

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101922\
 Data File : BF130722.D
 Acq On : 19 Oct 2022 21:01
 Operator : CG\JU
 Sample : N5181-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-14-EXCAVATION-WATER

Quant Time: Oct 20 02:47:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 18 03:15:54 2022
 Response via : Initial Calibration

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

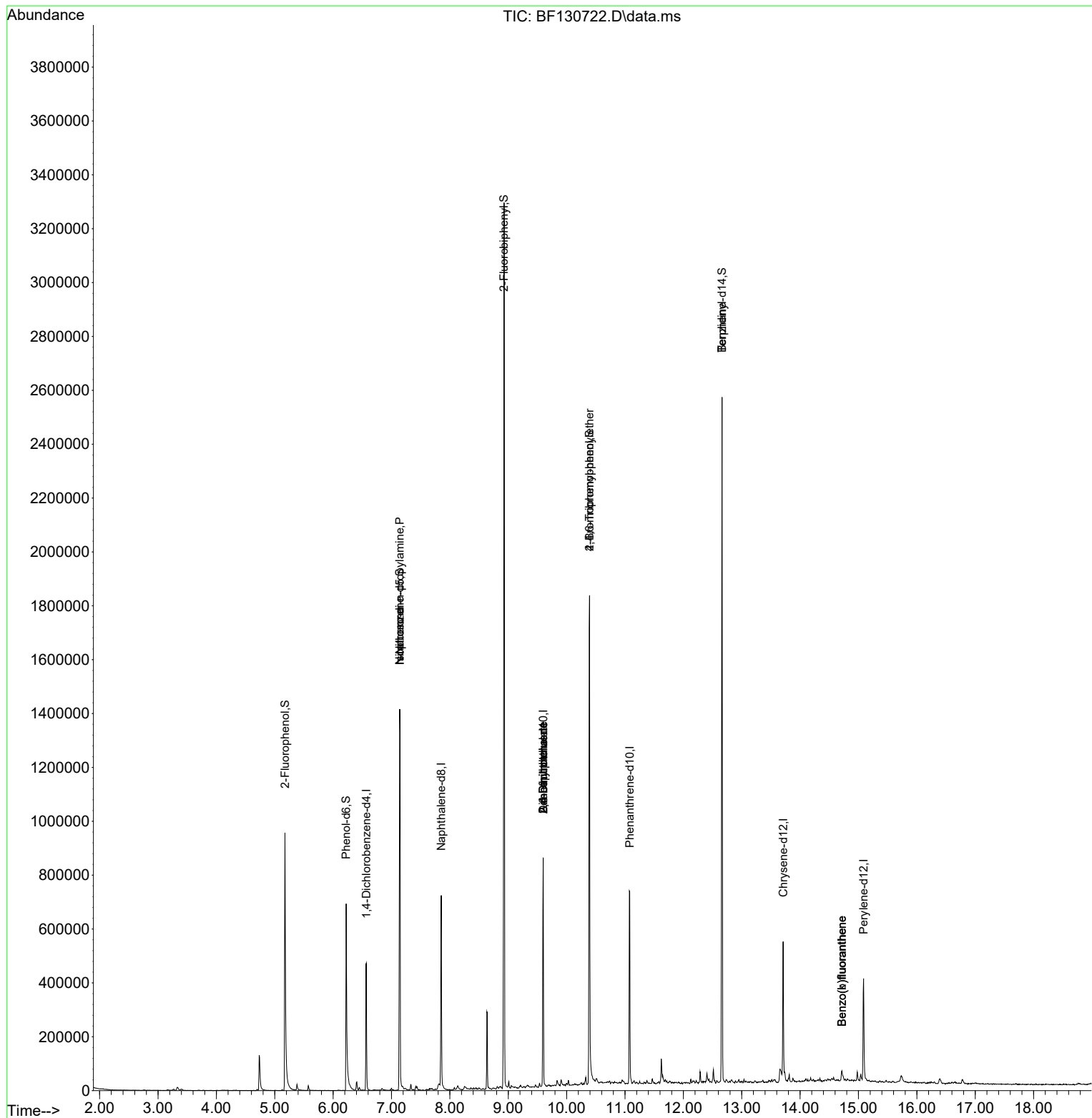
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.569	152	78487	20.000	ng	0.00
21) Naphthalene-d8	7.851	136	312023	20.000	ng	0.00
39) Acenaphthene-d10	9.598	164	168123	20.000	ng	-0.01
64) Phenanthrene-d10	11.081	188	276240	20.000	ng	0.00
76) Chrysene-d12	13.710	240	161477	20.000	ng	-0.01
86) Perylene-d12	15.086	264	160791	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	330750	75.961	ng	0.00
7) Phenol-d6	6.222	99	277869	50.757	ng	0.00
23) Nitrobenzene-d5	7.140	82	529104	92.571	ng	-0.01
42) 2,4,6-Tribromophenol	10.393	330	262935	159.832	ng	0.00
45) 2-Fluorobiphenyl	8.928	172	1029846	92.787	ng	-0.01
79) Terphenyl-d14	12.663	244	808880	83.140	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.140	70	70794	20.043	ng	# 76
25) Isophorone	7.140	82	529099	55.619	ng	# 64
50) Dimethylphthalate	9.598	163	31453	2.703	ng	# 1
51) 2,6-Dinitrotoluene	9.598	165	21777	8.530	ng	# 25
57) 2,4-Dinitrotoluene	9.598	165	21777	6.637	ng	# 15
67) 4-Bromophenyl-phenylether	10.393	248	15671	5.014	ng	# 1
77) Benzidine	12.663	184	11229	2.751	ng	# 94
88) Benzo(b)fluoranthene	14.716	252	23316	2.290	ng	# 98
89) Benzo(k)fluoranthene	14.716	252	23316	2.249	ng	# 97

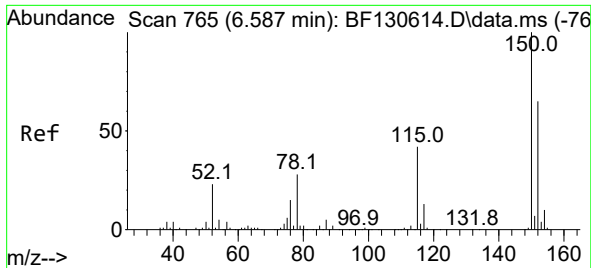
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 18 03:15:54 2022
Response via : Initial Calibration

