

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130865.D
 Acq On : 29 Oct 2022 19:19
 Operator : CG\JU
 Sample : N5267-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-1024

Manual Integrations
 APPROVED

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

Quant Time: Oct 30 23:26:32 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	72196	20.000	ng	0.00
21) Naphthalene-d8	8.233	136	238300	20.000	ng	0.00
39) Acenaphthene-d10	9.992	164	106702	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	191435	20.000	ng	0.00
76) Chrysene-d12	14.145	240	127696	20.000	ng	# 0.01
86) Perylene-d12	15.674	264	97849	20.000	ng	# 0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	356473	85.598	ng	0.00
7) Phenol-d6	6.557	99	430197	79.493	ng	0.00
23) Nitrobenzene-d5	7.504	82	253471	64.138	ng	-0.01
42) 2,4,6-Tribromophenol	10.780	330	82004	91.297	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	402049	56.967	ng	0.00
79) Terphenyl-d14	13.074	244	421847	60.536	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.251	128	25980	2.090	ng	# 90
37) 2-Methylnaphthalene	8.945	142	53428	6.832	ng	95
38) 1-Methylnaphthalene	9.045	142	42502	5.584	ng	97
52) Acenaphthene	10.027	154	59651	10.014	ng	92
55) Dibenzofuran	10.198	168	48048	5.565	ng	# 94
58) Fluorene	10.539	166	112324	16.522	ng	98
71) Phenanthrene	11.521	178	1463441	148.113	ng	99
72) Anthracene	11.569	178	466978	47.917	ng	99
73) Carbazole	11.716	167	109631	12.562	ng	98
75) Fluoranthene	12.721	202	2656280	253.026	ng	99
78) Pyrene	12.951	202	2150019	199.567	ng	100
81) Benzo(a)anthracene	14.139	228	993386	117.335	ng	97
83) Chrysene	14.174	228	860466	105.367	ng	97
84) Bis(2-ethylhexyl)phtha...	14.110	149	27754	5.955	ng	# 88
87) Indeno(1,2,3-cd)pyrene	17.233	276	192535	29.630	ng	# 94
88) Benzo(b)fluoranthene	15.221	252	711942m	112.555	ng	
89) Benzo(k)fluoranthene	15.251	252	257488m	41.776	ng	
90) Benzo(a)pyrene	15.609	252	428426	84.257	ng	# 92
91) Dibenzo(a,h)anthracene	17.245	278	56310	10.630	ng	# 78
92) Benzo(g,h,i)perylene	17.703	276	169446	31.355	ng	99

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

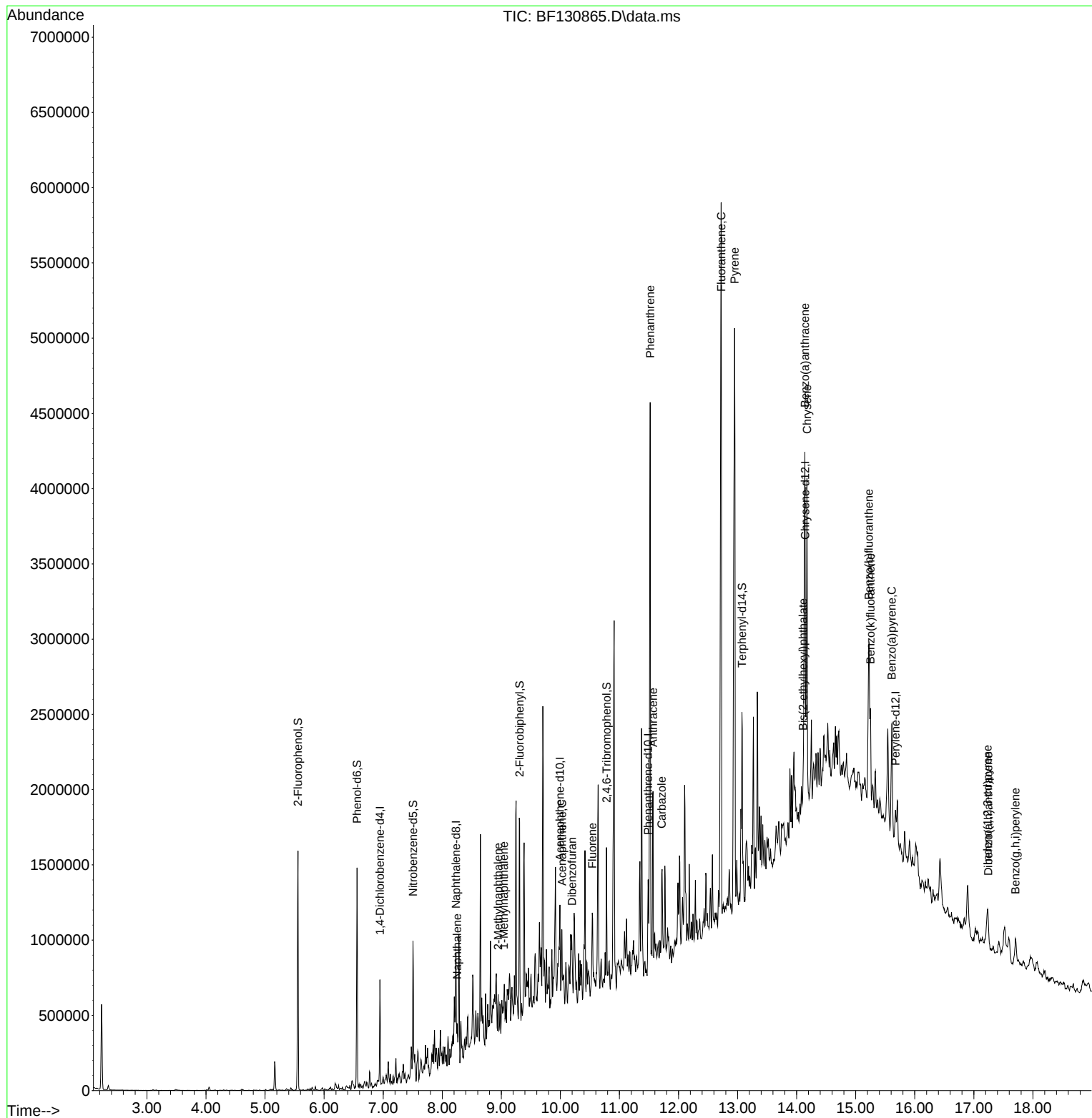
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130865.D
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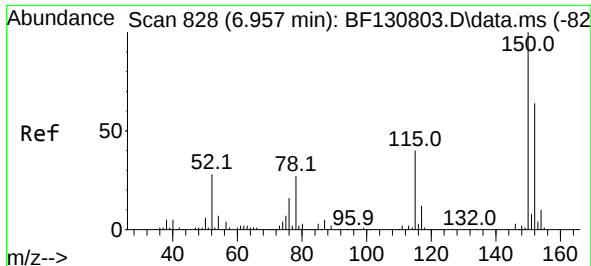
Instrument :
BNA_F
ClientSampleId :
TP2-1024

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Quant Time: Oct 30 23:26:32 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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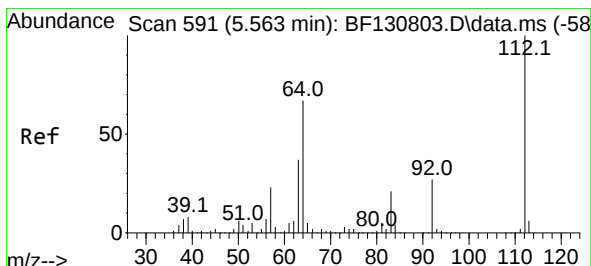
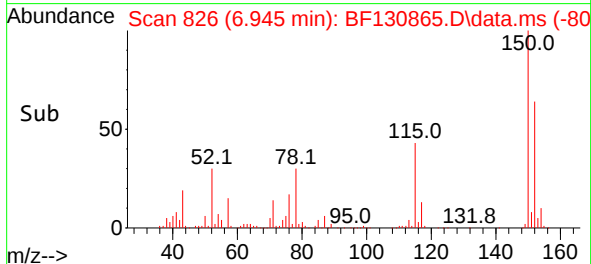
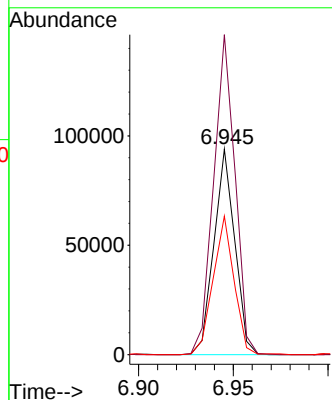
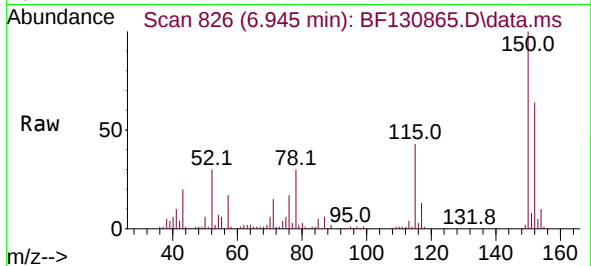
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Instrument :
BNA_F
ClientSampleId :
TP2-1024

Tgt Ion:152 Resp: 72196
Ion Ratio Lower Upper
152 100
150 155.7 124.1 186.1
115 67.4 50.1 75.1

