

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
 Data File : BF131890.D
 Acq On : 29 Dec 2022 21:31
 Operator : CG\JU
 Sample : N6229-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-8-122822

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/30/2022
 Supervised By :Yogesh Patel 12/30/2022

Quant Time: Dec 30 02:13:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	56153	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	180203	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	86742	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	155013	20.000	ng	0.00
76) Chrysene-d12	14.027	240	108308	20.000	ng	0.01
86) Perylene-d12	15.504	264	86466	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	366346	108.118	ng	0.00
7) Phenol-d6	6.451	99	453340	101.835	ng	0.00
23) Nitrobenzene-d5	7.387	82	302548	67.032	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	89837	95.322	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	434920	68.678	ng	0.00
79) Terphenyl-d14	12.986	244	401274	62.670	ng	0.03
Target Compounds						Qvalue
31) Naphthalene	8.128	128	37098	3.759	ng	97
37) 2-Methylnaphthalene	8.822	142	21739	3.282	ng	97
38) 1-Methylnaphthalene	8.922	142	15062	2.341	ng	93
49) Acenaphthylene	9.728	152	19779	2.418	ng	# 92
52) Acenaphthene	9.904	154	17668	3.578	ng	99
55) Dibenzofuran	10.075	168	26240	3.449	ng	# 97
58) Fluorene	10.416	166	39695m	6.392	ng	
71) Phenanthrene	11.386	178	316364	37.113	ng	99
72) Anthracene	11.439	178	73775	8.847	ng	100
73) Carbazole	11.598	167	22915	3.113	ng	94
75) Fluoranthene	12.598	202	363993	36.659	ng	90
78) Pyrene	12.880	202	382525m	42.138	ng	
81) Benzo(a)anthracene	14.016	228	142162	18.129	ng	98
83) Chrysene	14.051	228	148927m	20.210	ng	
87) Indeno(1,2,3-cd)pyrene	16.986	276	49442	9.000	ng	99
88) Benzo(b)fluoranthene	15.068	252	133945m	21.127	ng	
89) Benzo(k)fluoranthene	15.092	252	42408m	6.923	ng	
90) Benzo(a)pyrene	15.439	252	92223	18.788	ng	# 93
91) Dibenzo(a,h)anthracene	16.992	278	13015	2.892	ng	# 74
92) Benzo(g,h,i)perylene	17.439	276	50152	13.641	ng	93

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

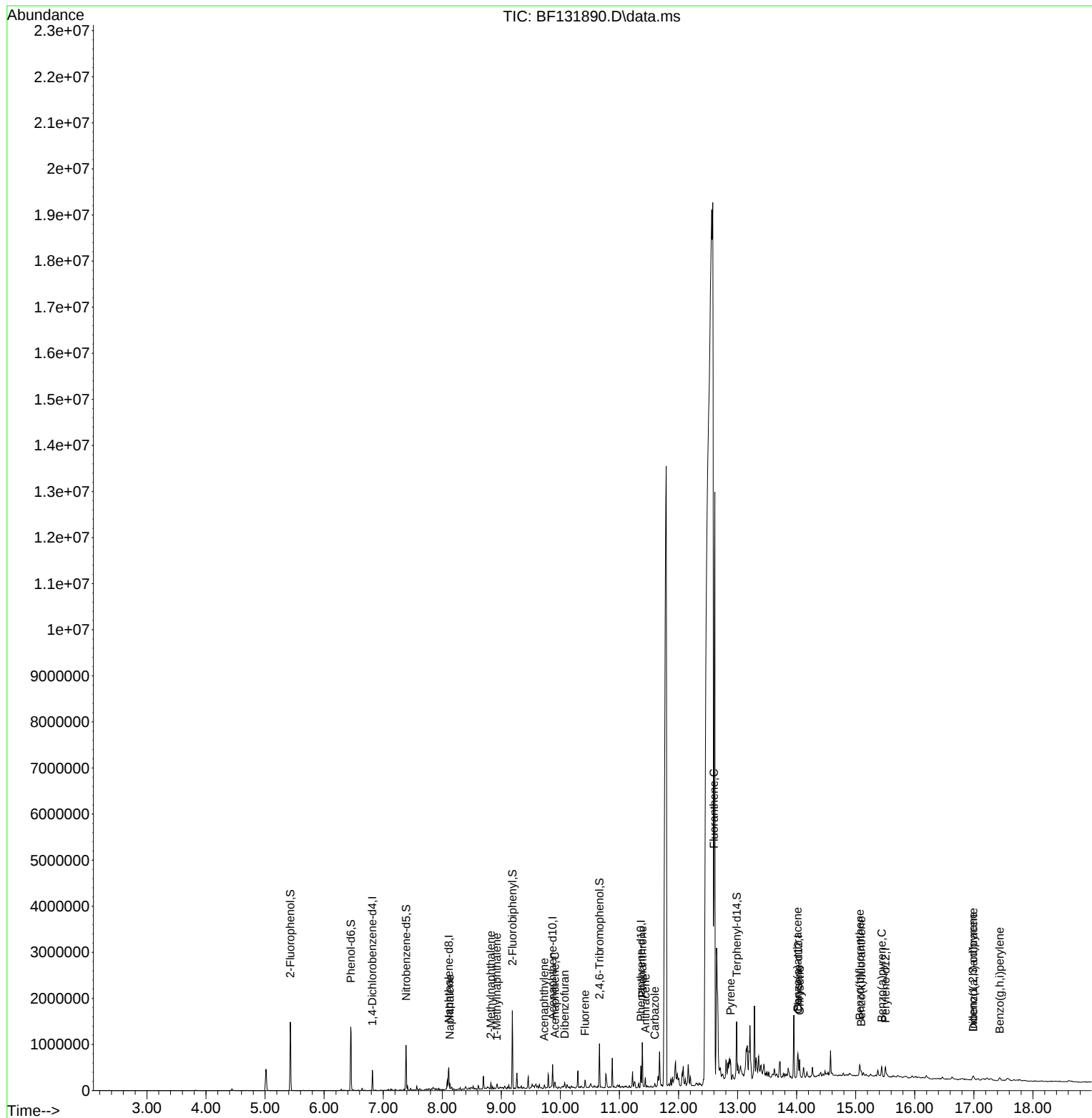
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
Data File : BF131890.D
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ALS Vial : 18 Sample Multiplier: 1

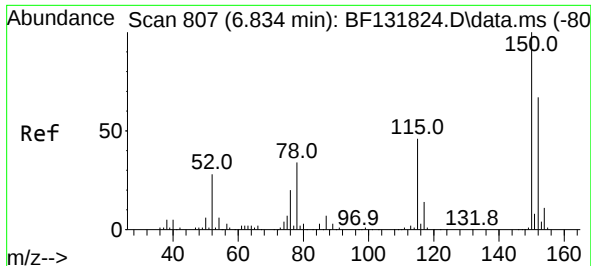
Instrument :
BNA_F
ClientSampleId :
NB-8-122822

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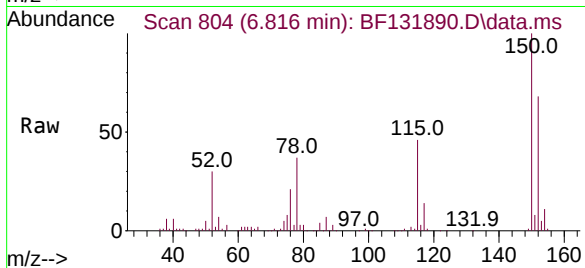
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 807
Delta R.T. 0.000 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

NB-8-122822

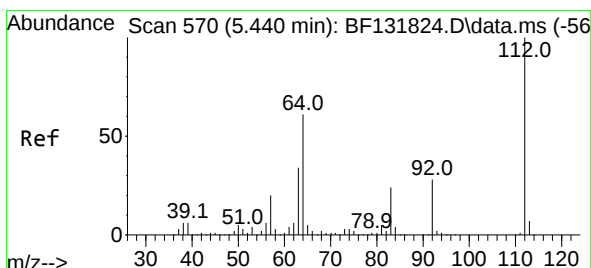
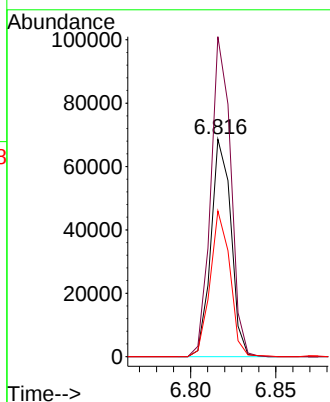
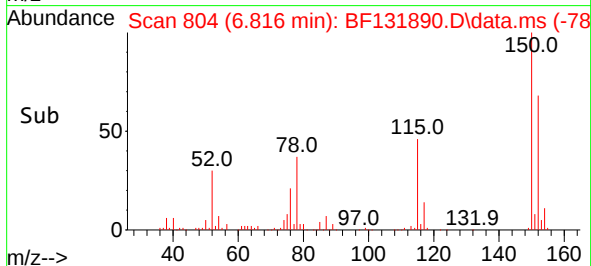


Tgt Ion:152 Resp: 56153
Ion Ratio Lower Upper
152 100
150 147.2 120.0 180.0
115 67.0 55.1 82.7

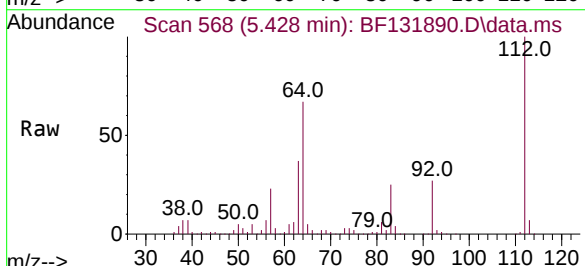
Manual Integrations

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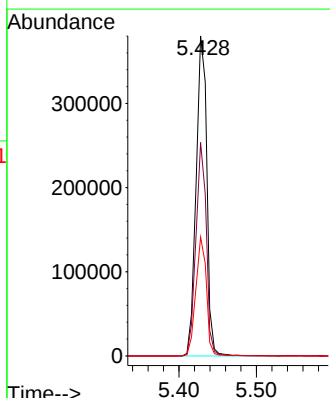
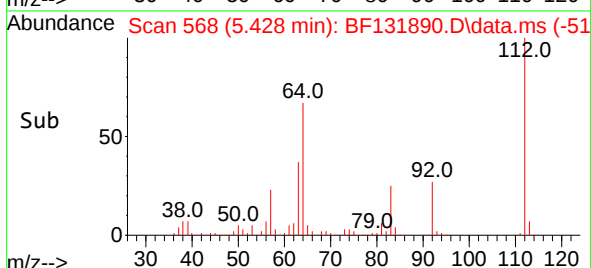
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022

