

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131152.D
 Acq On : 11 Nov 2022 13:30
 Operator : CG\JU
 Sample : N5378-01DL 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-16-20221028-5.0-6.0DL

Quant Time: Nov 11 14:42:25 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	56066	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	183988	20.000	ng	-0.02
39) Acenaphthene-d10	9.922	164	73554	20.000	ng	-0.02
64) Phenanthrene-d10	11.416	188	124070	20.000	ng	-0.01
76) Chrysene-d12	14.069	240	135261	20.000	ng	-0.01
86) Perylene-d12	15.563	264	101183	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	24674	7.484	ng	-0.01
7) Phenol-d6	6.504	99	31871	7.394	ng	-0.02
23) Nitrobenzene-d5	7.440	82	24508	6.010	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	3096	4.073	ng	-0.02
45) 2-Fluorobiphenyl	9.239	172	34079	6.468	ng	-0.02
79) Terphenyl-d14	13.004	244	34109	4.421	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.187	128	66087	6.574	ng	99
52) Acenaphthene	9.957	154	38641	9.186	ng	97
55) Dibenzofuran	10.128	168	29265	4.698	ng	99
58) Fluorene	10.475	166	41160	8.135	ng	97
71) Phenanthrene	11.439	178	271306	39.759	ng	98
72) Anthracene	11.492	178	91431	13.806	ng	99
73) Carbazole	11.651	167	41435	7.035	ng	98
75) Fluoranthene	12.639	202	373568	54.691	ng	99
78) Pyrene	12.869	202	319479	27.530	ng	100
80) Butylbenzylphthalate	13.480	149	14026	3.376	ng	98
81) Benzo(a)anthracene	14.057	228	198169	20.497	ng	98
83) Chrysene	14.092	228	157237	17.221	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	39905	8.897	ng	97
87) Indeno(1,2,3-cd)pyrene	17.068	276	48094	9.206	ng	96
88) Benzo(b)fluoranthene	15.121	252	157573m	22.027	ng	
89) Benzo(k)fluoranthene	15.145	252	56418m	8.205	ng	
90) Benzo(a)pyrene	15.498	252	111521	19.445	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	12508	5.554	ng	# 91
92) Benzo(g,h,i)perylene	17.521	276	43369	9.906	ng	95

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

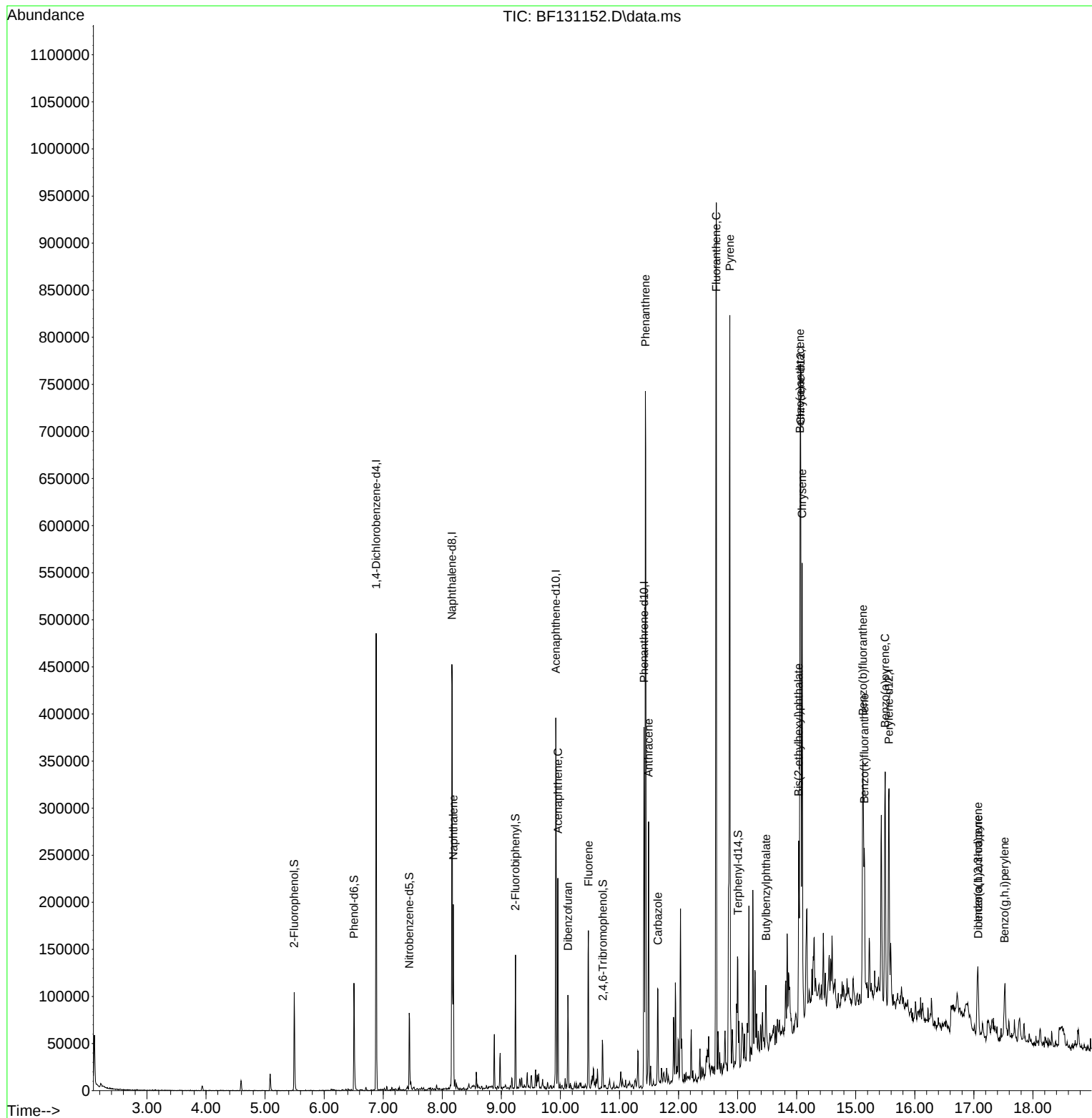
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131152.D
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ALS Vial : 7 Sample Multiplier: 1

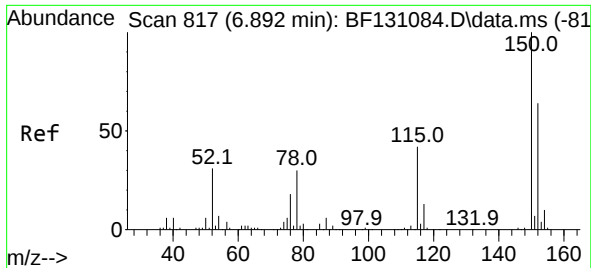
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

Quant Time: Nov 11 14:42:25 2022
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 10 04:15:17 2022
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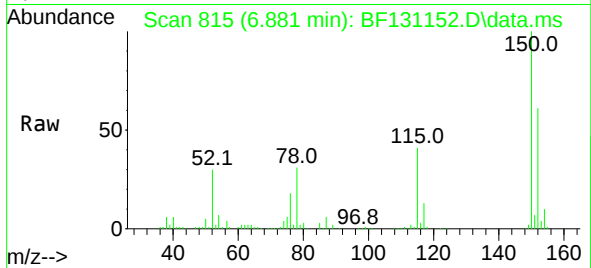
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 81
 Delta R.T. -0.011 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30

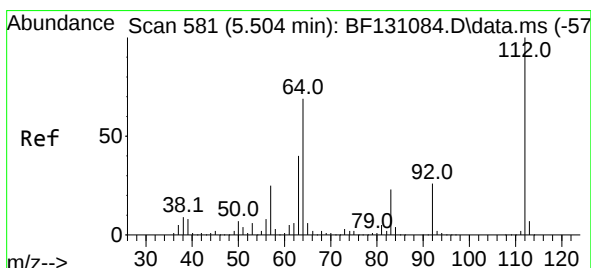
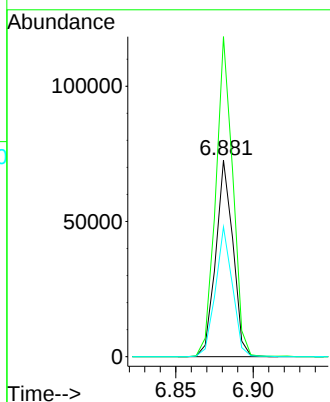
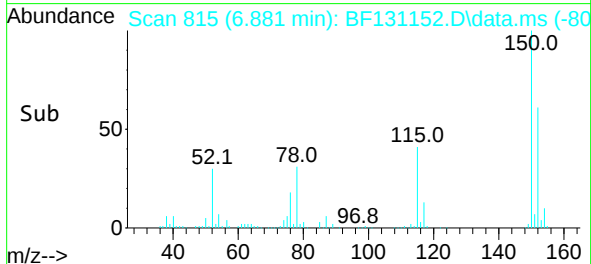
Instrument :
 BNA_F
 ClientSampleId :
 SB-16-20221028-5.0-6.0DL



Tgt Ion:152 Resp: 5606
 Ion Ratio Lower Upper
 152 100
 150 162.9 125.5 188.3
 115 66.0 52.2 78.2