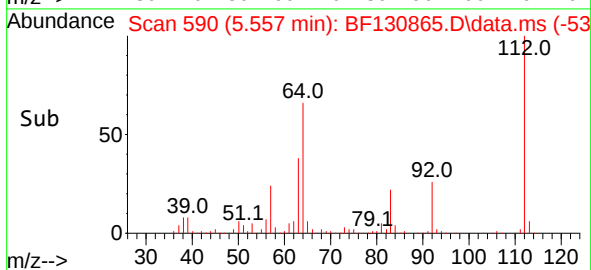
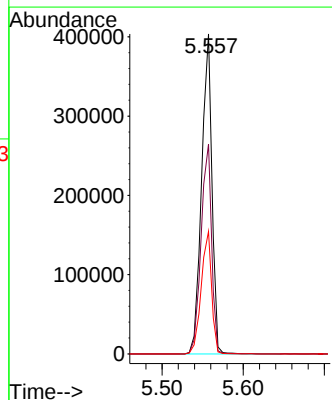
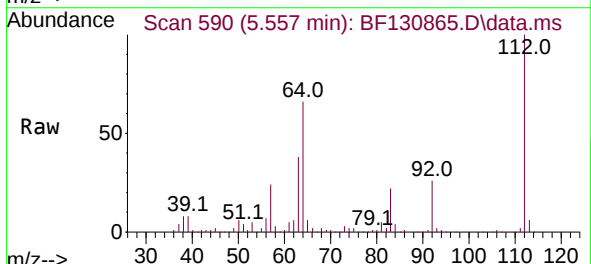
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#5
2-Fluorophenol
Concen: 85.598 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

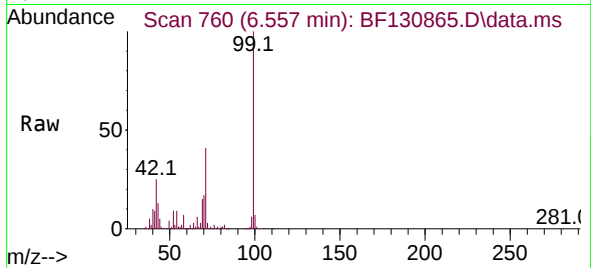
Tgt Ion:112 Resp: 356473
Ion Ratio Lower Upper
112 100
64 65.6 53.9 80.9
63 38.3 29.4 44.2





#7
Phenol-d6
Concen: 79.493 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

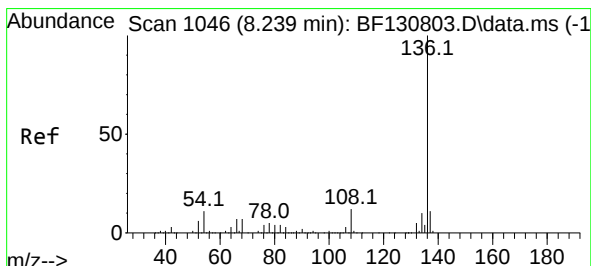
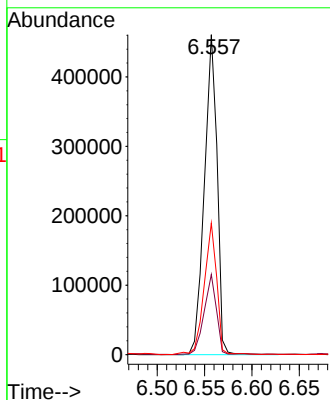
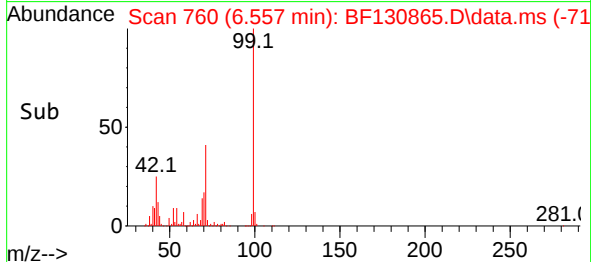
Instrument :
BNA_F
ClientSampleId :
TP2-1024



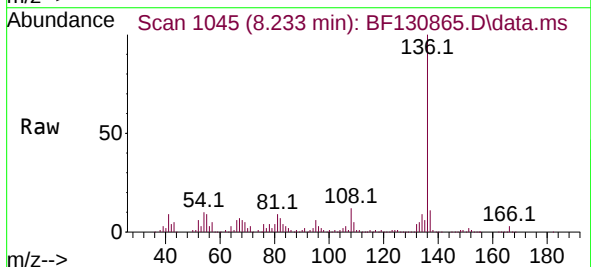
Tgt Ion: 99 Resp: 430197
Ion Ratio Lower Upper
99 100
42 25.0 18.8 28.2
71 41.1 31.4 47.0

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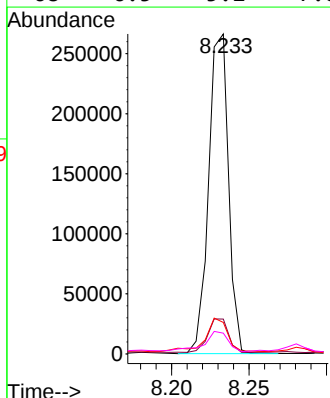
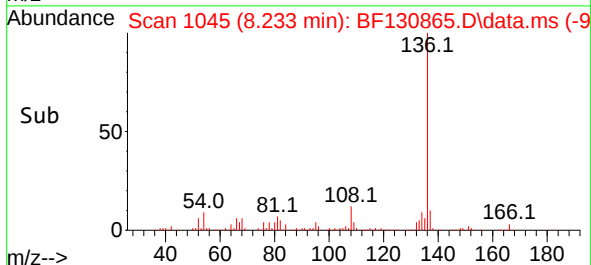
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.233 min Scan# 1045
Delta R.T. -0.000 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19



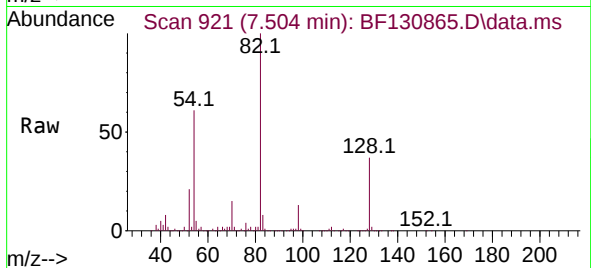
Tgt Ion:136 Resp: 238300
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 9.9 8.8 13.2
68 6.5 5.2 7.8





#23
Nitrobenzene-d5
Concen: 64.138 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

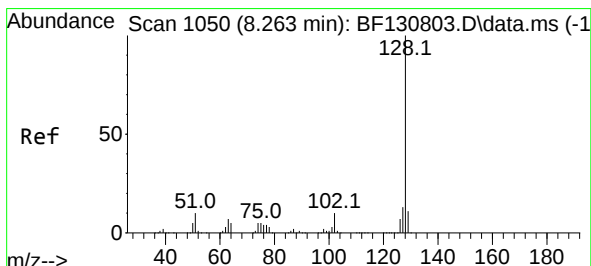
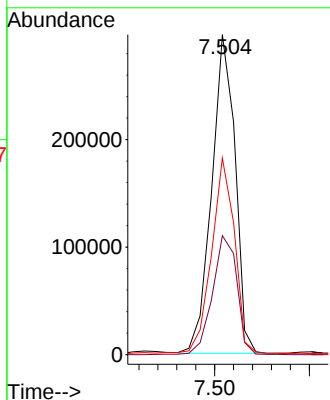
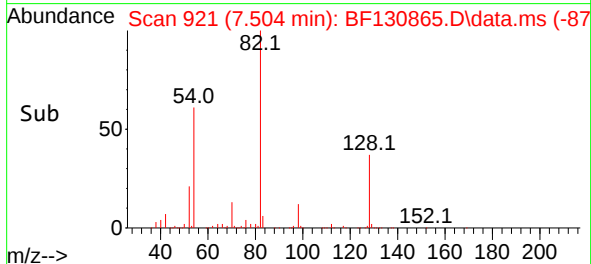
Instrument :
BNA_F
ClientSampleId :
TP2-1024



Tgt Ion: 82 Resp: 25347
Ion Ratio Lower Upper
82 100
128 37.2 31.2 46.8
54 61.4 48.0 72.0

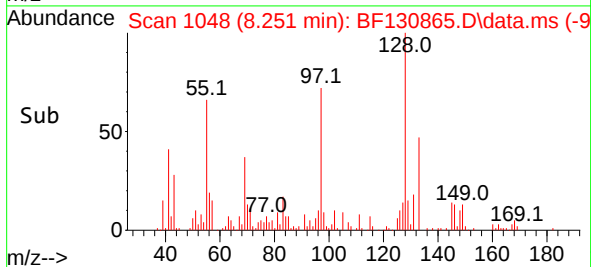
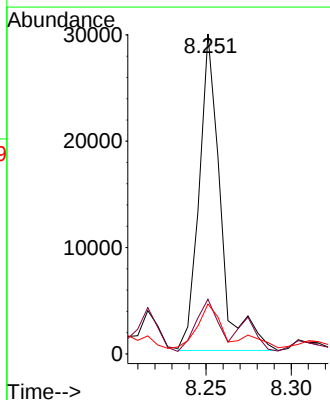
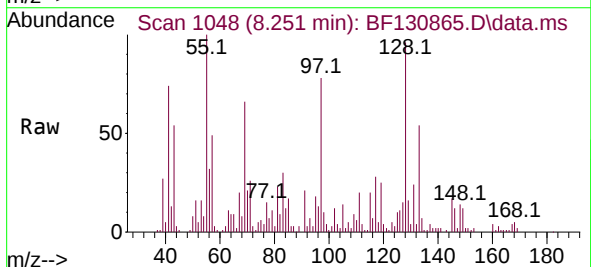
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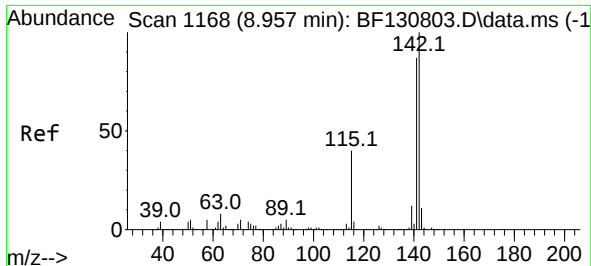
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#31
Naphthalene
Concen: 2.090 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Tgt Ion:128 Resp: 25980
Ion Ratio Lower Upper
128 100
129 17.1 9.0 13.6#
127 15.6 10.6 16.0





#37

2-Methylnaphthalene

Concen: 6.832 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF130865.D

Acq: 29 Oct 2022 19:19

Instrument :

BNA_F

ClientSampleId :

