

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021023\
 Data File : BF132391.D
 Acq On : 10 Feb 2023 17:09
 Operator : CG\JU
 Sample : 01489-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BARN-EAST-END-DRAIN

Quant Time: Feb 11 00:34:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 11 00:16:13 2023
 Response via : Initial Calibration

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

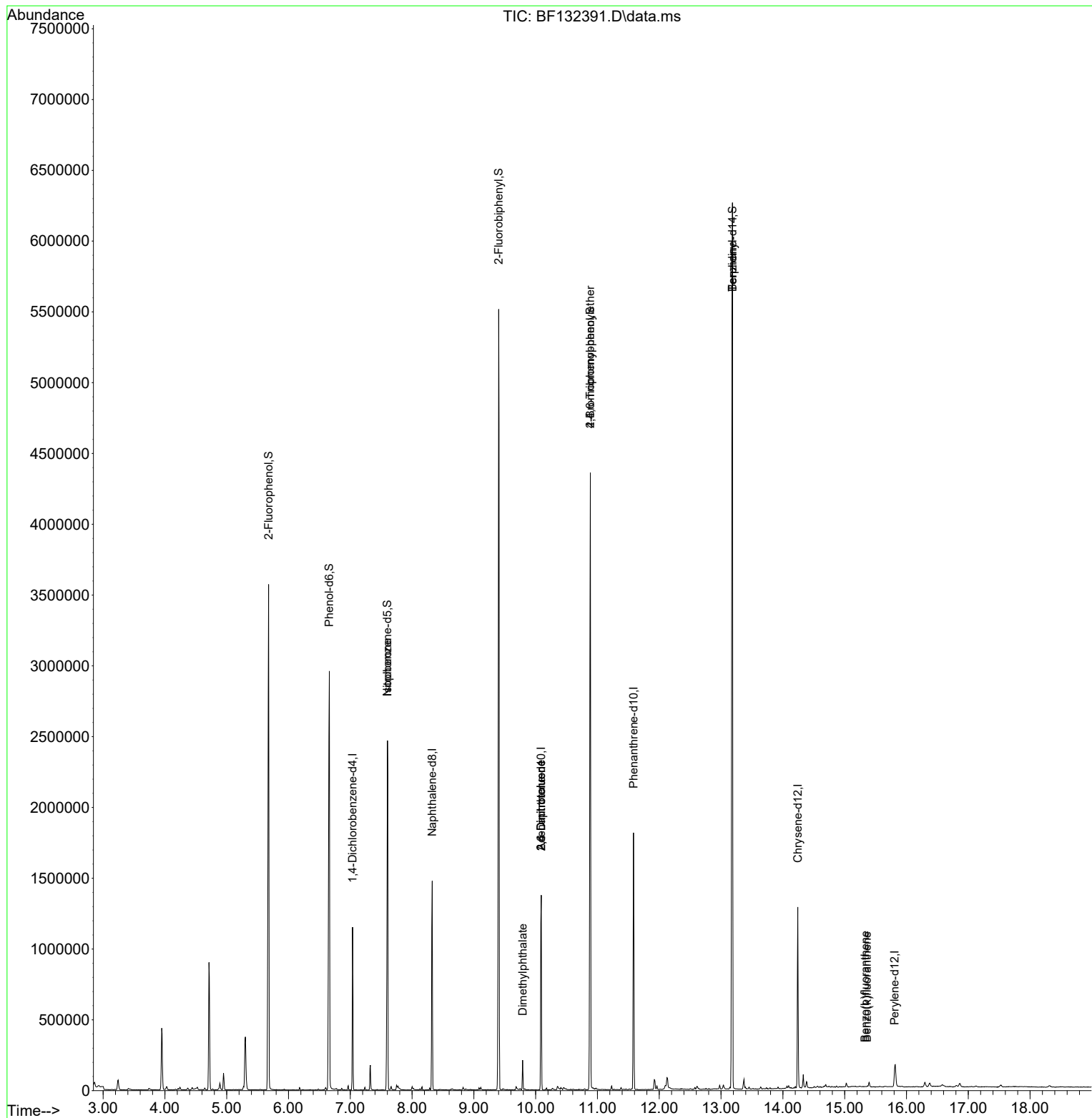
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.037	152	172361	20.000	ng	0.00
21) Naphthalene-d8	8.325	136	652941	20.000	ng	# 0.00
39) Acenaphthene-d10	10.089	164	258308	20.000	ng	0.00
64) Phenanthrene-d10	11.583	188	607418	20.000	ng	0.00
76) Chrysene-d12	14.242	240	315346	20.000	ng	0.00
86) Perylene-d12	15.807	264	13497	20.000	ng	#-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.678	112	1272033	118.627	ng	0.02
7) Phenol-d6	6.660	99	1310650	99.142	ng	0.00
23) Nitrobenzene-d5	7.601	82	992199	84.561	ng	0.00
42) 2,4,6-Tribromophenol	10.884	330	607617	228.742	ng	0.00
45) 2-Fluorobiphenyl	9.401	172	1841396	110.085	ng	0.00
79) Terphenyl-d14	13.183	244	2301185	141.160	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.596	77	727	Below Cal	#	79
25) Isophorone	7.601	82	990403	44.472	ng	# 64
50) Dimethylphthalate	9.789	163	73561	4.071	ng	99
51) 2,6-Dinitrotoluene	10.089	165	33145	8.213	ng	# 25
57) 2,4-Dinitrotoluene	10.089	165	33145	6.323	ng	# 24
67) 4-Bromophenyl-phenylether	10.884	248	34384	5.528	ng	# 1
77) Benzidine	13.183	184	36393	3.301	ng	98
88) Benzo(b)fluoranthene	15.330	252	1947	2.269	ng	# 72
89) Benzo(k)fluoranthene	15.360	252	1722	2.103	ng	# 90

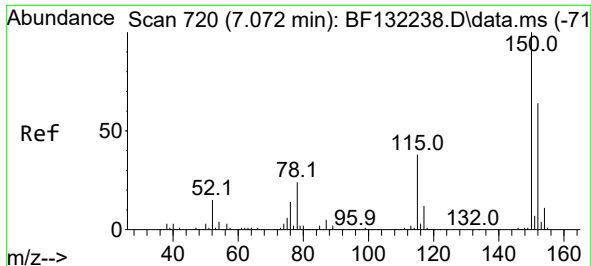
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021023\
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BARN-EAST-END-DRAIN

Quant Time: Feb 11 00:34:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 11 00:16:13 2023
Response via : Initial Calibration

