

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131162.D
 Acq On : 11 Nov 2022 19:50
 Operator : CG\JU
 Sample : N5506-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
 APPROVED

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

Quant Time: Nov 12 00:06:24 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	6.869	152	81616	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	293184	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	159657	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	228117	20.000	ng	0.00
76) Chrysene-d12	14.057	240	167322	20.000	ng	0.00
86) Perylene-d12	15.545	264	112695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	469915	97.915	ng	0.01
7) Phenol-d6	6.504	99	653119	104.094	ng	0.00
23) Nitrobenzene-d5	7.439	82	401143	61.733	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	131613	79.765	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	624057	54.565	ng	0.00
79) Terphenyl-d14	12.992	244	442691	46.388	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	75154	5.990	ng	98
75) Fluoranthene	12.621	202	77466	6.168	ng	98
78) Pyrene	12.851	202	86546	6.029	ng	97
81) Benzo(a)anthracene	14.045	228	41270	3.451	ng	95
83) Chrysene	14.080	228	42288m	3.744	ng	
87) Indeno(1,2,3-cd)pyrene	17.045	276	12959	5.157	ng	96
88) Benzo(b)fluoranthene	15.104	252	33424m	4.195	ng	
90) Benzo(a)pyrene	15.480	252	26317	4.120	ng	# 94
91) Dibenzo(a,h)anthracene	17.062	278	3816	4.309	ng	# 62
92) Benzo(g,h,i)perylene	17.503	276	13229	5.883	ng	96

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

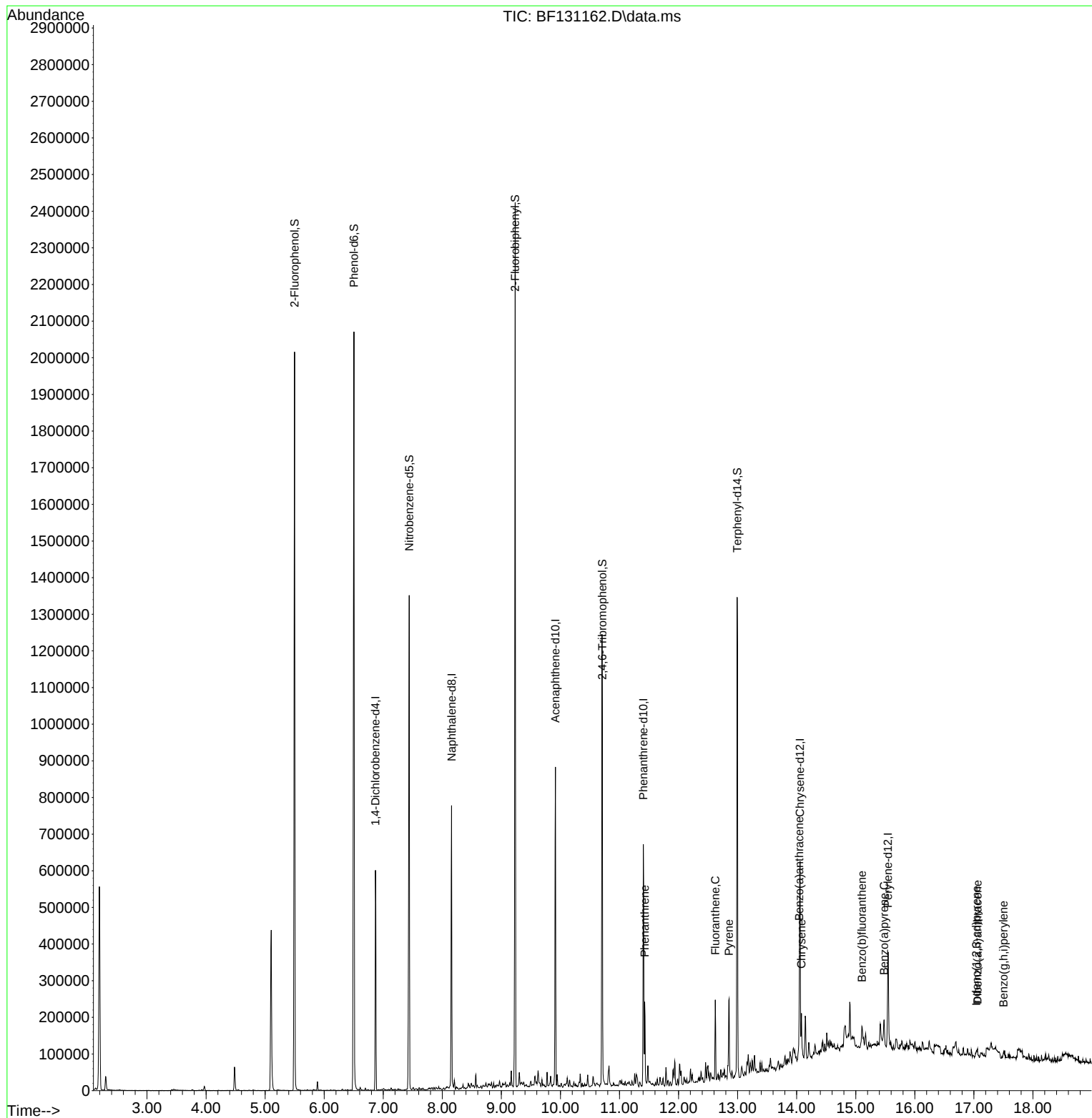
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131162.D
Acq On : 11 Nov 2022 19:50
Operator : CG\JU
Sample : N5506-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

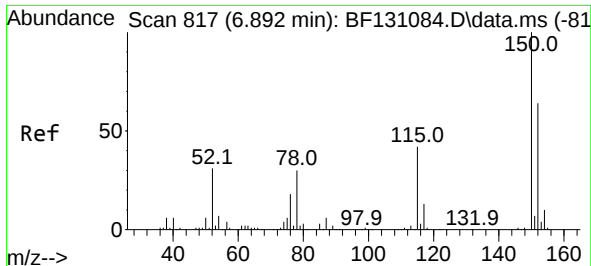
Instrument :
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TP-5

Quant Time: Nov 12 00:06:24 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
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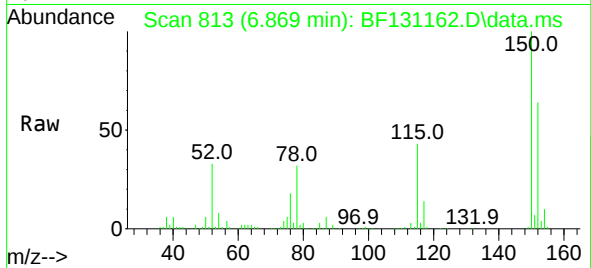
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF131162.D
 Acq: 11 Nov 2022 19:50

