

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072623\
 Data File : BF134498.D
 Acq On : 27 Jul 2023 00:00
 Operator : CG\JU
 Sample : 03668-01DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-DRUMDL

Quant Time: Jul 27 01:59:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

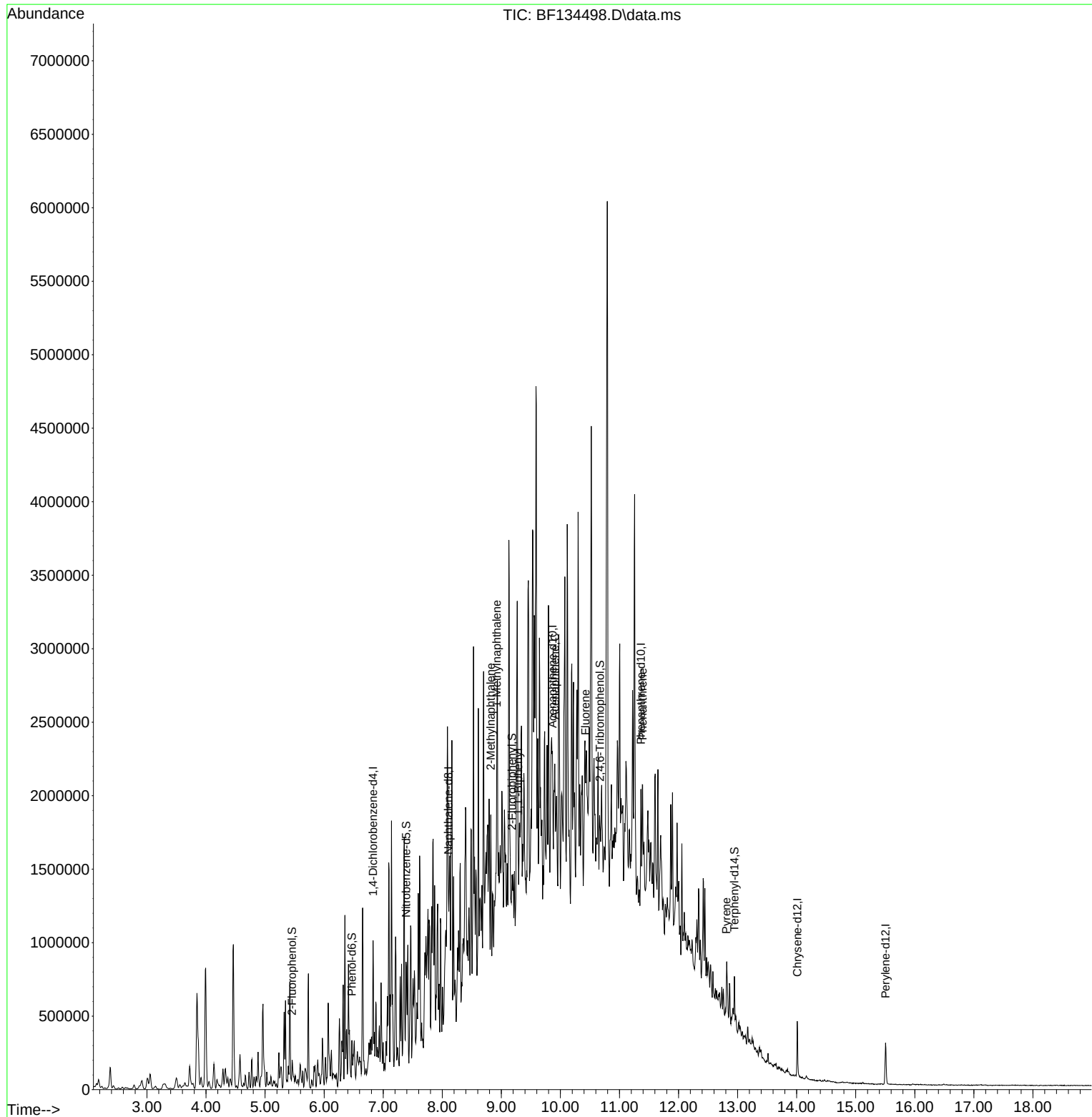
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	51160	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	192215	20.000	ng	#-0.01
39) Acenaphthene-d10	9.869	164	100614	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	169369	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	125494	20.000	ng	-0.02
86) Perylene-d12	15.504	264	137694	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	59702	19.280	ng	-0.01
7) Phenol-d6	6.469	99	72067	18.996	ng	-0.01
23) Nitrobenzene-d5	7.387	82	45595	12.001	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	15298	10.701	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	90255	11.776	ng	-0.01
79) Terphenyl-d14	12.945	244	81674	11.361	ng	-0.02
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.822	142	236006	35.507	ng	97
38) 1-Methylnaphthalene	8.922	142	219089	35.530	ng	94
46) 1,1'-Biphenyl	9.286	154	24821	2.993	ng	89
52) Acenaphthene	9.904	154	39614	6.493	ng	# 65
58) Fluorene	10.422	166	109133	14.406	ng	# 94
71) Phenanthrene	11.392	178	296426	33.497	ng	# 96
78) Pyrene	12.810	202	61480	6.161	ng	# 95

