

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060724\
 Data File : BF138160.D
 Acq On : 07 Jun 2024 15:05
 Operator : CG\JU
 Sample : P2704-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPO

Quant Time: Jun 07 15:44:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 06 05:19:29 2024
 Response via : Initial Calibration

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

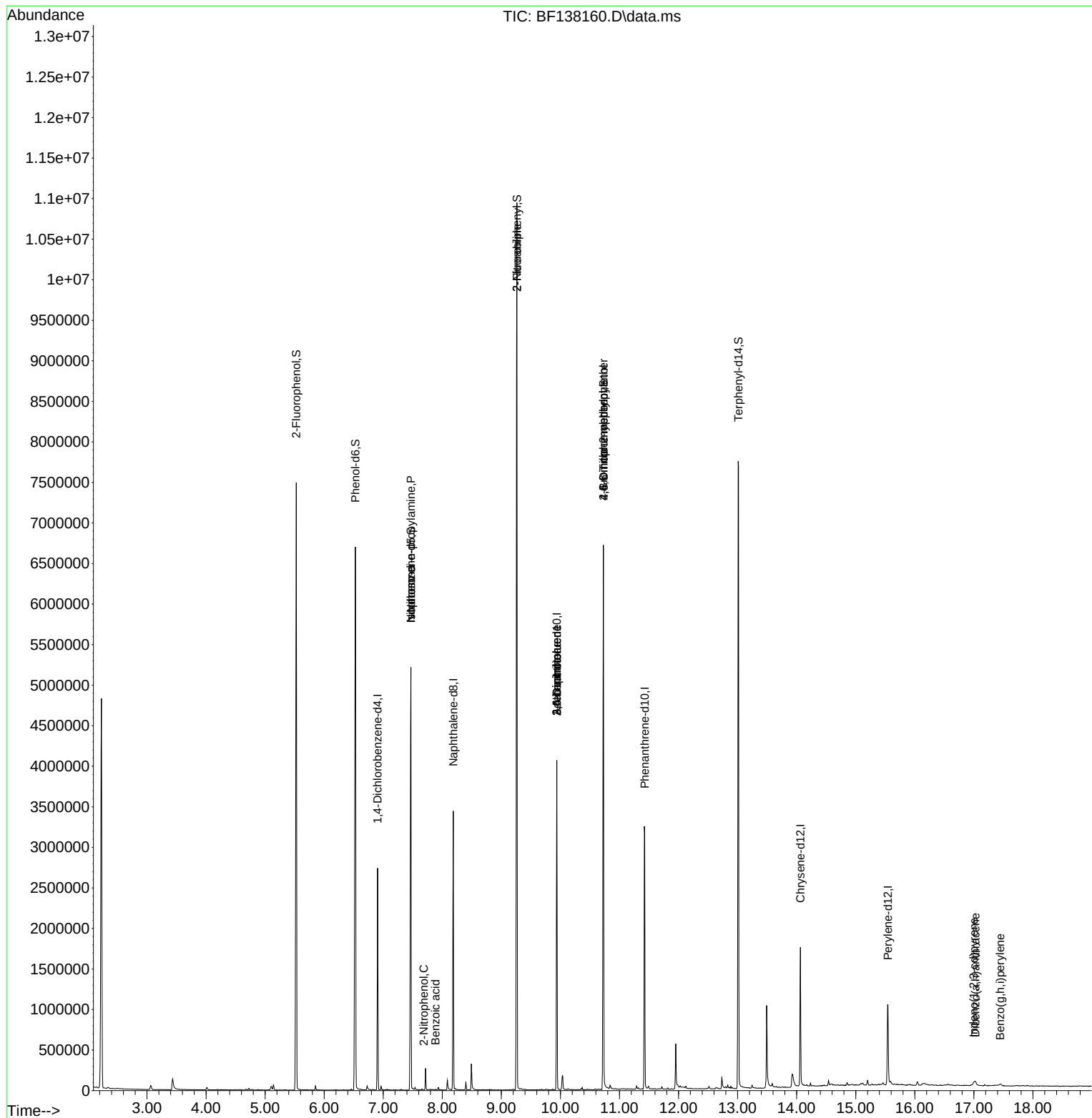
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	347352	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	1348688	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	759593	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	1237607	20.000	ng	0.00
76) Chrysene-d12	14.063	240	578546	20.000	ng	0.00
86) Perylene-d12	15.545	264	536833	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	2205706	108.220	ng	0.00
7) Phenol-d6	6.528	99	2822526	109.453	ng	0.00
23) Nitrobenzene-d5	7.469	82	1666979	84.094	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	848273	116.041	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	3259177	75.024	ng	0.00
79) Terphenyl-d14	13.016	244	2946570	76.179	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	245	Below Cal	#	47
19) n-Nitroso-di-n-propyla...	7.469	70	225002	13.684	ng	# 76
25) Isophorone	7.469	82	1666962	38.171	ng	# 63
26) 2-Nitrophenol	7.686	139	74	5.059	ng	# 34
32) Benzoic acid	7.886	122	66	7.940	ng	# 34
48) 2-Nitroaniline	9.263	65	5252	5.244	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	99747	12.349	ng	# 25
53) 3-Nitroaniline	9.939	138	154	2.958	ng	# 1
57) 2,4-Dinitrotoluene	9.939	165	99747	11.236	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.727	198	2009	8.837	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	52241	3.707	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.998	276	45912	4.940	ng	# 87
91) Dibenzo(a,h)anthracene	17.027	278	48023	5.553	ng	96
92) Benzo(g,h,i)perylene	17.445	276	23802	3.904	ng	95

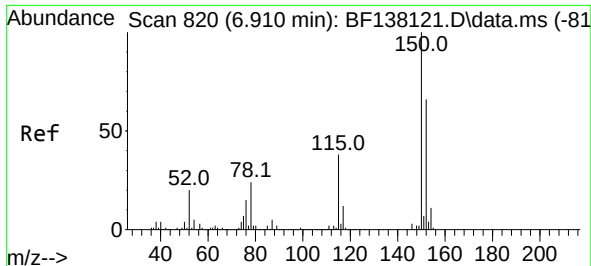
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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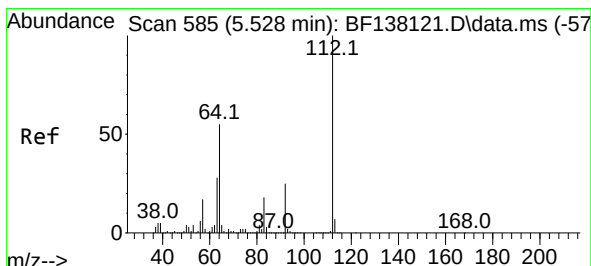
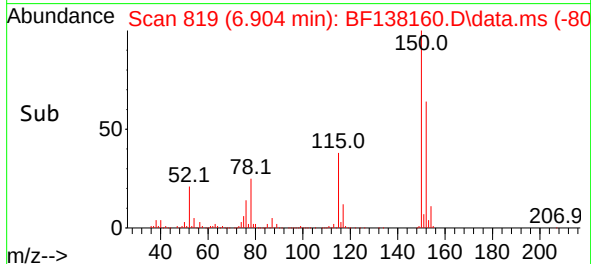
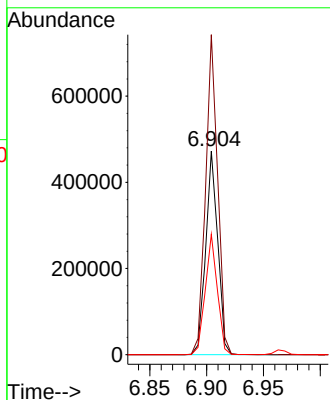
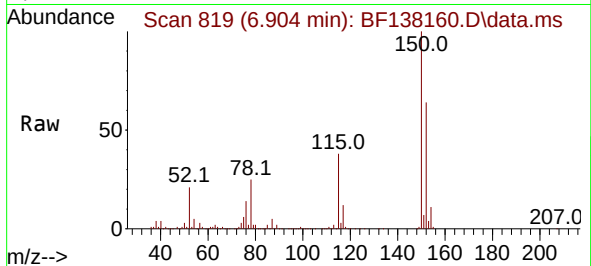




