

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
 Data File : BF131891.D
 Acq On : 29 Dec 2022 22:02
 Operator : CG\JU
 Sample : N6224-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-3-122822

Manual Integrations
 APPROVED

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

Quant Time: Dec 30 02:13:34 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	57258	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	181748	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	88625	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	153575	20.000	ng	0.00
76) Chrysene-d12	14.021	240	107236	20.000	ng	0.00
86) Perylene-d12	15.504	264	83050	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	376796	109.056	ng	0.01
7) Phenol-d6	6.457	99	468089	103.119	ng	0.00
23) Nitrobenzene-d5	7.386	82	315085	69.217	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	94819	98.471	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	471492	72.871	ng	0.00
79) Terphenyl-d14	12.957	244	478879	75.537	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.733	152	26631	3.186	ng	97
58) Fluorene	10.422	166	13403	2.112	ng	# 99
71) Phenanthrene	11.386	178	152436	18.050	ng	99
72) Anthracene	11.439	178	39655	4.800	ng	97
73) Carbazole	11.598	167	21816	2.991	ng	97
75) Fluoranthene	12.586	202	367932	37.403	ng	100
78) Pyrene	12.816	202	337140	37.509	ng	99
81) Benzo(a)anthracene	14.010	228	160439	20.664	ng	94
83) Chrysene	14.045	228	152353	20.882	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	72185	13.681	ng	98
88) Benzo(b)fluoranthene	15.068	252	174002m	28.574	ng	
89) Benzo(k)fluoranthene	15.098	252	62327m	10.593	ng	
90) Benzo(a)pyrene	15.439	252	116660	24.744	ng	# 92
91) Dibenzo(a,h)anthracene	16.998	278	17396	4.025	ng	# 68
92) Benzo(g,h,i)perylene	17.445	276	69737	17.398	ng	96

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

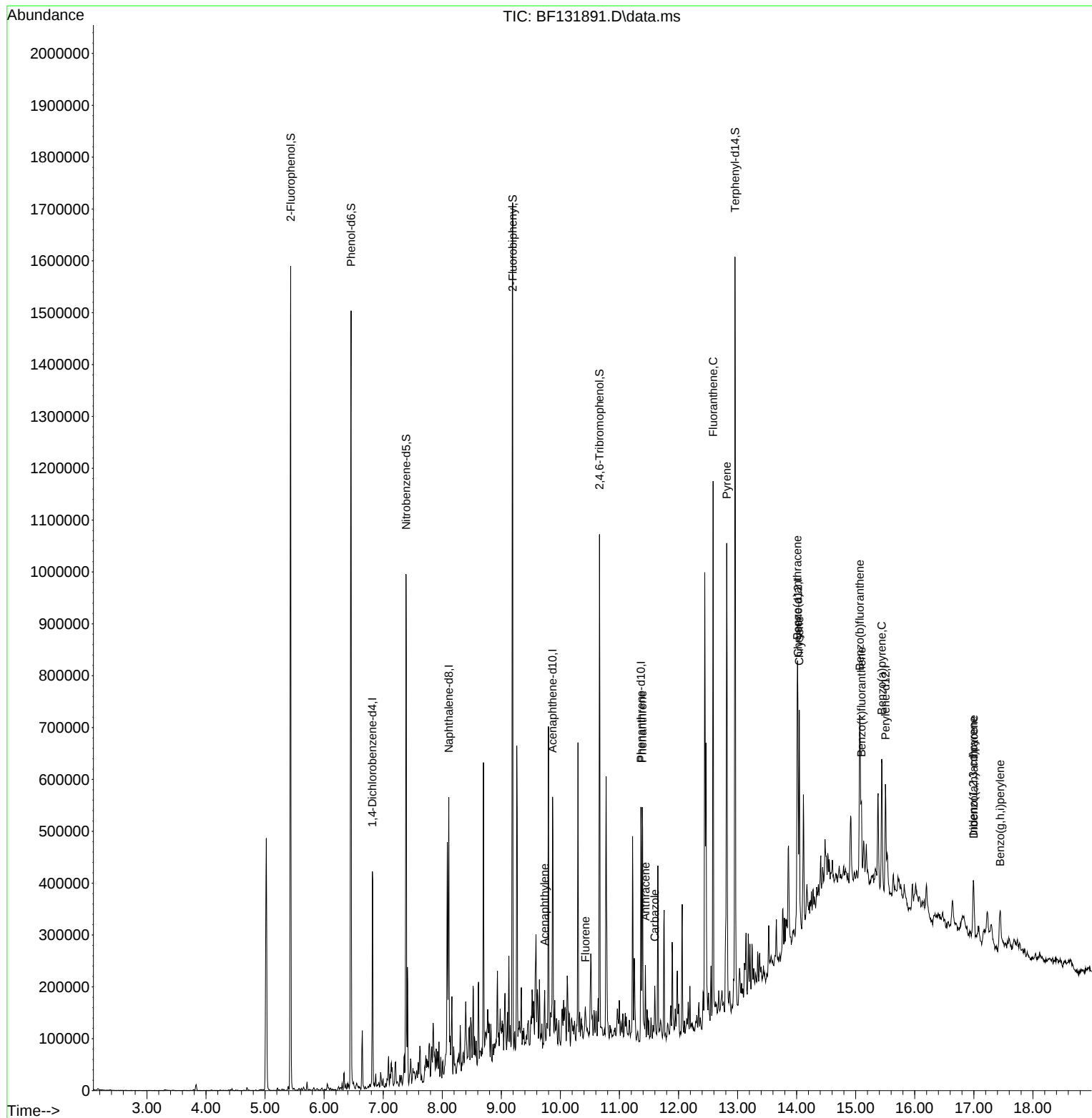
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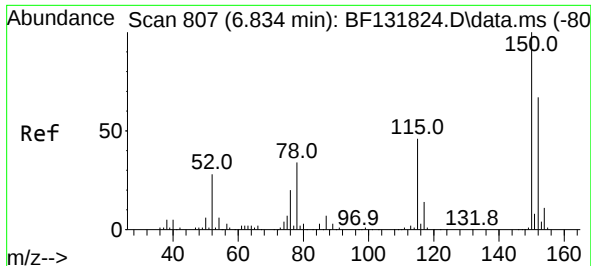
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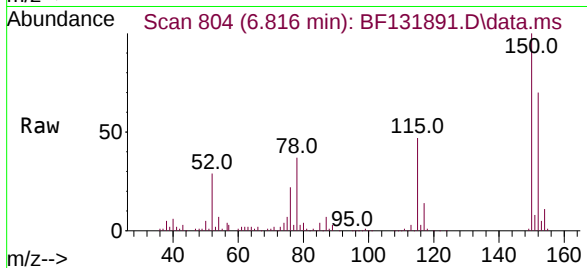
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 30 02:06:40 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

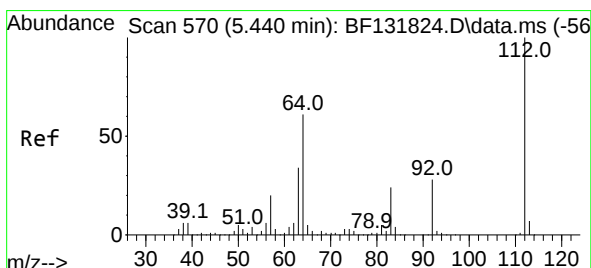
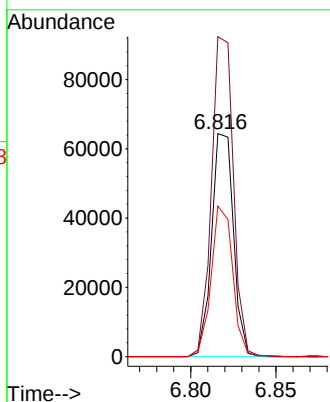
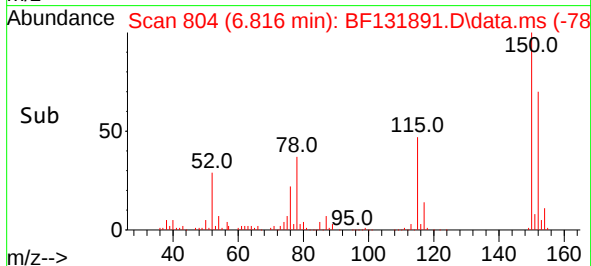
Instrument :
BNA_F
ClientSampleId :
OK-3-122822



Tgt Ion:152 Resp: 57258
Ion Ratio Lower Upper
152 100
150 143.5 120.0 180.0
115 67.5 55.1 82.7

