

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
 Data File : BF131138.D
 Acq On : 10 Nov 2022 23:13
 Operator : CG\JU
 Sample : N5494-19
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 00:52:29 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	64027	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	212561	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	86198	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	141304	20.000	ng	0.00
76) Chrysene-d12	14.074	240	157162	20.000	ng	0.00
86) Perylene-d12	15.568	264	107839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	342098	90.864	ng	0.00
7) Phenol-d6	6.516	99	458300	93.109	ng	0.00
23) Nitrobenzene-d5	7.451	82	293155	62.226	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	67379	75.636	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	401294	64.990	ng	0.00
79) Terphenyl-d14	13.010	244	400445	44.674	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.639	202	52080	6.695	ng	99
78) Pyrene	12.868	202	90844	6.737	ng	99
81) Benzo(a)anthracene	14.062	228	71114	6.331	ng	99
83) Chrysene	14.098	228	66843	6.301	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	25516	6.524	ng	# 91
88) Benzo(b)fluoranthene	15.127	252	60280m	7.906	ng	
90) Benzo(a)pyrene	15.504	252	44936	7.351	ng	97
91) Dibenzo(a,h)anthracene	17.086	278	7454	4.798	ng	# 90
92) Benzo(g,h,i)perylene	17.539	276	28659	7.801	ng	96

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

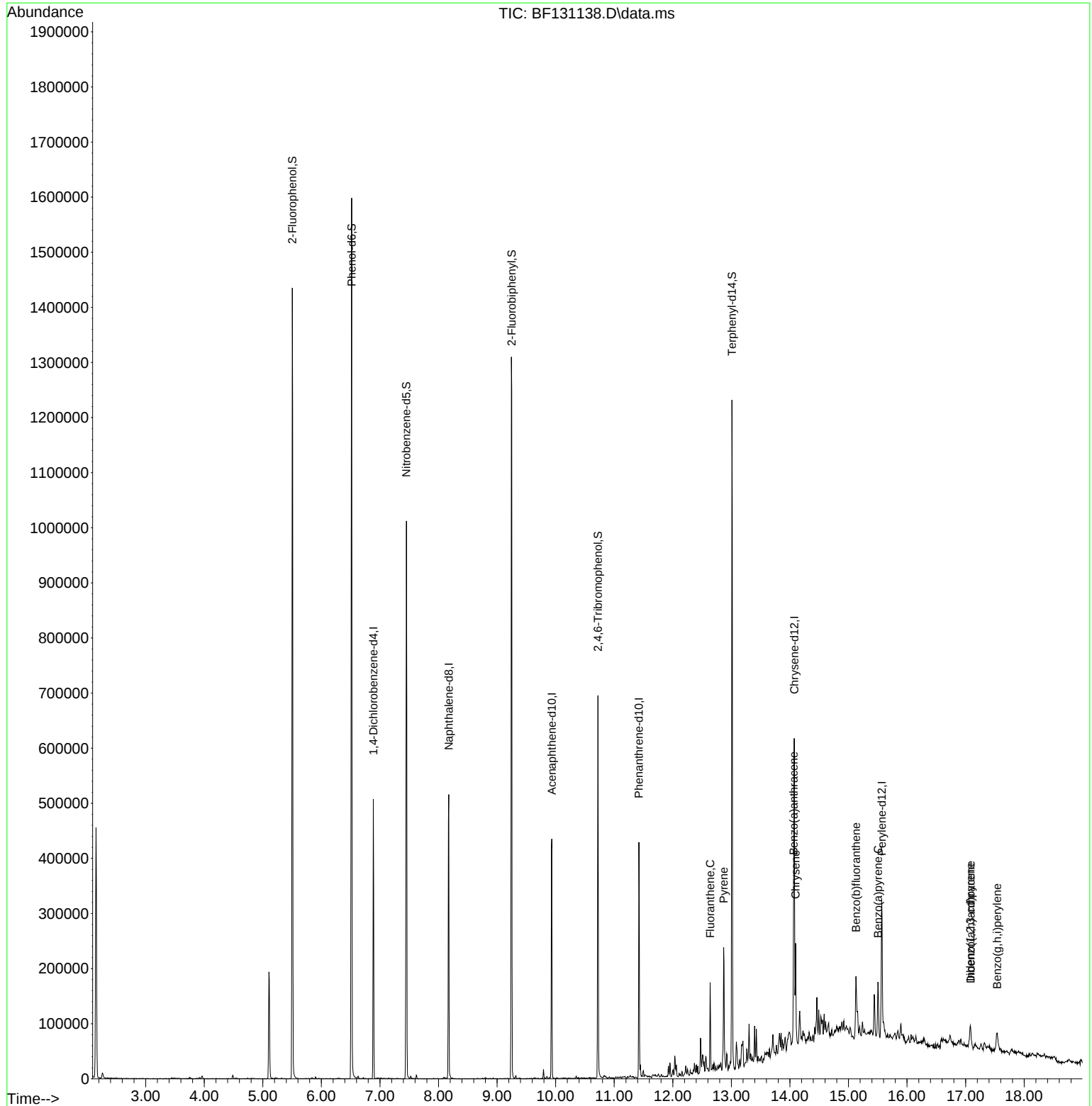
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131138.D
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ALS Vial : 15 Sample Multiplier: 1

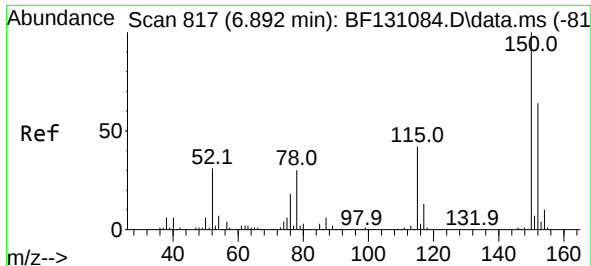
Instrument :
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SB-21

