

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060724\
 Data File : BF138169.D
 Acq On : 07 Jun 2024 19:34
 Operator : CG\JU
 Sample : P2763-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-SLUDGE

Quant Time: Jun 07 22:54:19 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)

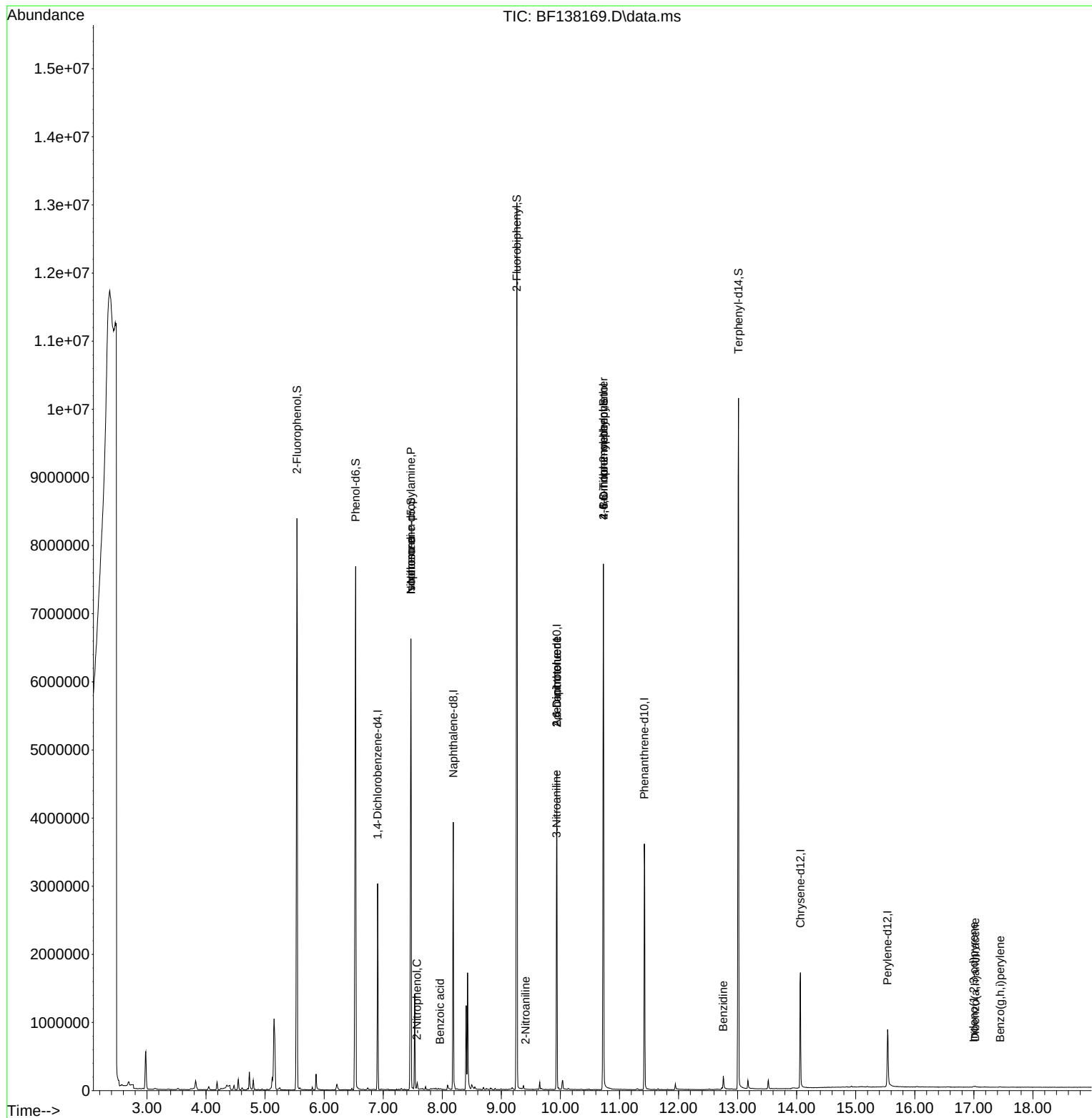
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	409359	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	1567689	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	883052	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	1353428	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	619695	20.000	ng	# 0.00
86) Perylene-d12	15.539	264	476406	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	2812096	117.073	ng	0.01
7) Phenol-d6	6.534	99	3160943	104.010	ng	0.00
23) Nitrobenzene-d5	7.469	82	2289082	99.346	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	1103751	129.880	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	4273451	84.619	ng	0.00
79) Terphenyl-d14	13.016	244	3725612	89.924	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.463	77	407	Below Cal		96
19) n-Nitroso-di-n-propyla...	7.469	70	312335	16.118 ng	#	77
25) Isophorone	7.469	82	2288139	45.076 ng	#	63
26) 2-Nitrophenol	7.569	139	586	5.112 ng	#	63
32) Benzoic acid	7.963	122	2656	8.151 ng	#	25
48) 2-Nitroaniline	9.410	65	229	4.814 ng	#	1
51) 2,6-Dinitrotoluene	9.939	165	115921	12.346 ng	#	25
53) 3-Nitroaniline	9.934	138	134	2.955 ng	#	1
57) 2,4-Dinitrotoluene	9.939	165	115979	11.237 ng	#	22
65) 4,6-Dinitro-2-methylph...	10.728	198	2226	8.843 ng	#	1
67) 4-Bromophenyl-phenylether	10.728	248	68472	4.443 ng	#	1
77) Benzidine	12.757	184	91416	14.335 ng		98
87) Indeno(1,2,3-cd)pyrene	16.998	276	9488	3.822 ng	#	81
91) Dibenzo(a,h)anthracene	17.021	278	9834	4.093 ng		95
92) Benzo(g,h,i)perylene	17.445	276	7283	3.301 ng		95

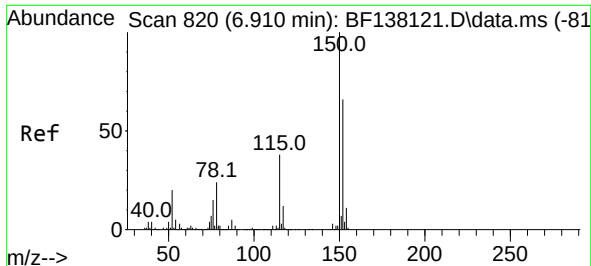
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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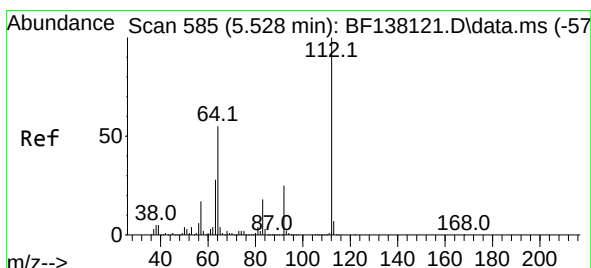
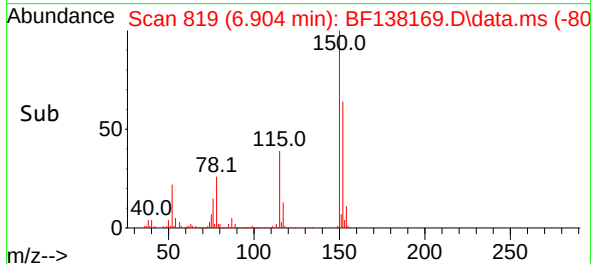
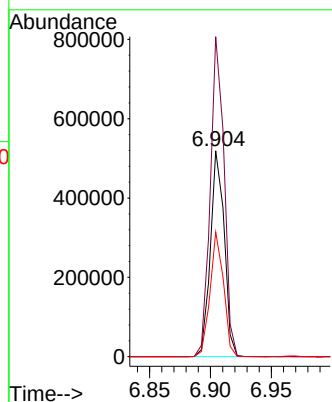
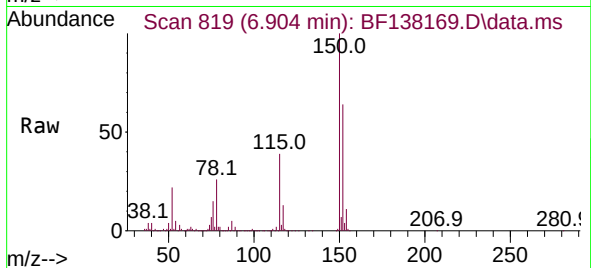




