

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130857.D
 Acq On : 29 Oct 2022 15:13
 Operator : CG\JU
 Sample : N5267-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4-1024

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Oct 30 23:24:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	76600	20.000	ng	0.00
21) Naphthalene-d8	8.234	136	248590	20.000	ng	# 0.00
39) Acenaphthene-d10	9.998	164	113473	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	178862	20.000	ng	0.00
76) Chrysene-d12	14.127	240	153182	20.000	ng	0.00
86) Perylene-d12	15.645	264	120485	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	515168	116.593	ng	0.00
7) Phenol-d6	6.557	99	651817	113.520	ng	0.00
23) Nitrobenzene-d5	7.504	82	413408	100.278	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	118096	123.633	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	609036	81.146	ng	0.00
79) Terphenyl-d14	13.069	244	521719	62.411	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.951	142	23151	2.838	ng	81
38) 1-Methylnaphthalene	9.051	142	66672	8.398	ng	95
52) Acenaphthene	10.034	154	24750	3.907	ng	# 54
58) Fluorene	10.545	166	45771	6.331	ng	# 82
71) Phenanthrene	11.510	178	190571	20.643	ng	96
72) Anthracene	11.563	178	36527m	4.012	ng	
73) Carbazole	11.710	167	22669	2.780	ng	# 68
75) Fluoranthene	12.704	202	233126	23.768	ng	98
78) Pyrene	12.927	202	213927	16.553	ng	99
81) Benzo(a)anthracene	14.116	228	95519	9.405	ng	91
83) Chrysene	14.151	228	101005m	10.311	ng	
87) Indeno(1,2,3-cd)pyrene	17.186	276	46068	5.758	ng	95
88) Benzo(b)fluoranthene	15.192	252	110294m	14.161	ng	
89) Benzo(k)fluoranthene	15.221	252	40999m	5.402	ng	
90) Benzo(a)pyrene	15.574	252	71122	11.359	ng	95
92) Benzo(g,h,i)perylene	17.651	276	47715	7.171	ng	98

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

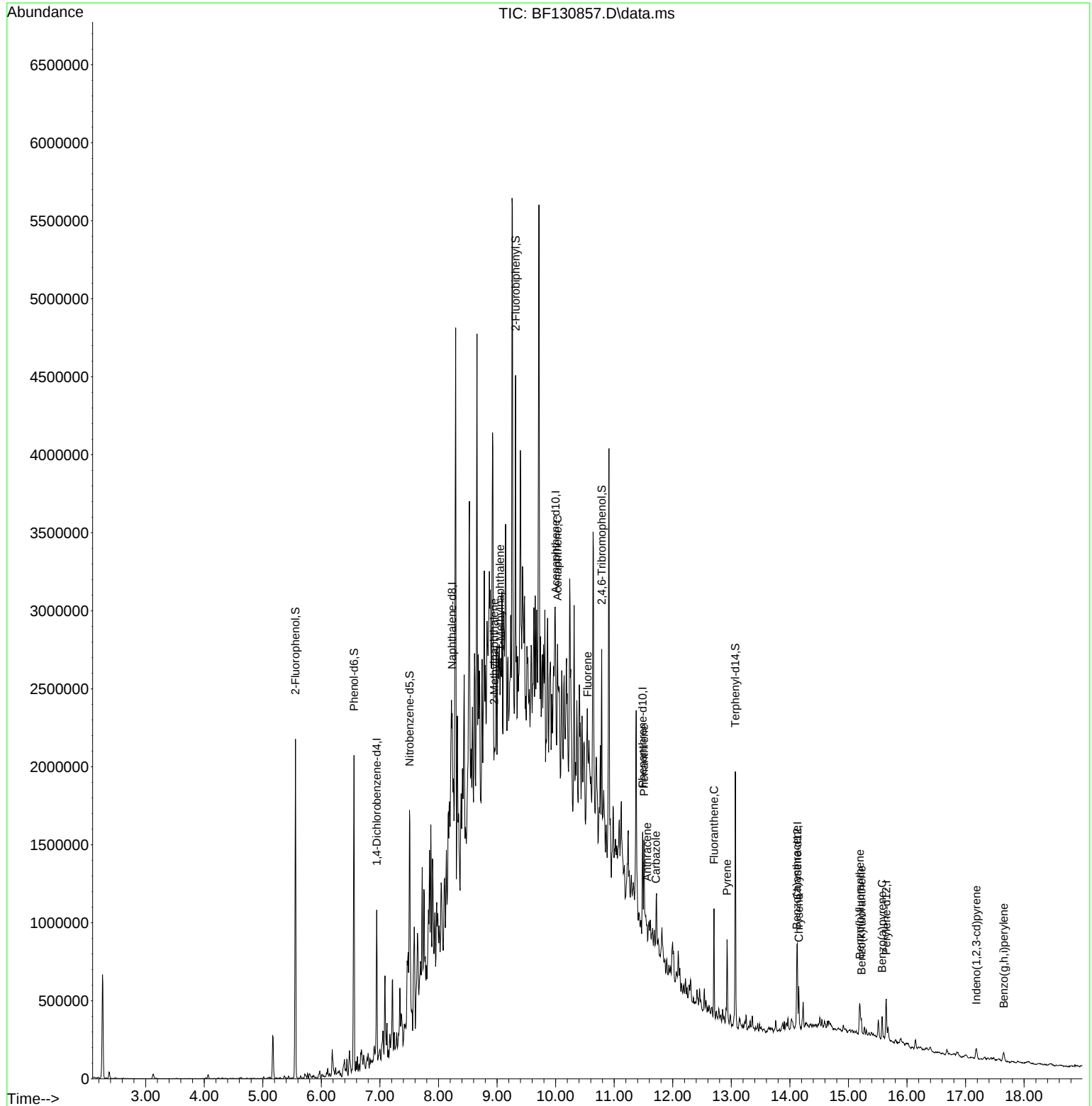
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130857.D
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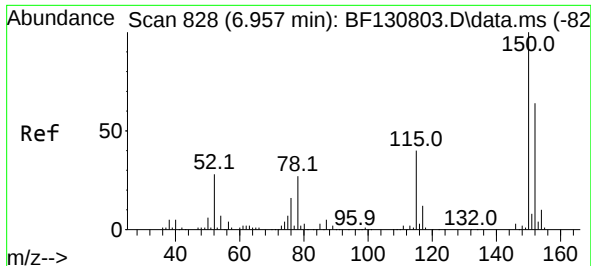
Instrument :
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Quant Time: Oct 30 23:24:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
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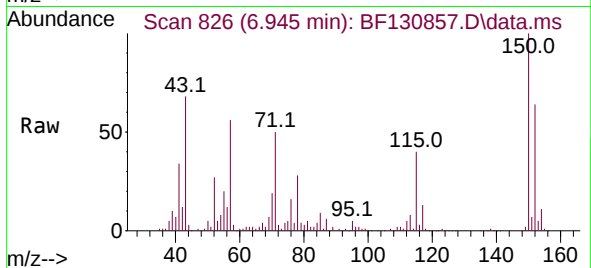
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

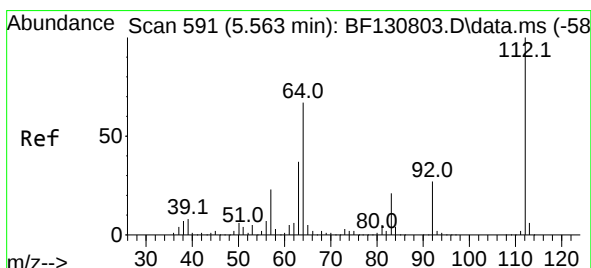
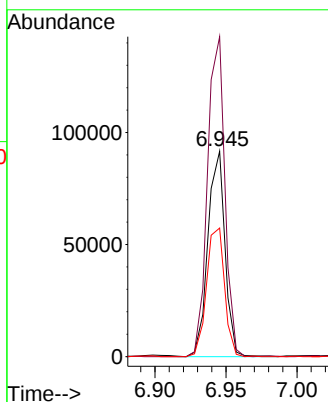
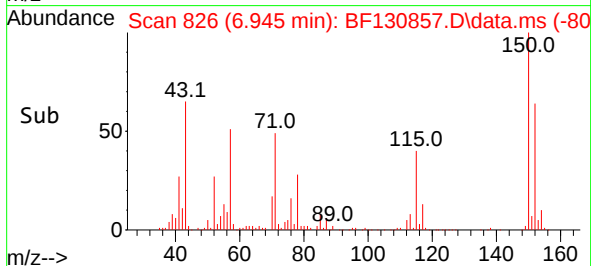
Instrument :
BNA_F
ClientSampleId :
TP4-1024



Tgt Ion:152 Resp: 76600
Ion Ratio Lower Upper
152 100
150 155.8 124.1 186.1
115 62.6 50.1 75.1

