

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122322\
 Data File : BF131817.D
 Acq On : 23 Dec 2022 20:57
 Operator : CG\JU
 Sample : N6038-11RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-34-(1.5-2)RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/24/2022
 Supervised By : Jagrut Upadhyay 12/24/2022

Quant Time: Dec 24 03:10:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 24 00:05:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	55595	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	188628	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	94789	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	159665	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	136073	20.000	ng	-0.01
86) Perylene-d12	15.562	264	120668	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	297376	90.071	ng	0.00
7) Phenol-d6	6.475	99	536399	120.706	ng	-0.01
23) Nitrobenzene-d5	7.416	82	368605	79.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	60819	58.621	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	660166	97.562	ng	0.00
79) Terphenyl-d14	12.998	244	782127	89.582	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.157	128	34152	3.315	ng	98
37) 2-Methylnaphthalene	8.851	142	45382	6.458	ng	97
38) 1-Methylnaphthalene	8.951	142	34938	5.134	ng	100
52) Acenaphthene	9.933	154	38659	7.207	ng	98
55) Dibenzofuran	10.110	168	21424	2.604	ng	97
58) Fluorene	10.451	166	32887	4.945	ng	96
71) Phenanthrene	11.427	178	526005	60.417	ng	99
72) Anthracene	11.474	178	82851	9.719	ng	99
73) Carbazole	11.633	167	19741	2.677	ng	99
75) Fluoranthene	12.621	202	392065	40.435	ng	99
78) Pyrene	12.857	202	462442	37.379	ng	98
81) Benzo(a)anthracene	14.051	228	203574	20.773	ng	97
83) Chrysene	14.086	228	191109	20.661	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	50336	6.210	ng	99
88) Benzo(b)fluoranthene	15.121	252	173127m	20.279	ng	
89) Benzo(k)fluoranthene	15.145	252	44940m	5.395	ng	
90) Benzo(a)pyrene	15.492	252	115738	17.115	ng	# 95
92) Benzo(g,h,i)perylene	17.527	276	48201	7.281	ng	95

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

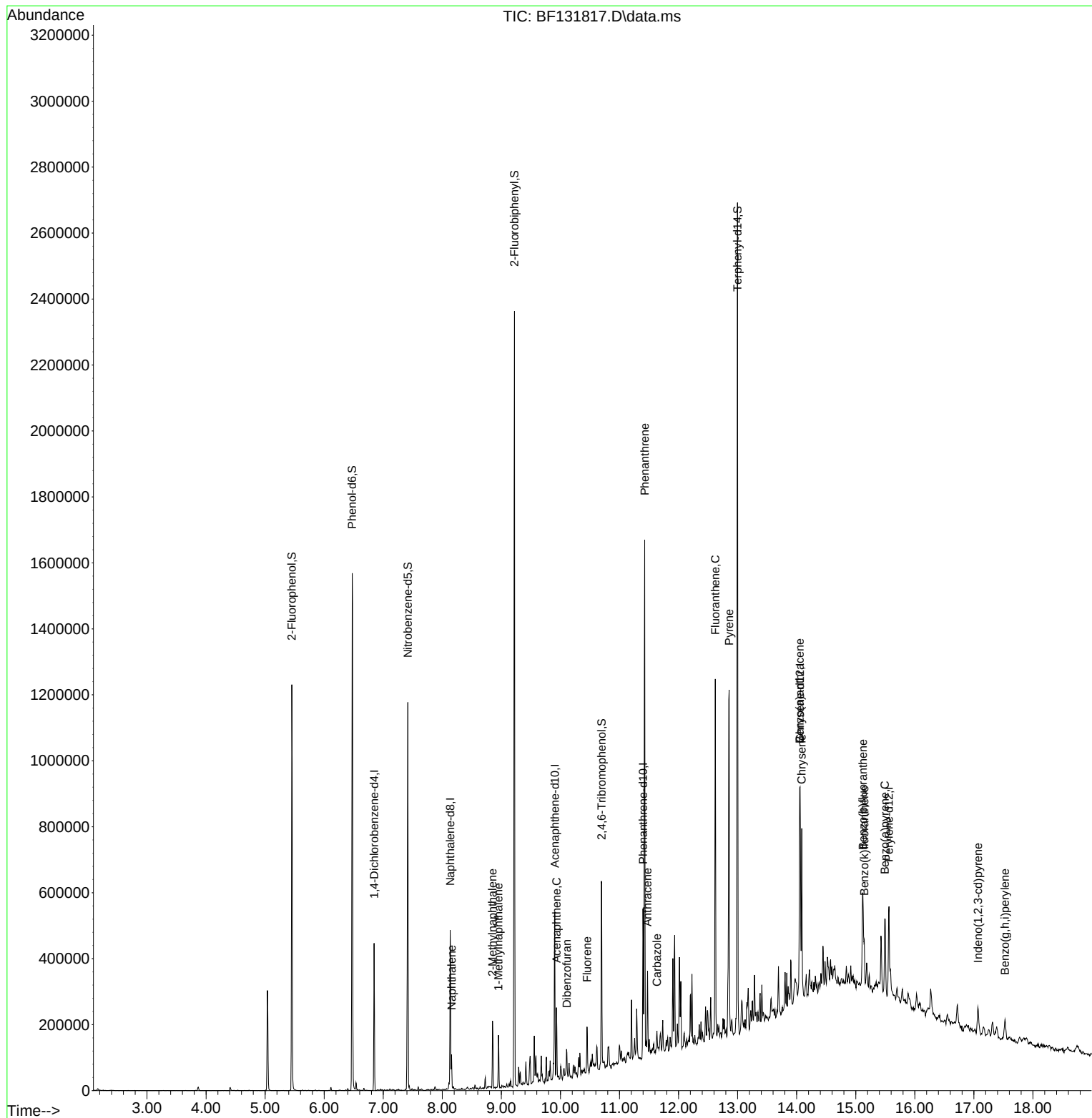
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122322\
Data File : BF131817.D
Acq On : 23 Dec 2022 20:57
Operator : CG\JU
Sample : N6038-11RE
Misc :
ALS Vial : 18 Sample Multiplier: 1

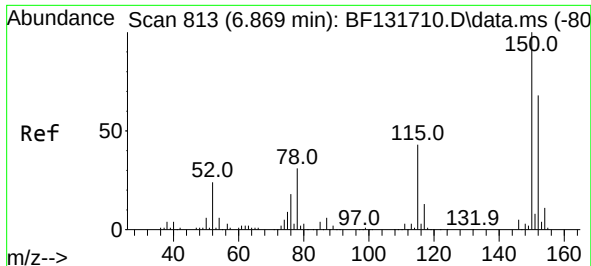
Instrument :
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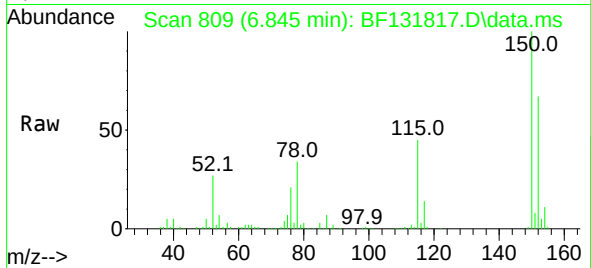
Quant Time: Dec 24 03:10:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 24 00:05:44 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

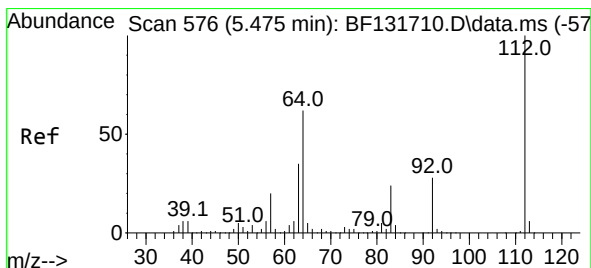
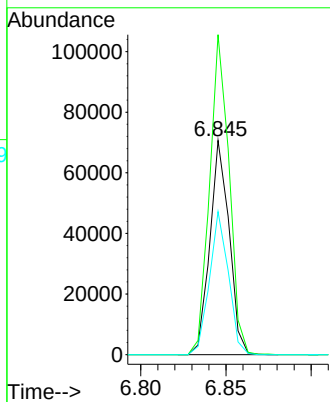
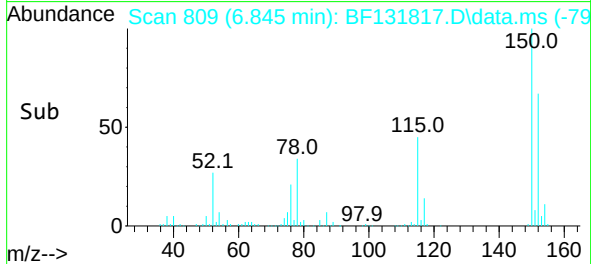
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE



Tgt Ion:152 Resp: 5559
Ion Ratio Lower Upper
152 100
150 149.4 117.4 176.0
115 66.8 50.2 75.4

