

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130859.D
 Acq On : 29 Oct 2022 16:15
 Operator : CG\JU
 Sample : N5331-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-RB21502

Quant Time: Oct 30 23:24:52 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

Manual Integrations
 APPROVED

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

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

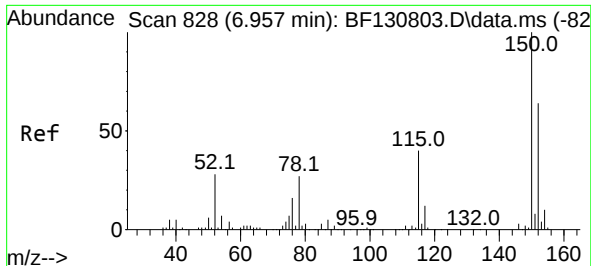
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	78865	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	279672	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	120650	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	181626	20.000	ng	0.00
76) Chrysene-d12	14.127	240	156807	20.000	ng	0.00
86) Perylene-d12	15.645	264	115663	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	465852	102.404	ng	0.00
7) Phenol-d6	6.557	99	582465	98.528	ng	0.00
23) Nitrobenzene-d5	7.504	82	363226	78.314	ng	-0.01
42) 2,4,6-Tribromophenol	10.774	330	98768	97.248	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	572130	71.694	ng	0.00
79) Terphenyl-d14	13.068	244	428238	50.044	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.504	178	160304	17.100	ng	99
72) Anthracene	11.551	178	31885	3.448	ng	99
73) Carbazole	11.704	167	18904	2.283	ng	98
75) Fluoranthene	12.698	202	369684	37.116	ng	97
78) Pyrene	12.927	202	356408	26.940	ng	99
81) Benzo(a)anthracene	14.115	228	202577	19.486	ng	96
83) Chrysene	14.151	228	213152	21.256	ng	98
84) Bis(2-ethylhexyl)phtha...	14.104	149	78579	13.731	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.180	276	74939	9.757	ng	96
88) Benzo(b)fluoranthene	15.192	252	221948m	29.685	ng	
89) Benzo(k)fluoranthene	15.221	252	84407m	11.585	ng	
90) Benzo(a)pyrene	15.580	252	126892	21.112	ng	99
91) Dibenzo(a,h)anthracene	17.198	278	21635	3.455	ng	# 87
92) Benzo(g,h,i)perylene	17.656	276	71158	11.139	ng	95

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

Manual Integrations

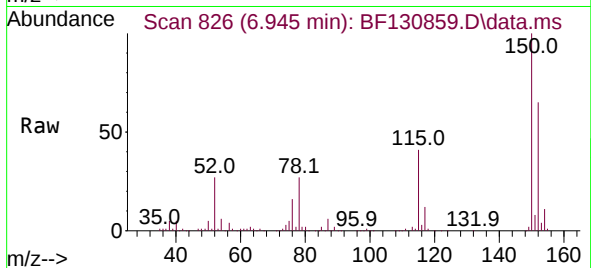
Quant Time: Oct 30 23:24:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 05:41:34 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

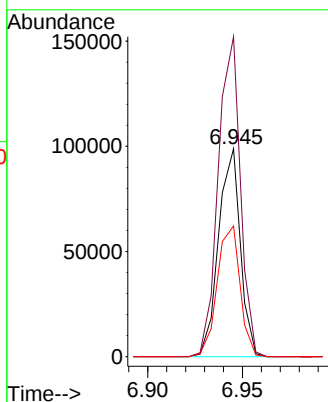
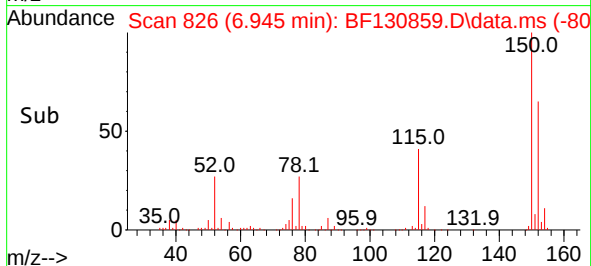
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502



Tgt Ion:152 Resp: 78865
Ion Ratio Lower Upper
152 100
150 153.9 124.1 186.1
115 62.9 50.1 75.1

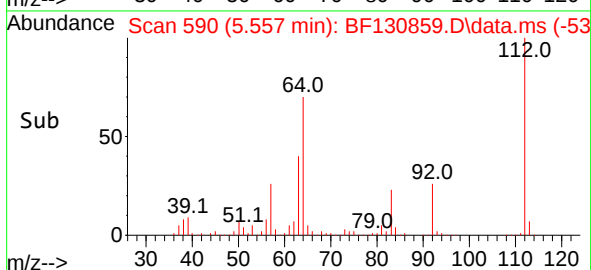
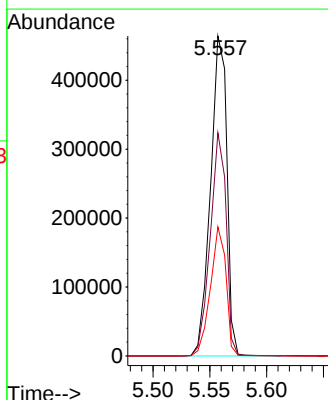
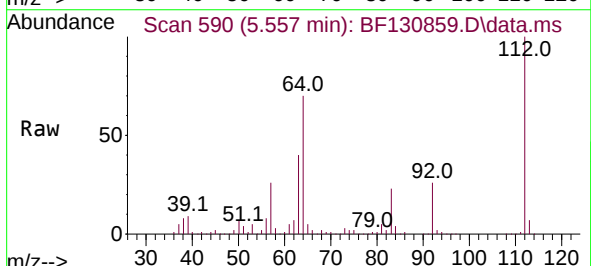
Manual Integrations
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Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#5
2-Fluorophenol
Concen: 102.404 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

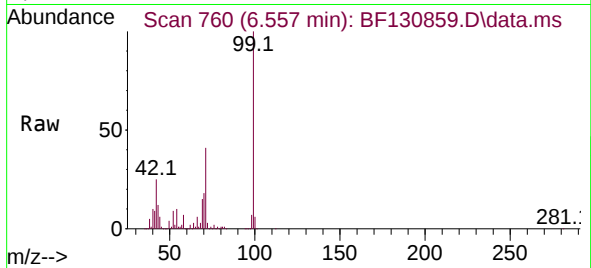
Tgt Ion:112 Resp: 465852
Ion Ratio Lower Upper
112 100
64 69.7 53.9 80.9
63 40.3 29.4 44.2





#7
Phenol-d6
Concen: 98.528 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

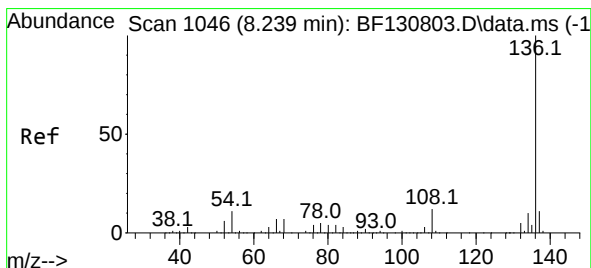
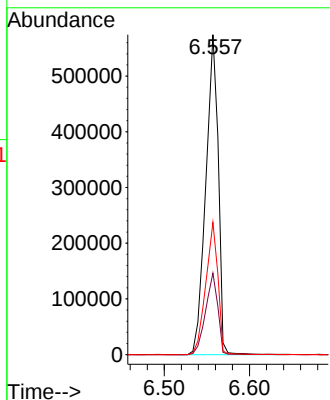
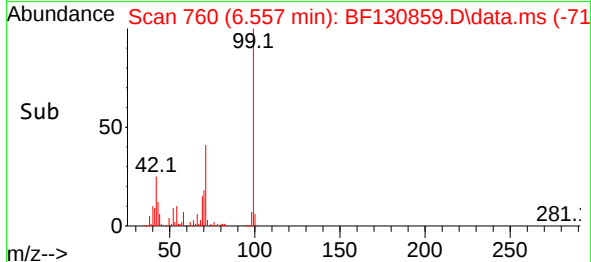
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502