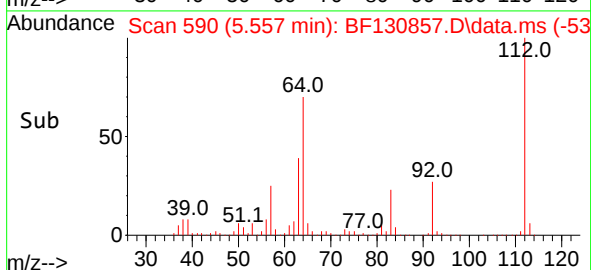
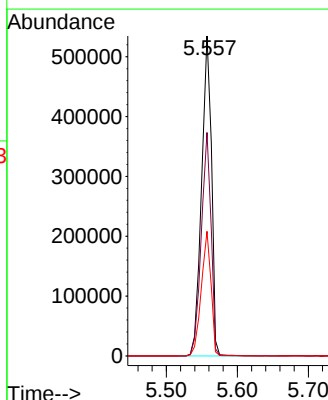
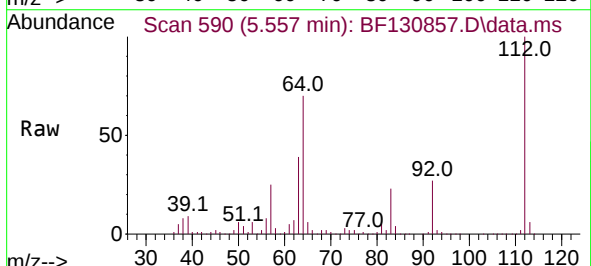
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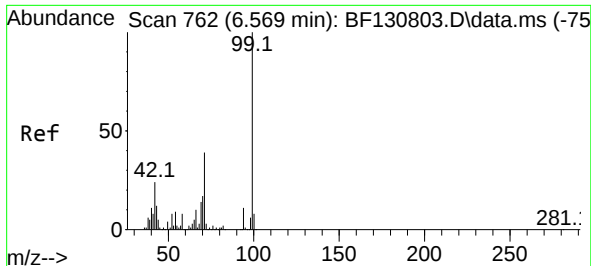
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#5
2-Fluorophenol
Concen: 116.593 ng
RT: 5.557 min Scan# 590
Delta R.T. 0.000 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

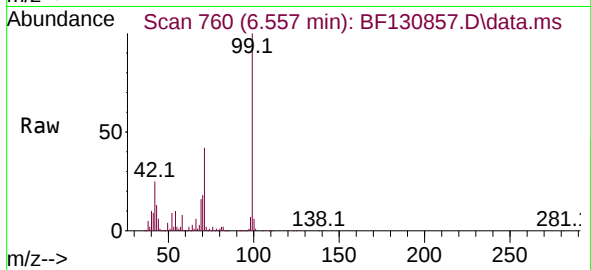
Tgt Ion:112 Resp: 515168
Ion Ratio Lower Upper
112 100
64 69.8 53.9 80.9
63 38.9 29.4 44.2





#7
Phenol-d6
Concen: 113.520 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

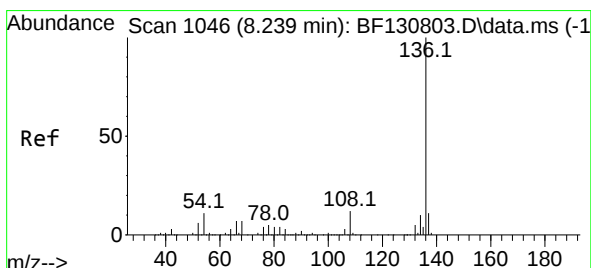
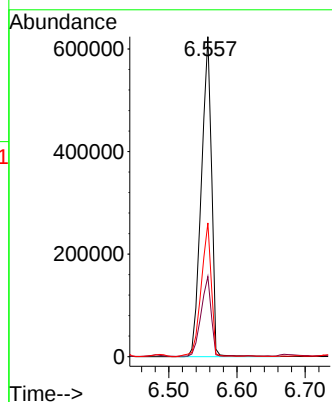
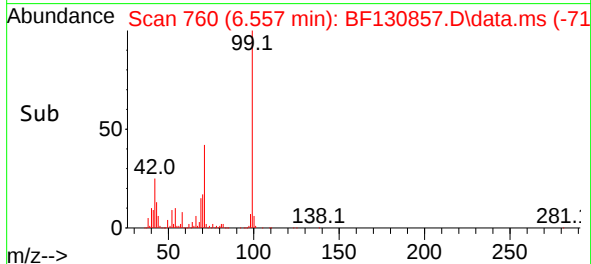
Instrument :
BNA_F
ClientSampleId :
TP4-1024



Tgt Ion: 99 Resp: 651817
Ion Ratio Lower Upper
99 100
42 25.0 18.8 28.2
71 41.8 31.4 47.0

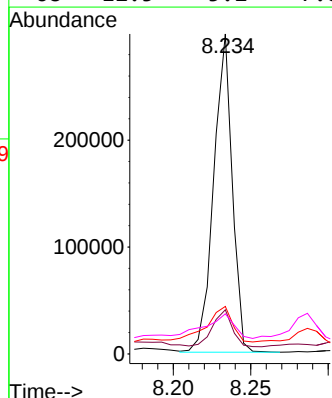
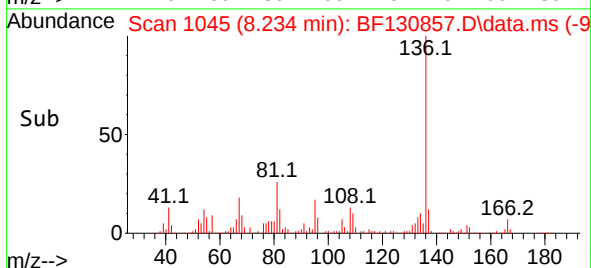
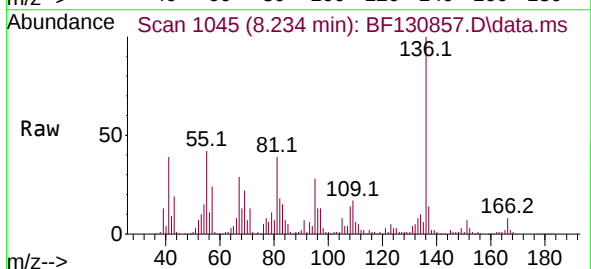
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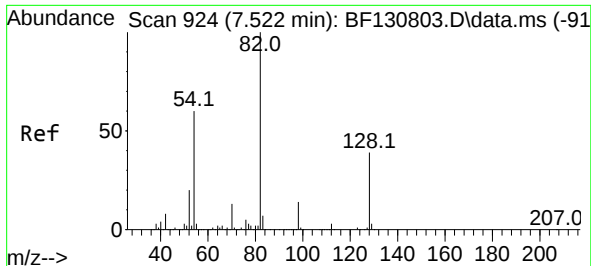
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

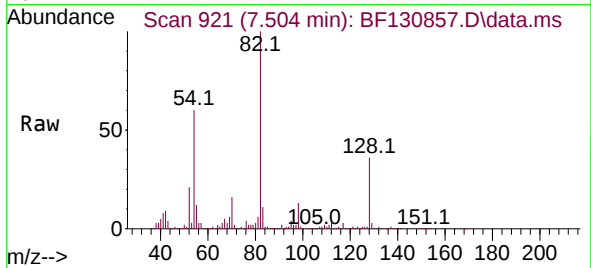
Tgt Ion:136 Resp: 248590
Ion Ratio Lower Upper
136 100
137 13.8 9.2 13.8
54 14.8 8.8 13.2#
68 12.5 5.2 7.8#





#23
Nitrobenzene-d5
Concen: 100.278 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

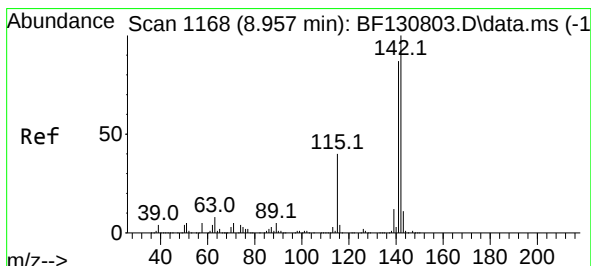
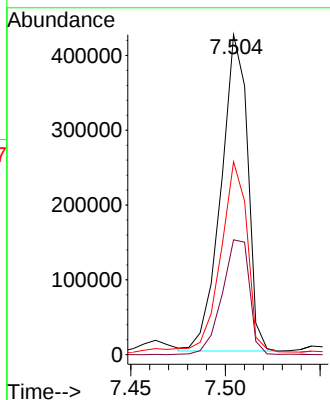
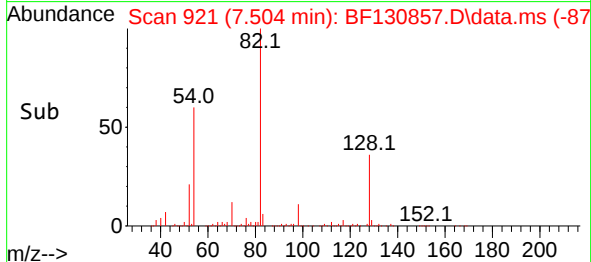
Instrument :
BNA_F
ClientSampleId :
TP4-1024