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 819
 Delta R.T. -0.006 min
 Lab File: BF138160.D
 Acq: 07 Jun 2024 15:05

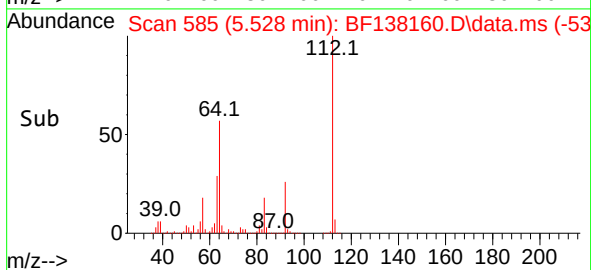
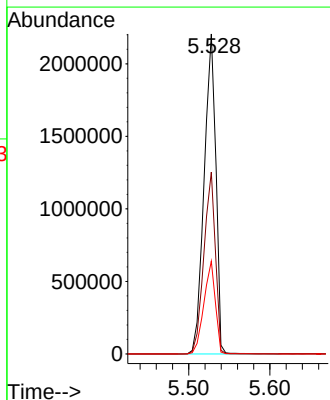
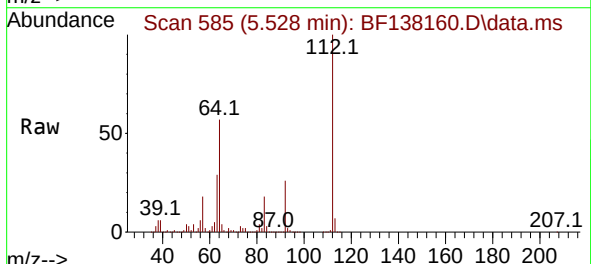
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPO

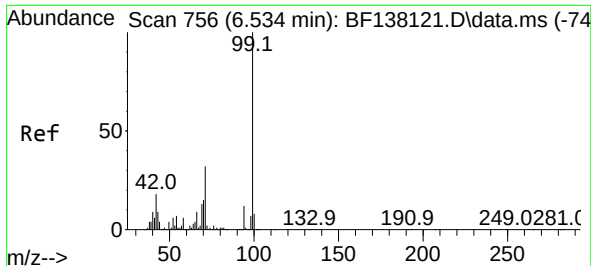
Tgt Ion:152 Resp: 347352
 Ion Ratio Lower Upper
 152 100
 150 157.2 121.8 182.6
 115 59.1 46.2 69.2



#5
 2-Fluorophenol
 Concen: 108.220 ng
 RT: 5.528 min Scan# 585
 Delta R.T. 0.000 min
 Lab File: BF138160.D
 Acq: 07 Jun 2024 15:05

Tgt Ion:112 Resp: 2205706
 Ion Ratio Lower Upper
 112 100
 64 56.8 44.0 66.0
 63 29.0 22.1 33.1





#7
Phenol-d6
Concen: 109.453 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

Instrument :

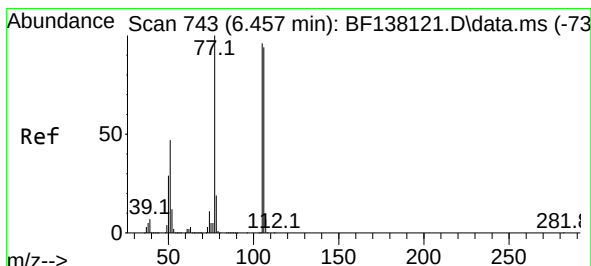
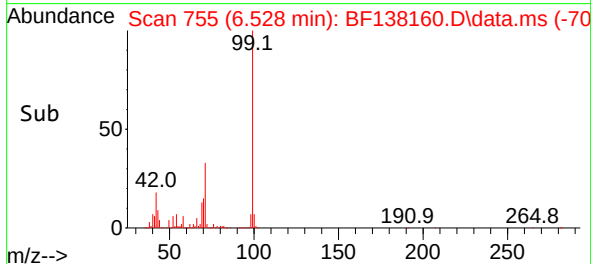
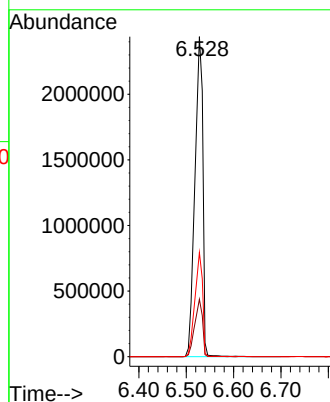
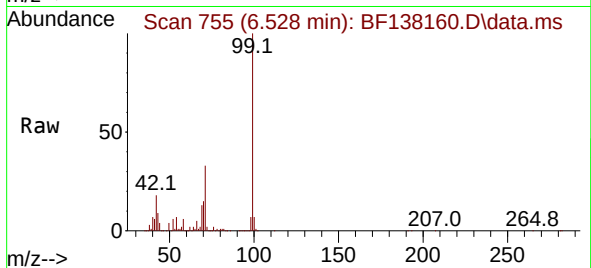
BNA_F

ClientSampleId :

WCS-TPO

Tgt Ion: 99 Resp: 2822526

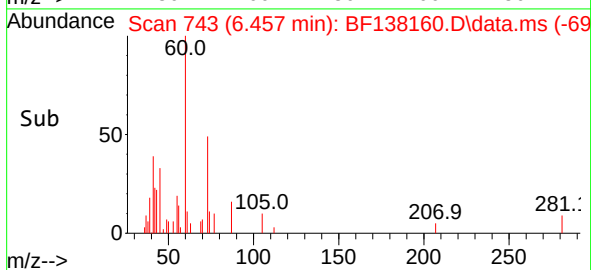
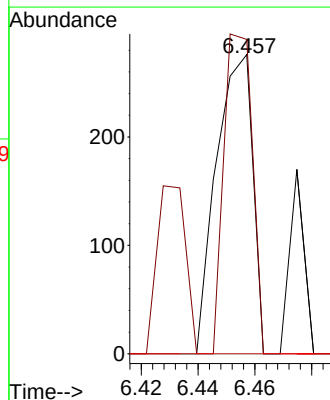
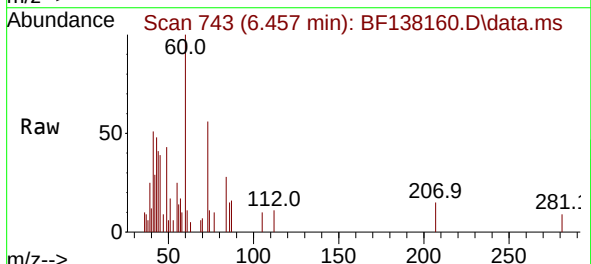
Ion	Ratio	Lower	Upper
99	100		
42	17.9	14.4	21.6
71	32.6	25.5	38.3