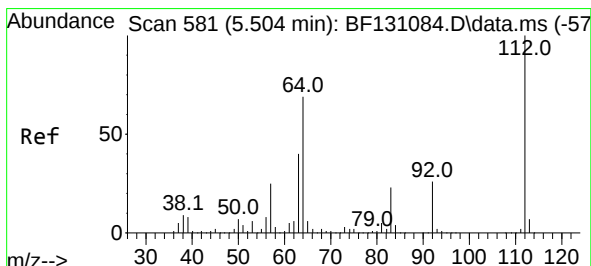
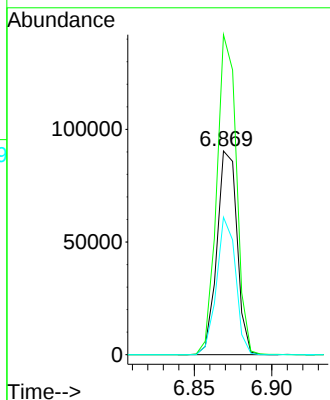
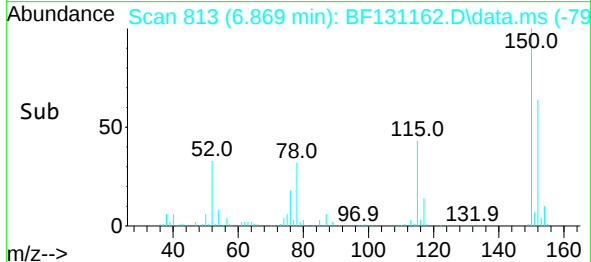
Instrument :
 BNA_F
 ClientSampleId :
 TP-5



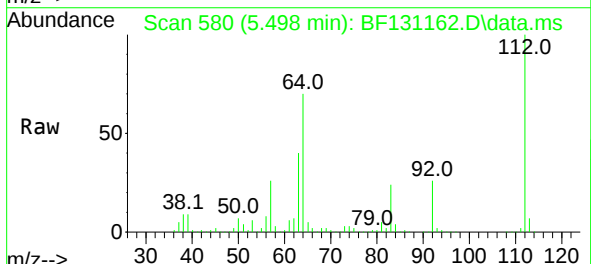
Tgt Ion:152 Resp: 81610
 Ion Ratio Lower Upper
 152 100
 150 157.1 125.5 188.3
 115 67.5 52.2 78.2

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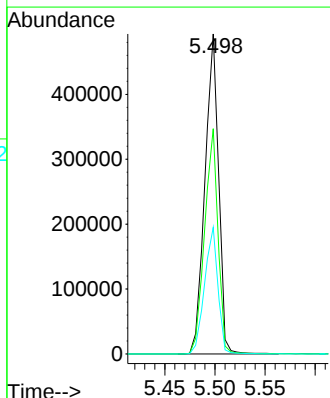
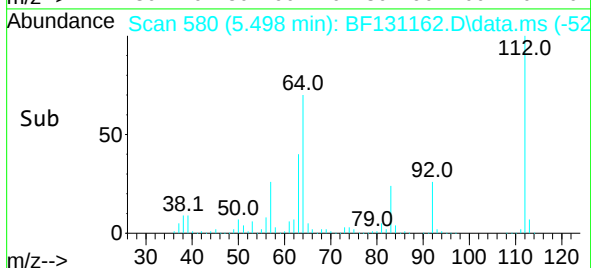
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022

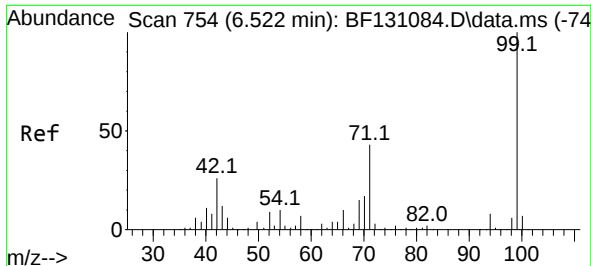


#5
 2-Fluorophenol
 Concen: 97.915 ng
 RT: 5.498 min Scan# 580
 Delta R.T. 0.012 min
 Lab File: BF131162.D
 Acq: 11 Nov 2022 19:50



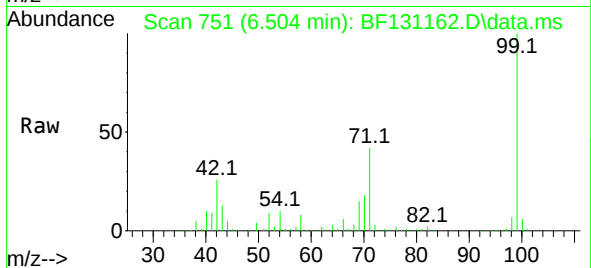
Tgt Ion:112 Resp: 469915
 Ion Ratio Lower Upper
 112 100
 64 70.4 55.1 82.7
 63 39.5 32.4 48.6





#7
Phenol-d6
Concen: 104.094 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

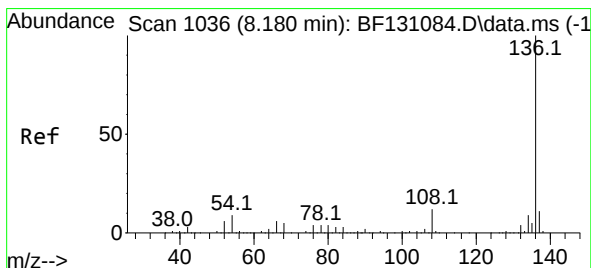
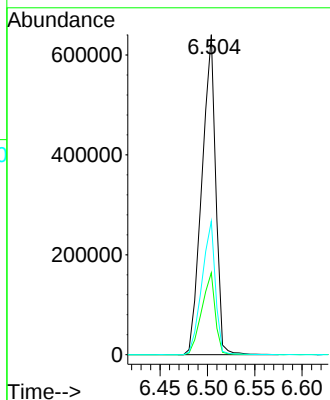
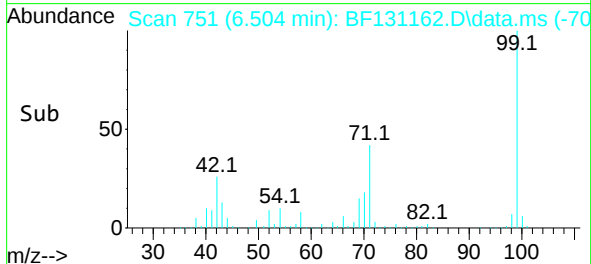
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion: 99 Resp: 653119
Ion Ratio Lower Upper
99 100
42 25.6 20.8 31.2
71 41.7 34.2 51.4