Tgt Ion: 82 Resp: 413408
Ion Ratio Lower Upper
82 100
128 35.9 31.2 46.8
54 60.3 48.0 72.0

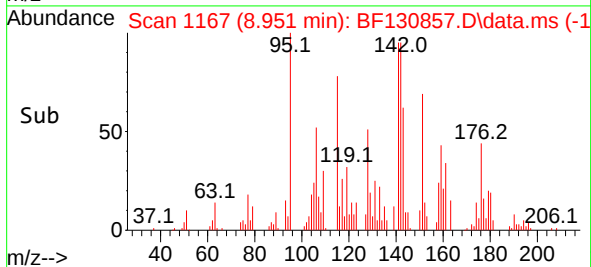
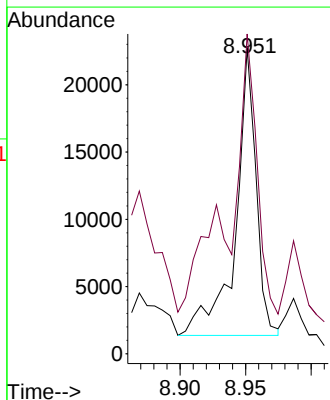
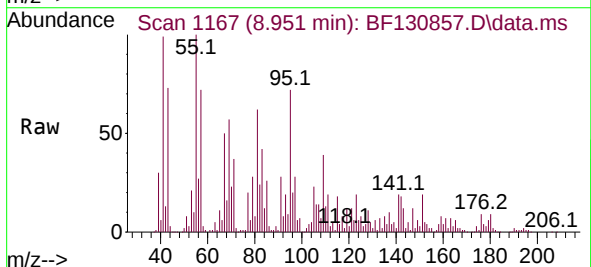
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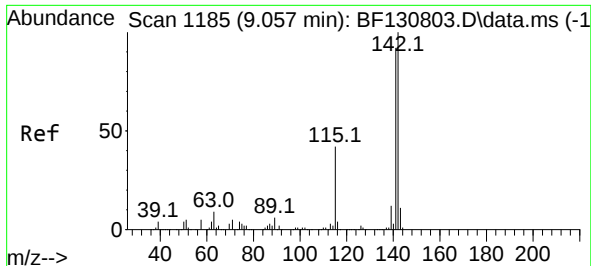
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#37
2-Methylnaphthalene
Concen: 2.838 ng
RT: 8.951 min Scan# 1167
Delta R.T. 0.006 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

Tgt Ion:142 Resp: 23151
Ion Ratio Lower Upper
142 100
141 104.7 69.9 104.9





#38

1-Methylnaphthalene

Concen: 8.398 ng

RT: 9.051 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF130857.D

Acq: 29 Oct 2022 15:13

Instrument :

BNA_F

ClientSampleId :

TP4-1024

Tgt Ion:142 Resp: 66672

Ion Ratio Lower Upper

142 100

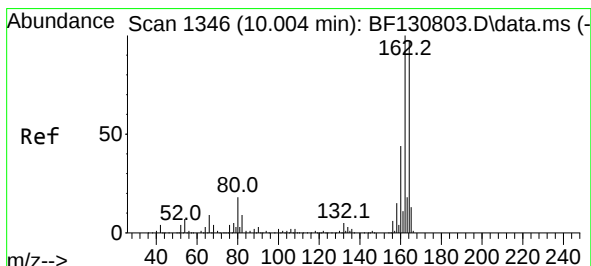
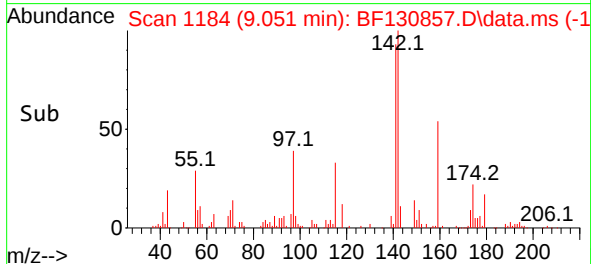
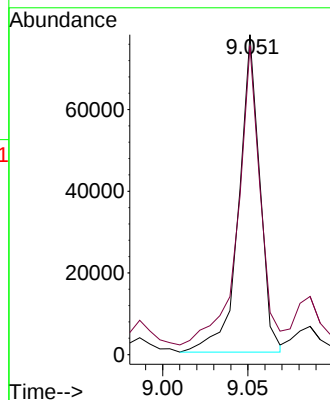
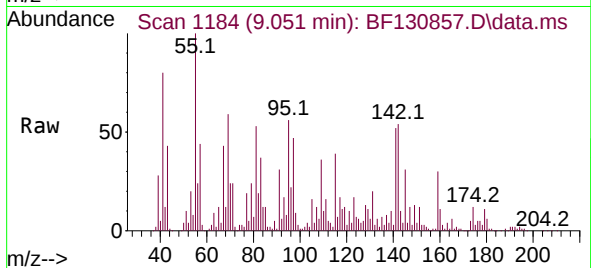
141 96.5 73.5 110.3

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1345

Delta R.T. 0.000 min

Lab File: BF130857.D

Acq: 29 Oct 2022 15:13

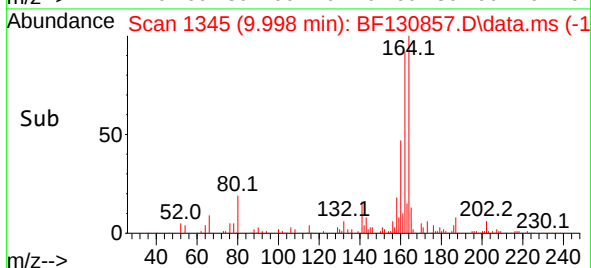
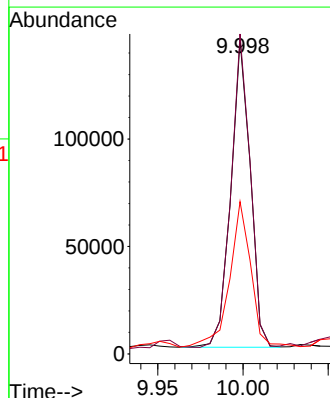
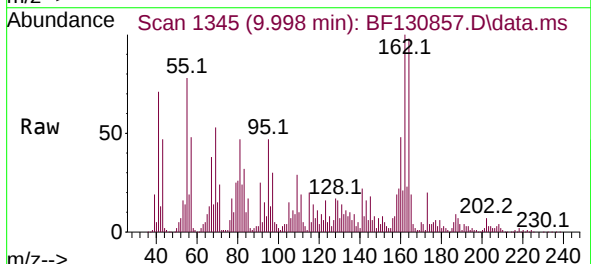
Tgt Ion:164 Resp: 113473

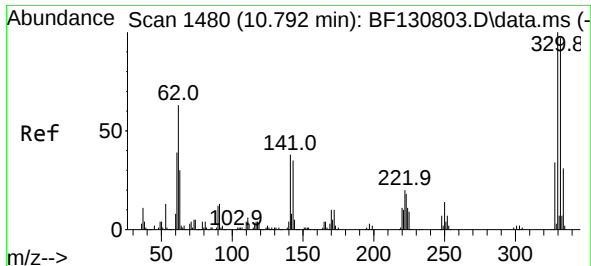
Ion Ratio Lower Upper

164 100

162 102.0 82.2 123.2

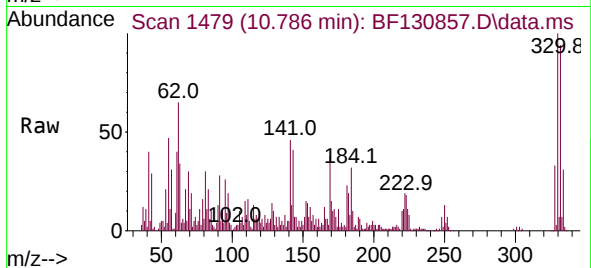
160 48.5 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 123.633 ng
RT: 10.786 min Scan# 1480
Delta R.T. 0.000 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

