

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061024\
 Data File : BF138176.D
 Acq On : 10 Jun 2024 17:09
 Operator : CG\JU
 Sample : P2784-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPD

Quant Time: Jun 10 17:34:19 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)

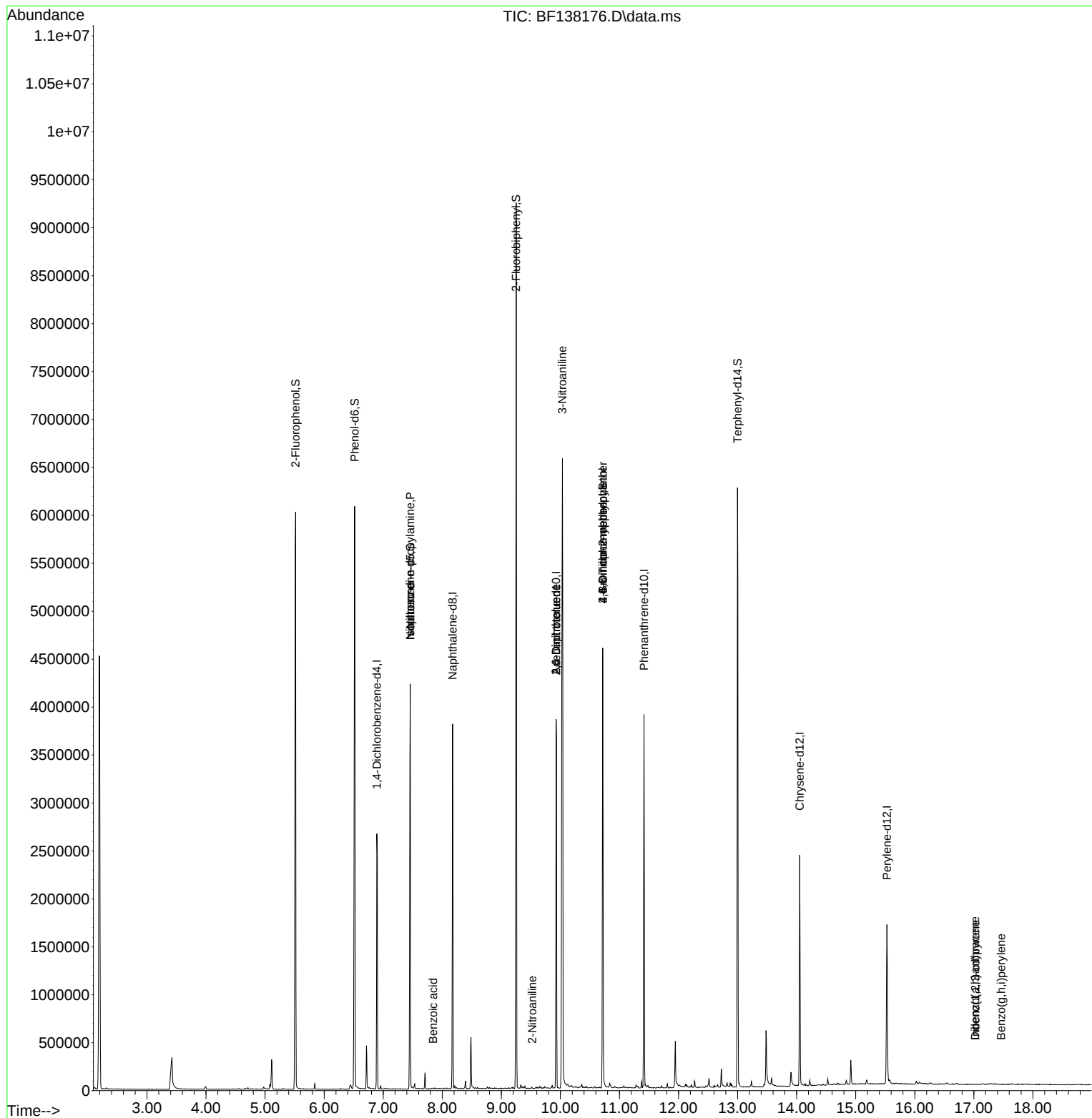
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	389268	20.000	ng	-0.02
21) Naphthalene-d8	8.175	136	1483896	20.000	ng	-0.02
39) Acenaphthene-d10	9.928	164	798736	20.000	ng	-0.02
64) Phenanthrene-d10	11.416	188	1256992	20.000	ng	-0.02
76) Chrysene-d12	14.051	240	724540	20.000	ng	-0.02
86) Perylene-d12	15.527	264	757703	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1784647	78.133	ng	-0.01
7) Phenol-d6	6.516	99	2287606	79.158	ng	-0.02
23) Nitrobenzene-d5	7.457	82	1259703	57.758	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	513856	66.849	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	2542471	55.658	ng	-0.02
79) Terphenyl-d14	12.998	244	2123446	43.836	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.451	77	458	Below Cal	#	27
19) n-Nitroso-di-n-propyla...	7.457	70	164333	8.918	ng	# 78
25) Isophorone	7.457	82	1259688	26.217	ng	# 63
32) Benzoic acid	7.845	122	1252	8.042	ng	# 90
48) 2-Nitroaniline	9.522	65	252	4.817	ng	# 1
51) 2,6-Dinitrotoluene	9.928	165	105696	12.418	ng	# 25
53) 3-Nitroaniline	10.033	138	56264	7.788	ng	# 6
57) 2,4-Dinitrotoluene	9.928	165	105698	11.293	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.716	198	1261	8.664	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	32054	2.240	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.027	276	59	3.484	ng	# 1
91) Dibenzo(a,h)anthracene	17.021	278	136	3.659	ng	# 56
92) Benzo(g,h,i)perylene	17.462	276	98	2.987	ng	# 10

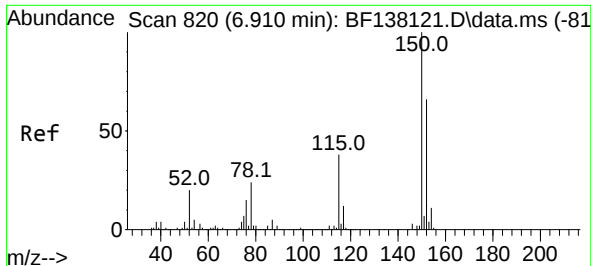
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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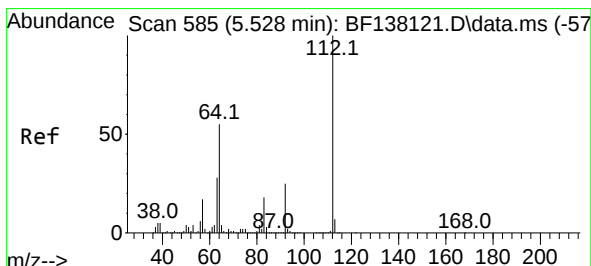
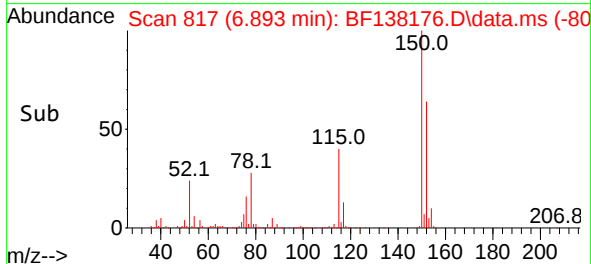
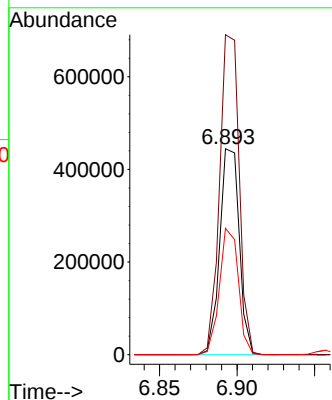
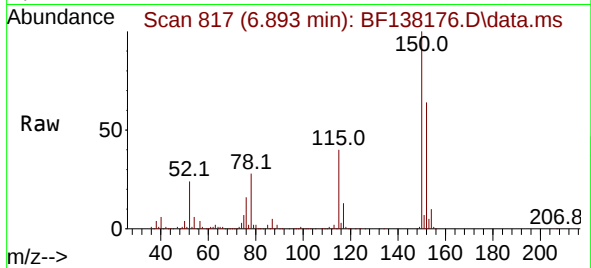




