

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072223\
 Data File : BF134418.D
 Acq On : 22 Jul 2023 12:51
 Operator : CG\JU
 Sample : 03668-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-DRUM

Quant Time: Jul 22 13:55:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

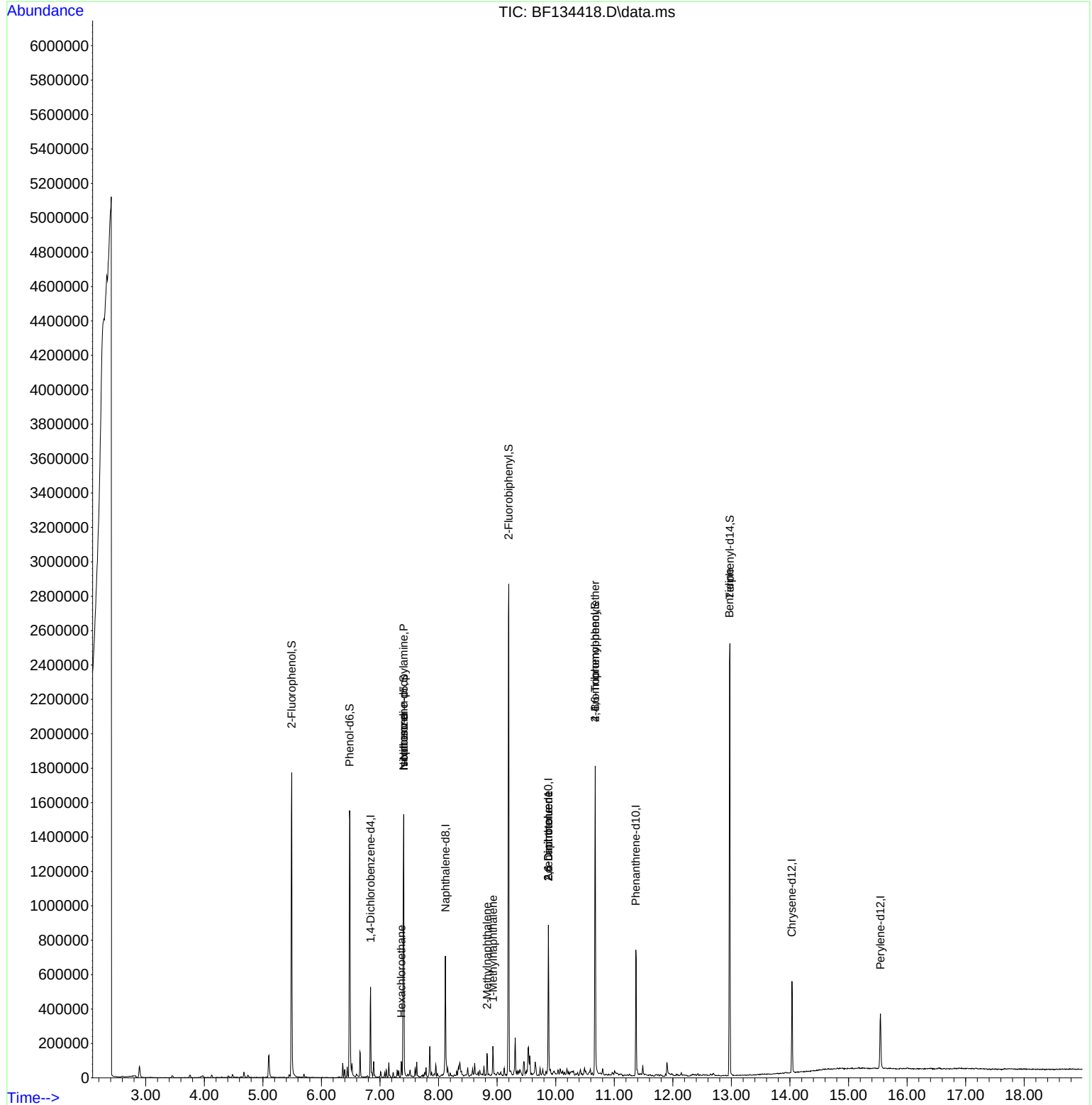
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	74165	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	282562	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	150242	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	274986	20.000	ng	0.00
76) Chrysene-d12	14.033	240	182056	20.000	ng	0.00
86) Perylene-d12	15.545	264	160431	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	468956	105.772	ng	0.02
7) Phenol-d6	6.481	99	561981	103.068	ng	0.00
23) Nitrobenzene-d5	7.404	82	465501	88.805	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	232866	123.619	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	893530	86.467	ng	0.00
79) Terphenyl-d14	12.974	244	945674	83.600	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.398	77	2049	Below Cal	#	1
18) Hexachloroethane	7.363	117	6784	3.775 ng	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	67160	19.423 ng	#	73
25) Isophorone	7.404	82	465497	48.863 ng	#	64
37) 2-Methylnaphthalene	8.828	142	32704	3.388 ng		99
38) 1-Methylnaphthalene	8.928	142	35143	3.917 ng		97
51) 2,6-Dinitrotoluene	9.875	165	19385	8.252 ng	#	28
57) 2,4-Dinitrotoluene	9.875	165	19385	6.249 ng	#	26
67) 4-Bromophenyl-phenylether	10.674	248	14228	4.868 ng	#	1
77) Benzidine	12.968	184	13667	3.155 ng	#	91

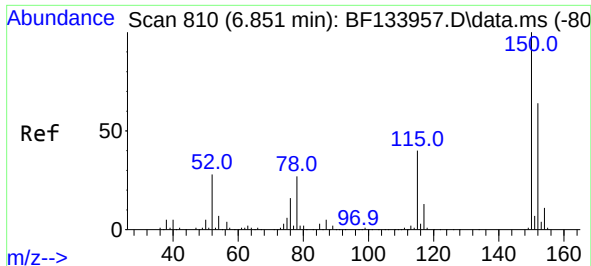
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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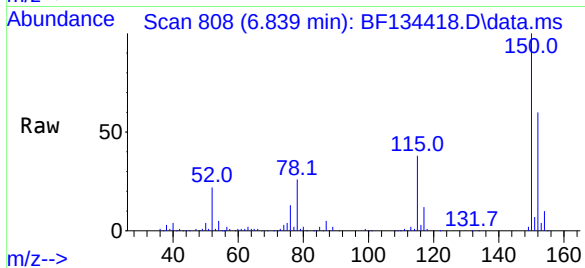
Quant Time: Jul 22 13:55:05 2023
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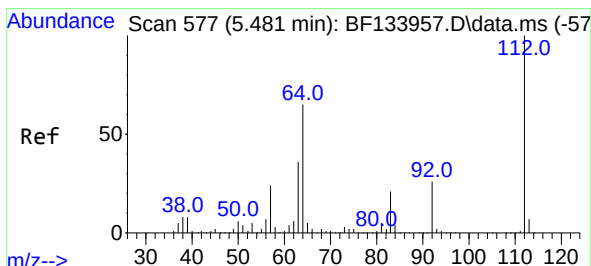
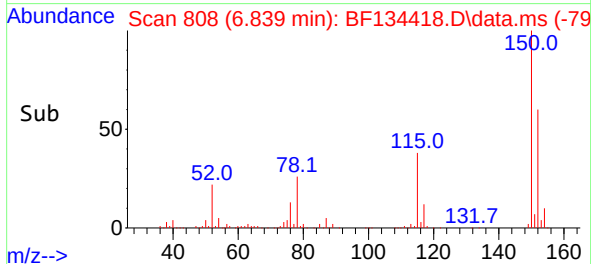
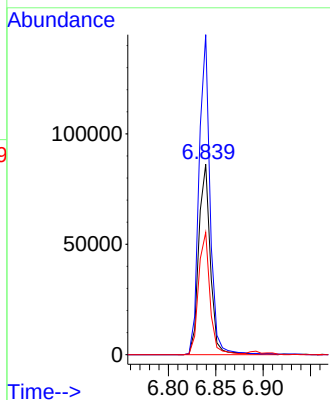