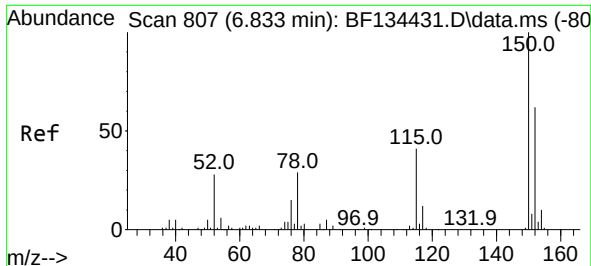
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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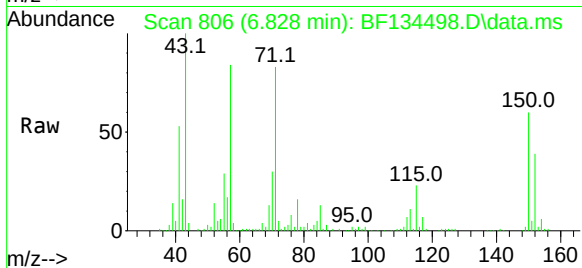
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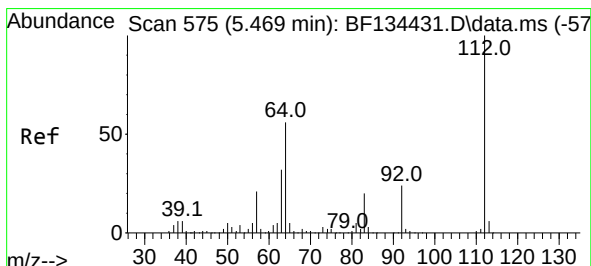
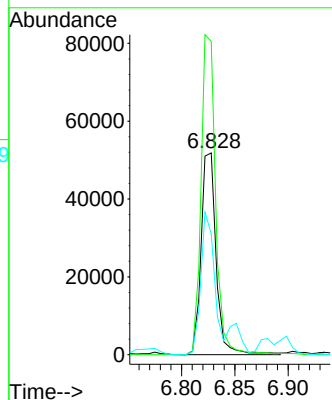
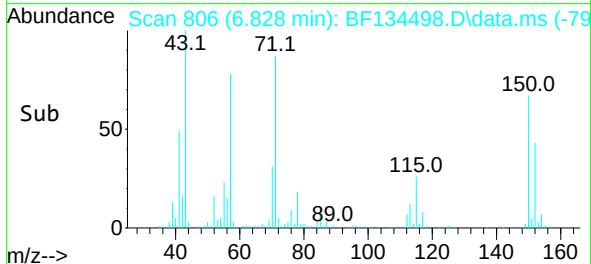


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 807
Delta R.T. -0.005 min
Lab File: BF134498.D
Acq: 27 Jul 2023 00:00

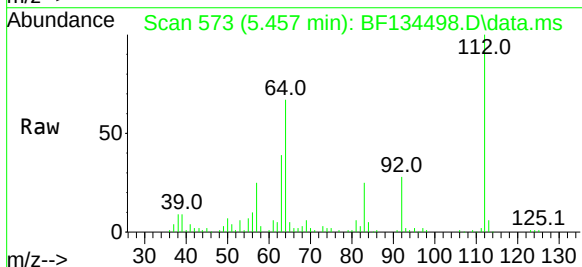
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMDL



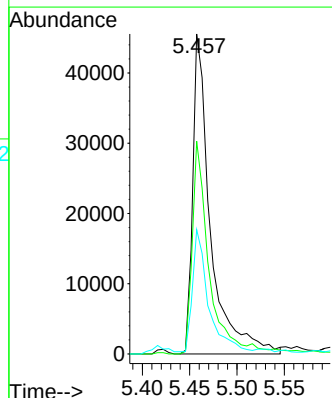
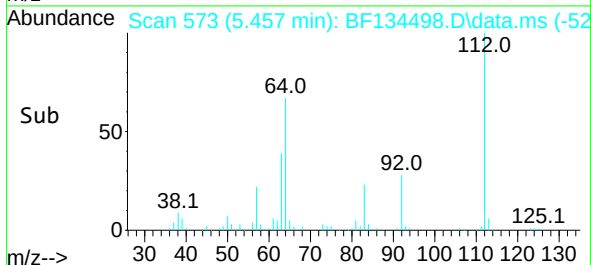
Tgt Ion:152 Resp: 51160
Ion Ratio Lower Upper
152 100
150 155.1 128.3 192.5
115 59.8 52.4 78.6

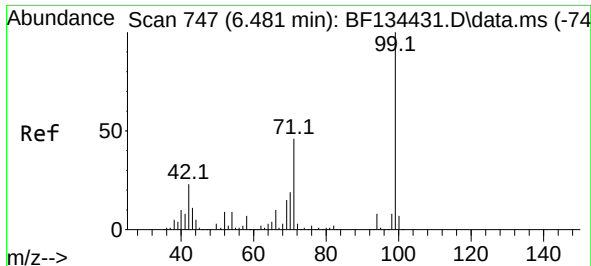


#5
2-Fluorophenol
Concen: 19.280 ng
RT: 5.457 min Scan# 573
Delta R.T. -0.012 min
Lab File: BF134498.D
Acq: 27 Jul 2023 00:00



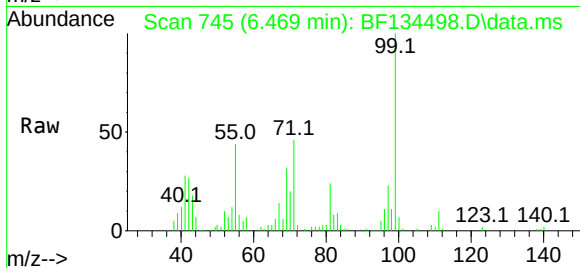
Tgt Ion:112 Resp: 59702
Ion Ratio Lower Upper
112 100
64 66.5 44.9 67.3
63 38.8 25.4 38.0#



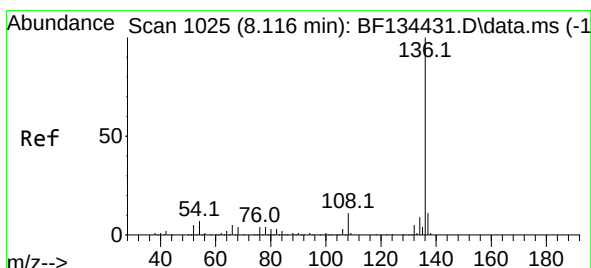
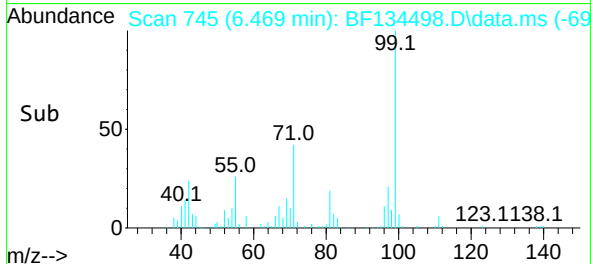
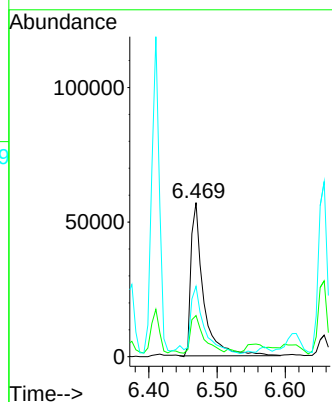