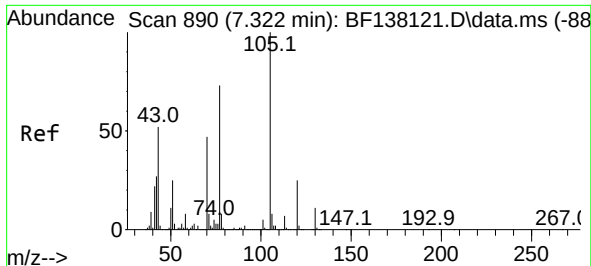


#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

Tgt Ion: 77 Resp: 245

Ion	Ratio	Lower	Upper
77	100		
105	105.1	75.8	115.8
106	0.0	73.9	113.9

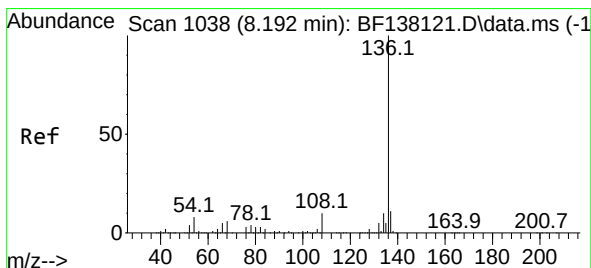
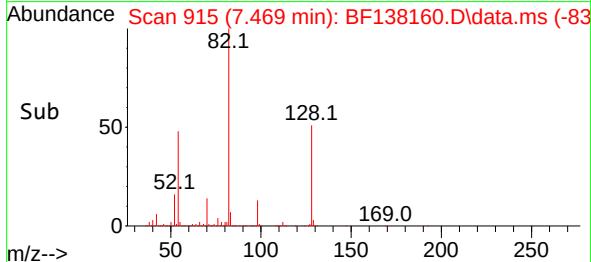
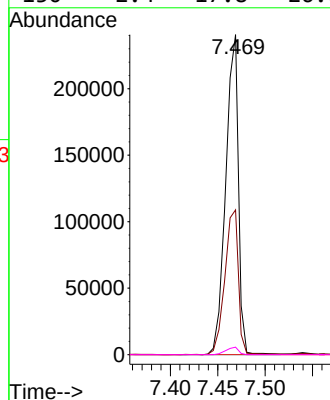
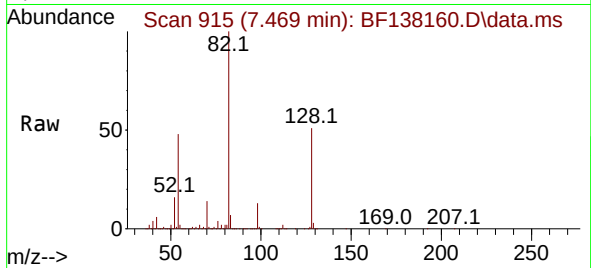




#19
n-Nitroso-di-n-propylamine
Concen: 13.684 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.147 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

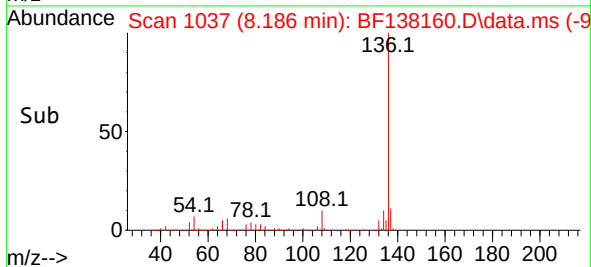
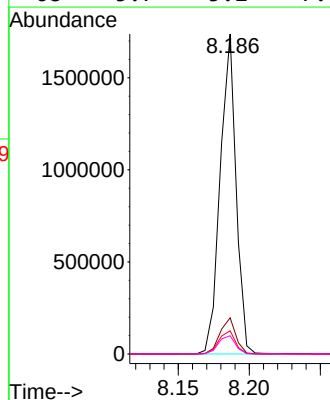
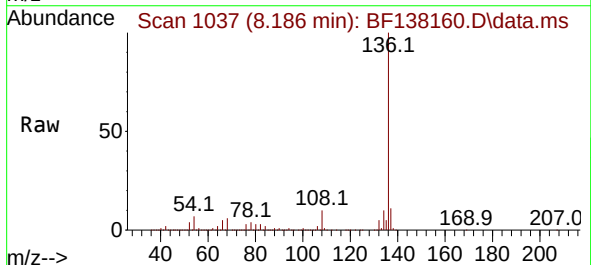
Instrument :
BNA_F
ClientSampleId :
WCS-TPO

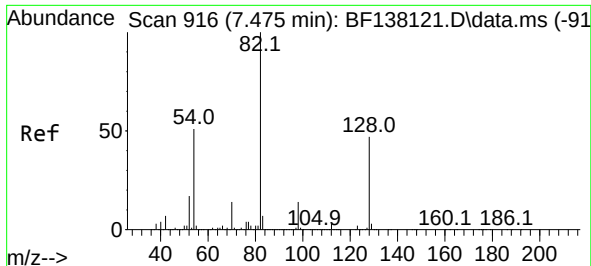
Tgt Ion: 70 Resp: 225002
Ion Ratio Lower Upper
70 100
42 45.2 46.3 69.5#
101 0.0 7.7 11.5#
130 2.4 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

Tgt Ion: 136 Resp: 1348688
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.2 6.2 9.2
68 5.7 5.2 7.8





#23

Nitrobenzene-d5

Concen: 84.094 ng

RT: 7.469 min Scan# 915

Delta R.T. -0.006 min

Lab File: BF138160.D

Acq: 07 Jun 2024 15:05

Instrument :

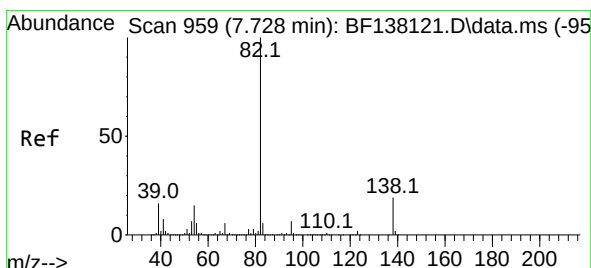
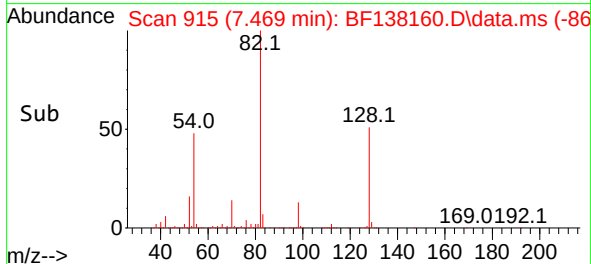
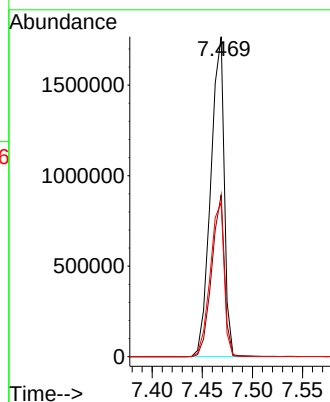
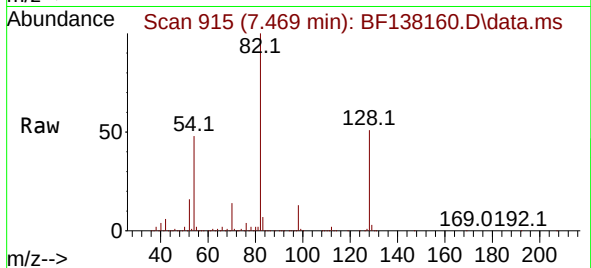
BNA_F

ClientSampleId :

WCS-TPO

Tgt Ion: 82 Resp: 1666979

Ion	Ratio	Lower	Upper
82	100		
128	50.5	37.7	56.5
54	48.2	40.8	61.2



#25

Isophorone

Concen: 38.171 ng

RT: 7.469 min Scan# 915

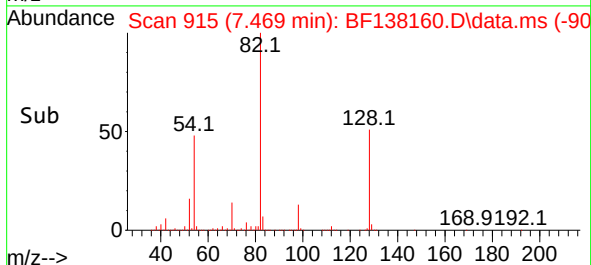
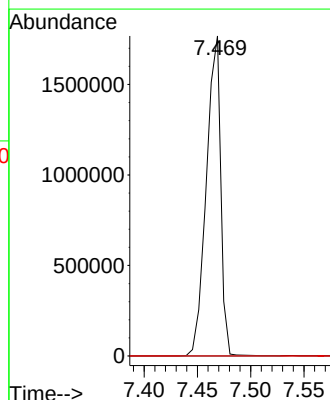
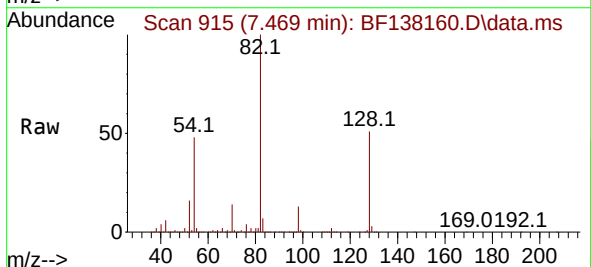
Delta R.T. -0.259 min

