

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020223\
 Data File : BF132313.D
 Acq On : 03 Feb 2023 02:35
 Operator : CG\JU
 Sample : 01390-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-2

Quant Time: Feb 03 04:19:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 02 01:30:34 2023
 Response via : Initial Calibration

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

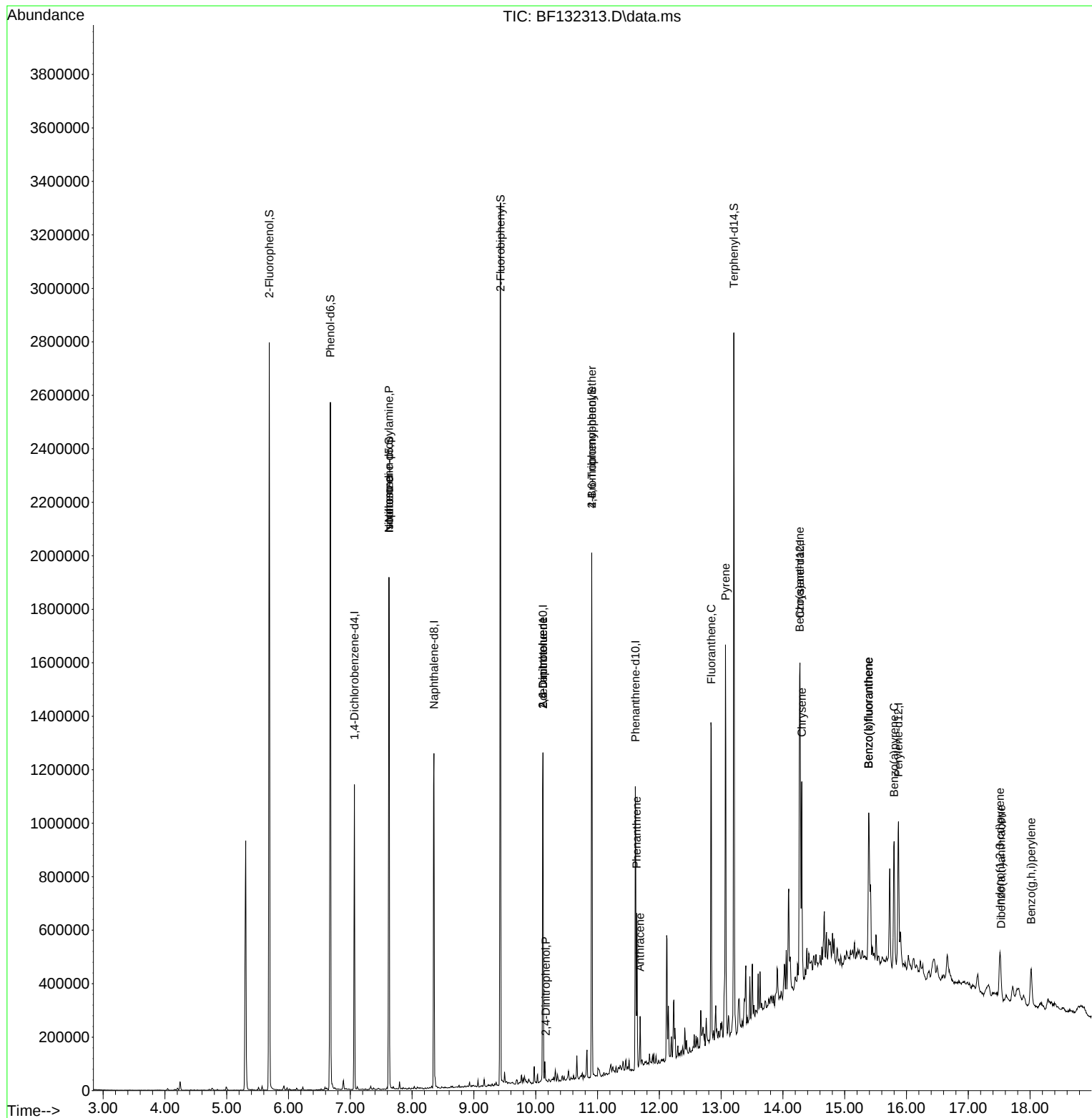
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	165610	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	578045	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	251849	20.000	ng	0.00
64) Phenanthrene-d10	11.613	188	395709	20.000	ng	-0.01
76) Chrysene-d12	14.277	240	290469	20.000	ng	#-0.01
86) Perylene-d12	15.871	264	255972	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	908635	88.191	ng	0.00
7) Phenol-d6	6.678	99	1064655	83.817	ng	0.00
23) Nitrobenzene-d5	7.625	82	640044	61.616	ng	-0.01
42) 2,4,6-Tribromophenol	10.907	330	233422	90.127	ng	-0.01
45) 2-Fluorobiphenyl	9.430	172	1066383	65.387	ng	0.00
79) Terphenyl-d14	13.207	244	881479	58.703	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.619	77	1113	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	7.625	70	79885	11.072	ng	# 77
25) Isophorone	7.625	82	640035	32.463	ng	# 64
51) 2,6-Dinitrotoluene	10.119	165	32945	8.373	ng	# 25
54) 2,4-Dinitrophenol	10.166	184	58	4.352	ng	# 1
57) 2,4-Dinitrotoluene	10.119	165	32858	6.429	ng	# 24
67) 4-Bromophenyl-phenylether	10.907	248	13879	3.425	ng	# 1
71) Phenanthrene	11.636	178	219266	10.604	ng	98
72) Anthracene	11.689	178	66455	3.158	ng	98
75) Fluoranthene	12.842	202	483424	22.910	ng	98
78) Pyrene	13.071	202	573241	24.537	ng	100
81) Benzo(a)anthracene	14.271	228	329531	16.220	ng	97
83) Chrysene	14.307	228	300934	15.819	ng	98
87) Indeno(1,2,3-cd)pyrene	17.512	276	126783	7.454	ng	# 93
88) Benzo(b)fluoranthene	15.389	252	452806	27.829	ng	100
89) Benzo(k)fluoranthene	15.389	252	452806	29.155	ng	99
90) Benzo(a)pyrene	15.801	252	256460	16.927	ng	99
91) Dibenzo(a,h)anthracene	17.530	278	34305	2.509	ng	# 89
92) Benzo(g,h,i)perylene	18.018	276	129205	9.146	ng	98

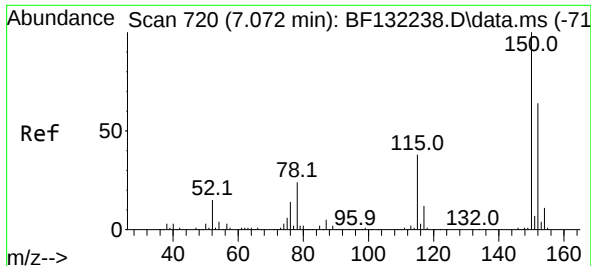
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 02 01:30:34 2023
Response via : Initial Calibration

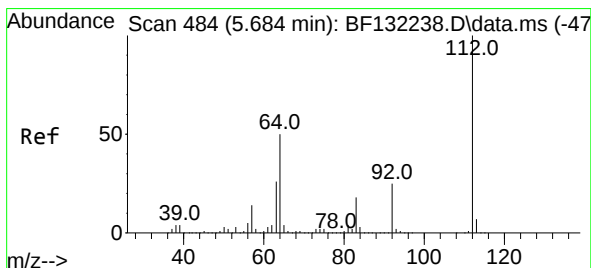
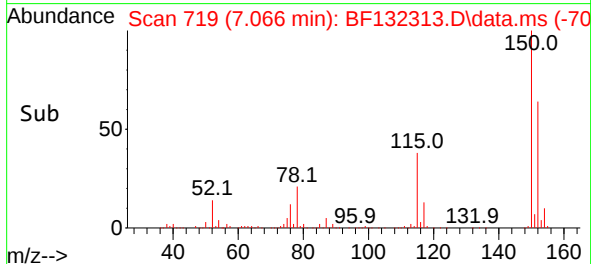
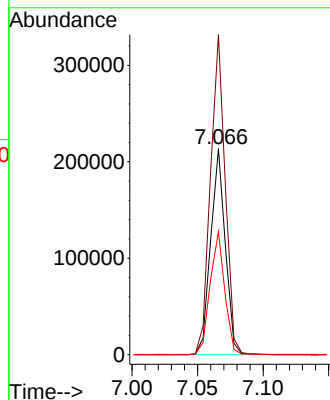
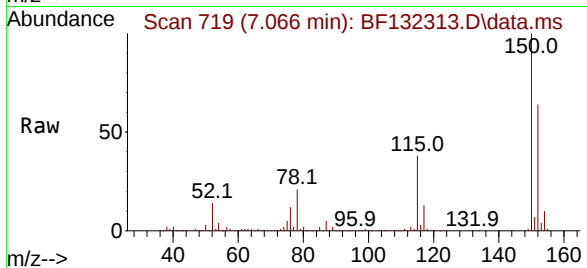




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.066 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