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 81
 Delta R.T. -0.018 min
 Lab File: BF138176.D
 Acq: 10 Jun 2024 17:09

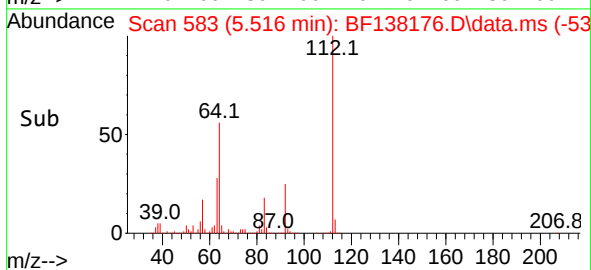
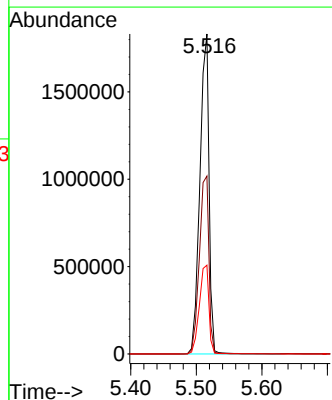
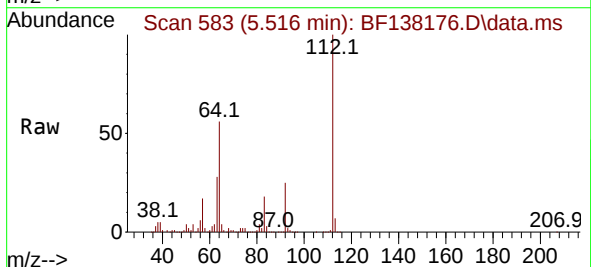
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPD

Tgt Ion:152 Resp: 389268
 Ion Ratio Lower Upper
 152 100
 150 155.4 121.8 182.6
 115 61.4 46.2 69.2



#5
 2-Fluorophenol
 Concen: 78.133 ng
 RT: 5.516 min Scan# 583
 Delta R.T. -0.012 min
 Lab File: BF138176.D
 Acq: 10 Jun 2024 17:09

Tgt Ion:112 Resp: 1784647
 Ion Ratio Lower Upper
 112 100
 64 55.6 44.0 66.0
 63 27.8 22.1 33.1



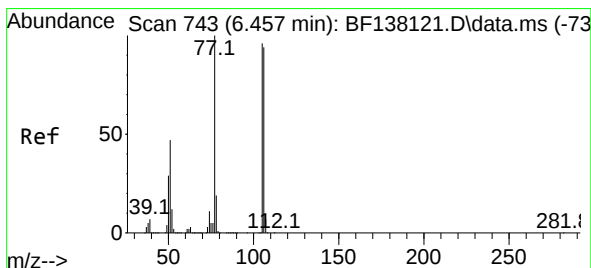
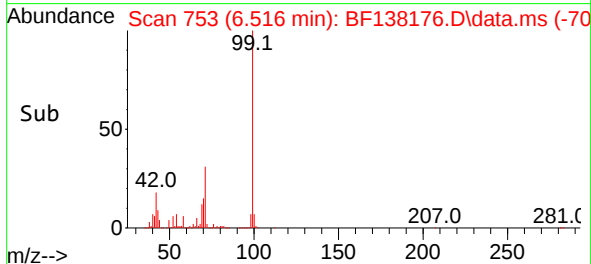
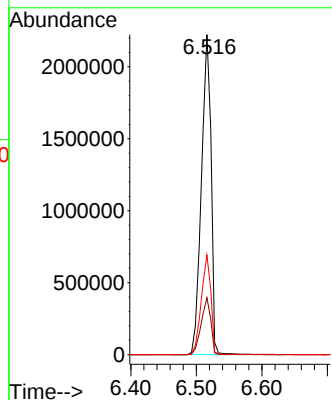
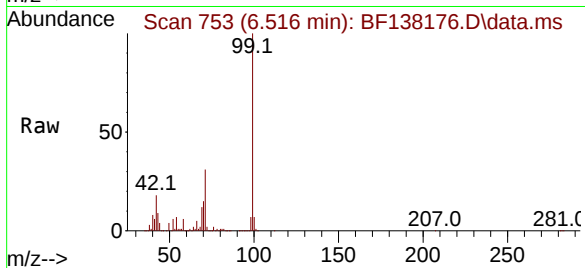


#7
Phenol-d6
Concen: 79.158 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

Instrument :
BNA_F
ClientSampleId :
WCS-TPD

Tgt Ion: 99 Resp: 2287606

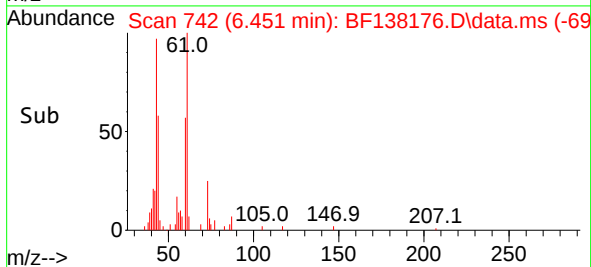
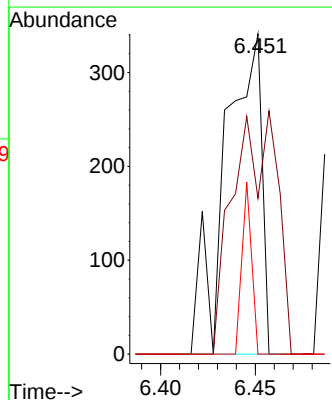
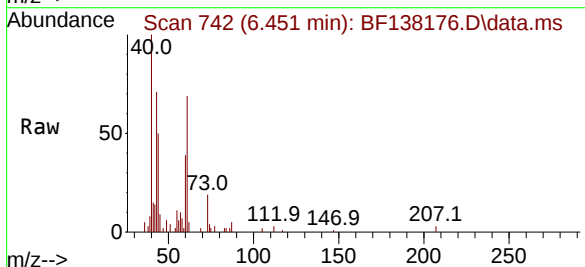
Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.4	21.6
71	31.1	25.5	38.3

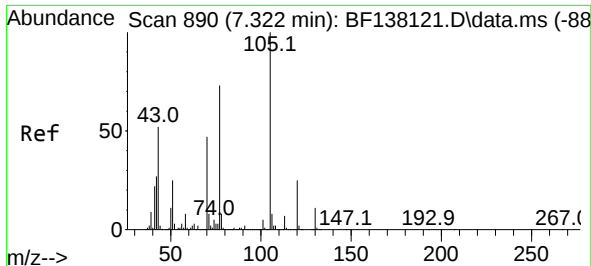


#9
Benzaldehyde
Concen: Below Cal
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