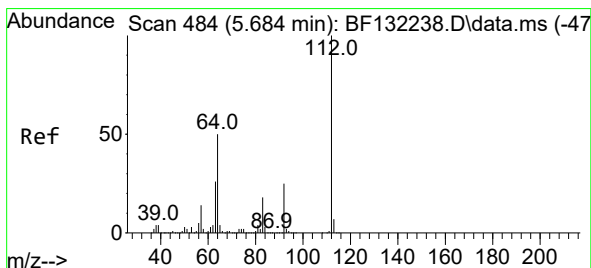
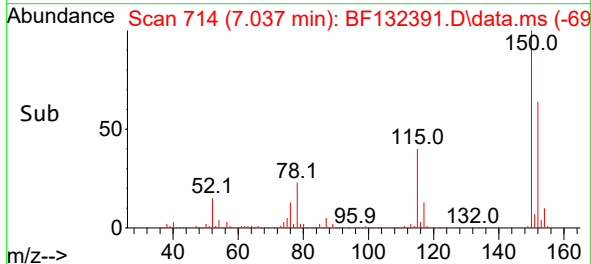
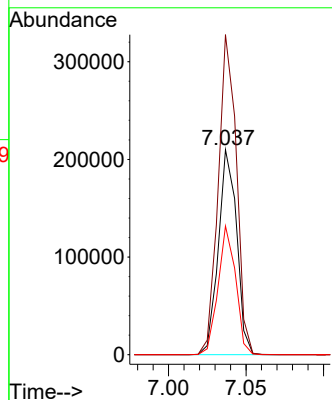
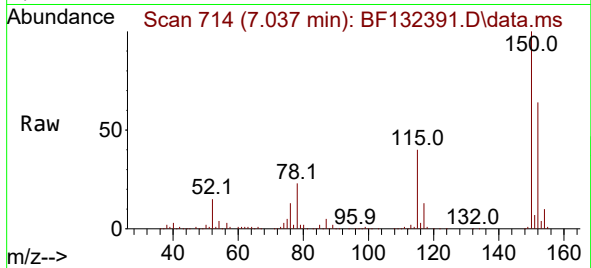




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.037 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

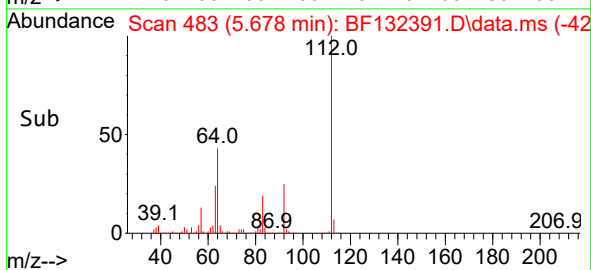
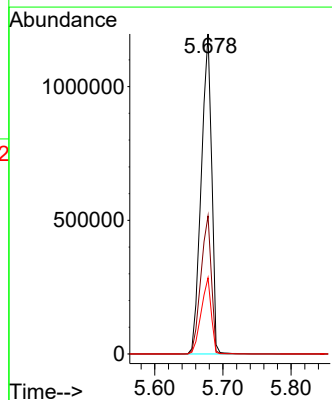
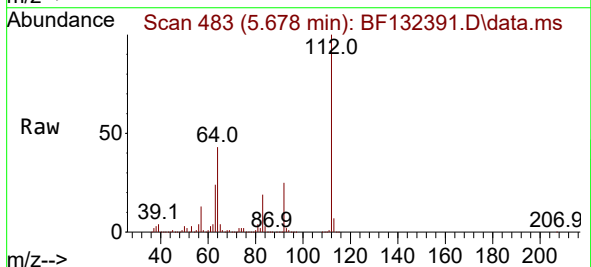
Instrument :
BNA_F
ClientSampleId :
BARN-EAST-END-DRAIN

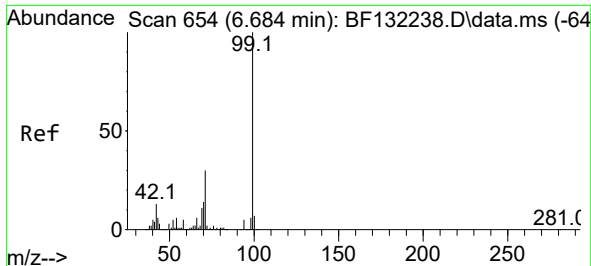
Tgt Ion:152 Resp: 172361
Ion Ratio Lower Upper
152 100
150 156.2 124.2 186.2
115 62.8 47.3 70.9



#5
2-Fluorophenol
Concen: 118.627 ng
RT: 5.678 min Scan# 483
Delta R.T. 0.024 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

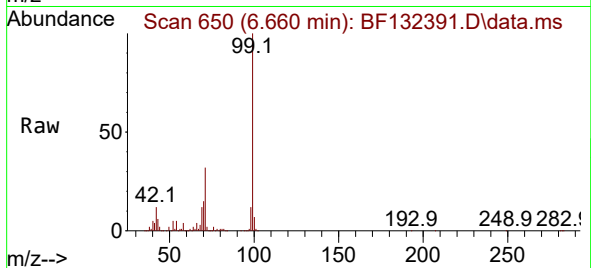
Tgt Ion:112 Resp: 1272033
Ion Ratio Lower Upper
112 100
64 43.2 40.0 60.0
63 23.8 20.5 30.7



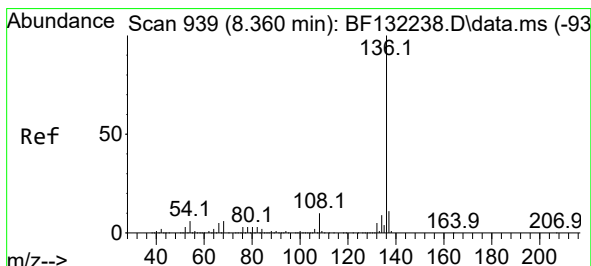
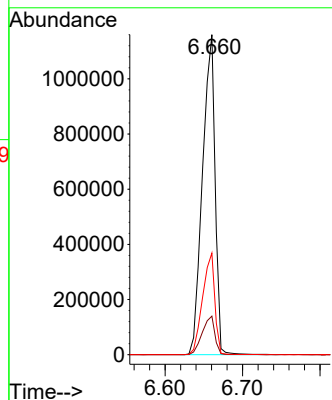
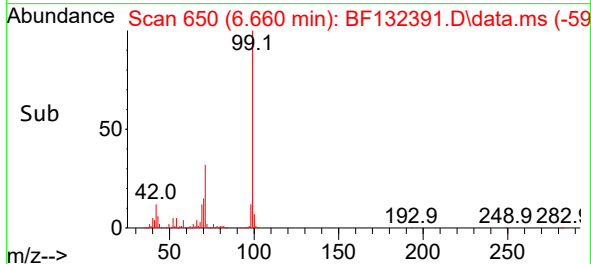


