

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131166.D
 Acq On : 11 Nov 2022 22:05
 Operator : CG\JU
 Sample : N5556-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-3

Manual Integrations
 APPROVED

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

Quant Time: Nov 12 00:07:30 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	75290	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	233897	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	118321	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	196060	20.000	ng	0.00
76) Chrysene-d12	14.057	240	131252	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	82162	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	52344	11.823	ng	0.00
7) Phenol-d6	6.498	99	213682	36.918	ng	0.00
23) Nitrobenzene-d5	7.434	82	138342	26.686	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	5094	4.166	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	262717	30.996	ng	0.00
79) Terphenyl-d14	12.998	244	217071	28.997	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	120585	11.183	ng	98
72) Anthracene	11.486	178	35681	3.409	ng	98
75) Fluoranthene	12.627	202	123380	11.431	ng	98
78) Pyrene	12.857	202	139215	12.363	ng	99
81) Benzo(a)anthracene	14.051	228	61355	6.540	ng	# 90
83) Chrysene	14.086	228	55702	6.287	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	20778	6.707	ng	# 94
88) Benzo(b)fluoranthene	15.110	252	48773m	8.396	ng	
89) Benzo(k)fluoranthene	15.139	252	13019m	2.332	ng	
90) Benzo(a)pyrene	15.486	252	36661	7.872	ng	# 93
91) Dibenzo(a,h)anthracene	17.074	278	7056	5.031	ng	# 55
92) Benzo(g,h,i)perylene	17.521	276	23196	8.015	ng	# 92

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

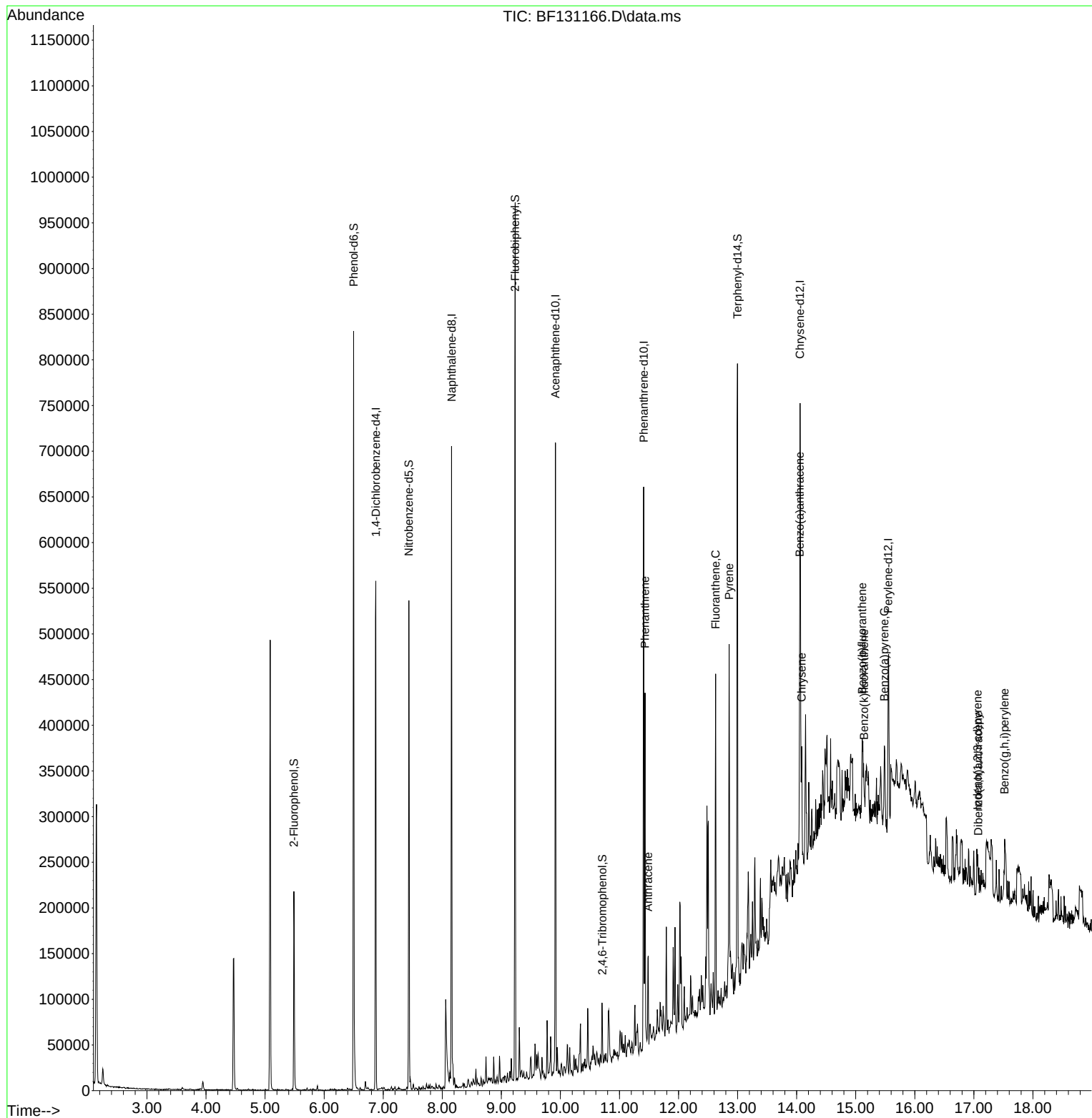
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131166.D
Acq On : 11 Nov 2022 22:05
Operator : CG\JU
Sample : N5556-03 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

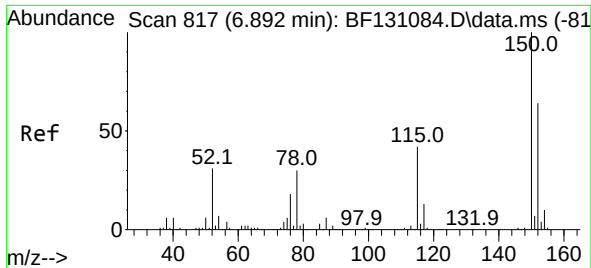
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
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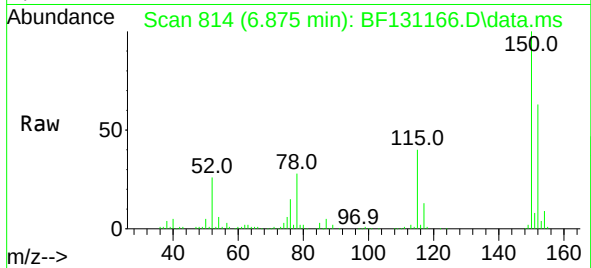
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

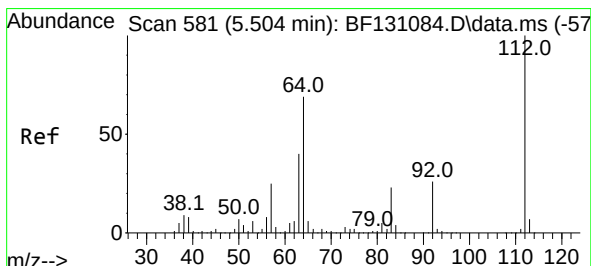
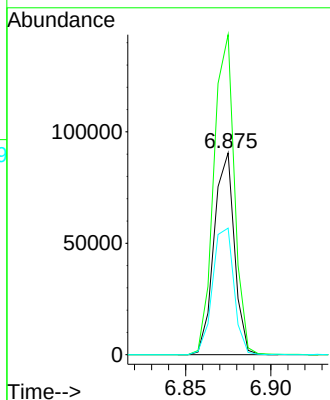
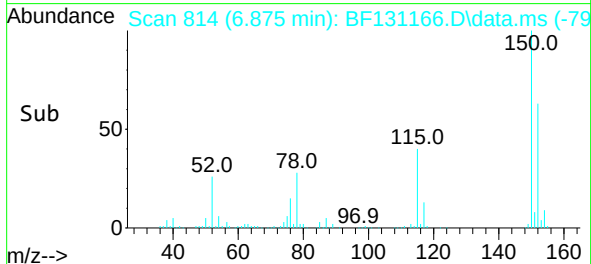
Instrument :
BNA_F
ClientSampleId :
RM-3