#7
Phenol-d6
Concen: 18.996 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134498.D
Acq: 27 Jul 2023 00:00

Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMDL

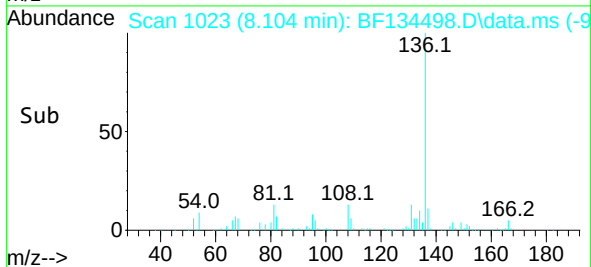
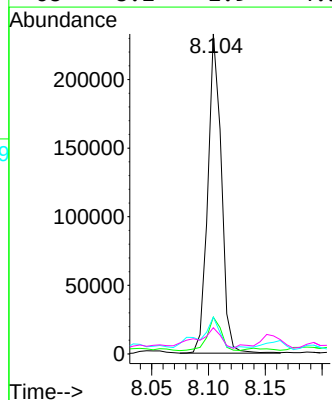
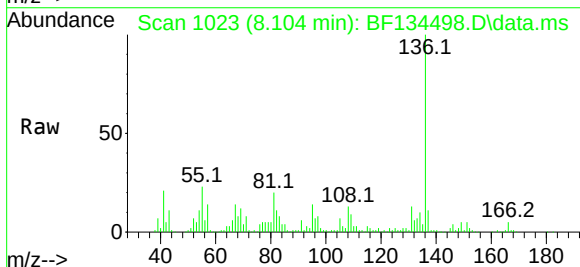


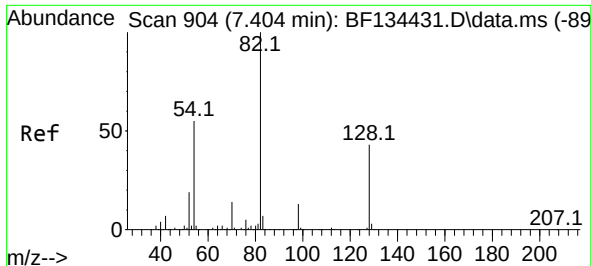
Tgt Ion: 99 Resp: 72067
Ion Ratio Lower Upper
99 100
42 26.7 18.7 28.1
71 45.7 36.4 54.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.012 min
Lab File: BF134498.D
Acq: 27 Jul 2023 00:00

Tgt Ion:136 Resp: 192215
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 11.5 5.2 7.8#
68 8.2 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 12.001 ng

RT: 7.387 min Scan# 904

Delta R.T. -0.017 min

Lab File: BF134498.D

Acq: 27 Jul 2023 00:00

Instrument :

BNA_F

ClientSampleId :

SLUDGE-DRUMDL

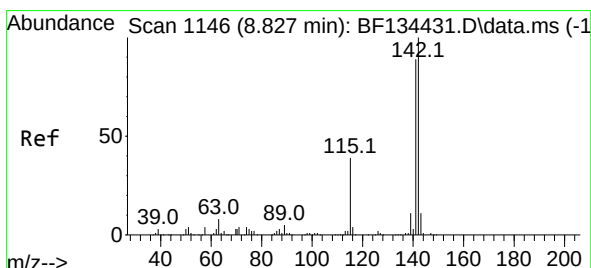
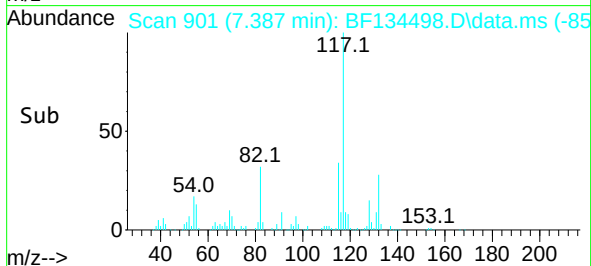
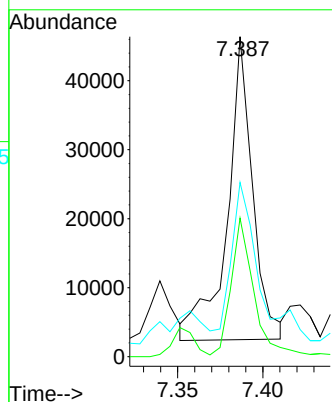
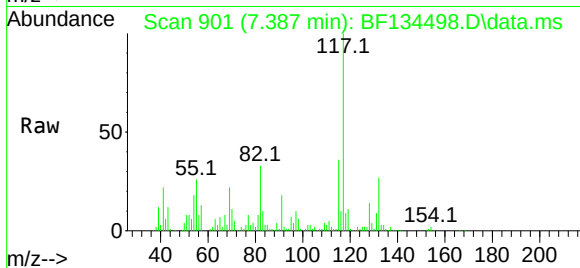
Tgt Ion: 82 Resp: 45595

Ion Ratio Lower Upper

82 100

128 43.3 34.3 51.5

54 54.5 43.8 65.6



#37

2-Methylnaphthalene

Concen: 35.507 ng

RT: 8.822 min Scan# 1145

Delta R.T. -0.005 min

Lab File: BF134498.D

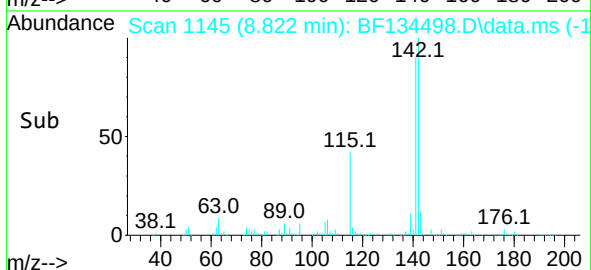
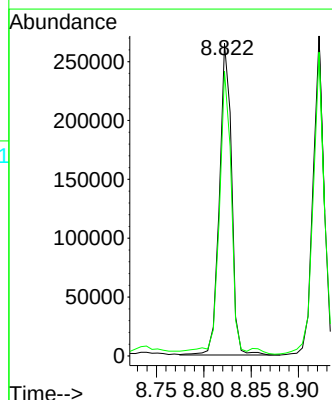
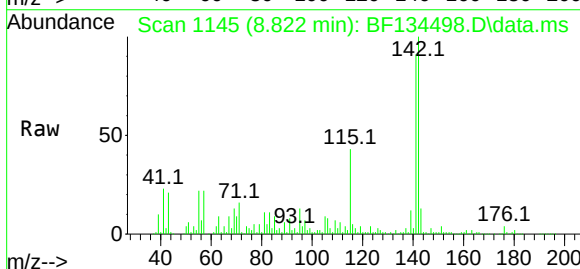
Acq: 27 Jul 2023 00:00