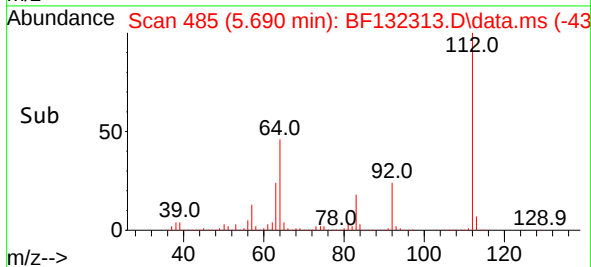
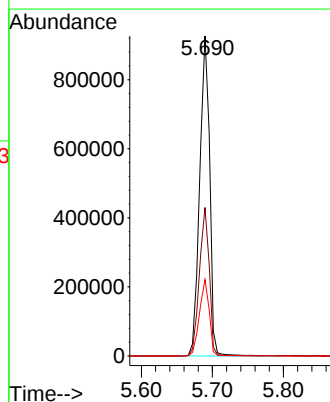
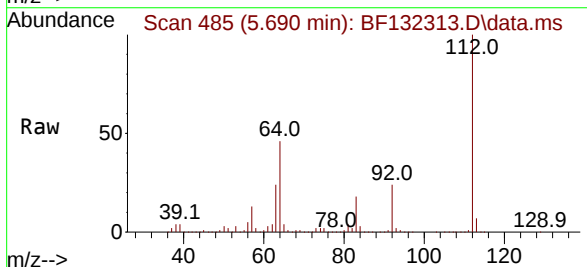
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2

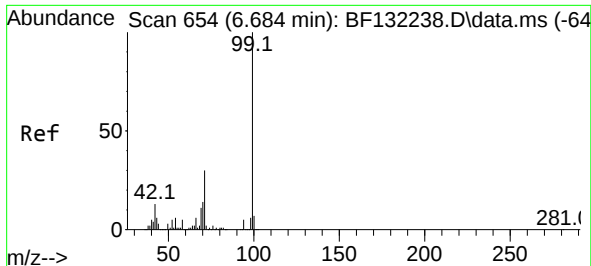
Tgt Ion:152 Resp: 165610
Ion Ratio Lower Upper
152 100
150 155.3 124.2 186.2
115 59.7 47.3 70.9



#5
2-Fluorophenol
Concen: 88.191 ng
RT: 5.690 min Scan# 485
Delta R.T. 0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Tgt Ion:112 Resp: 908635
Ion Ratio Lower Upper
112 100
64 46.4 40.0 60.0
63 23.9 20.5 30.7

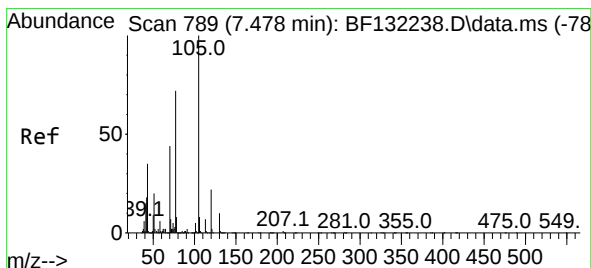
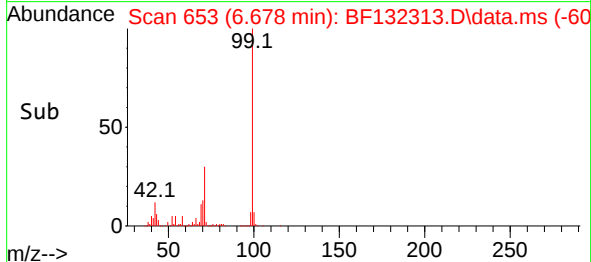
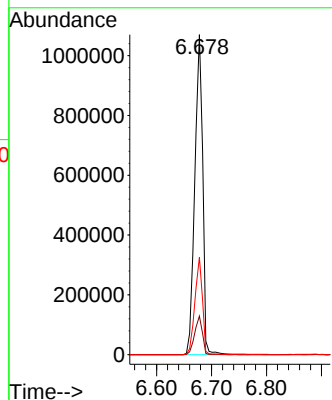
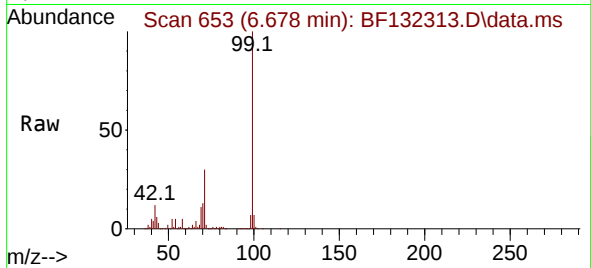




#7
Phenol-d6
Concen: 83.817 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

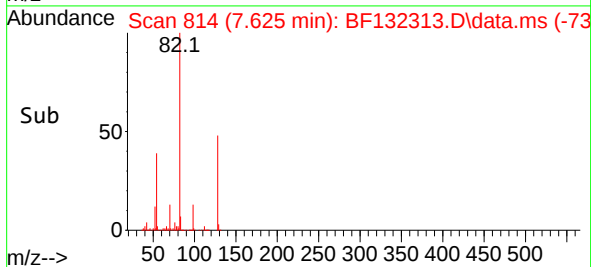
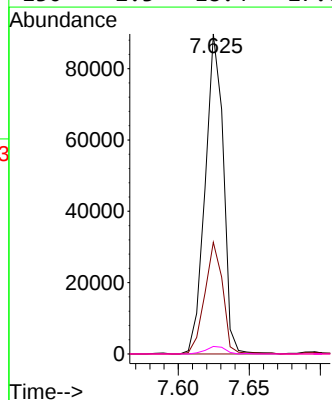
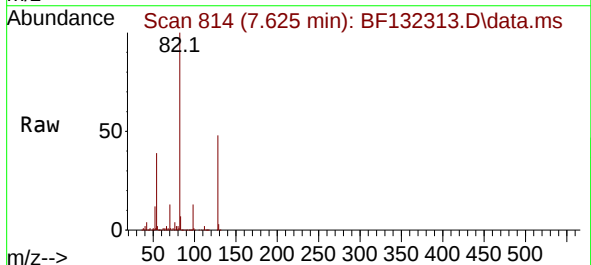
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2

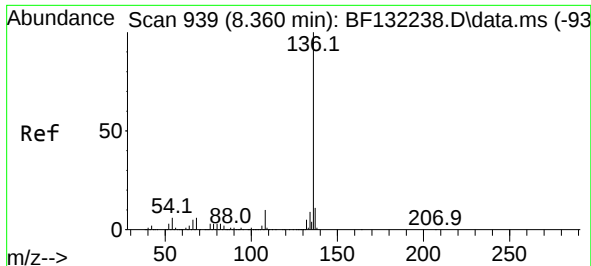
Tgt Ion: 99 Resp: 1064655
Ion Ratio Lower Upper
99 100
42 12.0 10.1 15.1
71 30.4 24.2 36.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.072 ng
RT: 7.625 min Scan# 814
Delta R.T. 0.147 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Tgt Ion: 70 Resp: 79885
Ion Ratio Lower Upper
70 100
42 34.9 33.4 50.0
101 0.0 8.2 12.4#
130 2.3 18.4 27.6#

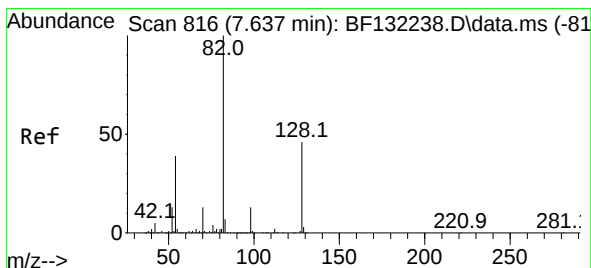
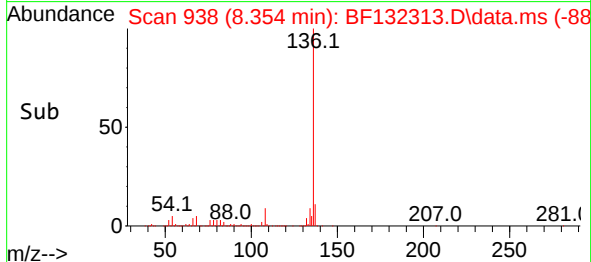
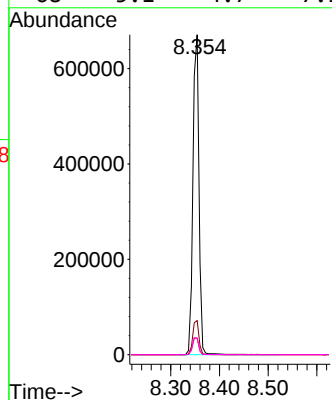
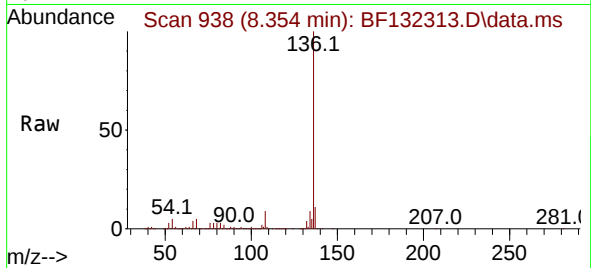




