

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091922\
 Data File : BF130320.D
 Acq On : 19 Sep 2022 14:45
 Operator : CG\JU
 Sample : N4581-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CRUSHED-MASONRY-PILE-6

Quant Time: Sep 19 15:10:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

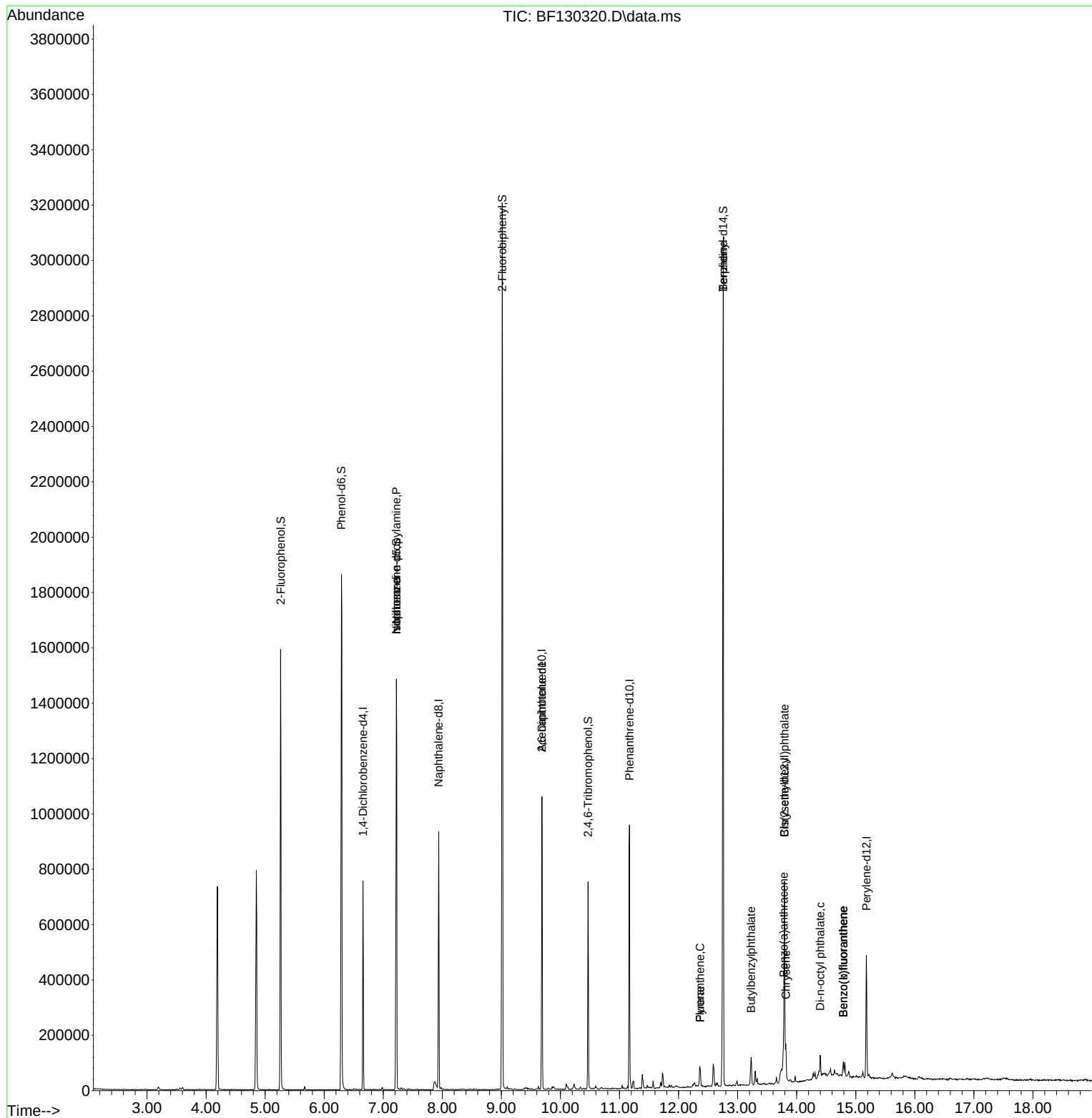
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	95827	20.000	ng	0.00
21) Naphthalene-d8	7.939	136	377928	20.000	ng	0.00
39) Acenaphthene-d10	9.686	164	202204	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	336502	20.000	ng	0.00
76) Chrysene-d12	13.792	240	165250	20.000	ng	-0.01
86) Perylene-d12	15.180	264	169831	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	417144	75.503	ng	0.00
7) Phenol-d6	6.292	99	704792	101.953	ng	0.00
23) Nitrobenzene-d5	7.222	82	511173	69.101	ng	-0.01
42) 2,4,6-Tribromophenol	10.469	330	75788	39.116	ng	-0.01
45) 2-Fluorobiphenyl	9.016	172	969618	69.828	ng	0.00
79) Terphenyl-d14	12.757	244	1005056	100.748	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.222	70	70066	15.021	ng	# 74
25) Isophorone	7.222	82	508813	42.675	ng	# 66
51) 2,6-Dinitrotoluene	9.686	165	25397	8.694	ng	# 16
75) Fluoranthene	12.363	202	41638	2.281	ng	97
77) Benzidine	12.757	184	15275	3.184	ng	# 96
78) Pyrene	12.363	202	41363	2.861	ng	98
80) Butylbenzylphthalate	13.227	149	28046	5.237	ng	94
81) Benzo(a)anthracene	13.780	228	63585	5.784	ng	98
83) Chrysene	13.815	228	56252	5.389	ng	100
84) Bis(2-ethylhexyl)phtha...	13.792	149	40543	6.609	ng	# 100
85) Di-n-octyl phthalate	14.398	149	47515	5.064	ng	# 86
88) Benzo(b)fluoranthene	14.792	252	24501	2.210	ng	99
89) Benzo(k)fluoranthene	14.792	252	24501	2.247	ng	100

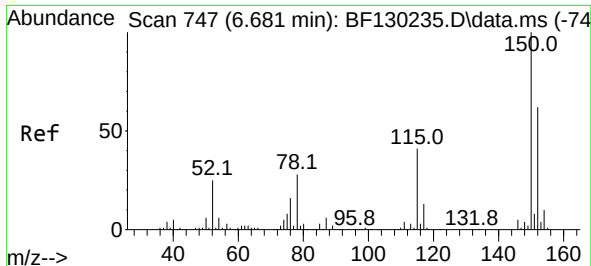
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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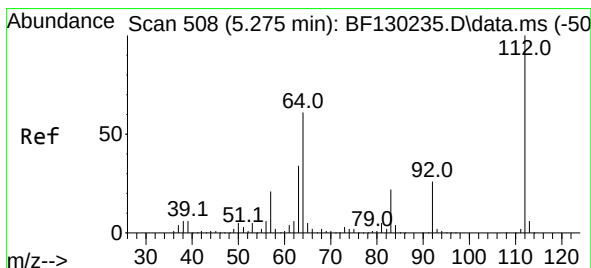
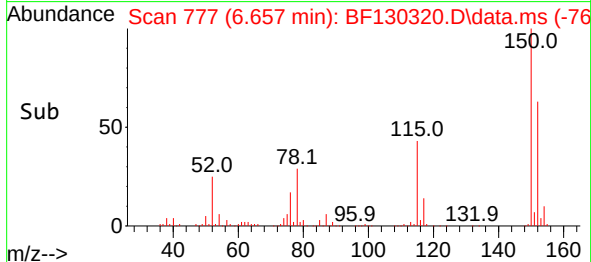
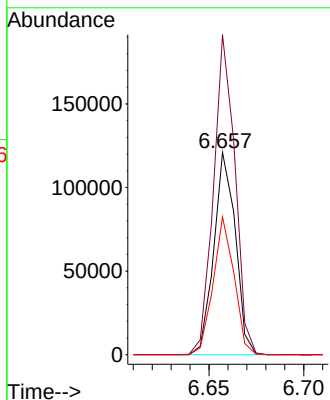
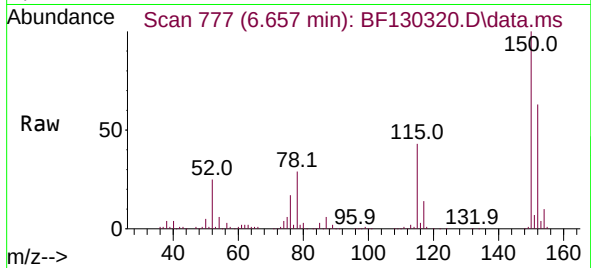