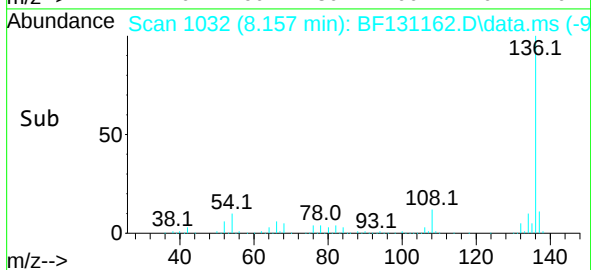
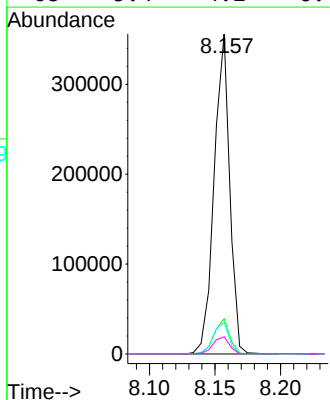
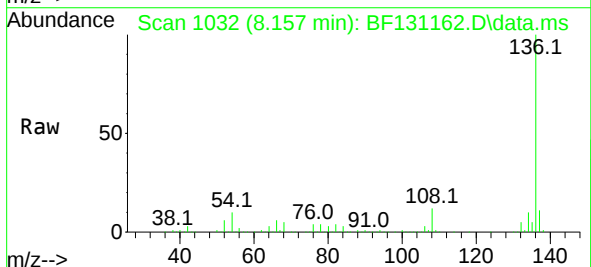
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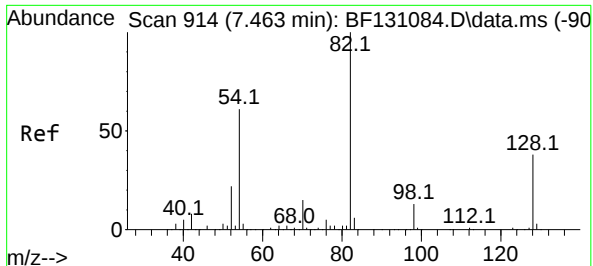
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Tgt Ion:136 Resp: 293184
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.8 7.2 10.8
68 5.4 4.2 6.4





#23

Nitrobenzene-d5

Concen: 61.733 ng

RT: 7.439 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion: 82 Resp: 40114

Ion Ratio Lower Upper

82 100

128 39.6 30.5 45.7

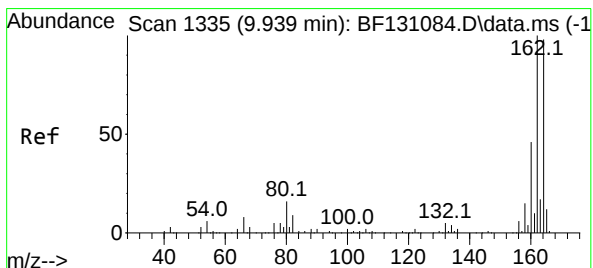
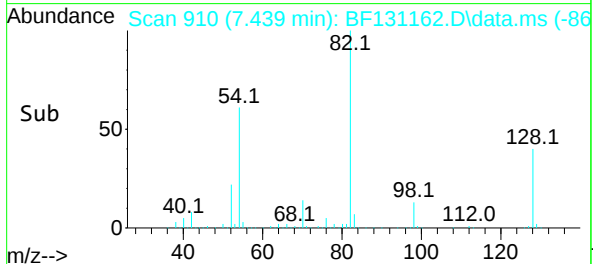
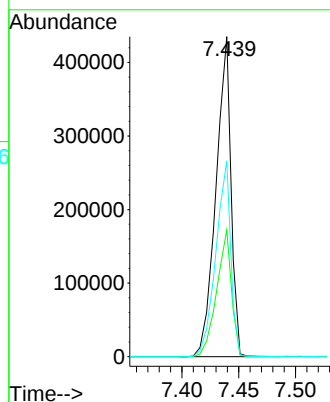
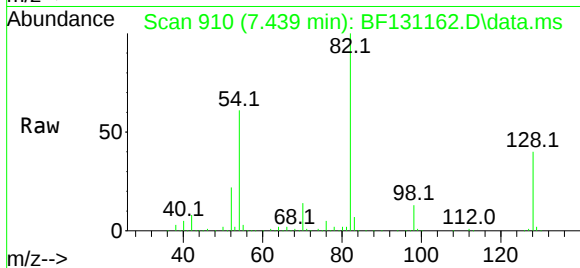
54 61.2 49.1 73.7

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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: BF131162.D

Acq: 11 Nov 2022 19:50

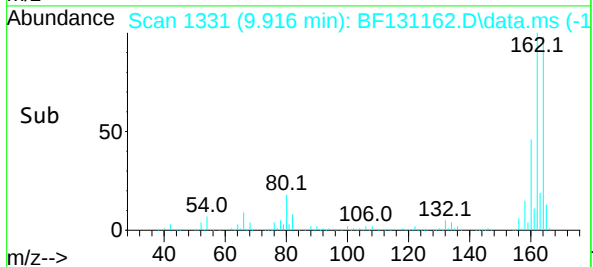
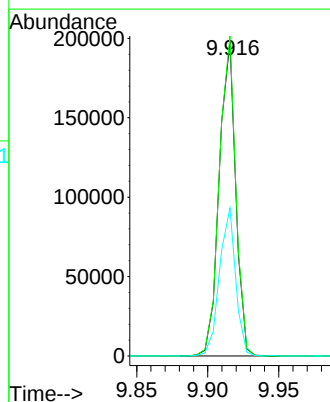
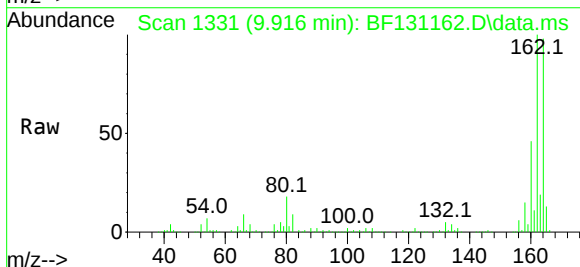
Tgt Ion:164 Resp: 159657