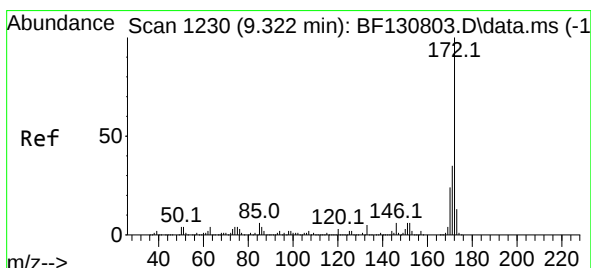
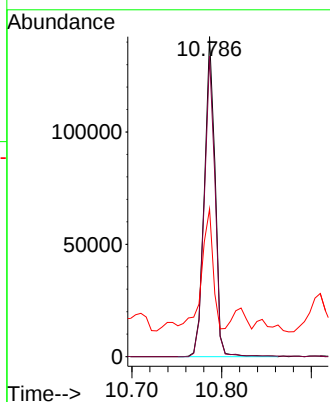
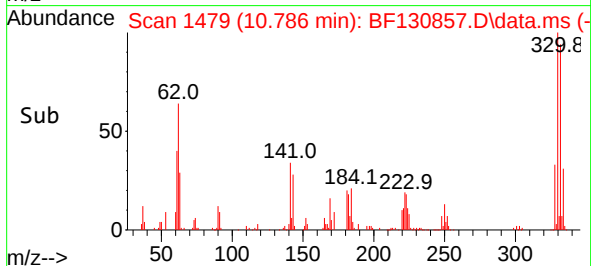
Instrument :
BNA_F
Client SampleId :
TP4-1024



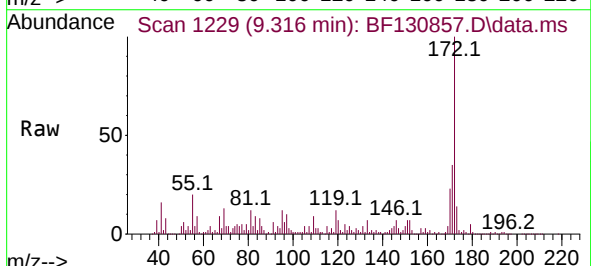
Tgt Ion: 330 Resp: 118096
Ion Ratio Lower Upper
330 100
332 94.4 76.2 114.4
141 38.8 31.4 47.0

Manual Integrations
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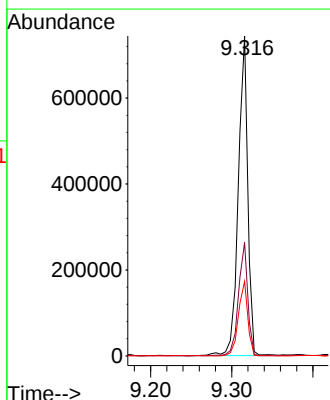
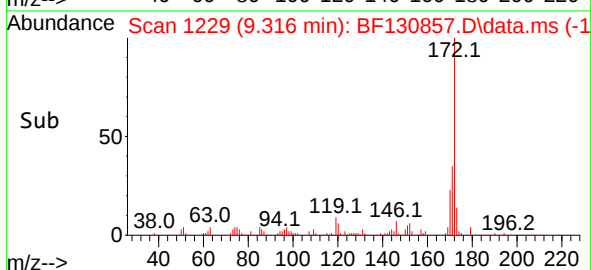
Reviewed By : Christian Giraldo 10/31/2022
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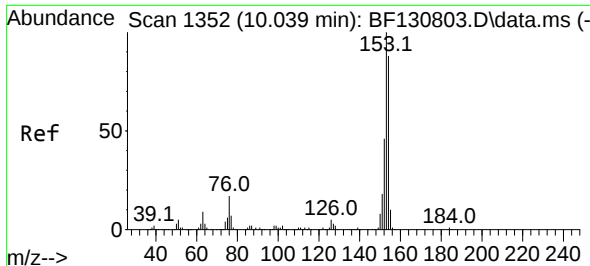


#45
2-Fluorobiphenyl
Concen: 81.146 ng
RT: 9.316 min Scan# 1229
Delta R.T. 0.006 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13



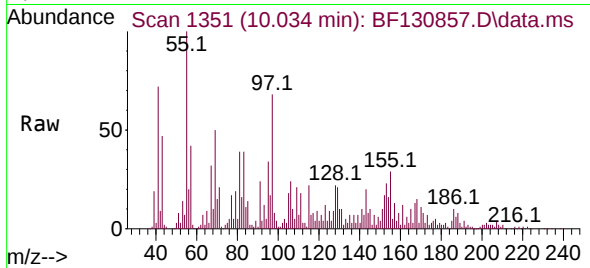
Tgt Ion: 172 Resp: 609036
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.3 19.0 28.4





#52
Acenaphthene
Concen: 3.907 ng
RT: 10.034 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

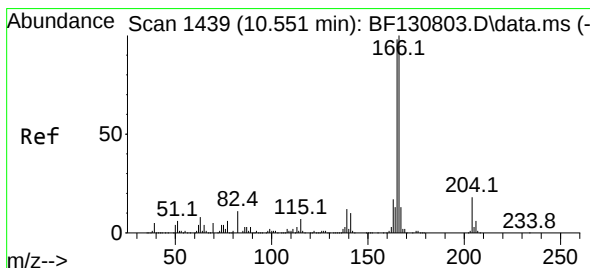
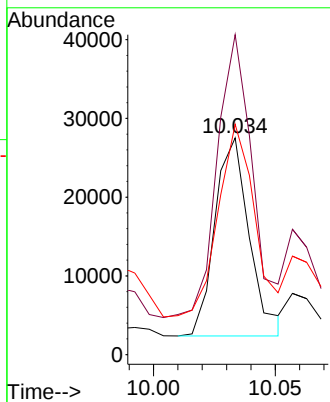
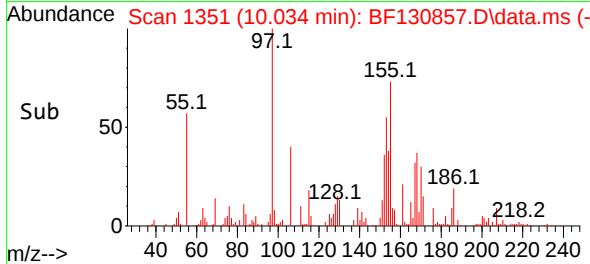
Instrument :
BNA_F
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TP4-1024



Tgt Ion:154 Resp: 24750
Ion Ratio Lower Upper
154 100
153 147.7 90.5 135.7
152 106.2 42.0 63.0

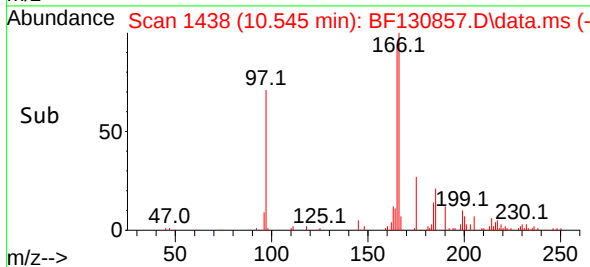
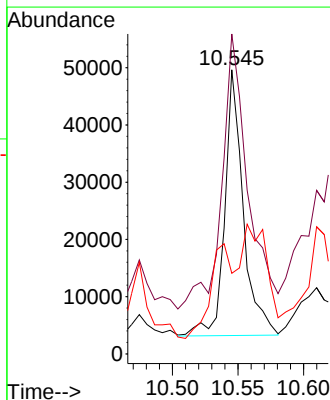
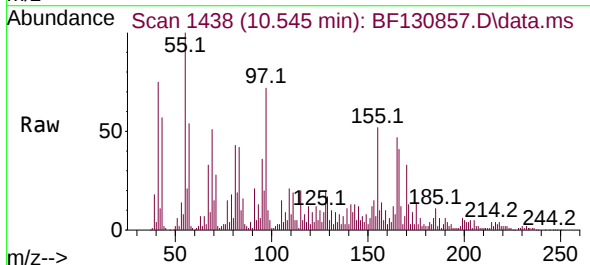
Manual Integrations
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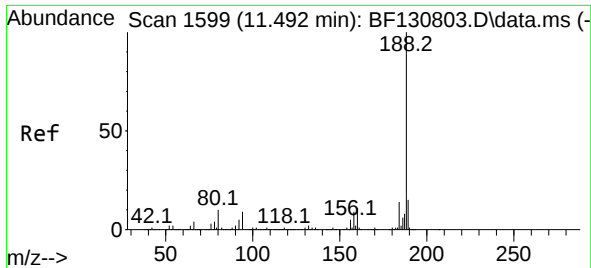
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#58
Fluorene
Concen: 6.331 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.000 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

Tgt Ion:166 Resp: 45771
Ion Ratio Lower Upper
166 100
165 112.6 78.1 117.1
167 28.4 10.4 15.6





