

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

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 02/06/2023
 Supervised By :Jagrut Upadhyay 02/06/2023

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
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	359146m	22.073	ng	
89) Benzo(k)fluoranthene	15.418	252	91402m	5.885	ng	
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

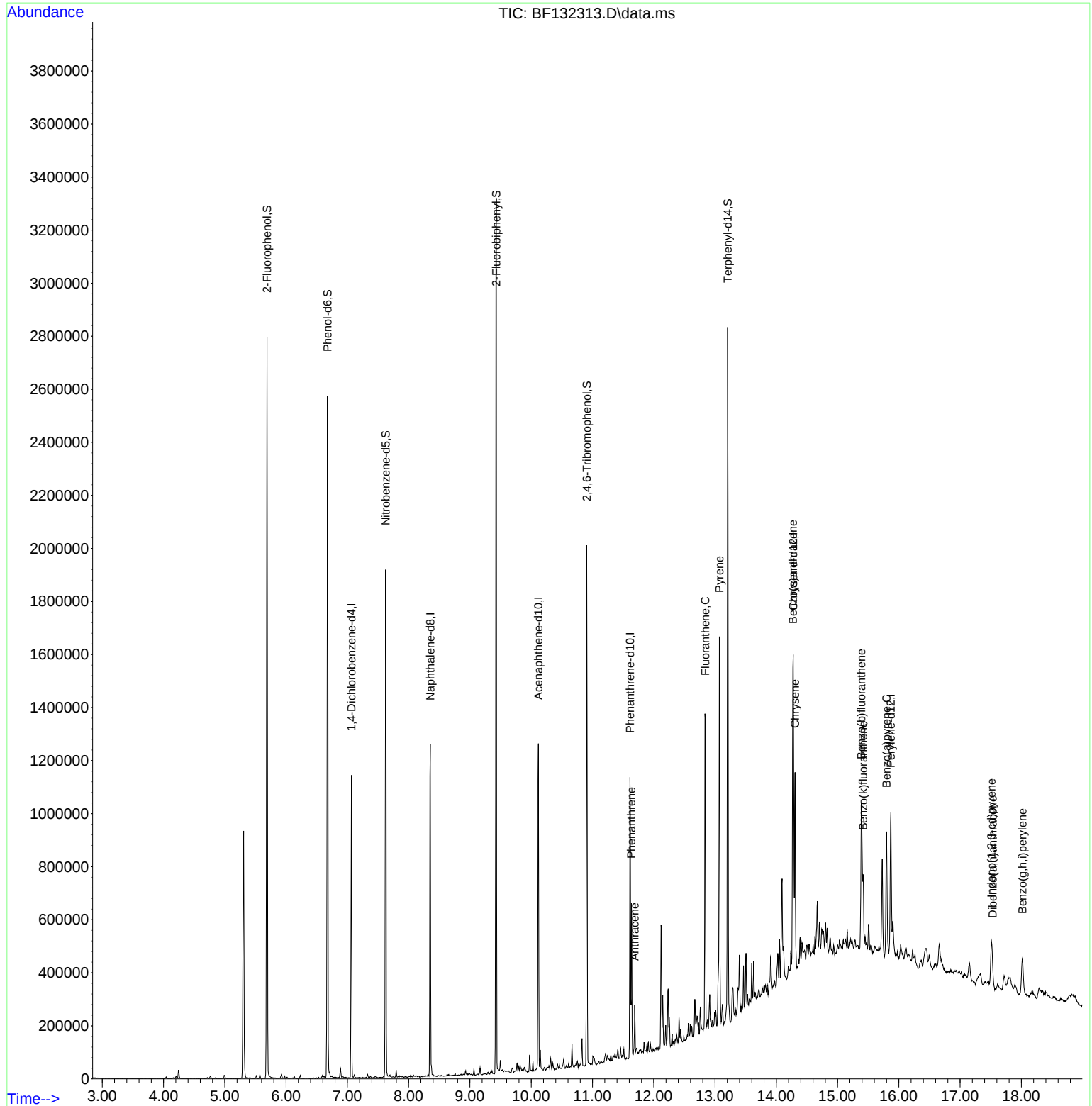
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020223\
Data File : BF132313.D
Acq On : 03 Feb 2023 02:35
Operator : CG\JU
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Misc :
ALS Vial : 22 Sample Multiplier: 1

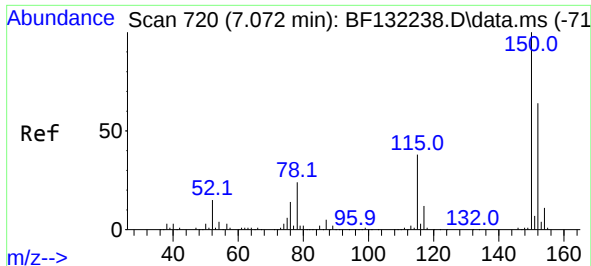
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BNA_F
ClientSampleId :
STOCKPILE-2

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
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#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 :

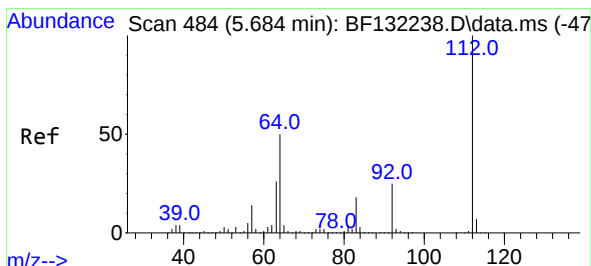
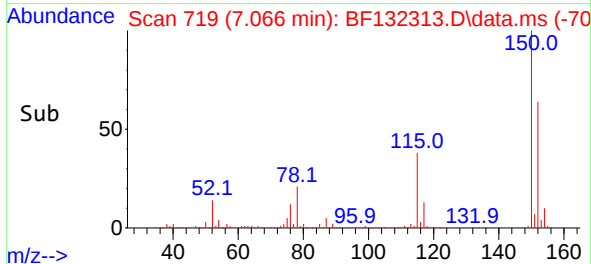
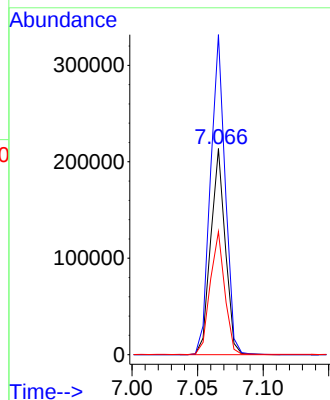
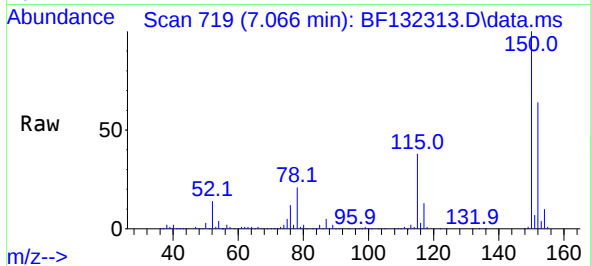
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Tgt Ion:152 Resp: 165610
Ion Ratio Lower Upper
152 100
150 155.3 124.2 186.2
115 59.7 47.3 70.9

