

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
 Data File : BF131889.D
 Acq On : 29 Dec 2022 21:00
 Operator : CG\JU
 Sample : N6228-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Dec 30 02:12:54 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	48243	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	156474	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	78035	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	139253	20.000	ng	0.00
76) Chrysene-d12	14.015	240	111792	20.000	ng	0.00
86) Perylene-d12	15.492	264	88445	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	293268	100.742	ng	0.00
7) Phenol-d6	6.451	99	366091	95.719	ng	0.00
23) Nitrobenzene-d5	7.386	82	262501	66.979	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	76309	90.003	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	384569	67.503	ng	0.00
79) Terphenyl-d14	12.951	244	369608	55.925	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	46313	6.048	ng	97
75) Fluoranthene	12.580	202	97607	10.943	ng	97
78) Pyrene	12.810	202	95278	10.168	ng	99
81) Benzo(a)anthracene	14.004	228	48297	5.967	ng	95
83) Chrysene	14.039	228	45050m	5.923	ng	
87) Indeno(1,2,3-cd)pyrene	16.974	276	17336	3.085	ng	99
88) Benzo(b)fluoranthene	15.057	252	47718m	7.358	ng	
89) Benzo(k)fluoranthene	15.086	252	13493m	2.153	ng	
90) Benzo(a)pyrene	15.433	252	31867	6.347	ng	# 91
92) Benzo(g,h,i)perylene	17.427	276	16161	7.891	ng	# 93

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

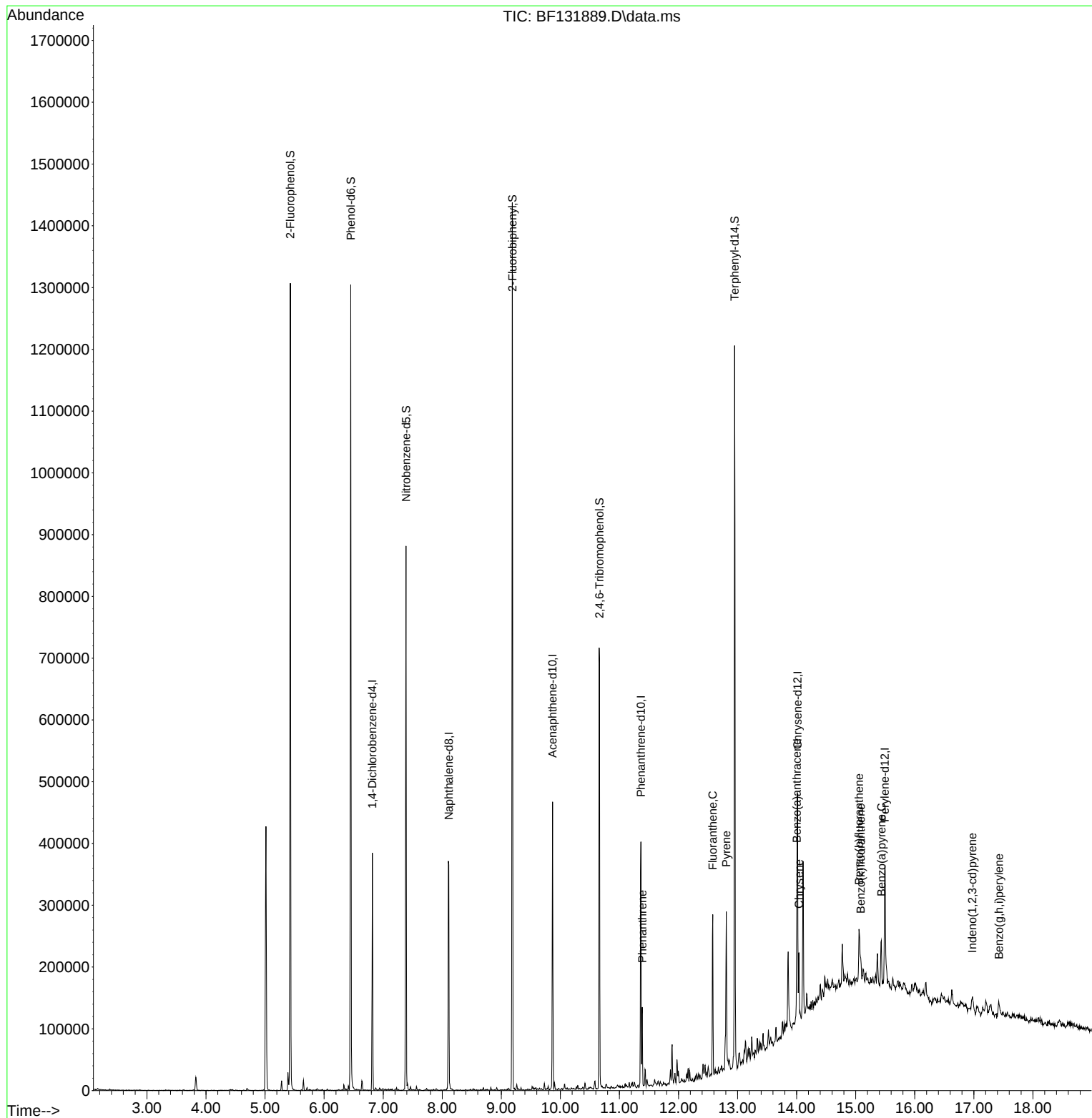
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
Data File : BF131889.D
Acq On : 29 Dec 2022 21:00
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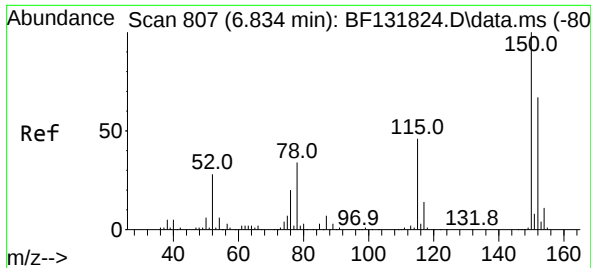
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
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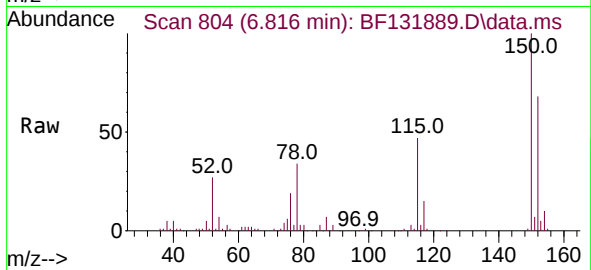
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