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134418.D
Acq: 22 Jul 2023 12:51

Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUM

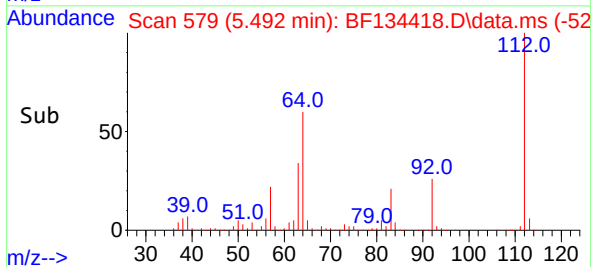
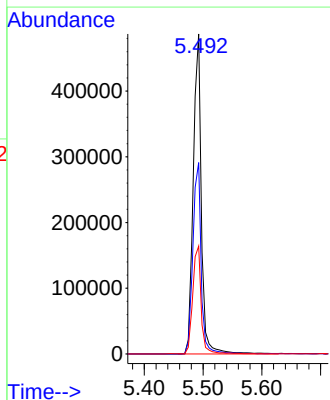
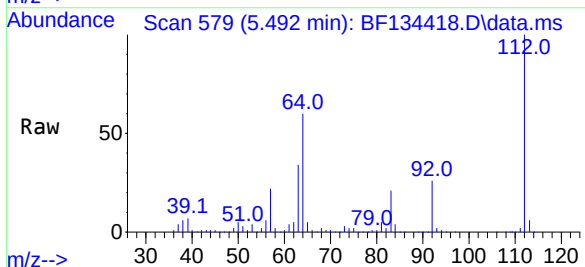


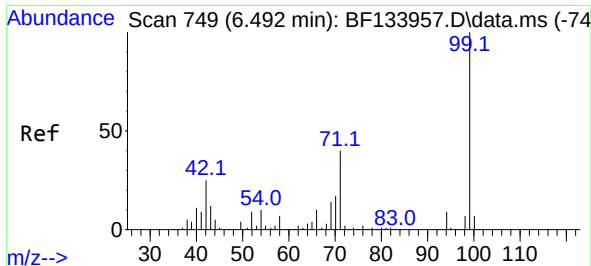
Tgt Ion:152 Resp: 74165
Ion Ratio Lower Upper
152 100
150 168.1 124.5 186.7
115 64.2 50.2 75.2



#5
2-Fluorophenol
Concen: 105.772 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.024 min
Lab File: BF134418.D
Acq: 22 Jul 2023 12:51

Tgt Ion:112 Resp: 468956
Ion Ratio Lower Upper
112 100
64 59.8 52.1 78.1
63 33.7 28.6 42.8

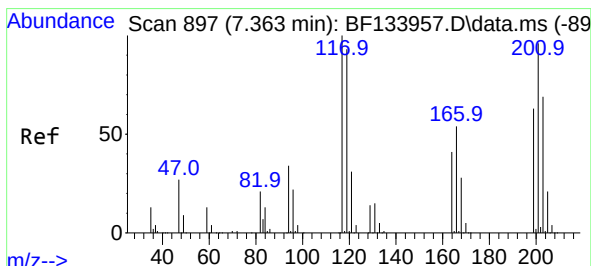
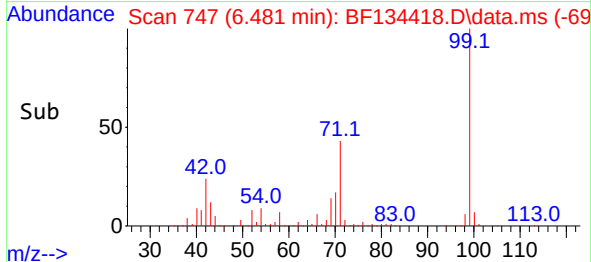
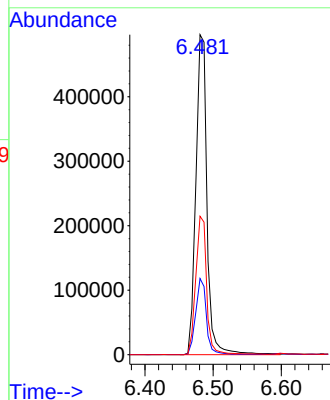
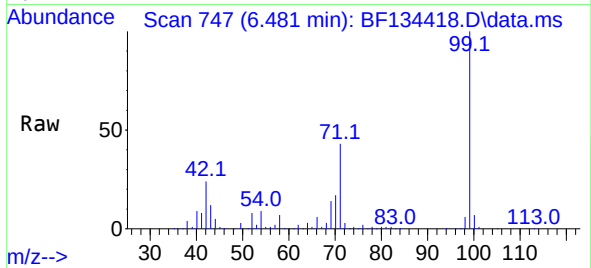




#7
Phenol-d6
Concen: 103.068 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134418.D
Acq: 22 Jul 2023 12:51