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

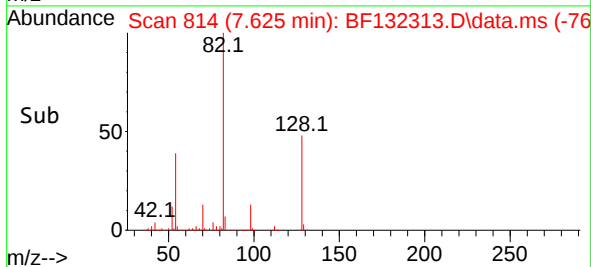
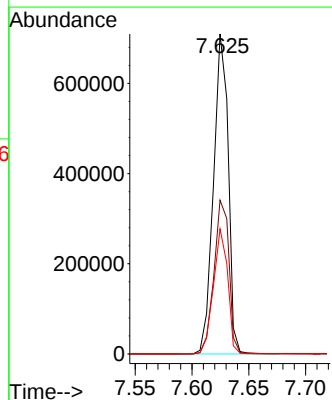
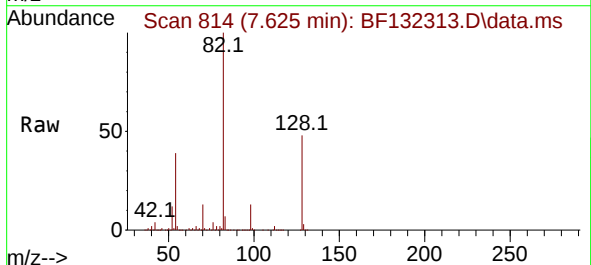
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2

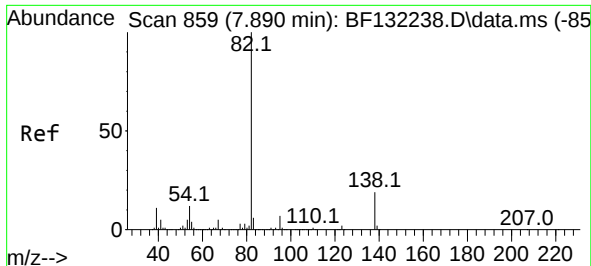
Tgt Ion:136 Resp: 578045
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 5.2 4.9 7.3
68 5.1 4.7 7.1



#23
Nitrobenzene-d5
Concen: 61.616 ng
RT: 7.625 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Tgt Ion: 82 Resp: 640044
Ion Ratio Lower Upper
82 100
128 48.0 37.0 55.4
54 39.1 31.5 47.3

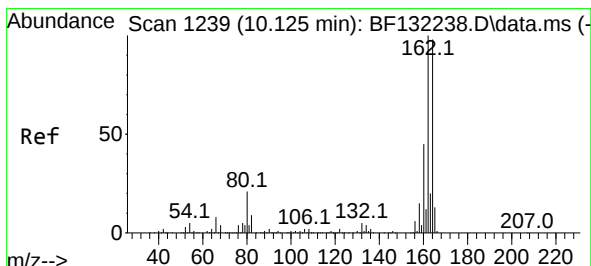
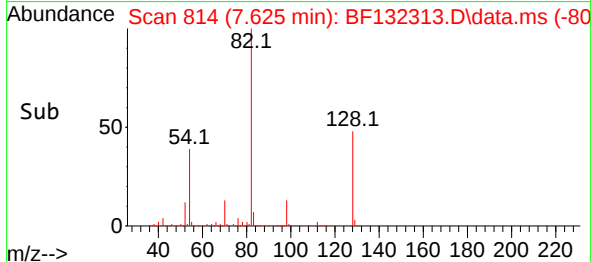
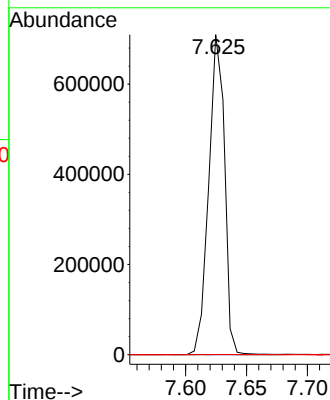
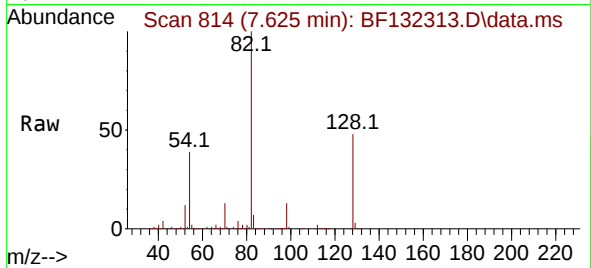




#25
Isophorone
Concen: 32.463 ng
RT: 7.625 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

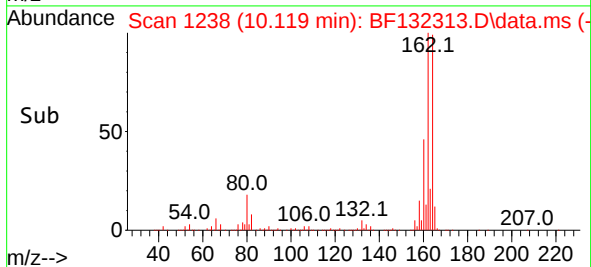
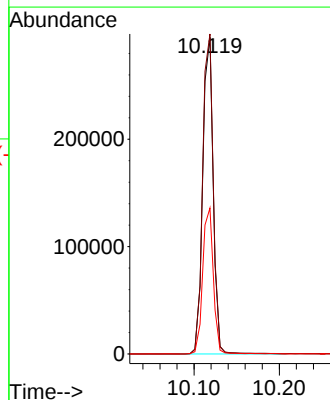
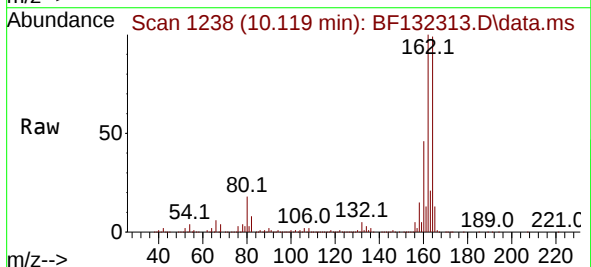
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2

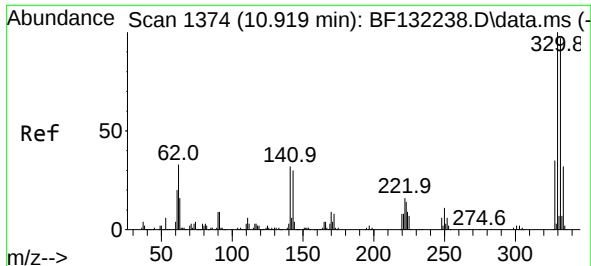
Tgt Ion: 82 Resp: 640035
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Tgt Ion:164 Resp: 251849
Ion Ratio Lower Upper
164 100
162 101.0 82.0 123.0
160 46.1 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 90.127 ng

RT: 10.907 min Scan# 1121

Delta R.T. -0.012 min

Lab File: BF132313.D

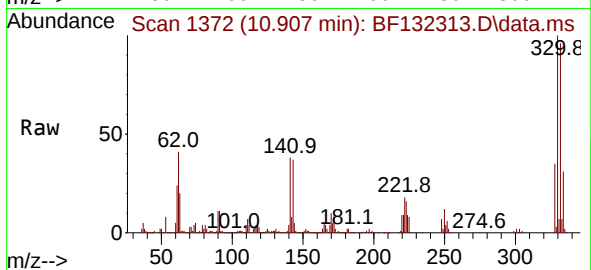
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Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2



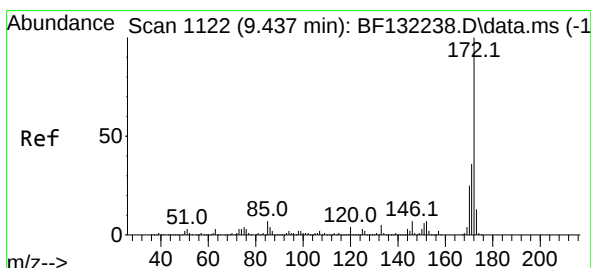
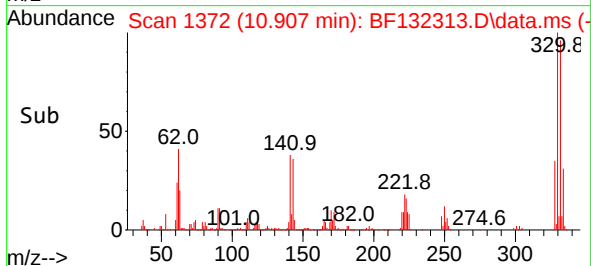
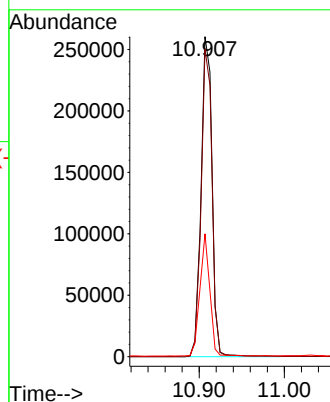
Tgt Ion:330 Resp: 233422