#7
Phenol-d6
Concen: 99.142 ng
RT: 6.660 min Scan# 610
Delta R.T. 0.000 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

Instrument :
BNA_F
ClientSampleId :
BARN-EAST-END-DRAIN

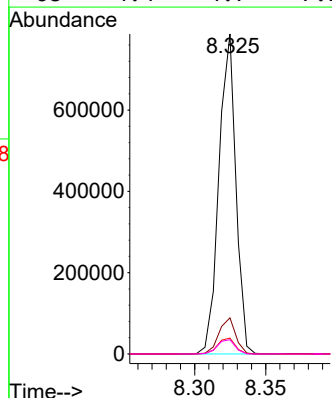
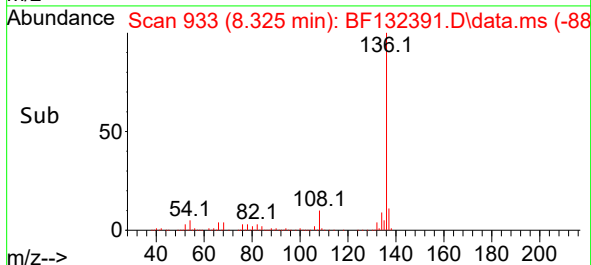
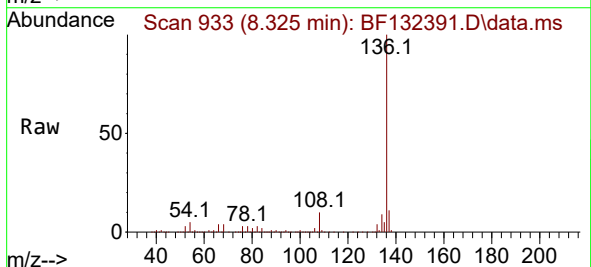


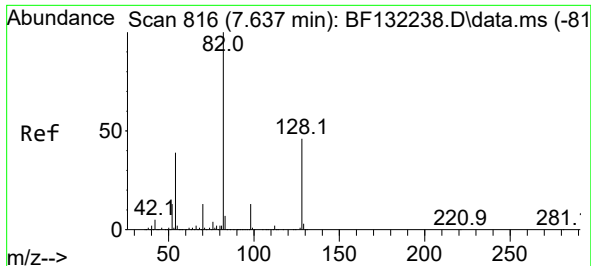
Tgt Ion: 99 Resp: 1310650
Ion Ratio Lower Upper
99 100
42 12.0 10.1 15.1
71 31.8 24.2 36.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.325 min Scan# 933
Delta R.T. 0.000 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

Tgt Ion:136 Resp: 652941
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 5.0 4.9 7.3
68 4.4 4.7 7.1#

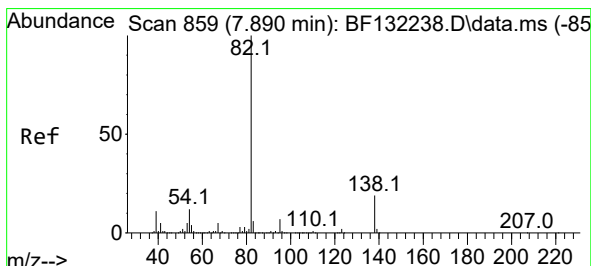
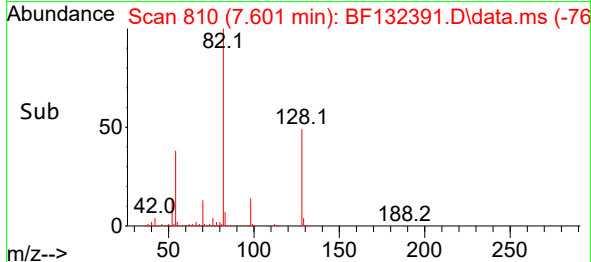
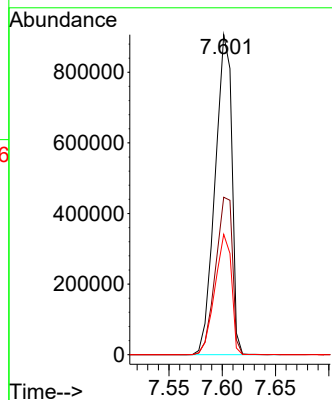
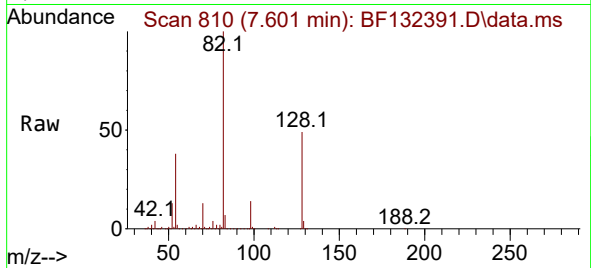




#23
Nitrobenzene-d5
Concen: 84.561 ng
RT: 7.601 min Scan# 810
Delta R.T. -0.006 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

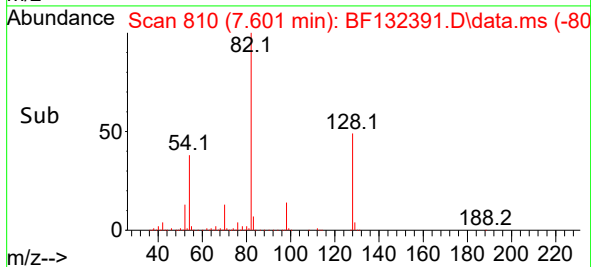
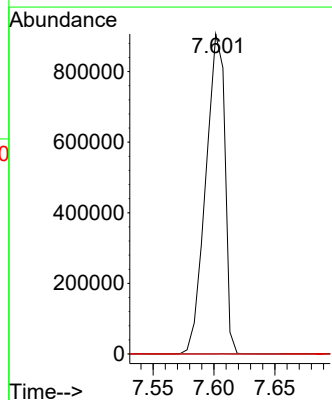
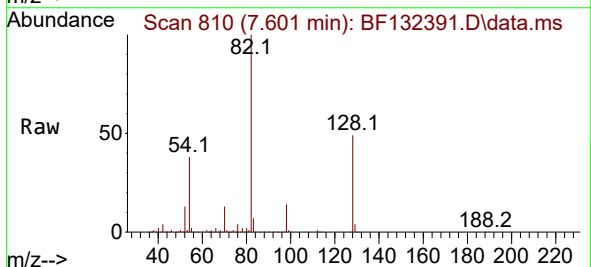
Instrument :
BNA_F
ClientSampleId :
BARN-EAST-END-DRAIN