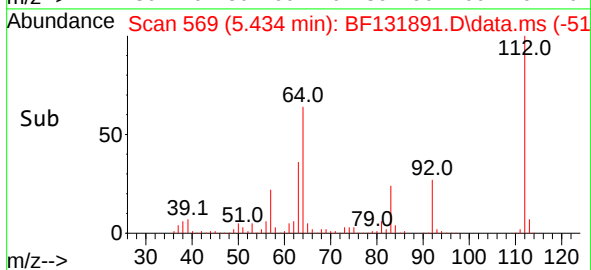
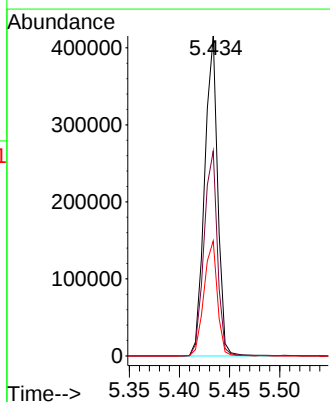
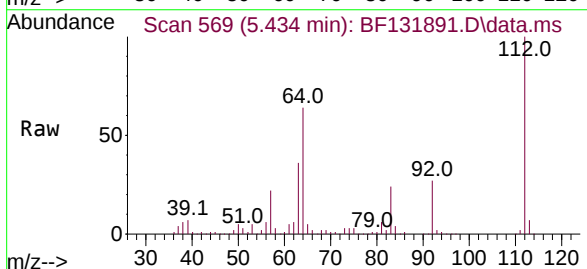
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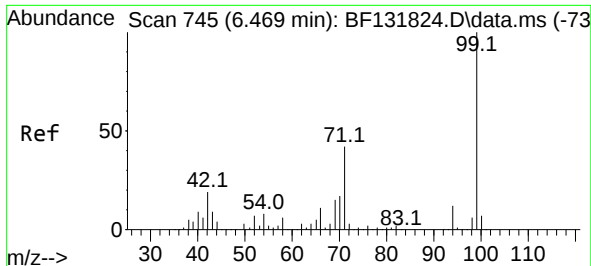
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#5
2-Fluorophenol
Concen: 109.056 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

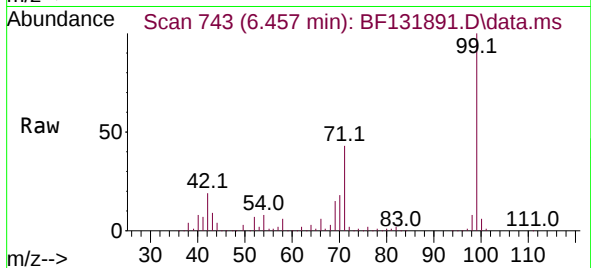
Tgt Ion:112 Resp: 376796
Ion Ratio Lower Upper
112 100
64 64.0 49.2 73.8
63 35.9 27.5 41.3





#7
Phenol-d6
Concen: 103.119 ng
RT: 6.457 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

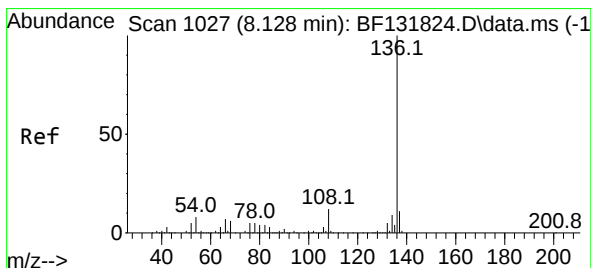
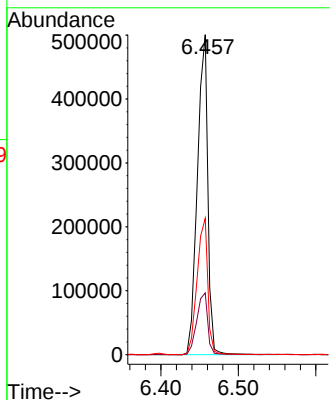
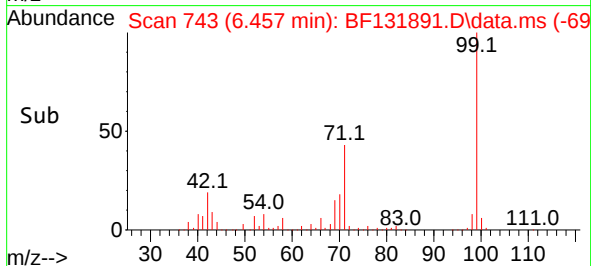
Instrument :
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Tgt Ion: 99 Resp: 468089
Ion Ratio Lower Upper
99 100
42 19.3 15.3 22.9
71 42.6 33.5 50.3

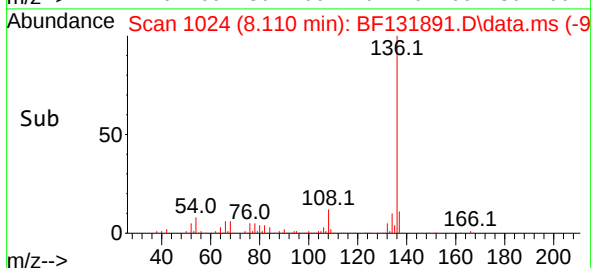
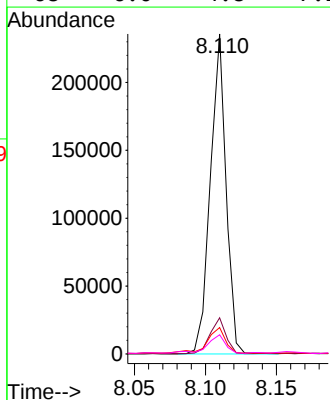
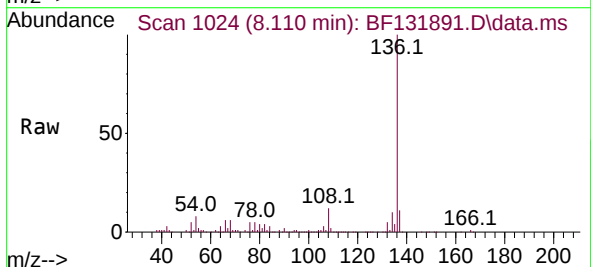
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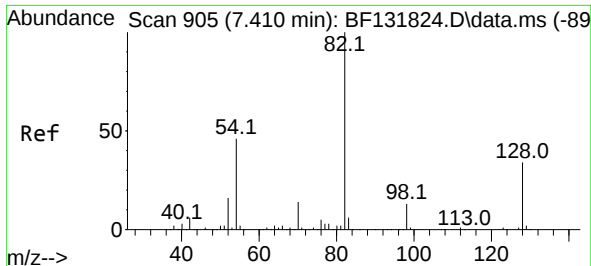
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.000 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

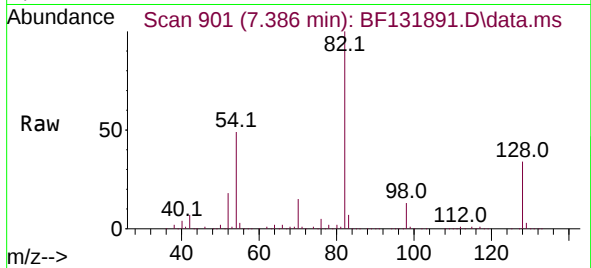
Tgt Ion:136 Resp: 181748
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 8.2 6.7 10.1
68 6.0 4.8 7.2





#23
Nitrobenzene-d5
Concen: 69.217 ng
RT: 7.386 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

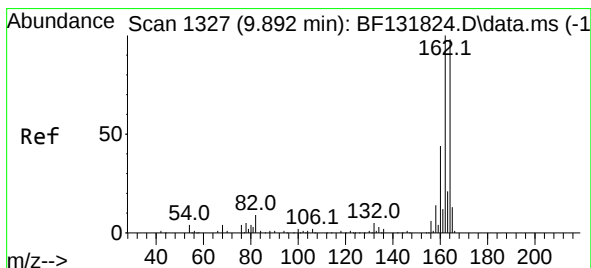
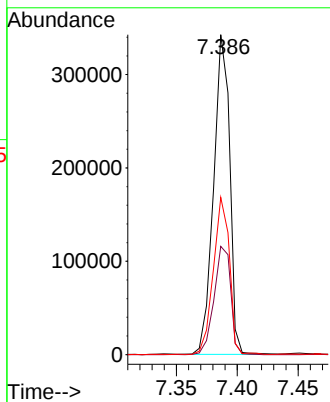
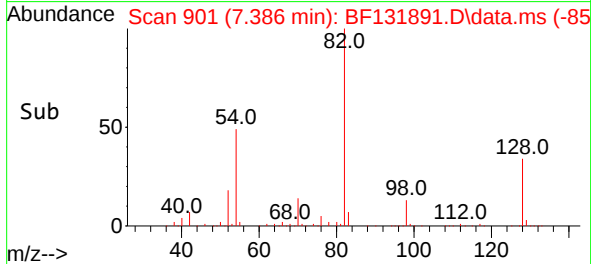
Instrument :
BNA_F
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OK-3-122822



