

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131172.D
 Acq On : 12 Nov 2022 01:27
 Operator : CG\JU
 Sample : N5556-09 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

Quant Time: Nov 12 01:52:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74166	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	250973	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	113428	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	164742	20.000	ng	0.00
76) Chrysene-d12	14.063	240	106703	20.000	ng	0.00
86) Perylene-d12	15.562	264	84764	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	127632	29.266	ng	0.00
7) Phenol-d6	6.498	99	188766	33.107	ng	0.00
23) Nitrobenzene-d5	7.434	82	108825	19.564	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	14287	12.188	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	193477	23.812	ng	0.00
79) Terphenyl-d14	12.998	244	160931	26.444	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	100263	11.066	ng	99
72) Anthracene	11.486	178	31603	3.594	ng	97
75) Fluoranthene	12.627	202	149743	16.510	ng	97
78) Pyrene	12.863	202	123019	13.438	ng	100
81) Benzo(a)anthracene	14.051	228	49265	6.459	ng	98
83) Chrysene	14.086	228	41771	5.799	ng	98
87) Indeno(1,2,3-cd)pyrene	17.068	276	23135	6.932	ng	95
88) Benzo(b)fluoranthene	15.121	252	53681m	8.957	ng	
89) Benzo(k)fluoranthene	15.145	252	17024m	2.955	ng	
90) Benzo(a)pyrene	15.492	252	31166	6.487	ng	# 86
92) Benzo(g,h,i)perylene	17.533	276	23610	7.966	ng	# 82

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

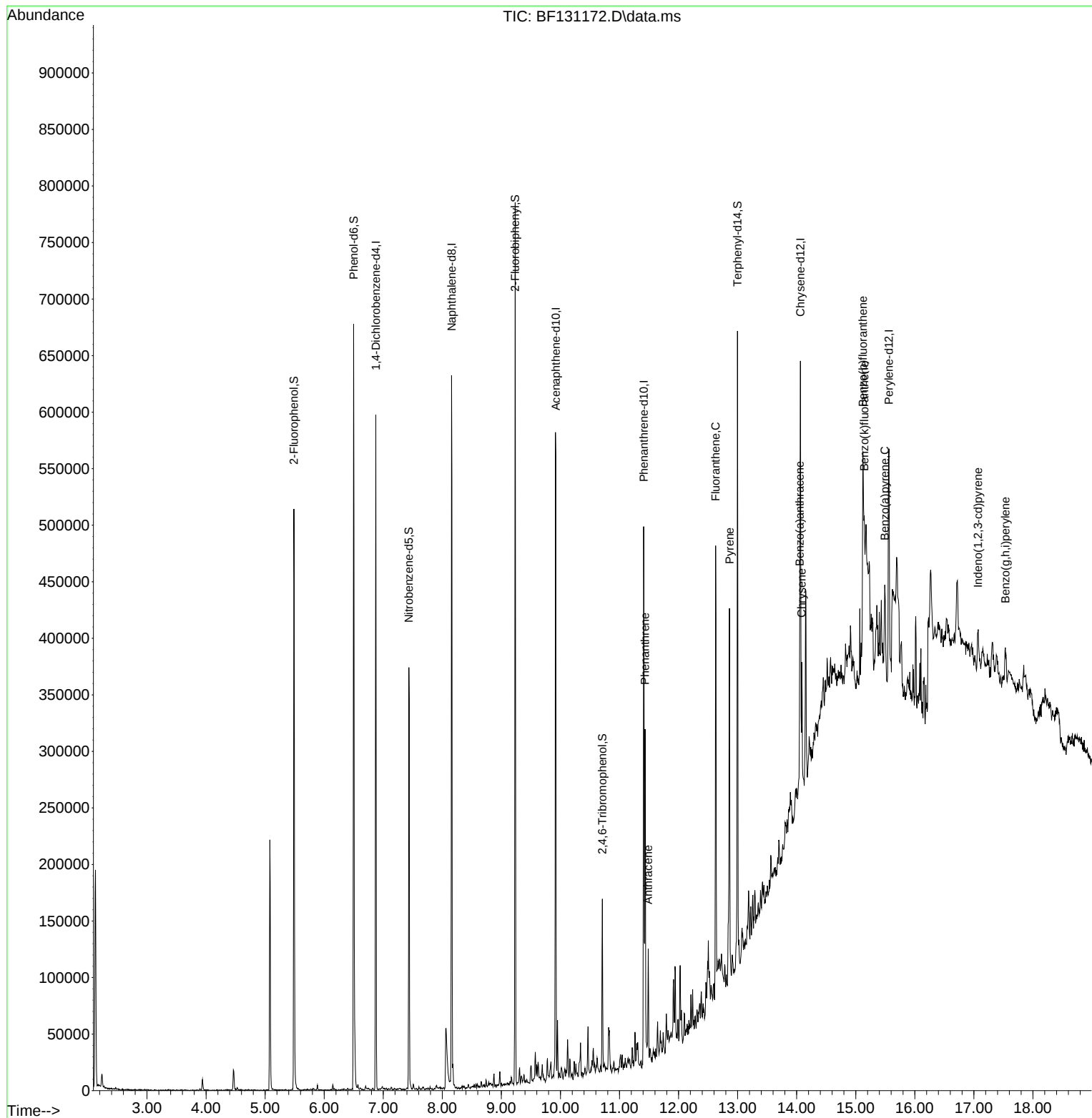
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131172.D
Acq On : 12 Nov 2022 01:27
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ALS Vial : 17 Sample Multiplier: 1

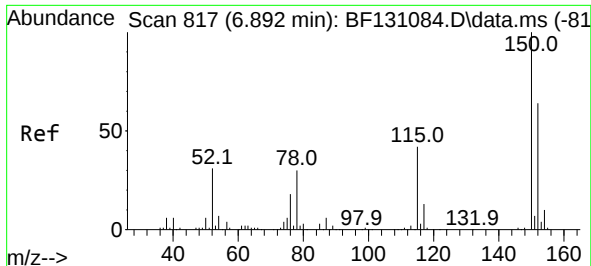
Instrument :
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Quant Time: Nov 12 01:52:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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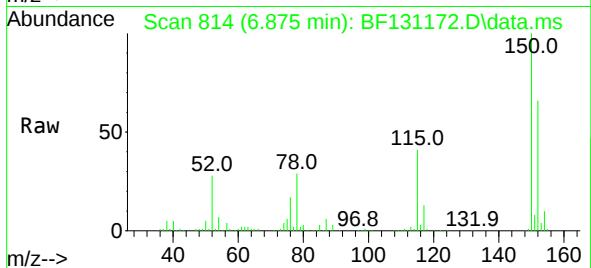
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