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.657 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF130320.D
 Acq: 19 Sep 2022 14:45

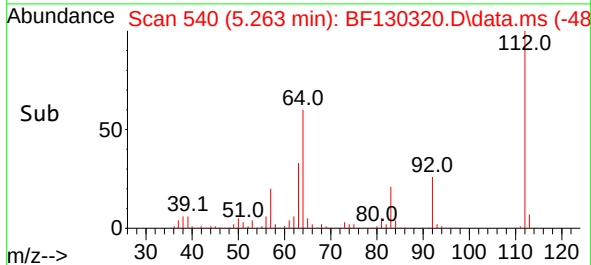
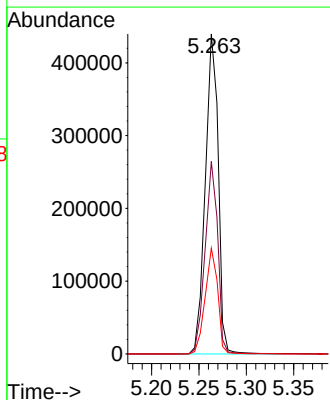
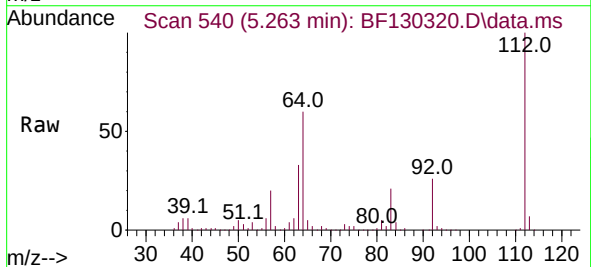
Instrument :
 BNA_F
 ClientSampleId :
 CRUSHED-MASONRY-PILE-6

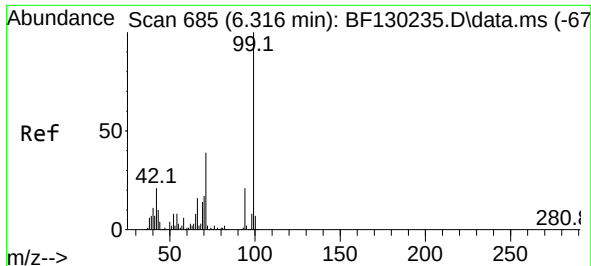
Tgt Ion:152 Resp: 95827
 Ion Ratio Lower Upper
 152 100
 150 158.3 122.8 184.2
 115 68.1 53.8 80.8



#5
 2-Fluorophenol
 Concen: 75.503 ng
 RT: 5.263 min Scan# 540
 Delta R.T. 0.006 min
 Lab File: BF130320.D
 Acq: 19 Sep 2022 14:45

Tgt Ion:112 Resp: 417144
 Ion Ratio Lower Upper
 112 100
 64 60.1 51.4 77.0
 63 33.1 28.8 43.2

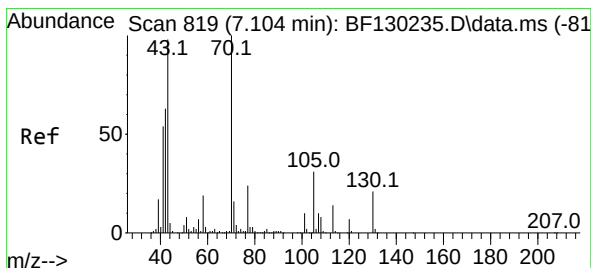
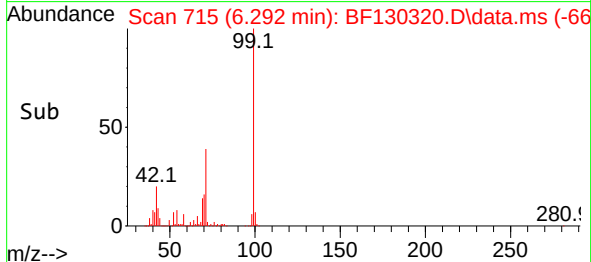
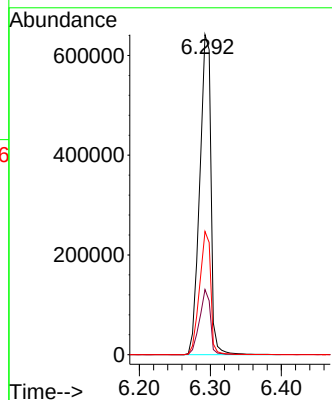
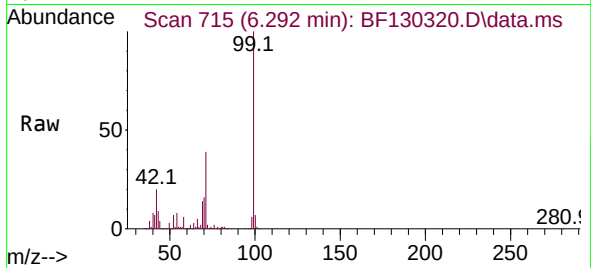




#7
Phenol-d6
Concen: 101.953 ng
RT: 6.292 min Scan# 715
Delta R.T. -0.006 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

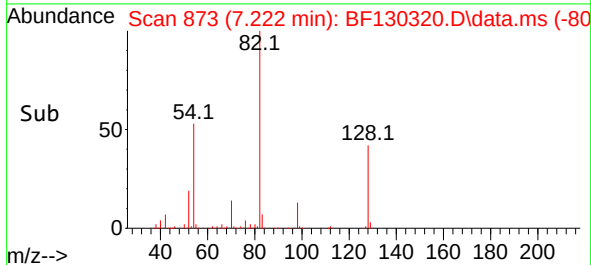
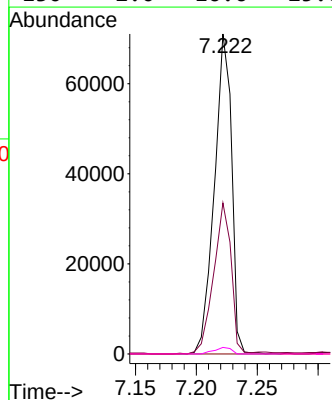
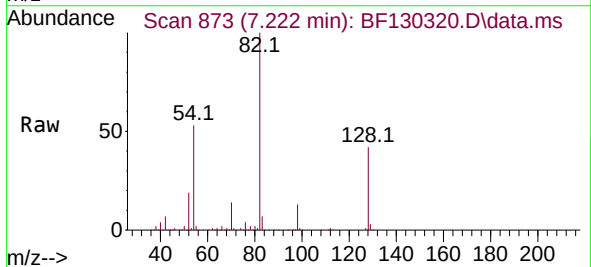
Instrument :
BNA_F
ClientSampleId :
CRUSHED-MASONRY-PILE-6

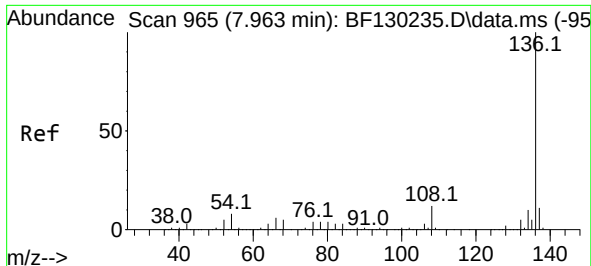
Tgt Ion: 99 Resp: 704792
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.6
71 38.5 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 15.021 ng
RT: 7.222 min Scan# 873
Delta R.T. 0.129 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Tgt Ion: 70 Resp: 70066
Ion Ratio Lower Upper
70 100
42 47.2 50.8 76.2#
101 0.0 8.2 12.4#
130 2.0 16.6 25.0#

