

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131167.D
 Acq On : 11 Nov 2022 22:38
 Operator : CG\JU
 Sample : N5556-04 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-4

Manual Integrations
 APPROVED

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

Quant Time: Nov 12 00:07:46 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	87120	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	246262	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	133567	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	178072	20.000	ng	0.00
76) Chrysene-d12	14.057	240	134177	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	109622	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	221081	43.156	ng	0.00
7) Phenol-d6	6.499	99	270314	40.361	ng	0.00
23) Nitrobenzene-d5	7.434	82	159503	29.223	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	38286	27.736	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	314585	32.879	ng	0.00
79) Terphenyl-d14	12.998	244	248391	32.458	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.434	178	95707	9.772	ng	98
72) Anthracene	11.486	178	28824	3.032	ng	99
75) Fluoranthene	12.628	202	140455	14.327	ng	100
78) Pyrene	12.857	202	132001	11.467	ng	99
81) Benzo(a)anthracene	14.051	228	57848	6.032	ng	94
83) Chrysene	14.086	228	45384	5.011	ng	95
87) Indeno(1,2,3-cd)pyrene	17.063	276	20422	5.958	ng	94
88) Benzo(b)fluoranthene	15.116	252	44346m	5.722	ng	
90) Benzo(a)pyrene	15.486	252	37230	5.992	ng	# 85
92) Benzo(g,h,i)perylene	17.527	276	18948	6.600	ng	94

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

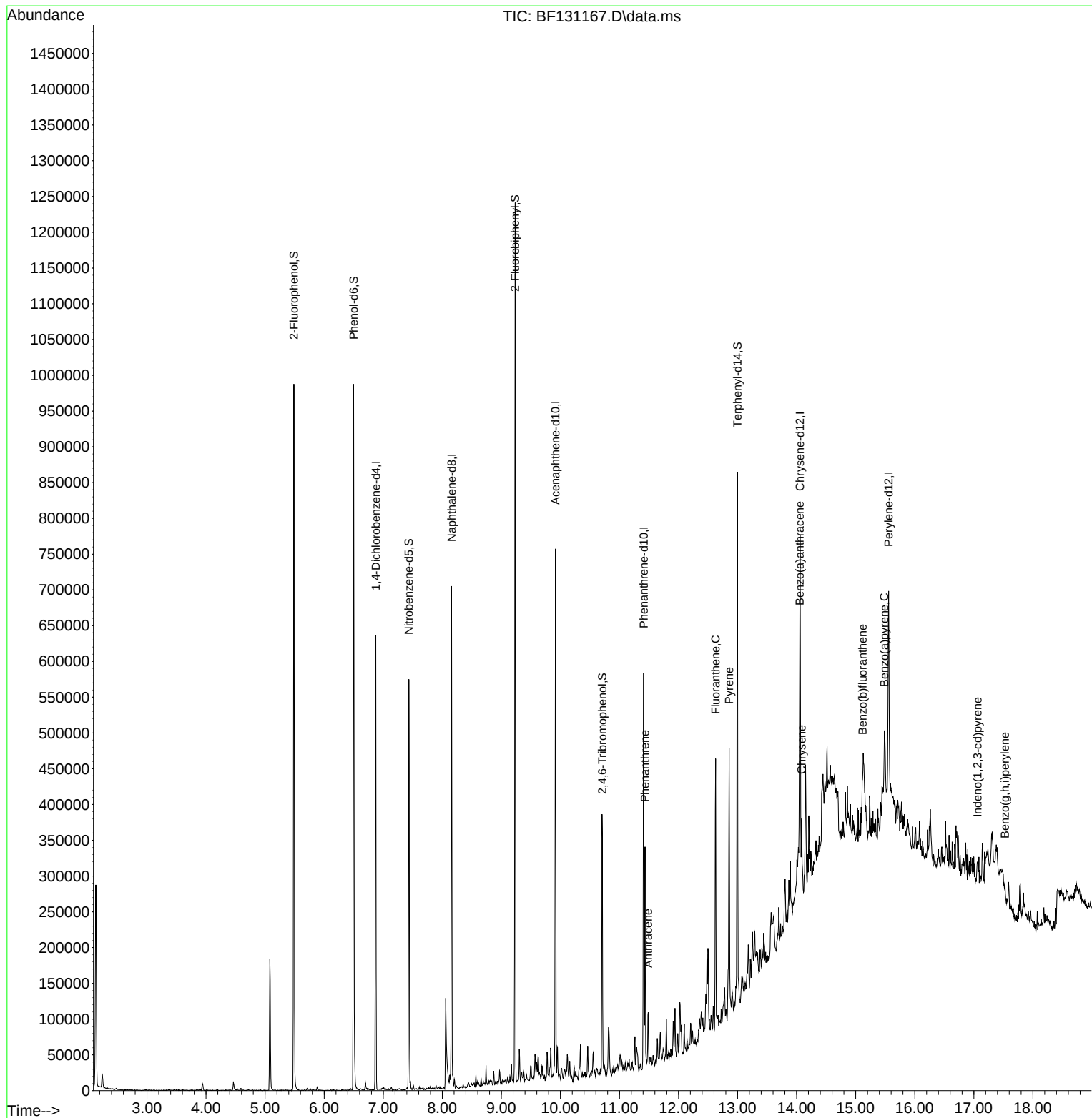
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131167.D
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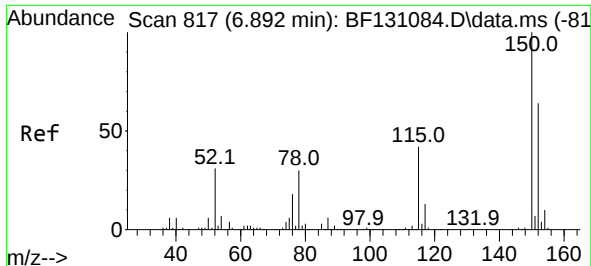
Instrument :
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Quant Time: Nov 12 00:07:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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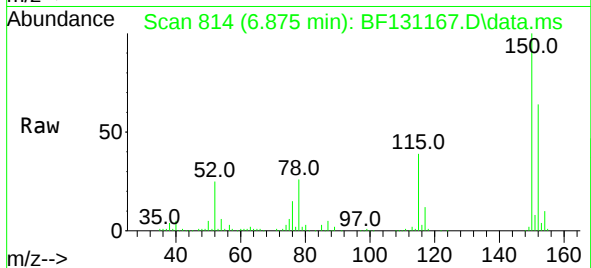
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

