

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062124\
 Data File : BF138294.D
 Acq On : 21 Jun 2024 19:35
 Operator : CG\JU
 Sample : P2977-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OSTL-A1

Quant Time: Jun 21 23:02:07 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)

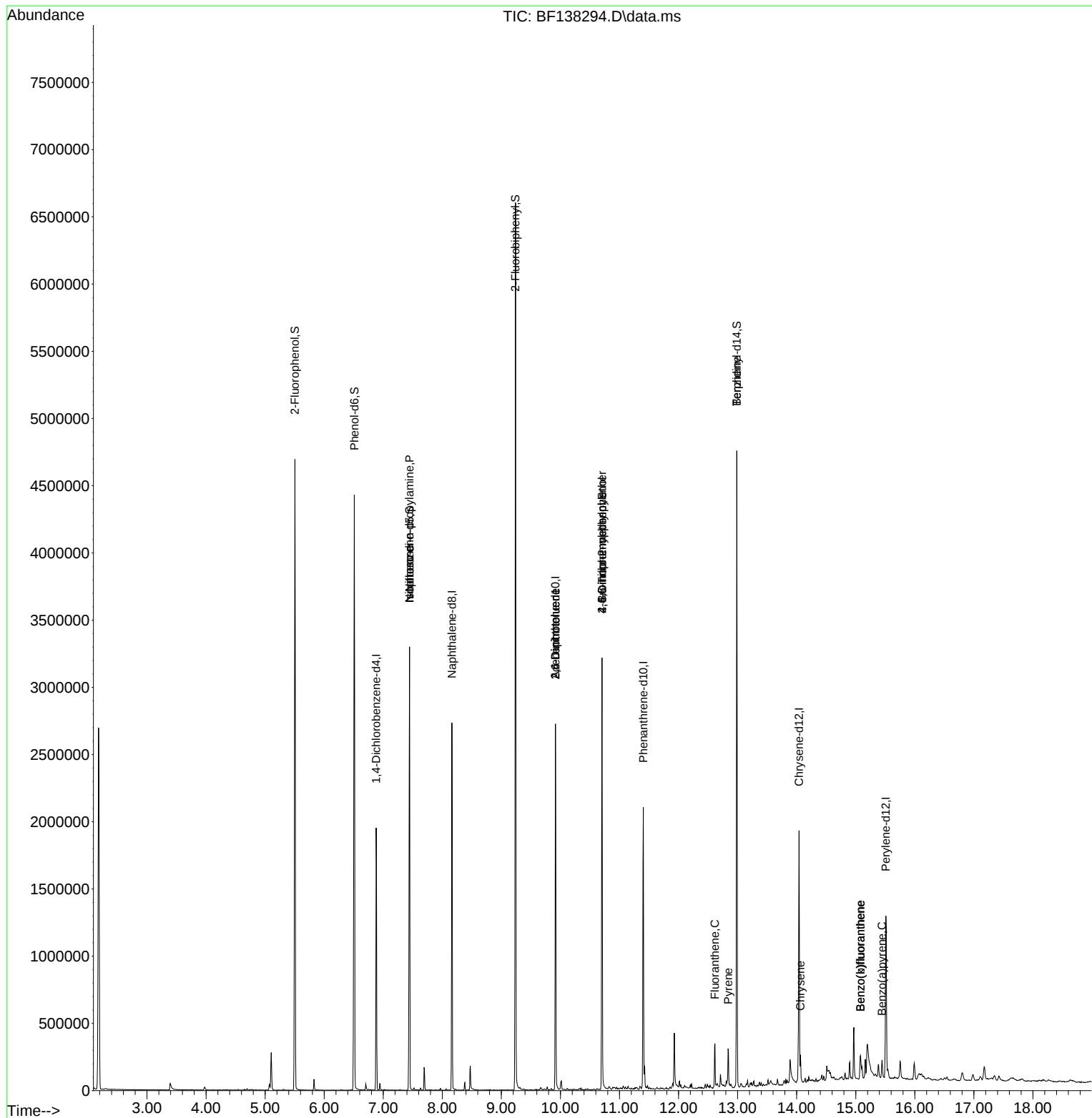
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	287698	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	1091022	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	549572	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	746847	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	562273	20.000	ng	-0.01
86) Perylene-d12	15.509	264	566414	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1367639	79.522	ng	0.00
7) Phenol-d6	6.510	99	1685920	77.307	ng	-0.01
23) Nitrobenzene-d5	7.445	82	1008178	53.796	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	381642	69.756	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1928623	55.803	ng	-0.01
79) Terphenyl-d14	12.986	244	1493685	42.075	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	132682	10.264	ng	# 77
25) Isophorone	7.445	82	1006382	29.688	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	72083	9.868	ng	# 25
57) 2,4-Dinitrotoluene	9.916	165	72083	8.000	ng	# 31
65) 4,6-Dinitro-2-methylph...	10.704	198	744	7.102	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	24048	2.858	ng	# 1
75) Fluoranthene	12.616	202	130348	3.461	ng	95
77) Benzidine	12.986	184	18587	2.858	ng	# 95
78) Pyrene	12.839	202	120215	2.479	ng	99
83) Chrysene	14.063	228	72051	2.096	ng	97
88) Benzo(b)fluoranthene	15.080	252	134839	4.037	ng	# 97
89) Benzo(k)fluoranthene	15.080	252	134839	4.119	ng	# 97
90) Benzo(a)pyrene	15.445	252	62016	2.161	ng	# 98

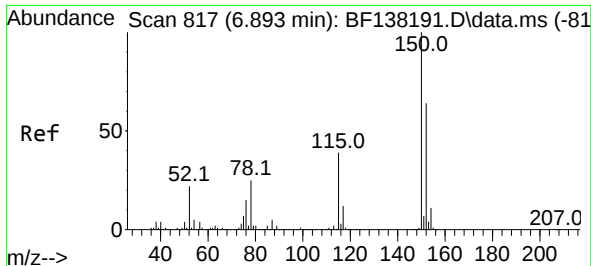
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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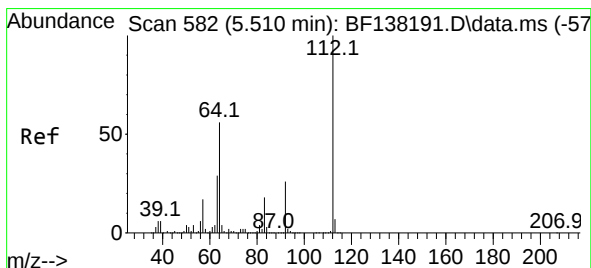
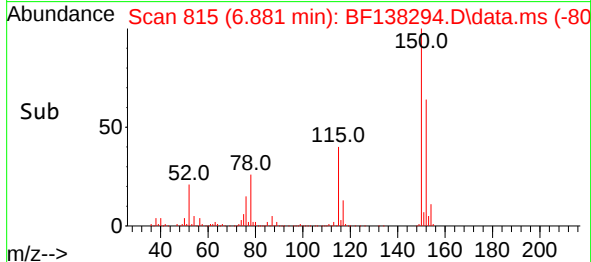
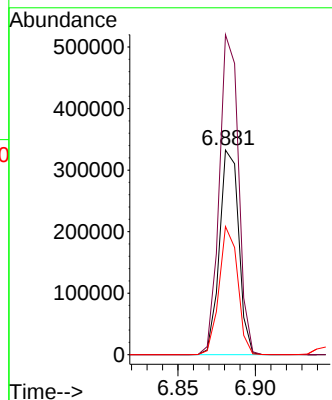
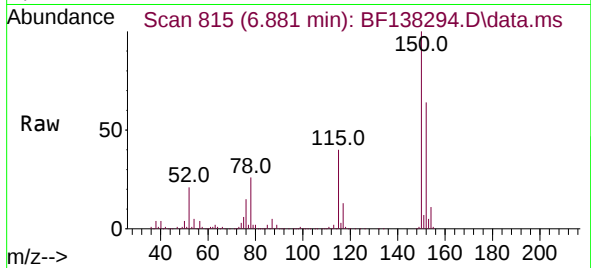