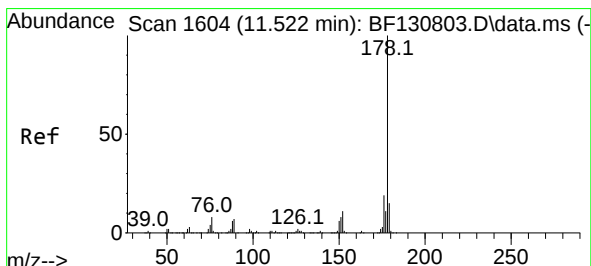
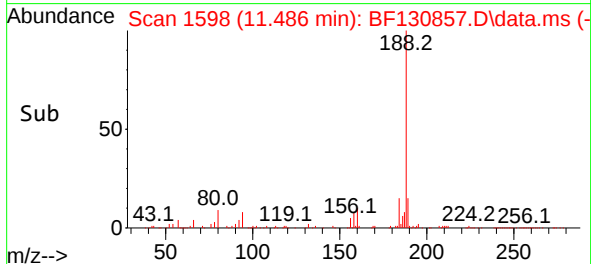
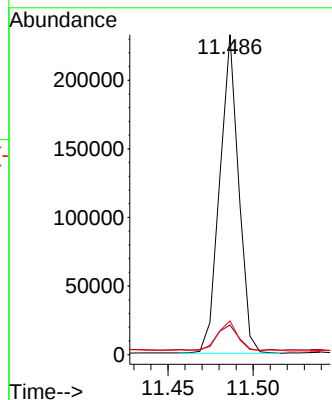
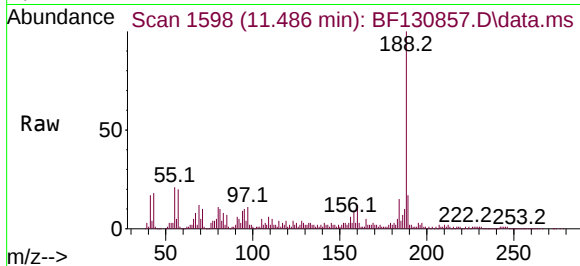
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11486
Delta R.T. 0.000 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

Instrument :
BNA_F
ClientSampleId :
TP4-1024

Tgt Ion:188 Resp: 178862
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 10.5 8.0 12.0

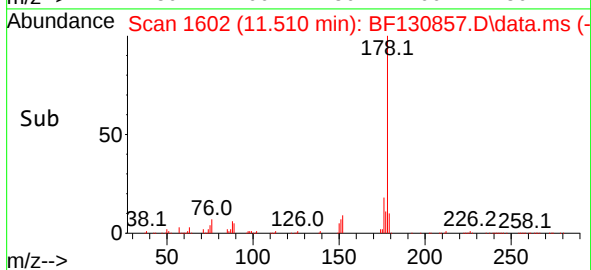
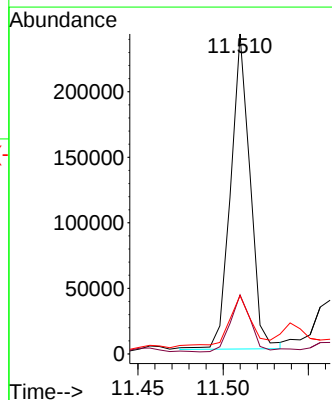
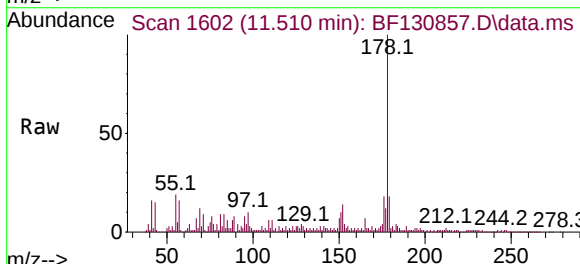
Manual Integrations
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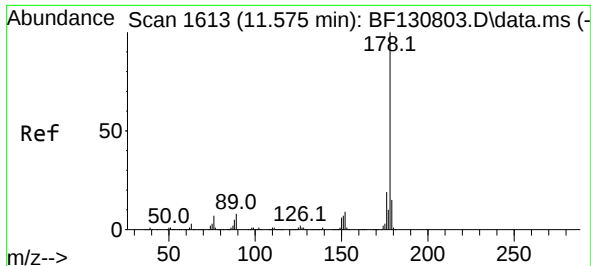
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 20.643 ng
RT: 11.510 min Scan# 1602
Delta R.T. 0.000 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

Tgt Ion:178 Resp: 190571
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 18.2 12.2 18.2





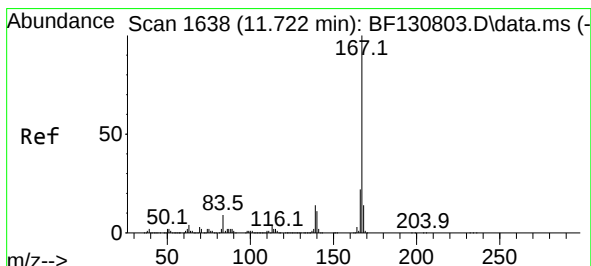
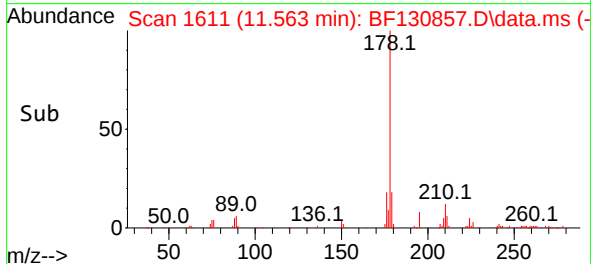
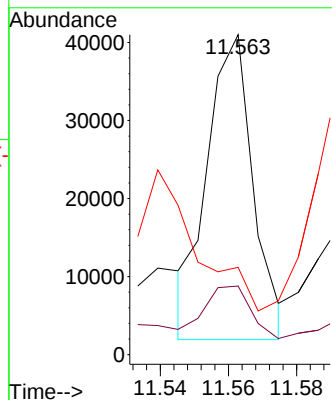
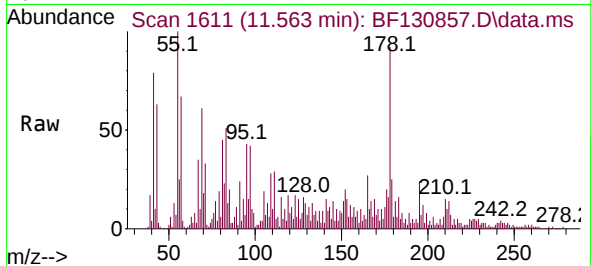
#72
 Anthracene
 Concen: 4.012 ng m
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF130857.D
 Acq: 29 Oct 2022 15:13

Instrument :
 BNA_F
 ClientSampleId :
 TP4-1024

Tgt Ion:178 Resp: 3652
 Ion Ratio Lower Upper
 178 100
 176 21.4 15.4 23.0
 179 27.3 12.2 18.4

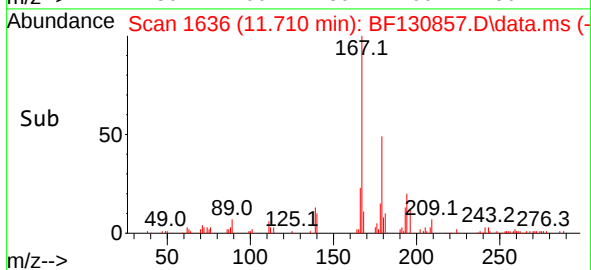
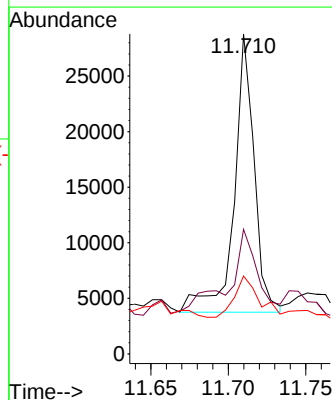
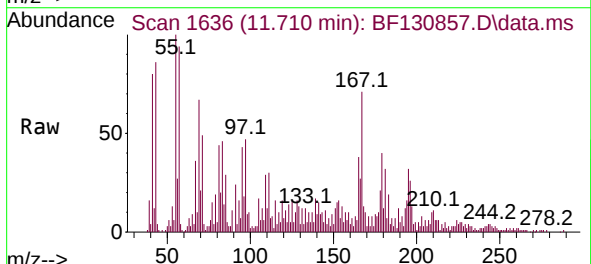
Manual Integrations
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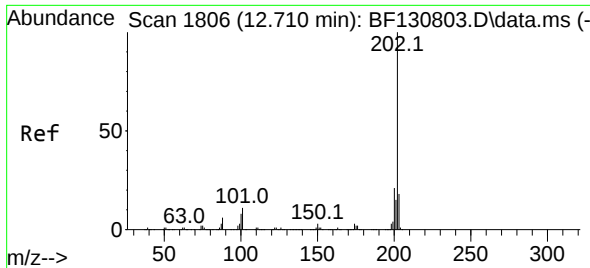
Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022



#73
 Carbazole
 Concen: 2.780 ng
 RT: 11.710 min Scan# 1636
 Delta R.T. -0.006 min
 Lab File: BF130857.D
 Acq: 29 Oct 2022 15:13