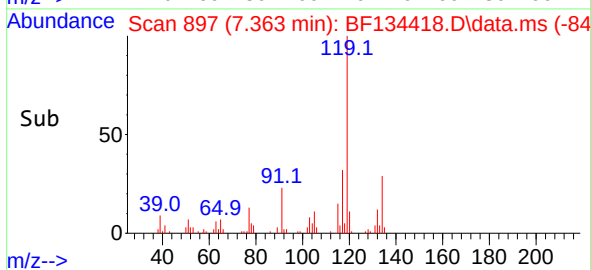
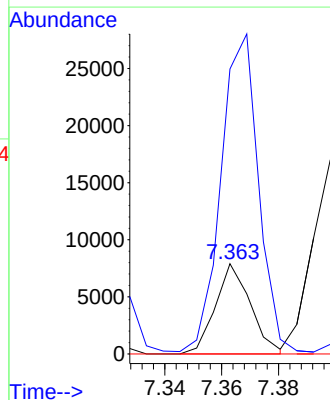
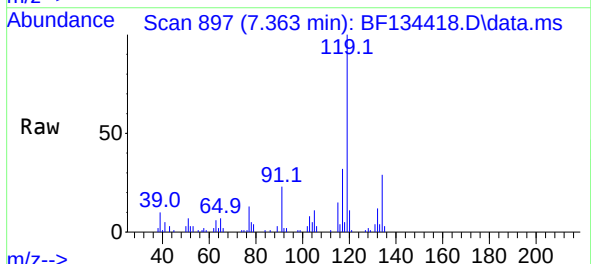
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUM

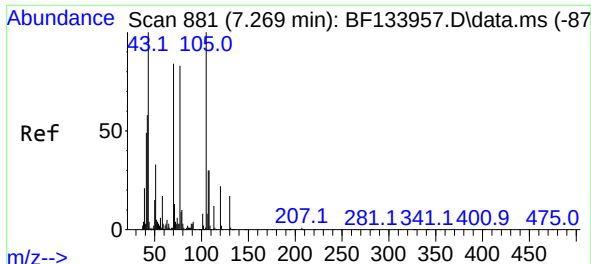
Tgt Ion: 99 Resp: 561981
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 43.2 31.9 47.9



#18
Hexachloroethane
Concen: 3.775 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.012 min
Lab File: BF134418.D
Acq: 22 Jul 2023 12:51

Tgt Ion: 117 Resp: 6784
Ion Ratio Lower Upper
117 100
119 315.5 74.2 111.4#
201 0.0 77.2 115.8#





#19

n-Nitroso-di-n-propylamine

Concen: 19.423 ng

RT: 7.404 min Scan# 90

Delta R.T. 0.147 min

Lab File: BF134418.D

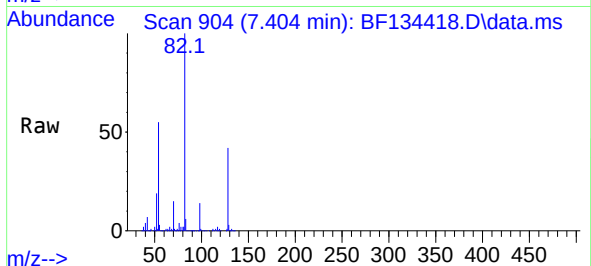
Acq: 22 Jul 2023 12:51

Instrument :

BNA_F

ClientSampleId :

SLUDGE-DRUM



Tgt Ion: 70 Resp: 67160

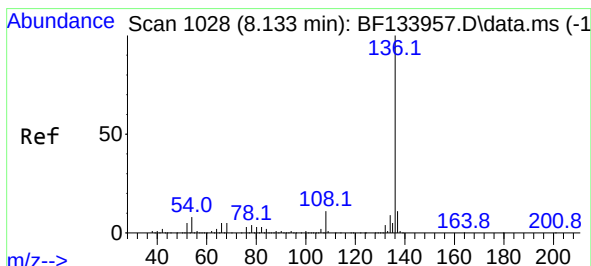
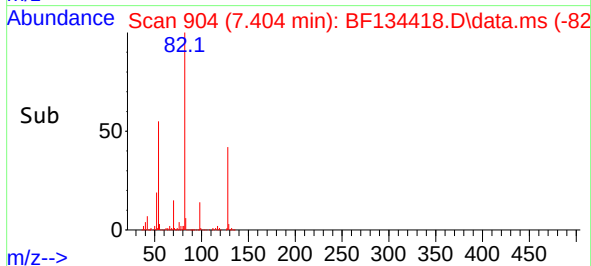
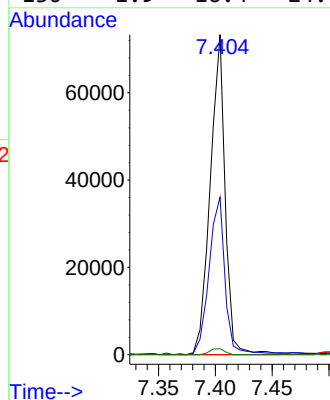
Ion Ratio Lower Upper

70 100

42 49.2 54.7 82.1#

101 0.0 7.7 11.5#

130 1.9 16.4 24.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1025

Delta R.T. -0.006 min

Lab File: BF134418.D

Acq: 22 Jul 2023 12:51

Tgt Ion: 136 Resp: 282562

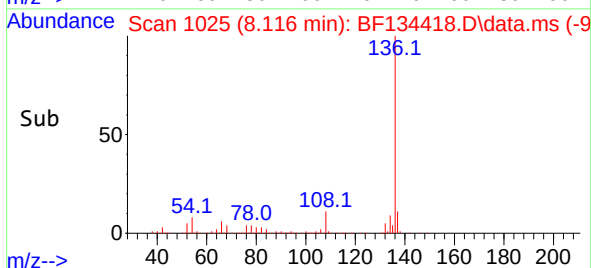
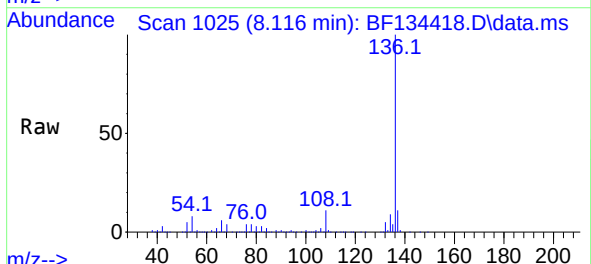
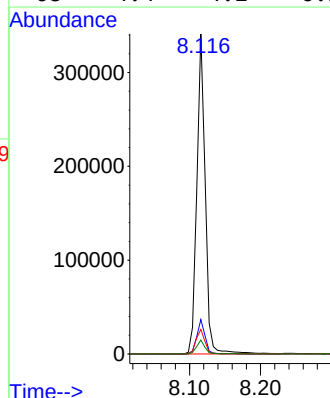
Ion Ratio Lower Upper