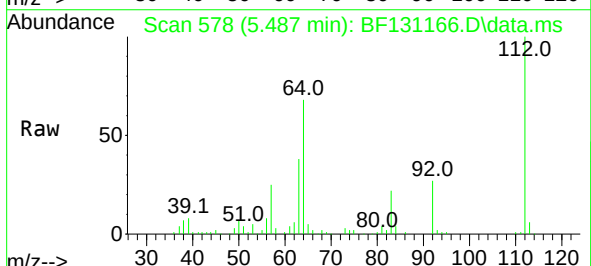
Tgt Ion:152 Resp: 75290
Ion Ratio Lower Upper
152 100
150 158.6 125.5 188.3
115 62.8 52.2 78.2

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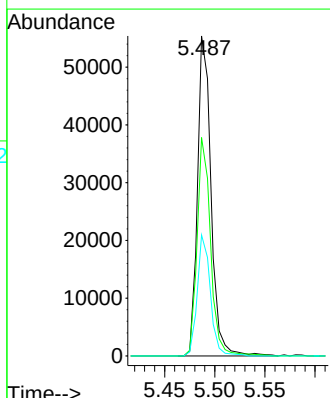
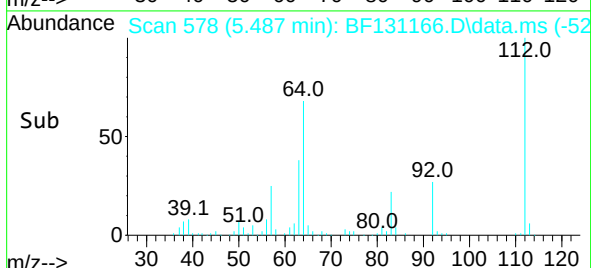
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

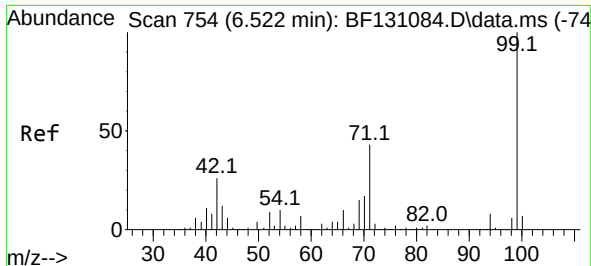


#5
2-Fluorophenol
Concen: 11.823 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05



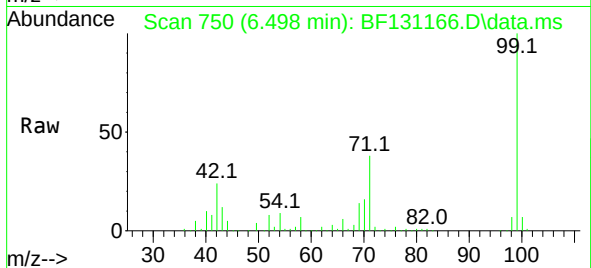
Tgt Ion:112 Resp: 52344
Ion Ratio Lower Upper
112 100
64 68.3 55.1 82.7
63 37.8 32.4 48.6





#7
Phenol-d6
Concen: 36.918 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

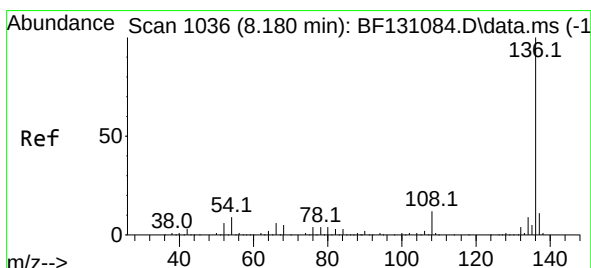
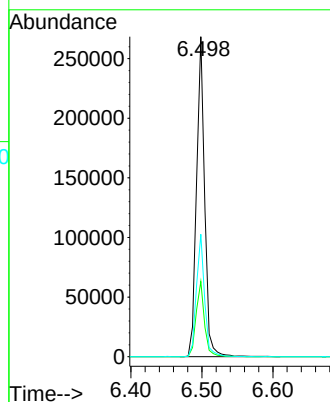
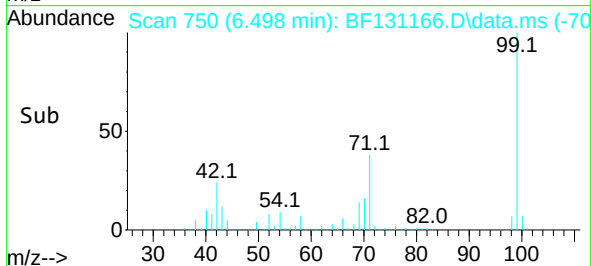
Instrument :
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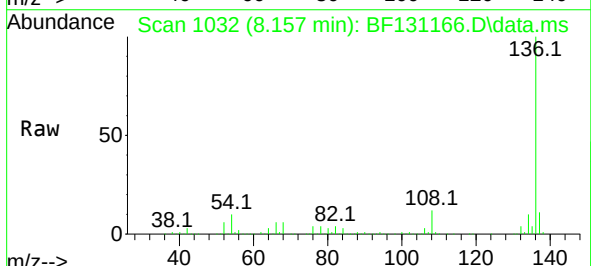
Tgt Ion: 99 Resp: 21368
Ion Ratio Lower Upper
99 100
42 23.5 20.8 31.2
71 38.3 34.2 51.4

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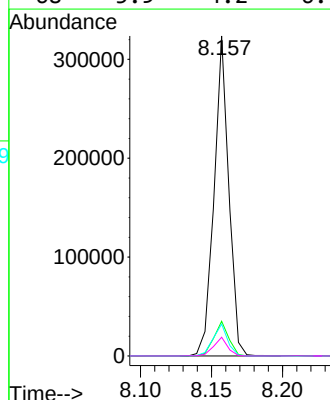
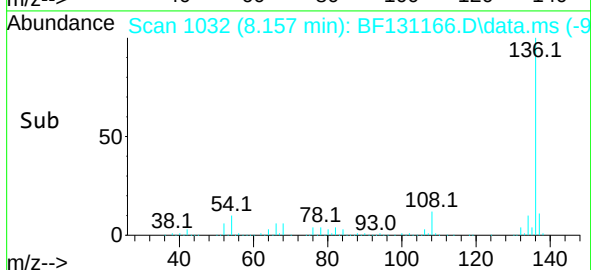
Reviewed By :Christian Giraldo 11/12/2022
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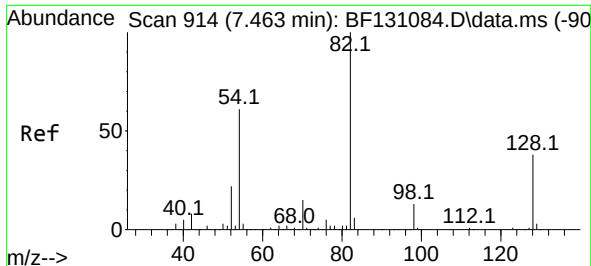