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

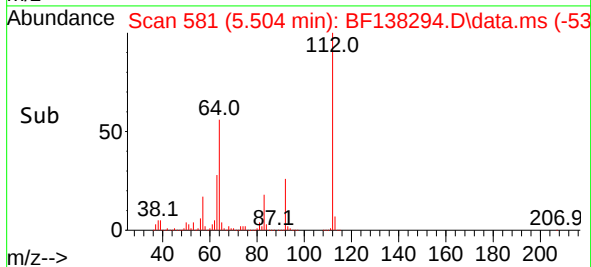
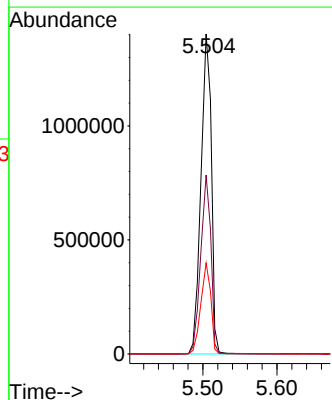
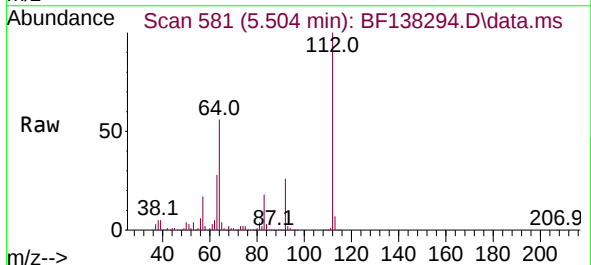
Instrument :
BNA_F
ClientSampleId :
OSTL-A1

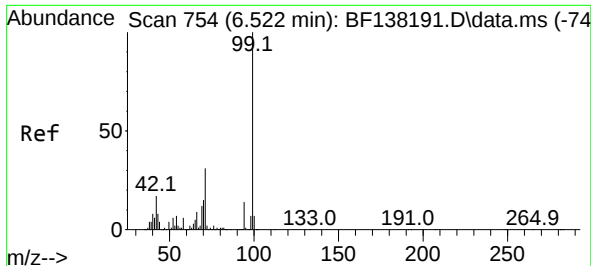
Tgt Ion:152 Resp: 287698
Ion Ratio Lower Upper
152 100
150 156.4 125.0 187.4
115 62.6 48.4 72.6



#5
2-Fluorophenol
Concen: 79.522 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

Tgt Ion:112 Resp: 1367639
Ion Ratio Lower Upper
112 100
64 55.9 45.2 67.8
63 28.5 22.9 34.3

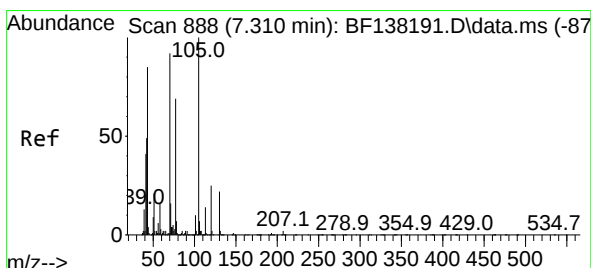
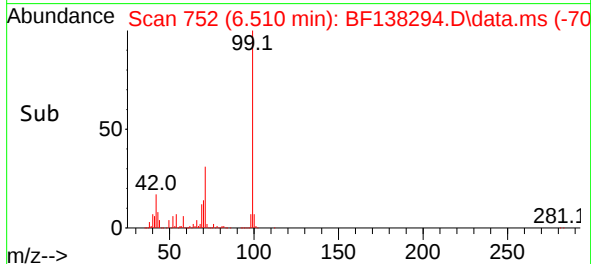
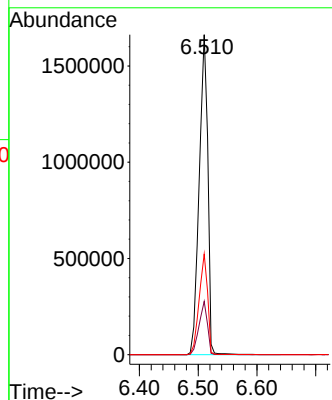
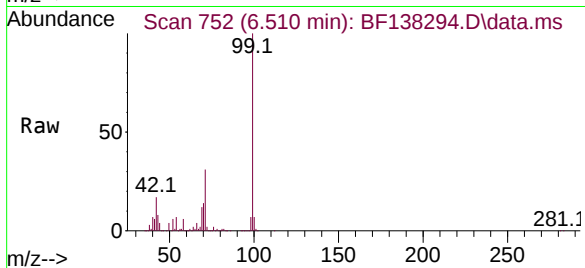




#7
Phenol-d6
Concen: 77.307 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.012 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

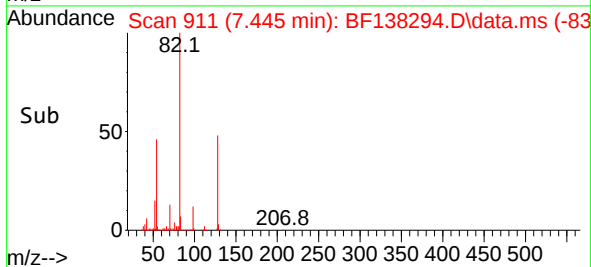
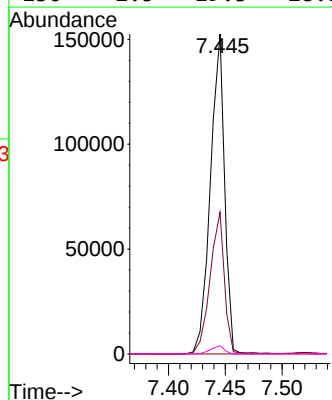
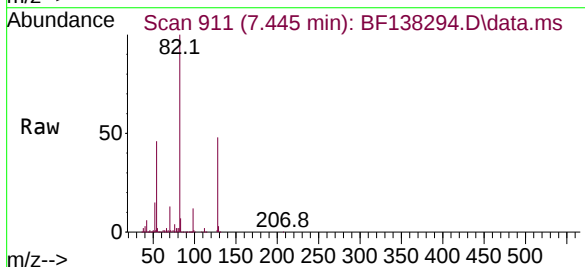
Instrument :
BNA_F
ClientSampleId :
OSTL-A1

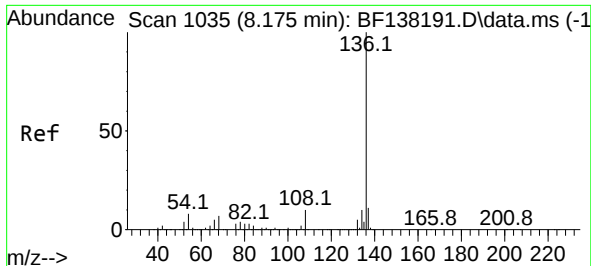
Tgt Ion: 99 Resp: 1685920
Ion Ratio Lower Upper
99 100
42 16.7 13.7 20.5
71 31.4 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.264 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.135 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

Tgt Ion: 70 Resp: 132682
Ion Ratio Lower Upper
70 100
42 44.3 42.8 64.2
101 0.0 8.4 12.6#
130 2.5 19.3 28.9#