Tgt Ion: 82 Resp: 315085
Ion Ratio Lower Upper
82 100
128 33.8 27.1 40.7
54 49.1 37.0 55.6

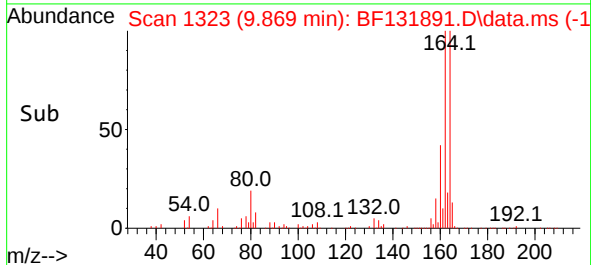
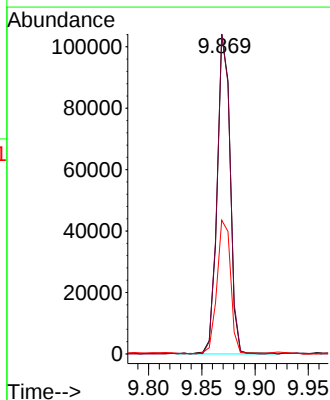
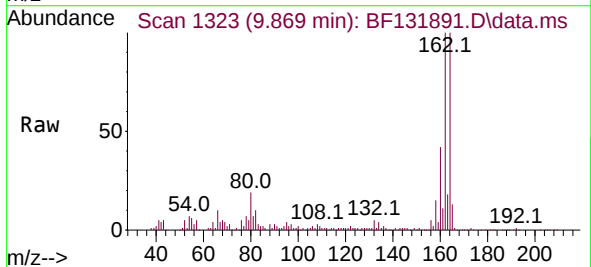
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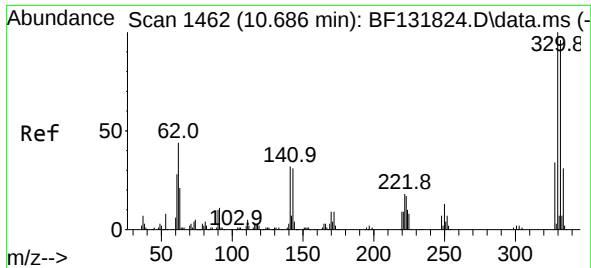
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Tgt Ion:164 Resp: 88625
Ion Ratio Lower Upper
164 100
162 100.1 81.8 122.6
160 41.8 35.7 53.5





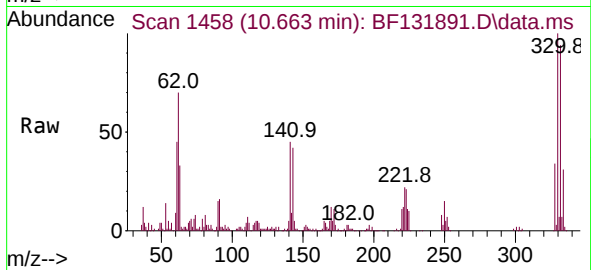
#42
2,4,6-Tribromophenol
Concen: 98.471 ng
RT: 10.663 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Instrument :

BNA_F

ClientSampleId :

OK-3-122822

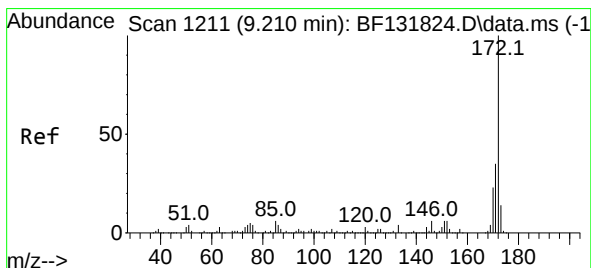
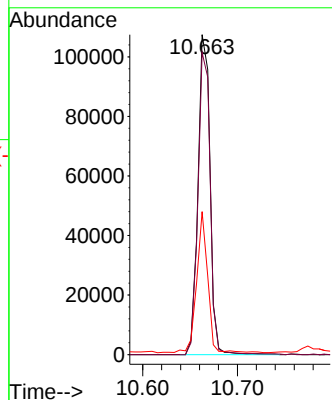
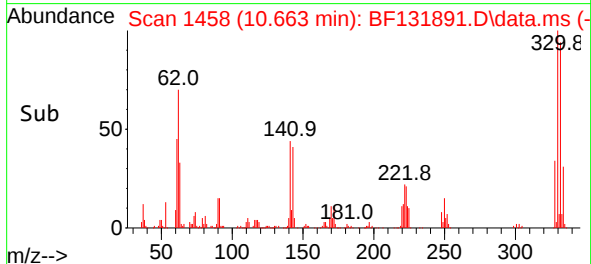


Tgt Ion: 330 Resp: 94819
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 38.9 31.0 46.4

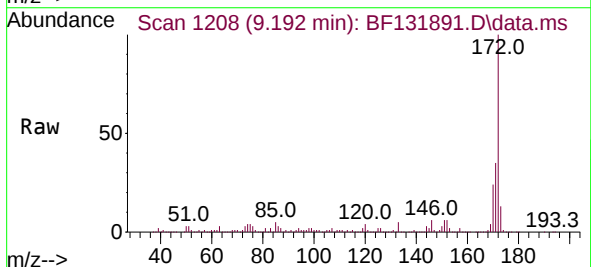
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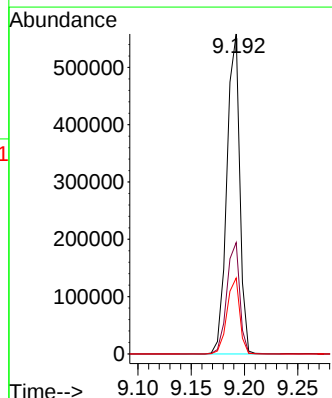
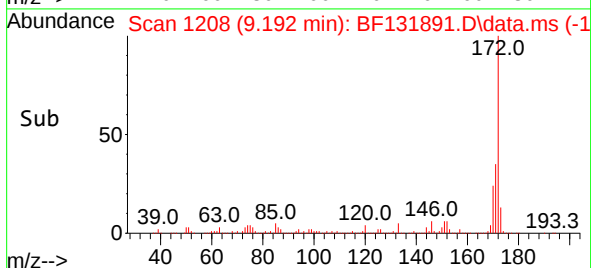
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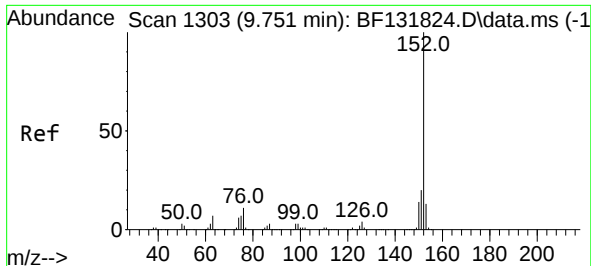


#45
2-Fluorobiphenyl
Concen: 72.871 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.000 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02



Tgt Ion: 172 Resp: 471492
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.7 18.7 28.1





