

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
 Data File : BF131888.D
 Acq On : 29 Dec 2022 20:29
 Operator : CG\JU
 Sample : N6220-01DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1DL

Manual Integrations
 APPROVED

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

Quant Time: Dec 30 02:12:34 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	13305	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	46344	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	24086	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	38104	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	28435	20.000	ng	# 0.00
86) Perylene-d12	15.492	264	24620	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	99004	123.316	ng	0.00
7) Phenol-d6	6.445	99	130991	124.186	ng	0.00
23) Nitrobenzene-d5	7.381	82	83132	71.619	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	23344	89.203	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	131815	74.961	ng	0.00
79) Terphenyl-d14	12.951	244	123182	73.278	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.828	142	174211	102.273	ng	99
38) 1-Methylnaphthalene	8.922	142	124215	75.074	ng	100
52) Acenaphthene	9.904	154	12576	9.173	ng	# 76
58) Fluorene	10.422	166	22961	13.315	ng	# 95
71) Phenanthrene	11.386	178	82028	39.147	ng	98
72) Anthracene	11.439	178	10709m	5.224	ng	
75) Fluoranthene	12.580	202	29791	12.206	ng	96
78) Pyrene	12.810	202	37881	15.894	ng	98
81) Benzo(a)anthracene	13.998	228	13683	6.646	ng	# 90
83) Chrysene	14.039	228	12529	6.476	ng	# 90
87) Indeno(1,2,3-cd)pyrene	16.968	276	4709	3.011	ng	# 86
88) Benzo(b)fluoranthene	15.057	252	11386m	6.307	ng	
89) Benzo(k)fluoranthene	15.080	252	4437m	2.544	ng	
90) Benzo(a)pyrene	15.427	252	8552	6.119	ng	# 77
92) Benzo(g,h,i)perylene	17.421	276	4396	7.831	ng	# 92

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

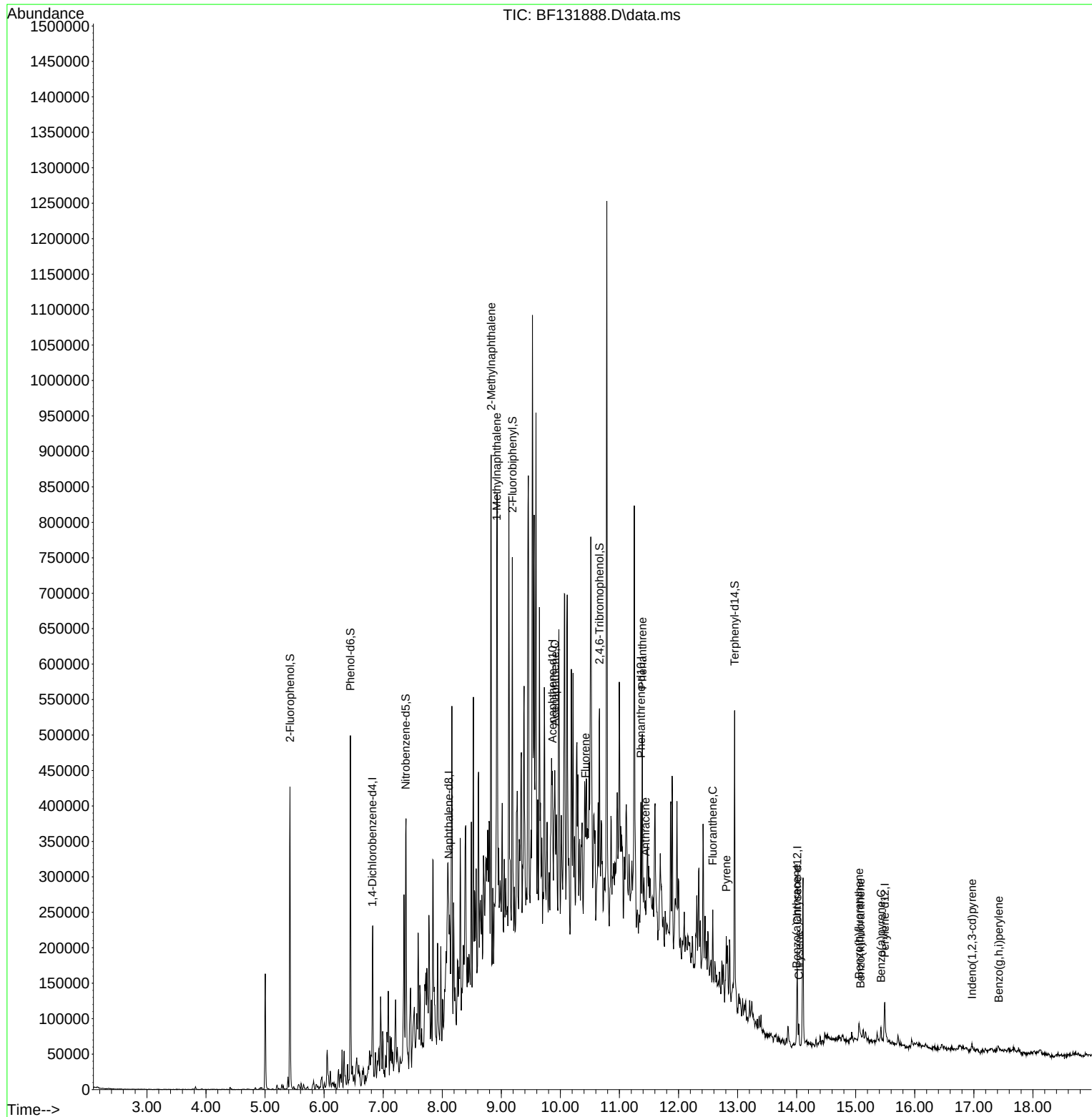
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
Data File : BF131888.D
Acq On : 29 Dec 2022 20:29
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ALS Vial : 16 Sample Multiplier: 1

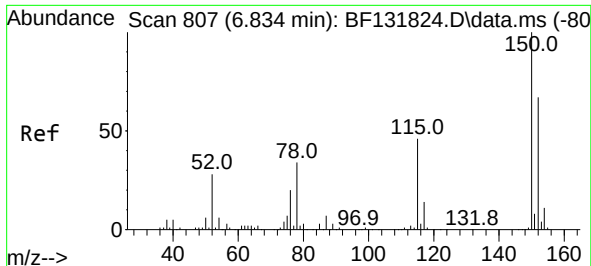
Instrument :
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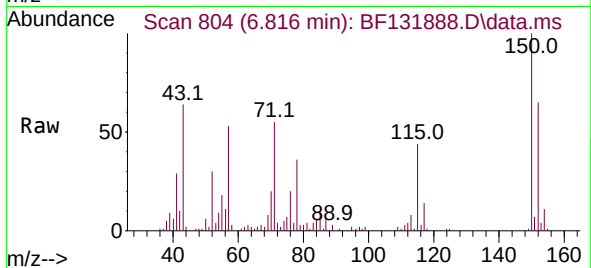
Quant Time: Dec 30 02:12:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 30 02:06:40 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

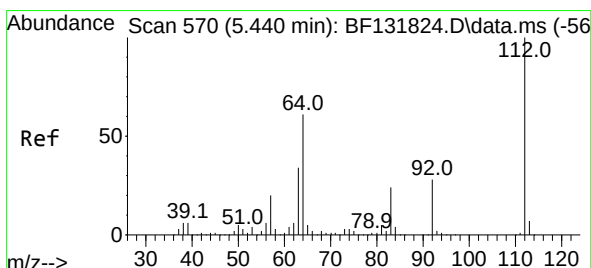
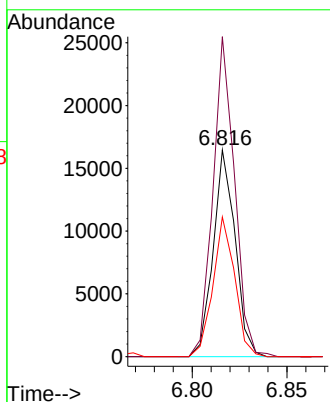
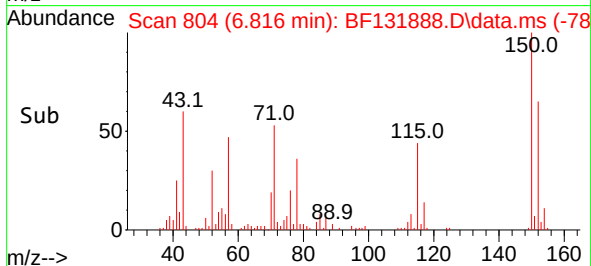
Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion:152 Resp: 13305
Ion Ratio Lower Upper
152 100
150 154.9 120.0 180.0
115 67.6 55.1 82.7