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

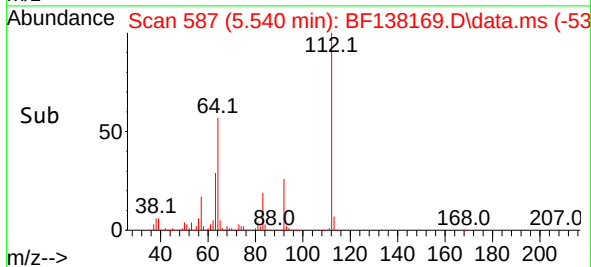
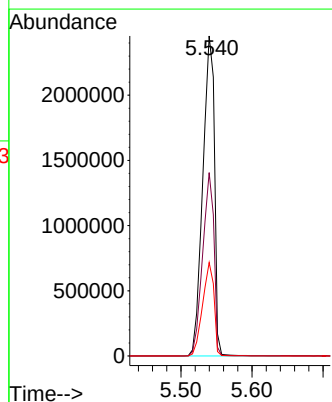
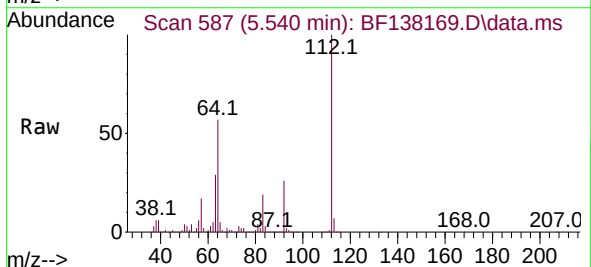
Instrument :
BNA_F
ClientSampleId :
MH-SLUDGE

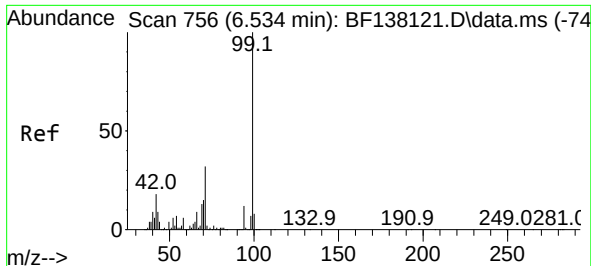
Tgt Ion:152 Resp: 409359
Ion Ratio Lower Upper
152 100
150 155.3 121.8 182.6
115 60.5 46.2 69.2



#5
2-Fluorophenol
Concen: 117.073 ng
RT: 5.540 min Scan# 587
Delta R.T. 0.012 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

Tgt Ion:112 Resp: 2812096
Ion Ratio Lower Upper
112 100
64 57.3 44.0 66.0
63 29.2 22.1 33.1

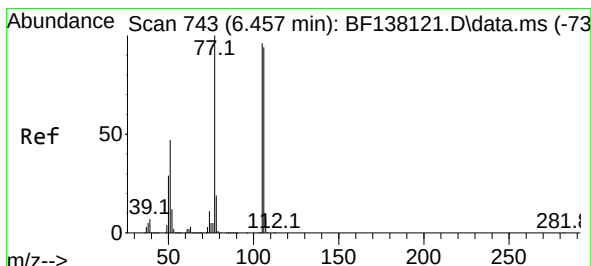
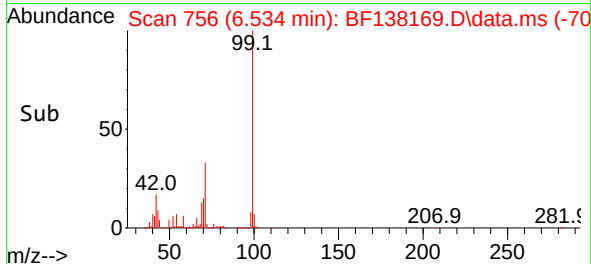
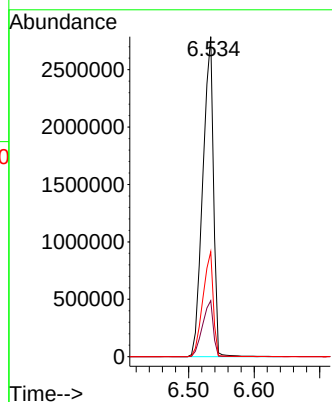
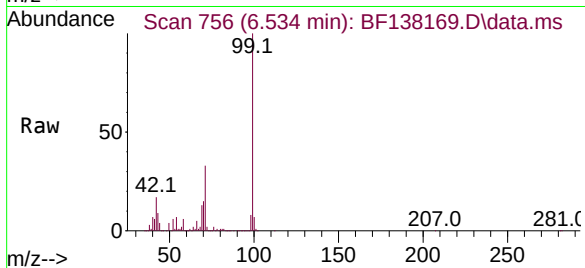




#7
Phenol-d6
Concen: 104.010 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

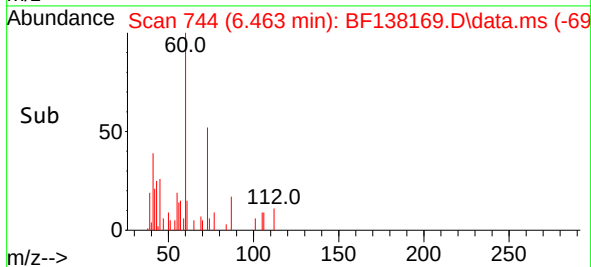
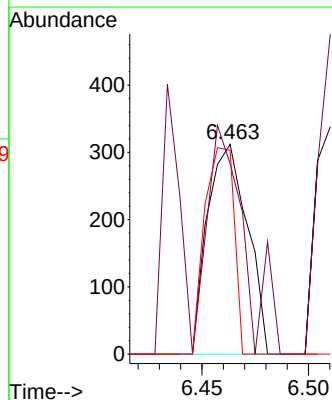
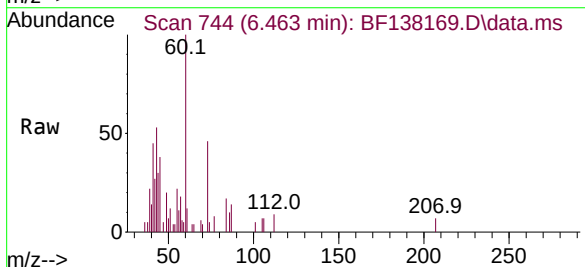
Instrument :
BNA_F
ClientSampleId :
MH-SLUDGE

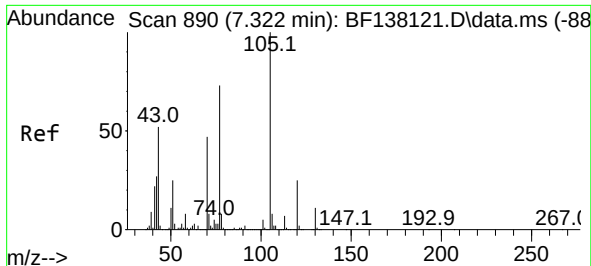
Tgt Ion: 99 Resp: 3160943
Ion Ratio Lower Upper
99 100
42 17.5 14.4 21.6
71 32.8 25.5 38.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.463 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

Tgt Ion: 77 Resp: 407
Ion Ratio Lower Upper
77 100
105 90.7 75.8 115.8
106 97.1 73.9 113.9

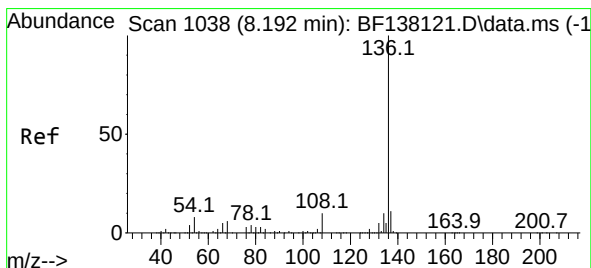
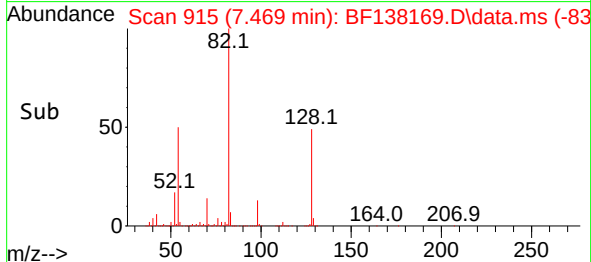
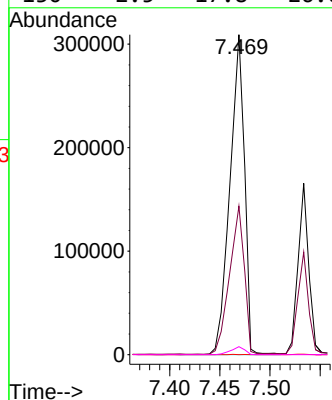
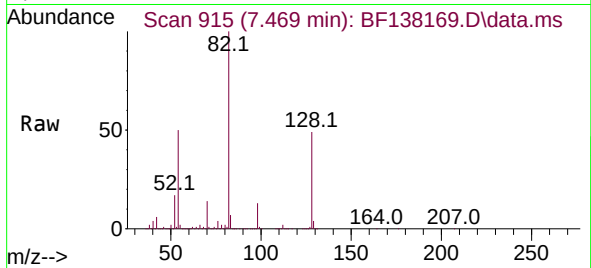