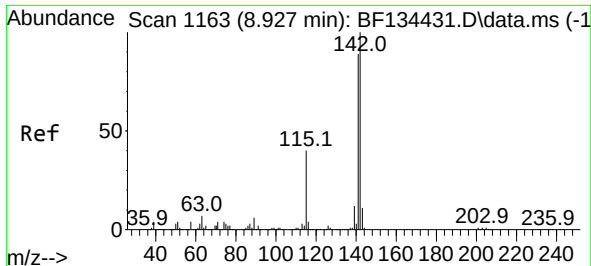
Tgt Ion: 142 Resp: 236006

Ion Ratio Lower Upper

142 100

141 91.1 70.8 106.2

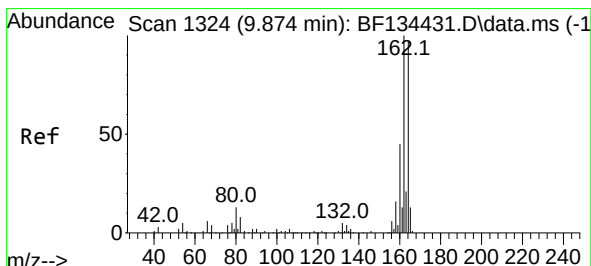
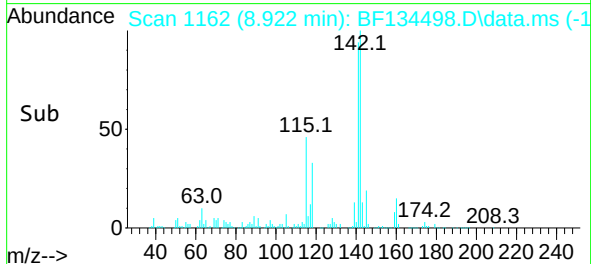
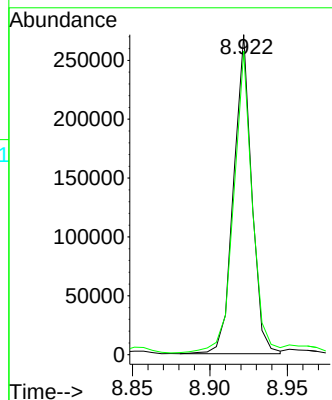
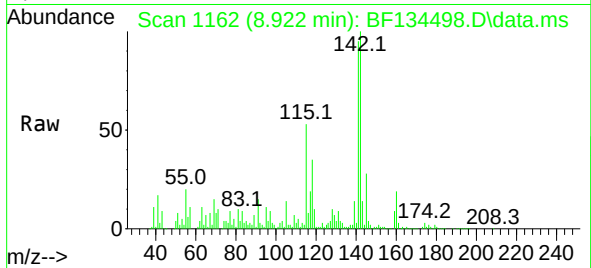




#38
1-Methylnaphthalene
Concen: 35.530 ng
RT: 8.922 min Scan# 1163
Delta R.T. -0.005 min
Lab File: BF134498.D
Acq: 27 Jul 2023 00:00

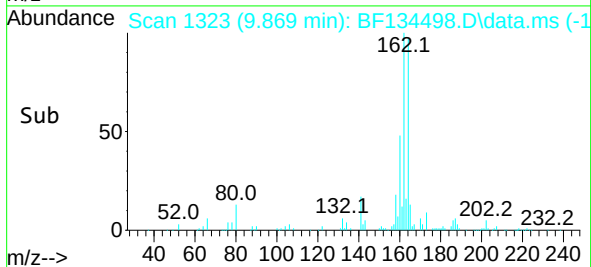
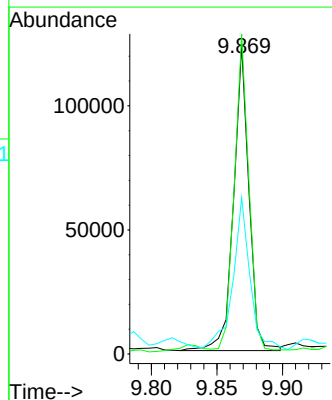
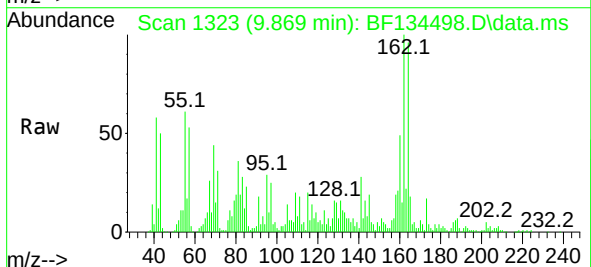
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMDL

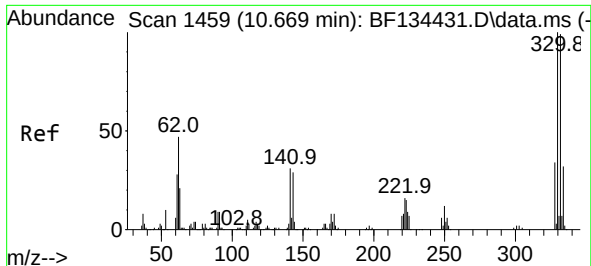
Tgt Ion:142 Resp: 219089
Ion Ratio Lower Upper
142 100
141 94.9 71.4 107.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134498.D
Acq: 27 Jul 2023 00:00