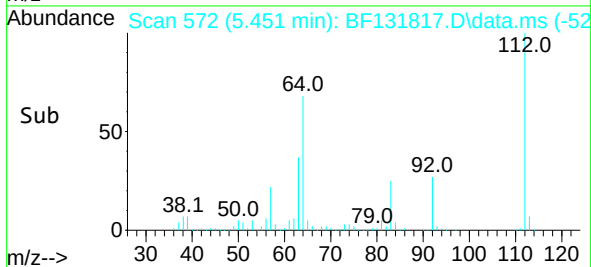
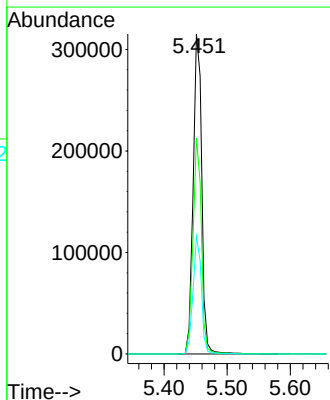
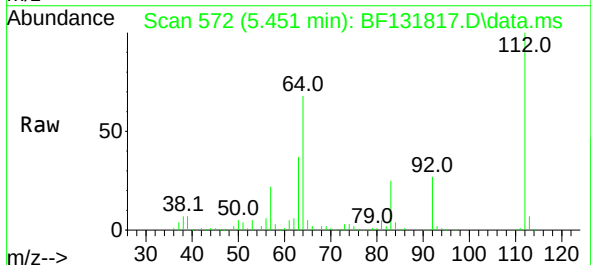
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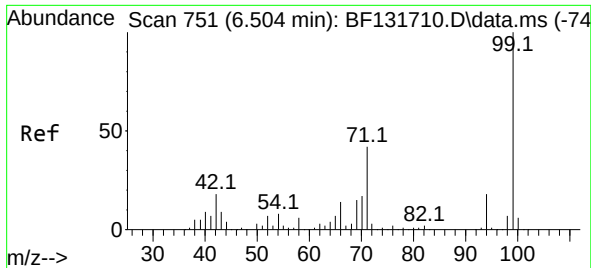
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#5
2-Fluorophenol
Concen: 90.071 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

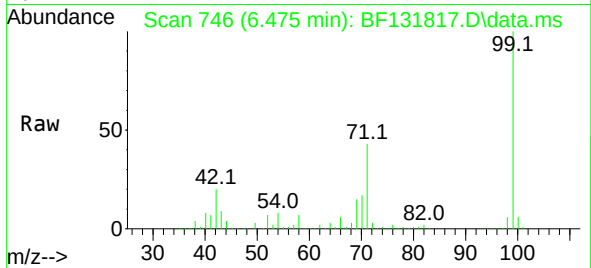
Tgt Ion:112 Resp: 297376
Ion Ratio Lower Upper
112 100
64 67.5 49.5 74.3
63 36.8 28.2 42.2





#7
Phenol-d6
Concen: 120.706 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

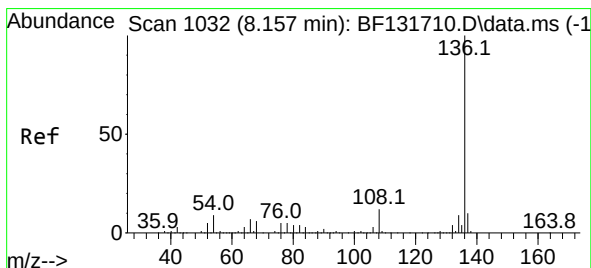
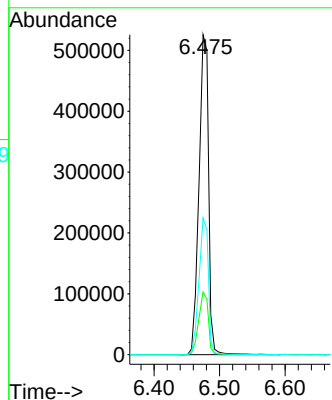
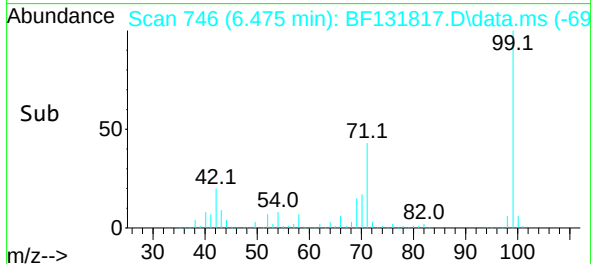
Instrument :
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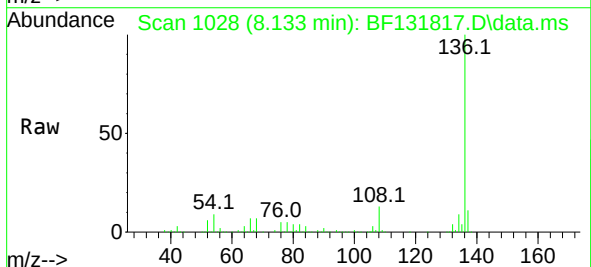
Tgt Ion: 99 Resp: 536399
Ion Ratio Lower Upper
99 100
42 19.6 14.8 22.2
71 42.8 33.8 50.6

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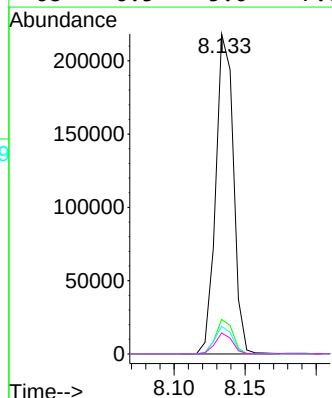
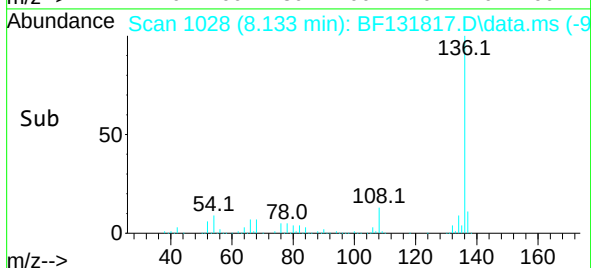
Reviewed By :Christian Giraldo 12/24/2022
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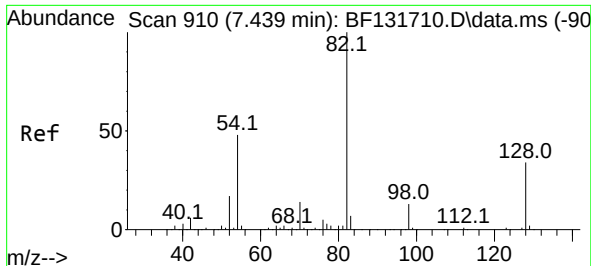


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57



Tgt Ion:136 Resp: 188628
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.6 7.2 10.8
68 6.5 5.0 7.6





#23

Nitrobenzene-d5

Concen: 79.331 ng

RT: 7.416 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

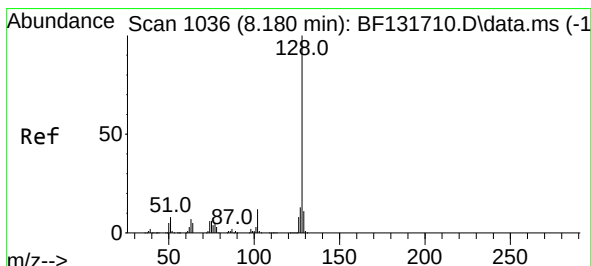
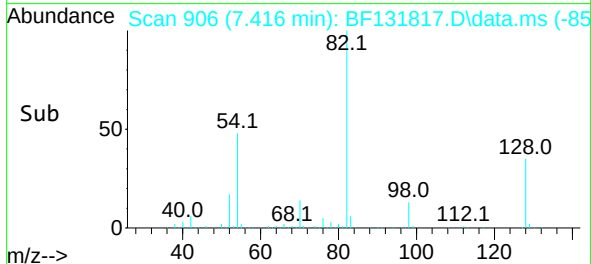
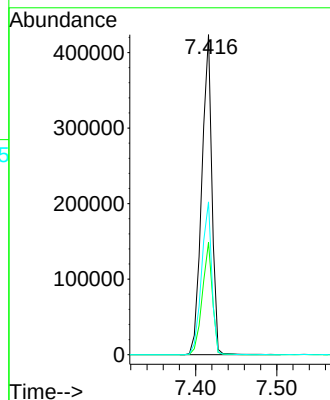
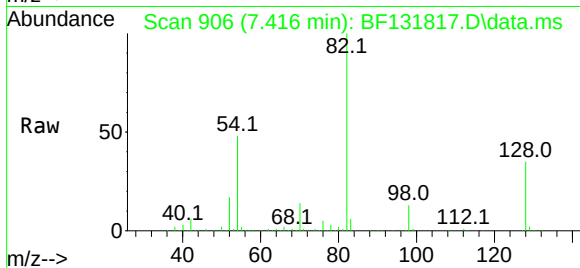
RB-34-(1.5-2)RE

Tgt Ion: 82 Resp: 368609
 Ion Ratio Lower Upper
 82 100
 128 35.1 27.3 40.9
 54 47.8 38.2 57.2

Manual Integrations

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 Supervised By :Jagrut Upadhyay 12/24/2022