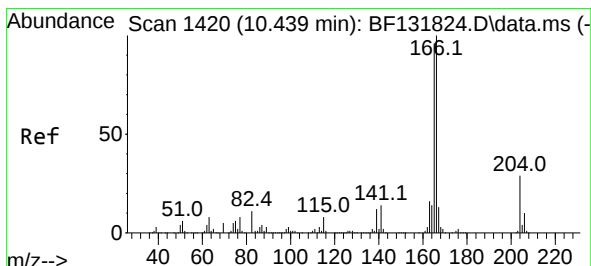
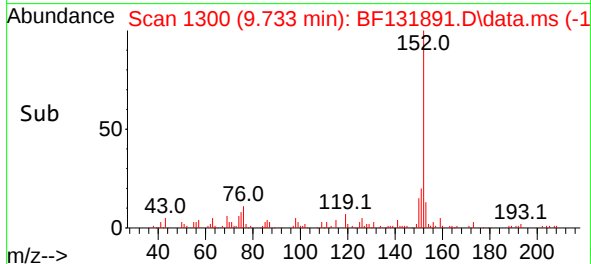
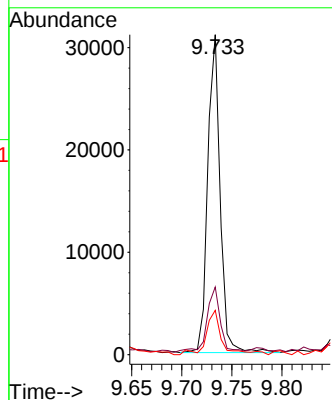
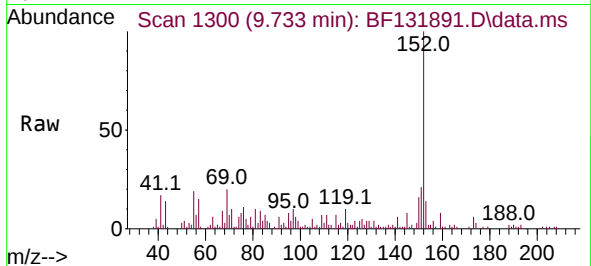
#49
Acenaphthylene
Concen: 3.186 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.000 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Instrument :
BNA_F
ClientSampleId :
OK-3-122822

Tgt Ion:152 Resp: 2663
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.6
153 13.8 10.2 15.4

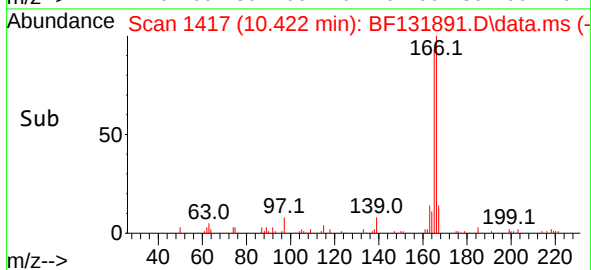
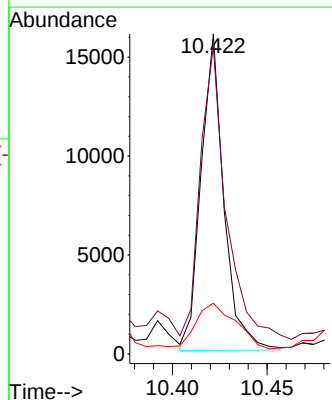
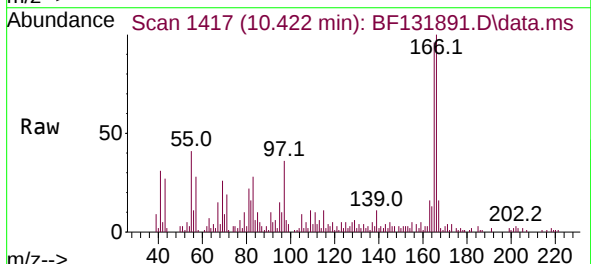
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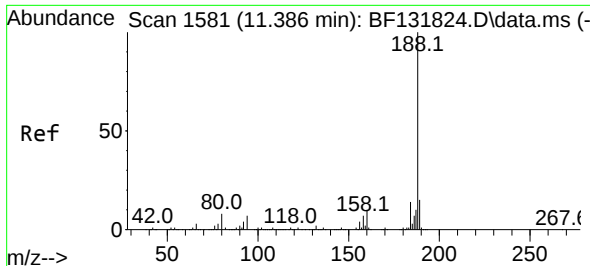
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#58
Fluorene
Concen: 2.112 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Tgt Ion:166 Resp: 13403
Ion Ratio Lower Upper
166 100
165 96.1 77.0 115.4
167 15.8 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11363
Delta R.T. -0.000 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Instrument :

BNA_F

ClientSampleId :

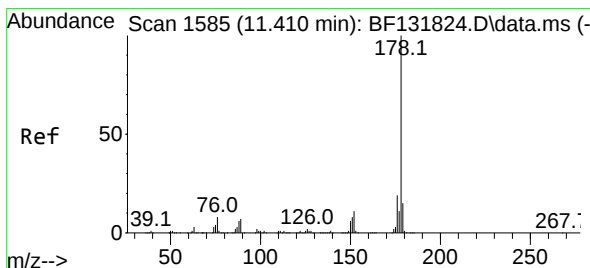
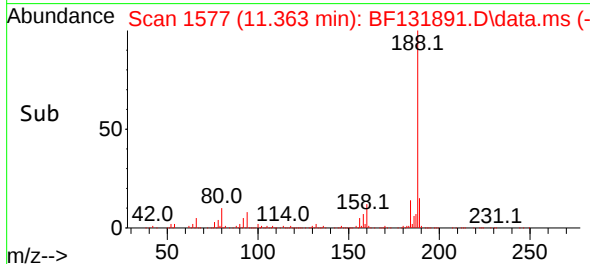
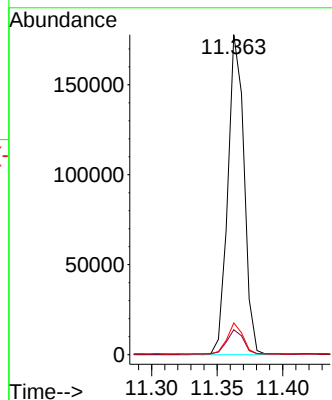
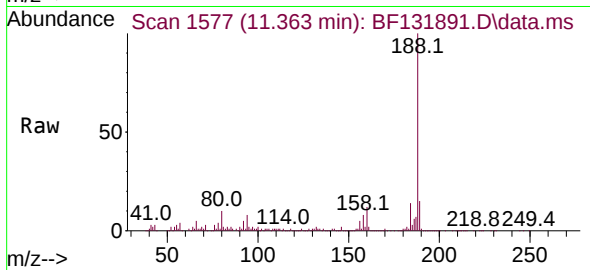
OK-3-122822

Tgt Ion:188 Resp: 153575
Ion Ratio Lower Upper
188 100
94 7.8 5.8 8.6
80 9.9 6.7 10.1

Manual Integrations

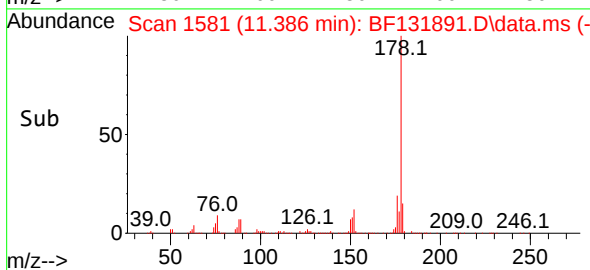
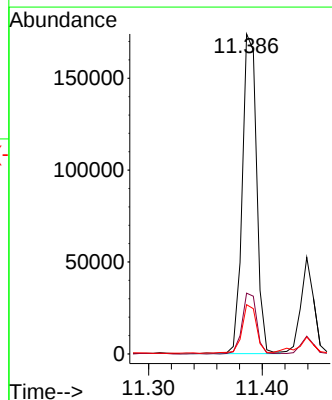
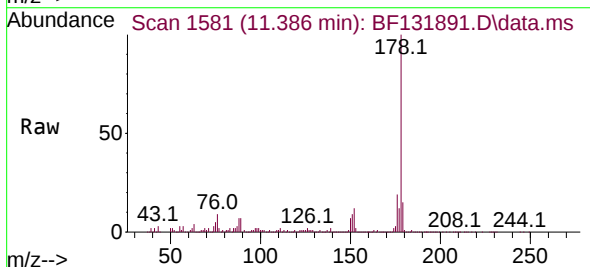
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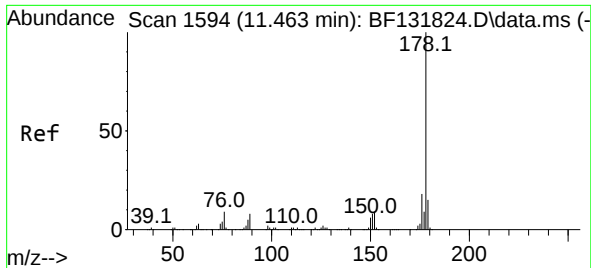
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#71
Phenanthrene
Concen: 18.050 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Tgt Ion:178 Resp: 152436
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.4 12.2 18.4