TP2-1024

Tgt Ion:142 Resp: 53428

Ion Ratio Lower Upper

142 100

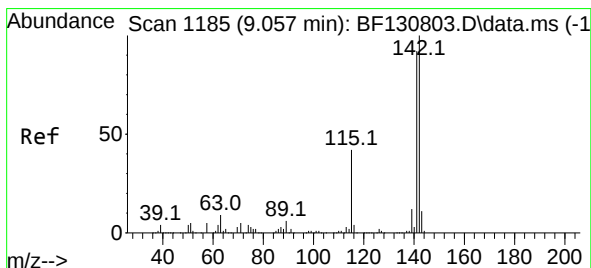
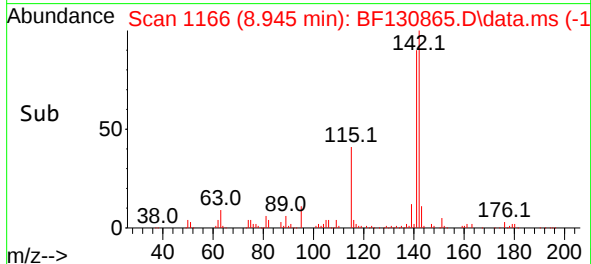
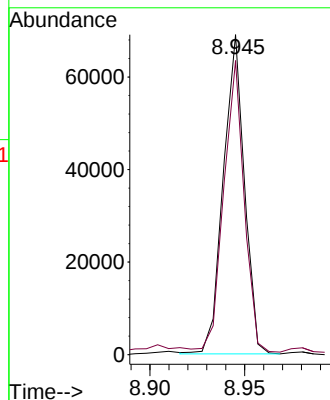
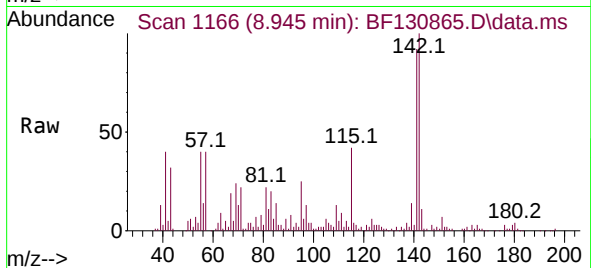
141 91.9 69.9 104.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/01/2022



#38

1-Methylnaphthalene

Concen: 5.584 ng

RT: 9.045 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF130865.D

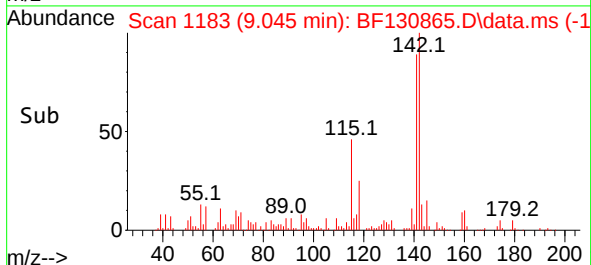
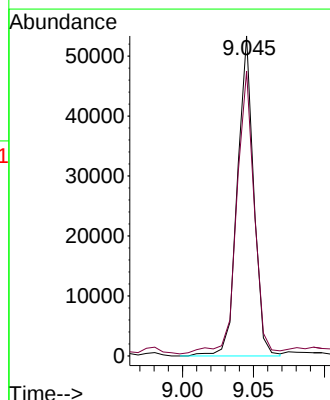
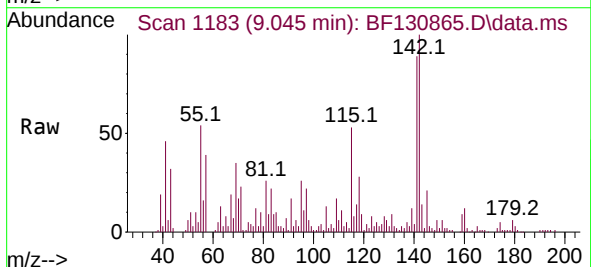
Acq: 29 Oct 2022 19:19

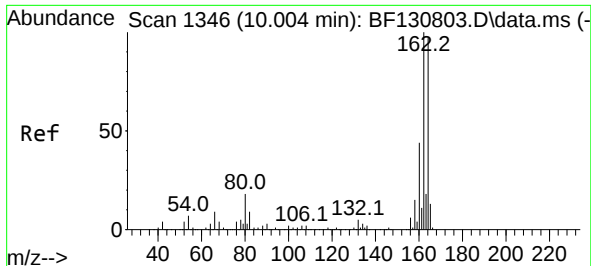
Tgt Ion:142 Resp: 42502

Ion Ratio Lower Upper

142 100

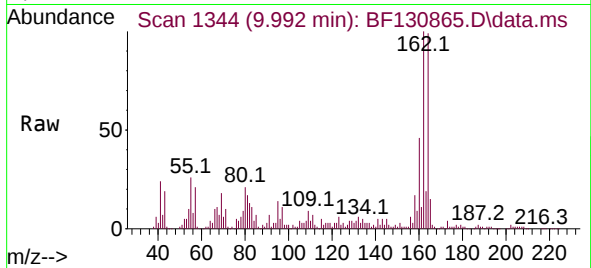
141 89.0 73.5 110.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

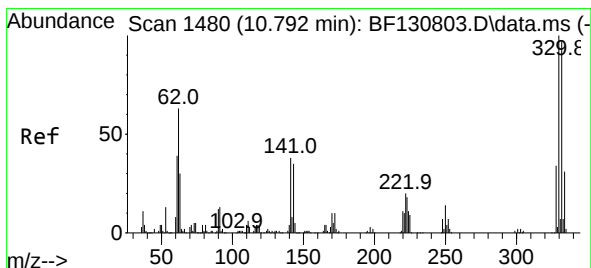
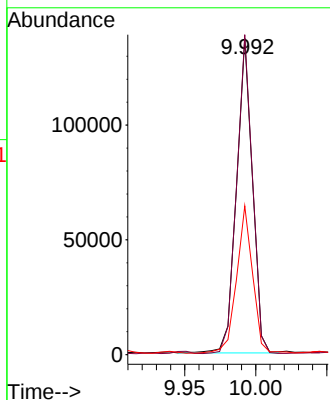
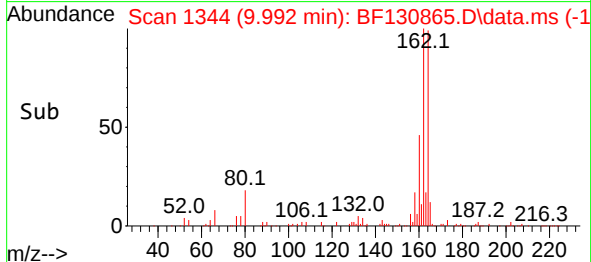
Instrument :
BNA_F
ClientSampleId :
TP2-1024



Tgt Ion:164 Resp: 106702
Ion Ratio Lower Upper
164 100
162 101.1 82.2 123.2
160 47.0 36.6 54.8

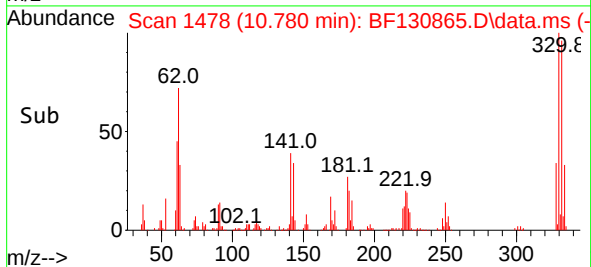
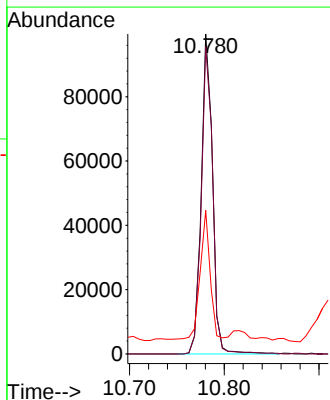
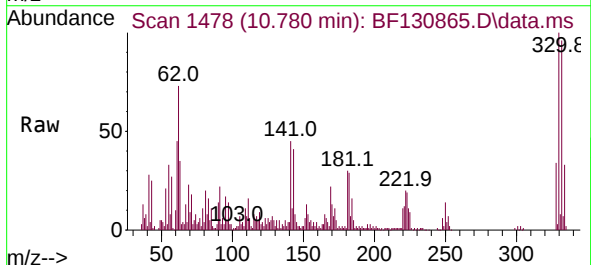
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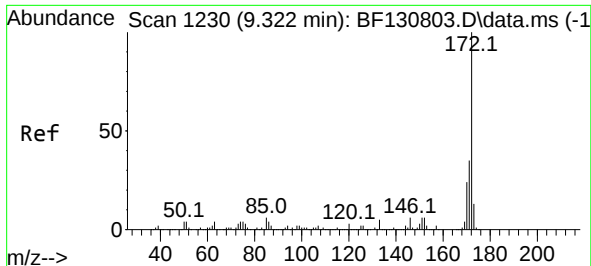
Reviewed By :Christian Giraldo 10/31/2022
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#42
2,4,6-Tribromophenol
Concen: 91.297 ng
RT: 10.780 min Scan# 1478
Delta R.T. -0.006 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Tgt Ion:330 Resp: 82004
Ion Ratio Lower Upper
330 100
332 97.2 76.2 114.4
141 36.4 31.4 47.0





