

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060624\
 Data File : BF138131.D
 Acq On : 06 Jun 2024 14:07
 Operator : CG\JU
 Sample : PB161335BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB161335BL

Quant Time: Jun 06 14:31:32 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)

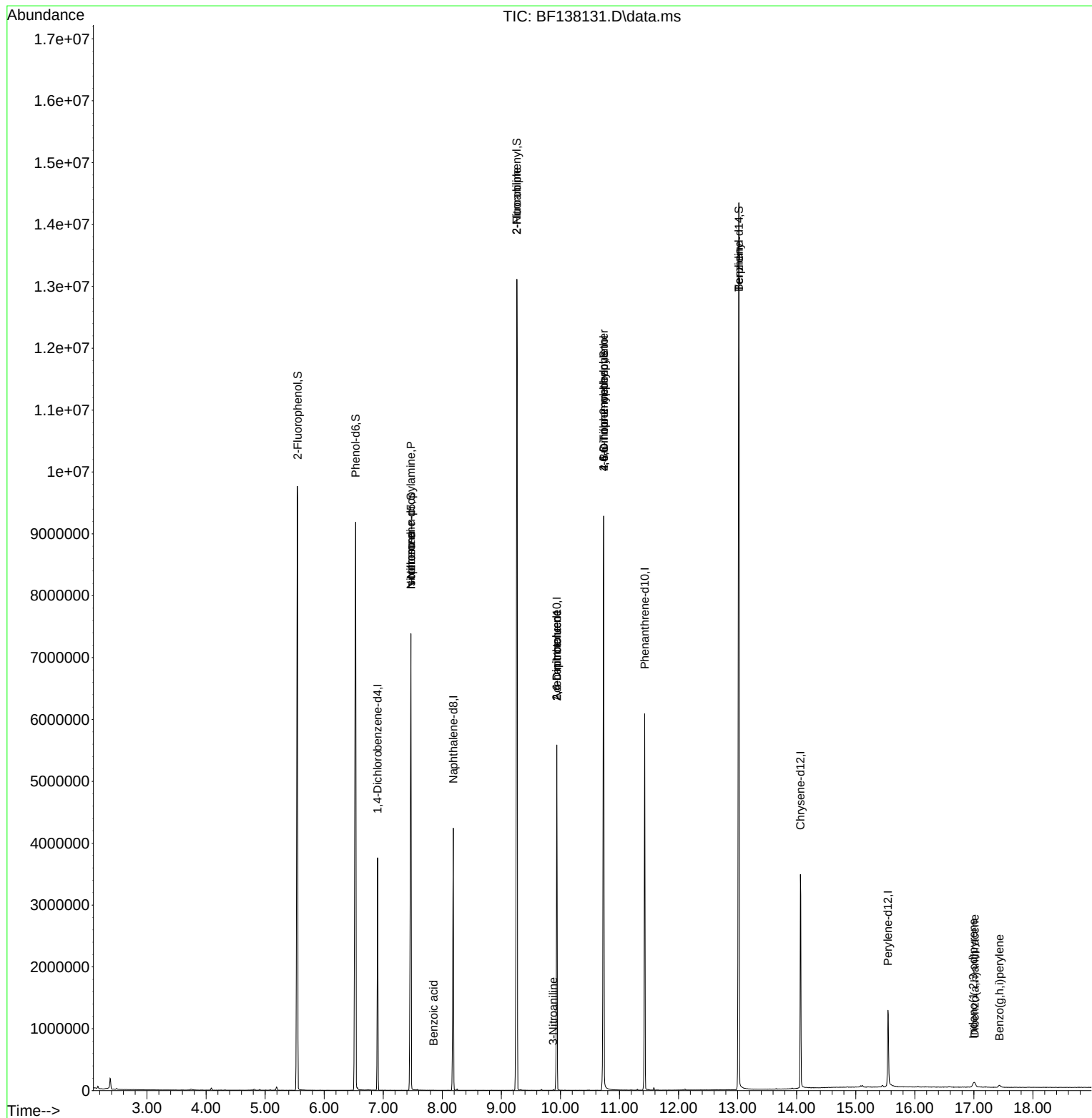
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	501775	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	1946318	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	1122630	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	2056654	20.000	ng	0.00
76) Chrysene-d12	14.063	240	1212535	20.000	ng	0.00
86) Perylene-d12	15.545	264	669188	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.551	112	3539719	120.224	ng	0.02
7) Phenol-d6	6.534	99	4429149	118.897	ng	0.00
23) Nitrobenzene-d5	7.469	82	2724905	95.255	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	1430234	132.382	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	5164609	80.441	ng	0.00
79) Terphenyl-d14	13.021	244	6102499	75.278	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	515	Below Cal		90
19) n-Nitroso-di-n-propyla...	7.469	70	373334	15.717 ng	#	77
25) Isophorone	7.469	82	2718049	43.129 ng	#	63
32) Benzoic acid	7.851	122	299	7.953 ng	#	56
48) 2-Nitroaniline	9.263	65	8438	5.283 ng	#	1
51) 2,6-Dinitrotoluene	9.939	165	151109	12.573 ng	#	25
53) 3-Nitroaniline	9.880	138	1174	3.016 ng	#	91
57) 2,4-Dinitrotoluene	9.939	165	151109	11.422 ng	#	22
65) 4,6-Dinitro-2-methylph...	10.733	198	3216	8.821 ng	#	1
67) 4-Bromophenyl-phenylether	10.733	248	89497	3.822 ng	#	1
77) Benzidine	13.021	184	85206	6.829 ng	#	93
87) Indeno(1,2,3-cd)pyrene	16.992	276	63116	5.089 ng		97
91) Dibenzo(a,h)anthracene	17.015	278	64767	5.708 ng		99
92) Benzo(g,h,i)perylene	17.433	276	38946	4.191 ng		98

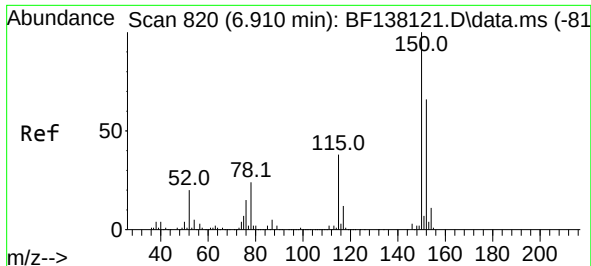
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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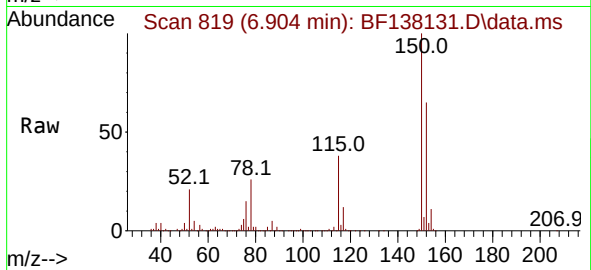
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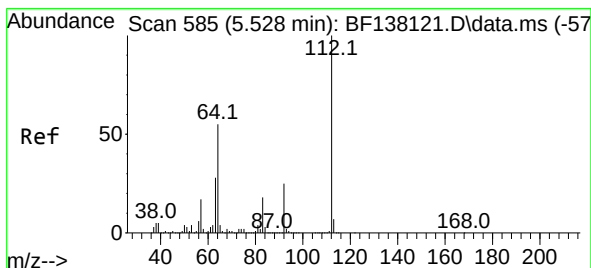
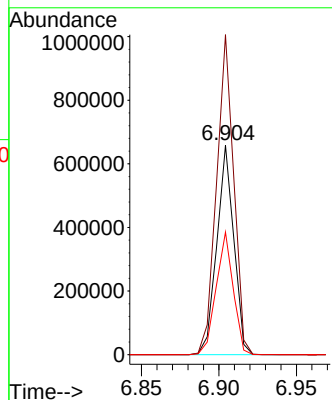
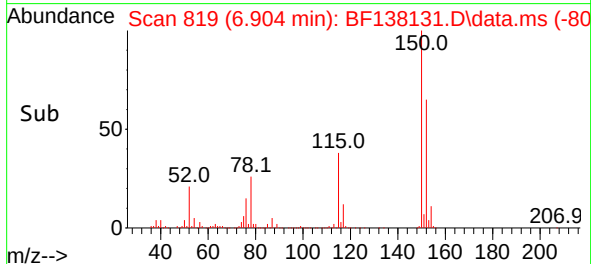