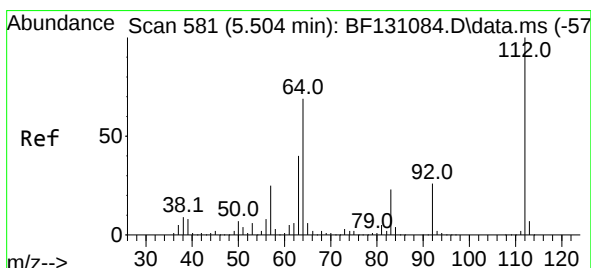
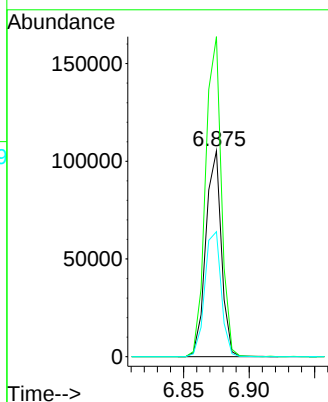
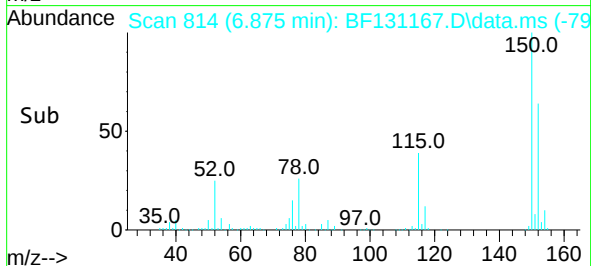
Instrument :
BNA_F
ClientSampleId :
RM-4



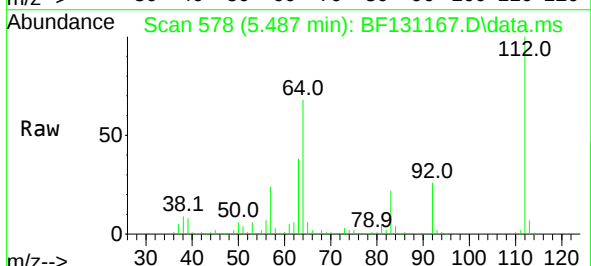
Tgt Ion:152 Resp: 87120
Ion Ratio Lower Upper
152 100
150 155.5 125.5 188.3
115 60.7 52.2 78.2

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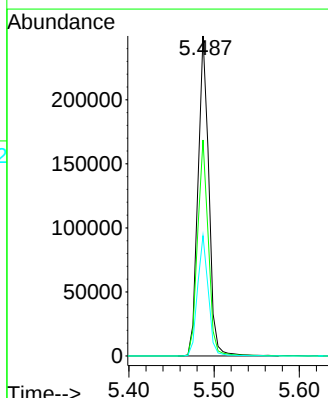
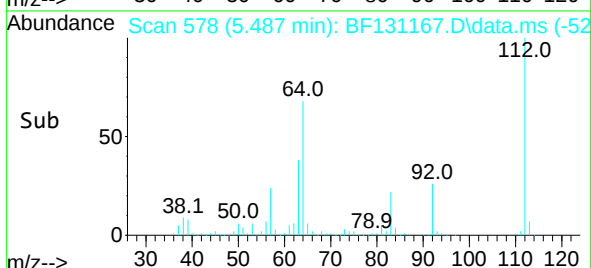
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

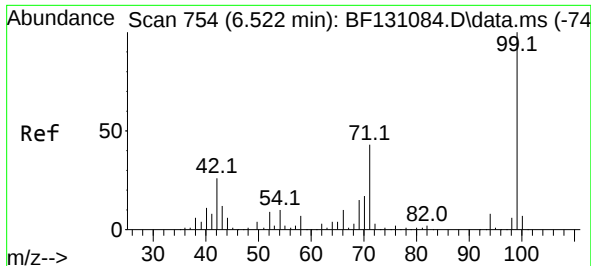


#5
2-Fluorophenol
Concen: 43.156 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38



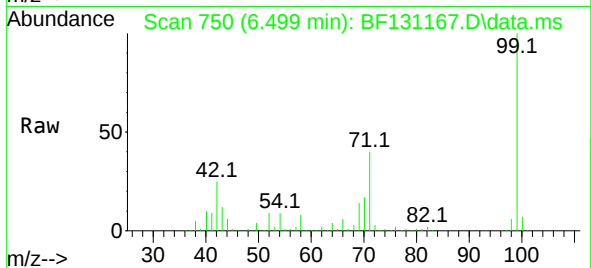
Tgt Ion:112 Resp: 221081
Ion Ratio Lower Upper
112 100
64 67.5 55.1 82.7
63 37.6 32.4 48.6





#7
Phenol-d6
Concen: 40.361 ng
RT: 6.499 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

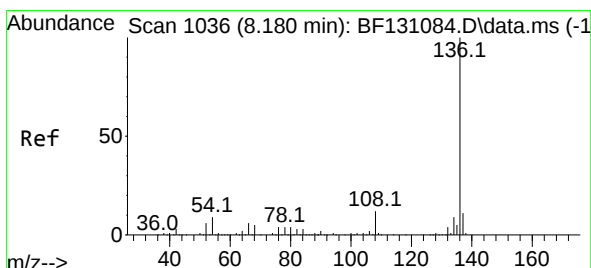
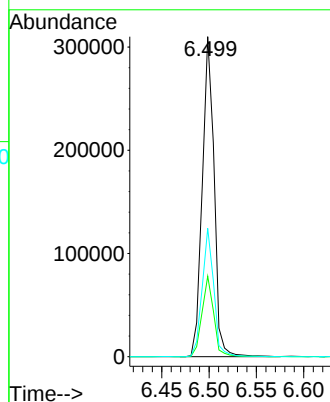
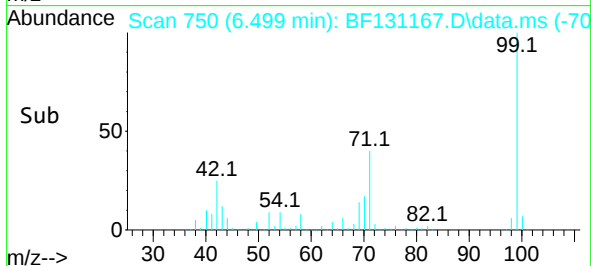
Instrument :
BNA_F
ClientSampleId :
RM-4



Tgt Ion: 99 Resp: 270314
Ion Ratio Lower Upper
99 100
42 25.2 20.8 31.2
71 40.1 34.2 51.4