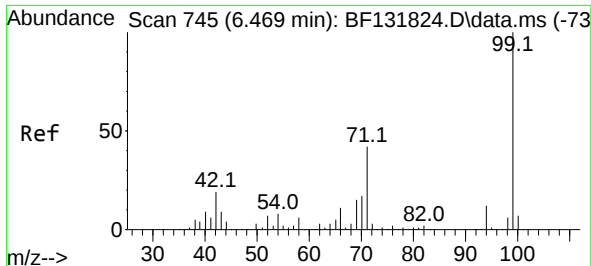


#5
2-Fluorophenol
Concen: 108.118 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31



Tgt Ion:112 Resp: 366346
Ion Ratio Lower Upper
112 100
64 66.7 49.2 73.8
63 37.1 27.5 41.3





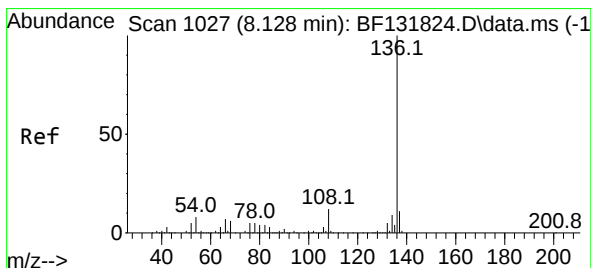
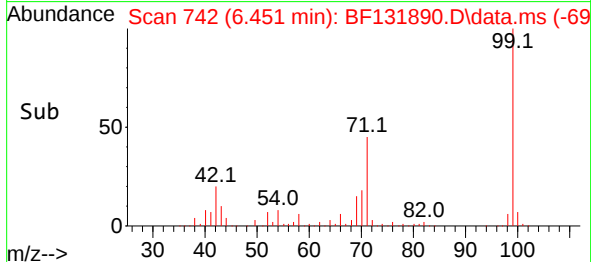
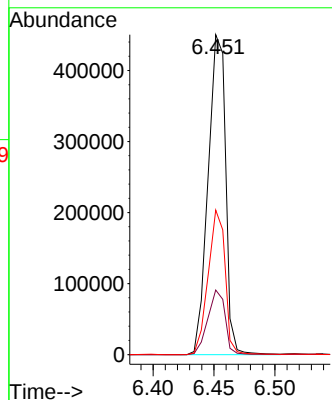
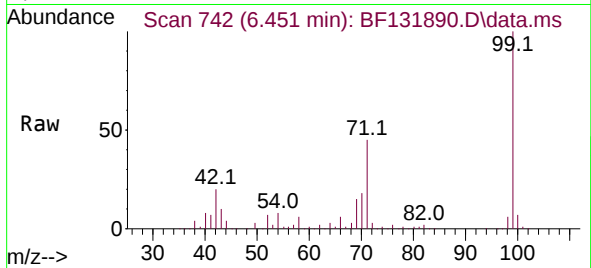
#7
Phenol-d6
Concen: 101.835 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Instrument :
BNA_F
ClientSampleId :
NB-8-122822

Tgt Ion: 99 Resp: 453340
Ion Ratio Lower Upper
99 100
42 20.2 15.3 22.9
71 45.2 33.5 50.3

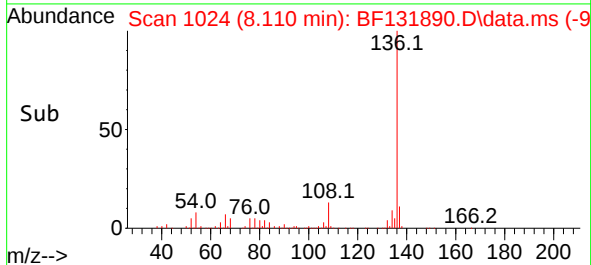
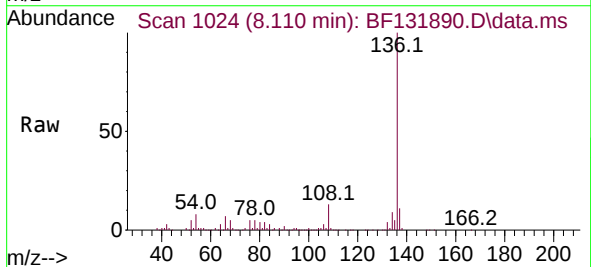
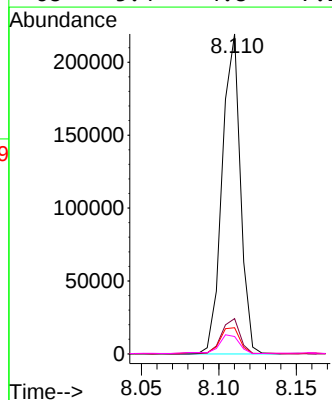
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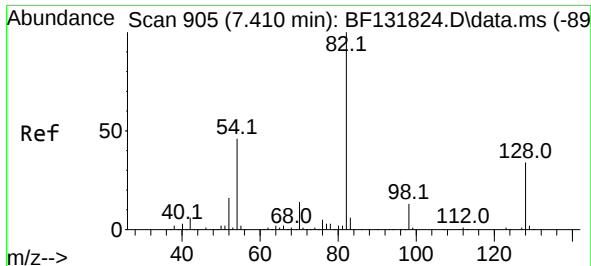
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.000 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:136 Resp: 180203
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 8.2 6.7 10.1
68 5.4 4.8 7.2





#23
Nitrobenzene-d5
Concen: 67.032 ng
RT: 7.387 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

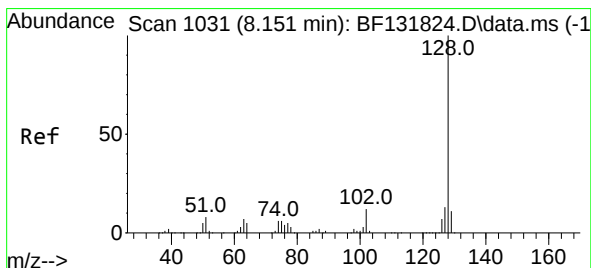
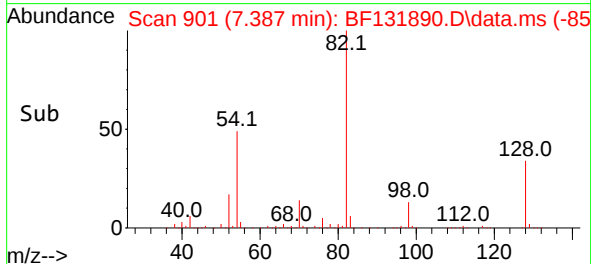
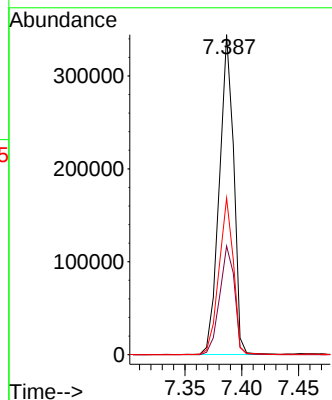
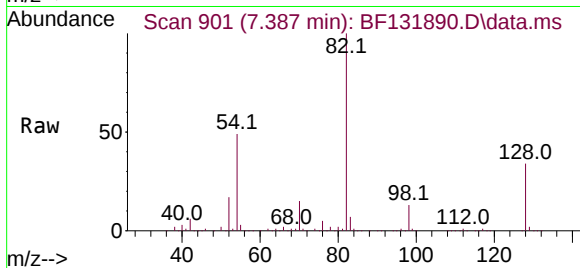
NB-8-122822

Tgt Ion: 82 Resp: 302548
Ion Ratio Lower Upper
82 100
128 33.9 27.1 40.7
54 48.9 37.0 55.6

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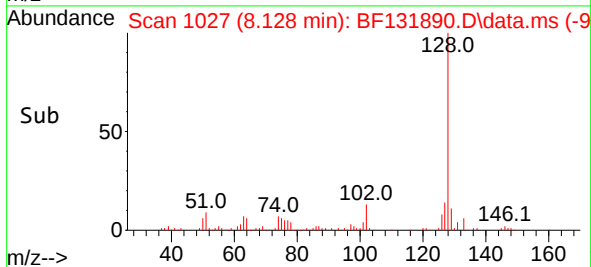
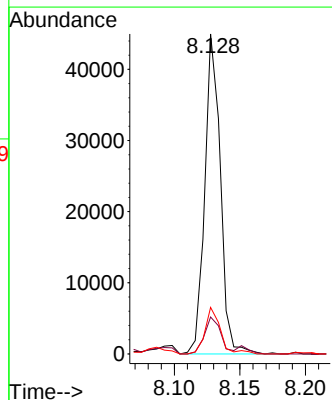
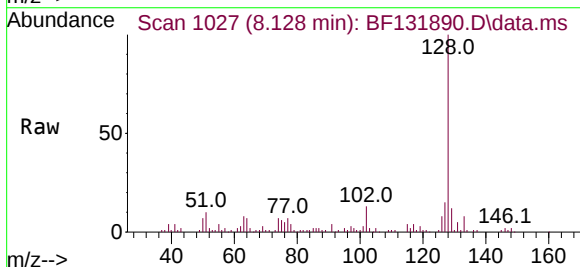
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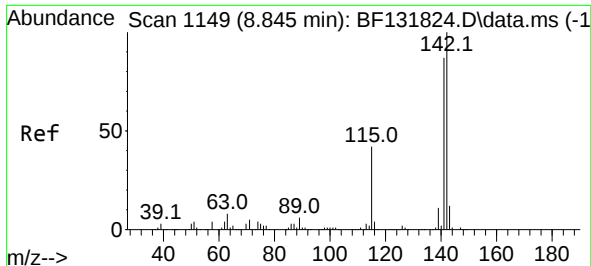
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#31
Naphthalene
Concen: 3.759 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:128 Resp: 37098
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 14.5 10.6 15.8