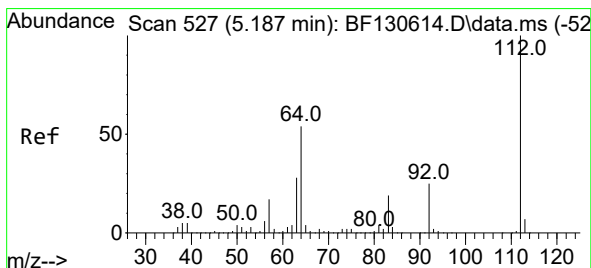
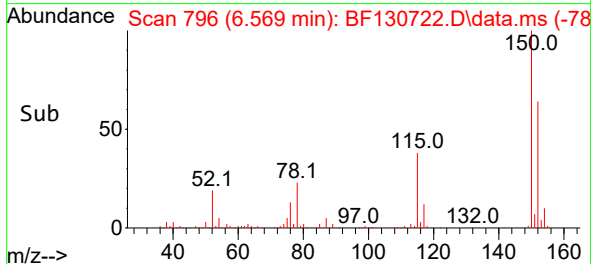
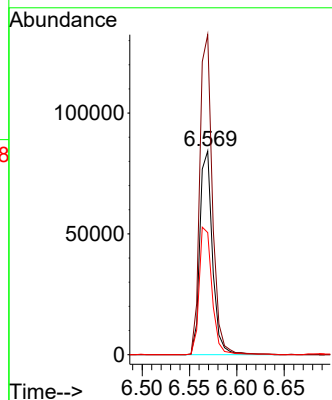
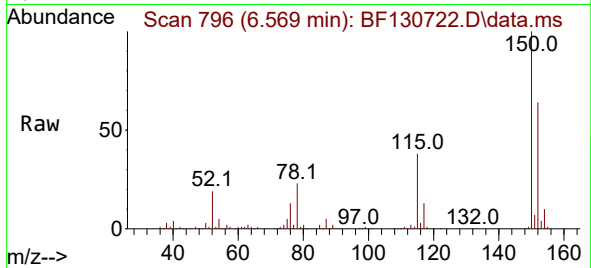




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

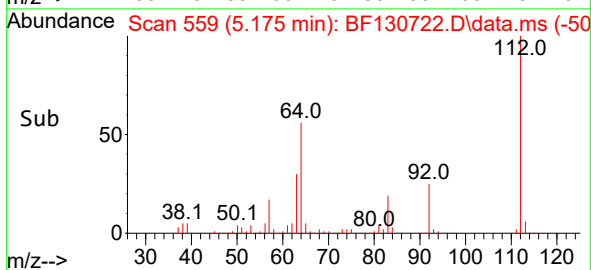
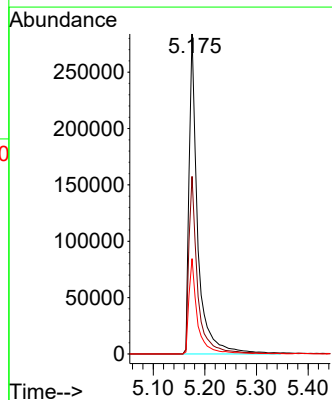
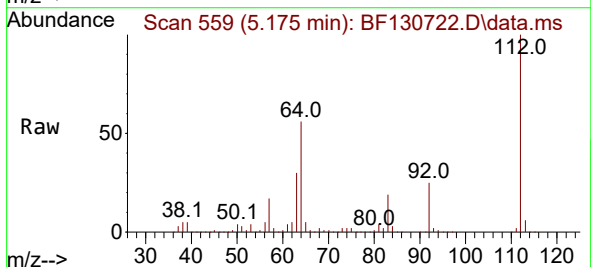
Instrument :
BNA_F
ClientSampleId :
PIT-14-EXCAVATION-WATER

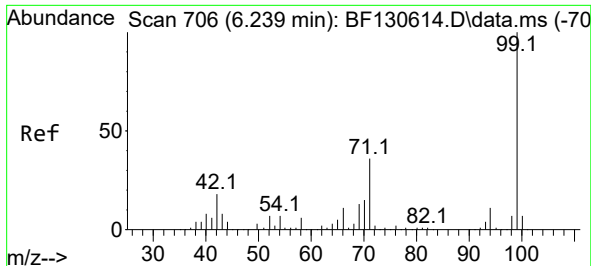
Tgt Ion:152 Resp: 78487
Ion Ratio Lower Upper
152 100
150 157.1 123.8 185.6
115 60.0 52.2 78.4



#5
2-Fluorophenol
Concen: 75.961 ng
RT: 5.175 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Tgt Ion:112 Resp: 330750
Ion Ratio Lower Upper
112 100
64 55.5 43.5 65.3
63 29.8 22.6 34.0

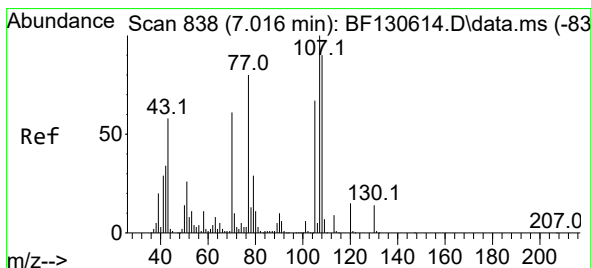
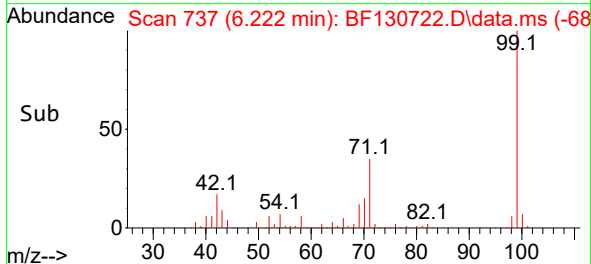
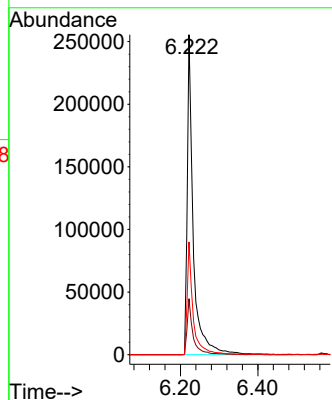
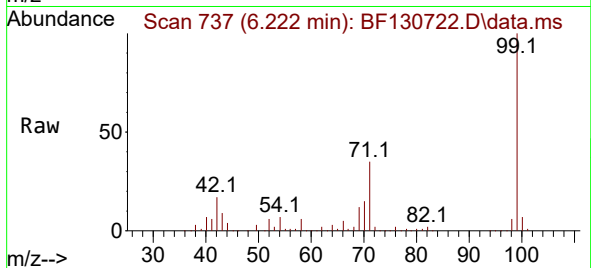




#7
Phenol-d6
Concen: 50.757 ng
RT: 6.222 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