Quant Time: Nov 11 00:52:29 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
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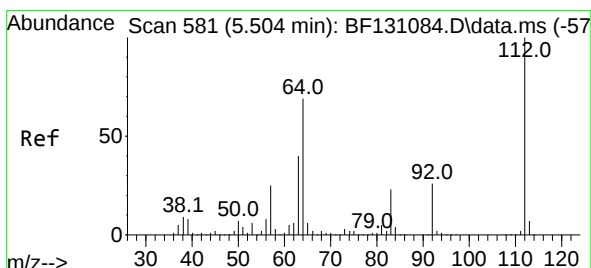
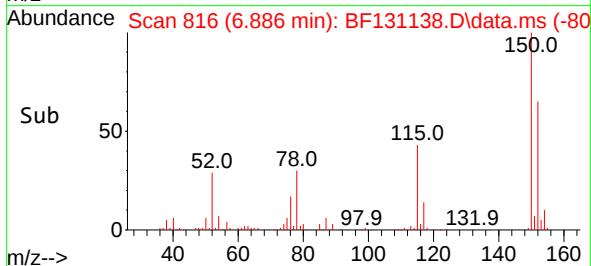
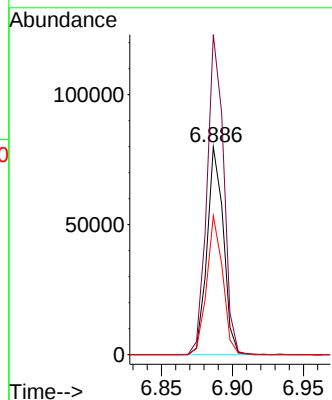
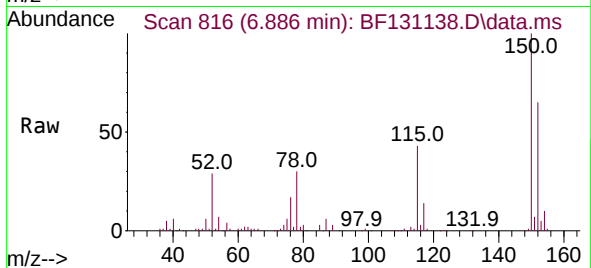
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

Instrument :
BNA_F
ClientSampleId :
SB-21

Tgt Ion:152 Resp: 64027
Ion Ratio Lower Upper
152 100
150 154.0 125.5 188.3
115 66.8 52.2 78.2

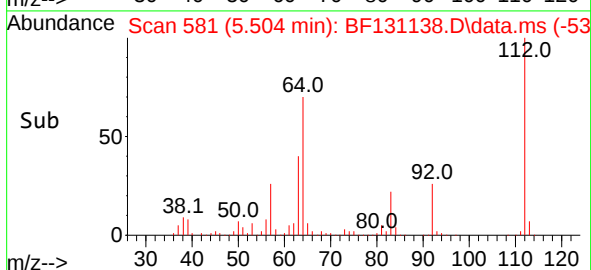
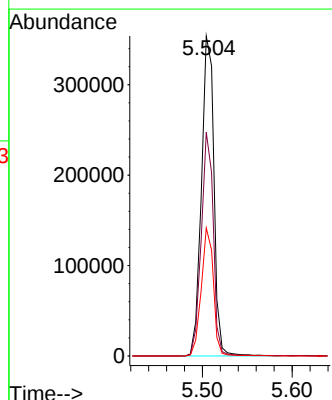
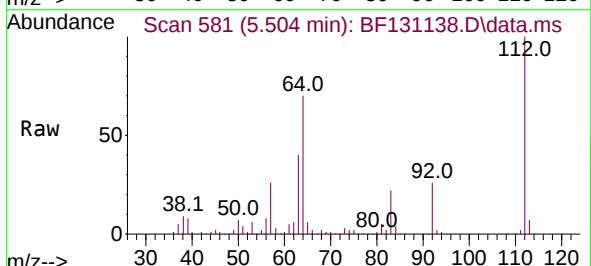
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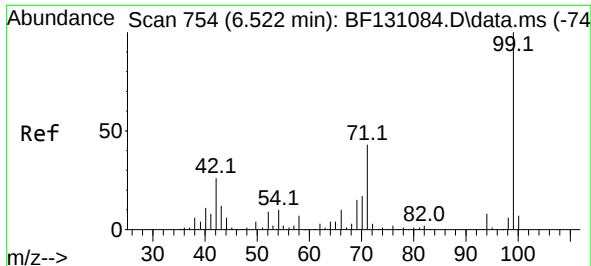
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#5
2-Fluorophenol
Concen: 90.864 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.000 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

Tgt Ion:112 Resp: 342098
Ion Ratio Lower Upper
112 100
64 69.9 55.1 82.7
63 40.0 32.4 48.6





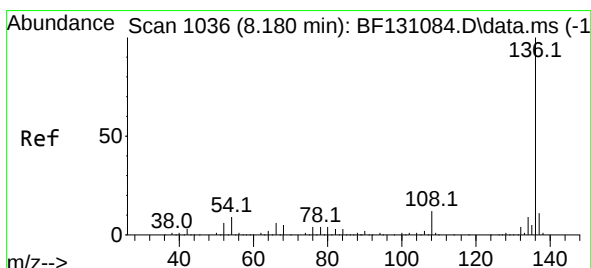
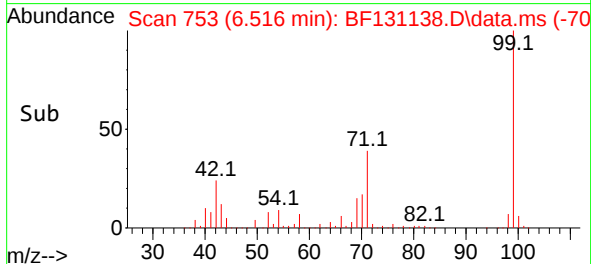
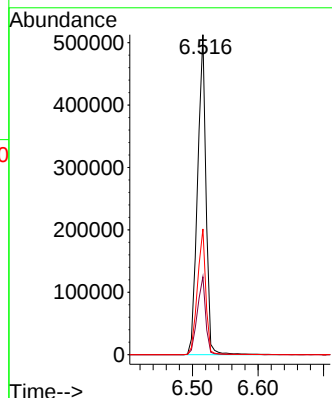
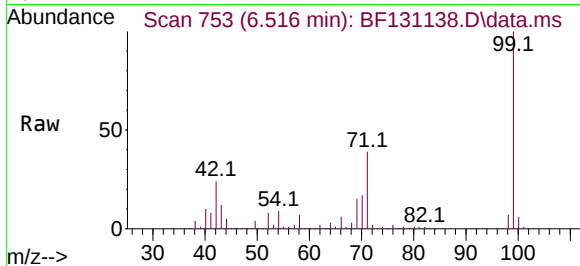
#7
Phenol-d6
Concen: 93.109 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

Instrument :
BNA_F
ClientSampleId :
SB-21

Tgt Ion: 99 Resp: 458300
Ion Ratio Lower Upper
99 100
42 24.3 20.8 31.2
71 39.3 34.2 51.4

