

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122923\
 Data File : BF136843.D
 Acq On : 29 Dec 2023 23:04
 Operator : CG\JU
 Sample : 05862-12DL2 100X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-LIQUIDS-20231213-01DL2

Quant Time: Dec 30 03:08:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

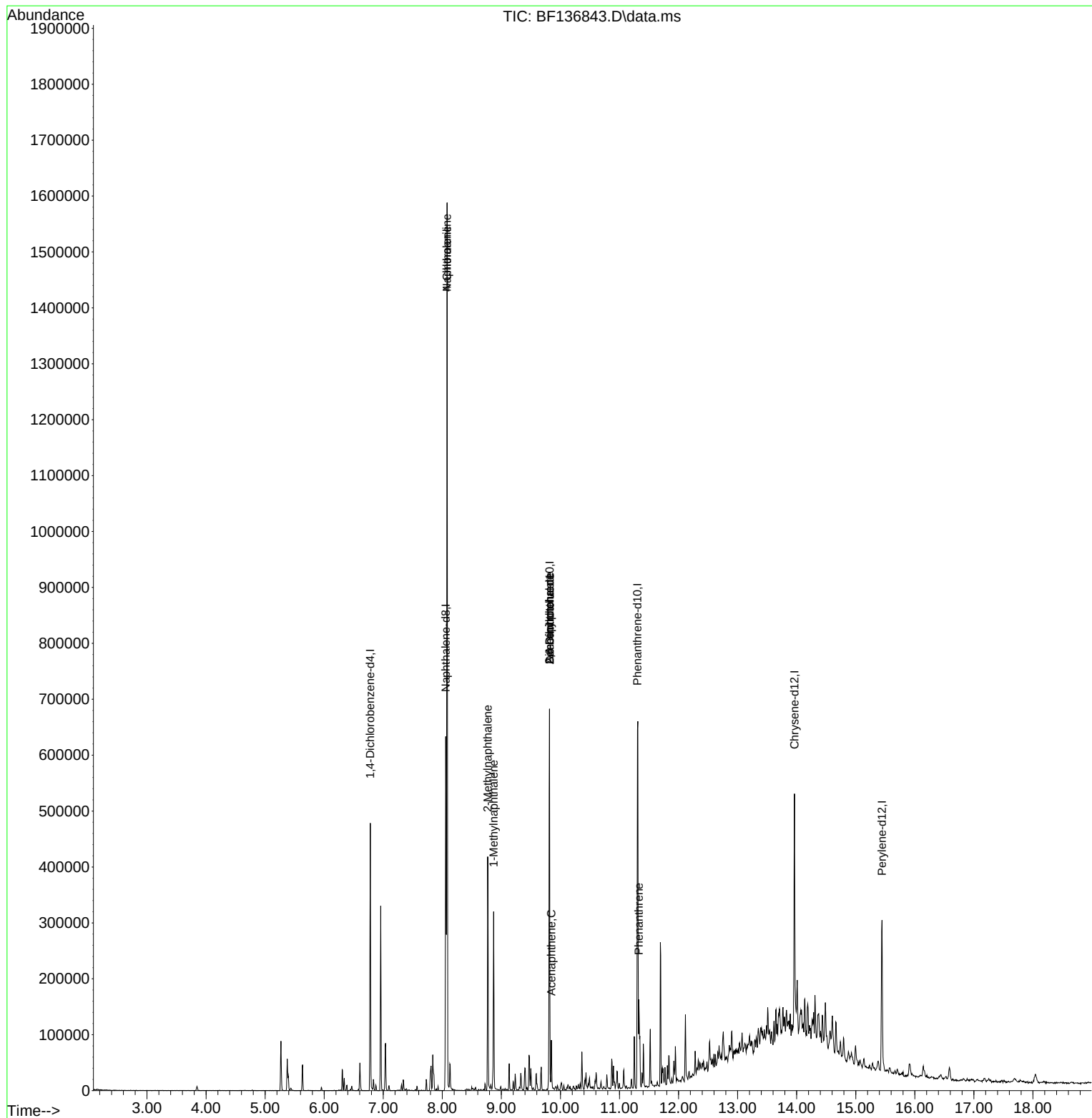
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	66984	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	259783	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	132970	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	238790	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	126238	20.000	ng	0.00
86) Perylene-d12	15.445	264	133337	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	2572	0.599	ng	0.00
7) Phenol-d6	6.445	99	2121	0.381	ng	0.00
23) Nitrobenzene-d5	7.339	82	5509	1.085	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	2122	1.355	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	14493	1.466	ng	-0.02
79) Terphenyl-d14	12.898	244	12778	1.415	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	8.081	128	628660	44.049	ng	100
33) 4-Chloroaniline	8.081	127	84959	16.123	ng	# 36
37) 2-Methylnaphthalene	8.769	142	104935	11.425	ng	96
38) 1-Methylnaphthalene	8.869	142	76285	8.466	ng	98
50) Dimethylphthalate	9.816	163	26544	2.733	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	17252	7.827	ng	# 31
52) Acenaphthene	9.845	154	16116	2.005	ng	98
57) 2,4-Dinitrotoluene	9.816	165	17252	6.029	ng	# 22
71) Phenanthrene	11.327	178	52648	4.297	ng	99

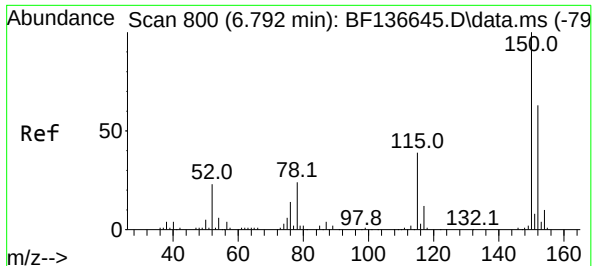
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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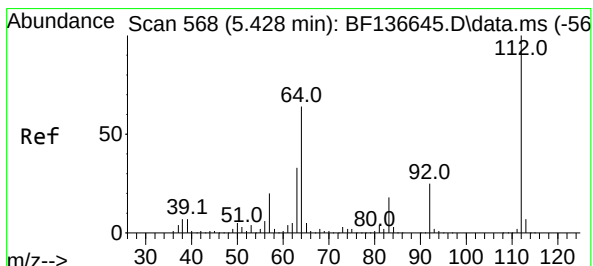
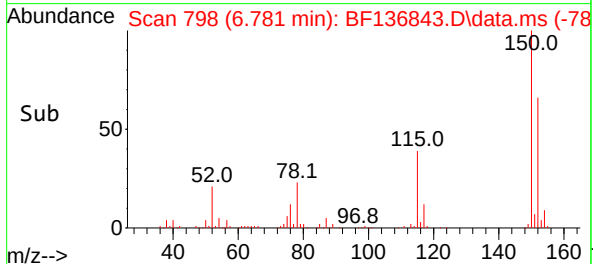
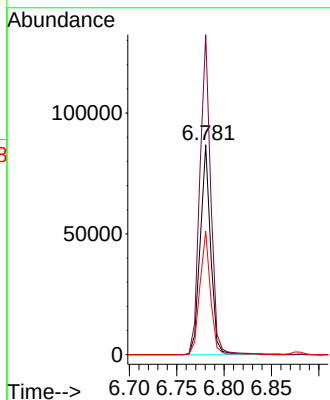
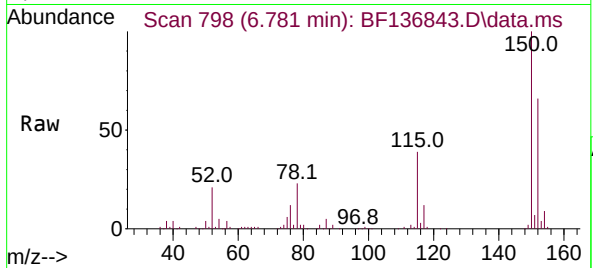