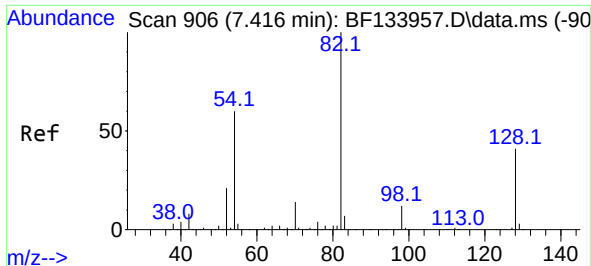
136 100

137 10.7 8.6 12.8

54 7.7 6.5 9.7

68 4.4 4.2 6.2





#23

Nitrobenzene-d5

Concen: 88.805 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF134418.D

Acq: 22 Jul 2023 12:51

Instrument :

BNA_F

ClientSampleId :

SLUDGE-DRUM

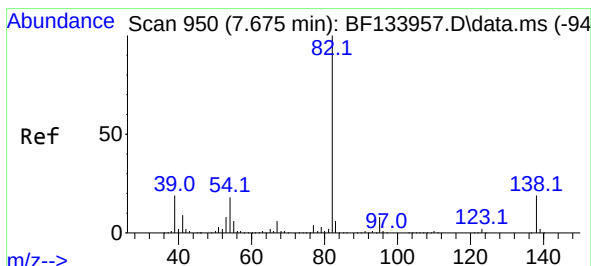
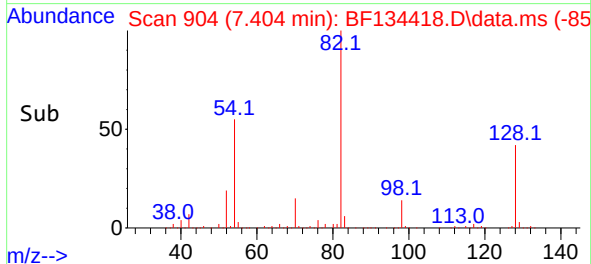
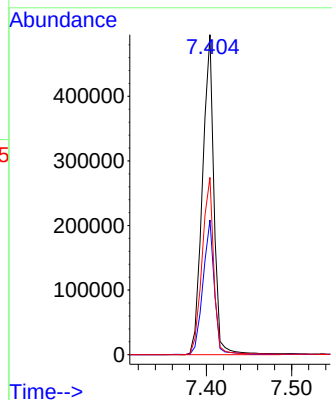
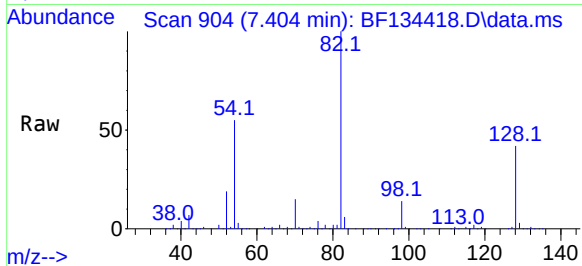
Tgt Ion: 82 Resp: 465501

Ion Ratio Lower Upper

82 100

128 42.1 32.5 48.7

54 55.4 48.2 72.2



#25

Isophorone

Concen: 48.863 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.259 min

Lab File: BF134418.D

Acq: 22 Jul 2023 12:51

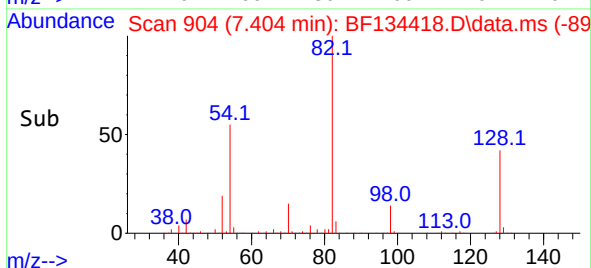
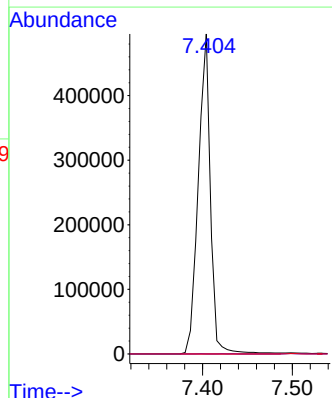
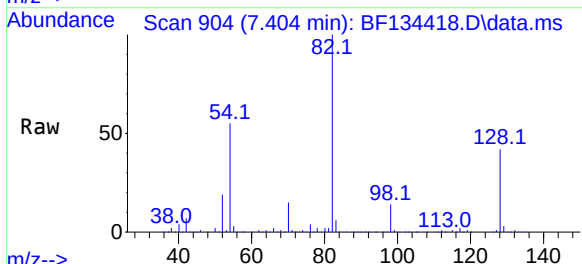
Tgt Ion: 82 Resp: 465497

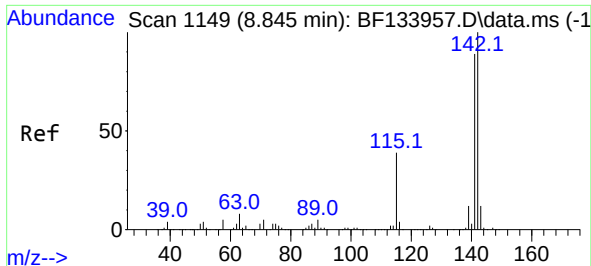
Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

138 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 3.388 ng

RT: 8.828 min Scan# 1146

Delta R.T. -0.012 min

Lab File: BF134418.D

Acq: 22 Jul 2023 12:51

Instrument :

BNA_F

ClientSampleId :

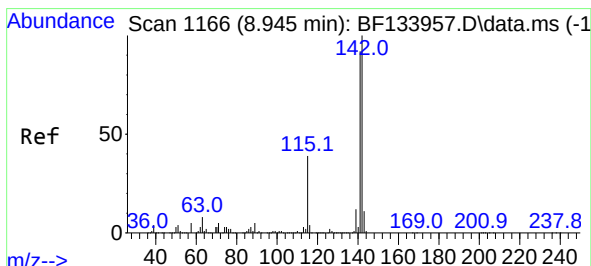
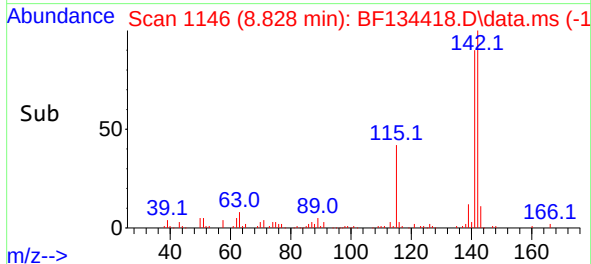
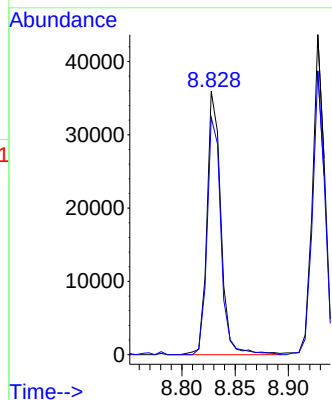
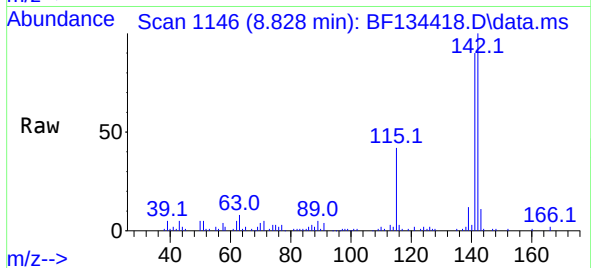
SLUDGE-DRUM