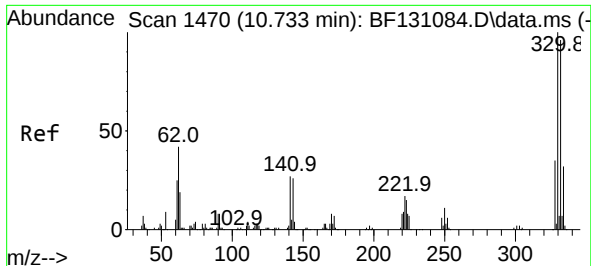
Ion Ratio Lower Upper

164 100

162 101.7 81.7 122.5

160 47.0 37.4 56.2





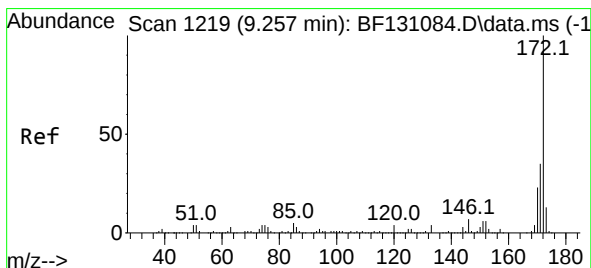
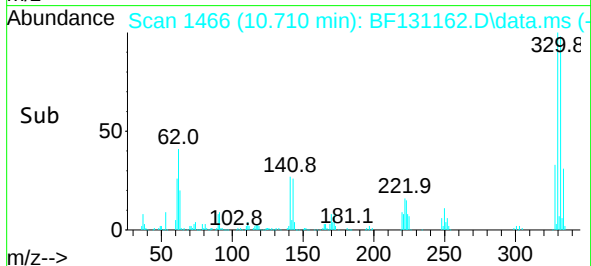
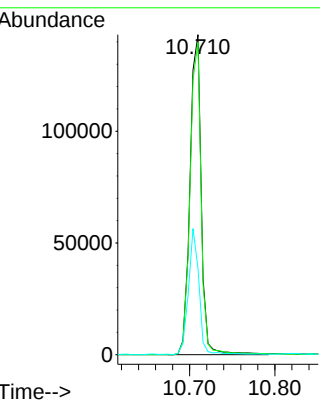
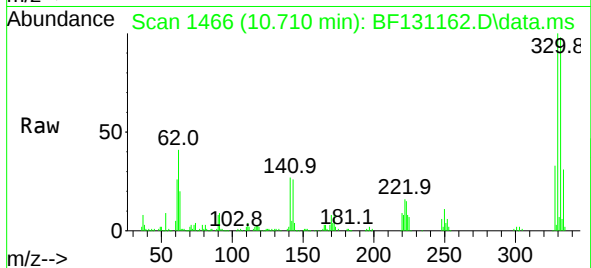
#42
2,4,6-Tribromophenol
Concen: 79.765 ng
RT: 10.710 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 330 Resp: 13161
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 36.5 28.5 42.7

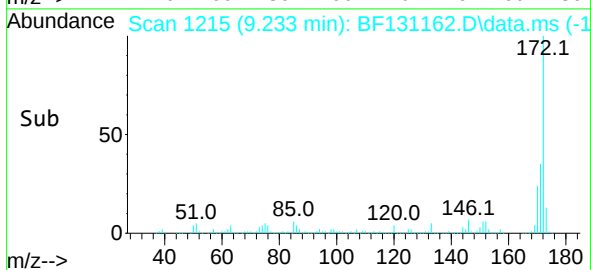
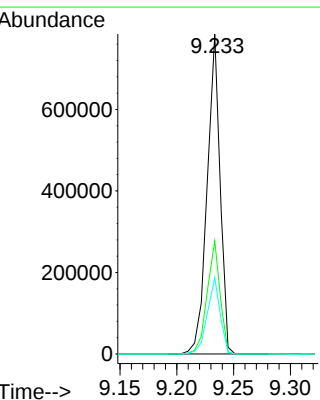
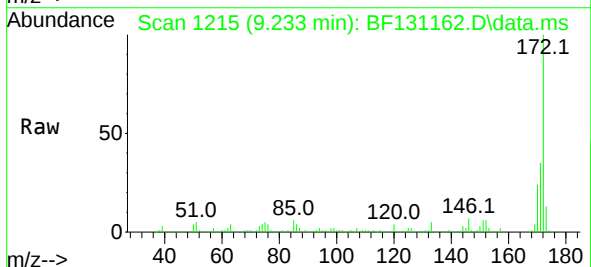
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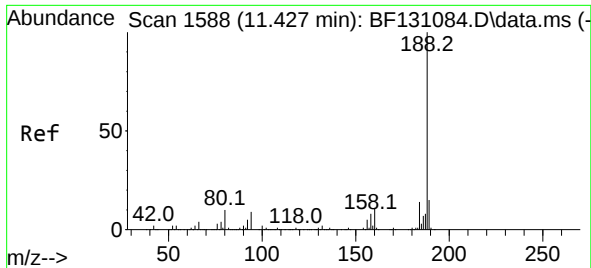
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022



#45
2-Fluorobiphenyl
Concen: 54.565 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Tgt Ion: 172 Resp: 624057
Ion Ratio Lower Upper
172 100
171 35.4 27.7 41.5
170 23.8 18.8 28.2





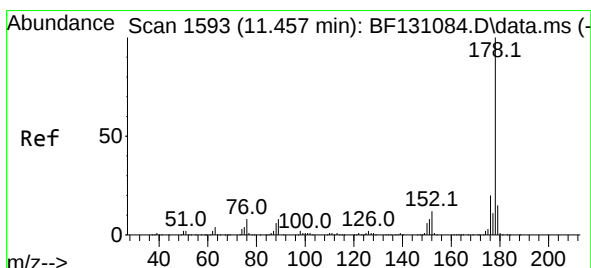
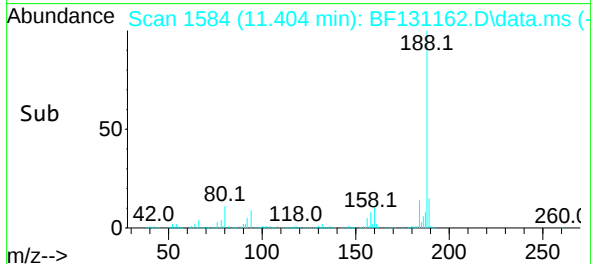
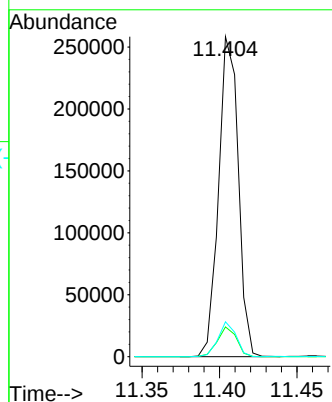
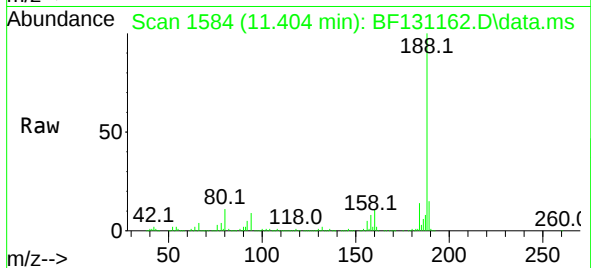
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Instrument :
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ClientSampleId :
TP-5

Tgt Ion:188 Resp: 22811
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.6
80 10.9 7.9 11.9