Ion Ratio Lower Upper

330 100

332 95.7 77.9 116.9

141 34.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 65.387 ng

RT: 9.430 min Scan# 1121

Delta R.T. -0.007 min

Lab File: BF132313.D

Acq: 03 Feb 2023 02:35

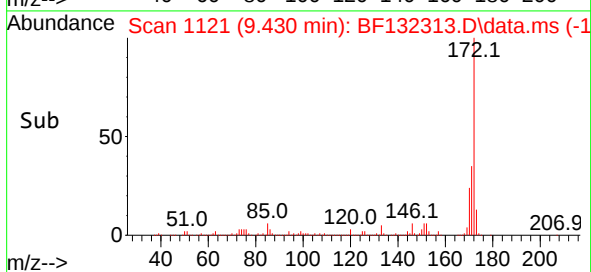
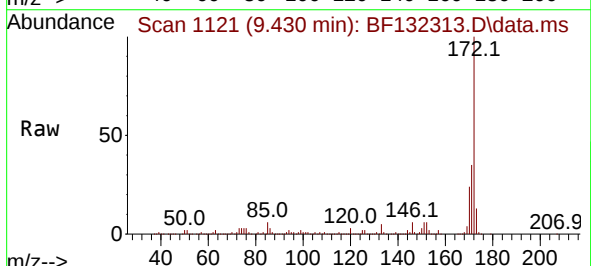
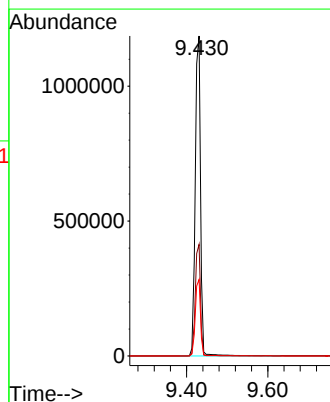
Tgt Ion:172 Resp: 1066383

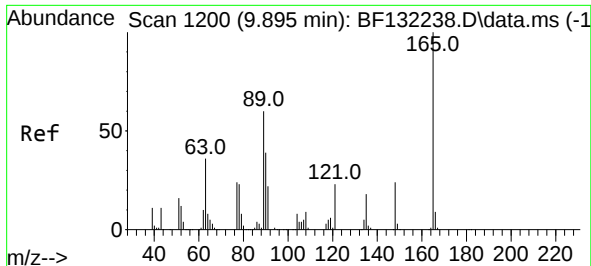
Ion Ratio Lower Upper

172 100

171 34.8 28.6 43.0

170 23.9 19.7 29.5





#51

2,6-Dinitrotoluene

Concen: 8.373 ng

RT: 10.119 min Scan# 1

Delta R.T. 0.224 min

Lab File: BF132313.D

Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2

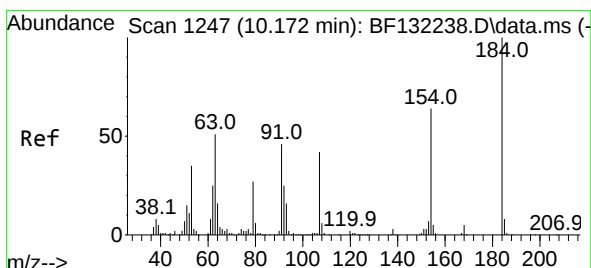
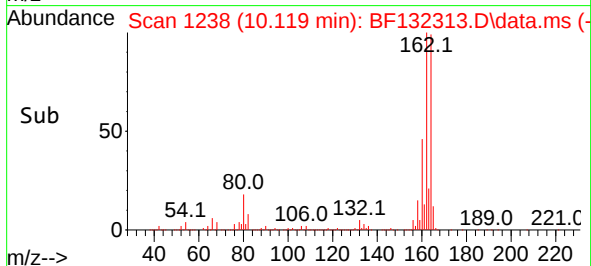
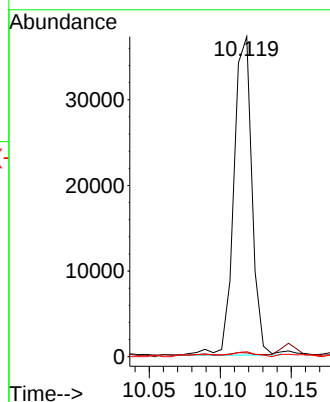
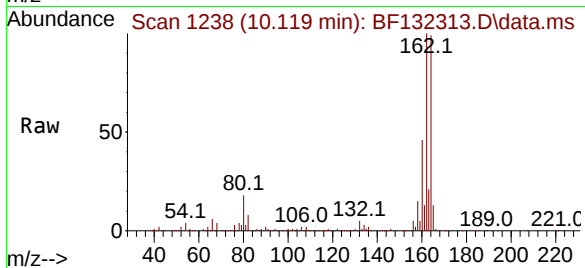
Tgt Ion:165 Resp: 32945

Ion Ratio Lower Upper

165 100

63 1.2 41.5 62.3#

89 1.5 48.1 72.1#



#54

2,4-Dinitrophenol

Concen: 4.352 ng

RT: 10.166 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF132313.D

Acq: 03 Feb 2023 02:35

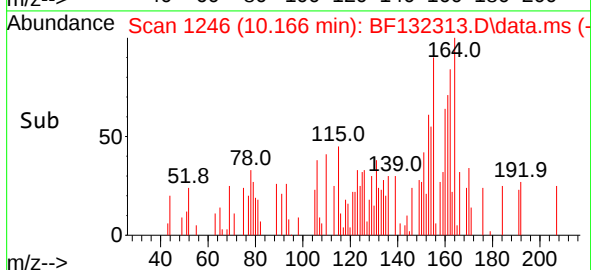
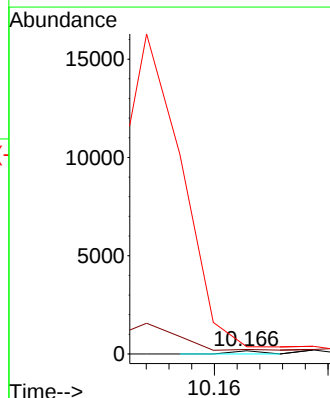
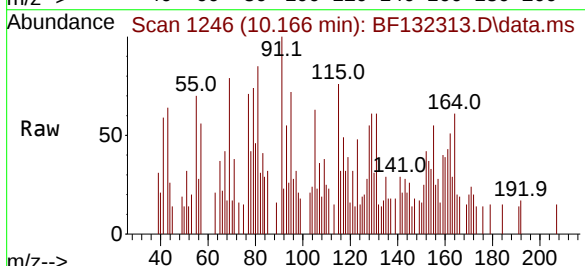
Tgt Ion:184 Resp: 58

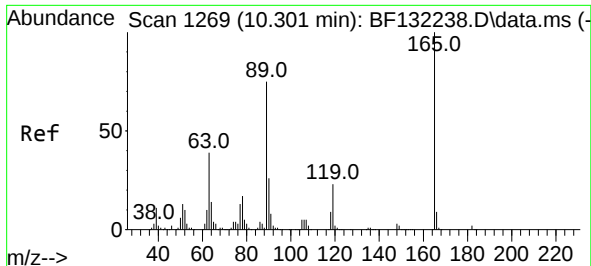
Ion Ratio Lower Upper

184 100

63 138.8 41.6 62.4#

154 223.0 57.0 85.6#

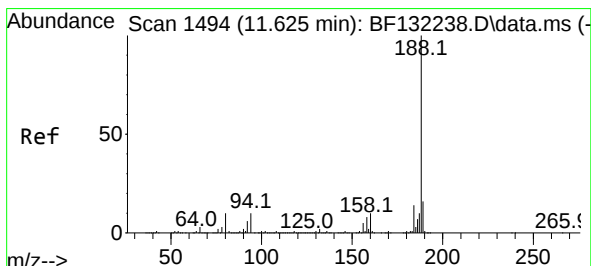
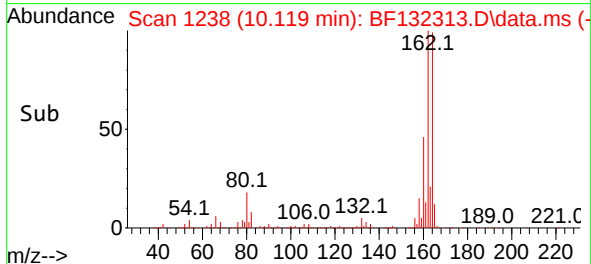
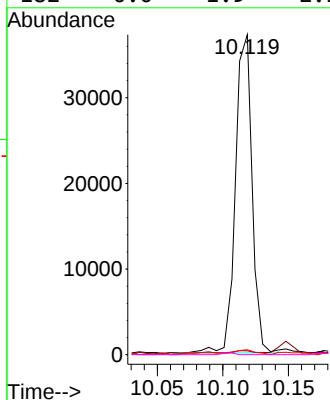
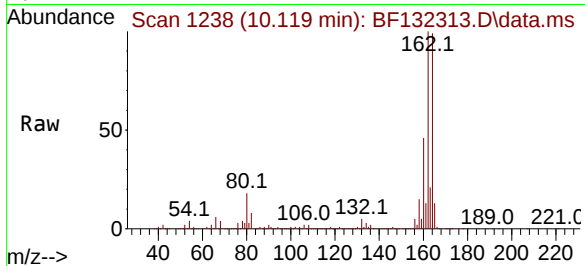




#57
2,4-Dinitrotoluene
Concen: 6.429 ng
RT: 10.119 min Scan# 11
Delta R.T. -0.183 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