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Instrument :
BNA_F
ClientSampleId :
PB161335BL

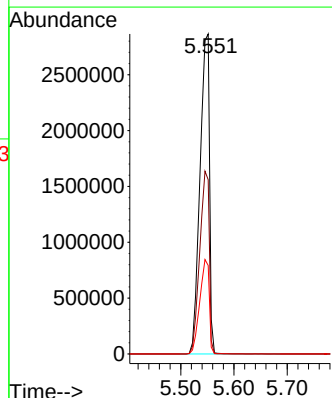
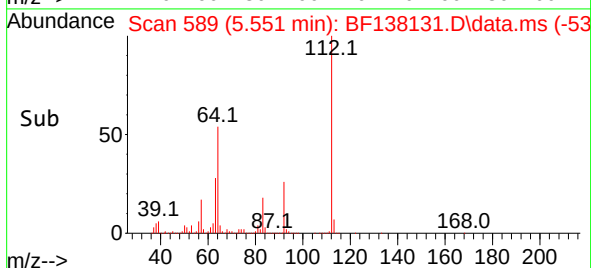
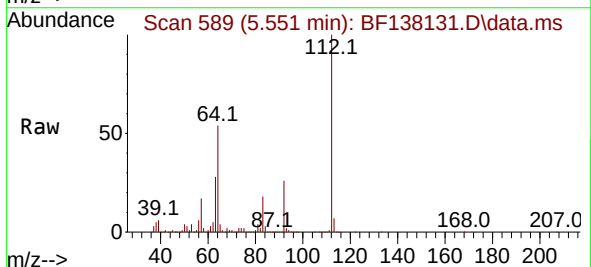


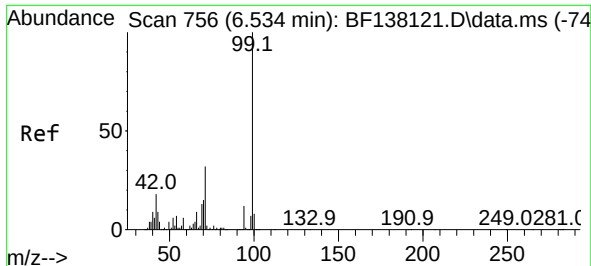
Tgt Ion:152 Resp: 501775
Ion Ratio Lower Upper
152 100
150 152.8 121.8 182.6
115 58.5 46.2 69.2



#5
2-Fluorophenol
Concen: 120.224 ng
RT: 5.551 min Scan# 589
Delta R.T. 0.024 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Tgt Ion:112 Resp: 3539719
Ion Ratio Lower Upper
112 100
64 54.4 44.0 66.0
63 27.7 22.1 33.1





#7
Phenol-d6
Concen: 118.897 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Instrument :

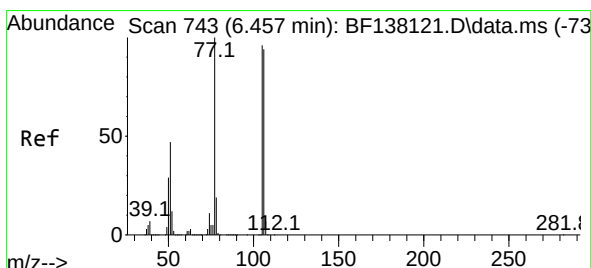
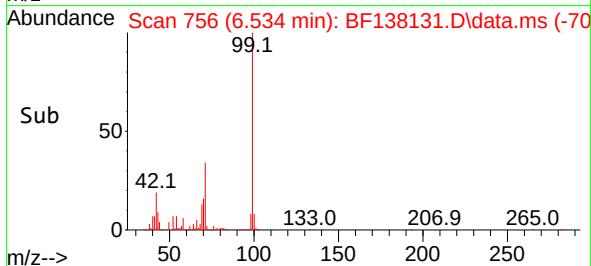
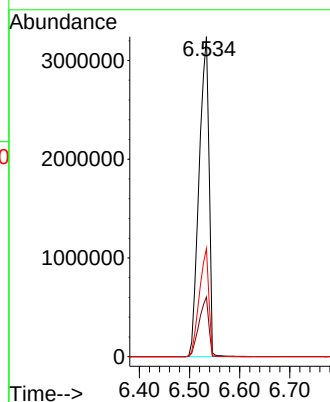
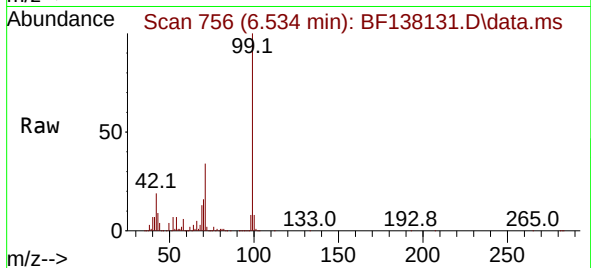
BNA_F

ClientSampleId :

PB161335BL

Tgt Ion: 99 Resp: 4429149

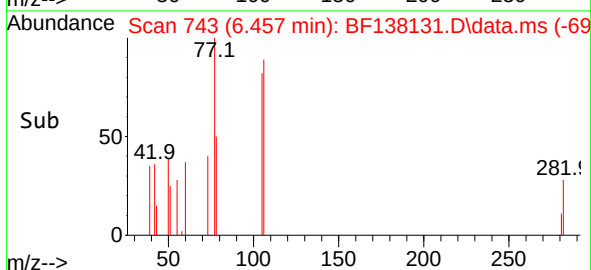
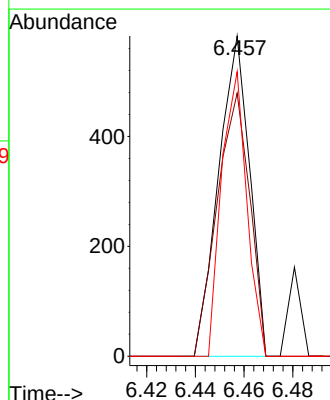
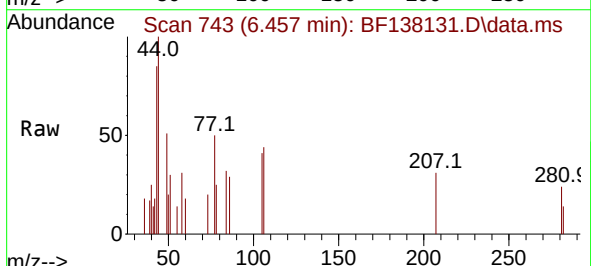
Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.4	21.6
71	33.8	25.5	38.3