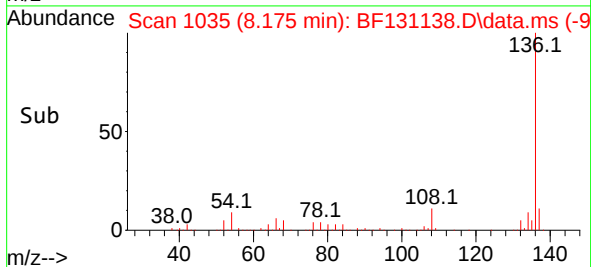
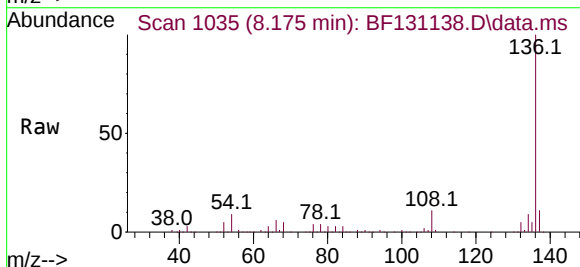
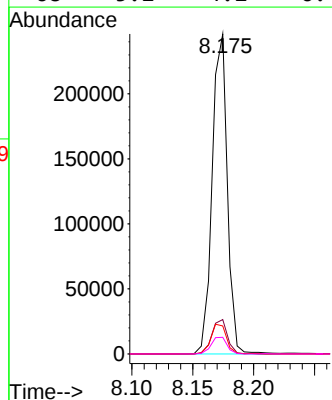
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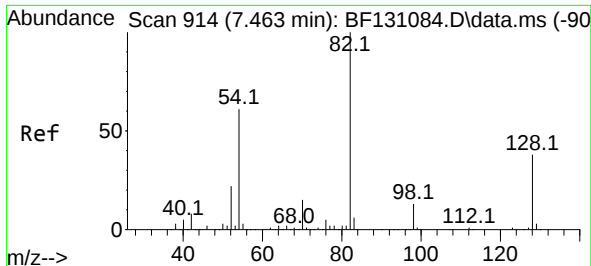
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.005 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

Tgt Ion:136 Resp: 212561
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.7 7.2 10.8
68 5.2 4.2 6.4





#23

Nitrobenzene-d5

Concen: 62.226 ng

RT: 7.451 min Scan# 914

Delta R.T. -0.012 min

Lab File: BF131138.D

Acq: 10 Nov 2022 23:13

Instrument :

BNA_F

ClientSampleId :

SB-21

Tgt Ion: 82 Resp: 29315

Ion Ratio Lower Upper

82 100

128 39.0 30.5 45.7

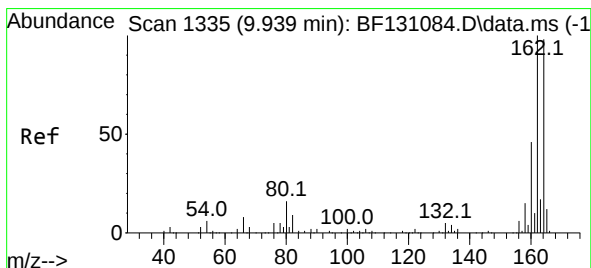
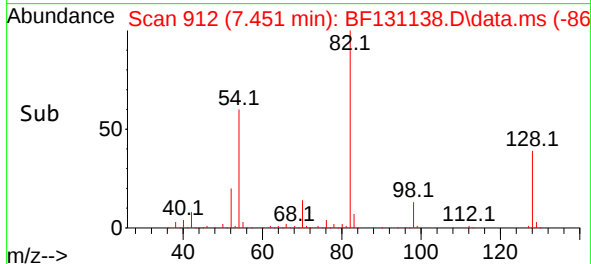
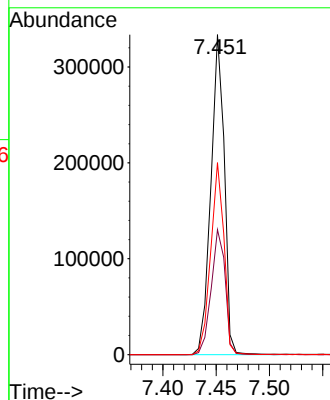
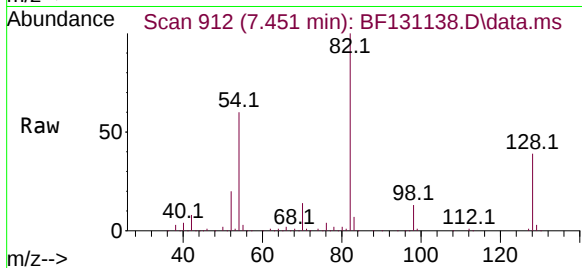
54 60.0 49.1 73.7

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Supervised By :Jagrut Upadhyay 11/11/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1334

Delta R.T. -0.006 min

Lab File: BF131138.D

Acq: 10 Nov 2022 23:13

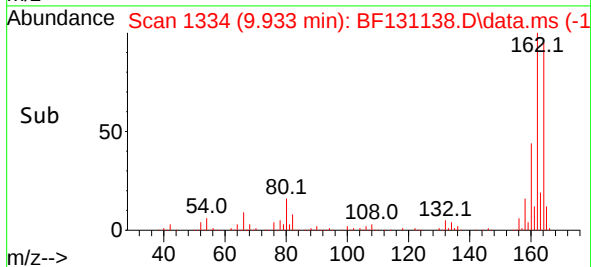
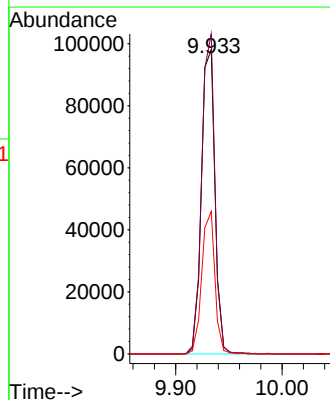
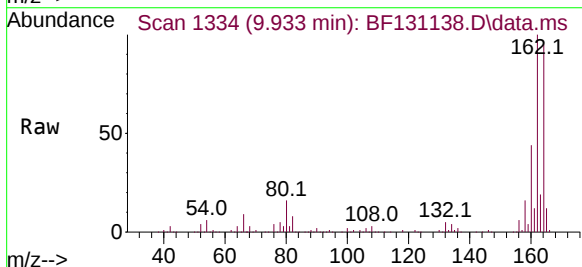
Tgt Ion:164 Resp: 86198