#19
n-Nitroso-di-n-propylamine
Concen: 16.118 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.147 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

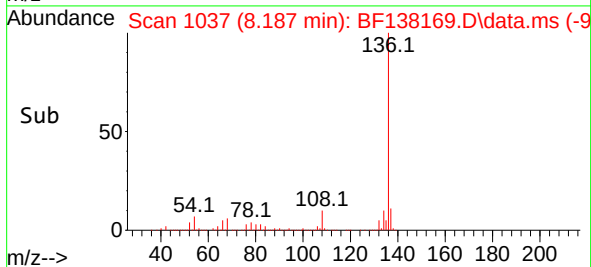
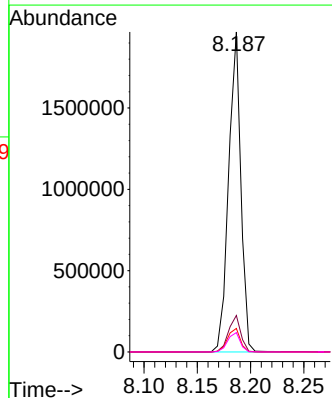
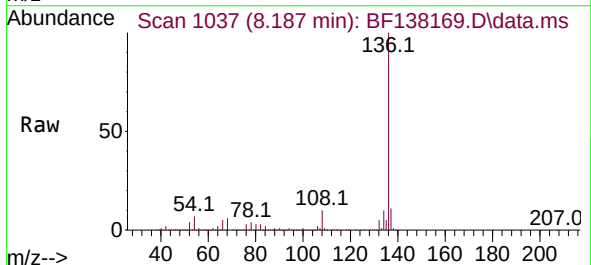
Instrument :
BNA_F
ClientSampleId :
MH-SLUDGE

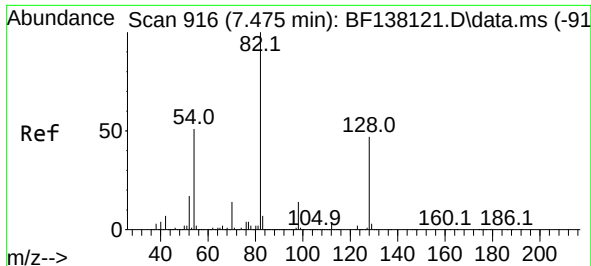
Tgt Ion: 70 Resp: 312335
Ion Ratio Lower Upper
70 100
42 46.4 46.3 69.5
101 0.0 7.7 11.5#
130 2.5 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1037
Delta R.T. -0.006 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

Tgt Ion:136 Resp: 1567689
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.3 6.2 9.2
68 6.1 5.2 7.8

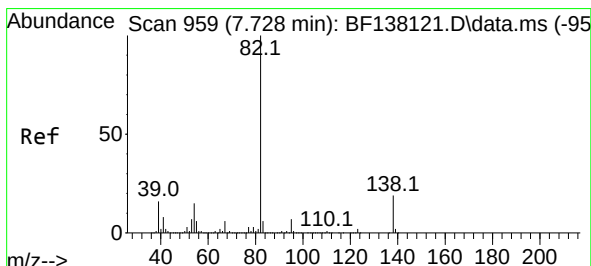
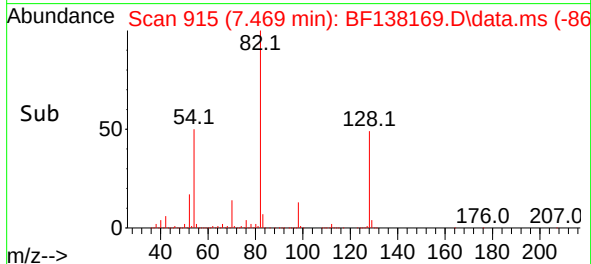
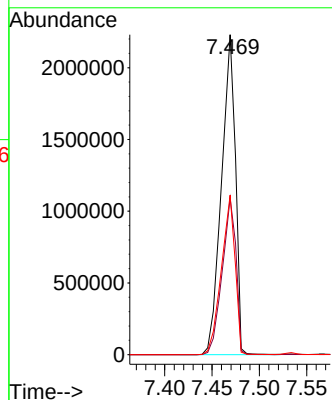
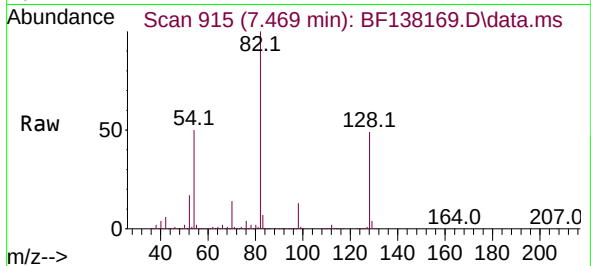




#23
Nitrobenzene-d5
Concen: 99.346 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

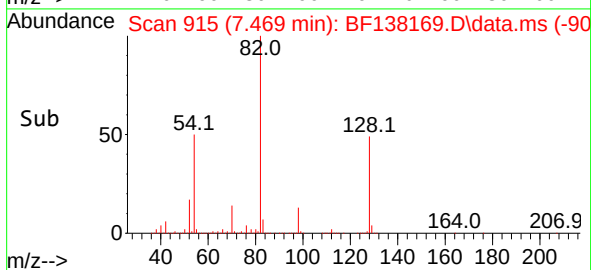
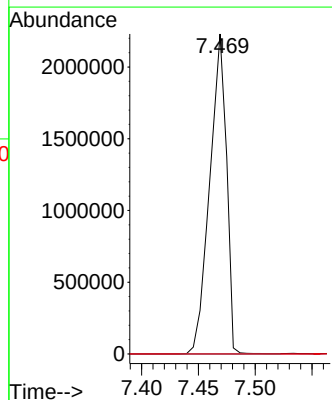
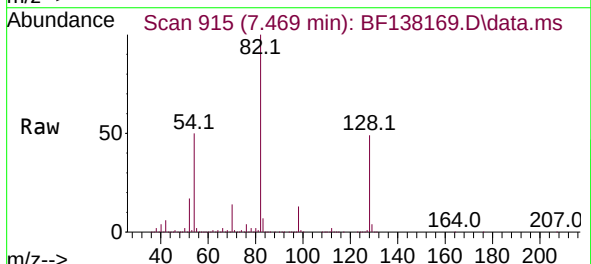
Instrument :
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ClientSampleId :
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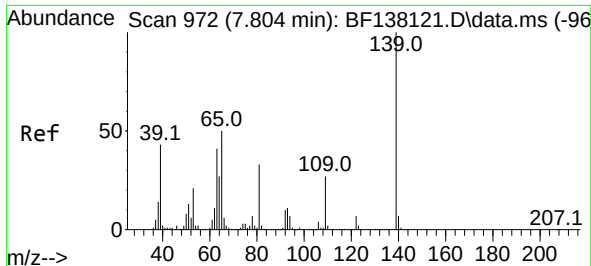
Tgt Ion: 82 Resp: 2289082
Ion Ratio Lower Upper
82 100
128 49.0 37.7 56.5
54 49.9 40.8 61.2



#25
Isophorone
Concen: 45.076 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.259 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

Tgt Ion: 82 Resp: 2288139
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.5 23.3#