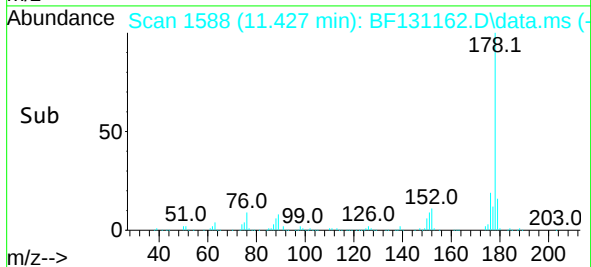
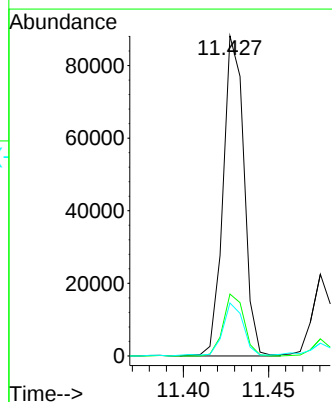
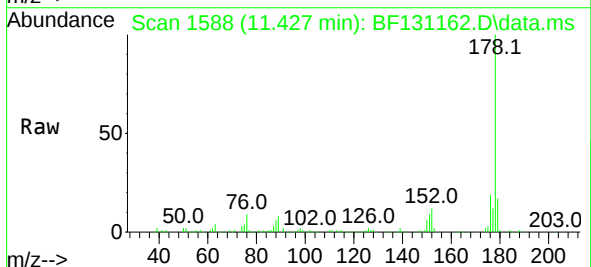
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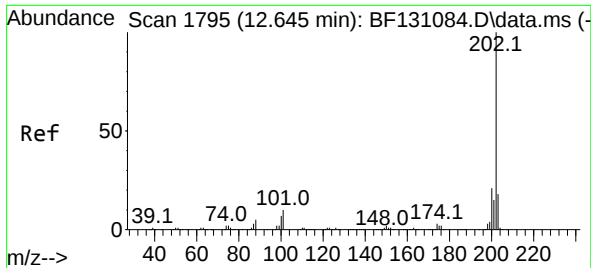
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#71
Phenanthrene
Concen: 5.990 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

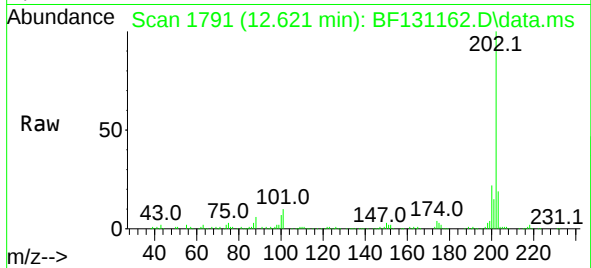
Tgt Ion:178 Resp: 75154
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 16.6 12.2 18.2





#75
Fluoranthene
Concen: 6.168 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

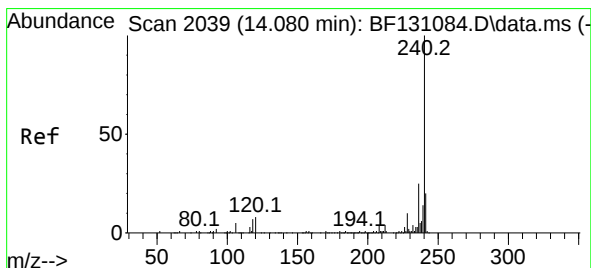
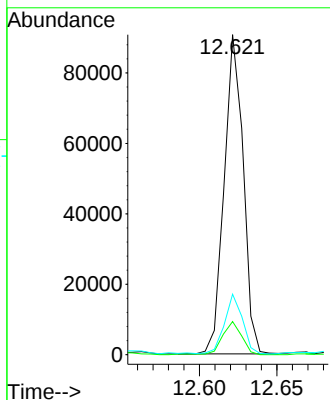
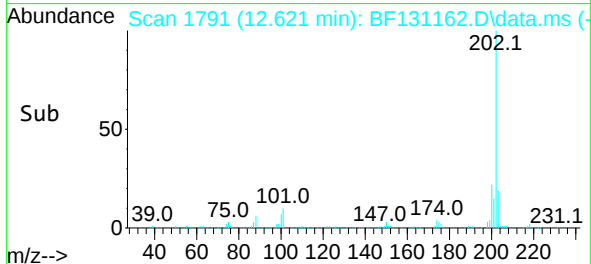
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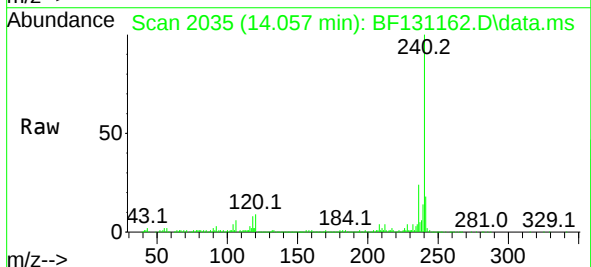
Tgt Ion:202 Resp: 77460
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.0
203 18.9 0.0 37.7

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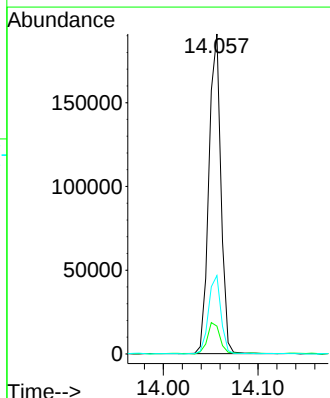
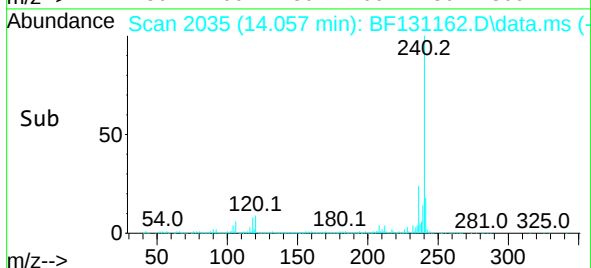
Reviewed By :Christian Giraldo 11/12/2022
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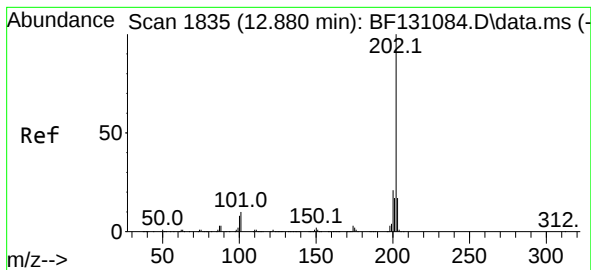


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.000 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50



Tgt Ion:240 Resp: 167322
Ion Ratio Lower Upper
240 100
120 8.7 6.5 9.7
236 24.5 19.7 29.5





#78

Pyrene

Concen: 6.029 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

Instrument :

BNA_F

ClientSampleId :