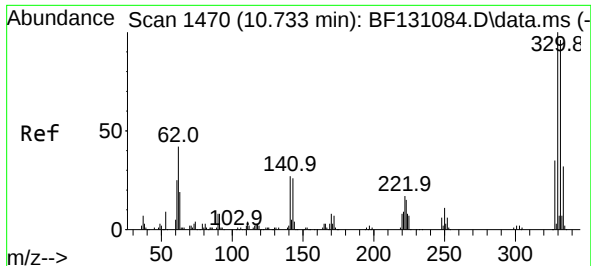
Ion Ratio Lower Upper

164 100

162 105.2 81.7 122.5

160 46.8 37.4 56.2





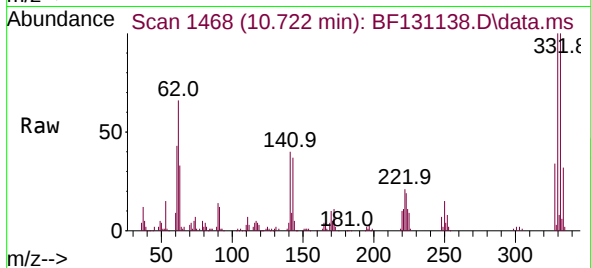
#42
 2,4,6-Tribromophenol
 Concen: 75.636 ng
 RT: 10.722 min Scan# 1470
 Delta R.T. -0.012 min
 Lab File: BF131138.D
 Acq: 10 Nov 2022 23:13

Instrument :

BNA_F

Client SampleId :

SB-21

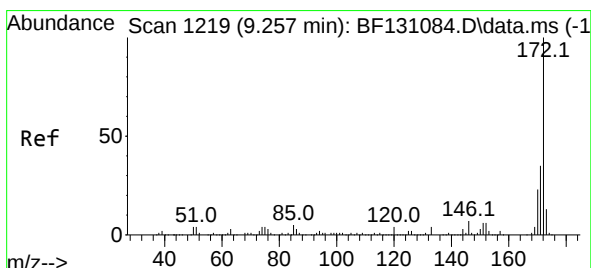
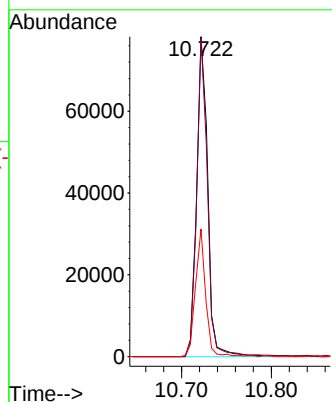
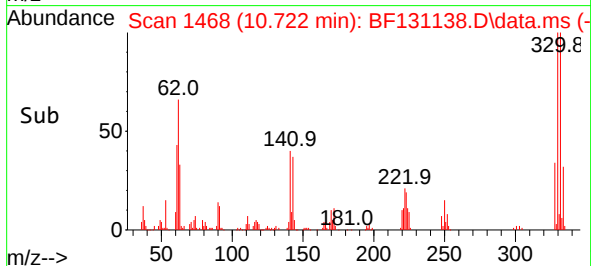


Tgt Ion: 330 Resp: 67379
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.4
 141 36.9 28.5 42.7

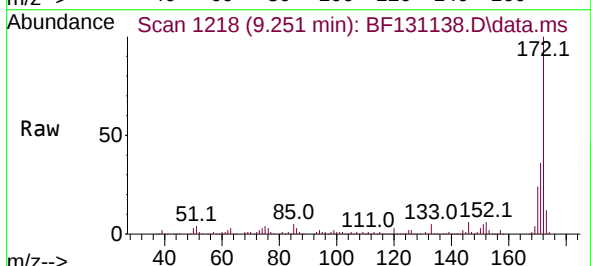
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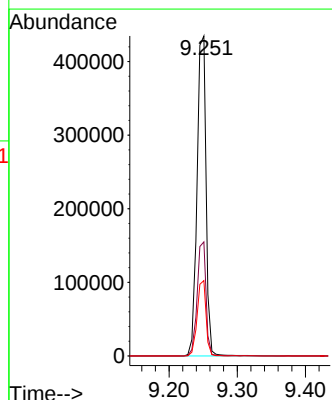
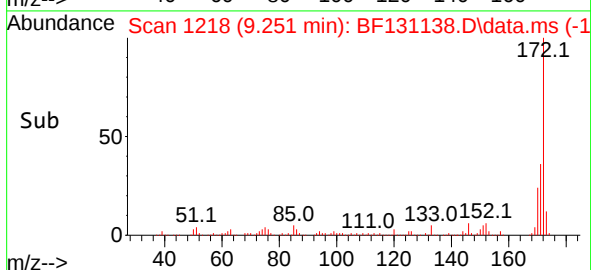
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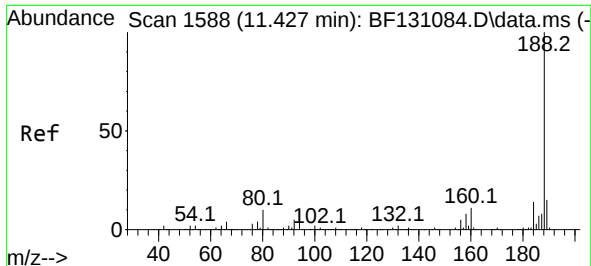


#45
 2-Fluorobiphenyl
 Concen: 64.990 ng
 RT: 9.251 min Scan# 1218
 Delta R.T. -0.006 min
 Lab File: BF131138.D
 Acq: 10 Nov 2022 23:13



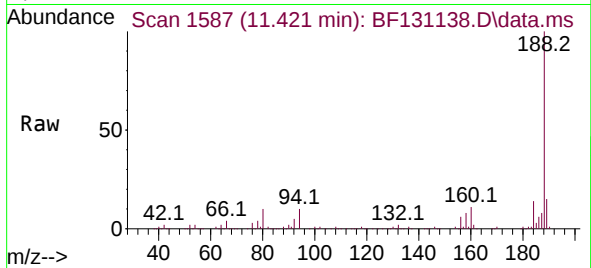
Tgt Ion: 172 Resp: 401294
 Ion Ratio Lower Upper
 172 100
 171 35.6 27.7 41.5
 170 23.5 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