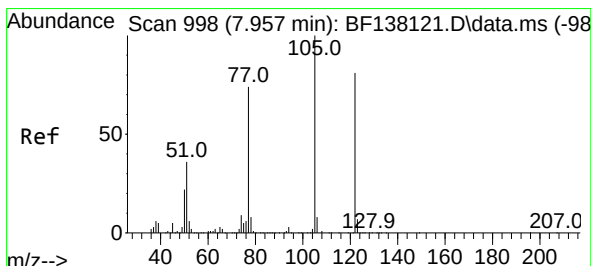
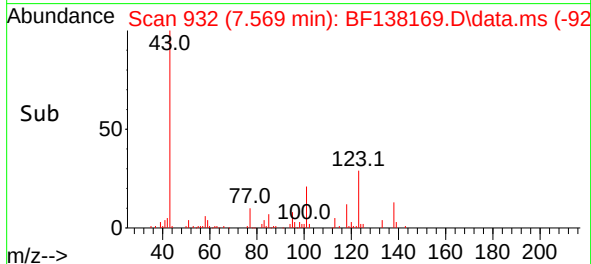
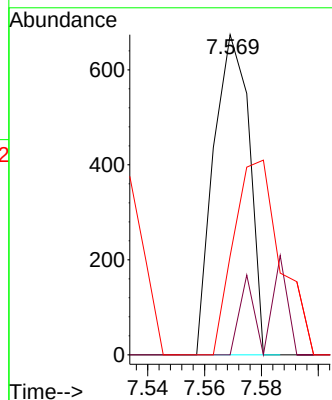
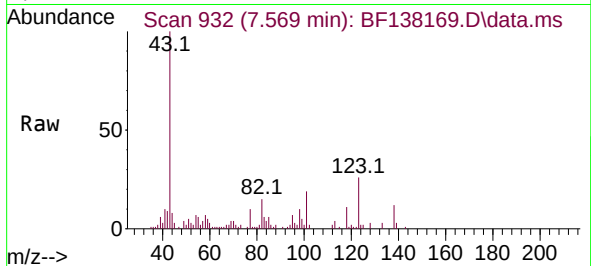




#26
2-Nitrophenol
Concen: 5.112 ng
RT: 7.569 min Scan# 912
Delta R.T. -0.235 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

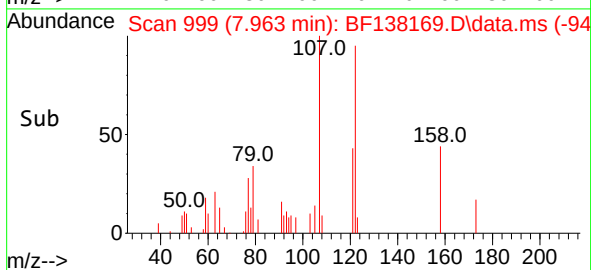
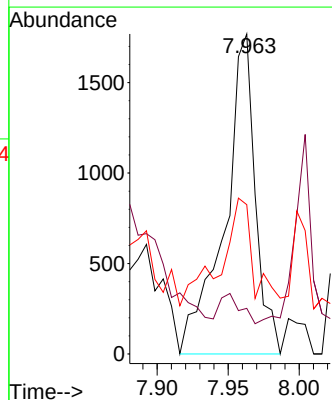
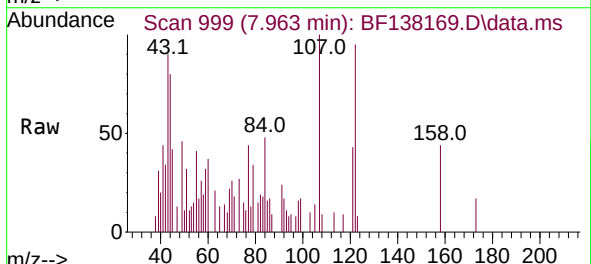
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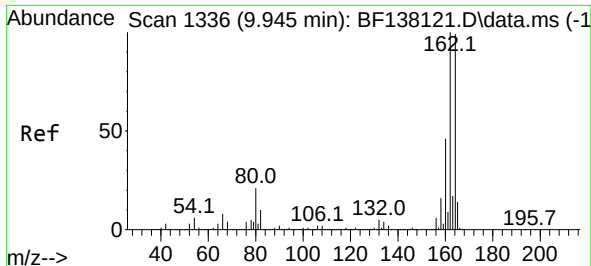
Tgt Ion:139 Resp: 586
Ion Ratio Lower Upper
139 100
109 0.0 21.8 32.6#
65 30.9 40.1 60.1#



#32
Benzoic acid
Concen: 8.151 ng
RT: 7.963 min Scan# 999
Delta R.T. 0.006 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

Tgt Ion:122 Resp: 2656
Ion Ratio Lower Upper
122 100
105 14.2 102.8 142.8#
77 46.6 71.2 111.2#

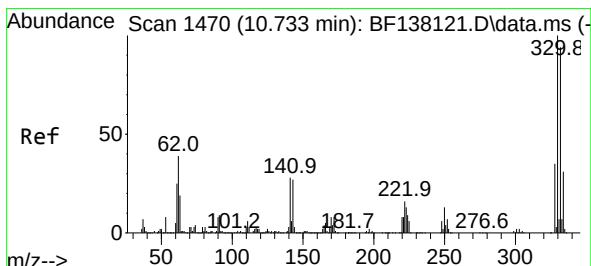
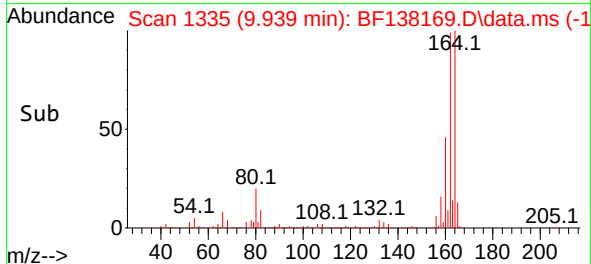
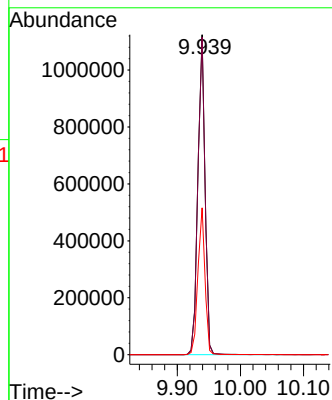
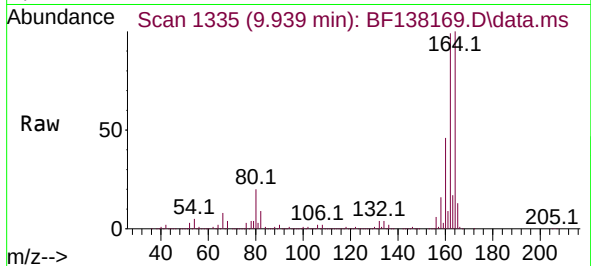




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

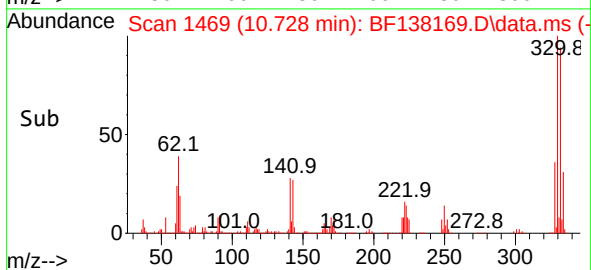
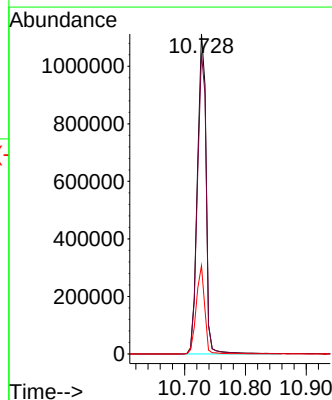
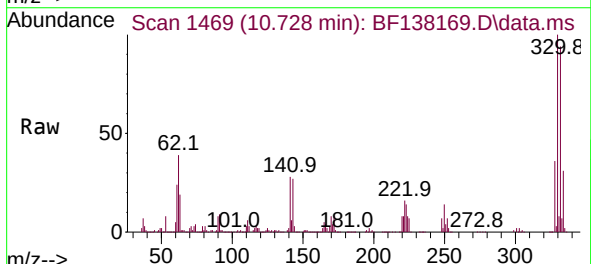
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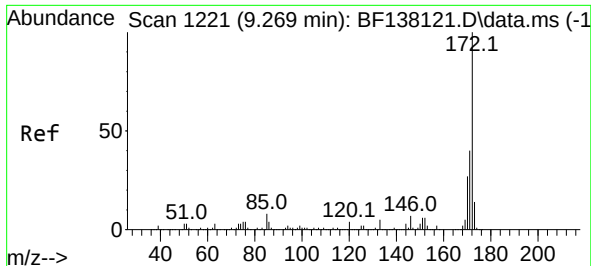
Tgt Ion:164 Resp: 883052
Ion Ratio Lower Upper
164 100
162 99.2 80.9 121.3
160 45.9 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 129.880 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.005 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