#37

2-Methylnaphthalene

Concen: 3.282 ng

RT: 8.822 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

NB-8-122822

Tgt Ion:142 Resp: 21739

Ion Ratio Lower Upper

142 100

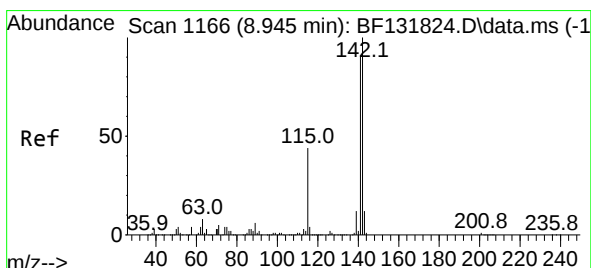
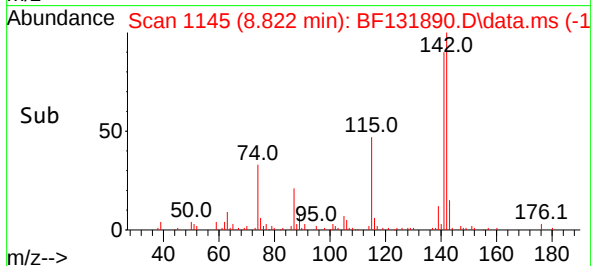
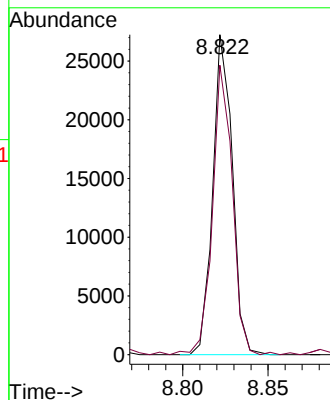
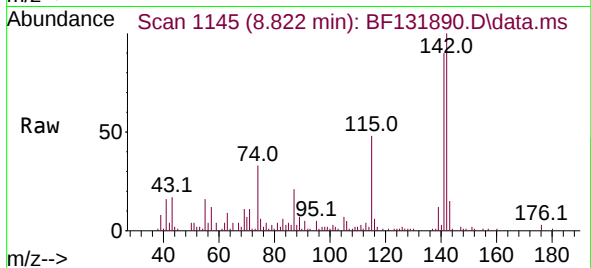
141 90.4 69.8 104.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/30/2022

Supervised By :Yogesh Patel 12/30/2022



#38

1-Methylnaphthalene

Concen: 2.341 ng

RT: 8.922 min Scan# 1162

Delta R.T. -0.006 min

Lab File: BF131890.D

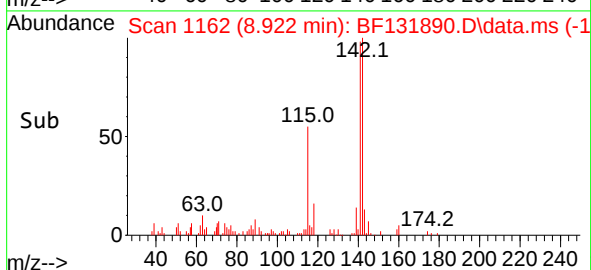
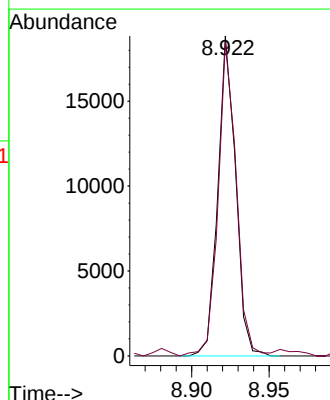
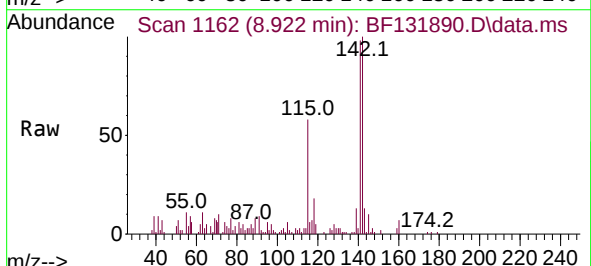
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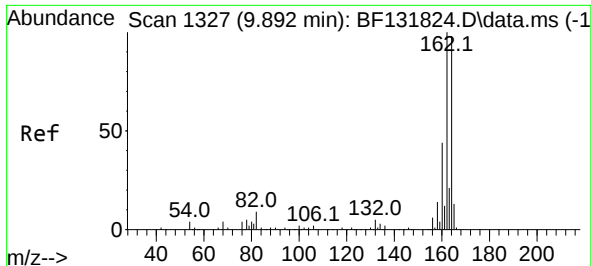
Tgt Ion:142 Resp: 15062

Ion Ratio Lower Upper

142 100

141 97.9 73.0 109.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

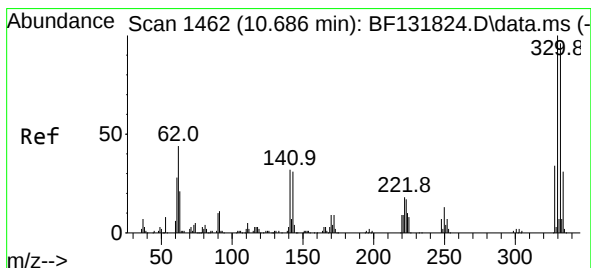
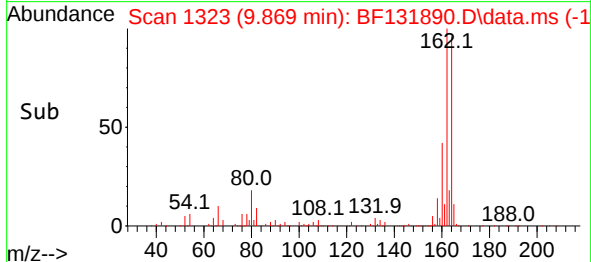
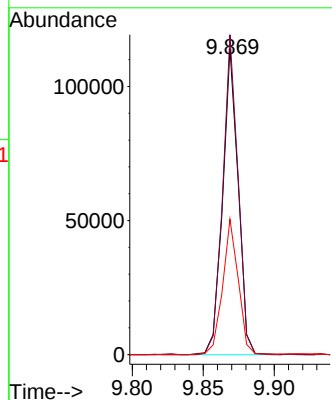
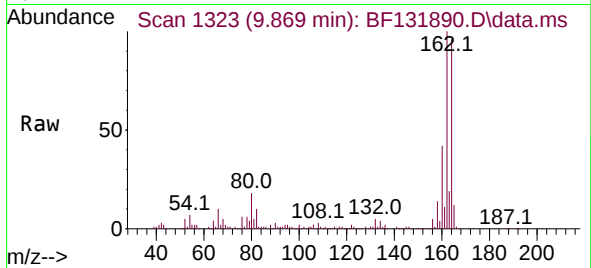
ClientSampleId :

NB-8-122822

Tgt Ion:164 Resp: 86742
Ion Ratio Lower Upper
164 100
162 104.5 81.8 122.6
160 44.3 35.7 53.5

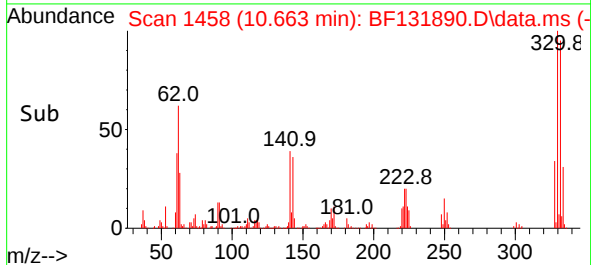
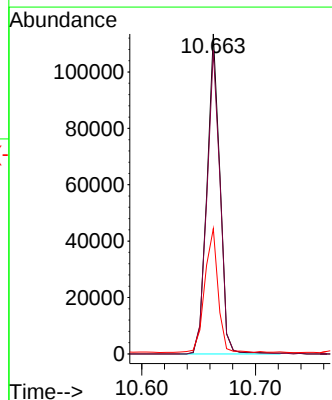
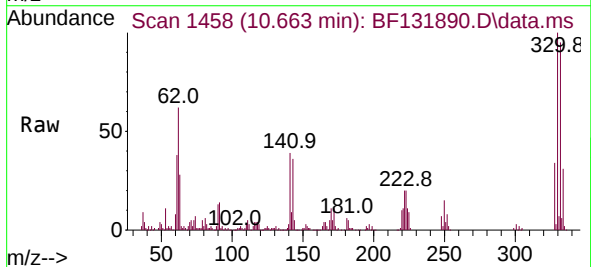
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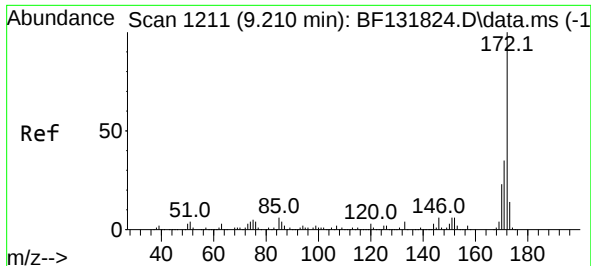
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#42
2,4,6-Tribromophenol
Concen: 95.322 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:330 Resp: 89837
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.4
141 39.7 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 68.678 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