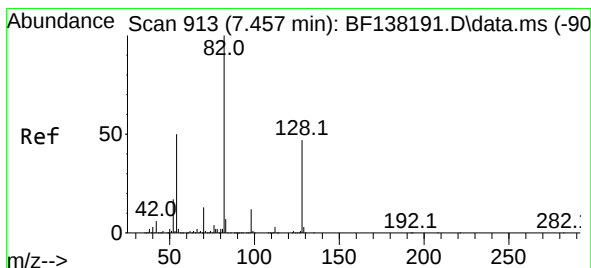
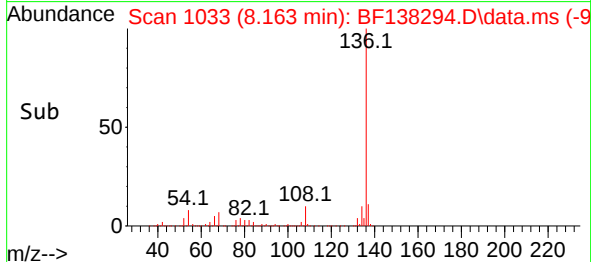
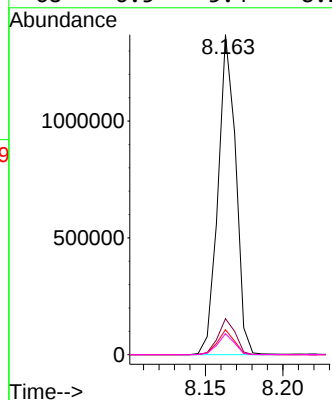
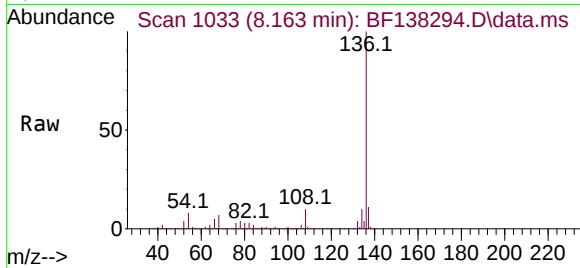


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1091
Delta R.T. -0.012 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

Instrument :
BNA_F
ClientSampleId :
OSTL-A1

Tgt Ion:136 Resp: 1091022

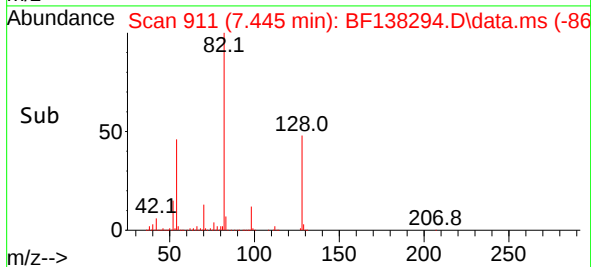
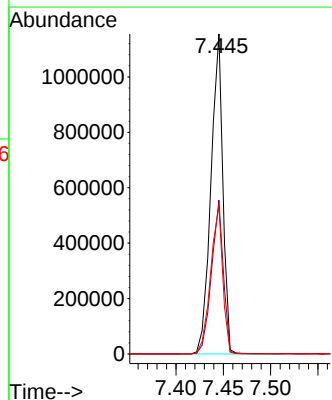
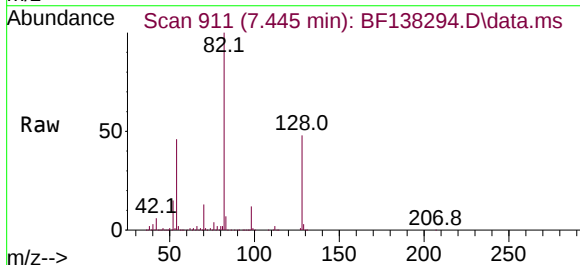
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.8	6.6	10.0
68	6.5	5.4	8.2

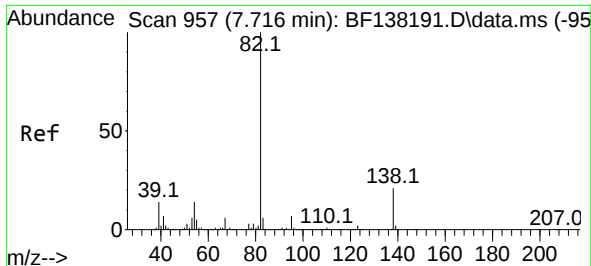


#23
Nitrobenzene-d5
Concen: 53.796 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

Tgt Ion: 82 Resp: 1008178

Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.2	55.8
54	46.3	39.8	59.6

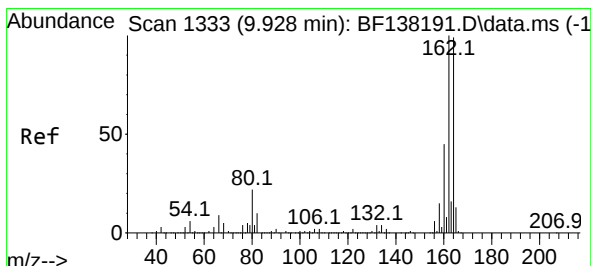
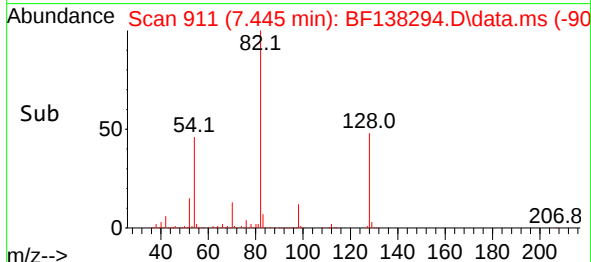
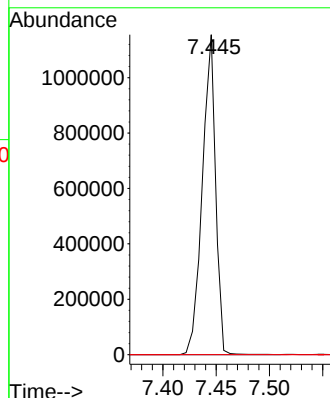
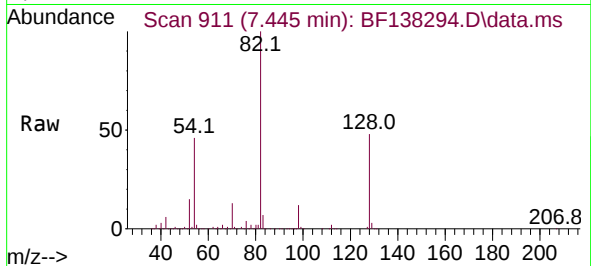




#25
Isophorone
Concen: 29.688 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.271 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

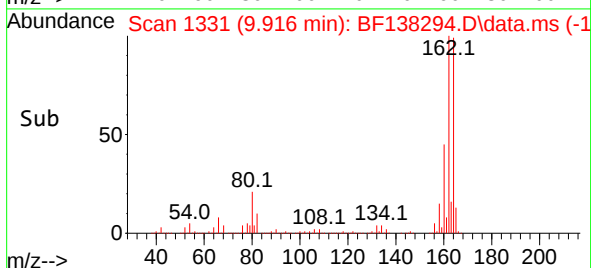
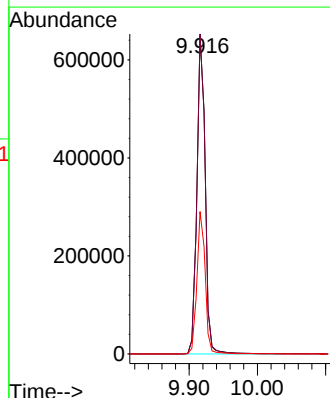
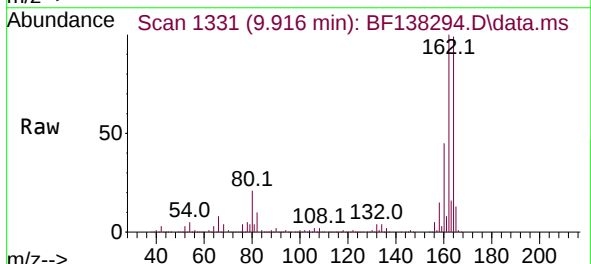
Instrument :
BNA_F
ClientSampleId :
OSTL-A1