Tgt Ion:330 Resp: 1103751
Ion Ratio Lower Upper
330 100
332 95.5 75.8 113.8
141 26.8 23.2 34.8

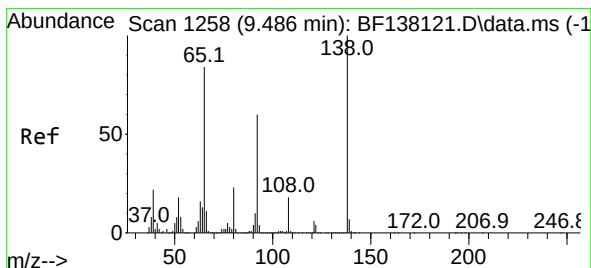
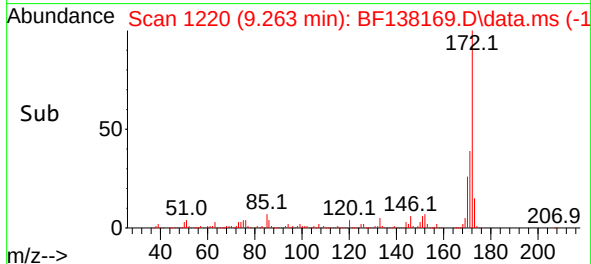
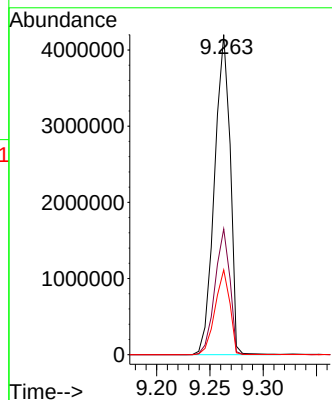
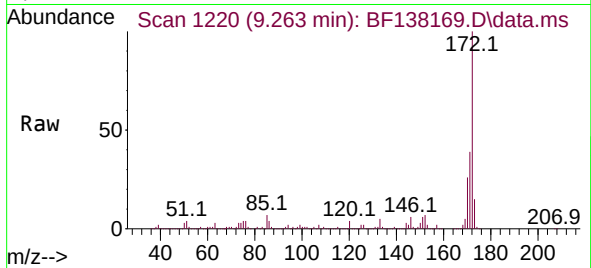




#45
2-Fluorobiphenyl
Concen: 84.619 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

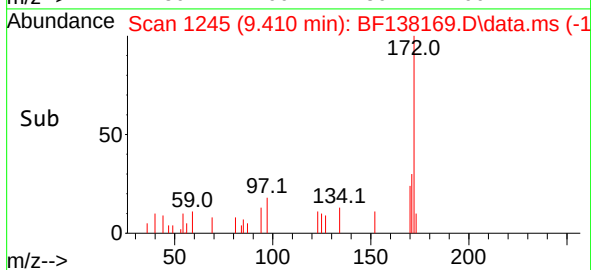
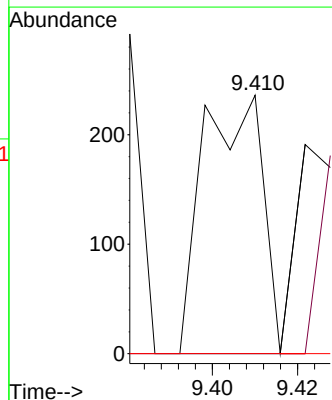
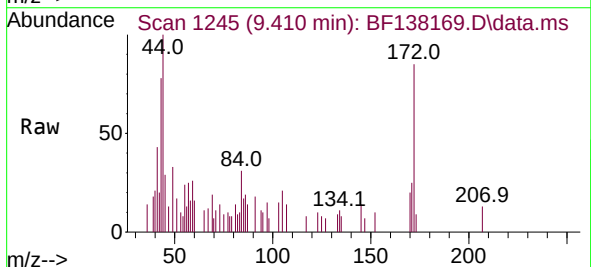
Instrument :
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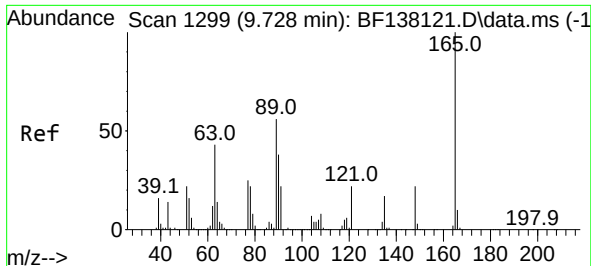
Tgt Ion:172 Resp: 4273451
Ion Ratio Lower Upper
172 100
171 39.3 31.6 47.4
170 26.5 21.4 32.2



#48
2-Nitroaniline
Concen: 4.814 ng
RT: 9.410 min Scan# 1245
Delta R.T. -0.076 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

Tgt Ion: 65 Resp: 229
Ion Ratio Lower Upper
65 100
92 0.0 57.3 85.9#
138 0.0 95.4 143.2#

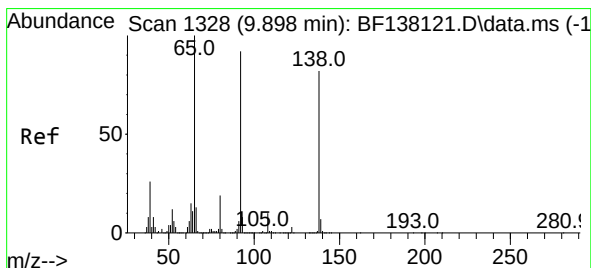
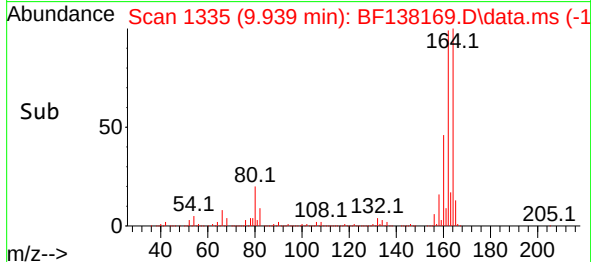
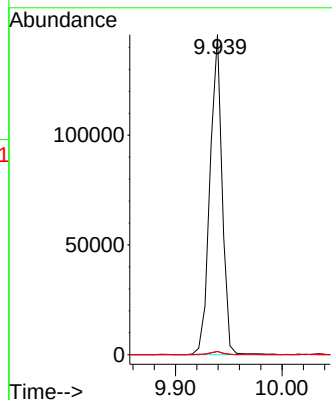
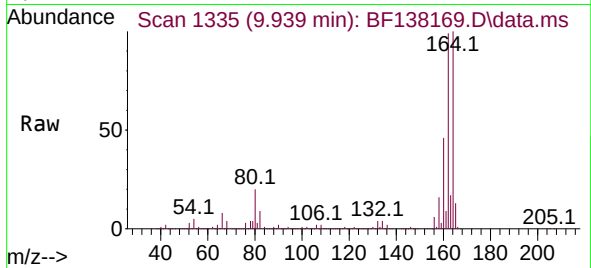




#51
2,6-Dinitrotoluene
Concen: 12.346 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

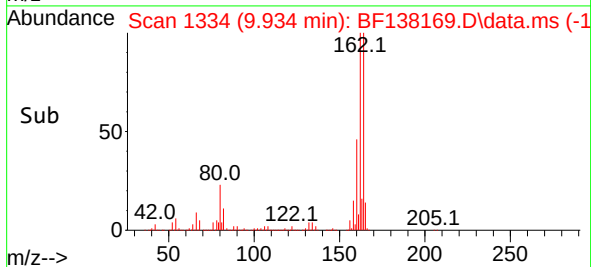
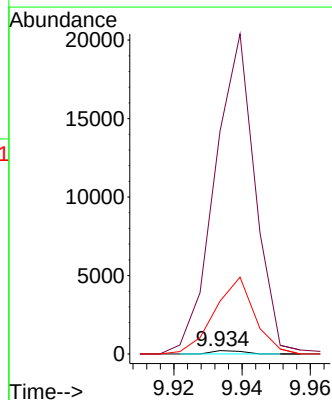
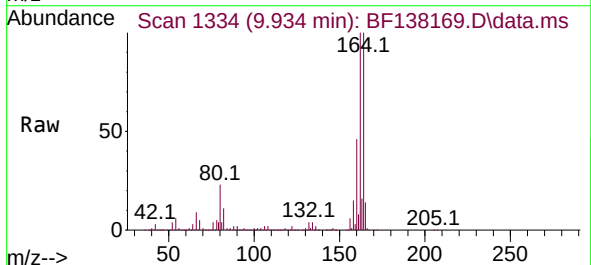
Instrument :
BNA_F
ClientSampleId :
MH-SLUDGE