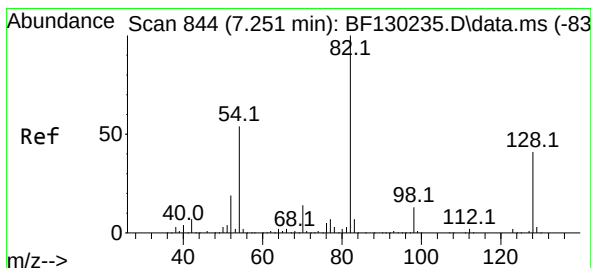
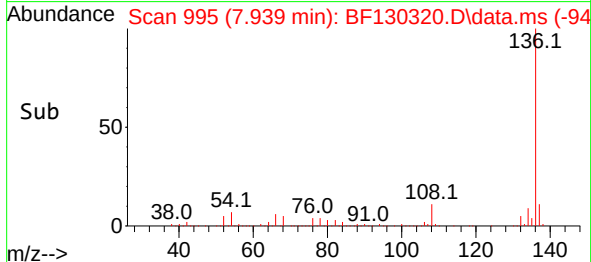
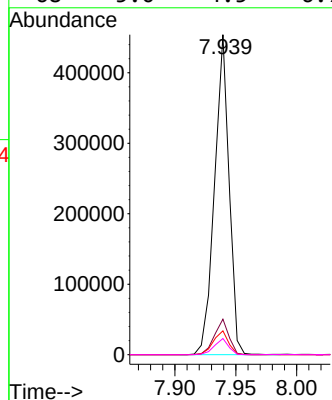
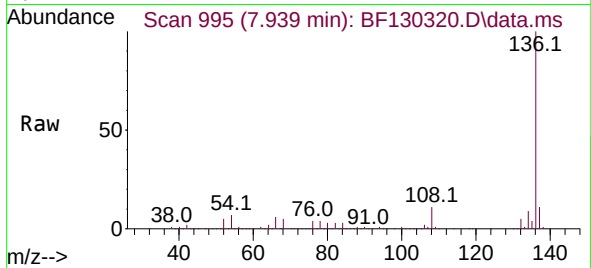




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.939 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

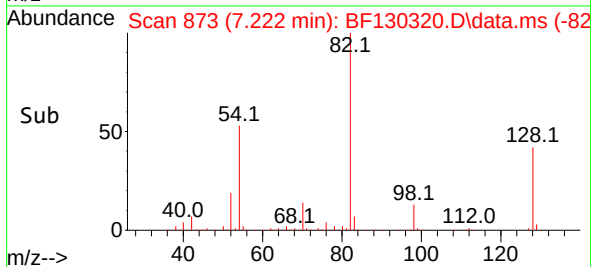
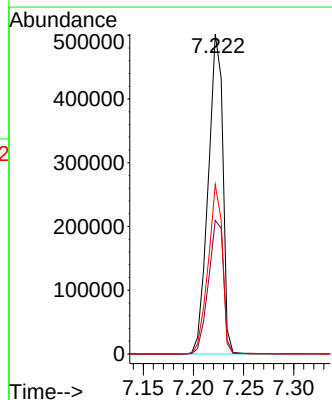
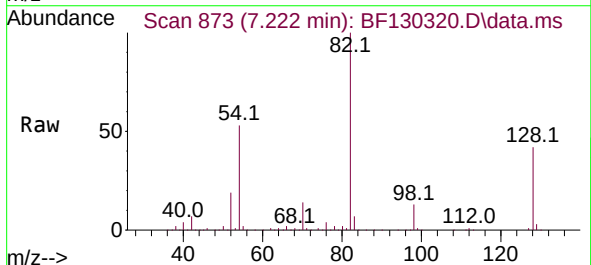
Instrument :
BNA_F
ClientSampleId :
CRUSHED-MASONRY-PILE-6

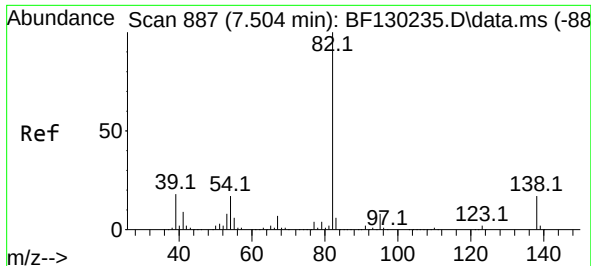
Tgt	Ion:136	Resp:	377928
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.5	7.1	10.7
68	5.0	4.5	6.7



#23
Nitrobenzene-d5
Concen: 69.101 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Tgt Ion: 82	Resp: 511173
Ion Ratio	Lower Upper
82 100	
128 41.7	32.6 49.0
54 53.0	43.8 65.6

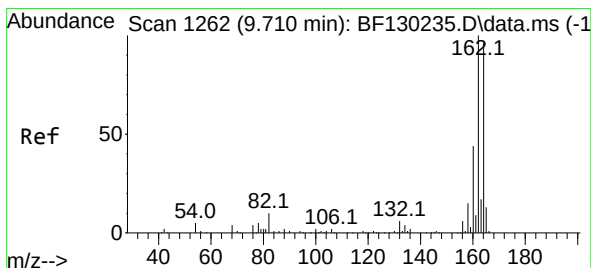
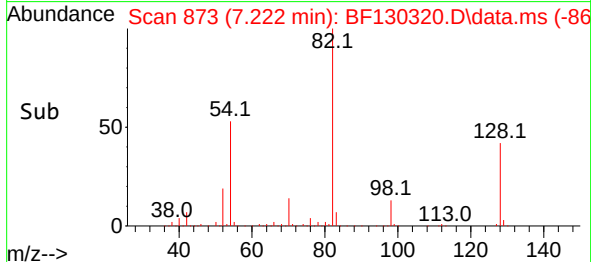
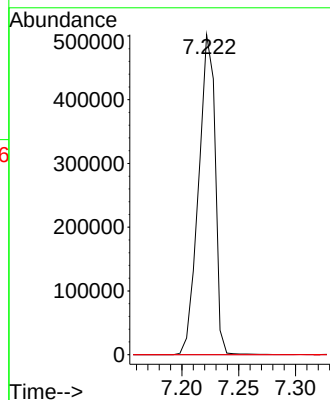
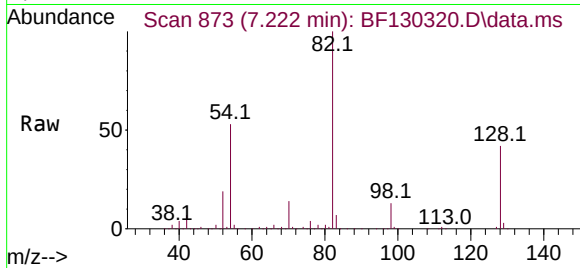




#25
Isophorone
Concen: 42.675 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

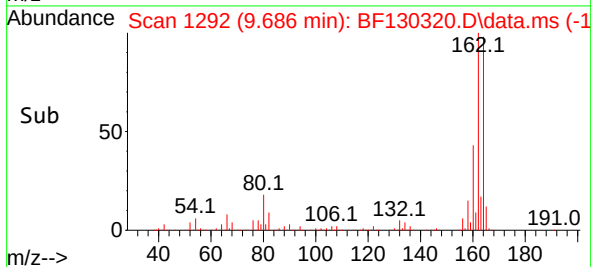
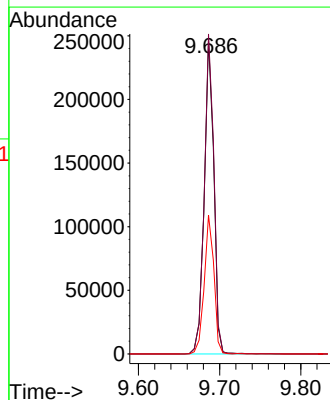
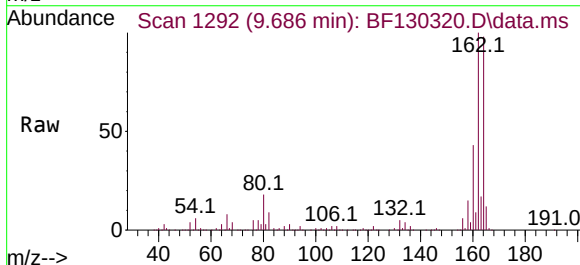
Instrument :
BNA_F
ClientSampleId :
CRUSHED-MASONRY-PILE-6