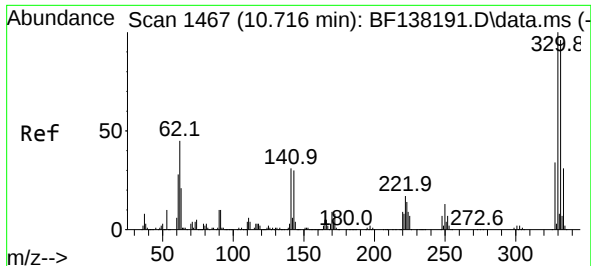
Tgt Ion: 82 Resp: 1006382
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

Tgt Ion:164 Resp: 549572
Ion Ratio Lower Upper
164 100
162 100.8 80.6 121.0
160 44.9 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 69.756 ng

RT: 10.704 min Scan# 1465

Delta R.T. -0.012 min

Lab File: BF138294.D

Acq: 21 Jun 2024 19:35

Instrument :

BNA_F

ClientSampleId :

OSTL-A1

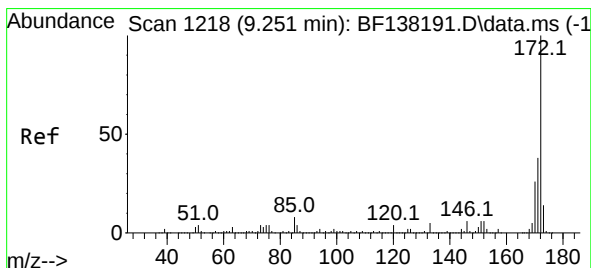
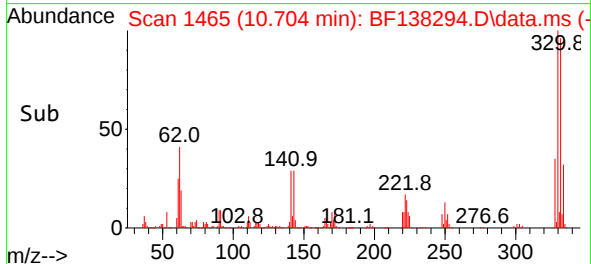
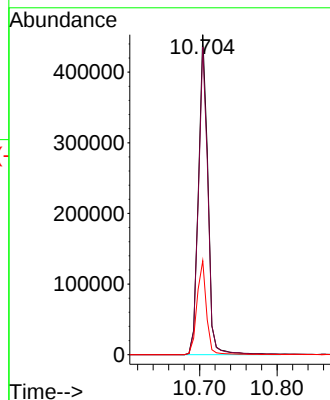
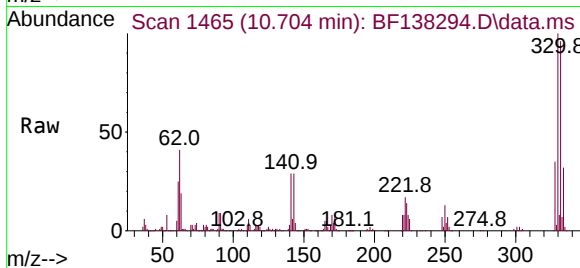
Tgt Ion:330 Resp: 381642

Ion Ratio Lower Upper

330 100

332 96.8 76.6 115.0

141 29.5 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 55.803 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF138294.D

Acq: 21 Jun 2024 19:35

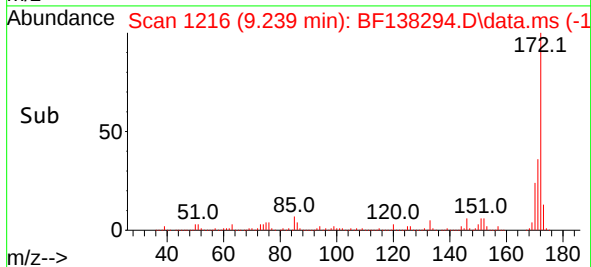
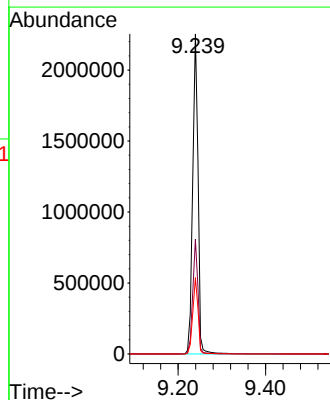
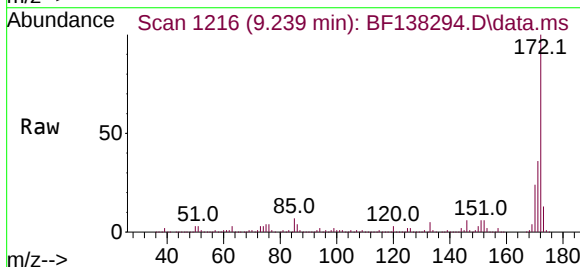
Tgt Ion:172 Resp: 1928623

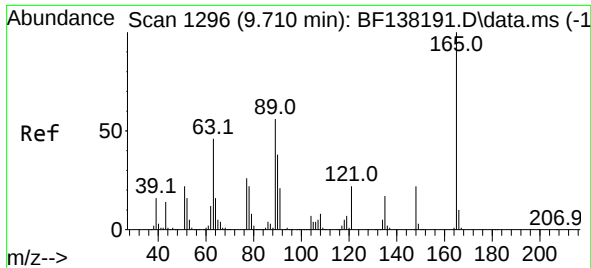
Ion Ratio Lower Upper

172 100

171 35.8 30.3 45.5

170 23.9 20.6 30.8

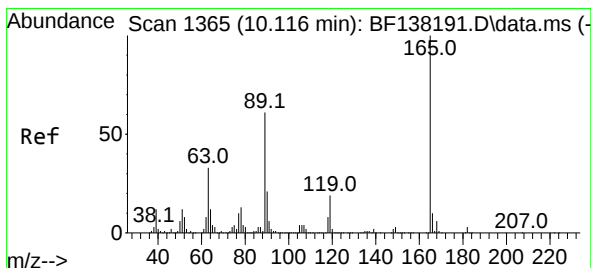
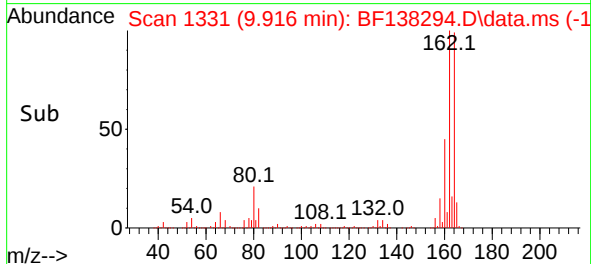
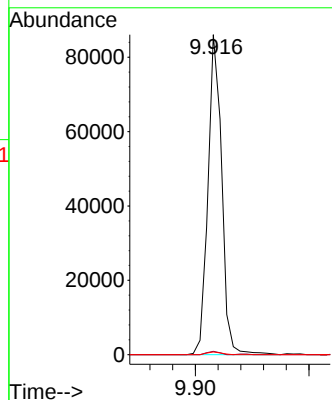
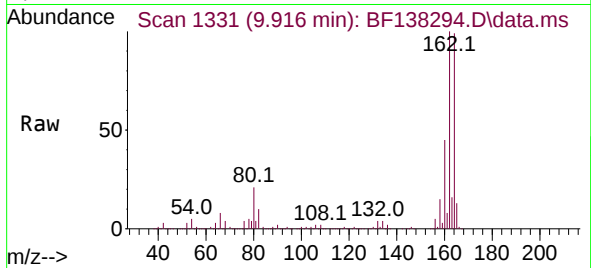




#51
2,6-Dinitrotoluene
Concen: 9.868 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