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

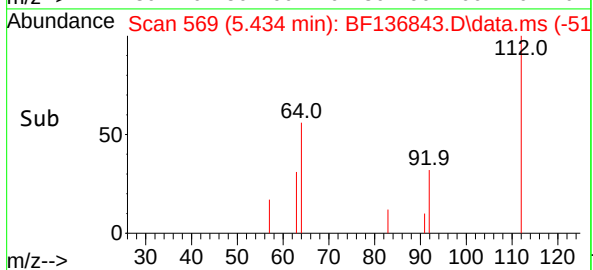
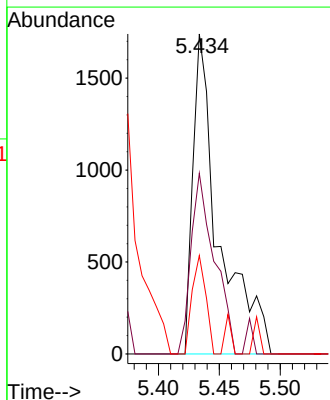
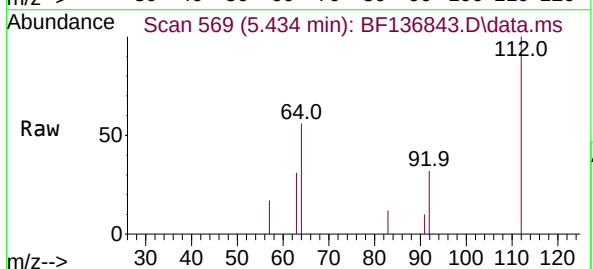
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL2

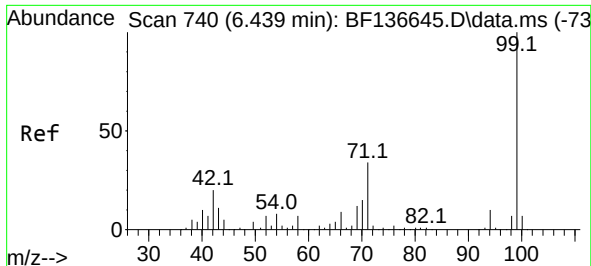
Tgt Ion:152 Resp: 66984
Ion Ratio Lower Upper
152 100
150 152.5 127.0 190.6
115 58.8 49.0 73.4



#5
2-Fluorophenol
Concen: 0.599 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

Tgt Ion:112 Resp: 2572
Ion Ratio Lower Upper
112 100
64 56.4 51.1 76.7
63 30.7 26.1 39.1





#7

Phenol-d6

Concen: 0.381 ng

RT: 6.445 min Scan# 74

Delta R.T. 0.006 min

Lab File: BF136843.D

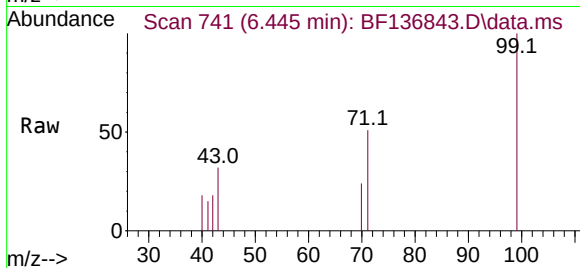
Acq: 29 Dec 2023 23:04

Instrument :

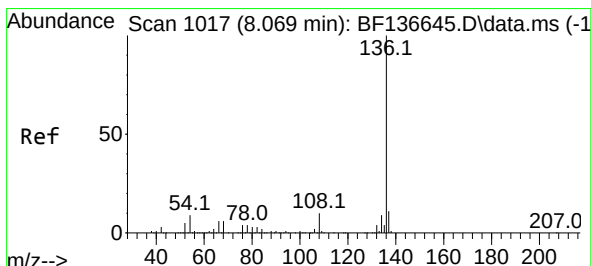
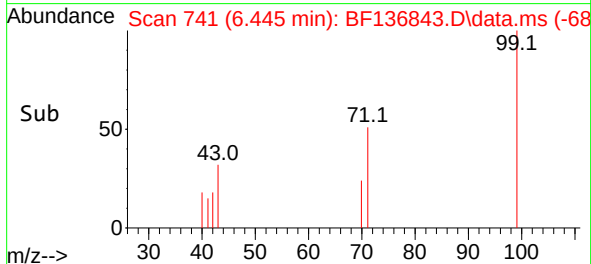
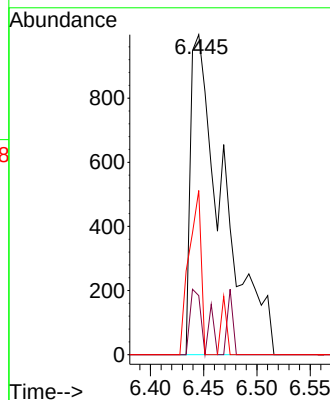
BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL2