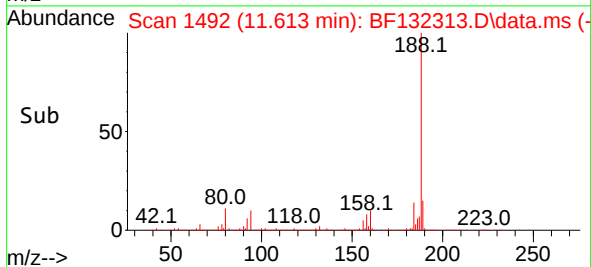
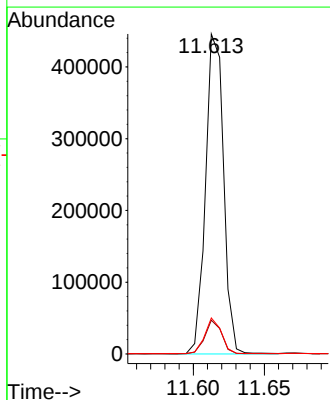
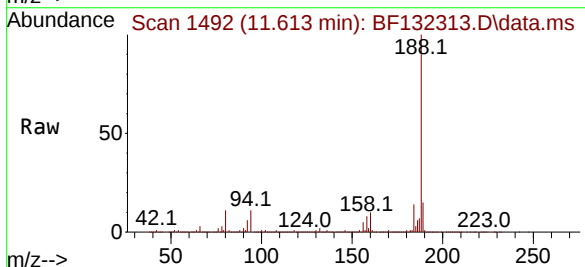
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2

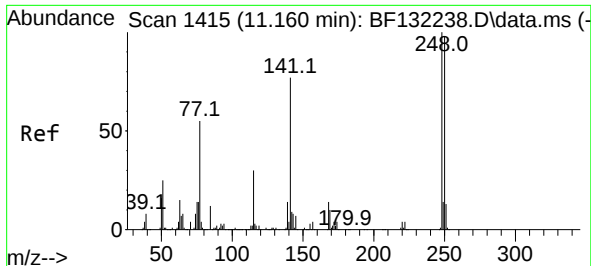
Tgt Ion:165 Resp: 32858
Ion Ratio Lower Upper
165 100
63 1.2 30.9 46.3#
89 1.5 60.1 90.1#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.613 min Scan# 1492
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Tgt Ion:188 Resp: 395709
Ion Ratio Lower Upper
188 100
94 10.6 8.2 12.2
80 11.3 8.3 12.5

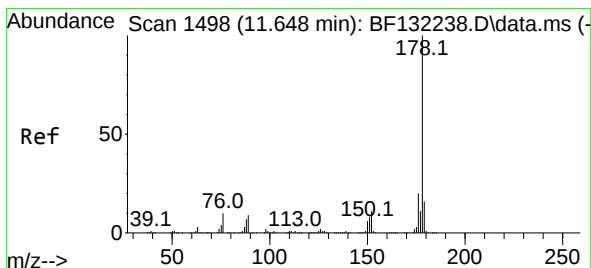
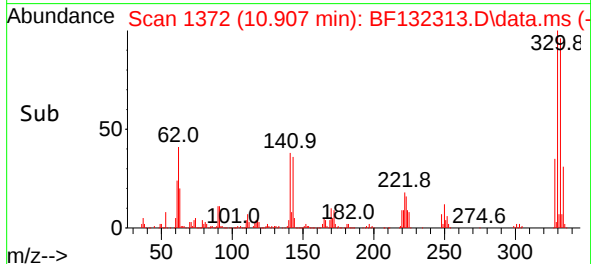
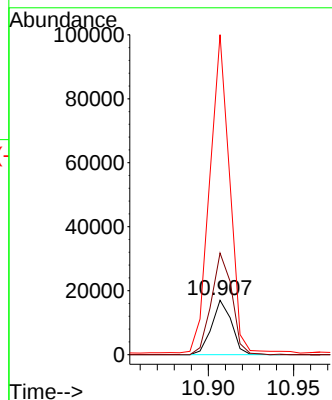
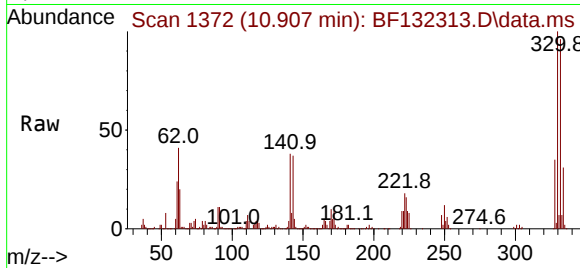




#67
4-Bromophenyl-phenylether
Concen: 3.425 ng
RT: 10.907 min Scan# 11
Delta R.T. -0.253 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

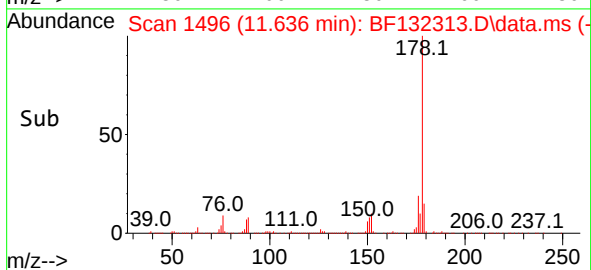
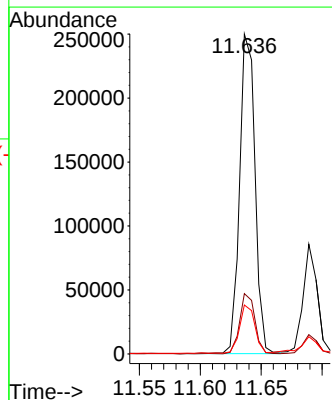
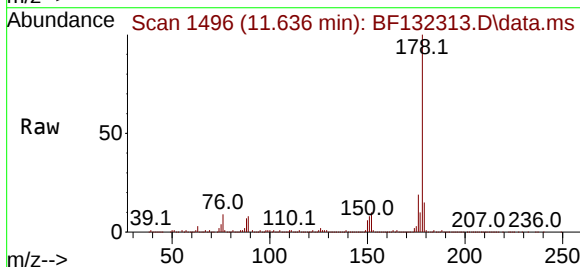
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2

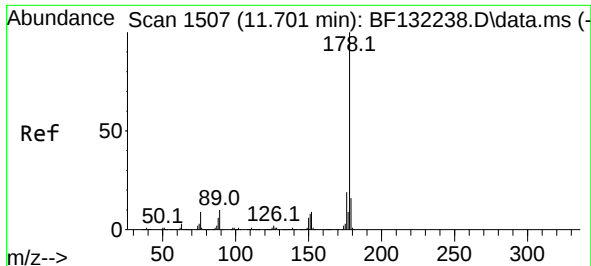
Tgt Ion:248 Resp: 13879
Ion Ratio Lower Upper
248 100
250 186.6 78.6 117.8#
141 587.9 61.6 92.4#



#71
Phenanthrene
Concen: 10.604 ng
RT: 11.636 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Tgt Ion:178 Resp: 219266
Ion Ratio Lower Upper
178 100
176 18.9 16.2 24.4
179 15.3 12.8 19.2

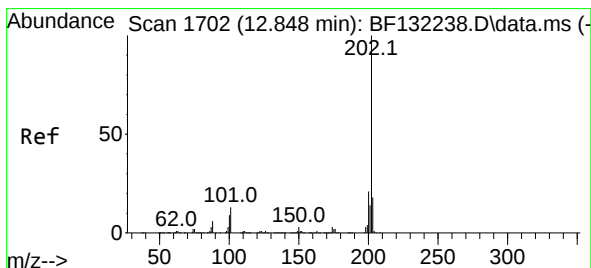
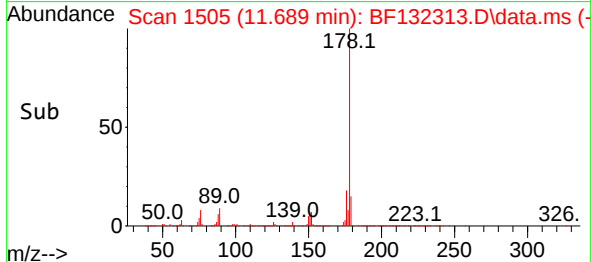
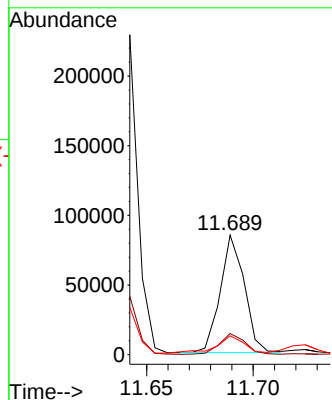
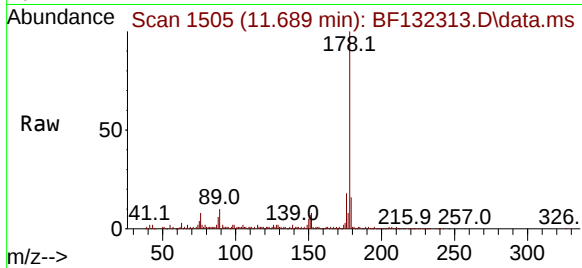




#72
 Anthracene
 Concen: 3.158 ng
 RT: 11.689 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF132313.D
 Acq: 03 Feb 2023 02:35