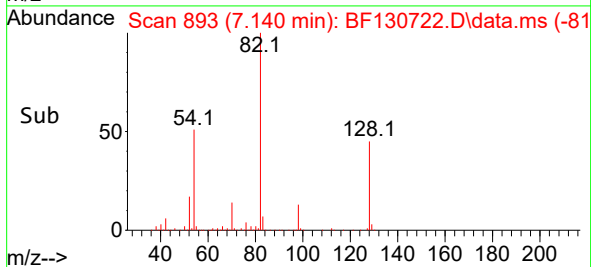
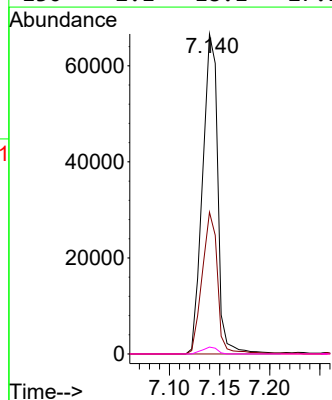
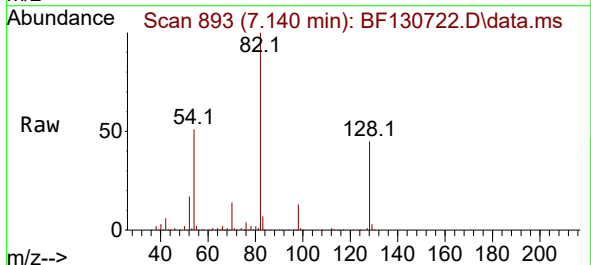
Instrument :
BNA_F
ClientSampleId :
PIT-14-EXCAVATION-WATER

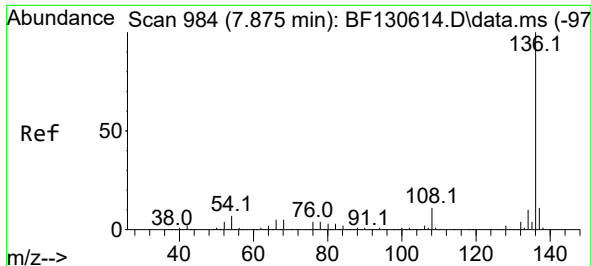
Tgt Ion: 99 Resp: 277869
Ion Ratio Lower Upper
99 100
42 17.5 14.0 21.0
71 35.2 28.8 43.2



#19
n-Nitroso-di-n-propylamine
Concen: 20.043 ng
RT: 7.140 min Scan# 893
Delta R.T. 0.136 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

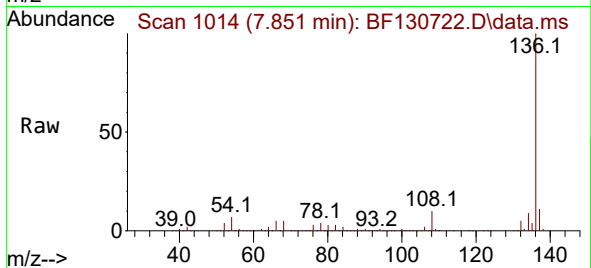
Tgt Ion: 70 Resp: 70794
Ion Ratio Lower Upper
70 100
42 44.3 44.3 66.5#
101 0.0 7.9 11.9#
130 2.1 18.1 27.1#



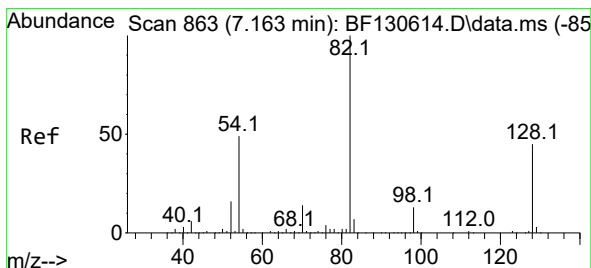
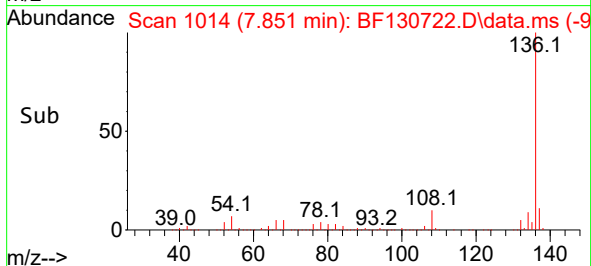
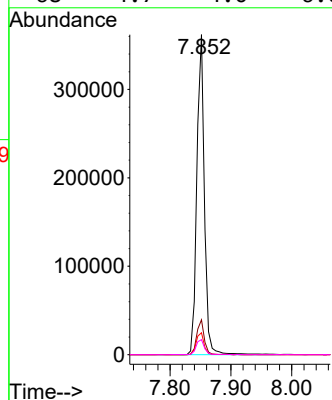


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.851 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Instrument :
BNA_F
ClientSampleId :
PIT-14-EXCAVATION-WATER

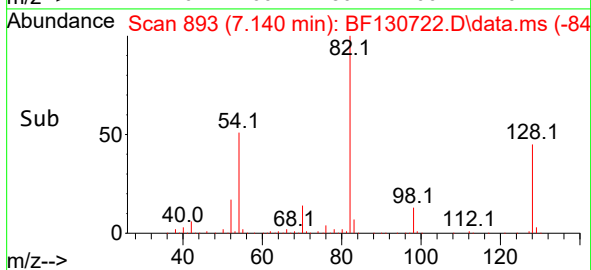
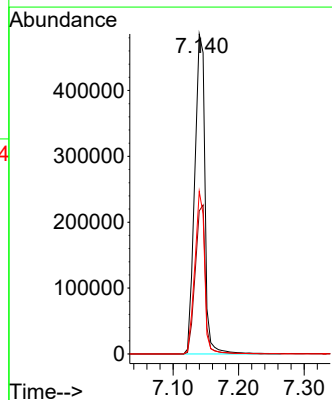
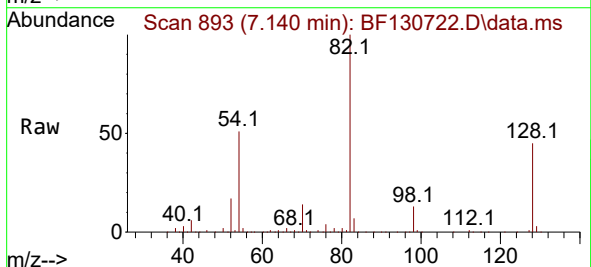


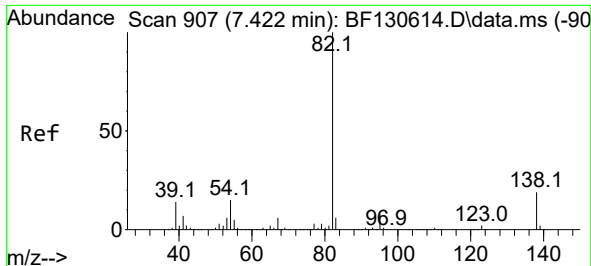
Tgt Ion:136 Resp: 312023
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 6.8 5.5 8.3
68 4.7 4.0 6.0