Manual Integrations

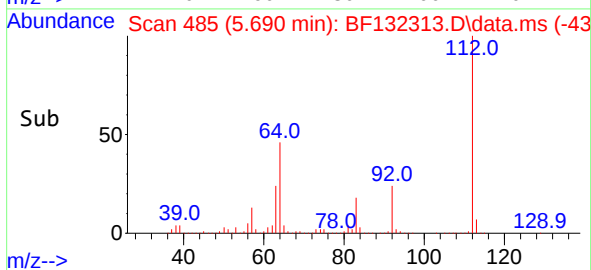
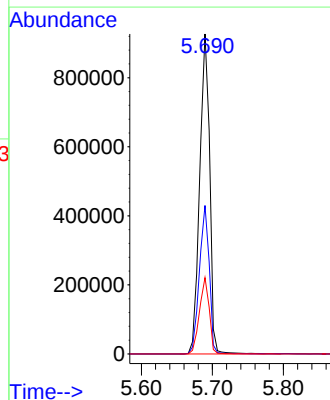
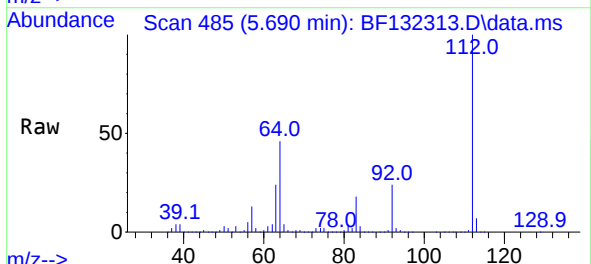
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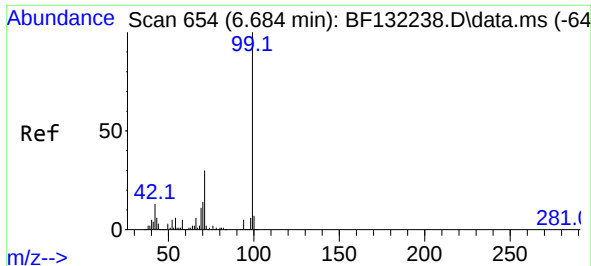
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#5
2-Fluorophenol
Concen: 88.191 ng
RT: 5.690 min Scan# 485
Delta R.T. 0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

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





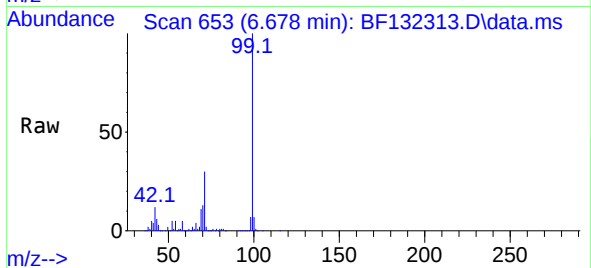
#7
Phenol-d6
Concen: 83.817 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2

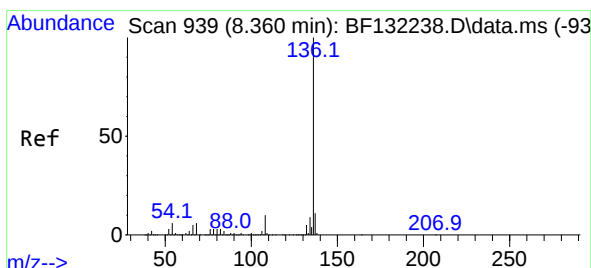
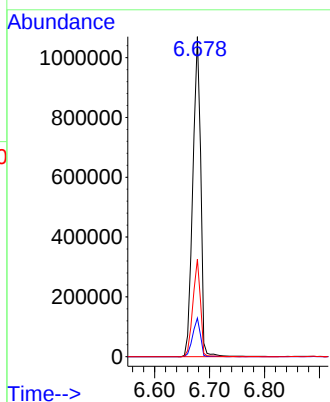
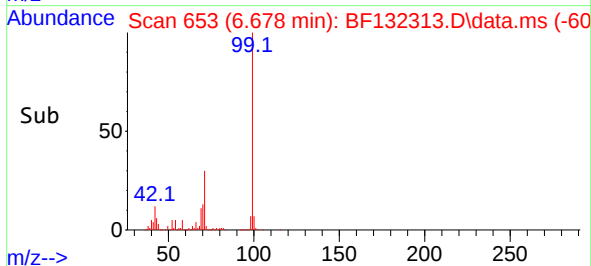


Tgt Ion: 99 Resp: 106465
Ion Ratio Lower Upper
99 100
42 12.0 10.1 15.1
71 30.4 24.2 36.4

Manual Integrations

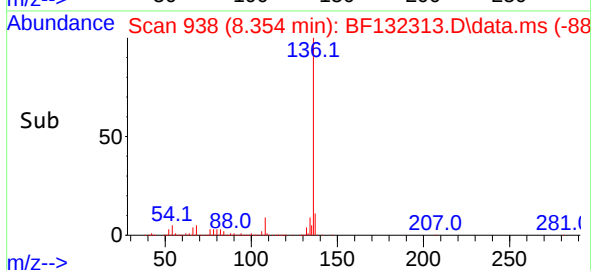
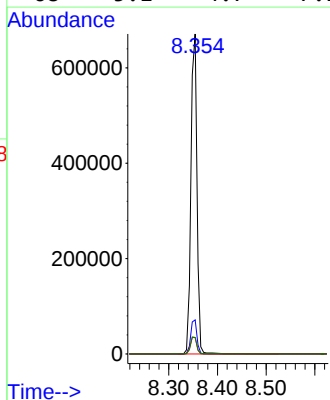
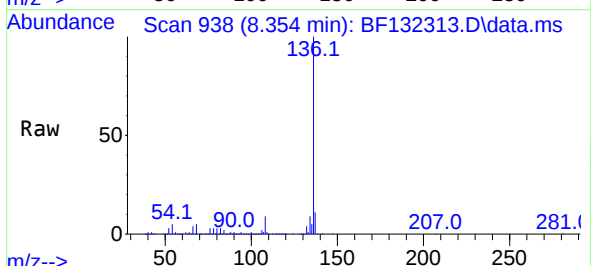
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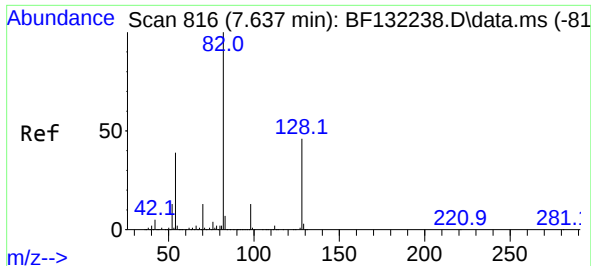
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

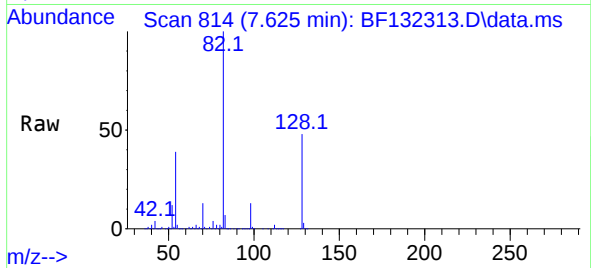
Tgt Ion:136 Resp: 578045
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 5.2 4.9 7.3
68 5.1 4.7 7.1