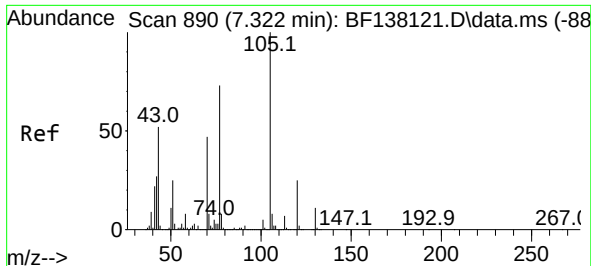


#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Tgt Ion: 77 Resp: 515

Ion	Ratio	Lower	Upper
77	100		
105	82.2	75.8	115.8
106	88.9	73.9	113.9

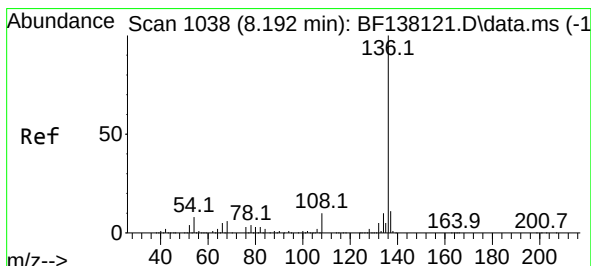
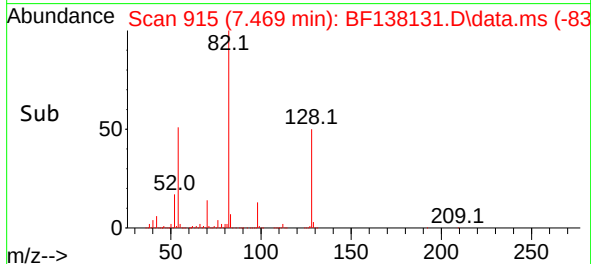
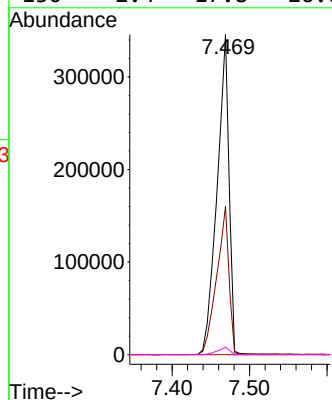
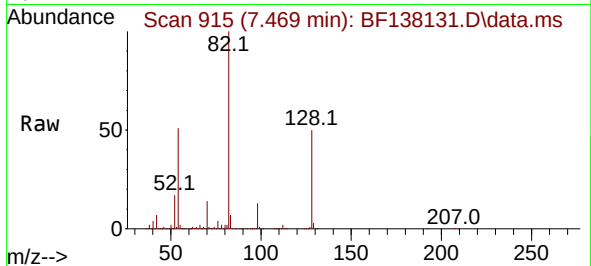




#19
n-Nitroso-di-n-propylamine
Concen: 15.717 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.147 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

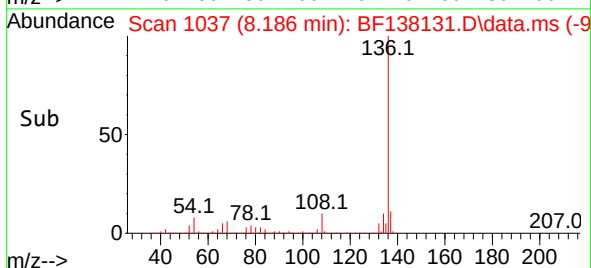
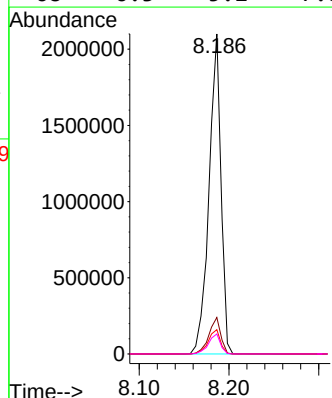
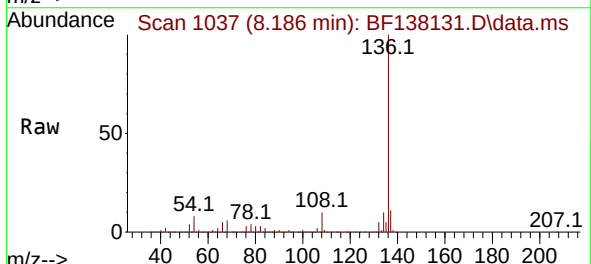
Instrument :
BNA_F
ClientSampleId :
PB161335BL

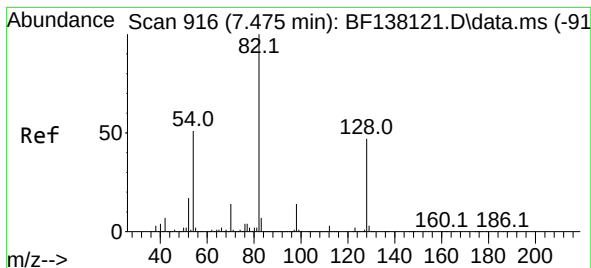
Tgt Ion: 70 Resp: 373334
Ion Ratio Lower Upper
70 100
42 46.3 46.3 69.5#
101 0.0 7.7 11.5#
130 2.4 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Tgt Ion: 136 Resp: 1946318
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.6 6.2 9.2
68 6.3 5.2 7.8





#23

Nitrobenzene-d5

Concen: 95.255 ng

RT: 7.469 min Scan# 915

Delta R.T. -0.006 min

Lab File: BF138131.D

Acq: 06 Jun 2024 14:07

Instrument :

BNA_F

ClientSampleId :

PB161335BL

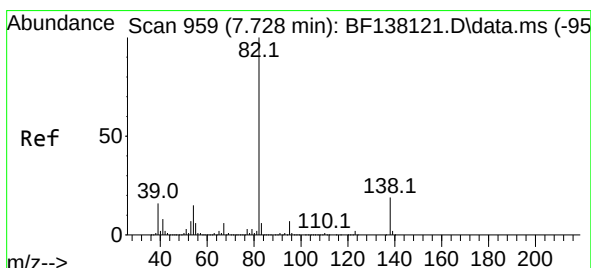
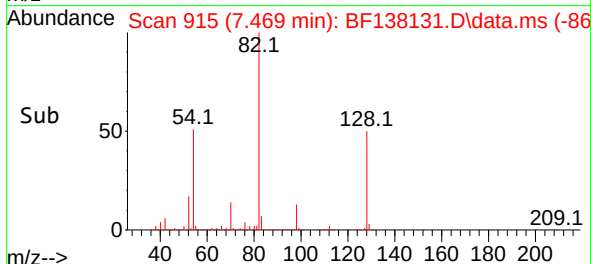
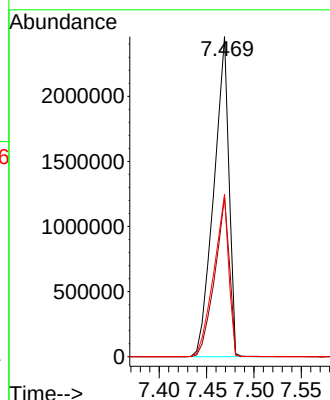
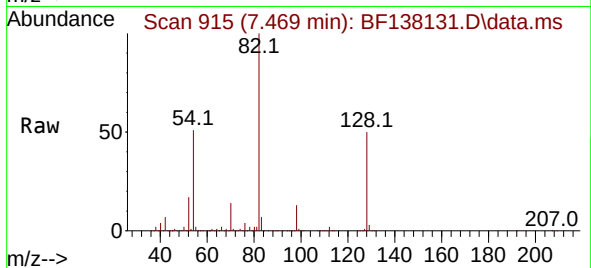
Tgt Ion: 82 Resp: 2724905

Ion Ratio Lower Upper

82 100

128 50.0 37.7 56.5

54 50.7 40.8 61.2



#25

Isophorone

Concen: 43.129 ng

RT: 7.469 min Scan# 915

Delta R.T. -0.259 min

Lab File: BF138131.D

Acq: 06 Jun 2024 14:07

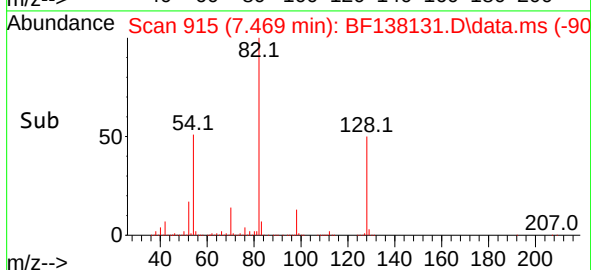
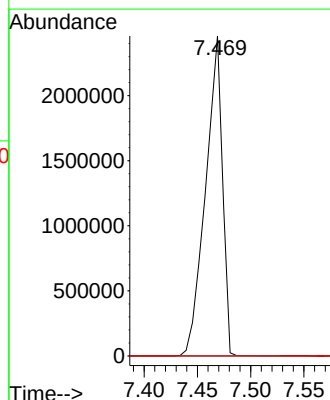
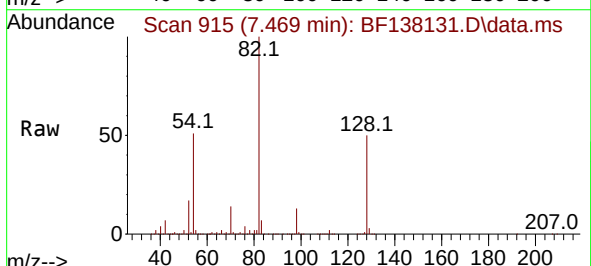
Tgt Ion: 82 Resp: 2718049