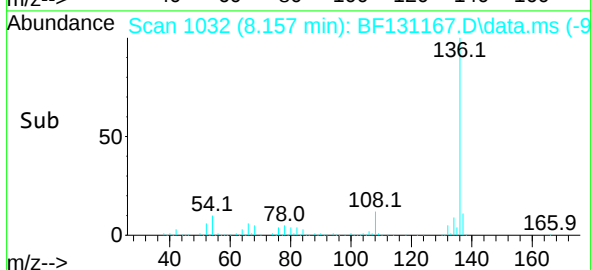
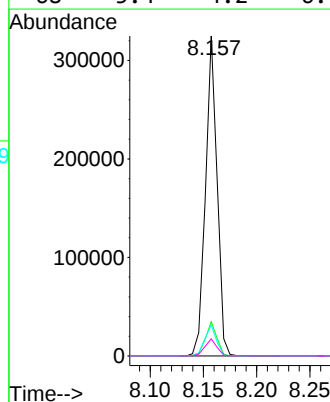
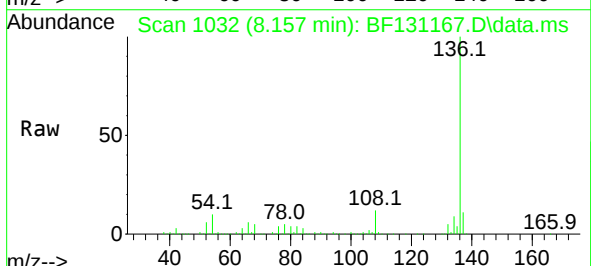
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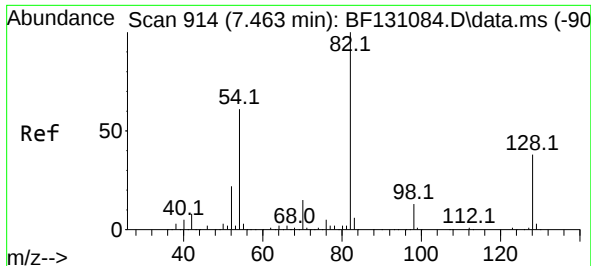
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion:136 Resp: 246262
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.7 7.2 10.8
68 5.4 4.2 6.4





#23

Nitrobenzene-d5

Concen: 29.223 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF131167.D

Acq: 11 Nov 2022 22:38

Instrument :

BNA_F

ClientSampleId :

RM-4

Tgt Ion: 82 Resp: 15950

Ion Ratio Lower Upper

82 100

128 38.8 30.5 45.7

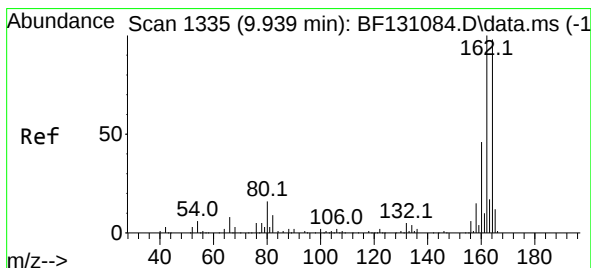
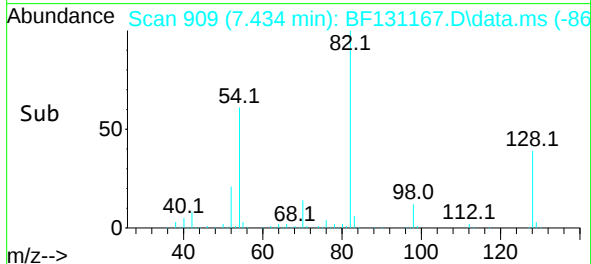
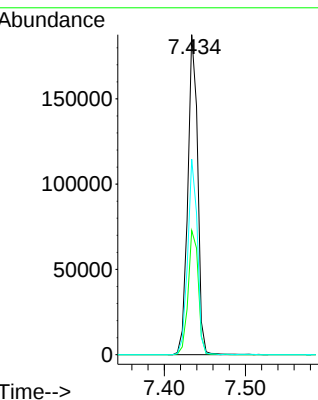
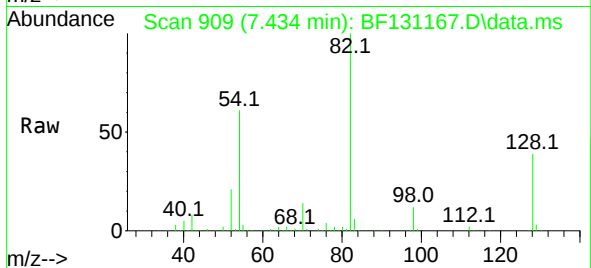
54 61.1 49.1 73.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1331

Delta R.T. -0.006 min

Lab File: BF131167.D

Acq: 11 Nov 2022 22:38

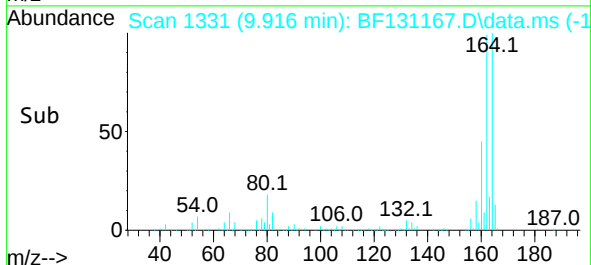
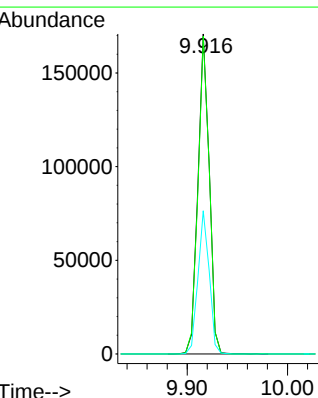
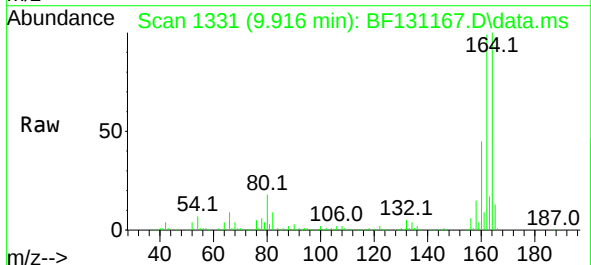
Tgt Ion:164 Resp: 133567