#31

Naphthalene

Concen: 3.315 ng

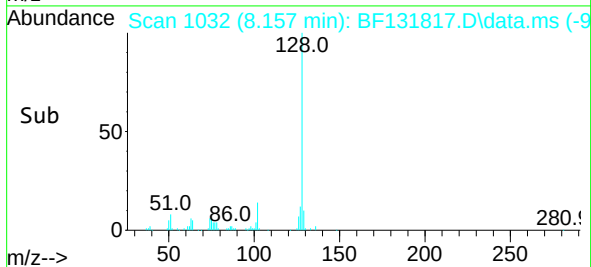
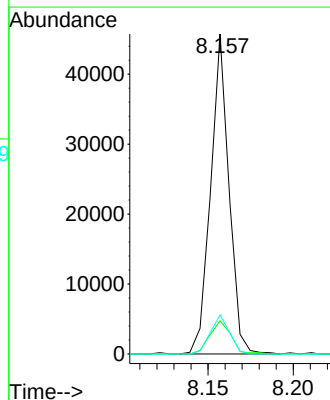
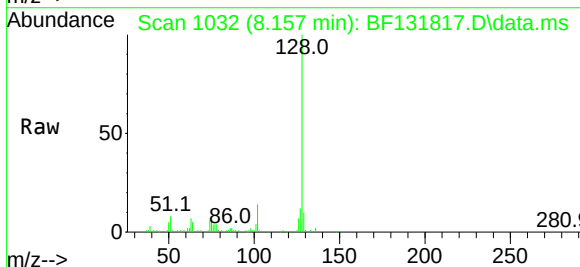
RT: 8.157 min Scan# 1032

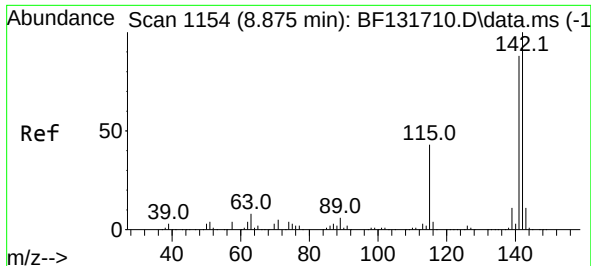
Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Tgt Ion:128 Resp: 34152
 Ion Ratio Lower Upper
 128 100
 129 10.4 8.9 13.3
 127 12.2 10.6 15.8





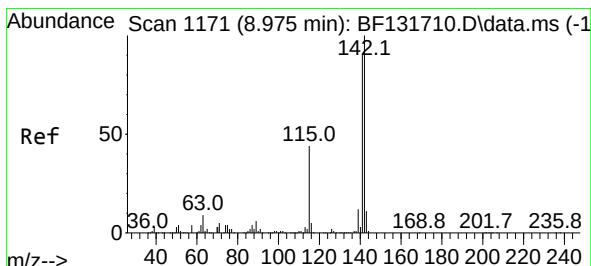
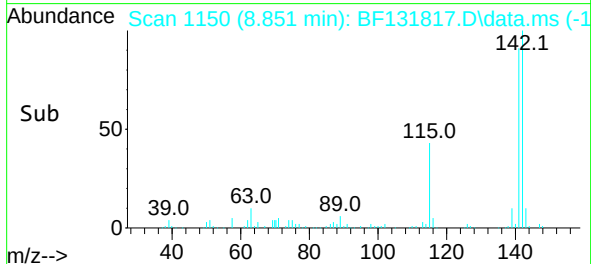
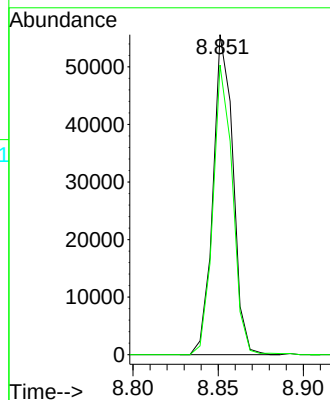
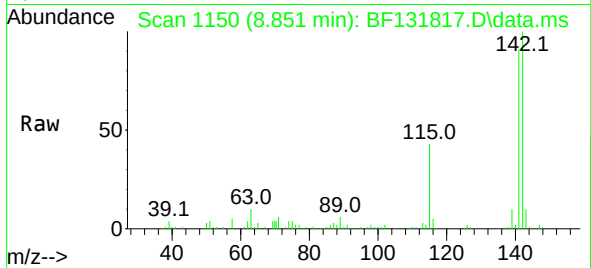
#37
2-Methylnaphthalene
Concen: 6.458 ng
RT: 8.851 min Scan# 1154
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE

Tgt Ion:142 Resp: 4538
Ion Ratio Lower Upper
142 100
141 90.5 70.4 105.6

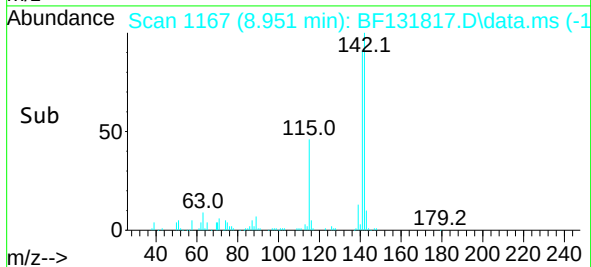
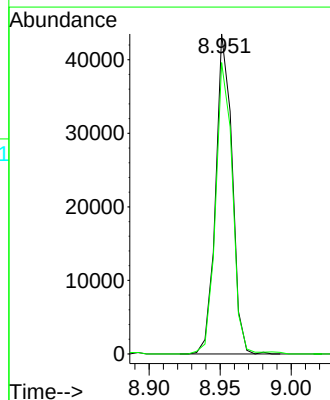
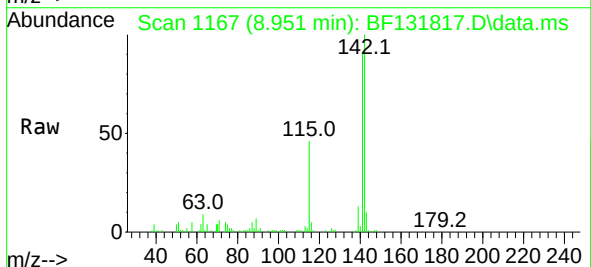
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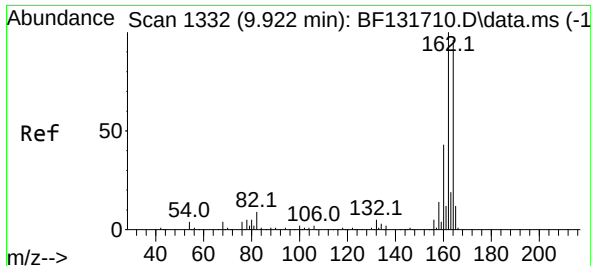
Reviewed By :Christian Giraldo 12/24/2022
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#38
1-Methylnaphthalene
Concen: 5.134 ng
RT: 8.951 min Scan# 1167
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:142 Resp: 34938
Ion Ratio Lower Upper
142 100
141 91.1 73.0 109.6





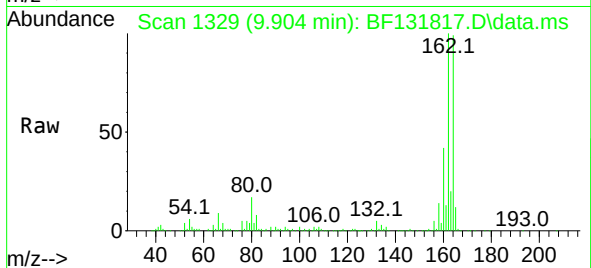
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE

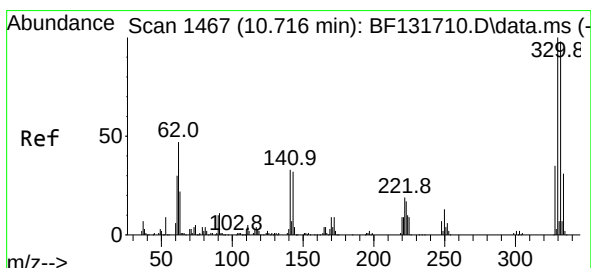
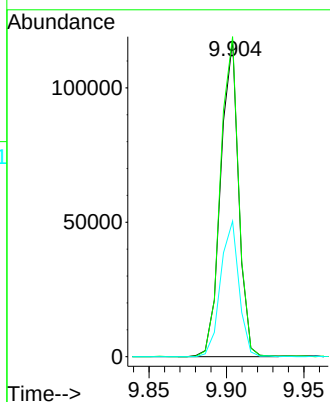
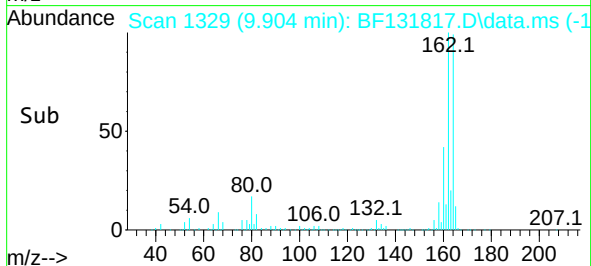


Tgt Ion:164 Resp: 94789
Ion Ratio Lower Upper
164 100
162 101.0 83.7 125.5
160 42.8 36.2 54.4