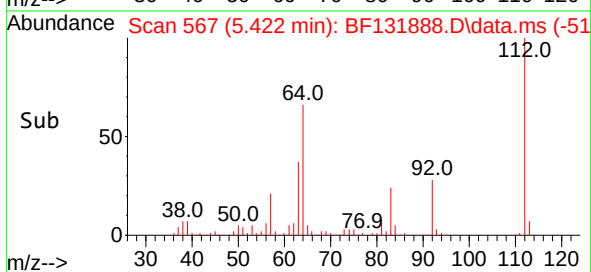
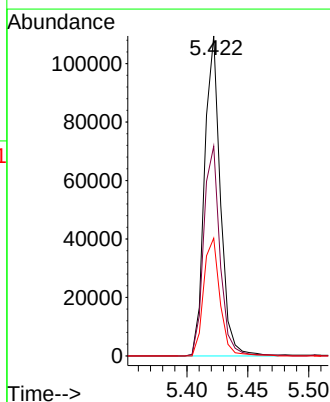
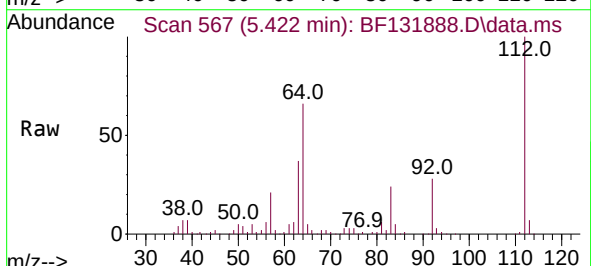
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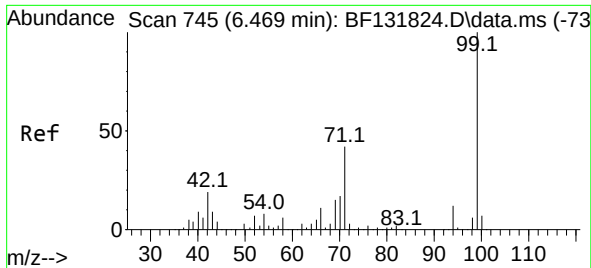
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#5
2-Fluorophenol
Concen: 123.316 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

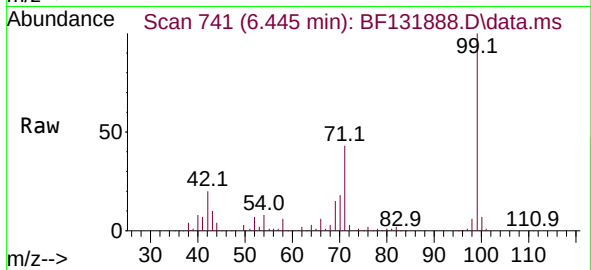
Tgt Ion:112 Resp: 99004
Ion Ratio Lower Upper
112 100
64 65.5 49.2 73.8
63 36.8 27.5 41.3





#7
Phenol-d6
Concen: 124.186 ng
RT: 6.445 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

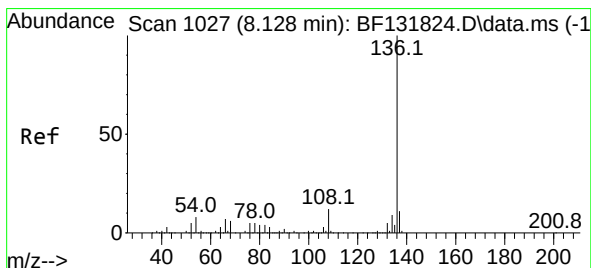
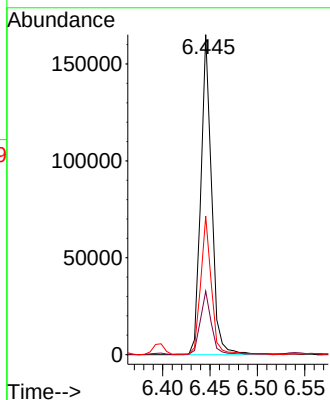
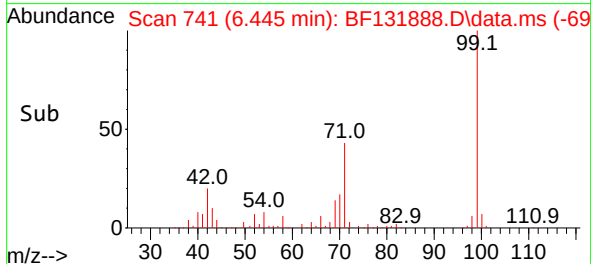
Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion: 99 Resp: 130991
Ion Ratio Lower Upper
99 100
42 19.8 15.3 22.9
71 43.3 33.5 50.3

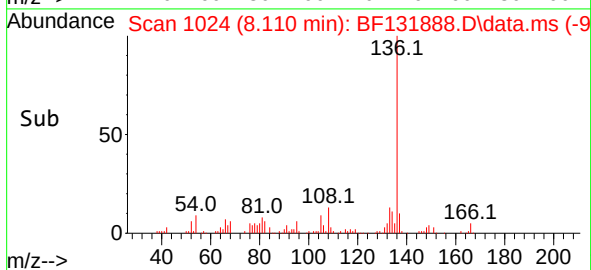
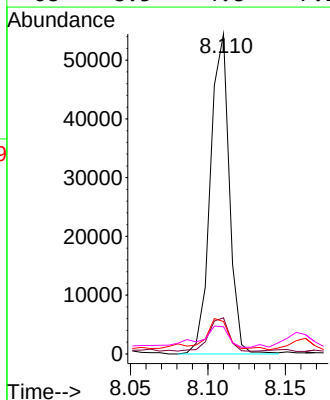
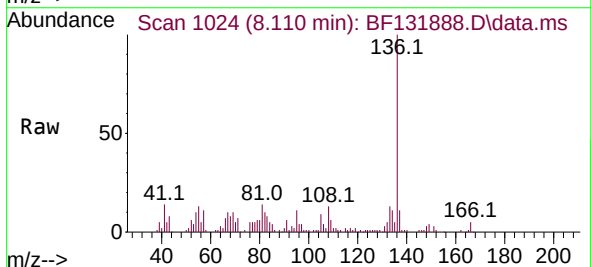
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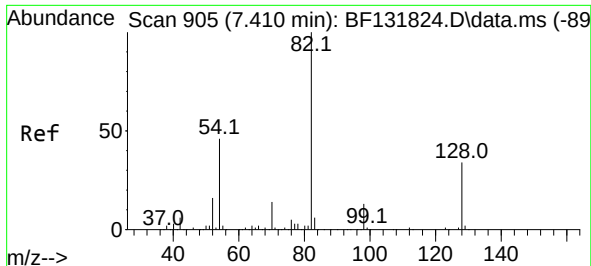
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.000 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

Tgt Ion:136 Resp: 46344
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 10.1 6.7 10.1#
68 8.5 4.8 7.2#





#23

Nitrobenzene-d5

Concen: 71.619 ng

RT: 7.381 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF131888.D

Acq: 29 Dec 2022 20:29

Instrument :

BNA_F

ClientSampleId :

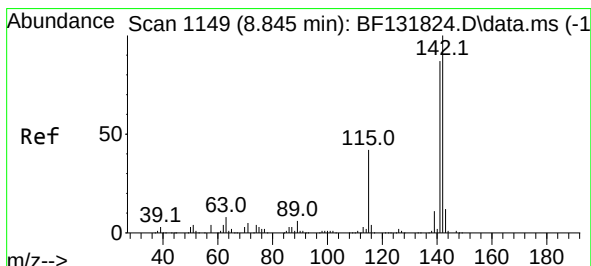
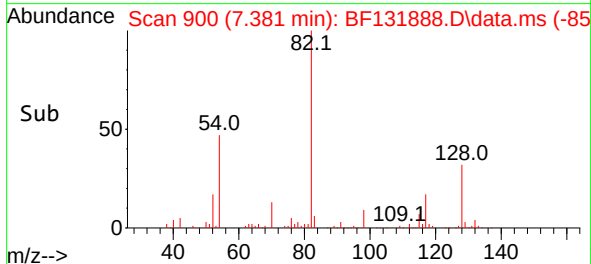
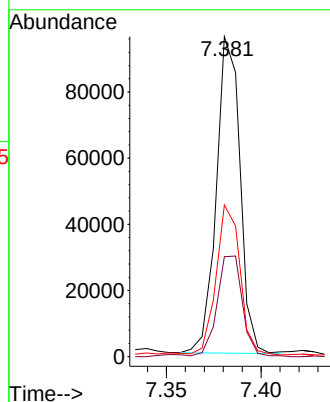
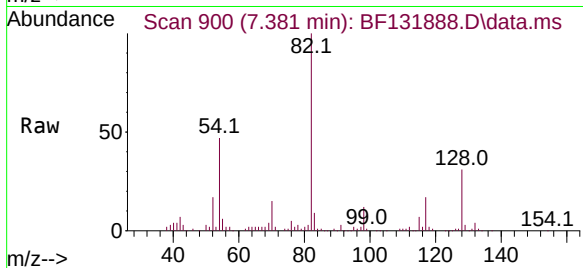
TP-1DL