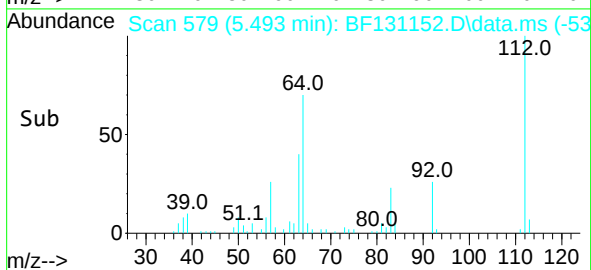
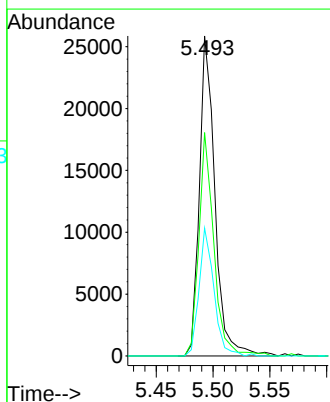
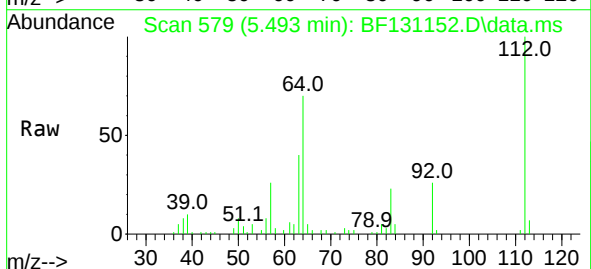
Manual Integrations
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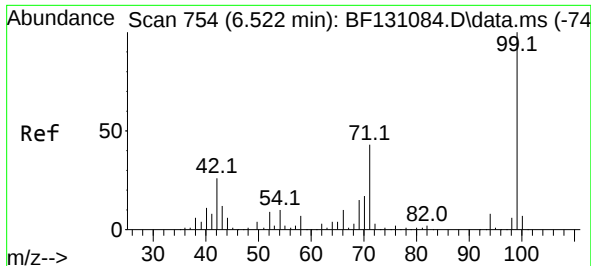
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022



#5
 2-Fluorophenol
 Concen: 7.484 ng
 RT: 5.493 min Scan# 579
 Delta R.T. -0.011 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30

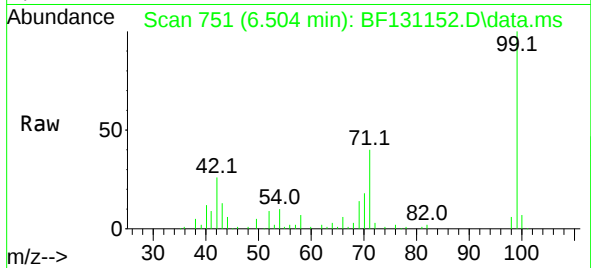
Tgt Ion:112 Resp: 24674
 Ion Ratio Lower Upper
 112 100
 64 69.8 55.1 82.7
 63 39.9 32.4 48.6





#7
Phenol-d6
Concen: 7.394 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

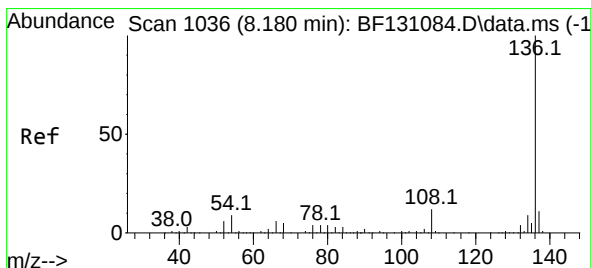
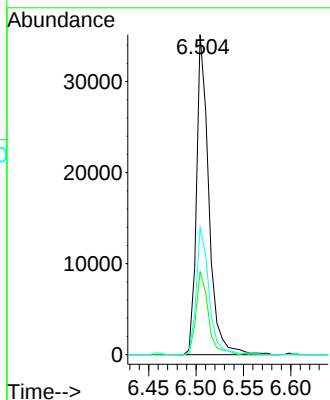
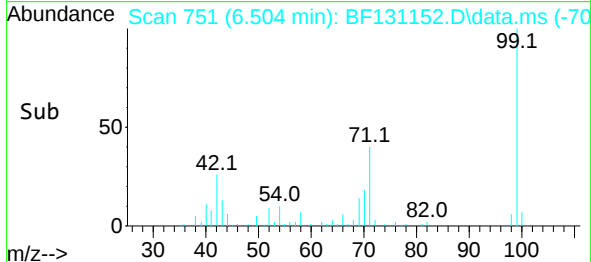
Instrument :
BNA_F
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SB-16-20221028-5.0-6.0DL



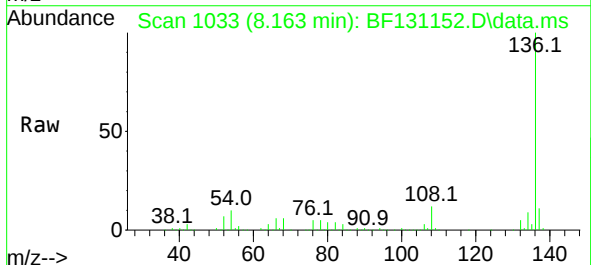
Tgt Ion: 99 Resp: 3187
Ion Ratio Lower Upper
99 100
42 25.9 20.8 31.2
71 39.7 34.2 51.4

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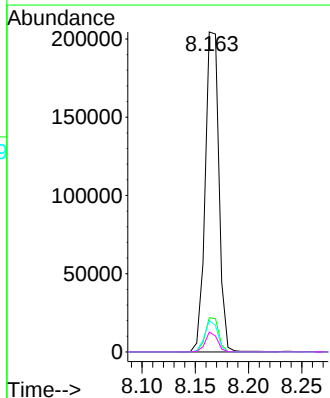
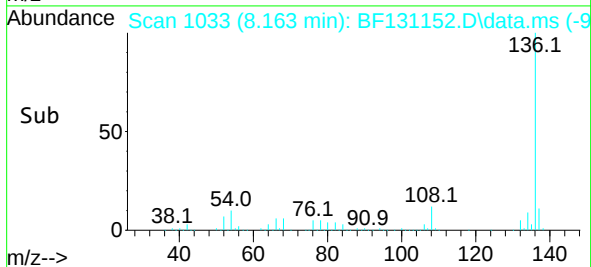
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

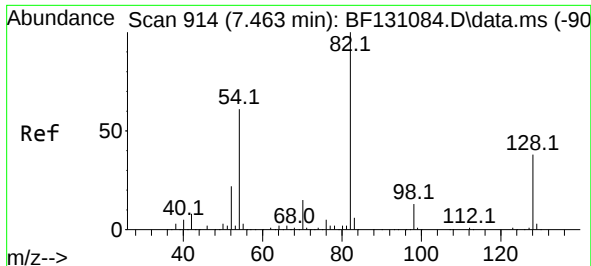


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30



Tgt Ion:136 Resp: 183988
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.8 7.2 10.8
68 6.2 4.2 6.4





#23

Nitrobenzene-d5

Concen: 6.010 ng

RT: 7.440 min Scan# 914

Delta R.T. -0.023 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

Instrument :

BNA_F

ClientSampleId :

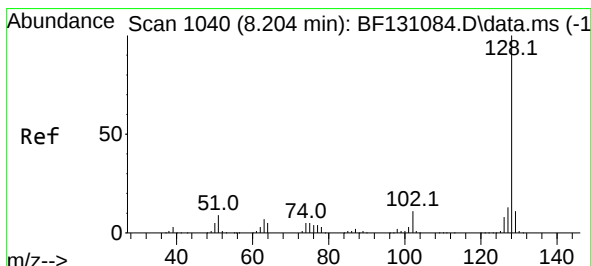
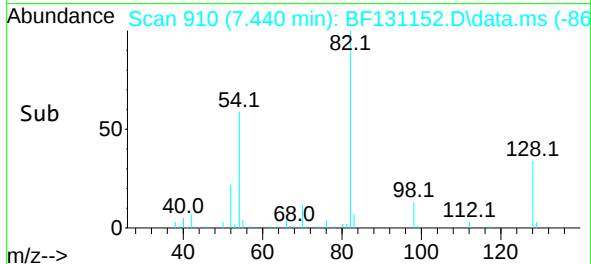
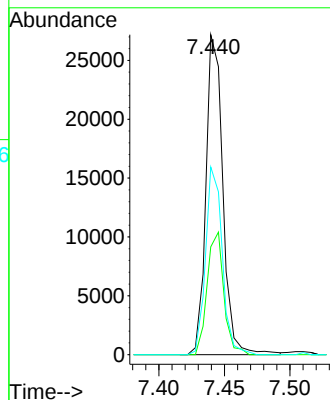
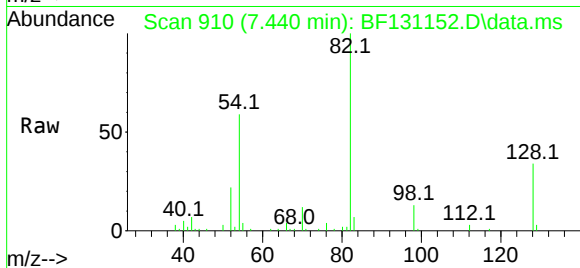
SB-16-20221028-5.0-6.0DL

Tgt Ion: 82 Resp: 24508

Ion	Ratio	Lower	Upper
82	100		
128	33.7	30.5	45.7
54	58.6	49.1	73.7

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Supervised By :Jagrut Upadhyay 11/12/2022