#23
Nitrobenzene-d5
Concen: 61.616 ng
RT: 7.625 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

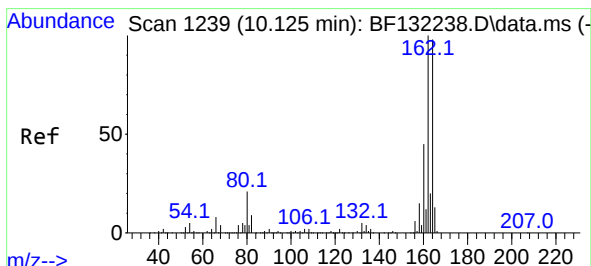
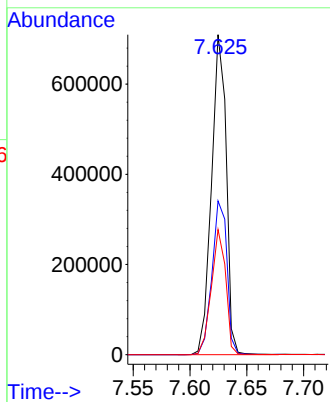
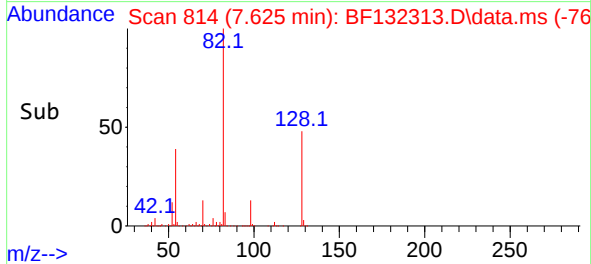
Instrument :
BNA_F
ClientSampleId :
STOCKPILE-2



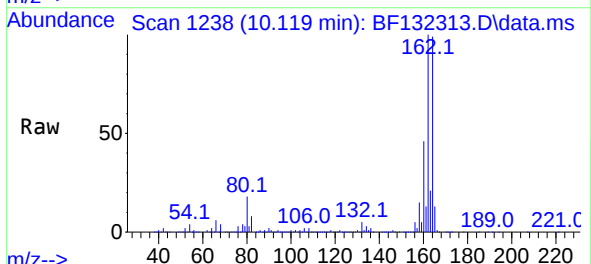
Tgt Ion: 82 Resp: 640044
Ion Ratio Lower Upper
82 100
128 48.0 37.0 55.4
54 39.1 31.5 47.3

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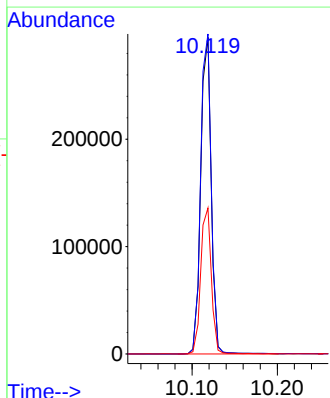
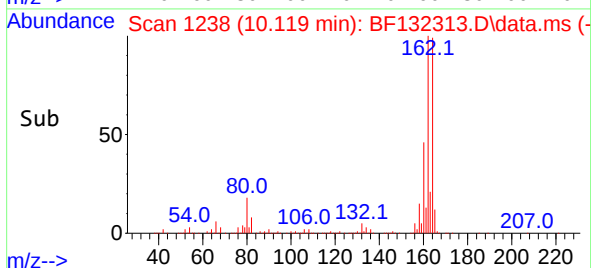
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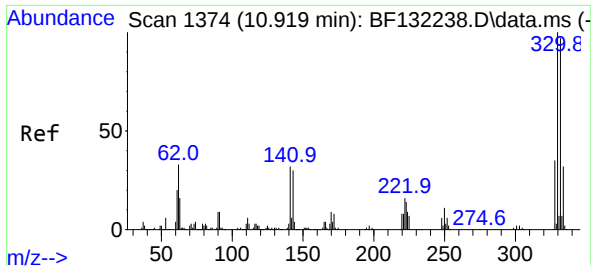


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35



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





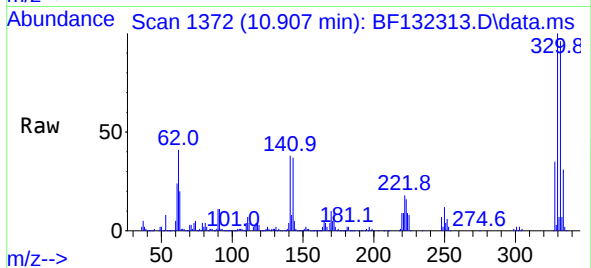
#42
2,4,6-Tribromophenol
Concen: 90.127 ng
RT: 10.907 min Scan# 111
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2

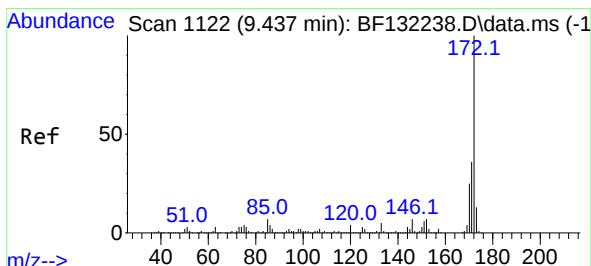
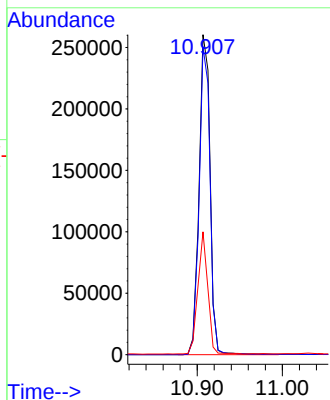
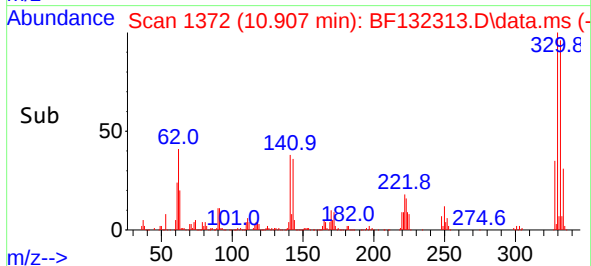


Tgt Ion:330 Resp: 23342
Ion Ratio Lower Upper
330 100
332 95.7 77.9 116.9
141 34.7 31.0 46.4