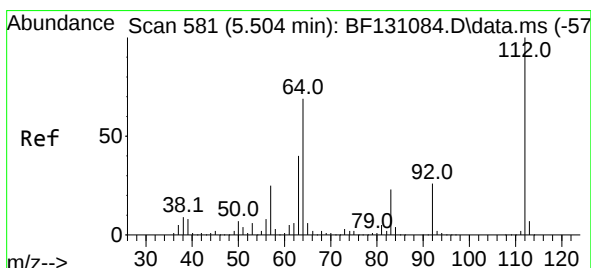
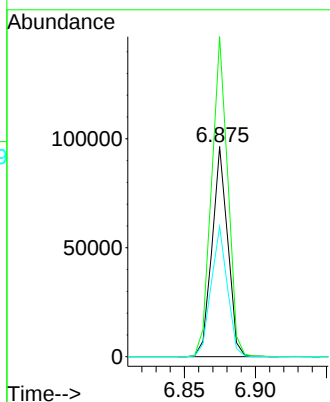
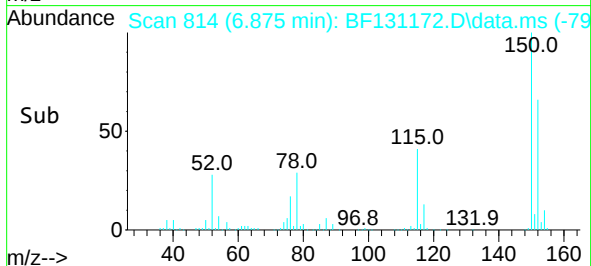
Instrument :
BNA_F
ClientSampleId :
RM-9



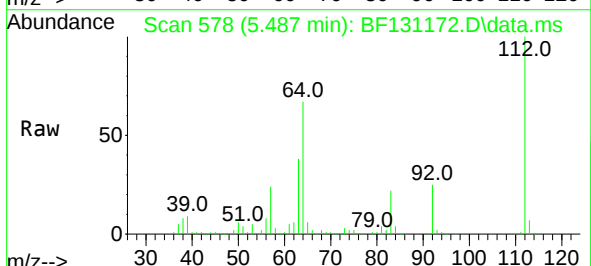
Tgt Ion:152 Resp: 74160
Ion Ratio Lower Upper
152 100
150 152.3 125.5 188.3
115 62.0 52.2 78.2

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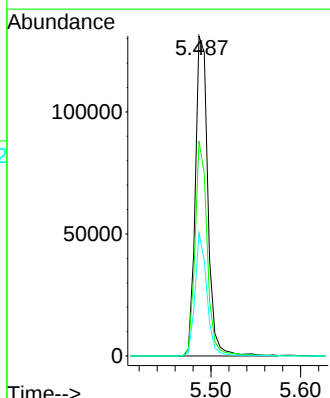
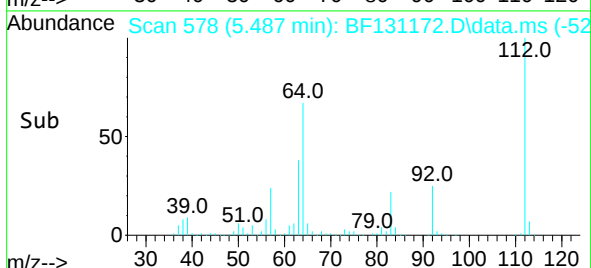
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

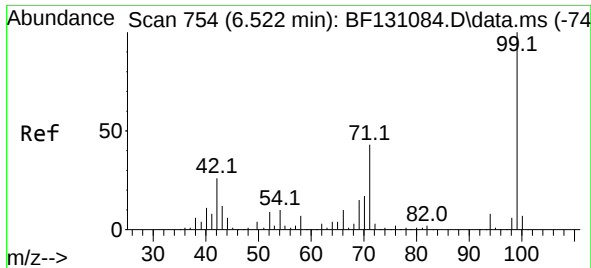


#5
2-Fluorophenol
Concen: 29.266 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27



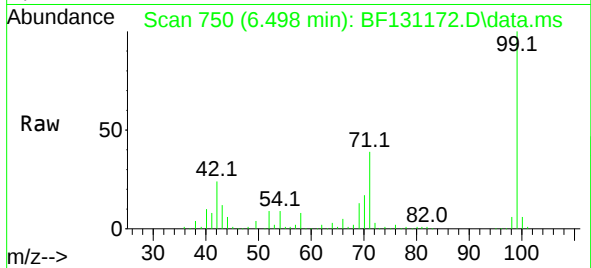
Tgt Ion:112 Resp: 127632
Ion Ratio Lower Upper
112 100
64 67.2 55.1 82.7
63 38.4 32.4 48.6





#7
Phenol-d6
Concen: 33.107 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

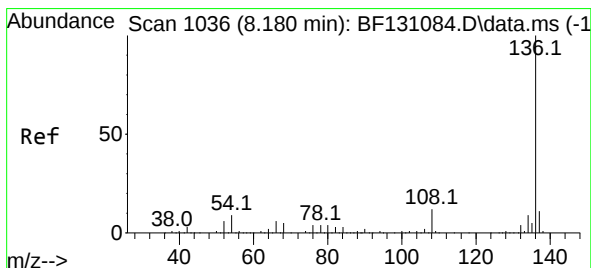
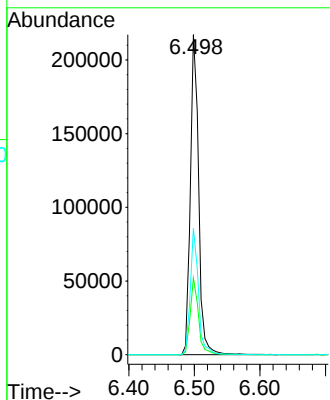
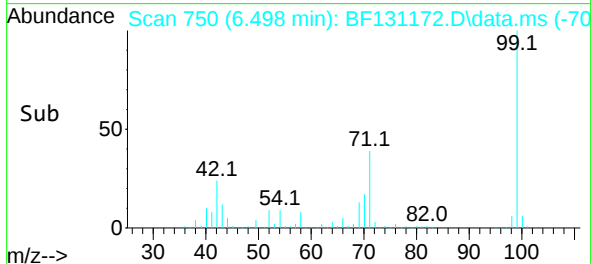
Instrument :
BNA_F
ClientSampleId :
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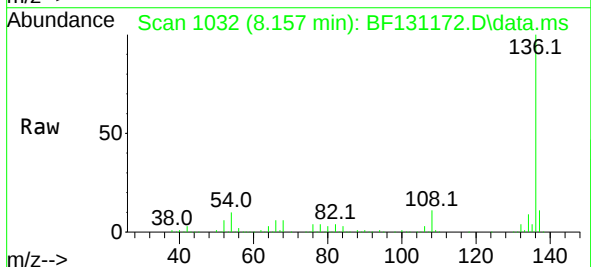
Tgt Ion: 99 Resp: 188760
Ion Ratio Lower Upper
99 100
42 24.0 20.8 31.2
71 39.4 34.2 51.4

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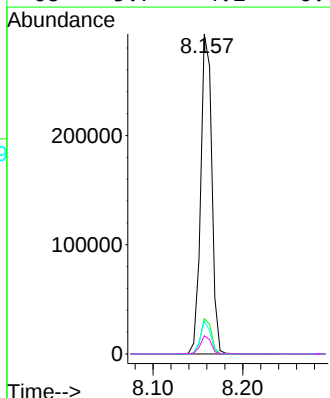
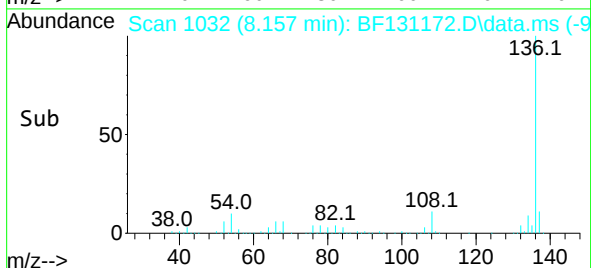
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