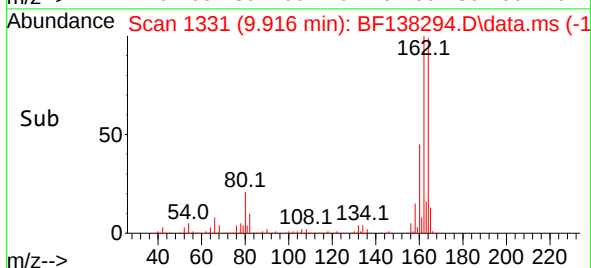
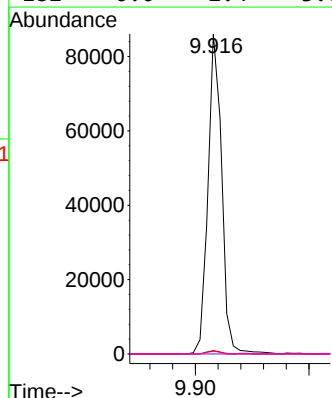
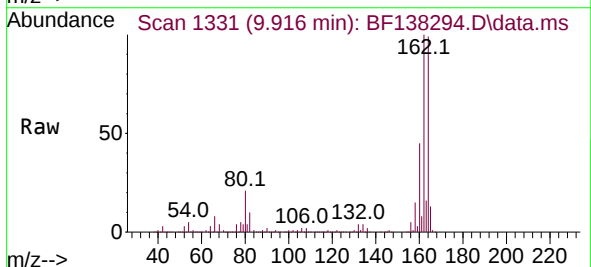
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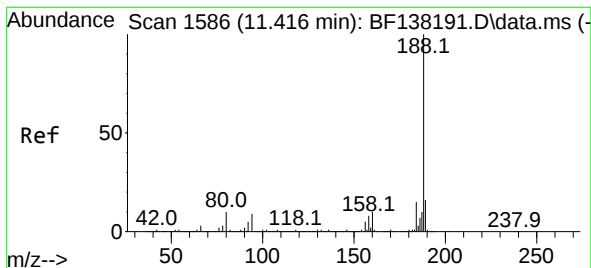
Tgt Ion:165 Resp: 72083
Ion Ratio Lower Upper
165 100
63 1.1 43.7 65.5#
89 0.9 44.9 67.3#



#57
2,4-Dinitrotoluene
Concen: 8.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.200 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

Tgt Ion:165 Resp: 72083
Ion Ratio Lower Upper
165 100
63 1.1 26.6 39.8#
89 0.9 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: BF138294.D

Acq: 21 Jun 2024 19:35

Instrument :

BNA_F

ClientSampleId :

OSTL-A1

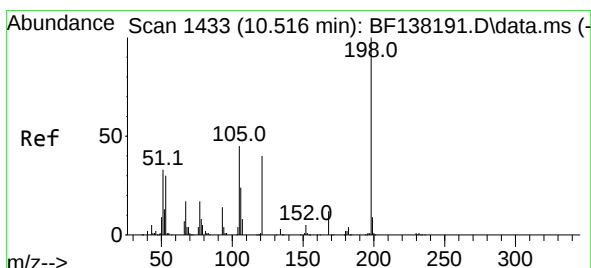
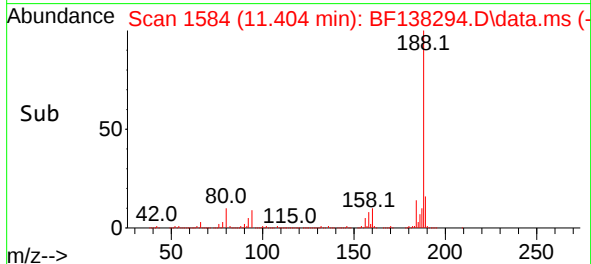
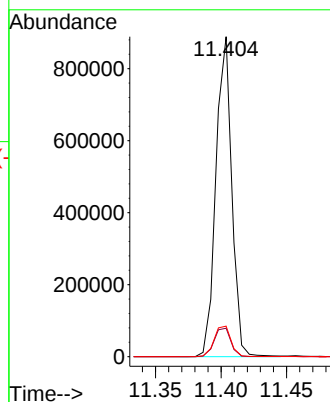
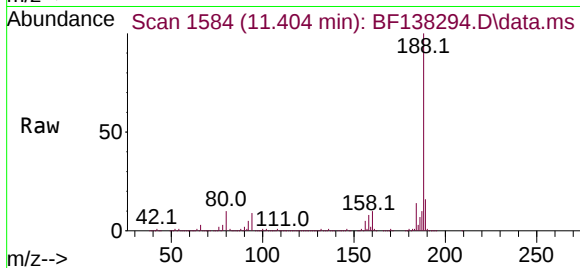
Tgt Ion:188 Resp: 746847

Ion Ratio Lower Upper

188 100

94 8.9 7.6 11.4

80 9.5 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.102 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.188 min

Lab File: BF138294.D

Acq: 21 Jun 2024 19:35

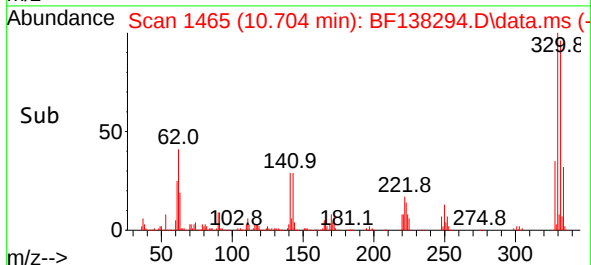
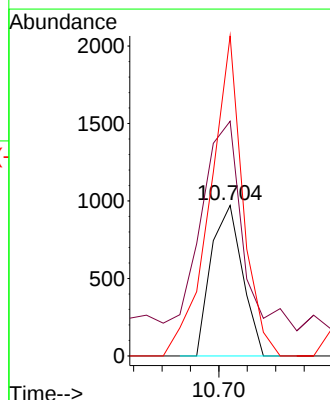
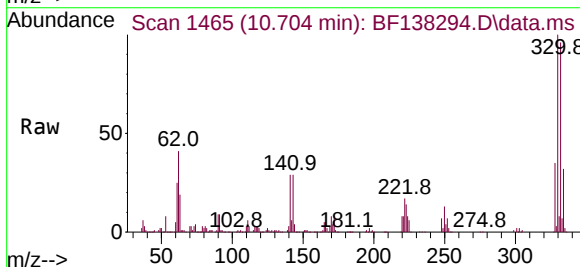
Tgt Ion:198 Resp: 744