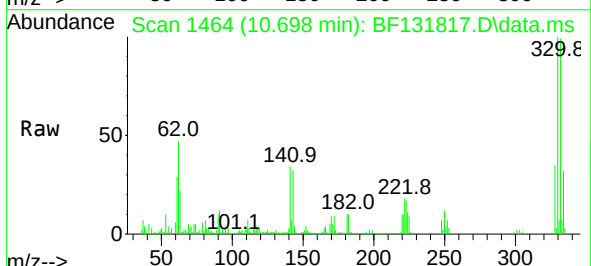
Manual Integrations

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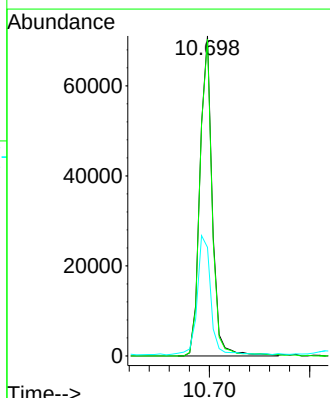
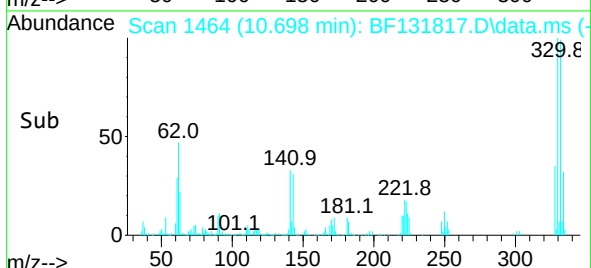
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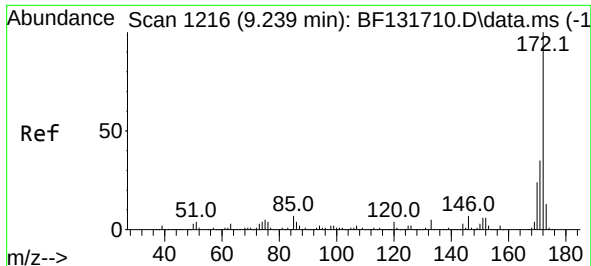


#42
2,4,6-Tribromophenol
Concen: 58.621 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57



Tgt Ion:330 Resp: 60819
Ion Ratio Lower Upper
330 100
332 98.5 77.1 115.7
141 40.6 30.4 45.6





#45

2-Fluorobiphenyl

Concen: 97.562 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131817.D

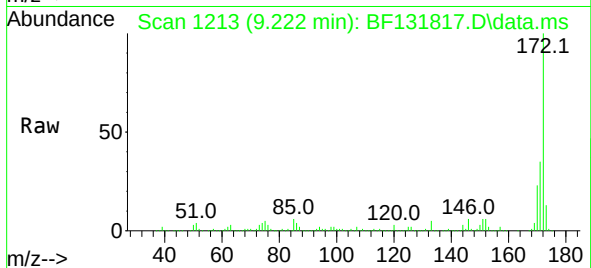
Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE



Tgt Ion:172 Resp: 660160

Ion Ratio Lower Upper

172 100

171 34.9 27.9 41.9

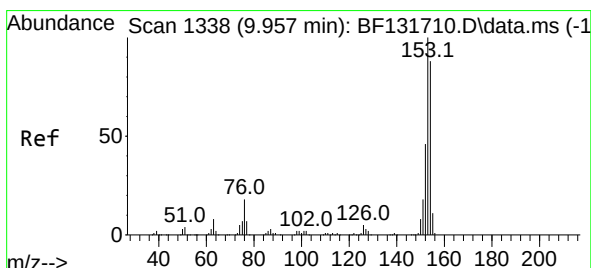
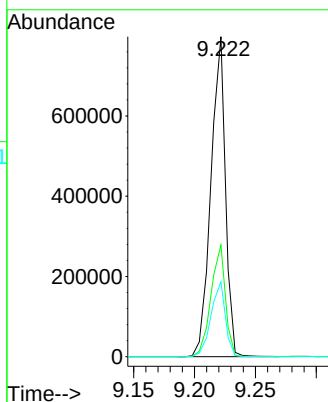
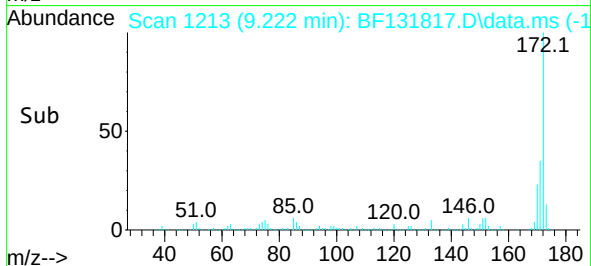
170 23.4 19.0 28.4

Manual Integrations

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#52

Acenaphthene

Concen: 7.207 ng

RT: 9.933 min Scan# 1334

Delta R.T. -0.018 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

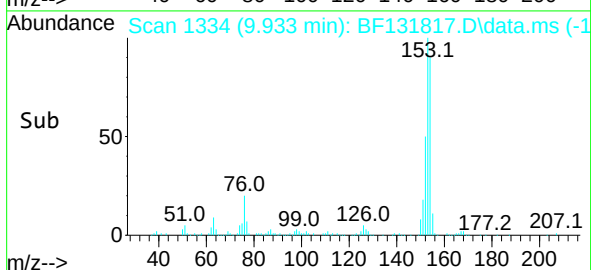
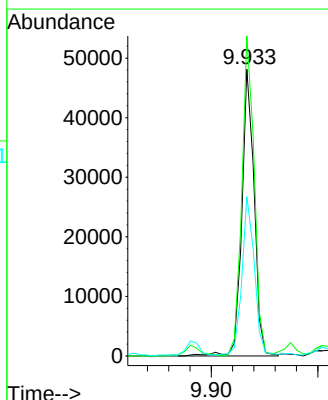
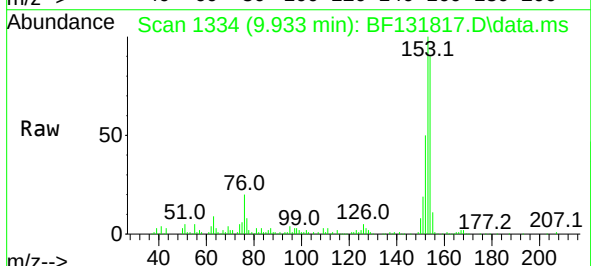
Tgt Ion:154 Resp: 38659

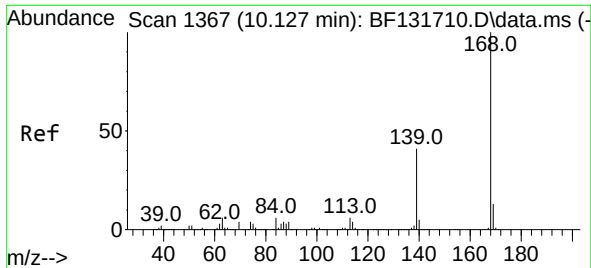
Ion Ratio Lower Upper

154 100

153 111.6 90.4 135.6

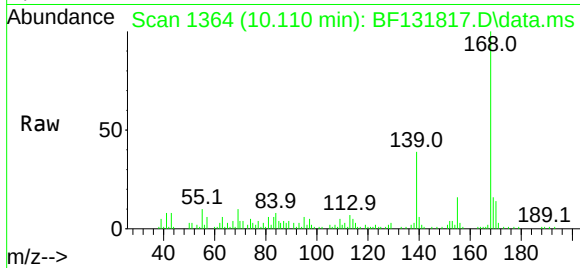
152 55.6 42.0 63.0





#55
Dibenzenofuran
Concen: 2.604 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

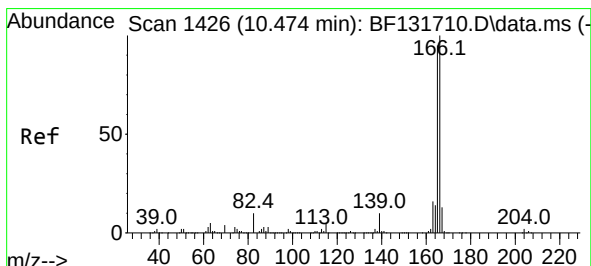
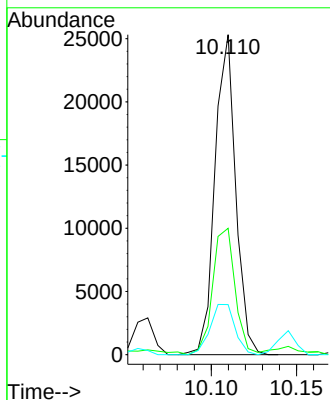
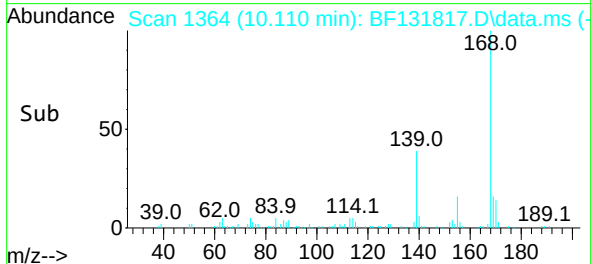
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE



Tgt Ion:168 Resp: 21424
Ion Ratio Lower Upper
168 100
139 39.5 32.7 49.1
169 15.7 10.6 16.0