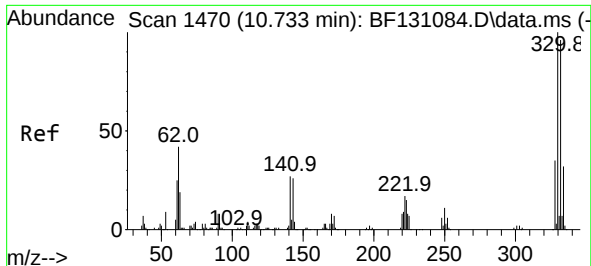
Ion Ratio Lower Upper

164 100

162 99.3 81.7 122.5

160 44.7 37.4 56.2





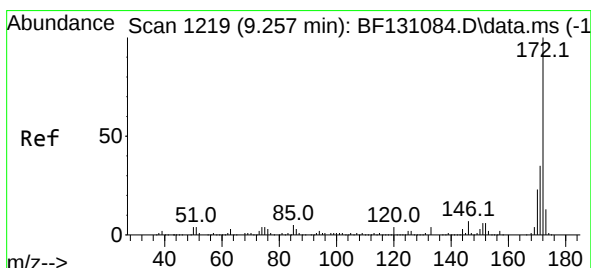
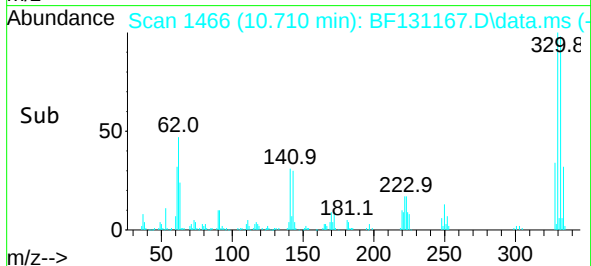
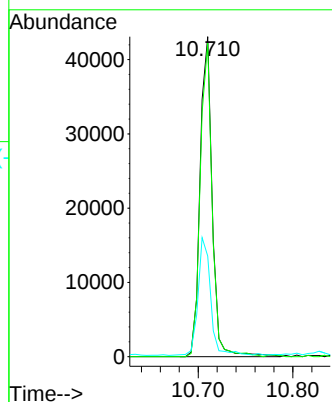
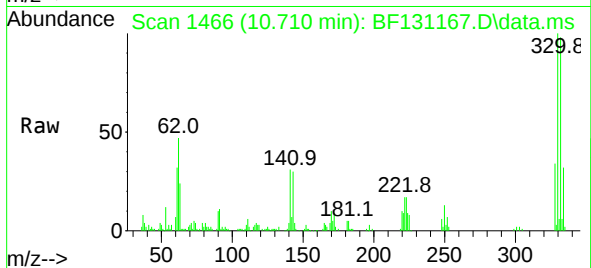
#42
2,4,6-Tribromophenol
Concen: 27.736 ng
RT: 10.710 min Scan# 1470
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Instrument :
BNA_F
ClientSampleId :
RM-4

Tgt Ion: 330 Resp: 38280
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 38.2 28.5 42.7

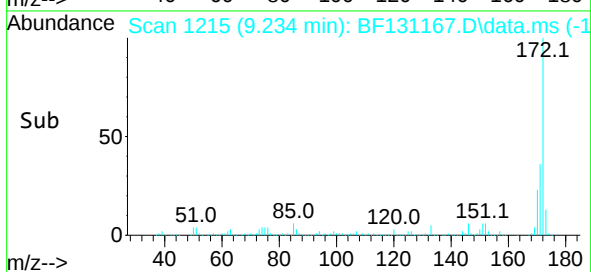
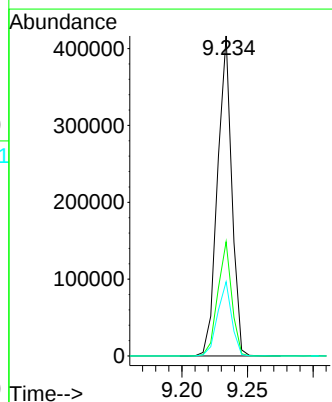
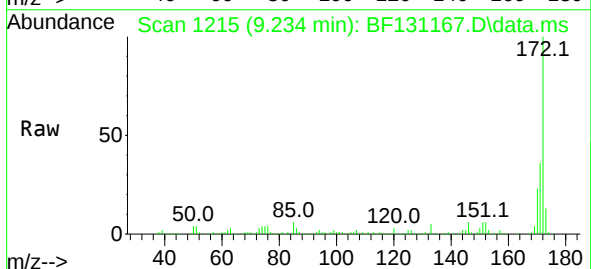
Manual Integrations
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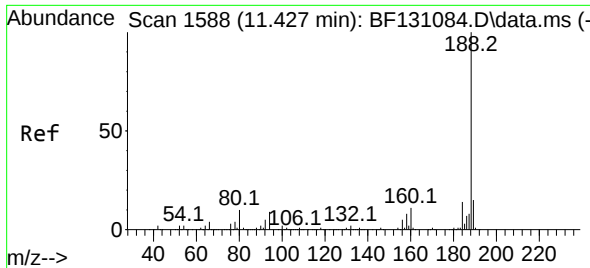
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022



#45
2-Fluorobiphenyl
Concen: 32.879 ng
RT: 9.234 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion: 172 Resp: 314585
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 23.2 18.8 28.2





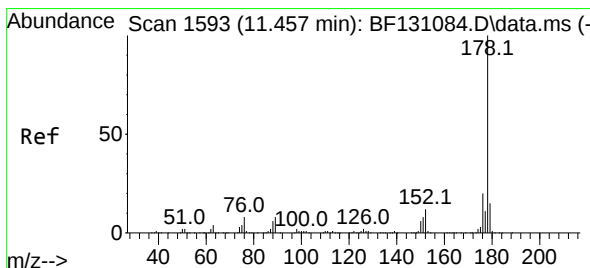
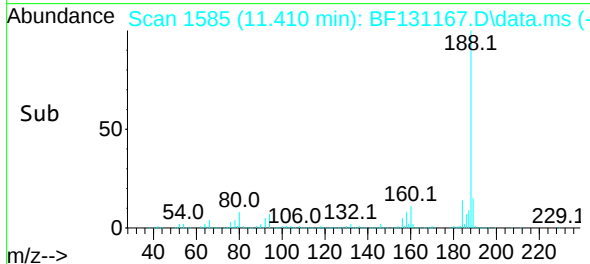
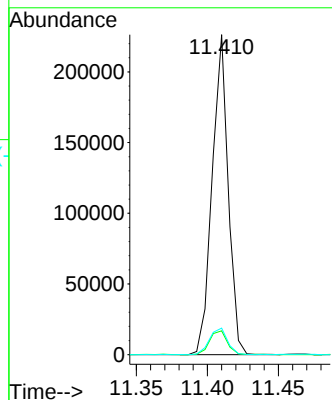
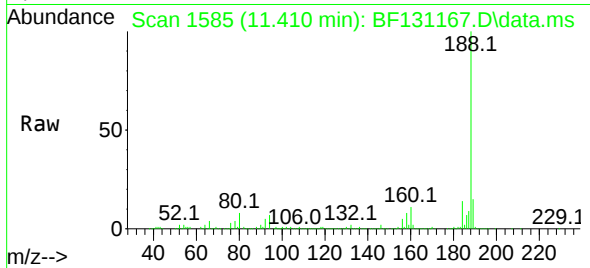
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Instrument :
BNA_F
ClientSampleId :
RM-4

Tgt Ion:188 Resp: 178072
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.3 7.9 11.9