Tgt Ion:164 Resp: 100614
Ion Ratio Lower Upper
164 100
162 103.6 82.6 123.8
160 50.7 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 10.701 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF134498.D

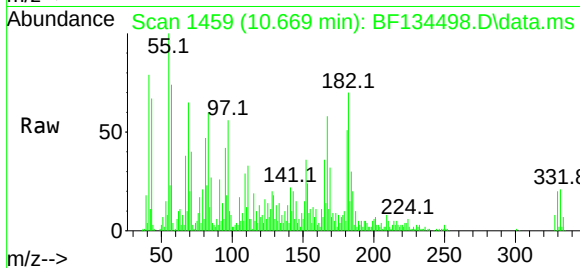
Acq: 27 Jul 2023 00:00

Instrument :

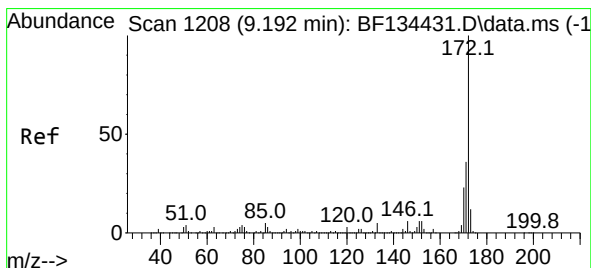
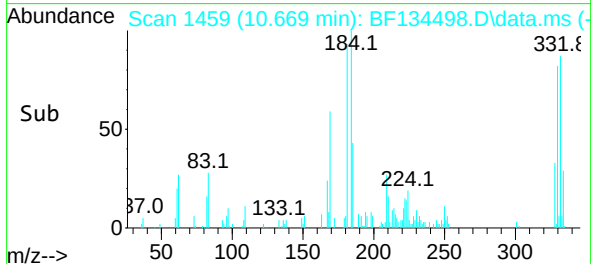
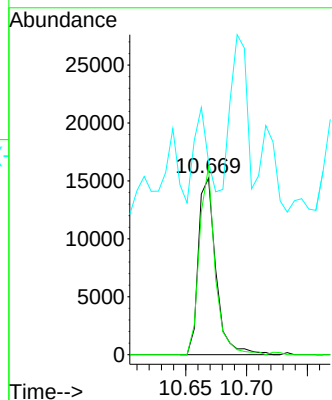
BNA_F

ClientSampleId :

SLUDGE-DRUMDL



Tgt Ion:	330	Resp:	15298
Ion Ratio	Lower	Upper	
330	100		
332	96.3	78.8	118.2
141	41.8	25.4	38.2#



#45

2-Fluorobiphenyl

Concen: 11.776 ng

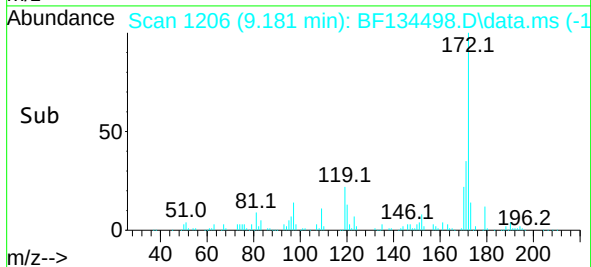
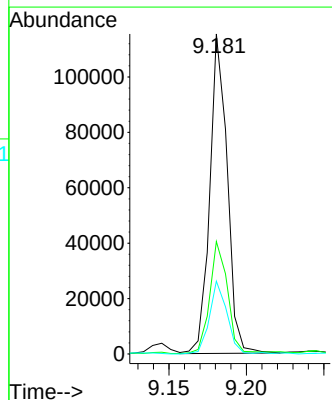
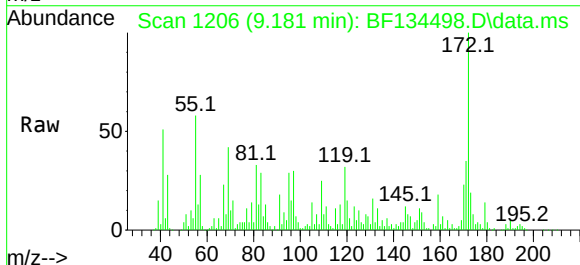
RT: 9.181 min Scan# 1206

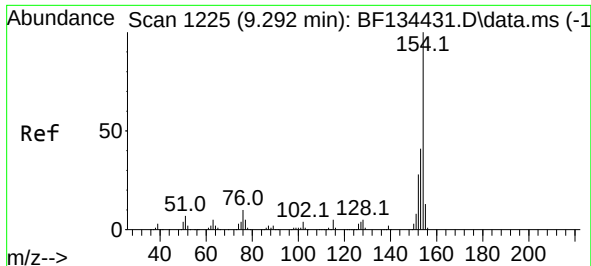
Delta R.T. -0.012 min

Lab File: BF134498.D

Acq: 27 Jul 2023 00:00

Tgt Ion:	172	Resp:	90255
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.8	43.2
170	22.7	18.7	28.1

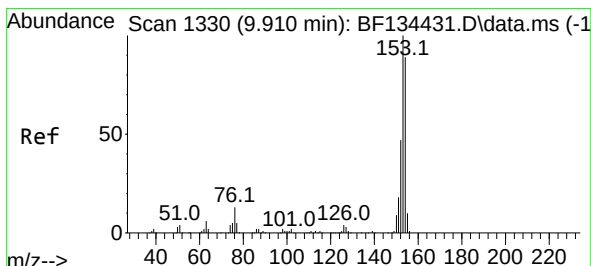
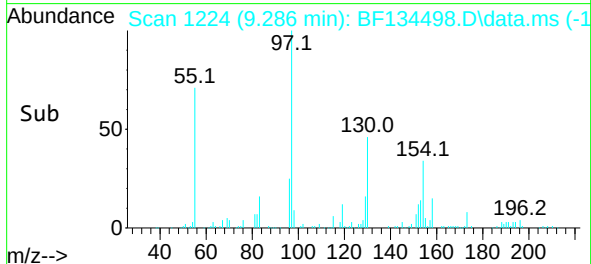
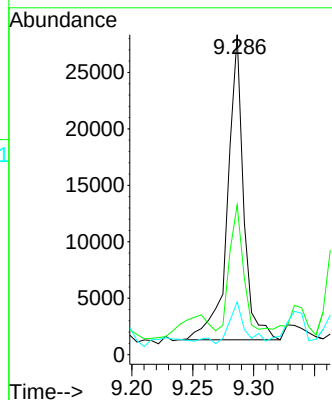
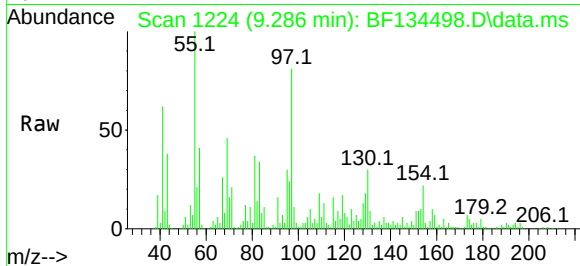