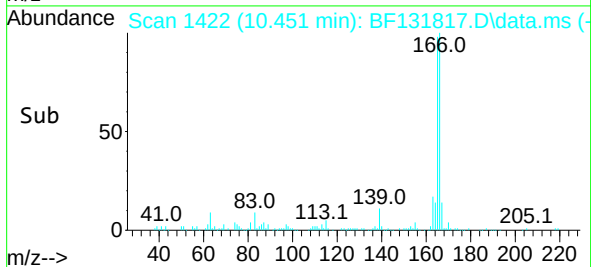
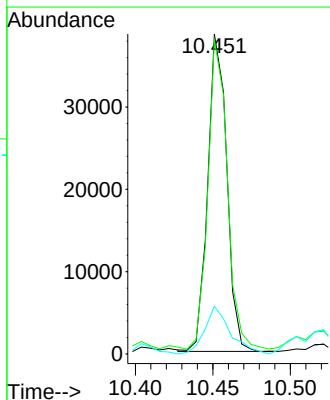
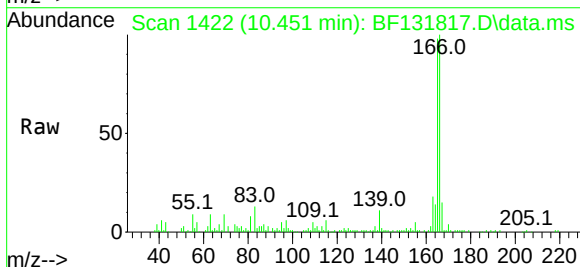
Manual Integrations
APPROVED

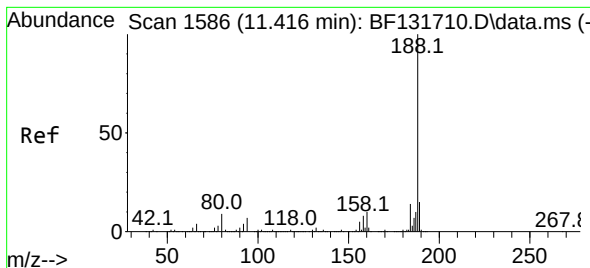
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#58
Fluorene
Concen: 4.945 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.018 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:166 Resp: 32887
Ion Ratio Lower Upper
166 100
165 98.1 75.8 113.8
167 15.0 10.6 15.8





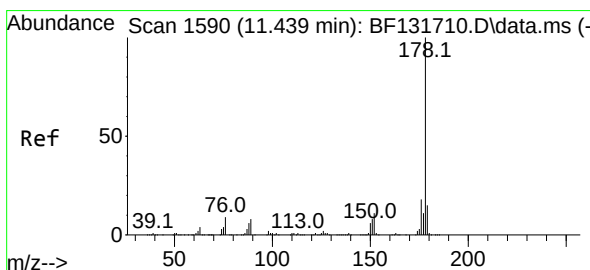
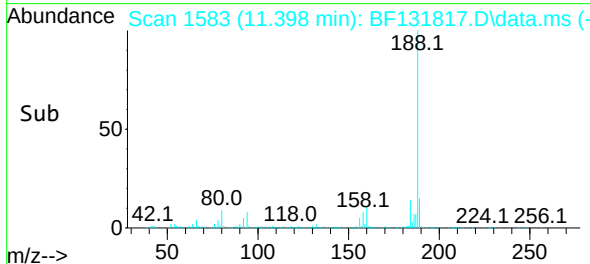
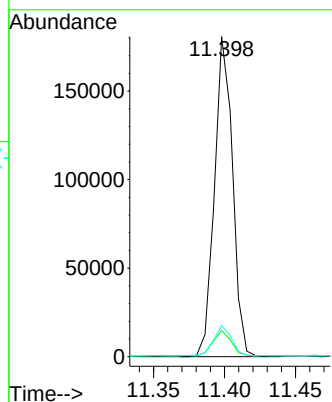
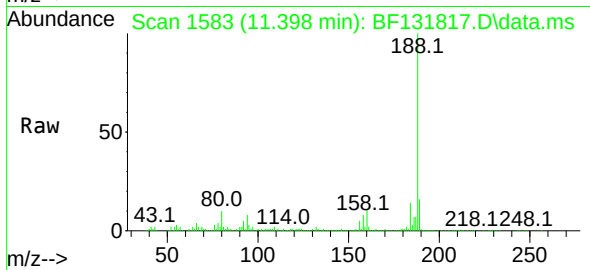
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE

Tgt Ion:188 Resp: 15966
Ion Ratio Lower Upper
188 100
94 8.2 5.9 8.9
80 9.7 7.0 10.6

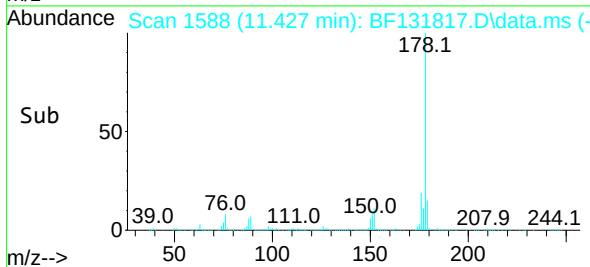
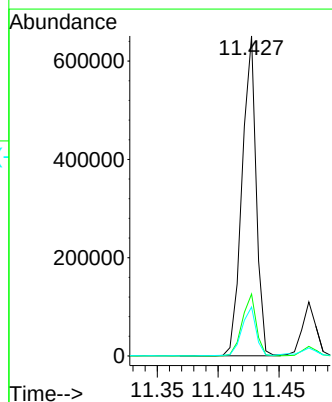
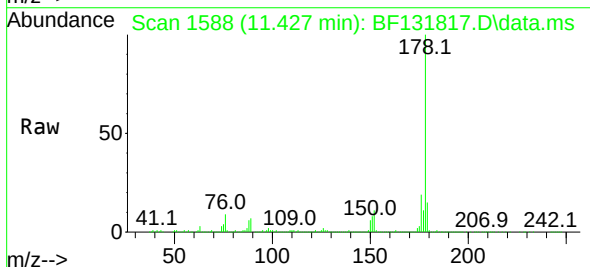
Manual Integrations
APPROVED

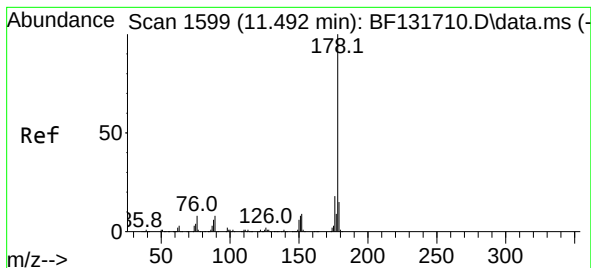
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#71
Phenanthrene
Concen: 60.417 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:178 Resp: 526005
Ion Ratio Lower Upper
178 100
176 19.3 14.8 22.2
179 15.3 12.2 18.4





#72

Anthracene

Concen: 9.719 ng

RT: 11.474 min Scan# 1596

Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE

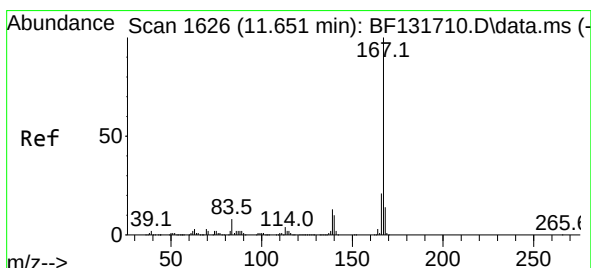
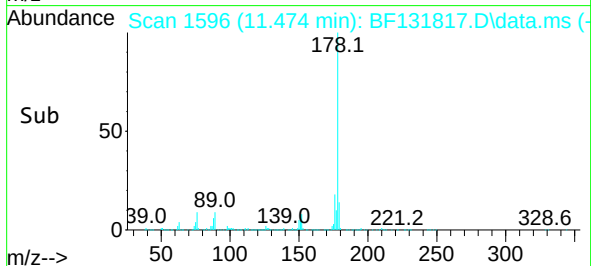
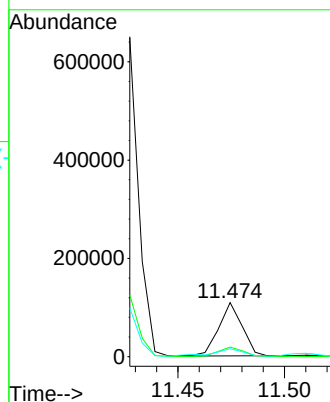
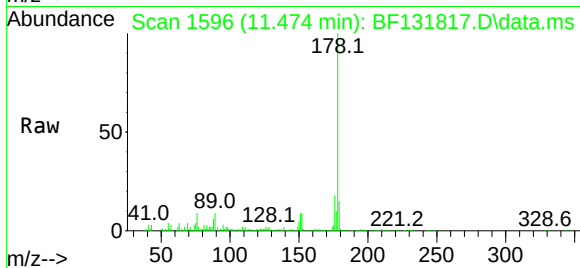
Tgt Ion:178 Resp: 8285
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.6 21.8
 179 14.9 12.2 18.4

Manual Integrations

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Reviewed By :Christian Giraldo 12/24/2022