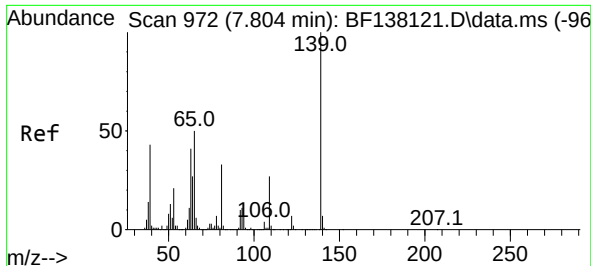
Lab File: BF138160.D

Acq: 07 Jun 2024 15:05

Tgt Ion: 82 Resp: 1666962

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	15.5	23.3#

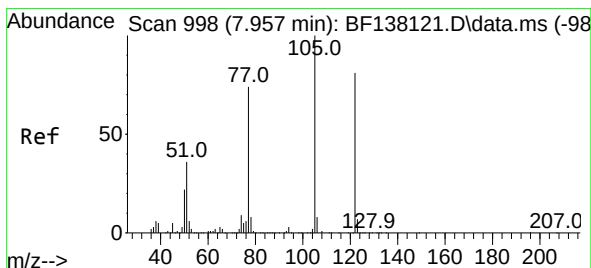
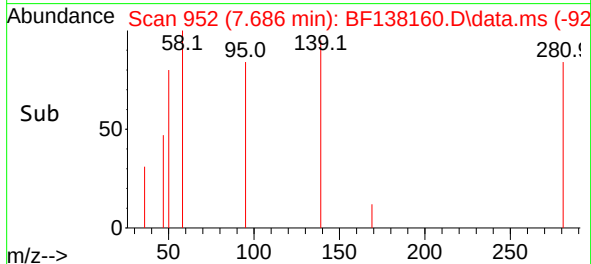
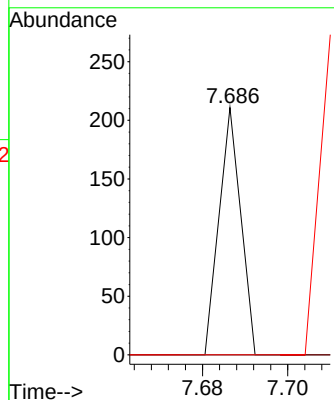
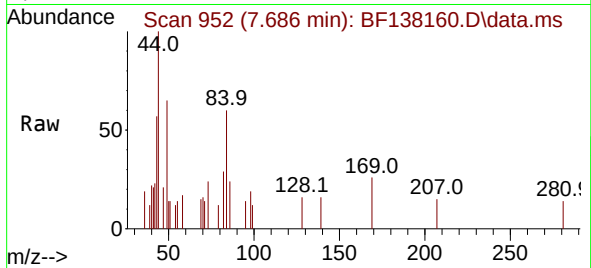




#26
2-Nitrophenol
Concen: 5.059 ng
RT: 7.686 min Scan# 91
Delta R.T. -0.118 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

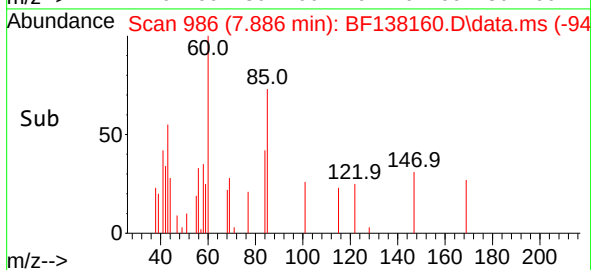
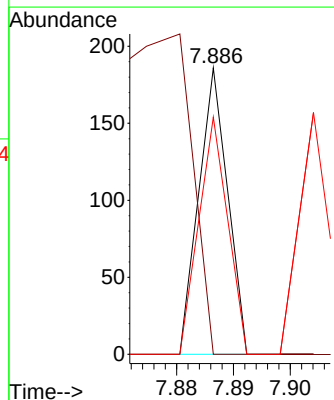
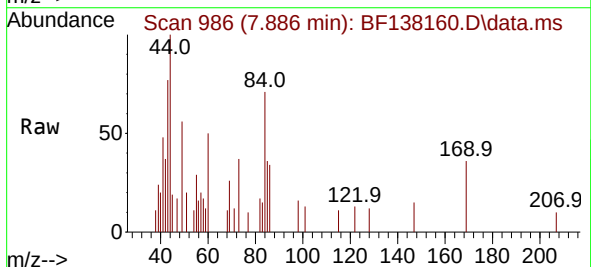
Instrument :
BNA_F
ClientSampleId :
WCS-TPO

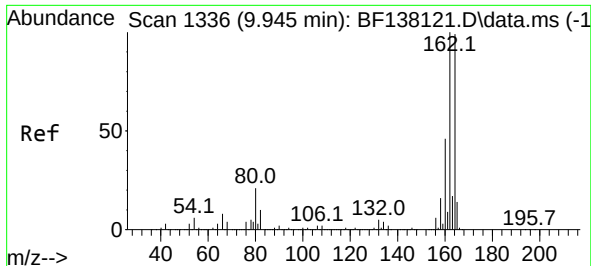
Tgt Ion:139 Resp: 74
Ion Ratio Lower Upper
139 100
109 0.0 21.8 32.6#
65 0.0 40.1 60.1#



#32
Benzoic acid
Concen: 7.940 ng
RT: 7.886 min Scan# 986
Delta R.T. -0.071 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

Tgt Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 0.0 102.8 142.8#
77 82.8 71.2 111.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138160.D

Acq: 07 Jun 2024 15:05

Instrument :

BNA_F

ClientSampleId :

WCS-TPO

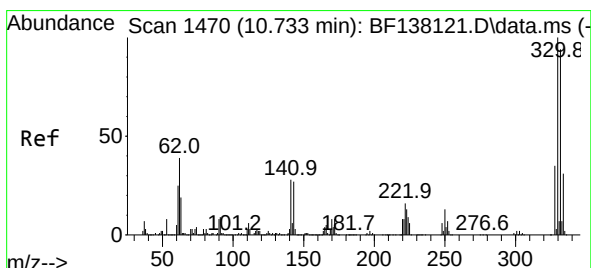
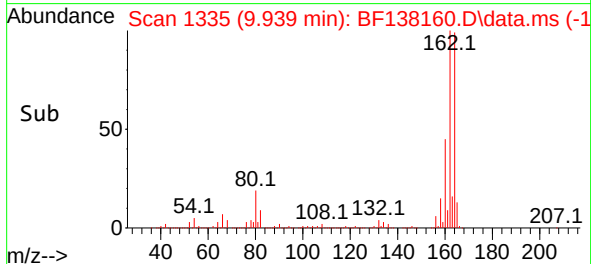
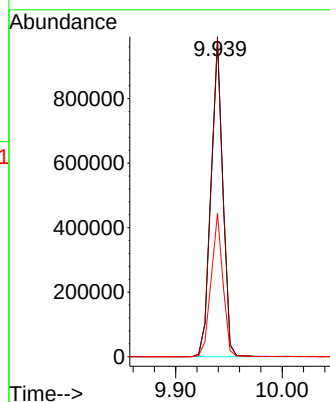
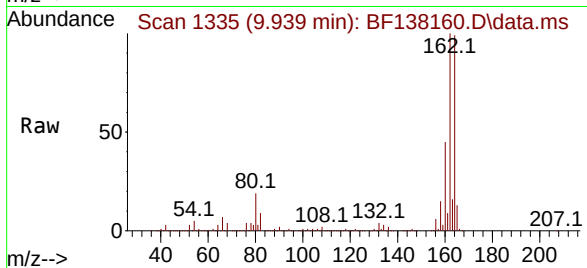
Tgt Ion:164 Resp: 759593