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05



Tgt Ion:136 Resp: 233897
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.0 7.2 10.8
68 5.9 4.2 6.4





#23

Nitrobenzene-d5

Concen: 26.686 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

Instrument :

BNA_F

ClientSampleId :

RM-3

Tgt Ion: 82 Resp: 13834

Ion Ratio Lower Upper

82 100

128 37.7 30.5 45.7

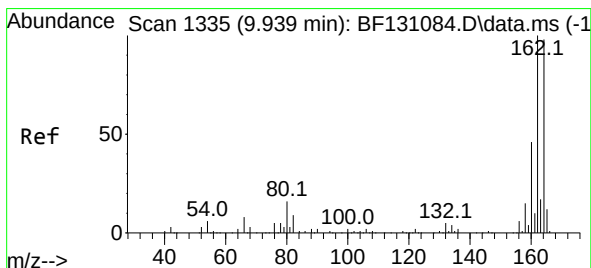
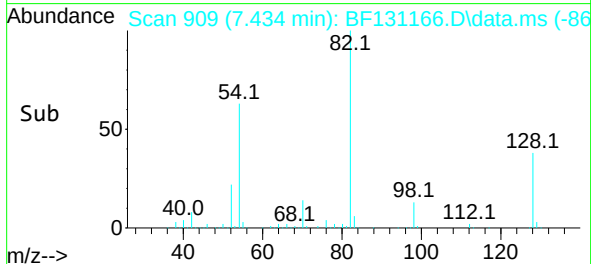
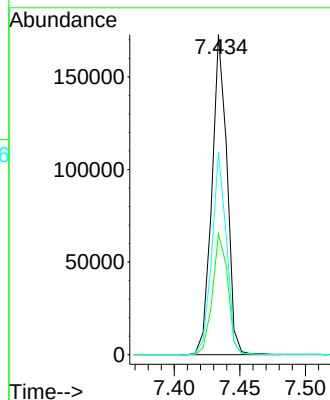
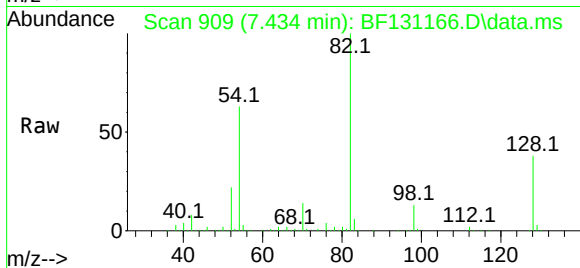
54 63.2 49.1 73.7

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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: BF131166.D

Acq: 11 Nov 2022 22:05

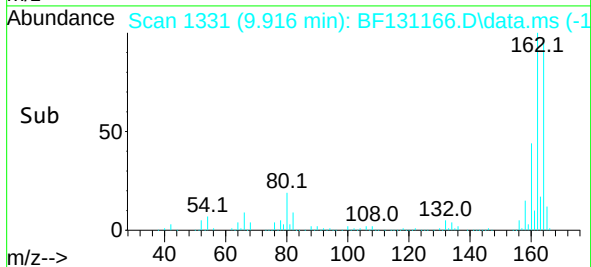
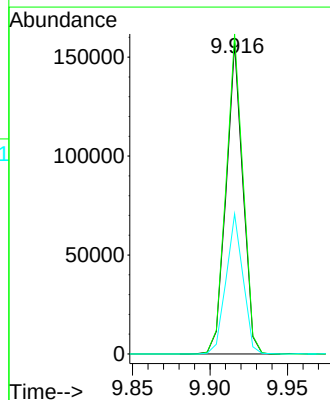
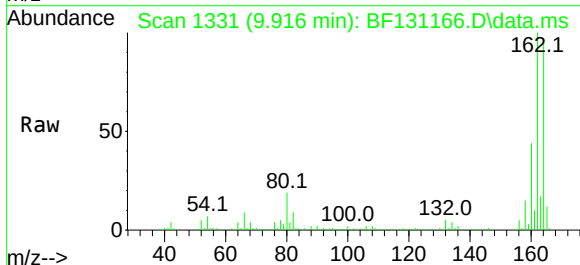
Tgt Ion:164 Resp: 118321

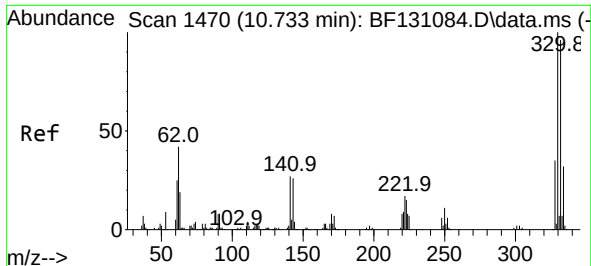
Ion Ratio Lower Upper

164 100

162 103.0 81.7 122.5

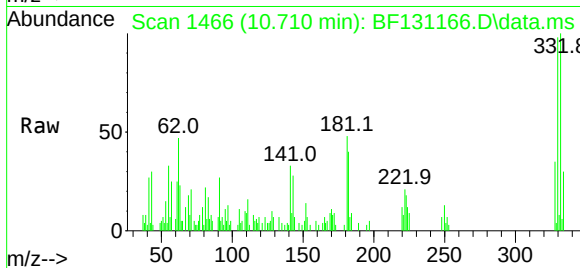
160 45.1 37.4 56.2





#42
 2,4,6-Tribromophenol
 Concen: 4.166 ng
 RT: 10.710 min Scan# 1470
 Delta R.T. -0.000 min
 Lab File: BF131166.D
 Acq: 11 Nov 2022 22:05

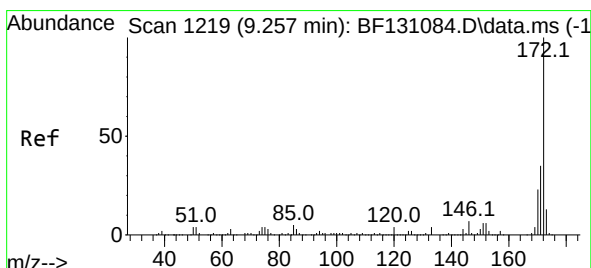
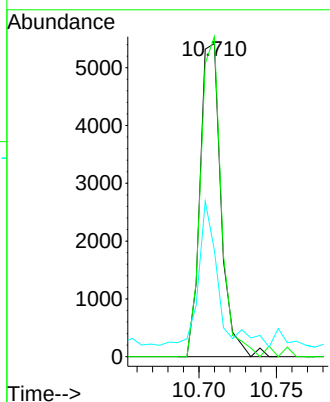
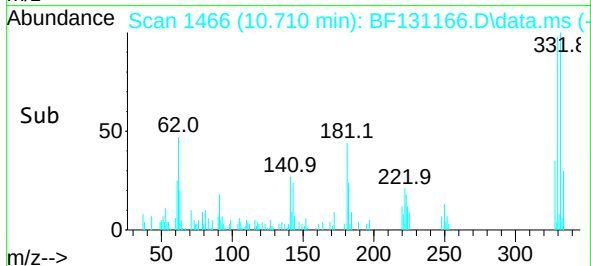
Instrument :
 BNA_F
 ClientSampleId :
 RM-3