Supervised By :Jagrut Upadhyay 12/24/2022



#73

Carbazole

Concen: 2.677 ng

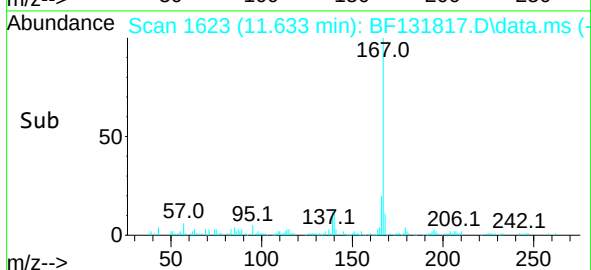
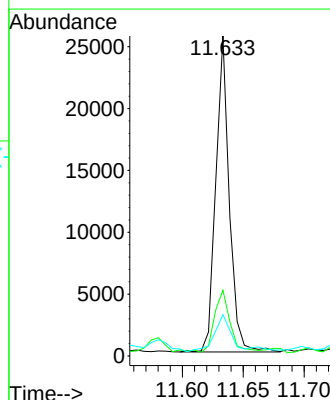
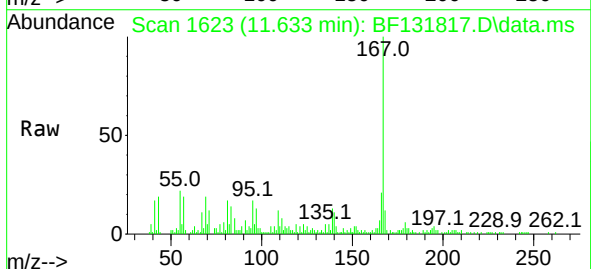
RT: 11.633 min Scan# 1623

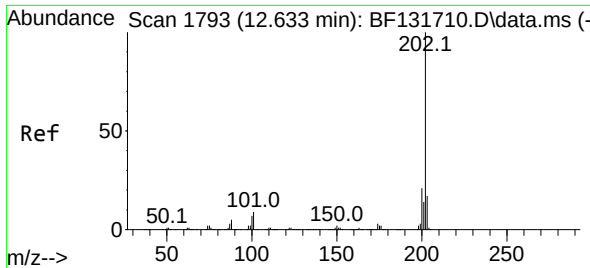
Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

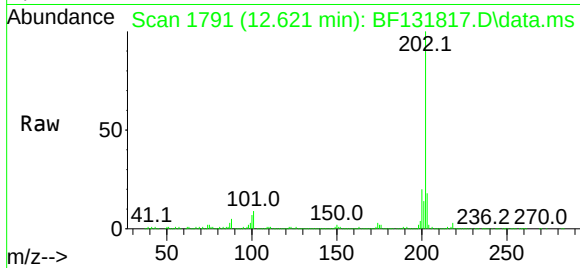
Tgt Ion:167 Resp: 19741
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.1 25.7
 139 12.9 10.5 15.7





#75
Fluoranthene
Concen: 40.435 ng
RT: 12.621 min Scan# 1793
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

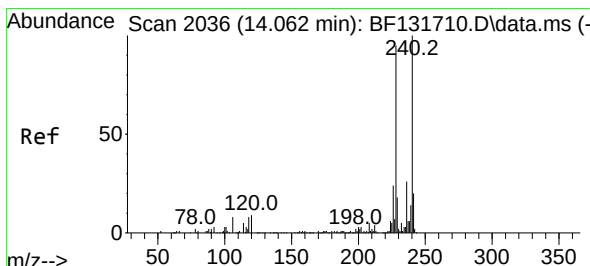
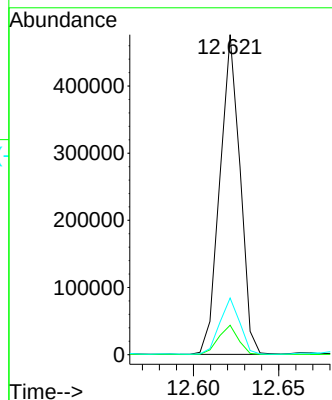
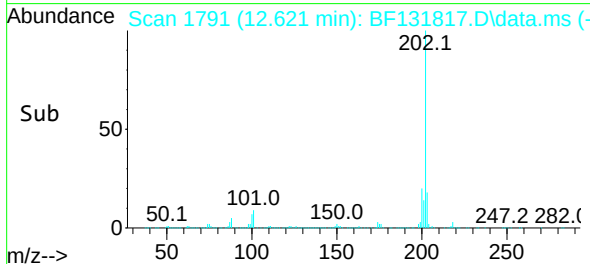
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE



Tgt Ion:202 Resp: 392065
Ion Ratio Lower Upper
202 100
101 9.2 0.0 28.8
203 17.7 0.0 37.1

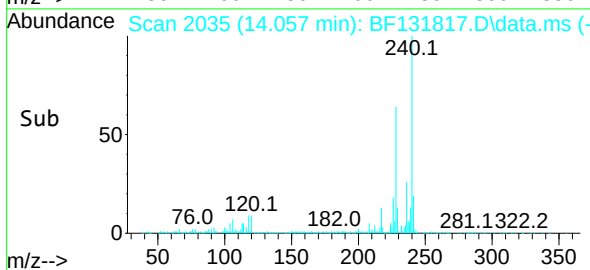
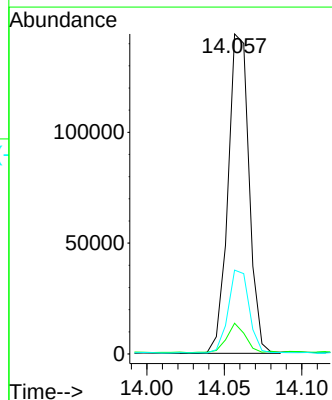
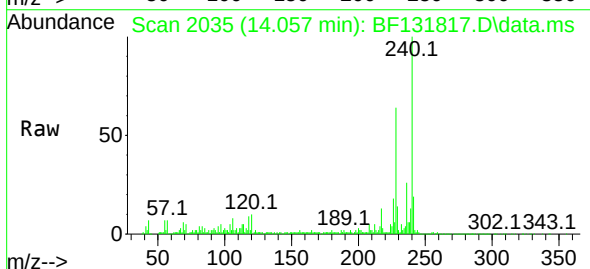
Manual Integrations
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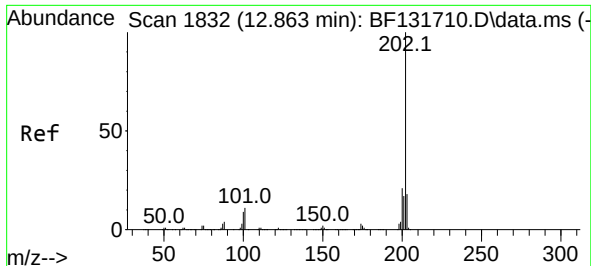
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

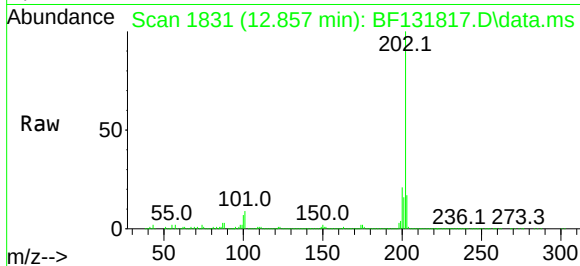
Tgt Ion:240 Resp: 136073
Ion Ratio Lower Upper
240 100
120 9.6 7.6 11.4
236 26.2 21.2 31.8





#78
Pyrene
Concen: 37.379 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

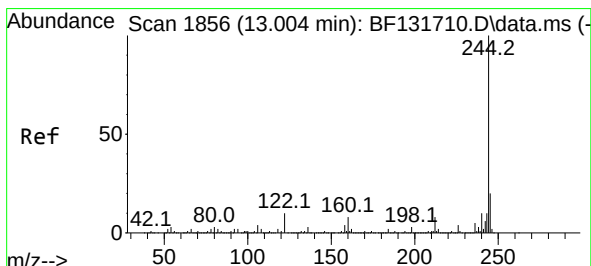
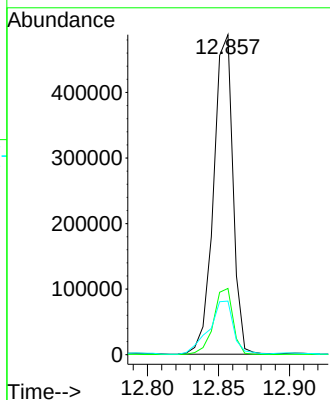
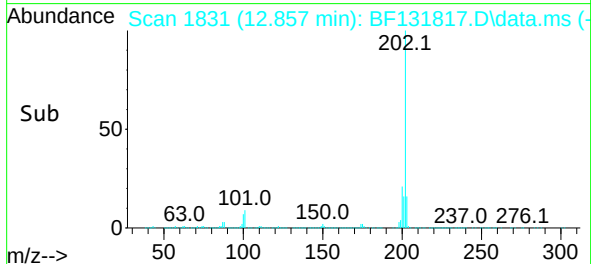
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE



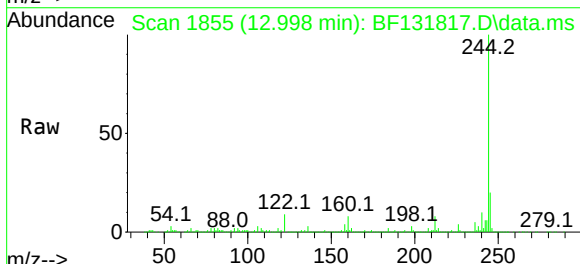
Tgt Ion:202 Resp: 46244
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 16.8 14.1 21.1