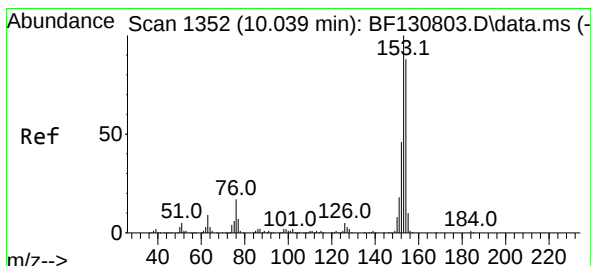
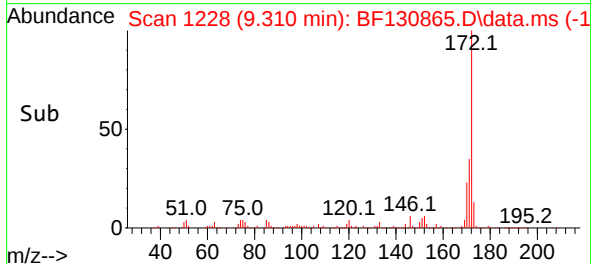
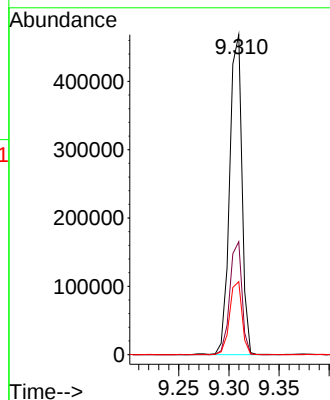
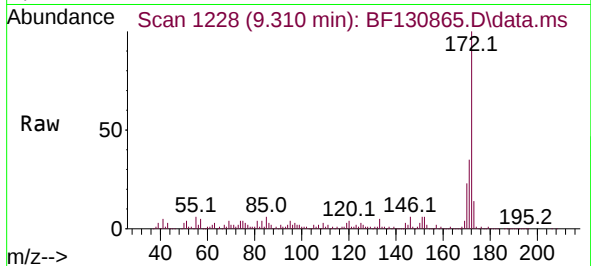
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2-Fluorobiphenyl
Concen: 56.967 ng
RT: 9.310 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Instrument :
BNA_F
ClientSampleId :
TP2-1024

Tgt Ion:172 Resp: 402049
Ion Ratio Lower Upper
172 100
171 35.3 28.1 42.1
170 22.8 19.0 28.4

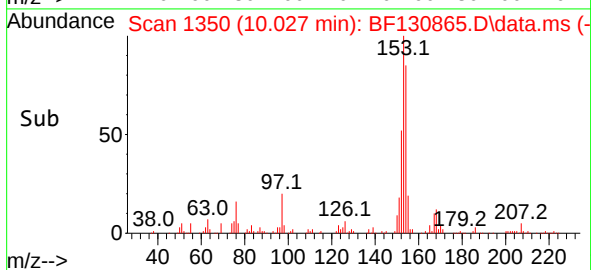
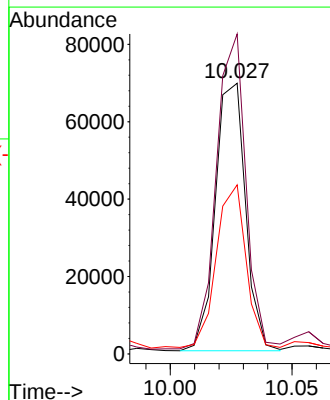
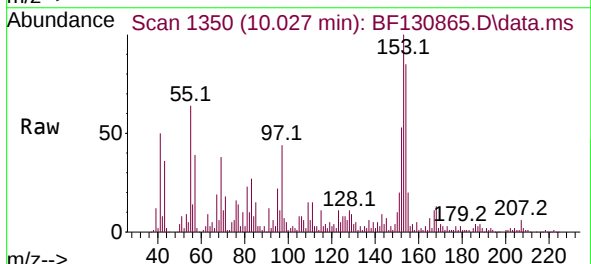
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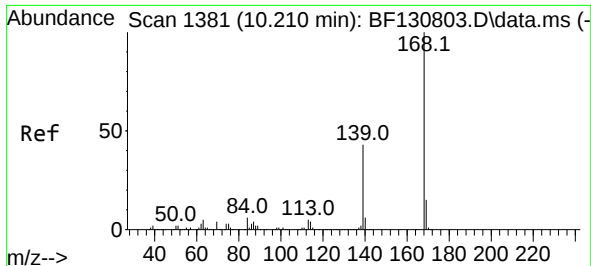
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#52
Acenaphthene
Concen: 10.014 ng
RT: 10.027 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Tgt Ion:154 Resp: 59651
Ion Ratio Lower Upper
154 100
153 118.2 90.5 135.7
152 62.4 42.0 63.0





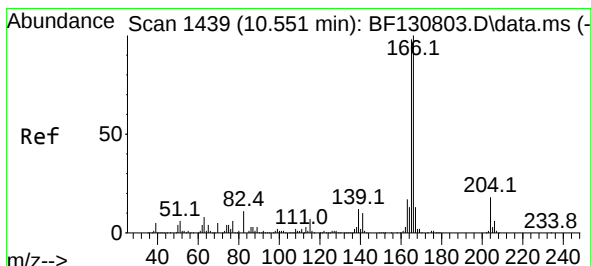
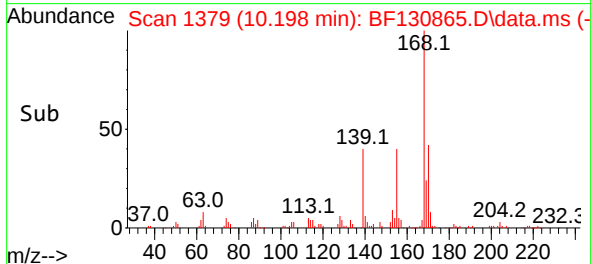
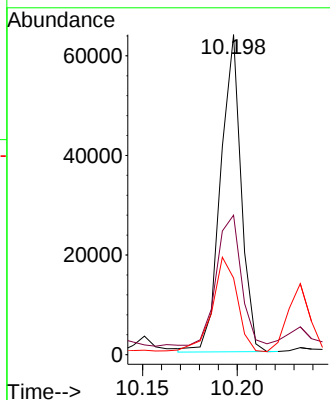
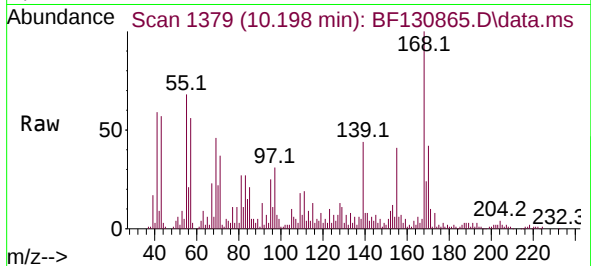
#55
Dibenzenofuran
Concen: 5.565 ng
RT: 10.198 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Instrument :
BNA_F
ClientSampleId :
TP2-1024

Tgt Ion:168 Resp: 48048
Ion Ratio Lower Upper
168 100
139 43.6 34.3 51.5
169 23.9 11.9 17.9

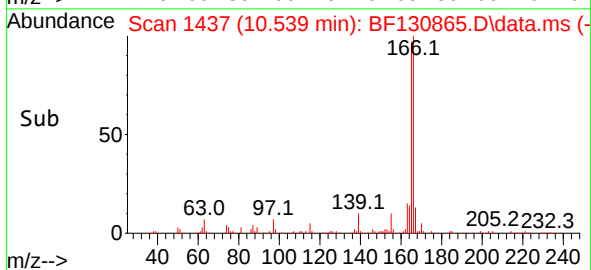
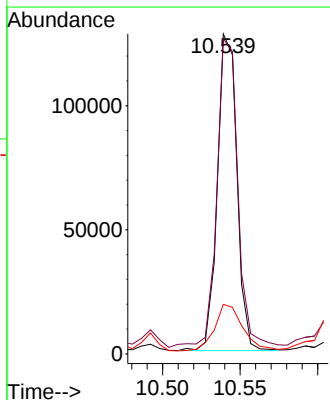
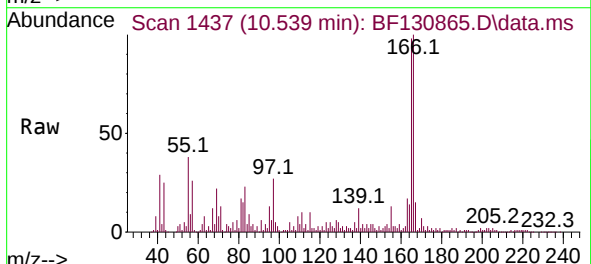
Manual Integrations
APPROVED

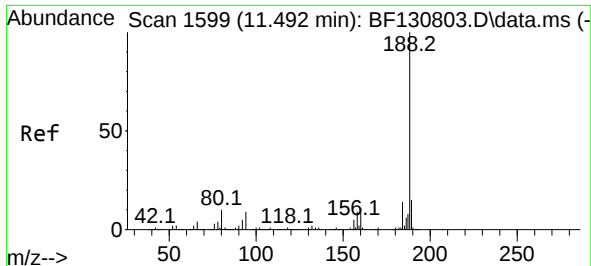
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#58
Fluorene
Concen: 16.522 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Tgt Ion:166 Resp: 112324
Ion Ratio Lower Upper
166 100
165 98.5 78.1 117.1
167 15.5 10.4 15.6





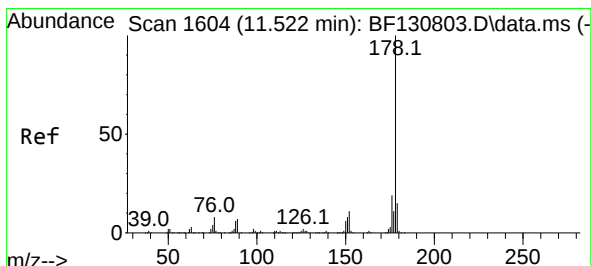
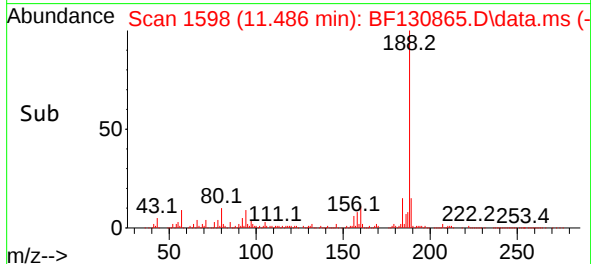
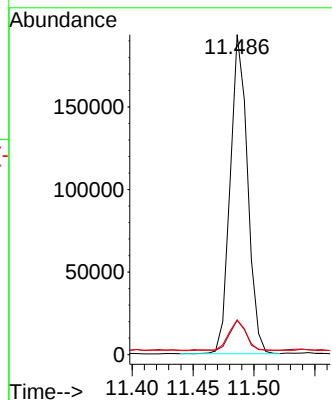
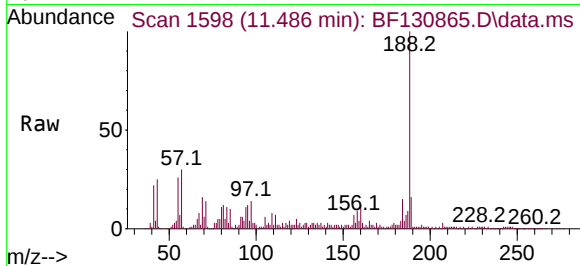
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11486
Delta R.T. -0.000 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Instrument :
BNA_F
ClientSampleId :
TP2-1024