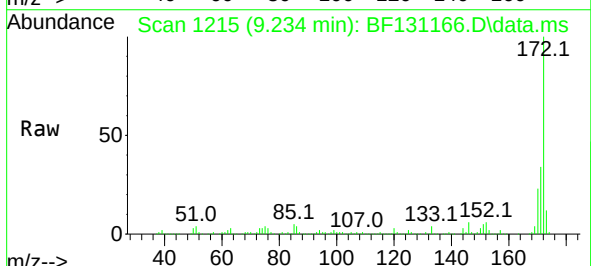
Tgt Ion: 330 Resp: 5094
 Ion Ratio Lower Upper
 330 100
 332 99.9 77.0 115.4
 141 44.1 28.5 42.7

Manual Integrations
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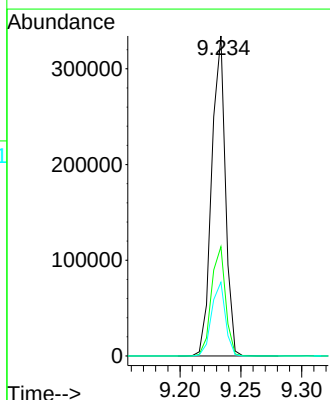
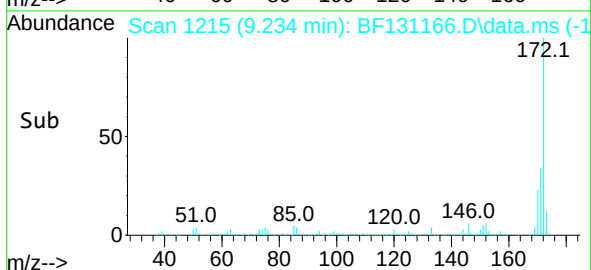
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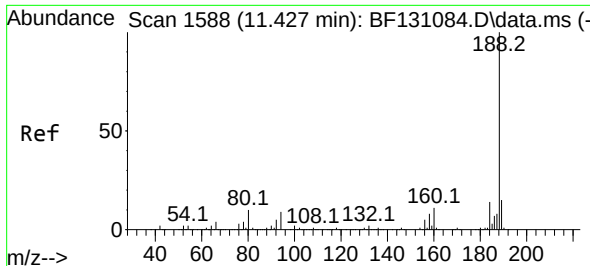


#45
 2-Fluorobiphenyl
 Concen: 30.996 ng
 RT: 9.234 min Scan# 1215
 Delta R.T. -0.006 min
 Lab File: BF131166.D
 Acq: 11 Nov 2022 22:05



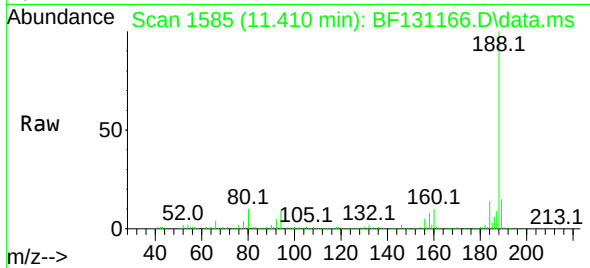
Tgt Ion: 172 Resp: 262717
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.7 41.5
 170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

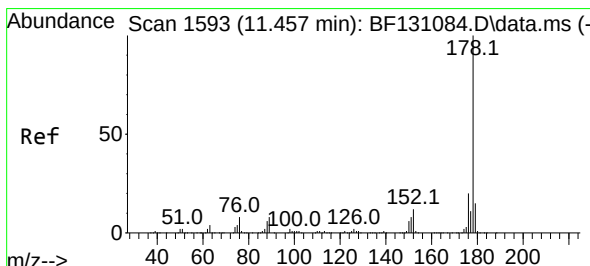
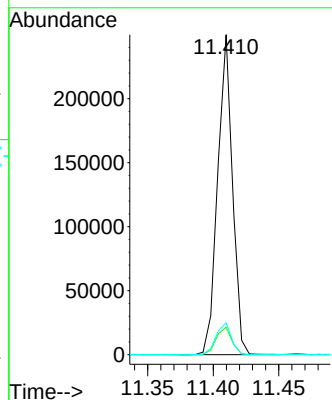
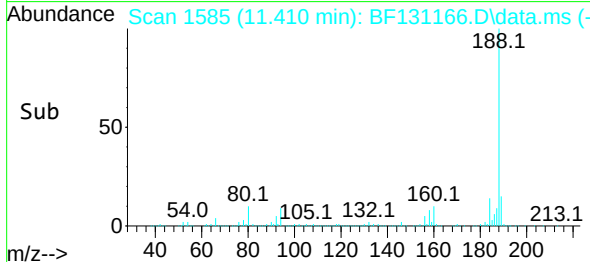
Instrument :
BNA_F
ClientSampleId :
RM-3



Tgt Ion:188 Resp: 196060
Ion Ratio Lower Upper
188 100
94 8.6 7.0 10.6
80 10.0 7.9 11.9

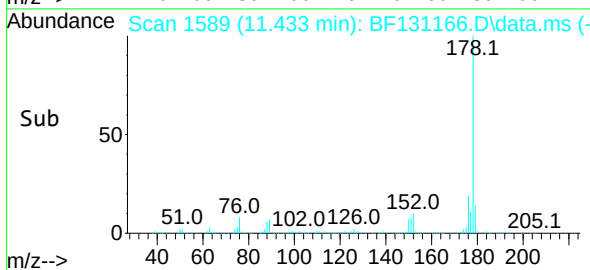
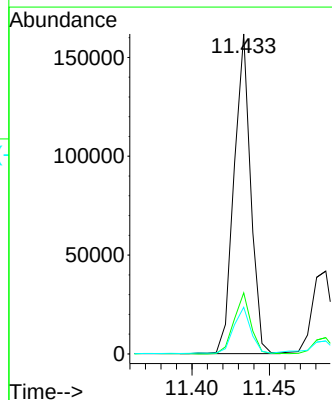
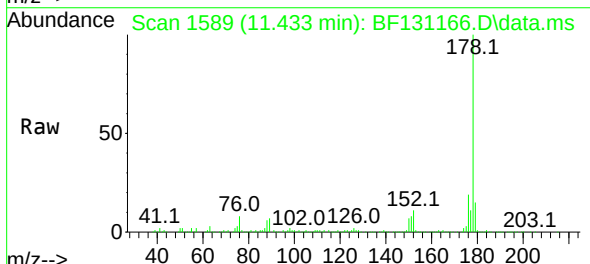
Manual Integrations
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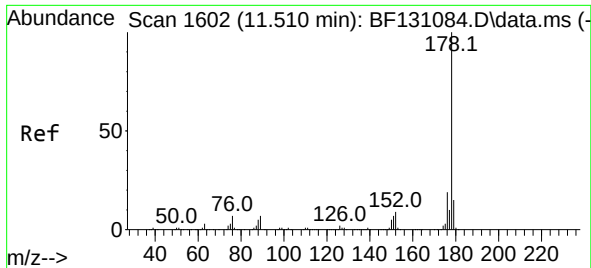
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#71
Phenanthrene
Concen: 11.183 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

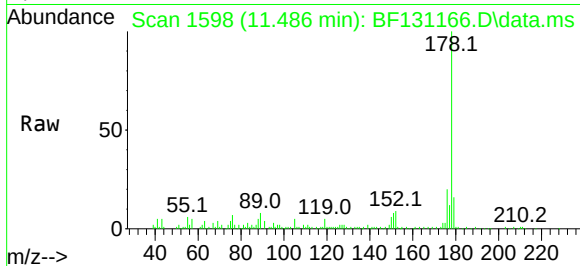
Tgt Ion:178 Resp: 120585
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.8
179 14.6 12.2 18.2





#72
 Anthracene
 Concen: 3.409 ng
 RT: 11.486 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF131166.D
 Acq: 11 Nov 2022 22:05