Tgt Ion: 82 Resp: 83132
 Ion Ratio Lower Upper
 82 100
 128 31.2 27.1 40.7
 54 47.4 37.0 55.6

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#37

2-Methylnaphthalene

Concen: 102.273 ng

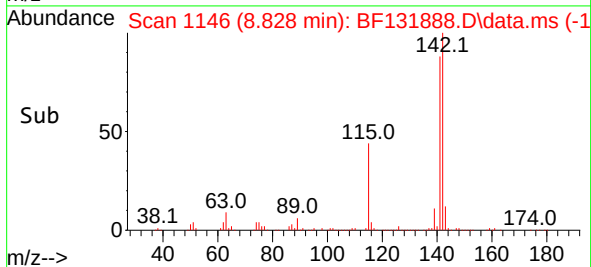
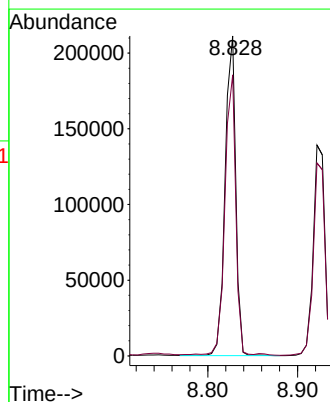
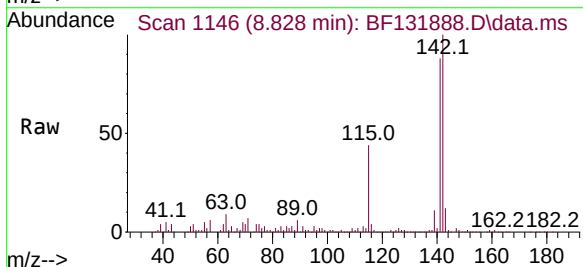
RT: 8.828 min Scan# 1146

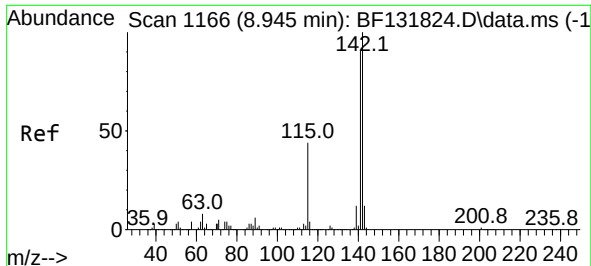
Delta R.T. -0.000 min

Lab File: BF131888.D

Acq: 29 Dec 2022 20:29

Tgt Ion:142 Resp: 174211
 Ion Ratio Lower Upper
 142 100
 141 87.8 69.8 104.8





#38

1-Methylnaphthalene

Concen: 75.074 ng

RT: 8.922 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF131888.D

Acq: 29 Dec 2022 20:29

Instrument :

BNA_F

ClientSampleId :

TP-1DL

Tgt Ion:142 Resp: 124215

Ion Ratio Lower Upper

142 100

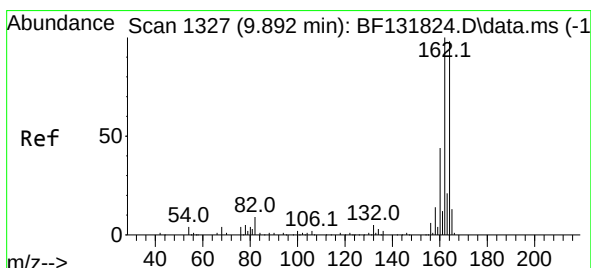
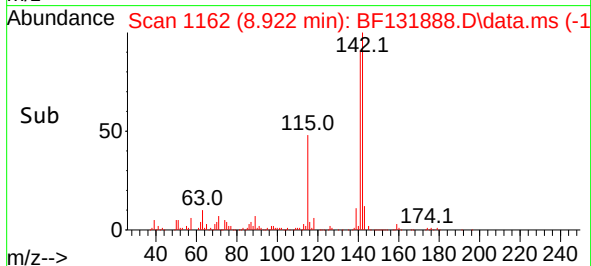
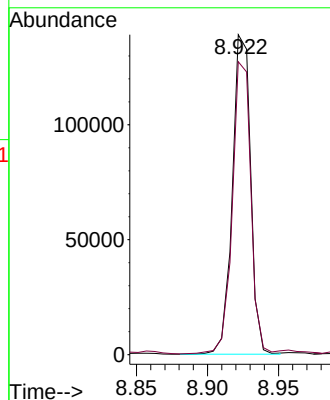
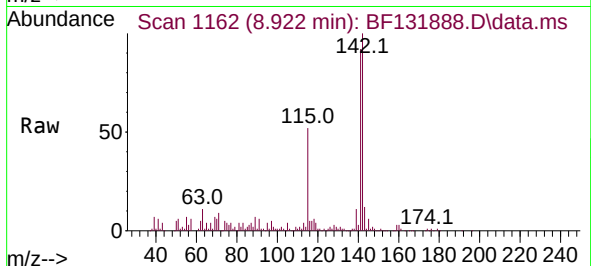
141 91.5 73.0 109.6

Manual Integrations

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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: BF131888.D

Acq: 29 Dec 2022 20:29

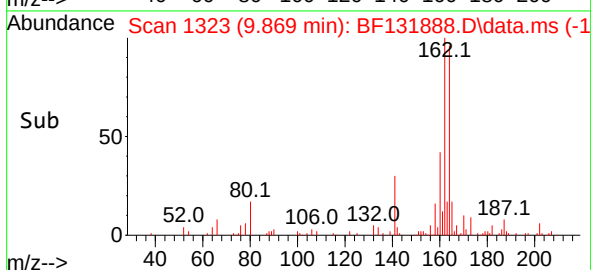
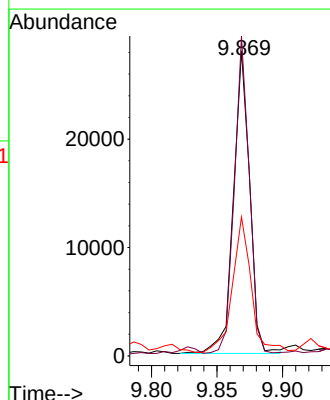
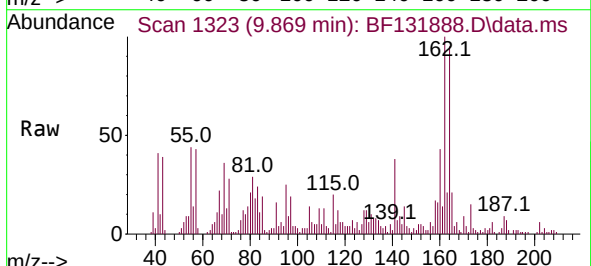
Tgt Ion:164 Resp: 24086

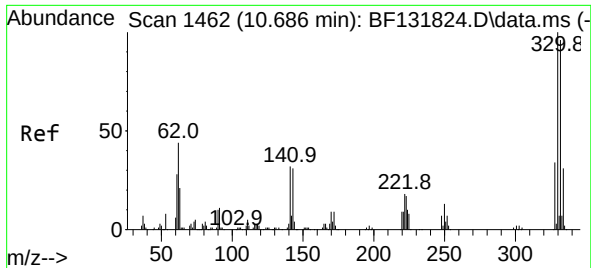
Ion Ratio Lower Upper

164 100

162 104.9 81.8 122.6

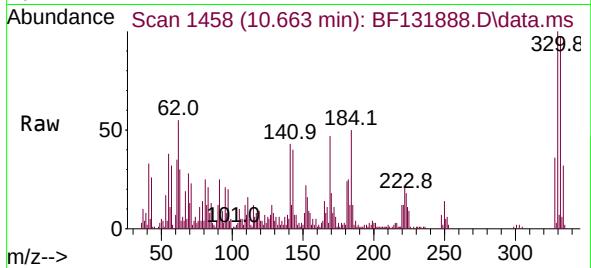
160 45.6 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 89.203 ng
RT: 10.663 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