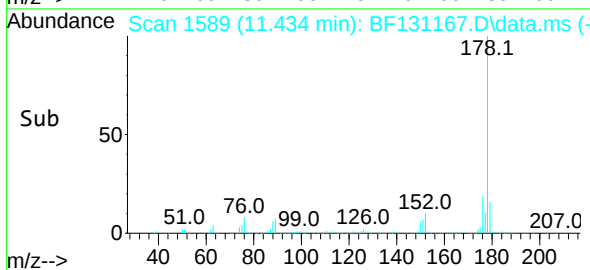
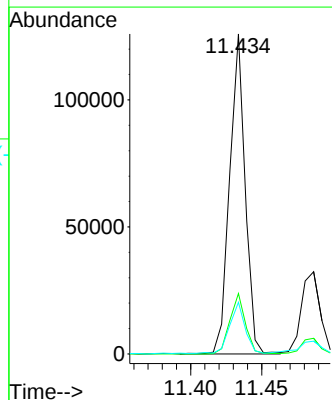
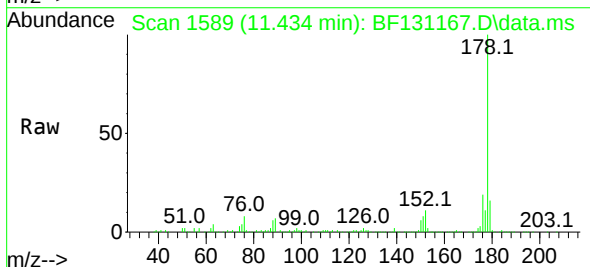
Manual Integrations
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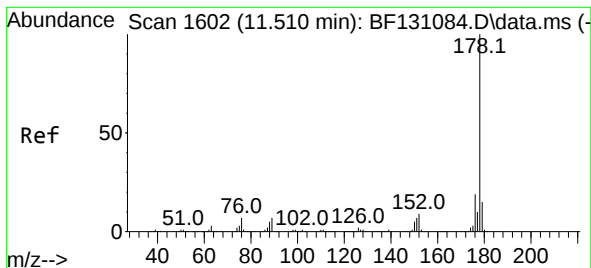
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#71
Phenanthrene
Concen: 9.772 ng
RT: 11.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

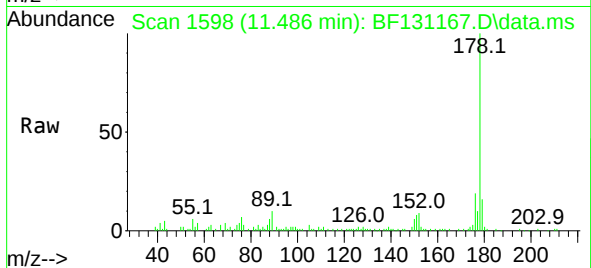
Tgt Ion:178 Resp: 95707
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.1 12.2 18.2





#72
 Anthracene
 Concen: 3.032 ng
 RT: 11.486 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF131167.D
 Acq: 11 Nov 2022 22:38

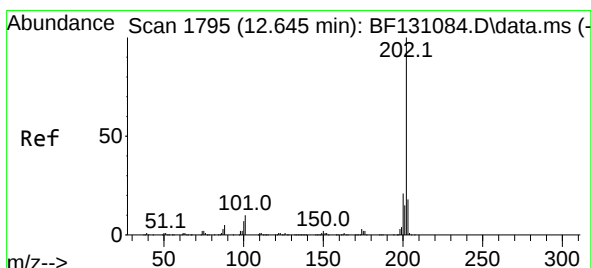
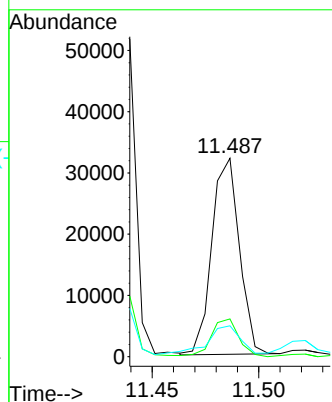
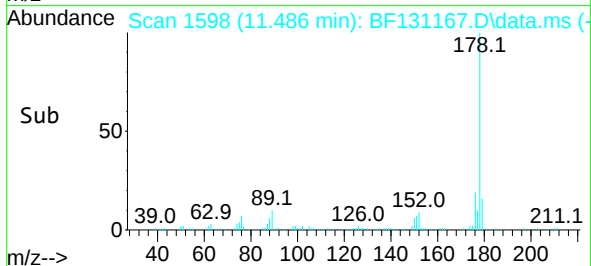
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 RM-4



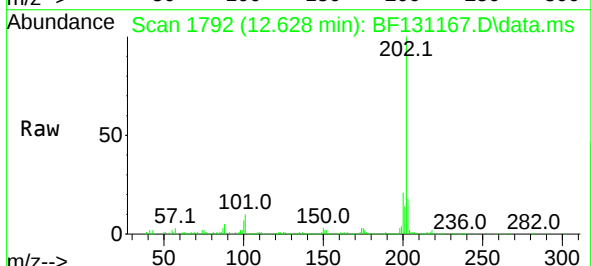
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 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 15.6 11.8 17.8

Manual Integrations
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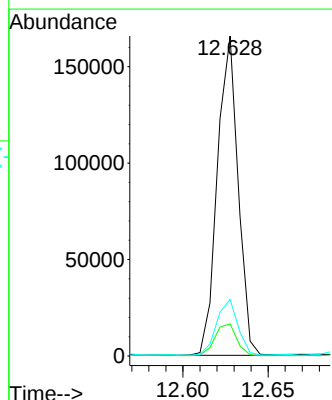
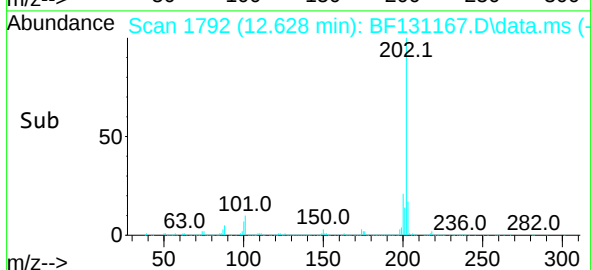
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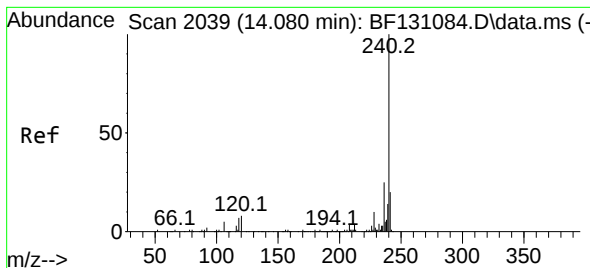


#75
 Fluoranthene
 Concen: 14.327 ng
 RT: 12.628 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: BF131167.D
 Acq: 11 Nov 2022 22:38



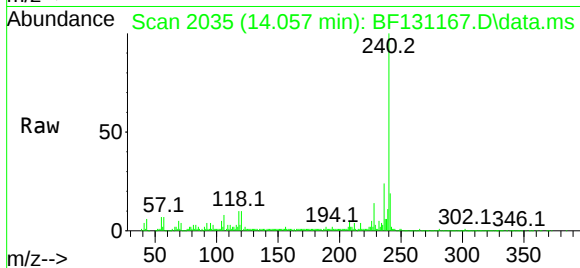
Tgt Ion:202 Resp: 140455
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.0
 203 17.7 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