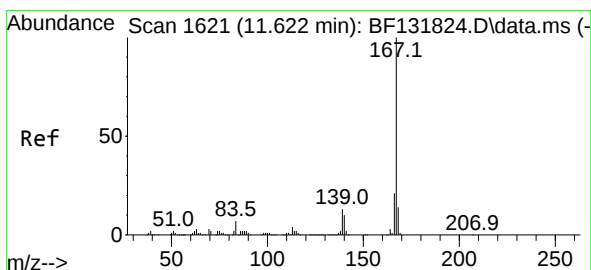
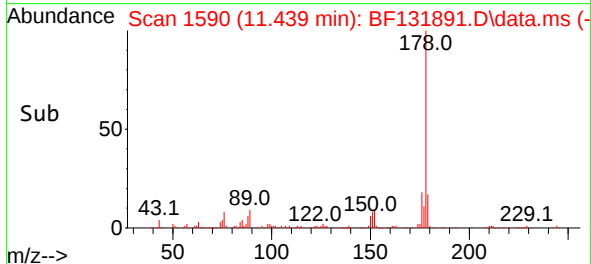
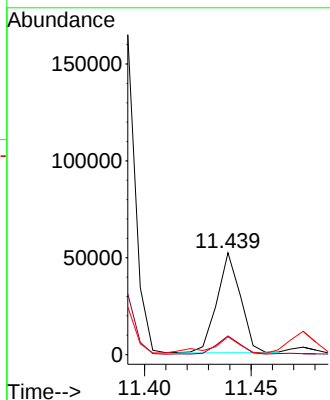
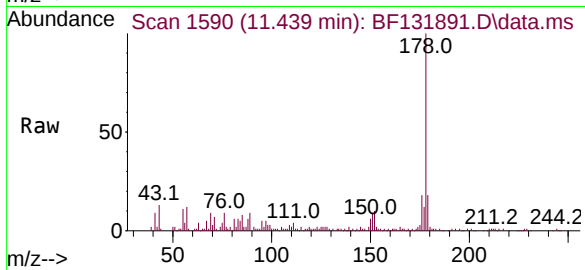
#72
 Anthracene
 Concen: 4.800 ng
 RT: 11.439 min Scan# 11439
 Delta R.T. -0.000 min
 Lab File: BF131891.D
 Acq: 29 Dec 2022 22:02

Instrument :
 BNA_F
 ClientSampleId :
 OK-3-122822

Tgt Ion:178 Resp: 3965
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.8 22.2
 179 17.5 12.2 18.2

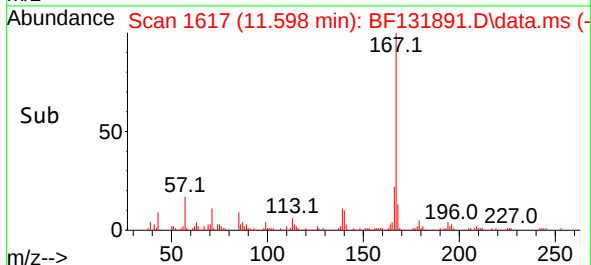
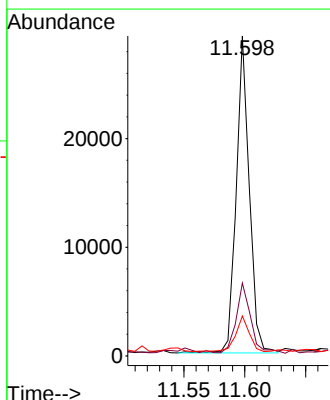
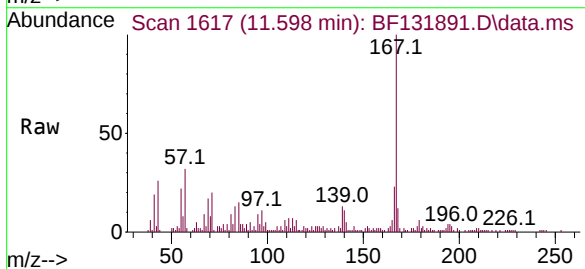
Manual Integrations
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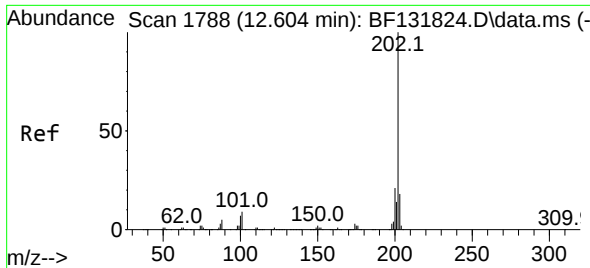
Reviewed By :Jagrut Upadhyay 12/30/2022
 Supervised By :Yogesh Patel 12/30/2022



#73
 Carbazole
 Concen: 2.991 ng
 RT: 11.598 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: BF131891.D
 Acq: 29 Dec 2022 22:02

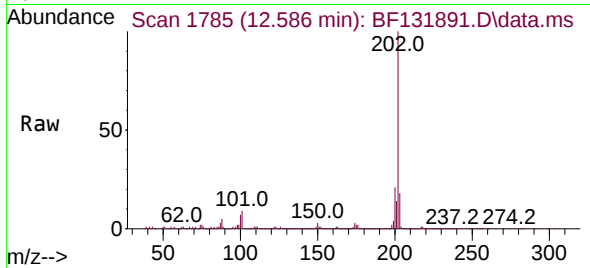
Tgt Ion:167 Resp: 21816
 Ion Ratio Lower Upper
 167 100
 166 22.8 16.6 24.8
 139 12.5 10.6 15.8





#75
Fluoranthene
Concen: 37.403 ng
RT: 12.586 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

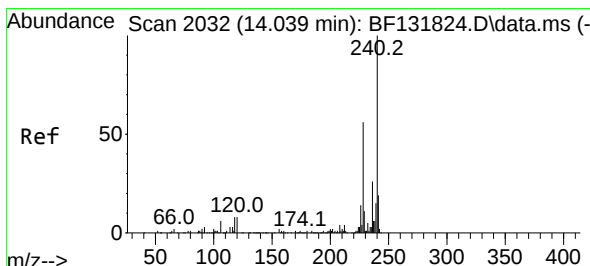
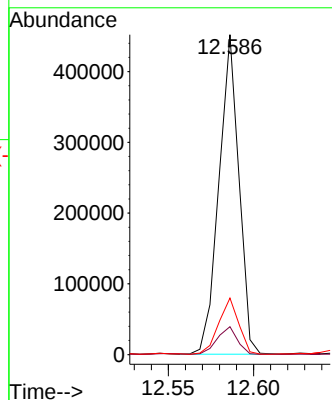
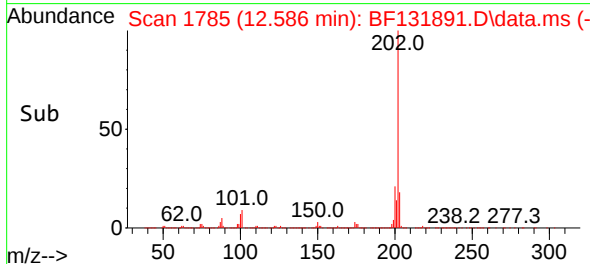
Instrument :
BNA_F
ClientSampleId :
OK-3-122822



Tgt Ion:202 Resp: 367932
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.6
203 17.7 0.0 37.8

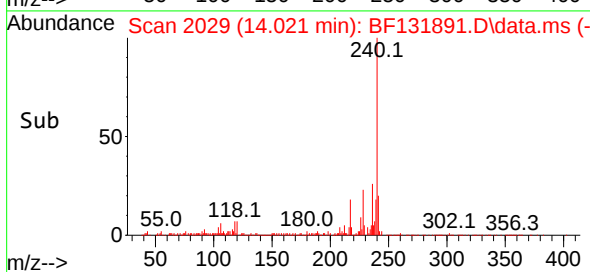
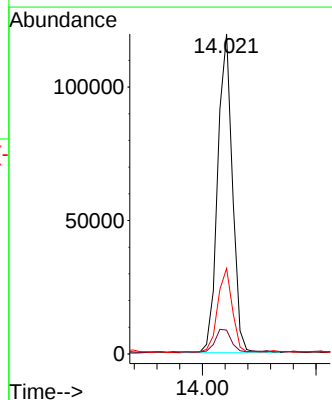
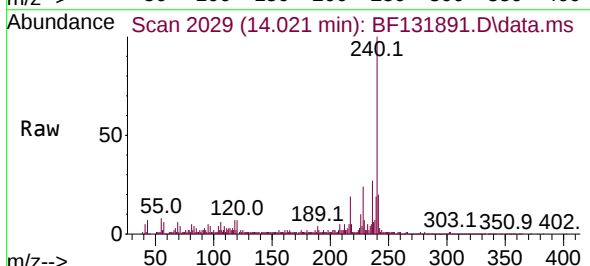
Manual Integrations
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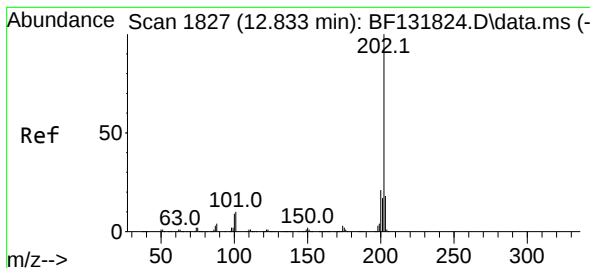
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Tgt Ion:240 Resp: 107236
Ion Ratio Lower Upper
240 100
120 7.4 6.7 10.1
236 26.7 20.6 31.0