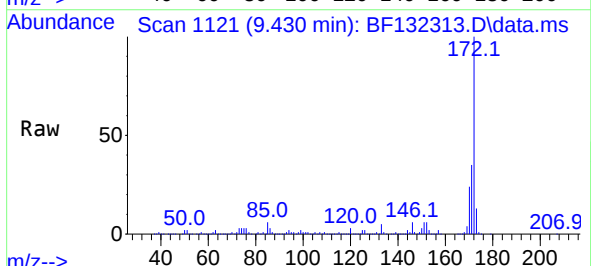
Manual Integrations

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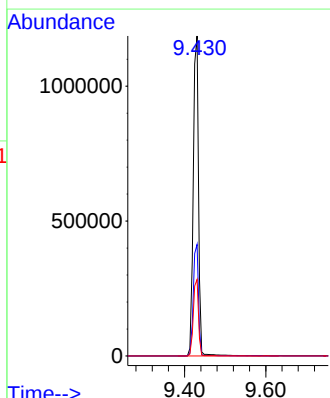
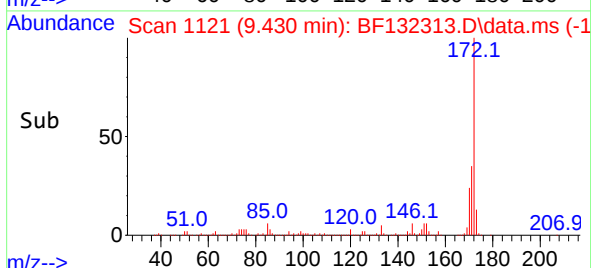
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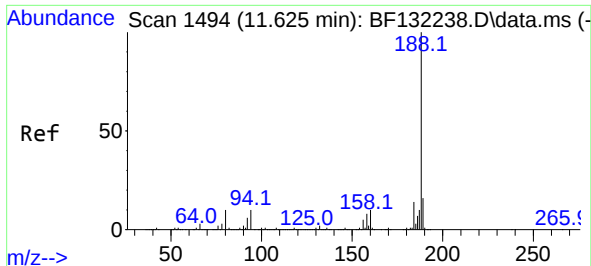


#45
2-Fluorobiphenyl
Concen: 65.387 ng
RT: 9.430 min Scan# 1121
Delta R.T. -0.007 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35



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





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.613 min Scan# 1494
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

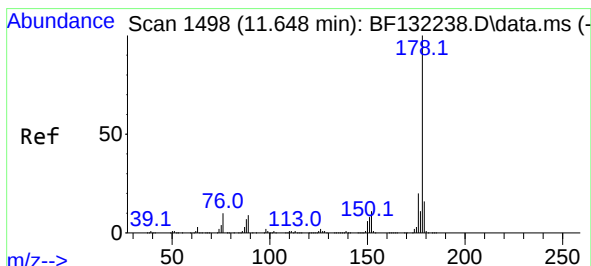
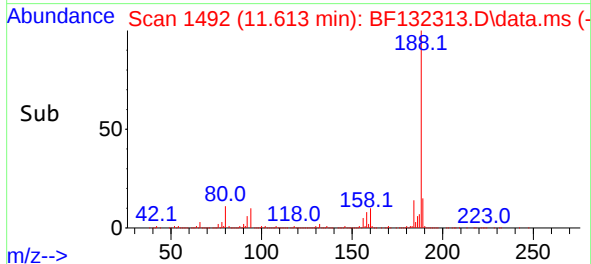
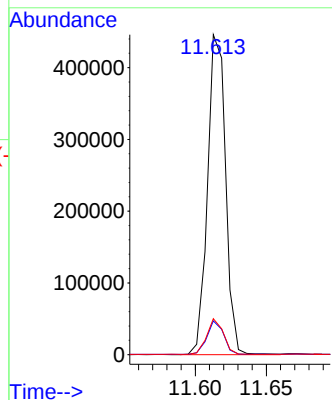
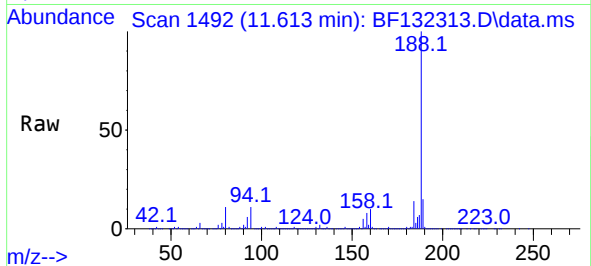
STOCKPILE-2

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

Manual Integrations

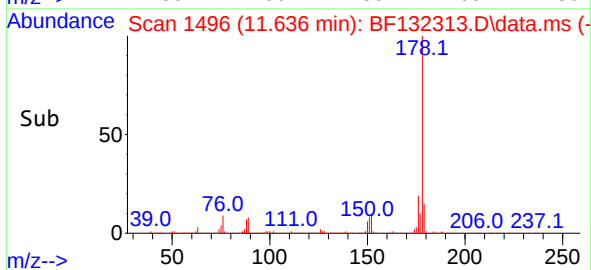
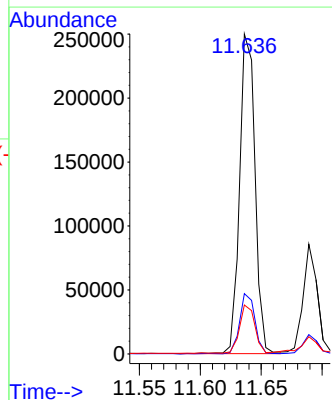
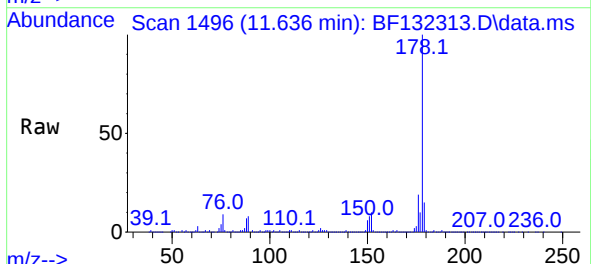
APPROVED

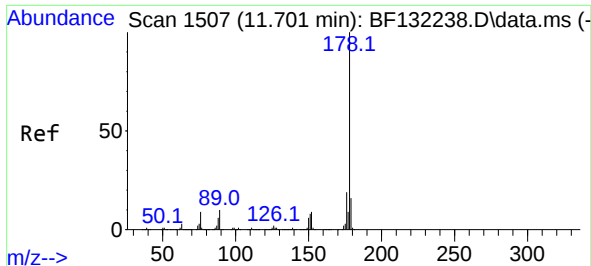
Reviewed By :Christian Giraldo 02/06/2023
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#71
Phenanthrene
Concen: 10.604 ng
RT: 11.636 min Scan# 1496
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