Tgt Ion:188 Resp: 191435
Ion Ratio Lower Upper
188 100
94 10.7 7.4 11.2
80 10.9 8.0 12.0

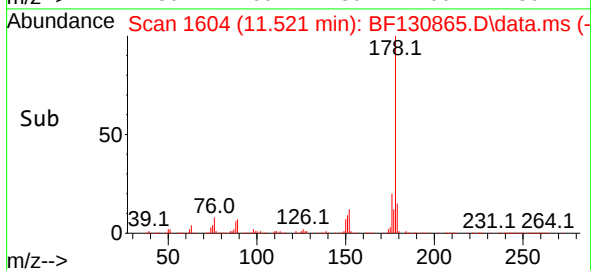
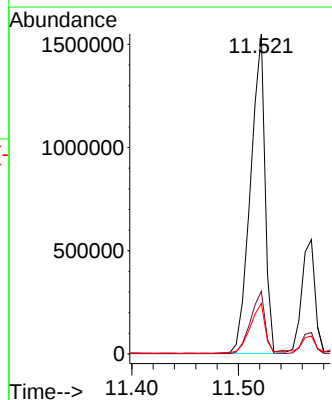
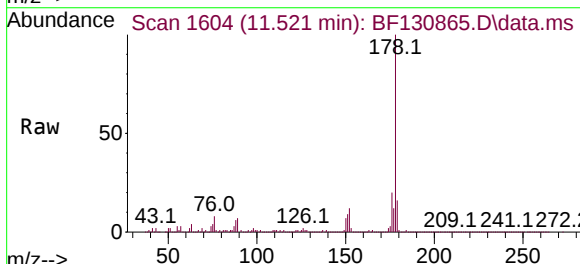
Manual Integrations
APPROVED

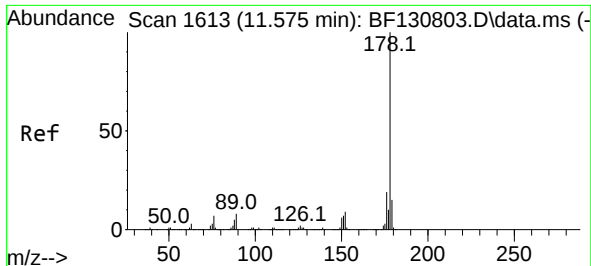
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#71
Phenanthrene
Concen: 148.113 ng
RT: 11.521 min Scan# 1604
Delta R.T. 0.012 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

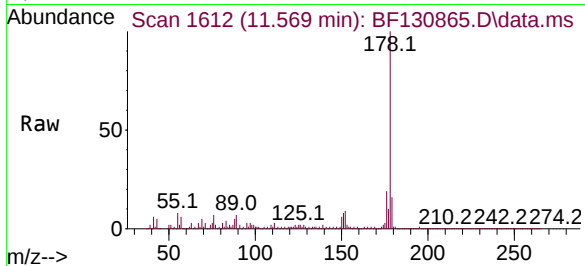
Tgt Ion:178 Resp: 1463441
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.8 12.2 18.2





#72
 Anthracene
 Concen: 47.917 ng
 RT: 11.569 min Scan# 1613
 Delta R.T. 0.006 min
 Lab File: BF130865.D
 Acq: 29 Oct 2022 19:19

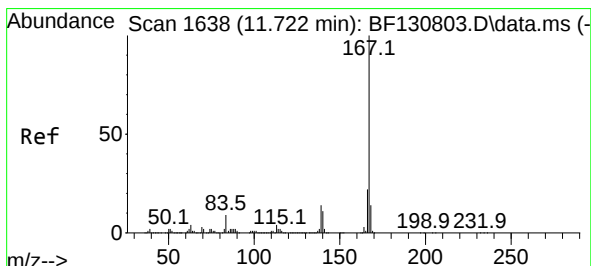
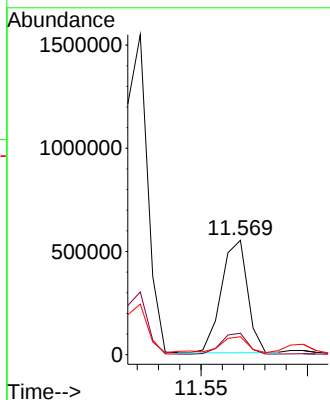
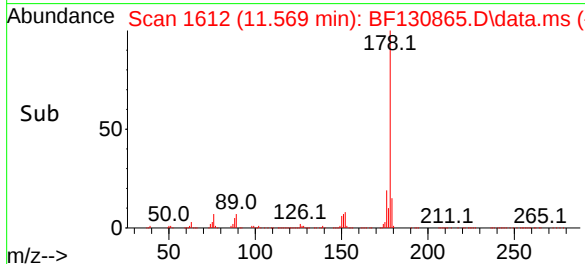
Instrument :
 BNA_F
 ClientSampleId :
 TP2-1024



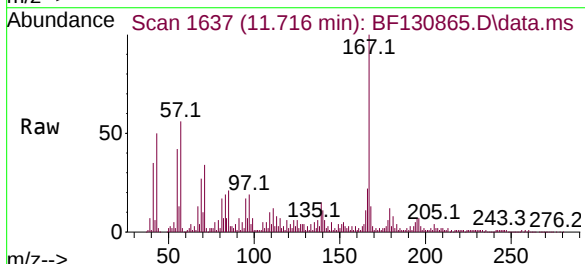
Tgt Ion:178 Resp: 466978
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.0
 179 15.6 12.2 18.4

Manual Integrations
 APPROVED

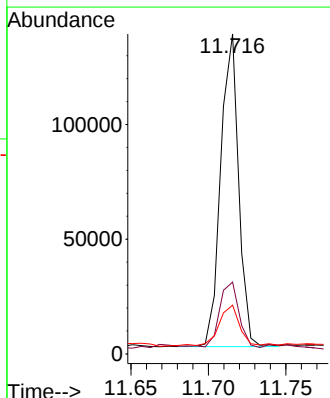
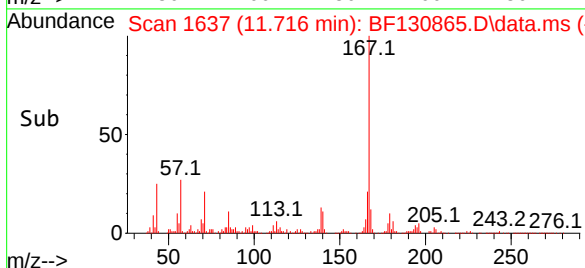
Reviewed By :Christian Giraldo 10/31/2022
 Supervised By :Jagrut Upadhyay 11/01/2022

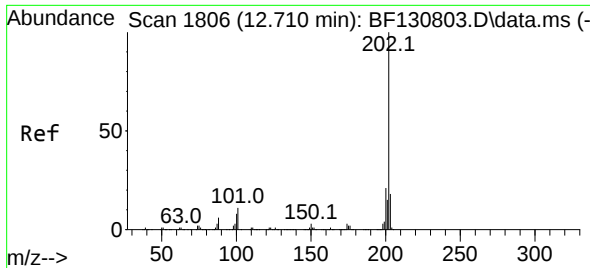


#73
 Carbazole
 Concen: 12.562 ng
 RT: 11.716 min Scan# 1637
 Delta R.T. -0.000 min
 Lab File: BF130865.D
 Acq: 29 Oct 2022 19:19



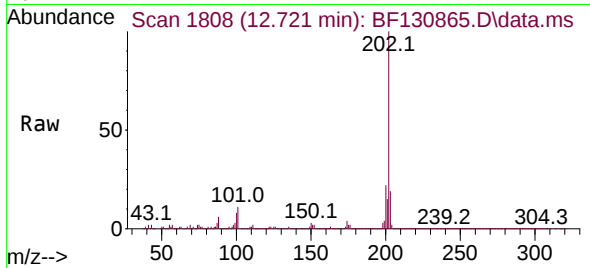
Tgt Ion:167 Resp: 109631
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.4 26.0
 139 15.3 11.3 16.9





#75
Fluoranthene
Concen: 253.026 ng
RT: 12.721 min Scan# 1806
Delta R.T. 0.018 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

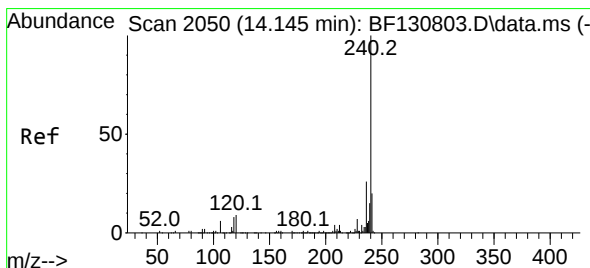
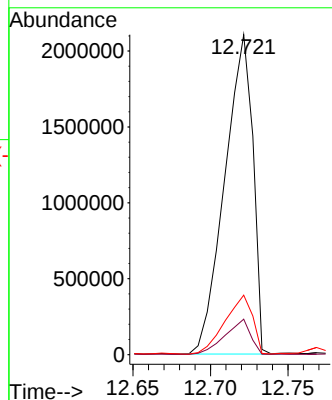
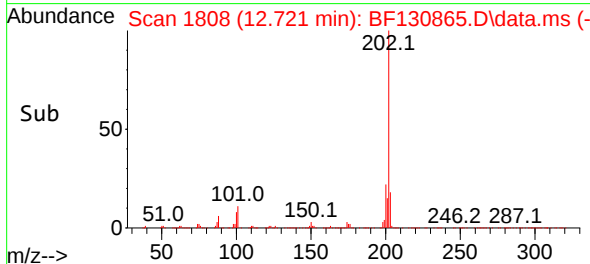
Instrument :
BNA_F
ClientSampleId :
TP2-1024