#31

Naphthalene

Concen: 6.574 ng

RT: 8.187 min Scan# 1037

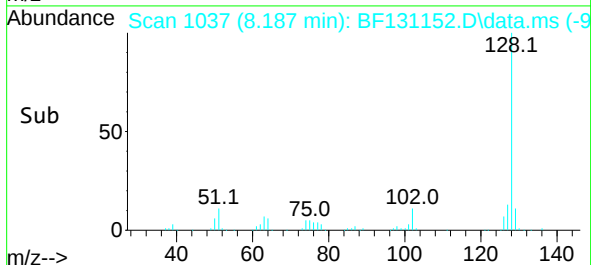
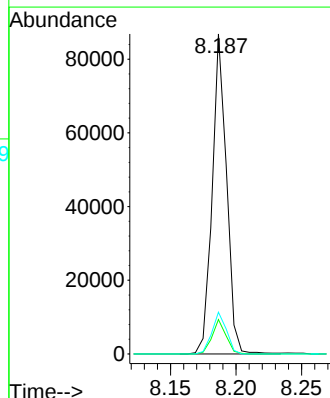
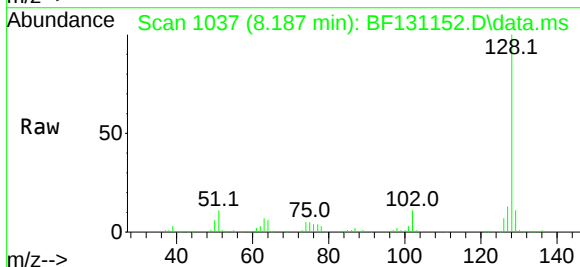
Delta R.T. -0.017 min

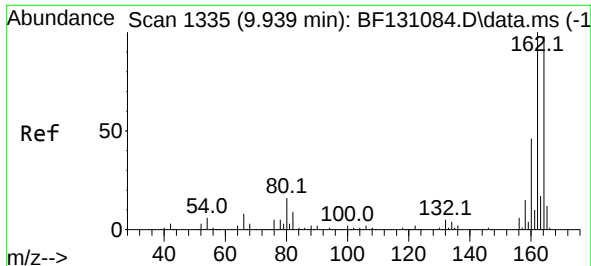
Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

Tgt Ion:128 Resp: 66087

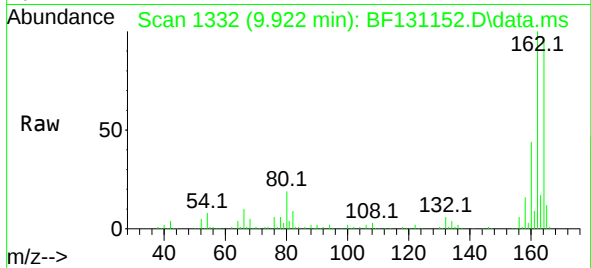
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.0	10.8	16.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

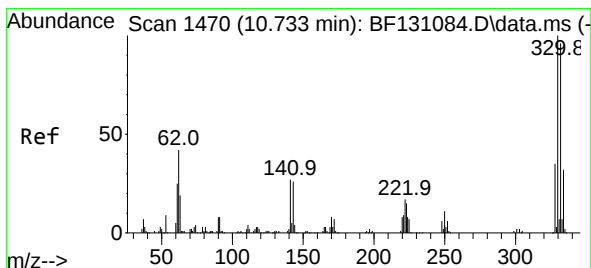
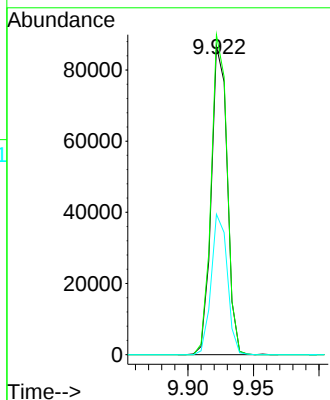
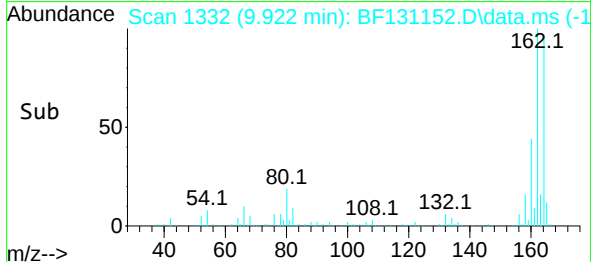
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL



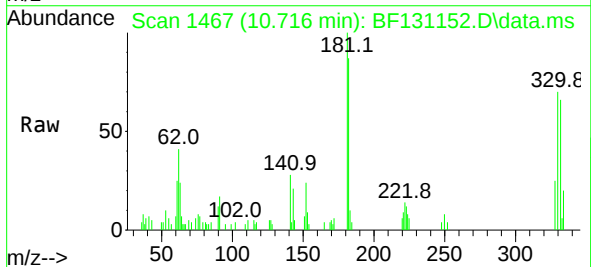
Tgt Ion:164 Resp: 73554
Ion Ratio Lower Upper
164 100
162 103.7 81.7 122.5
160 45.5 37.4 56.2

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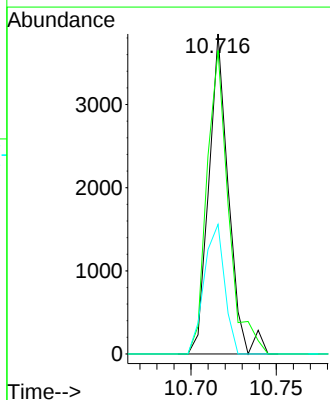
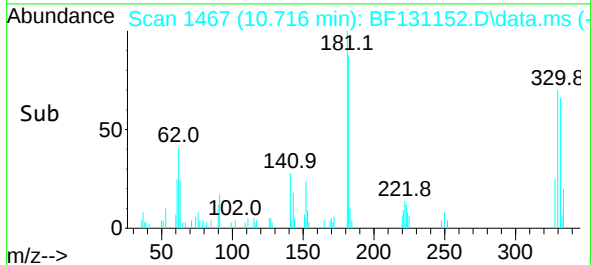
Reviewed By :Christian Giraldo 11/12/2022
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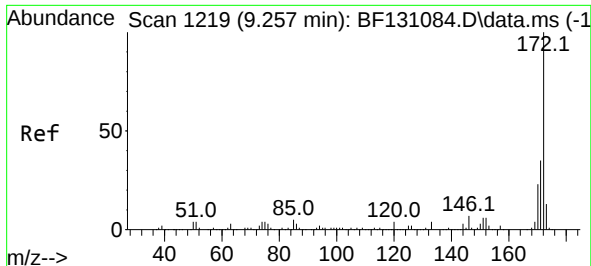


#42
2,4,6-Tribromophenol
Concen: 4.073 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30



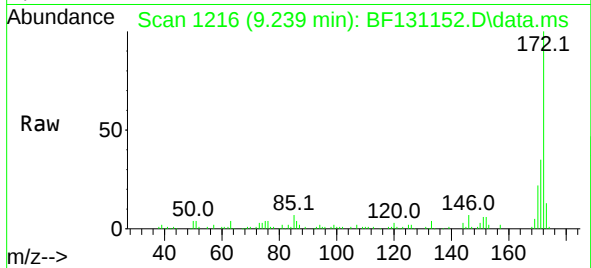
Tgt Ion:330 Resp: 3096
Ion Ratio Lower Upper
330 100
332 103.5 77.0 115.4
141 41.9 28.5 42.7





#45
2-Fluorobiphenyl
Concen: 6.468 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

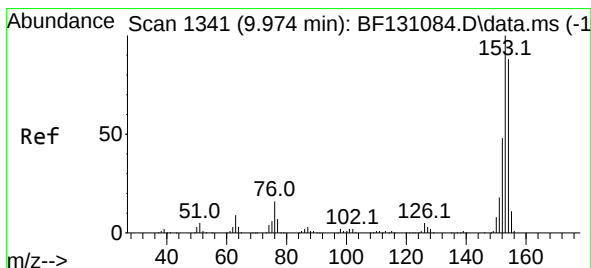
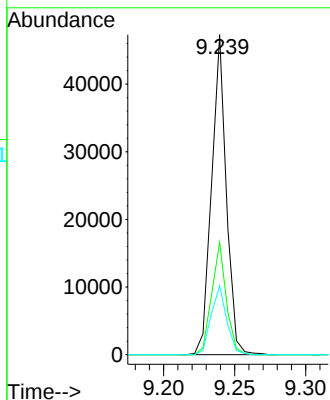
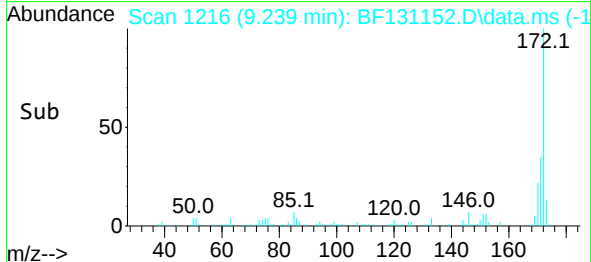
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL



Tgt Ion:172 Resp: 34079
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 21.6 18.8 28.2

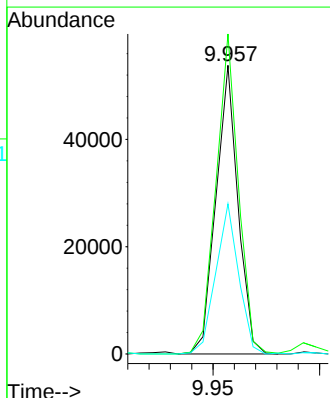
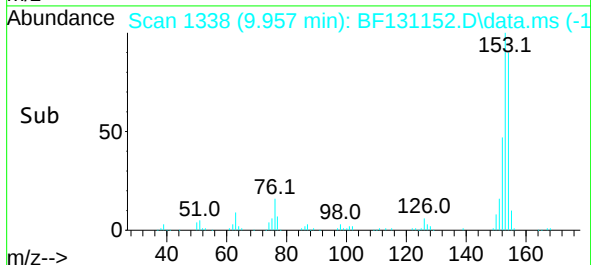
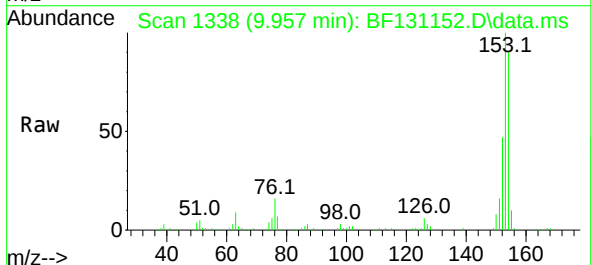
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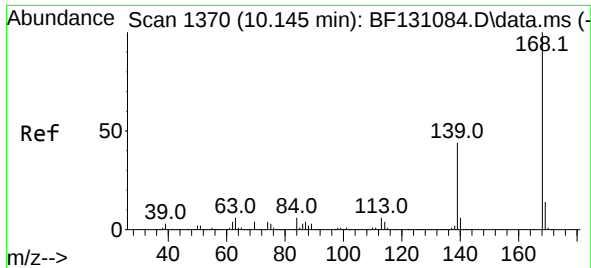
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#52
Acenaphthene
Concen: 9.186 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

