

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122122\
 Data File : BF131767.D
 Acq On : 22 Dec 2022 02:40
 Operator : CG\JU
 Sample : N6161-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N40305

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/22/2022
 Supervised By : Jagrut Upadhyay 12/22/2022

Quant Time: Dec 22 05:54:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 03:12:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	81567	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	291604	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	168488	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	326803	20.000	ng	0.00
76) Chrysene-d12	14.057	240	192283	20.000	ng	0.00
86) Perylene-d12	15.557	264	171467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	579051	119.541	ng	0.00
7) Phenol-d6	6.492	99	762899	117.012	ng	-0.01
23) Nitrobenzene-d5	7.434	82	528236	73.539	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	214599	116.366	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	812267	67.533	ng	0.00
79) Terphenyl-d14	13.004	244	795311	64.463	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.175	128	38380	2.410	ng	98
52) Acenaphthene	9.945	154	60616	6.357	ng	99
55) Dibenzofuran	10.116	168	38604	2.640	ng	97
58) Fluorene	10.463	166	46684	3.949	ng	95
71) Phenanthrene	11.433	178	368631	20.686	ng	99
72) Anthracene	11.480	178	97043	5.562	ng	99
73) Carbazole	11.639	167	54169	3.588	ng	99
75) Fluoranthene	12.627	202	455490	22.951	ng	100
78) Pyrene	12.857	202	359070	20.539	ng	100
81) Benzo(a)anthracene	14.045	228	138442	9.997	ng	99
83) Chrysene	14.086	228	118112	9.036	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	44601	3.873	ng	98
88) Benzo(b)fluoranthene	15.115	252	123786m	10.204	ng	
89) Benzo(k)fluoranthene	15.139	252	33541m	2.833	ng	
90) Benzo(a)pyrene	15.486	252	83204	8.659	ng	99
92) Benzo(g,h,i)perylene	17.509	276	45925	4.882	ng	97

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

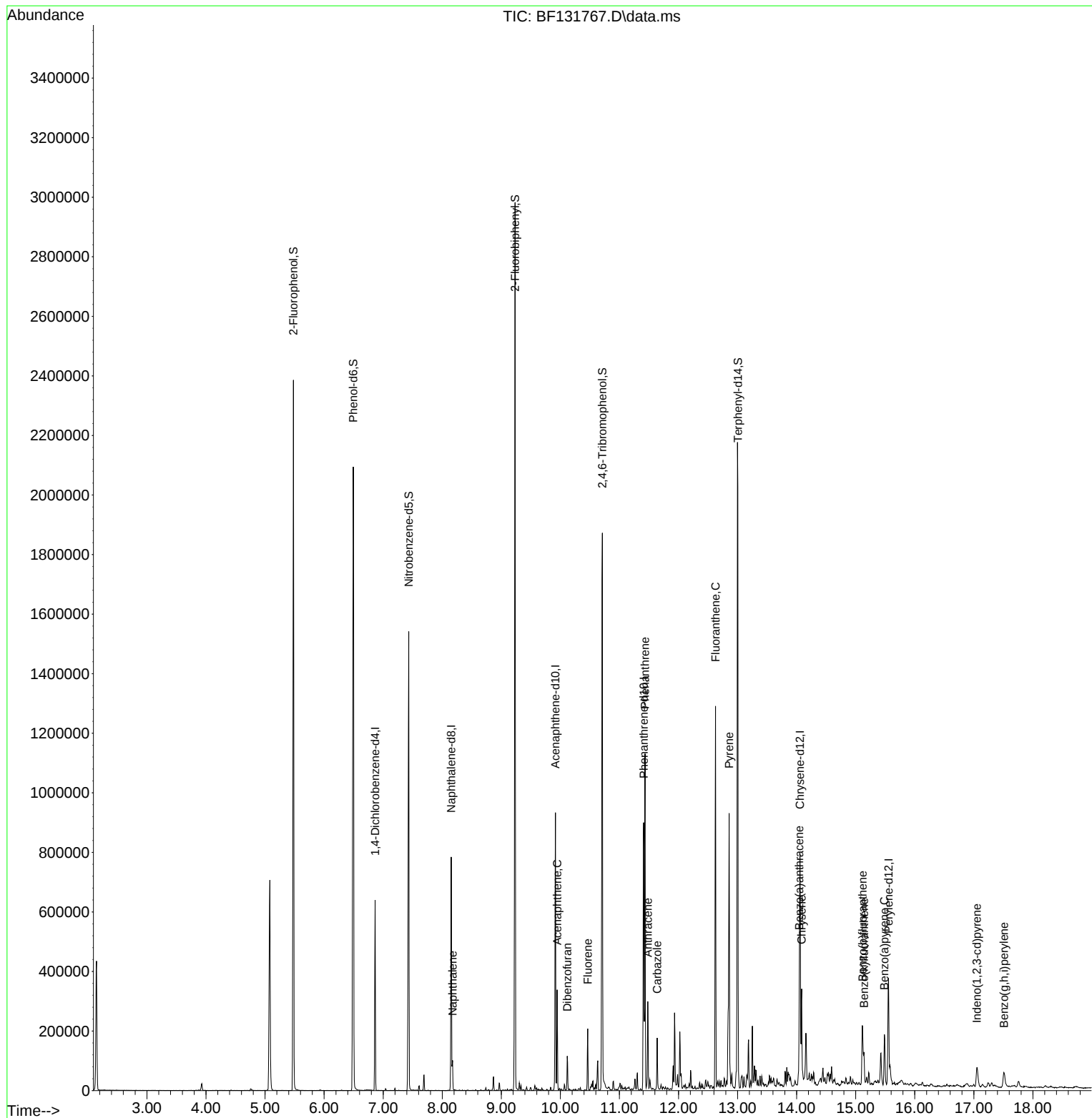
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122122\
Data File : BF131767.D
Acq On : 22 Dec 2022 02:40
Operator : CG\JU
Sample : N6161-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

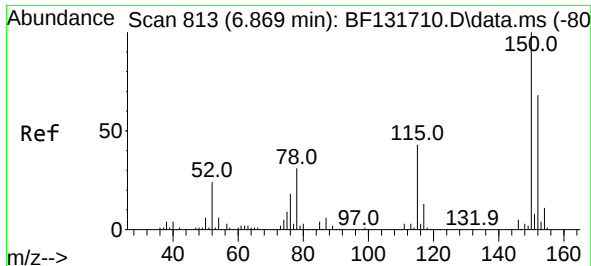
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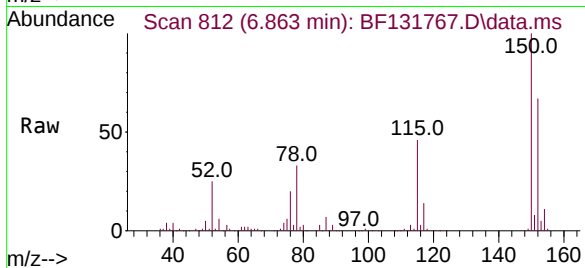
Quant Time: Dec 22 05:54:21 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 03:12:37 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

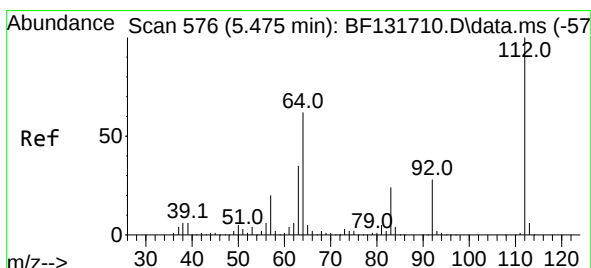
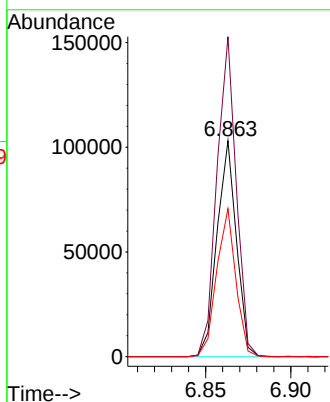
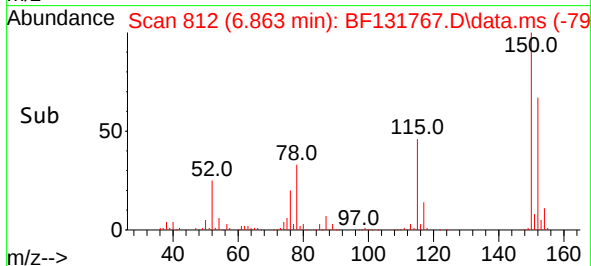
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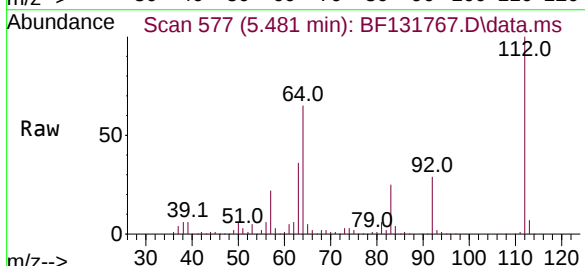
Tgt Ion:152 Resp: 81562
Ion Ratio Lower Upper
152 100
150 148.2 117.4 176.0
115 68.5 50.2 75.4