Tgt Ion:142 Resp: 32704

Ion Ratio Lower Upper

142 100

141 90.1 71.0 106.4



#38

1-Methylnaphthalene

Concen: 3.917 ng

RT: 8.928 min Scan# 1163

Delta R.T. -0.012 min

Lab File: BF134418.D

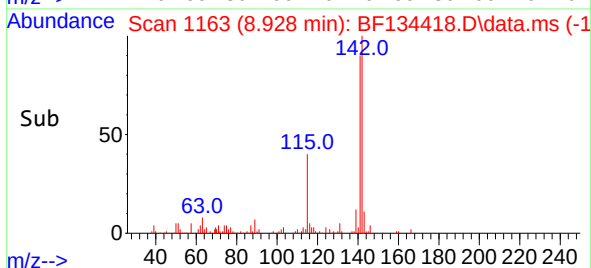
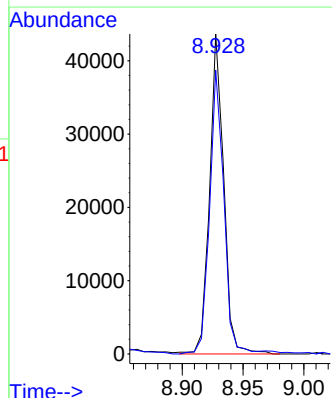
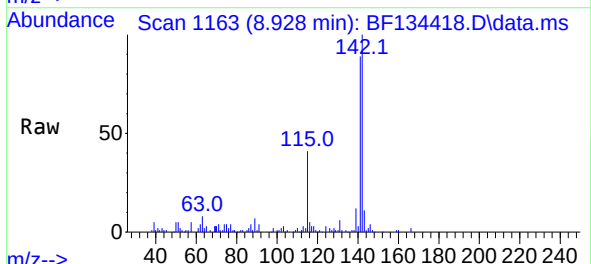
Acq: 22 Jul 2023 12:51

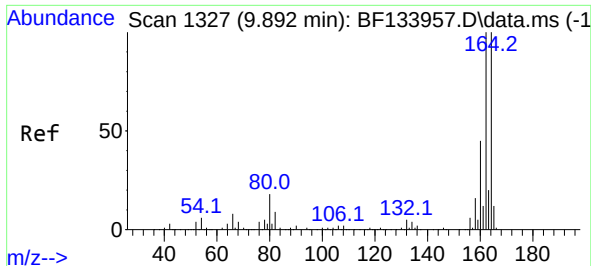
Tgt Ion:142 Resp: 35143

Ion Ratio Lower Upper

142 100

141 88.7 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134418.D

Acq: 22 Jul 2023 12:51

Instrument :

BNA_F

ClientSampleId :

SLUDGE-DRUM

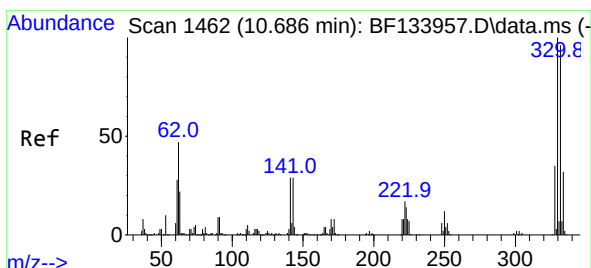
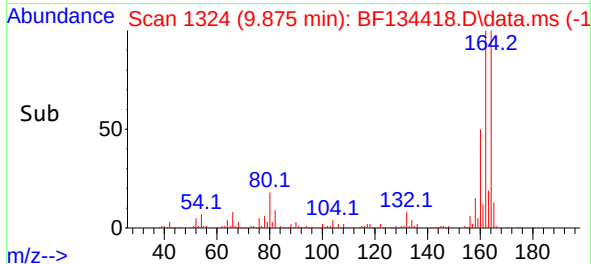
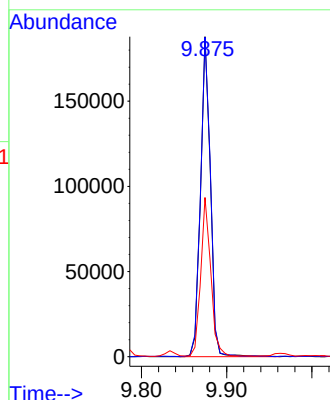
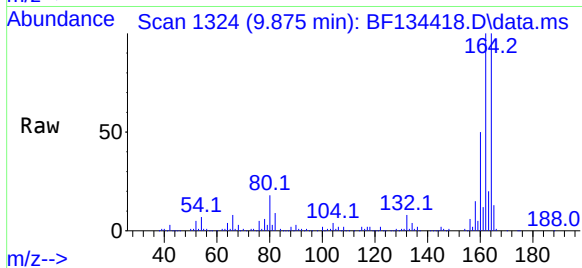
Tgt Ion:164 Resp: 150242

Ion Ratio Lower Upper

164 100

162 99.9 80.0 120.0

160 49.7 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 123.619 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF134418.D

Acq: 22 Jul 2023 12:51

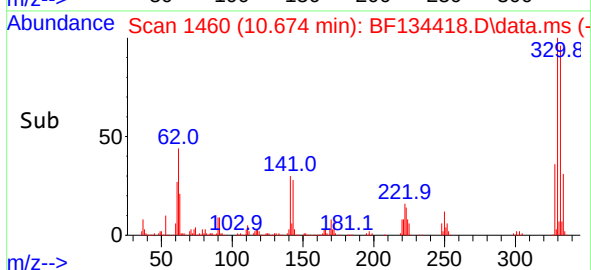
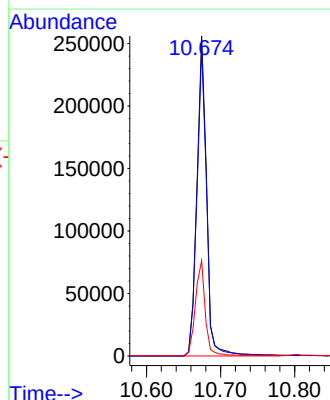
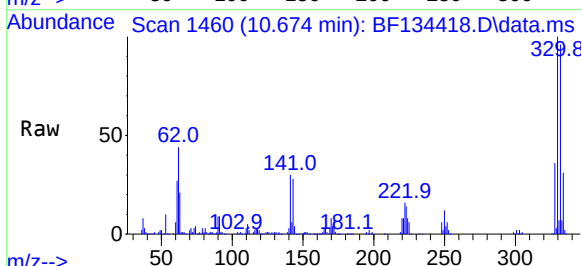
Tgt Ion:330 Resp: 232866