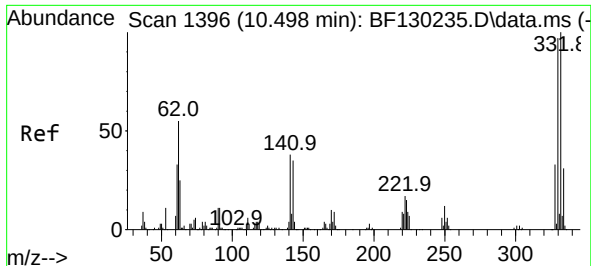
Tgt Ion: 82 Resp: 508813
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Tgt Ion: 164 Resp: 202204
Ion Ratio Lower Upper
164 100
162 102.0 81.4 122.0
160 44.3 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 39.116 ng

RT: 10.469 min Scan# 1425

Delta R.T. -0.012 min

Lab File: BF130320.D

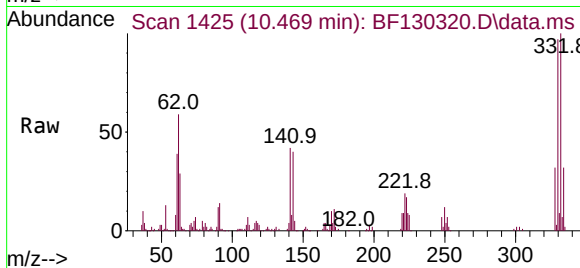
Acq: 19 Sep 2022 14:45

Instrument :

BNA_F

ClientSampleId :

CRUSHED-MASONRY-PILE-6



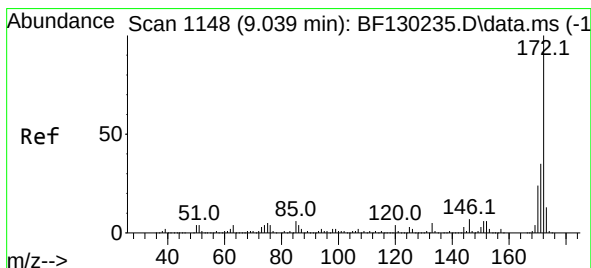
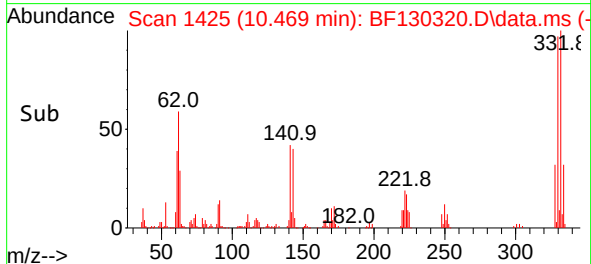
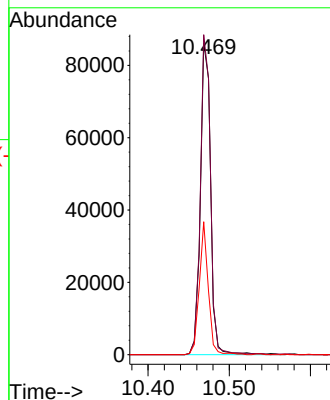
Tgt Ion:330 Resp: 75788

Ion Ratio Lower Upper

330 100

332 101.7 83.4 125.2

141 37.6 34.0 51.0



#45

2-Fluorobiphenyl

Concen: 69.828 ng

RT: 9.016 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF130320.D

Acq: 19 Sep 2022 14:45

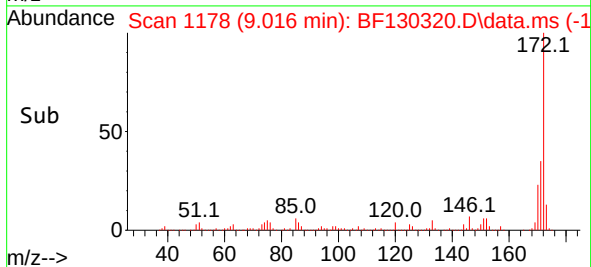
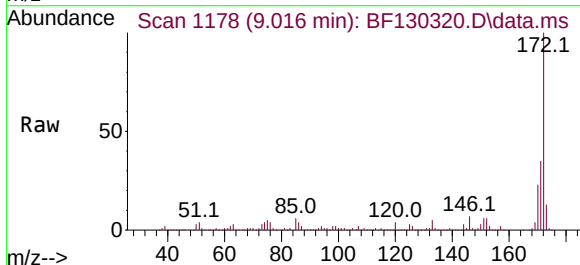
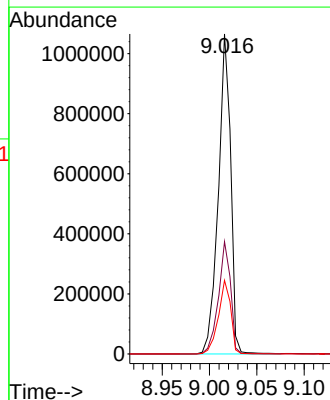
Tgt Ion:172 Resp: 969618

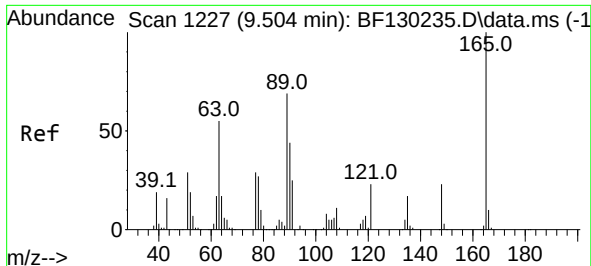
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.0 18.7 28.1

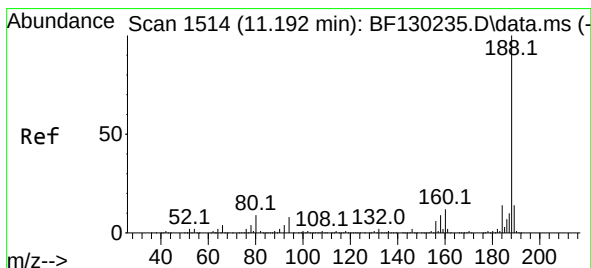
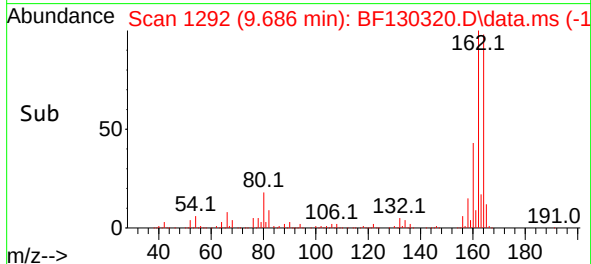
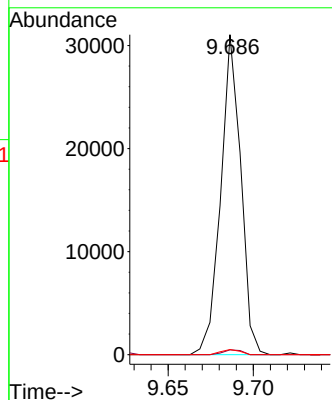
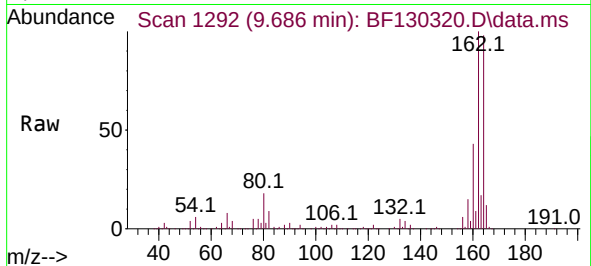