Tgt Ion: 99 Resp: 582465
Ion Ratio Lower Upper
99 100
42 25.5 18.8 28.2
71 41.3 31.4 47.0

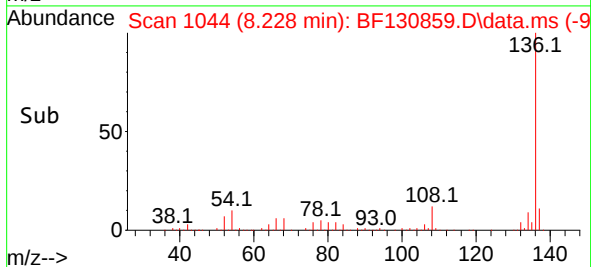
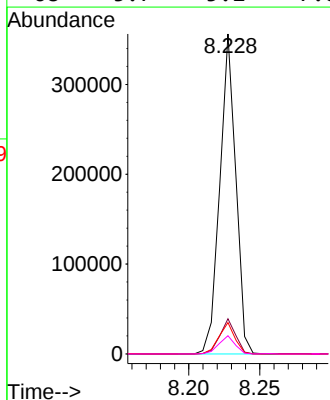
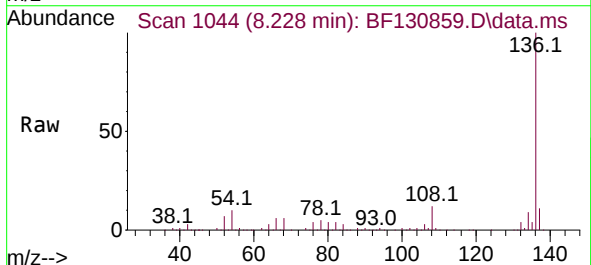
Manual Integrations
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

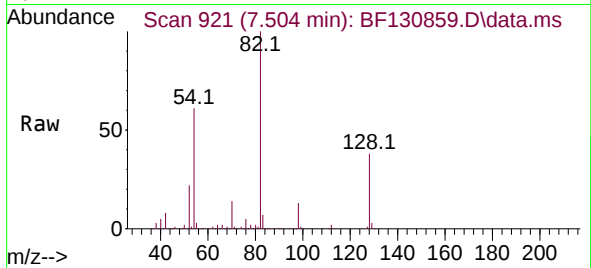
Tgt Ion:136 Resp: 279672
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 9.8 8.8 13.2
68 5.7 5.2 7.8





#23
Nitrobenzene-d5
Concen: 78.314 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

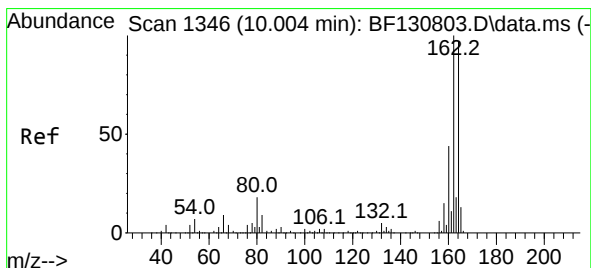
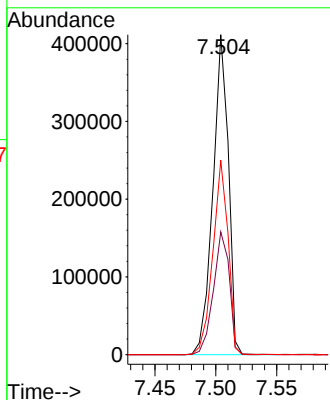
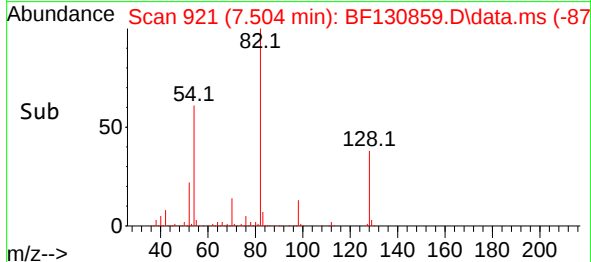
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502



Tgt Ion: 82 Resp: 363226
Ion Ratio Lower Upper
82 100
128 38.4 31.2 46.8
54 60.7 48.0 72.0

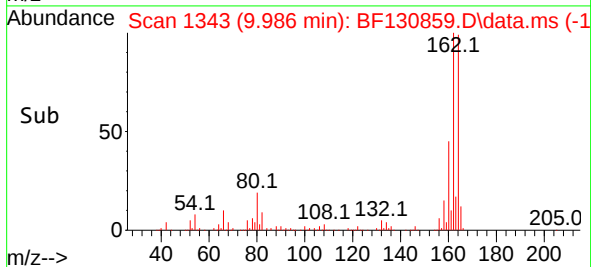
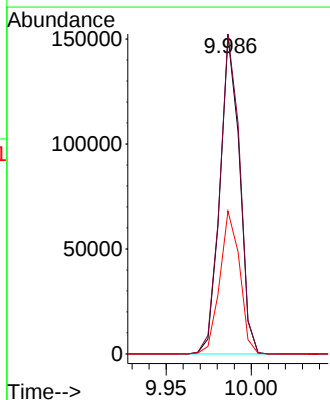
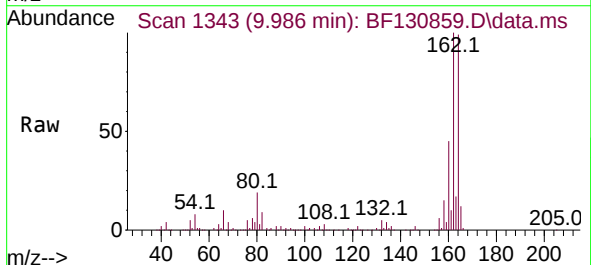
Manual Integrations
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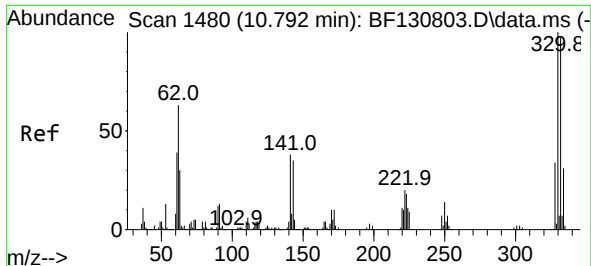
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