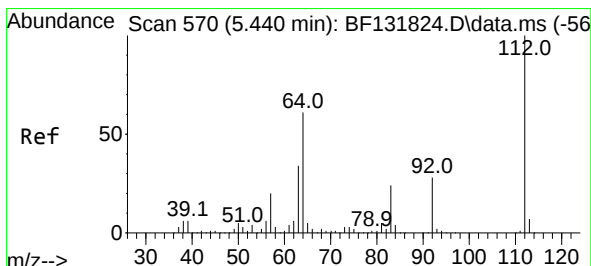
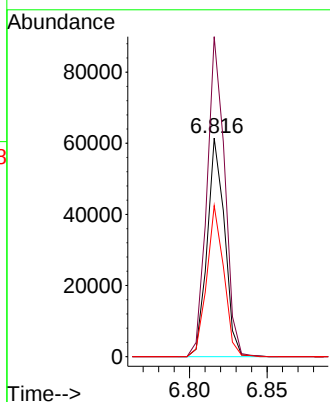
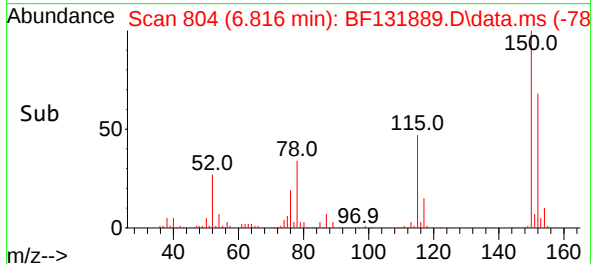
Instrument :
BNA_F
ClientSampleId :
TP-2



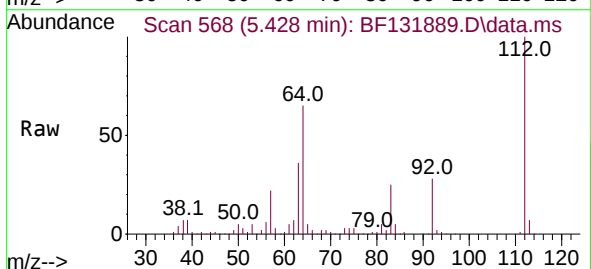
Tgt Ion:152 Resp: 48243
Ion Ratio Lower Upper
152 100
150 146.5 120.0 180.0
115 69.1 55.1 82.7

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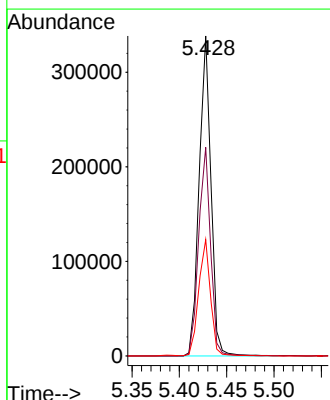
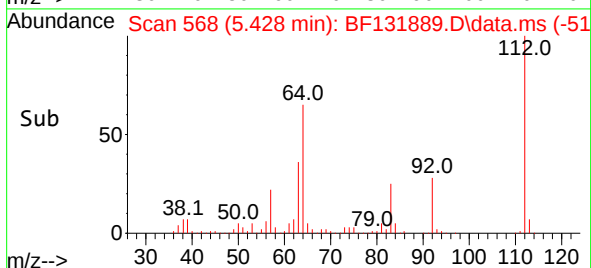
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022

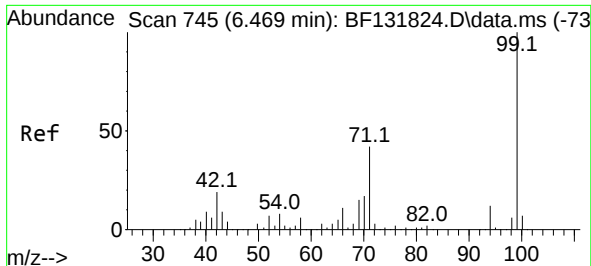


#5
2-Fluorophenol
Concen: 100.742 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00



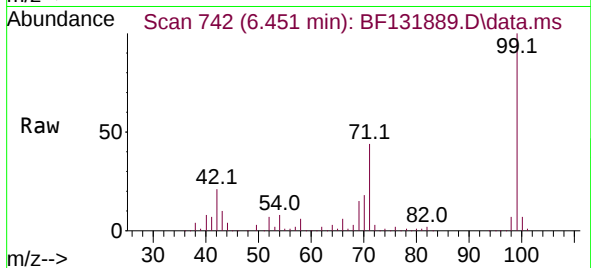
Tgt Ion:112 Resp: 293268
Ion Ratio Lower Upper
112 100
64 65.2 49.2 73.8
63 36.3 27.5 41.3





#7
Phenol-d6
Concen: 95.719 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

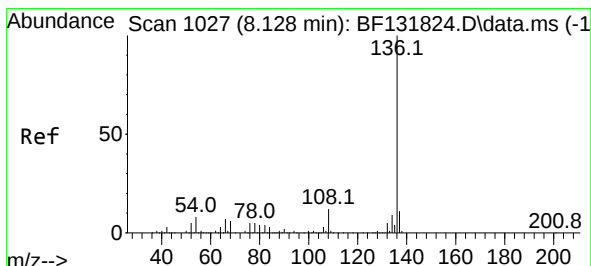
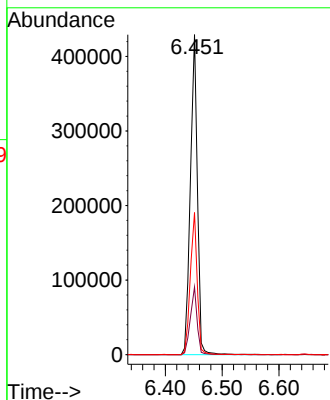
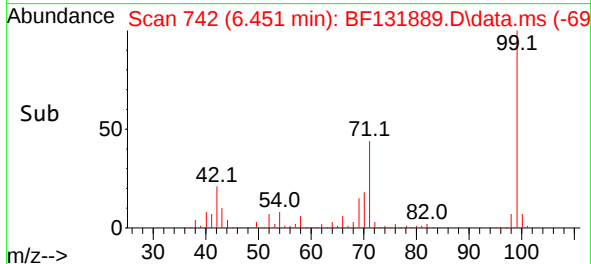
Instrument :
BNA_F
ClientSampleId :
TP-2



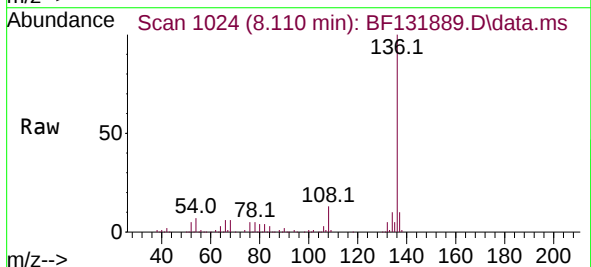
Tgt Ion: 99 Resp: 366091
Ion Ratio Lower Upper
99 100
42 21.1 15.3 22.9
71 44.4 33.5 50.3