Ion Ratio Lower Upper

164 100

162 101.5 80.9 121.3

160 45.5 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 116.041 ng

RT: 10.727 min Scan# 1469

Delta R.T. -0.006 min

Lab File: BF138160.D

Acq: 07 Jun 2024 15:05

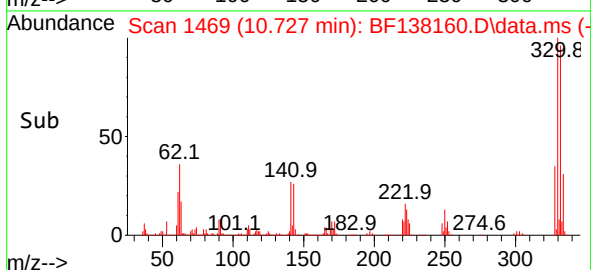
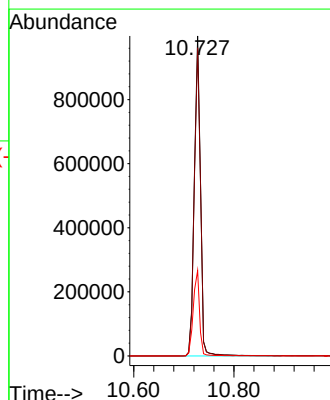
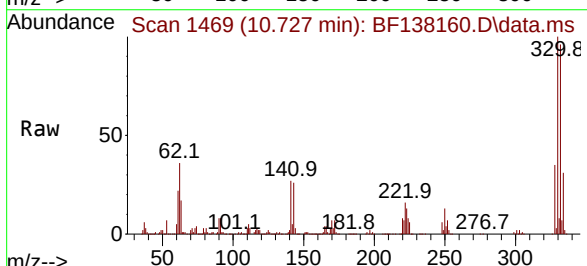
Tgt Ion:330 Resp: 848273

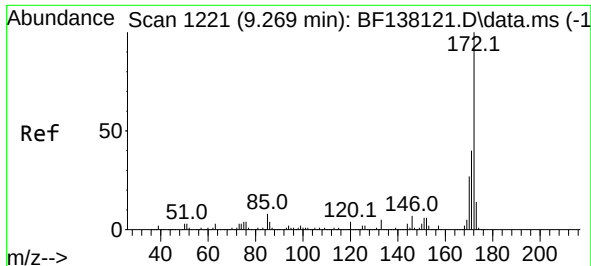
Ion Ratio Lower Upper

330 100

332 97.3 75.8 113.8

141 27.5 23.2 34.8

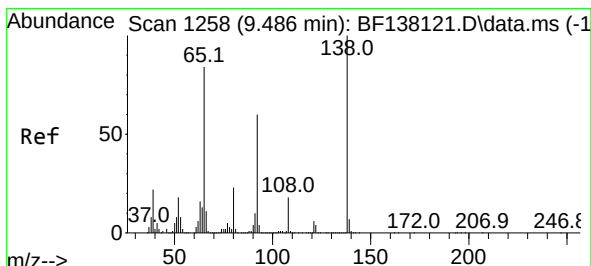
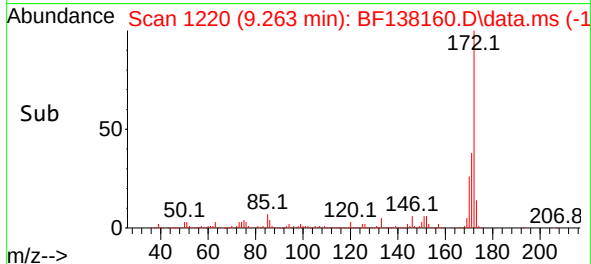
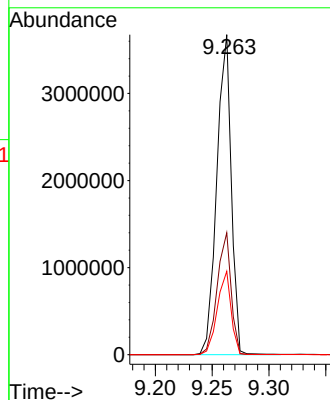
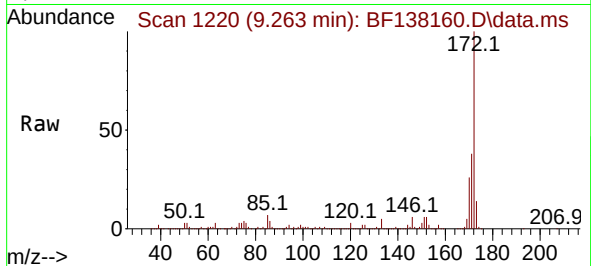




#45
2-Fluorobiphenyl
Concen: 75.024 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

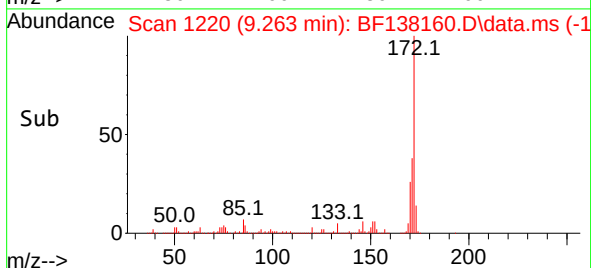
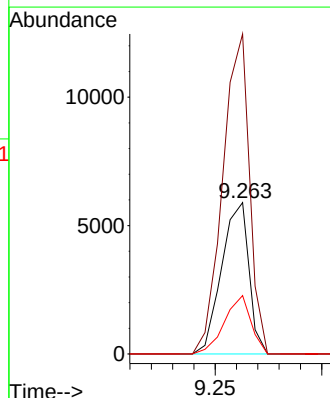
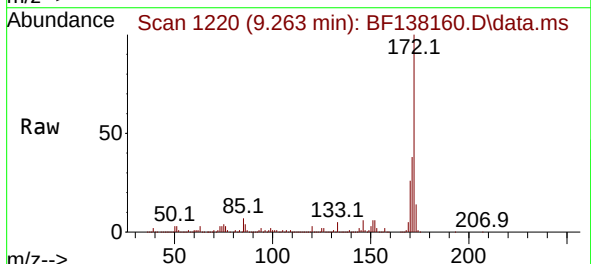
Instrument :
BNA_F
ClientSampleId :
WCS-TPO

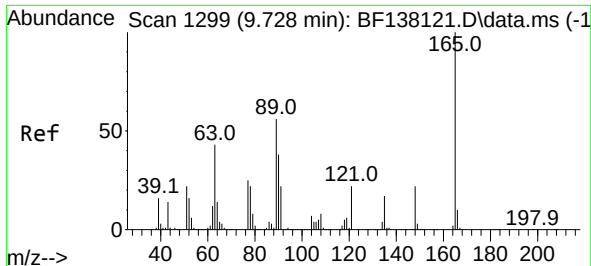
Tgt Ion:172 Resp: 3259177
Ion Ratio Lower Upper
172 100
171 38.1 31.6 47.4
170 26.0 21.4 32.2



#48
2-Nitroaniline
Concen: 5.244 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.223 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

Tgt Ion: 65 Resp: 5252
Ion Ratio Lower Upper
65 100
92 211.3 57.3 85.9#
138 38.6 95.4 143.2#

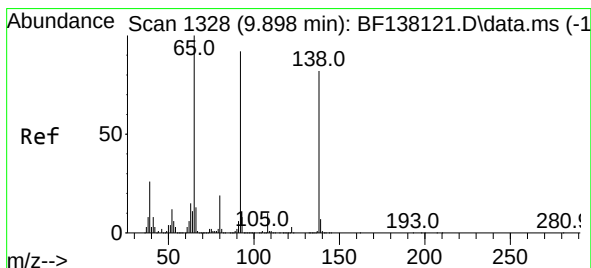
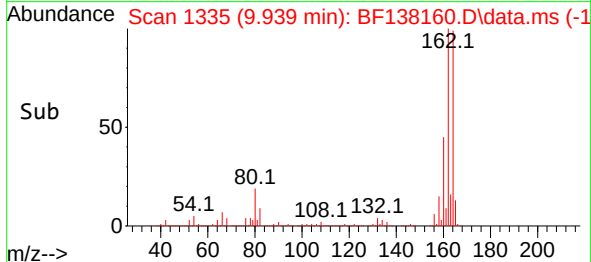
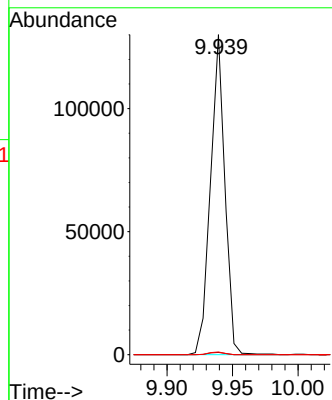
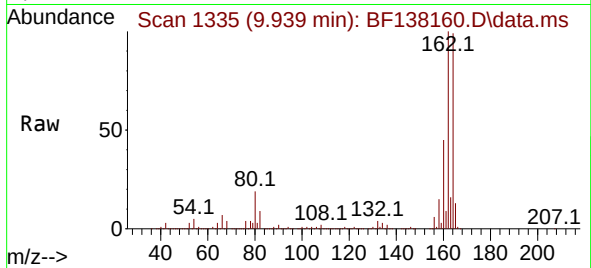