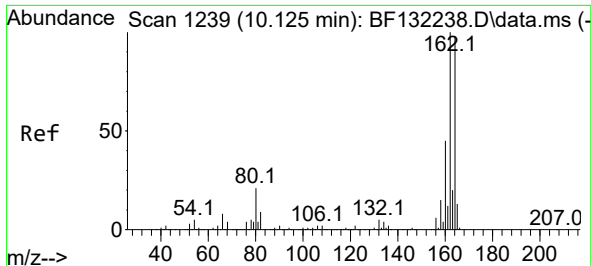
Tgt Ion: 82 Resp: 992199
Ion Ratio Lower Upper
82 100
128 49.2 37.0 55.4
54 37.6 31.5 47.3



#25
Isophorone
Concen: 44.472 ng
RT: 7.601 min Scan# 810
Delta R.T. -0.259 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

Tgt Ion: 82 Resp: 990403
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#

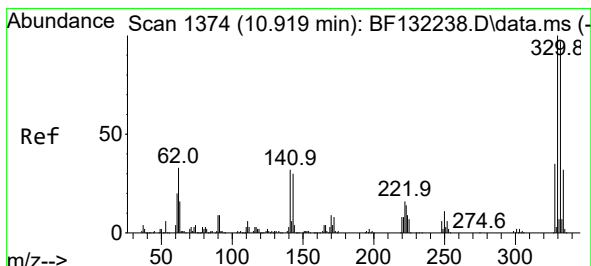
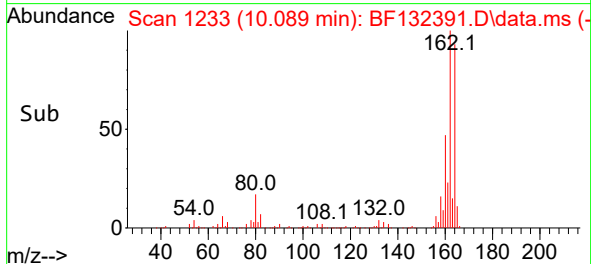
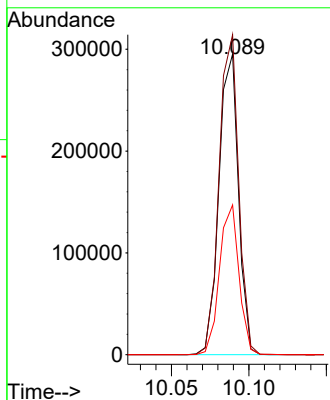
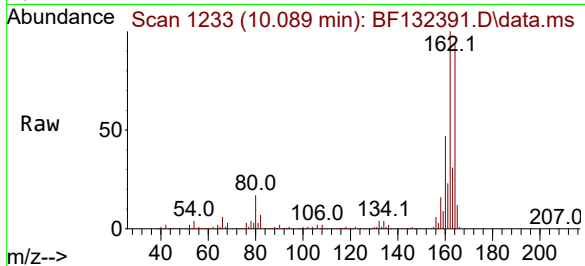




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.089 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

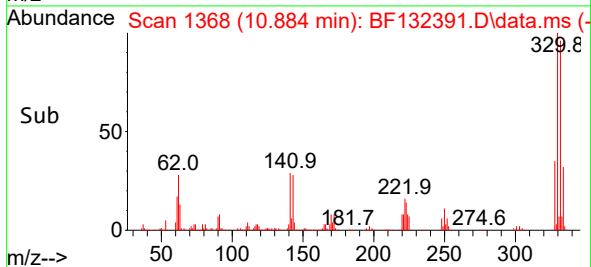
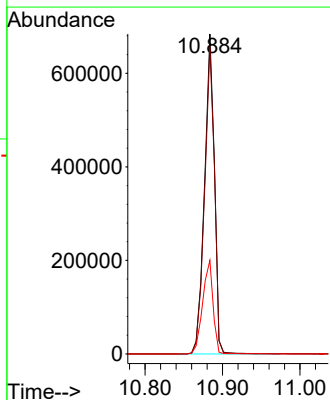
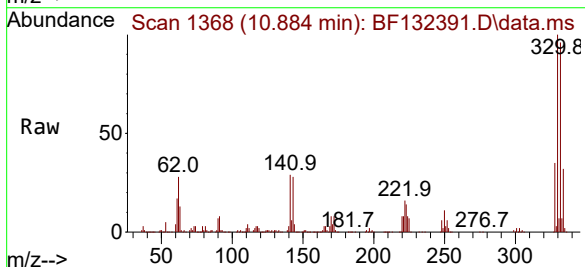
Instrument :
BNA_F
ClientSampleId :
BARN-EAST-END-DRAIN

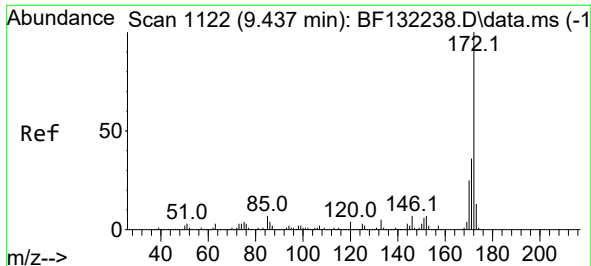
Tgt Ion:164 Resp: 258308
Ion Ratio Lower Upper
164 100
162 106.5 82.0 123.0
160 49.8 37.1 55.7



#42
2,4,6-Tribromophenol
Concen: 228.742 ng
RT: 10.884 min Scan# 1368
Delta R.T. 0.000 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

Tgt Ion:330 Resp: 607617
Ion Ratio Lower Upper
330 100
332 96.4 77.9 116.9
141 30.8 31.0 46.4#