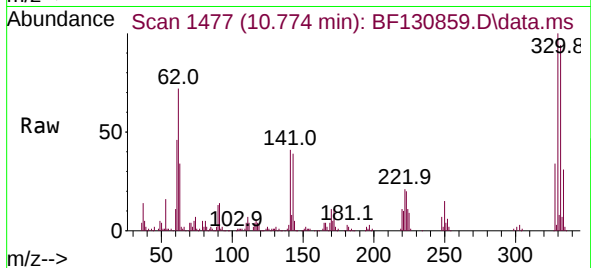
Tgt Ion:164 Resp: 120650
Ion Ratio Lower Upper
164 100
162 100.7 82.2 123.2
160 44.9 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 97.248 ng
RT: 10.774 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

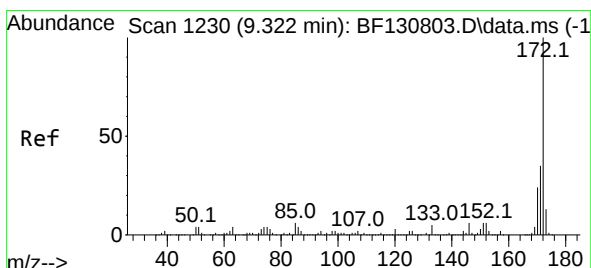
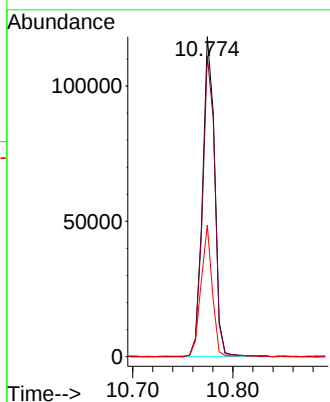
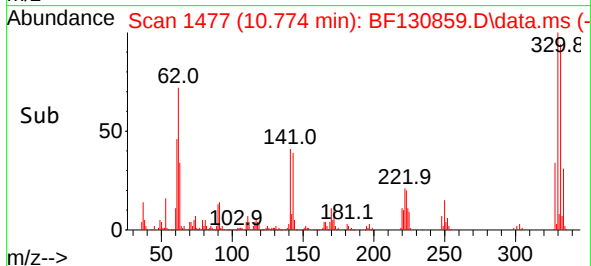
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502



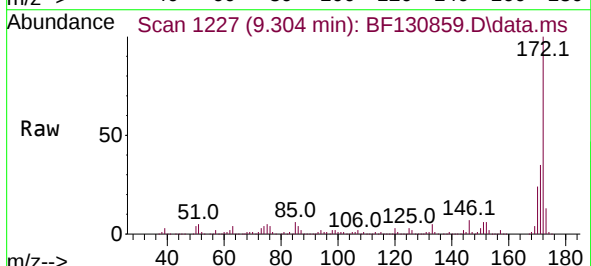
Tgt Ion:330 Resp: 98768
Ion Ratio Lower Upper
330 100
332 95.5 76.2 114.4
141 37.6 31.4 47.0

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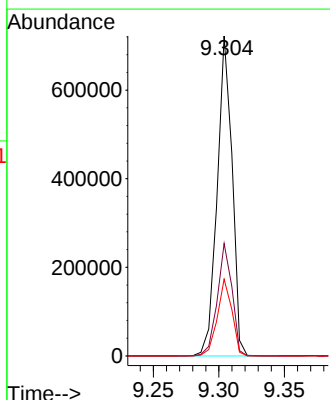
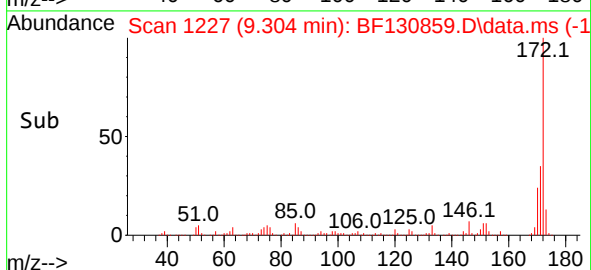
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

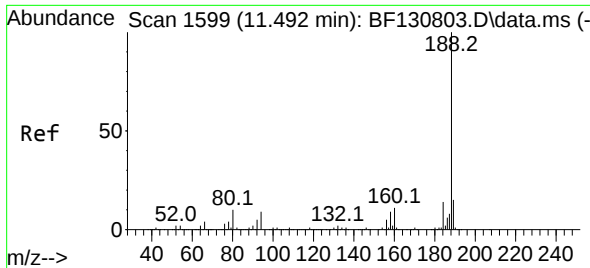


#45
2-Fluorobiphenyl
Concen: 71.694 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15



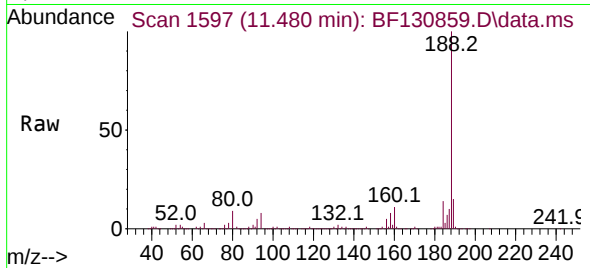
Tgt Ion:172 Resp: 572130
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 24.0 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1599
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

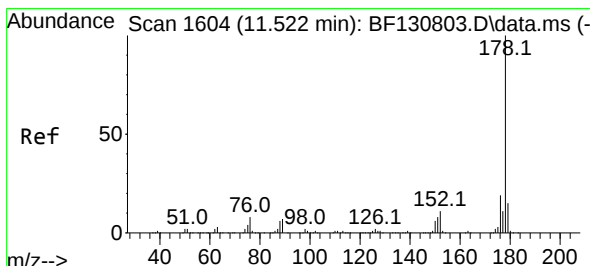
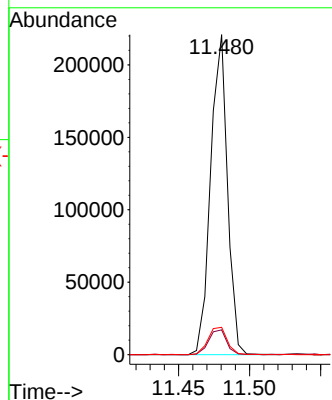
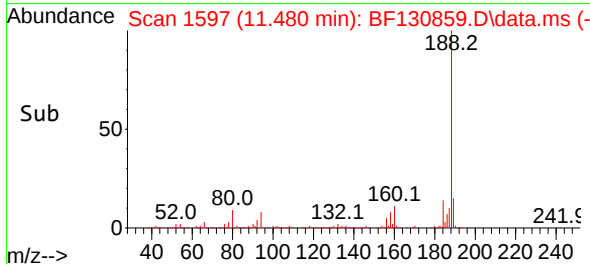
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502



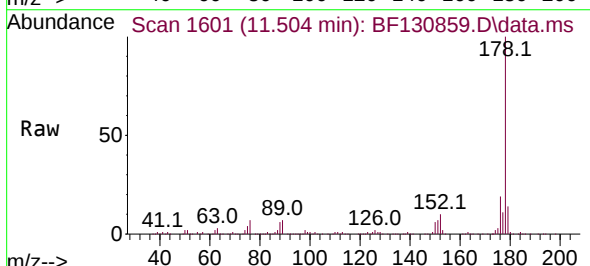
Tgt Ion:188 Resp: 181626
Ion Ratio Lower Upper
188 100
94 7.7 7.4 11.2
80 8.5 8.0 12.0