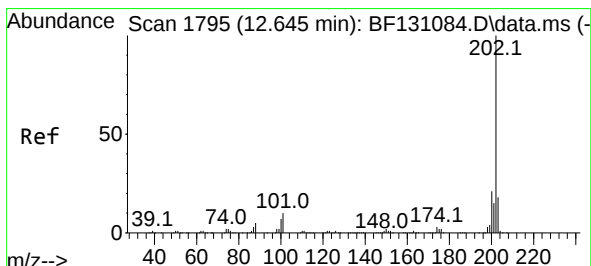
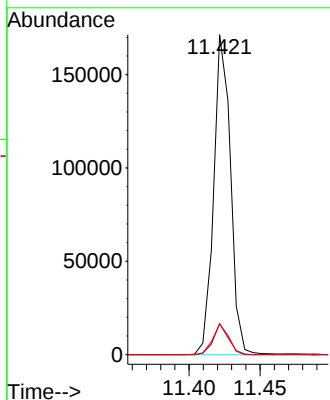
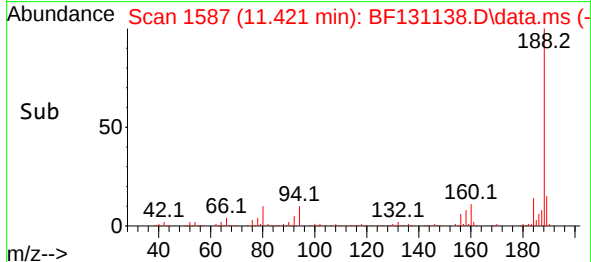
Instrument :
BNA_F
ClientSampleId :
SB-21



Tgt Ion:188 Resp: 141304
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.6
80 9.5 7.9 11.9

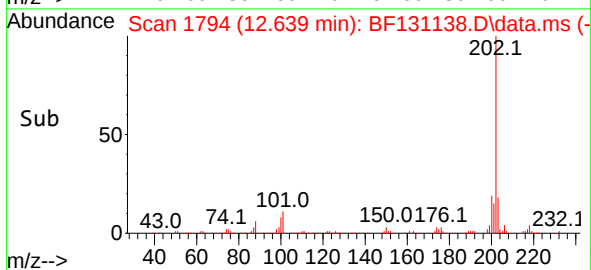
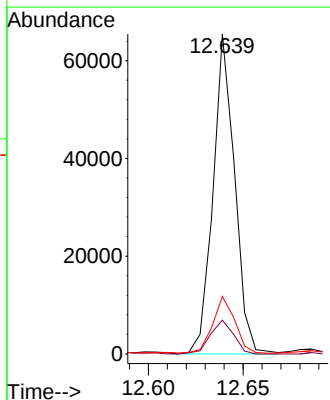
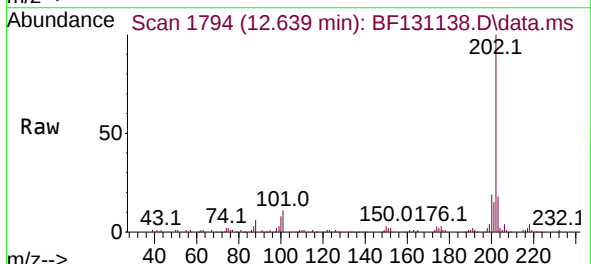
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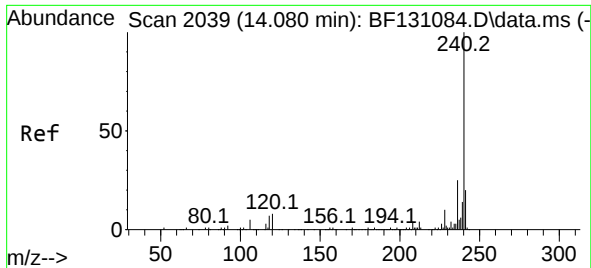
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#75
Fluoranthene
Concen: 6.695 ng
RT: 12.639 min Scan# 1794
Delta R.T. -0.006 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

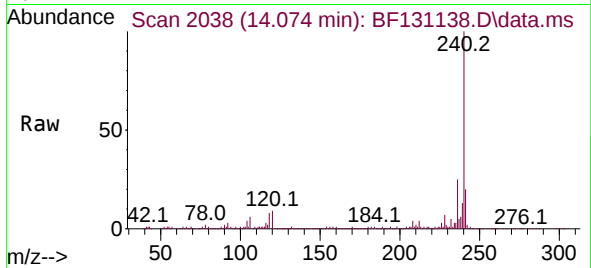
Tgt Ion:202 Resp: 52080
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.0
203 17.9 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

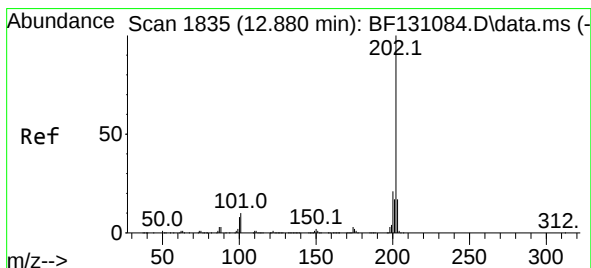
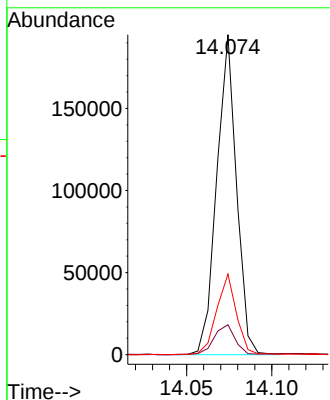
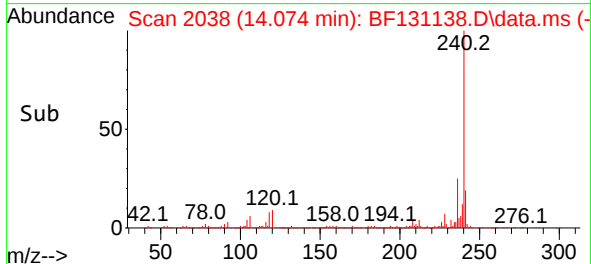
Instrument :
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SB-21



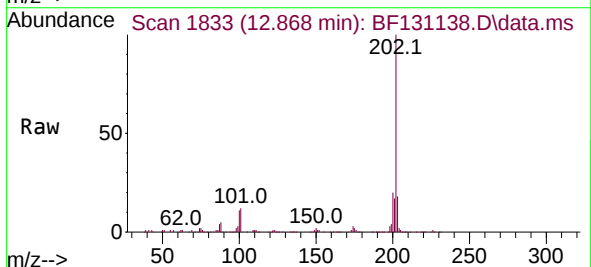
Tgt Ion:240 Resp: 157162
Ion Ratio Lower Upper
240 100
120 9.3 6.5 9.7
236 25.1 19.7 29.5