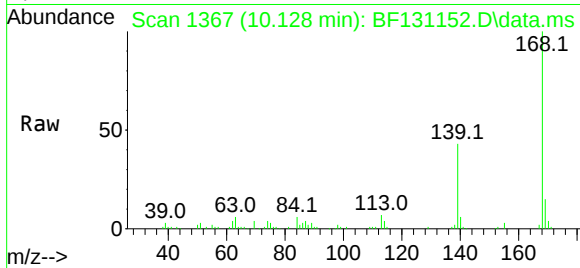
Tgt Ion:154 Resp: 38641
Ion Ratio Lower Upper
154 100
153 110.9 90.8 136.2
152 52.0 43.4 65.2





#55
Dibenzenofuran
Concen: 4.698 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

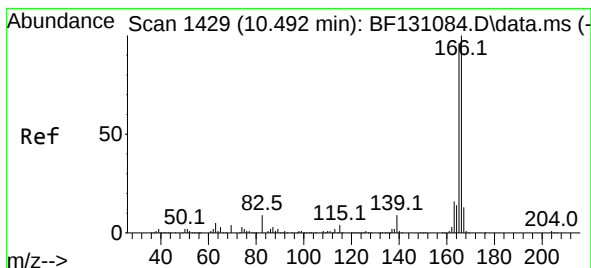
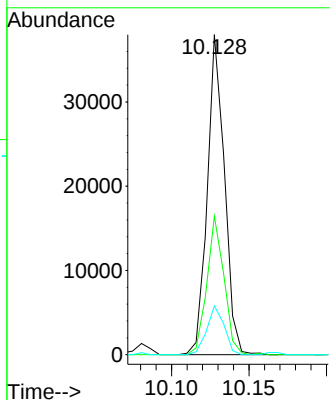
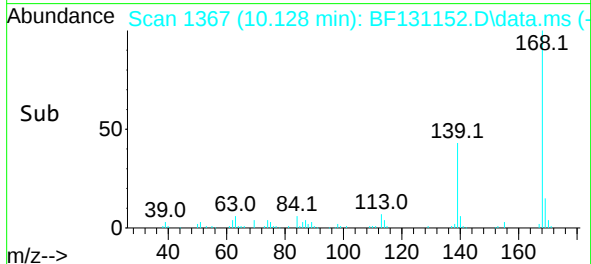
Instrument :
BNA_F
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SB-16-20221028-5.0-6.0DL



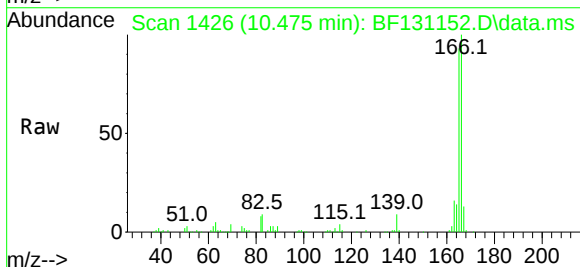
Tgt Ion:168 Resp: 2926
Ion Ratio Lower Upper
168 100
139 43.3 35.0 52.4
169 15.3 11.2 16.8

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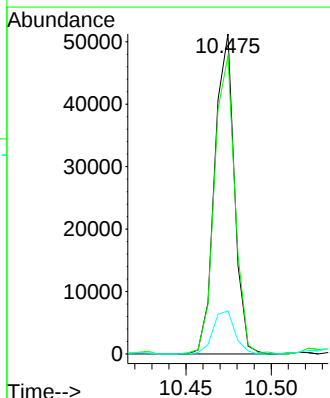
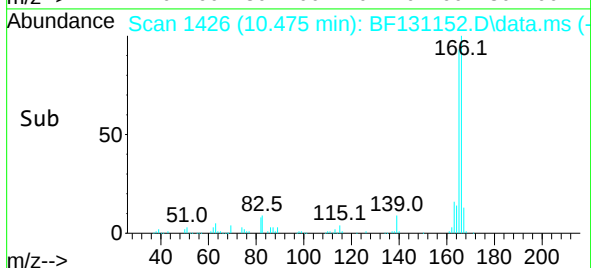
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

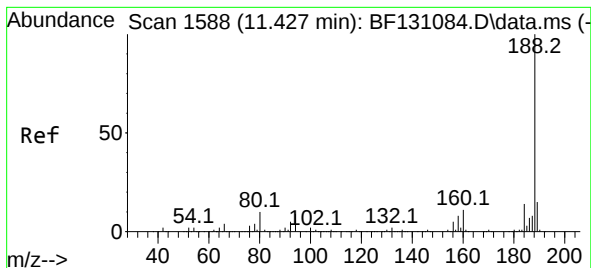


#58
Fluorene
Concen: 8.135 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.017 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30



Tgt Ion:166 Resp: 41160
Ion Ratio Lower Upper
166 100
165 93.1 77.2 115.8
167 13.5 10.2 15.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF131152.D

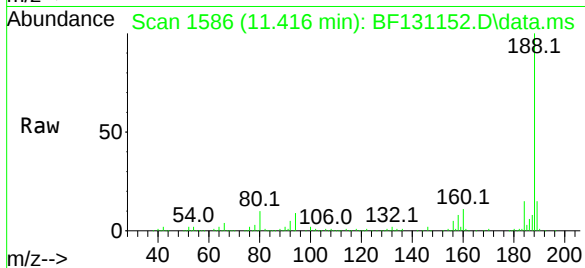
Acq: 11 Nov 2022 13:30

Instrument :

BNA_F

ClientSampleId :

SB-16-20221028-5.0-6.0DL



Tgt Ion:188 Resp: 124070

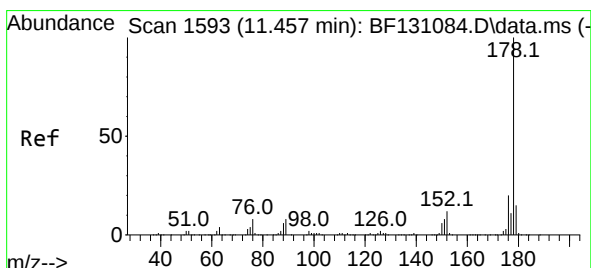
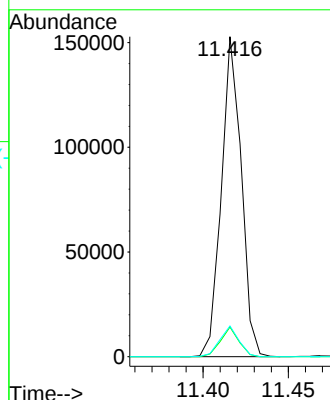
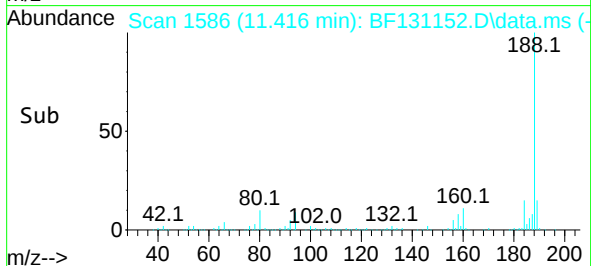
Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.0	10.6
80	9.6	7.9	11.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/12/2022



#71

Phenanthrene

Concen: 39.759 ng

RT: 11.439 min Scan# 1590

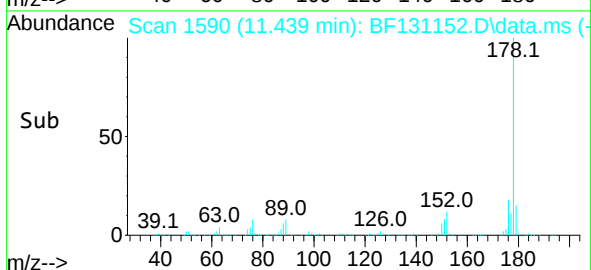
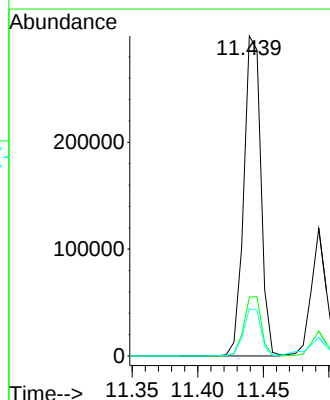
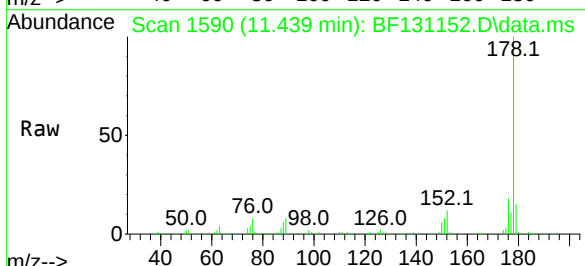
Delta R.T. -0.017 min