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





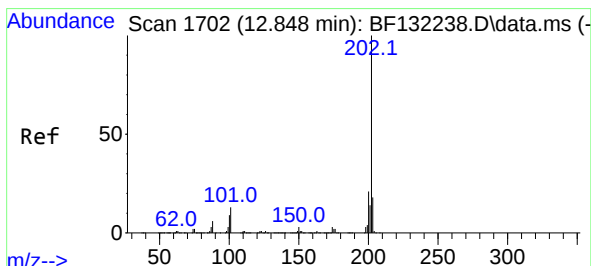
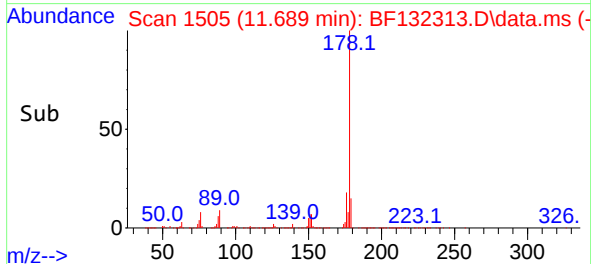
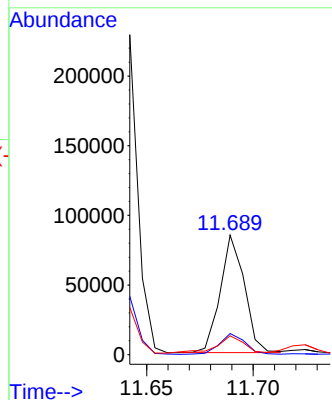
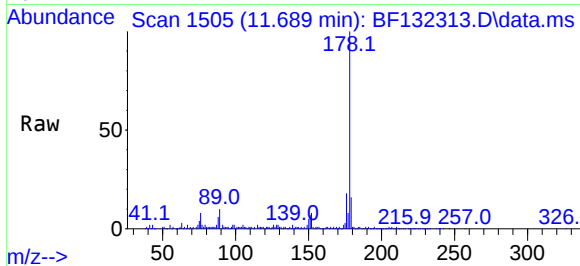
#72
 Anthracene
 Concen: 3.158 ng
 RT: 11.689 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF132313.D
 Acq: 03 Feb 2023 02:35

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-2

Tgt Ion:178 Resp: 6645
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.2
 179 15.8 12.8 19.2

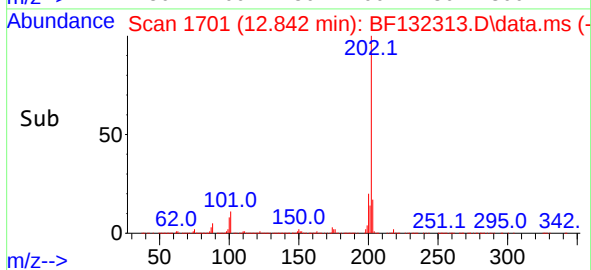
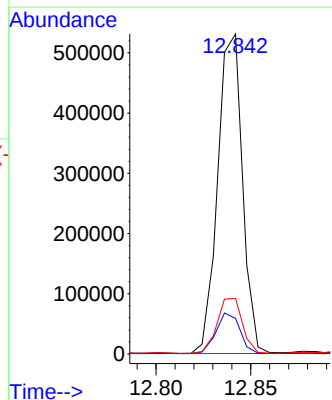
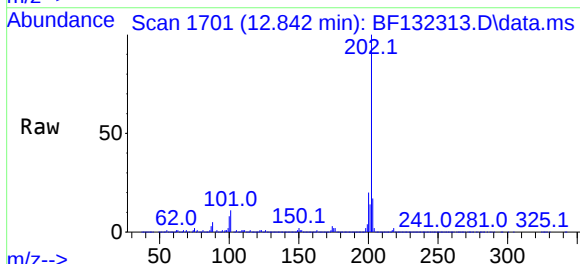
Manual Integrations
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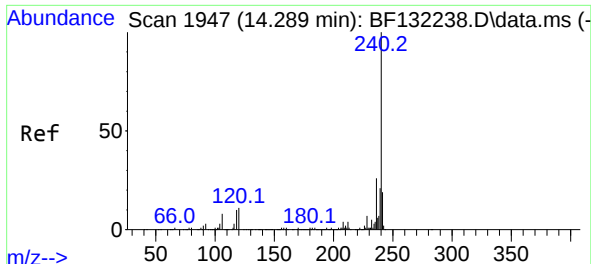
Reviewed By :Christian Giraldo 02/06/2023
 Supervised By :Jagrut Upadhyay 02/06/2023



#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





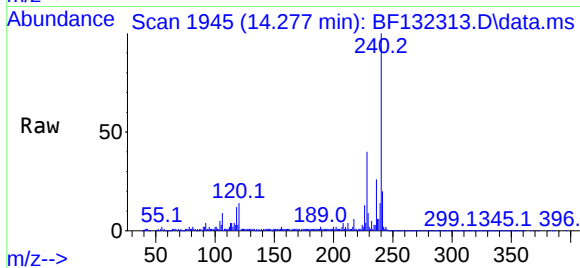
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1947
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2

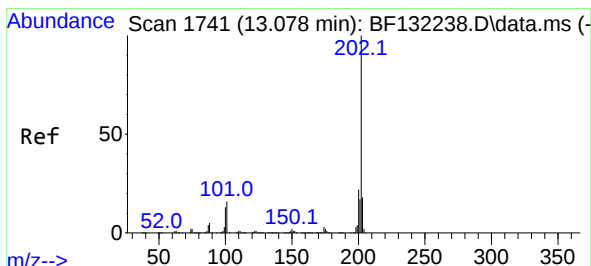
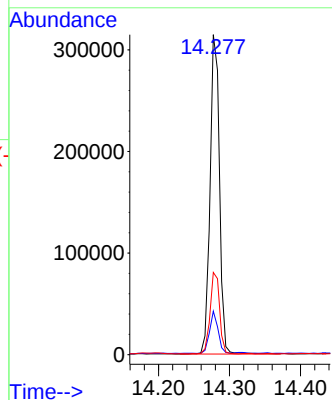
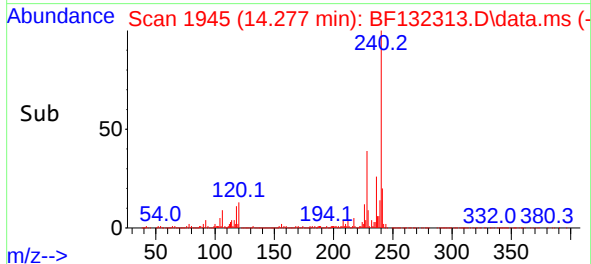


Tgt Ion:240 Resp: 290469
Ion Ratio Lower Upper
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120 13.6 8.8 13.2
236 25.7 21.0 31.6

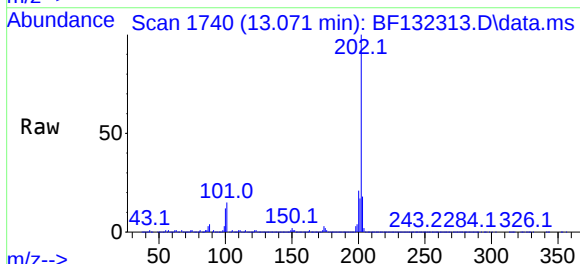
Manual Integrations

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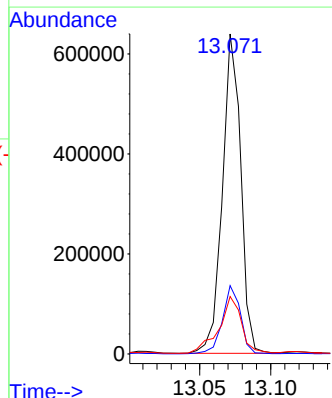
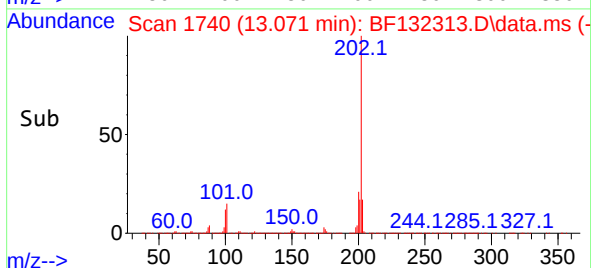
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