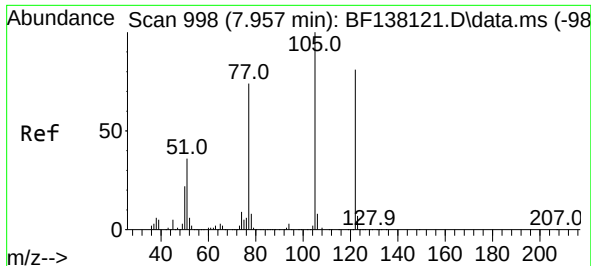
Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.5 23.3#

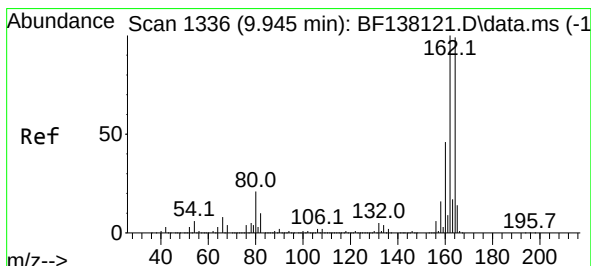
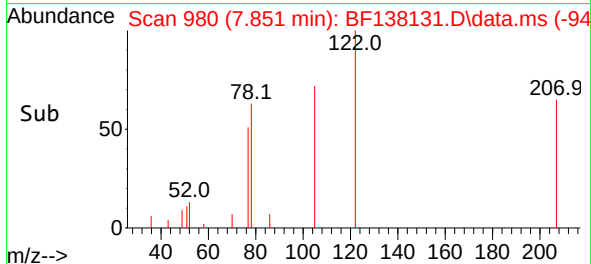
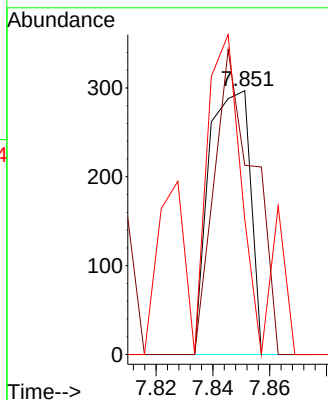
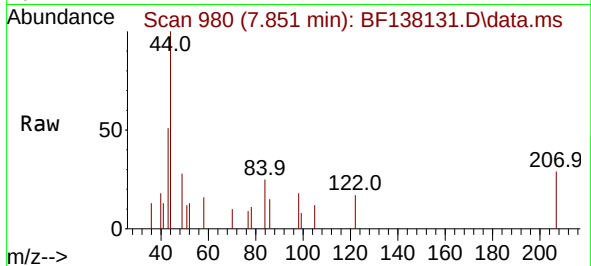




#32
Benzoic acid
Concen: 7.953 ng
RT: 7.851 min Scan# 91
Delta R.T. -0.106 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

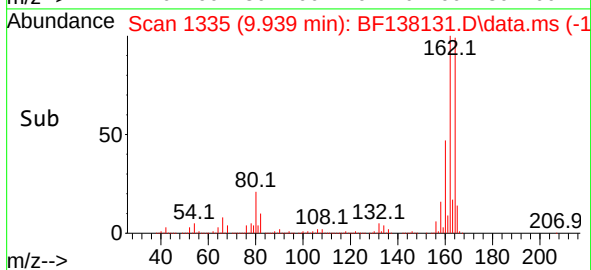
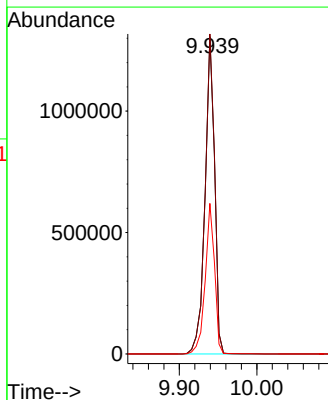
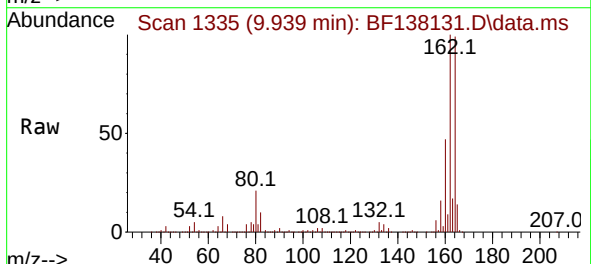
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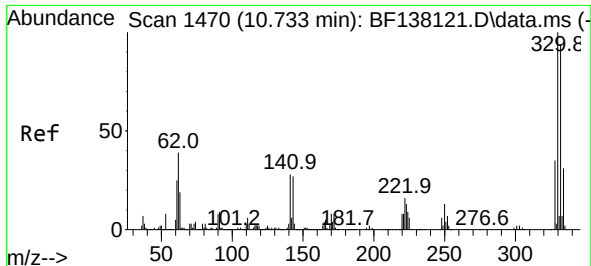
Tgt Ion:122 Resp: 299
Ion Ratio Lower Upper
122 100
105 71.7 102.8 142.8#
77 51.2 71.2 111.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Tgt Ion:164 Resp: 1122630
Ion Ratio Lower Upper
164 100
162 100.9 80.9 121.3
160 47.5 37.0 55.6

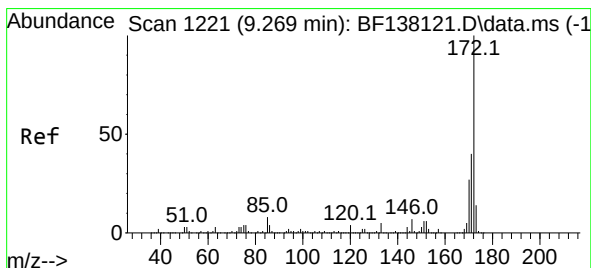
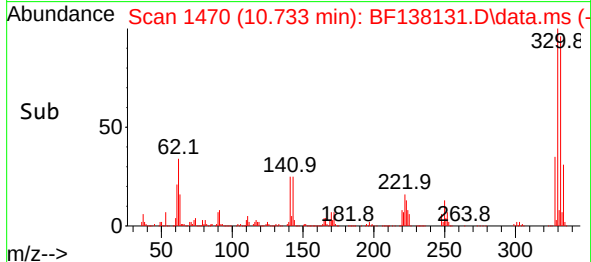
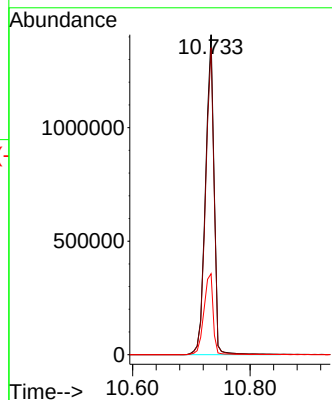
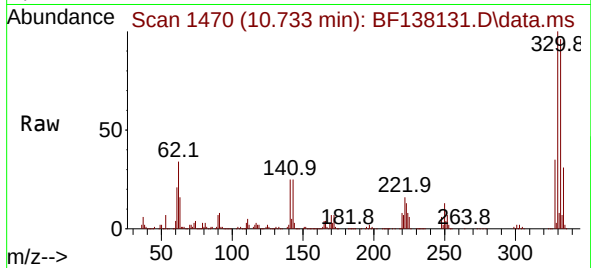




#42
2,4,6-Tribromophenol
Concen: 132.382 ng
RT: 10.733 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