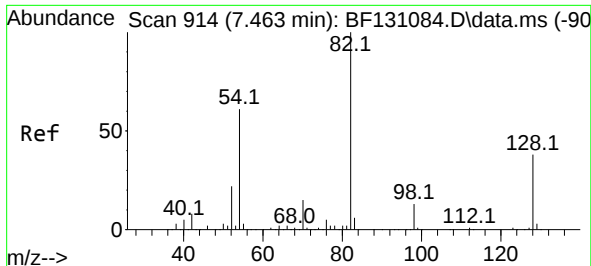


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27



Tgt Ion:136 Resp: 250973
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.2 7.2 10.8
68 5.7 4.2 6.4





#23

Nitrobenzene-d5

Concen: 19.564 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

RM-9

Tgt Ion: 82 Resp: 108825

Ion Ratio Lower Upper

82 100

128 38.1 30.5 45.7

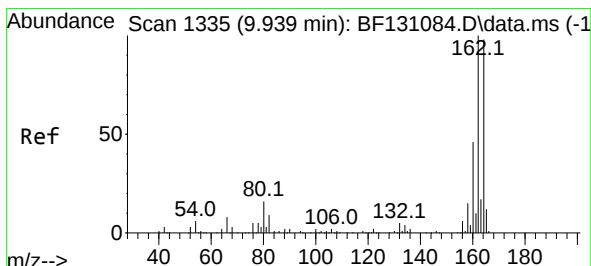
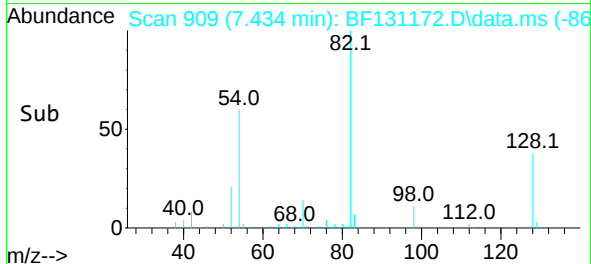
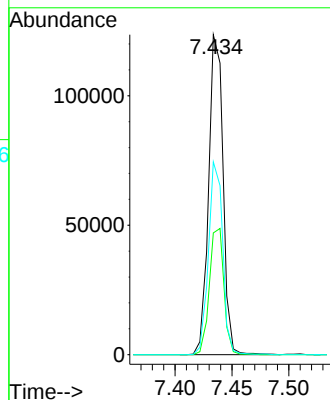
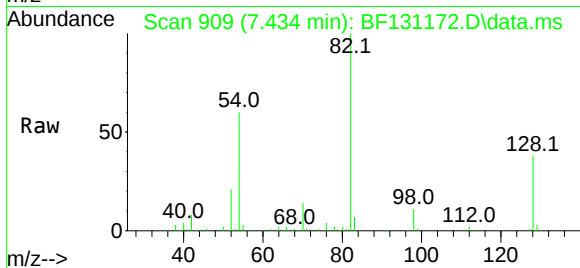
54 60.2 49.1 73.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

Delta R.T. -0.000 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

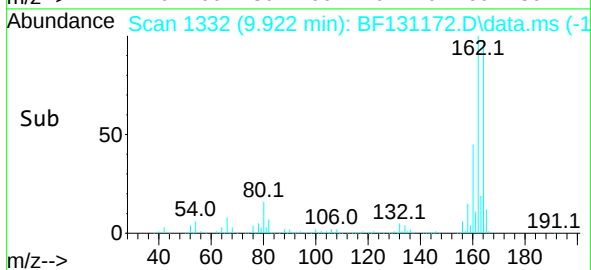
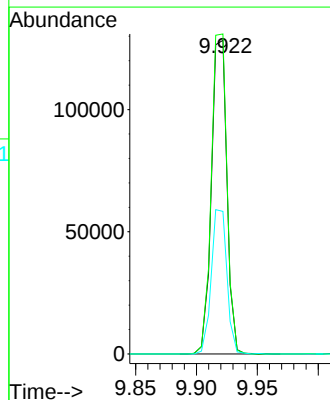
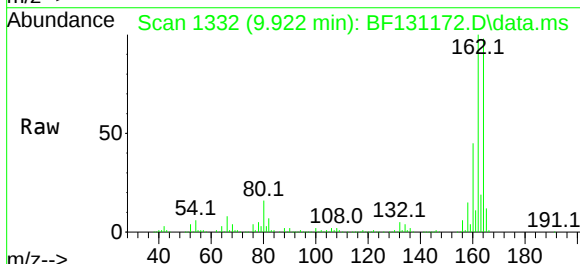
Tgt Ion:164 Resp: 113428

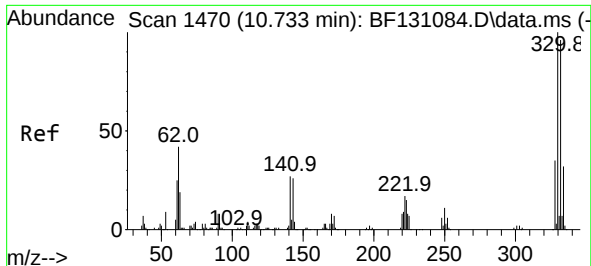
Ion Ratio Lower Upper

164 100

162 102.1 81.7 122.5

160 45.5 37.4 56.2





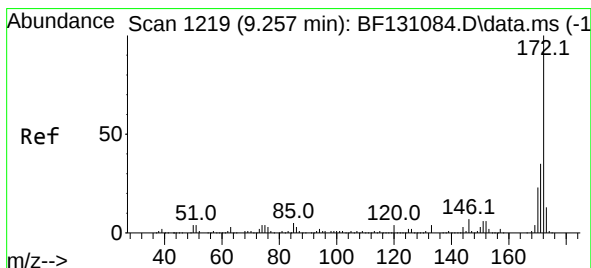
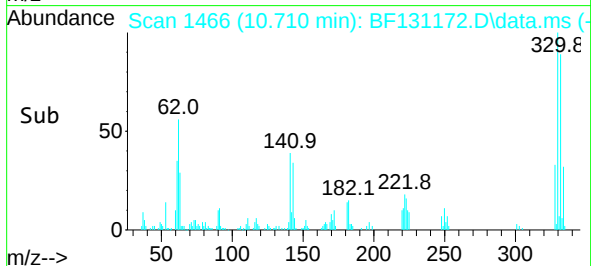
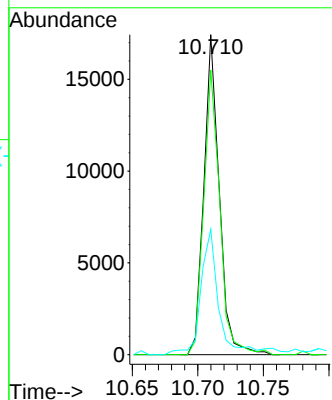
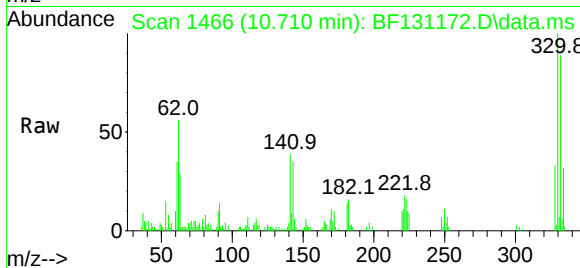
#42
2,4,6-Tribromophenol
Concen: 12.188 ng
RT: 10.710 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