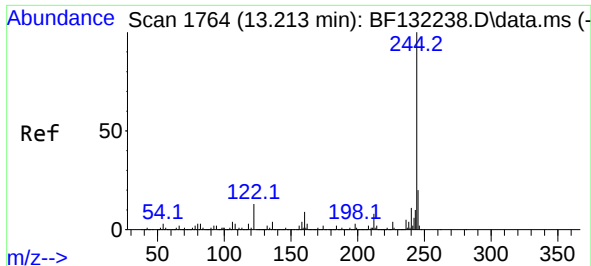


#78
Pyrene
Concen: 24.537 ng
RT: 13.071 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35



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





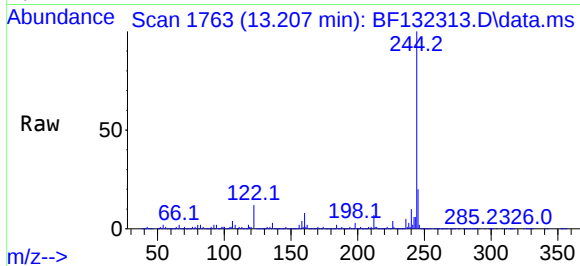
#79
Terphenyl-d14
Concen: 58.703 ng
RT: 13.207 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2

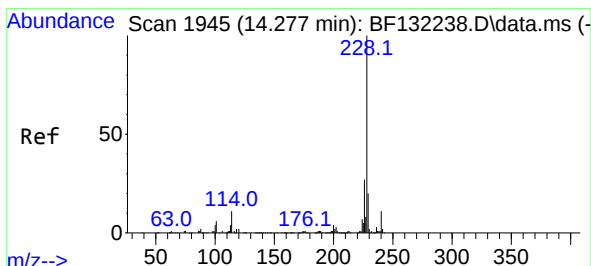
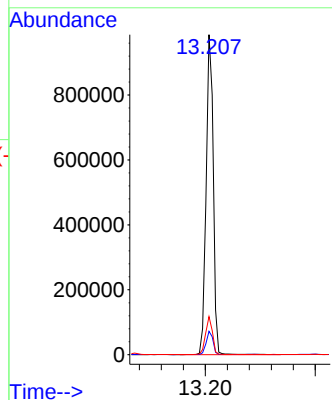
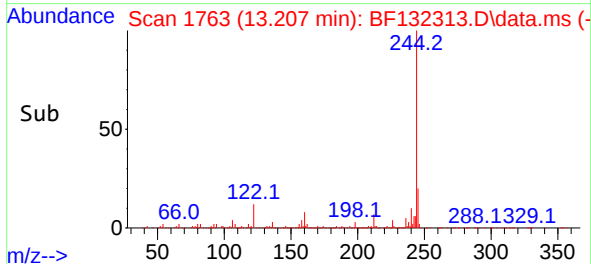


Tgt Ion:244 Resp: 881479
Ion Ratio Lower Upper
244 100
212 7.3 6.4 9.6
122 11.9 10.5 15.7

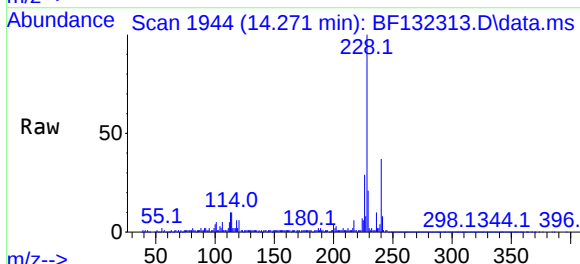
Manual Integrations

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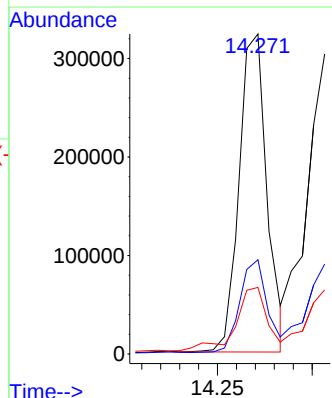
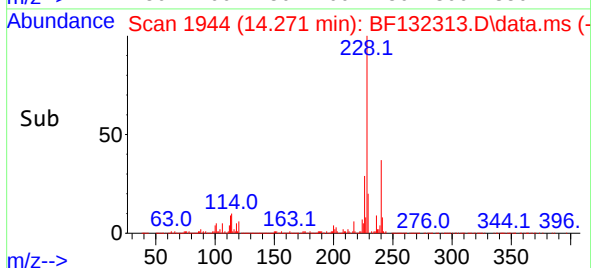
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023

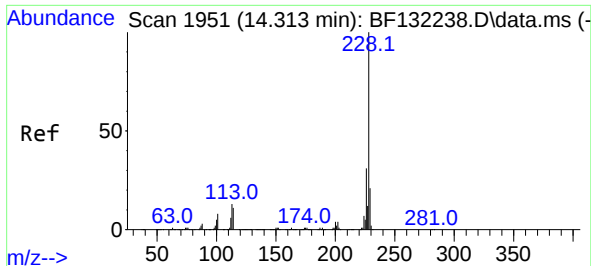


#81
Benzo(a)anthracene
Concen: 16.220 ng
RT: 14.271 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35



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





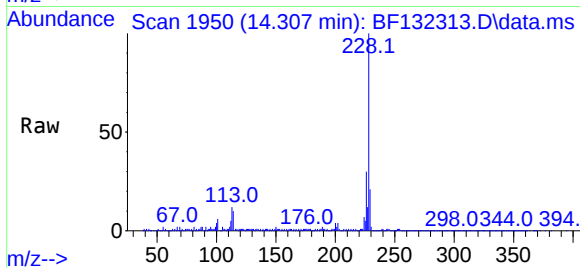
#83
Chrysene
Concen: 15.819 ng
RT: 14.307 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-2

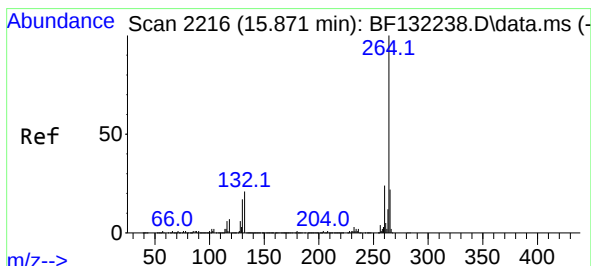
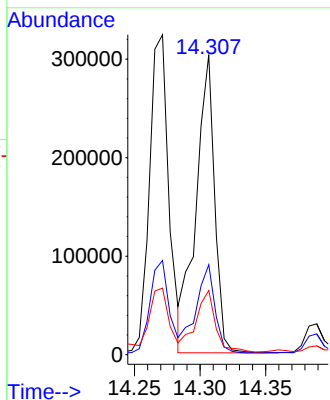
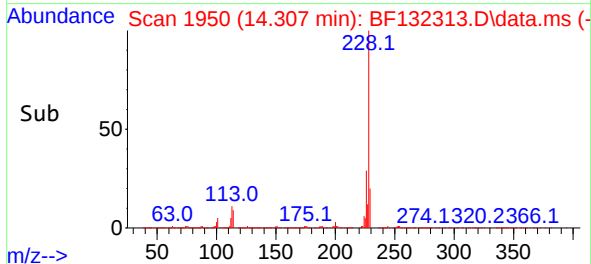