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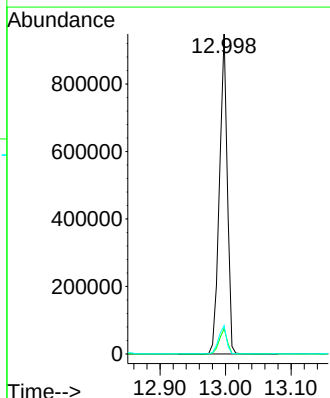
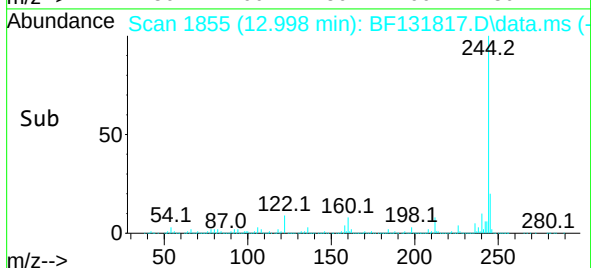
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

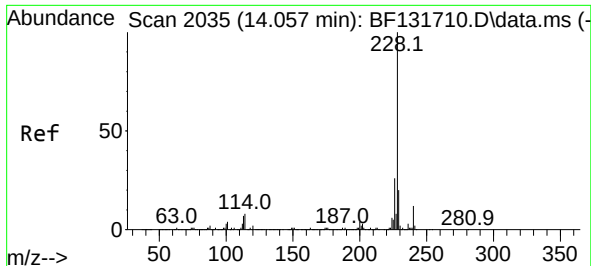


#79
Terphenyl-d14
Concen: 89.582 ng
RT: 12.998 min Scan# 1855
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57



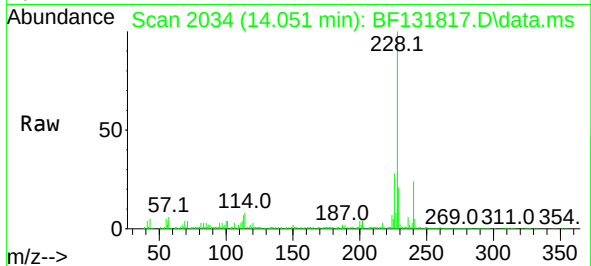
Tgt Ion:244 Resp: 782127
Ion Ratio Lower Upper
244 100
212 8.0 6.5 9.7
122 8.9 7.7 11.5





#81
Benzo(a)anthracene
Concen: 20.773 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

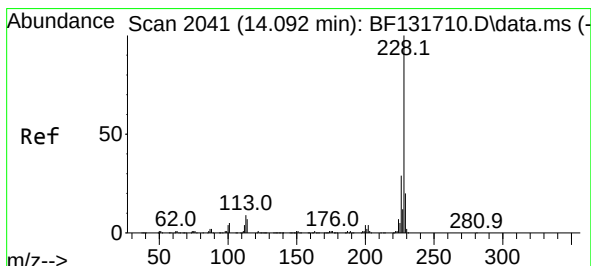
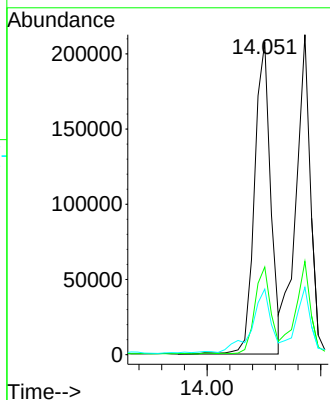
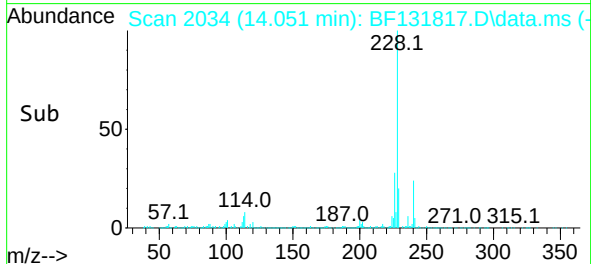
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE



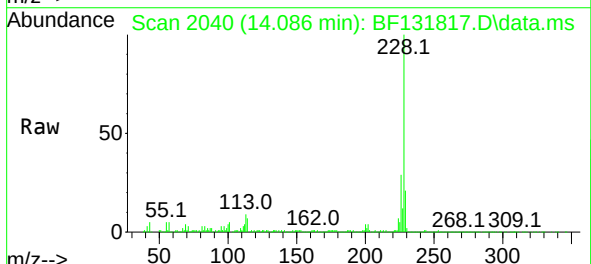
Tgt Ion:228 Resp: 203574
Ion Ratio Lower Upper
228 100
226 28.0 21.0 31.4
229 21.0 15.8 23.8

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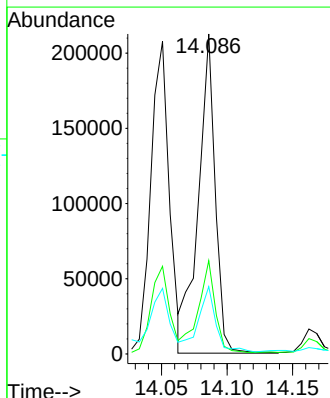
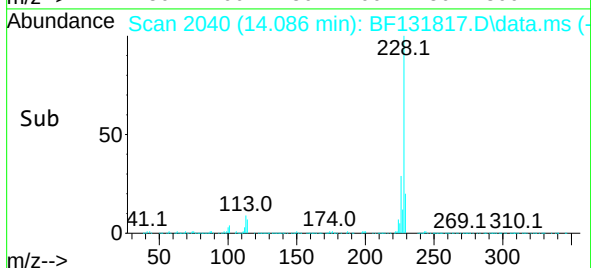
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022

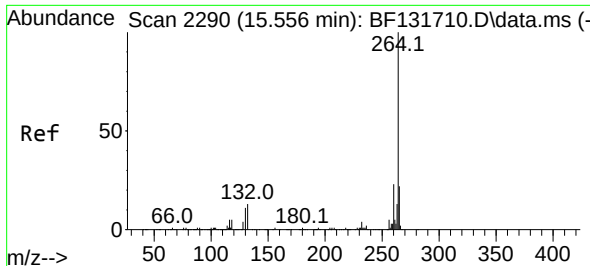


#83
Chrysene
Concen: 20.661 ng
RT: 14.086 min Scan# 2040
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57



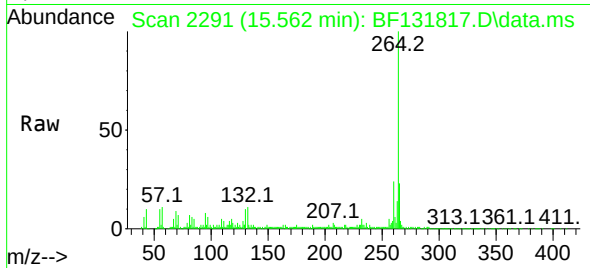
Tgt Ion:228 Resp: 191109
Ion Ratio Lower Upper
228 100
226 29.2 23.5 35.3
229 21.0 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

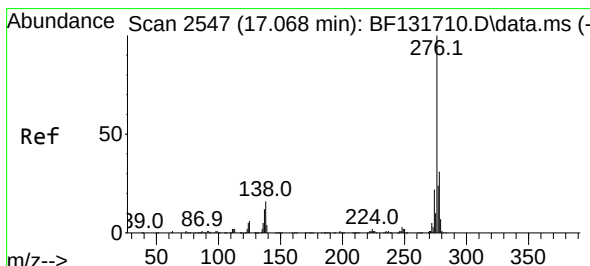
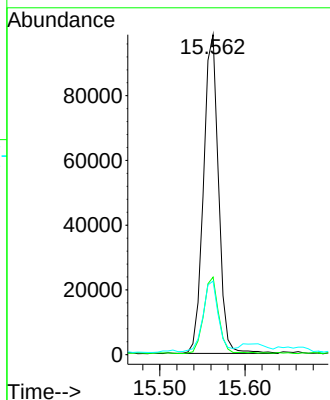
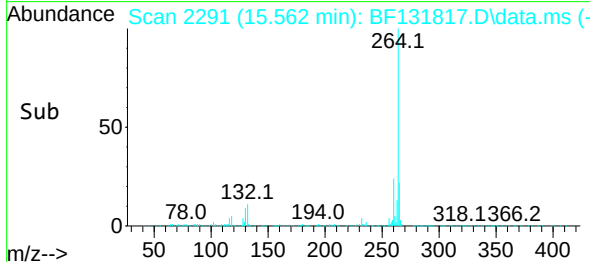
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE



Tgt Ion:264 Resp: 12066
Ion Ratio Lower Upper
264 100
260 24.3 18.6 28.0
265 23.0 17.4 26.2