#51
2,6-Dinitrotoluene
Concen: 8.694 ng
RT: 9.686 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

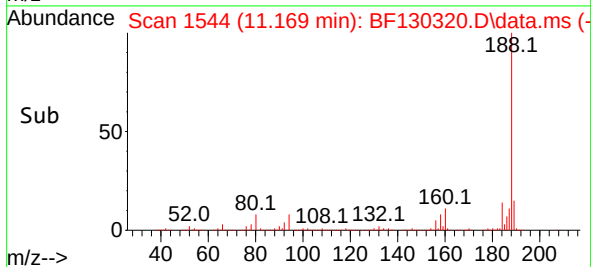
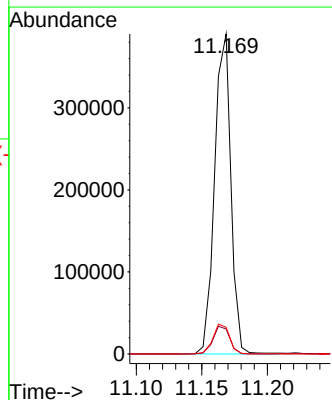
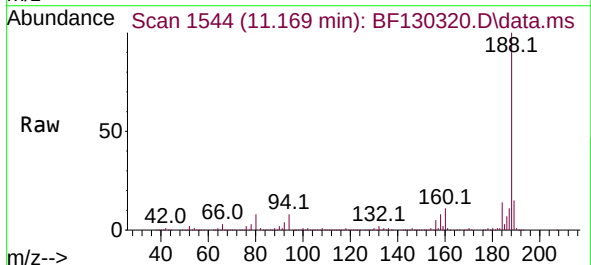
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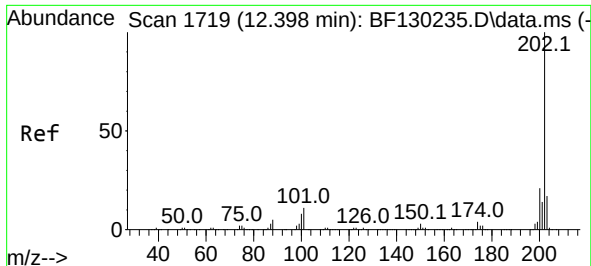
Tgt Ion:165 Resp: 25397
Ion Ratio Lower Upper
165 100
63 1.5 58.8 88.2#
89 1.6 54.5 81.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Tgt Ion:188 Resp: 336502
Ion Ratio Lower Upper
188 100
94 7.8 7.4 11.2
80 8.3 7.9 11.9

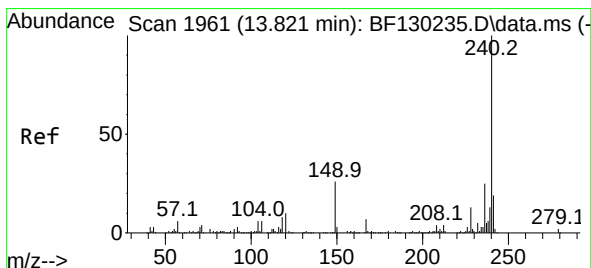
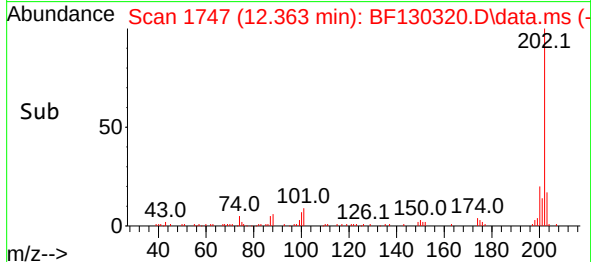
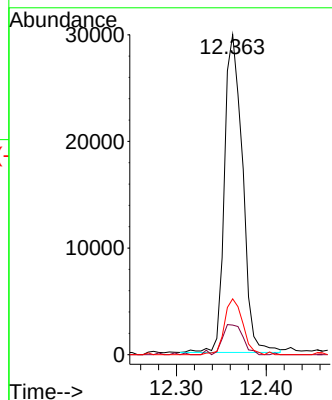
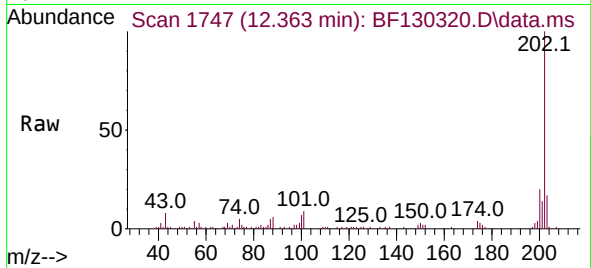




#75
Fluoranthene
Concen: 2.281 ng
RT: 12.363 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

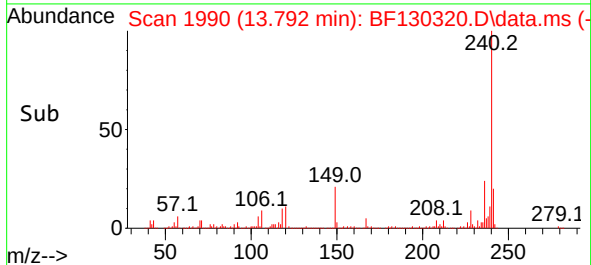
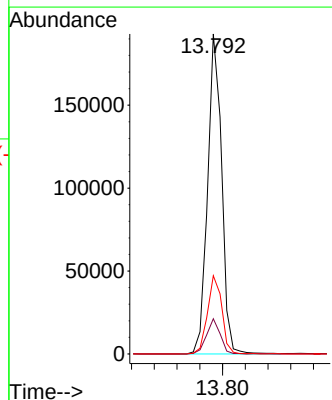
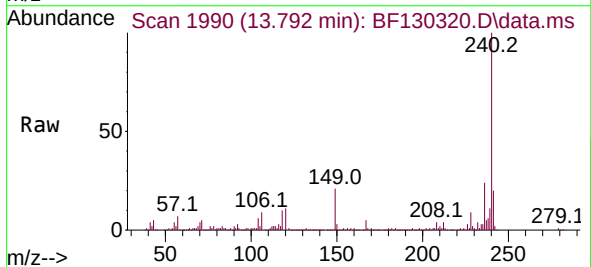
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BNA_F
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CRUSHED-MASONRY-PILE-6

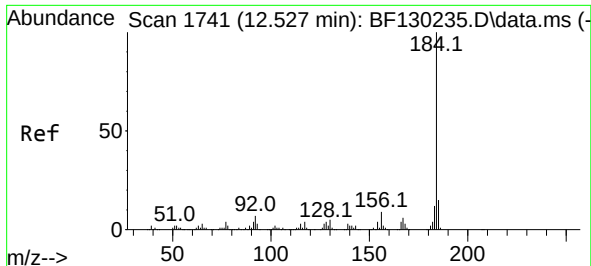
Tgt Ion:202 Resp: 41638
Ion Ratio Lower Upper
202 100
101 9.2 0.0 31.8
203 17.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.792 min Scan# 1990
Delta R.T. -0.012 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Tgt Ion:240 Resp: 165250
Ion Ratio Lower Upper
240 100
120 11.0 8.7 13.1
236 24.4 20.9 31.3