#23
Nitrobenzene-d5
Concen: 92.571 ng
RT: 7.140 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Tgt Ion: 82 Resp: 529104
Ion Ratio Lower Upper
82 100
128 44.7 35.8 53.6
54 50.8 39.3 58.9

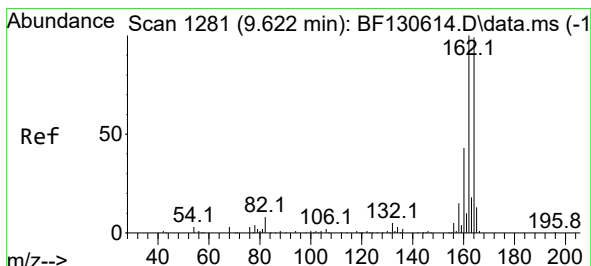
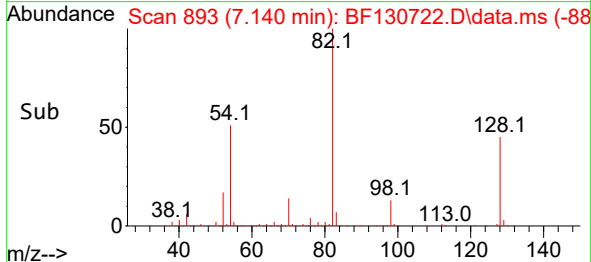
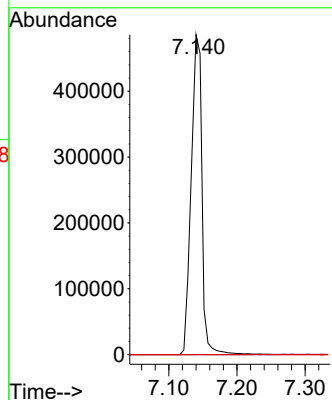
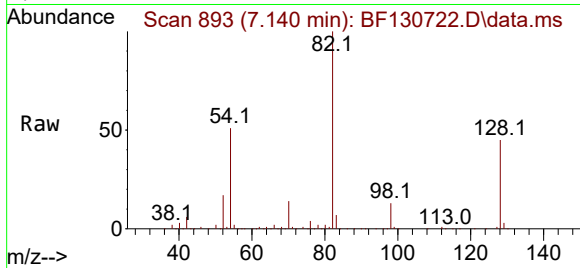




#25
Isophorone
Concen: 55.619 ng
RT: 7.140 min Scan# 893
Delta R.T. -0.270 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

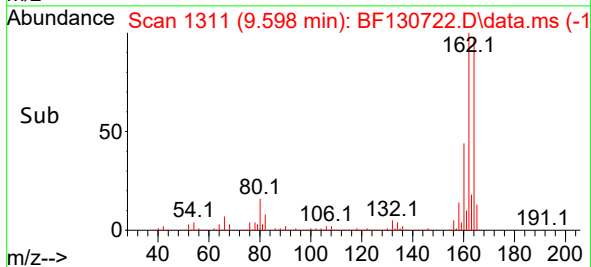
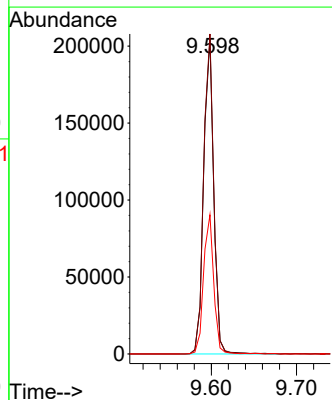
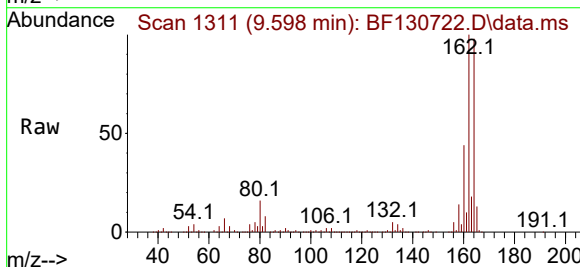
Instrument :
BNA_F
ClientSampleId :
PIT-14-EXCAVATION-WATER

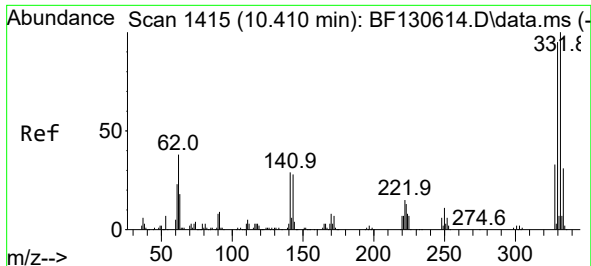
Tgt Ion: 82 Resp: 529099
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.598 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Tgt Ion: 164 Resp: 168123
Ion Ratio Lower Upper
164 100
162 101.5 81.0 121.4
160 44.2 34.5 51.7

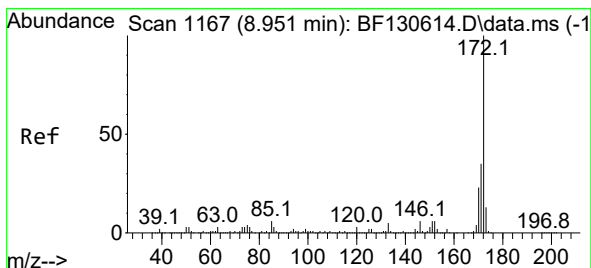
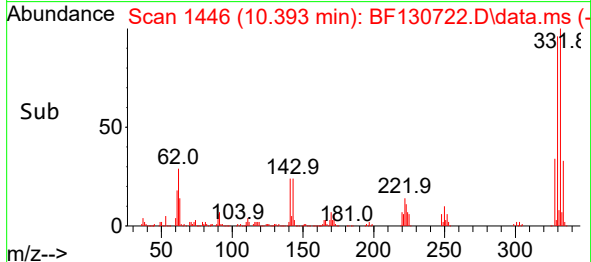
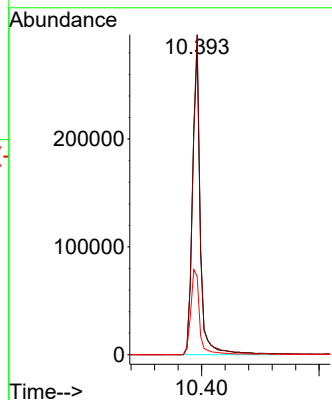
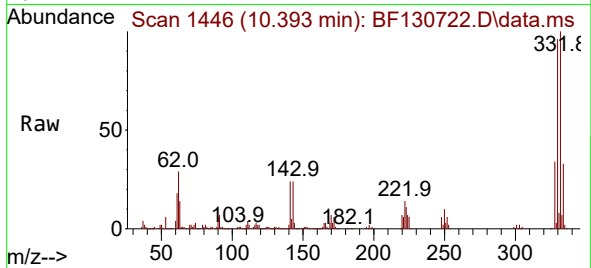