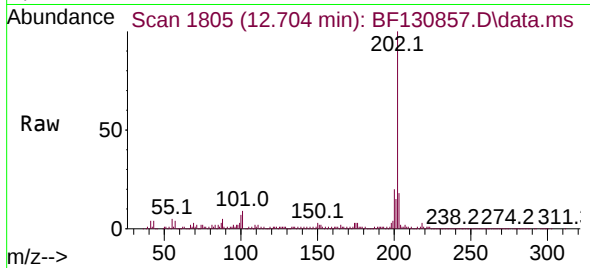
Tgt Ion:167 Resp: 22669
 Ion Ratio Lower Upper
 167 100
 166 38.9 17.4 26.0#
 139 24.3 11.3 16.9#





#75
Fluoranthene
Concen: 23.768 ng
RT: 12.704 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

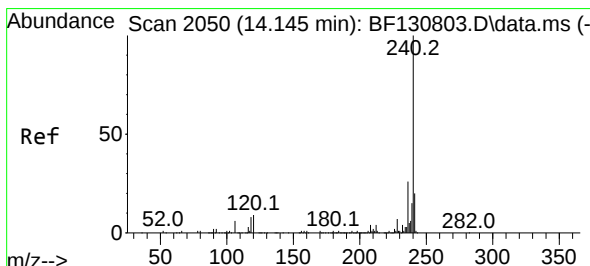
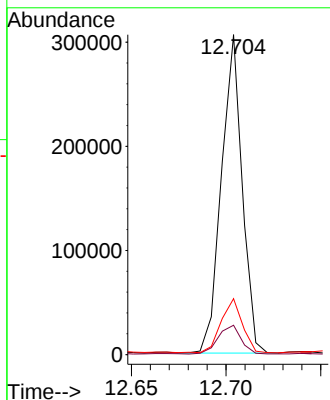
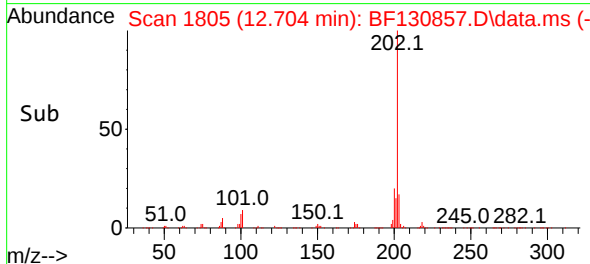
Instrument :
BNA_F
ClientSampleId :
TP4-1024



Tgt Ion:202 Resp: 233126
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.9
203 17.5 0.0 37.7

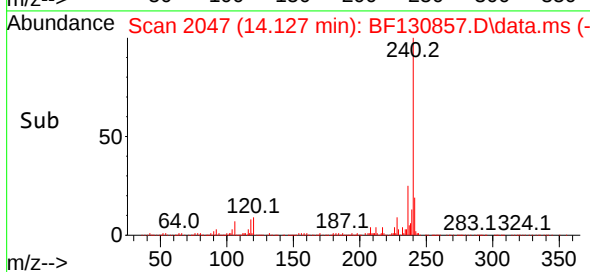
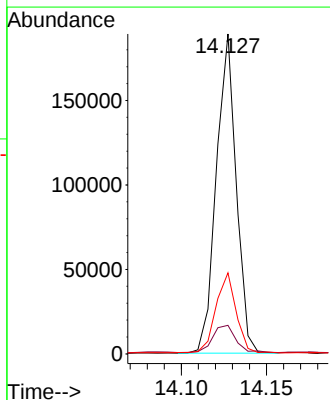
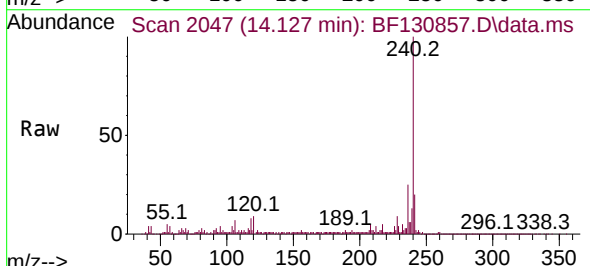
Manual Integrations
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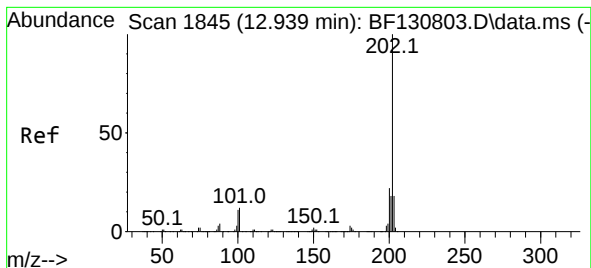
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

Tgt Ion:240 Resp: 153182
Ion Ratio Lower Upper
240 100
120 8.9 7.0 10.4
236 25.3 20.5 30.7





#78

Pyrene

Concen: 16.553 ng

RT: 12.927 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF130857.D

Acq: 29 Oct 2022 15:13

Instrument :

BNA_F

ClientSampleId :

TP4-1024

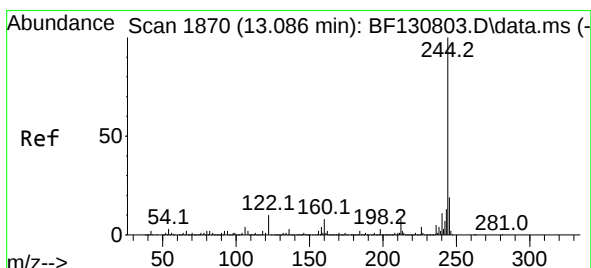
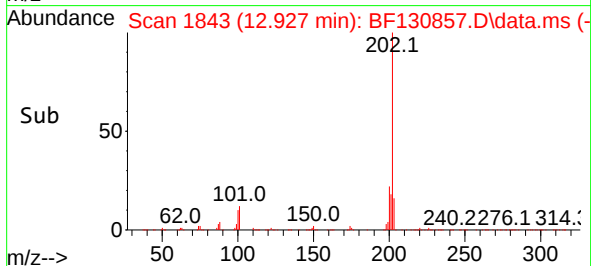
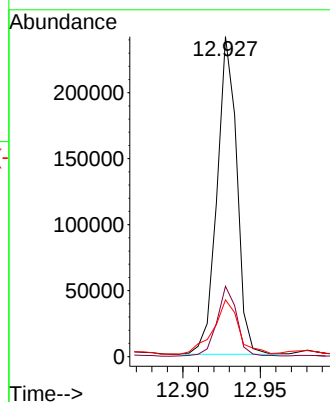
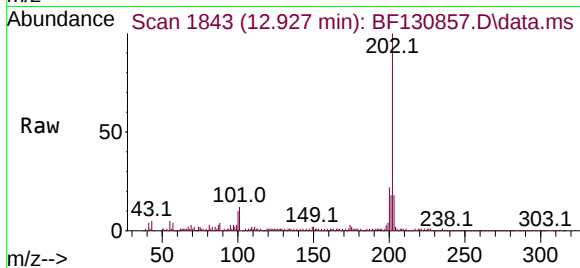
Tgt Ion:	202	Resp:	21392
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.2	25.8
203	17.7	14.5	21.7

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#79

Terphenyl-d14

Concen: 62.411 ng

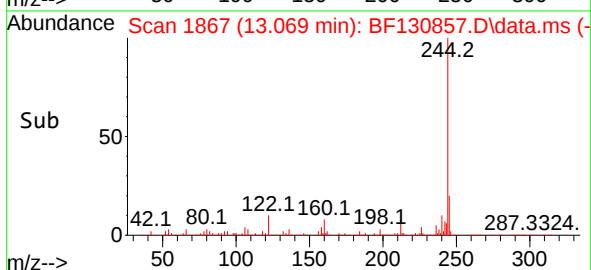
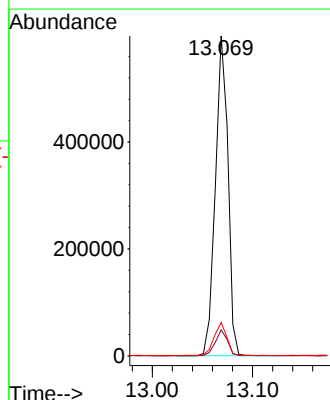
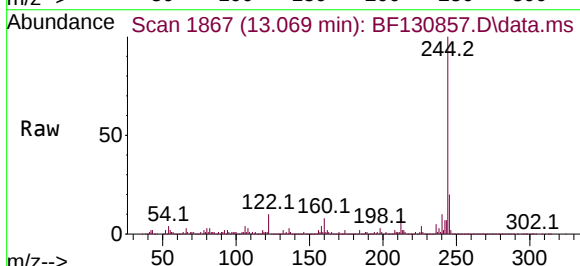
RT: 13.069 min Scan# 1867