#78

Pyrene

Concen: 37.509 ng

RT: 12.816 min Scan# 1827

Delta R.T. -0.000 min

Lab File: BF131891.D

Acq: 29 Dec 2022 22:02

Instrument :

BNA_F

ClientSampleId :

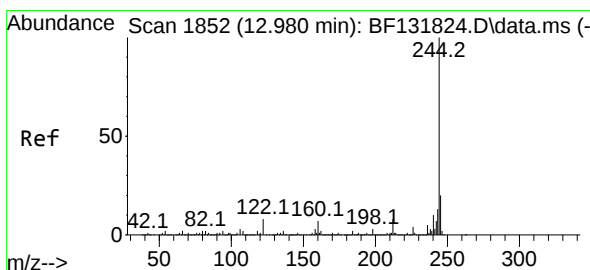
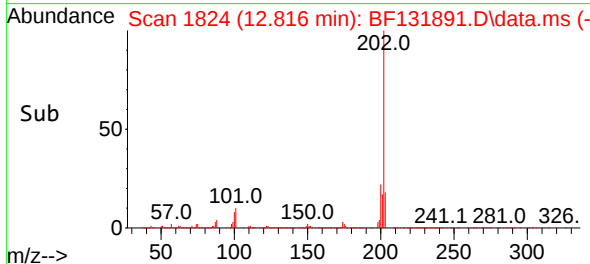
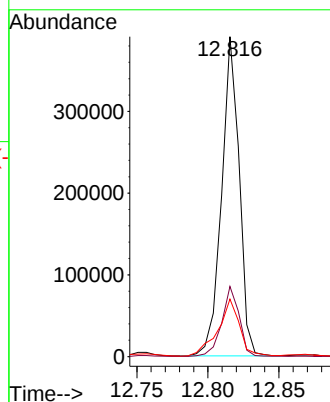
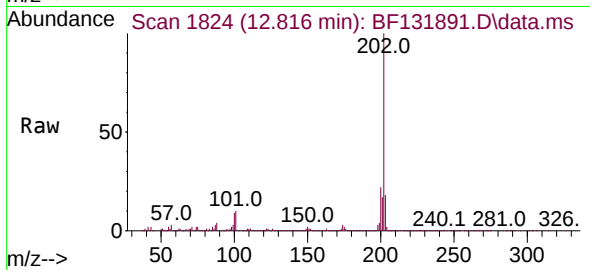
OK-3-122822

Tgt Ion:202 Resp: 337140
 Ion Ratio Lower Upper
 202 100
 200 21.9 16.7 25.1
 203 18.0 14.4 21.6

Manual Integrations

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



#79

Terphenyl-d14

Concen: 75.537 ng

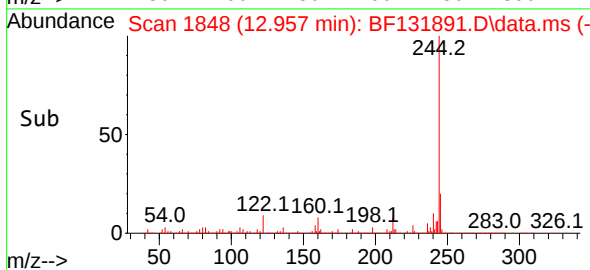
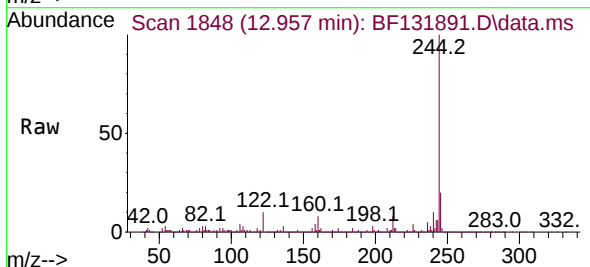
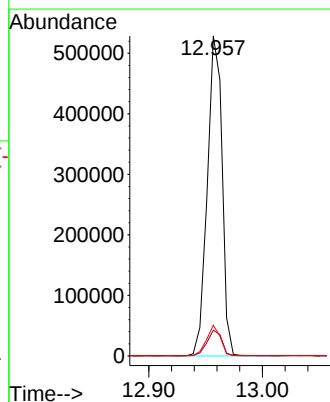
RT: 12.957 min Scan# 1848

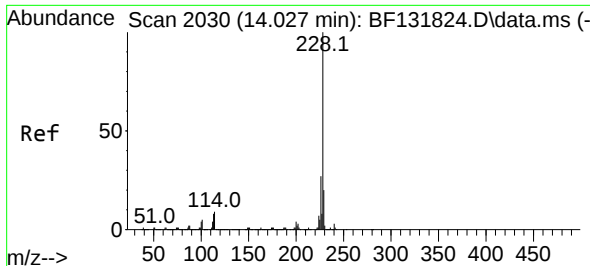
Delta R.T. -0.000 min

Lab File: BF131891.D

Acq: 29 Dec 2022 22:02

Tgt Ion:244 Resp: 478879
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.3 9.5
 122 9.6 6.4 9.6





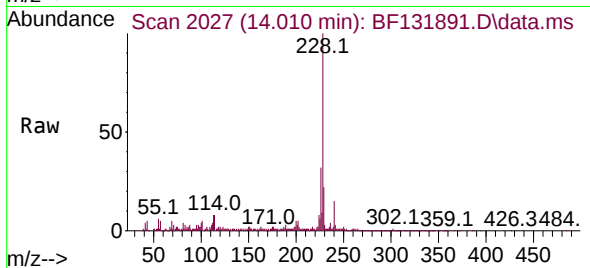
#81
Benzo(a)anthracene
Concen: 20.664 ng
RT: 14.010 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Instrument :

BNF_F

ClientSampleId :

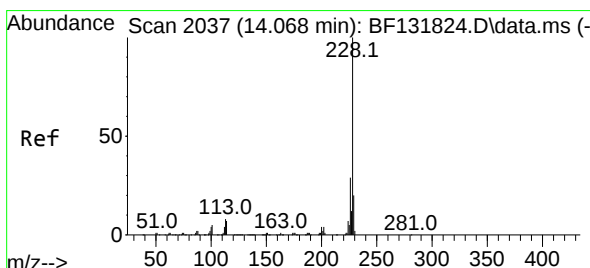
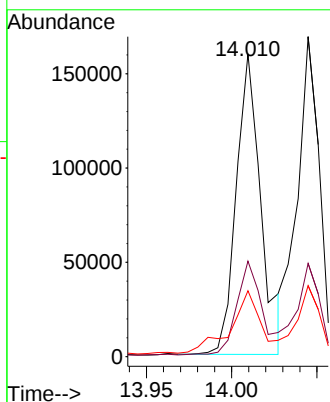
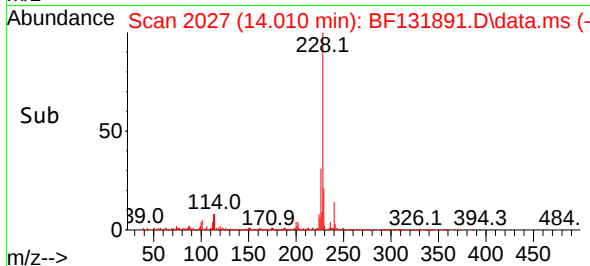
OK-3-122822



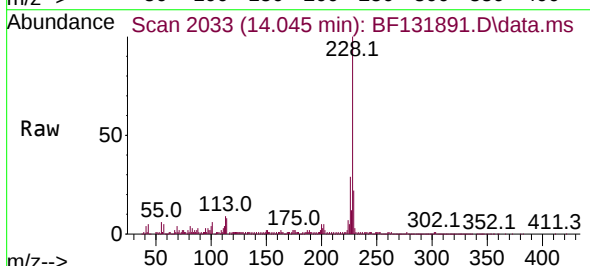
Tgt Ion:228 Resp: 160439
Ion Ratio Lower Upper
228 100
226 31.5 22.0 33.0
229 21.7 16.0 24.0