#42
2,4,6-Tribromophenol
Concen: 159.832 ng
RT: 10.393 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

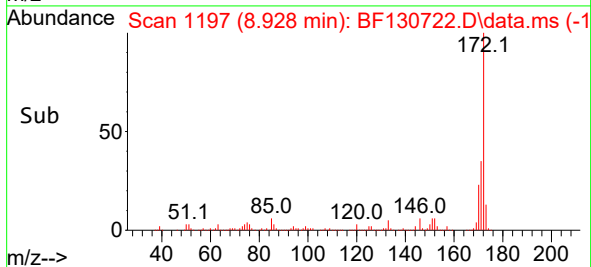
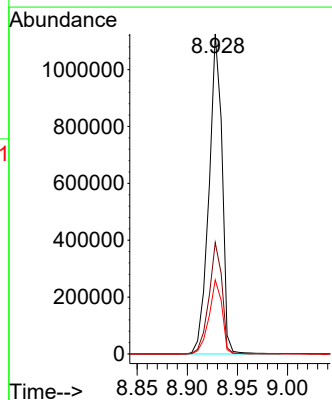
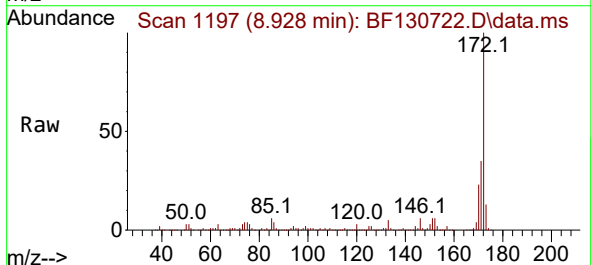
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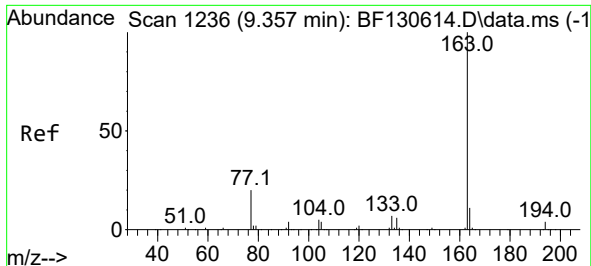
Tgt Ion: 330 Resp: 262935
Ion Ratio Lower Upper
330 100
332 102.3 84.2 126.4
141 31.3 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 92.787 ng
RT: 8.928 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Tgt Ion: 172 Resp: 1029846
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.2 18.6 27.8

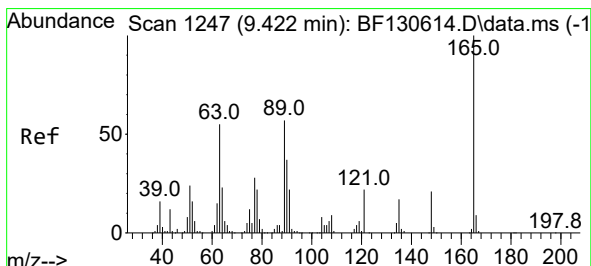
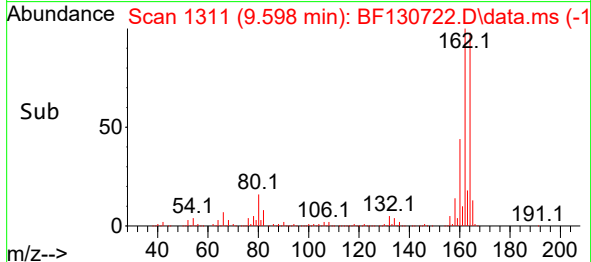
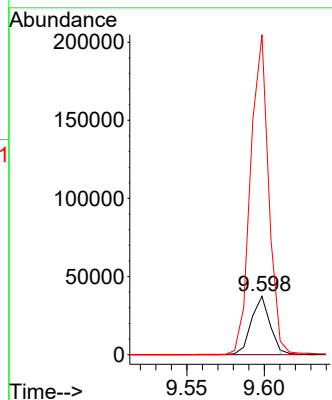
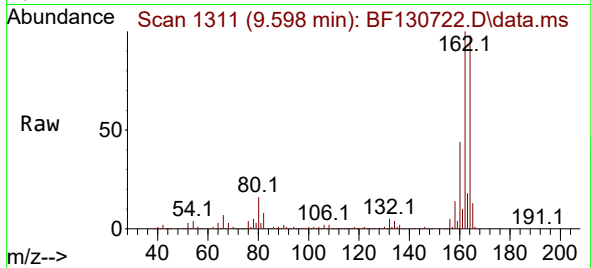




#50
Dimethylphthalate
Concen: 2.703 ng
RT: 9.598 min Scan# 1311
Delta R.T. 0.253 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

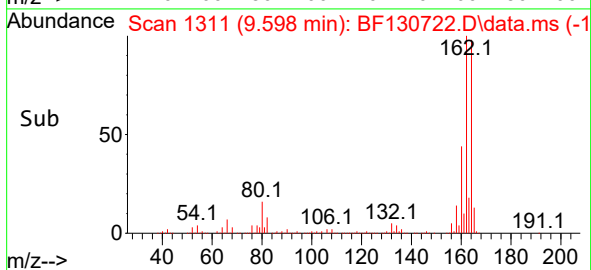
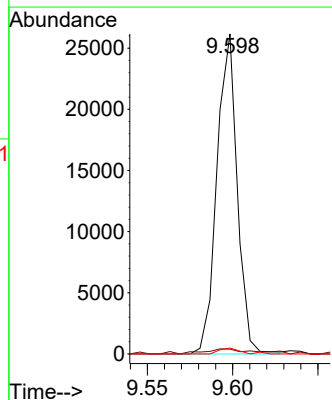
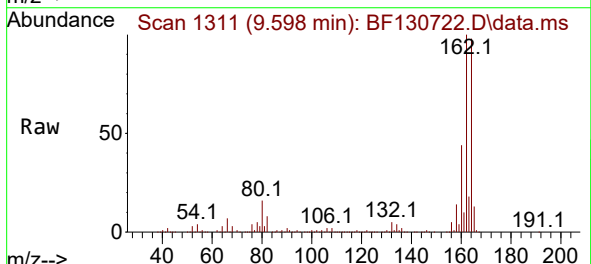
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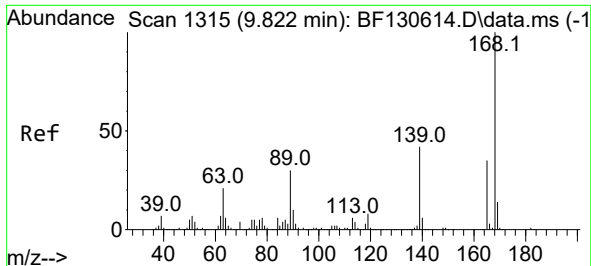
Tgt Ion:163 Resp: 31453
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 547.2 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.530 ng
RT: 9.598 min Scan# 1311
Delta R.T. 0.188 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Tgt Ion:165 Resp: 21777
Ion Ratio Lower Upper
165 100
63 1.5 45.3 67.9#
89 1.9 45.6 68.4#