NB-8-122822

Tgt Ion:172 Resp: 434920

Ion Ratio Lower Upper

172 100

171 34.6 27.9 41.9

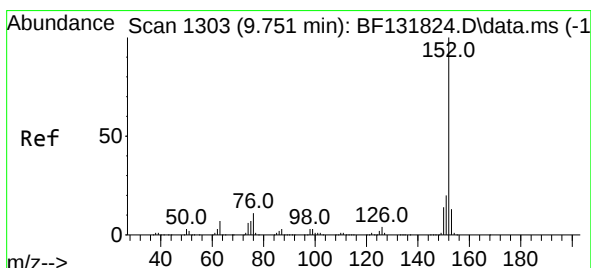
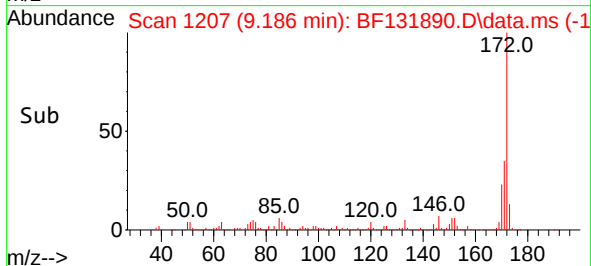
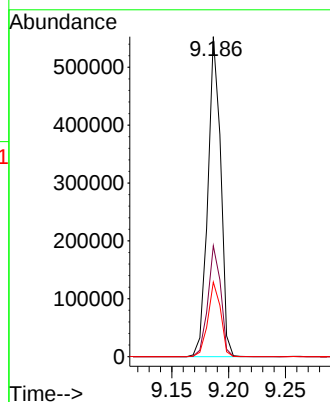
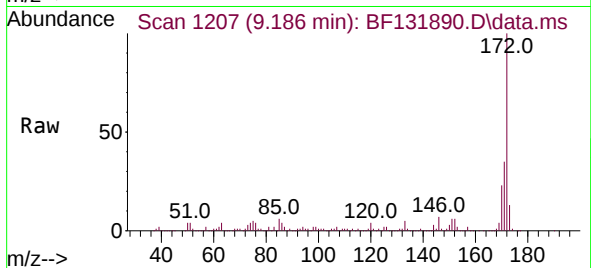
170 23.3 18.7 28.1

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/30/2022

Supervised By :Yogesh Patel 12/30/2022



#49

Acenaphthylene

Concen: 2.418 ng

RT: 9.728 min Scan# 1299

Delta R.T. -0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

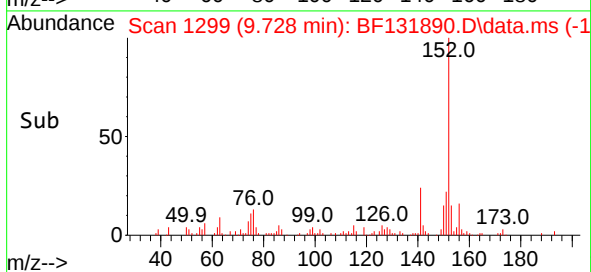
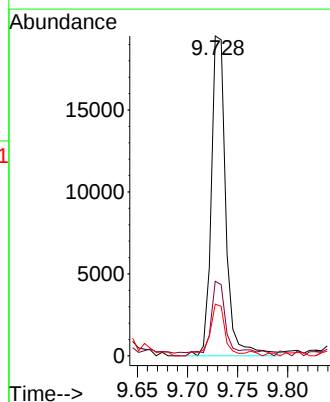
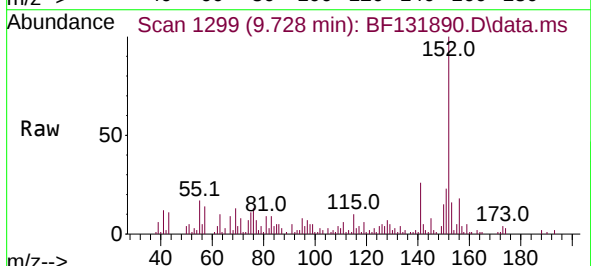
Tgt Ion:152 Resp: 19779

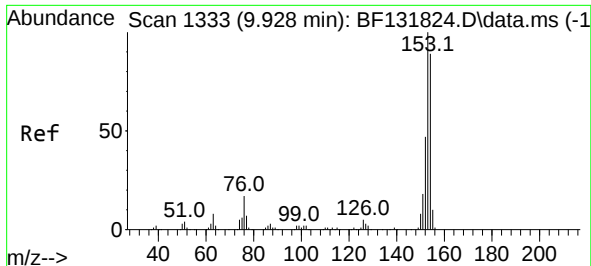
Ion Ratio Lower Upper

152 100

151 23.3 15.8 23.6

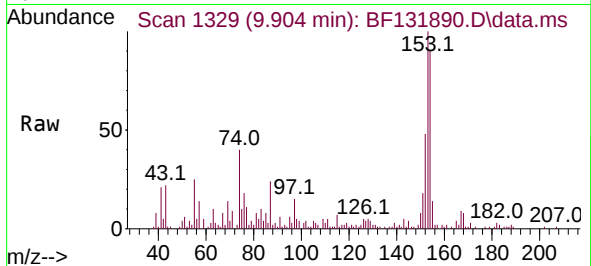
153 16.2 10.2 15.4#





#52
Acenaphthene
Concen: 3.578 ng
RT: 9.904 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

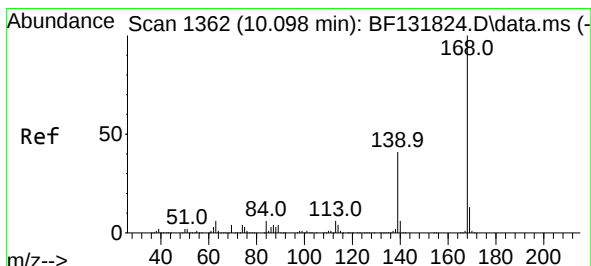
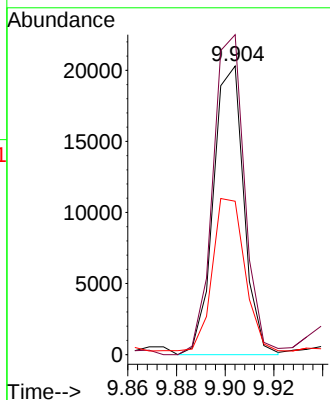
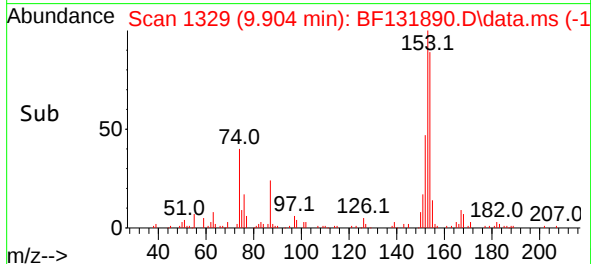
Instrument :
BNA_F
ClientSampleId :
NB-8-122822



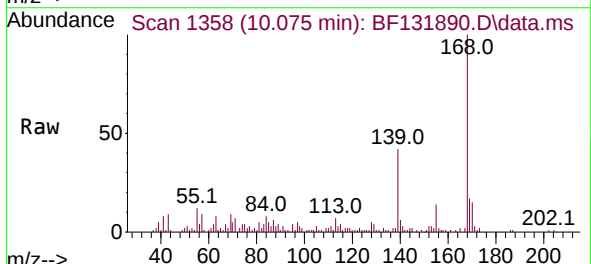
Tgt Ion:154 Resp: 17668
Ion Ratio Lower Upper
154 100
153 110.9 90.2 135.2
152 53.2 42.5 63.7

Manual Integrations
APPROVED

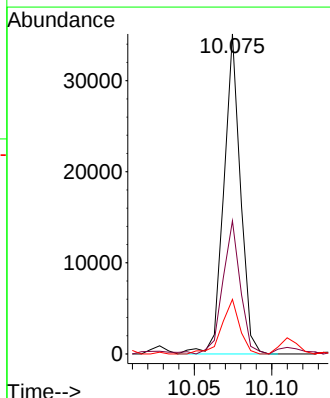
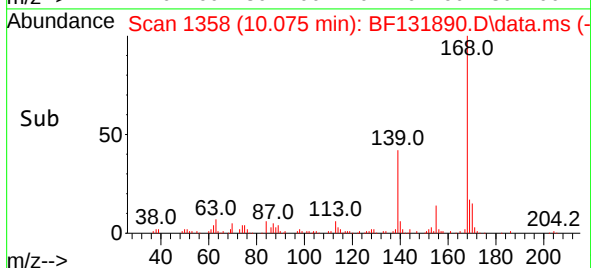
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022

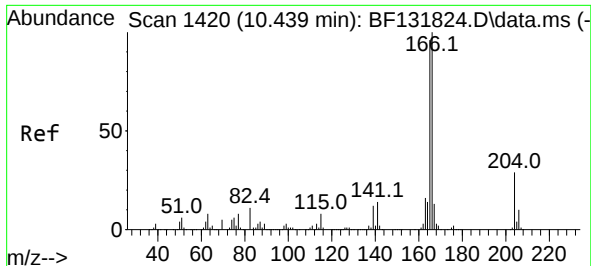


#55
Dibenzofuran
Concen: 3.449 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31



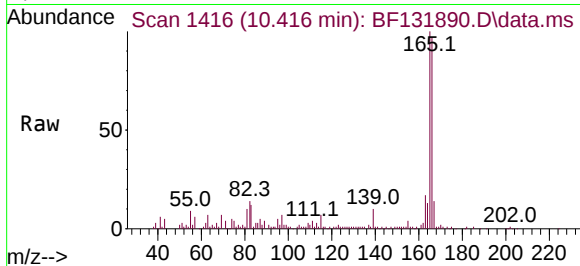
Tgt Ion:168 Resp: 26240
Ion Ratio Lower Upper
168 100
139 41.6 32.6 49.0
169 17.0 10.5 15.7#





#58
Fluorene
Concen: 6.392 ng m
RT: 10.416 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