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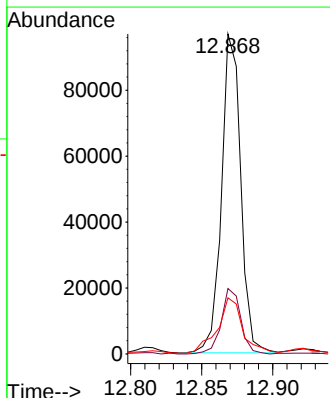
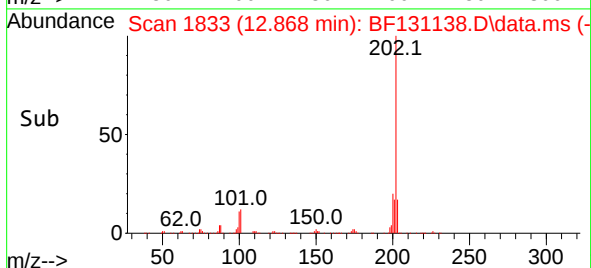
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

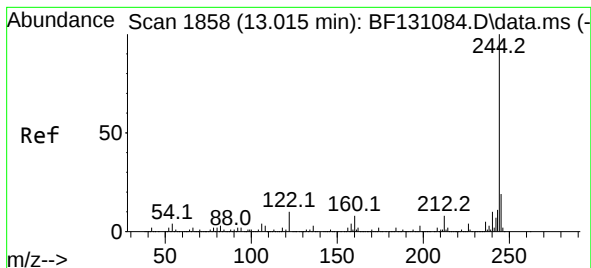


#78
Pyrene
Concen: 6.737 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13



Tgt Ion:202 Resp: 90844
Ion Ratio Lower Upper
202 100
200 20.4 16.8 25.2
203 17.5 13.6 20.4





#79

Terphenyl-d14

Concen: 44.674 ng

RT: 13.010 min Scan# 1858

Delta R.T. -0.005 min

Lab File: BF131138.D

Acq: 10 Nov 2022 23:13

Instrument :

BNA_F

ClientSampleId :

SB-21

Tgt Ion:244 Resp: 400445

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

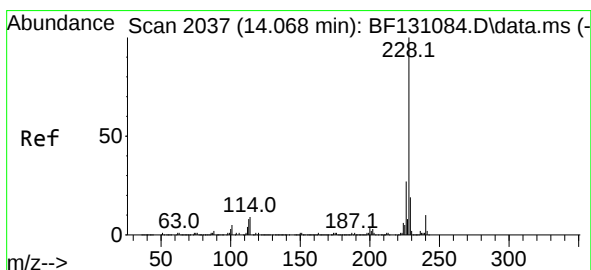
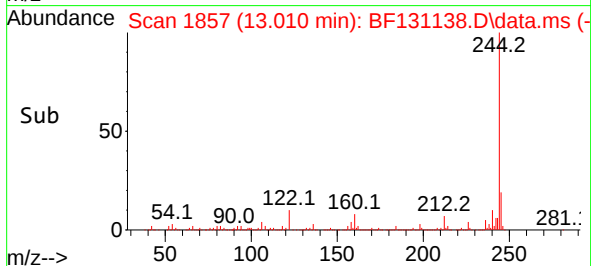
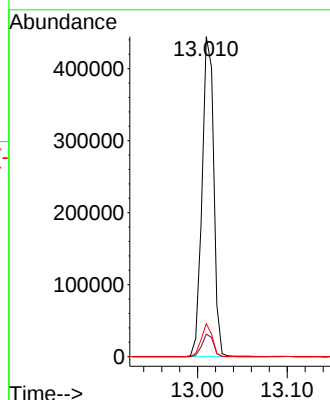
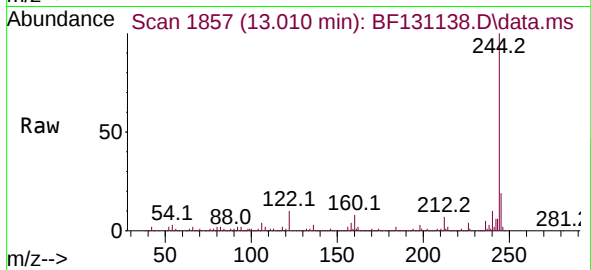
122 10.3 7.8 11.8

Manual Integrations

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#81

Benzo(a)anthracene

Concen: 6.331 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF131138.D

Acq: 10 Nov 2022 23:13

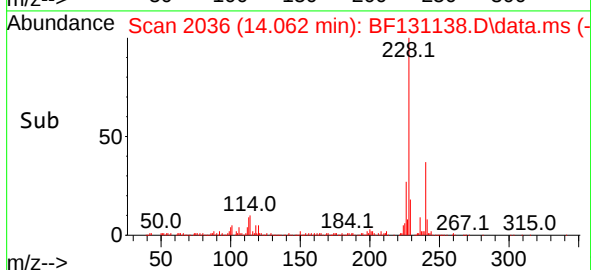
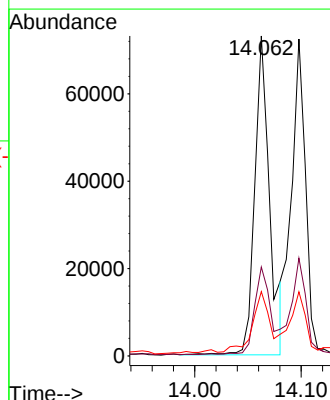
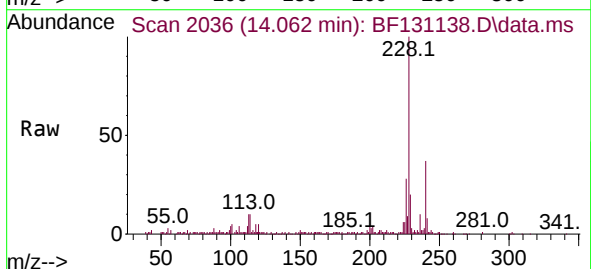
Tgt Ion:228 Resp: 71114