Instrument :
BNA_F
ClientSampleId :
RM-9

Tgt Ion: 330 Resp: 1428
Ion Ratio Lower Upper
330 100
332 92.6 77.0 115.4
141 46.9 28.5 42.7

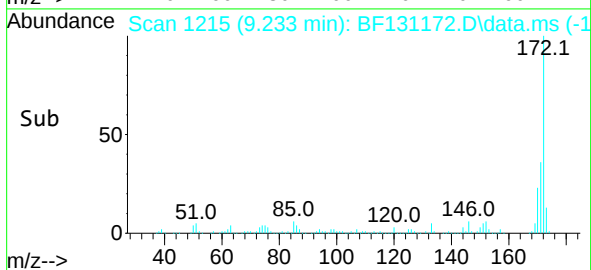
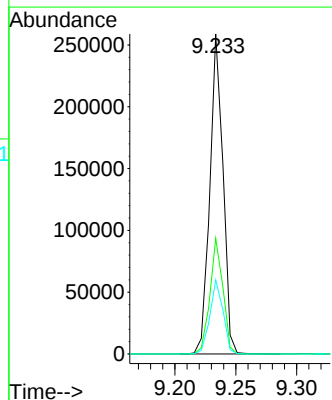
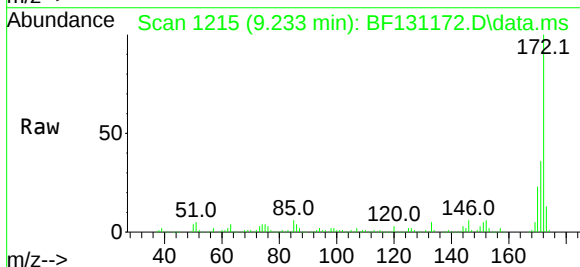
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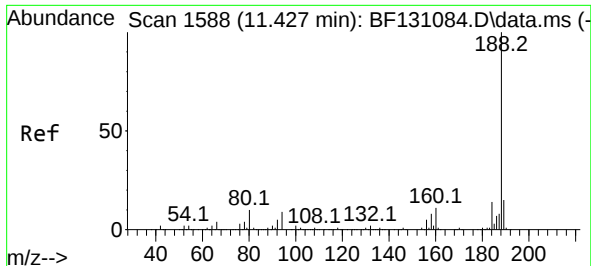
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022



#45
2-Fluorobiphenyl
Concen: 23.812 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

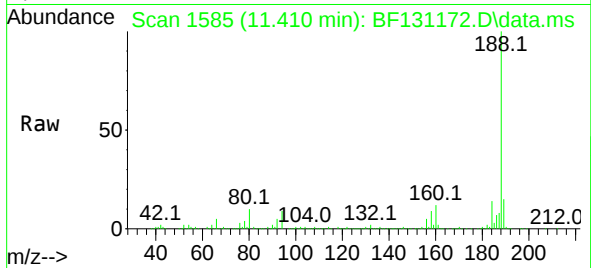
Tgt Ion: 172 Resp: 193477
Ion Ratio Lower Upper
172 100
171 36.1 27.7 41.5
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

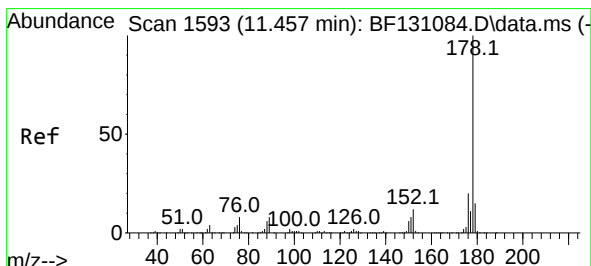
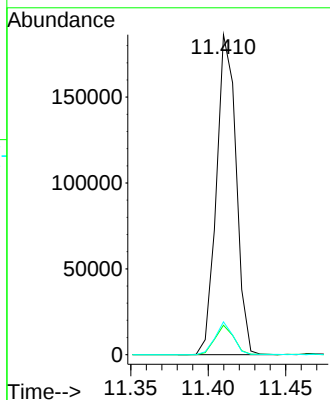
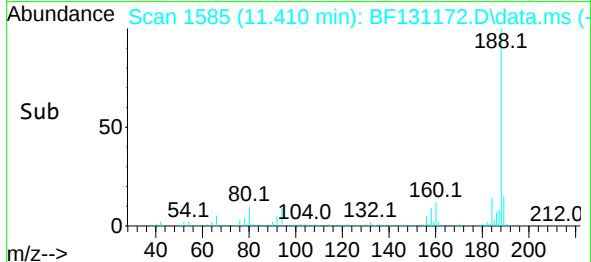
Instrument :
BNA_F
ClientSampleId :
RM-9



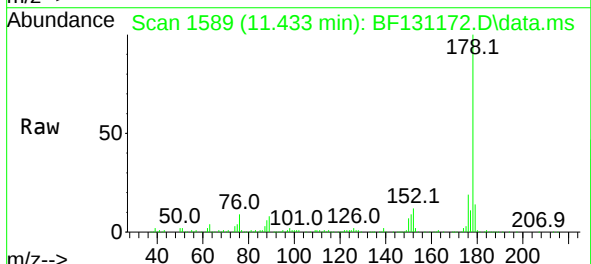
Tgt Ion:188 Resp: 16474
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 10.3 7.9 11.9

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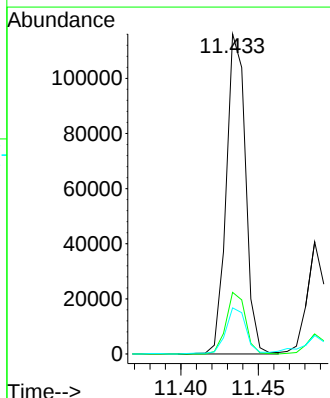
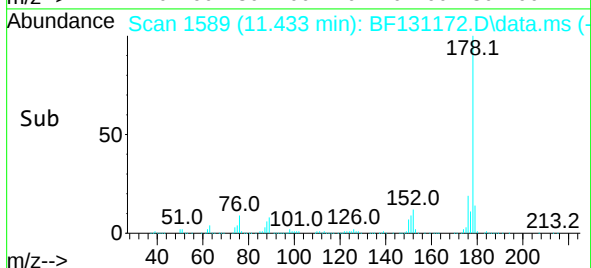
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

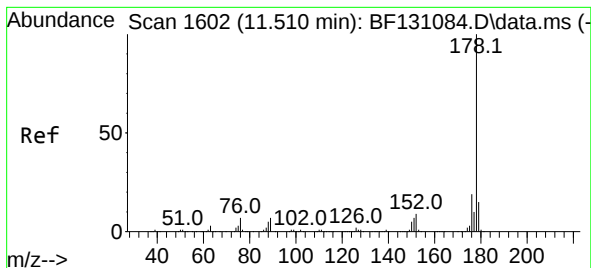


#71
Phenanthrene
Concen: 11.066 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27



Tgt Ion:178 Resp: 100263
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 14.4 12.2 18.2