TP-5

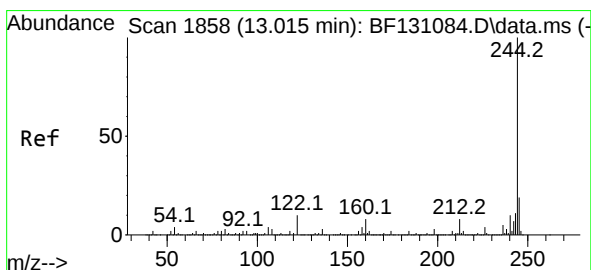
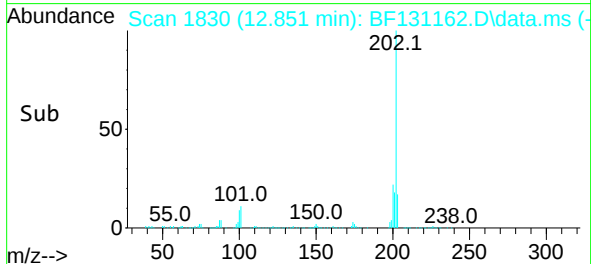
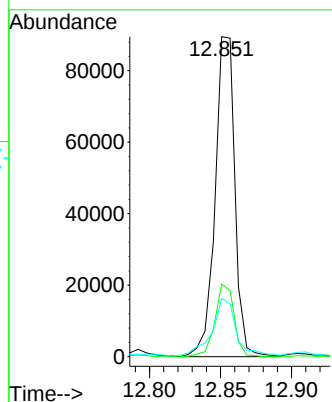
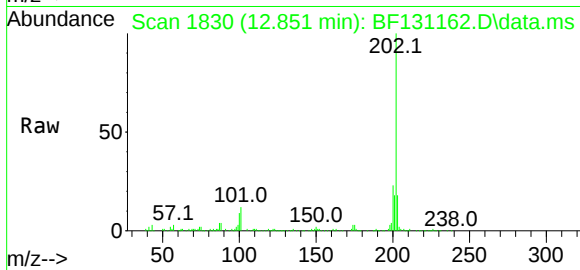
Tgt Ion:	202	Resp:	86540
Ion Ratio	Lower	Upper	
202	100		
200	22.7	16.8	25.2
203	18.2	13.6	20.4

Manual Integrations

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#79

Terphenyl-d14

Concen: 46.388 ng

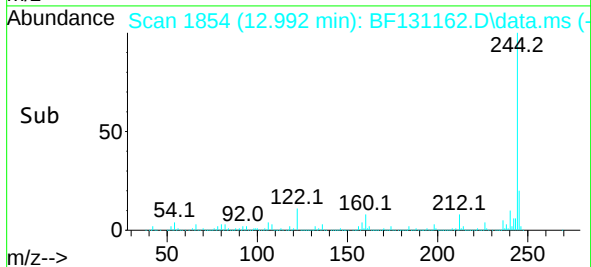
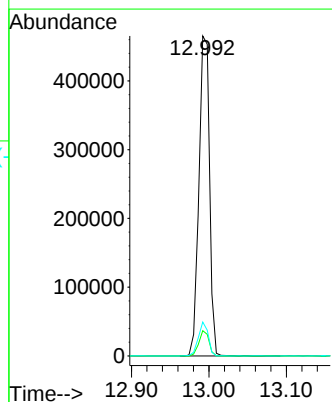
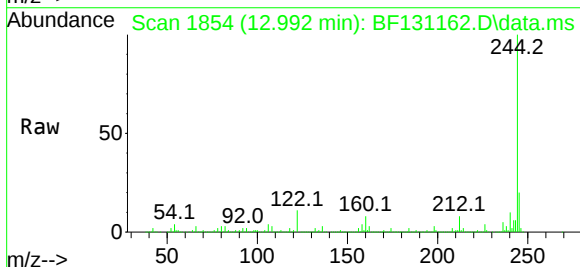
RT: 12.992 min Scan# 1854

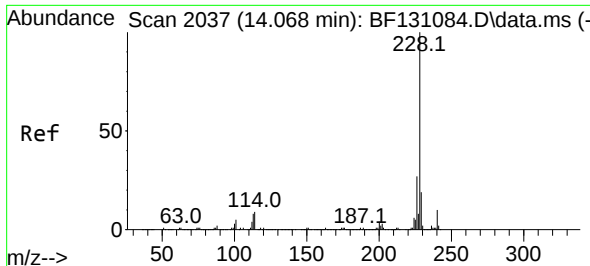
Delta R.T. -0.006 min

Lab File: BF131162.D

Acq: 11 Nov 2022 19:50

Tgt Ion:	244	Resp:	442691
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.2	9.2
122	10.6	7.8	11.8





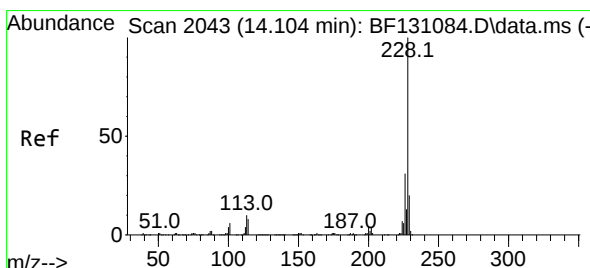
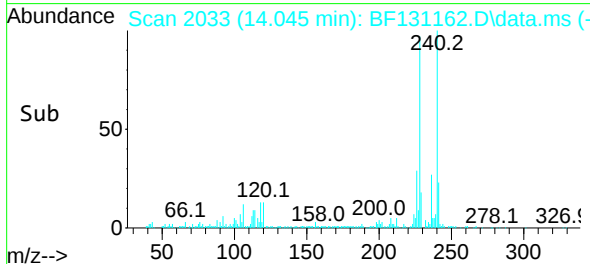
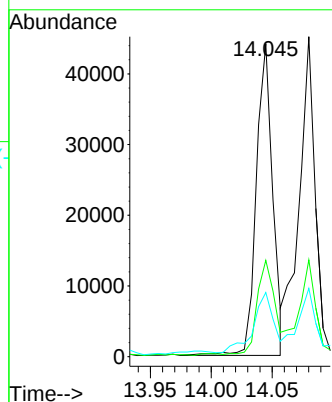
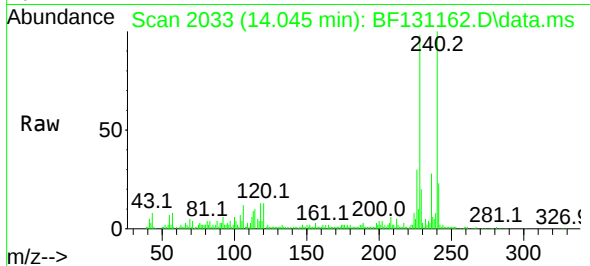
#81
Benzo(a)anthracene
Concen: 3.451 ng
RT: 14.045 min Scan# 2037
Delta R.T. -0.000 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:228 Resp: 41270
Ion Ratio Lower Upper
228 100
226 30.8 21.8 32.6
229 20.5 15.4 23.2