Tgt Ion:	99	42	71
Ratio	100	18.4	51.3
Lower		16.1	27.4
Upper		24.1	41.2#



#21

Naphthalene-d8

Concen: 20.000 ng

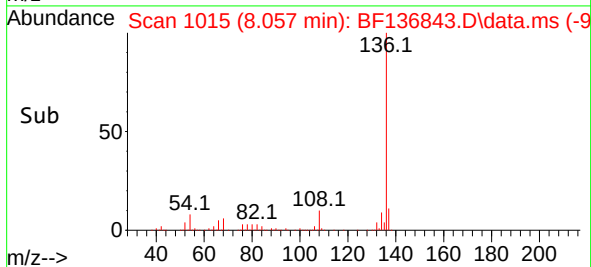
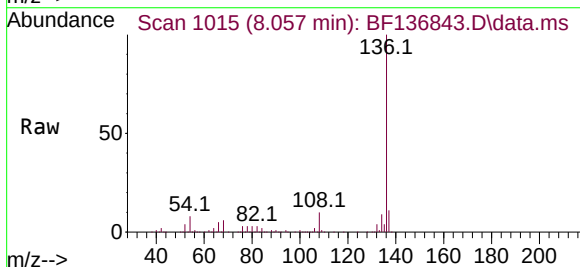
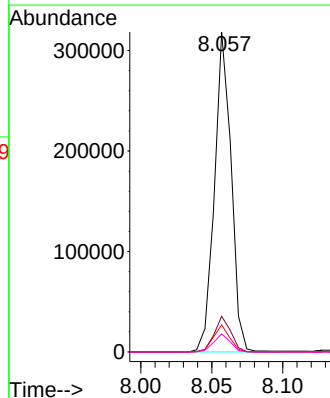
RT: 8.057 min Scan# 1015

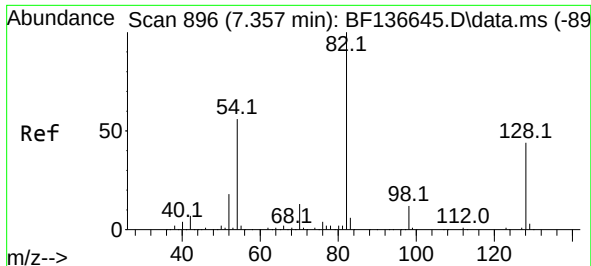
Delta R.T. -0.012 min

Lab File: BF136843.D

Acq: 29 Dec 2023 23:04

Tgt Ion:	136	137	54	68
Ratio	100	11.2	8.5	5.6
Lower		9.0	7.2	4.9
Upper		13.4	10.8	7.3





#23

Nitrobenzene-d5

Concen: 1.085 ng

RT: 7.339 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136843.D

Acq: 29 Dec 2023 23:04

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL2

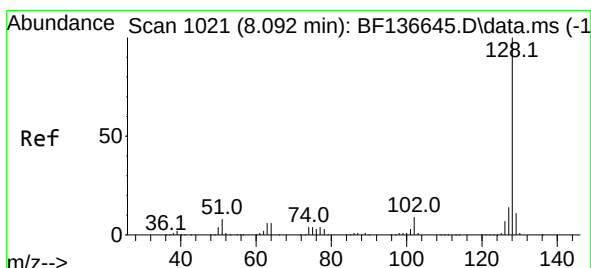
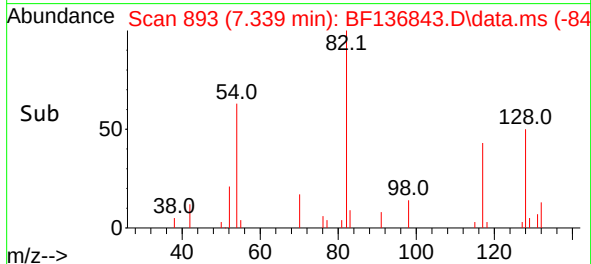
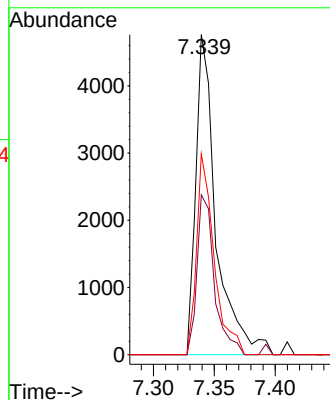
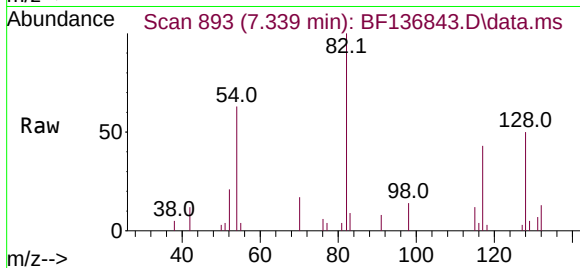
Tgt Ion: 82 Resp: 5509

Ion Ratio Lower Upper

82 100

128 49.9 35.3 52.9

54 62.8 44.5 66.7



#31

Naphthalene

Concen: 44.049 ng

RT: 8.081 min Scan# 1019

Delta R.T. -0.012 min

Lab File: BF136843.D

Acq: 29 Dec 2023 23:04

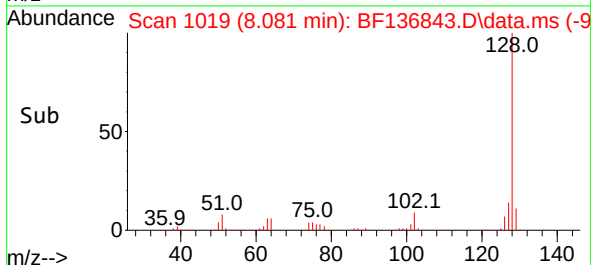
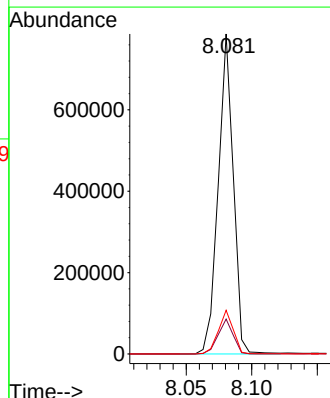
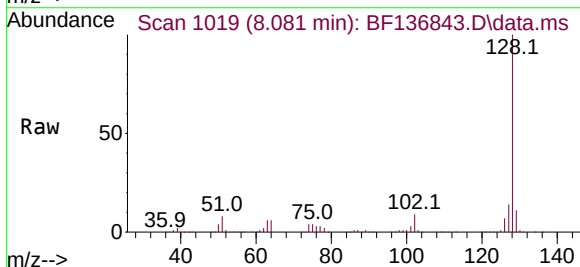
Tgt Ion: 128 Resp: 628660

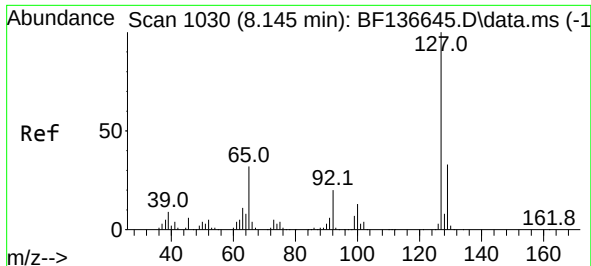
Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