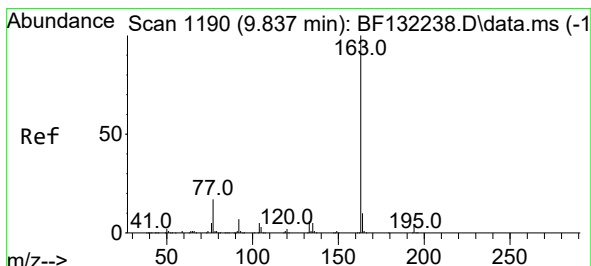
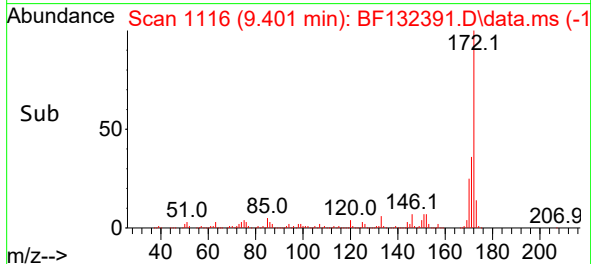
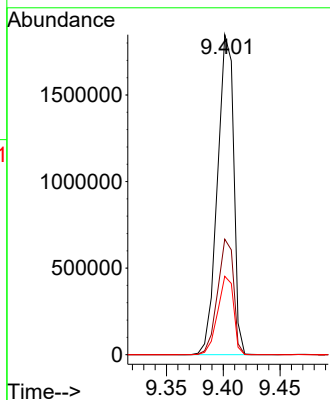
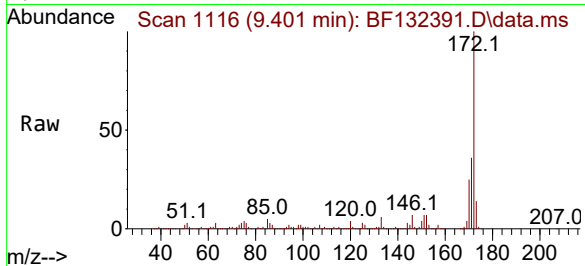




#45
2-Fluorobiphenyl
Concen: 110.085 ng
RT: 9.401 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

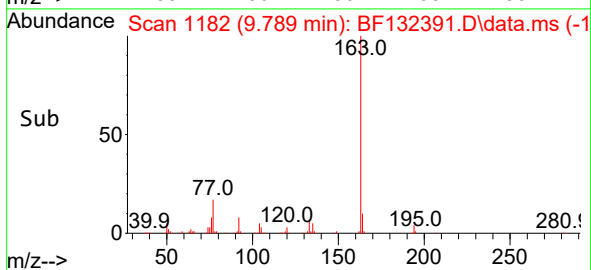
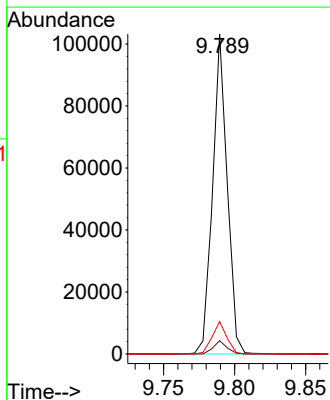
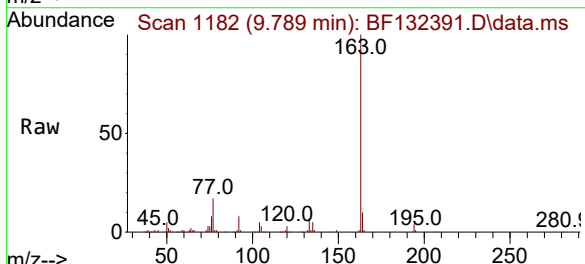
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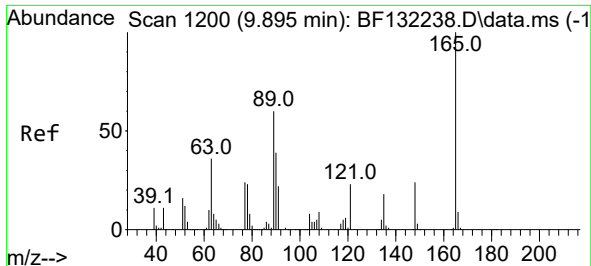
Tgt Ion:172 Resp: 1841396
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 24.5 19.7 29.5



#50
Dimethylphthalate
Concen: 4.071 ng
RT: 9.789 min Scan# 1182
Delta R.T. -0.018 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

Tgt Ion:163 Resp: 73561
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.4
164 10.1 7.9 11.9

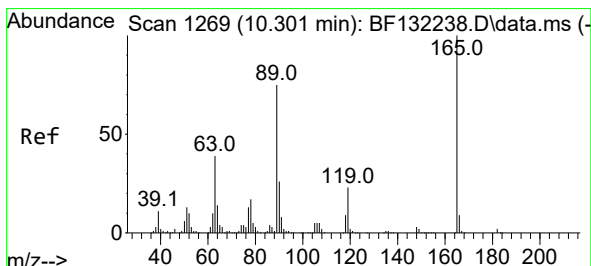
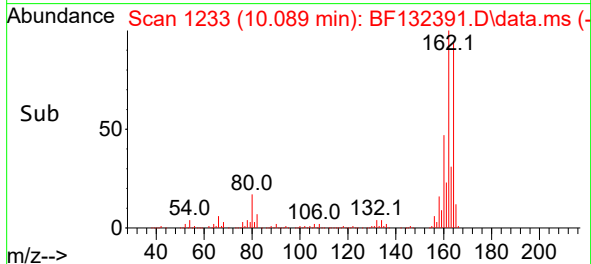
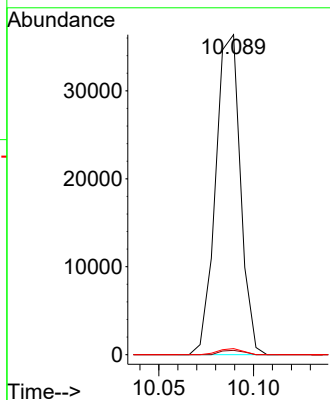
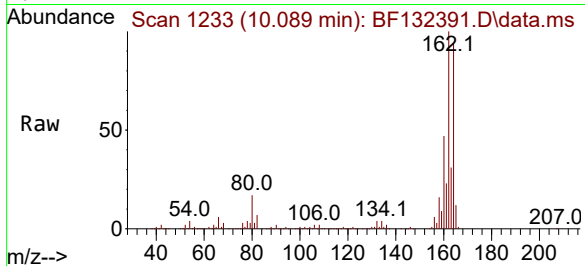




#51
2,6-Dinitrotoluene
Concen: 8.213 ng
RT: 10.089 min Scan# 1233
Delta R.T. 0.218 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