Tgt Ion:202 Resp: 2656280
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.9
203 18.6 0.0 37.7

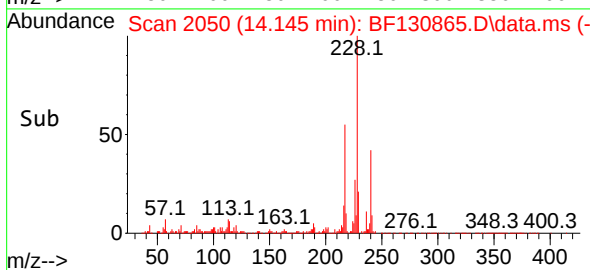
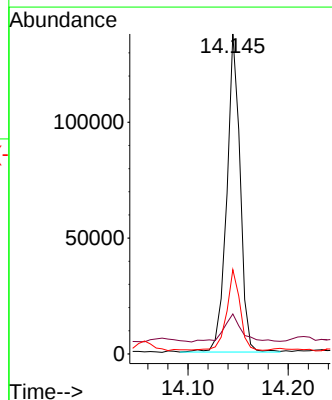
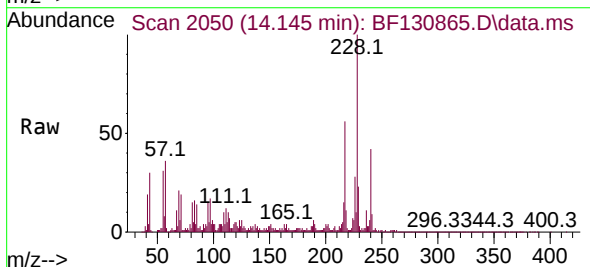
Manual Integrations
APPROVED

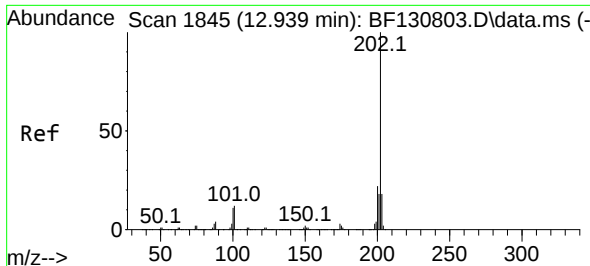
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. 0.012 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

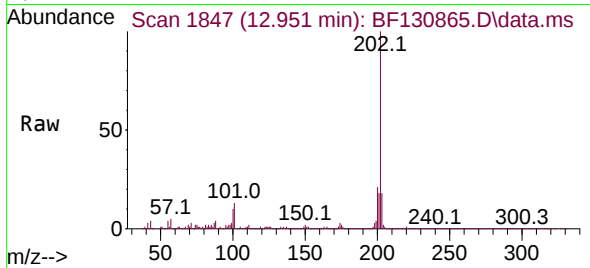
Tgt Ion:240 Resp: 127696
Ion Ratio Lower Upper
240 100
120 12.5 7.0 10.4#
236 26.3 20.5 30.7





#78
Pyrene
Concen: 199.567 ng
RT: 12.951 min Scan# 1845
Delta R.T. 0.018 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

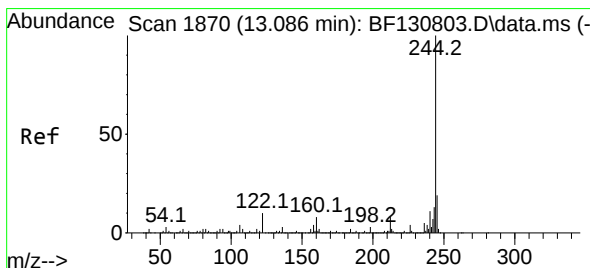
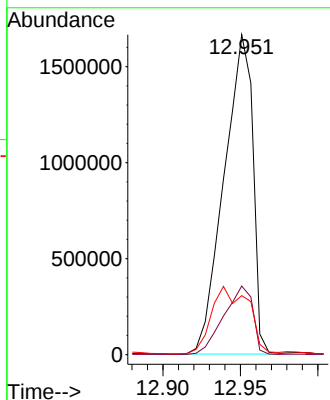
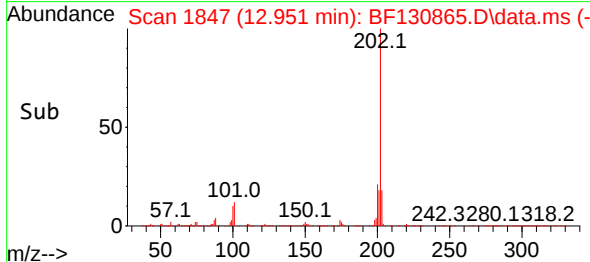
Instrument :
BNA_F
ClientSampleId :
TP2-1024



Tgt Ion:202 Resp: 2150019
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 18.5 14.5 21.7

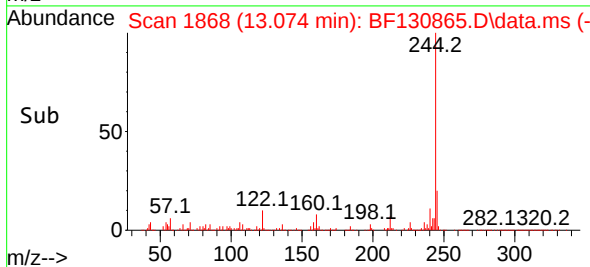
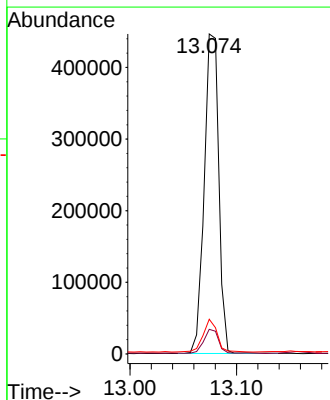
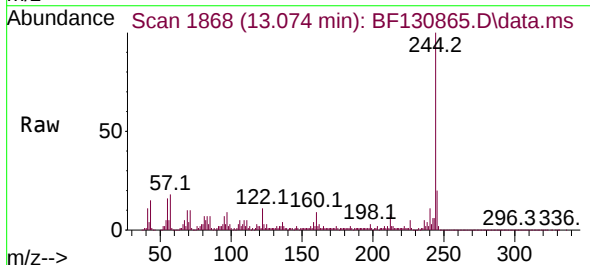
Manual Integrations
APPROVED

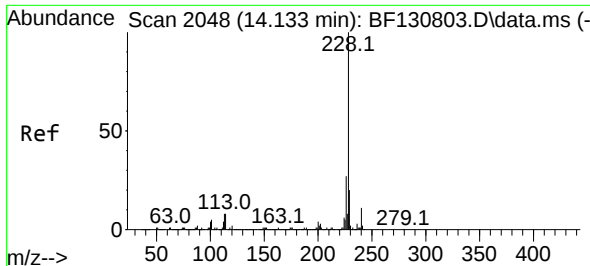
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#79
Terphenyl-d14
Concen: 60.536 ng
RT: 13.074 min Scan# 1868
Delta R.T. -0.000 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Tgt Ion:244 Resp: 421847
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.2
122 10.8 7.9 11.9





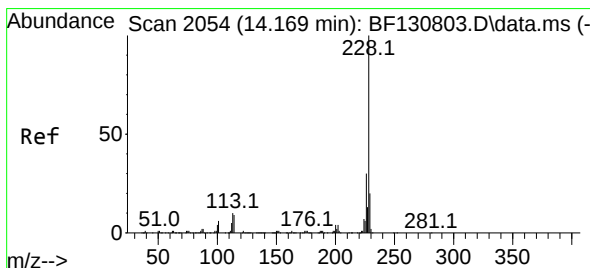
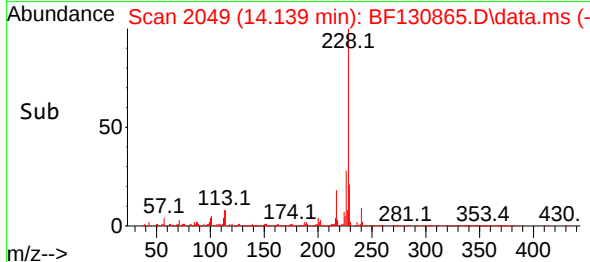
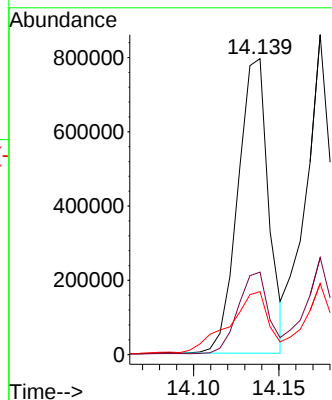
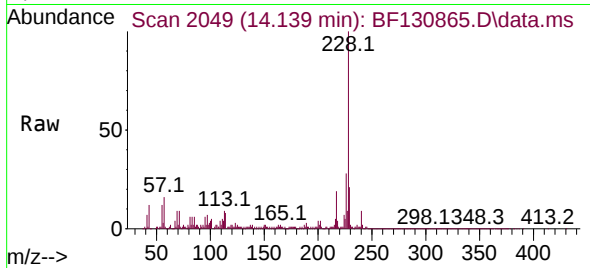
#81
Benzo(a)anthracene
Concen: 117.335 ng
RT: 14.139 min Scan# 2048
Delta R.T. 0.017 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Instrument :
BNA_F
ClientSampleId :
TP2-1024