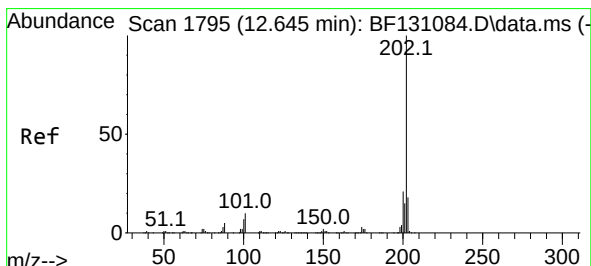
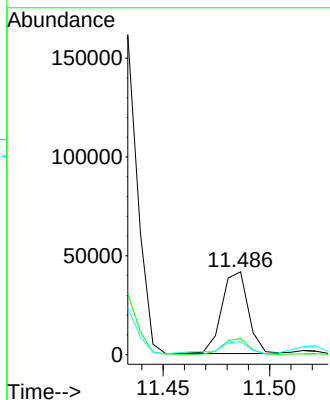
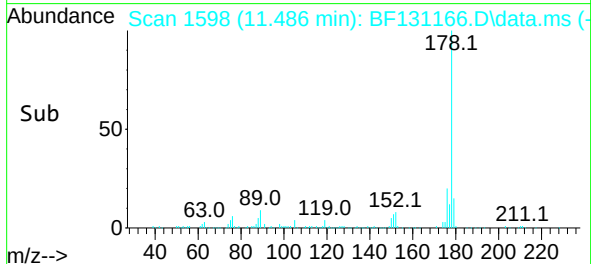
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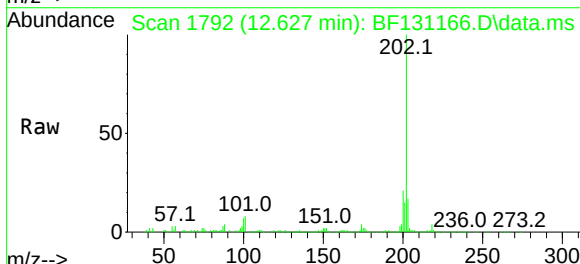
Tgt Ion:178 Resp: 3568
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.0 22.6
 179 15.7 11.8 17.8

Manual Integrations
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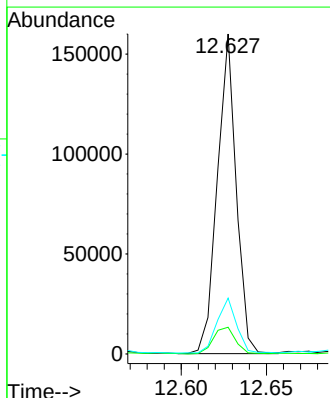
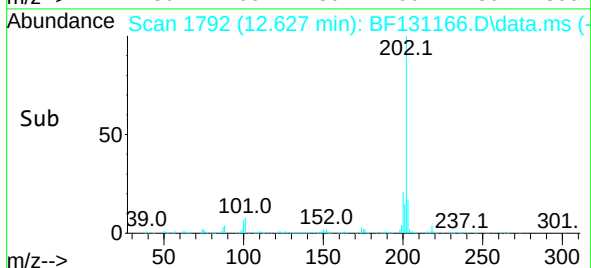
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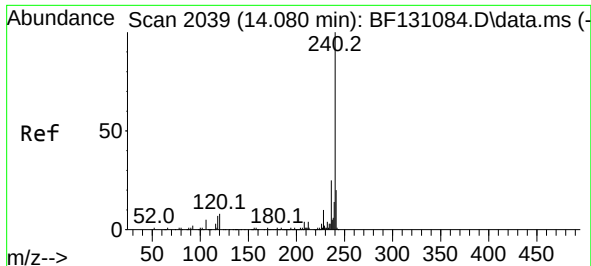


#75
 Fluoranthene
 Concen: 11.431 ng
 RT: 12.627 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: BF131166.D
 Acq: 11 Nov 2022 22:05



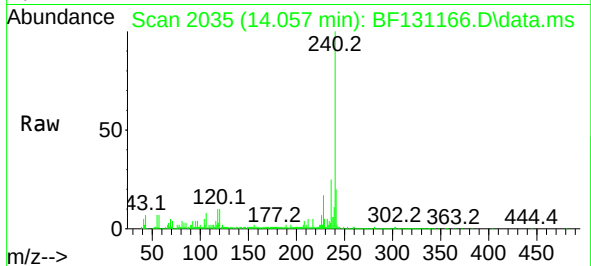
Tgt Ion:202 Resp: 123380
 Ion Ratio Lower Upper
 202 100
 101 8.4 0.0 30.0
 203 17.4 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

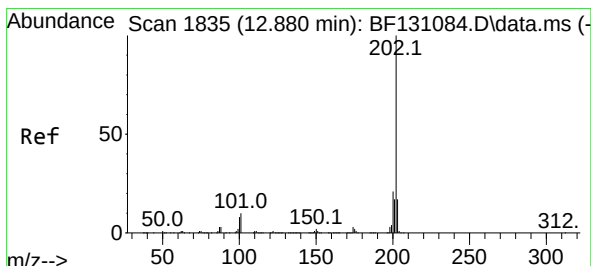
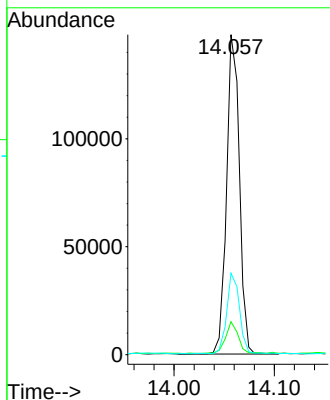
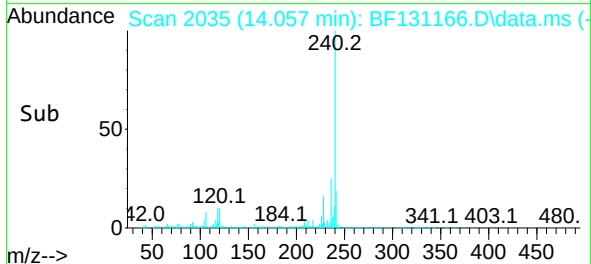
Instrument :
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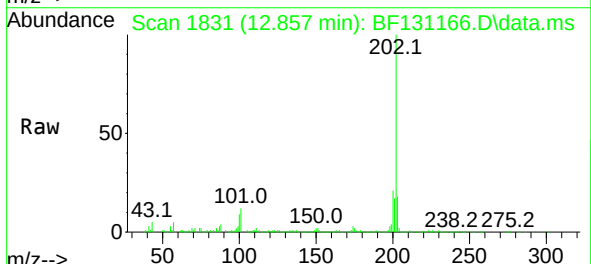
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Ion Ratio Lower Upper
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120 10.3 6.5 9.7
236 25.4 19.7 29.5