127 13.6 10.8 16.2

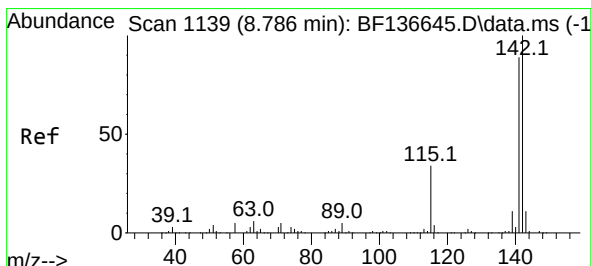
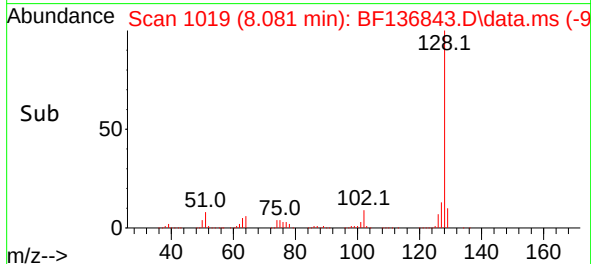
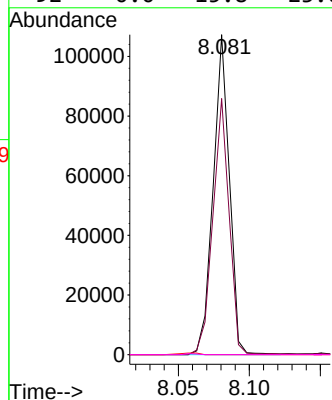
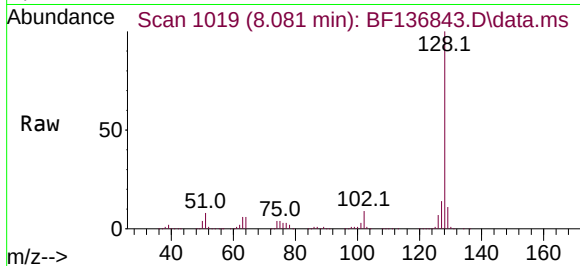




#33
4-Chloroaniline
Concen: 16.123 ng
RT: 8.081 min Scan# 110
Delta R.T. -0.065 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

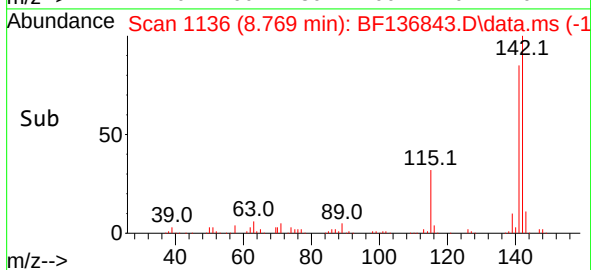
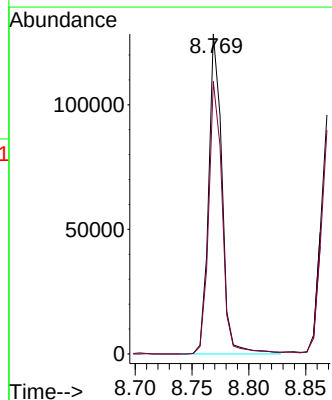
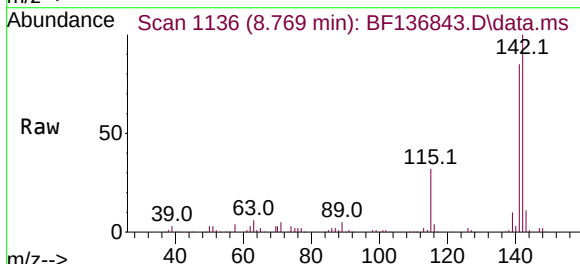
Instrument :
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ClientSampleId :
WC-LIQUIDS-20231213-01DL2

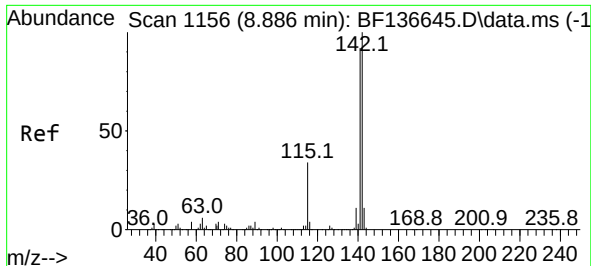
Tgt Ion:127	Resp:	84959
Ion Ratio	Lower	Upper
127	100	
129	80.0	26.3 39.5#
65	0.0	25.8 38.8#
92	0.0	15.8 23.6#



#37
2-Methylnaphthalene
Concen: 11.425 ng
RT: 8.769 min Scan# 1136
Delta R.T. -0.018 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

Tgt Ion:142	Resp:	104935
Ion Ratio	Lower	Upper
142	100	
141	85.2	71.1 106.7

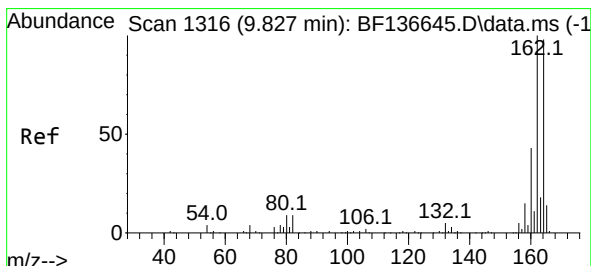
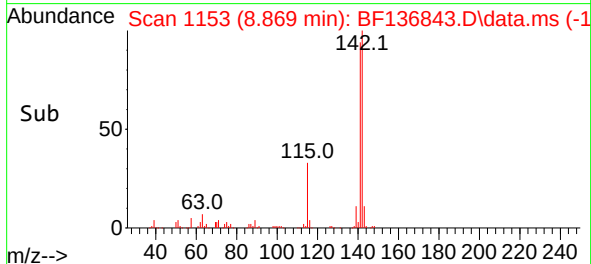
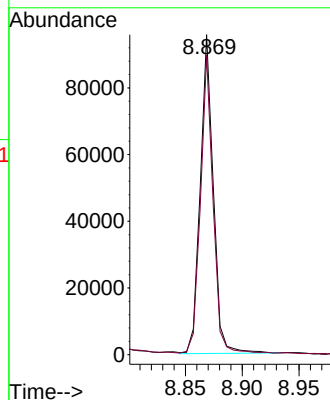
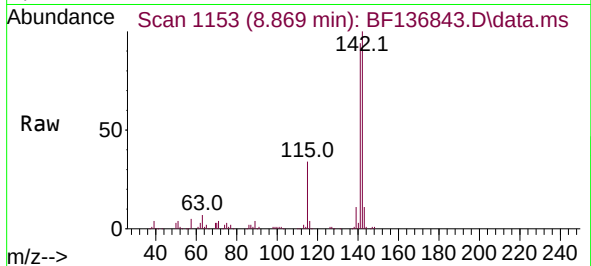