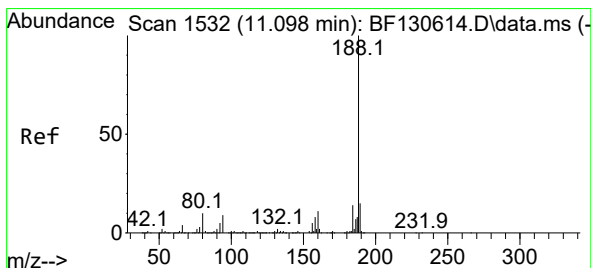
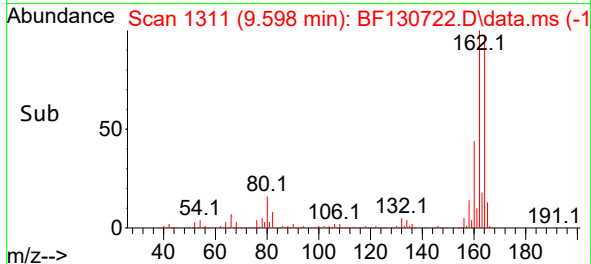
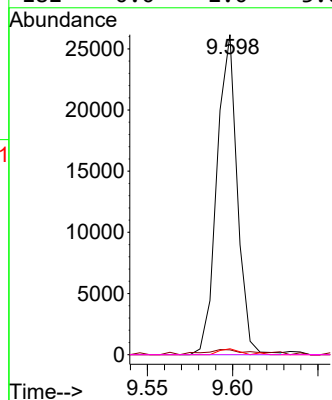
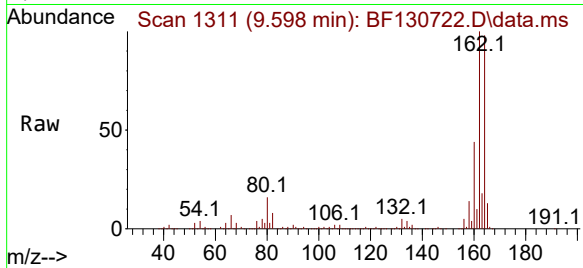




#57
2,4-Dinitrotoluene
Concen: 6.637 ng
RT: 9.598 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

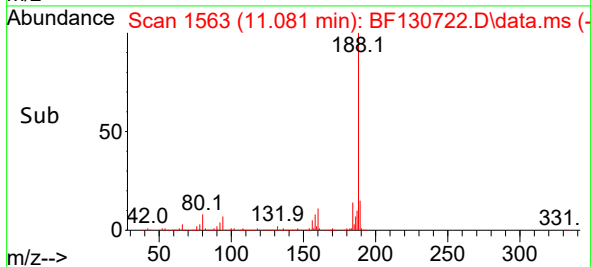
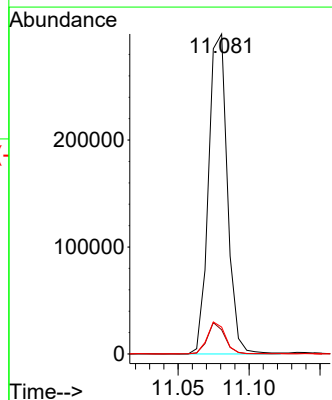
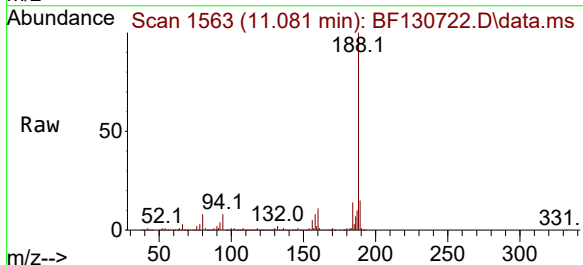
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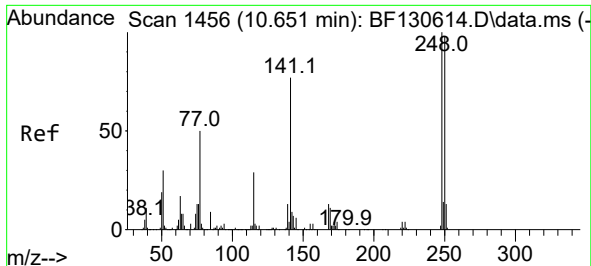
Tgt Ion:165 Resp: 21777
Ion Ratio Lower Upper
165 100
63 1.5 50.6 76.0#
89 1.9 68.6 102.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.081 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Tgt Ion:188 Resp: 276240
Ion Ratio Lower Upper
188 100
94 7.6 7.4 11.2
80 8.4 8.0 12.0

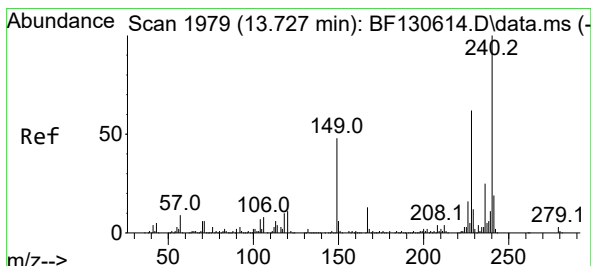
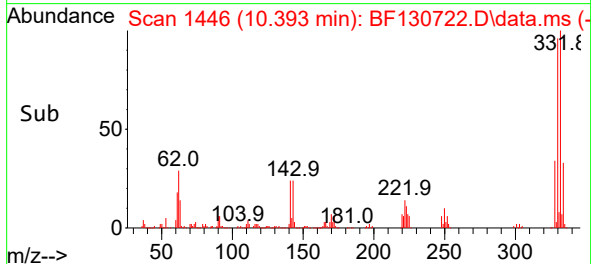
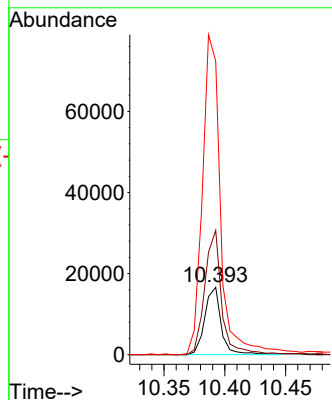
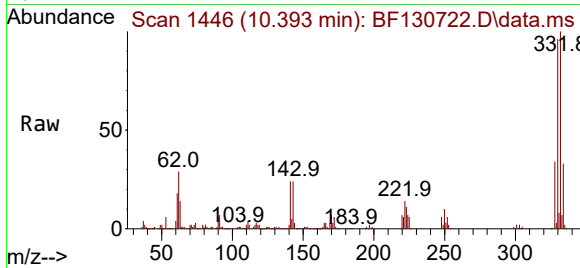