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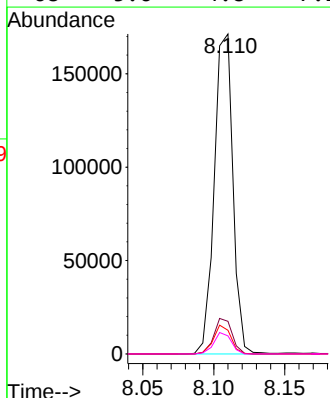
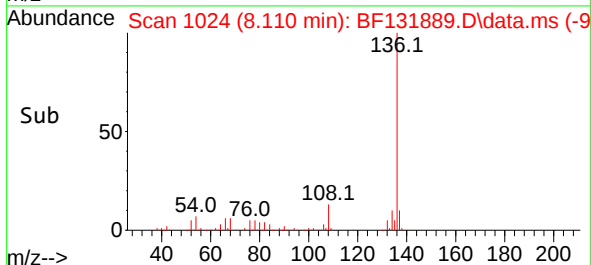
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022

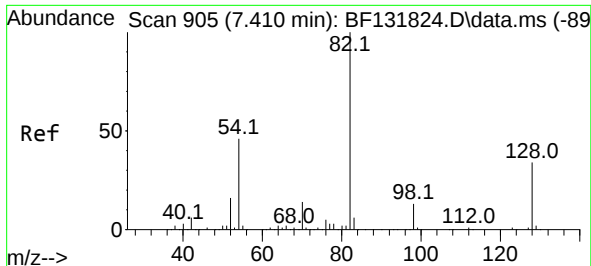


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00



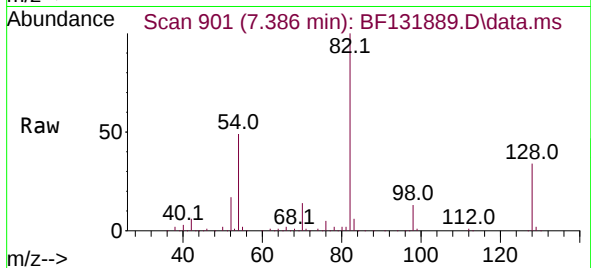
Tgt Ion:136 Resp: 156474
Ion Ratio Lower Upper
136 100
137 10.2 8.6 12.8
54 7.4 6.7 10.1
68 5.6 4.8 7.2





#23
Nitrobenzene-d5
Concen: 66.979 ng
RT: 7.386 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

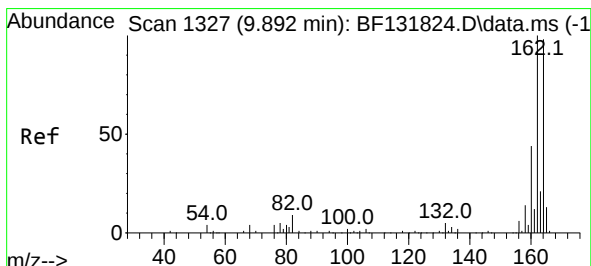
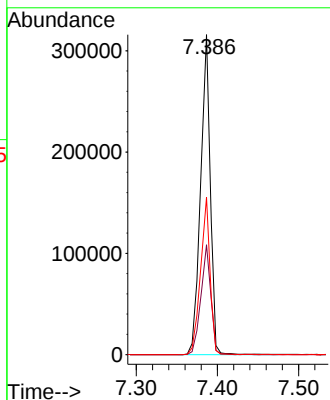
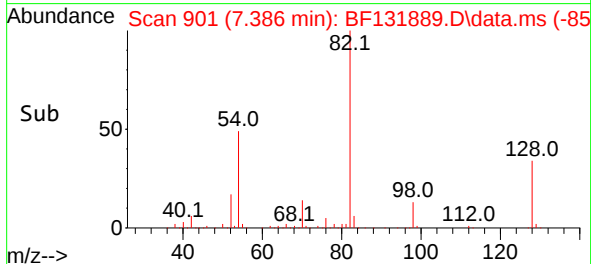
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion: 82 Resp: 262501
Ion Ratio Lower Upper
82 100
128 34.3 27.1 40.7
54 49.2 37.0 55.6

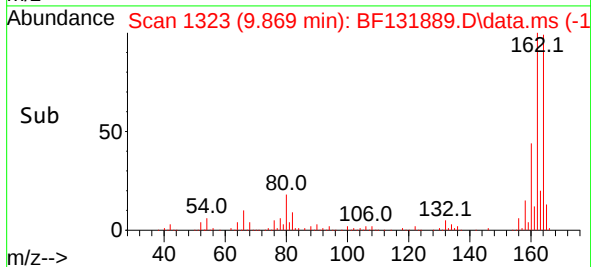
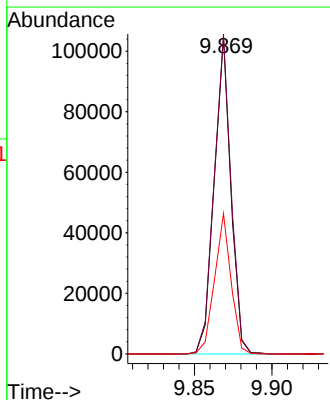
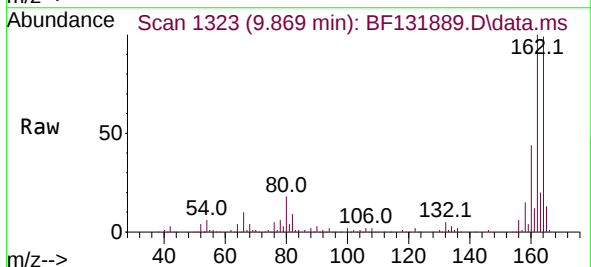
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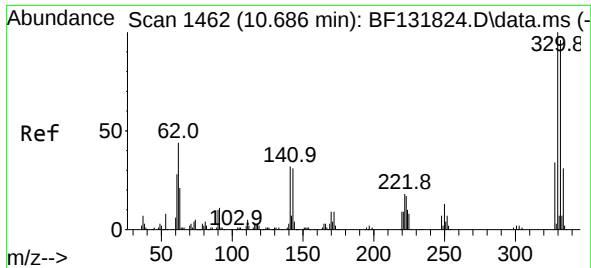
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:164 Resp: 78035
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.6
160 44.3 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 90.003 ng
RT: 10.663 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Instrument :

BNA_F

ClientSampleId :