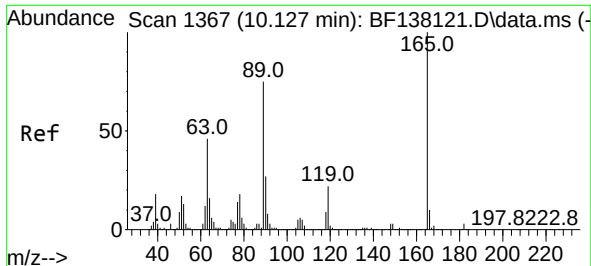
Tgt Ion:165 Resp: 115921
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 1.0 45.0 67.4#



#53
3-Nitroaniline
Concen: 2.955 ng
RT: 9.934 min Scan# 1334
Delta R.T. 0.036 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

Tgt Ion:138 Resp: 134
Ion Ratio Lower Upper
138 100
108 6638.3 10.3 15.5#
92 1570.6 89.5 134.3#

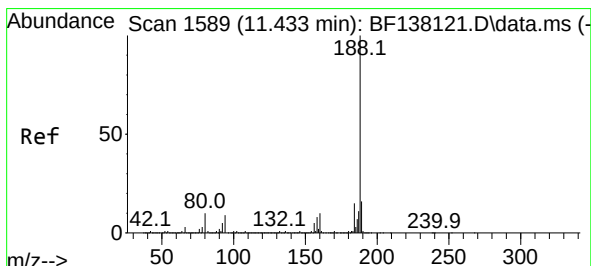
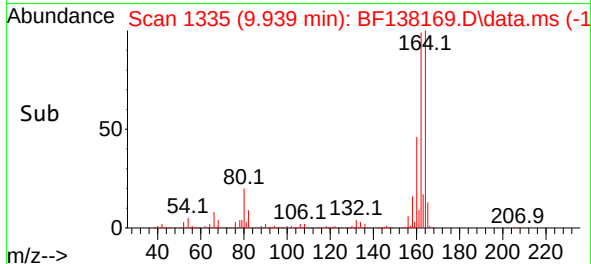
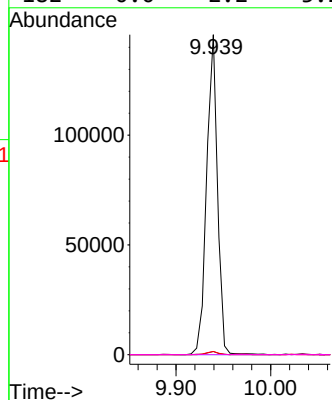
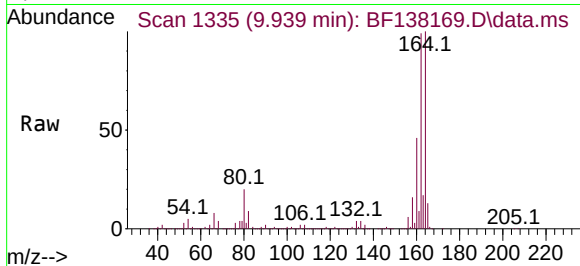




#57
2,4-Dinitrotoluene
Concen: 11.237 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

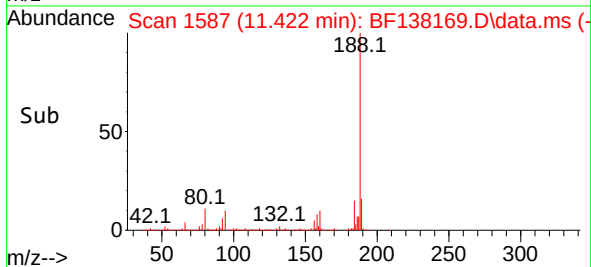
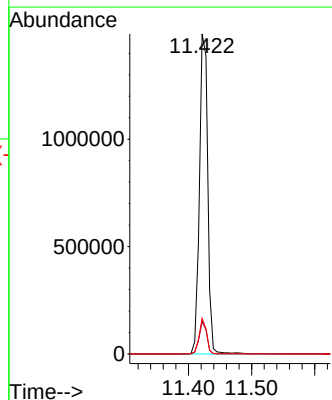
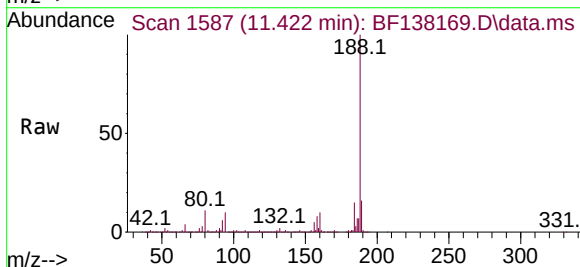
Instrument :
BNA_F
ClientSampleId :
MH-SLUDGE

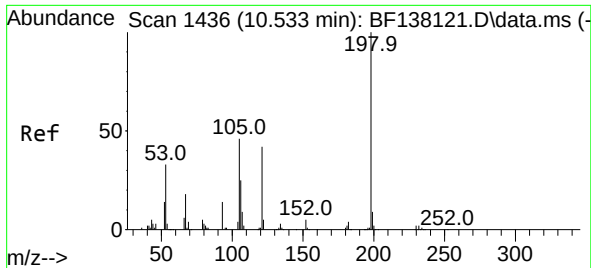
Tgt Ion:165 Resp: 115979
Ion Ratio Lower Upper
165 100
63 1.0 36.8 55.2#
89 1.0 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

Tgt Ion:188 Resp: 1353428
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.2
80 11.1 7.7 11.5

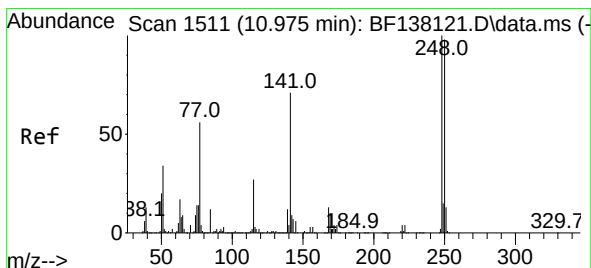
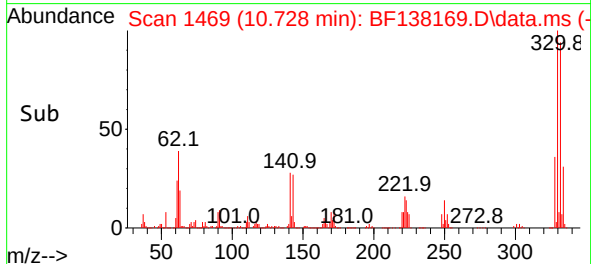
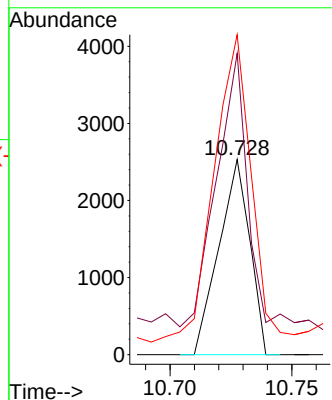
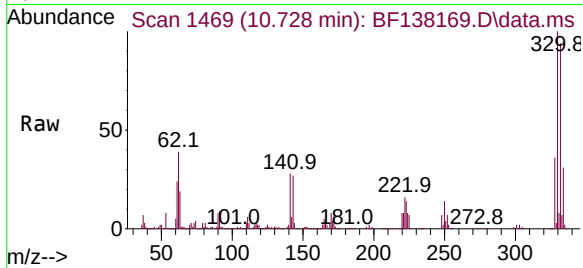




#65
4,6-Dinitro-2-methylphenol
Concen: 8.843 ng
RT: 10.728 min Scan# 1436
Delta R.T. 0.195 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