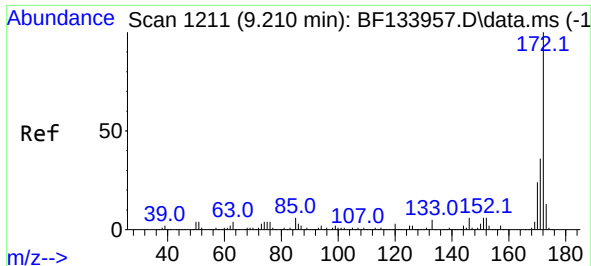
Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

141 30.2 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 86.467 ng

RT: 9.198 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134418.D

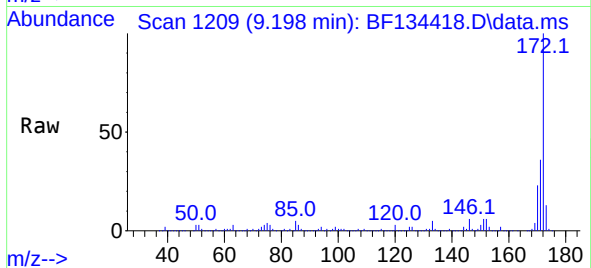
Acq: 22 Jul 2023 12:51

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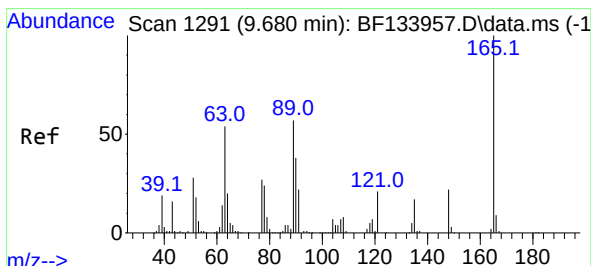
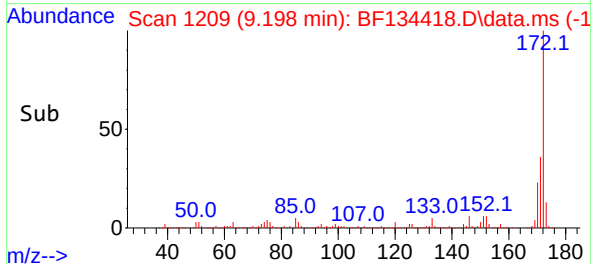
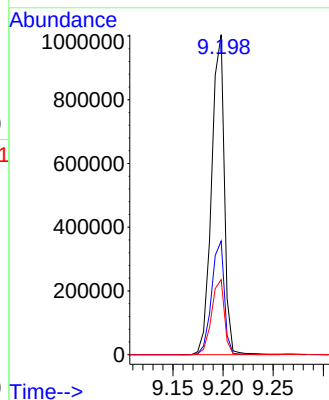
Tgt Ion:172 Resp: 893530

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

170 23.4 19.4 29.0



#51

2,6-Dinitrotoluene

Concen: 8.252 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.200 min

Lab File: BF134418.D

Acq: 22 Jul 2023 12:51

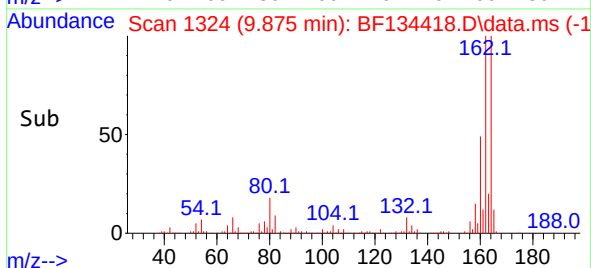
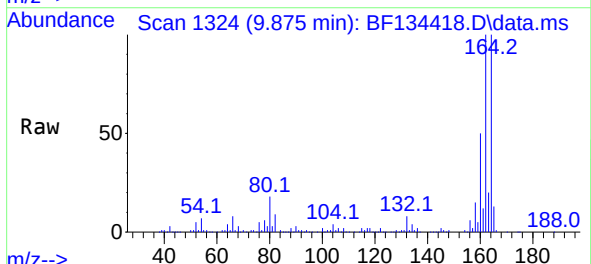
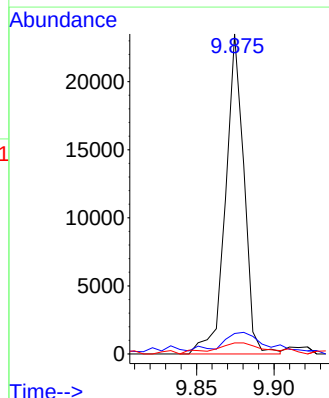
Tgt Ion:165 Resp: 19385