#38
1-Methylnaphthalene
Concen: 8.466 ng
RT: 8.869 min Scan# 1156
Delta R.T. -0.018 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

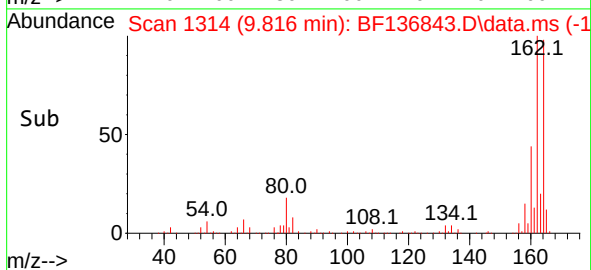
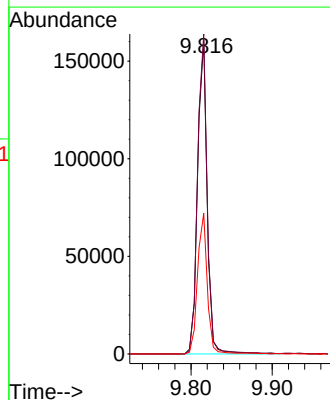
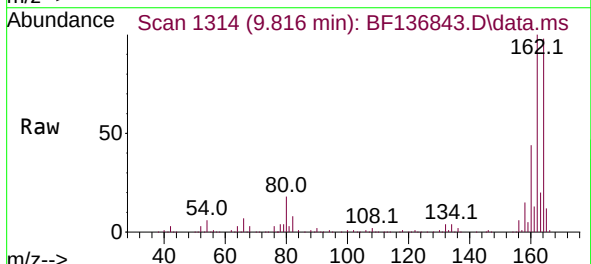
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL2

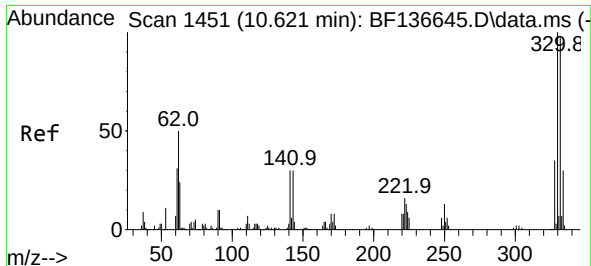
Tgt Ion:142 Resp: 76285
Ion Ratio Lower Upper
142 100
141 93.6 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

Tgt Ion:164 Resp: 132970
Ion Ratio Lower Upper
164 100
162 102.0 81.6 122.4
160 44.8 34.9 52.3

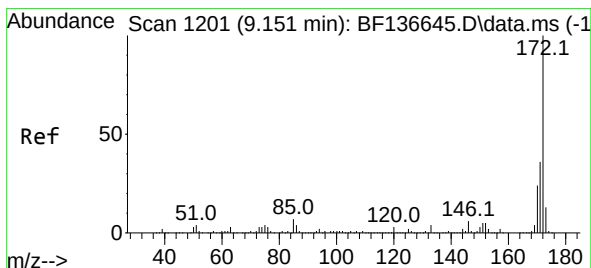
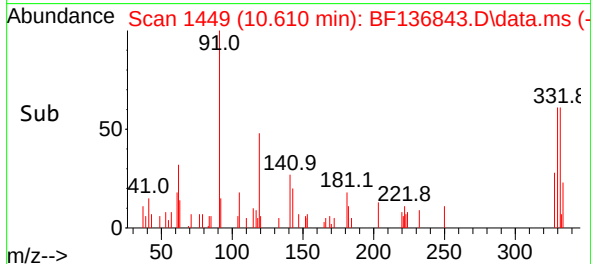
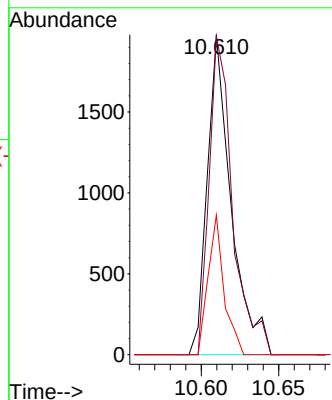
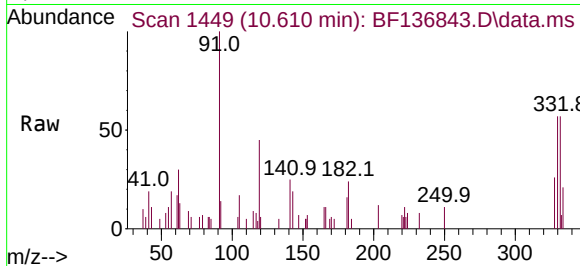




#42
2,4,6-Tribromophenol
Concen: 1.355 ng
RT: 10.610 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

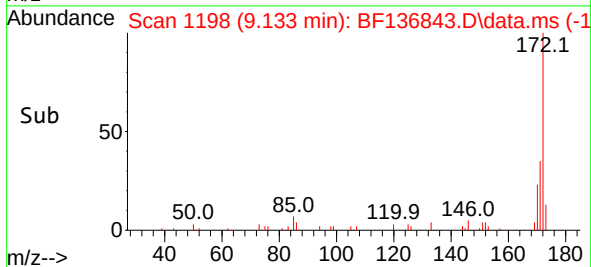
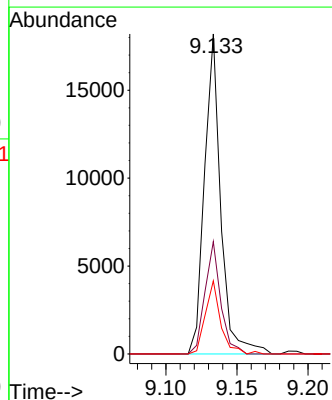
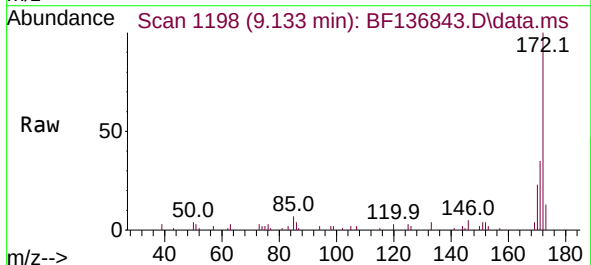
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ClientSampleId : WC-LIQUIDS-20231213-01DL2