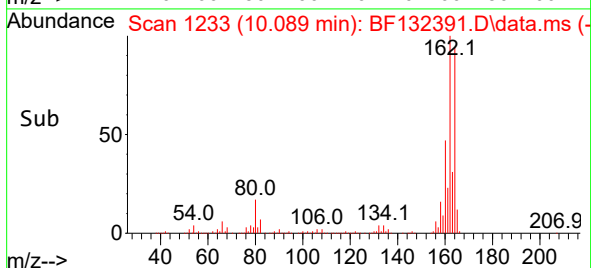
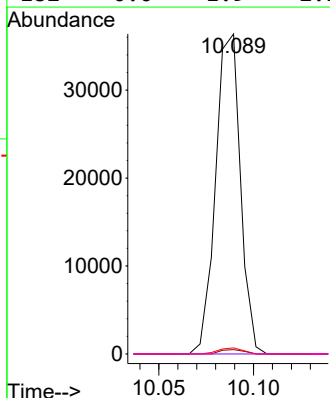
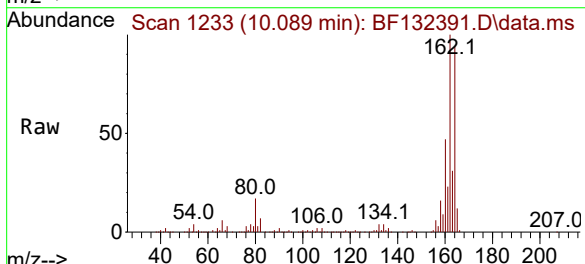
Instrument :
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BARN-EAST-END-DRAIN

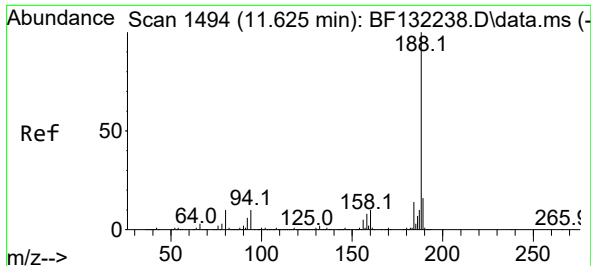
Tgt Ion:165 Resp: 33145
Ion Ratio Lower Upper
165 100
63 1.3 41.5 62.3#
89 1.9 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.323 ng
RT: 10.089 min Scan# 1233
Delta R.T. -0.182 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

Tgt Ion:165 Resp: 33145
Ion Ratio Lower Upper
165 100
63 1.3 30.9 46.3#
89 1.9 60.1 90.1#
182 0.0 1.9 2.9#

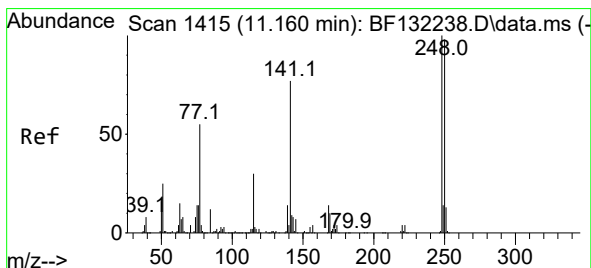
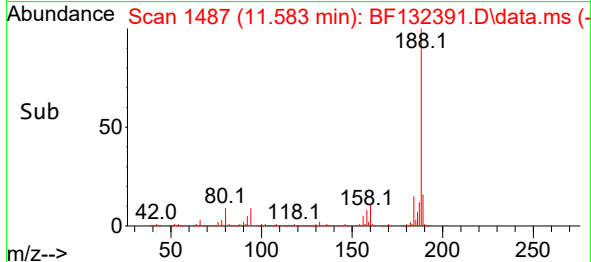
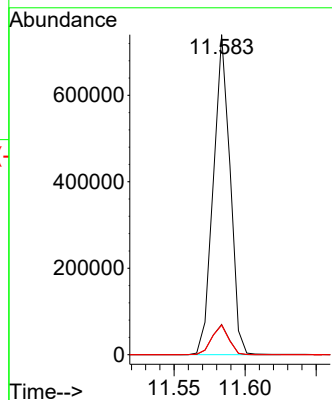
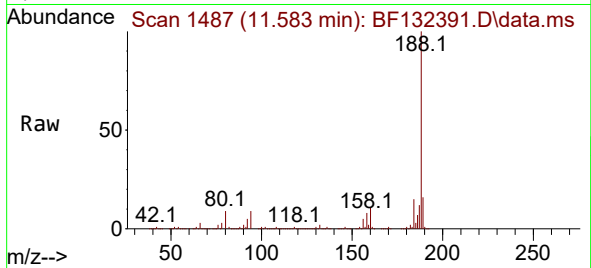




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.583 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

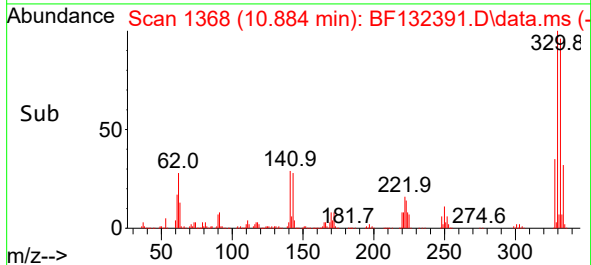
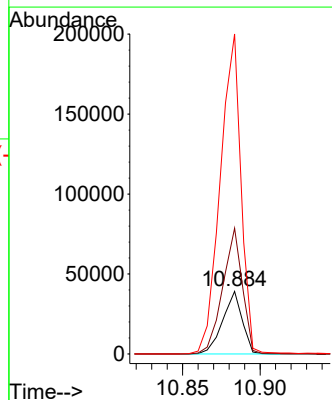
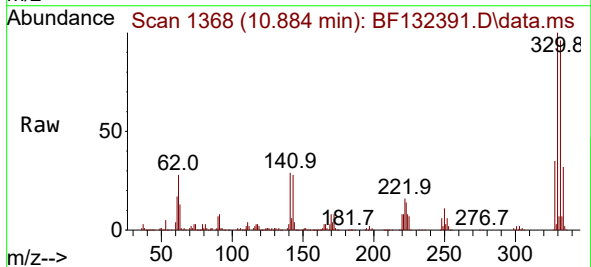
Instrument :
BNA_F
ClientSampleId :
BARN-EAST-END-DRAIN

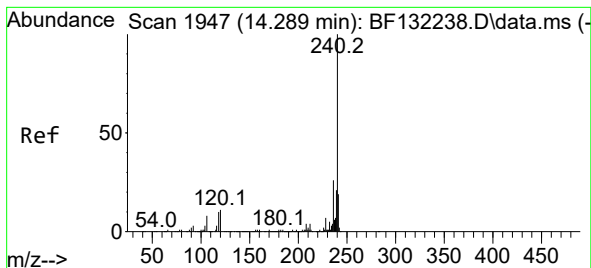
Tgt Ion:188 Resp: 607418
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.2
80 9.2 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 5.528 ng
RT: 10.884 min Scan# 1368
Delta R.T. -0.241 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