#72

Anthracene

Concen: 3.594 ng

RT: 11.486 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

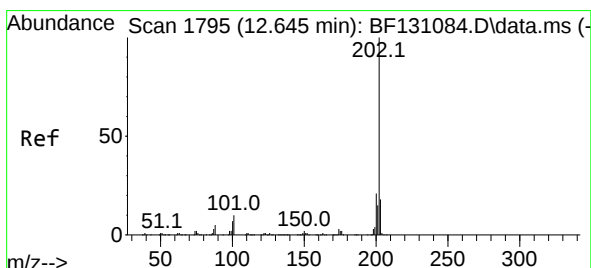
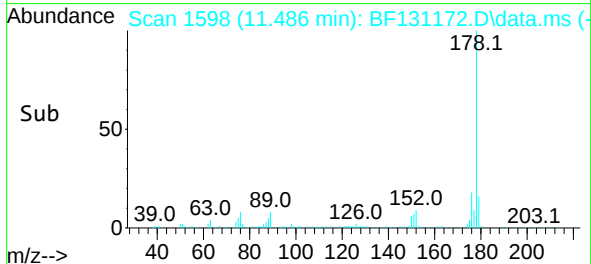
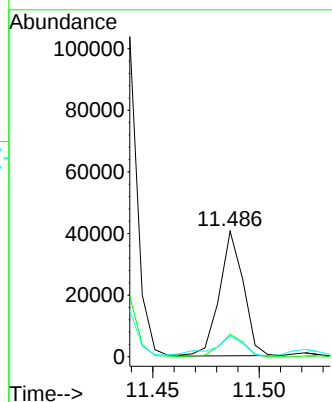
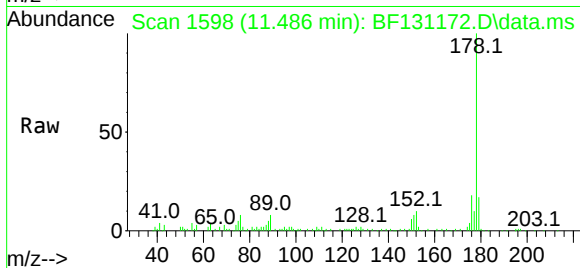
RM-9

Tgt Ion:178 Resp: 3160
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.0 22.6
 179 16.6 11.8 17.8

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#75

Fluoranthene

Concen: 16.510 ng

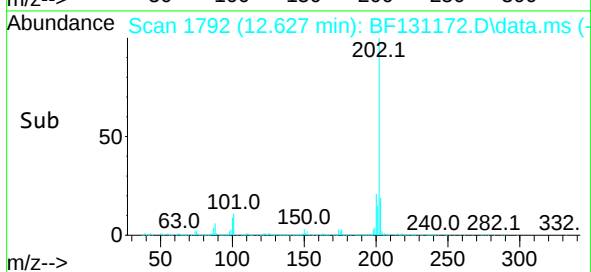
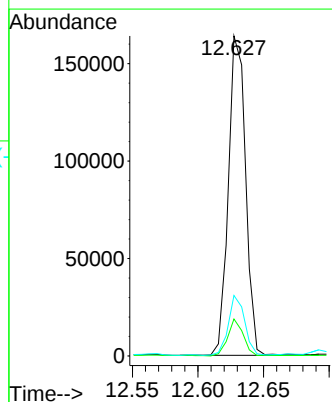
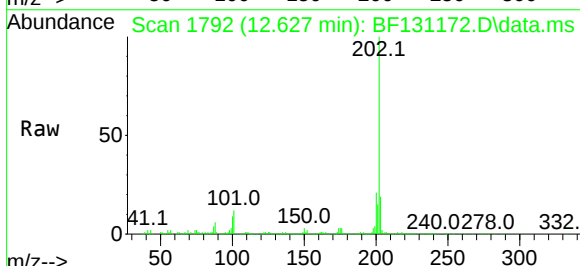
RT: 12.627 min Scan# 1792

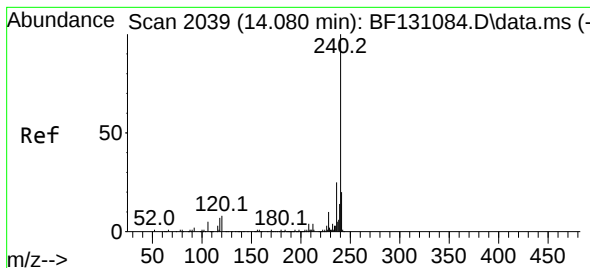
Delta R.T. -0.000 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Tgt Ion:202 Resp: 149743
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 30.0
 203 18.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2039

Delta R.T. 0.006 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

RM-9

Tgt Ion:240 Resp: 106700

Ion Ratio Lower Upper

240 100

120 9.0 6.5 9.7

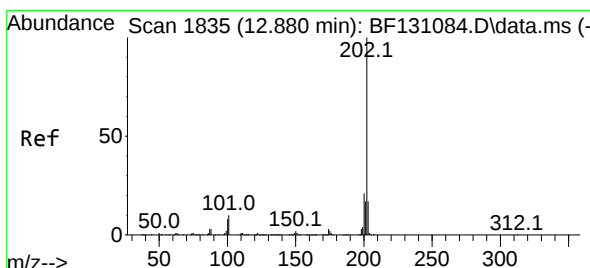
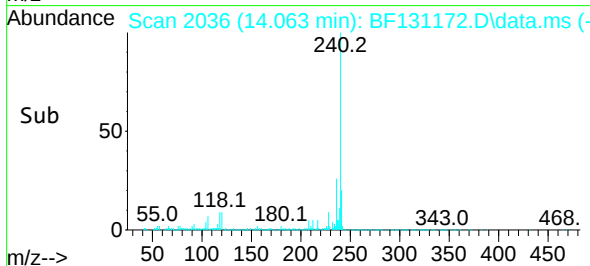
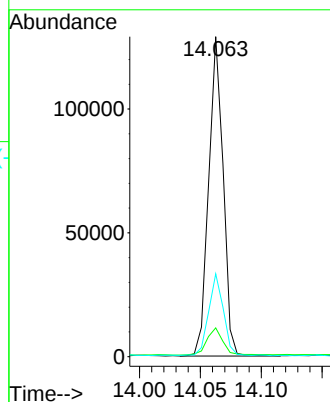
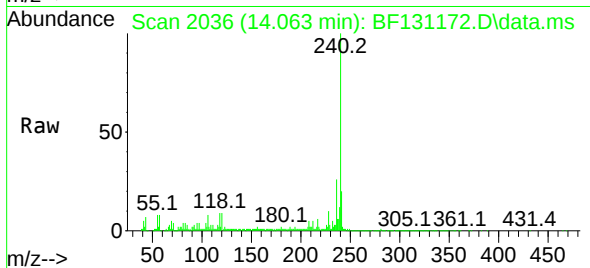
236 25.9 19.7 29.5

Manual Integrations

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Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#78

Pyrene

Concen: 13.438 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.006 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