Manual Integrations
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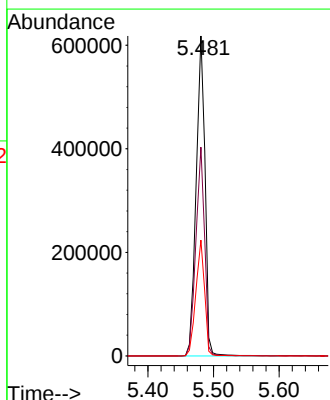
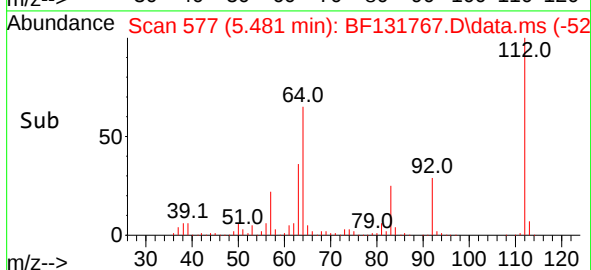
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :Jagrut Upadhyay 12/22/2022

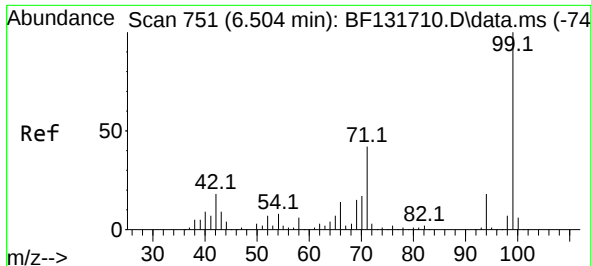


#5
2-Fluorophenol
Concen: 119.541 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40



Tgt Ion:112 Resp: 579051
Ion Ratio Lower Upper
112 100
64 65.2 49.5 74.3
63 36.2 28.2 42.2





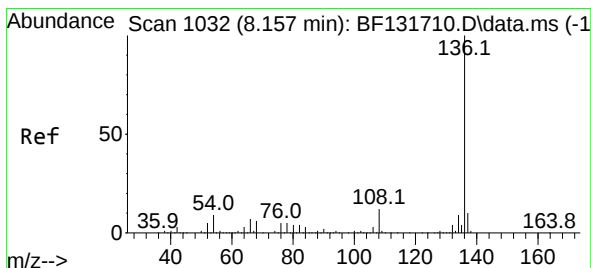
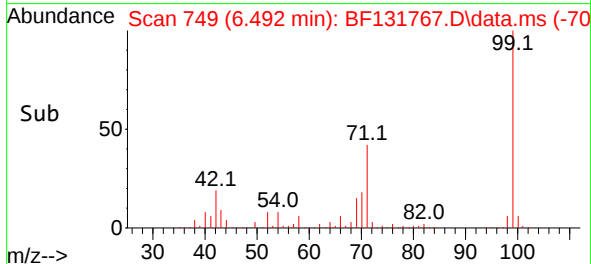
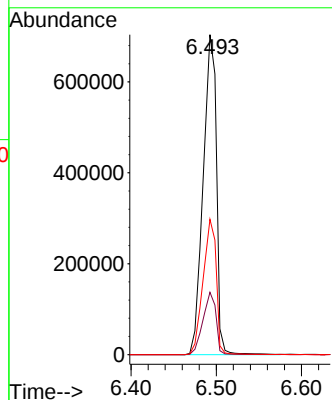
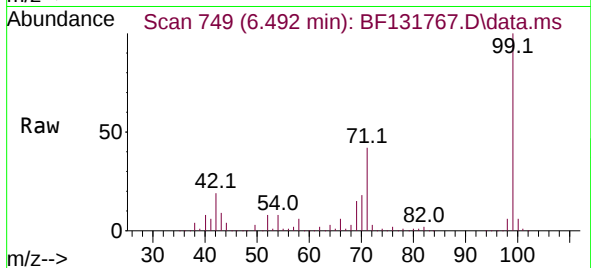
#7
Phenol-d6
Concen: 117.012 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Instrument :
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ClientSampleId :
N40305

Tgt Ion: 99 Resp: 762899
Ion Ratio Lower Upper
99 100
42 19.5 14.8 22.2
71 42.3 33.8 50.6

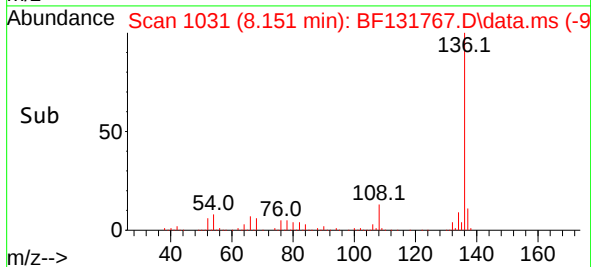
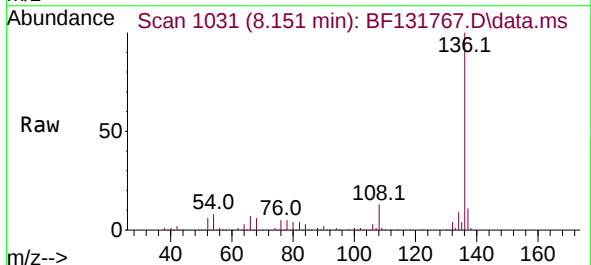
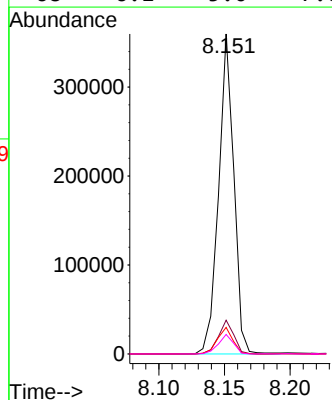
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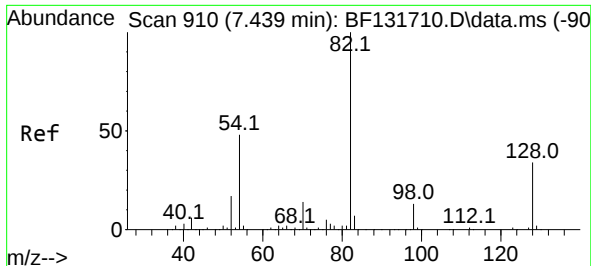
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :Jagrut Upadhyay 12/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Tgt Ion:136 Resp: 291604
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 8.3 7.2 10.8
68 6.1 5.0 7.6





#23

Nitrobenzene-d5

Concen: 73.539 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

Instrument :

BNA_F

ClientSampleId :

N40305

Tgt Ion: 82 Resp: 528236

Ion Ratio Lower Upper

82 100

128 34.4 27.3 40.9

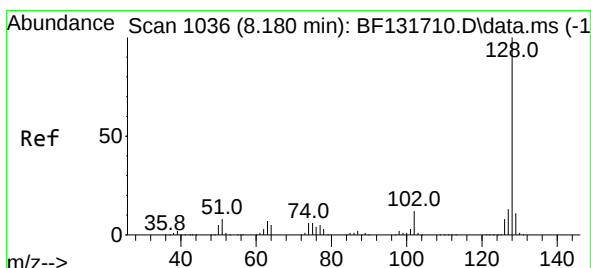
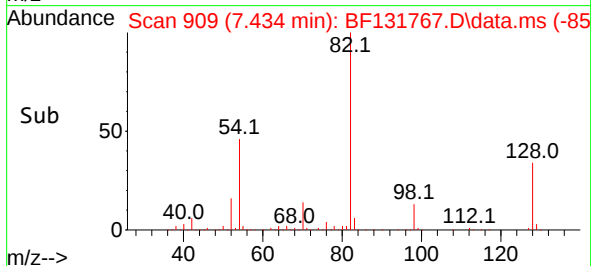
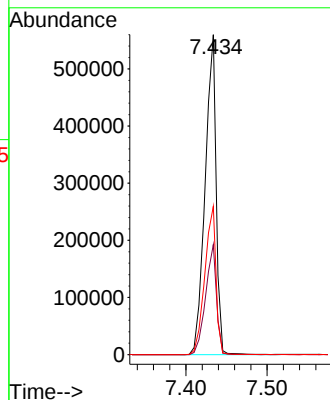
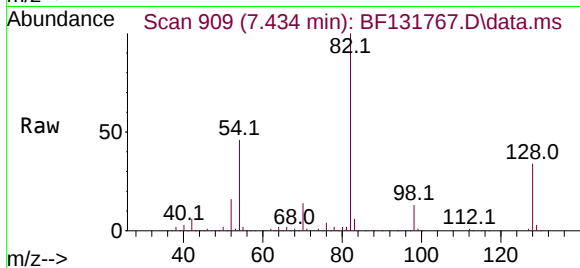
54 46.3 38.2 57.2