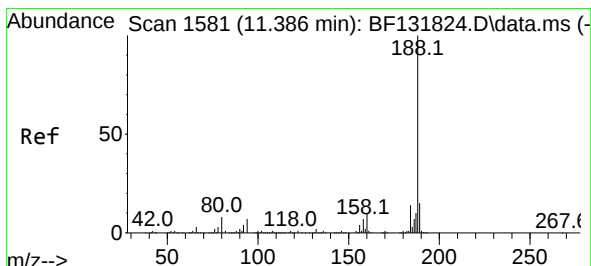
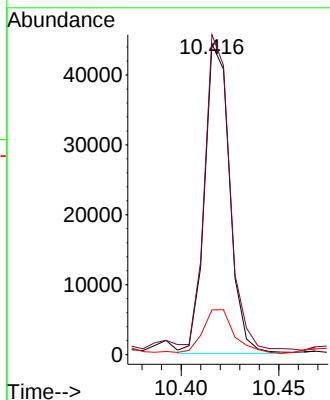
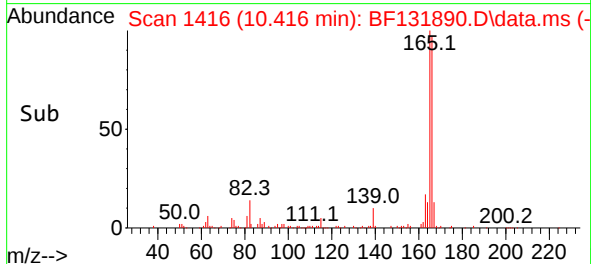
Instrument :
BNA_F
ClientSampleId :
NB-8-122822



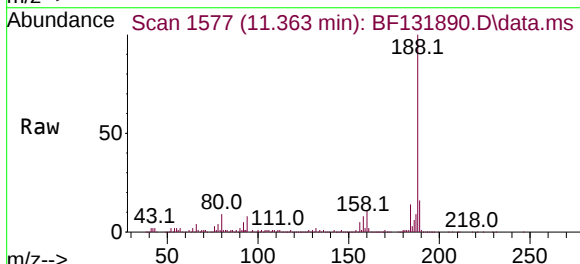
Tgt Ion:166 Resp: 39695
Ion Ratio Lower Upper
166 100
165 103.0 77.0 115.4
167 14.4 10.4 15.6

Manual Integrations
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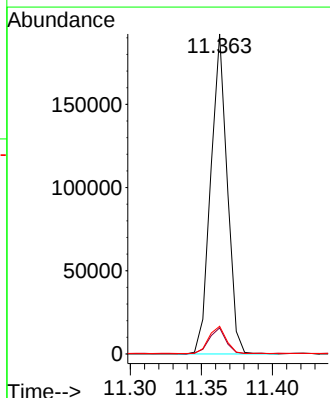
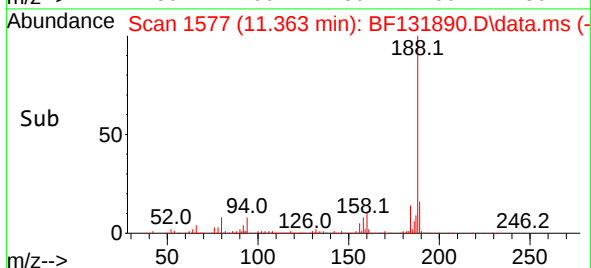
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022

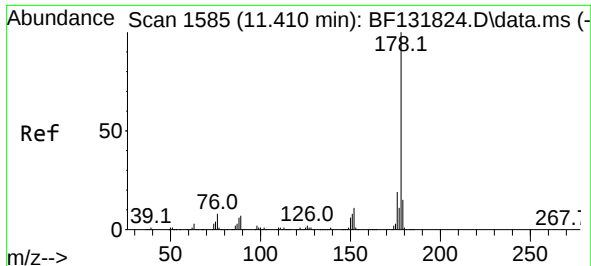


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31



Tgt Ion:188 Resp: 155013
Ion Ratio Lower Upper
188 100
94 8.1 5.8 8.6
80 8.6 6.7 10.1





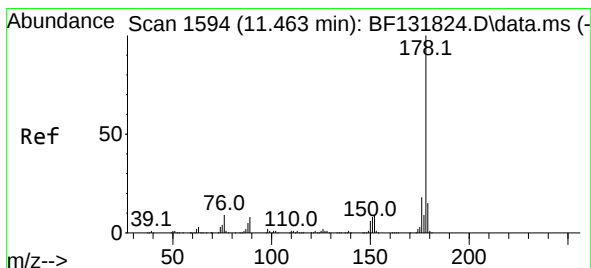
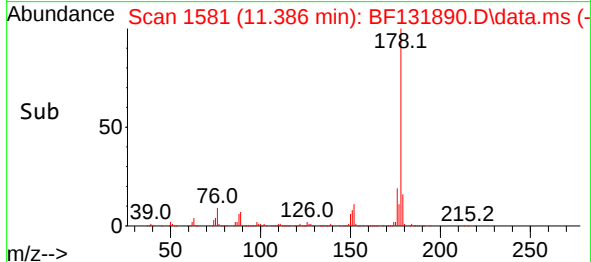
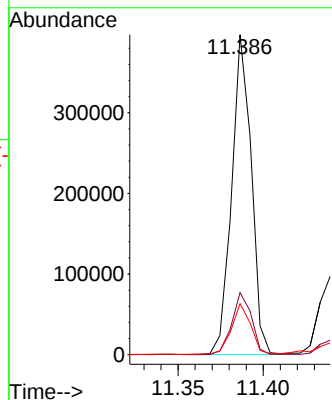
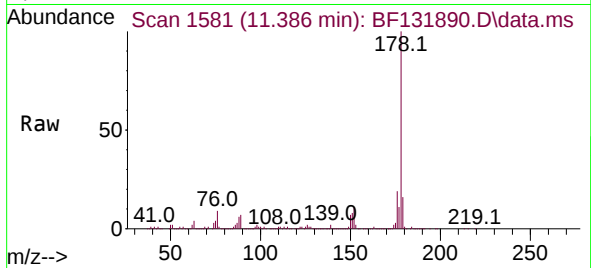
#71
Phenanthrene
Concen: 37.113 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Instrument :
BNA_F
ClientSampleId :
NB-8-122822

Tgt Ion:178 Resp: 316364
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.9 12.2 18.4

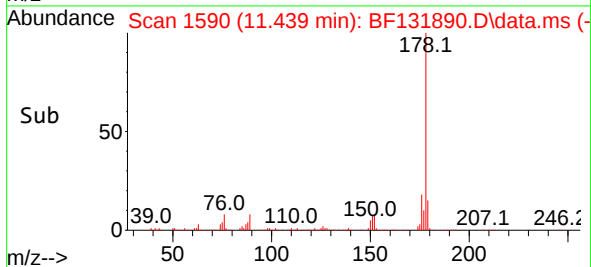
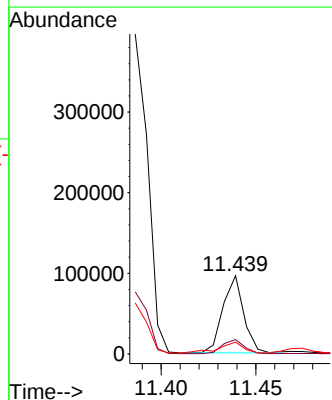
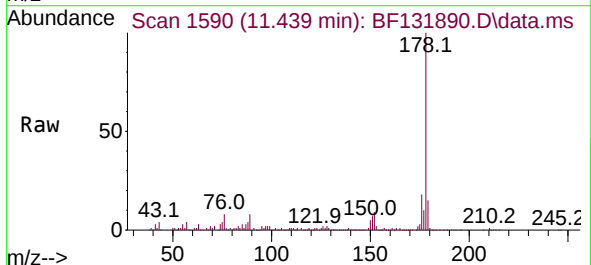
Manual Integrations
APPROVED

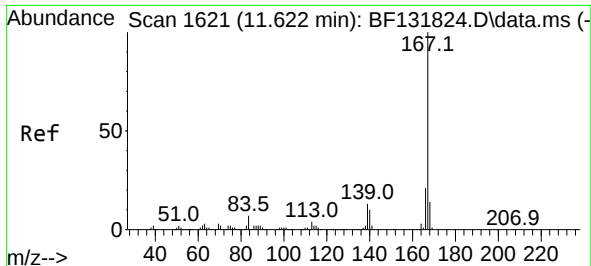
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#72
Anthracene
Concen: 8.847 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:178 Resp: 73775
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 15.0 12.2 18.2





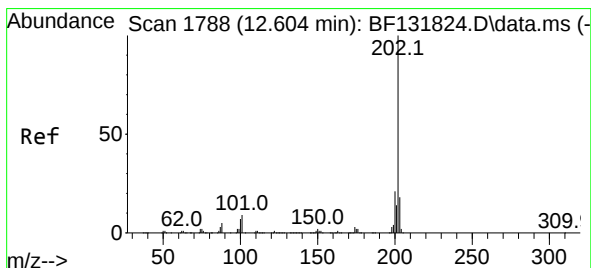
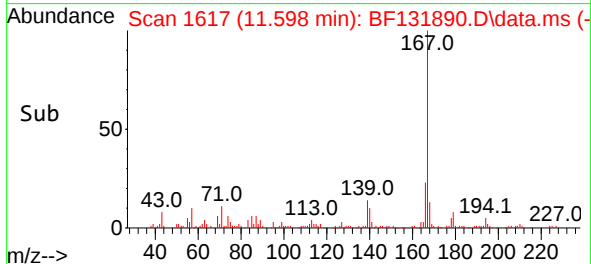
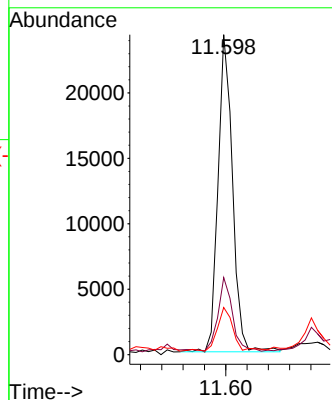
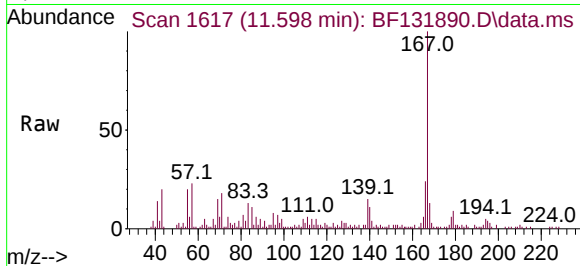
#73
 Carbazole
 Concen: 3.113 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: BF131890.D
 Acq: 29 Dec 2022 21:31