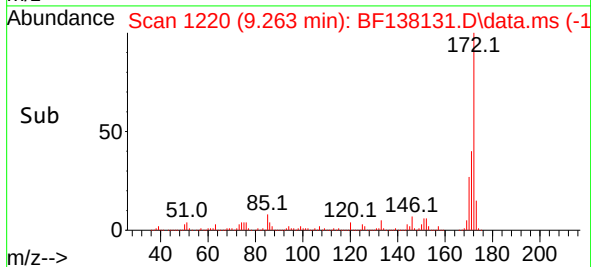
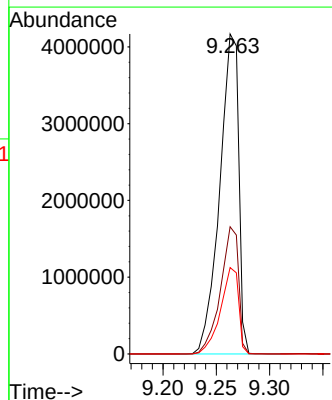
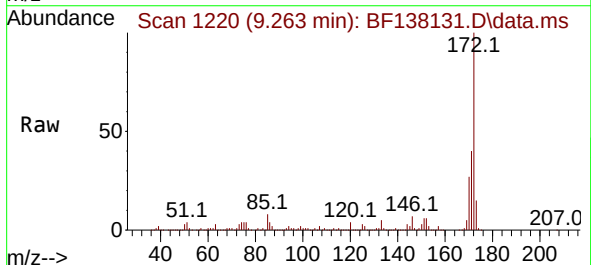
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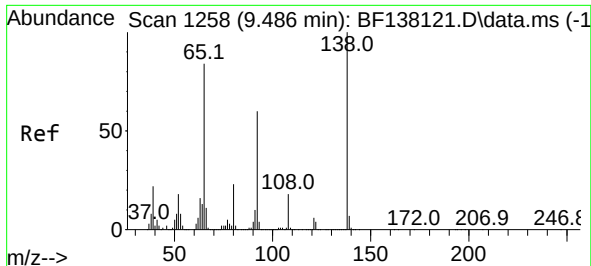
Tgt Ion:330 Resp: 1430234
Ion Ratio Lower Upper
330 100
332 96.0 75.8 113.8
141 27.3 23.2 34.8



#45
2-Fluorobiphenyl
Concen: 80.441 ng
RT: 9.263 min Scan# 1220
Delta R.T. -0.006 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Tgt Ion:172 Resp: 5164609
Ion Ratio Lower Upper
172 100
171 39.7 31.6 47.4
170 27.0 21.4 32.2

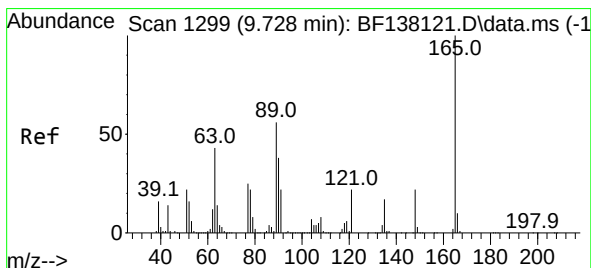
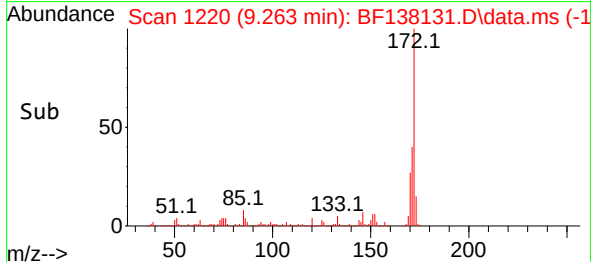
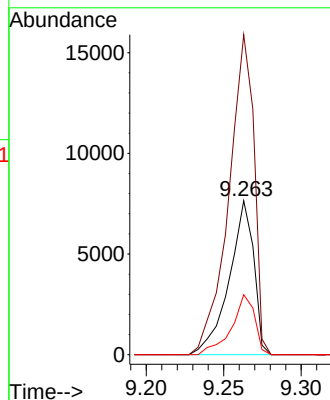
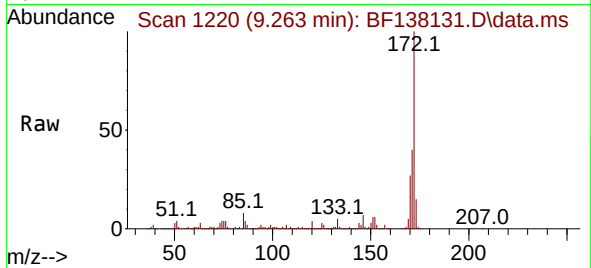




#48
2-Nitroaniline
Concen: 5.283 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.223 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

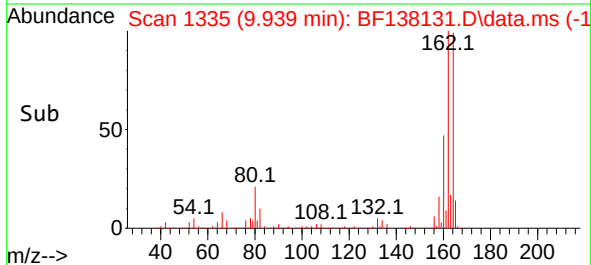
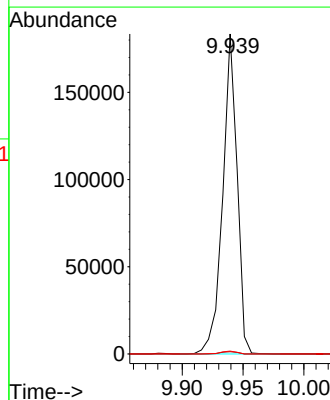
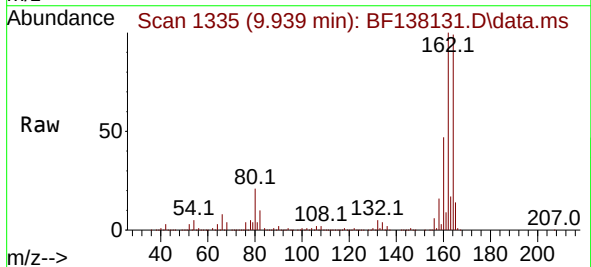
Instrument :
BNA_F
ClientSampleId :
PB161335BL

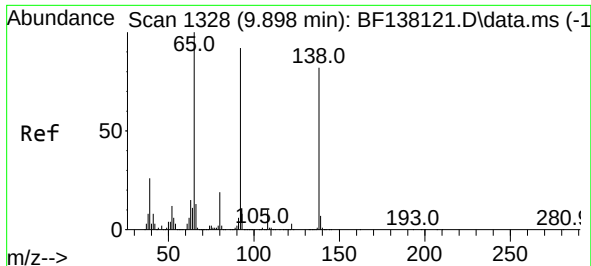
Tgt Ion: 65 Resp: 8438
Ion Ratio Lower Upper
65 100
92 207.9 57.3 85.9#
138 38.9 95.4 143.2#



#51
2,6-Dinitrotoluene
Concen: 12.573 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.211 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Tgt Ion:165 Resp: 151109
Ion Ratio Lower Upper
165 100
63 0.7 42.9 64.3#
89 0.9 45.0 67.4#

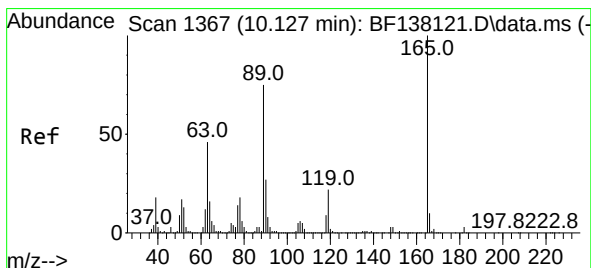
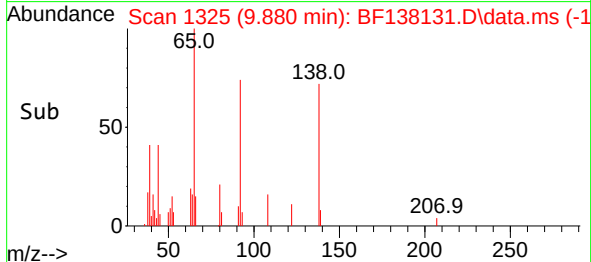
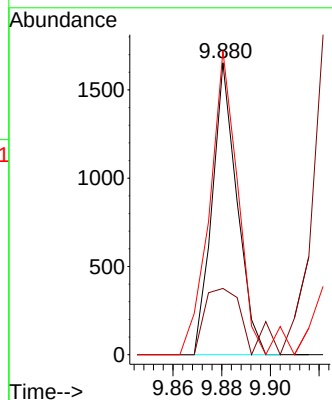
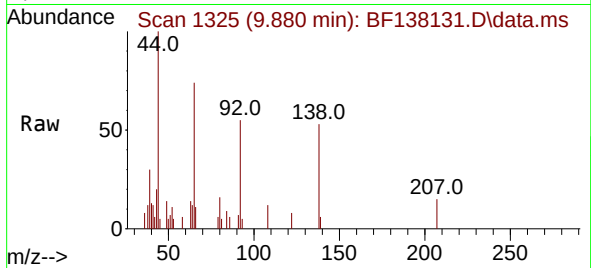