Tgt Ion: 77 Resp: 458

Ion	Ratio	Lower	Upper
77	100		
105	48.7	75.8	115.8#
106	0.0	73.9	113.9#

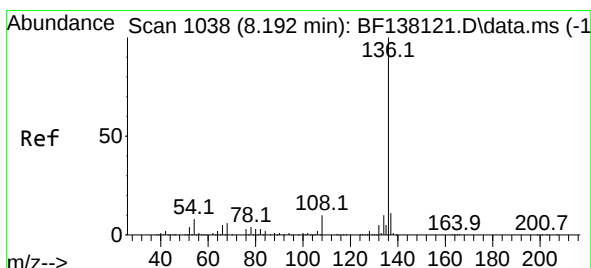
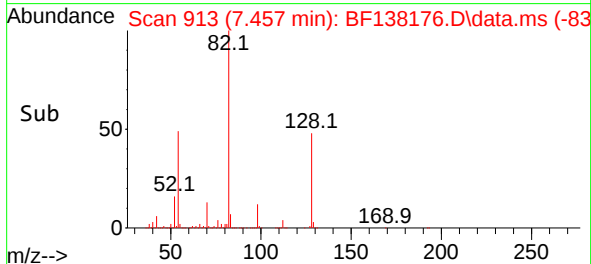
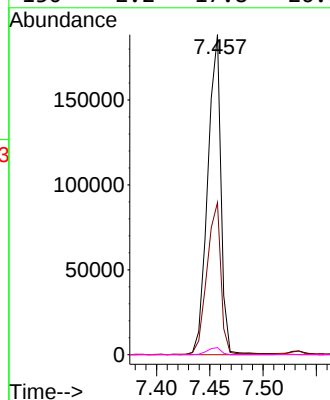
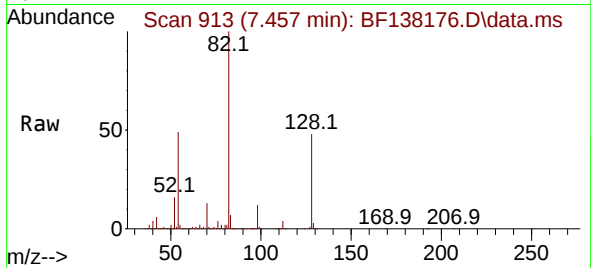




#19
n-Nitroso-di-n-propylamine
Concen: 8.918 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.135 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

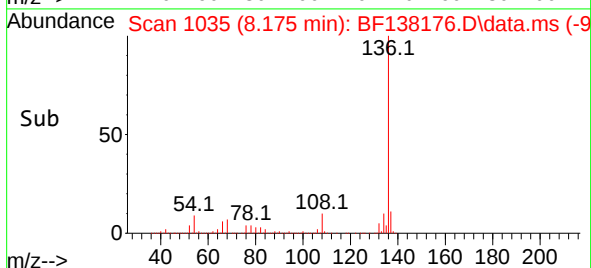
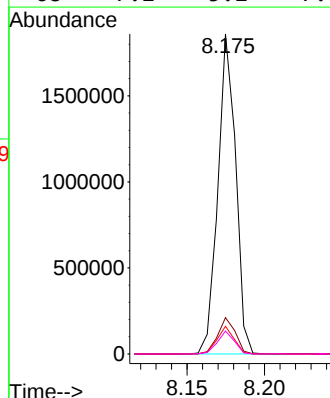
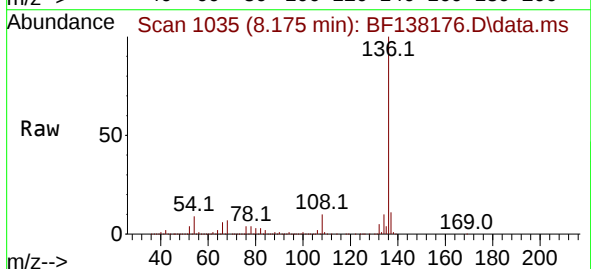
Instrument :
BNA_F
ClientSampleId :
WCS-TPD

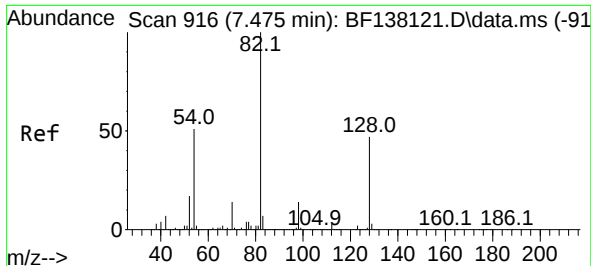
Tgt Ion: 70 Resp: 164333
Ion Ratio Lower Upper
70 100
42 47.5 46.3 69.5
101 0.0 7.7 11.5#
130 2.2 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.018 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

Tgt Ion: 136 Resp: 1483896
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 8.7 6.2 9.2
68 7.2 5.2 7.8

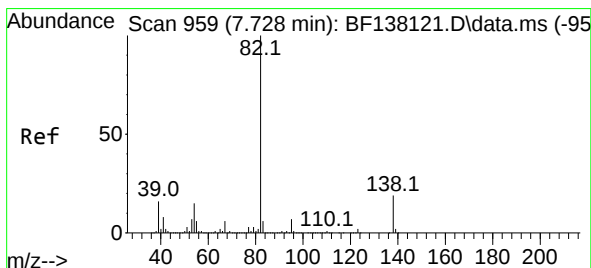
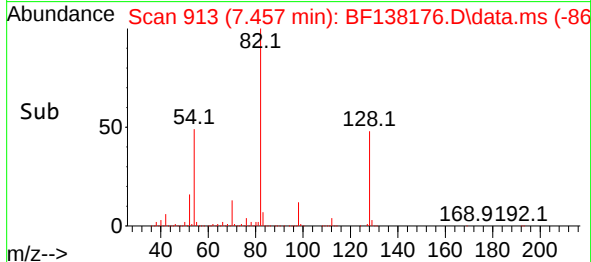
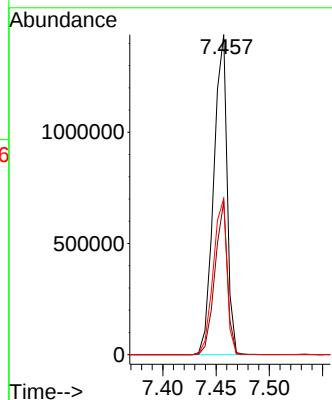
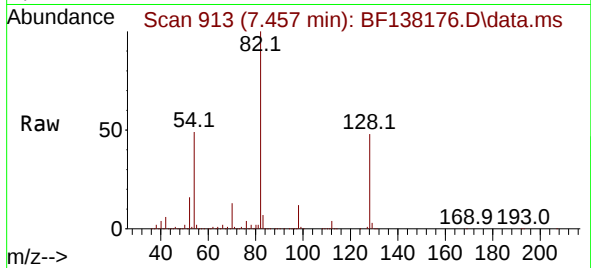




#23
Nitrobenzene-d5
Concen: 57.758 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.018 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

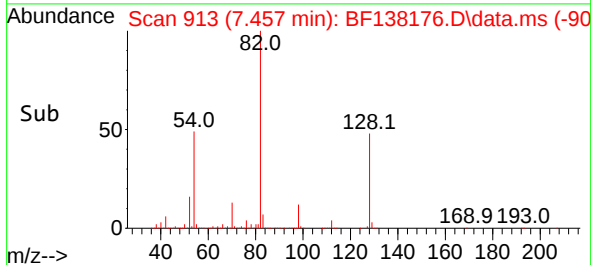
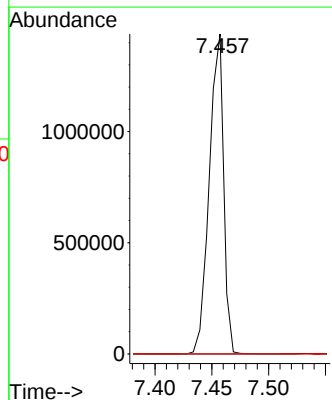
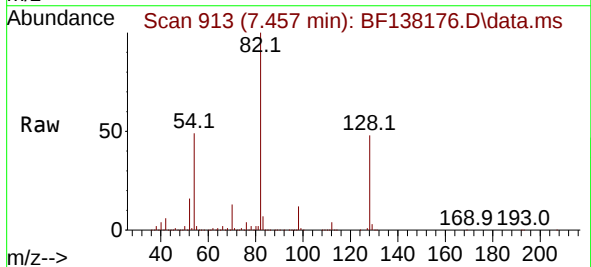
Instrument :
BNA_F
ClientSampleId :
WCS-TPD