Tgt Ion:228 Resp: 993386
Ion Ratio Lower Upper
228 100
226 27.9 21.4 32.2
229 21.3 15.8 23.6

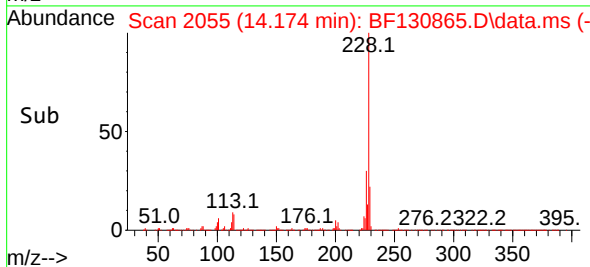
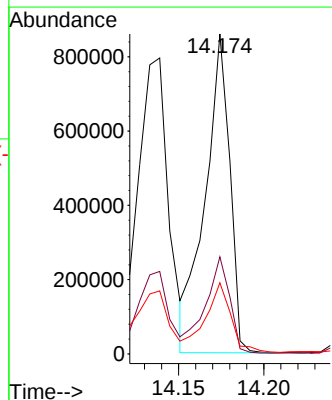
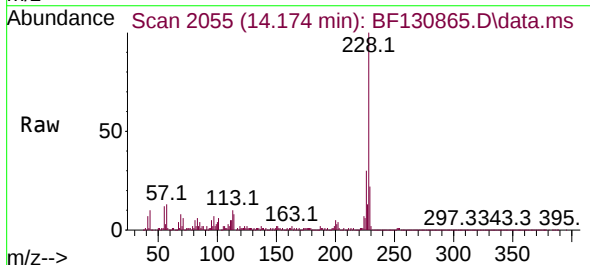
Manual Integrations
APPROVED

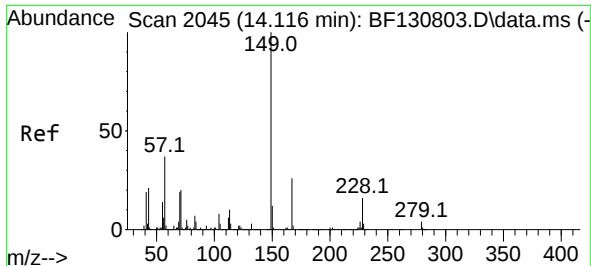
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#83
Chrysene
Concen: 105.367 ng
RT: 14.174 min Scan# 2055
Delta R.T. 0.018 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Tgt Ion:228 Resp: 860466
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 22.3 15.8 23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.955 ng
RT: 14.110 min Scan# 2044
Delta R.T. 0.006 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

Instrument :

BNA_F

ClientSampleId :

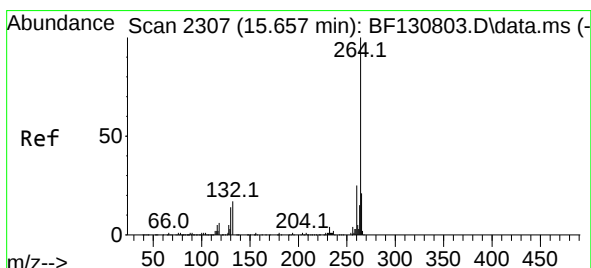
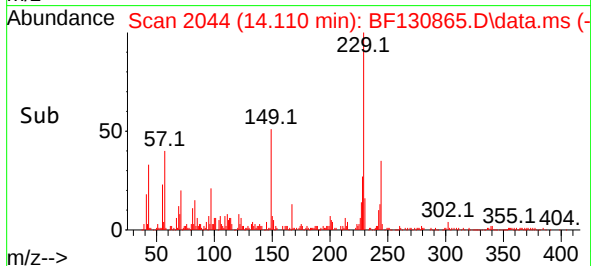
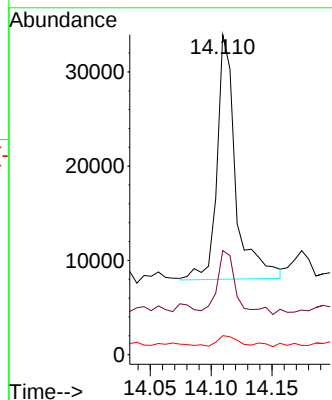
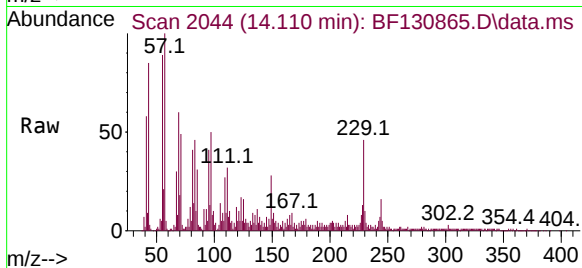
TP2-1024

Tgt Ion:149 Resp: 27754
Ion Ratio Lower Upper
149 100
167 32.5 21.0 31.4
279 5.9 3.0 4.6

Manual Integrations

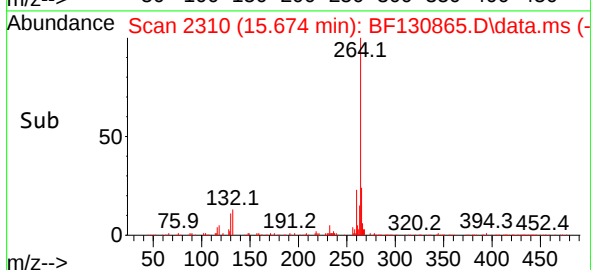
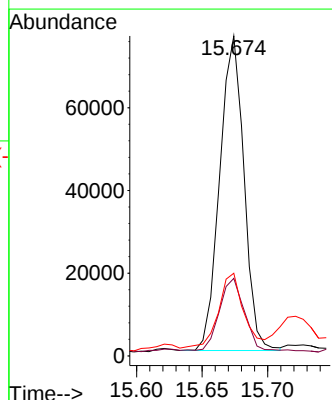
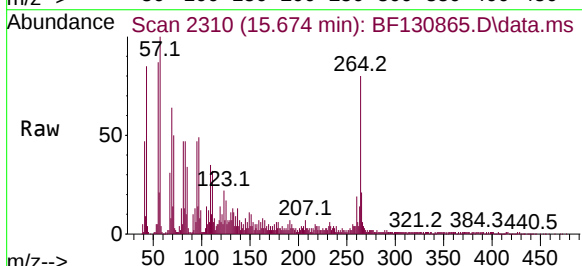
APPROVED

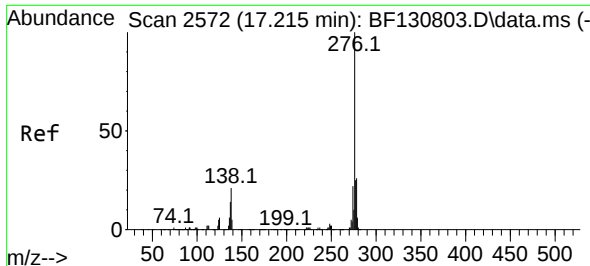
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.674 min Scan# 2310
Delta R.T. 0.029 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

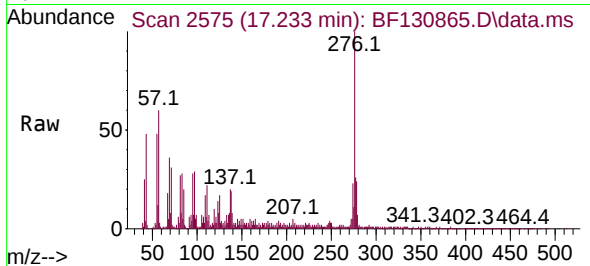
Tgt Ion:264 Resp: 97849
Ion Ratio Lower Upper
264 100
260 24.2 19.9 29.9
265 25.9 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 29.630 ng
RT: 17.233 min Scan# 2575
Delta R.T. 0.041 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

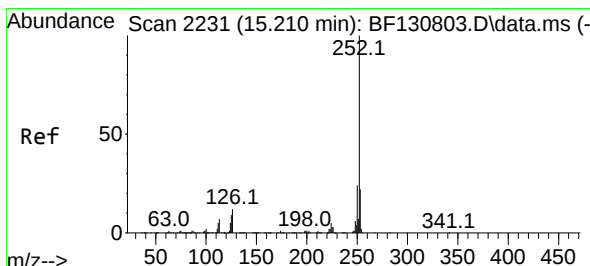
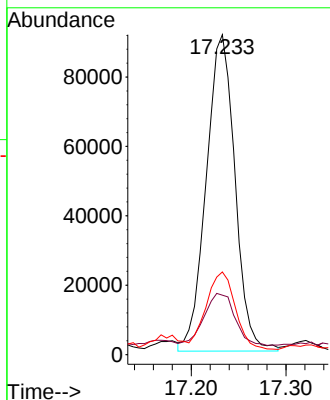
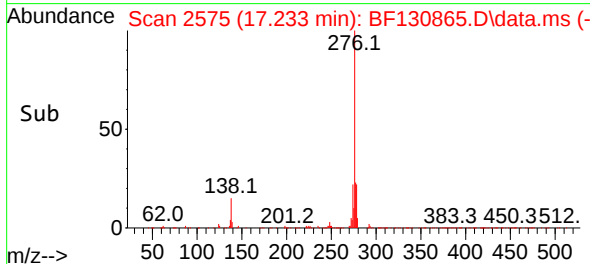
Instrument :
BNA_F
ClientSampleId :
TP2-1024



Tgt Ion:276 Resp: 192535
Ion Ratio Lower Upper
276 100
138 18.0 19.1 28.7
277 24.7 20.1 30.1