Tgt Ion:228 Resp: 300934
Ion Ratio Lower Upper
228 100
226 30.0 24.9 37.3
229 21.4 16.4 24.6

Manual Integrations

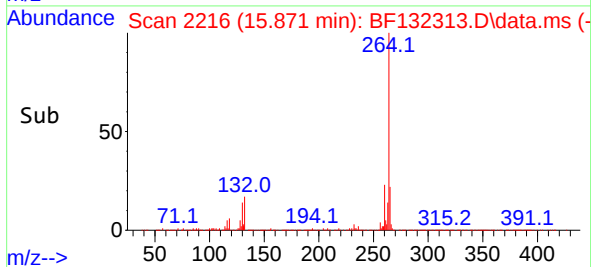
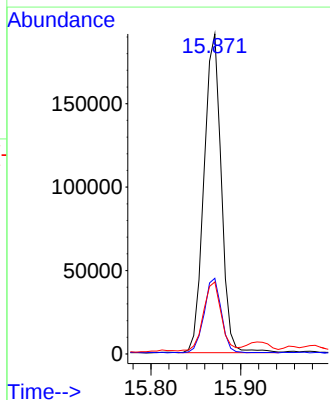
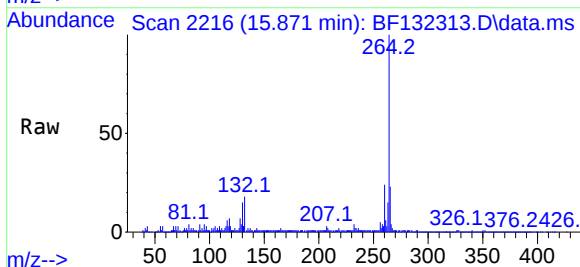
APPROVED

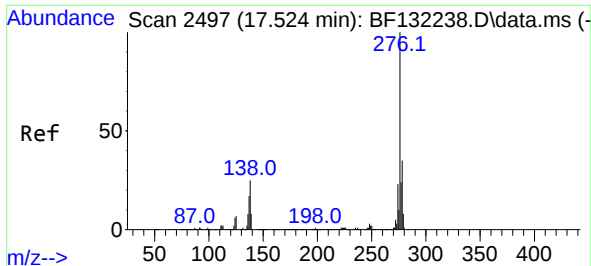
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#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# 2497
Delta R.T. -0.012 min
Lab File: BF132313.D
Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

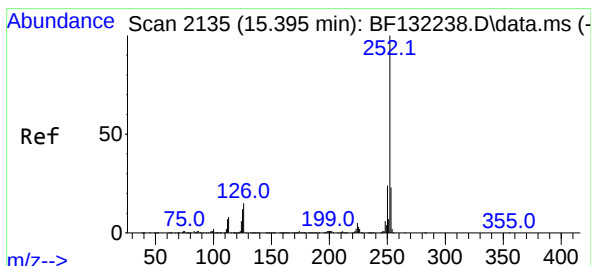
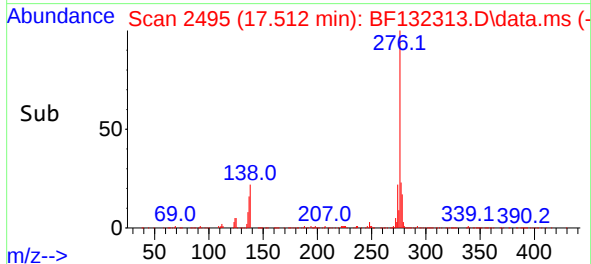
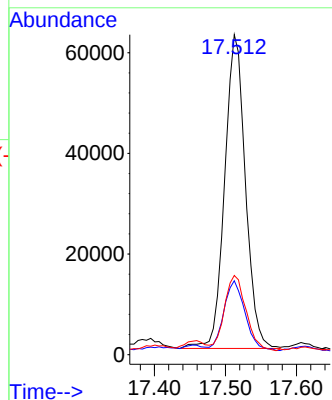
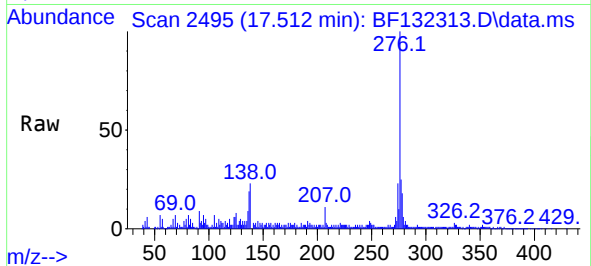
STOCKPILE-2

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

Manual Integrations

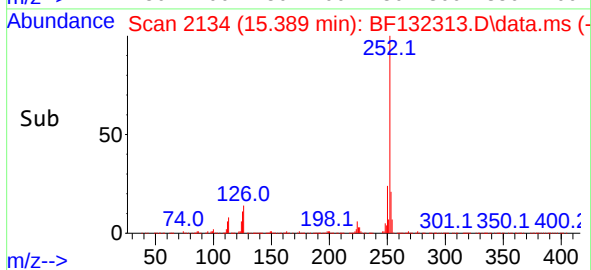
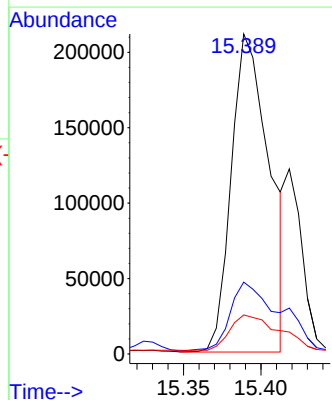
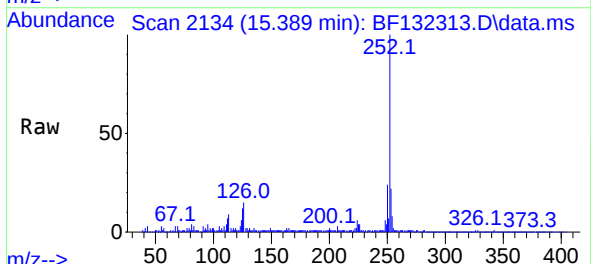
APPROVED

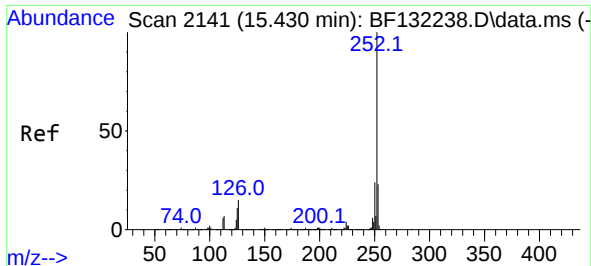
Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#88
Benzo(b)fluoranthene
Concen: 22.073 ng m
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: 359146
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: 5.885 ng m