#53
3-Nitroaniline
Concen: 3.016 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

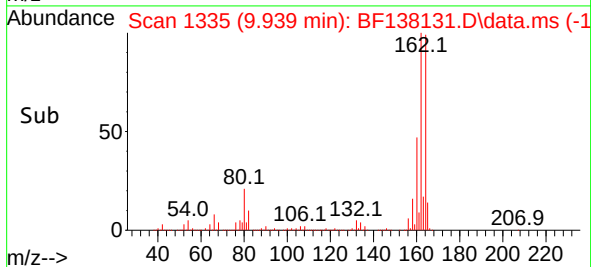
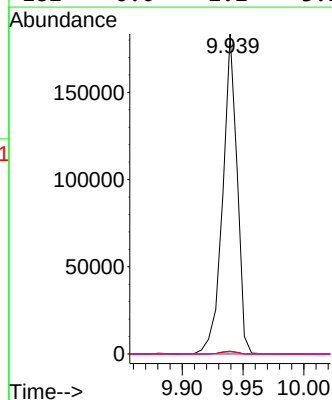
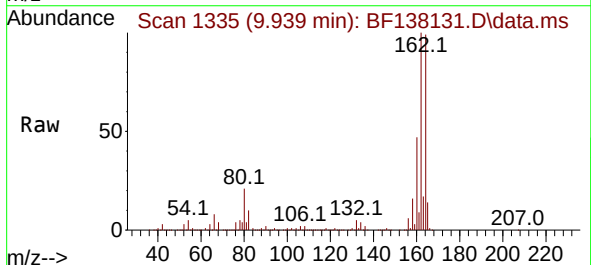
Instrument :
BNA_F
ClientSampleId :
PB161335BL

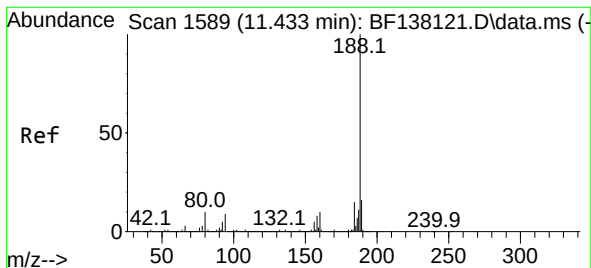
Tgt Ion:138 Resp: 1174
Ion Ratio Lower Upper
138 100
108 22.7 10.3 15.5#
92 104.1 89.5 134.3



#57
2,4-Dinitrotoluene
Concen: 11.422 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.188 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Tgt Ion:165 Resp: 151109
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# 1

Delta R.T. -0.006 min

Lab File: BF138131.D

Acq: 06 Jun 2024 14:07

Instrument :

BNA_F

ClientSampleId :

PB161335BL

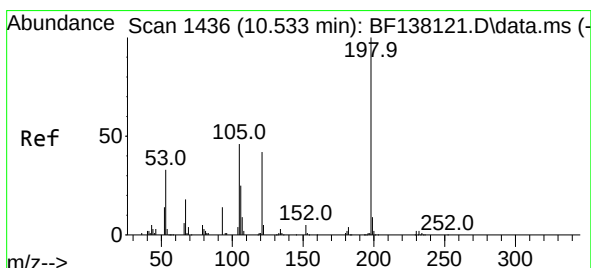
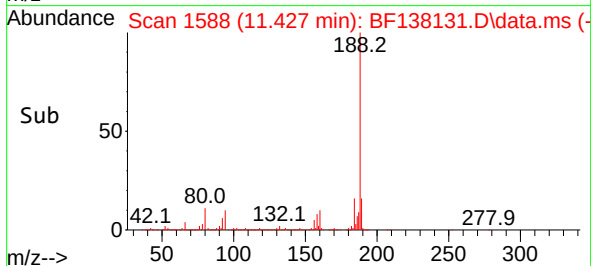
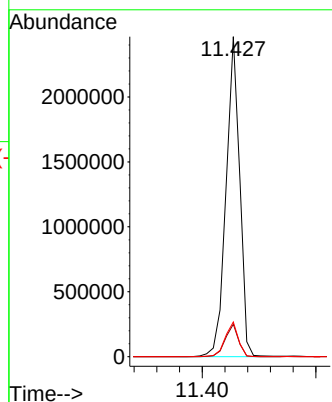
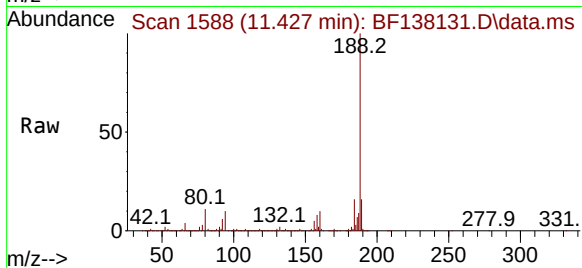
Tgt Ion:188 Resp: 2056654

Ion Ratio Lower Upper

188 100

94 10.2 7.4 11.2

80 10.8 7.7 11.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.821 ng

RT: 10.733 min Scan# 1470

Delta R.T. 0.200 min

Lab File: BF138131.D

Acq: 06 Jun 2024 14:07

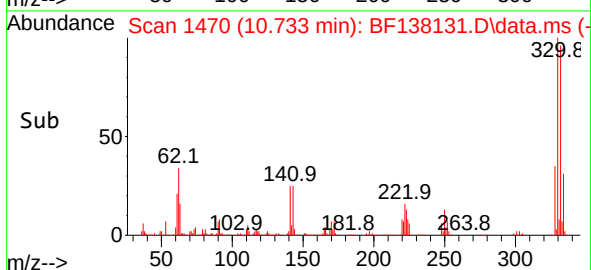
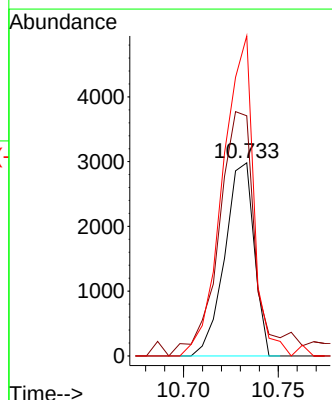
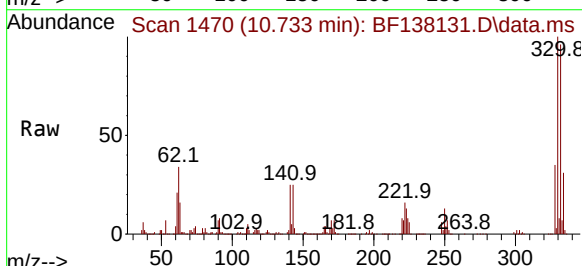
Tgt Ion:198 Resp: 3216