#51
2,6-Dinitrotoluene
Concen: 12.349 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.211 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

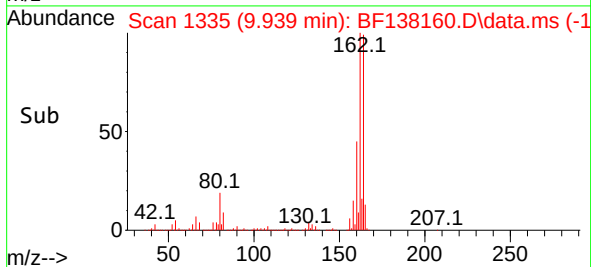
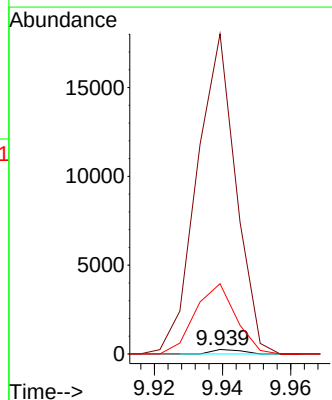
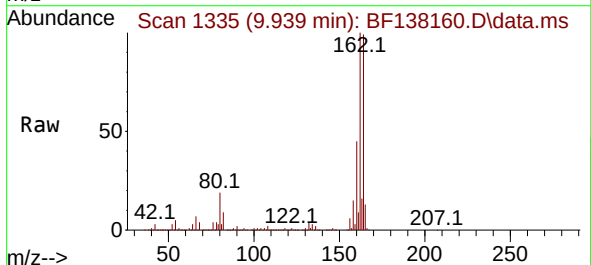
Instrument :
BNA_F
ClientSampleId :
WCS-TPO

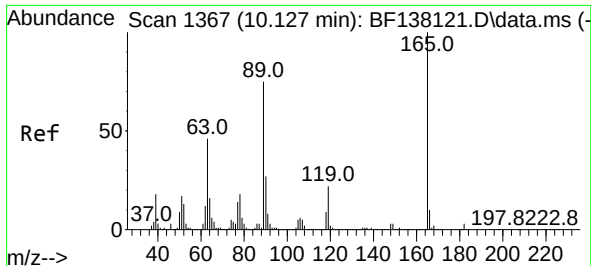
Tgt Ion:165 Resp: 99747
Ion Ratio Lower Upper
165 100
63 0.7 42.9 64.3#
89 0.9 45.0 67.4#



#53
3-Nitroaniline
Concen: 2.958 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.041 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

Tgt Ion:138 Resp: 154
Ion Ratio Lower Upper
138 100
108 7065.1 10.3 15.5#
92 1551.8 89.5 134.3#

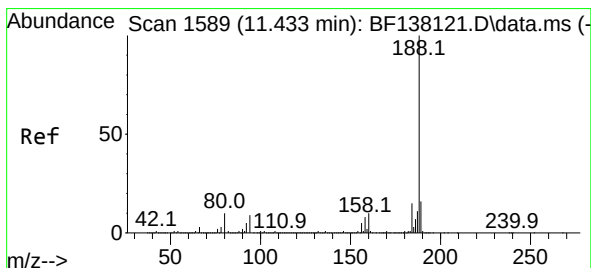
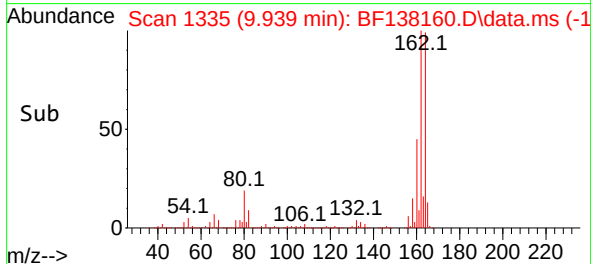
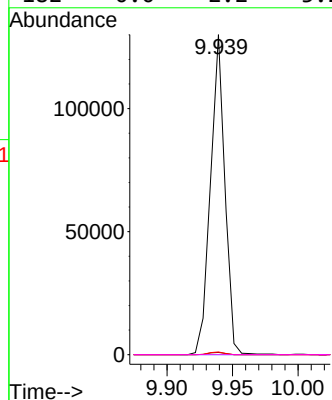
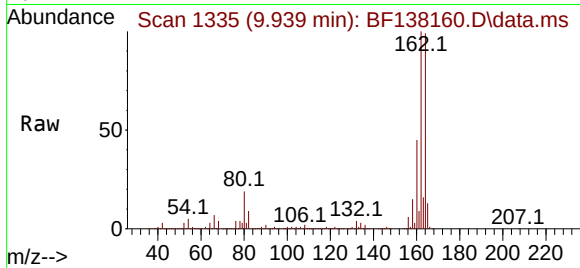




#57
2,4-Dinitrotoluene
Concen: 11.236 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

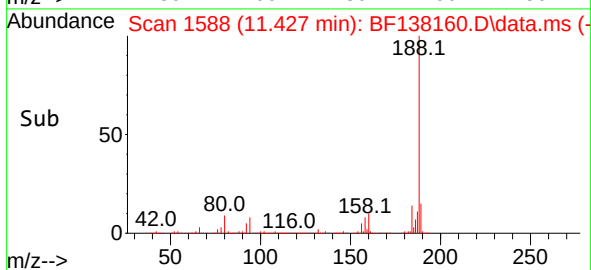
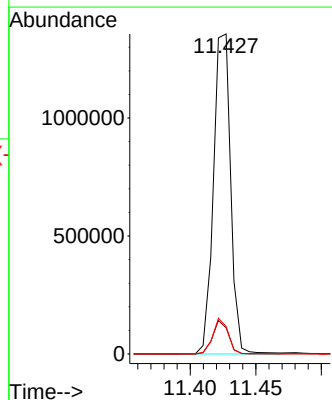
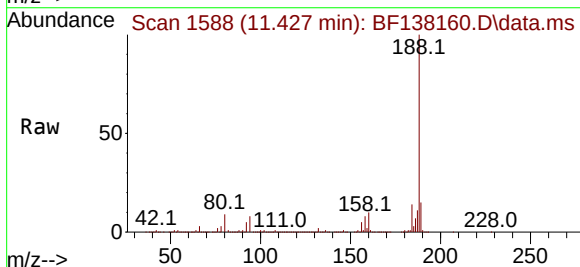
Instrument :
BNA_F
ClientSampleId :
WCS-TPO

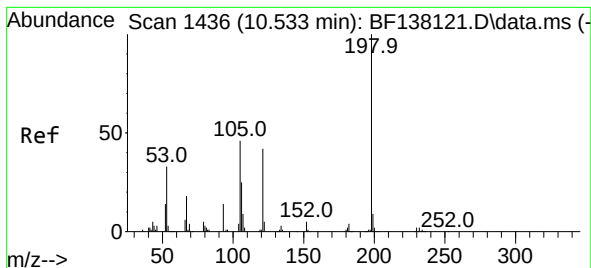
Tgt Ion:165 Resp: 99747
Ion Ratio Lower Upper
165 100
63 0.7 36.8 55.2#
89 0.9 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

Tgt Ion:188 Resp: 1237607
Ion Ratio Lower Upper
188 100
94 8.1 7.4 11.2
80 8.6 7.7 11.5