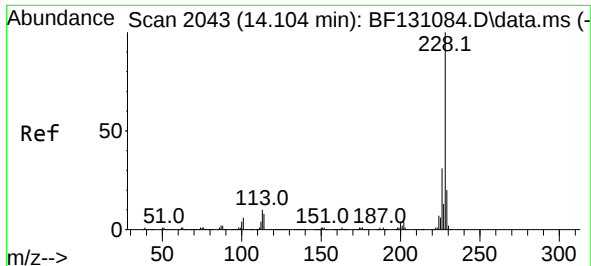
Ion Ratio Lower Upper

228 100

226 27.8 21.8 32.6

229 20.1 15.4 23.2





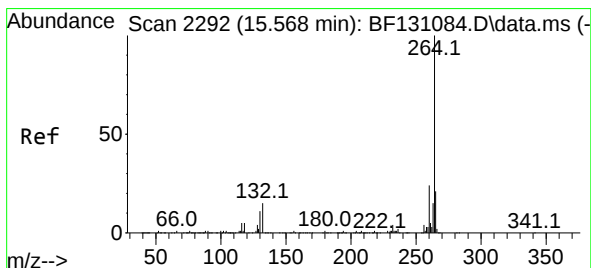
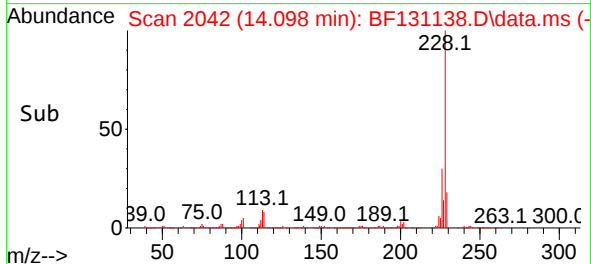
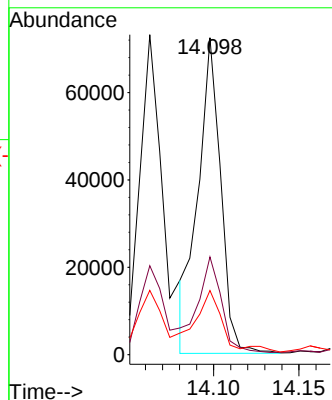
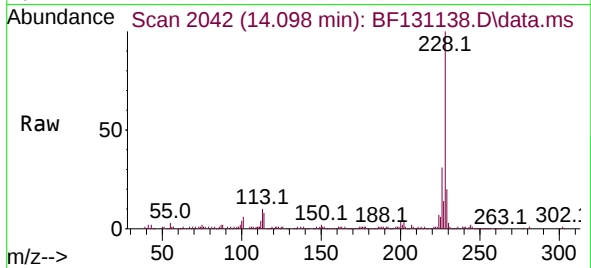
#83
Chrysene
Concen: 6.301 ng
RT: 14.098 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

Instrument :
BNA_F
Client SampleId :
SB-21

Tgt Ion:228 Resp: 66843
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 20.2 15.8 23.6

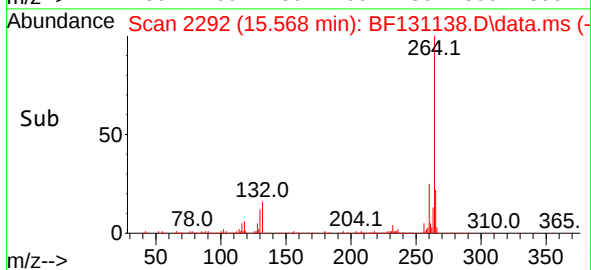
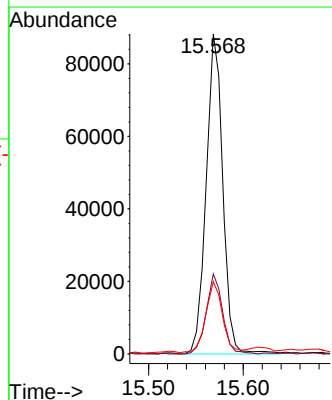
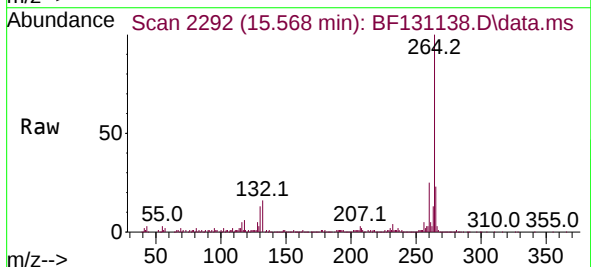
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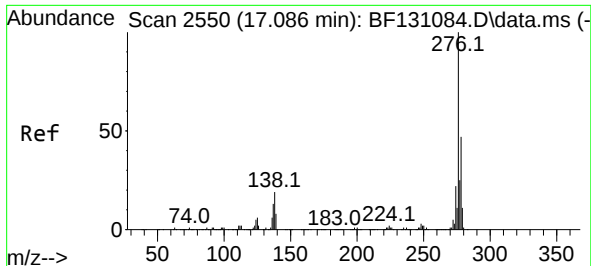
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

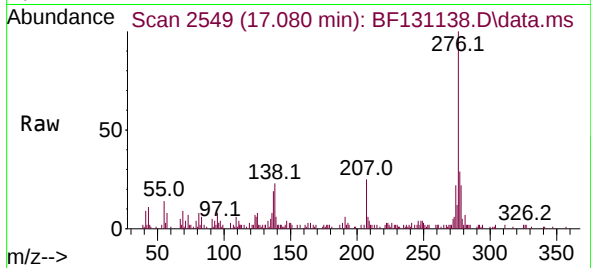
Tgt Ion:264 Resp: 107839
Ion Ratio Lower Upper
264 100
260 25.0 19.1 28.7
265 22.6 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.524 ng
RT: 17.080 min Scan# 2550
Delta R.T. -0.006 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