Instrument :
 BNA_F
 ClientSampleId :
 NB-8-122822

Tgt Ion:167 Resp: 22915
 Ion Ratio Lower Upper
 167 100
 166 24.1 16.6 24.8
 139 14.7 10.6 15.8

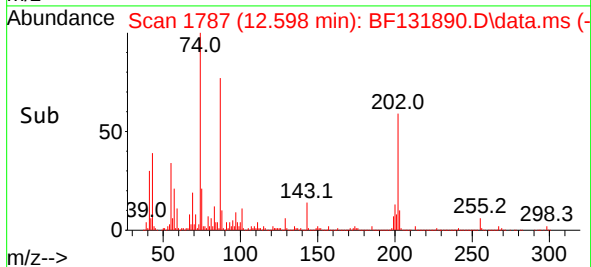
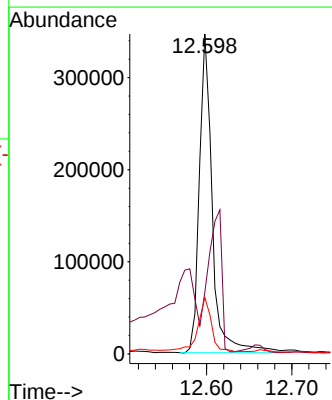
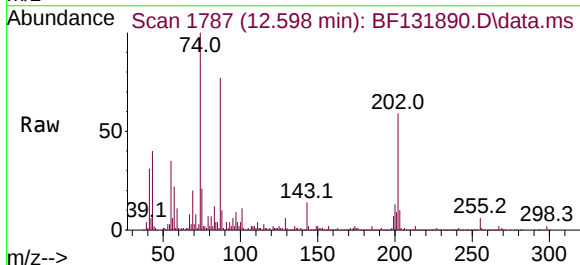
Manual Integrations
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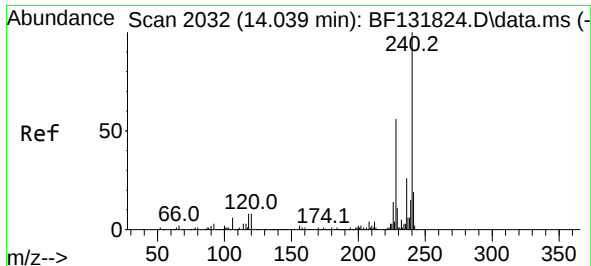
Reviewed By :Jagrut Upadhyay 12/30/2022
 Supervised By :Yogesh Patel 12/30/2022



#75
 Fluoranthene
 Concen: 36.659 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. 0.018 min
 Lab File: BF131890.D
 Acq: 29 Dec 2022 21:31

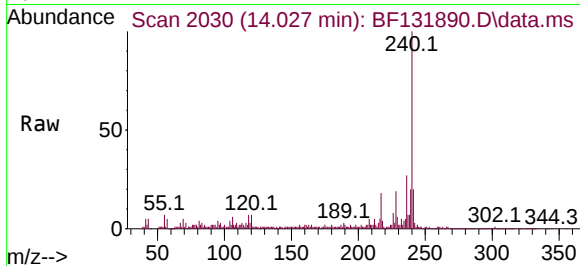
Tgt Ion:202 Resp: 363993
 Ion Ratio Lower Upper
 202 100
 101 19.3 0.0 28.6
 203 17.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

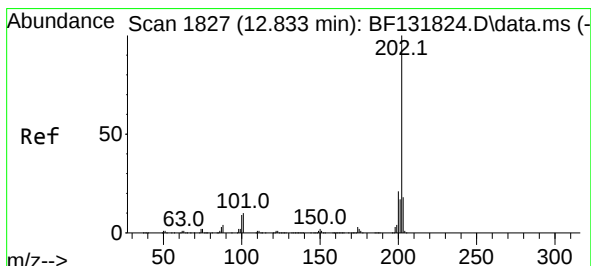
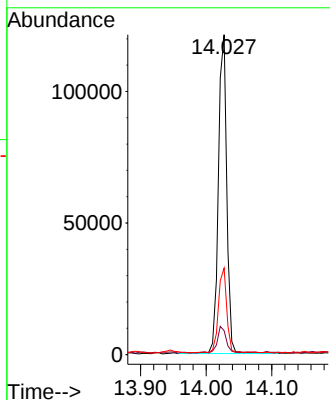
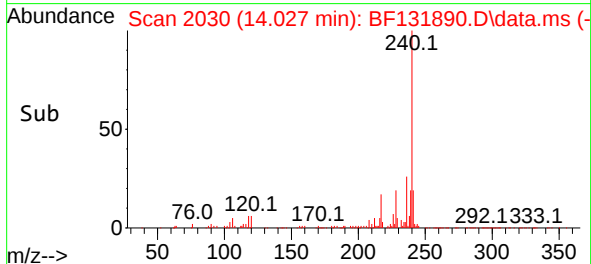
Instrument :
BNA_F
ClientSampleId :
NB-8-122822



Tgt Ion:240 Resp: 108308
Ion Ratio Lower Upper
240 100
120 7.5 6.7 10.1
236 27.0 20.6 31.0

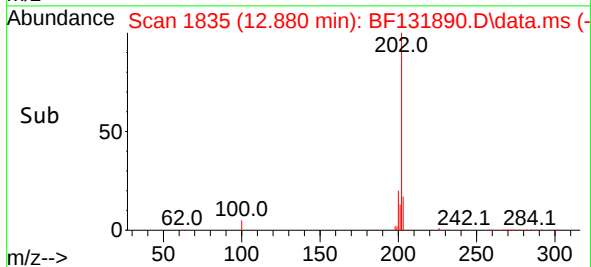
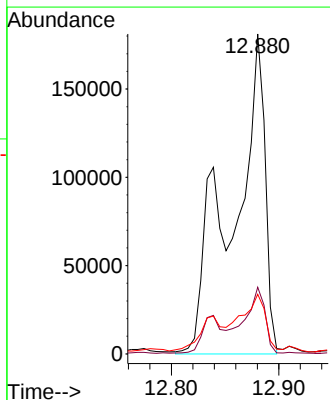
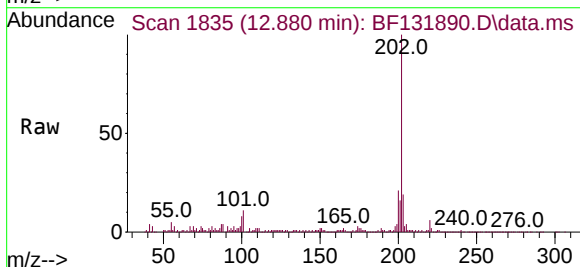
Manual Integrations
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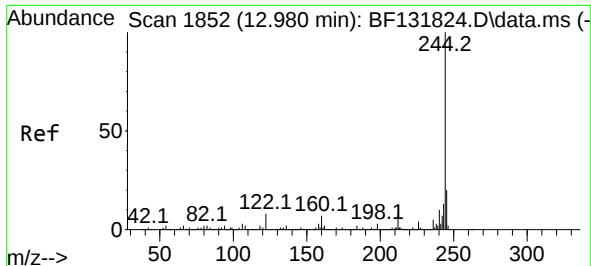
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#78
Pyrene
Concen: 42.138 ng m
RT: 12.880 min Scan# 1835
Delta R.T. 0.065 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:202 Resp: 382525
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 18.6 14.4 21.6





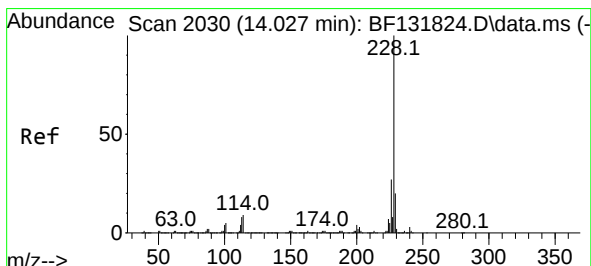
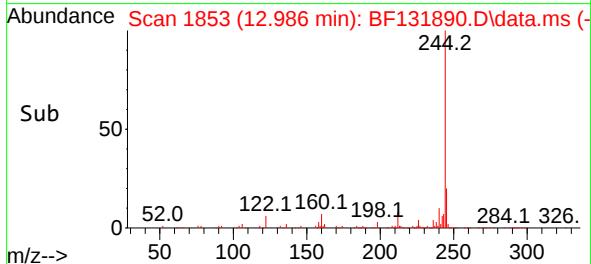
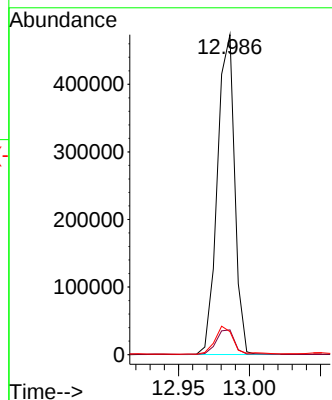
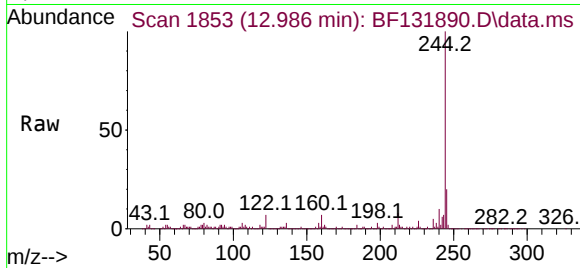
#79
 Terphenyl-d14
 Concen: 62.670 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.029 min
 Lab File: BF131890.D
 Acq: 29 Dec 2022 21:31