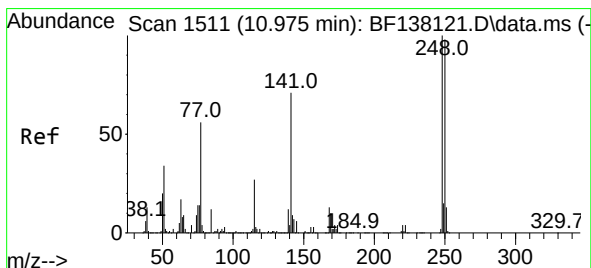
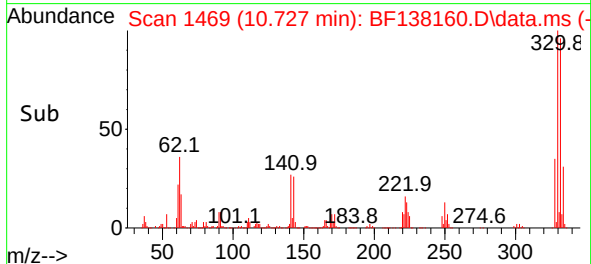
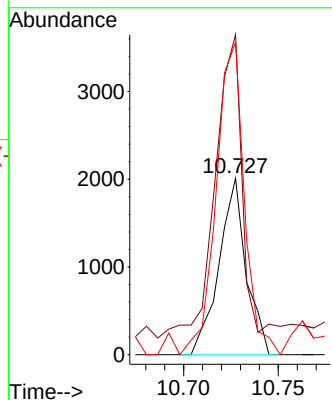
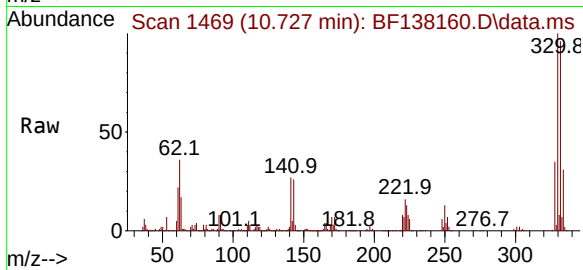




#65
4,6-Dinitro-2-methylphenol
Concen: 8.837 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.194 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

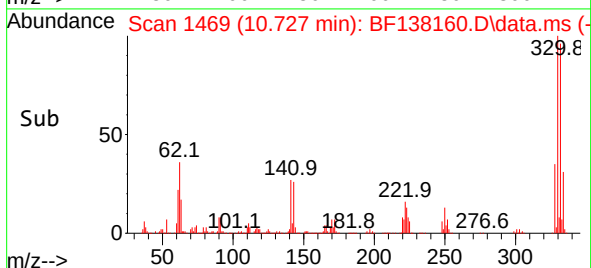
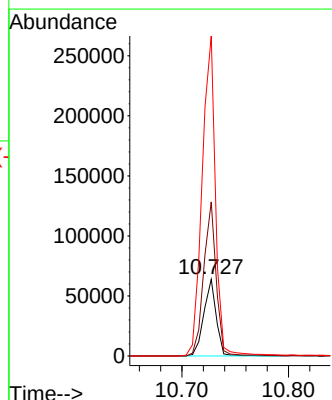
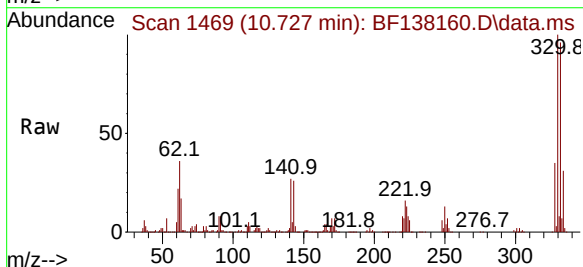
Instrument :
BNA_F
ClientSampleId :
WCS-TPO

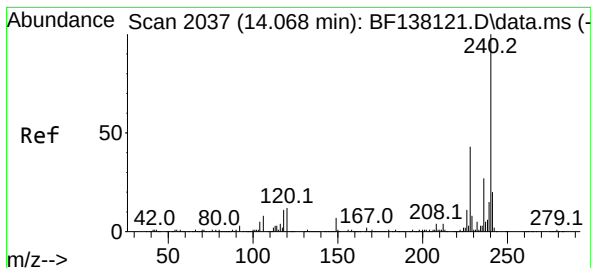
Tgt Ion:198 Resp: 2009
Ion Ratio Lower Upper
198 100
51 181.3 28.2 68.2#
105 177.0 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 3.707 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

Tgt Ion:248 Resp: 52241
Ion Ratio Lower Upper
248 100
250 201.1 78.7 118.1#
141 417.4 56.5 84.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.005 min

Lab File: BF138160.D

Acq: 07 Jun 2024 15:05

Instrument :

BNA_F

ClientSampleId :

WCS-TPO

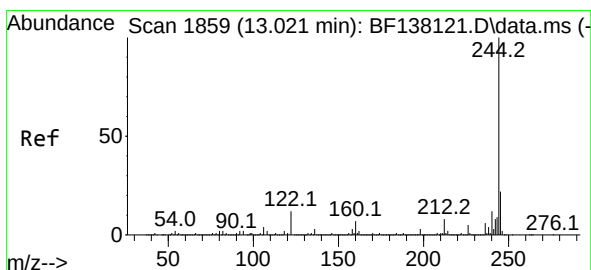
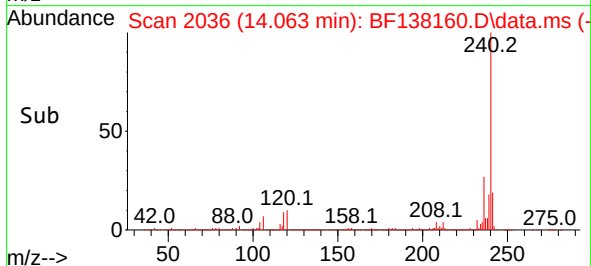
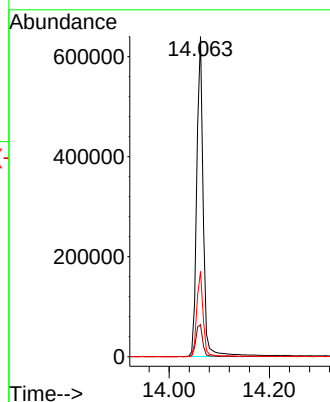
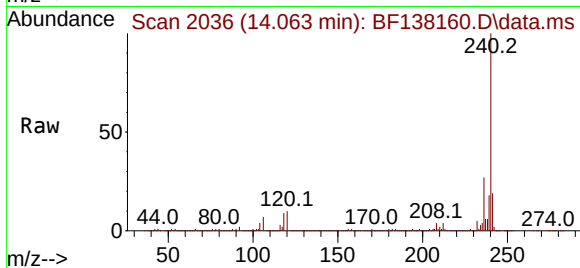
Tgt Ion:240 Resp: 578546

Ion Ratio Lower Upper

240 100

120 10.0 9.8 14.8

236 26.6 21.2 31.8



#79

Terphenyl-d14

Concen: 76.179 ng

RT: 13.016 min Scan# 1858

Delta R.T. -0.006 min

Lab File: BF138160.D

Acq: 07 Jun 2024 15:05

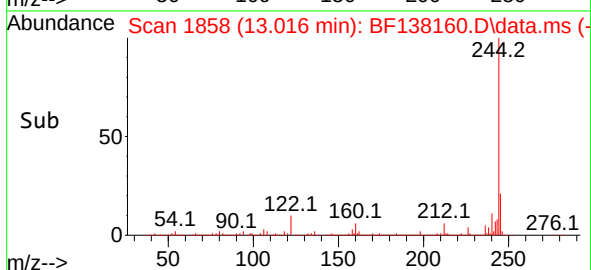
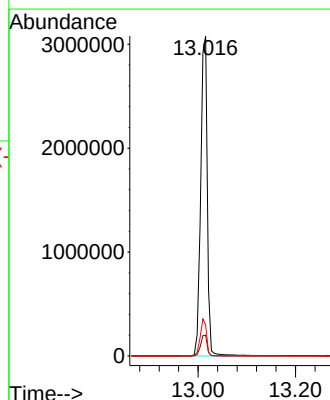
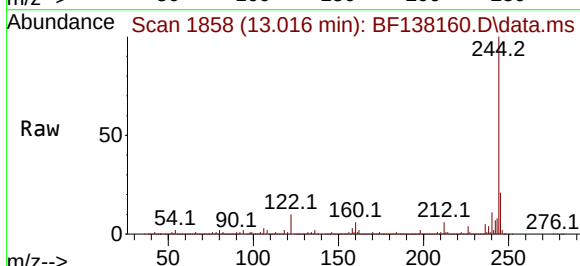
Tgt Ion:244 Resp: 2946570