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#31

Naphthalene

Concen: 2.410 ng

RT: 8.175 min Scan# 1035

Delta R.T. -0.006 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

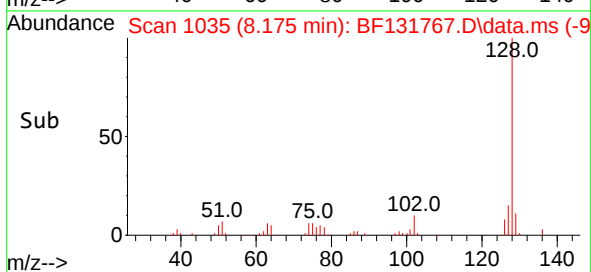
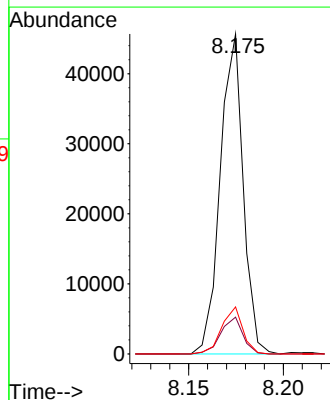
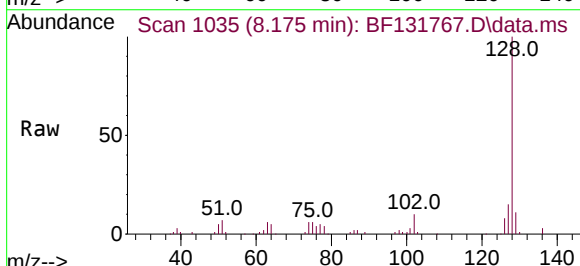
Tgt Ion:128 Resp: 38380

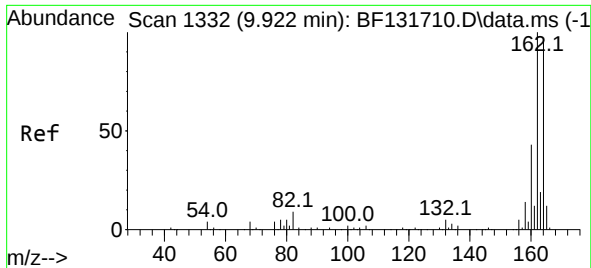
Ion Ratio Lower Upper

128 100

129 11.5 8.9 13.3

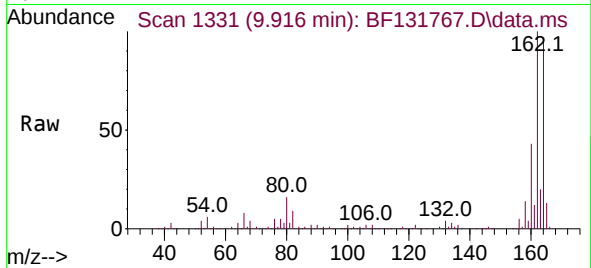
127 14.7 10.6 15.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

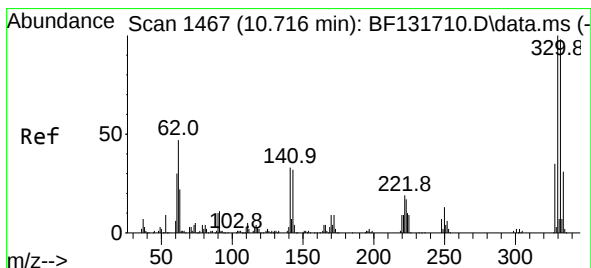
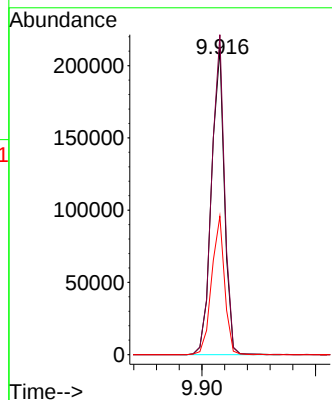
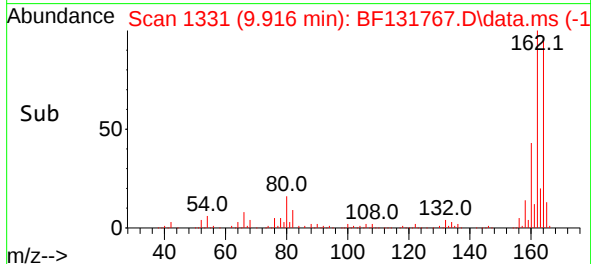
Instrument :
BNA_F
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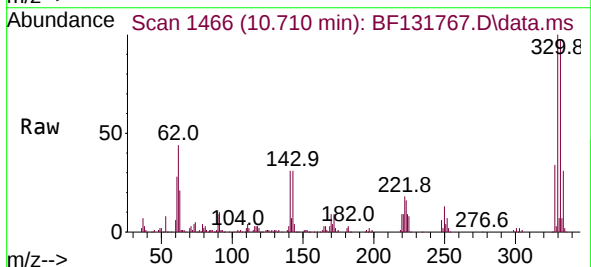
Tgt Ion:164 Resp: 168488
Ion Ratio Lower Upper
164 100
162 104.8 83.7 125.5
160 45.3 36.2 54.4

Manual Integrations
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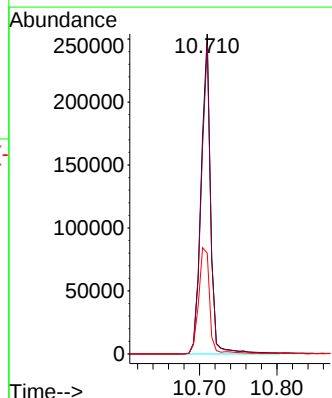
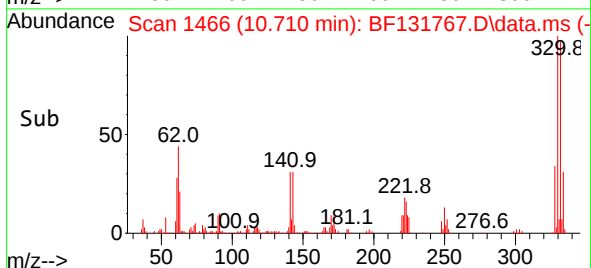
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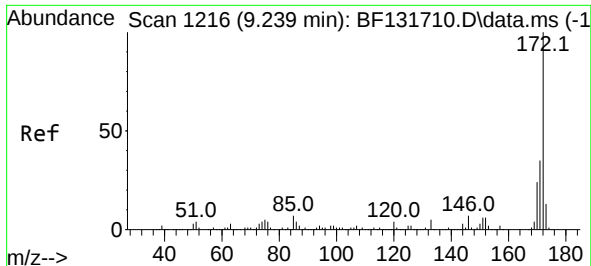


#42
2,4,6-Tribromophenol
Concen: 116.366 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40



Tgt Ion:330 Resp: 214599
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 38.9 30.4 45.6





#45

2-Fluorobiphenyl

Concen: 67.533 ng

RT: 9.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

Instrument :

BNA_F

ClientSampleId :

N40305

Tgt Ion:172 Resp: 81226

Ion Ratio Lower Upper

172 100

171 35.1 27.9 41.9

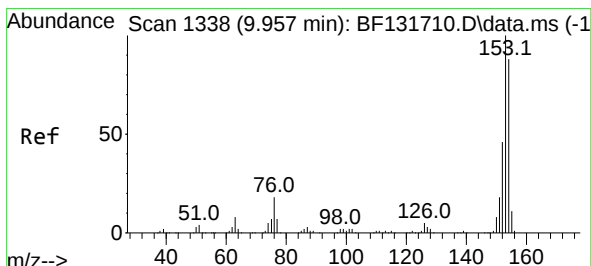
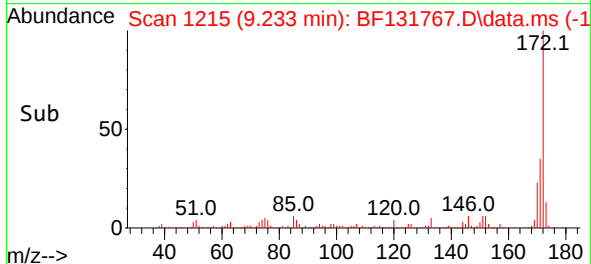
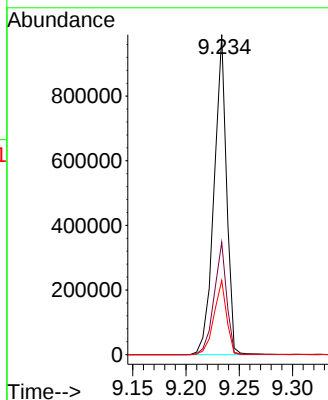
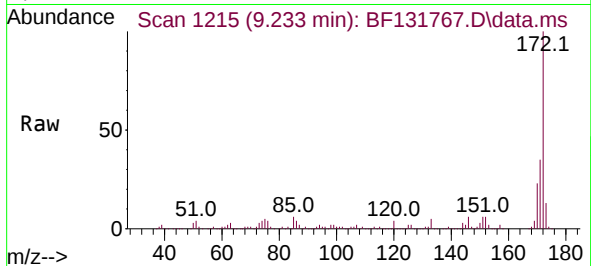
170 23.2 19.0 28.4