Manual Integrations
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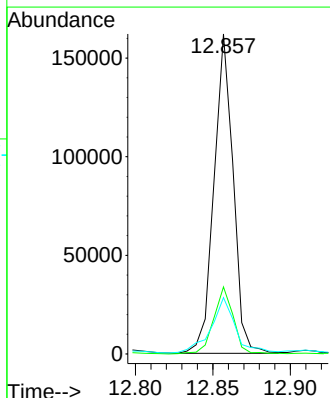
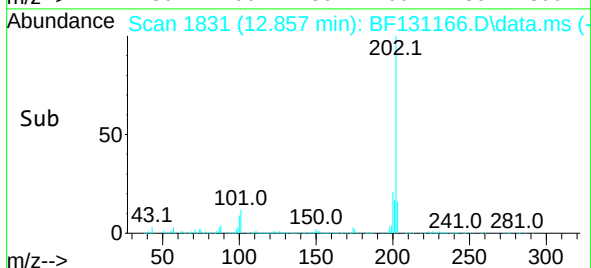
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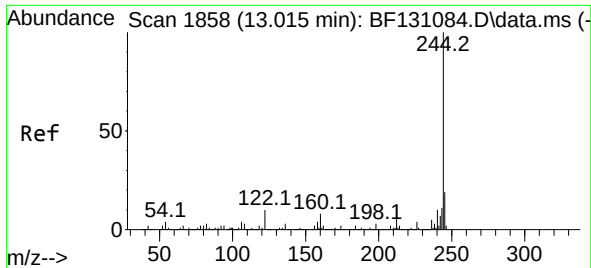


#78
Pyrene
Concen: 12.363 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05



Tgt Ion:202 Resp: 139215
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.6 13.6 20.4





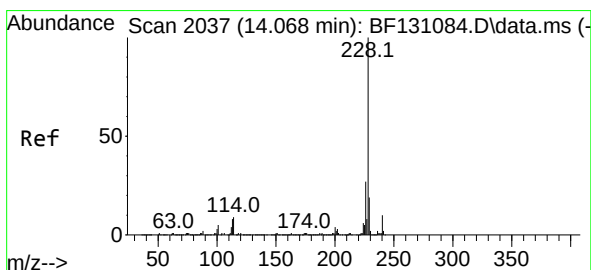
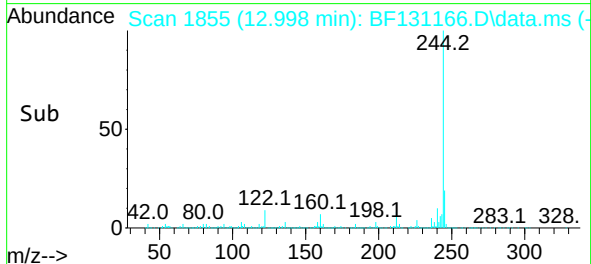
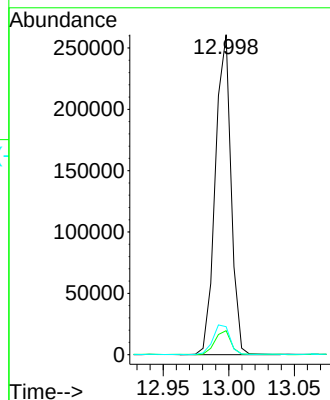
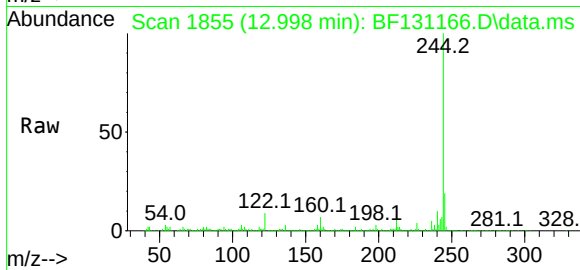
#79
 Terphenyl-d14
 Concen: 28.997 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.000 min
 Lab File: BF131166.D
 Acq: 11 Nov 2022 22:05

Instrument :
 BNA_F
 ClientSampleId :
 RM-3

Tgt Ion:244 Resp: 21707
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 8.7 7.8 11.8

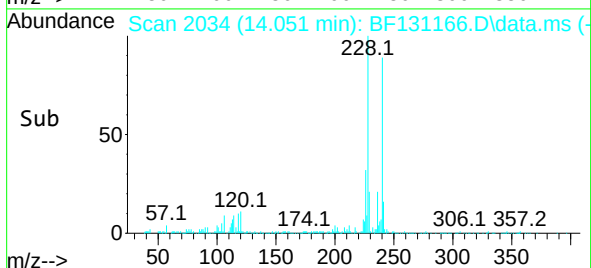
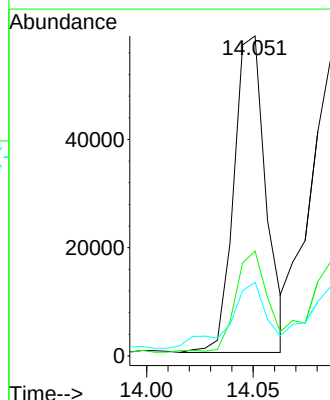
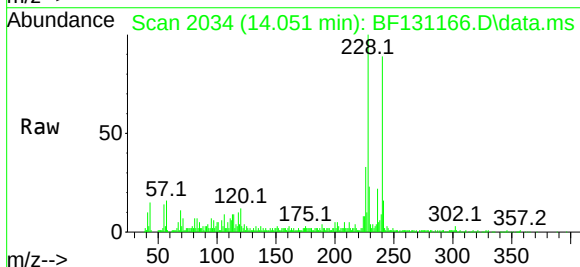
Manual Integrations
 APPROVED

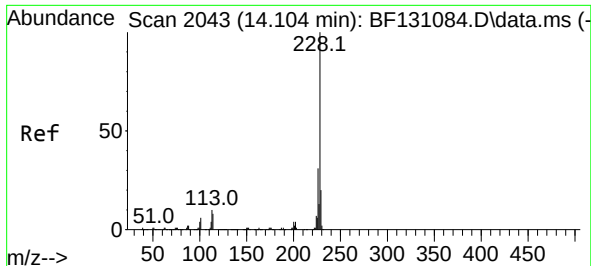
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022



#81
 Benzo(a)anthracene
 Concen: 6.540 ng
 RT: 14.051 min Scan# 2034
 Delta R.T. 0.006 min
 Lab File: BF131166.D
 Acq: 11 Nov 2022 22:05

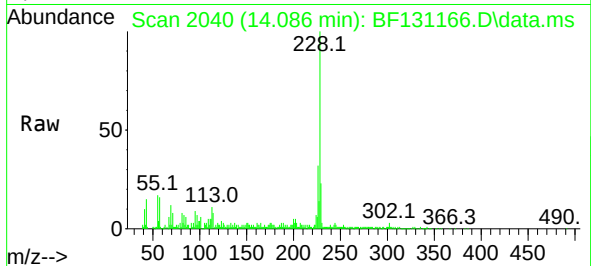
Tgt Ion:228 Resp: 61355
 Ion Ratio Lower Upper
 228 100
 226 32.8 21.8 32.6#
 229 23.0 15.4 23.2





#83
Chrysene
Concen: 6.287 ng
RT: 14.086 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

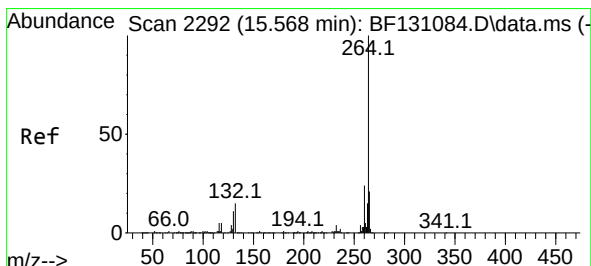
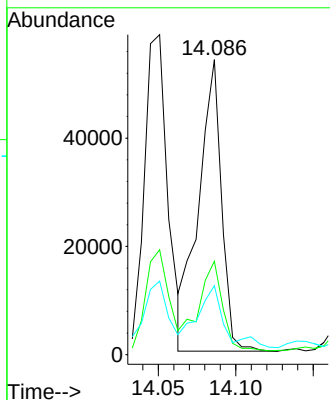
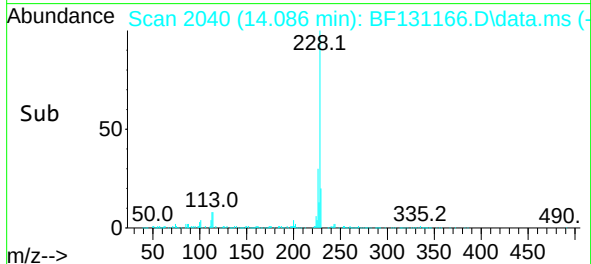
Instrument :
BNA_F
ClientSampleId :
RM-3