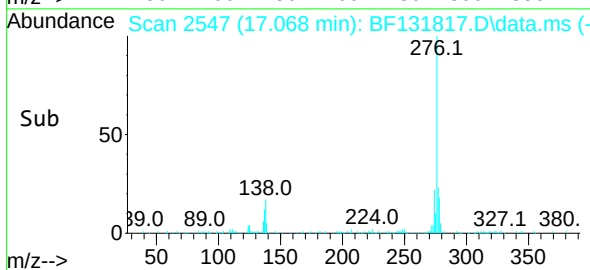
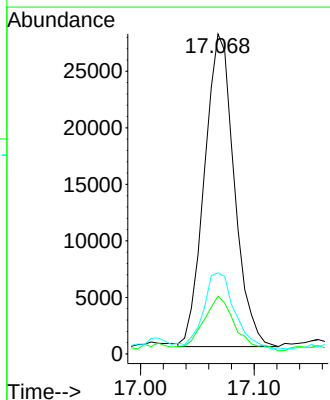
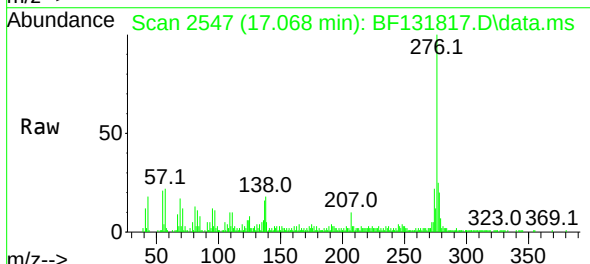
Manual Integrations
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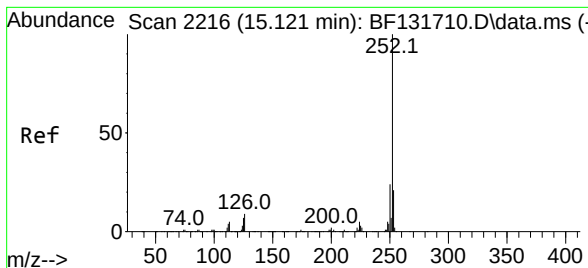
Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.210 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.018 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:276 Resp: 50336
Ion Ratio Lower Upper
276 100
138 19.0 14.4 21.6
277 25.3 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 20.279 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131817.D

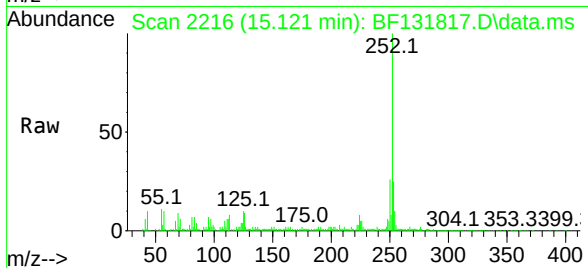
Acq: 23 Dec 2022 20:57

Instrument :

BNA_F

ClientSampleId :

RB-34-(1.5-2)RE



Tgt Ion:252 Resp: 17312

Ion Ratio Lower Upper

252 100

253 25.1 17.2 25.8

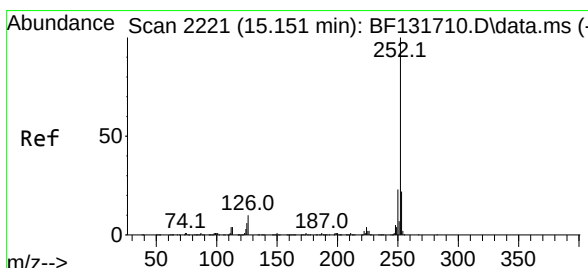
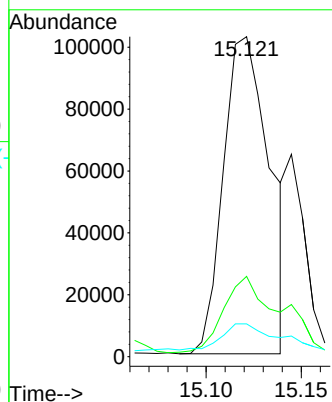
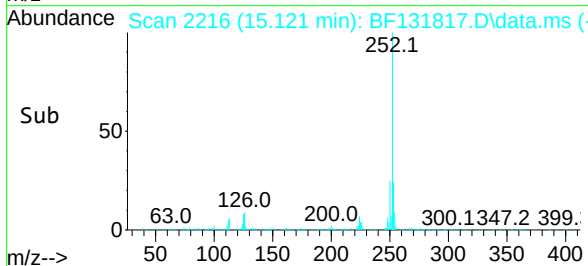
125 10.3 5.5 8.3

Manual Integrations

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Reviewed By :Christian Giraldo 12/24/2022

Supervised By :Jagrut Upadhyay 12/24/2022



#89

Benzo(k)fluoranthene

Concen: 5.395 ng m

RT: 15.145 min Scan# 2220

Delta R.T. -0.012 min

Lab File: BF131817.D

Acq: 23 Dec 2022 20:57

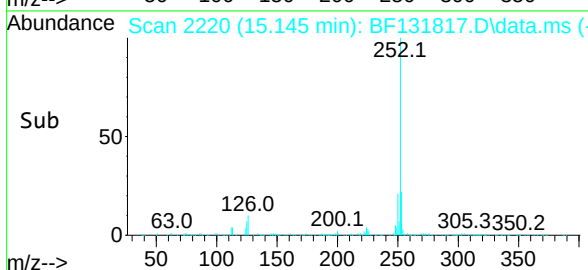
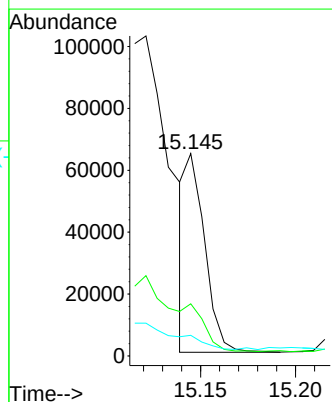
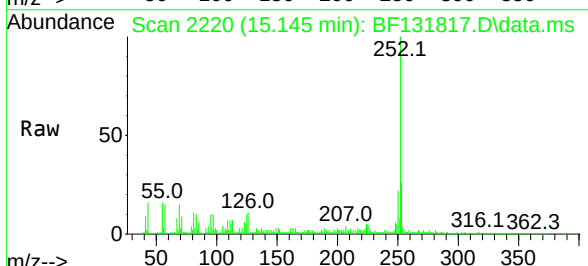
Tgt Ion:252 Resp: 44940

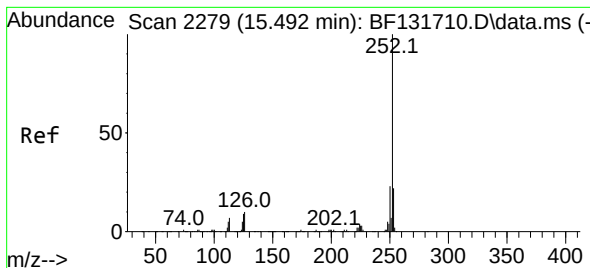
Ion Ratio Lower Upper

252 100

253 25.7 17.8 26.8

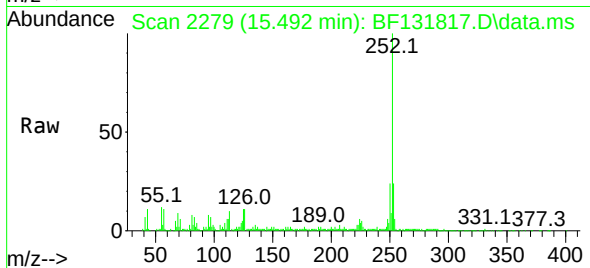
125 10.2 5.2 7.8





#90
Benzo(a)pyrene
Concen: 17.115 ng
RT: 15.492 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

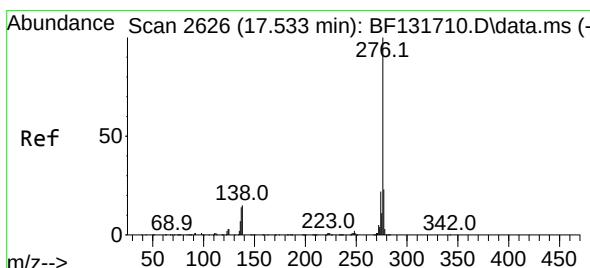
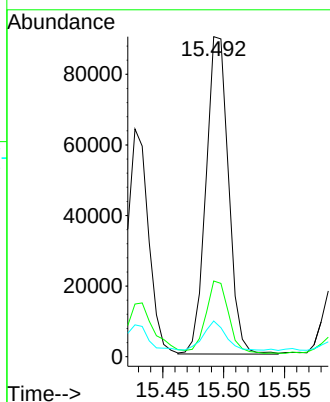
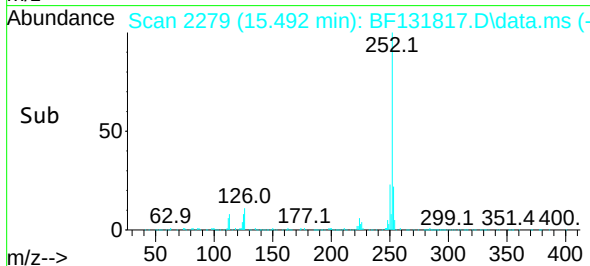
Instrument :
BNA_F
ClientSampleId :
RB-34-(1.5-2)RE



Tgt Ion:252 Resp: 115738
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.2 7.0 10.4

Manual Integrations
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Reviewed By :Christian Giraldo 12/24/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#92
Benzo(g,h,i)perylene
Concen: 7.281 ng
RT: 17.527 min Scan# 2625
Delta R.T. -0.023 min
Lab File: BF131817.D
Acq: 23 Dec 2022 20:57

Tgt Ion:276 Resp: 48201
Ion Ratio Lower Upper
276 100
277 25.4 18.3 27.5
138 17.3 12.3 18.5