Tgt Ion:248 Resp: 34384
Ion Ratio Lower Upper
248 100
250 200.9 78.6 117.8#
141 511.3 61.6 92.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.242 min Scan# 1939

Delta R.T. -0.006 min

Lab File: BF132391.D

Acq: 10 Feb 2023 17:09

Instrument :

BNA_F

ClientSampleId :

BARN-EAST-END-DRAIN

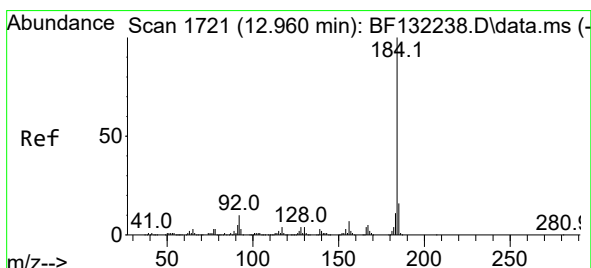
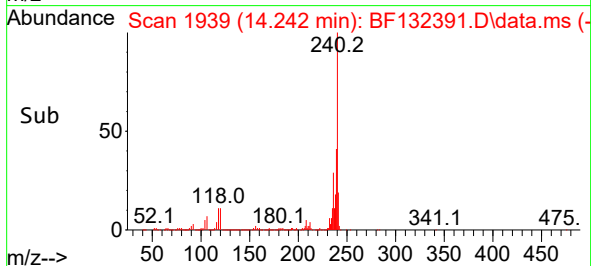
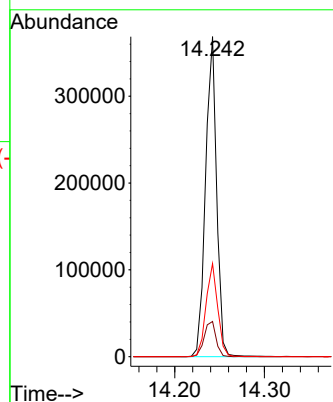
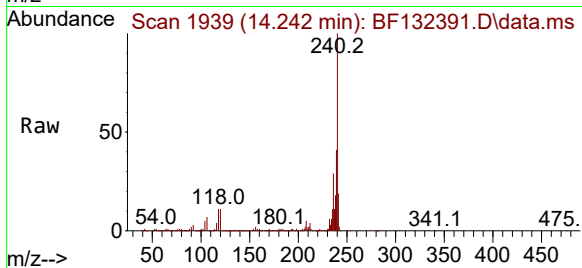
Tgt Ion:240 Resp: 315346

Ion Ratio Lower Upper

240 100

120 11.0 8.8 13.2

236 29.1 21.0 31.6



#77

Benzidine

Concen: 3.301 ng

RT: 13.183 min Scan# 1759

Delta R.T. 0.253 min

Lab File: BF132391.D

Acq: 10 Feb 2023 17:09

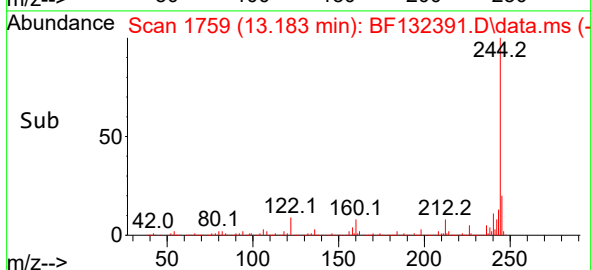
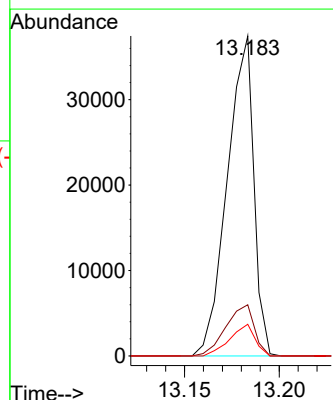
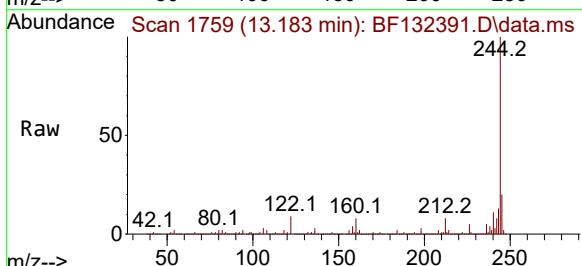
Tgt Ion:184 Resp: 36393

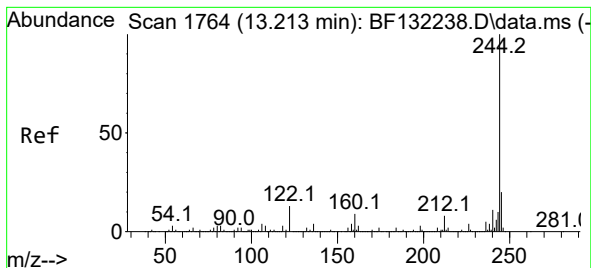
Ion Ratio Lower Upper

184 100

185 16.0 12.6 18.8

183 9.9 8.9 13.3





#79

Terphenyl-d14

Concen: 141.160 ng

RT: 13.183 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132391.D

Acq: 10 Feb 2023 17:09

Instrument :

BNA_F

ClientSampleId :