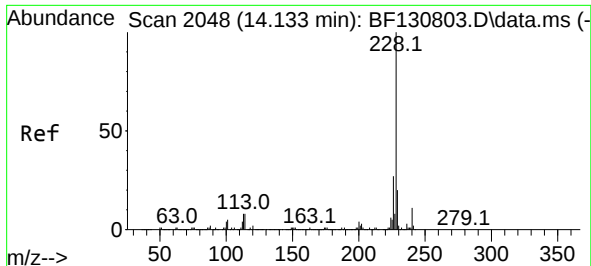
Delta R.T. -0.006 min

Lab File: BF130857.D

Acq: 29 Oct 2022 15:13

Tgt Ion:	244	Resp:	521719
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.2	9.2
122	10.4	7.9	11.9





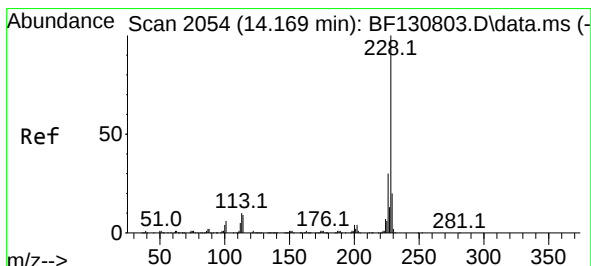
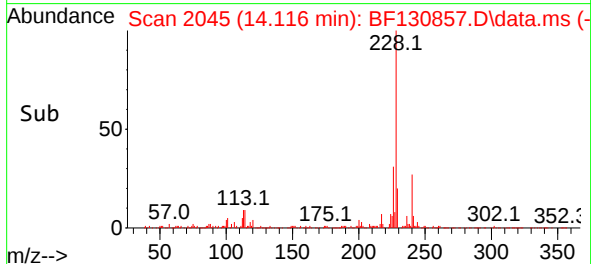
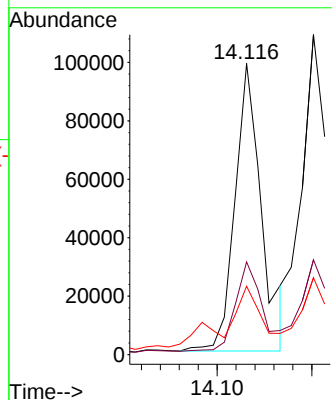
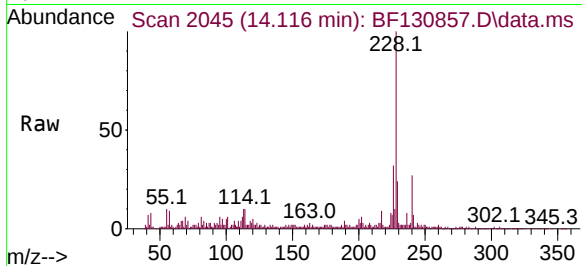
#81
Benzo(a)anthracene
Concen: 9.405 ng
RT: 14.116 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

Instrument :
BNA_F
ClientSampleId :
TP4-1024

Tgt Ion:228 Resp: 95519
Ion Ratio Lower Upper
228 100
226 31.9 21.4 32.2
229 23.5 15.8 23.6

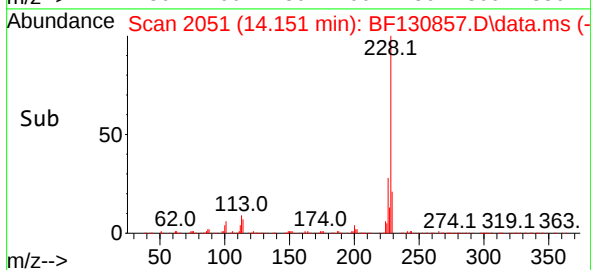
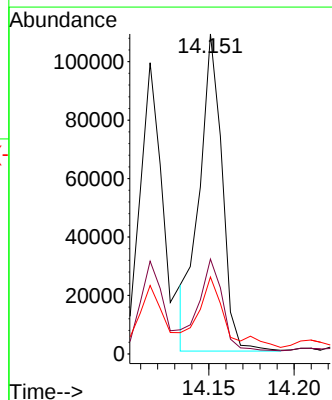
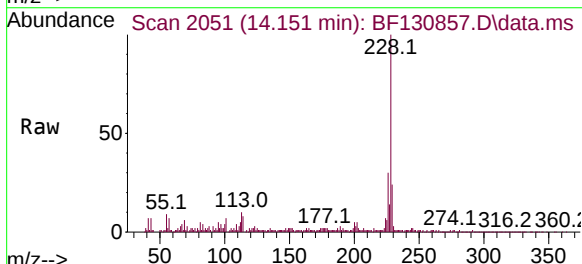
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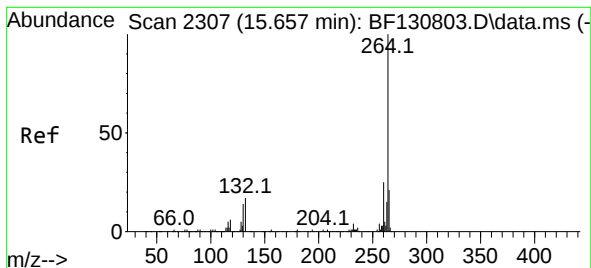
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#83
Chrysene
Concen: 10.311 ng m
RT: 14.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

Tgt Ion:228 Resp: 101005
Ion Ratio Lower Upper
228 100
226 29.6 23.9 35.9
229 24.0 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 2307

Delta R.T. 0.000 min

Lab File: BF130857.D

Acq: 29 Oct 2022 15:13

Instrument :

BNA_F

ClientSampleId :

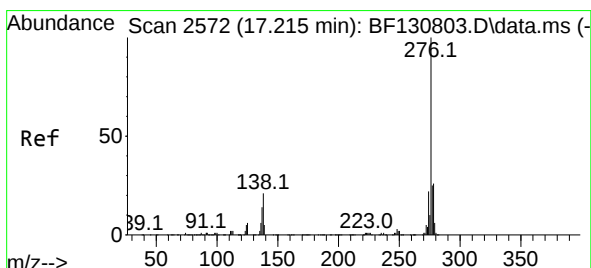
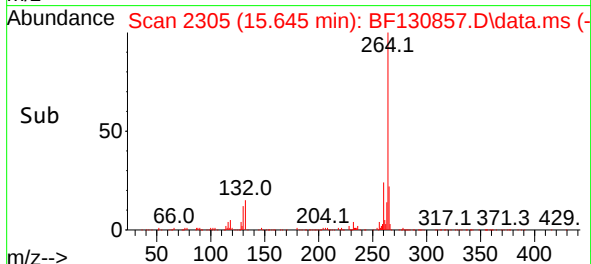
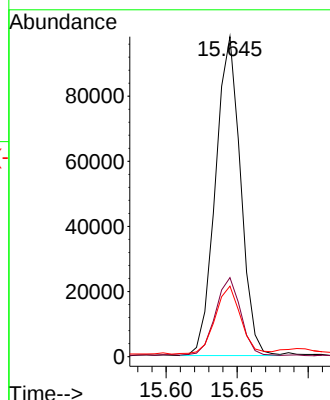
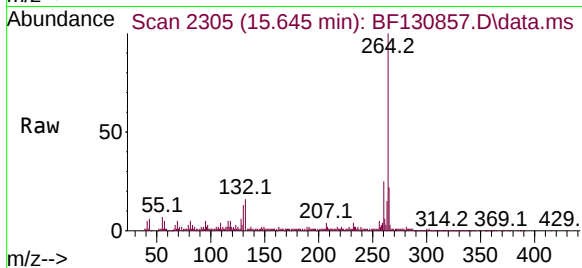
TP4-1024

Tgt Ion:	264	Resp:	120485
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.9	29.9
265	22.0	17.0	25.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/01/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.758 ng

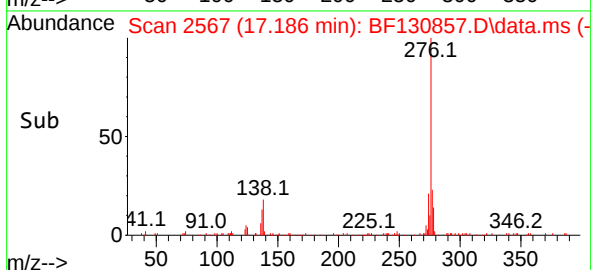
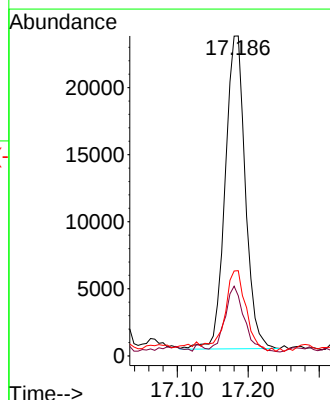
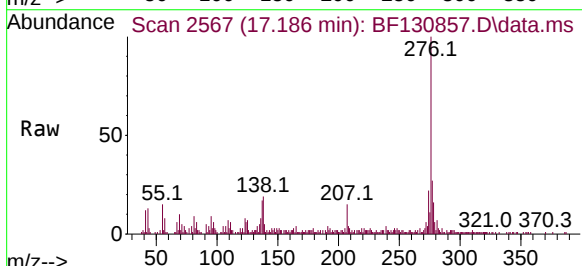
RT: 17.186 min Scan# 2567