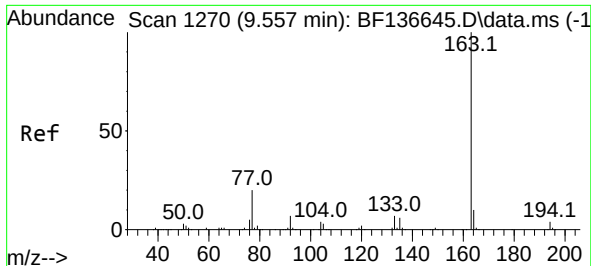
Tgt Ion:	330	Resp:	2122
Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.4	116.0
141	29.1	23.4	35.2



#45
2-Fluorobiphenyl
Concen: 1.466 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.018 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

Tgt Ion:	172	Resp:	14493
Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.6
170	22.8	19.0	28.4

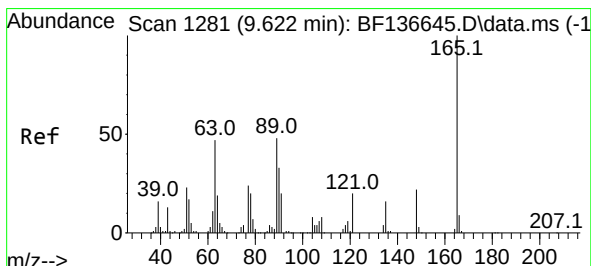
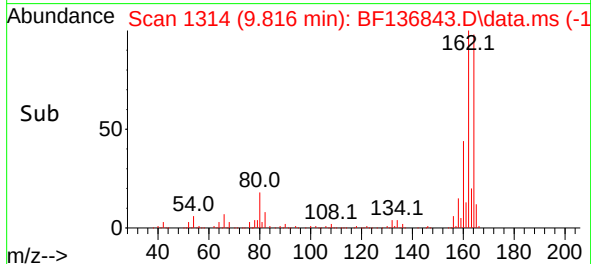
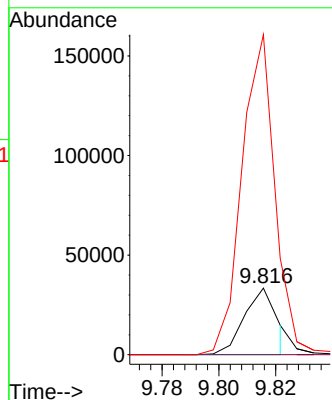
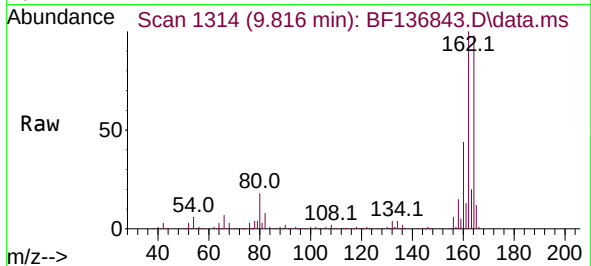




#50
Dimethylphthalate
Concen: 2.733 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

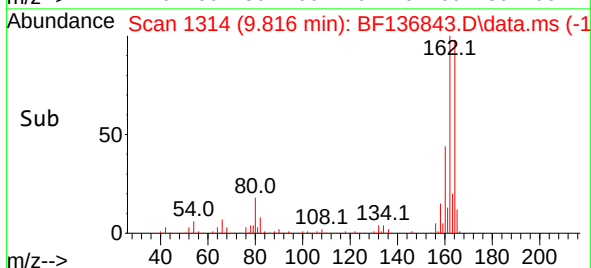
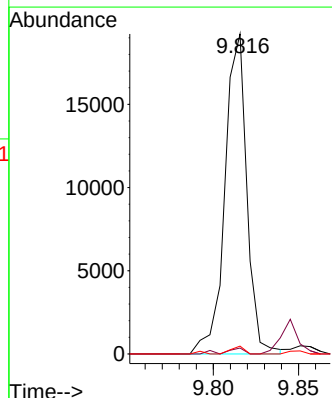
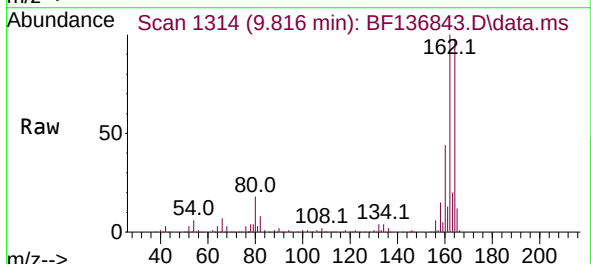
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL2

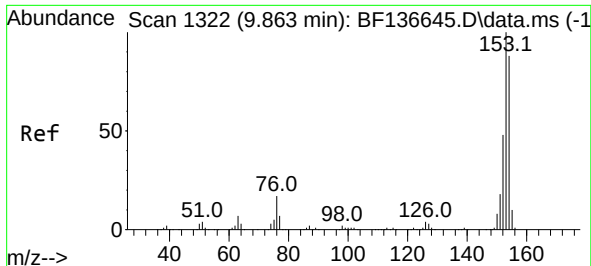
Tgt Ion:163 Resp: 26544
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 480.4 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.827 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

Tgt Ion:165 Resp: 17252
Ion Ratio Lower Upper
165 100
63 1.9 39.8 59.6#
89 2.5 38.8 58.2#





#52

Acenaphthene

Concen: 2.005 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.018 min

Lab File: BF136843.D

Acq: 29 Dec 2023 23:04

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL2

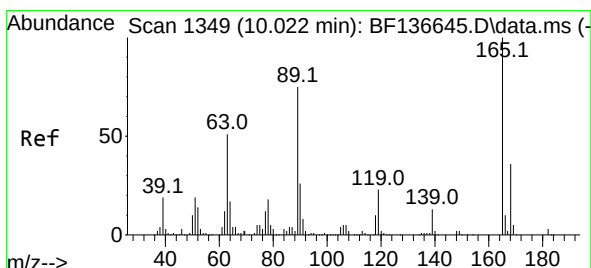
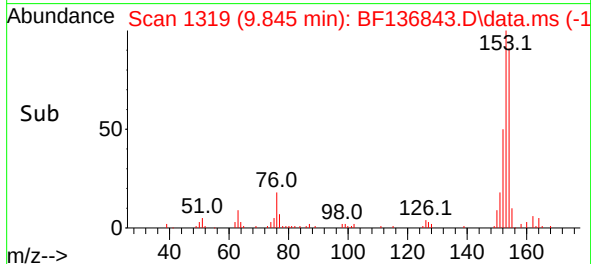
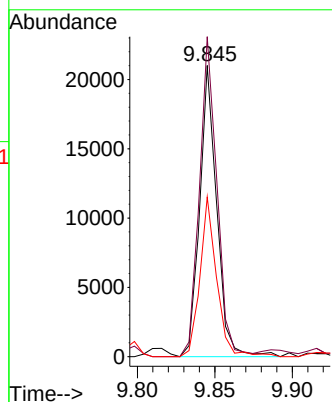
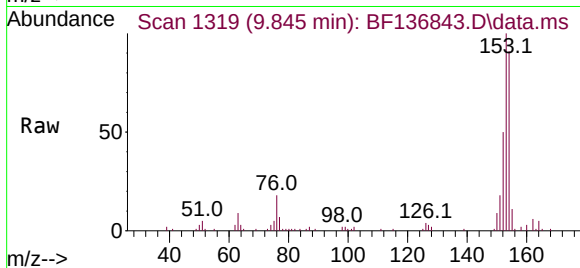
Tgt Ion:154 Resp: 16116