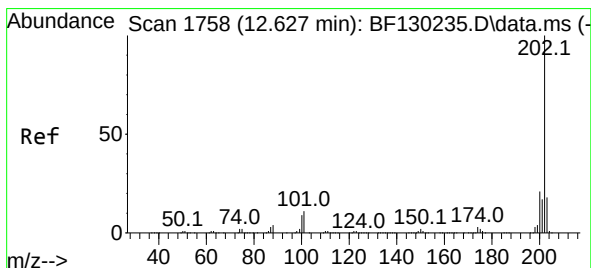
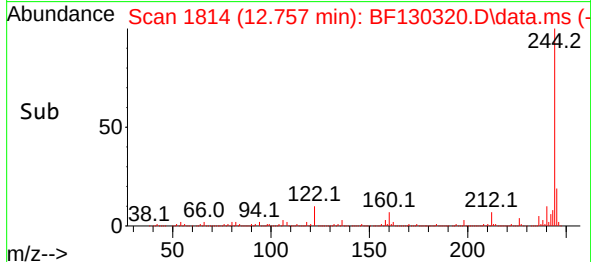
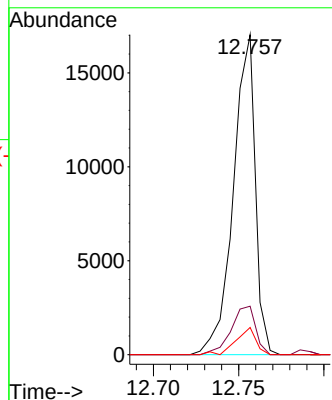
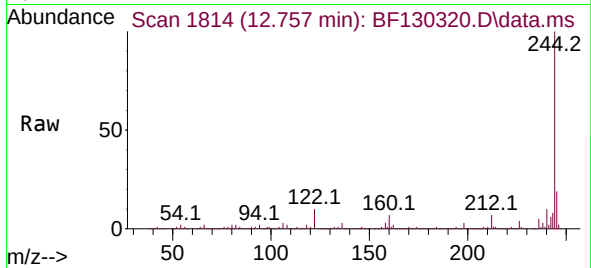




#77
Benzidine
Concen: 3.184 ng
RT: 12.757 min Scan# 1741
Delta R.T. 0.247 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

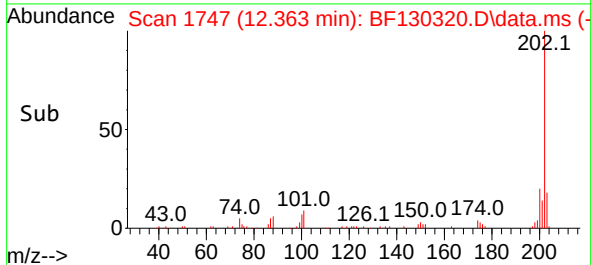
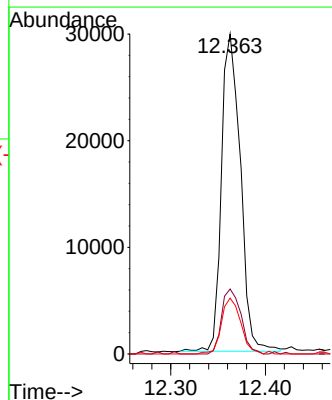
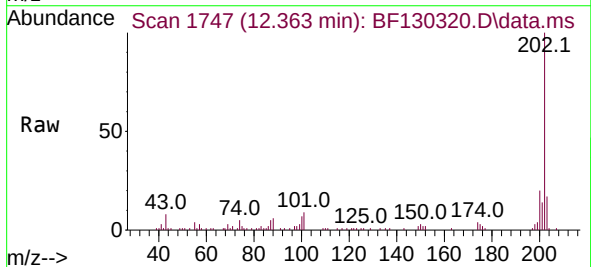
Instrument :
BNA_F
ClientSampleId :
CRUSHED-MASONRY-PILE-6

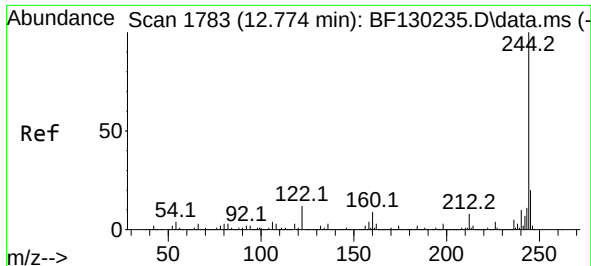
Tgt Ion:184 Resp: 15275
Ion Ratio Lower Upper
184 100
185 15.1 11.8 17.6
183 8.5 9.1 13.7#



#78
Pyrene
Concen: 2.861 ng
RT: 12.363 min Scan# 1747
Delta R.T. -0.247 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Tgt Ion:202 Resp: 41363
Ion Ratio Lower Upper
202 100
200 20.3 17.2 25.8
203 17.4 14.3 21.5

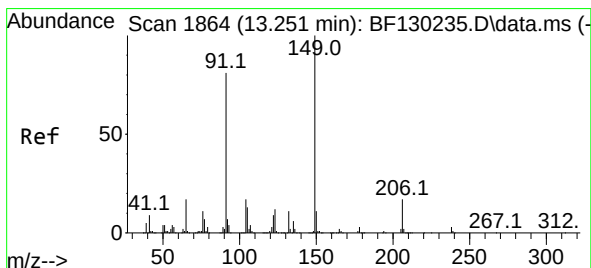
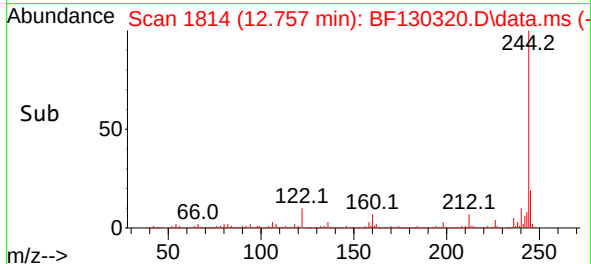
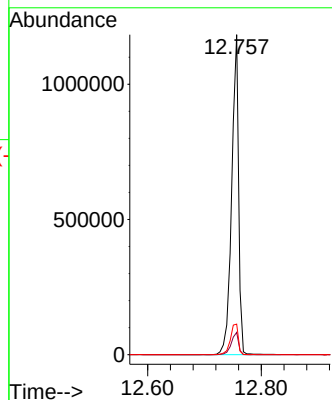
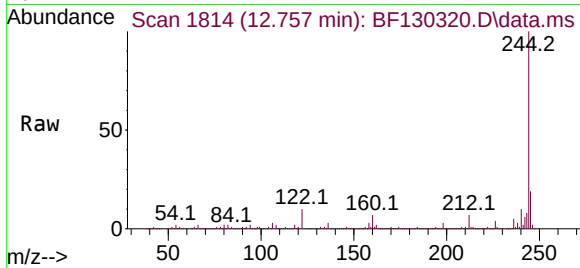




#79
 Terphenyl-d14
 Concen: 100.748 ng
 RT: 12.757 min Scan# 1814
 Delta R.T. -0.000 min
 Lab File: BF130320.D
 Acq: 19 Sep 2022 14:45

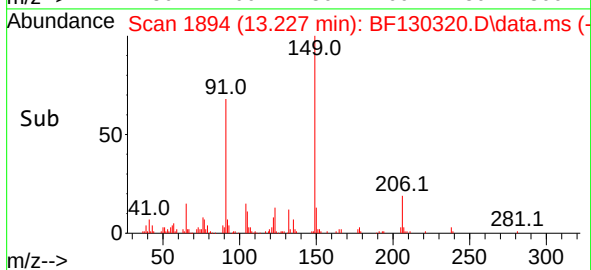
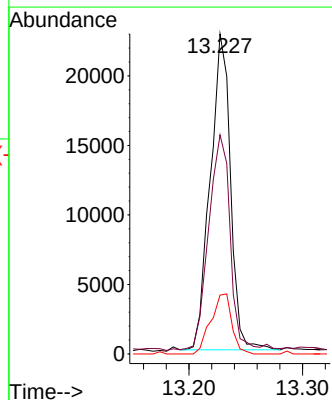
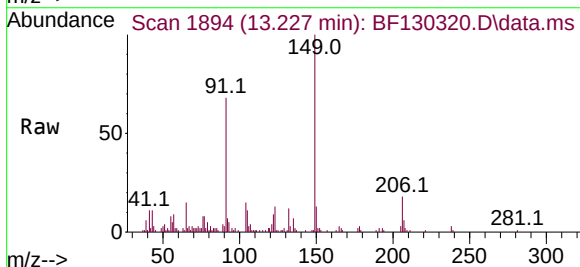
Instrument :
 BNA_F
 ClientSampleId :
 CRUSHED-MASONRY-PILE-6