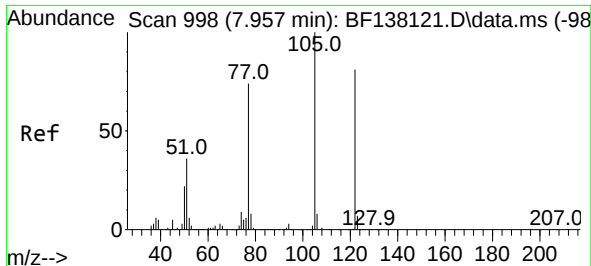
Tgt Ion: 82 Resp: 1259703
Ion Ratio Lower Upper
82 100
128 47.8 37.7 56.5
54 48.7 40.8 61.2



#25
Isophorone
Concen: 26.217 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.271 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

Tgt Ion: 82 Resp: 1259688
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.5 23.3#

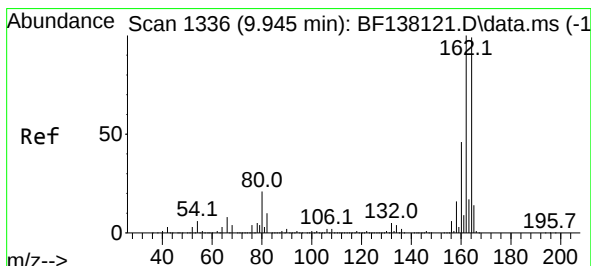
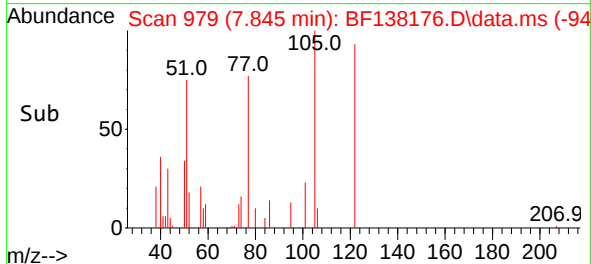
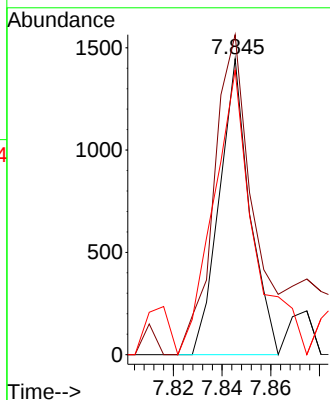
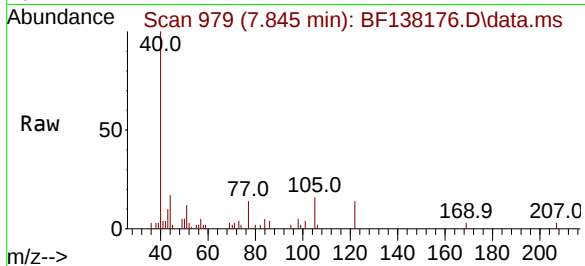




#32
Benzoic acid
Concen: 8.042 ng
RT: 7.845 min Scan# 91
Delta R.T. -0.112 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

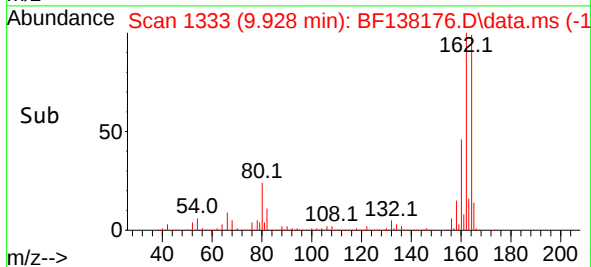
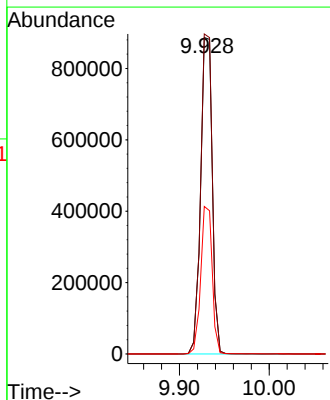
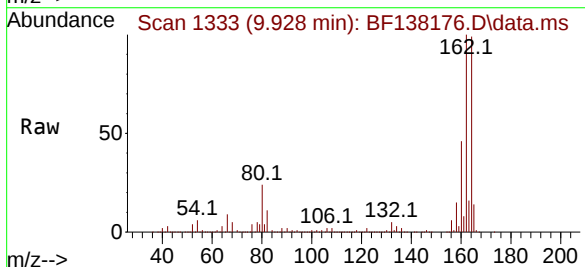
Instrument :
BNA_F
ClientSampleId :
WCS-TPD

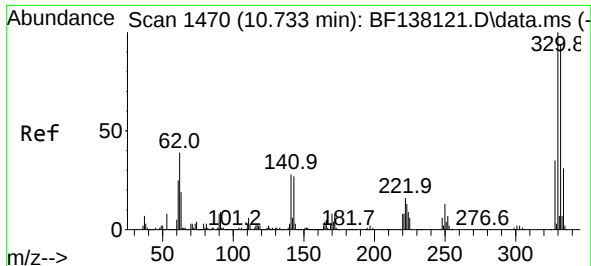
Tgt Ion:122	Resp:	1252
Ion	Ratio	Lower Upper
122	100	
105	108.1	102.8 142.8
77	96.1	71.2 111.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

Tgt Ion:164	Resp:	798736
Ion	Ratio	Lower Upper
164	100	
162	101.1	80.9 121.3
160	46.6	37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 66.849 ng

RT: 10.716 min Scan# 1467

Delta R.T. -0.017 min

Lab File: BF138176.D

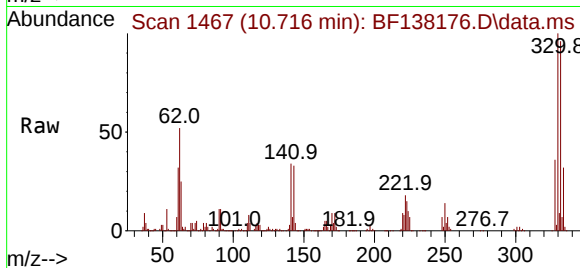
Acq: 10 Jun 2024 17:09

Instrument :

BNA_F

ClientSampleId :

WCS-TPD



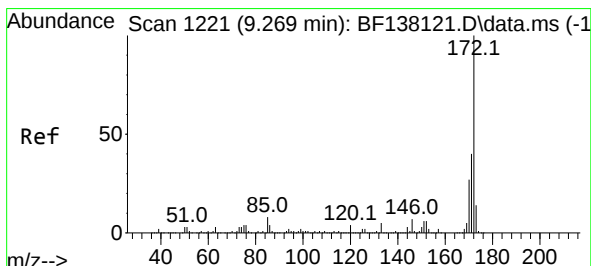
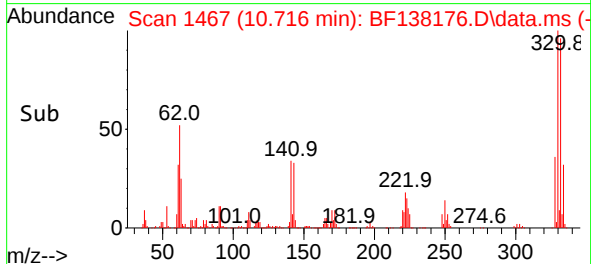
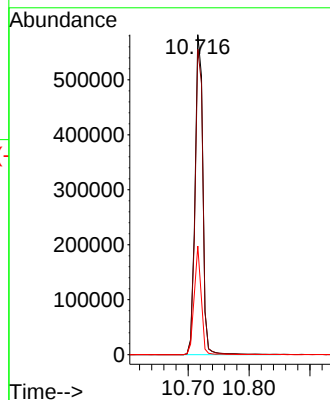
Tgt Ion:330 Resp: 513856