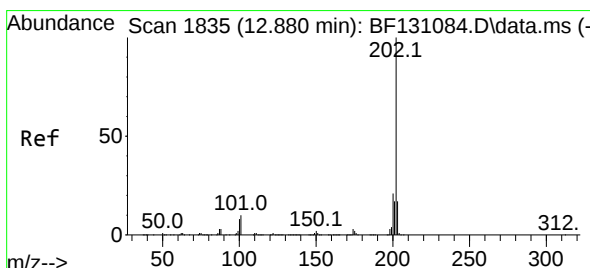
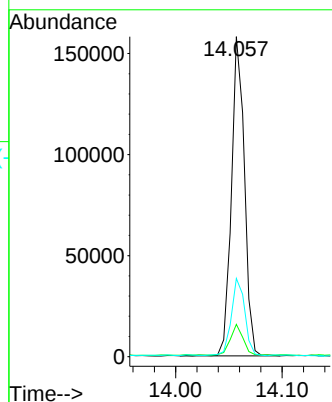
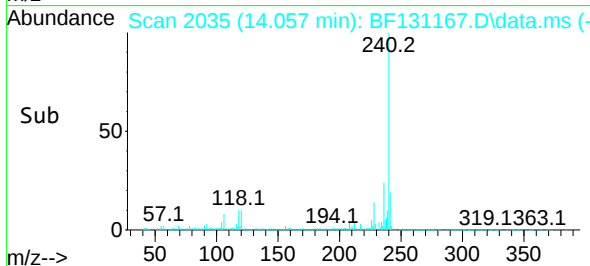
Instrument :
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ClientSampleId :
RM-4



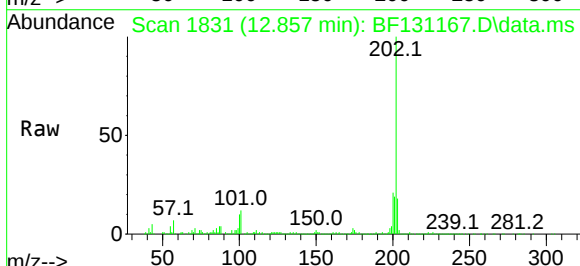
Tgt Ion:240 Resp: 13417
Ion Ratio Lower Upper
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120 10.1 6.5 9.7
236 24.5 19.7 29.5

Manual Integrations
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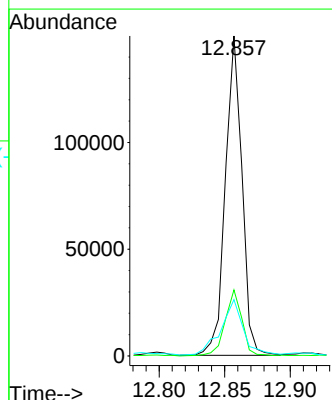
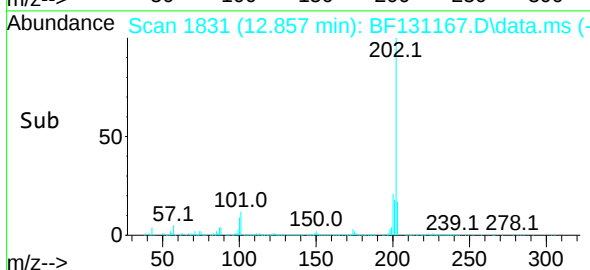
Reviewed By :Christian Giraldo 11/12/2022
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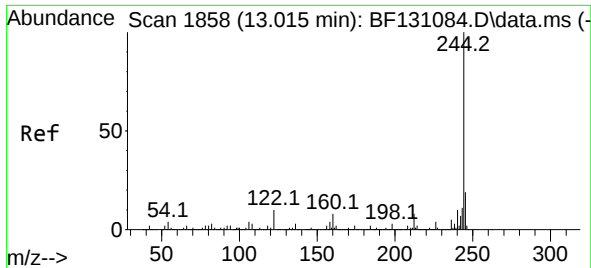


#78
Pyrene
Concen: 11.467 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38



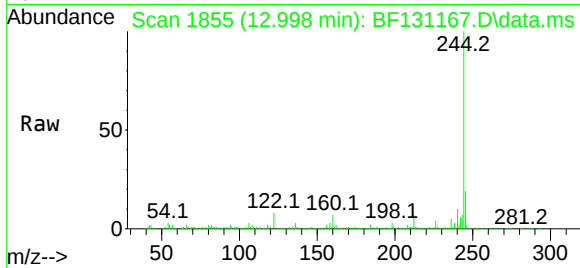
Tgt Ion:202 Resp: 132001
Ion Ratio Lower Upper
202 100
200 20.7 16.8 25.2
203 17.6 13.6 20.4





#79
 Terphenyl-d14
 Concen: 32.458 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. 0.000 min
 Lab File: BF131167.D
 Acq: 11 Nov 2022 22:38

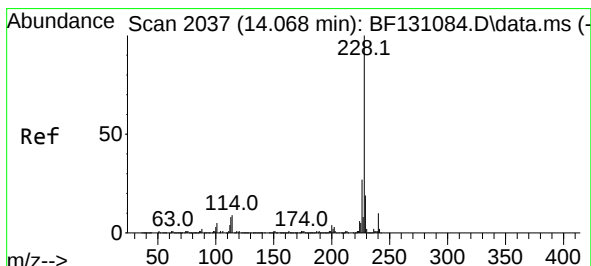
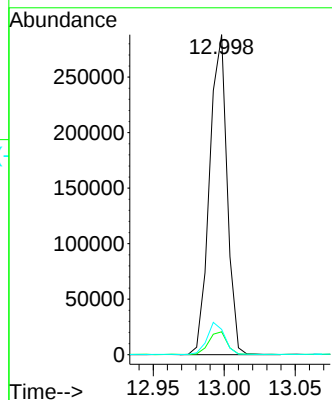
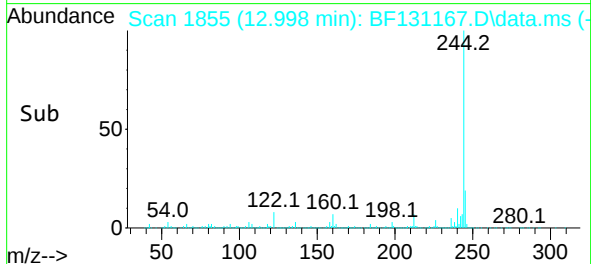
Instrument :
 BNA_F
 ClientSampleId :
 RM-4



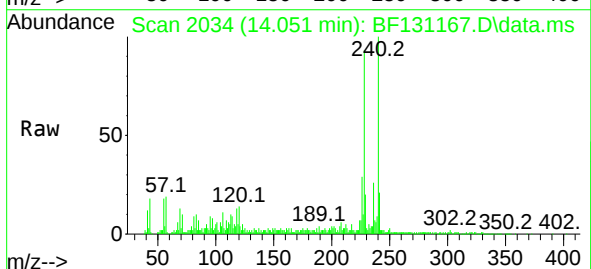
Tgt Ion:244 Resp: 24839
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.2
 122 7.9 7.8 11.8