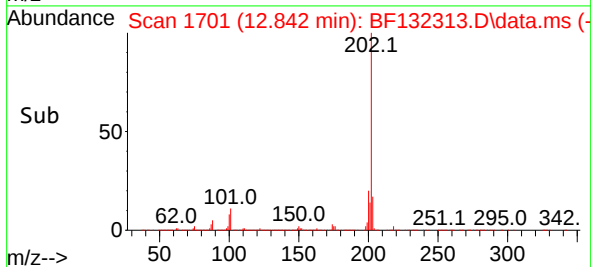
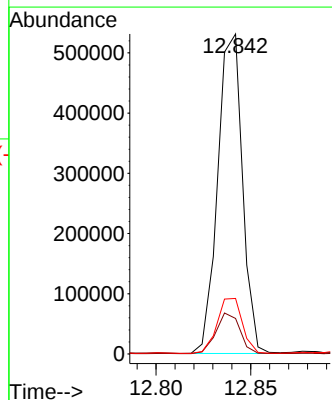
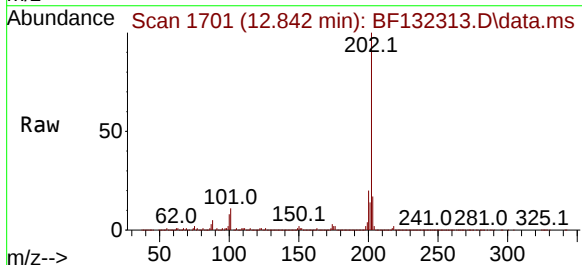
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-2

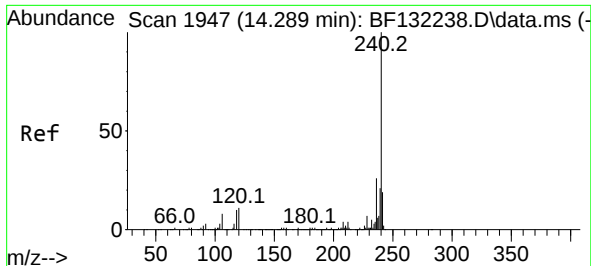
Tgt Ion:178 Resp: 66455
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.2
 179 15.8 12.8 19.2



#75
 Fluoranthene
 Concen: 22.910 ng
 RT: 12.842 min Scan# 1701
 Delta R.T. -0.006 min
 Lab File: BF132313.D
 Acq: 03 Feb 2023 02:35

Tgt Ion:202 Resp: 483424
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 32.7
 203 17.3 0.0 37.9

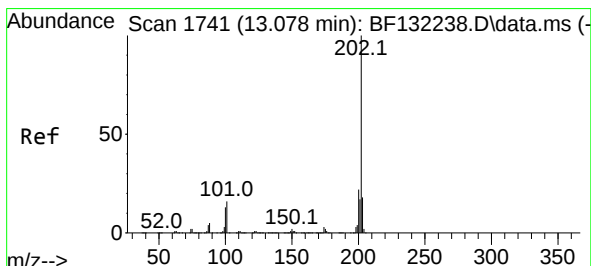
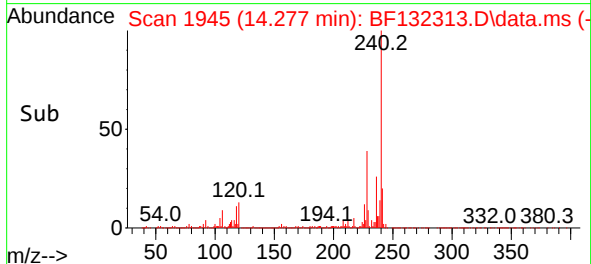
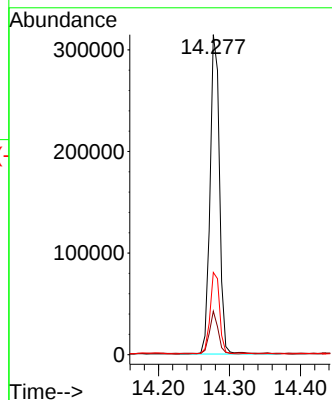
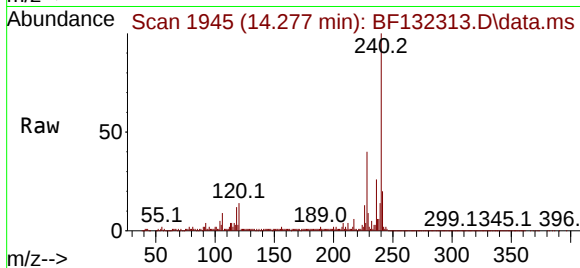




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

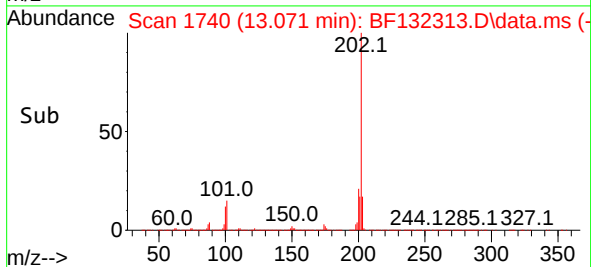
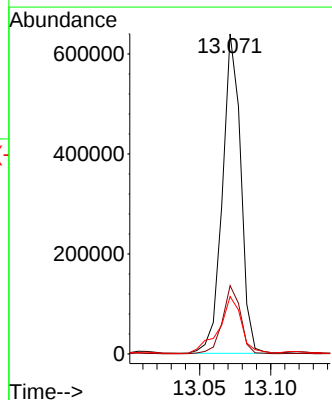
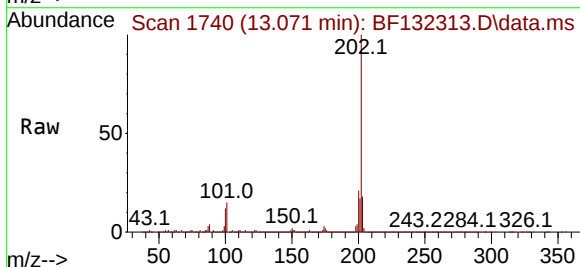
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2

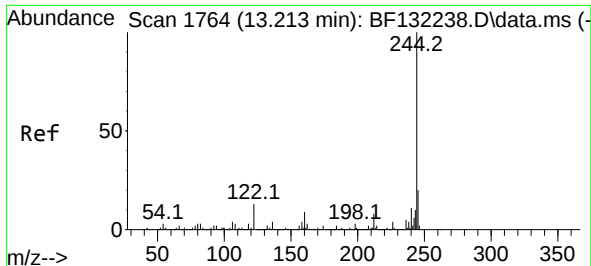
Tgt Ion:240 Resp: 290469
Ion Ratio Lower Upper
240 100
120 13.6 8.8 13.2#
236 25.7 21.0 31.6



#78
Pyrene
Concen: 24.537 ng
RT: 13.071 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Tgt Ion:202 Resp: 573241
Ion Ratio Lower Upper
202 100
200 21.4 17.3 25.9
203 18.0 14.4 21.6

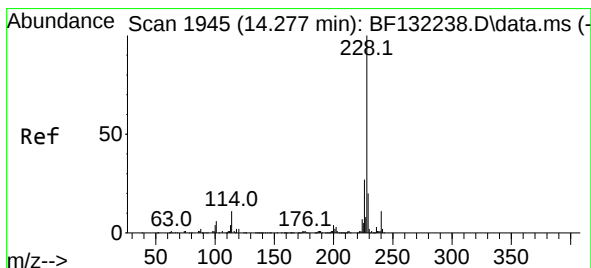
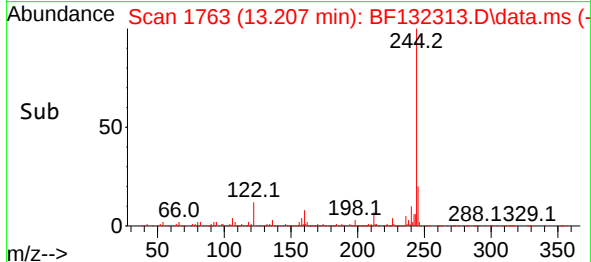
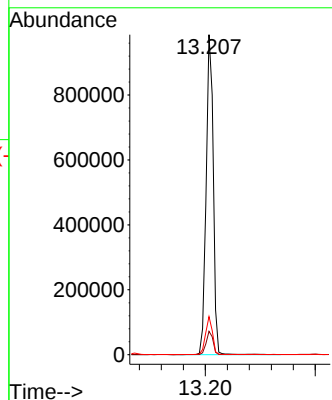
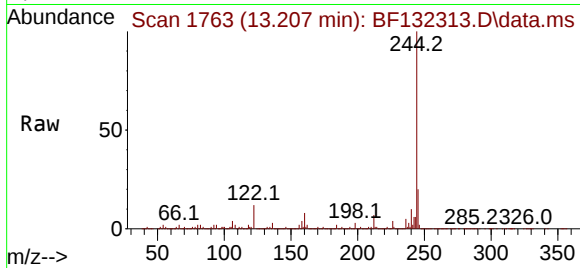




#79
 Terphenyl-d14
 Concen: 58.703 ng
 RT: 13.207 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132313.D
 Acq: 03 Feb 2023 02:35