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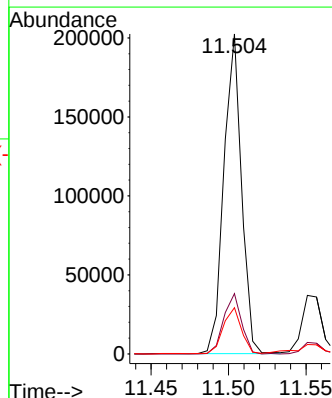
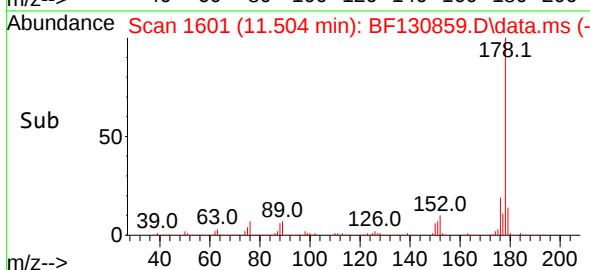
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

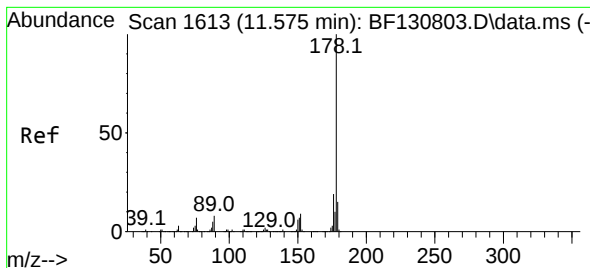


#71
Phenanthrene
Concen: 17.100 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15



Tgt Ion:178 Resp: 160304
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 14.4 12.2 18.2





#72

Anthracene

Concen: 3.448 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.012 min

Lab File: BF130859.D

Acq: 29 Oct 2022 16:15

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-RB21502

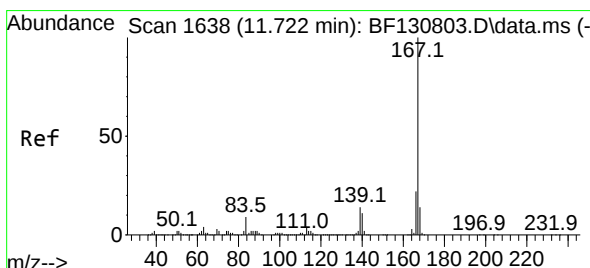
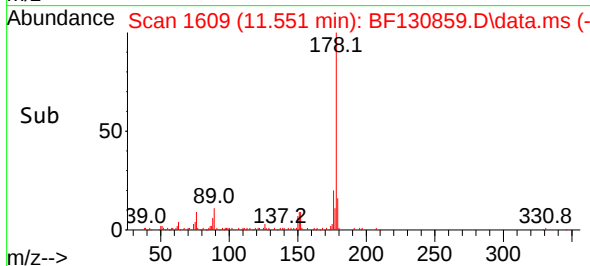
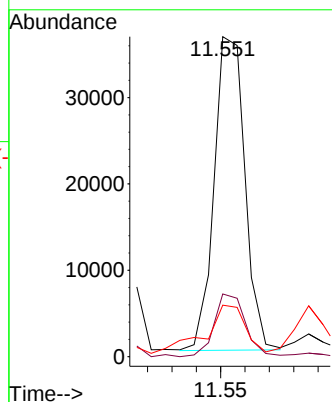
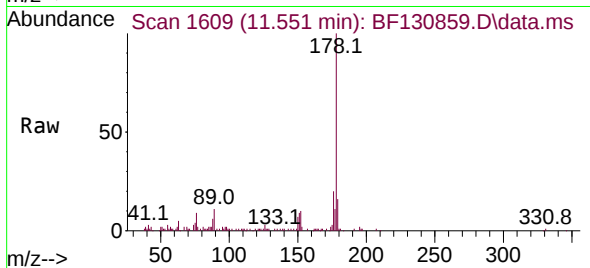
Tgt Ion:178	Resp:	31885
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.4 23.0
179	16.1	12.2 18.4

Manual Integrations

APPROVED

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Supervised By :Jagrut Upadhyay 11/01/2022



#73

Carbazole

Concen: 2.283 ng

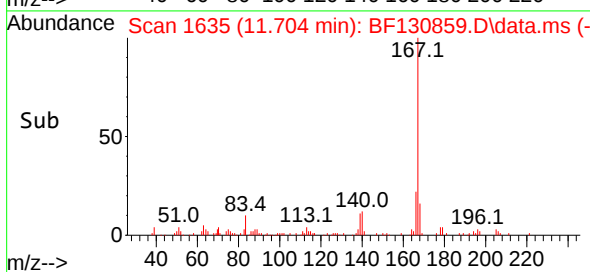
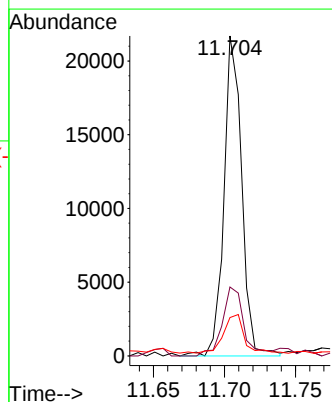
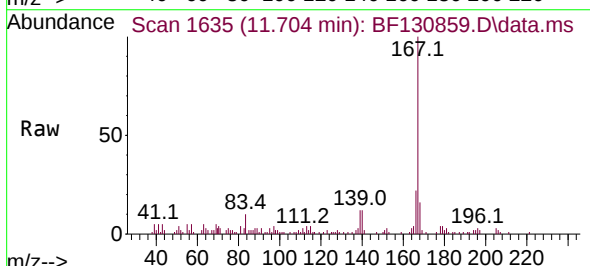
RT: 11.704 min Scan# 1635

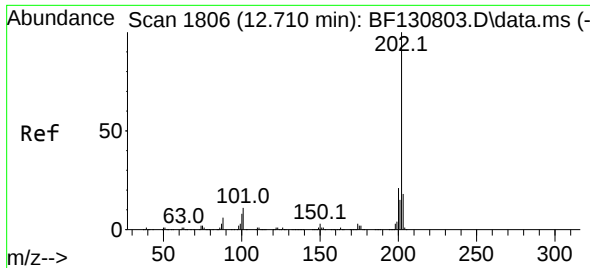
Delta R.T. -0.012 min

Lab File: BF130859.D

Acq: 29 Oct 2022 16:15

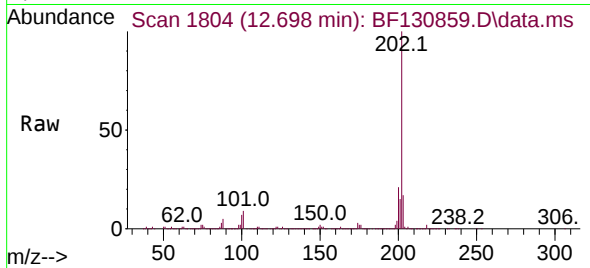
Tgt Ion:167	Resp:	18904
Ion Ratio	Lower	Upper
167	100	
166	21.5	17.4 26.0
139	12.0	11.3 16.9





#75
Fluoranthene
Concen: 37.116 ng
RT: 12.698 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