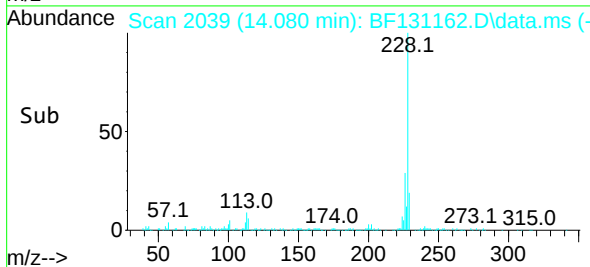
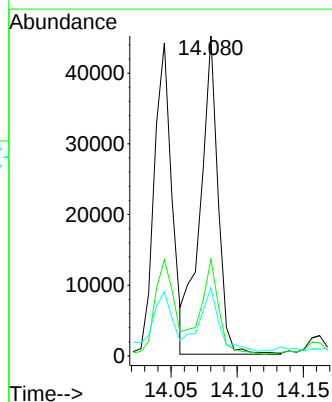
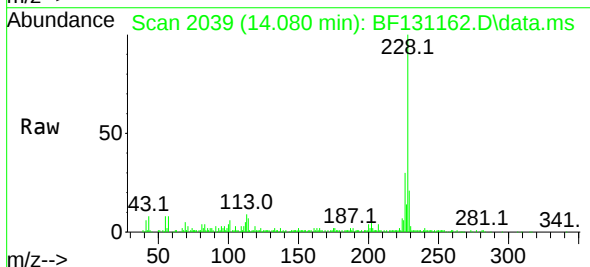
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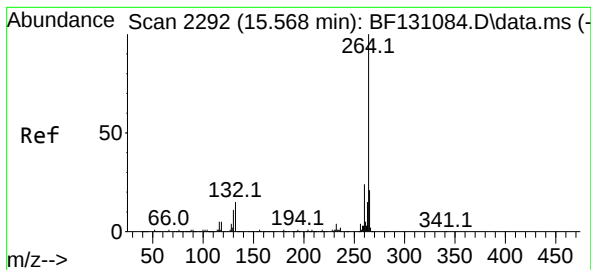
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#83
Chrysene
Concen: 3.744 ng m
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

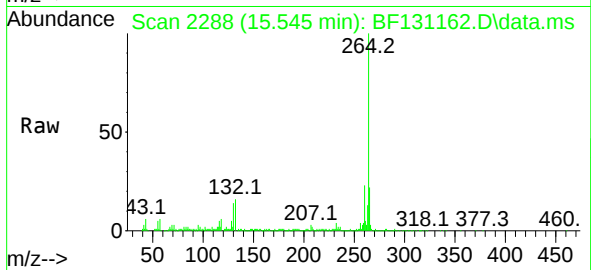
Tgt Ion:228 Resp: 42288
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 21.3 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

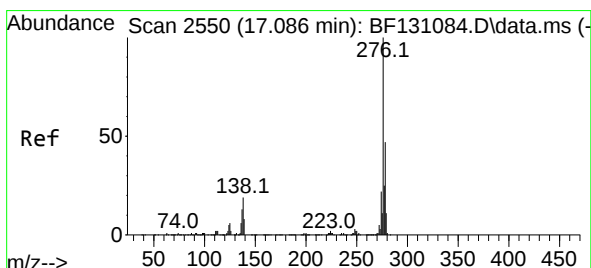
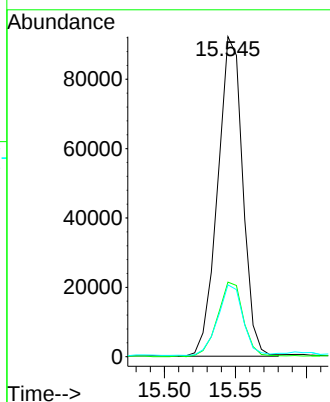
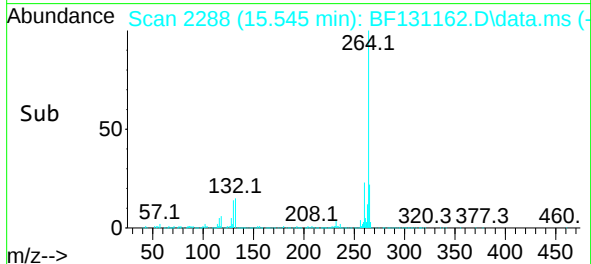
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:264 Resp: 11269
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 22.5 16.7 25.1

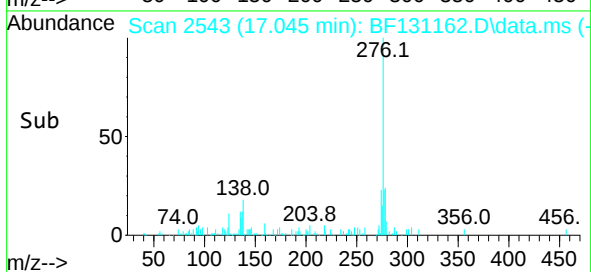
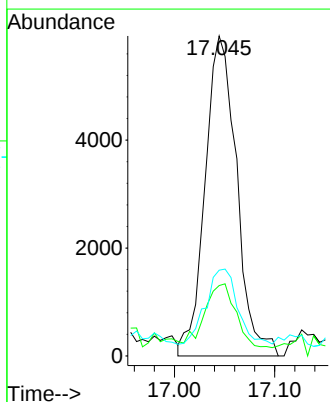
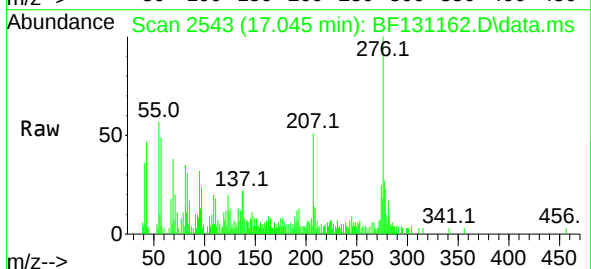
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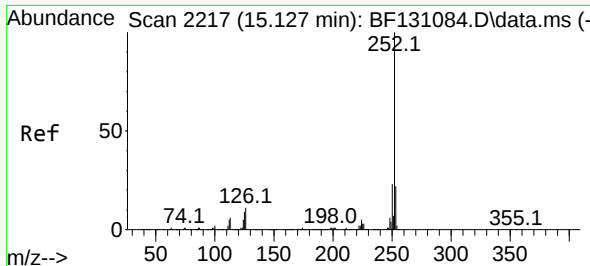
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.157 ng
RT: 17.045 min Scan# 2543
Delta R.T. -0.012 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

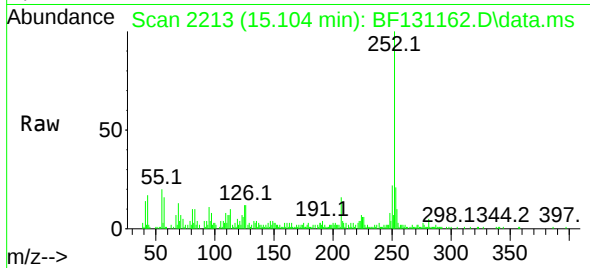
Tgt Ion:276 Resp: 12959
Ion Ratio Lower Upper
276 100
138 19.5 16.9 25.3
277 23.4 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 4.195 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