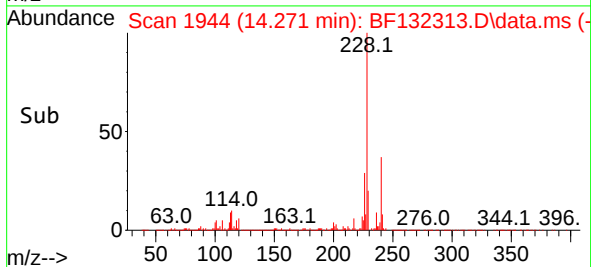
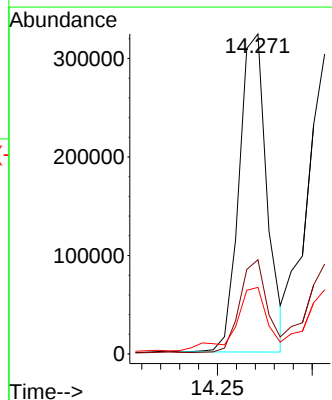
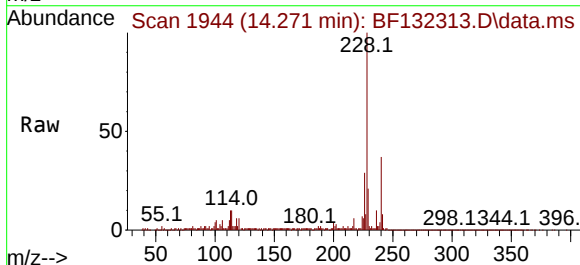
Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-2

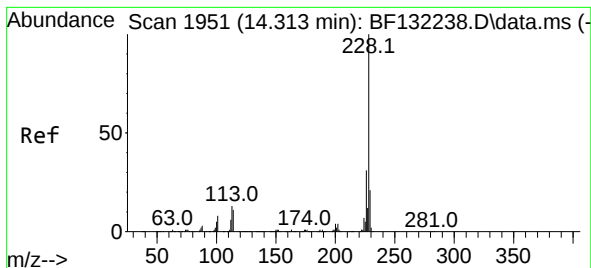
Tgt Ion:244 Resp: 881479
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.4 9.6
 122 11.9 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 16.220 ng
 RT: 14.271 min Scan# 1944
 Delta R.T. -0.006 min
 Lab File: BF132313.D
 Acq: 03 Feb 2023 02:35

Tgt Ion:228 Resp: 329531
 Ion Ratio Lower Upper
 228 100
 226 29.4 22.0 33.0
 229 20.8 15.8 23.6





#83

Chrysene

Concen: 15.819 ng

RT: 14.307 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BF132313.D

Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2

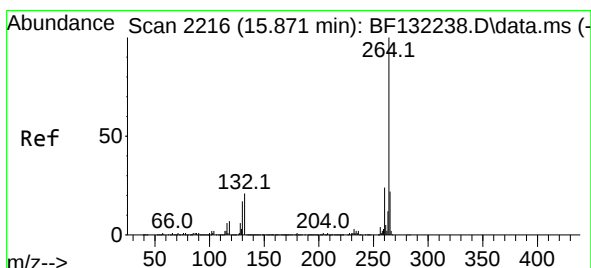
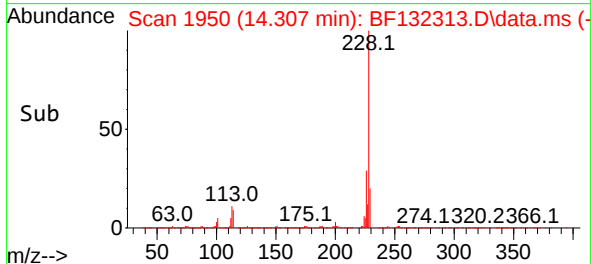
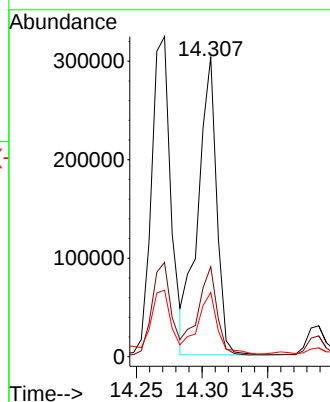
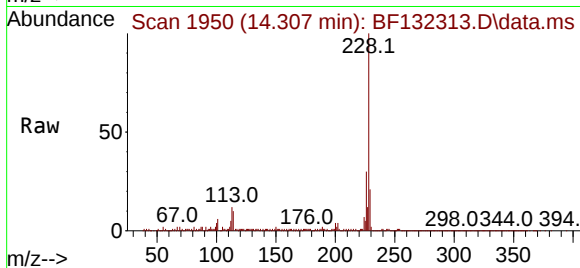
Tgt Ion:228 Resp: 300934

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

229 21.4 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.871 min Scan# 2216

Delta R.T. -0.000 min

Lab File: BF132313.D

Acq: 03 Feb 2023 02:35

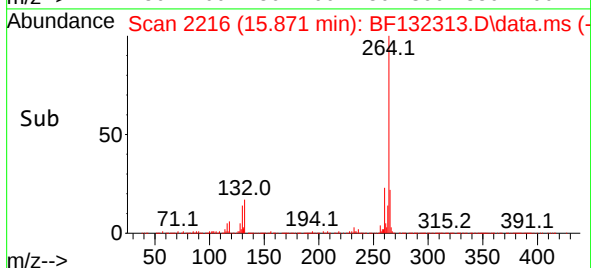
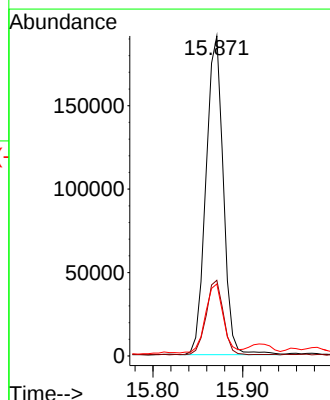
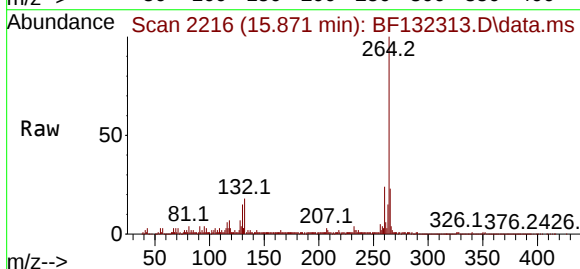
Tgt Ion:264 Resp: 255972

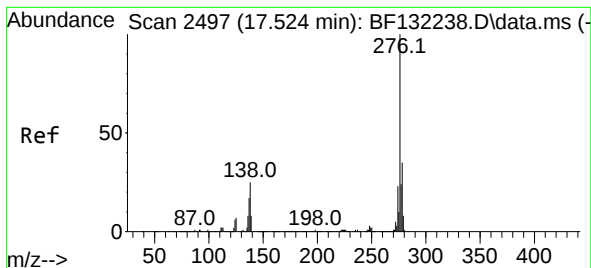
Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 22.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.454 ng

RT: 17.512 min Scan# 2495

Delta R.T. -0.012 min

Lab File: BF132313.D

Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2

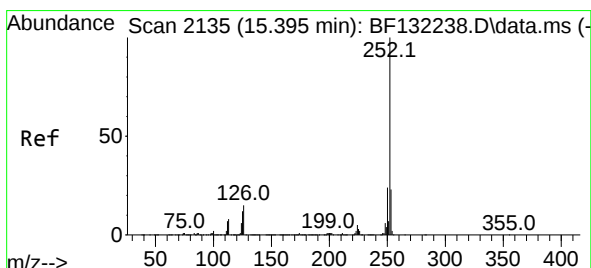
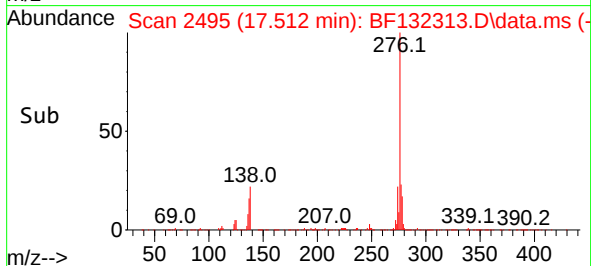
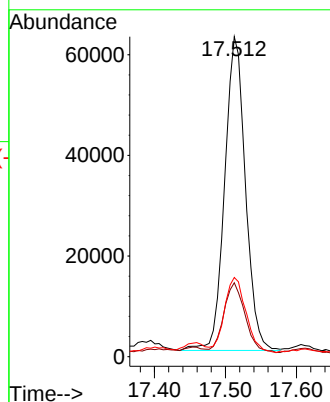
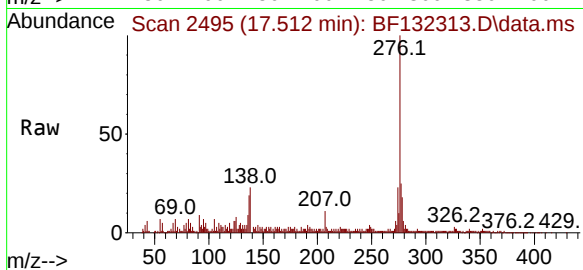
Tgt Ion:276 Resp: 126783