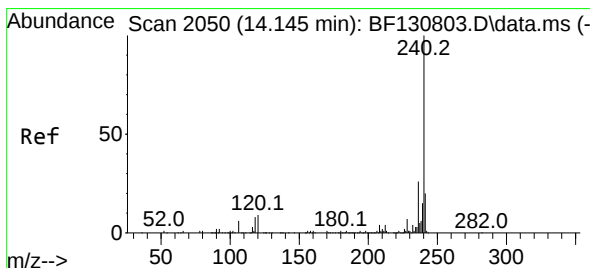
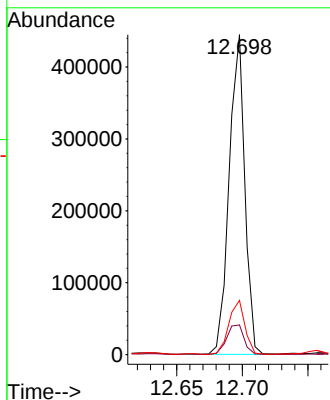
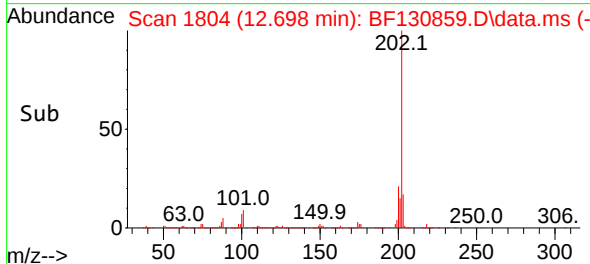
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502



Tgt Ion:202 Resp: 369684
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.9
203 16.9 0.0 37.7

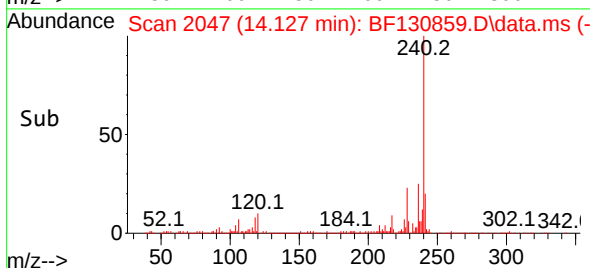
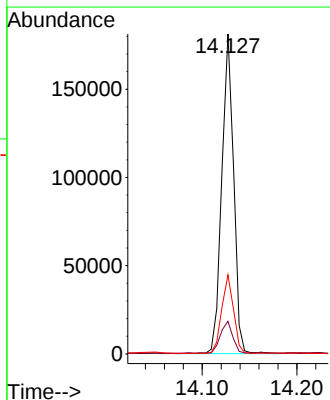
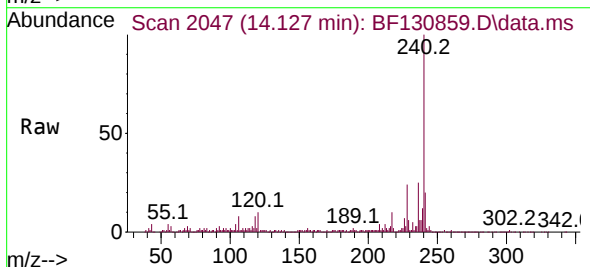
Manual Integrations
APPROVED

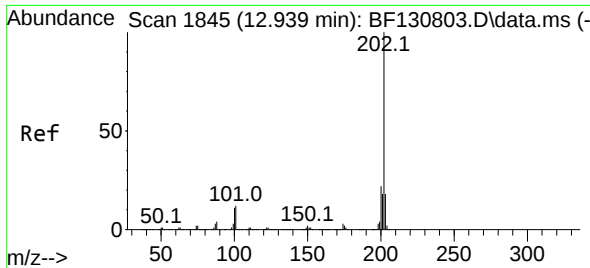
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

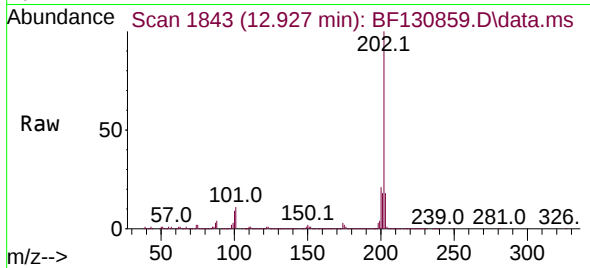
Tgt Ion:240 Resp: 156807
Ion Ratio Lower Upper
240 100
120 10.2 7.0 10.4
236 24.7 20.5 30.7





#78
Pyrene
Concen: 26.940 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

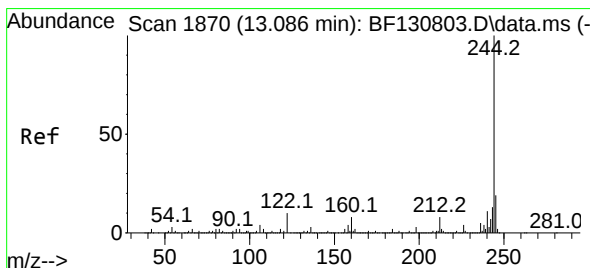
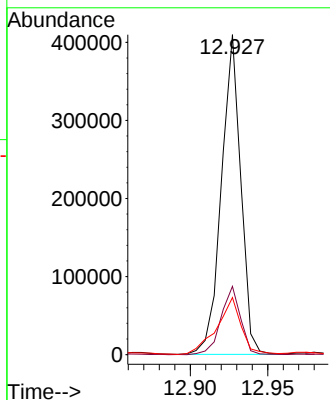
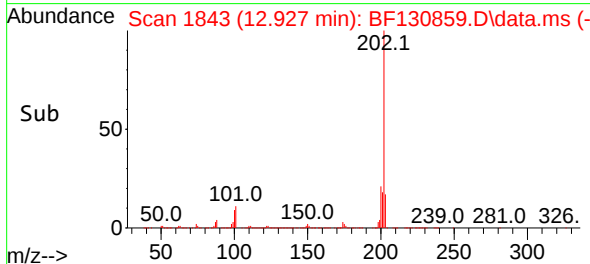
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502



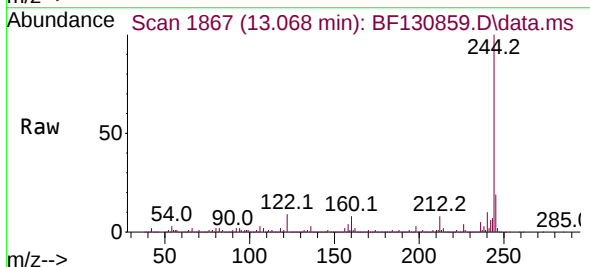
Tgt Ion:202 Resp: 356408
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.8 14.5 21.7

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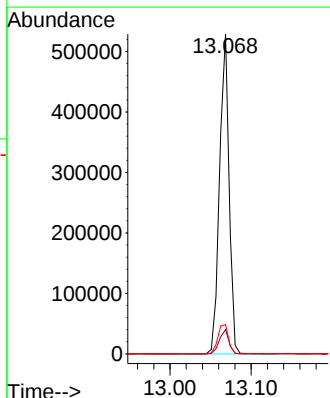
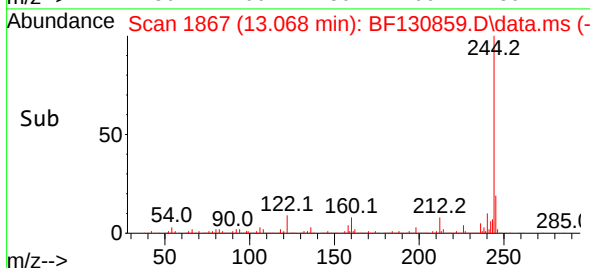
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