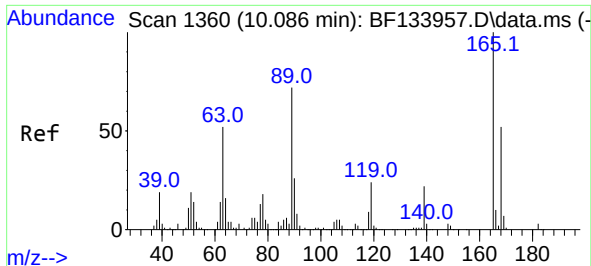
Ion Ratio Lower Upper

165 100

63 6.4 48.5 72.7#

89 3.5 45.5 68.3#

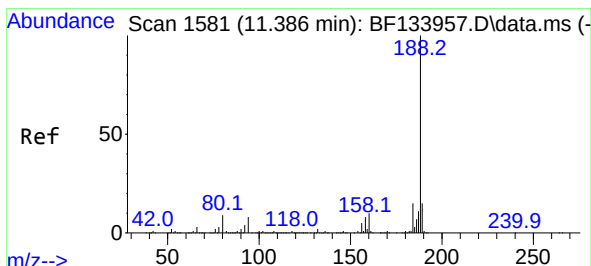
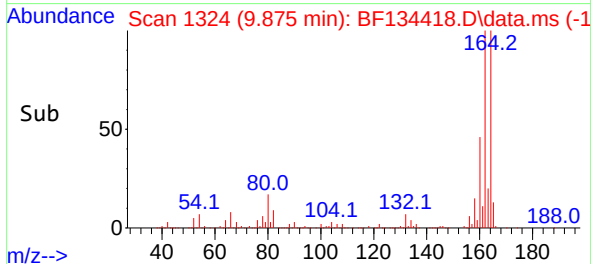
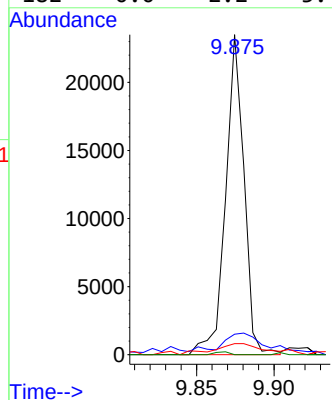
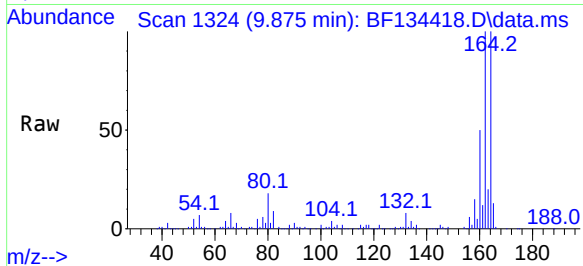




#57
2,4-Dinitrotoluene
Concen: 6.249 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF134418.D
Acq: 22 Jul 2023 12:51

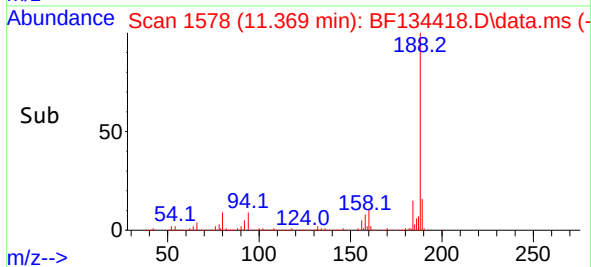
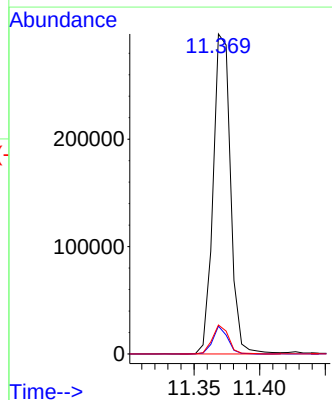
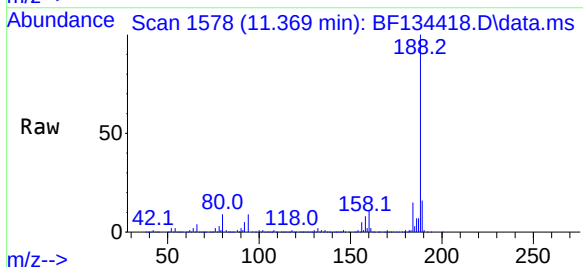
Instrument :
BNA_F
ClientSampleId :
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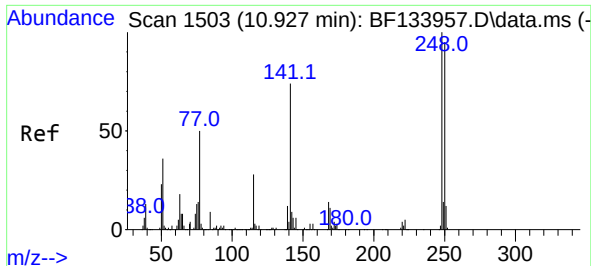
Tgt Ion:	165	Resp:	19385
Ion	Ratio	Lower	Upper
165	100		
63	6.4	42.2	63.2#
89	3.5	57.4	86.2#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134418.D
Acq: 22 Jul 2023 12:51

Tgt Ion:	188	Resp:	274986
Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.4	9.6
80	9.1	7.3	10.9

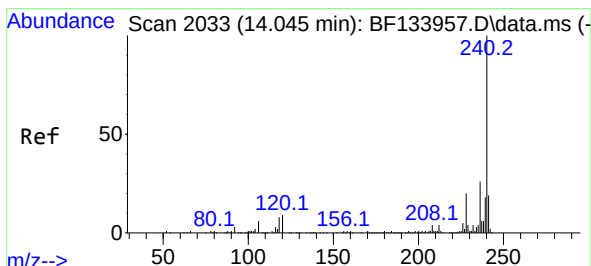
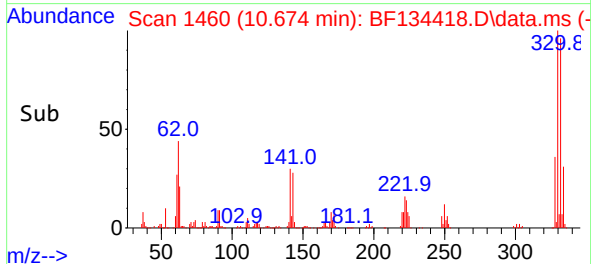
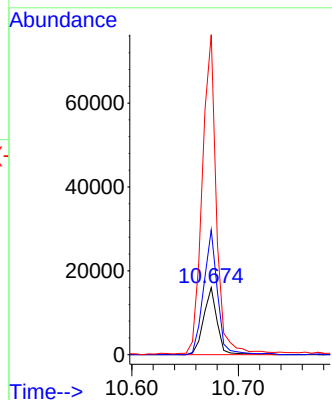
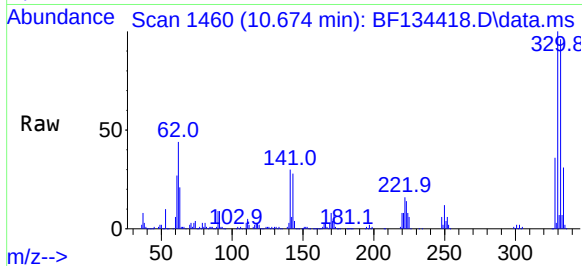




#67
4-Bromophenyl-phenylether
Concen: 4.868 ng
RT: 10.674 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF134418.D
Acq: 22 Jul 2023 12:51