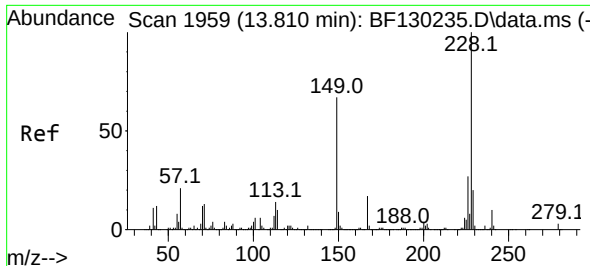
Tgt Ion:244 Resp: 1005056
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 9.6 8.5 12.7



#80
 Butylbenzylphthalate
 Concen: 5.237 ng
 RT: 13.227 min Scan# 1894
 Delta R.T. -0.006 min
 Lab File: BF130320.D
 Acq: 19 Sep 2022 14:45

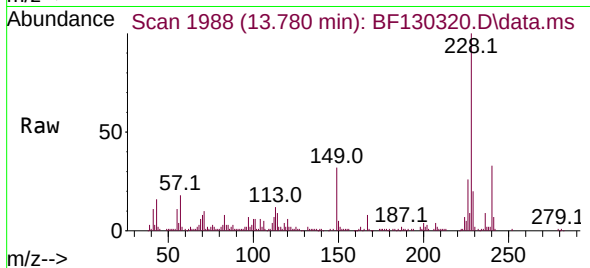
Tgt Ion:149 Resp: 28046
 Ion Ratio Lower Upper
 149 100
 91 68.5 59.8 89.8
 206 18.4 13.9 20.9



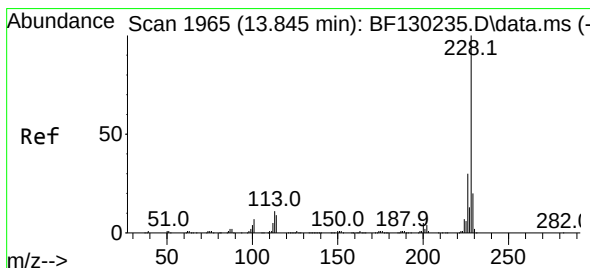
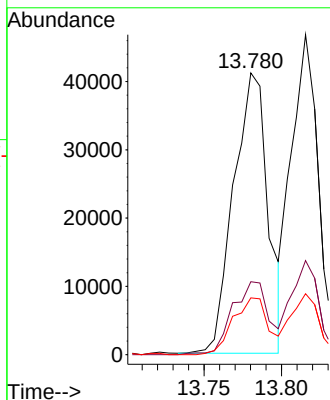
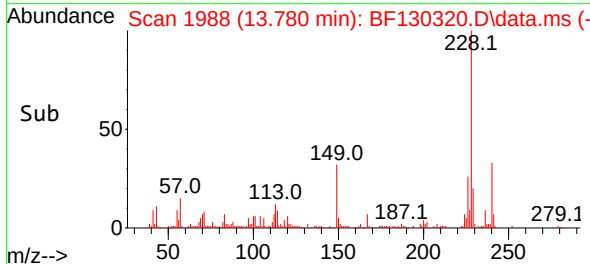


#81
Benzo(a)anthracene
Concen: 5.784 ng
RT: 13.780 min Scan# 1988
Delta R.T. -0.012 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Instrument :
BNA_F
ClientSampleId :
CRUSHED-MASONRY-PILE-6

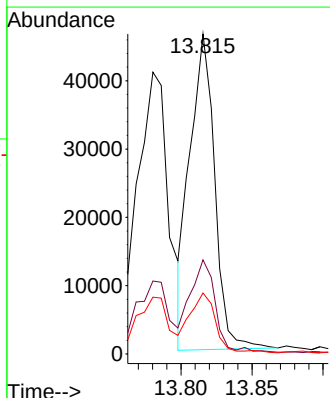
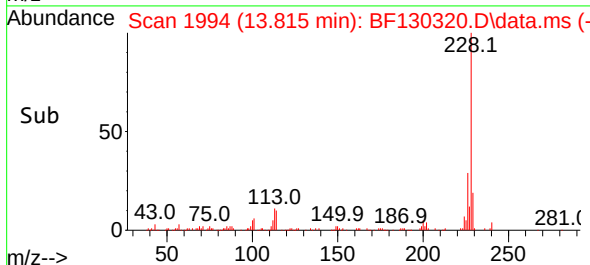
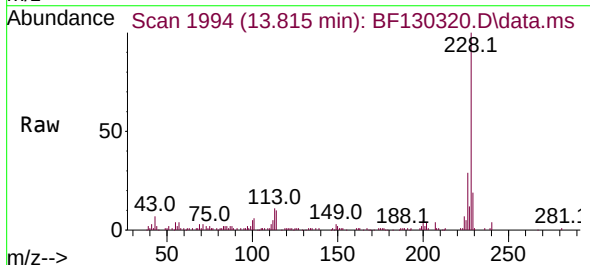


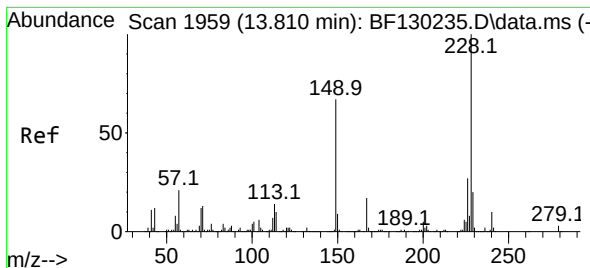
Tgt Ion:228 Resp: 63585
Ion Ratio Lower Upper
228 100
226 25.9 21.9 32.9
229 20.2 16.1 24.1



#83
Chrysene
Concen: 5.389 ng
RT: 13.815 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Tgt Ion:228 Resp: 56252
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.8
229 19.1 15.3 22.9

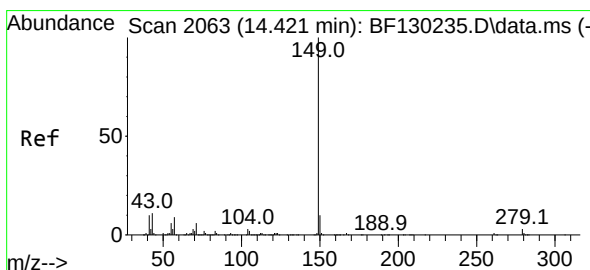
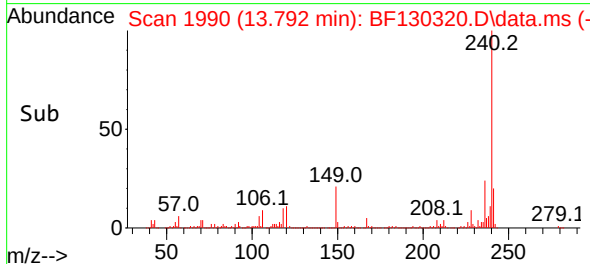
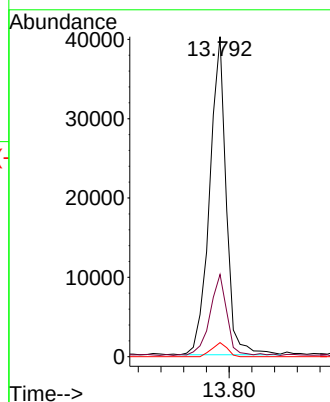
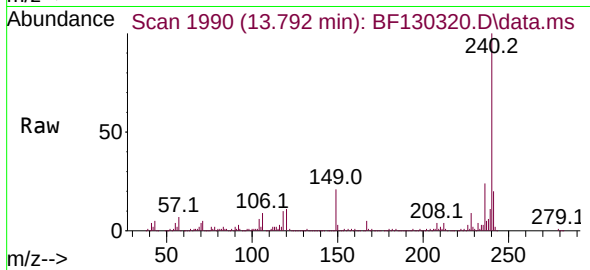




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.609 ng
RT: 13.792 min Scan# 1959
Delta R.T. -0.000 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

