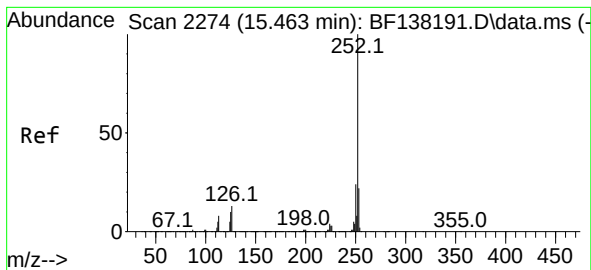
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 11.1 8.0 12.0





#90

Benzo(a)pyrene

Concen: 2.291 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138297.D

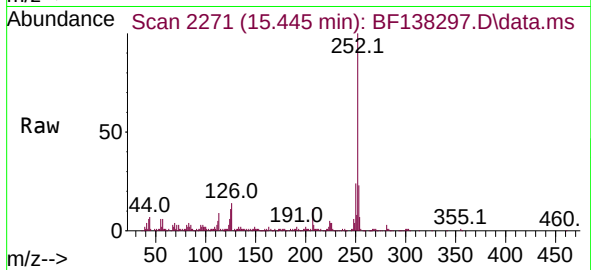
Acq: 21 Jun 2024 21:07

Instrument :

BNA_F

ClientSampleId :

OSTL-C6



Tgt Ion:252 Resp: 65137

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 11.3 8.2 12.2