Manual Integrations

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#52

Acenaphthene

Concen: 6.357 ng

RT: 9.945 min Scan# 1336

Delta R.T. -0.012 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

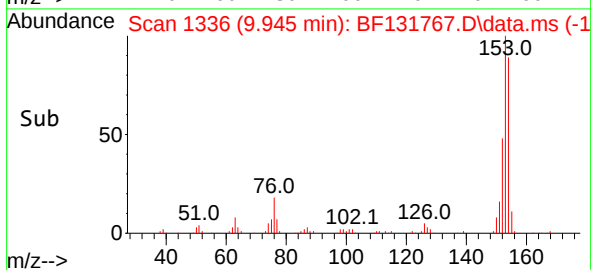
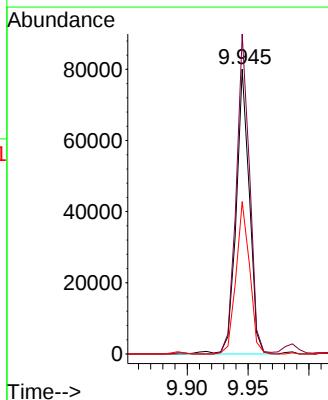
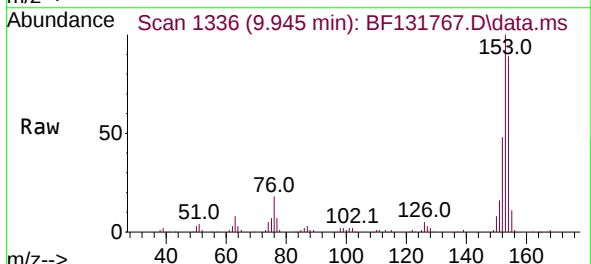
Tgt Ion:154 Resp: 60616

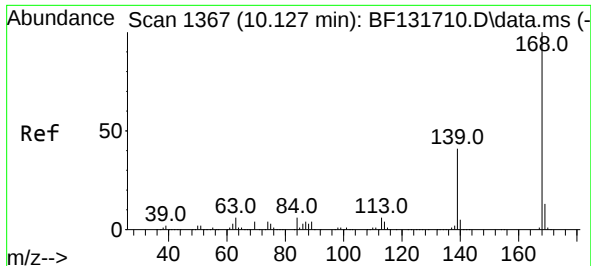
Ion Ratio Lower Upper

154 100

153 112.4 90.4 135.6

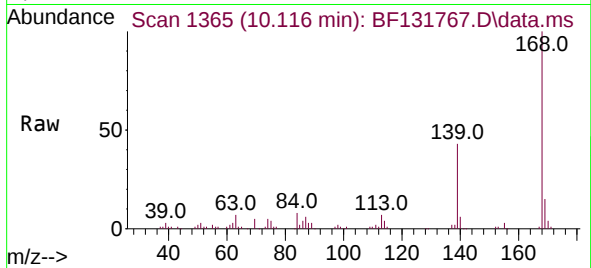
152 53.5 42.0 63.0





#55
Dibenzenofuran
Concen: 2.640 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.012 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

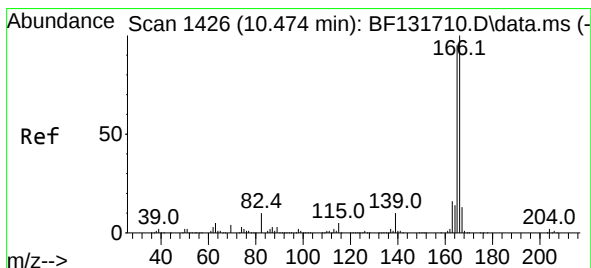
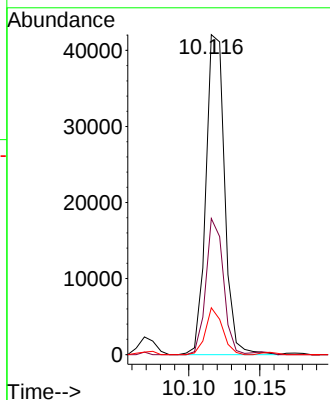
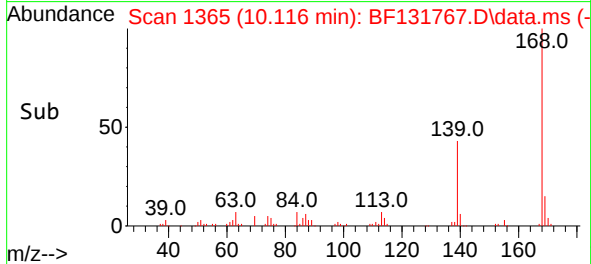
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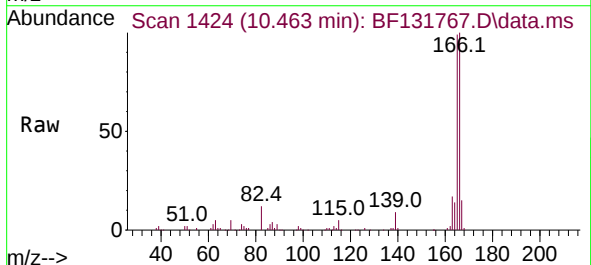
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Ion Ratio Lower Upper
168 100
139 42.5 32.7 49.1
169 14.6 10.6 16.0

Manual Integrations
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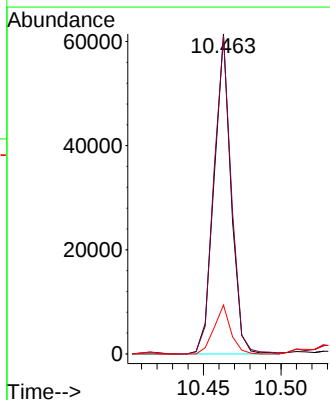
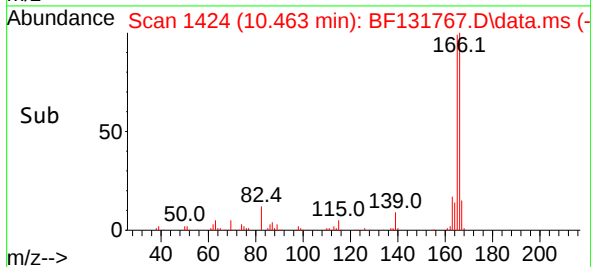
Reviewed By :Christian Giraldo 12/22/2022
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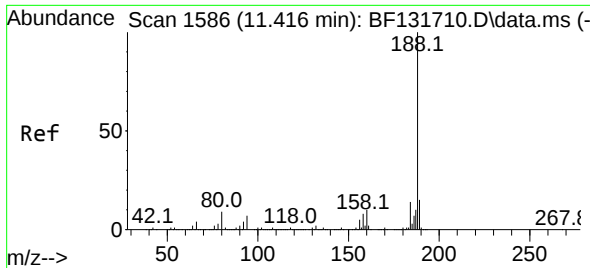


#58
Fluorene
Concen: 3.949 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40



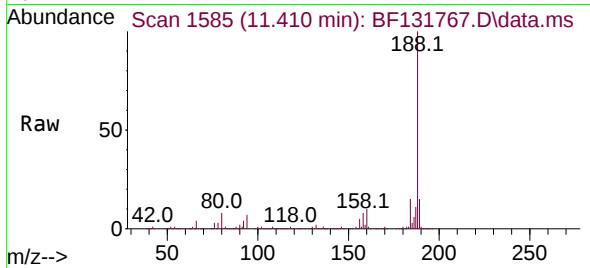
Tgt Ion:166 Resp: 46684
Ion Ratio Lower Upper
166 100
165 99.3 75.8 113.8
167 15.3 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