Tgt Ion:228 Resp: 55702
Ion Ratio Lower Upper
228 100
226 31.7 24.4 36.6
229 23.3 15.8 23.6

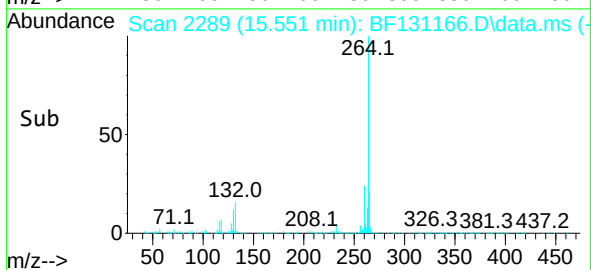
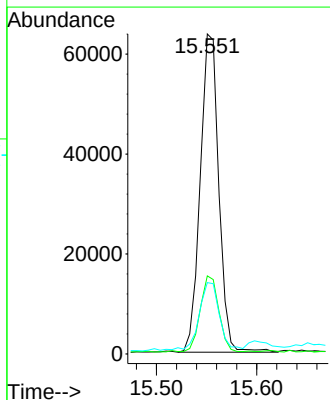
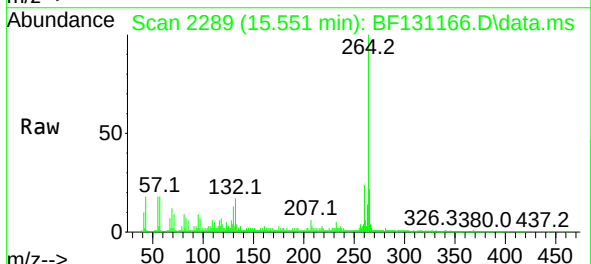
Manual Integrations
APPROVED

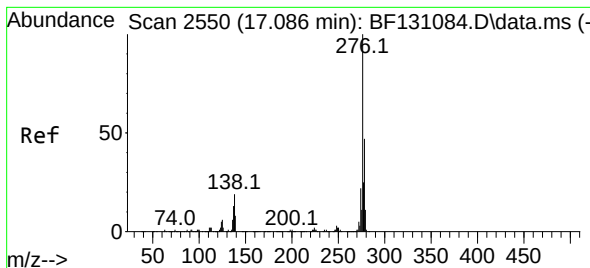
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

Tgt Ion:264 Resp: 82162
Ion Ratio Lower Upper
264 100
260 24.4 19.1 28.7
265 22.3 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.707 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

Instrument :

BNA_F

ClientSampleId :

RM-3

Tgt Ion:276 Resp: 20778

Ion Ratio Lower Upper

276 100

138 26.1 16.9 25.3#

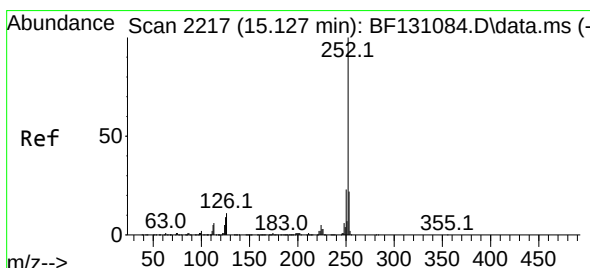
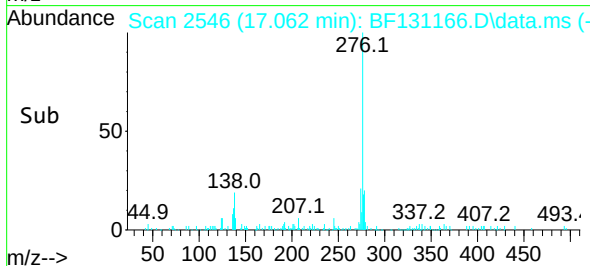
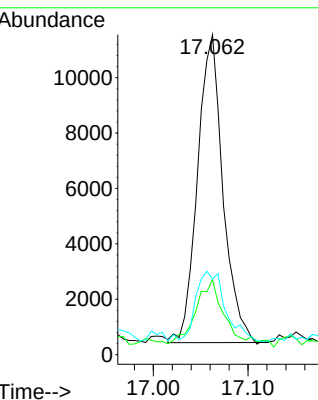
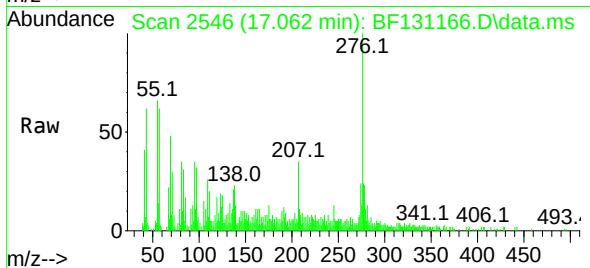
277 26.1 20.3 30.5#

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#88

Benzo(b)fluoranthene

Concen: 8.396 ng m

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

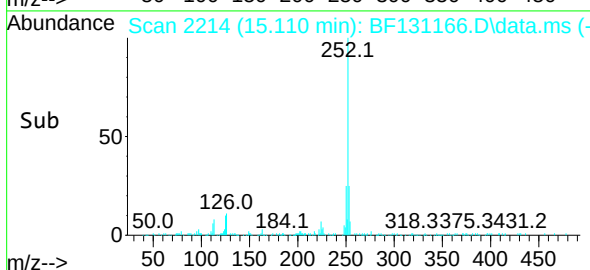
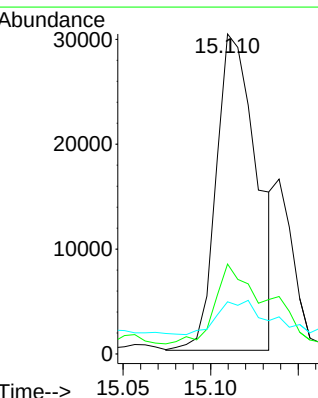
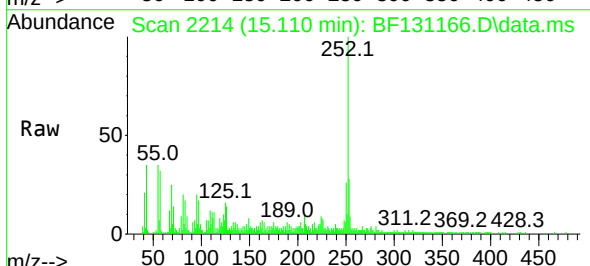
Tgt Ion:252 Resp: 48773