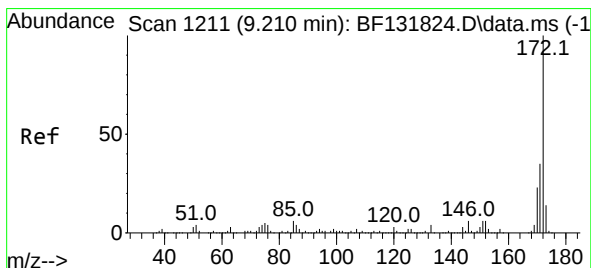
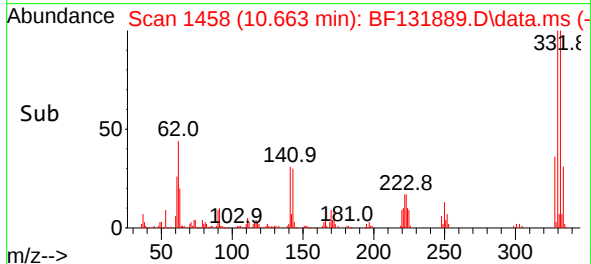
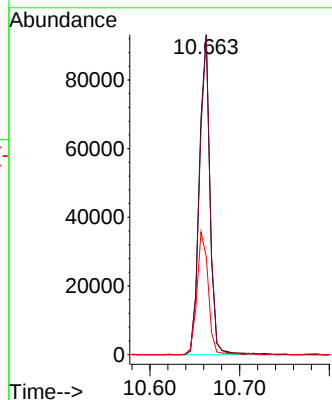
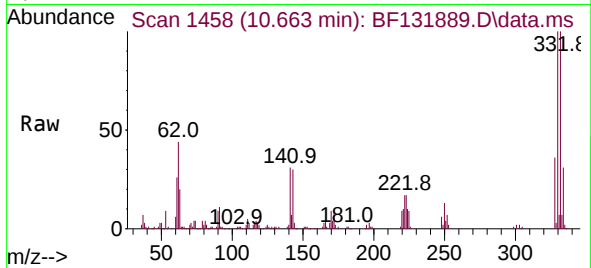
TP-2

Tgt Ion: 330 Resp: 76309
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.4
141 40.5 31.0 46.4

Manual Integrations

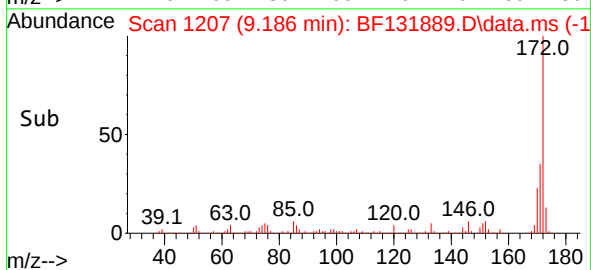
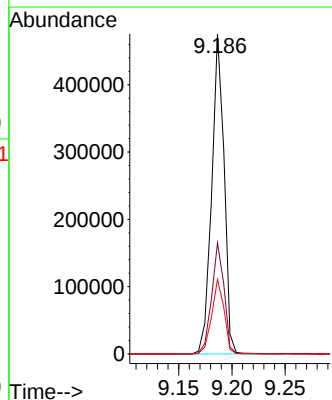
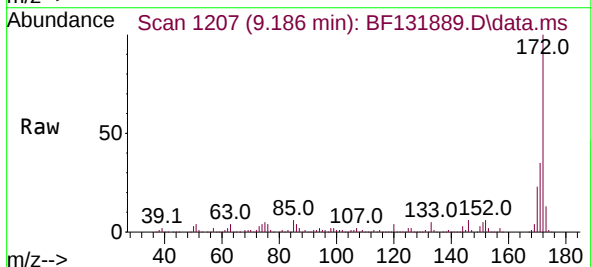
APPROVED

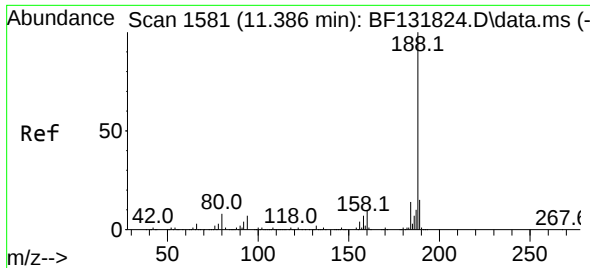
Reviewed By : Jagrut Upadhyay 12/30/2022
Supervised By : Yogesh Patel 12/30/2022



#45
2-Fluorobiphenyl
Concen: 67.503 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion: 172 Resp: 384569
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 23.3 18.7 28.1





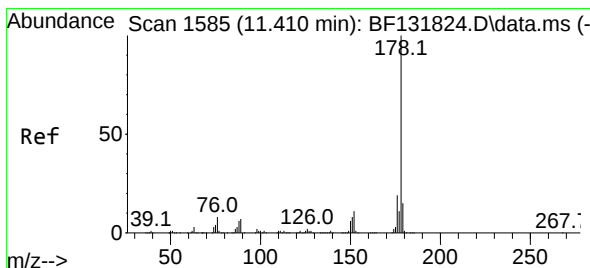
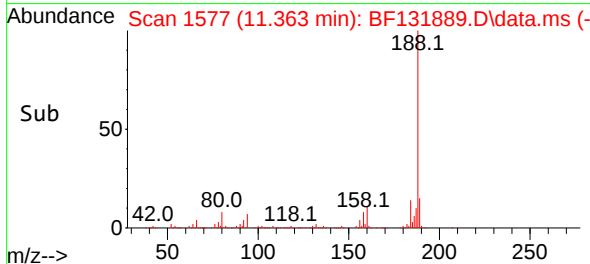
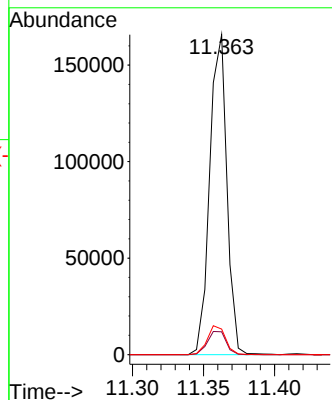
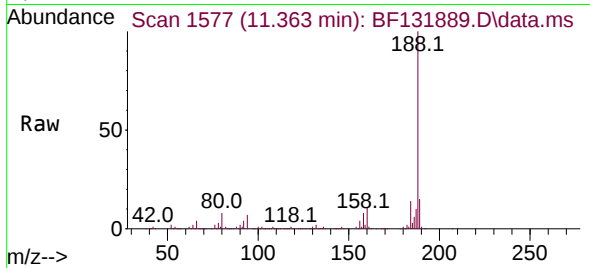
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:188 Resp: 13925
Ion Ratio Lower Upper
188 100
94 7.1 5.8 8.6
80 8.0 6.7 10.1