Ion Ratio Lower Upper

276 100

138 22.6 23.3 34.9#

277 24.8 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 27.829 ng

RT: 15.389 min Scan# 2134

Delta R.T. -0.006 min

Lab File: BF132313.D

Acq: 03 Feb 2023 02:35

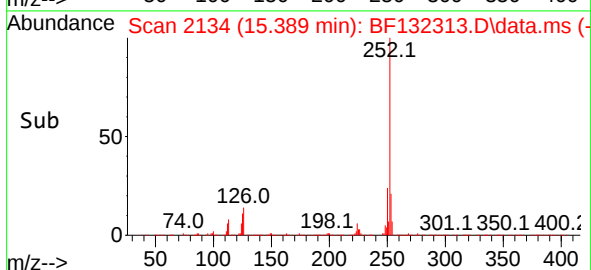
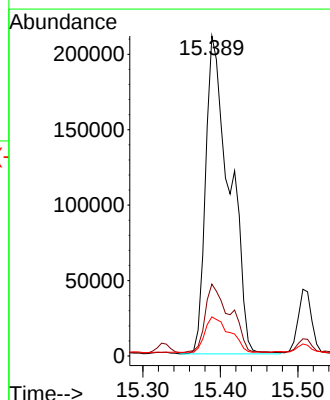
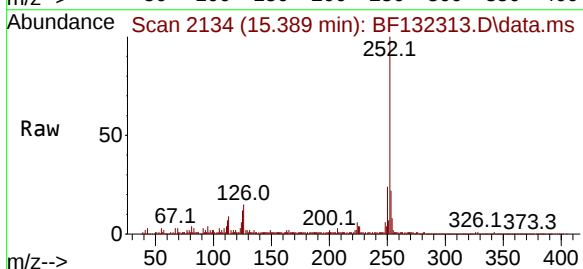
Tgt Ion:252 Resp: 452806

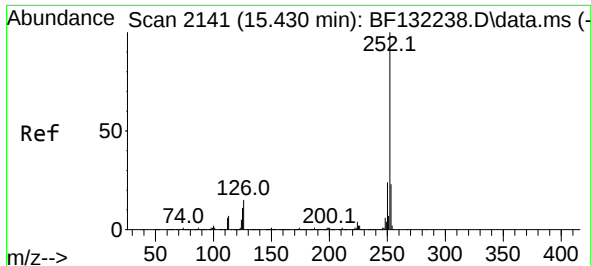
Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

125 12.2 9.6 14.4





#89

Benzo(k)fluoranthene

Concen: 29.155 ng

RT: 15.389 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF132313.D

Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2

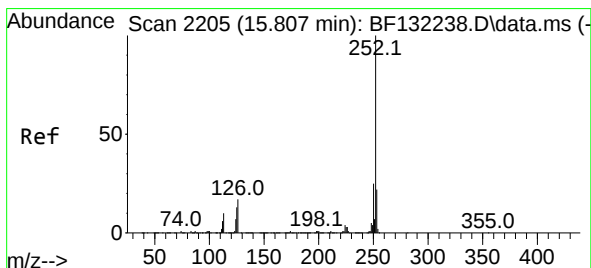
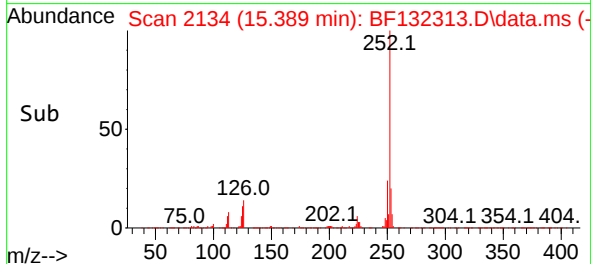
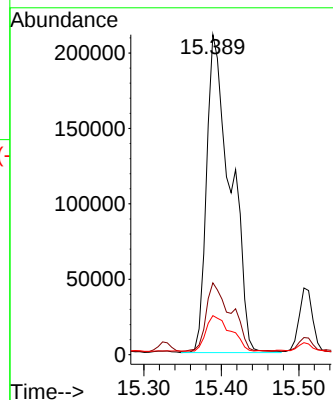
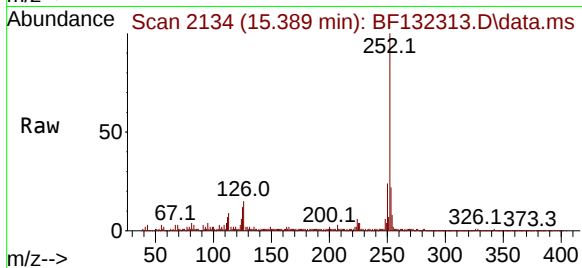
Tgt Ion:252 Resp: 452806

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.2

125 12.2 9.0 13.6



#90

Benzo(a)pyrene

Concen: 16.927 ng

RT: 15.801 min Scan# 2204

Delta R.T. -0.006 min

Lab File: BF132313.D

Acq: 03 Feb 2023 02:35

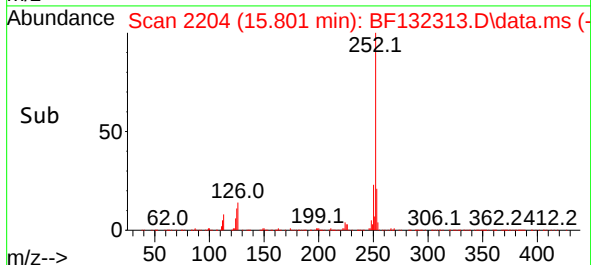
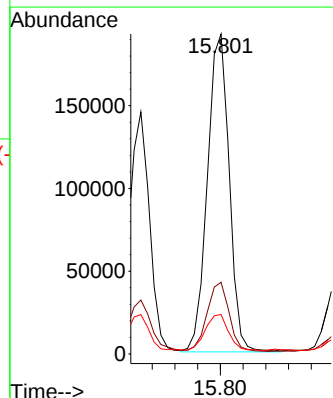
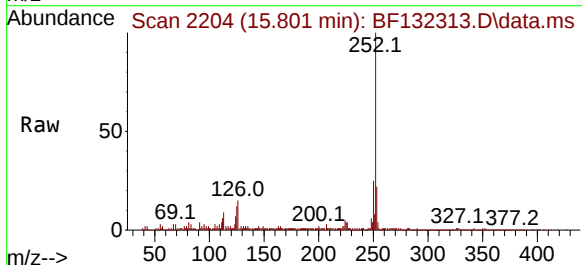
Tgt Ion:252 Resp: 256460

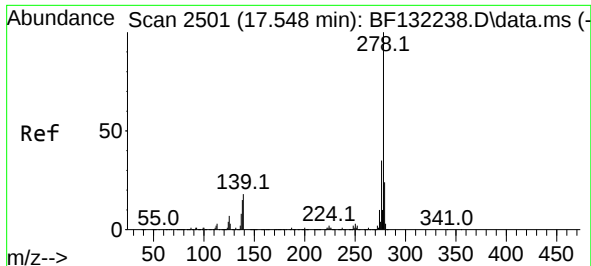
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 12.4 10.2 15.4

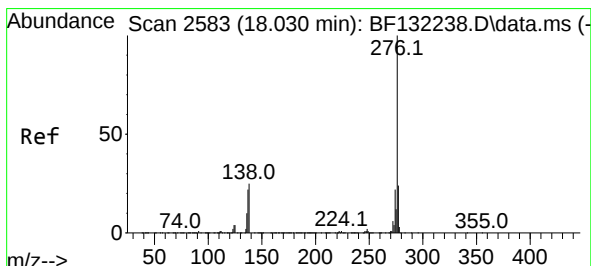
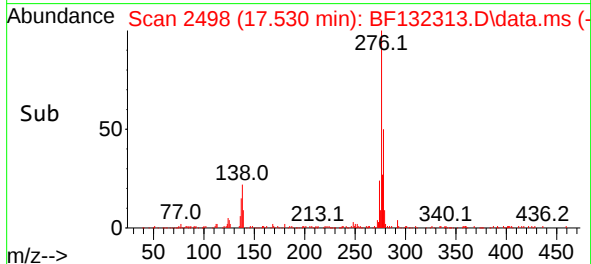
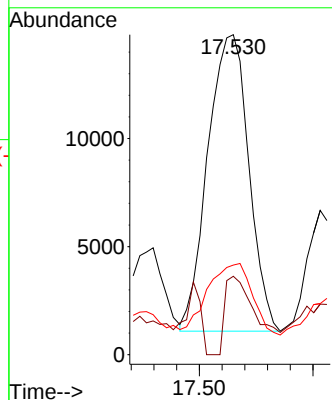
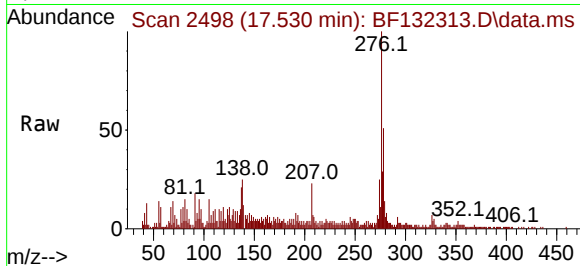




#91
Dibenzo(a,h)anthracene
Concen: 2.509 ng
RT: 17.530 min Scan# 2498
Delta R.T. -0.018 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2

Tgt Ion:278 Resp: 34305
Ion Ratio Lower Upper
278 100
139 24.5 14.2 21.2#
279 28.0 19.6 29.4



#92
Benzo(g,h,i)perylene
Concen: 9.146 ng
RT: 18.018 min Scan# 2581
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Tgt Ion:276 Resp: 129205
Ion Ratio Lower Upper
276 100
277 24.9 19.4 29.2
138 24.0 20.3 30.5