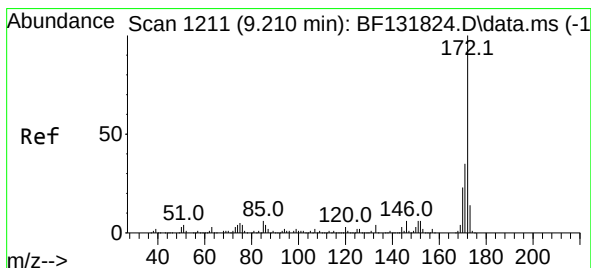
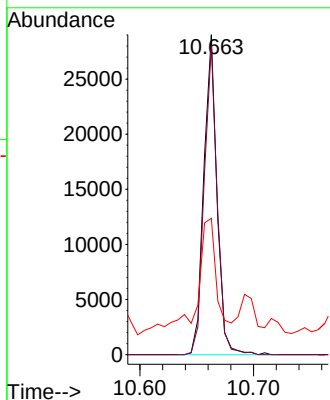
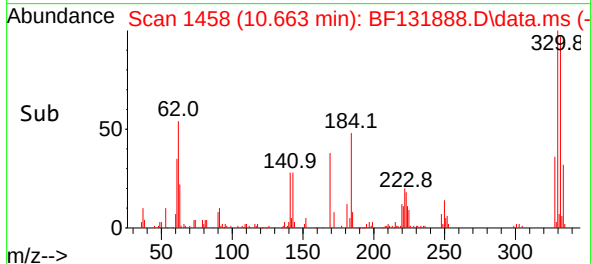
Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion: 330 Resp: 23344
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.4
141 56.1 31.0 46.4

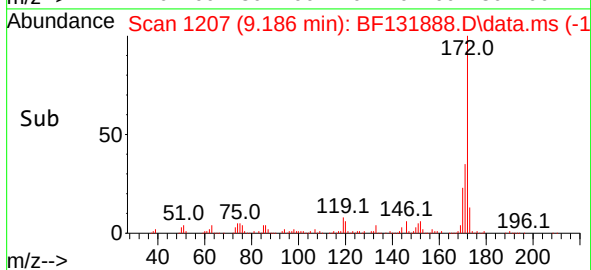
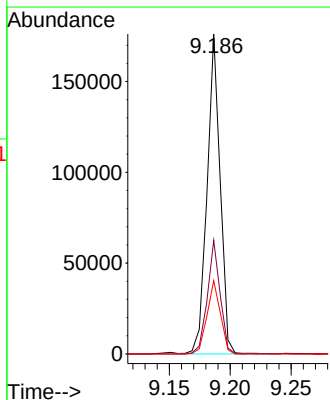
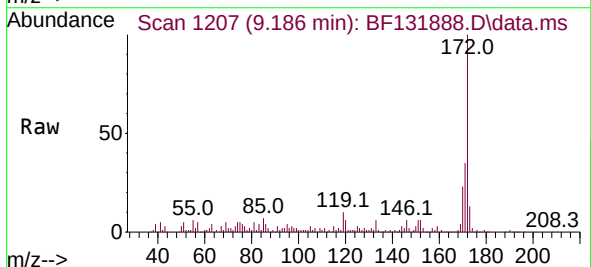
Manual Integrations
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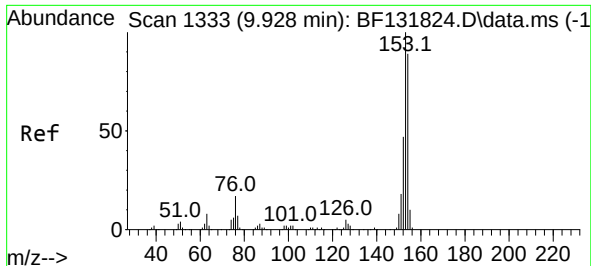
Reviewed By : Jagrut Upadhyay 12/30/2022
Supervised By : Yogesh Patel 12/30/2022



#45
2-Fluorobiphenyl
Concen: 74.961 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

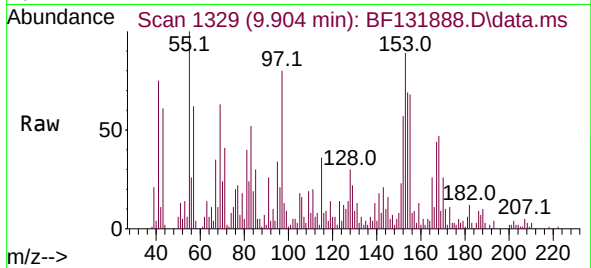
Tgt Ion: 172 Resp: 131815
Ion Ratio Lower Upper
172 100
171 35.5 27.9 41.9
170 22.9 18.7 28.1





#52
Acenaphthene
Concen: 9.173 ng
RT: 9.904 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

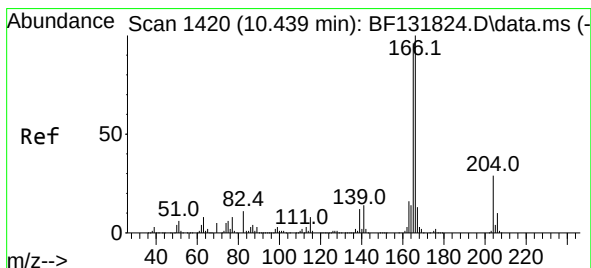
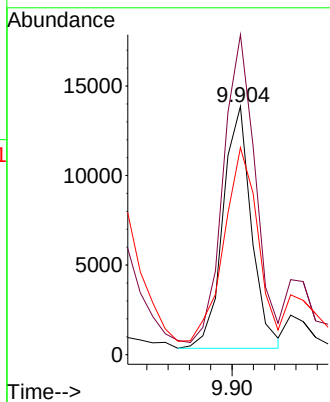
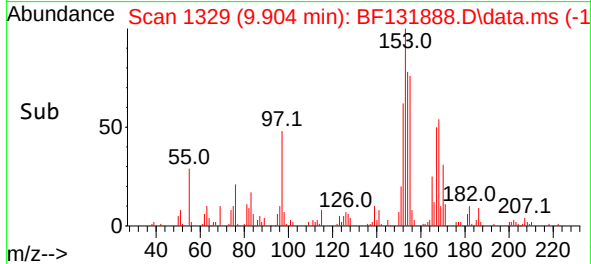
Instrument :
BNA_F
Client SampleId :
TP-1DL



Tgt Ion:154 Resp: 12576
Ion Ratio Lower Upper
154 100
153 128.9 90.2 135.2
152 83.4 42.5 63.7

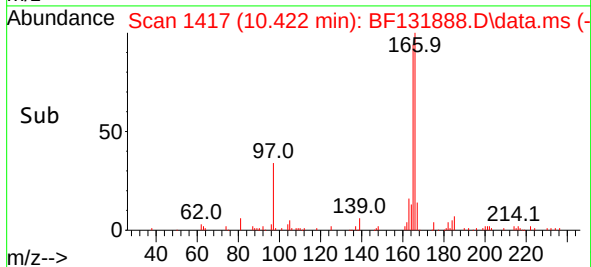
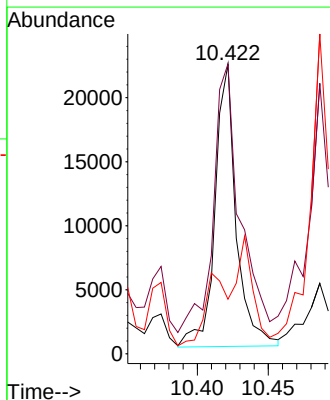
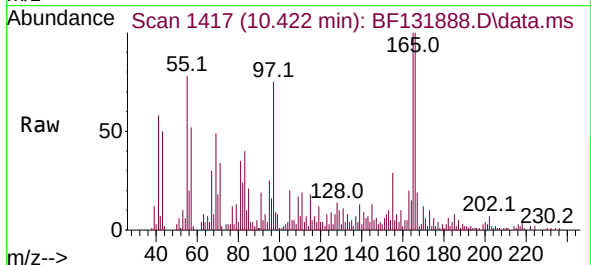
Manual Integrations
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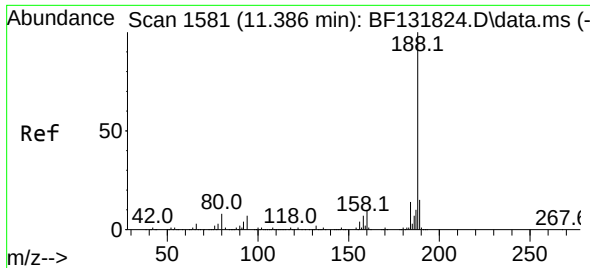
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#58
Fluorene
Concen: 13.315 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