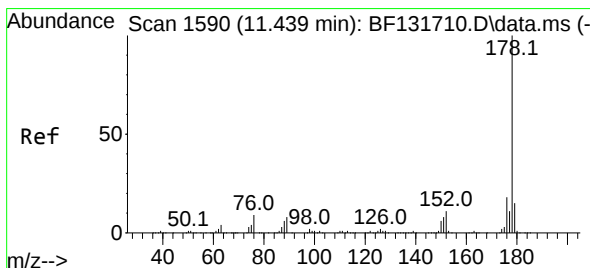
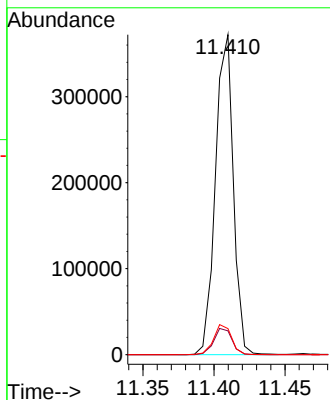
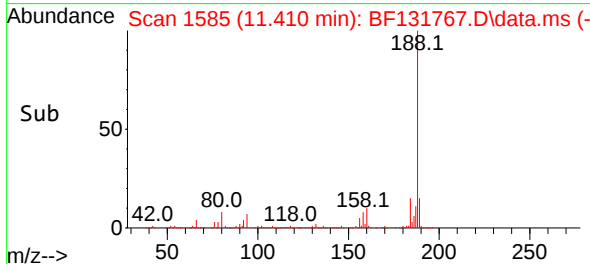
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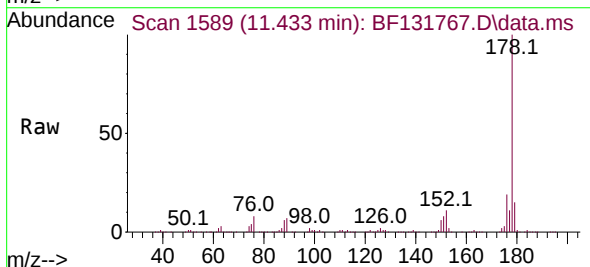
Tgt Ion:188 Resp: 326803
Ion Ratio Lower Upper
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94 7.4 5.9 8.9
80 8.1 7.0 10.6

Manual Integrations
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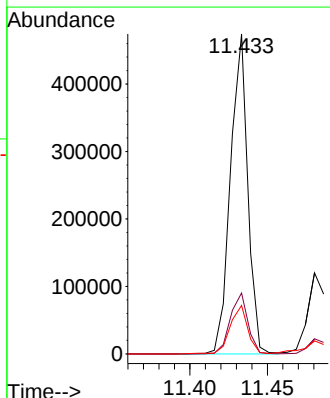
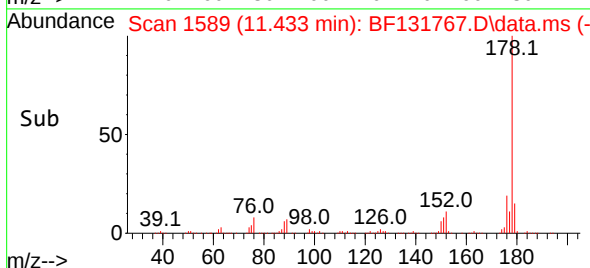
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :Jagrut Upadhyay 12/22/2022

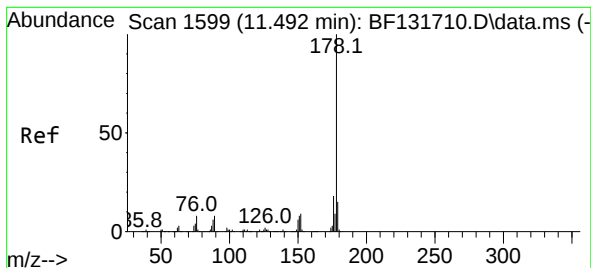


#71
Phenanthrene
Concen: 20.686 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40



Tgt Ion:178 Resp: 368631
Ion Ratio Lower Upper
178 100
176 19.1 14.8 22.2
179 15.1 12.2 18.4





#72

Anthracene

Concen: 5.562 ng

RT: 11.480 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

Instrument :

BNA_F

ClientSampleId :

N40305

Tgt Ion:178 Resp: 97043

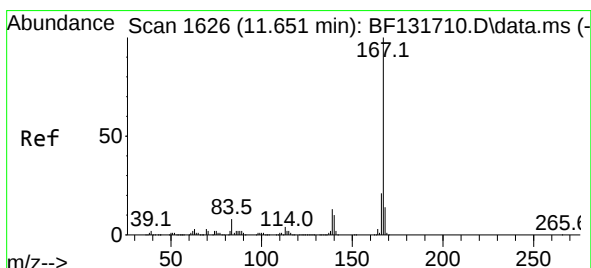
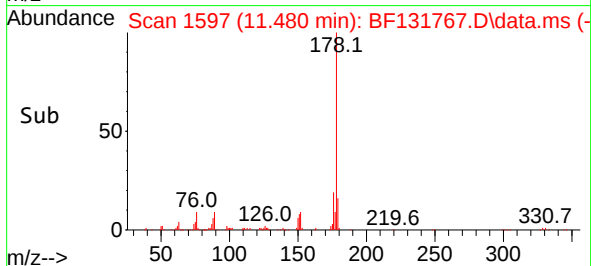
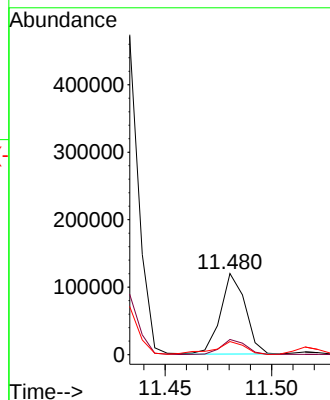
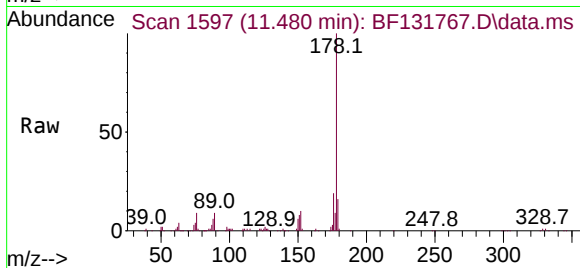
Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	16.1	12.2	18.4

Manual Integrations

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Reviewed By :Christian Giraldo 12/22/2022

Supervised By :Jagrut Upadhyay 12/22/2022



#73

Carbazole

Concen: 3.588 ng

RT: 11.639 min Scan# 1624

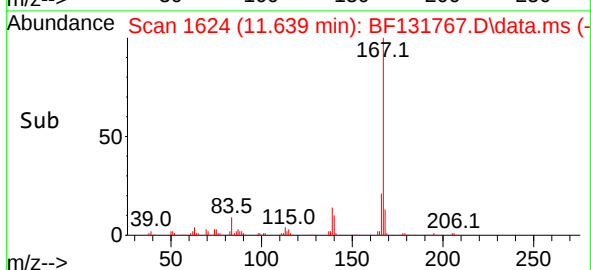
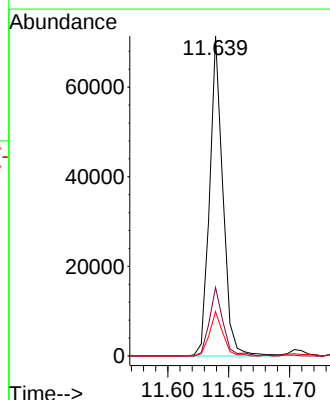
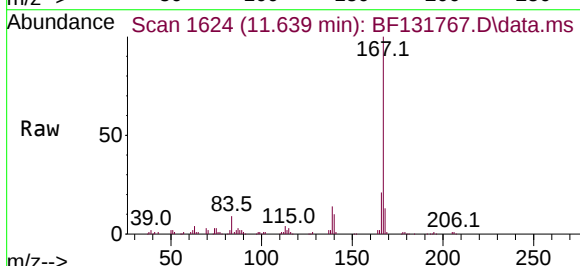
Delta R.T. -0.012 min

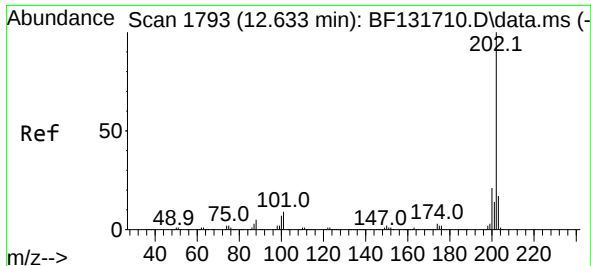
Lab File: BF131767.D

Acq: 22 Dec 2022 02:40

Tgt Ion:167 Resp: 54169

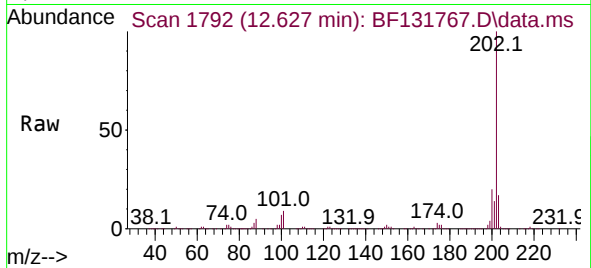
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.1	25.7
139	13.8	10.5	15.7