Ion Ratio Lower Upper

330 100

332 96.2 75.8 113.8

141 30.8 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 55.658 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.018 min

Lab File: BF138176.D

Acq: 10 Jun 2024 17:09

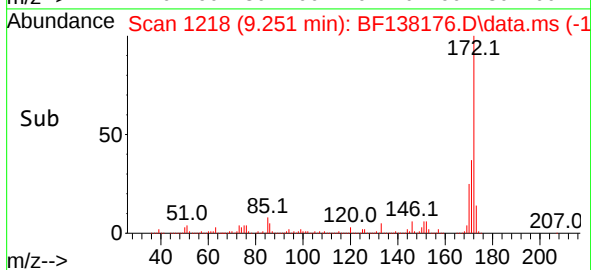
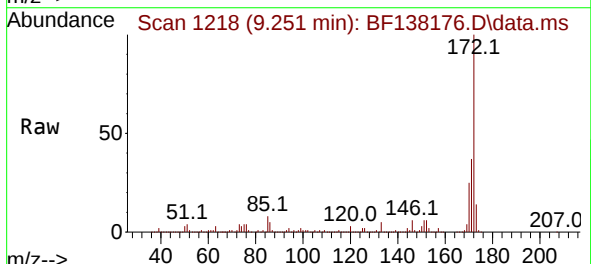
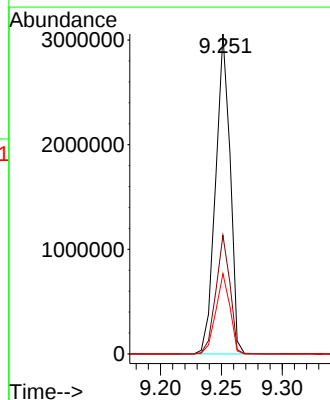
Tgt Ion:172 Resp: 2542471

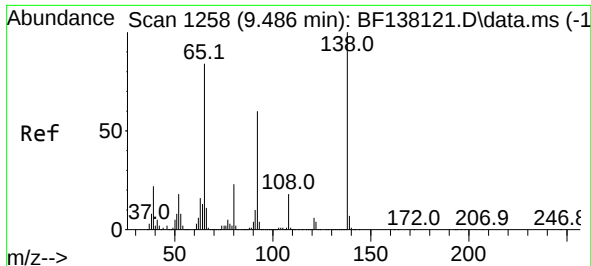
Ion Ratio Lower Upper

172 100

171 37.1 31.6 47.4

170 25.1 21.4 32.2

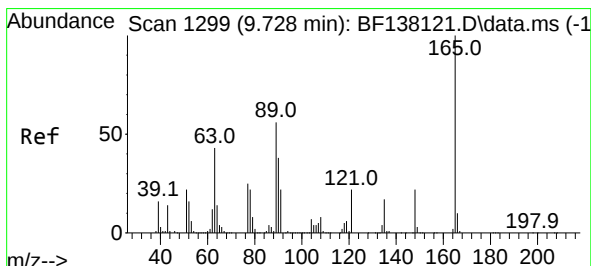
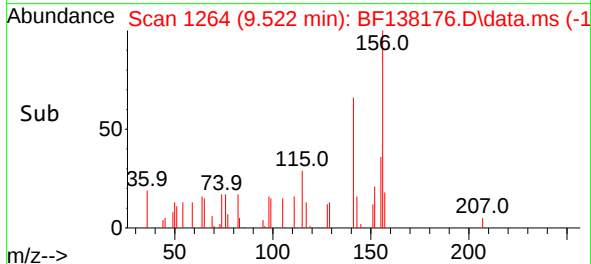
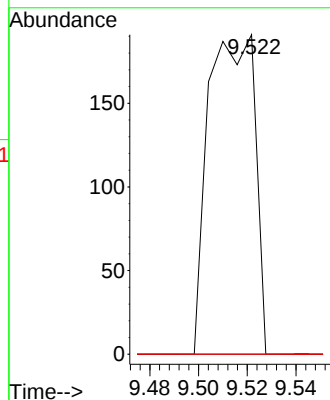
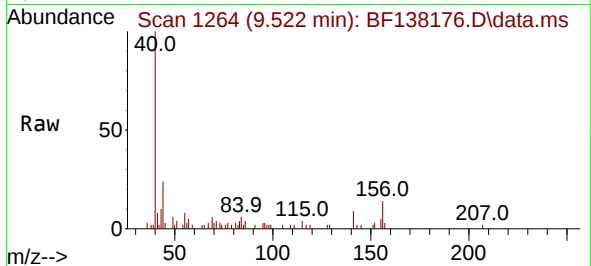




#48
2-Nitroaniline
Concen: 4.817 ng
RT: 9.522 min Scan# 11
Delta R.T. 0.036 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

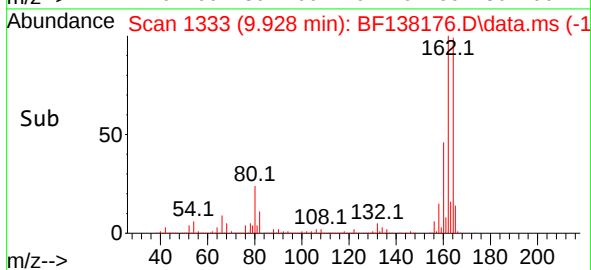
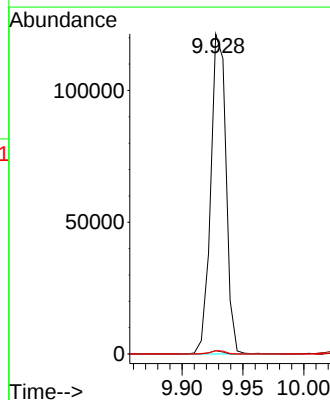
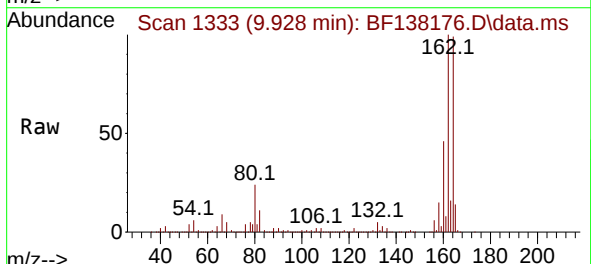
Instrument :
BNA_F
ClientSampleId :
WCS-TPD

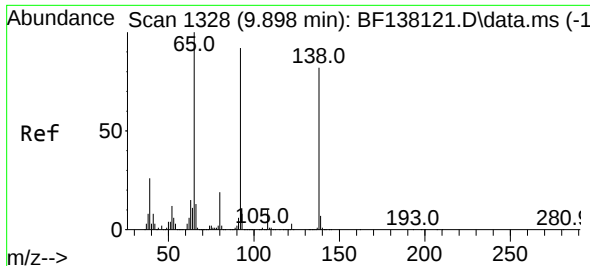
Tgt Ion: 65 Resp: 252
Ion Ratio Lower Upper
65 100
92 0.0 57.3 85.9#
138 0.0 95.4 143.2#



#51
2,6-Dinitrotoluene
Concen: 12.418 ng
RT: 9.928 min Scan# 1333
Delta R.T. 0.200 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

Tgt Ion: 165 Resp: 105696
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 1.0 45.0 67.4#