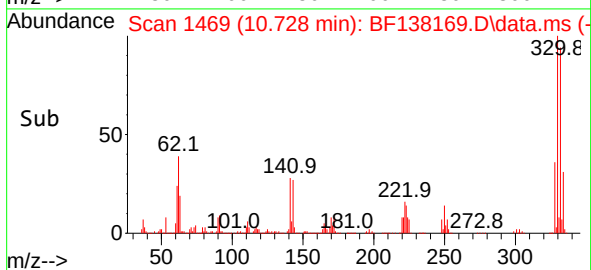
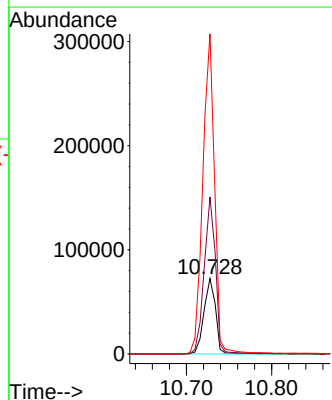
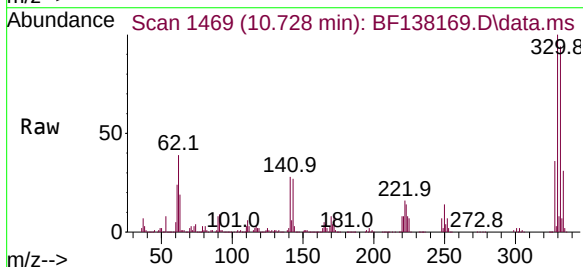
Instrument :
BNA_F
ClientSampleId :
MH-SLUDGE

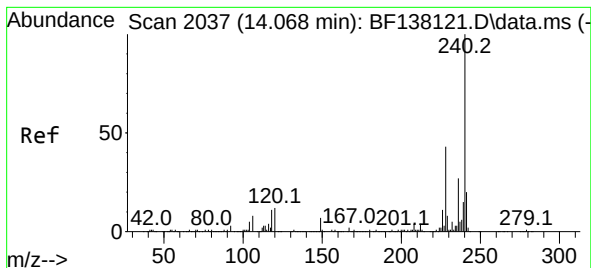
Tgt Ion:198 Resp: 2226
Ion Ratio Lower Upper
198 100
51 154.4 28.2 68.2#
105 163.9 26.8 66.8#



#67
4-Bromophenyl-phenylether
Concen: 4.443 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF138169.D
Acq: 07 Jun 2024 19:34

Tgt Ion:248 Resp: 68472
Ion Ratio Lower Upper
248 100
250 208.4 78.7 118.1#
141 424.8 56.5 84.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.005 min

Lab File: BF138169.D

Acq: 07 Jun 2024 19:34

Instrument :

BNA_F

ClientSampleId :

MH-SLUDGE

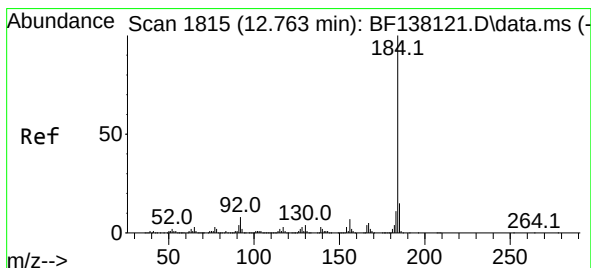
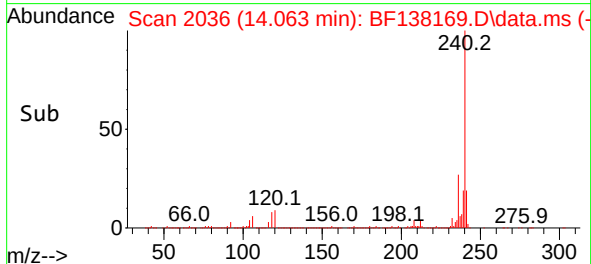
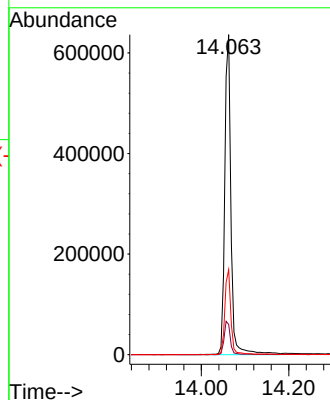
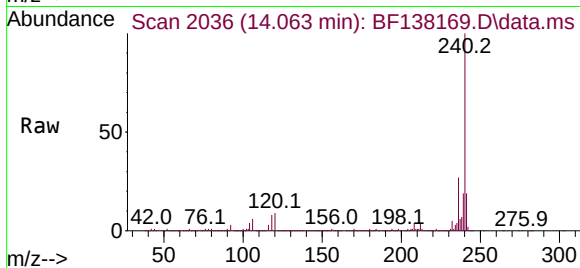
Tgt Ion:240 Resp: 619695

Ion Ratio Lower Upper

240 100

120 9.4 9.8 14.8#

236 26.5 21.2 31.8



#77

Benzidine

Concen: 14.335 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF138169.D

Acq: 07 Jun 2024 19:34

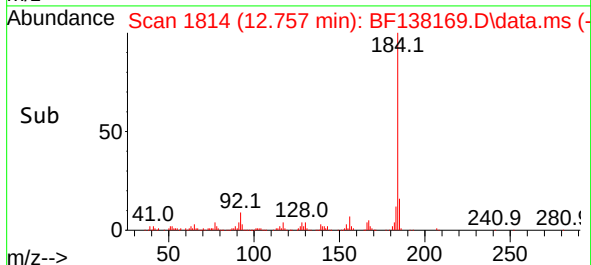
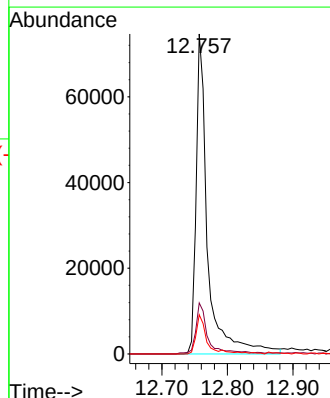
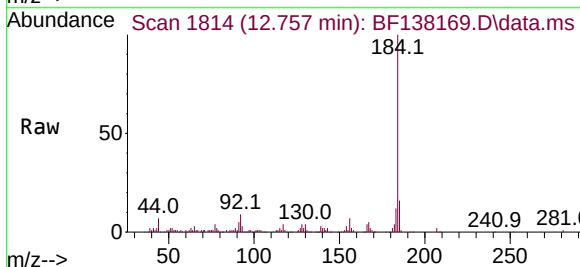
Tgt Ion:184 Resp: 91416

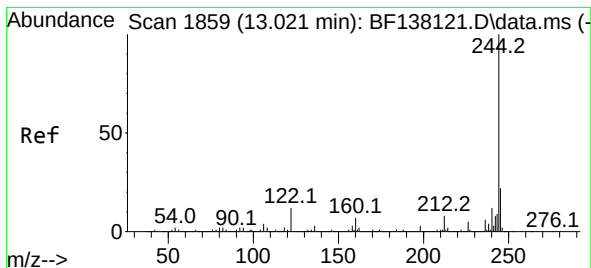
Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.2

183 12.3 9.0 13.4





#79

Terphenyl-d14

Concen: 89.924 ng

RT: 13.016 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138169.D

Acq: 07 Jun 2024 19:34

Instrument :

BNA_F

ClientSampleId :

MH-SLUDGE

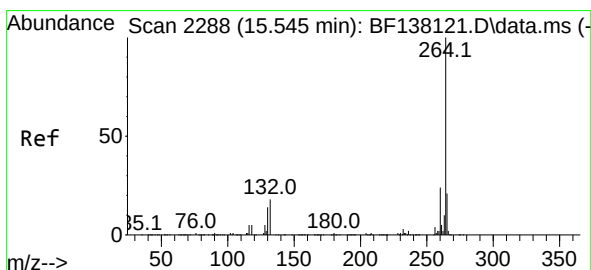
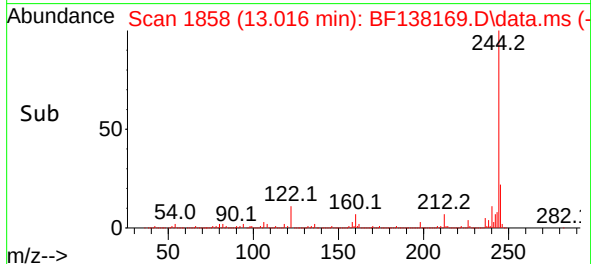
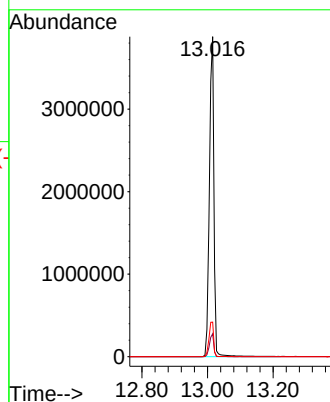
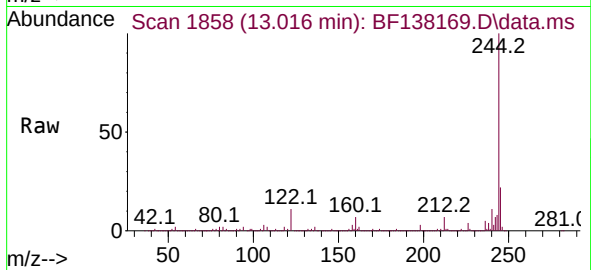
Tgt Ion:244 Resp: 3725612