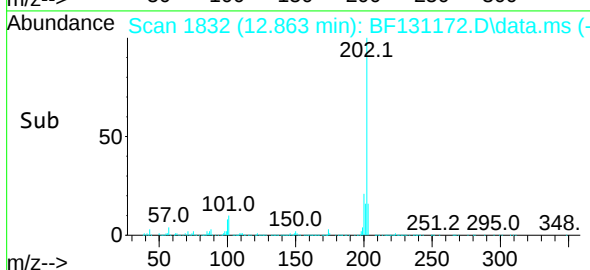
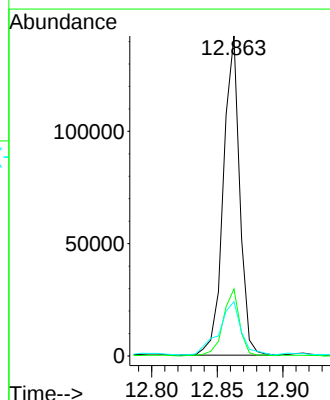
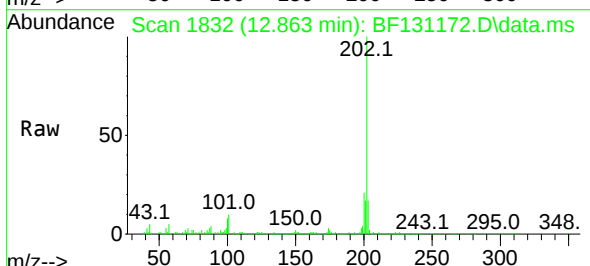
Tgt Ion:202 Resp: 123019

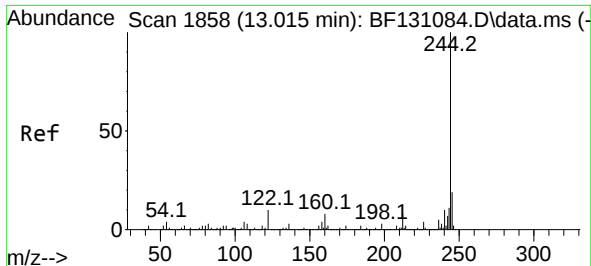
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

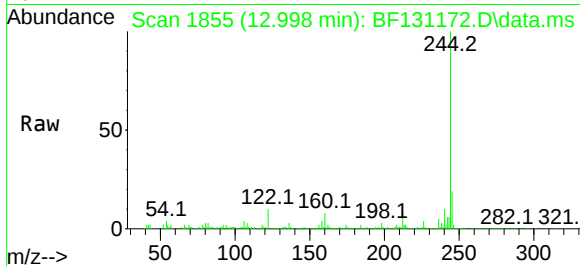
203 16.9 13.6 20.4





#79
 Terphenyl-d14
 Concen: 26.444 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.000 min
 Lab File: BF131172.D
 Acq: 12 Nov 2022 01:27

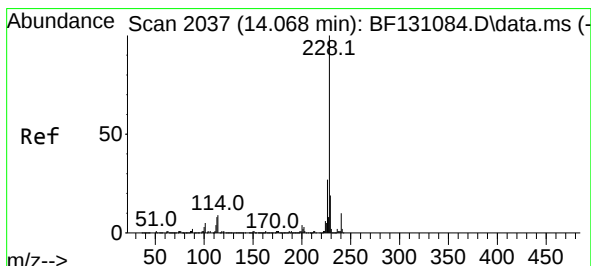
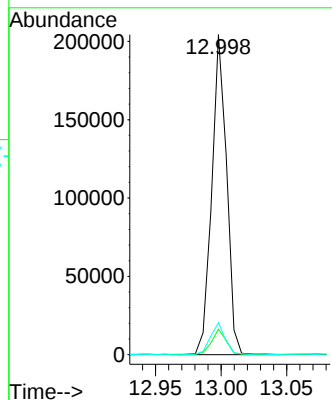
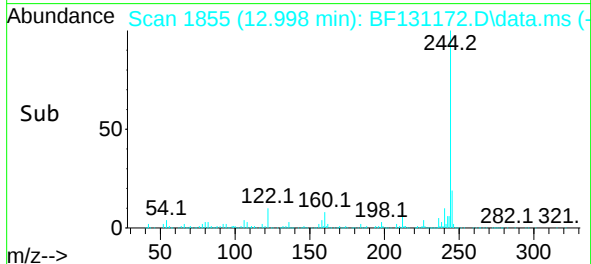
Instrument :
 BNA_F
 ClientSampleId :
 RM-9



Tgt Ion:244 Resp: 16093
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.2
 122 10.0 7.8 11.8

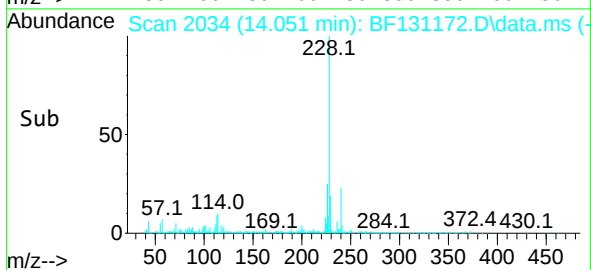
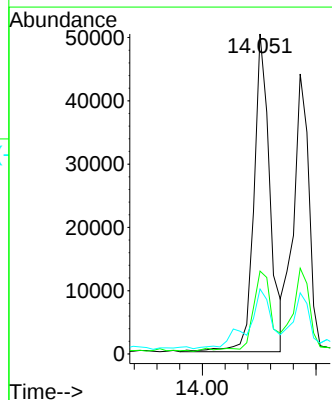
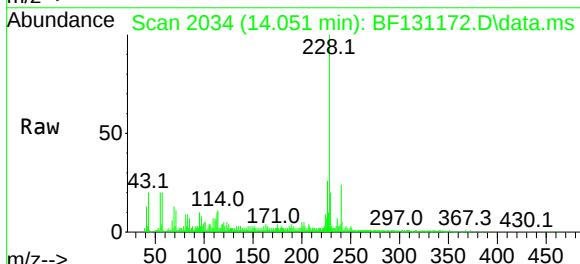
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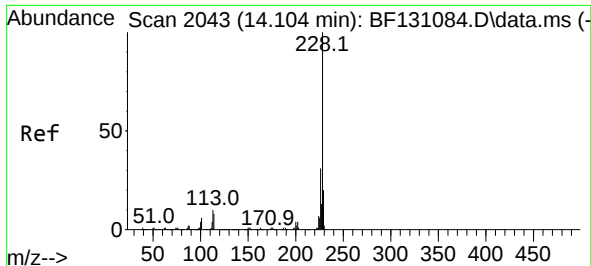
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022



#81
 Benzo(a)anthracene
 Concen: 6.459 ng
 RT: 14.051 min Scan# 2034
 Delta R.T. 0.006 min
 Lab File: BF131172.D
 Acq: 12 Nov 2022 01:27

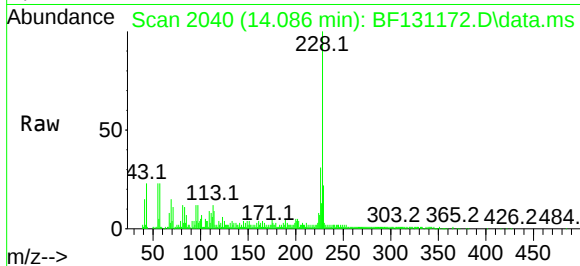
Tgt Ion:228 Resp: 49265
 Ion Ratio Lower Upper
 228 100
 226 25.9 21.8 32.6
 229 20.3 15.4 23.2