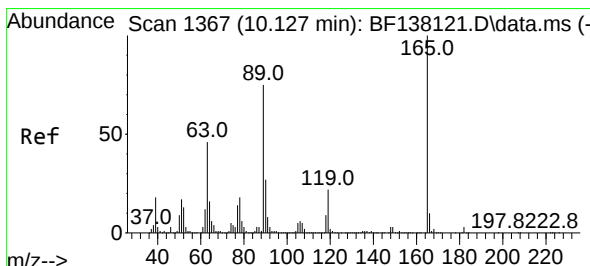
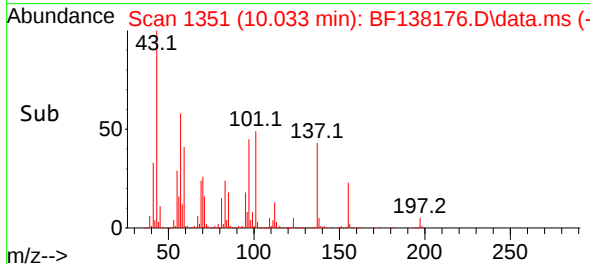
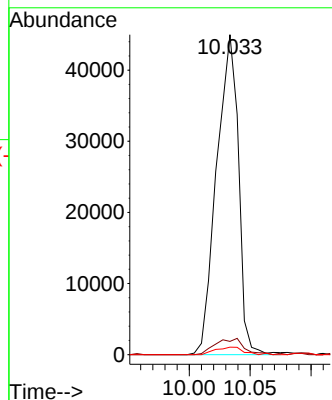
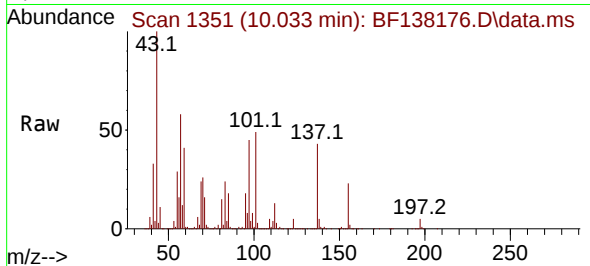




#53
3-Nitroaniline
Concen: 7.788 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.135 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

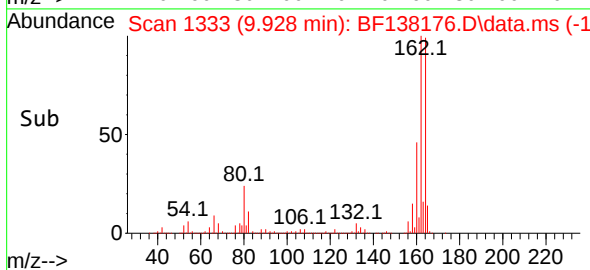
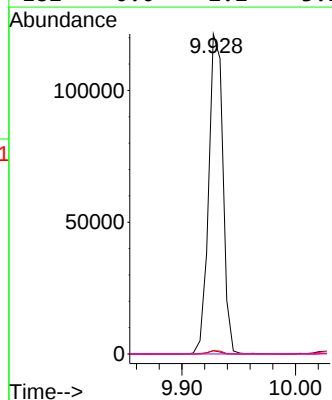
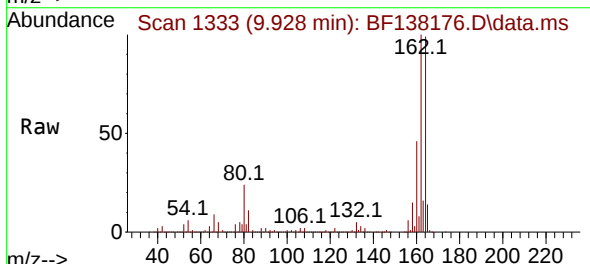
Instrument :
BNA_F
ClientSampleId :
WCS-TPD

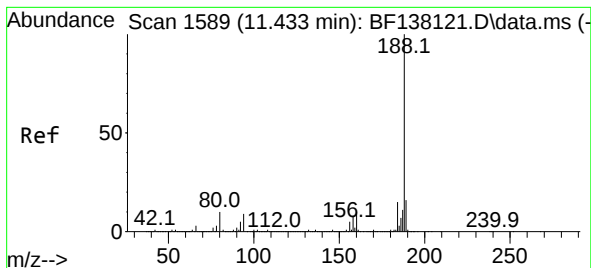
Tgt Ion:138 Resp: 56264
Ion Ratio Lower Upper
138 100
108 4.2 10.3 15.5#
92 2.4 89.5 134.3#



#57
2,4-Dinitrotoluene
Concen: 11.293 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.199 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

Tgt Ion:165 Resp: 105698
Ion Ratio Lower Upper
165 100
63 1.0 36.8 55.2#
89 1.0 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF138176.D

Acq: 10 Jun 2024 17:09

Instrument :

BNA_F

ClientSampleId :

WCS-TPD

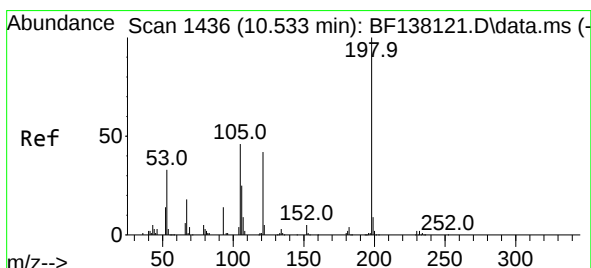
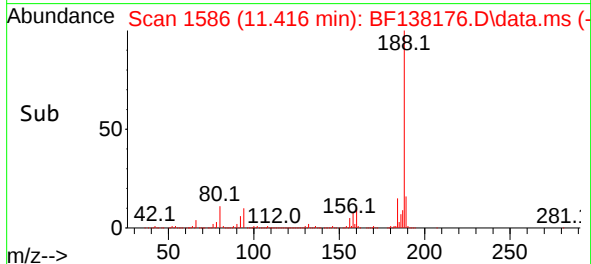
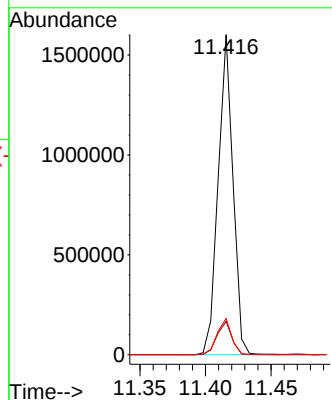
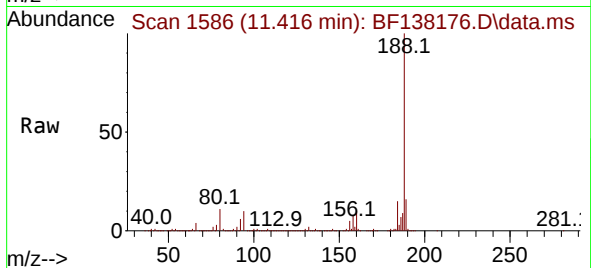
Tgt Ion:188 Resp: 1256992

Ion Ratio Lower Upper

188 100

94 10.4 7.4 11.2

80 11.3 7.7 11.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.664 ng

RT: 10.716 min Scan# 1467

Delta R.T. 0.183 min

Lab File: BF138176.D

Acq: 10 Jun 2024 17:09

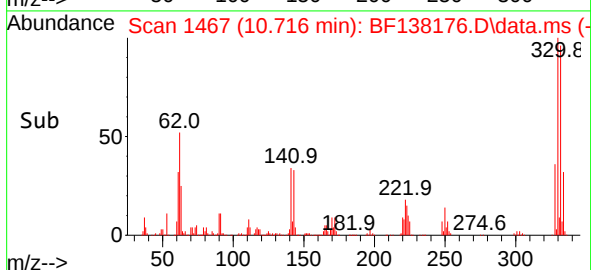
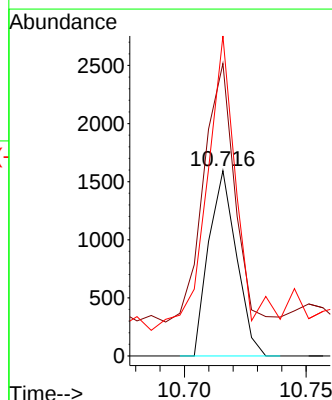
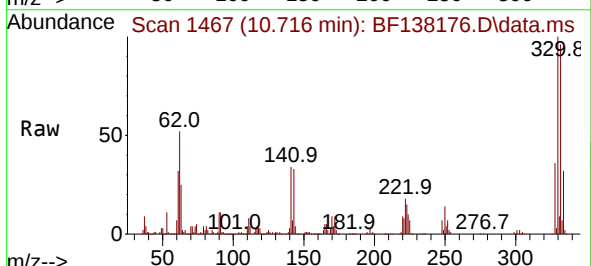
Tgt Ion:198 Resp: 1261