BARN-EAST-END-DRAIN

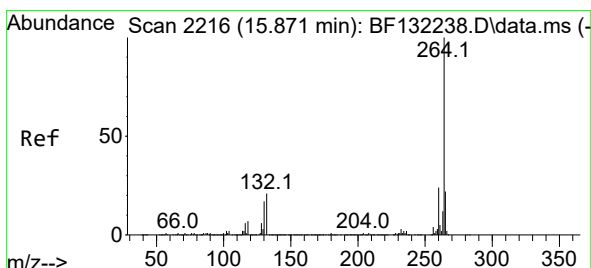
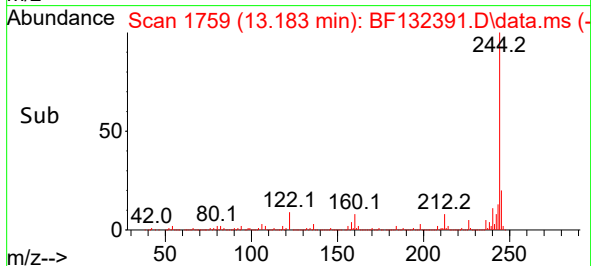
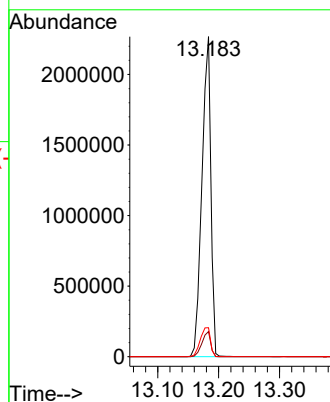
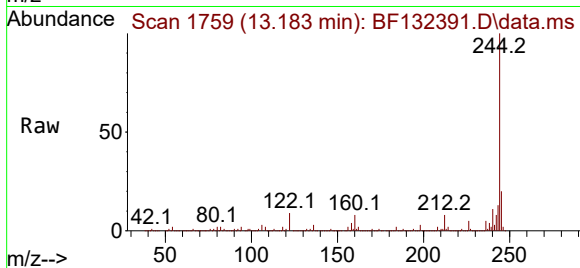
Tgt Ion:244 Resp: 2301185

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

122 9.1 10.5 15.7#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.807 min Scan# 2205

Delta R.T. -0.012 min

Lab File: BF132391.D

Acq: 10 Feb 2023 17:09

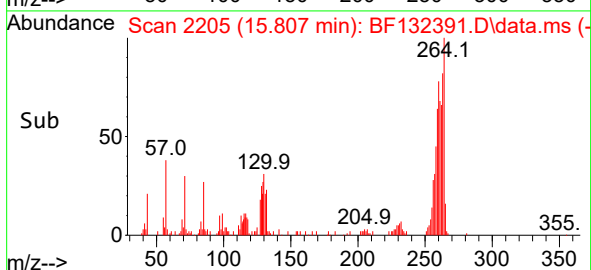
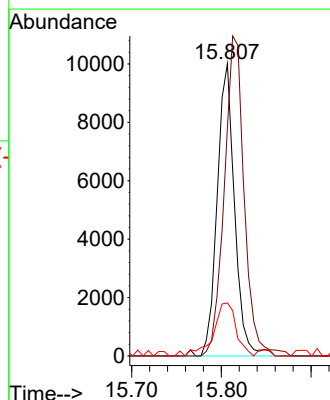
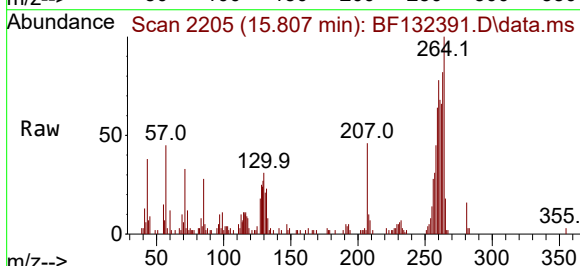
Tgt Ion:264 Resp: 13497

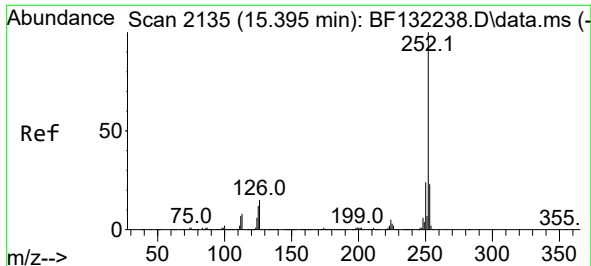
Ion Ratio Lower Upper

264 100

260 78.2 19.0 28.4#

265 18.2 17.4 26.2

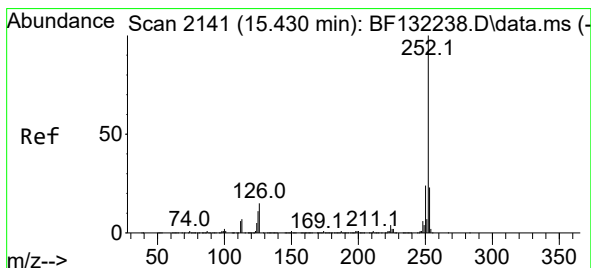
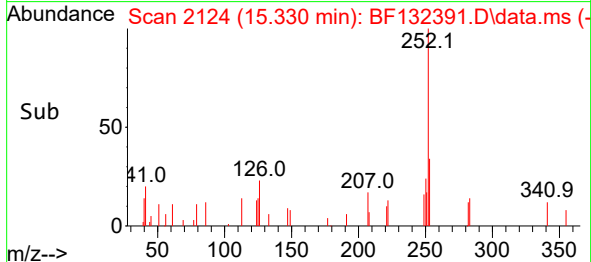
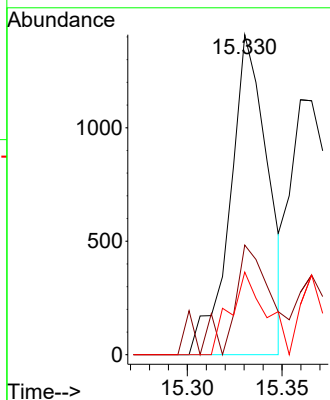
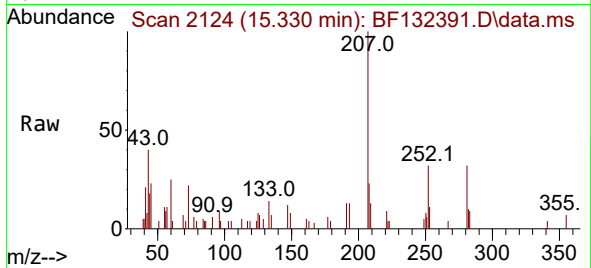




#88
Benzo(b)fluoranthene
Concen: 2.269 ng
RT: 15.330 min Scan# 2119
Delta R.T. -0.018 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

Instrument :
BNA_F
ClientSampleId :
BARN-EAST-END-DRAIN

Tgt Ion:252 Resp: 1947
Ion Ratio Lower Upper
252 100
253 34.3 18.1 27.1#
125 25.8 9.6 14.4#



#89
Benzo(k)fluoranthene
Concen: 2.103 ng
RT: 15.360 min Scan# 2129
Delta R.T. -0.018 min
Lab File: BF132391.D
Acq: 10 Feb 2023 17:09

Tgt Ion:252 Resp: 1722
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 19.7 9.0 13.6#