#67
4-Bromophenyl-phenylether
Concen: 5.014 ng
RT: 10.393 min Scan# 1456
Delta R.T. -0.247 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

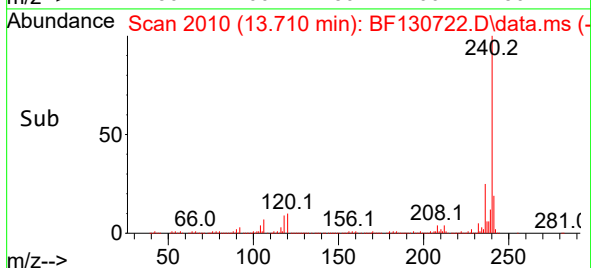
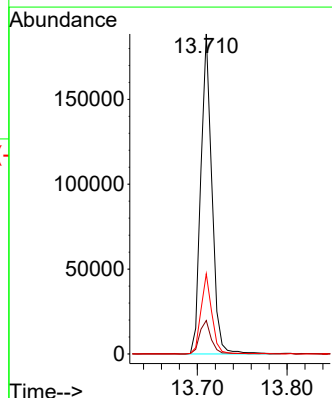
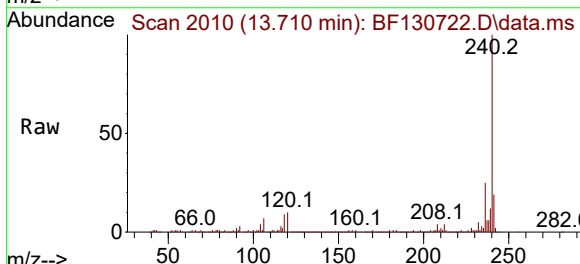
Instrument :
BNA_F
ClientSampleId :
PIT-14-EXCAVATION-WATER

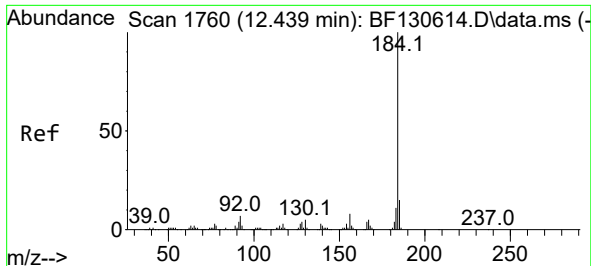
Tgt Ion:248 Resp: 15671
Ion Ratio Lower Upper
248 100
250 184.6 78.7 118.1#
141 435.4 61.6 92.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Tgt Ion:240 Resp: 161477
Ion Ratio Lower Upper
240 100
120 10.4 8.6 13.0
236 25.0 20.2 30.4

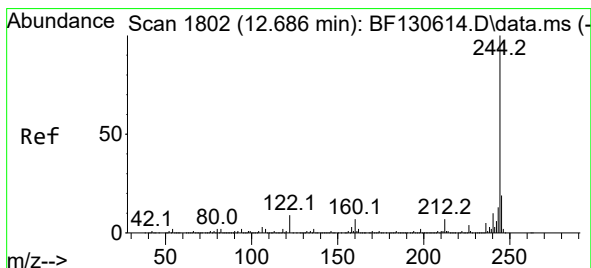
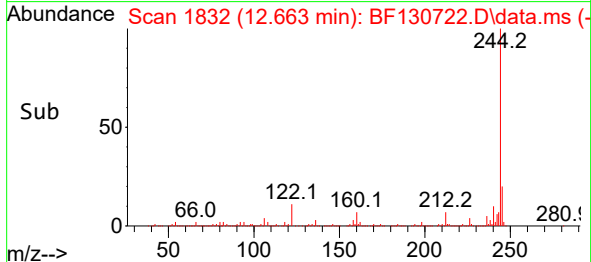
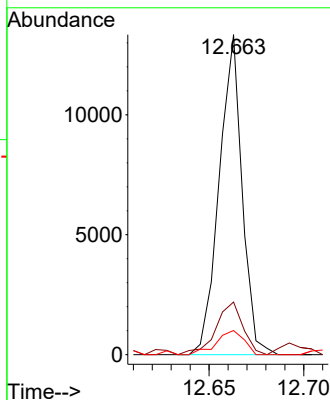
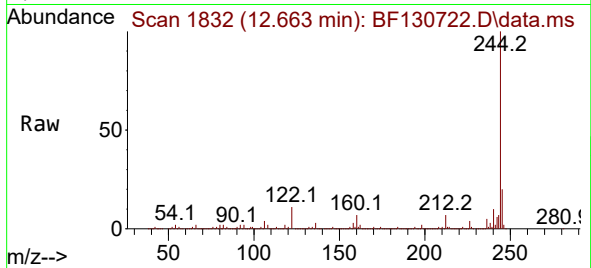




#77
Benzidine
Concen: 2.751 ng
RT: 12.663 min Scan# 1832
Delta R.T. 0.236 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

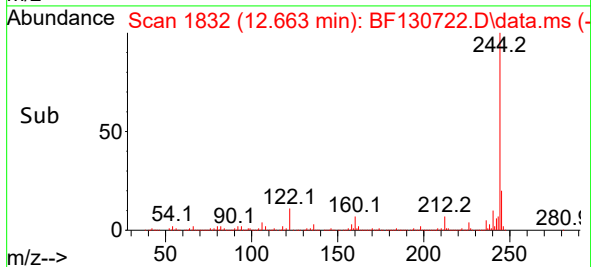
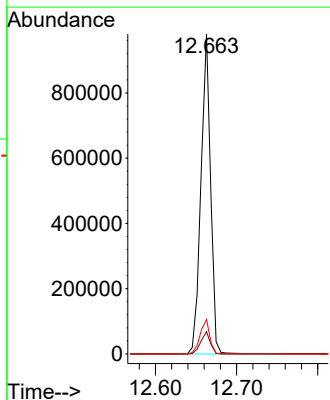
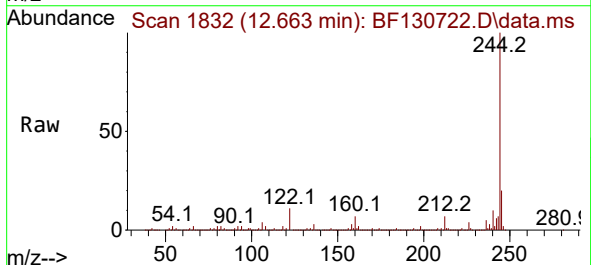
Instrument :
BNA_F
ClientSampleId :
PIT-14-EXCAVATION-WATER