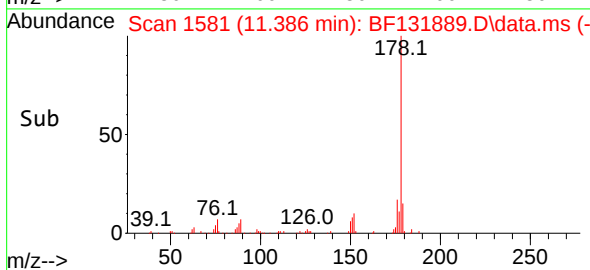
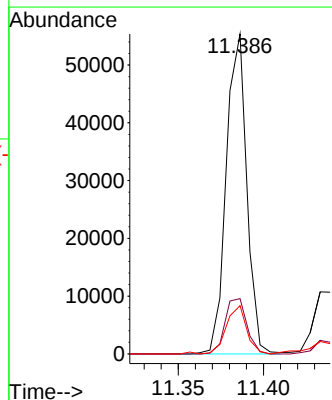
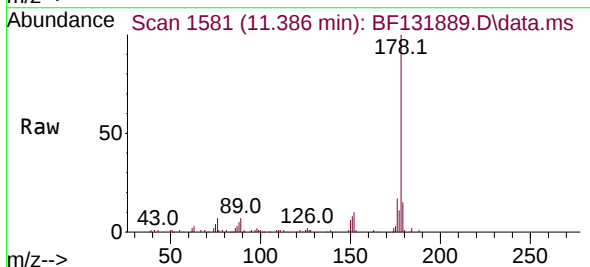
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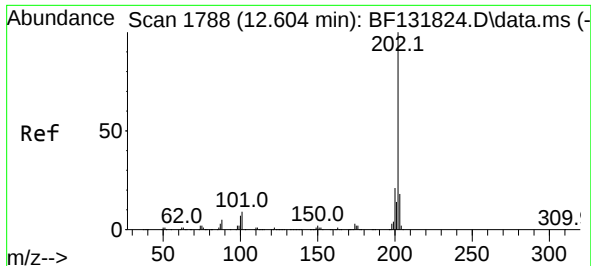
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#71
Phenanthrene
Concen: 6.048 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

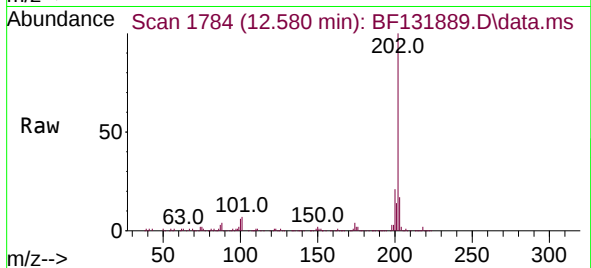
Tgt Ion:178 Resp: 46313
Ion Ratio Lower Upper
178 100
176 17.3 15.5 23.3
179 15.1 12.2 18.4





#75
Fluoranthene
Concen: 10.943 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

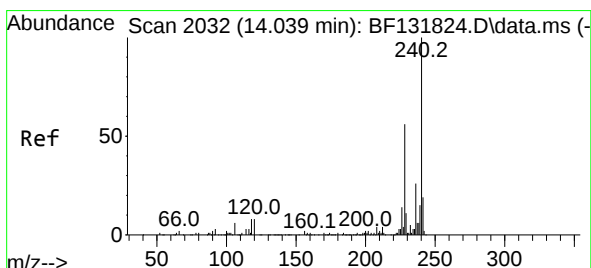
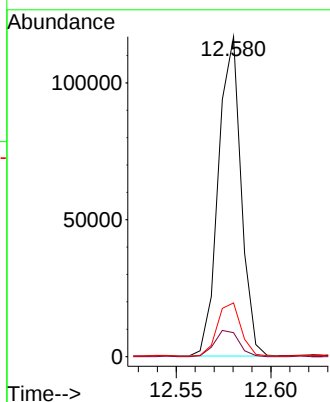
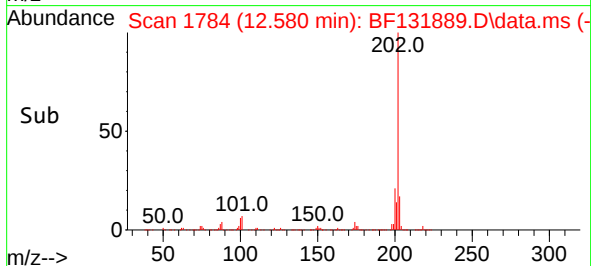
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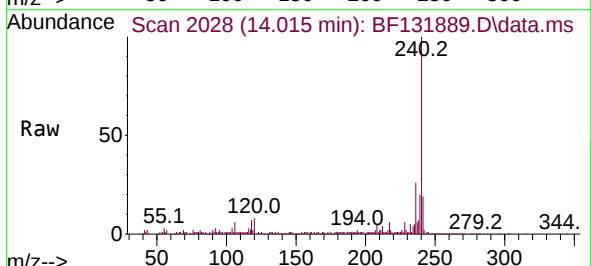
Tgt Ion:202 Resp: 9760
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.6
203 16.8 0.0 37.8

Manual Integrations
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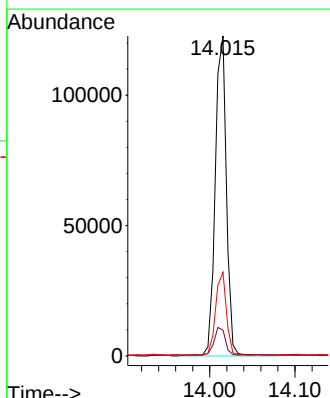
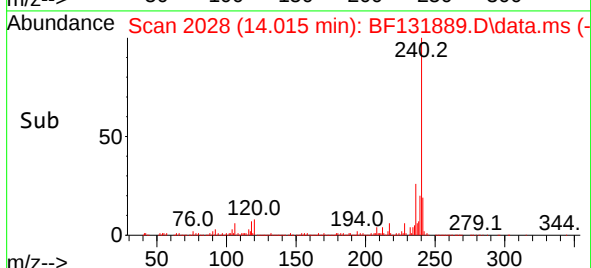
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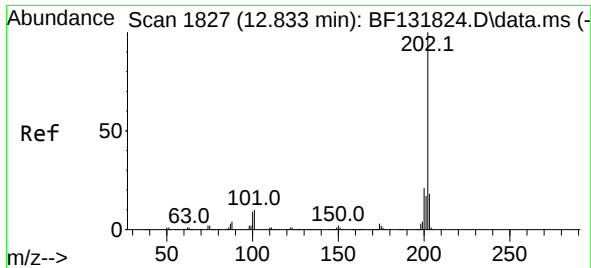


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00



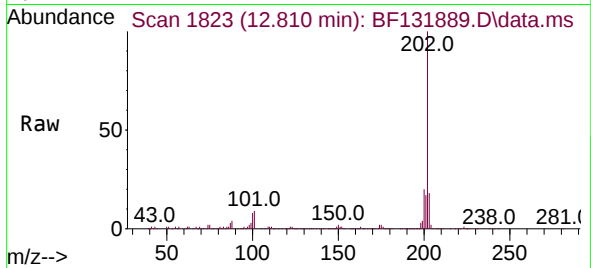
Tgt Ion:240 Resp: 111792
Ion Ratio Lower Upper
240 100
120 8.1 6.7 10.1
236 26.1 20.6 31.0





#78
Pyrene
Concen: 10.168 ng
RT: 12.810 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