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

122 10.8 9.4 14.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2287

Delta R.T. -0.006 min

Lab File: BF138169.D

Acq: 07 Jun 2024 19:34

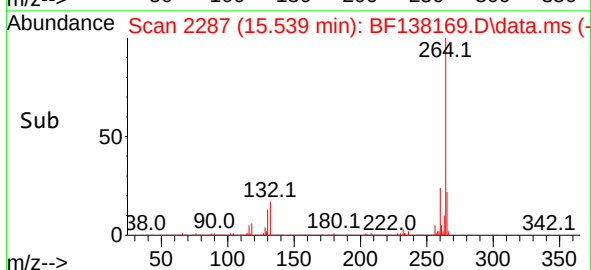
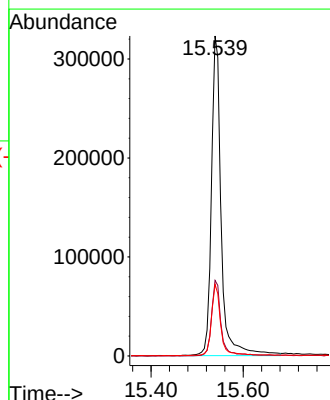
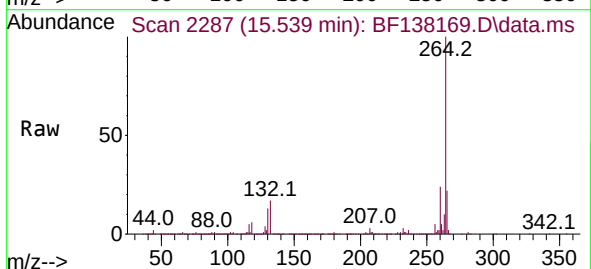
Tgt Ion:264 Resp: 476406

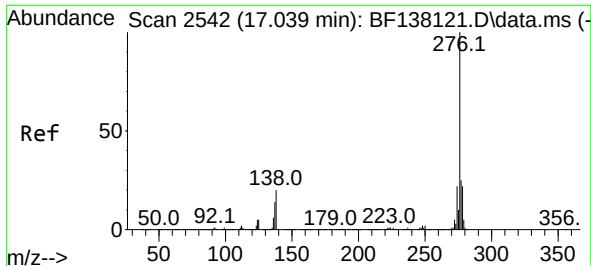
Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 22.4 17.1 25.7

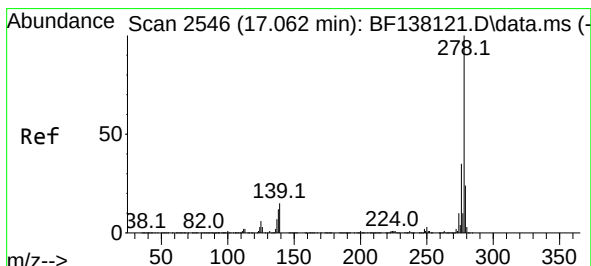
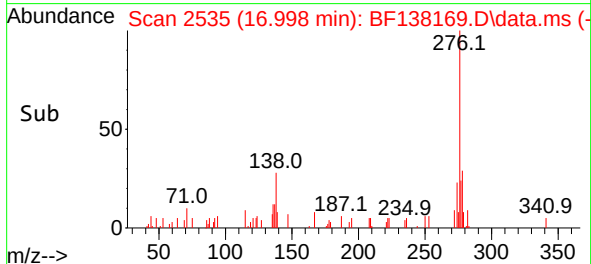
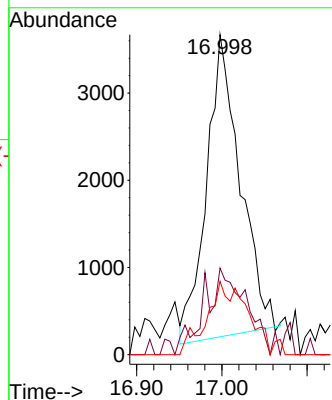
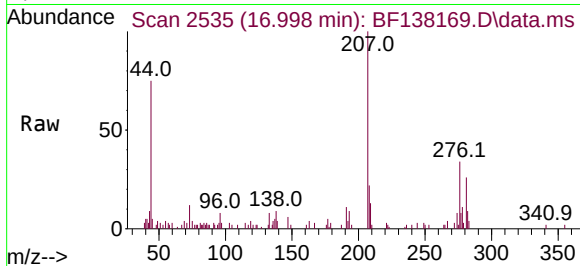




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.822 ng
 RT: 16.998 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BF138169.D
 Acq: 07 Jun 2024 19:34

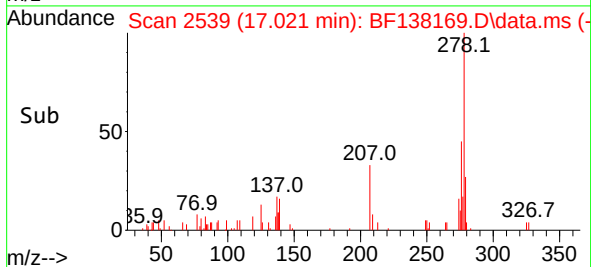
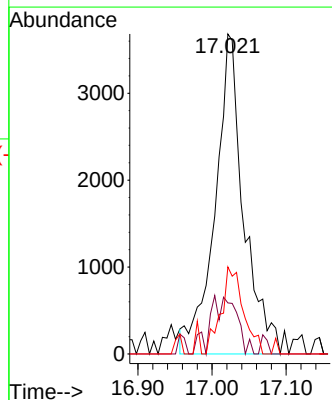
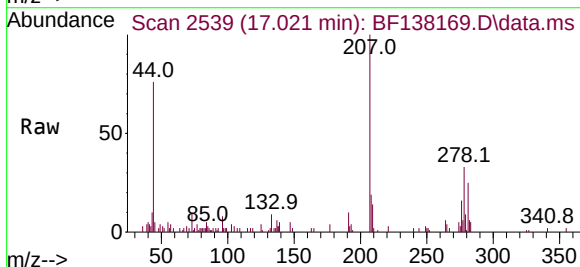
Instrument :
 BNA_F
 ClientSampleId :
 MH-SLUDGE

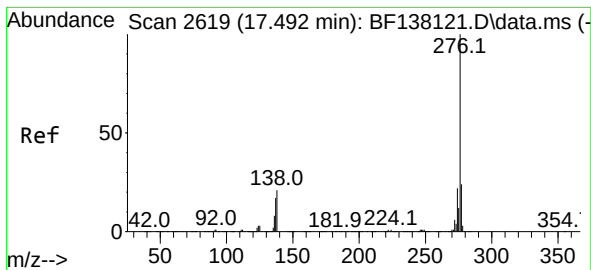
Tgt Ion:276 Resp: 9488
 Ion Ratio Lower Upper
 276 100
 138 25.4 18.9 28.3
 277 8.4 20.3 30.5#



#91
 Dibenzo(a,h)anthracene
 Concen: 4.093 ng
 RT: 17.021 min Scan# 2539
 Delta R.T. -0.041 min
 Lab File: BF138169.D
 Acq: 07 Jun 2024 19:34

Tgt Ion:278 Resp: 9834
 Ion Ratio Lower Upper
 278 100
 139 16.0 11.7 17.5
 279 27.2 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 3.301 ng

RT: 17.445 min Scan# 20

Delta R.T. -0.047 min

Lab File: BF138169.D

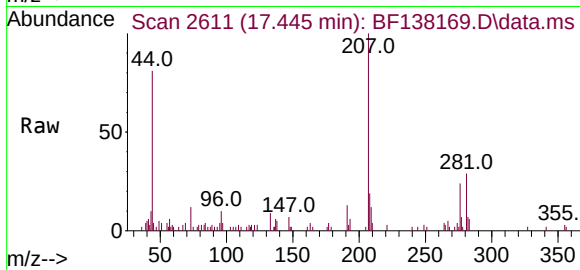
Acq: 07 Jun 2024 19:34

Instrument :

BNA_F

ClientSampleId :

MH-SLUDGE



Tgt Ion:276 Resp: 7283

Ion Ratio Lower Upper

276 100

277 27.9 19.0 28.4

138 20.0 16.5 24.7