Instrument :
 BNA_F
 ClientSampleId :
 NB-8-122822

Tgt Ion:244 Resp: 401274
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 7.2 6.4 9.6

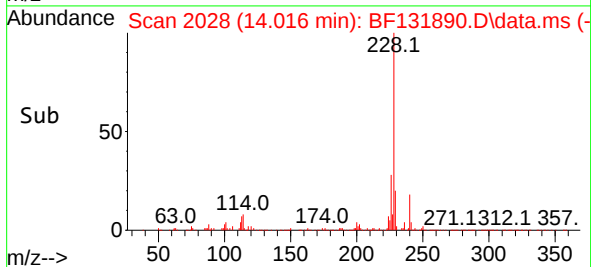
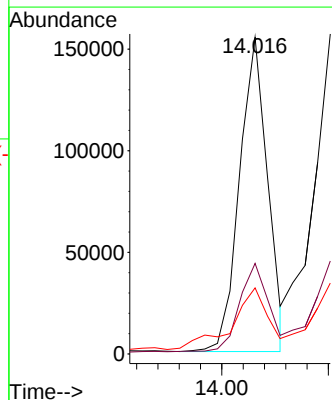
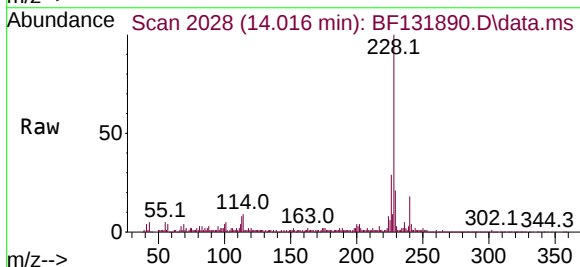
Manual Integrations
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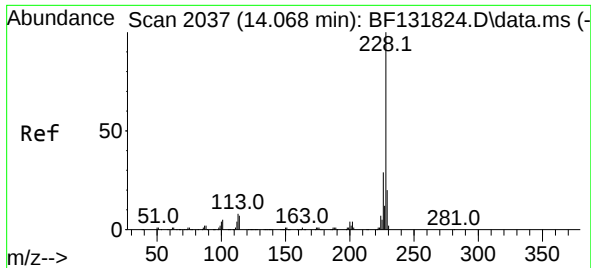
Reviewed By :Jagrut Upadhyay 12/30/2022
 Supervised By :Yogesh Patel 12/30/2022



#81
 Benzo(a)anthracene
 Concen: 18.129 ng
 RT: 14.016 min Scan# 2028
 Delta R.T. 0.012 min
 Lab File: BF131890.D
 Acq: 29 Dec 2022 21:31

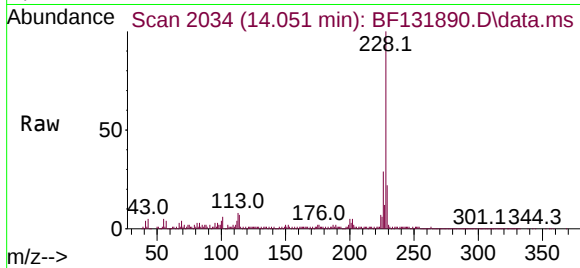
Tgt Ion:228 Resp: 142162
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.0 33.0
 229 20.9 16.0 24.0





#83
Chrysene
Concen: 20.210 ng m
RT: 14.051 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

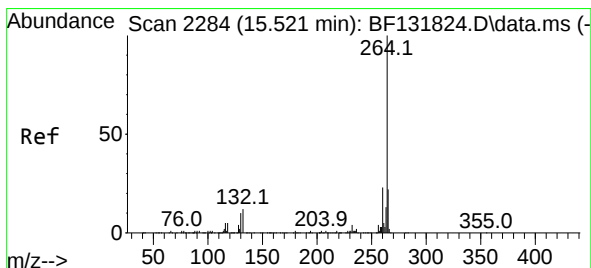
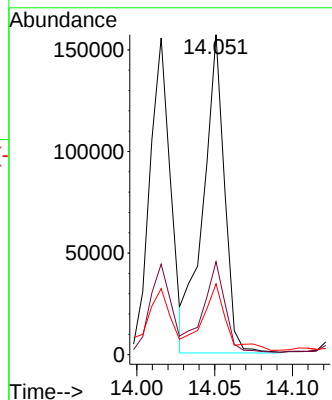
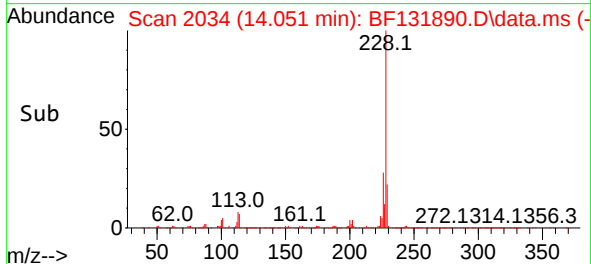
Instrument :
BNA_F
ClientSampleId :
NB-8-122822



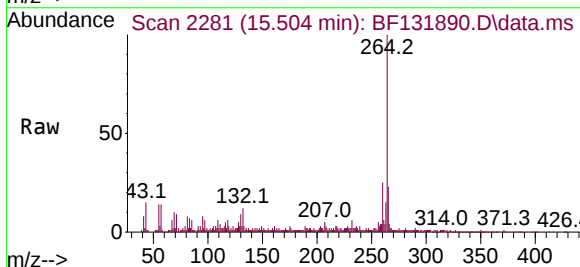
Tgt Ion:228 Resp: 148927
Ion Ratio Lower Upper
228 100
226 29.0 23.5 35.3
229 22.1 16.2 24.2

Manual Integrations
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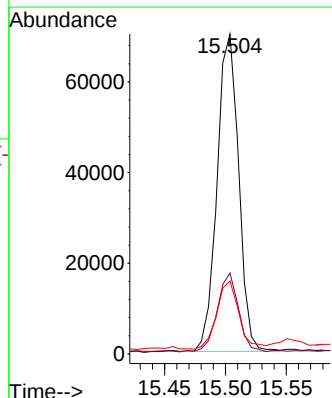
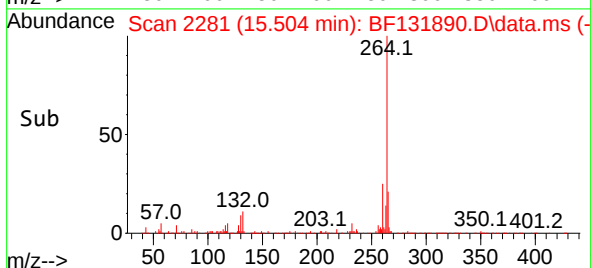
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022

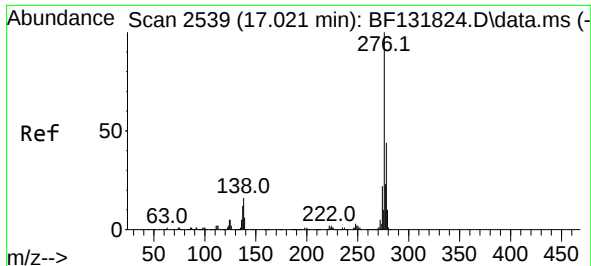


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31



Tgt Ion:264 Resp: 86466
Ion Ratio Lower Upper
264 100
260 25.3 18.6 28.0
265 22.8 17.4 26.0





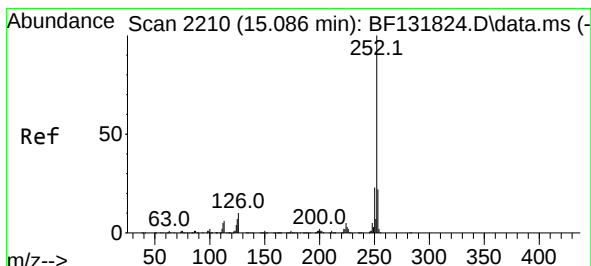
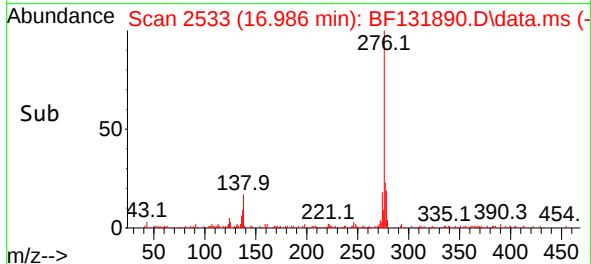
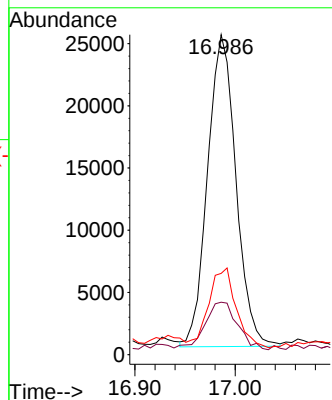
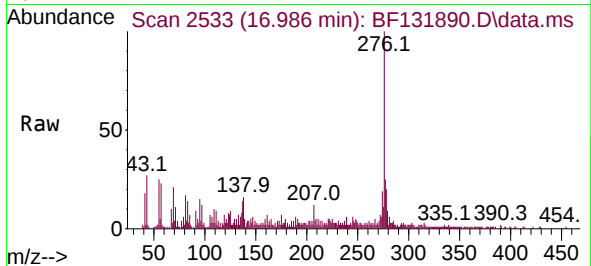
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.000 ng
 RT: 16.986 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF131890.D
 Acq: 29 Dec 2022 21:31

Instrument :
 BNA_F
 ClientSampleId :
 NB-8-122822

Tgt Ion:276 Resp: 4944
 Ion Ratio Lower Upper
 276 100
 138 17.5 14.5 21.7
 277 24.7 19.7 29.5