RT: 15.418 min Scan# 2140

Delta R.T. -0.012 min

Lab File: BF132313.D

Acq: 03 Feb 2023 02:35

Instrument :

BNA_F

ClientSampleId :

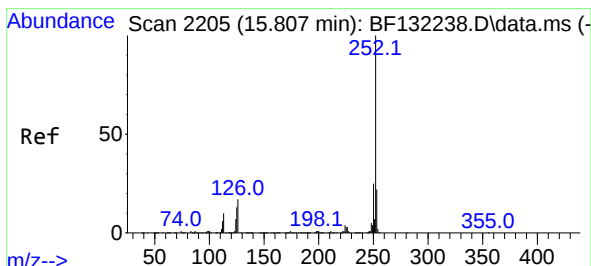
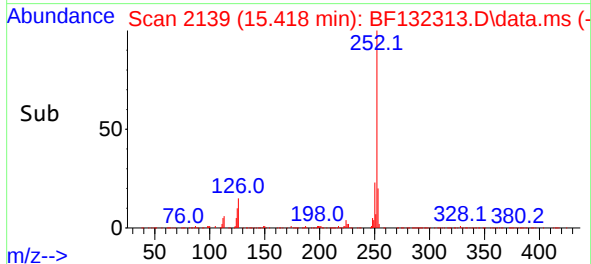
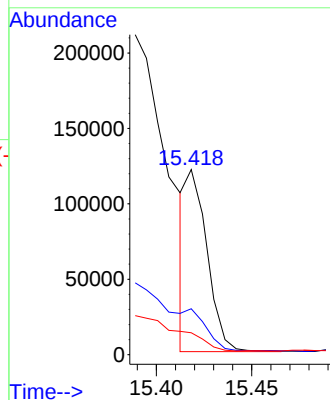
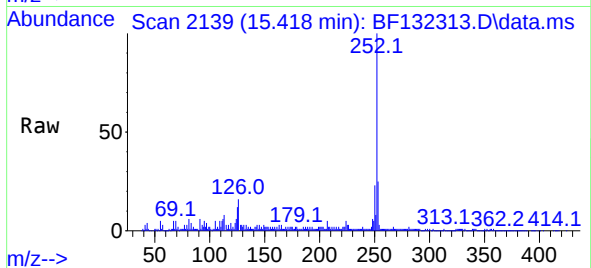
STOCKPILE-2

Tgt Ion:252	Resp:	9140
Ion Ratio	Lower	Upper
252	100	
253	24.8	18.2 27.2
125	11.8	9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#90

Benzo(a)pyrene

Concen: 16.927 ng

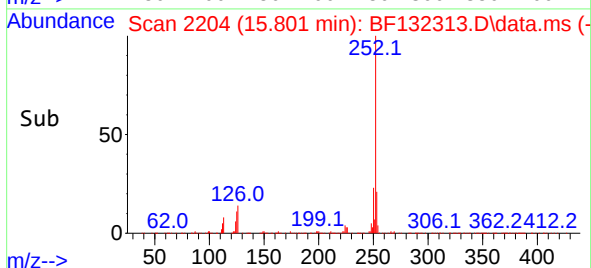
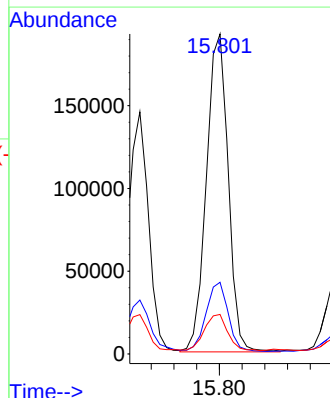
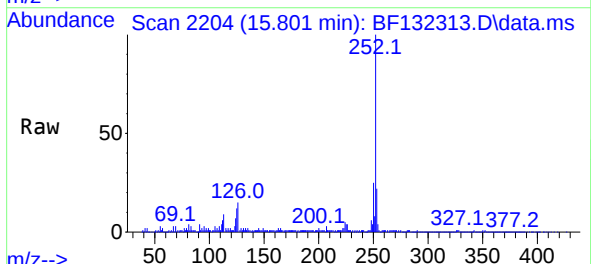
RT: 15.801 min Scan# 2204

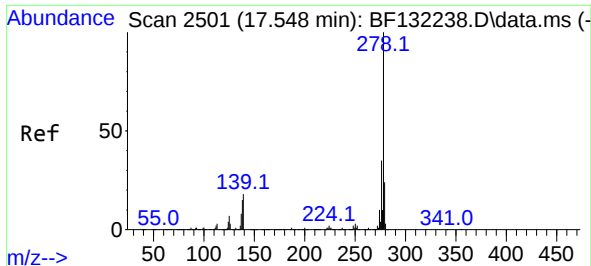
Delta R.T. -0.006 min

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 :

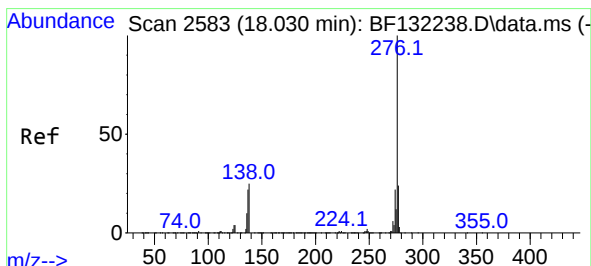
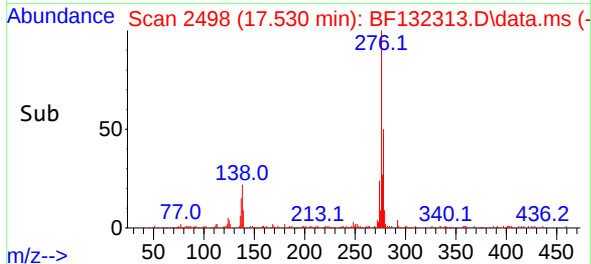
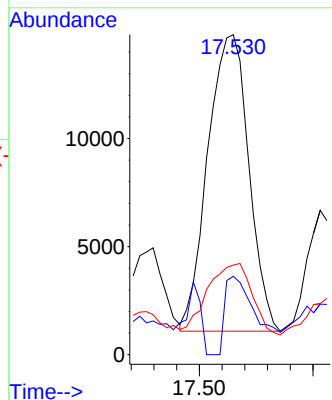
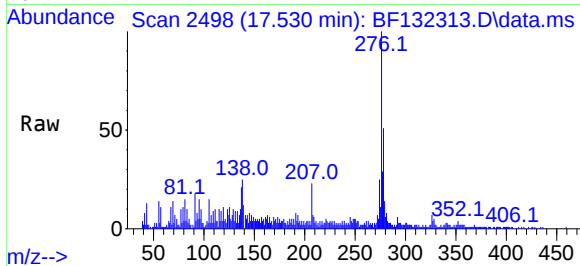
STOCKPILE-2

Tgt Ion:278 Resp: 3430
Ion Ratio Lower Upper
278 100
139 24.5 14.2 21.2
279 28.0 19.6 29.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/06/2023
Supervised By :Jagrut Upadhyay 02/06/2023



#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