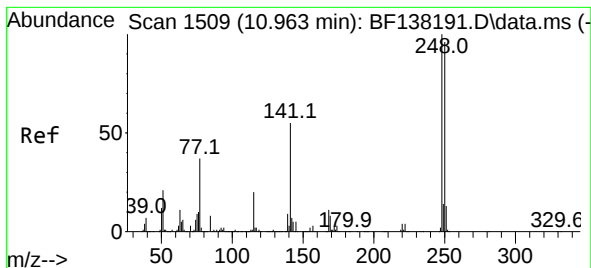
Ion Ratio Lower Upper

198 100

51 155.9 26.9 66.9#

105 212.4 26.0 66.0#

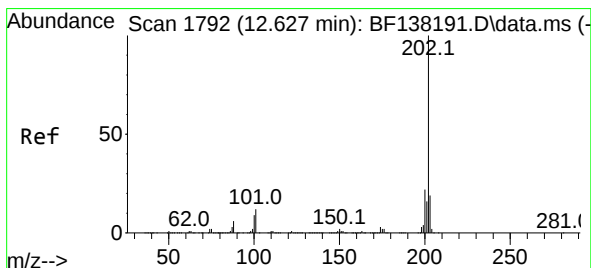
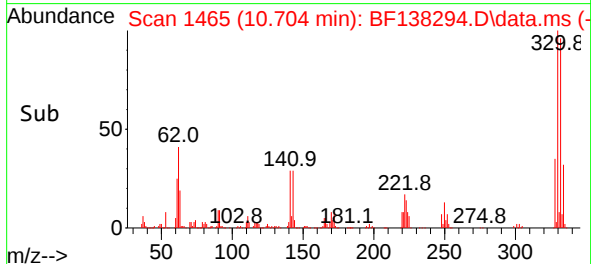
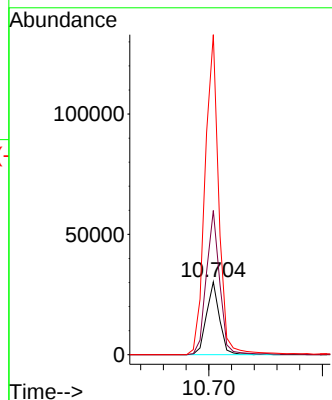
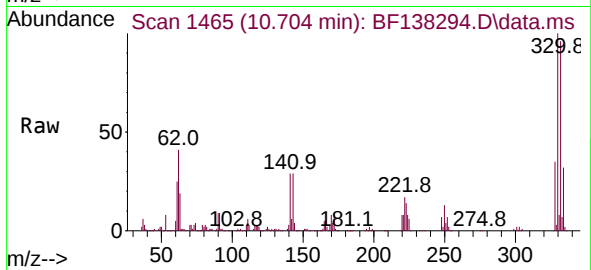




#67
4-Bromophenyl-phenylether
Concen: 2.858 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.259 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

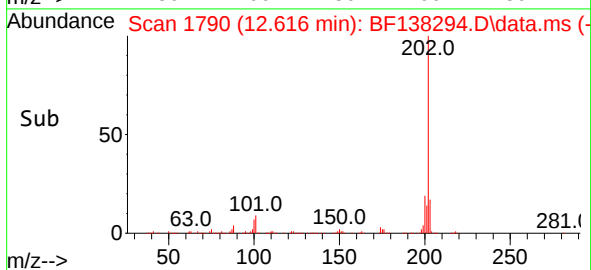
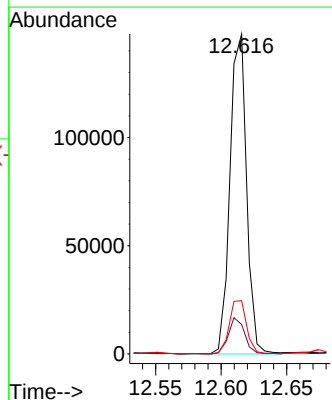
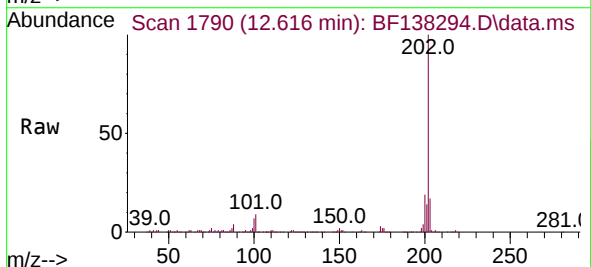
Instrument :
BNA_F
ClientSampleId :
OSTL-A1

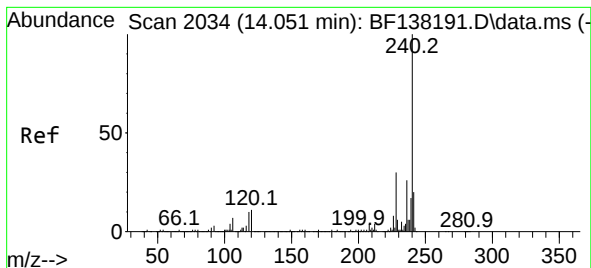
Tgt Ion:248 Resp: 24048
Ion Ratio Lower Upper
248 100
250 197.8 77.2 115.8#
141 439.3 44.1 66.1#



#75
Fluoranthene
Concen: 3.461 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

Tgt Ion:202 Resp: 130348
Ion Ratio Lower Upper
202 100
101 9.2 0.0 31.8
203 16.7 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: BF138294.D

Acq: 21 Jun 2024 19:35

Instrument :

BNA_F

ClientSampleId :

OSTL-A1

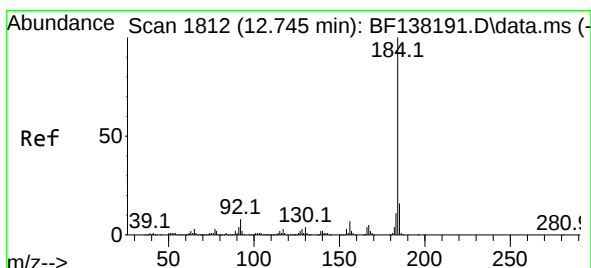
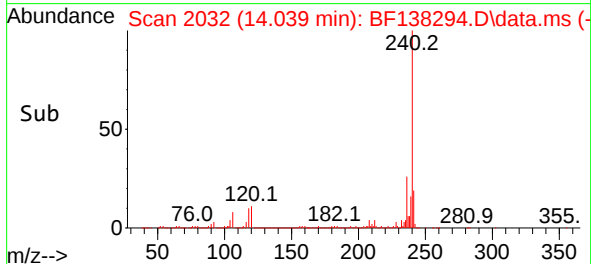
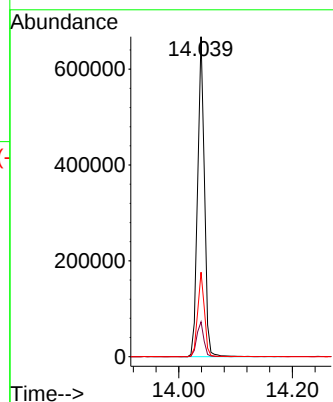
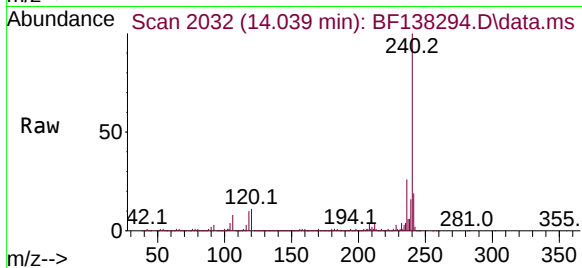
Tgt Ion:240 Resp: 562273

Ion Ratio Lower Upper

240 100

120 10.9 9.2 13.8

236 26.4 21.0 31.6



#77

Benzidine

Concen: 2.858 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.241 min

Lab File: BF138294.D

Acq: 21 Jun 2024 19:35

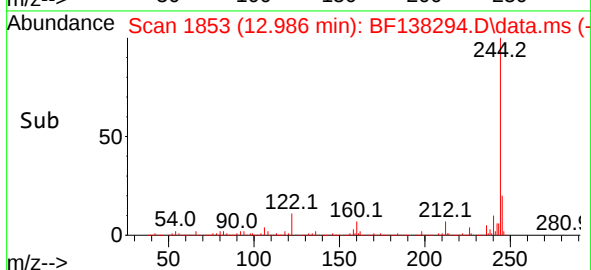
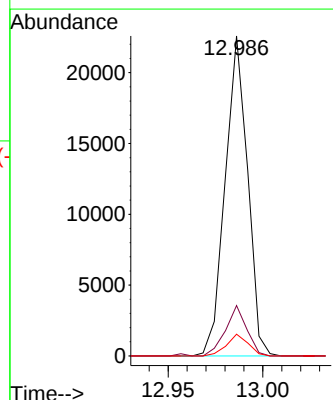
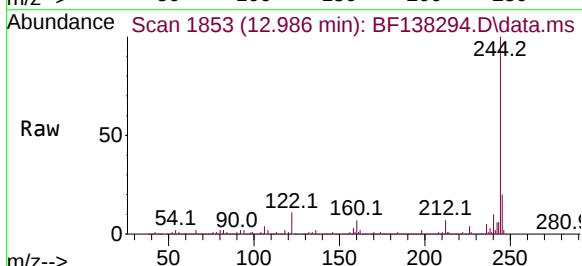
Tgt Ion:184 Resp: 18587