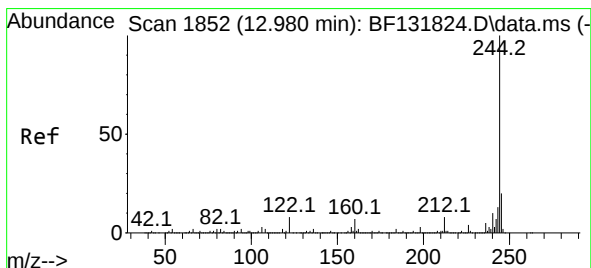
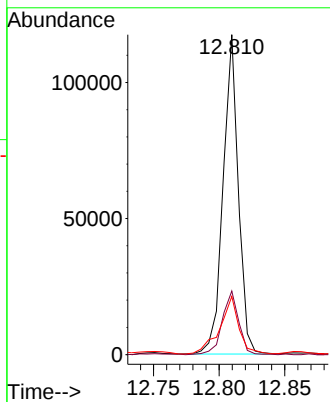
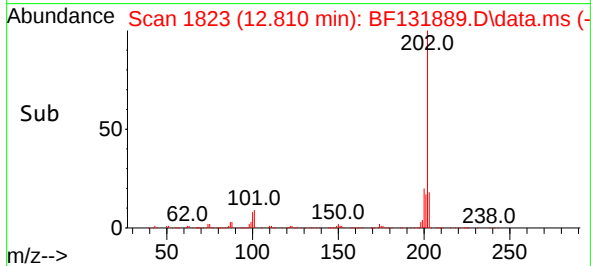
Instrument :
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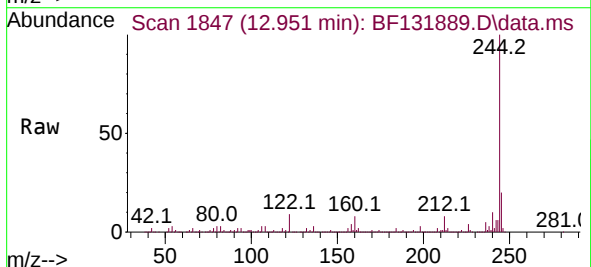
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Ion Ratio Lower Upper
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203 18.2 14.4 21.6

Manual Integrations
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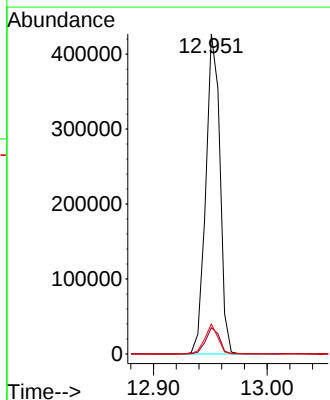
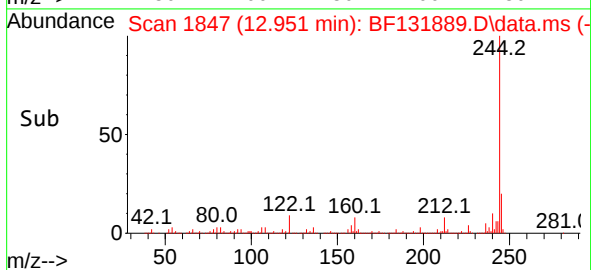
Reviewed By :Jagrut Upadhyay 12/30/2022
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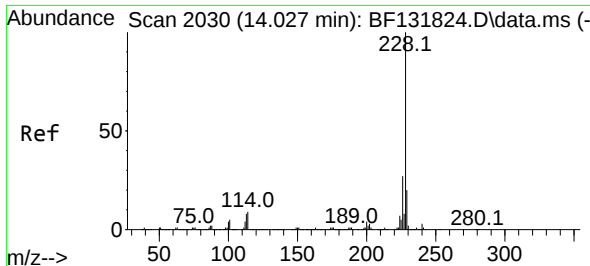


#79
Terphenyl-d14
Concen: 55.925 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00



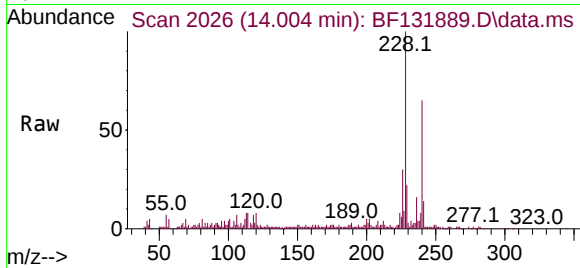
Tgt Ion:244 Resp: 369608
Ion Ratio Lower Upper
244 100
212 8.2 6.3 9.5
122 9.3 6.4 9.6





#81
Benzo(a)anthracene
Concen: 5.967 ng
RT: 14.004 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

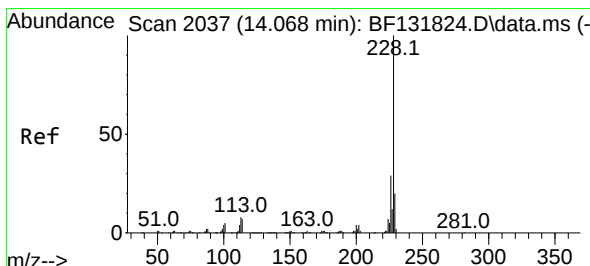
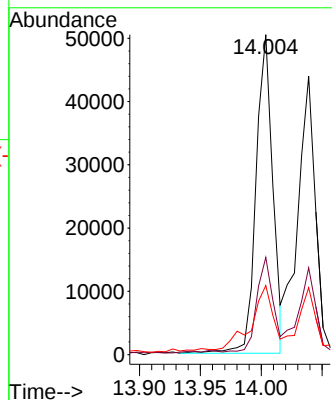
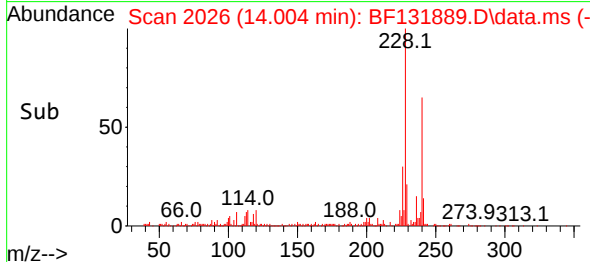
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:228 Resp: 48297
Ion Ratio Lower Upper
228 100
226 30.4 22.0 33.0
229 21.6 16.0 24.0