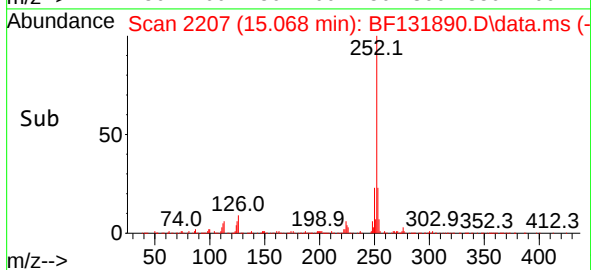
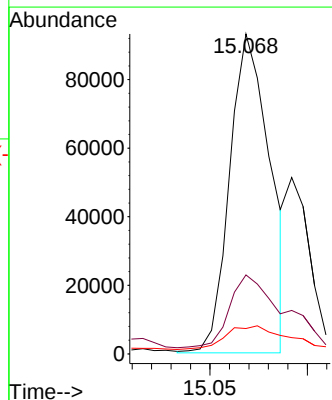
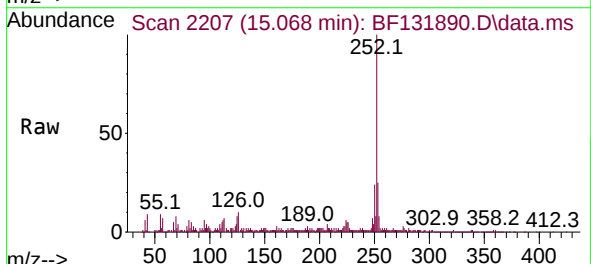
Manual Integrations
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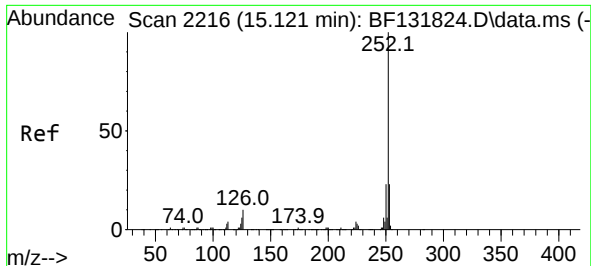
Reviewed By :Jagrut Upadhyay 12/30/2022
 Supervised By :Yogesh Patel 12/30/2022



#88
 Benzo(b)fluoranthene
 Concen: 21.127 ng m
 RT: 15.068 min Scan# 2207
 Delta R.T. 0.006 min
 Lab File: BF131890.D
 Acq: 29 Dec 2022 21:31

Tgt Ion:252 Resp: 133945
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.6 26.4
 125 7.9 5.8 8.8





#89

Benzo(k)fluoranthene

Concen: 6.923 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

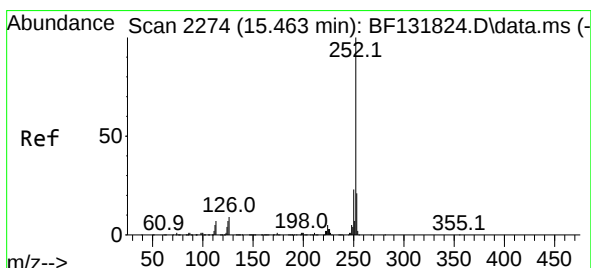
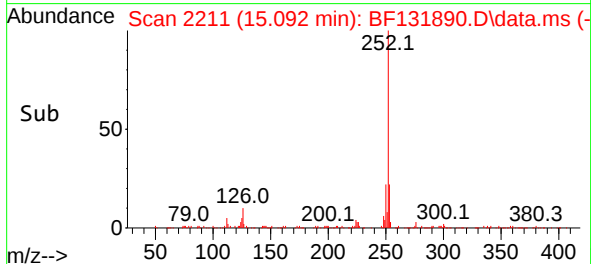
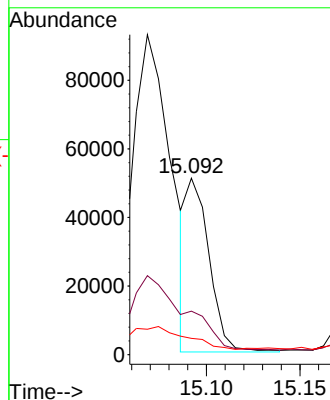
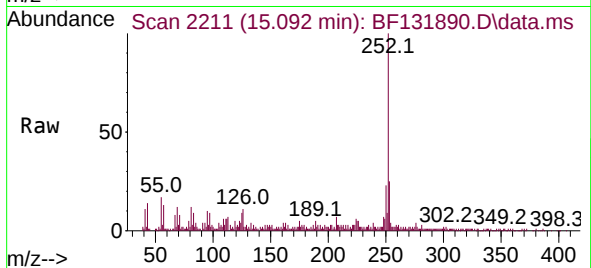
NB-8-122822

Tgt Ion:252 Resp: 42408
 Ion Ratio Lower Upper
 252 100
 253 24.6 17.7 26.5
 125 9.2 5.4 8.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/30/2022
 Supervised By :Yogesh Patel 12/30/2022



#90

Benzo(a)pyrene

Concen: 18.788 ng

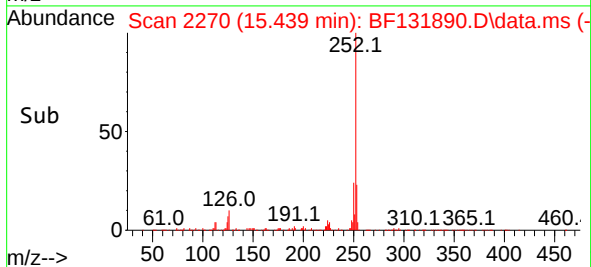
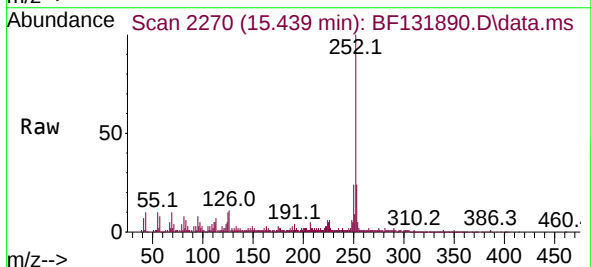
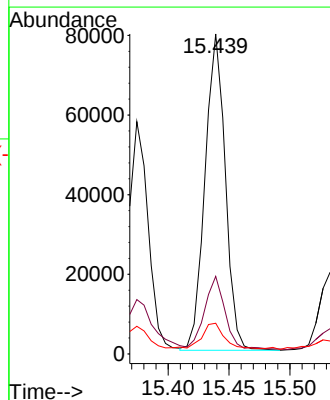
RT: 15.439 min Scan# 2270

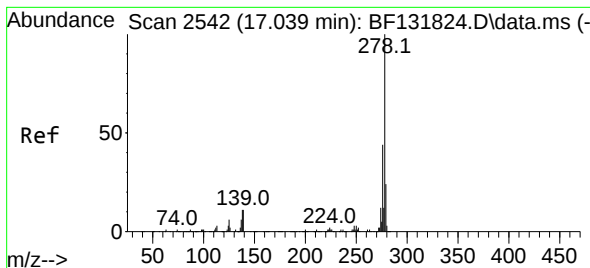
Delta R.T. 0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Tgt Ion:252 Resp: 92223
 Ion Ratio Lower Upper
 252 100
 253 24.2 16.6 24.8
 125 9.6 5.8 8.8





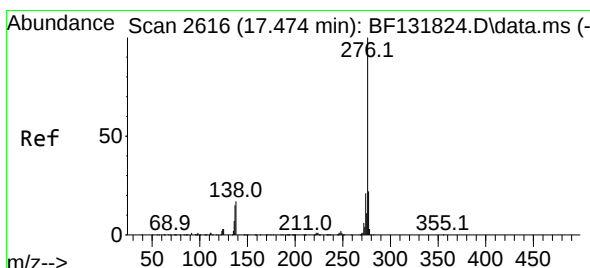
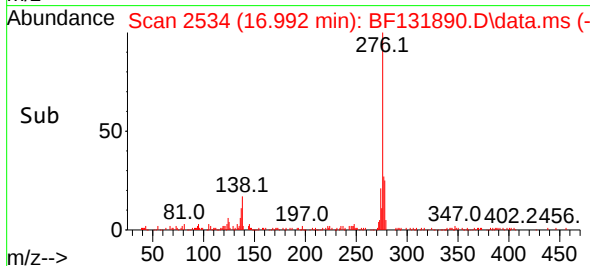
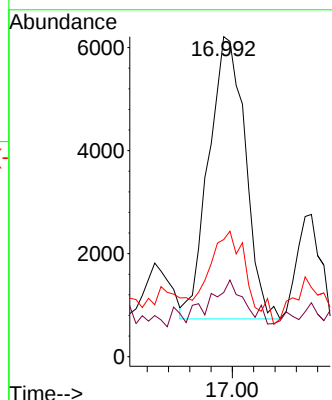
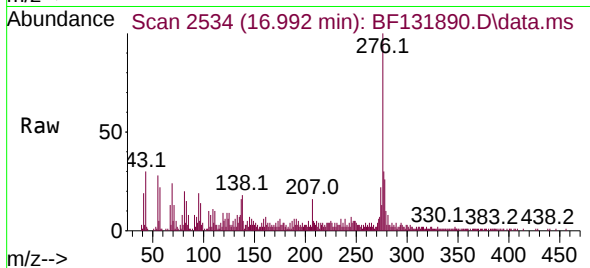
#91
Dibenzo(a,h)anthracene
Concen: 2.892 ng
RT: 16.992 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Instrument :
BNA_F
ClientSampleId :
NB-8-122822

Tgt Ion:278 Resp: 13015
Ion Ratio Lower Upper
278 100
139 20.0 8.6 12.8
279 36.6 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#92
Benzo(g,h,i)perylene
Concen: 13.641 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.012 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:276 Resp: 50152
Ion Ratio Lower Upper
276 100
277 26.0 17.9 26.9
138 20.3 13.7 20.5