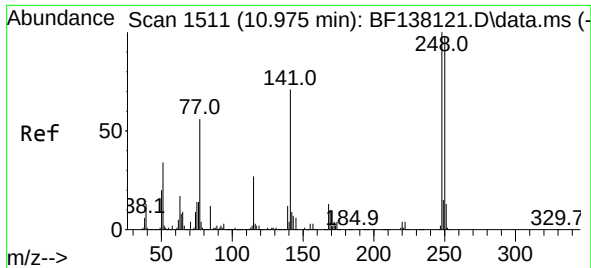
Ion Ratio Lower Upper

198 100

51 124.4 28.2 68.2#

105 165.7 26.8 66.8#

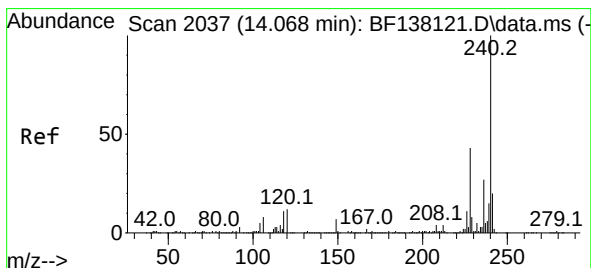
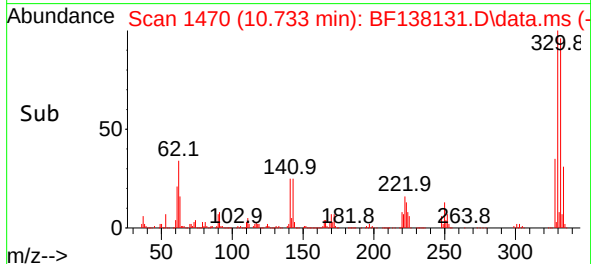
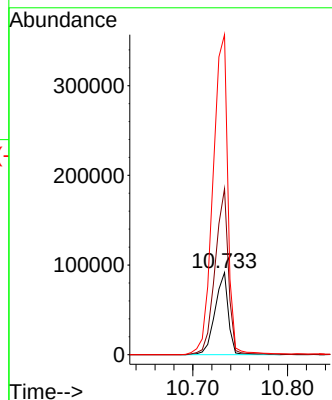
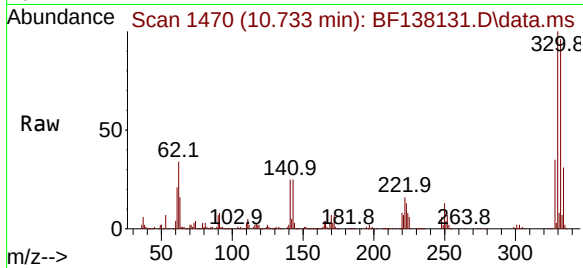




#67
4-Bromophenyl-phenylether
Concen: 3.822 ng
RT: 10.733 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

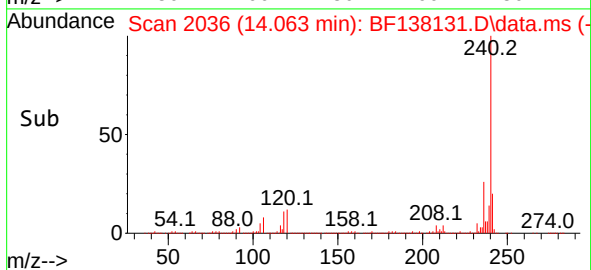
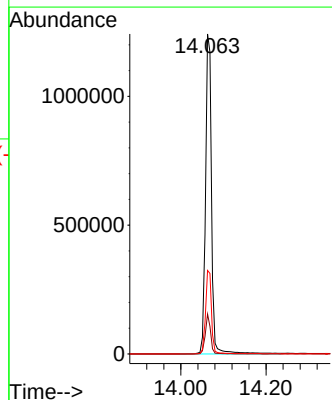
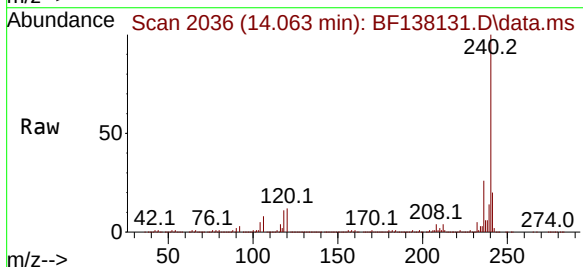
Instrument :
BNA_F
ClientSampleId :
PB161335BL

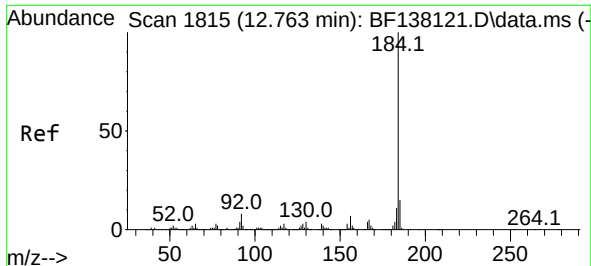
Tgt Ion:248 Resp: 89497
Ion Ratio Lower Upper
248 100
250 202.2 78.7 118.1#
141 390.2 56.5 84.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.005 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Tgt Ion:240 Resp: 1212535
Ion Ratio Lower Upper
240 100
120 12.5 9.8 14.8
236 26.1 21.2 31.8

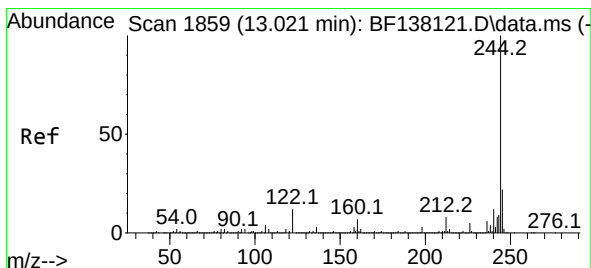
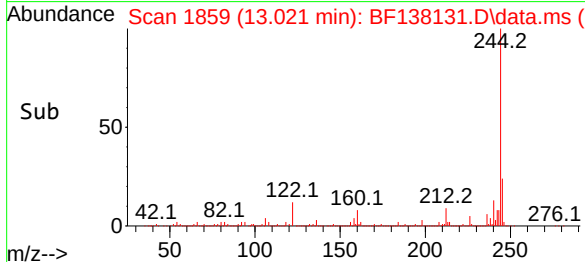
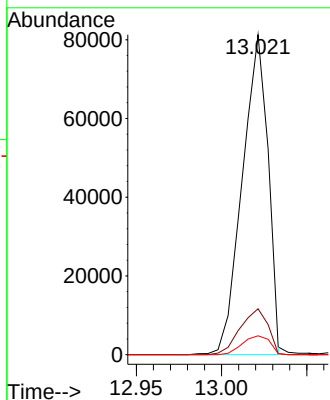
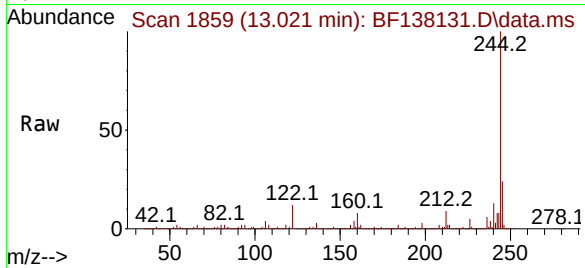




#77
Benzidine
Concen: 6.829 ng
RT: 13.021 min Scan# 1859
Delta R.T. 0.259 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

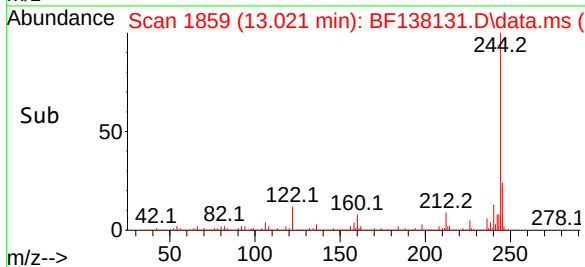
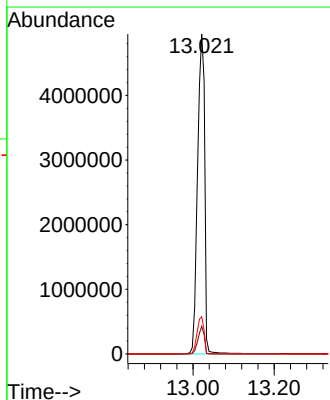
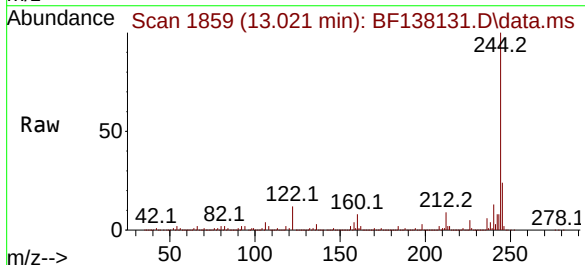
Instrument :
BNA_F
ClientSampleId :
PB161335BL