Tgt Ion:166 Resp: 22961
Ion Ratio Lower Upper
166 100
165 100.2 77.0 115.4
167 18.9 10.4 15.6





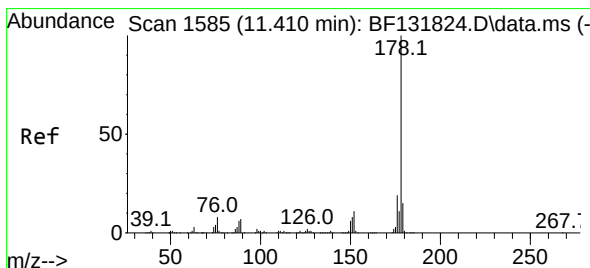
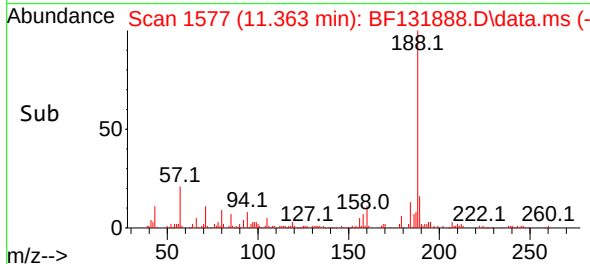
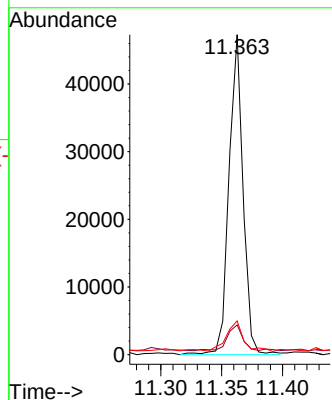
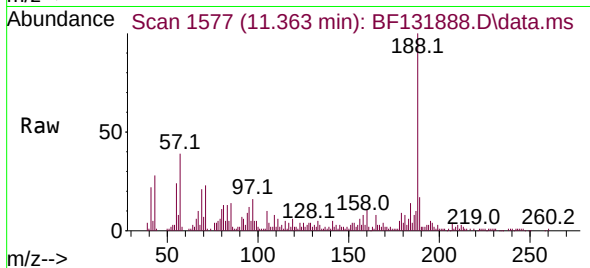
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

Instrument :
BNA_F
ClientSampleId :
TP-1DL

Tgt Ion:188 Resp: 38104
Ion Ratio Lower Upper
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94 9.3 5.8 8.6
80 10.5 6.7 10.1

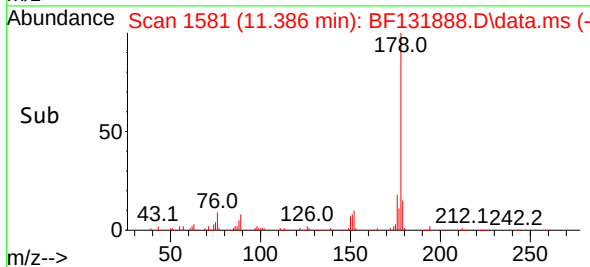
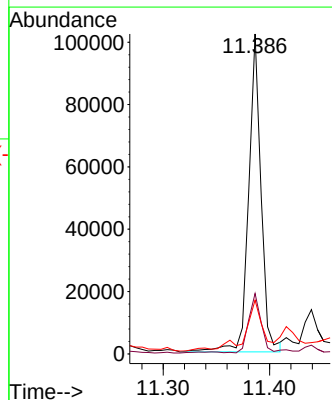
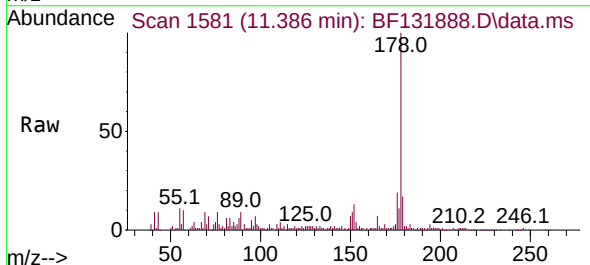
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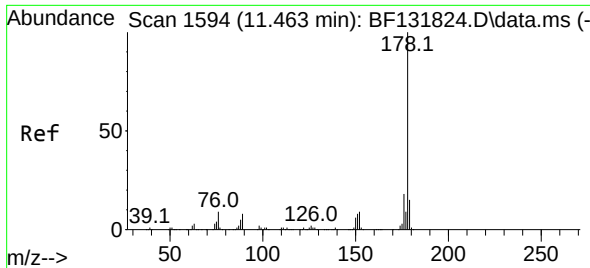
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#71
Phenanthrene
Concen: 39.147 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

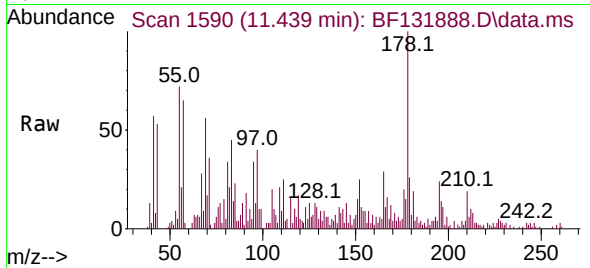
Tgt Ion:178 Resp: 82028
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 16.8 12.2 18.4





#72
 Anthracene
 Concen: 5.224 ng m
 RT: 11.439 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF131888.D
 Acq: 29 Dec 2022 20:29

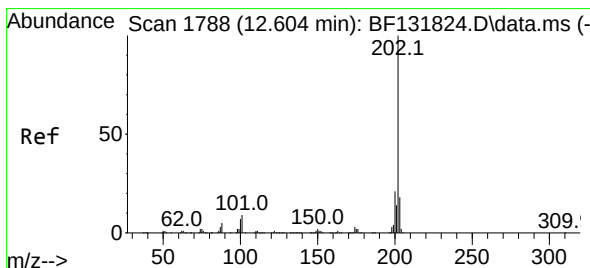
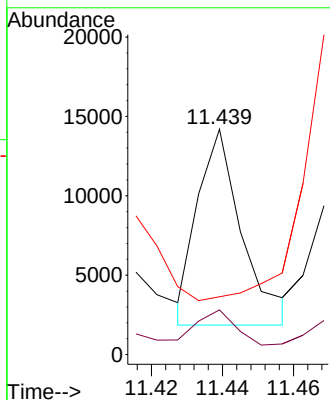
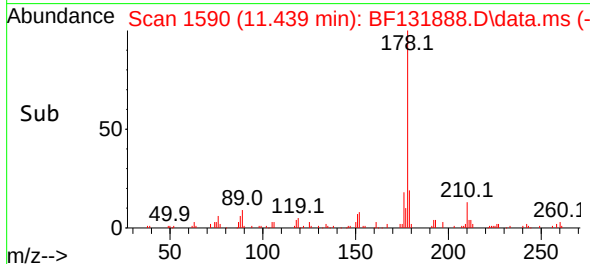
Instrument :
 BNA_F
 ClientSampleId :
 TP-1DL



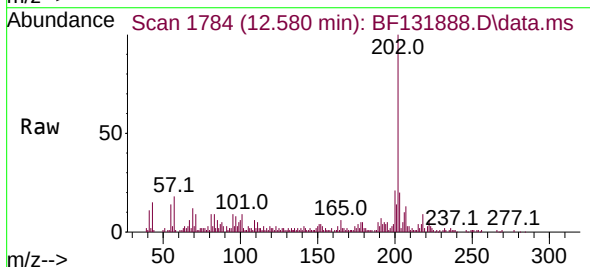
Tgt Ion:178 Resp: 10709
 Ion Ratio Lower Upper
 178 100
 176 19.9 14.8 22.2
 179 25.7 12.2 18.2

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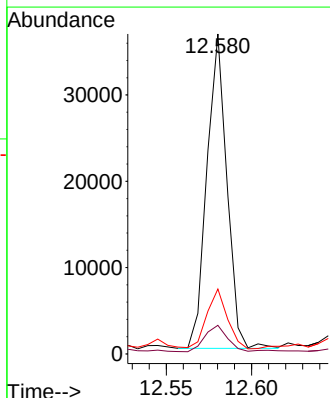
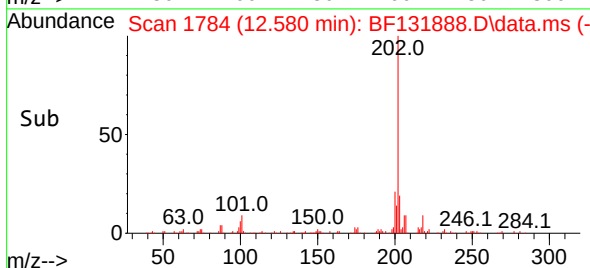
Reviewed By :Jagrut Upadhyay 12/30/2022
 Supervised By :Yogesh Patel 12/30/2022