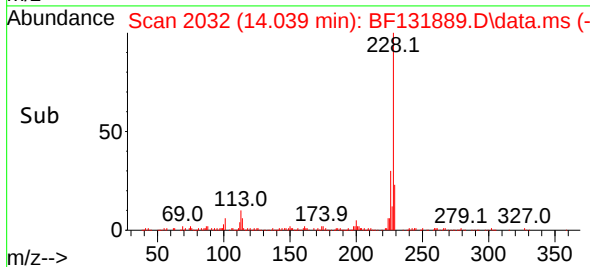
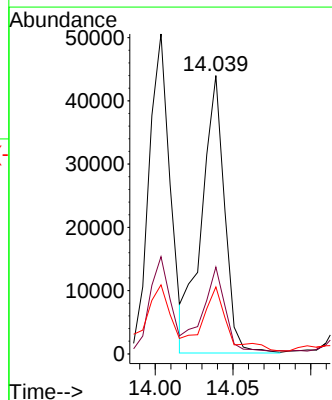
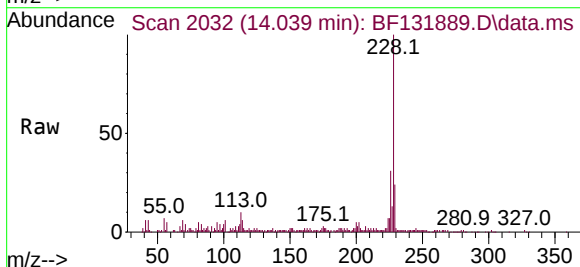
Manual Integrations
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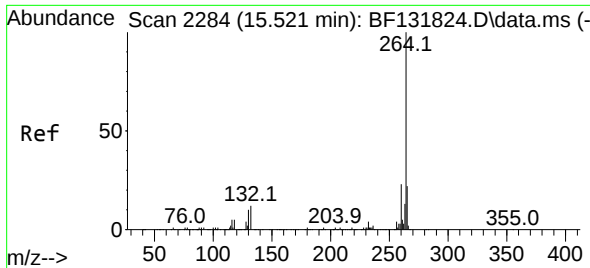
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#83
Chrysene
Concen: 5.923 ng m
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

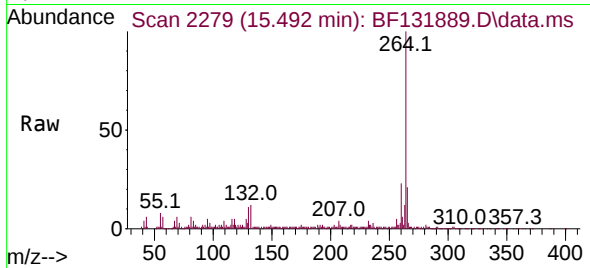
Tgt Ion:228 Resp: 45050
Ion Ratio Lower Upper
228 100
226 31.2 23.5 35.3
229 24.1 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

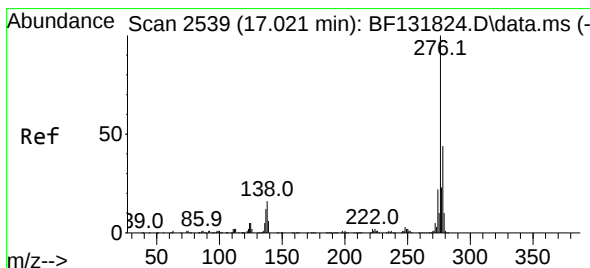
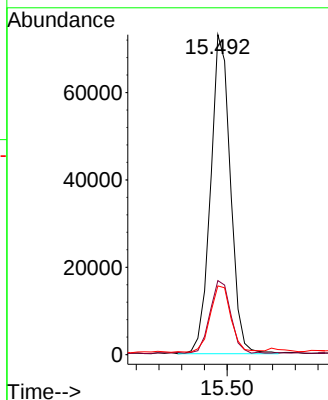
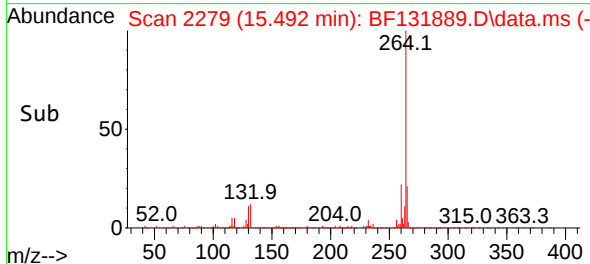
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:264 Resp: 88445
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 21.5 17.4 26.0

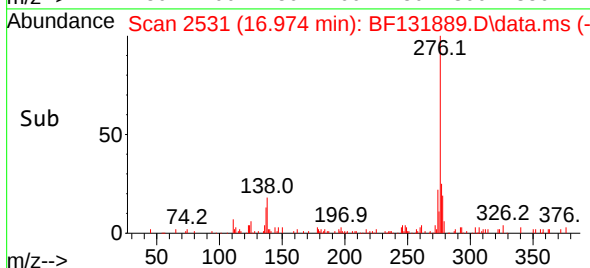
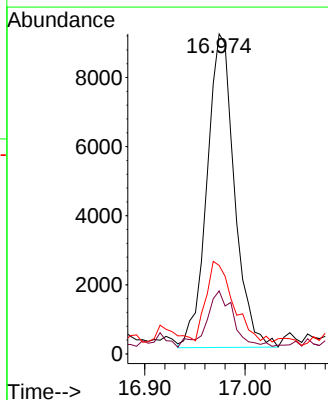
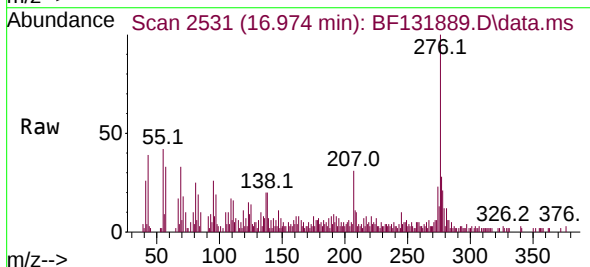
Manual Integrations
APPROVED

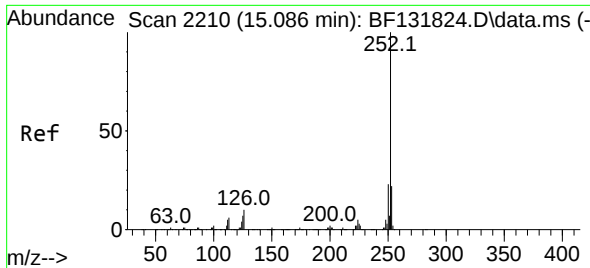
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.085 ng
RT: 16.974 min Scan# 2531
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

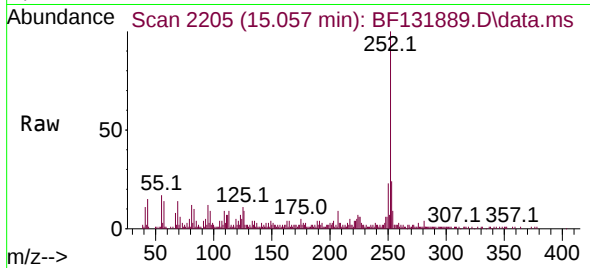
Tgt Ion:276 Resp: 17336
Ion Ratio Lower Upper
276 100
138 18.0 14.5 21.7
277 25.2 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 7.358 ng m
RT: 15.057 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