#75
Fluoranthene
Concen: 22.951 ng
RT: 12.627 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

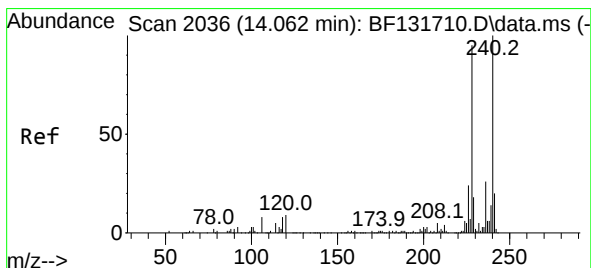
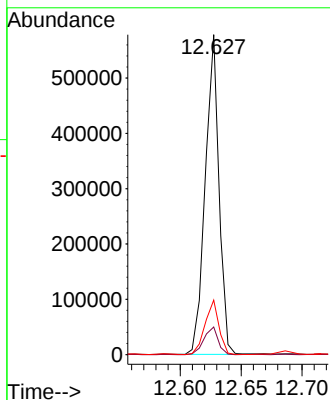
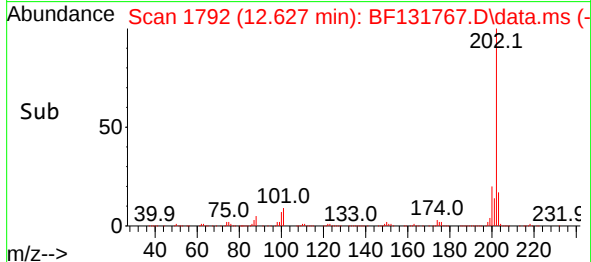
Instrument :
BNA_F
ClientSampleId :
N40305



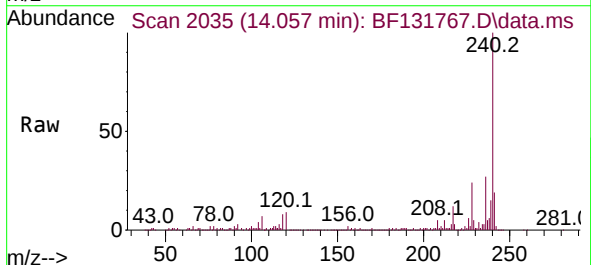
Tgt Ion:202 Resp: 455490
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.8
203 17.0 0.0 37.1

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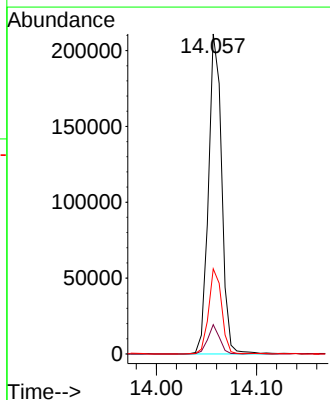
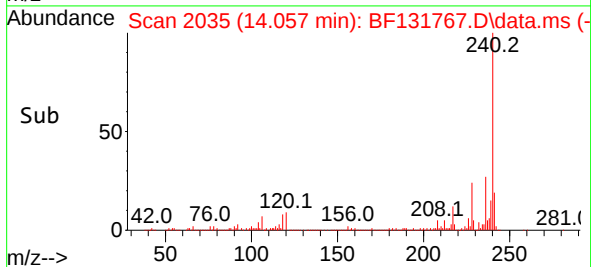
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :Jagrut Upadhyay 12/22/2022

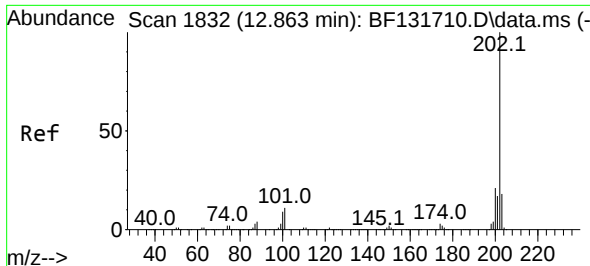


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40



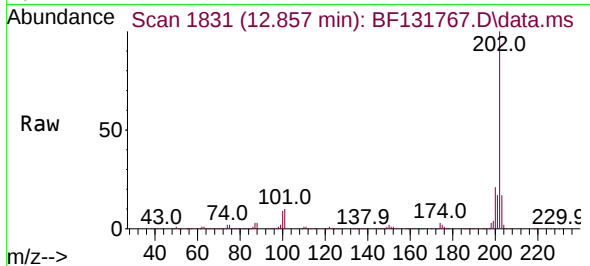
Tgt Ion:240 Resp: 192283
Ion Ratio Lower Upper
240 100
120 9.1 7.6 11.4
236 26.6 21.2 31.8





#78
Pyrene
Concen: 20.539 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

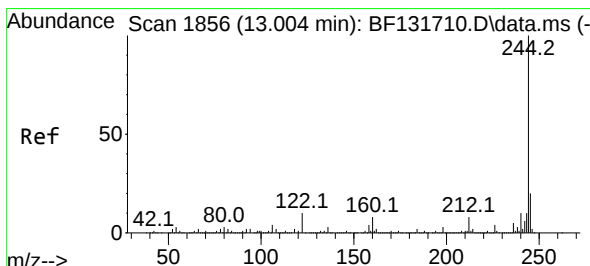
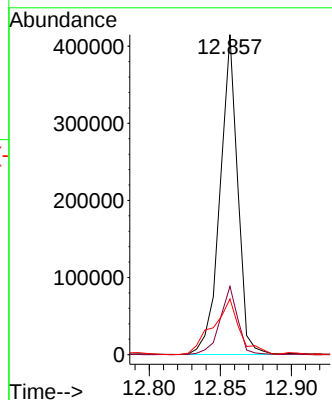
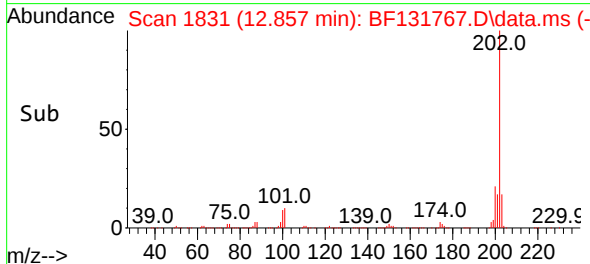
Instrument :
BNA_F
ClientSampleId :
N40305



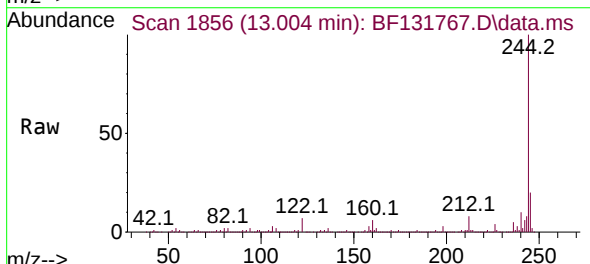
Tgt Ion:202 Resp: 359076
Ion Ratio Lower Upper
202 100
200 21.3 17.1 25.7
203 17.4 14.1 21.1

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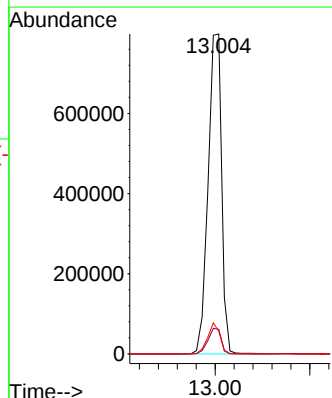
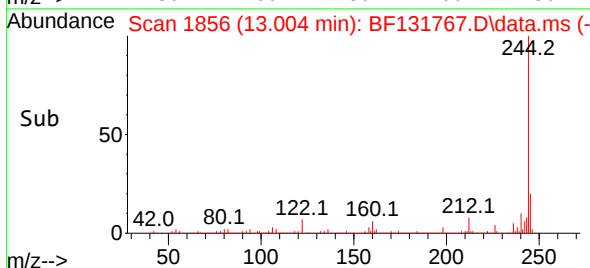
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :Jagrut Upadhyay 12/22/2022

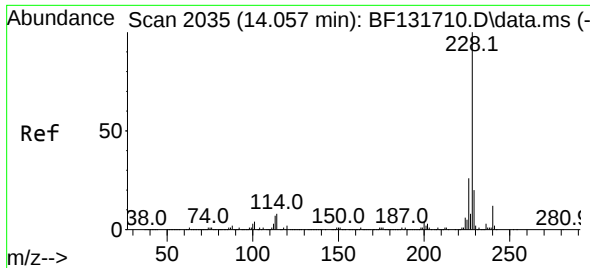


#79
Terphenyl-d14
Concen: 64.463 ng
RT: 13.004 min Scan# 1856
Delta R.T. 0.000 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40