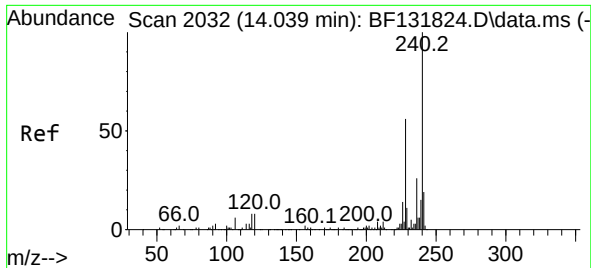


#75
 Fluoranthene
 Concen: 12.206 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.000 min
 Lab File: BF131888.D
 Acq: 29 Dec 2022 20:29



Tgt Ion:202 Resp: 29791
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 28.6
 203 20.3 0.0 37.8





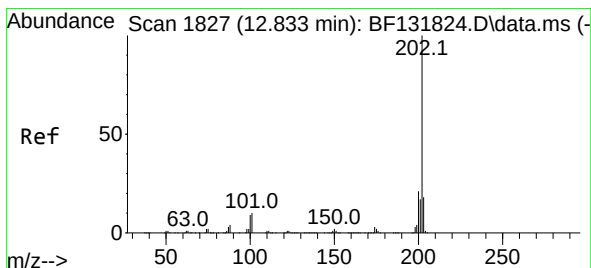
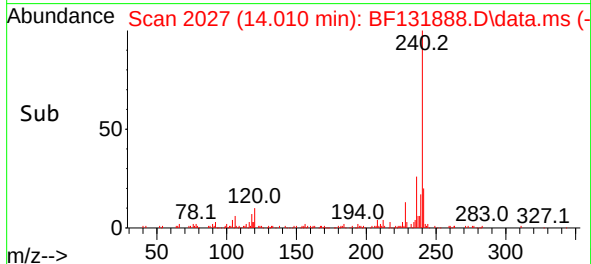
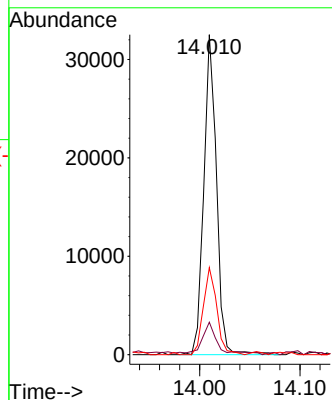
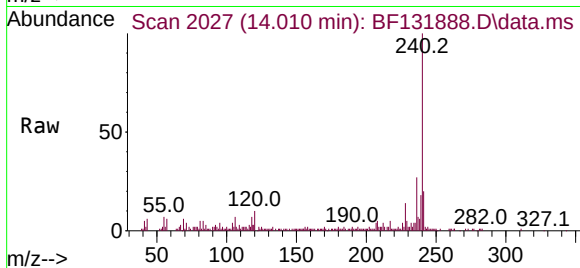
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

Instrument :
BNA_F
ClientSampleId :
TP-1DL

Tgt Ion:240 Resp: 28435
Ion Ratio Lower Upper
240 100
120 10.1 6.7 10.1
236 27.2 20.6 31.0

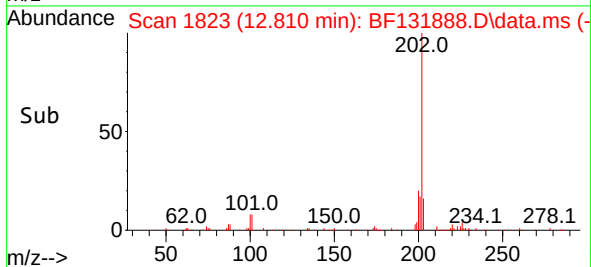
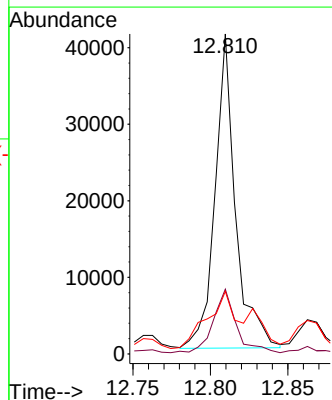
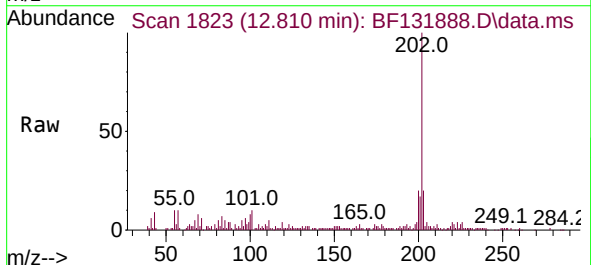
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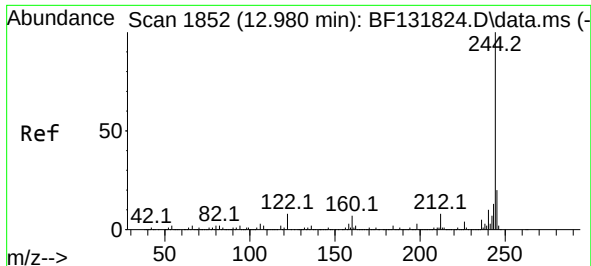
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#78
Pyrene
Concen: 15.894 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

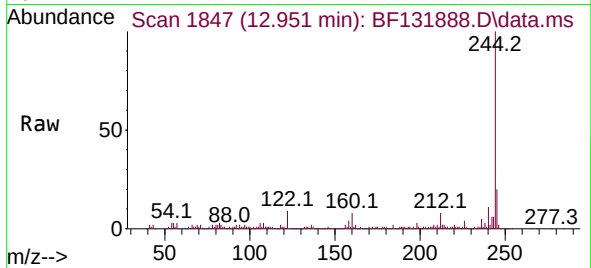
Tgt Ion:202 Resp: 37881
Ion Ratio Lower Upper
202 100
200 20.2 16.7 25.1
203 19.5 14.4 21.6





#79
 Terphenyl-d14
 Concen: 73.278 ng
 RT: 12.951 min Scan# 1852
 Delta R.T. -0.006 min
 Lab File: BF131888.D
 Acq: 29 Dec 2022 20:29

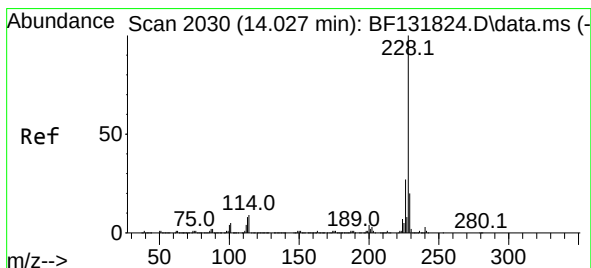
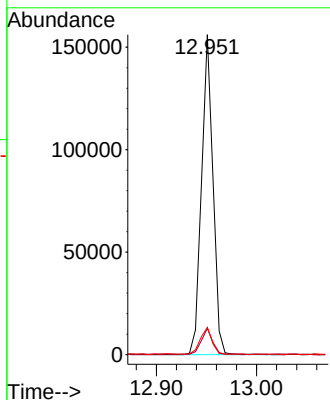
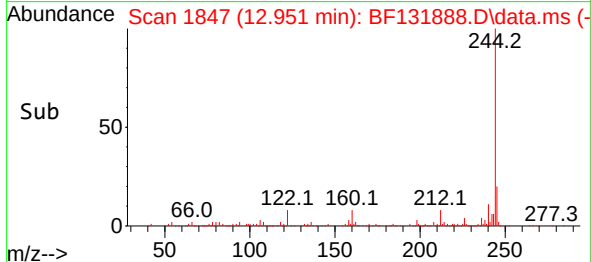
Instrument :
 BNA_F
 Client Sample Id :
 TP-1DL



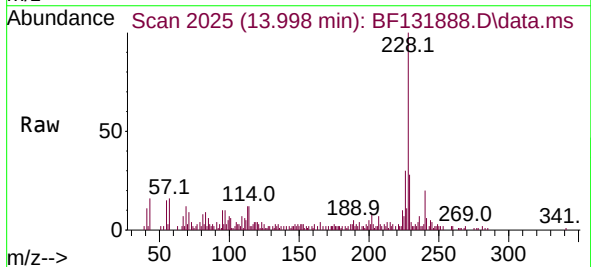
Tgt Ion:244 Resp: 123182
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.3 9.5
 122 8.5 6.4 9.6