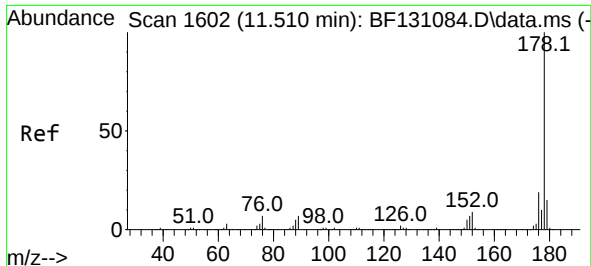
Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

Tgt Ion:178 Resp: 271306

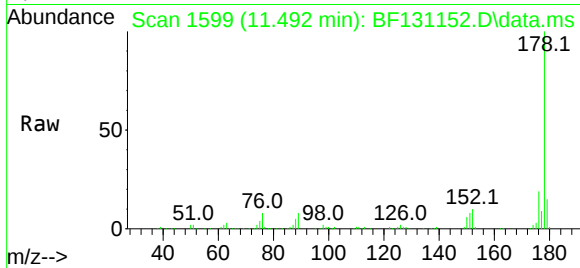
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	14.8	12.2	18.2





#72
 Anthracene
 Concen: 13.806 ng
 RT: 11.492 min Scan# 1143
 Delta R.T. -0.017 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30

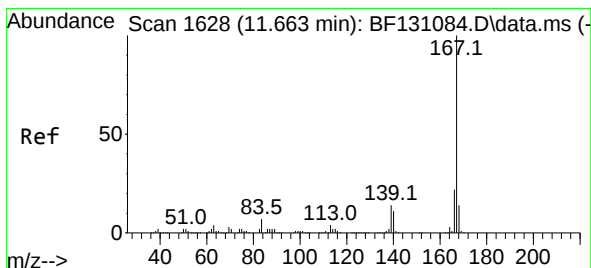
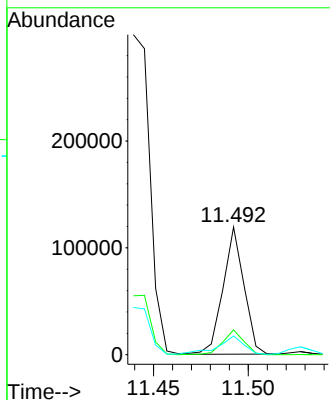
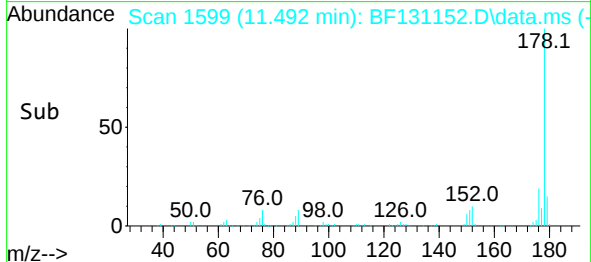
Instrument :
 BNA_F
 ClientSampleId :
 SB-16-20221028-5.0-6.0DL



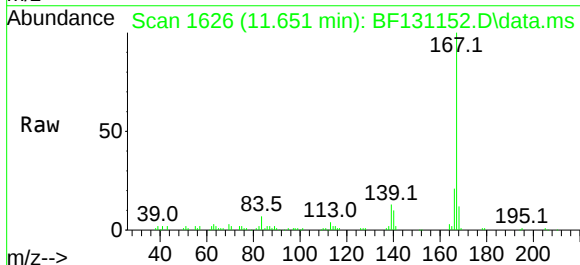
Tgt Ion:178 Resp: 9143
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.0 22.6
 179 14.7 11.8 17.8

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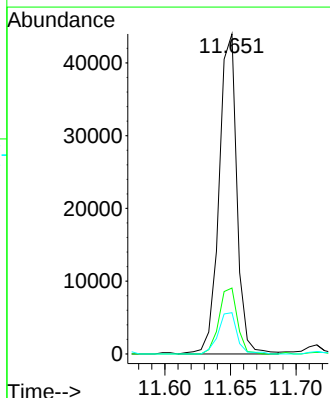
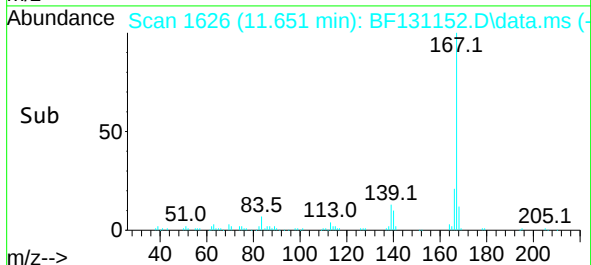
Reviewed By :Christian Giraldo 11/12/2022
 Supervised By :Jagrut Upadhyay 11/12/2022

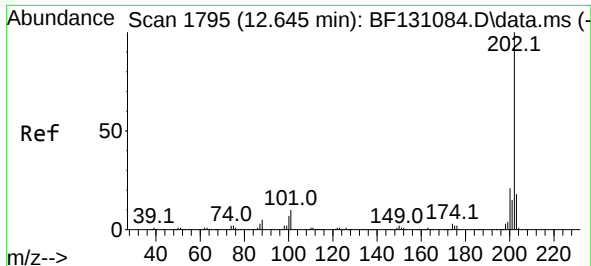


#73
 Carbazole
 Concen: 7.035 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.012 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30



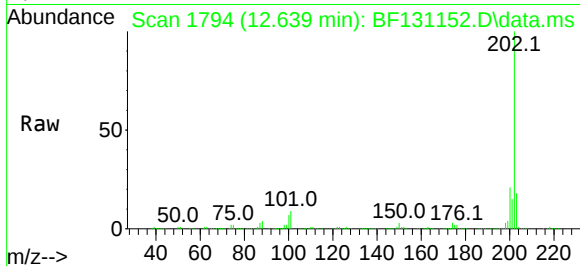
Tgt Ion:167 Resp: 41435
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.6 26.4
 139 12.9 10.8 16.2





#75
Fluoranthene
Concen: 54.691 ng
RT: 12.639 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

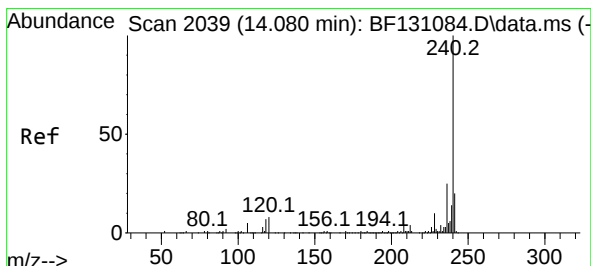
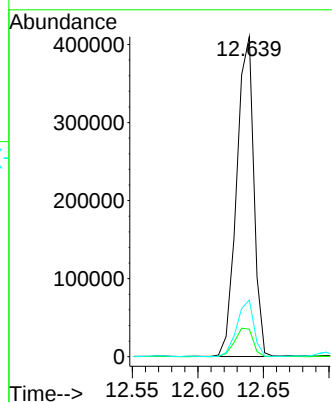
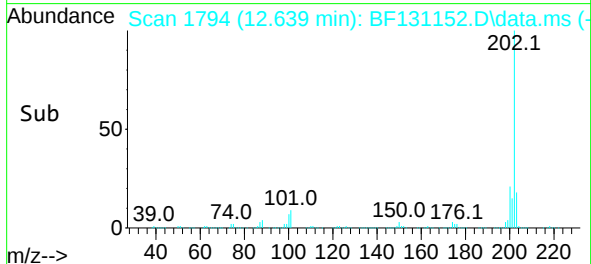
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL



Tgt Ion:202 Resp: 37356
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.0
203 17.7 0.0 37.7

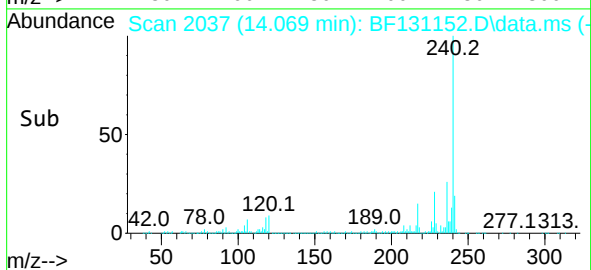
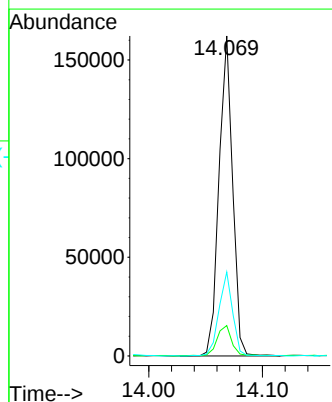
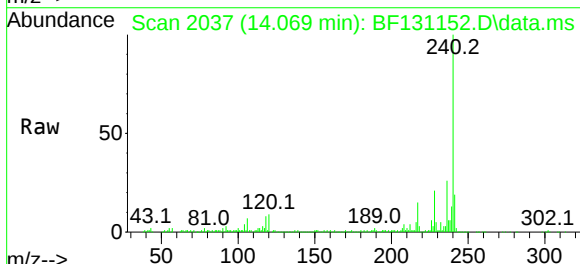
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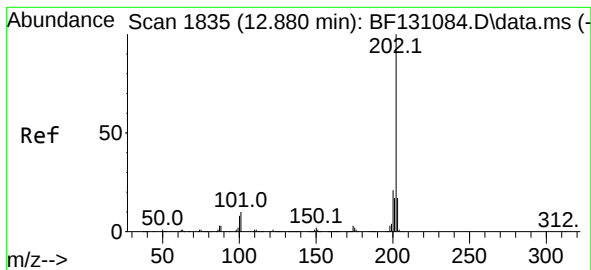
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2037
Delta R.T. -0.011 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:240 Resp: 135261
Ion Ratio Lower Upper
240 100
120 9.5 6.5 9.7
236 26.2 19.7 29.5