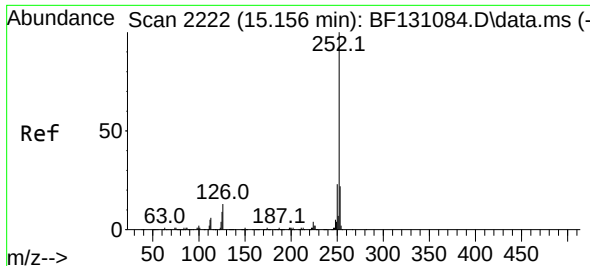
Ion Ratio Lower Upper

252 100

253 28.1 17.3 25.9#

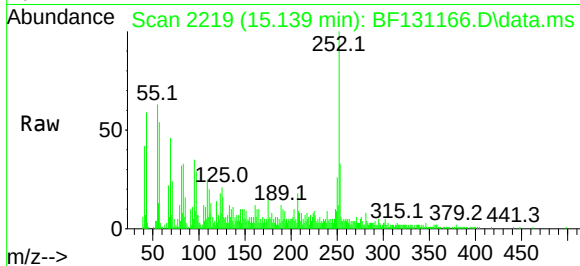
125 16.3 7.2 10.8#





#89
Benzo(k)fluoranthene
Concen: 2.332 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05

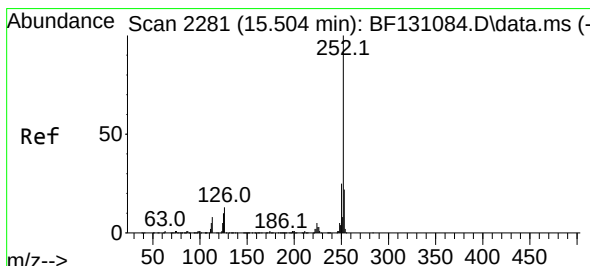
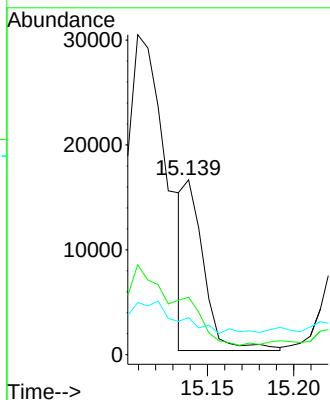
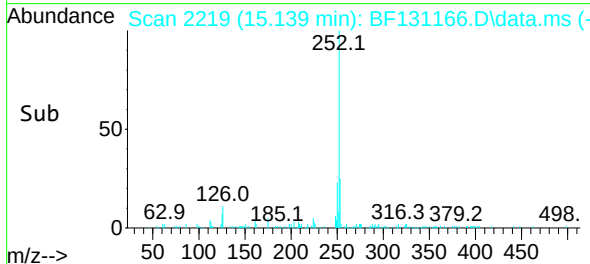
Instrument :
BNA_F
ClientSampleId :
RM-3



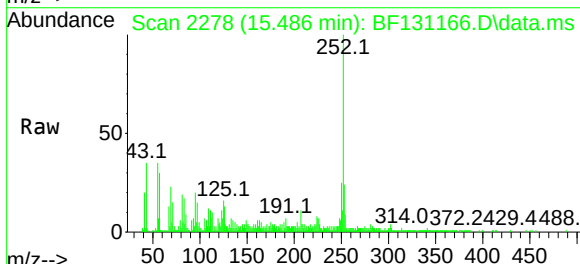
Tgt Ion:252 Resp: 13019
Ion Ratio Lower Upper
252 100
253 32.8 17.6 26.4
125 21.3 7.5 11.3

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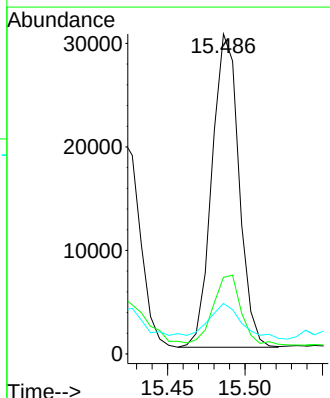
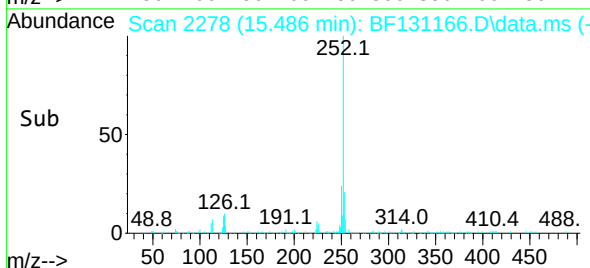
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

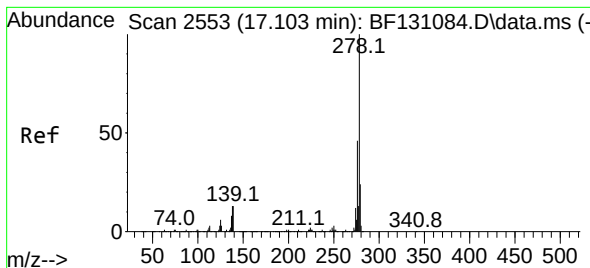


#90
Benzo(a)pyrene
Concen: 7.872 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF131166.D
Acq: 11 Nov 2022 22:05



Tgt Ion:252 Resp: 36661
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 15.8 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 5.031 ng

RT: 17.074 min Scan# 2553

Delta R.T. -0.000 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

Instrument :

BNA_F

ClientSampleId :

RM-3

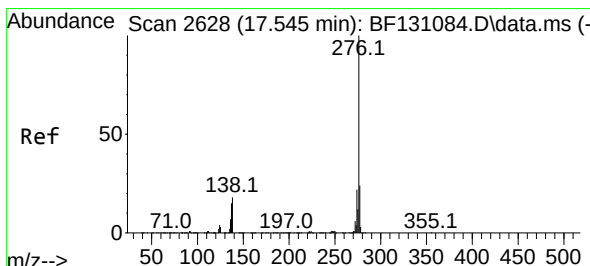
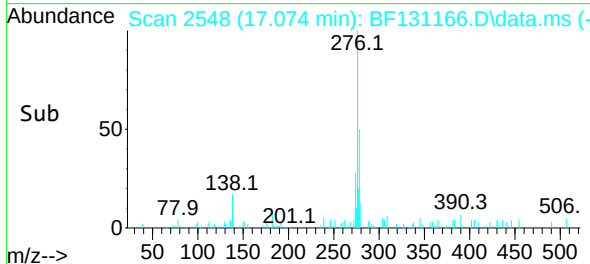
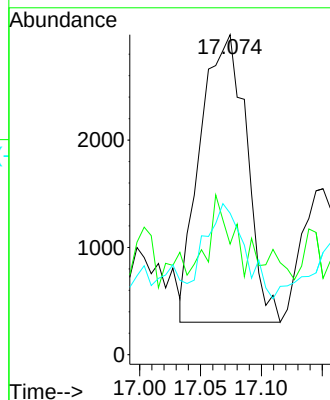
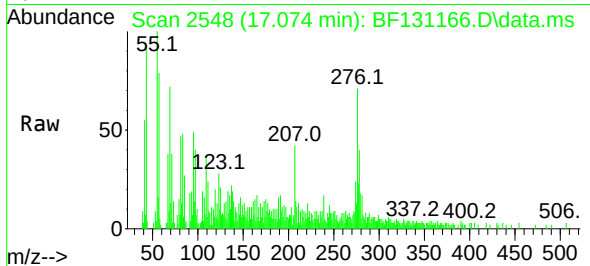
Tgt Ion:278	Resp:	7050
Ion Ratio	Lower	Upper
278	100	
139	34.6	10.8 16.2
279	44.2	19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#92

Benzo(g,h,i)perylene

Concen: 8.015 ng

RT: 17.521 min Scan# 2624

Delta R.T. 0.006 min

Lab File: BF131166.D

Acq: 11 Nov 2022 22:05

Tgt Ion:276	Resp:	23196
Ion Ratio	Lower	Upper
276	100	
277	26.9	19.0 28.4
138	22.5	14.6 21.8