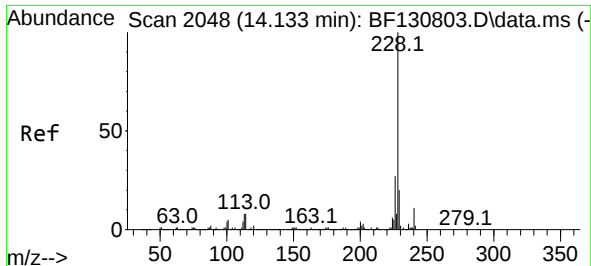


#79
Terphenyl-d14
Concen: 50.044 ng
RT: 13.068 min Scan# 1867
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15



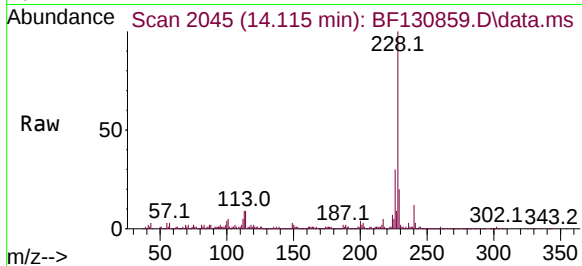
Tgt Ion:244 Resp: 428238
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 9.1 7.9 11.9





#81
Benzo(a)anthracene
Concen: 19.486 ng
RT: 14.115 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

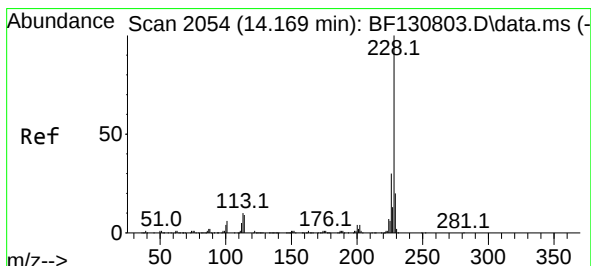
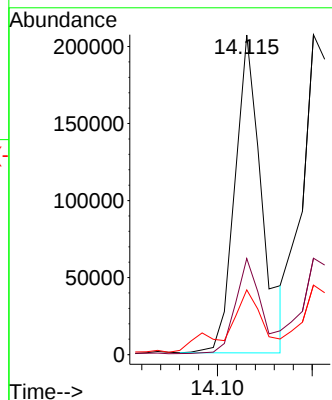
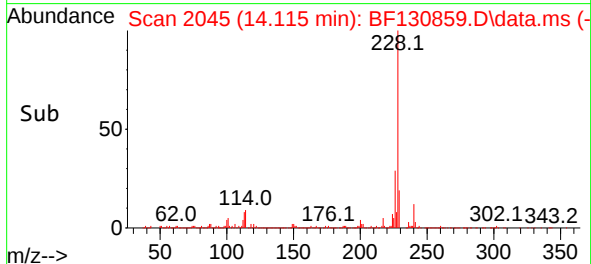
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502



Tgt Ion:228 Resp: 202572
Ion Ratio Lower Upper
228 100
226 30.1 21.4 32.2
229 20.3 15.8 23.6

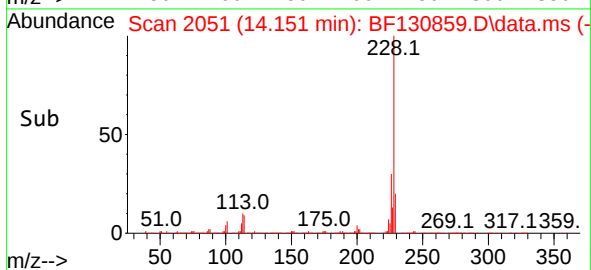
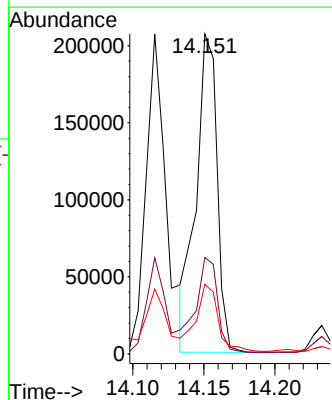
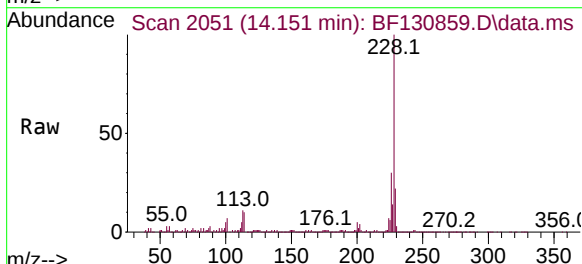
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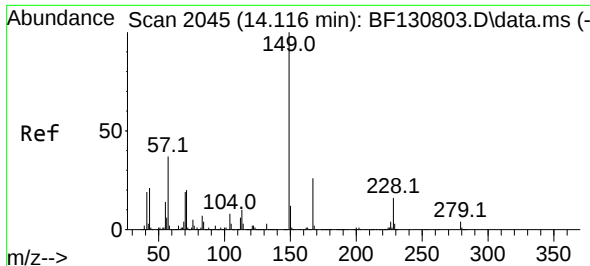
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#83
Chrysene
Concen: 21.256 ng
RT: 14.151 min Scan# 2051
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

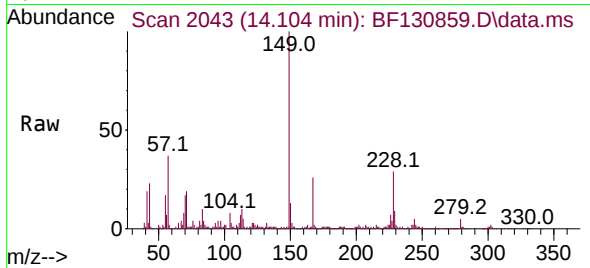
Tgt Ion:228 Resp: 213152
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 21.7 15.8 23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 13.731 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

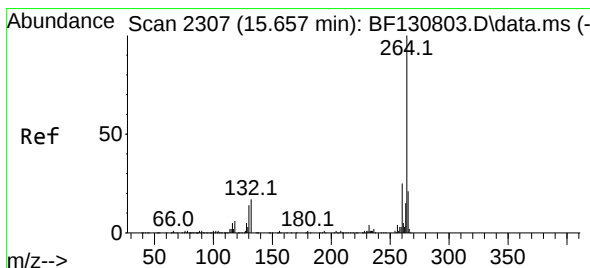
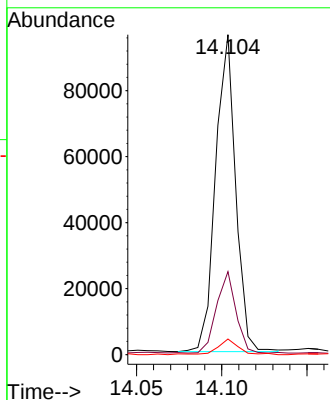
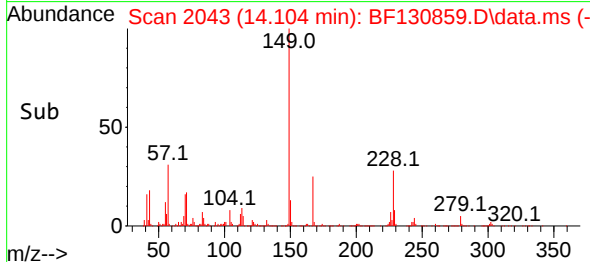
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502