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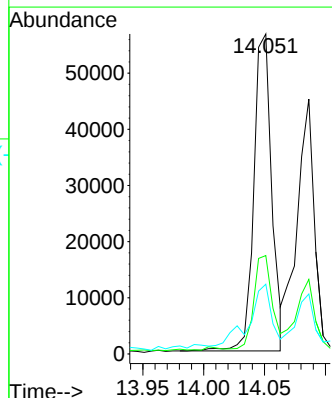
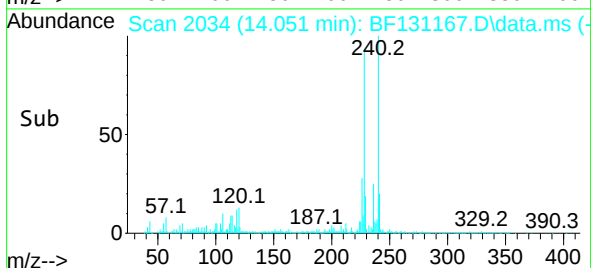
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022

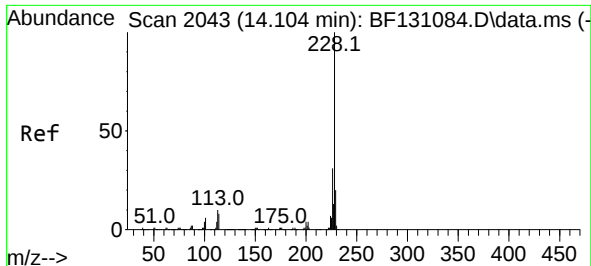


#81
 Benzo(a)anthracene
 Concen: 6.032 ng
 RT: 14.051 min Scan# 2034
 Delta R.T. 0.006 min
 Lab File: BF131167.D
 Acq: 11 Nov 2022 22:38



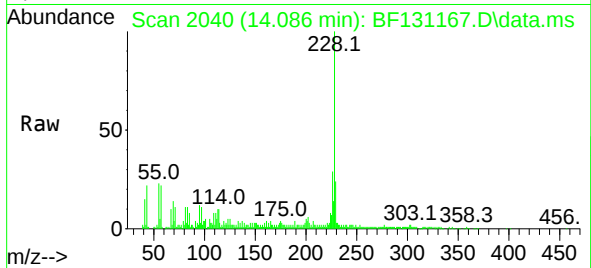
Tgt Ion:228 Resp: 57848
 Ion Ratio Lower Upper
 228 100
 226 30.8 21.8 32.6
 229 21.8 15.4 23.2





#83
Chrysene
Concen: 5.011 ng
RT: 14.086 min Scan# 2043
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

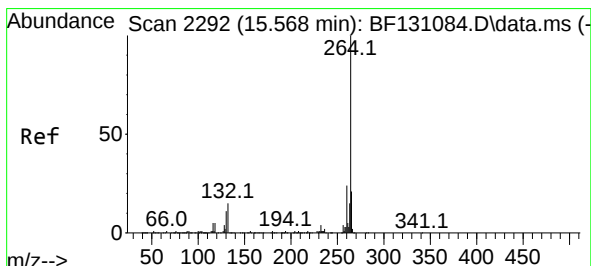
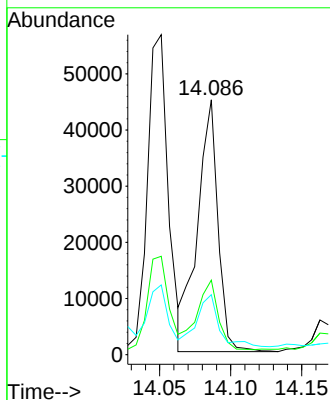
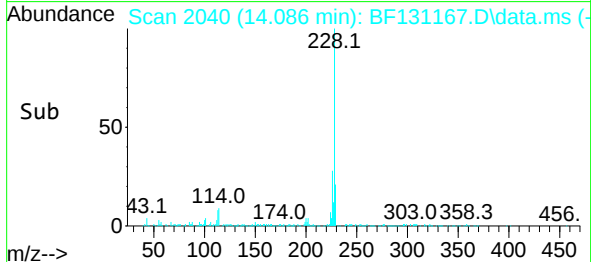
Instrument :
BNA_F
ClientSampleId :
RM-4



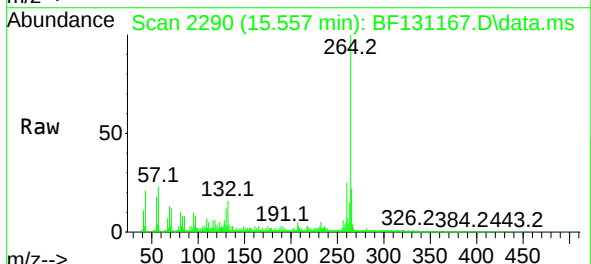
Tgt Ion:228 Resp: 45384
Ion Ratio Lower Upper
228 100
226 29.3 24.4 36.6
229 23.6 15.8 23.6

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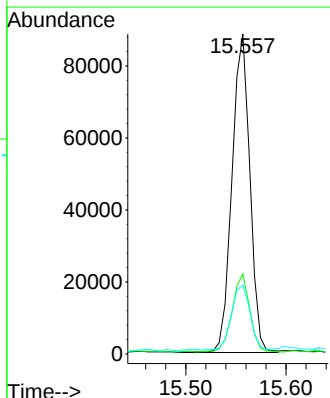
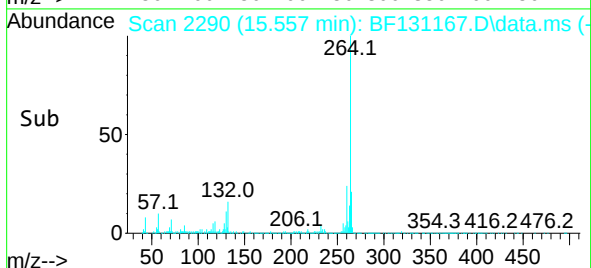
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

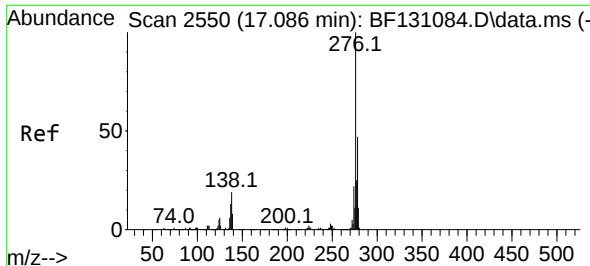


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.012 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38



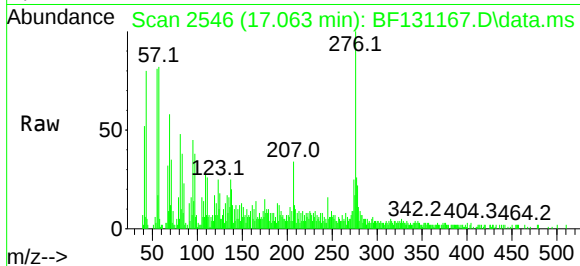
Tgt Ion:264 Resp: 109622
Ion Ratio Lower Upper
264 100
260 25.0 19.1 28.7
265 21.6 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 5.958 ng
RT: 17.063 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