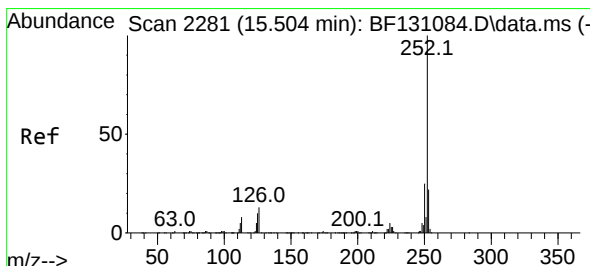
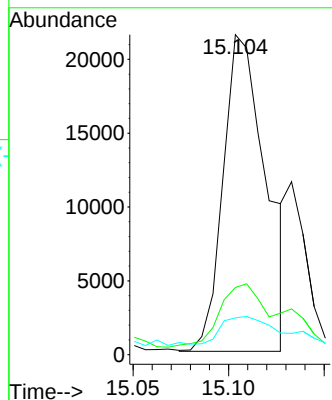
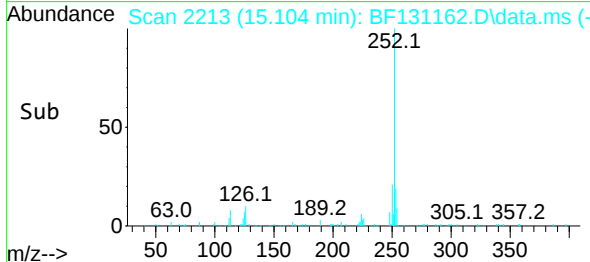
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:252 Resp: 33424
Ion Ratio Lower Upper
252 100
253 21.0 17.3 25.9
125 11.5 7.2 10.8

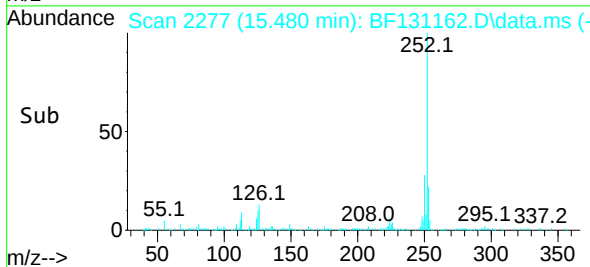
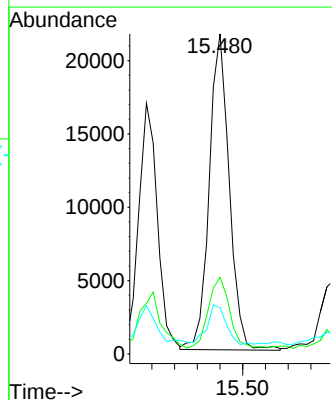
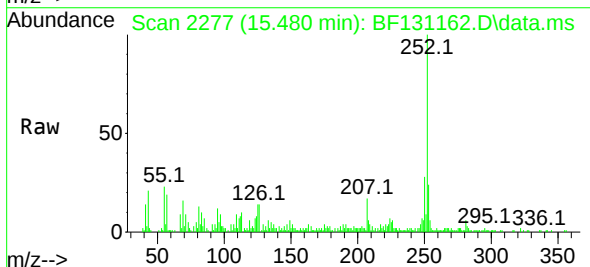
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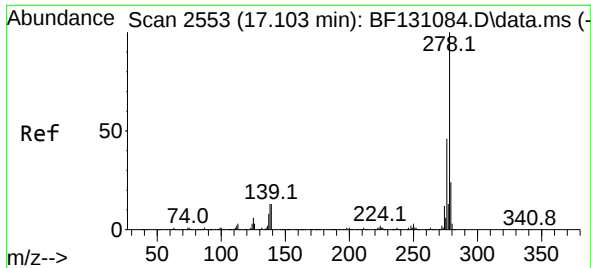
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#90
Benzo(a)pyrene
Concen: 4.120 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

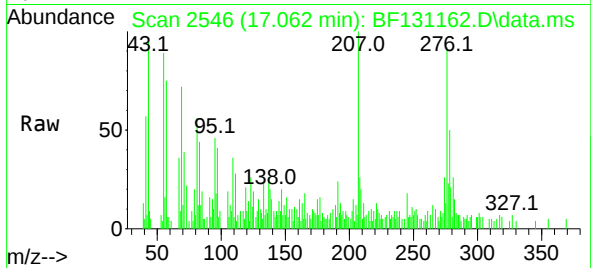
Tgt Ion:252 Resp: 26317
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 14.4 8.1 12.1





#91
Dibenzo(a,h)anthracene
Concen: 4.309 ng
RT: 17.062 min Scan# 2546
Delta R.T. -0.012 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50

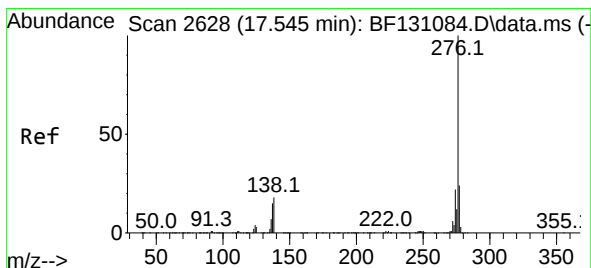
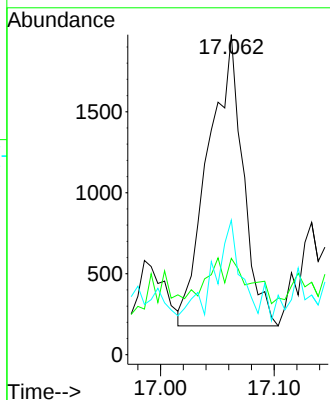
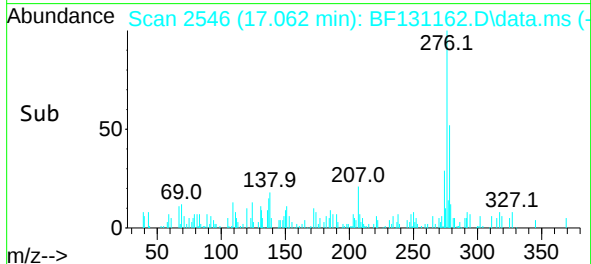
Instrument :
BNA_F
ClientSampleId :
TP-5



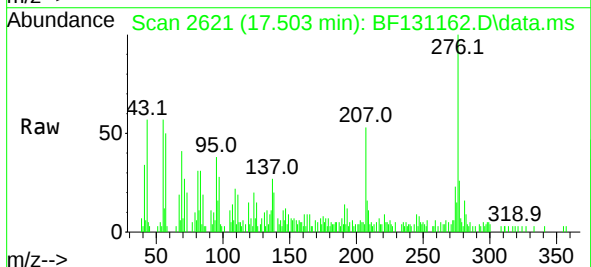
Tgt Ion: 278 Resp: 3810
Ion Ratio Lower Upper
278 100
139 30.1 10.8 16.2
279 42.1 19.2 28.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 5.883 ng
RT: 17.503 min Scan# 2621
Delta R.T. -0.012 min
Lab File: BF131162.D
Acq: 11 Nov 2022 19:50



Tgt Ion: 276 Resp: 13229
Ion Ratio Lower Upper
276 100
277 26.0 19.0 28.4
138 20.0 14.6 21.8