#78

Pyrene

Concen: 27.530 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

Instrument :

BNA_F

ClientSampleId :

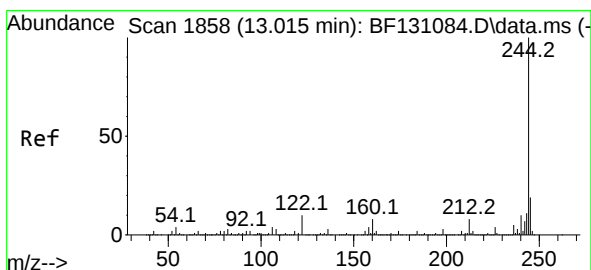
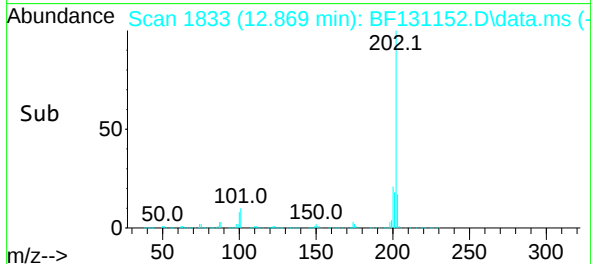
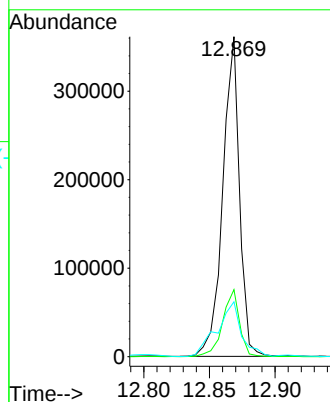
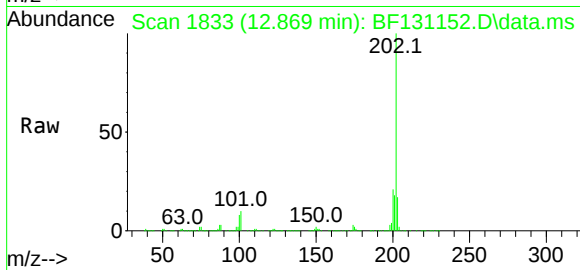
SB-16-20221028-5.0-6.0DL

Tgt Ion:202 Resp: 319479
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.8 25.2
 203 17.2 13.6 20.4

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



#79

Terphenyl-d14

Concen: 4.421 ng

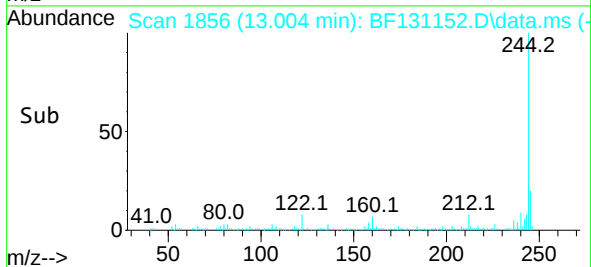
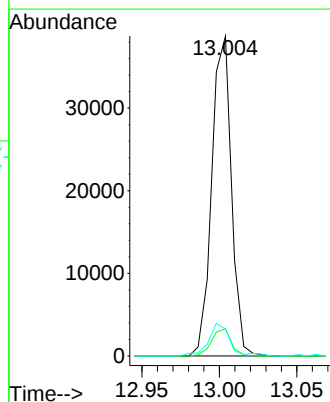
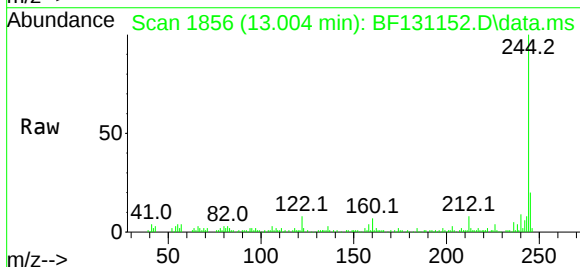
RT: 13.004 min Scan# 1856

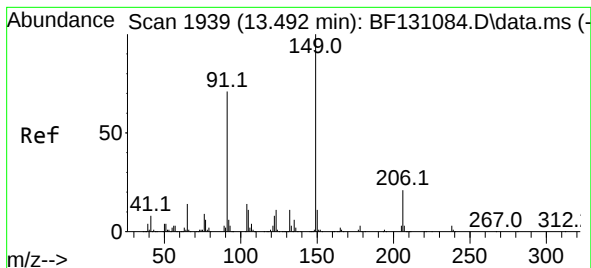
Delta R.T. -0.011 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

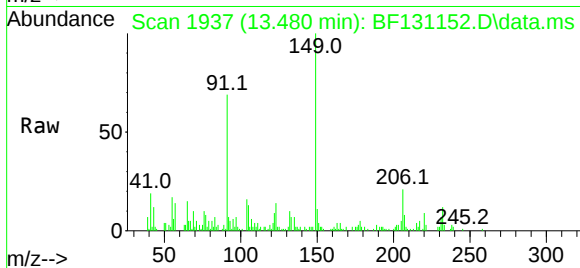
Tgt Ion:244 Resp: 34109
 Ion Ratio Lower Upper
 244 100
 212 8.5 6.2 9.2
 122 8.4 7.8 11.8





#80
Butylbenzylphthalate
Concen: 3.376 ng
RT: 13.480 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

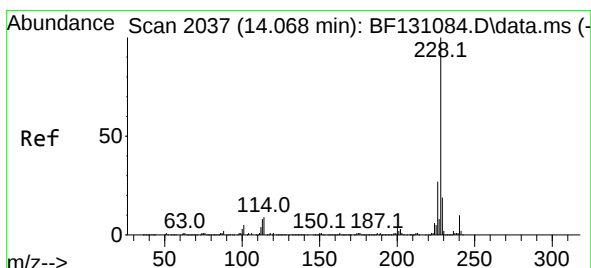
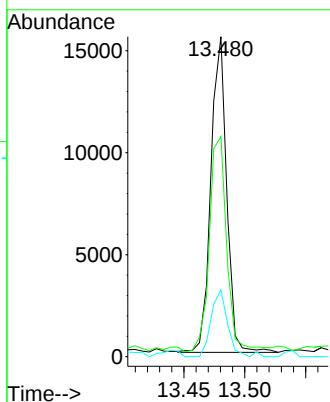
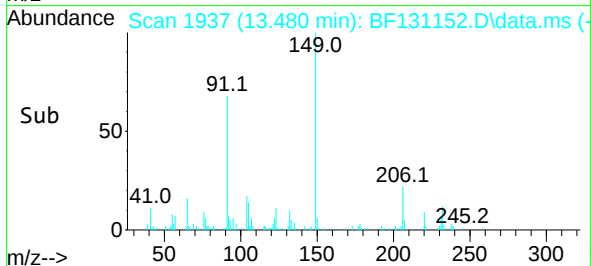
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL



Tgt Ion:149 Resp: 14020
Ion Ratio Lower Upper
149 100
91 68.8 56.4 84.6
206 20.9 17.1 25.7

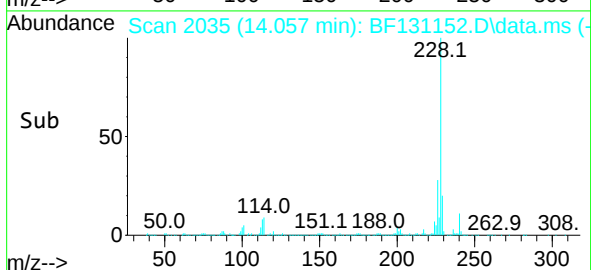
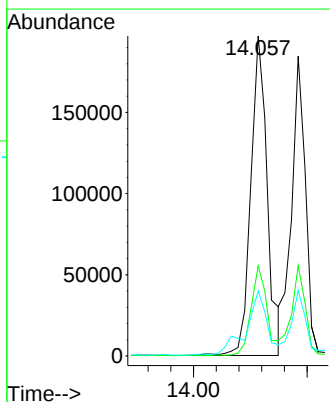
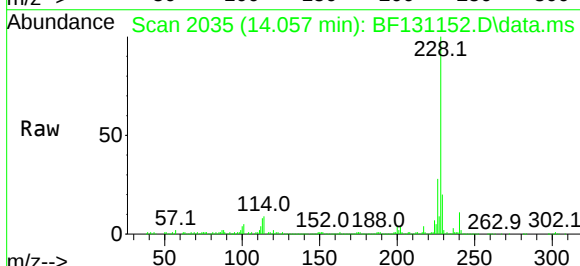
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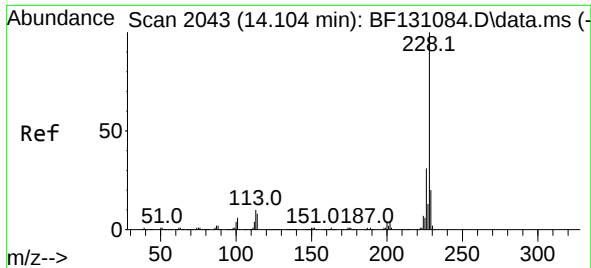
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#81
Benzo(a)anthracene
Concen: 20.497 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Tgt Ion:228 Resp: 198169
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.6
229 20.3 15.4 23.2