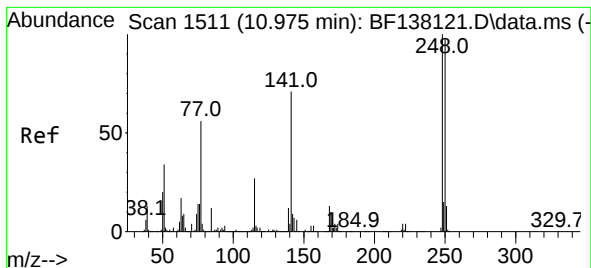
Ion Ratio Lower Upper

198 100

51 157.9 28.2 68.2#

105 172.8 26.8 66.8#

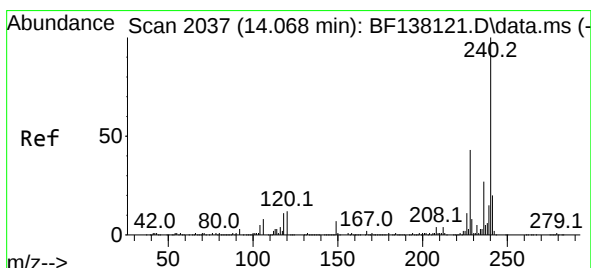
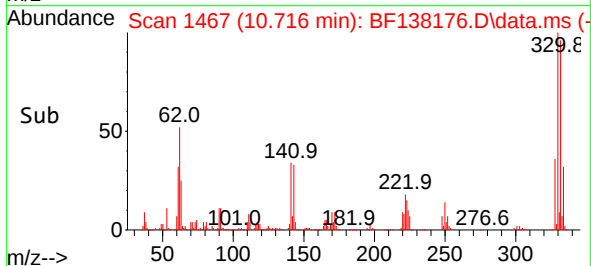
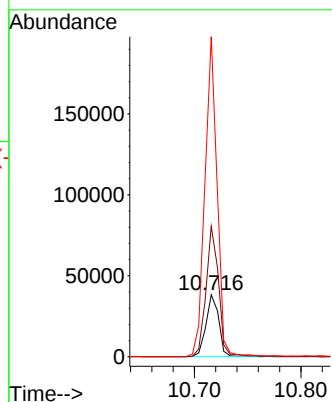
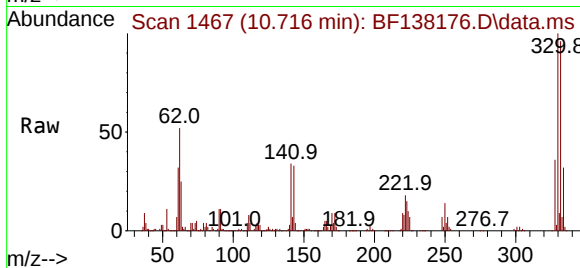




#67
4-Bromophenyl-phenylether
Concen: 2.240 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.259 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

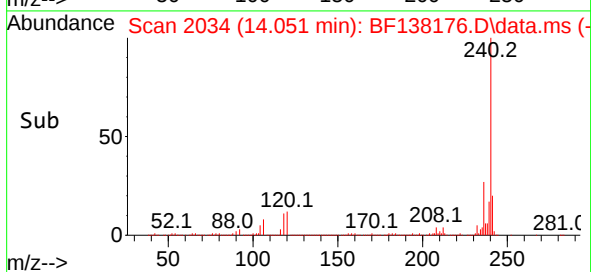
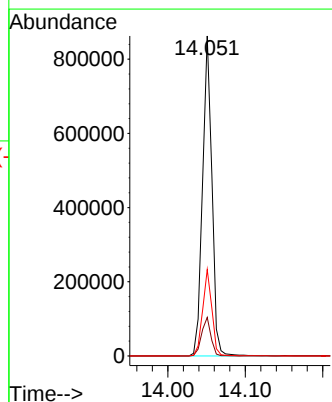
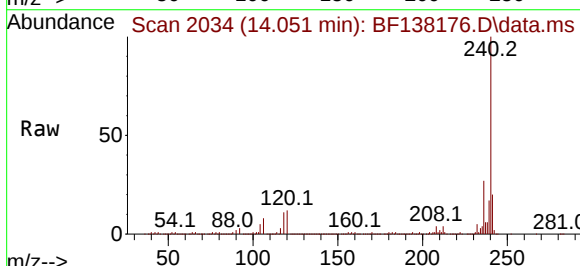
Instrument :
BNA_F
ClientSampleId :
WCS-TPD

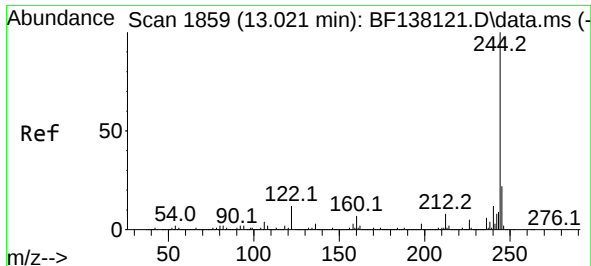
Tgt Ion:248 Resp: 32054
Ion Ratio Lower Upper
248 100
250 210.6 78.7 118.1#
141 516.9 56.5 84.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.017 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

Tgt Ion:240 Resp: 724540
Ion Ratio Lower Upper
240 100
120 12.1 9.8 14.8
236 27.0 21.2 31.8

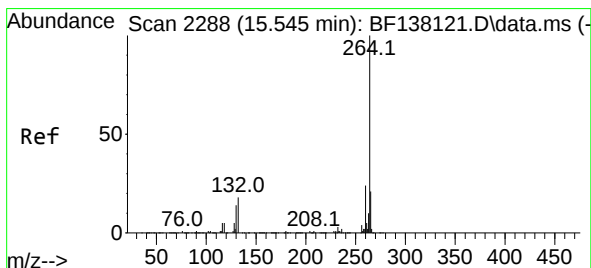
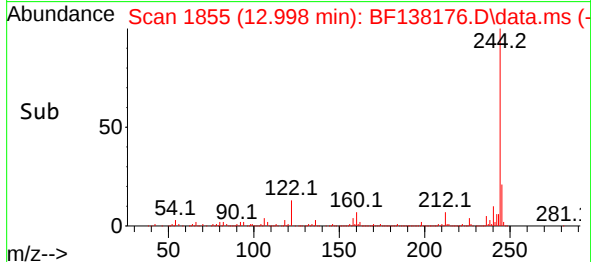
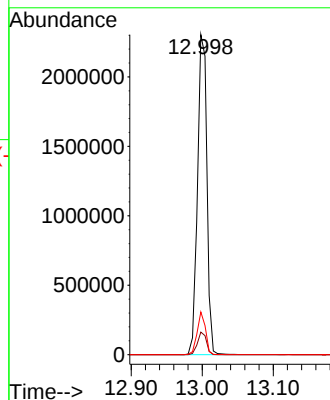
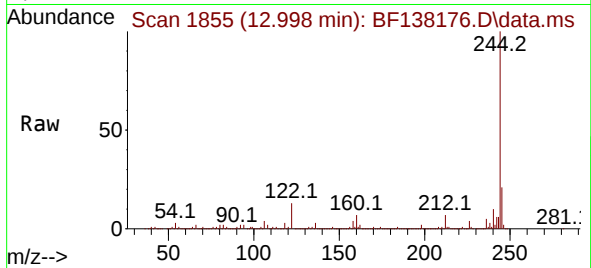