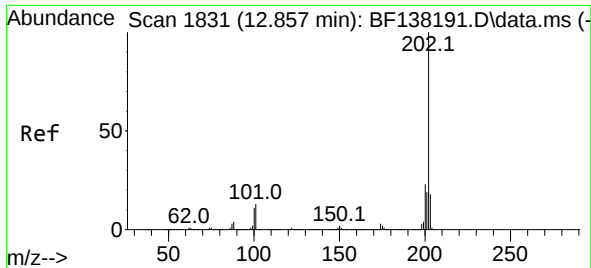
Ion Ratio Lower Upper

184 100

185 15.7 12.6 19.0

183 6.8 9.0 13.6#

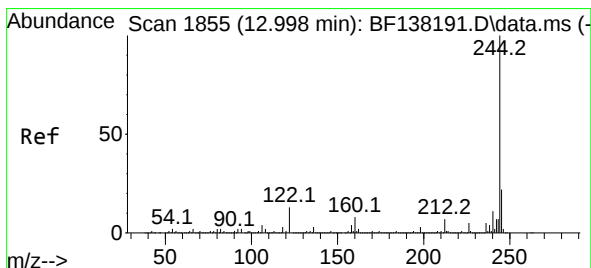
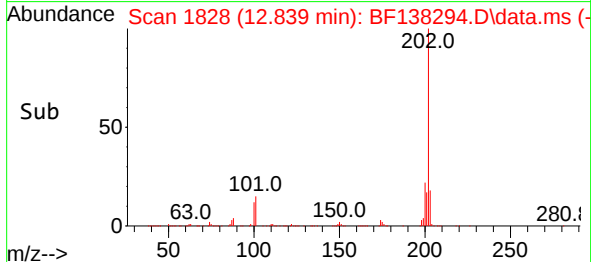
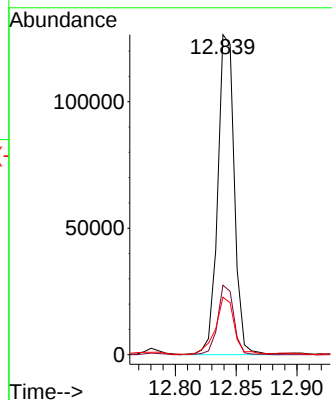
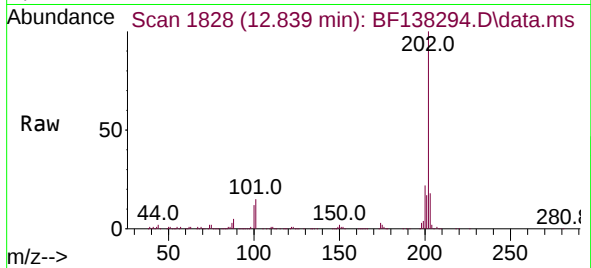




#78
Pyrene
Concen: 2.479 ng
RT: 12.839 min Scan# 1828
Delta R.T. -0.018 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

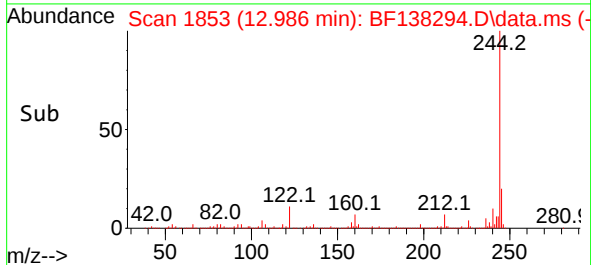
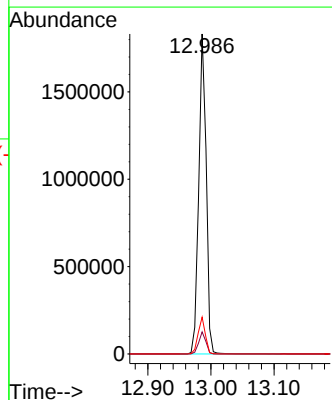
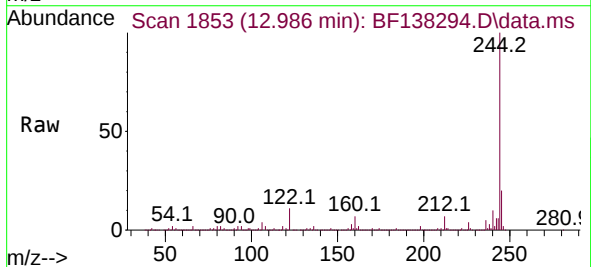
Instrument :
BNA_F
ClientSampleId :
OSTL-A1

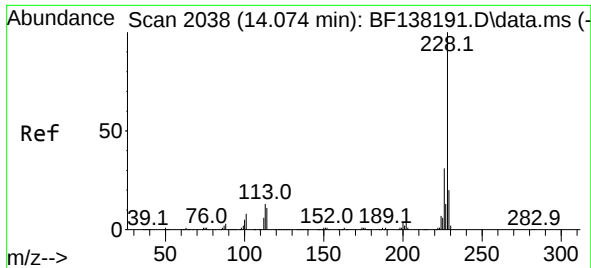
Tgt Ion:202 Resp: 120215
Ion Ratio Lower Upper
202 100
200 21.7 18.0 27.0
203 17.9 14.7 22.1



#79
Terphenyl-d14
Concen: 42.075 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.012 min
Lab File: BF138294.D
Acq: 21 Jun 2024 19:35

Tgt Ion:244 Resp: 1493685
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 11.5 10.6 15.8





#83

Chrysene

Concen: 2.096 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF138294.D

Acq: 21 Jun 2024 19:35

Instrument :

BNA_F

ClientSampleId :

OSTL-A1

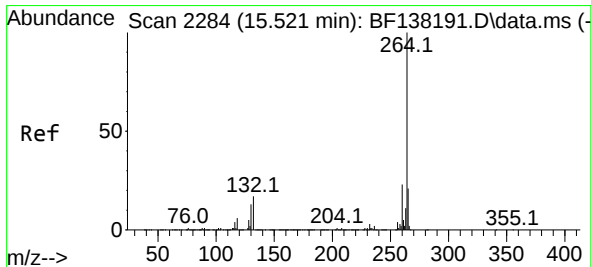
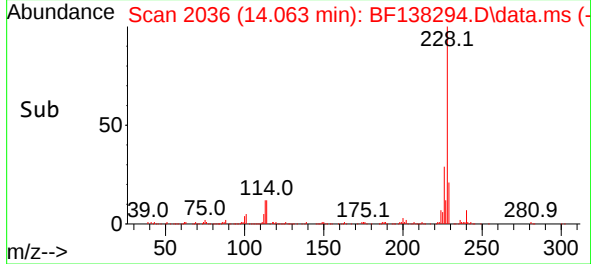
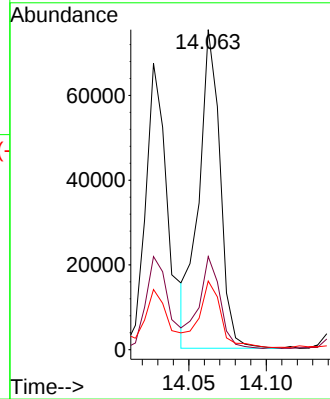
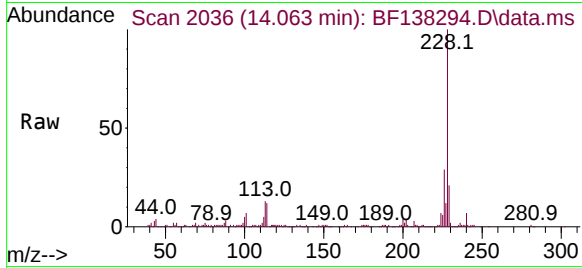
Tgt Ion:228 Resp: 72051