#46
1,1'-Biphenyl
Concen: 2.993 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134498.D
Acq: 27 Jul 2023 00:00

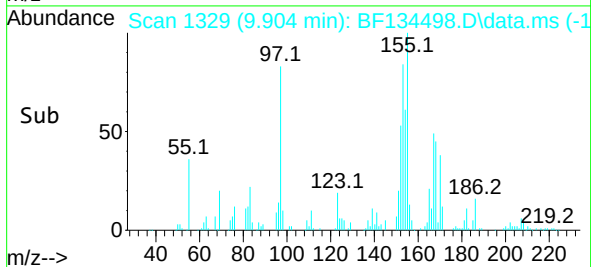
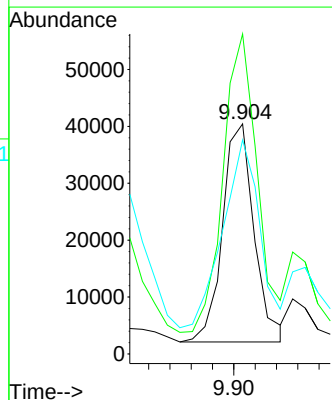
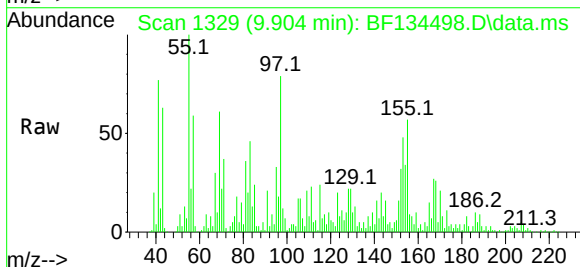
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMDL

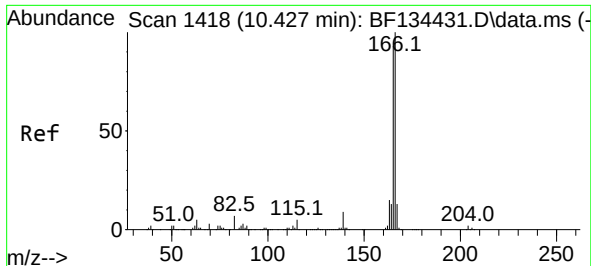
Tgt Ion:154 Resp: 24821
Ion Ratio Lower Upper
154 100
153 46.8 20.8 60.8
76 16.5 0.0 30.2



#52
Acenaphthene
Concen: 6.493 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF134498.D
Acq: 27 Jul 2023 00:00

Tgt Ion:154 Resp: 39614
Ion Ratio Lower Upper
154 100
153 139.0 90.0 135.0#
152 93.0 42.4 63.6#

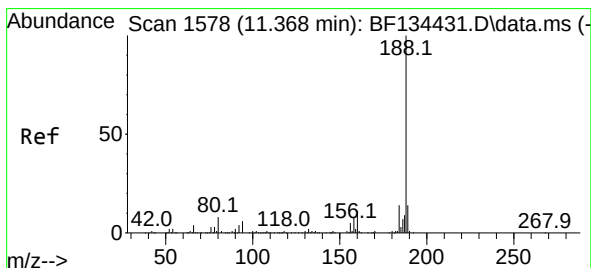
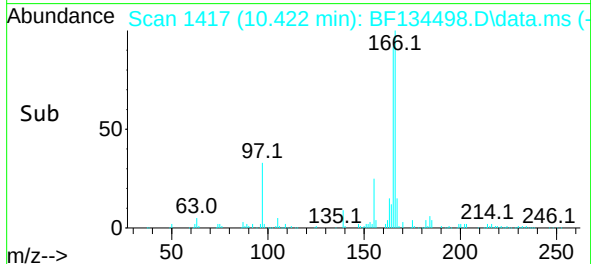
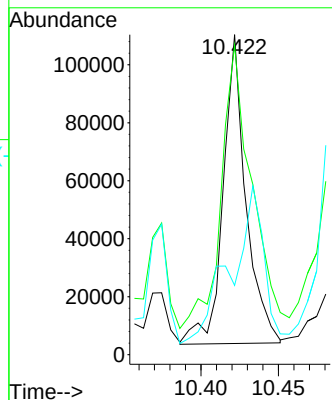
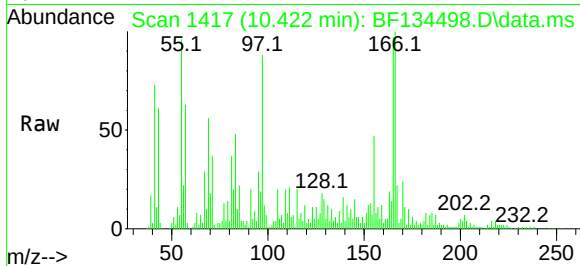




#58
Fluorene
Concen: 14.406 ng
RT: 10.422 min Scan# 1418
Delta R.T. -0.005 min
Lab File: BF134498.D
Acq: 27 Jul 2023 00:00