Tgt Ion:149 Resp: 78579
Ion Ratio Lower Upper
149 100
167 25.9 21.0 31.4
279 4.9 3.0 4.6

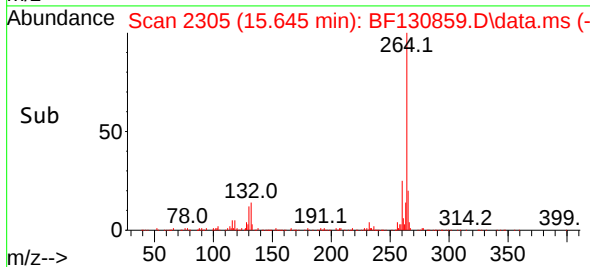
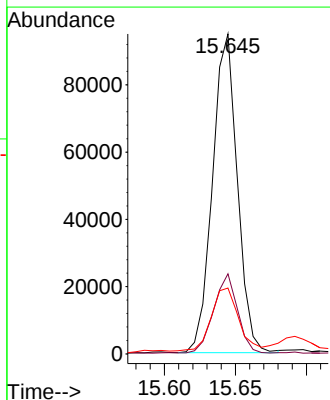
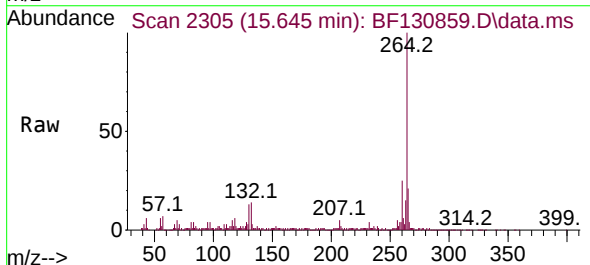
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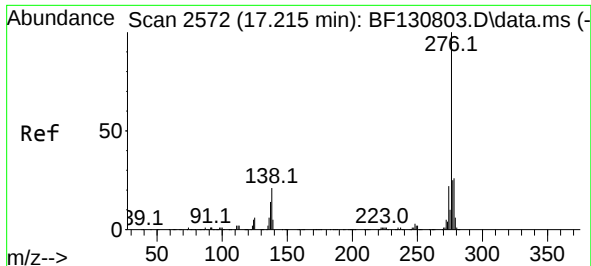
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2305
Delta R.T. -0.000 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

Tgt Ion:264 Resp: 115663
Ion Ratio Lower Upper
264 100
260 25.0 19.9 29.9
265 20.6 17.0 25.6





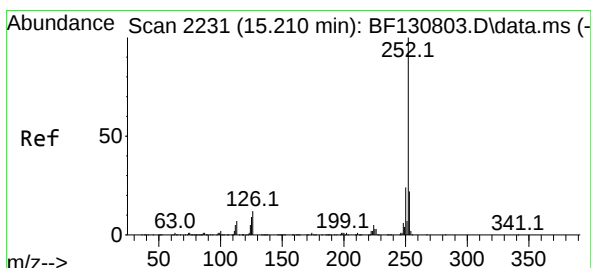
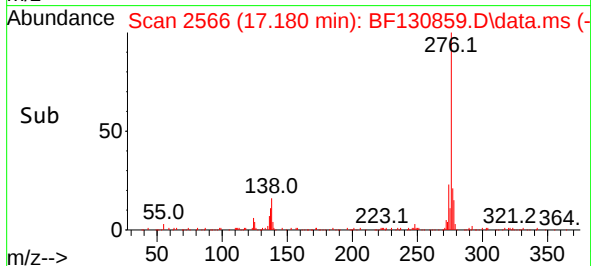
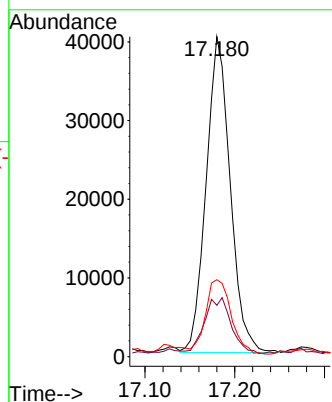
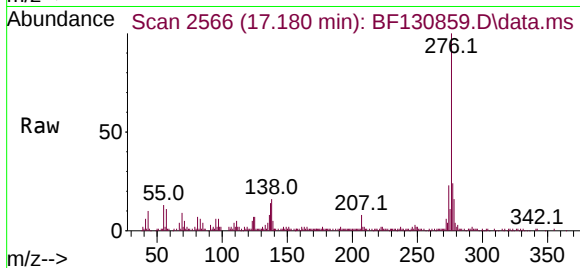
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.757 ng
RT: 17.180 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502

Tgt Ion:276 Resp: 74939
Ion Ratio Lower Upper
276 100
138 19.6 19.1 28.7
277 25.0 20.1 30.1

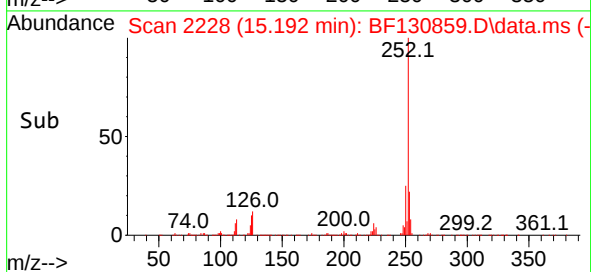
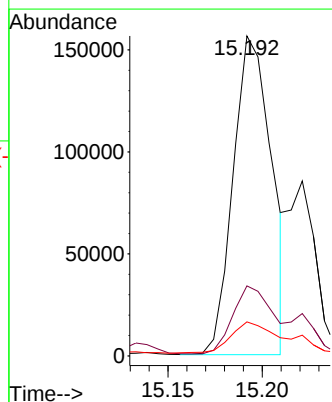
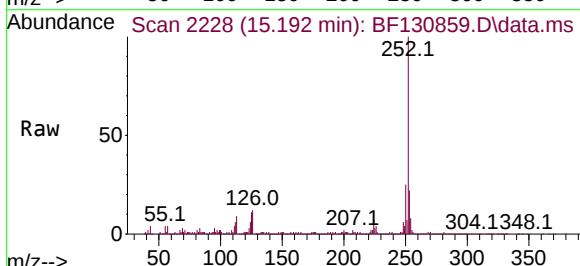
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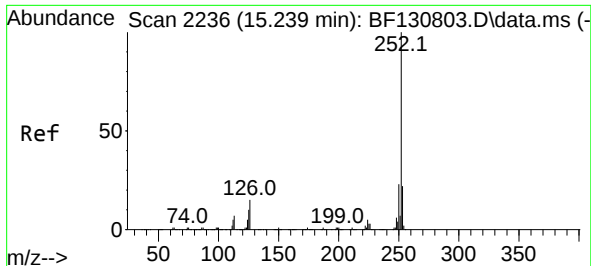
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#88
Benzo(b)fluoranthene
Concen: 29.685 ng m
RT: 15.192 min Scan# 2228
Delta R.T. -0.006 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

Tgt Ion:252 Resp: 221948
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.6 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 11.585 ng m

RT: 15.221 min Scan# 2233

Delta R.T. -0.006 min

Lab File: BF130859.D

Acq: 29 Oct 2022 16:15

Instrument :