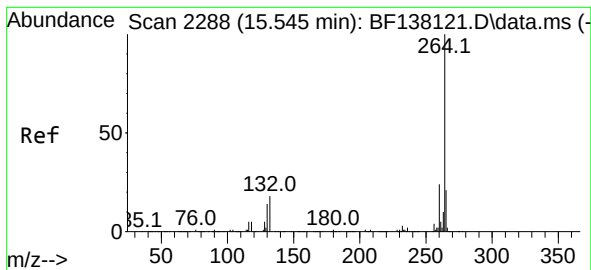
Tgt Ion:184 Resp: 85206
Ion Ratio Lower Upper
184 100
185 14.4 12.2 18.2
183 5.9 9.0 13.4#



#79
Terphenyl-d14
Concen: 75.278 ng
RT: 13.021 min Scan# 1859
Delta R.T. 0.000 min
Lab File: BF138131.D
Acq: 06 Jun 2024 14:07

Tgt Ion:244 Resp: 6102499
Ion Ratio Lower Upper
244 100
212 8.7 6.4 9.6
122 11.7 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: BF138131.D

Acq: 06 Jun 2024 14:07

Instrument :

BNA_F

ClientSampleId :

PB161335BL

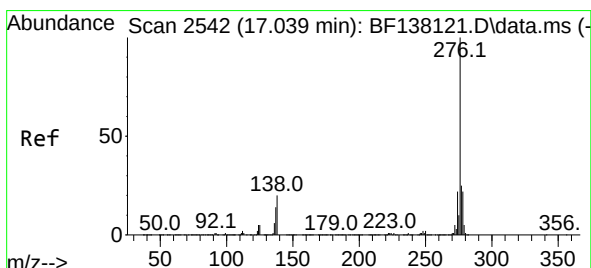
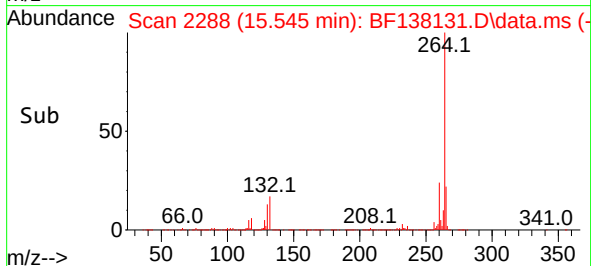
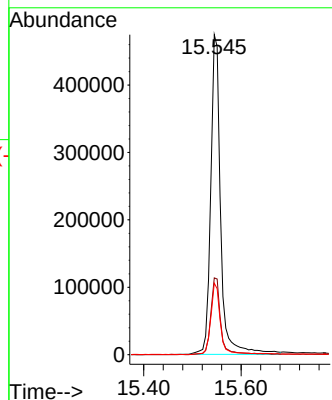
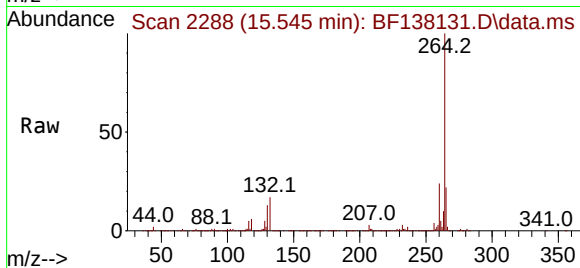
Tgt Ion:264 Resp: 669188

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 22.4 17.1 25.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.089 ng

RT: 16.992 min Scan# 2534

Delta R.T. -0.047 min

Lab File: BF138131.D

Acq: 06 Jun 2024 14:07

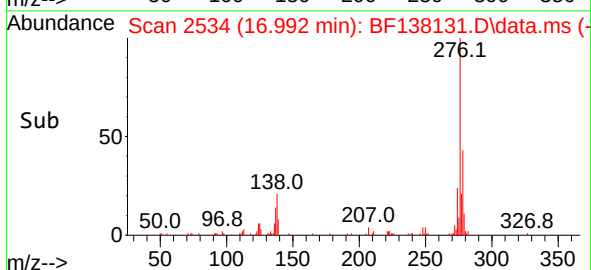
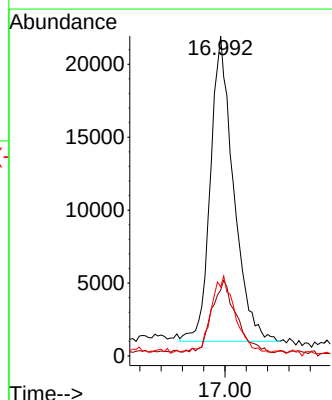
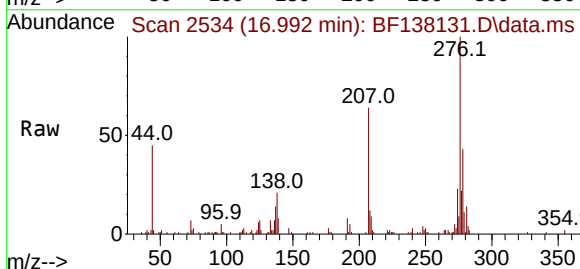
Tgt Ion:276 Resp: 63116

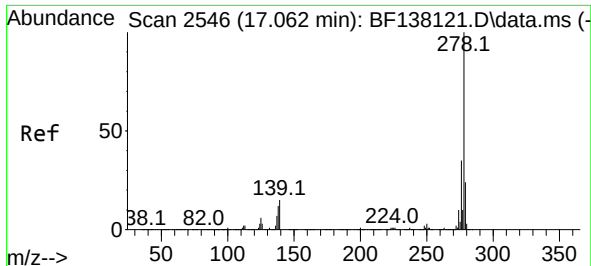
Ion Ratio Lower Upper

276 100

138 26.1 18.9 28.3

277 25.9 20.3 30.5





#91

Dibenzo(a,h)anthracene

Concen: 5.708 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF138131.D

Acq: 06 Jun 2024 14:07

Instrument :

BNA_F

ClientSampleId :

PB161335BL

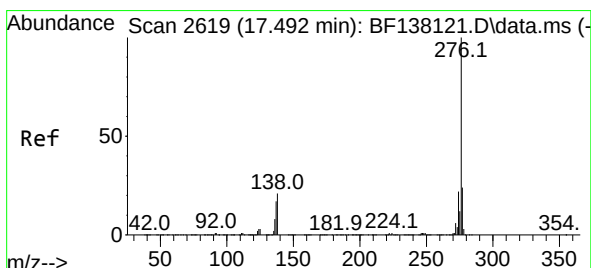
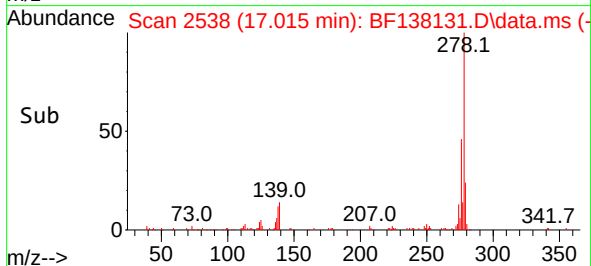
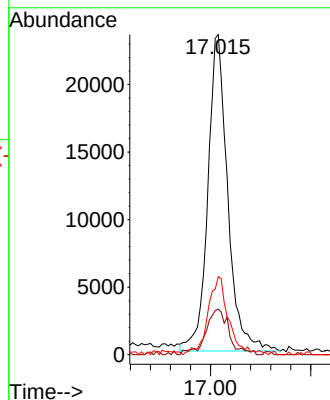
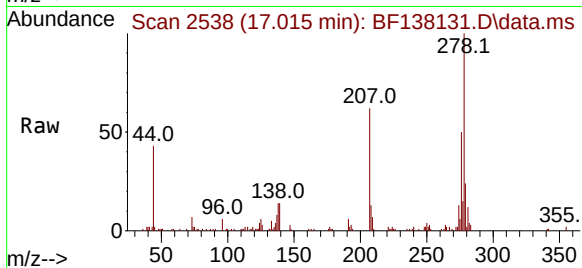
Tgt Ion:278 Resp: 64767

Ion Ratio Lower Upper

278 100

139 14.2 11.7 17.5

279 24.3 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 4.191 ng

RT: 17.433 min Scan# 2609

Delta R.T. -0.059 min

Lab File: BF138131.D

Acq: 06 Jun 2024 14:07

Tgt Ion:276 Resp: 38946

Ion Ratio Lower Upper

276 100

277 22.8 19.0 28.4

138 21.7 16.5 24.7