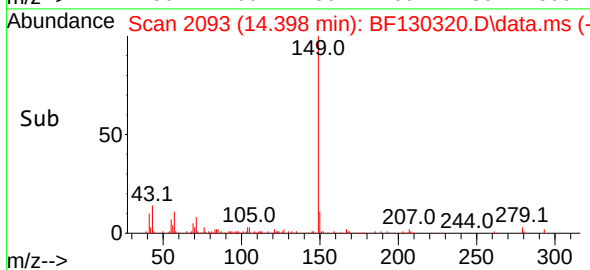
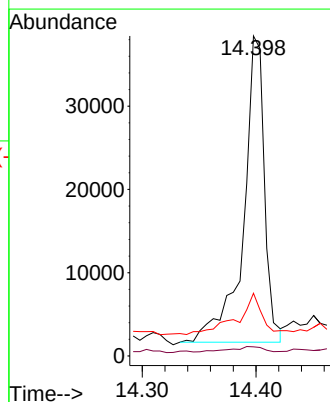
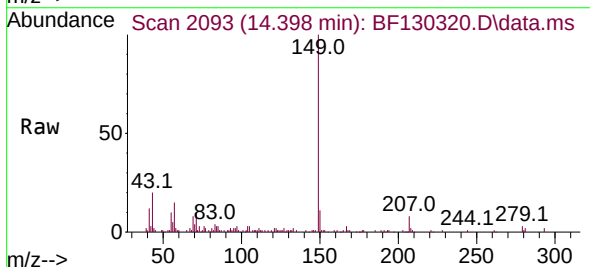
Instrument :
BNA_F
ClientSampleId :
CRUSHED-MASONRY-PILE-6

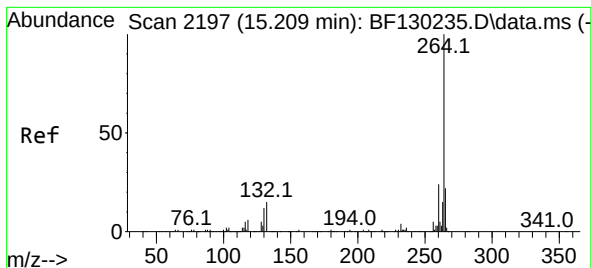
Tgt Ion:149 Resp: 40543
Ion Ratio Lower Upper
149 100
167 25.7 20.5 30.7
279 4.4 2.9 4.3#



#85
Di-n-octyl phthalate
Concen: 5.064 ng
RT: 14.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Tgt Ion:149 Resp: 47515
Ion Ratio Lower Upper
149 100
167 2.4 1.2 1.8#
43 16.8 8.7 13.1#



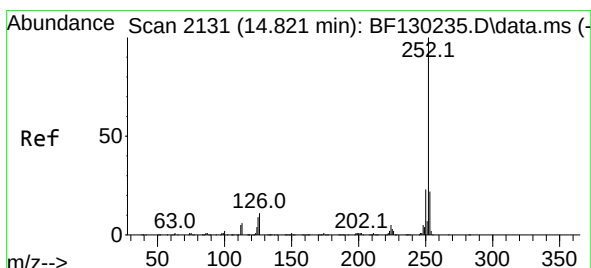
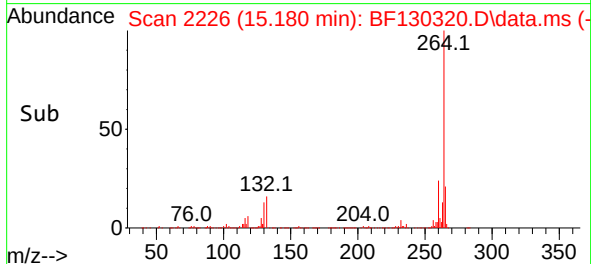
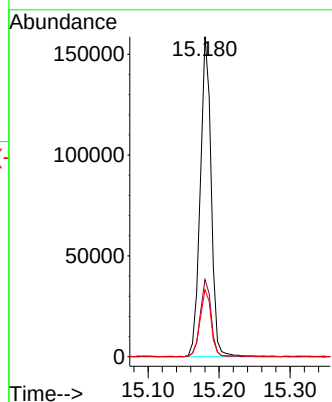
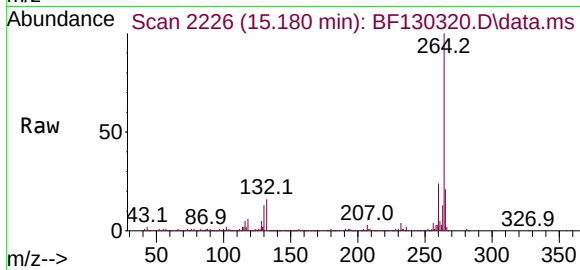


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.180 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Instrument :
BNA_F
ClientSampleId :
CRUSHED-MASONRY-PILE-6

Tgt Ion:264 Resp: 169831

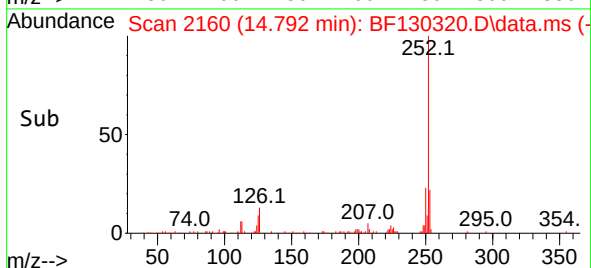
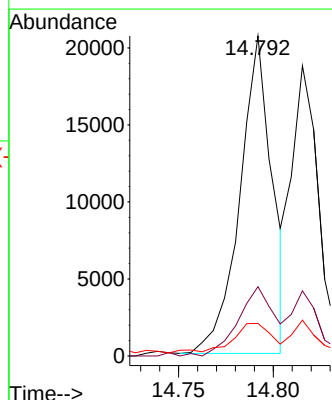
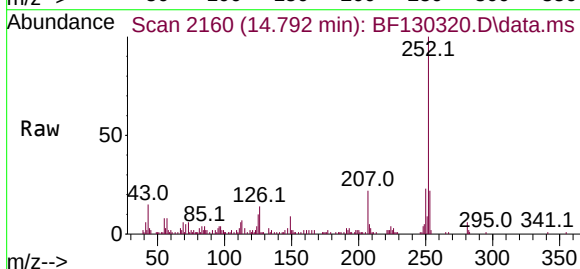
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	21.0	17.0	25.4

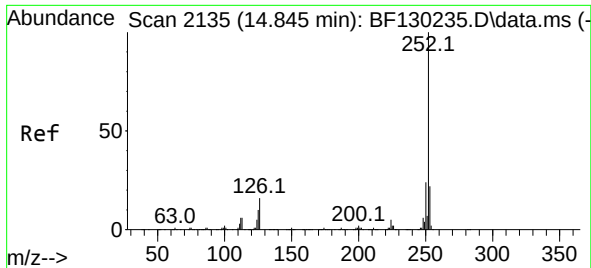


#88
Benzo(b)fluoranthene
Concen: 2.210 ng
RT: 14.792 min Scan# 2160
Delta R.T. -0.006 min
Lab File: BF130320.D
Acq: 19 Sep 2022 14:45

Tgt Ion:252 Resp: 24501

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	10.1	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 2.247 ng

RT: 14.792 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF130320.D

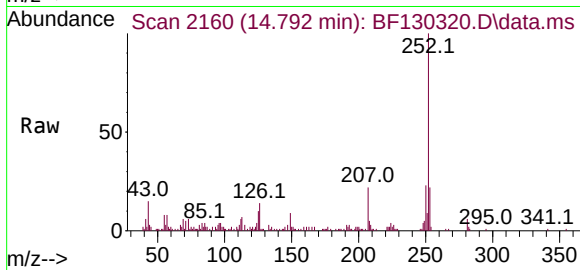
Acq: 19 Sep 2022 14:45

Instrument :

BNA_F

ClientSampleId :

CRUSHED-MASONRY-PILE-6



Tgt Ion:252 Resp: 24501

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 10.1 7.9 11.9