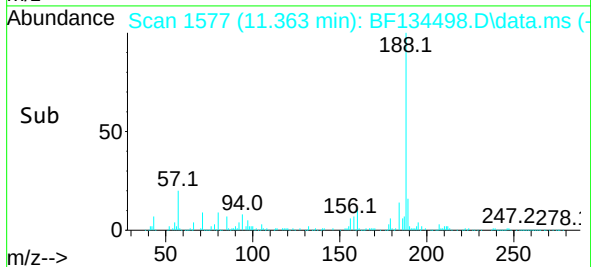
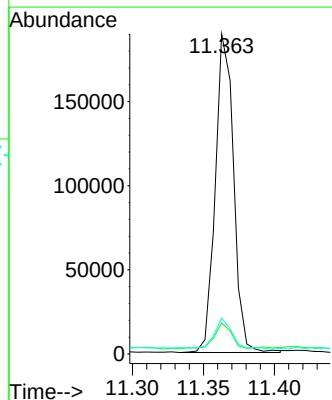
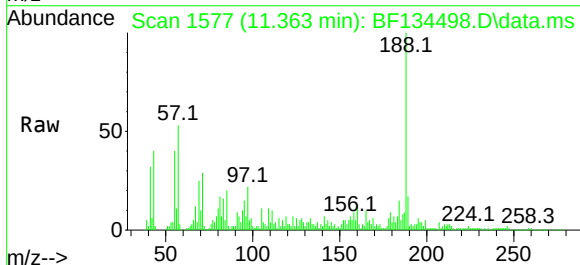
Instrument :
BNA_F
ClientSampleId :
SLUDGE-DRUMDL

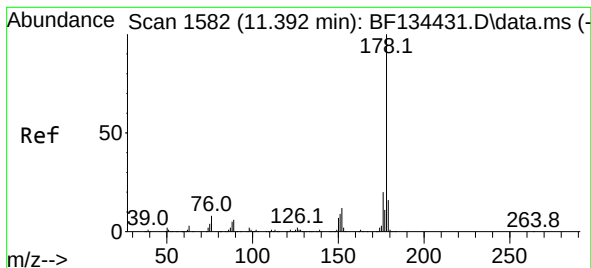
Tgt Ion:166 Resp: 109133
Ion Ratio Lower Upper
166 100
165 96.7 74.5 111.7
167 21.7 10.6 16.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF134498.D
Acq: 27 Jul 2023 00:00

Tgt Ion:188 Resp: 169369
Ion Ratio Lower Upper
188 100
94 9.7 5.1 7.7#
80 11.3 6.6 9.8#





#71

Phenanthrene

Concen: 33.497 ng

RT: 11.392 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134498.D

Acq: 27 Jul 2023 00:00

Instrument :

BNA_F

ClientSampleId :

SLUDGE-DRUMDL

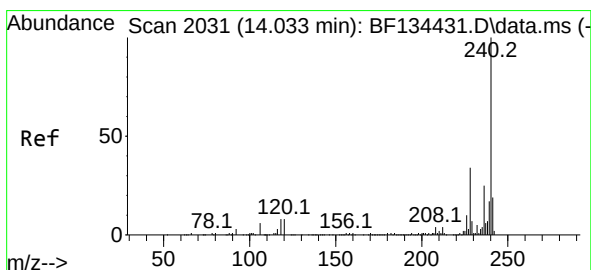
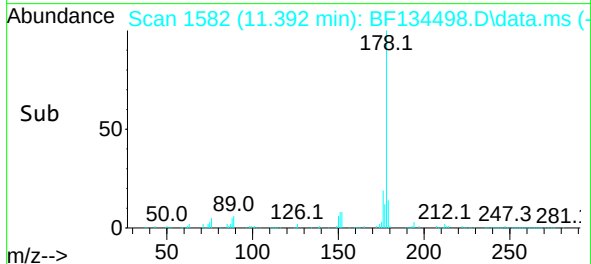
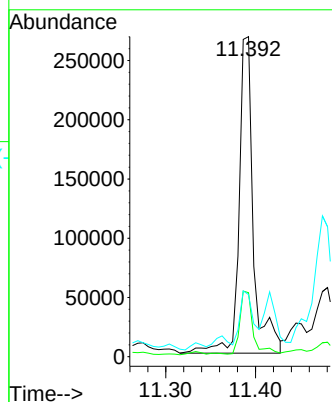
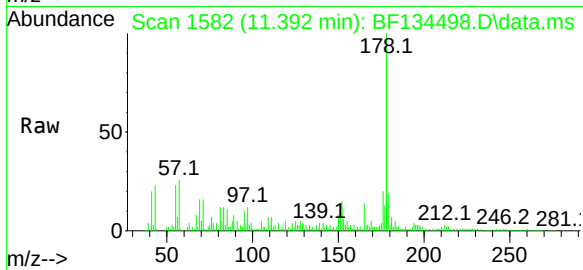
Tgt Ion:178 Resp: 296426

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.6

179 19.4 12.7 19.1#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.023 min

Lab File: BF134498.D

Acq: 27 Jul 2023 00:00

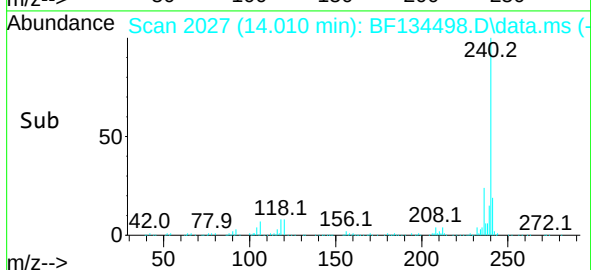
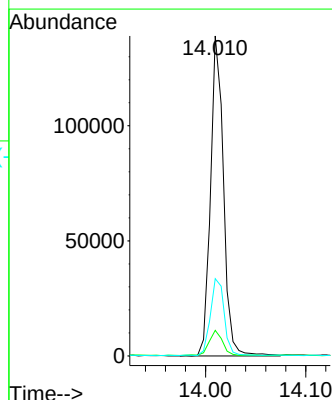
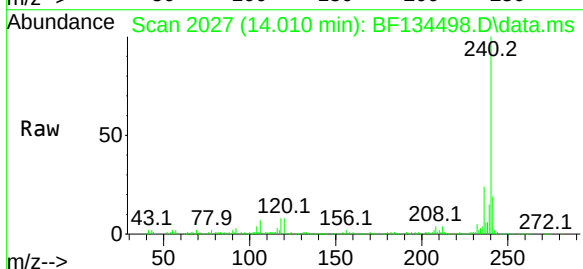
Tgt Ion:240 Resp: 125494