Ion Ratio Lower Upper

154 100

153 109.9 90.7 136.1

152 54.8 43.7 65.5



#57

2,4-Dinitrotoluene

Concen: 6.029 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF136843.D

Acq: 29 Dec 2023 23:04

Tgt Ion:165 Resp: 17252

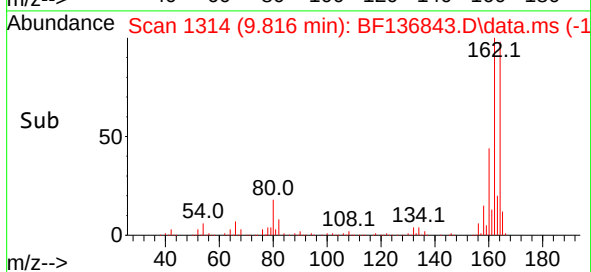
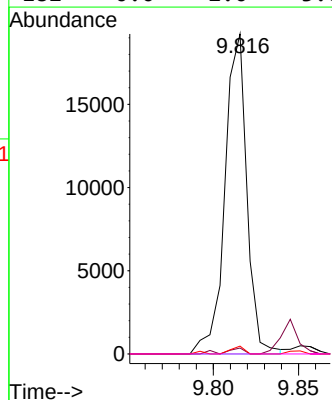
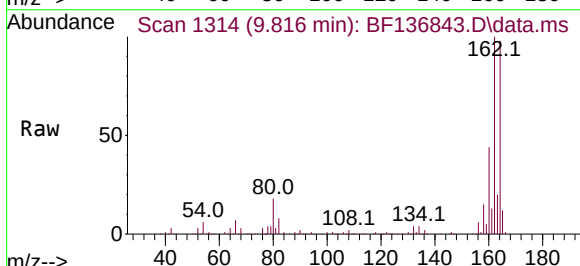
Ion Ratio Lower Upper

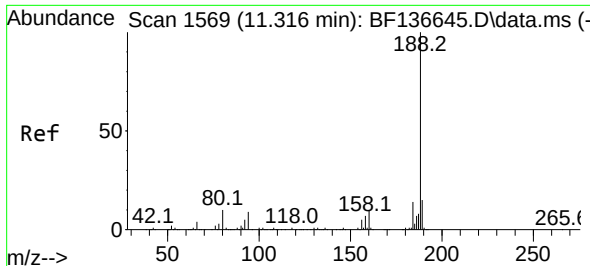
165 100

63 1.9 41.0 61.6#

89 2.5 59.9 89.9#

182 0.0 2.0 3.0#

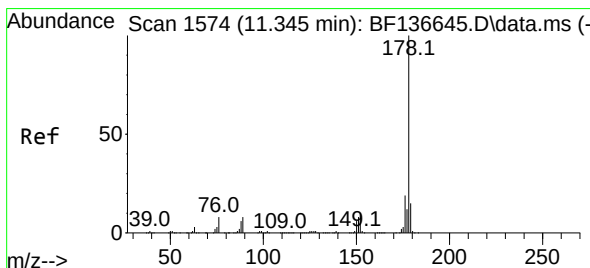
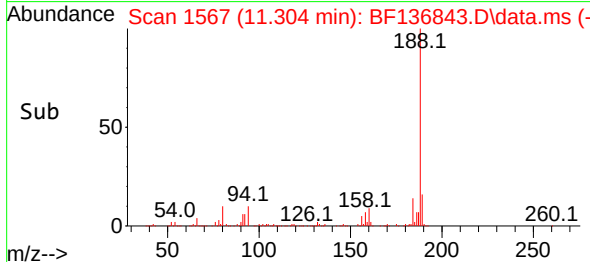
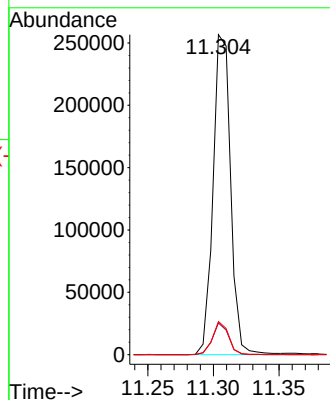
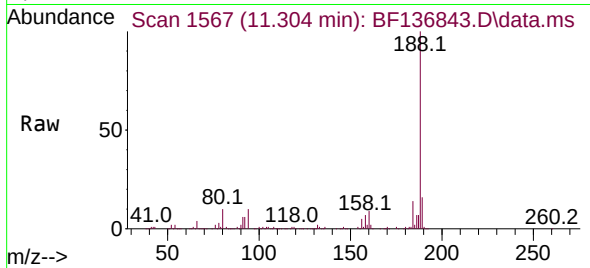




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

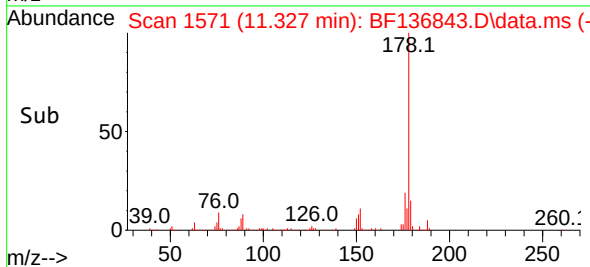
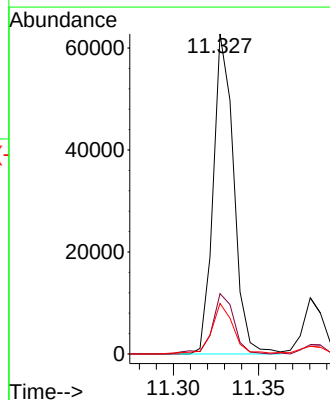
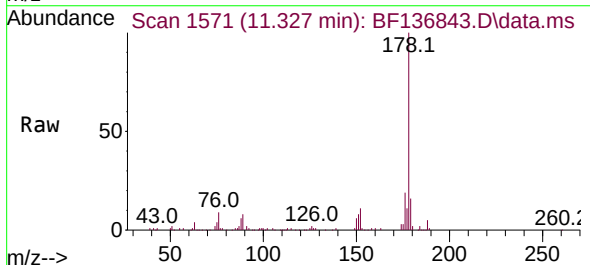
Instrument :
BNA_F
ClientSampleId :
WC-LIQUIDS-20231213-01DL2