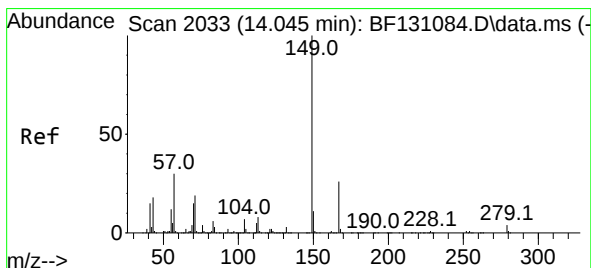
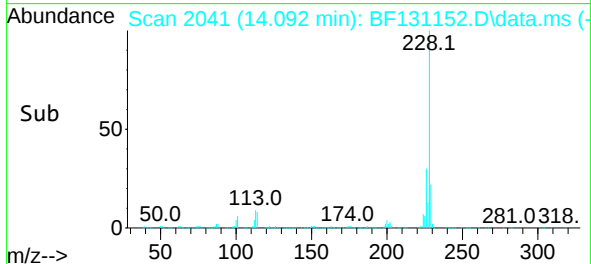
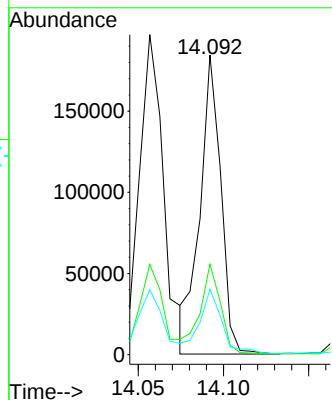
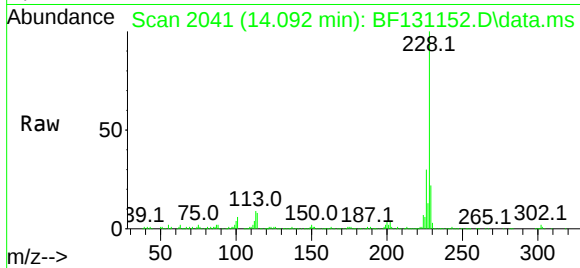
#83
Chrysene
Concen: 17.221 ng
RT: 14.092 min Scan# 2043
Delta R.T. -0.012 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL

Tgt Ion:228 Resp: 15723
Ion Ratio Lower Upper
228 100
226 30.2 24.4 36.6
229 21.9 15.8 23.6

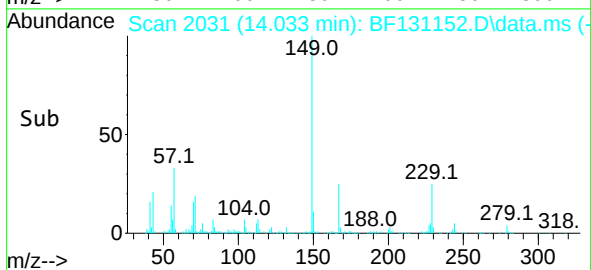
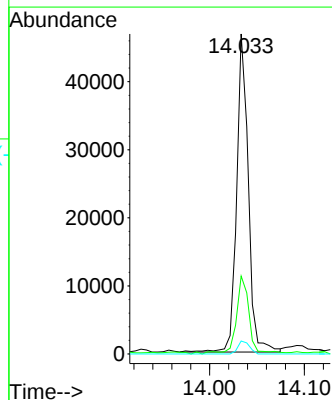
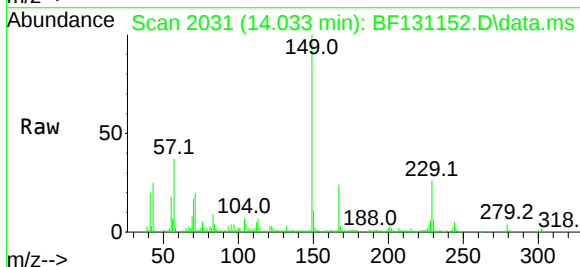
Manual Integrations
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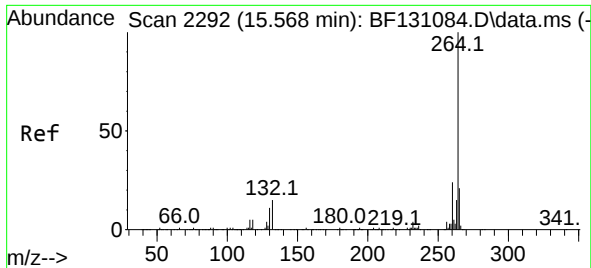
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.897 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

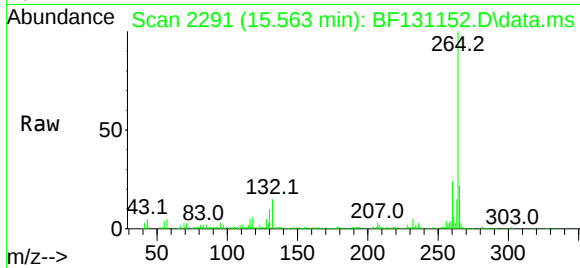
Tgt Ion:149 Resp: 39905
Ion Ratio Lower Upper
149 100
167 24.4 20.8 31.2
279 4.1 3.4 5.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

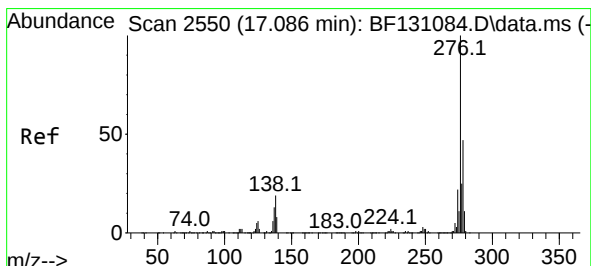
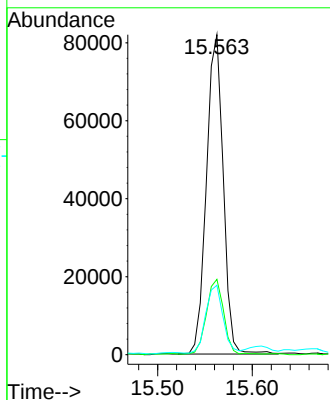
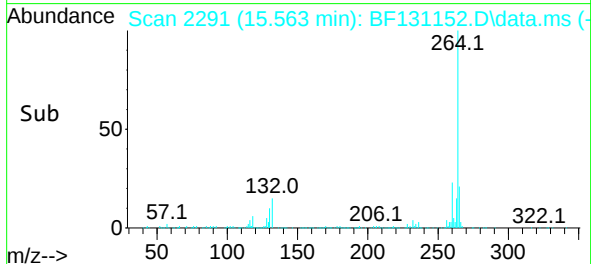
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL



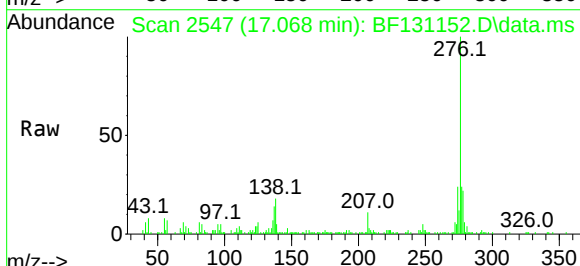
Tgt Ion:264 Resp: 10118
Ion Ratio Lower Upper
264 100
260 23.6 19.1 28.7
265 21.7 16.7 25.1

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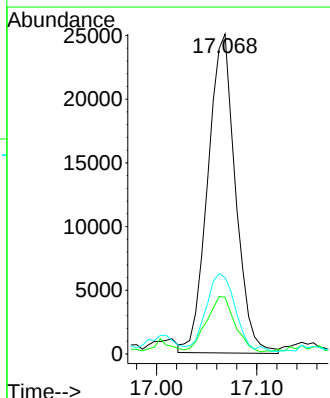
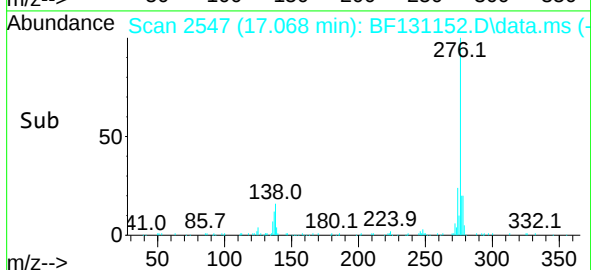
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

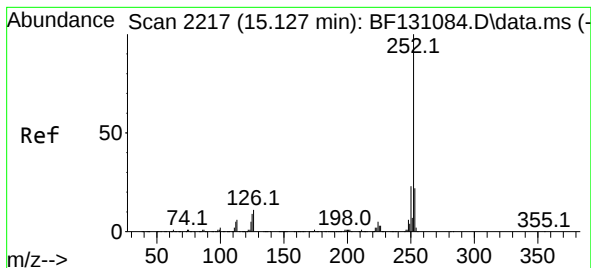


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.206 ng
RT: 17.068 min Scan# 2547
Delta R.T. -0.018 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30



Tgt Ion:276 Resp: 48094
Ion Ratio Lower Upper
276 100
138 17.7 16.9 25.3
277 25.9 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 22.027 ng m

RT: 15.121 min Scan# 211

Delta R.T. -0.006 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

Instrument :

BNA_F

ClientSampleId :