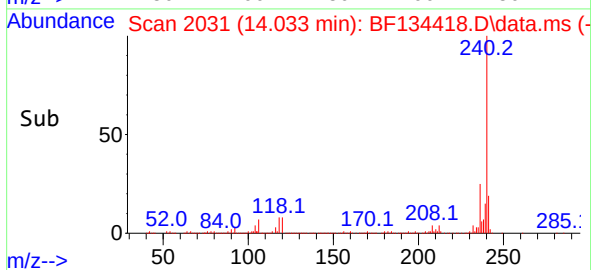
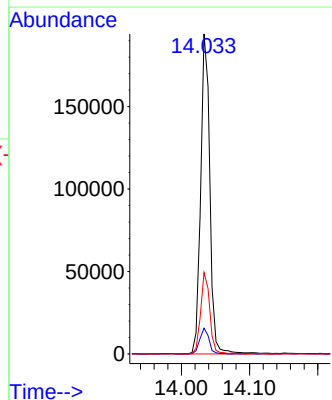
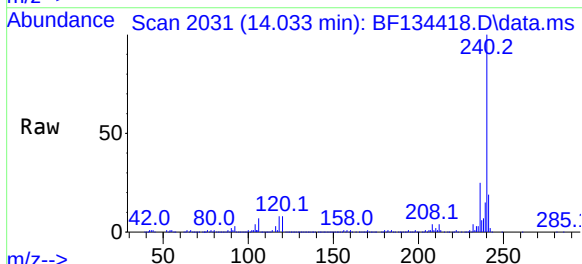
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUM

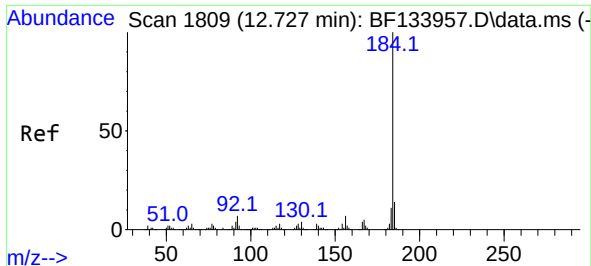
Tgt Ion:248 Resp: 14228
Ion Ratio Lower Upper
248 100
250 186.3 76.2 114.4#
141 477.8 59.0 88.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134418.D
Acq: 22 Jul 2023 12:51

Tgt Ion:240 Resp: 182056
Ion Ratio Lower Upper
240 100
120 8.1 7.4 11.0
236 25.4 21.0 31.6

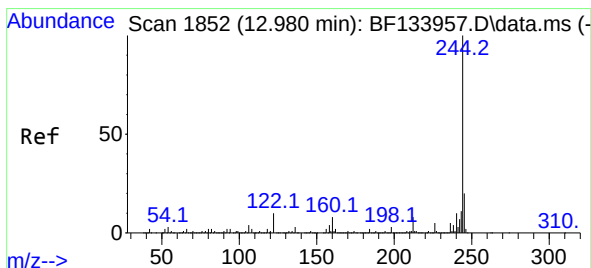
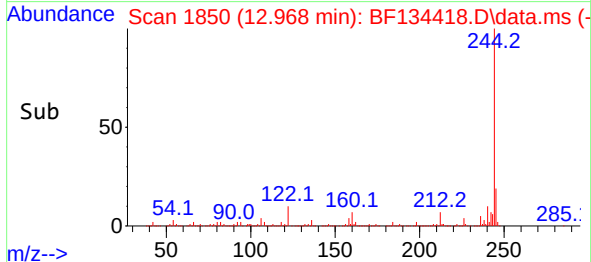
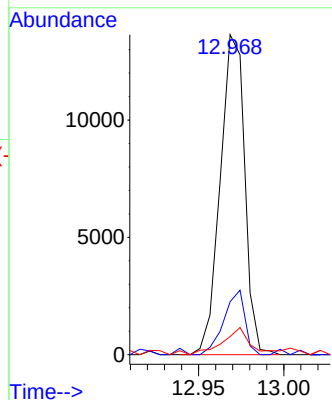
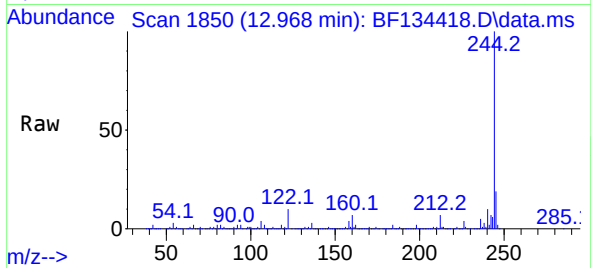




#77
Benzidine
Concen: 3.155 ng
RT: 12.968 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF134418.D
Acq: 22 Jul 2023 12:51

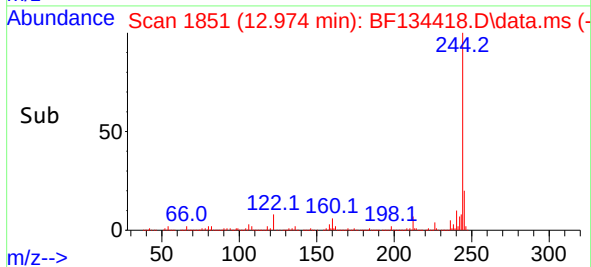
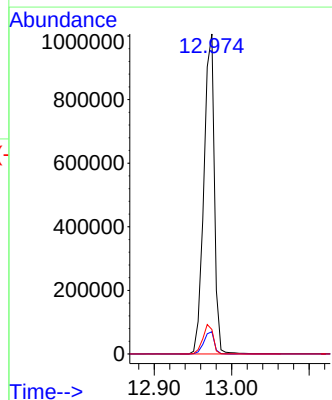
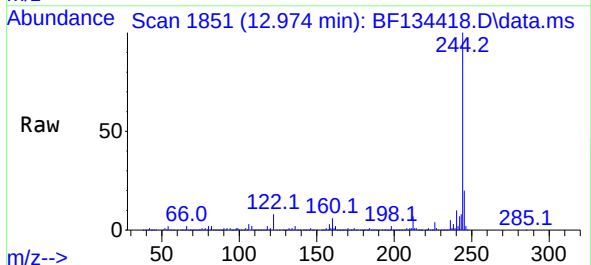
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUM

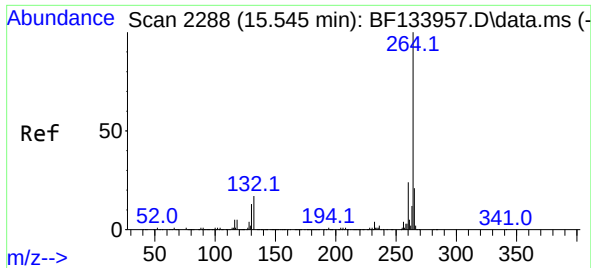
Tgt Ion:184 Resp: 13667
Ion Ratio Lower Upper
184 100
185 16.5 11.6 17.4
183 5.6 8.8 13.2#



#79
Terphenyl-d14
Concen: 83.600 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.000 min
Lab File: BF134418.D
Acq: 22 Jul 2023 12:51

Tgt Ion:244 Resp: 945674
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 7.6 8.3 12.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF134418.D
 Acq: 22 Jul 2023 12:51

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-DRUM

Tgt Ion:264 Resp: 160431
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.5 29.3
 265 21.4 16.6 25.0