#83
Chrysene
Concen: 5.799 ng
RT: 14.086 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

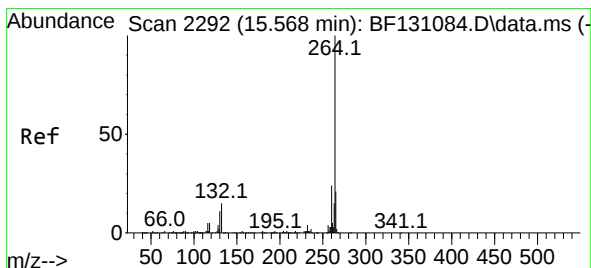
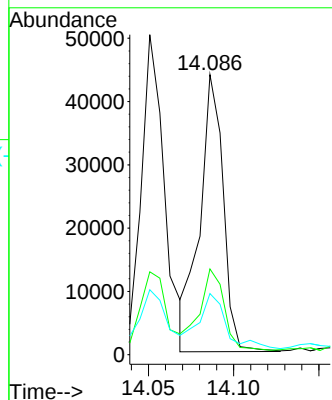
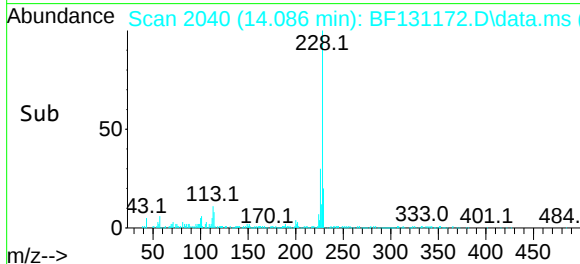
Instrument :
BNA_F
ClientSampleId :
RM-9



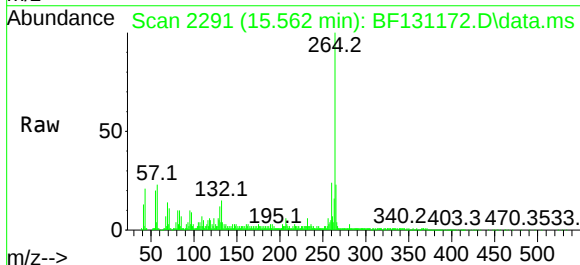
Tgt Ion:228 Resp: 4177
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 21.8 15.8 23.6

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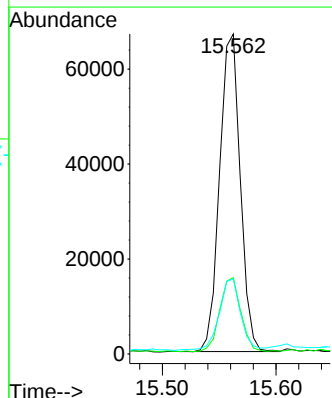
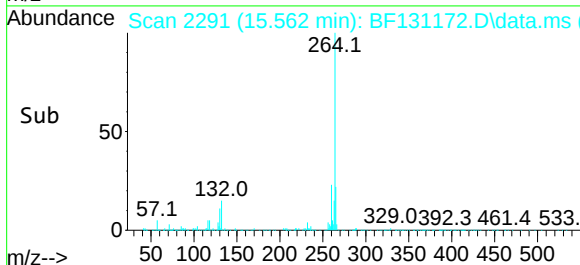
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

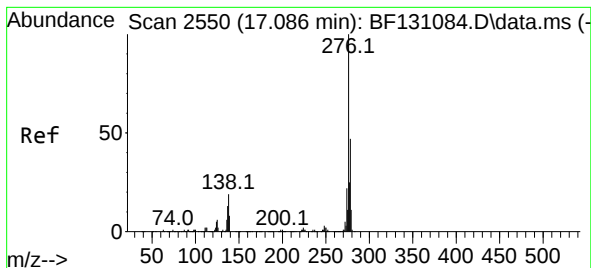


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2291
Delta R.T. 0.018 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27



Tgt Ion:264 Resp: 84764
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 23.5 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.932 ng

RT: 17.068 min Scan# 2113

Delta R.T. 0.012 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

Instrument :

BNA_F

ClientSampleId :

RM-9

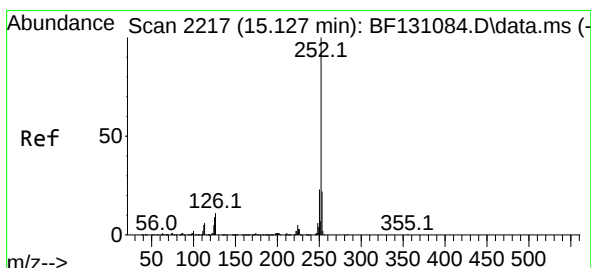
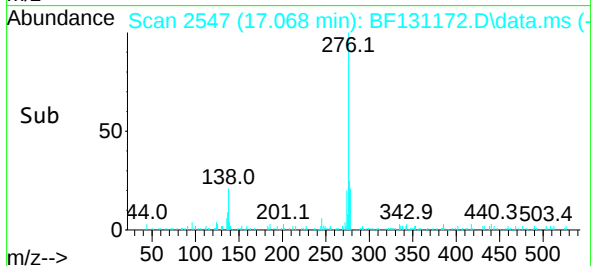
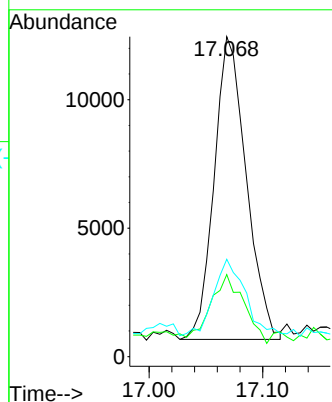
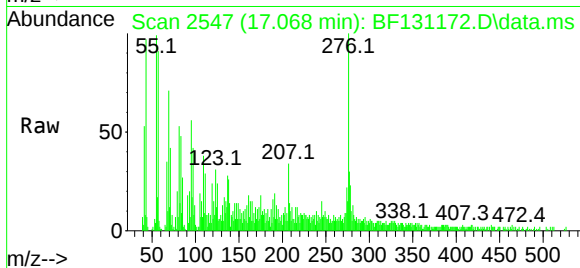
Tgt Ion:	276	Resp:	2313
Ion Ratio	Lower	Upper	
276	100		
138	23.6	16.9	25.3
277	22.9	20.3	30.5

Manual Integrations

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Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#88

Benzo(b)fluoranthene

Concen: 8.957 ng m

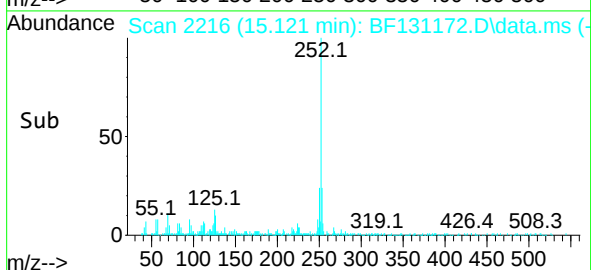
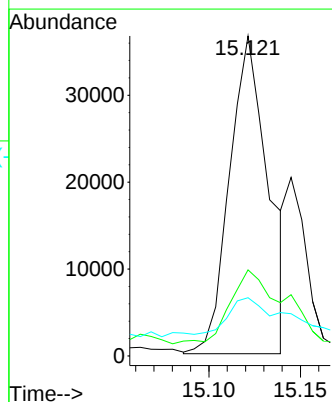
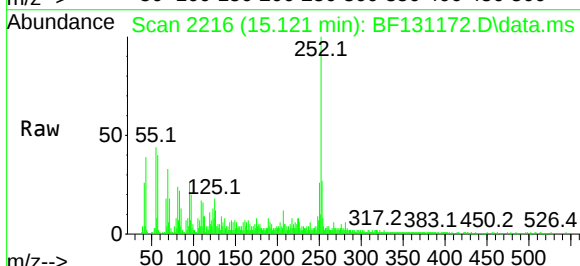
RT: 15.121 min Scan# 2216