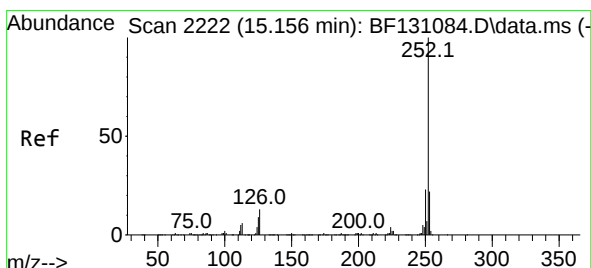
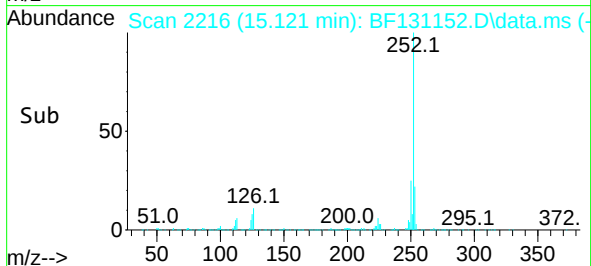
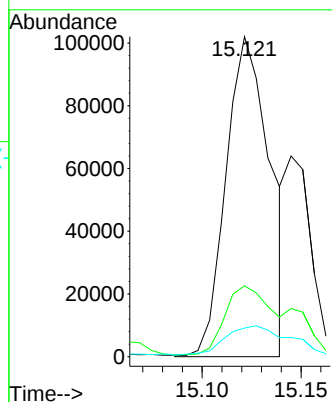
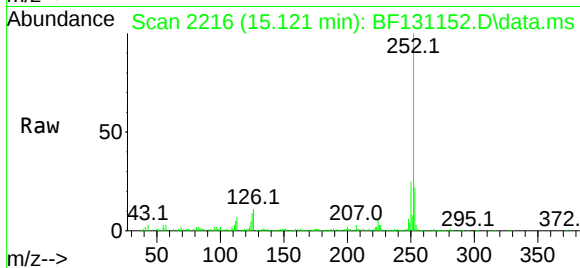
SB-16-20221028-5.0-6.0DL

Tgt Ion:252 Resp: 15757
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.3 25.9
 125 8.9 7.2 10.8

Manual Integrations

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



#89

Benzo(k)fluoranthene

Concen: 8.205 ng m

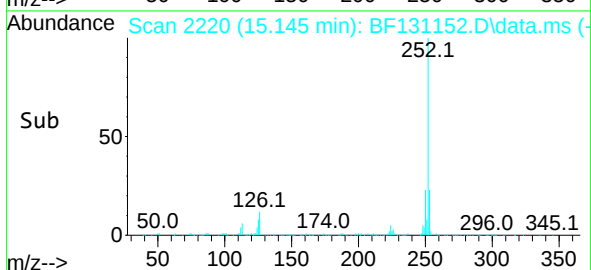
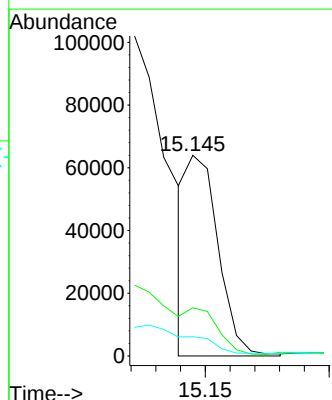
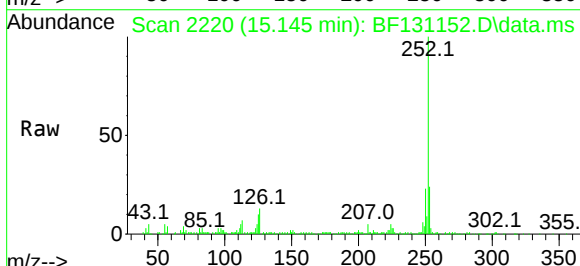
RT: 15.145 min Scan# 2220

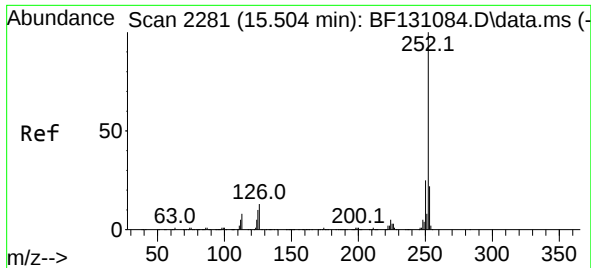
Delta R.T. -0.011 min

Lab File: BF131152.D

Acq: 11 Nov 2022 13:30

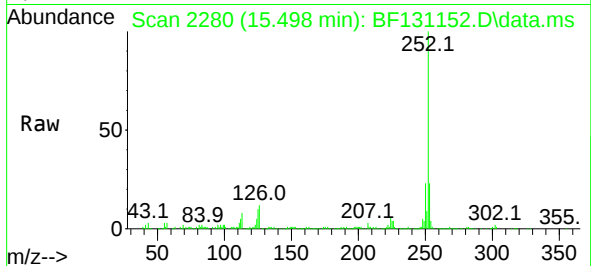
Tgt Ion:252 Resp: 56418
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.6 26.4
 125 9.6 7.5 11.3





#90
Benzo(a)pyrene
Concen: 19.445 ng
RT: 15.498 min Scan# 21152
Delta R.T. -0.006 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

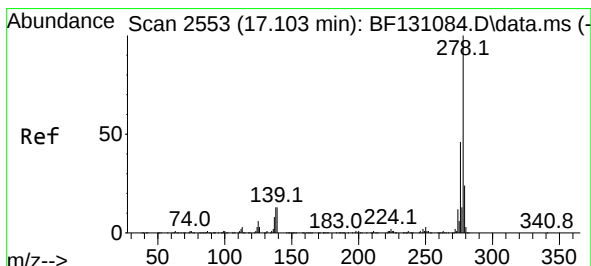
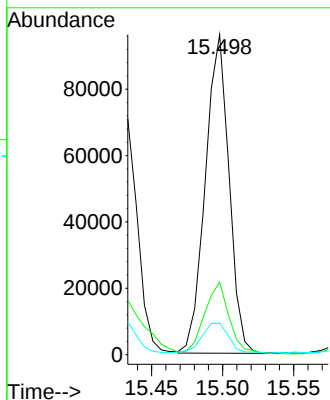
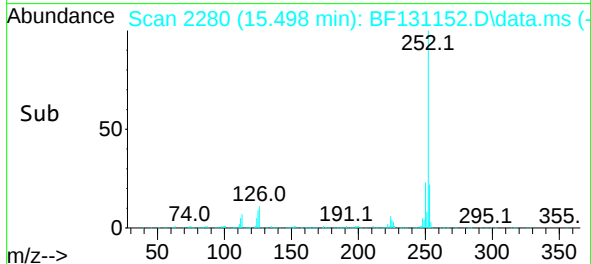
Instrument :
BNA_F
ClientSampleId :
SB-16-20221028-5.0-6.0DL



Tgt Ion:252 Resp: 11152
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 9.9 8.1 12.1

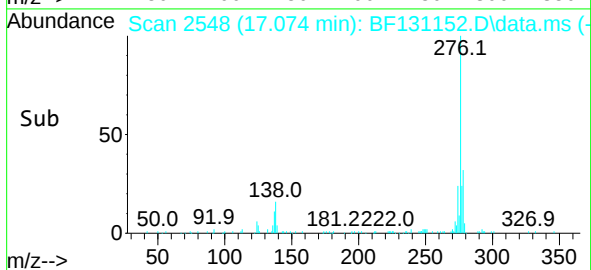
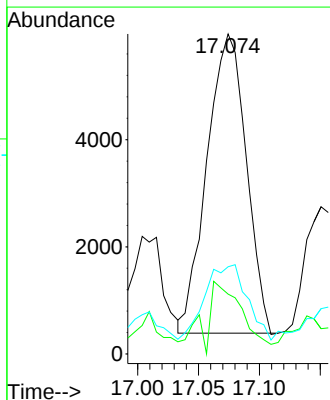
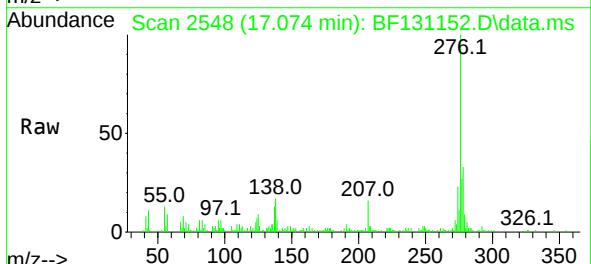
Manual Integrations
APPROVED

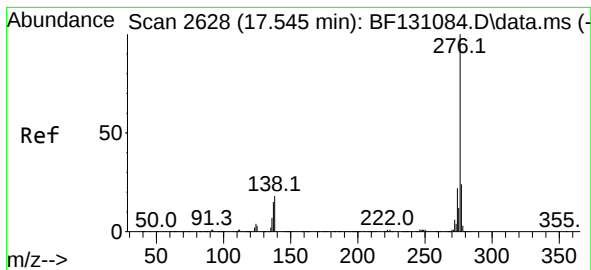
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#91
Dibenzo(a,h)anthracene
Concen: 5.554 ng
RT: 17.074 min Scan# 2548
Delta R.T. -0.029 min
Lab File: BF131152.D
Acq: 11 Nov 2022 13:30

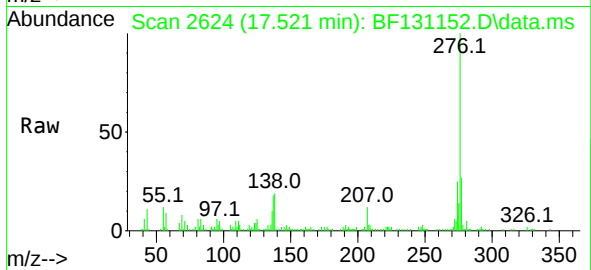
Tgt Ion:278 Resp: 12508
Ion Ratio Lower Upper
278 100
139 18.7 10.8 16.2#
279 27.3 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 9.906 ng
 RT: 17.521 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF131152.D
 Acq: 11 Nov 2022 13:30

Instrument : BNA_F
 ClientSampleId : SB-16-20221028-5.0-6.0DL



Tgt Ion: 276 Resp: 43369

Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.0	28.4
138	19.0	14.6	21.8

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