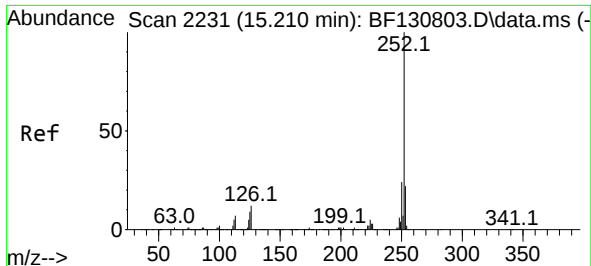
Delta R.T. -0.006 min

Lab File: BF130857.D

Acq: 29 Oct 2022 15:13

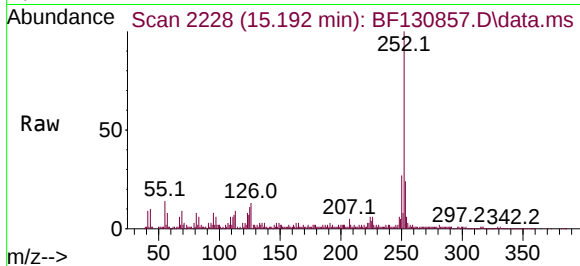
Tgt Ion:	276	Resp:	46068
Ion Ratio	Lower	Upper	
276	100		
138	20.3	19.1	28.7
277	26.3	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 14.161 ng m
RT: 15.192 min Scan# 2228
Delta R.T. -0.006 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

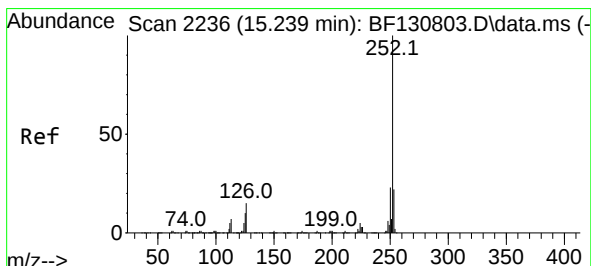
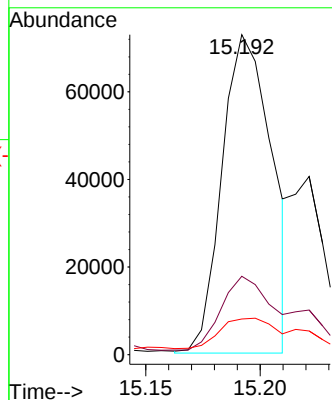
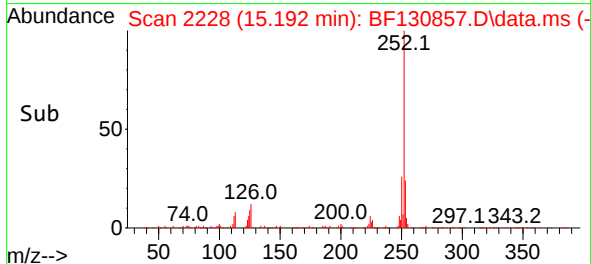
Instrument :
BNA_F
ClientSampleId :
TP4-1024



Tgt Ion:252 Resp: 110294
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 11.1 7.0 10.4

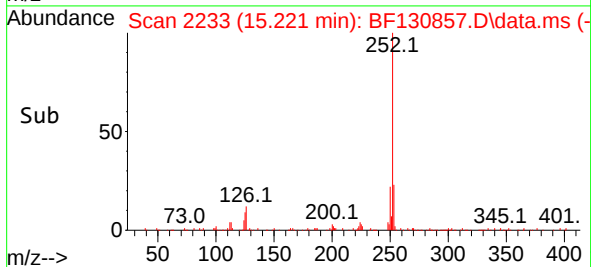
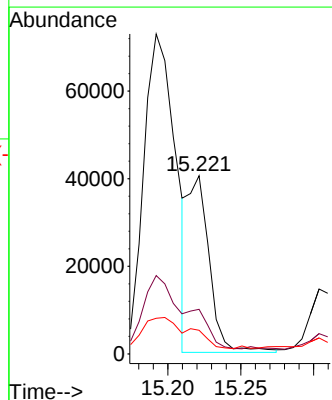
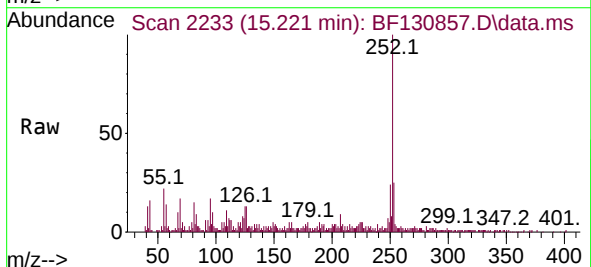
Manual Integrations
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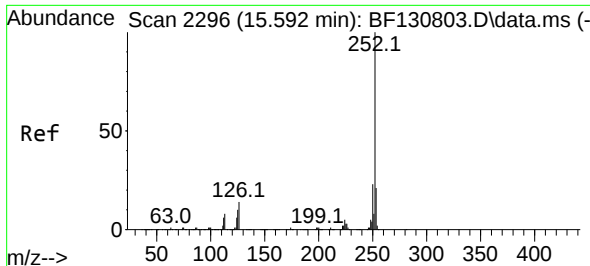
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#89
Benzo(k)fluoranthene
Concen: 5.402 ng m
RT: 15.221 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

Tgt Ion:252 Resp: 40999
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 13.2 8.0 12.0





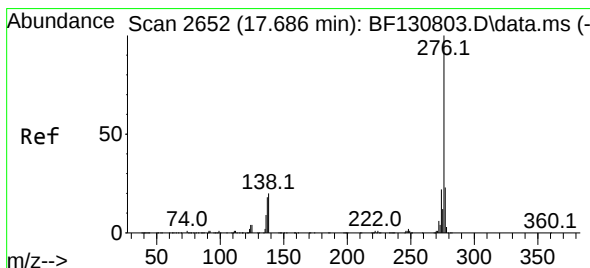
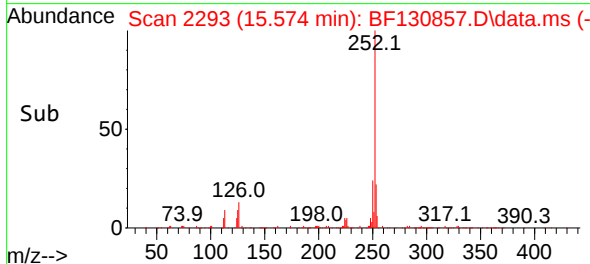
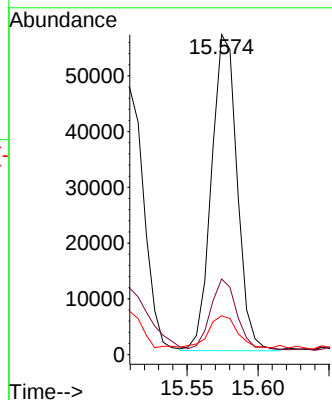
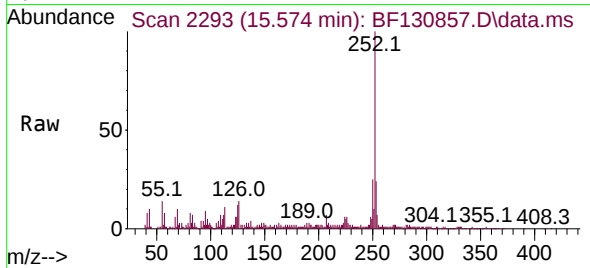
#90
Benzo(a)pyrene
Concen: 11.359 ng
RT: 15.574 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

Instrument :
BNA_F
ClientSampleId :
TP4-1024

Tgt Ion:252 Resp: 71122
Ion Ratio Lower Upper
252 100
253 23.6 16.8 25.2
125 12.1 8.3 12.5

Manual Integrations
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Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#92
Benzo(g,h,i)perylene
Concen: 7.171 ng
RT: 17.651 min Scan# 2646
Delta R.T. -0.018 min
Lab File: BF130857.D
Acq: 29 Oct 2022 15:13

Tgt Ion:276 Resp: 47715
Ion Ratio Lower Upper
276 100
277 22.1 18.8 28.2
138 21.3 16.3 24.5