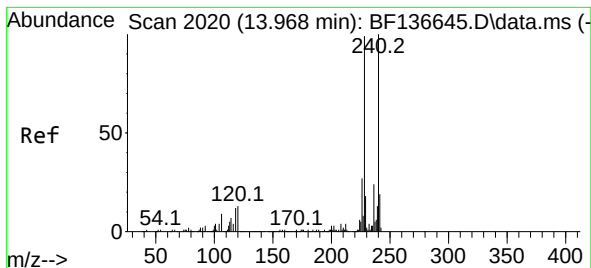
Tgt Ion:188 Resp: 238790
Ion Ratio Lower Upper
188 100
94 9.9 7.5 11.3
80 10.3 8.1 12.1



#71
Phenanthrene
Concen: 4.297 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136843.D
Acq: 29 Dec 2023 23:04

Tgt Ion:178 Resp: 52648
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.8 11.9 17.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136843.D

Acq: 29 Dec 2023 23:04

Instrument :

BNA_F

ClientSampleId :

WC-LIQUIDS-20231213-01DL2

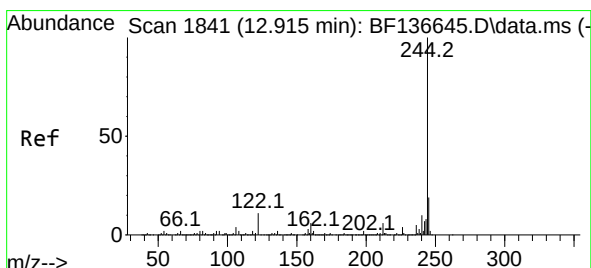
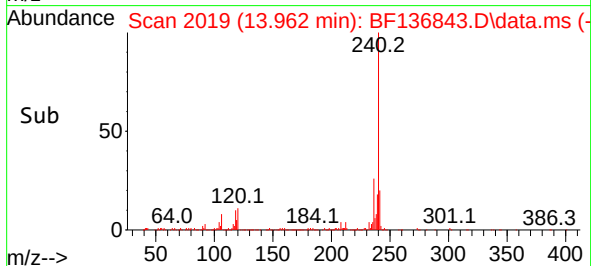
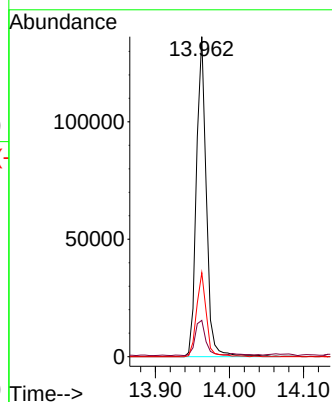
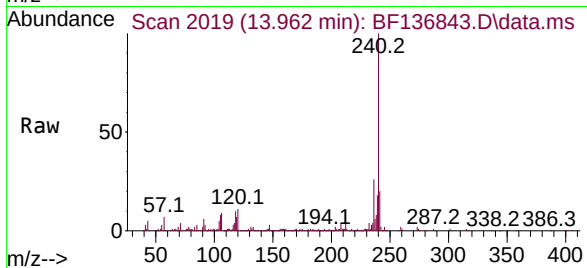
Tgt Ion:240 Resp: 126238

Ion Ratio Lower Upper

240 100

120 11.4 10.3 15.5

236 26.3 19.4 29.2



#79

Terphenyl-d14

Concen: 1.415 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.018 min

Lab File: BF136843.D

Acq: 29 Dec 2023 23:04

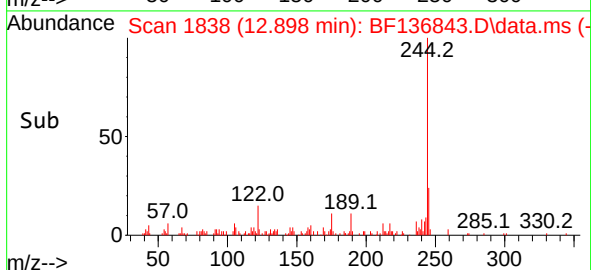
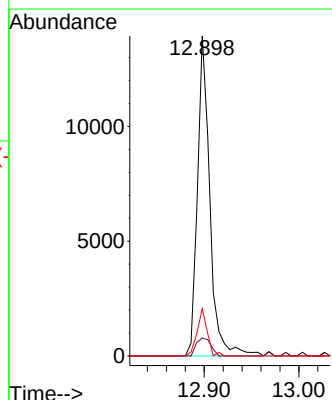
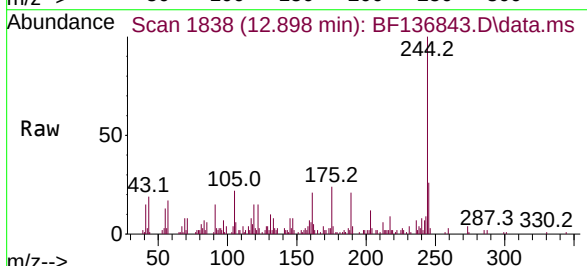
Tgt Ion:244 Resp: 12778

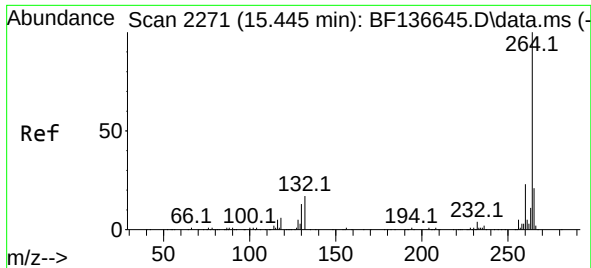
Ion Ratio Lower Upper

244 100

212 5.6 5.0 7.4

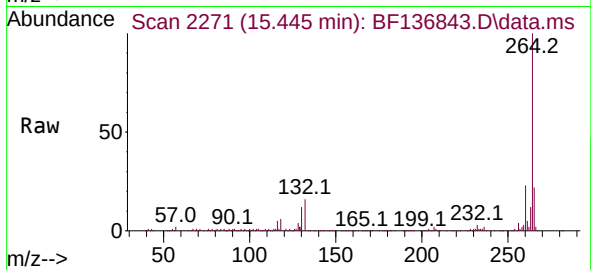
122 14.8 9.0 13.4#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.445 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF136843.D
 Acq: 29 Dec 2023 23:04

Instrument :
 BNA_F
 ClientSampleId :
 WC-LIQUIDS-20231213-01DL2



Tgt Ion:264 Resp: 133337
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.3 27.5
 265 22.0 17.0 25.6