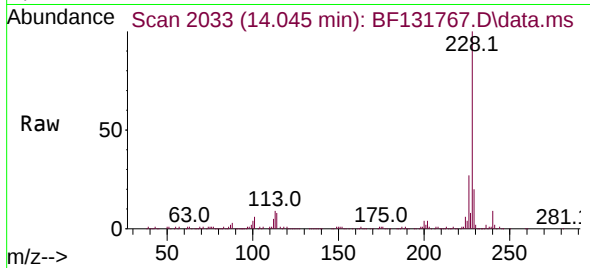
Tgt Ion:244 Resp: 795311
Ion Ratio Lower Upper
244 100
212 7.7 6.5 9.7
122 7.1 7.7 11.5#





#81
Benzo(a)anthracene
Concen: 9.997 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

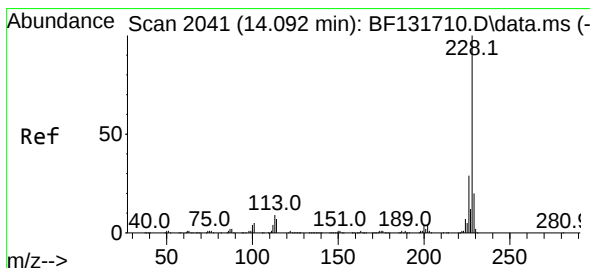
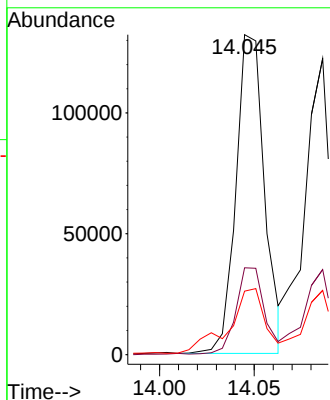
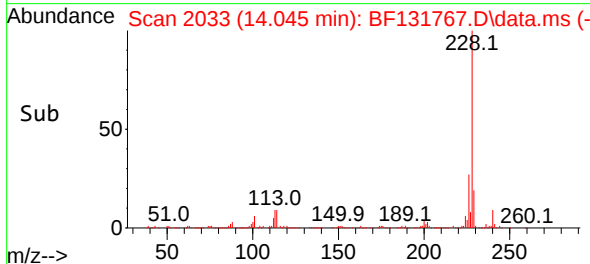
Instrument :
BNA_F
ClientSampleId :
N40305



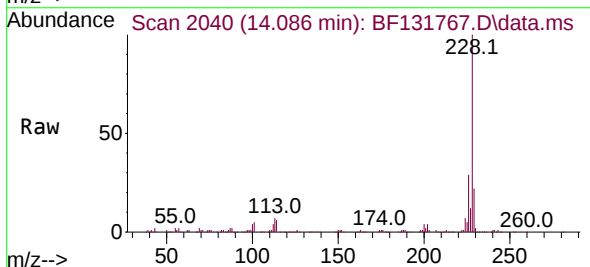
Tgt Ion:228 Resp: 138442
Ion Ratio Lower Upper
228 100
226 27.2 21.0 31.4
229 19.8 15.8 23.8

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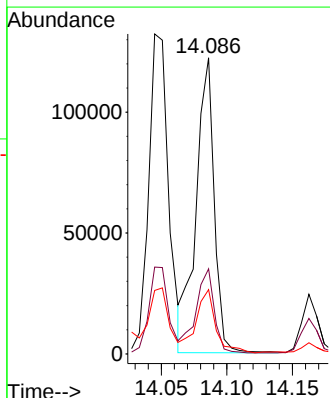
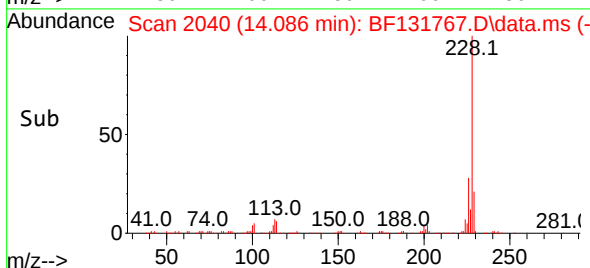
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :Jagrut Upadhyay 12/22/2022

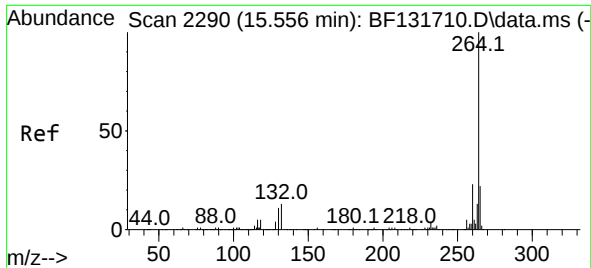


#83
Chrysene
Concen: 9.036 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40



Tgt Ion:228 Resp: 118112
Ion Ratio Lower Upper
228 100
226 28.7 23.5 35.3
229 21.7 15.6 23.4





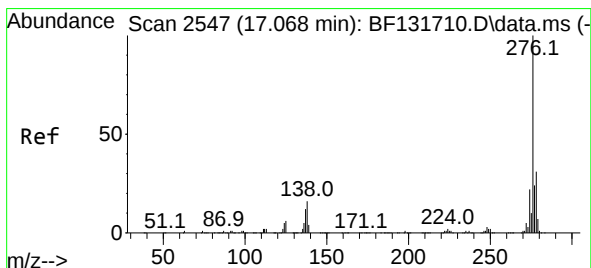
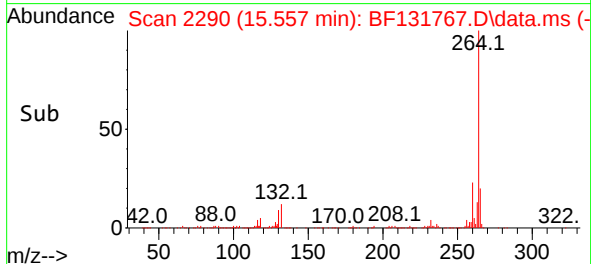
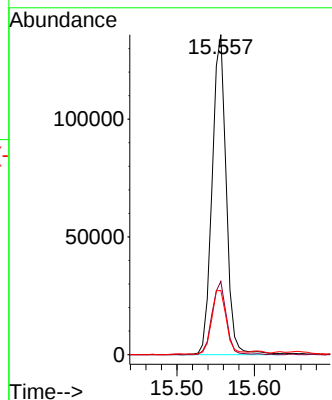
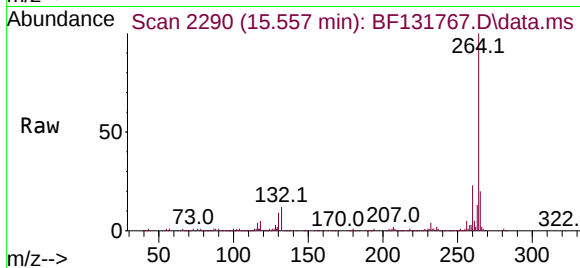
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

Instrument :
BNA_F
ClientSampleId :
N40305

Tgt Ion:264 Resp: 171462
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 20.0 17.4 26.2

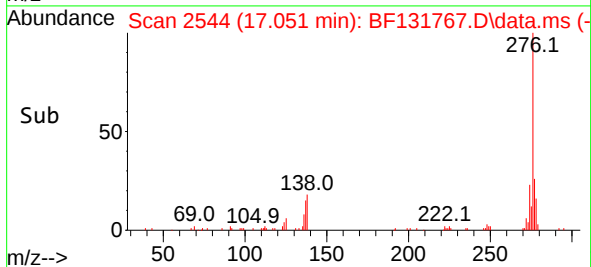
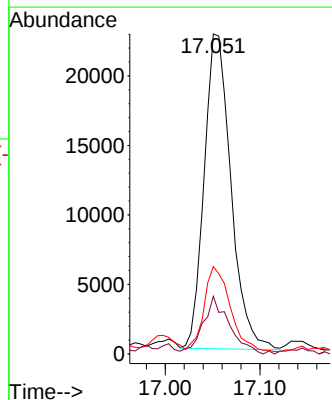
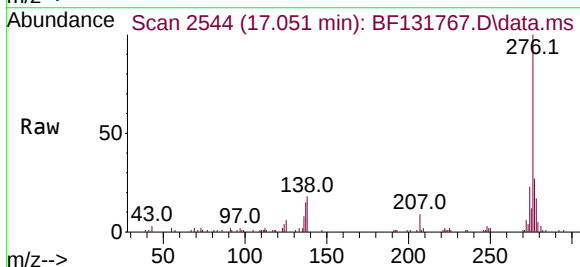
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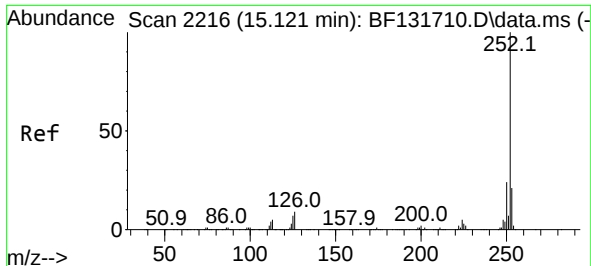
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :Jagrut Upadhyay 12/22/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.873 ng
RT: 17.051 min Scan# 2544
Delta R.T. -0.017 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