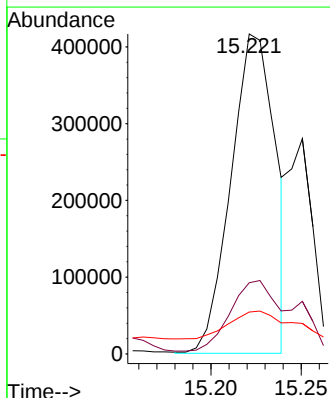
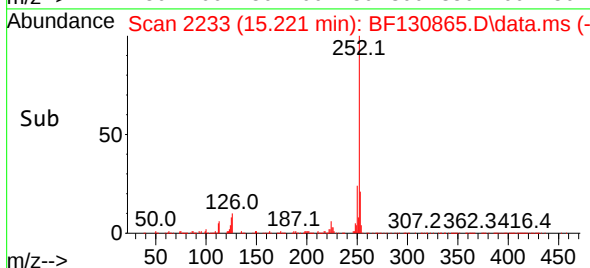
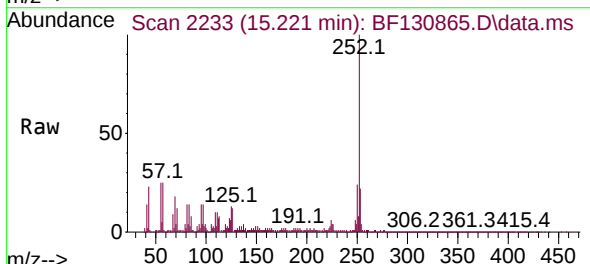
Manual Integrations
APPROVED

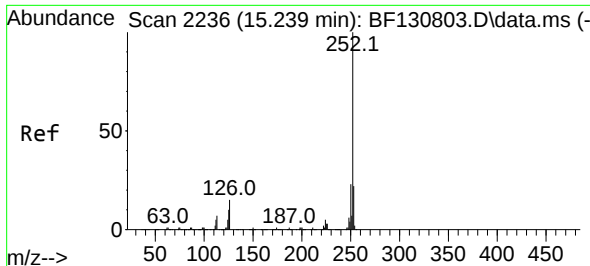
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#88
Benzo(b)fluoranthene
Concen: 112.555 ng m
RT: 15.221 min Scan# 2233
Delta R.T. 0.023 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

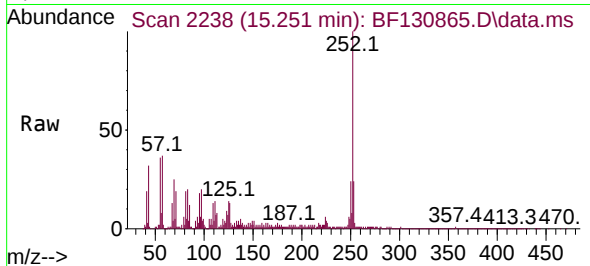
Tgt Ion:252 Resp: 711942
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 13.1 7.0 10.4





#89
Benzo(k)fluoranthene
Concen: 41.776 ng m
RT: 15.251 min Scan# 2236
Delta R.T. 0.023 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

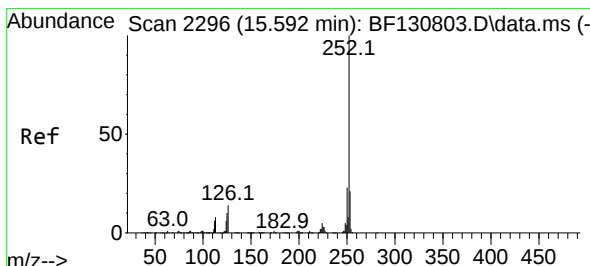
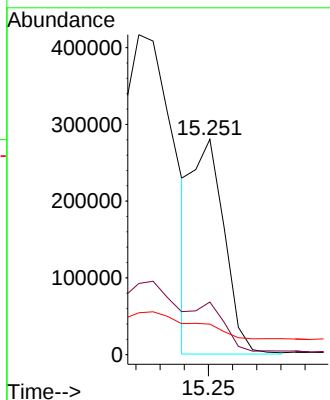
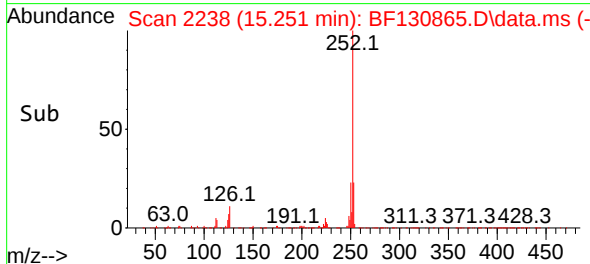
Instrument :
BNA_F
ClientSampleId :
TP2-1024



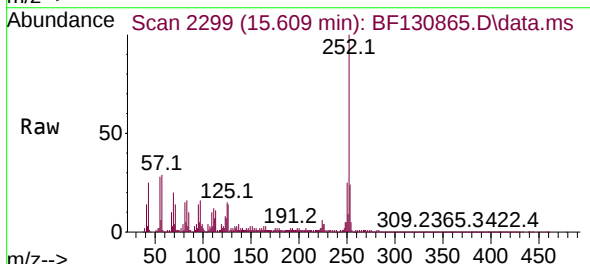
Tgt Ion:252 Resp: 257488
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 14.2 8.0 12.0

Manual Integrations
APPROVED

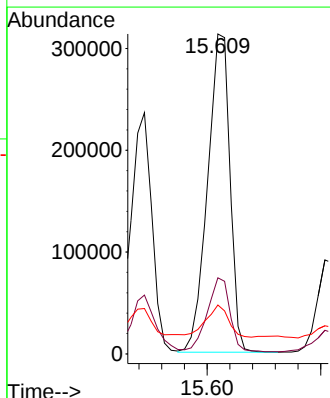
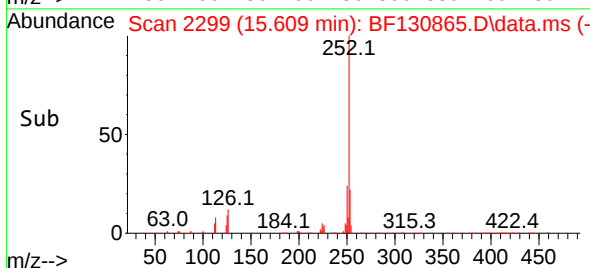
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

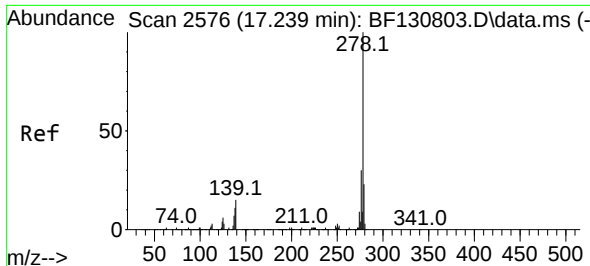


#90
Benzo(a)pyrene
Concen: 84.257 ng
RT: 15.609 min Scan# 2299
Delta R.T. 0.029 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19



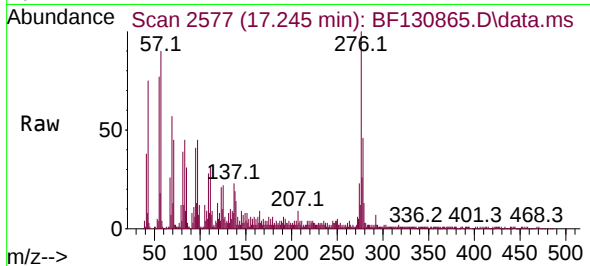
Tgt Ion:252 Resp: 428426
Ion Ratio Lower Upper
252 100
253 23.8 16.8 25.2
125 15.3 8.3 12.5





#91
Dibenzo(a,h)anthracene
Concen: 10.630 ng
RT: 17.245 min Scan# 2576
Delta R.T. 0.029 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19

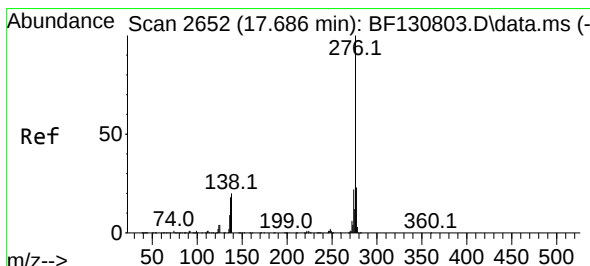
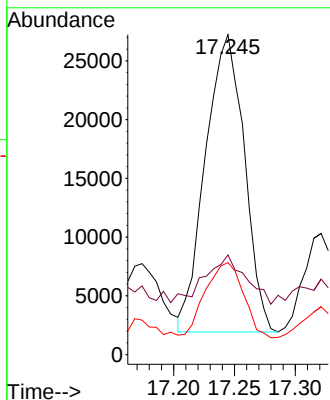
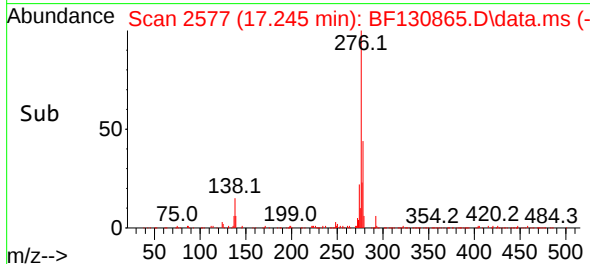
Instrument :
BNA_F
ClientSampleId :
TP2-1024



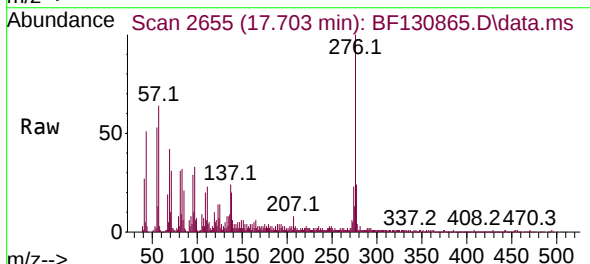
Tgt Ion:278 Resp: 56310
Ion Ratio Lower Upper
278 100
139 31.1 11.9 17.9
279 28.8 18.6 28.0

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 31.355 ng
RT: 17.703 min Scan# 2655
Delta R.T. 0.035 min
Lab File: BF130865.D
Acq: 29 Oct 2022 19:19



Tgt Ion:276 Resp: 169446
Ion Ratio Lower Upper
276 100
277 24.2 18.8 28.2
138 20.4 16.3 24.5