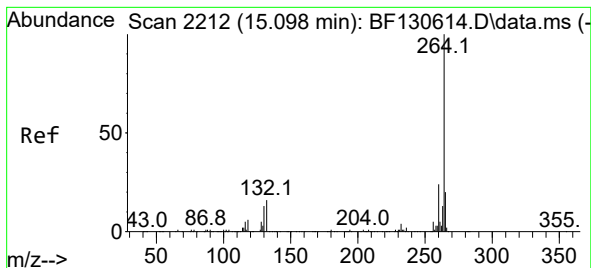
Tgt Ion:184 Resp: 11229
Ion Ratio Lower Upper
184 100
185 16.5 12.0 18.0
183 7.6 9.0 13.4#



#79
Terphenyl-d14
Concen: 83.140 ng
RT: 12.663 min Scan# 1832
Delta R.T. -0.012 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Tgt Ion:244 Resp: 808880
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 10.8 7.5 11.3



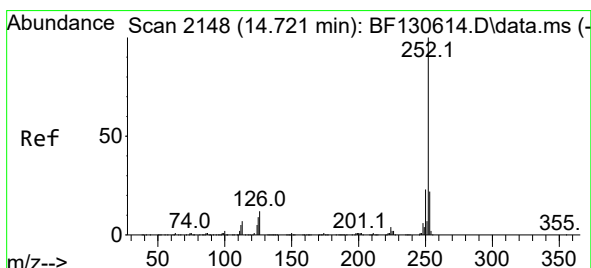
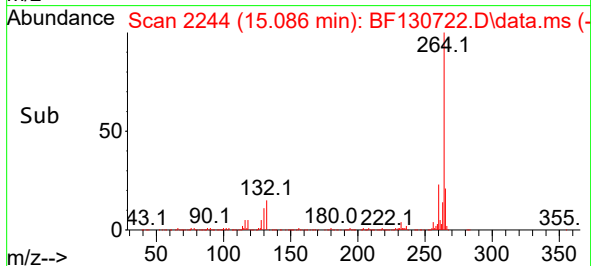
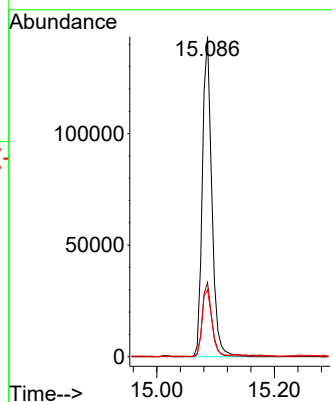
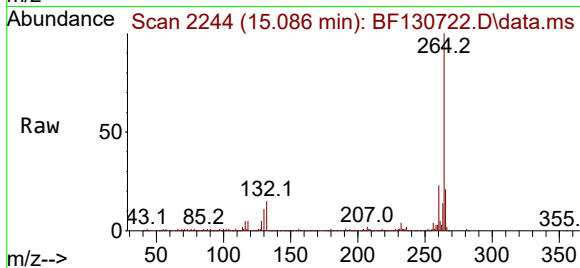


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.086 min Scan# 2180
Delta R.T. 0.000 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Instrument :
BNA_F
ClientSampleId :
PIT-14-EXCAVATION-WATER

Tgt Ion:264 Resp: 160791

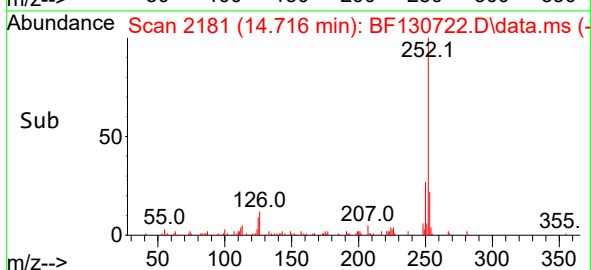
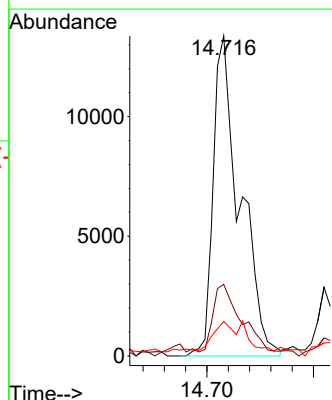
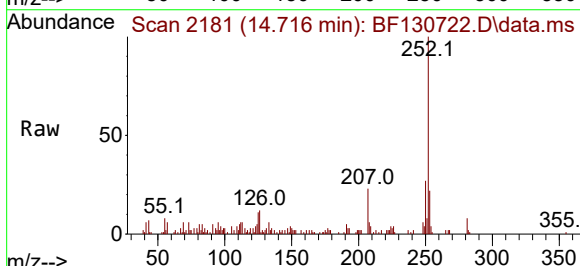
Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	20.9	16.4	24.6

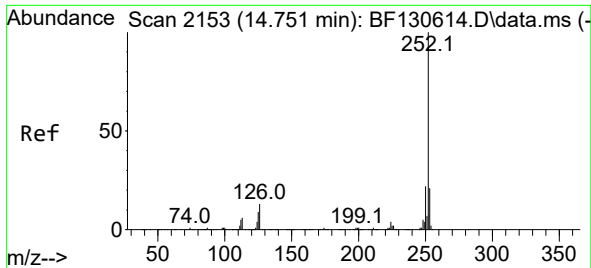


#88
Benzo(b)fluoranthene
Concen: 2.290 ng
RT: 14.716 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BF130722.D
Acq: 19 Oct 2022 21:01

Tgt Ion:252 Resp: 23316

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.4	26.2
125	10.8	7.4	11.0





#89

Benzo(k)fluoranthene

Concen: 2.249 ng

RT: 14.716 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF130722.D

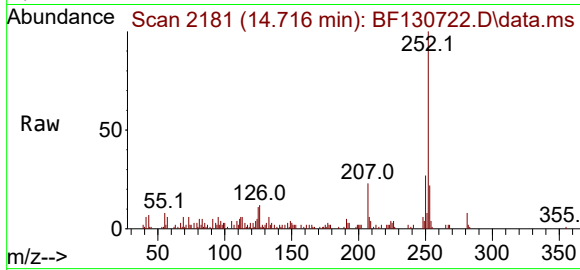
Acq: 19 Oct 2022 21:01

Instrument :

BNA_F

ClientSampleId :

PIT-14-EXCAVATION-WATER



Tgt Ion:252 Resp: 23316

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.4

125 10.8 7.2 10.8#