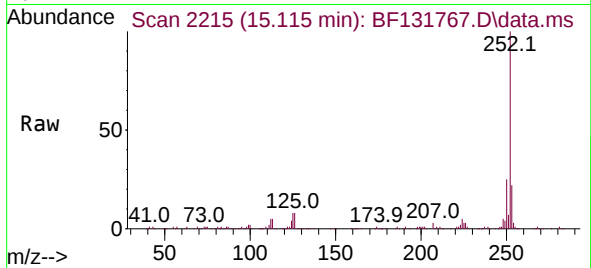
Tgt Ion:276 Resp: 44601
Ion Ratio Lower Upper
276 100
138 17.7 14.4 21.6
277 26.4 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 10.204 ng m
RT: 15.115 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

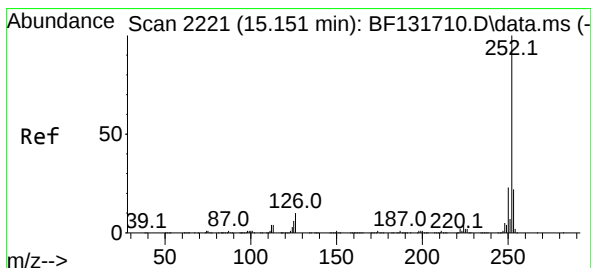
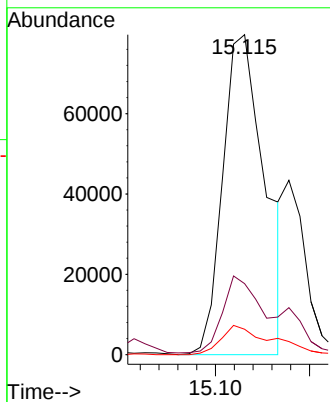
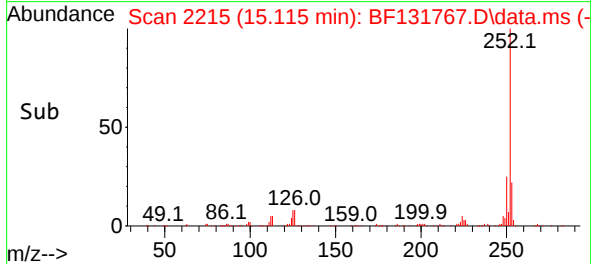
Instrument :
BNA_F
ClientSampleId :
N40305



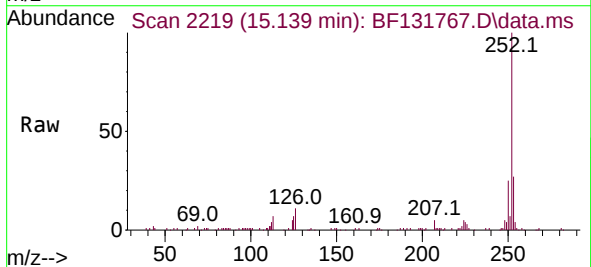
Tgt Ion:252 Resp: 123786
Ion Ratio Lower Upper
252 100
253 22.2 17.2 25.8
125 8.0 5.5 8.3

Manual Integrations
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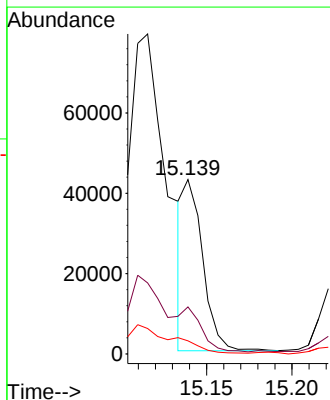
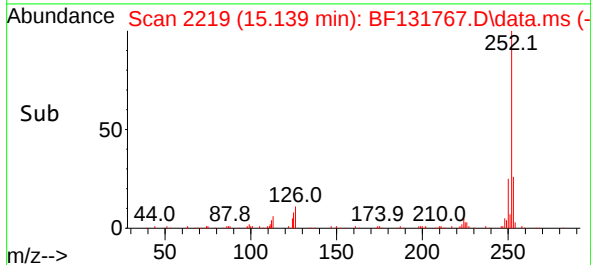
Reviewed By :Christian Giraldo 12/22/2022
Supervised By :Jagrut Upadhyay 12/22/2022

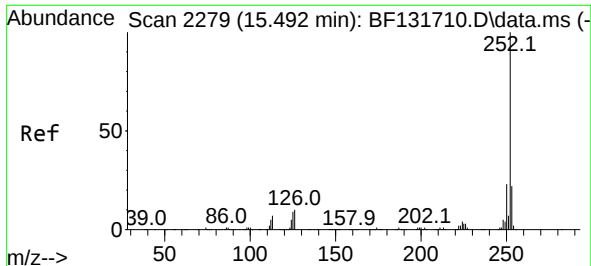


#89
Benzo(k)fluoranthene
Concen: 2.833 ng m
RT: 15.139 min Scan# 2219
Delta R.T. -0.012 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40



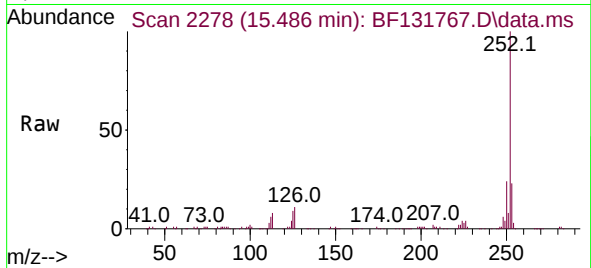
Tgt Ion:252 Resp: 33541
Ion Ratio Lower Upper
252 100
253 26.9 17.8 26.8
125 7.5 5.2 7.8





#90
Benzo(a)pyrene
Concen: 8.659 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40

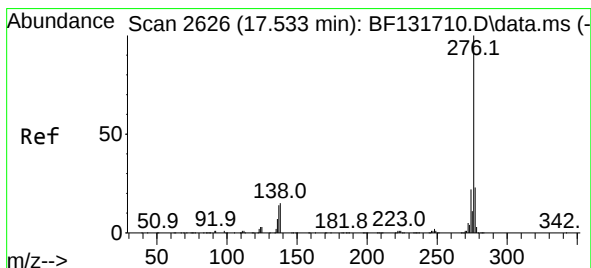
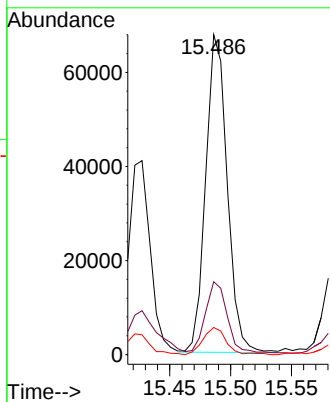
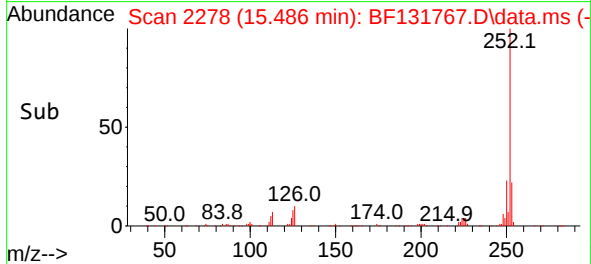
Instrument :
BNA_F
ClientSampleId :
N40305



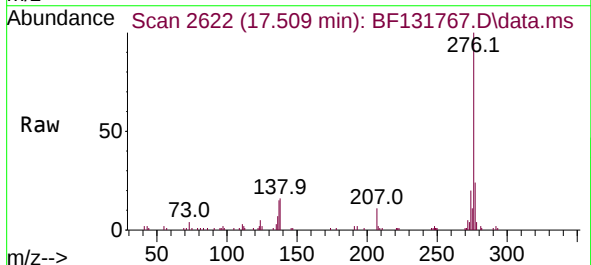
Tgt Ion:252 Resp: 83204
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 8.5 7.0 10.4

Manual Integrations
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Reviewed By :Christian Giraldo 12/22/2022
Supervised By :Jagrut Upadhyay 12/22/2022



#92
Benzo(g,h,i)perylene
Concen: 4.882 ng
RT: 17.509 min Scan# 2622
Delta R.T. -0.023 min
Lab File: BF131767.D
Acq: 22 Dec 2022 02:40



Tgt Ion:276 Resp: 45925
Ion Ratio Lower Upper
276 100
277 24.5 18.3 27.5
138 16.4 12.3 18.5