Ion Ratio Lower Upper

228 100

226 29.1 24.5 36.7

229 21.5 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: BF138294.D

Acq: 21 Jun 2024 19:35

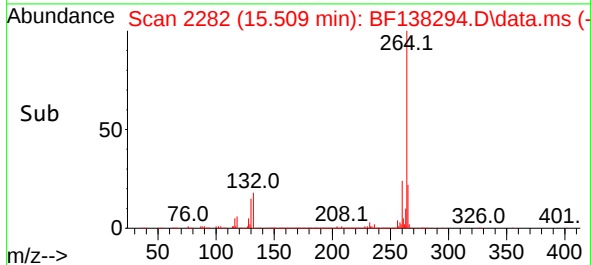
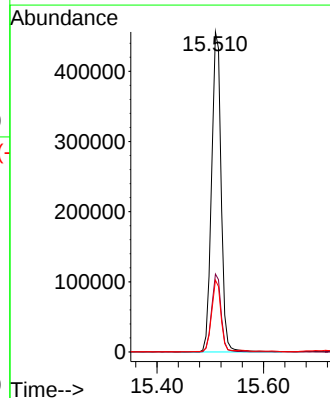
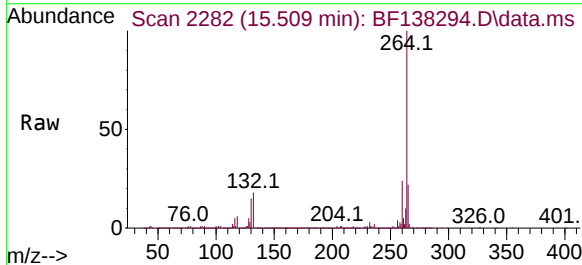
Tgt Ion:264 Resp: 566414

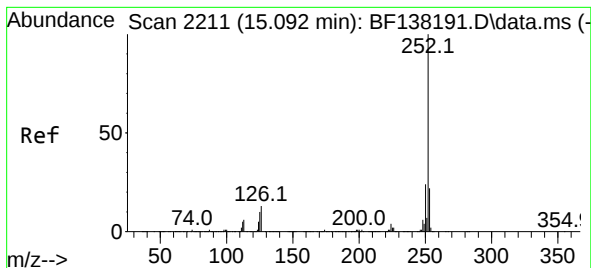
Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

265 22.5 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 4.037 ng

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138294.D

Acq: 21 Jun 2024 19:35

Instrument :

BNA_F

ClientSampleId :

OSTL-A1

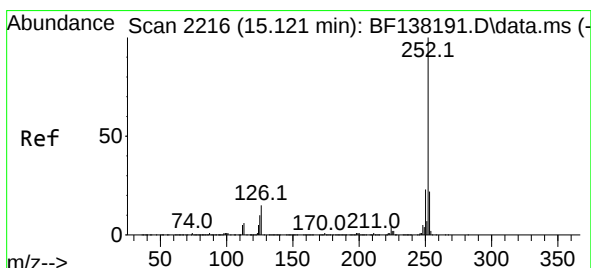
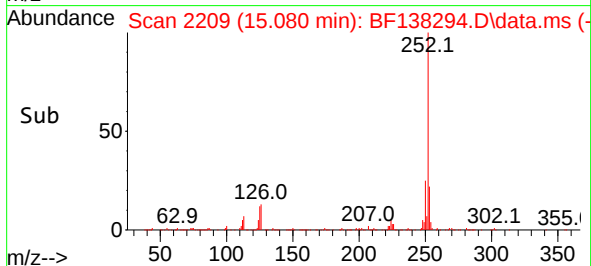
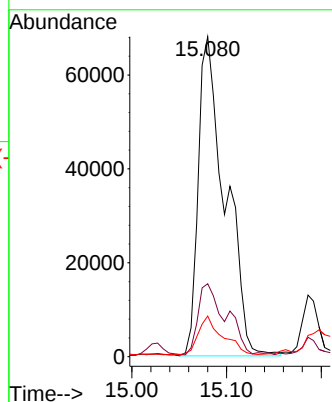
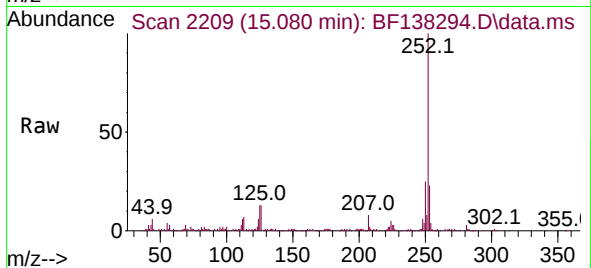
Tgt Ion:252 Resp: 134839

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 12.7 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 4.119 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.041 min

Lab File: BF138294.D

Acq: 21 Jun 2024 19:35

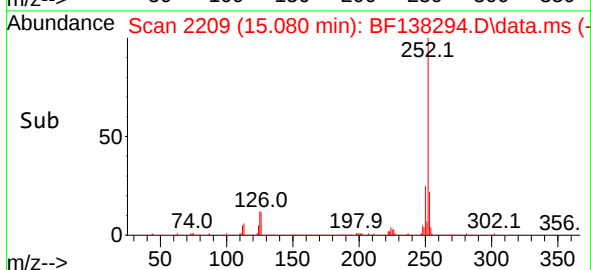
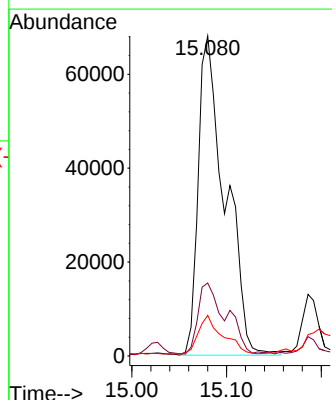
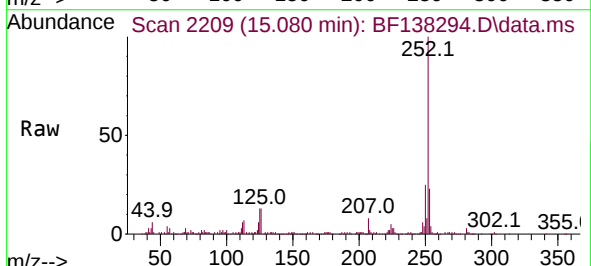
Tgt Ion:252 Resp: 134839

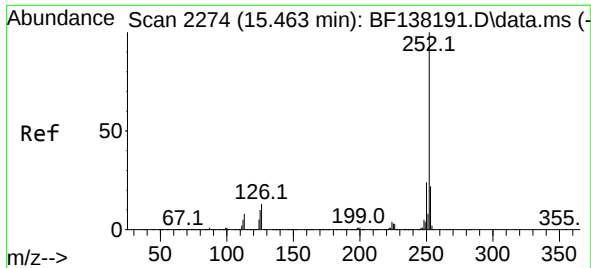
Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 12.7 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 2.161 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138294.D

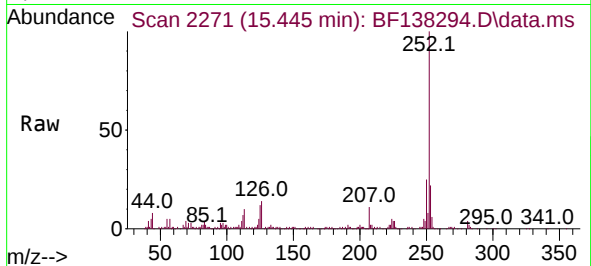
Acq: 21 Jun 2024 19:35

Instrument :

BNA_F

ClientSampleId :

OSTL-A1



Tgt Ion:252 Resp: 62016

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 12.3 8.2 12.2#