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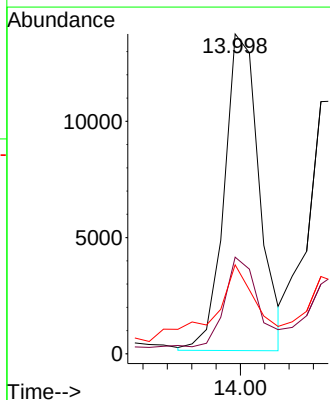
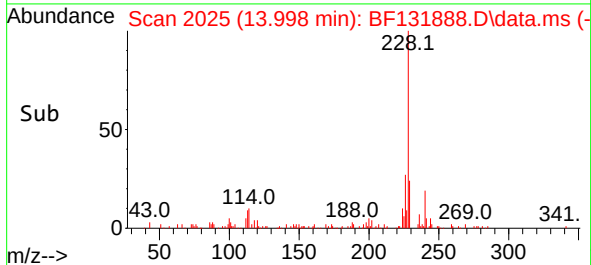
Reviewed By :Jagrut Upadhyay 12/30/2022
 Supervised By :Yogesh Patel 12/30/2022

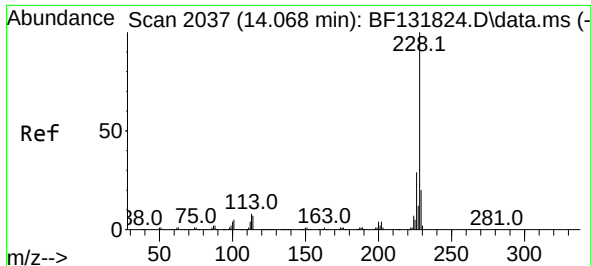


#81
 Benzo(a)anthracene
 Concen: 6.646 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.006 min
 Lab File: BF131888.D
 Acq: 29 Dec 2022 20:29



Tgt Ion:228 Resp: 13683
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.0 33.0
 229 27.8 16.0 24.0#





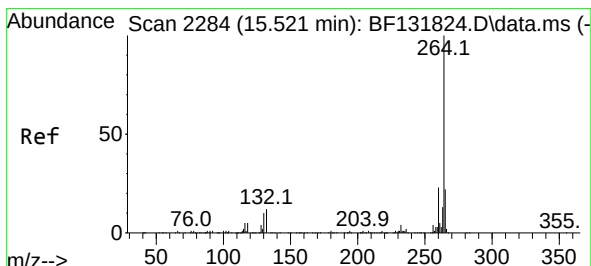
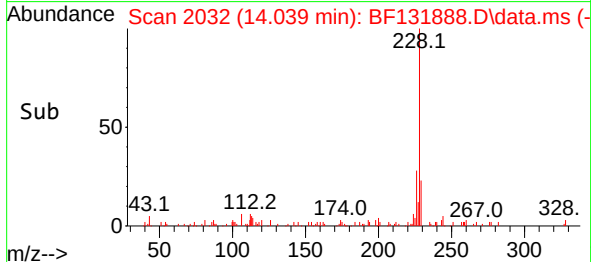
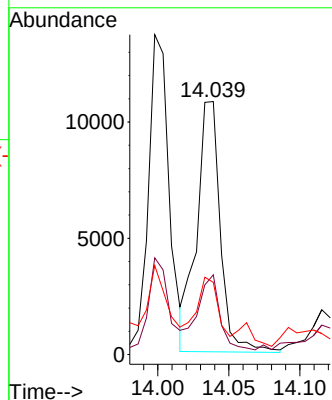
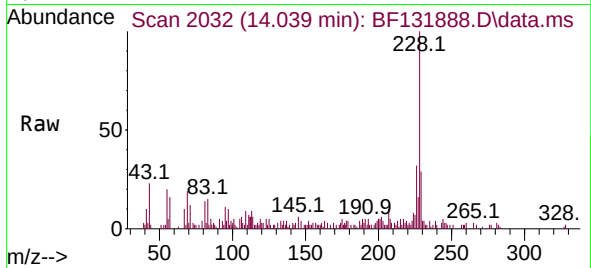
#83
Chrysene
Concen: 6.476 ng
RT: 14.039 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

Instrument :
BNA_F
Client SampleId :
TP-1DL

Tgt Ion:228	Resp:	12529
Ion Ratio	Lower	Upper
228	100	
226	31.5	23.5 35.3
229	28.5	16.2 24.2

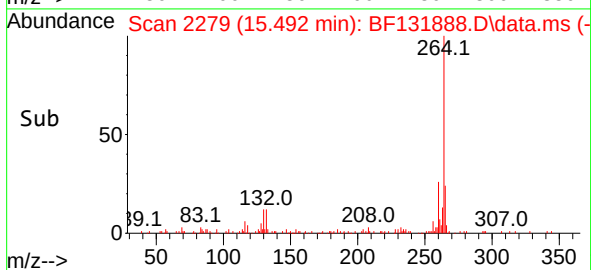
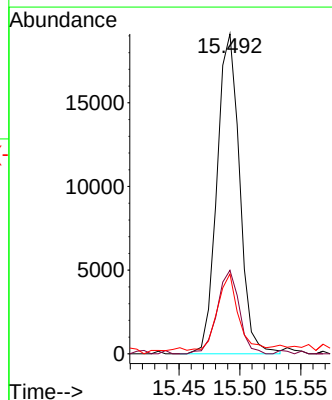
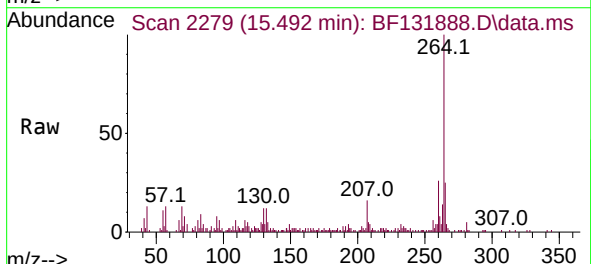
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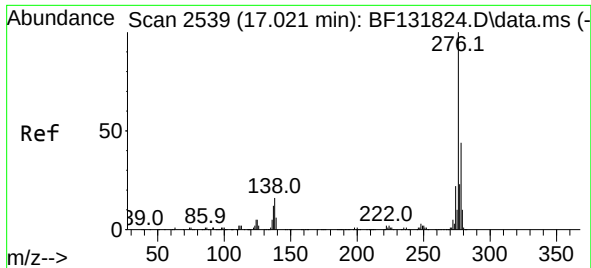
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.000 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

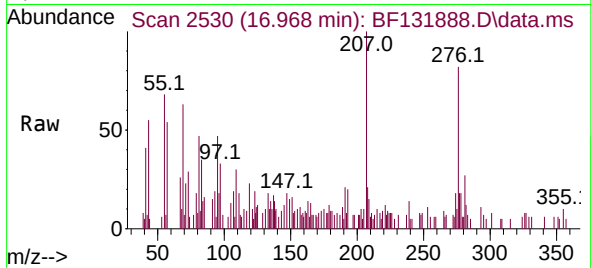
Tgt Ion:264	Resp:	24620
Ion Ratio	Lower	Upper
264	100	
260	26.1	18.6 28.0
265	25.0	17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.011 ng
RT: 16.968 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

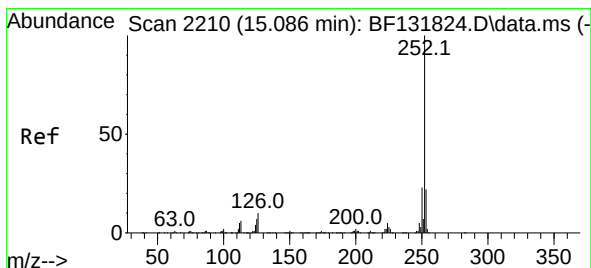
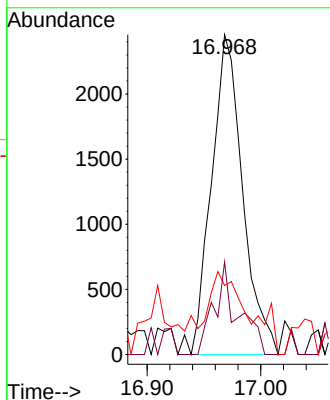
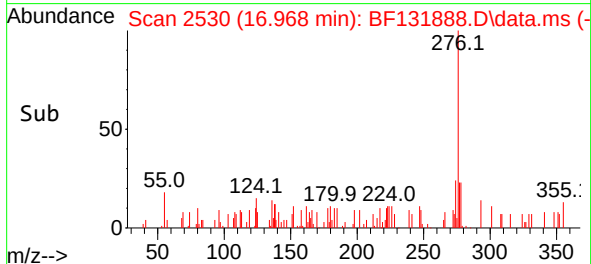
Instrument :
BNA_F
ClientSampleId :
TP-1DL