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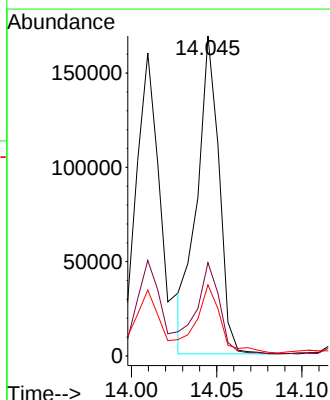
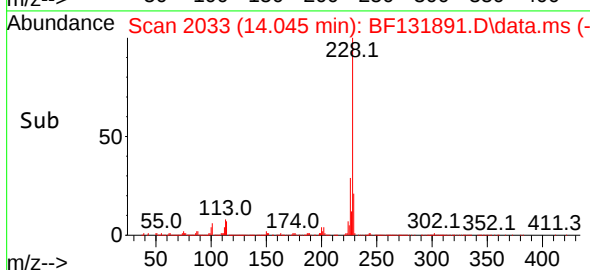
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022

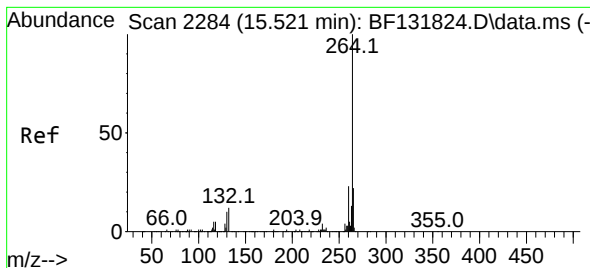


#83
Chrysene
Concen: 20.882 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02



Tgt Ion:228 Resp: 152353
Ion Ratio Lower Upper
228 100
226 29.1 23.5 35.3
229 22.2 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131891.D

Acq: 29 Dec 2022 22:02

Instrument :

BNA_F

ClientSampleId :

OK-3-122822

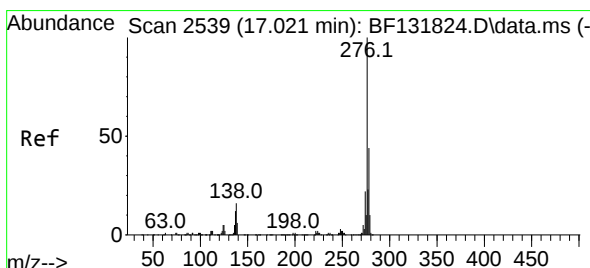
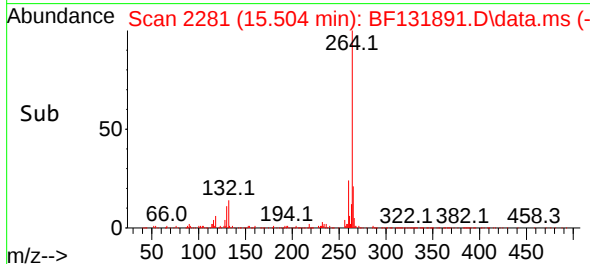
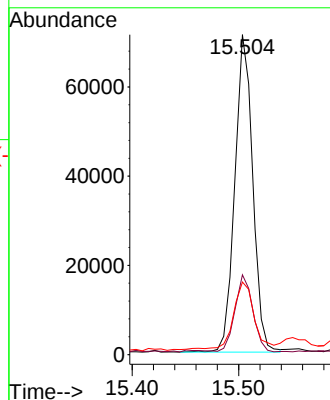
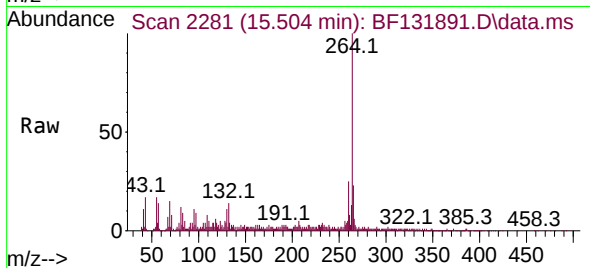
Tgt Ion:264 Resp: 83050

Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.6	28.0
265	22.7	17.4	26.0

Manual Integrations

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.681 ng

RT: 16.992 min Scan# 2534

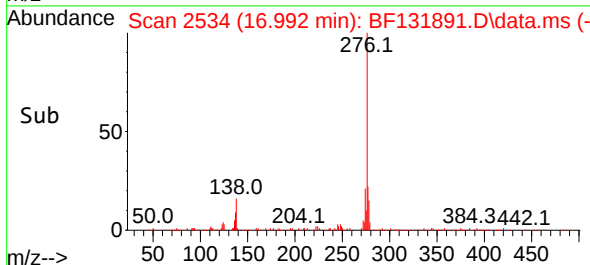
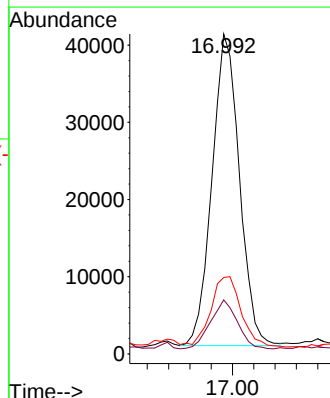
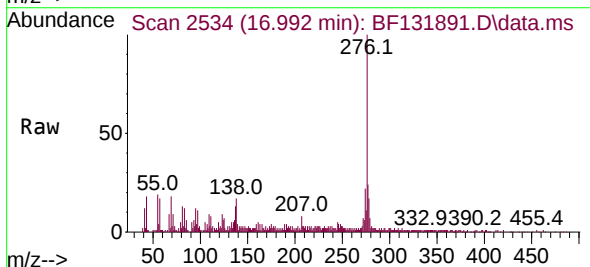
Delta R.T. 0.012 min

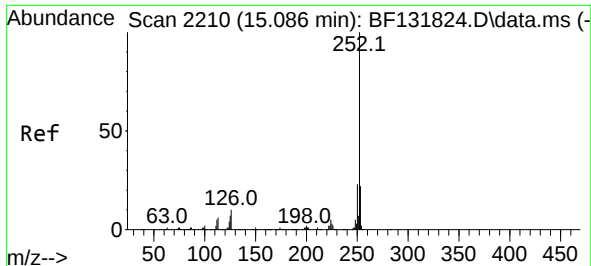
Lab File: BF131891.D

Acq: 29 Dec 2022 22:02

Tgt Ion:276 Resp: 72185

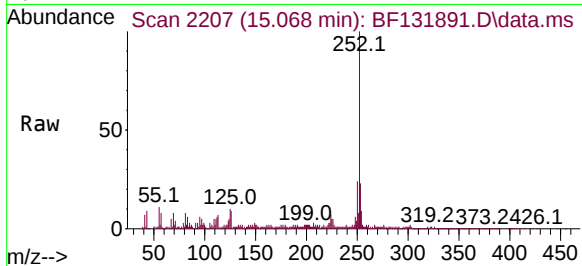
Ion	Ratio	Lower	Upper
276	100		
138	16.3	14.5	21.7
277	24.5	19.7	29.5





#88
Benzo(b)fluoranthene
Concen: 28.574 ng m
RT: 15.068 min Scan# 2210
Delta R.T. 0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

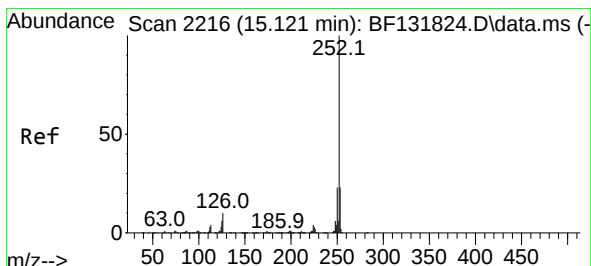
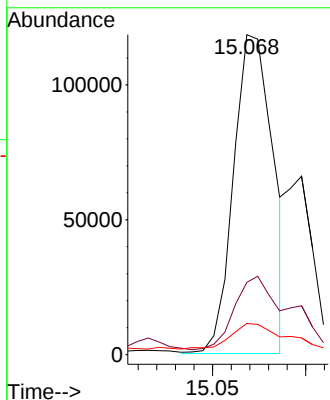
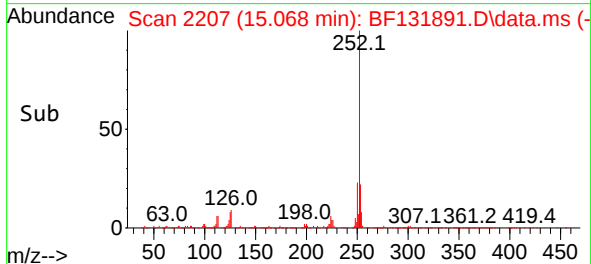
Instrument :
BNA_F
ClientSampleId :
OK-3-122822