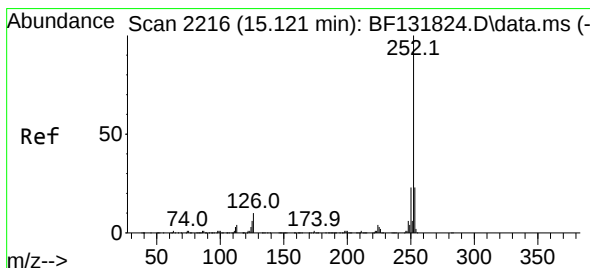
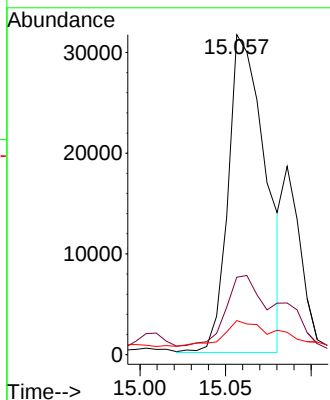
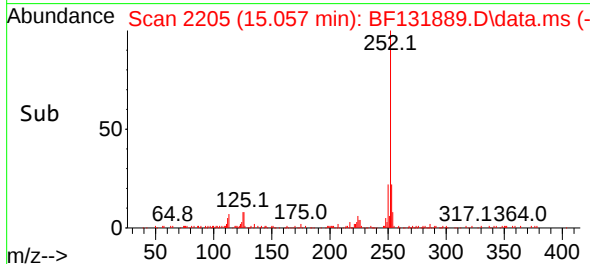
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:252 Resp: 47718
Ion Ratio Lower Upper
252 100
253 24.2 17.6 26.4
125 10.6 5.8 8.8

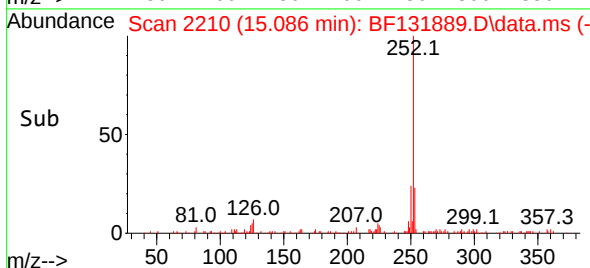
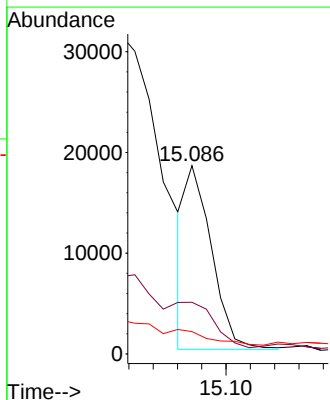
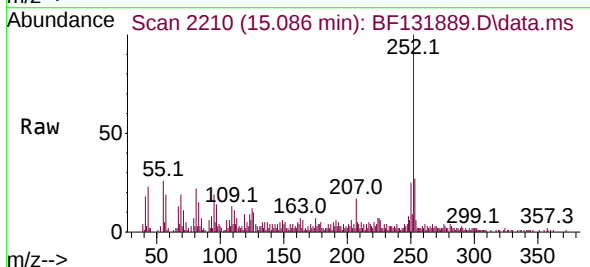
Manual Integrations
APPROVED

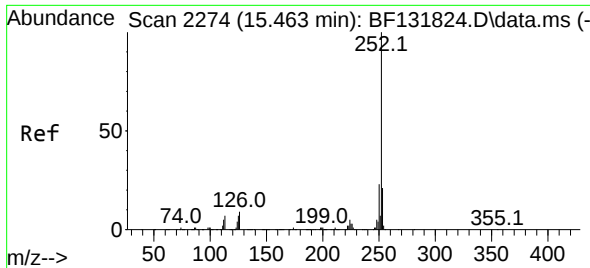
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#89
Benzo(k)fluoranthene
Concen: 2.153 ng m
RT: 15.086 min Scan# 2210
Delta R.T. -0.006 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:252 Resp: 13493
Ion Ratio Lower Upper
252 100
253 27.5 17.7 26.5#
125 11.9 5.4 8.0#





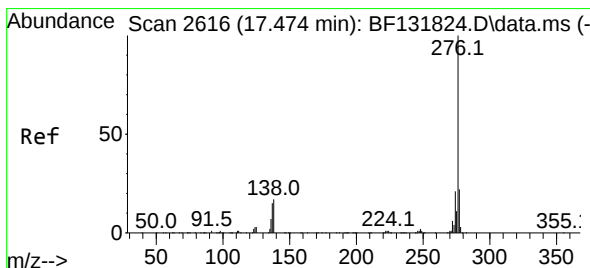
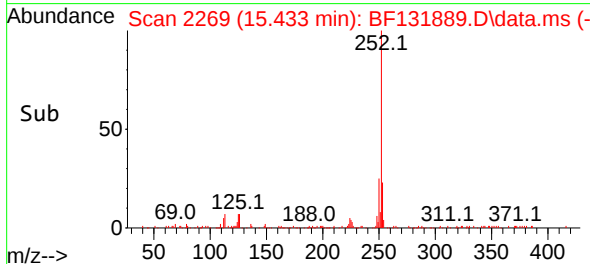
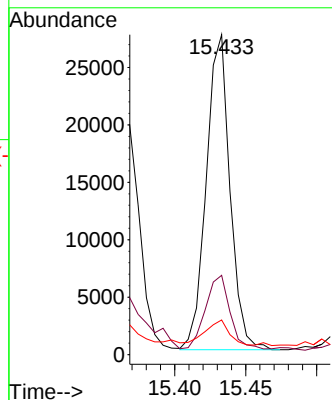
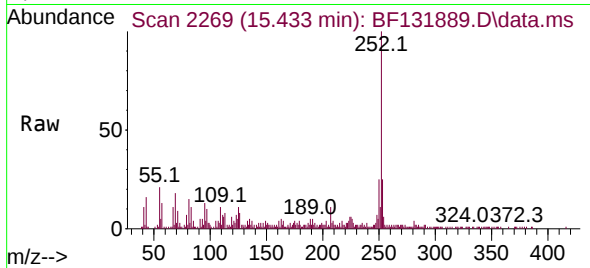
#90
Benzo(a)pyrene
Concen: 6.347 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:252 Resp: 3186
Ion Ratio Lower Upper
252 100
253 24.8 16.6 24.8
125 10.8 5.8 8.8

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



#92
Benzo(g,h,i)perylene
Concen: 7.891 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.000 min
Lab File: BF131889.D
Acq: 29 Dec 2022 21:00

Tgt Ion:276 Resp: 16161
Ion Ratio Lower Upper
276 100
277 27.8 17.9 26.9#
138 16.3 13.7 20.5