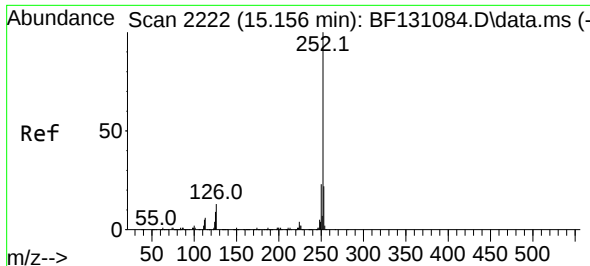
Delta R.T. 0.018 min

Lab File: BF131172.D

Acq: 12 Nov 2022 01:27

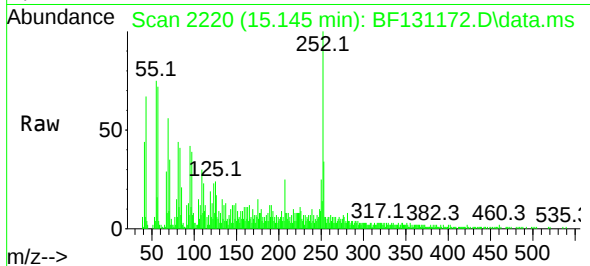
Tgt Ion:	252	Resp:	53681
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.3	25.9#
125	18.2	7.2	10.8#





#89
Benzo(k)fluoranthene
Concen: 2.955 ng m
RT: 15.145 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27

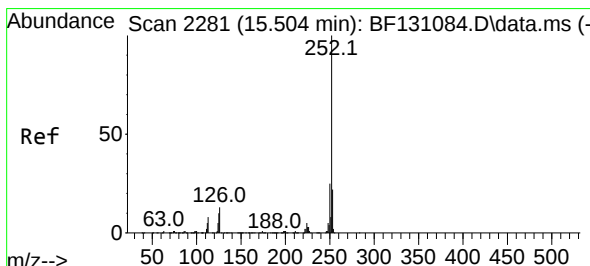
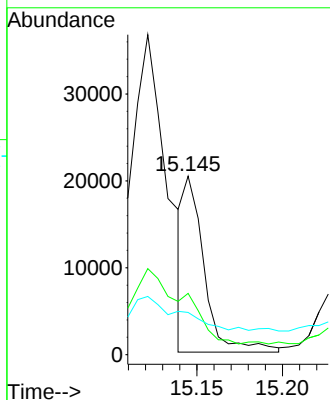
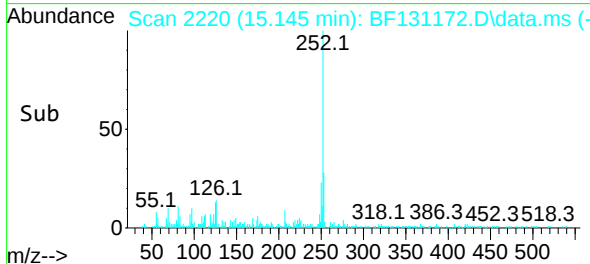
Instrument :
BNA_F
ClientSampleId :
RM-9



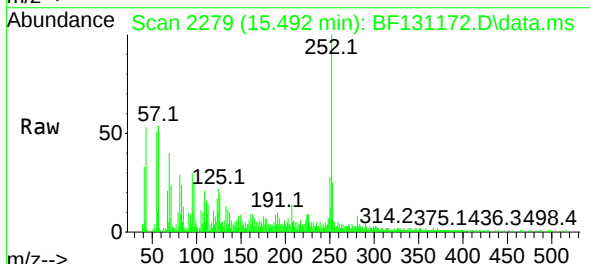
Tgt Ion:252 Resp: 17024
Ion Ratio Lower Upper
252 100
253 34.4 17.6 26.4
125 23.7 7.5 11.3

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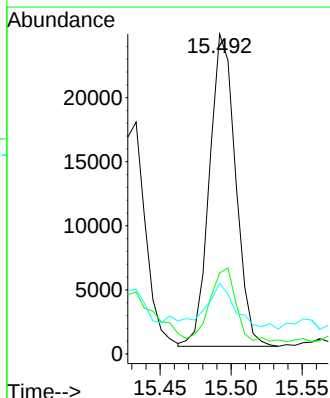
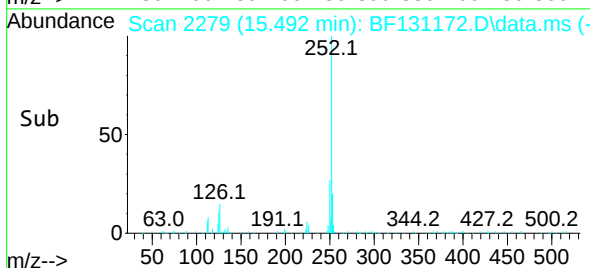
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

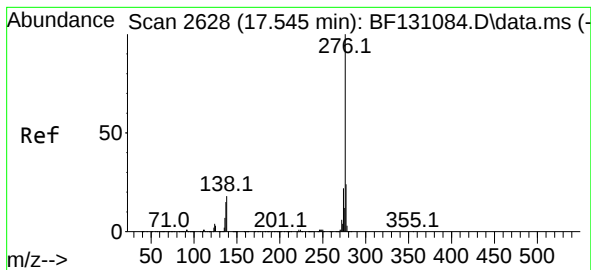


#90
Benzo(a)pyrene
Concen: 6.487 ng
RT: 15.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BF131172.D
Acq: 12 Nov 2022 01:27



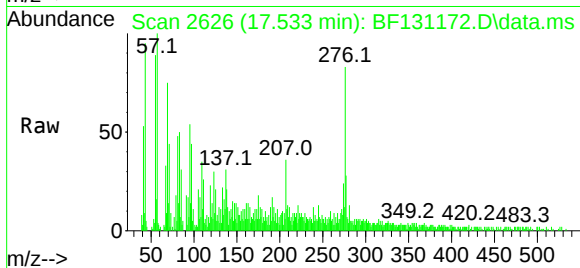
Tgt Ion:252 Resp: 31166
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.8
125 22.1 8.1 12.1





#92
 Benzo(g,h,i)perylene
 Concen: 7.966 ng
 RT: 17.533 min Scan# 20
 Delta R.T. 0.018 min
 Lab File: BF131172.D
 Acq: 12 Nov 2022 01:27

Instrument :
 BNA_F
 ClientSampleId :
 RM-9



Tgt Ion: 276 Resp: 23610
 Ion Ratio Lower Upper
 276 100
 277 33.3 19.0 28.4
 138 25.8 14.6 21.8

Manual Integrations
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Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