Tgt Ion:276 Resp: 4709
Ion Ratio Lower Upper
276 100
138 16.0 14.5 21.7
277 14.2 19.7 29.5

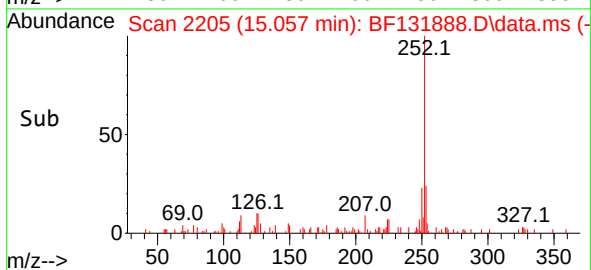
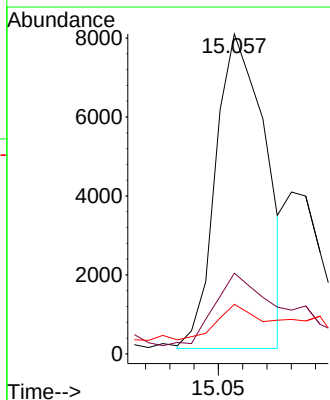
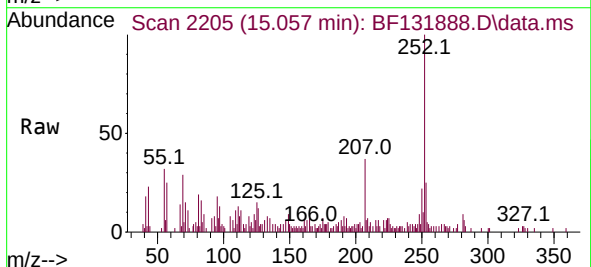
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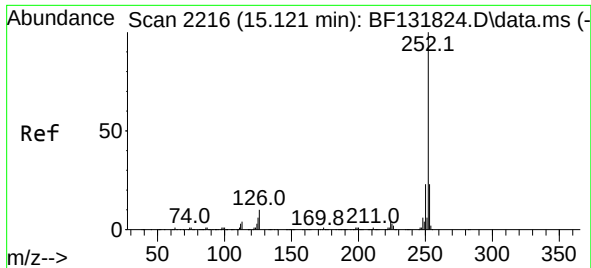
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#88
Benzo(b)fluoranthene
Concen: 6.307 ng m
RT: 15.057 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF131888.D
Acq: 29 Dec 2022 20:29

Tgt Ion:252 Resp: 11386
Ion Ratio Lower Upper
252 100
253 25.3 17.6 26.4
125 15.5 5.8 8.8





#89

Benzo(k)fluoranthene

Concen: 2.544 ng m

RT: 15.080 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF131888.D

Acq: 29 Dec 2022 20:29

Instrument :

BNA_F

ClientSampleId :

TP-1DL

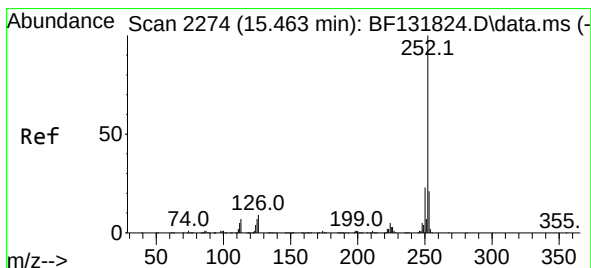
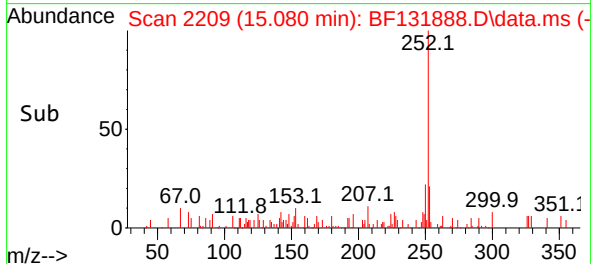
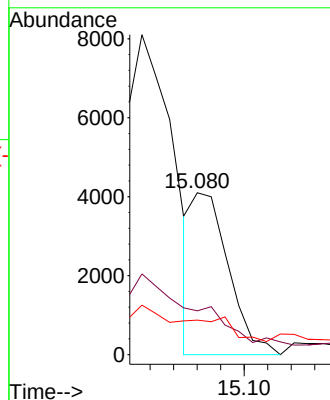
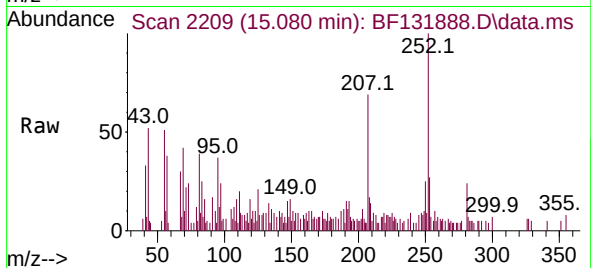
Tgt Ion:252 Resp: 443

Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.7	26.5
125	21.3	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: 6.119 ng

RT: 15.427 min Scan# 2268

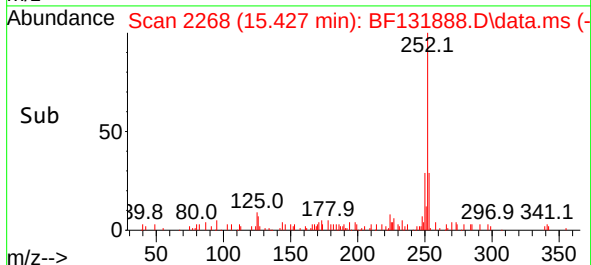
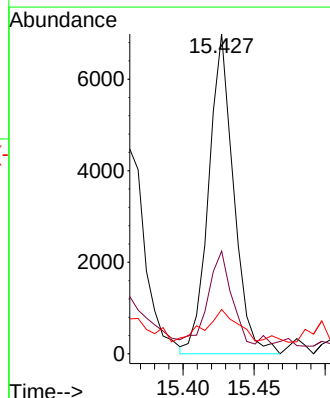
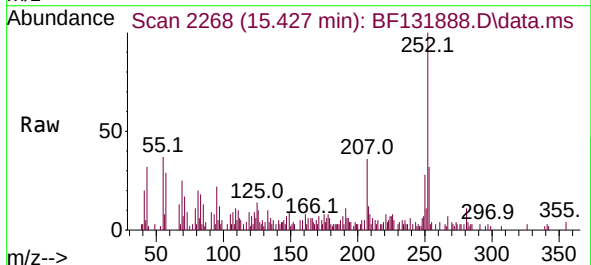
Delta R.T. -0.006 min

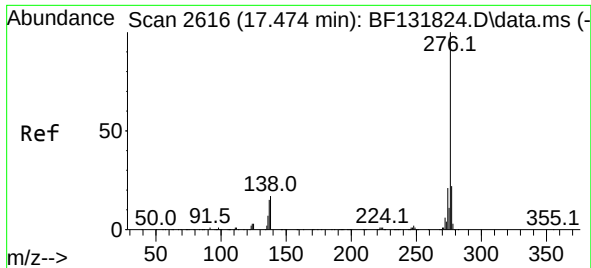
Lab File: BF131888.D

Acq: 29 Dec 2022 20:29

Tgt Ion:252 Resp: 8552

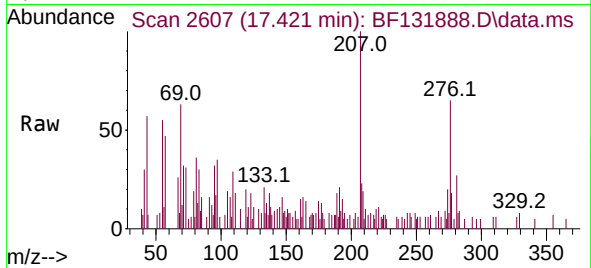
Ion	Ratio	Lower	Upper
252	100		
253	32.1	16.6	24.8
125	13.9	5.8	8.8





#92
 Benzo(g,h,i)perylene
 Concen: 7.831 ng
 RT: 17.421 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF131888.D
 Acq: 29 Dec 2022 20:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-1DL



Tgt Ion: 276 Resp: 4396

Ion	Ratio	Lower	Upper
276	100		
277	28.6	17.9	26.9
138	16.4	13.7	20.5

Manual Integrations
 APPROVED

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