#79
 Terphenyl-d14
 Concen: 43.836 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.023 min
 Lab File: BF138176.D
 Acq: 10 Jun 2024 17:09

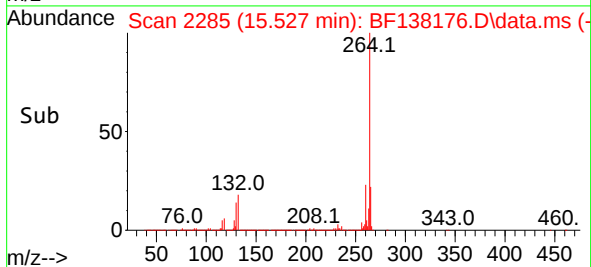
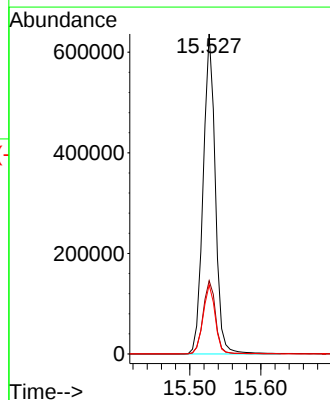
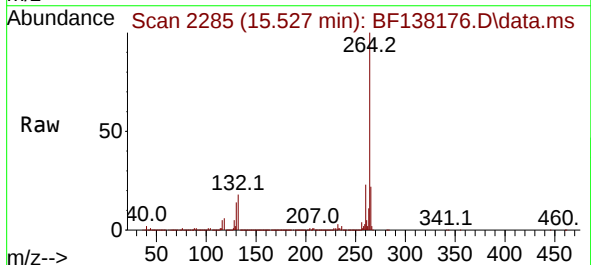
Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPD

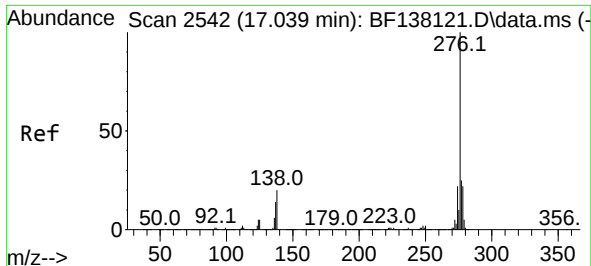
Tgt Ion:244 Resp: 2123446
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.4 9.6
 122 13.3 9.4 14.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2285
 Delta R.T. -0.018 min
 Lab File: BF138176.D
 Acq: 10 Jun 2024 17:09

Tgt Ion:264 Resp: 757703
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.4 29.2
 265 21.6 17.1 25.7

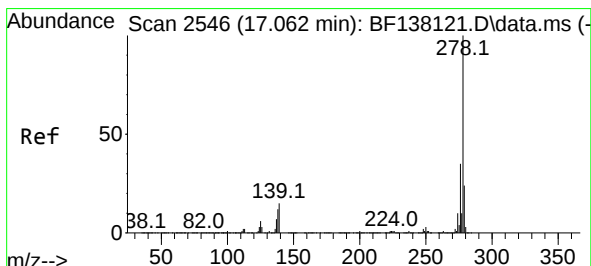
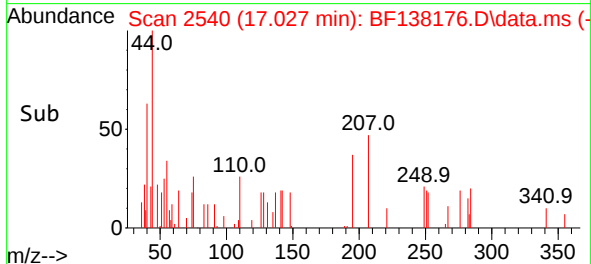
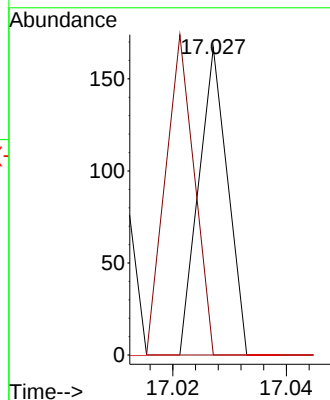
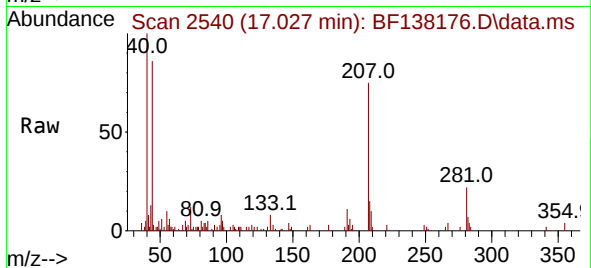




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.484 ng
RT: 17.027 min Scan# 2540
Delta R.T. -0.012 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

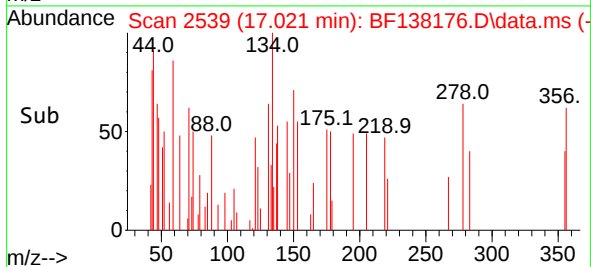
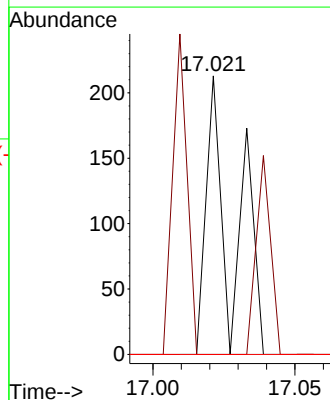
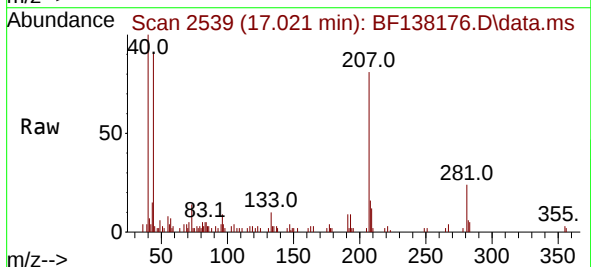
Instrument :
BNA_F
ClientSampleId :
WCS-TPD

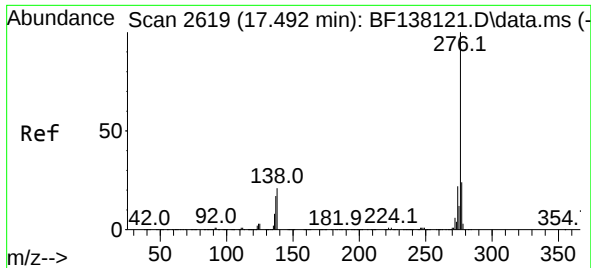
Tgt Ion:276 Resp: 59
Ion Ratio Lower Upper
276 100
138 103.4 18.9 28.3#
277 0.0 20.3 30.5#



#91
Dibenzo(a,h)anthracene
Concen: 3.659 ng
RT: 17.021 min Scan# 2539
Delta R.T. -0.041 min
Lab File: BF138176.D
Acq: 10 Jun 2024 17:09

Tgt Ion:278 Resp: 136
Ion Ratio Lower Upper
278 100
139 0.0 11.7 17.5#
279 0.0 19.2 28.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.987 ng
 RT: 17.462 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF138176.D
 Acq: 10 Jun 2024 17:09

Instrument :
 BNA_F
 ClientSampleId :
 WCS-TPD

Tgt Ion:	276	Resp:	98
Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.0	28.4#
138	84.9	16.5	24.7#