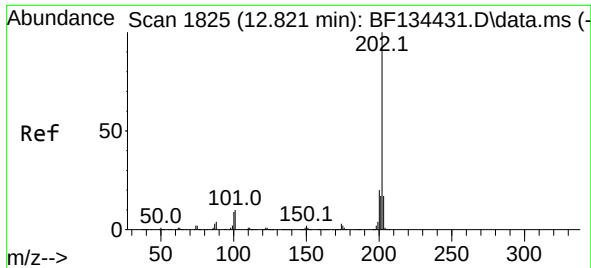
Ion Ratio Lower Upper

240 100

120 8.0 6.6 10.0

236 24.1 20.2 30.2

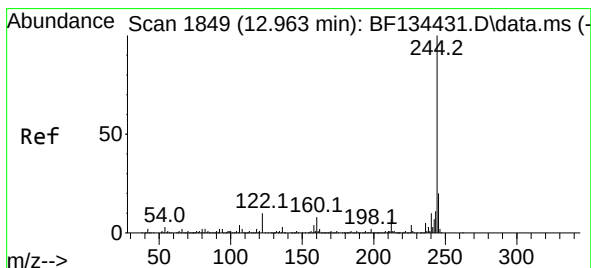
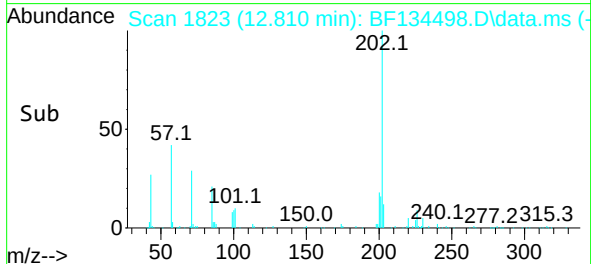
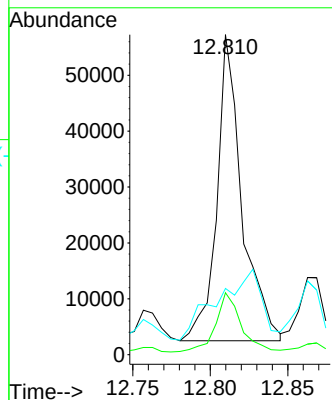
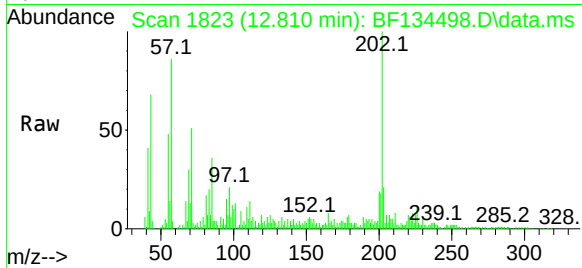




#78
 Pyrene
 Concen: 6.161 ng
 RT: 12.810 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF134498.D
 Acq: 27 Jul 2023 00:00

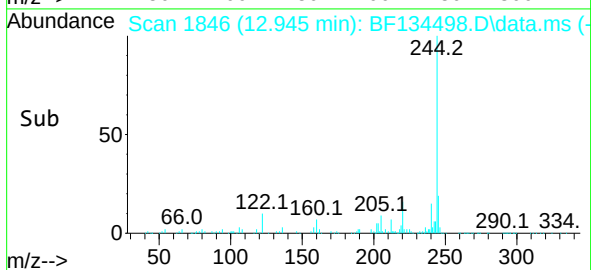
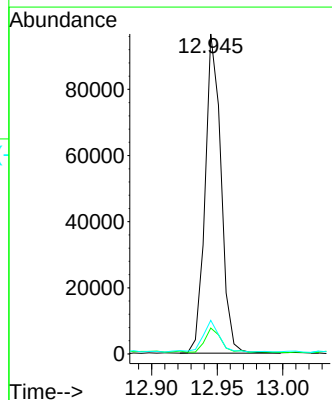
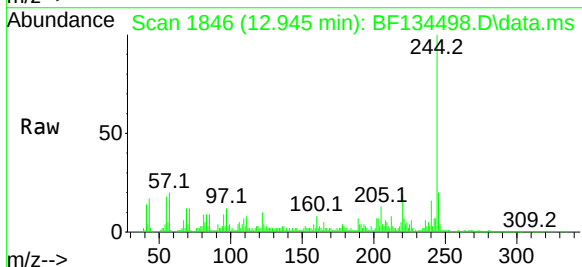
Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-DRUMDL

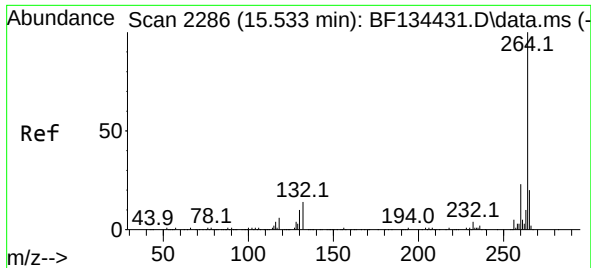
Tgt Ion:202 Resp: 61480
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.8 23.8
 203 20.7 13.5 20.3#



#79
 Terphenyl-d14
 Concen: 11.361 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.017 min
 Lab File: BF134498.D
 Acq: 27 Jul 2023 00:00

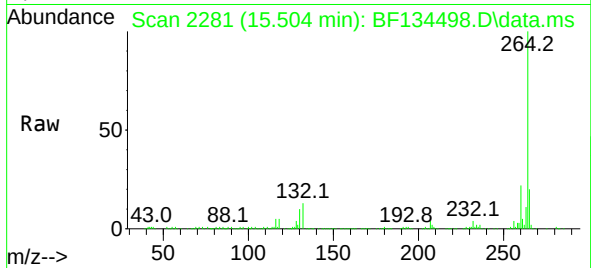
Tgt Ion:244 Resp: 81674
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.6 8.4
 122 10.5 8.0 12.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 21
 Delta R.T. -0.029 min
 Lab File: BF134498.D
 Acq: 27 Jul 2023 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SLUDGE-DRUMDL



Tgt Ion:264 Resp: 137694
 Ion Ratio Lower Upper
 264 100
 260 21.6 18.4 27.6
 265 20.5 15.8 23.8