BNA_F

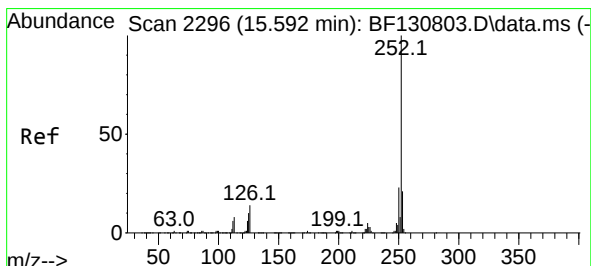
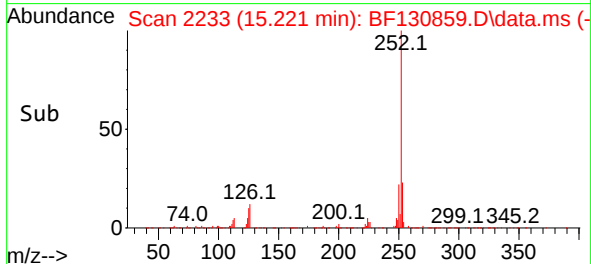
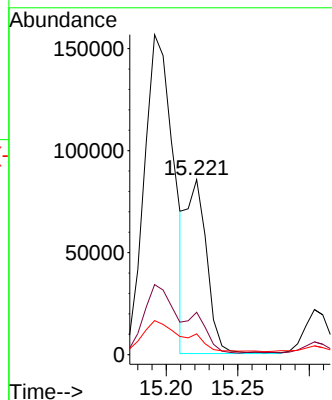
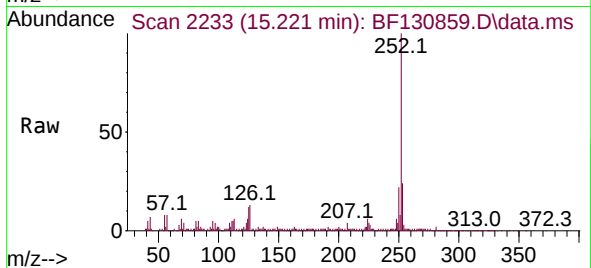
ClientSampleId :

ROLLOFF-RB21502

Tgt Ion:252 Resp: 84407
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.5 26.3
 125 11.9 8.0 12.0

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



#90

Benzo(a)pyrene

Concen: 21.112 ng

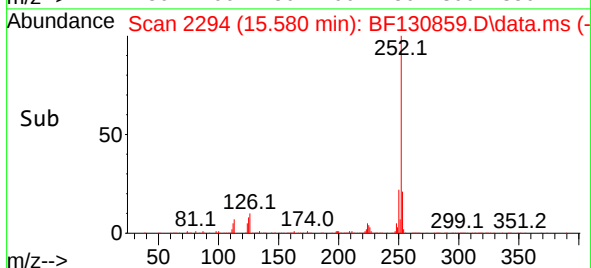
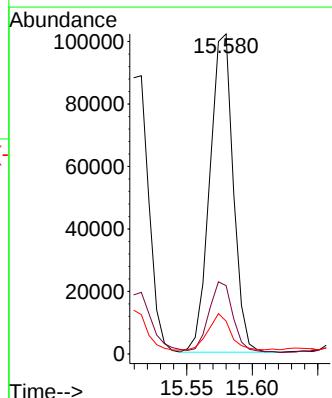
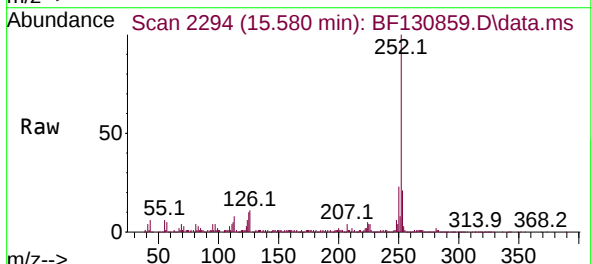
RT: 15.580 min Scan# 2294

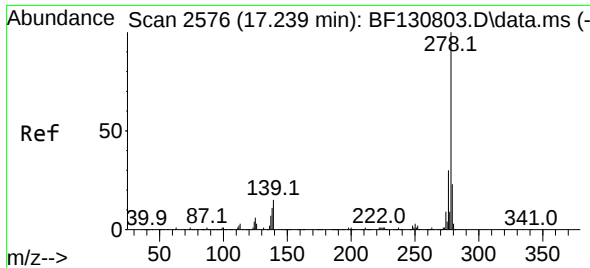
Delta R.T. -0.000 min

Lab File: BF130859.D

Acq: 29 Oct 2022 16:15

Tgt Ion:252 Resp: 126892
 Ion Ratio Lower Upper
 252 100
 253 21.3 16.8 25.2
 125 10.2 8.3 12.5





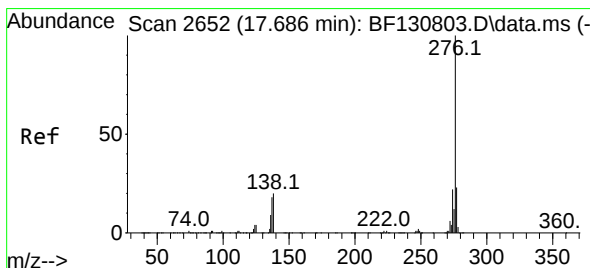
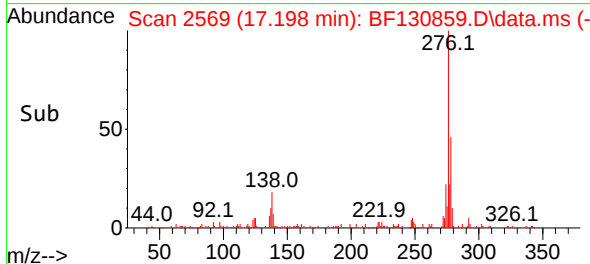
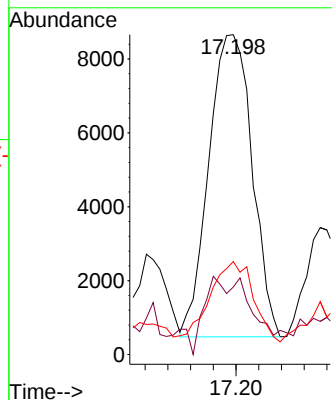
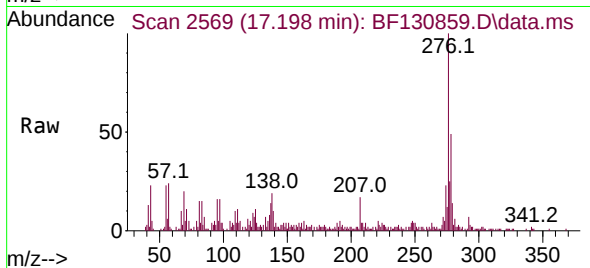
#91
Dibenzo(a,h)anthracene
Concen: 3.455 ng
RT: 17.198 min Scan# 2163
Delta R.T. -0.018 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-RB21502

Tgt Ion:278 Resp: 2163
Ion Ratio Lower Upper
278 100
139 21.1 11.9 17.9
279 29.1 18.6 28.0

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: 11.139 ng
RT: 17.656 min Scan# 2647
Delta R.T. -0.012 min
Lab File: BF130859.D
Acq: 29 Oct 2022 16:15

Tgt Ion:276 Resp: 71158
Ion Ratio Lower Upper
276 100
277 24.4 18.8 28.2
138 16.8 16.3 24.5