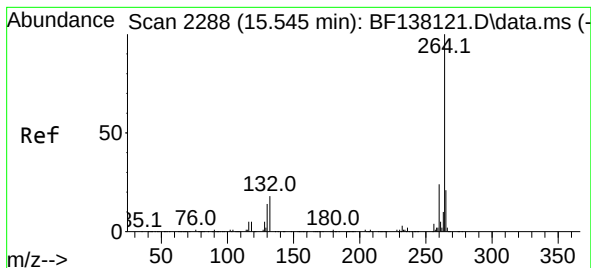
Ion Ratio Lower Upper

244 100

212 6.5 6.4 9.6

122 9.7 9.4 14.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138160.D

Acq: 07 Jun 2024 15:05

Instrument :

BNA_F

ClientSampleId :

WCS-TPO

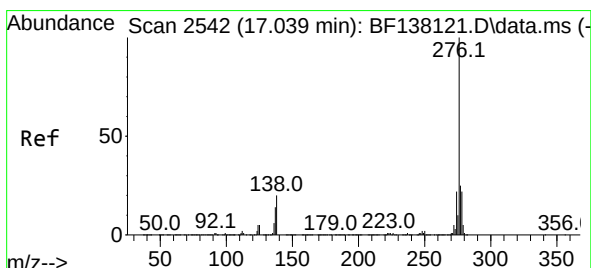
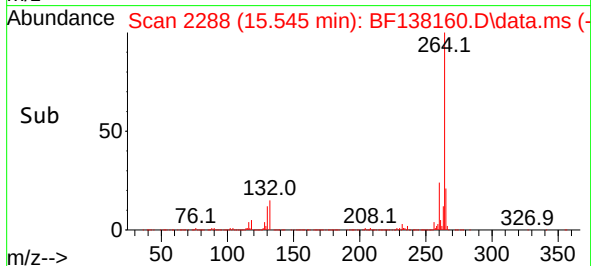
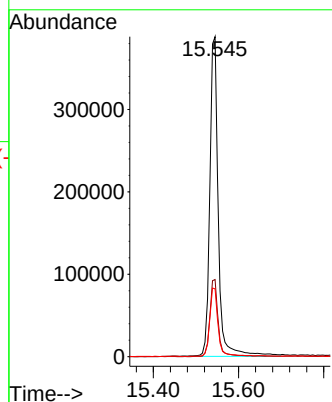
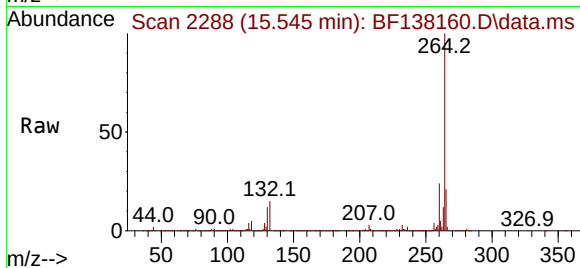
Tgt Ion:264 Resp: 536833

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 21.2 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.940 ng

RT: 16.998 min Scan# 2535

Delta R.T. -0.041 min

Lab File: BF138160.D

Acq: 07 Jun 2024 15:05

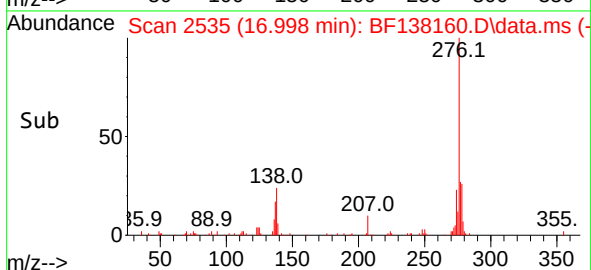
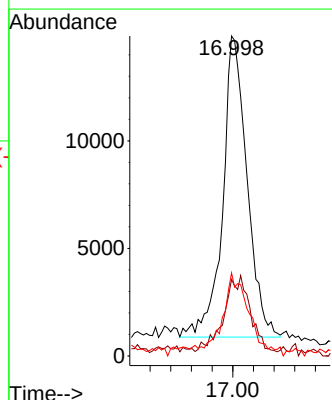
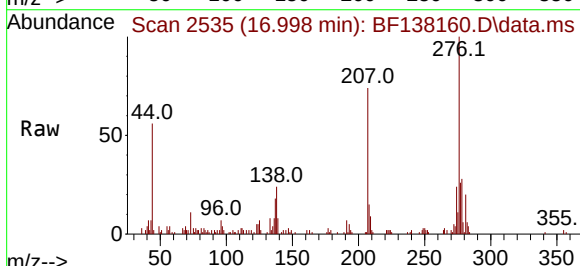
Tgt Ion:276 Resp: 45912

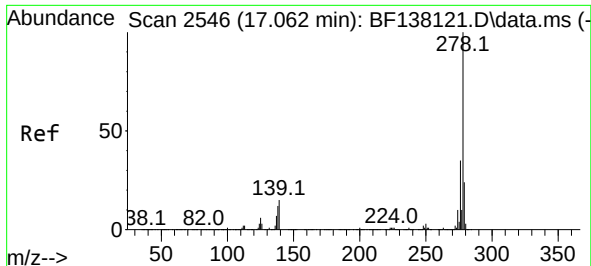
Ion Ratio Lower Upper

276 100

138 14.9 18.9 28.3#

277 29.6 20.3 30.5

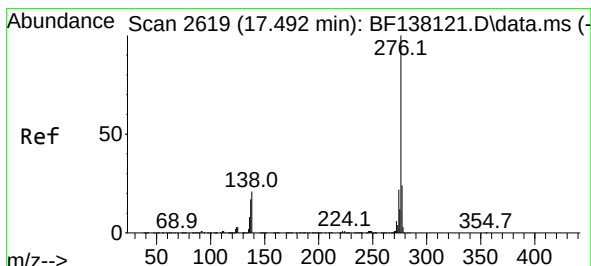
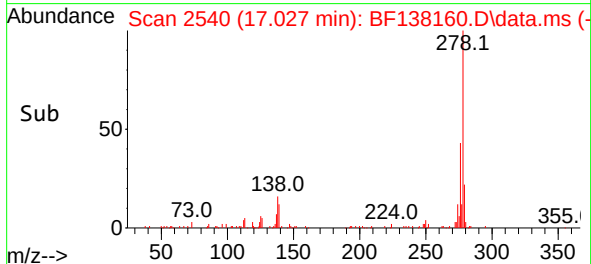
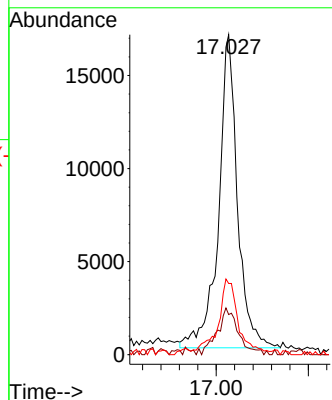
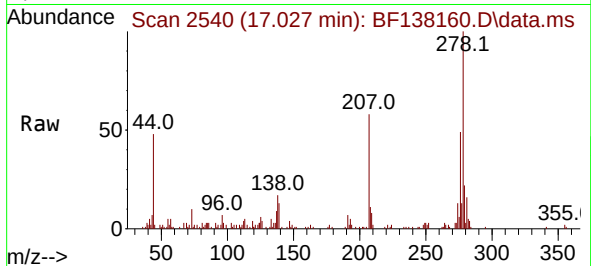




#91
Dibenzo(a,h)anthracene
Concen: 5.553 ng
RT: 17.027 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

Instrument :
BNA_F
ClientSampleId :
WCS-TPO

Tgt Ion:278 Resp: 48023
Ion Ratio Lower Upper
278 100
139 12.6 11.7 17.5
279 22.2 19.2 28.8



#92
Benzo(g,h,i)perylene
Concen: 3.904 ng
RT: 17.445 min Scan# 2611
Delta R.T. -0.047 min
Lab File: BF138160.D
Acq: 07 Jun 2024 15:05

Tgt Ion:276 Resp: 23802
Ion Ratio Lower Upper
276 100
277 20.4 19.0 28.4
138 21.6 16.5 24.7