Tgt Ion:252 Resp: 174002
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 9.7 5.8 8.8

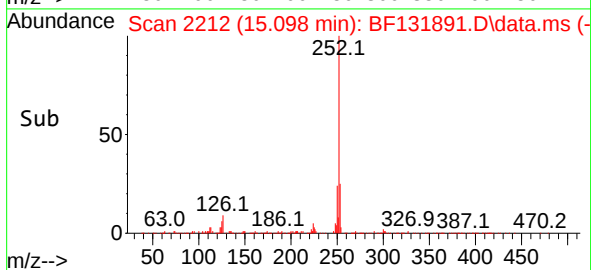
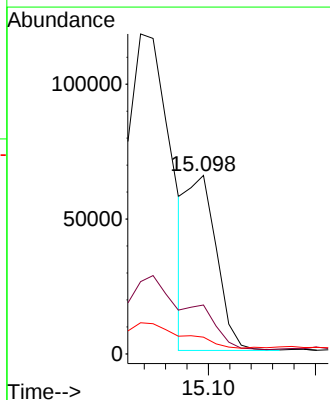
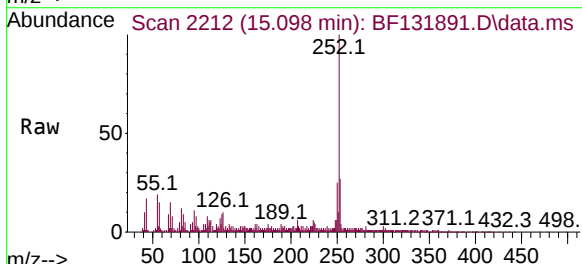
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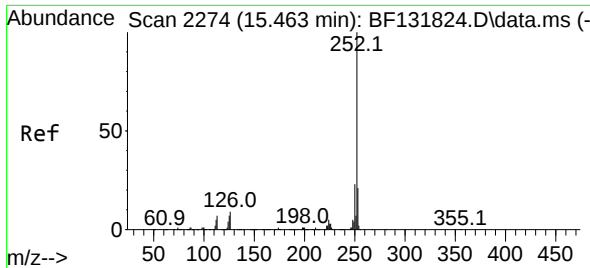
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#89
Benzo(k)fluoranthene
Concen: 10.593 ng m
RT: 15.098 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Tgt Ion:252 Resp: 62327
Ion Ratio Lower Upper
252 100
253 27.4 17.7 26.5#
125 9.4 5.4 8.0#





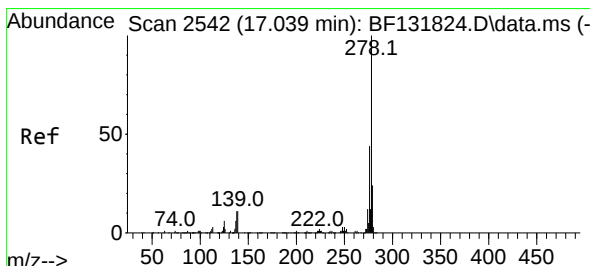
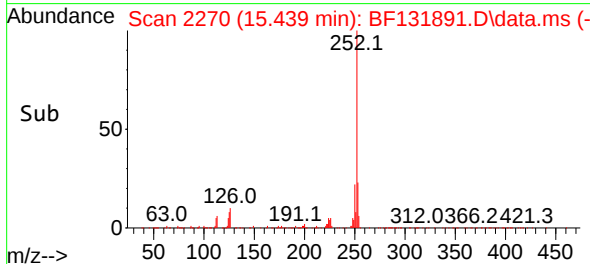
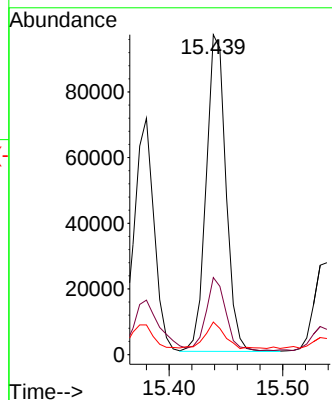
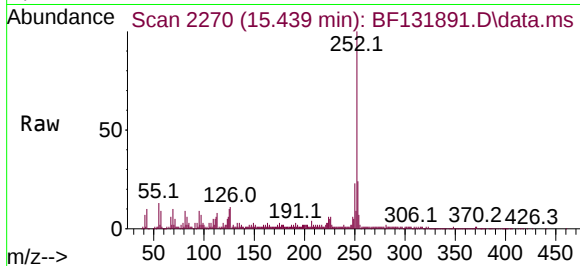
#90
Benzo(a)pyrene
Concen: 24.744 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Instrument :
BNA_F
ClientSampleId :
OK-3-122822

Tgt Ion:252 Resp: 116660
Ion Ratio Lower Upper
252 100
253 24.1 16.6 24.8
125 10.2 5.8 8.8

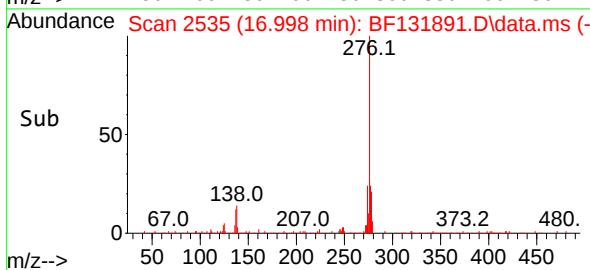
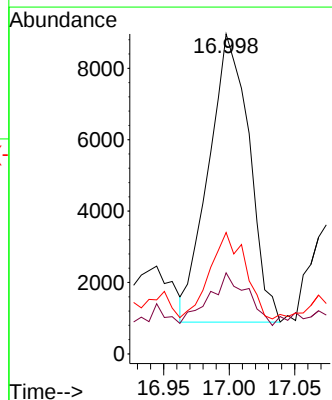
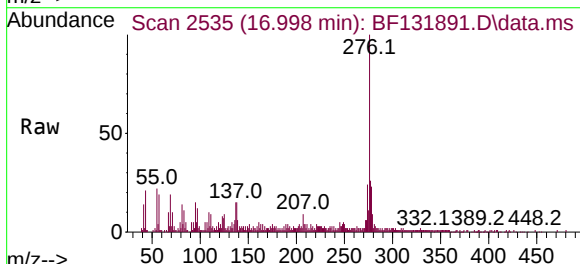
Manual Integrations
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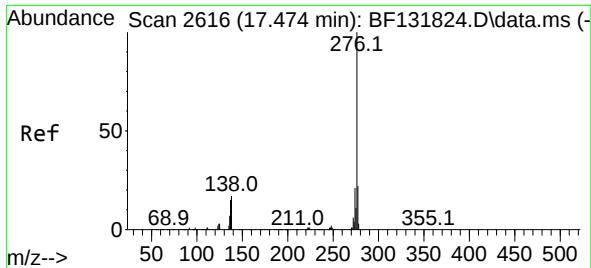
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.025 ng
RT: 16.998 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BF131891.D
Acq: 29 Dec 2022 22:02

Tgt Ion:278 Resp: 17396
Ion Ratio Lower Upper
278 100
139 25.3 8.6 12.8#
279 37.9 19.0 28.4#





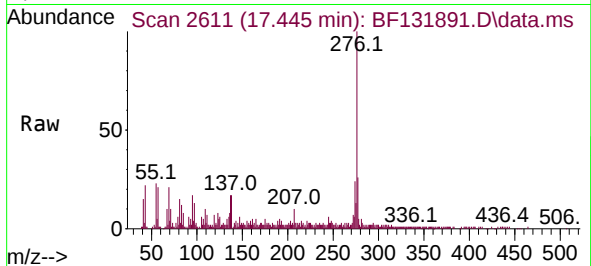
#92
 Benzo(g,h,i)perylene
 Concen: 17.398 ng
 RT: 17.445 min Scan# 20
 Delta R.T. 0.017 min
 Lab File: BF131891.D
 Acq: 29 Dec 2022 22:02

Instrument :

BNA_F

ClientSampleId :

OK-3-122822



Tgt Ion:276 Resp: 6973
 Ion Ratio Lower Upper
 276 100
 277 26.0 17.9 26.9
 138 17.2 13.7 20.5

Manual Integrations

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