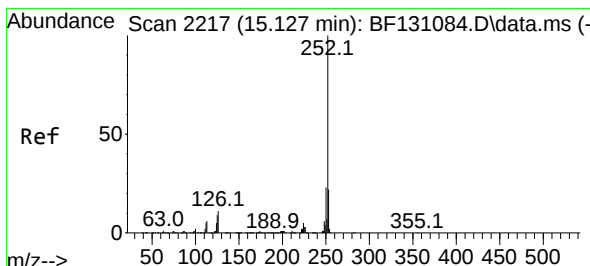
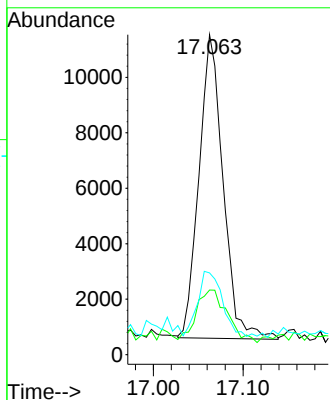
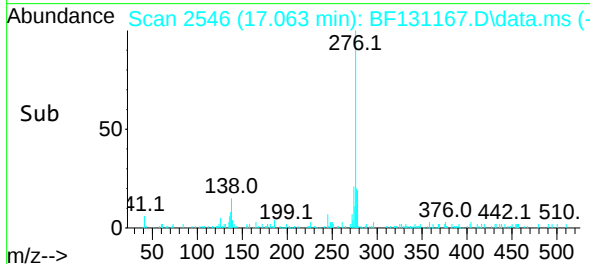
Instrument :
BNA_F
ClientSampleId :
RM-4



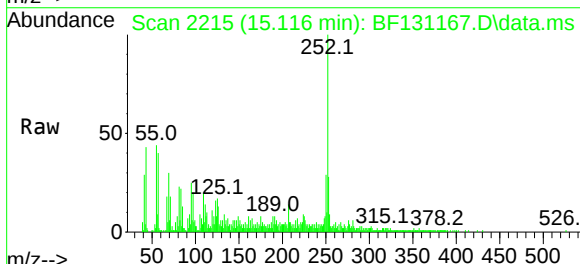
Tgt Ion:276 Resp: 2042
Ion Ratio Lower Upper
276 100
138 22.4 16.9 25.3
277 21.5 20.3 30.5

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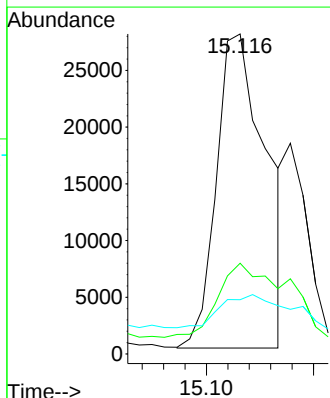
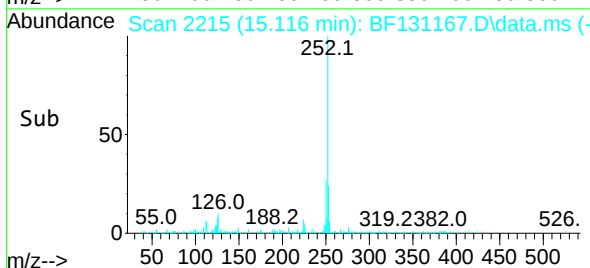
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

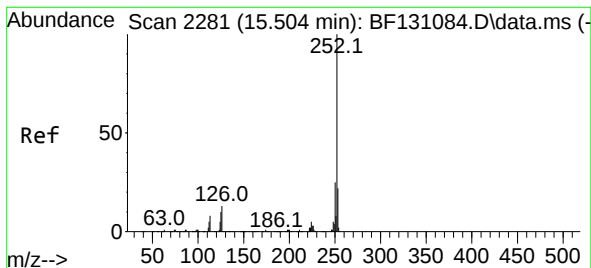


#88
Benzo(b)fluoranthene
Concen: 5.722 ng m
RT: 15.116 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38



Tgt Ion:252 Resp: 44346
Ion Ratio Lower Upper
252 100
253 28.3 17.3 25.9#
125 17.0 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 5.992 ng

RT: 15.486 min Scan# 2281

Delta R.T. 0.006 min

Lab File: BF131167.D

Acq: 11 Nov 2022 22:38

Instrument :

BNA_F

ClientSampleId :

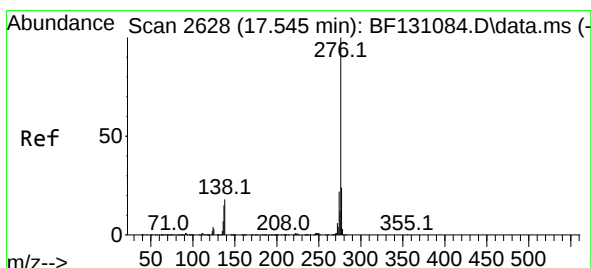
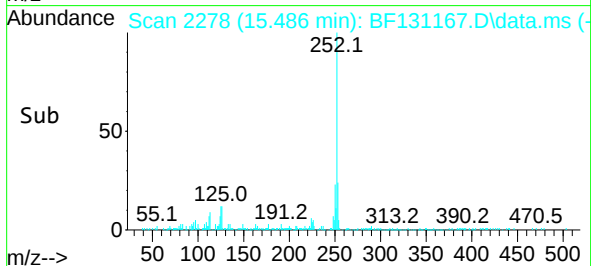
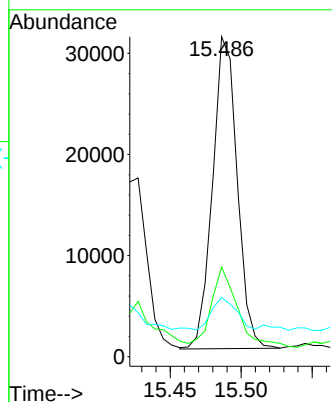
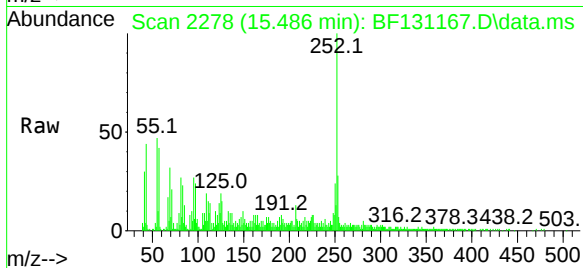
RM-4

Tgt Ion:252 Resp: 37230
 Ion Ratio Lower Upper
 252 100
 253 28.0 17.8 26.8
 125 18.5 8.1 12.1

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 6.600 ng

RT: 17.527 min Scan# 2625

Delta R.T. 0.012 min

Lab File: BF131167.D

Acq: 11 Nov 2022 22:38

Tgt Ion:276 Resp: 18948
 Ion Ratio Lower Upper
 276 100
 277 27.6 19.0 28.4
 138 16.9 14.6 21.8