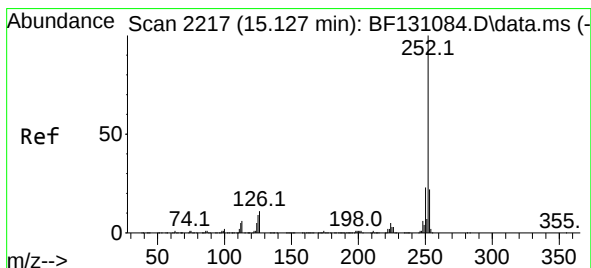
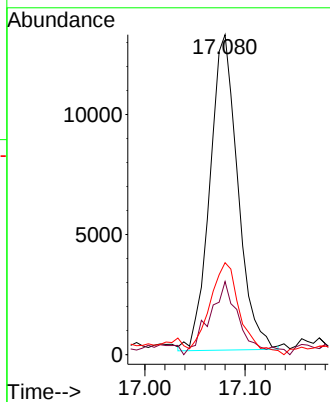
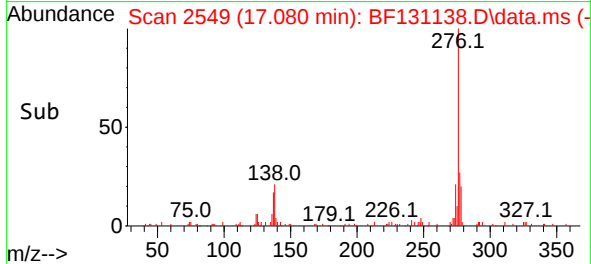
Instrument :
BNA_F
Client Sample Id :
SB-21



Tgt Ion: 276 Resp: 25516
Ion Ratio Lower Upper
276 100
138 23.8 16.9 25.3
277 31.3 20.3 30.5

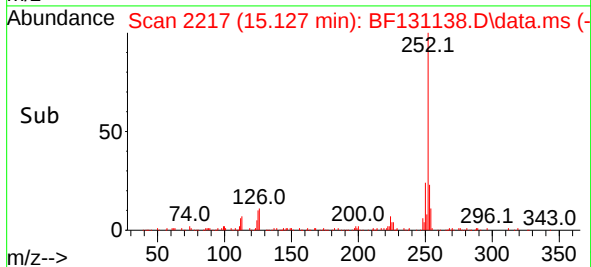
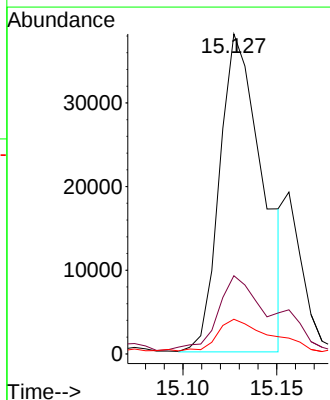
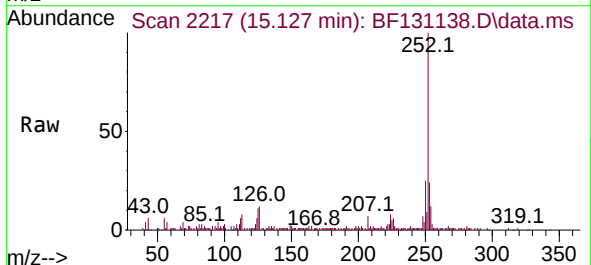
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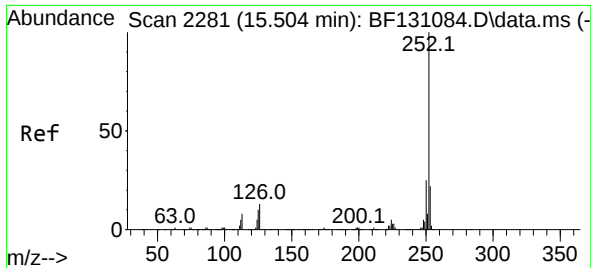
Reviewed By : Christian Giraldo 11/11/2022
Supervised By : Jagrut Upadhyay 11/11/2022



#88
Benzo(b)fluoranthene
Concen: 7.906 ng m
RT: 15.127 min Scan# 2217
Delta R.T. 0.000 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

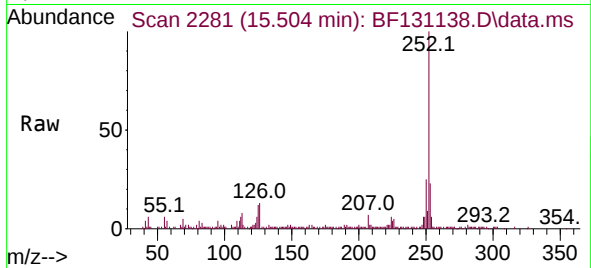
Tgt Ion: 252 Resp: 60280
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 10.8 7.2 10.8





#90
Benzo(a)pyrene
Concen: 7.351 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13

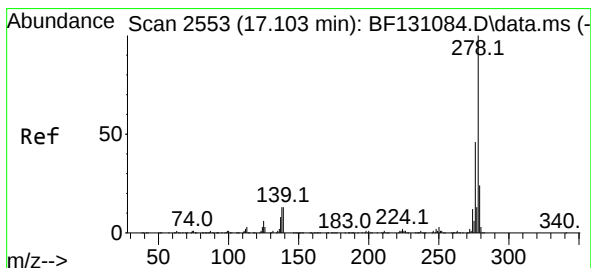
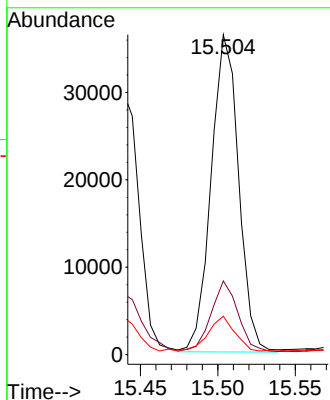
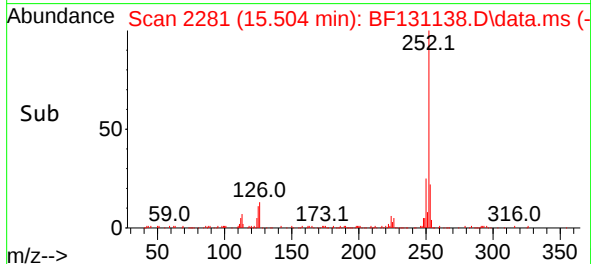
Instrument :
BNA_F
ClientSampleId :
SB-21



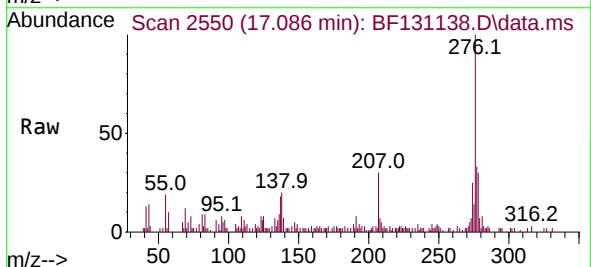
Tgt Ion:252 Resp: 44936
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 12.0 8.1 12.1

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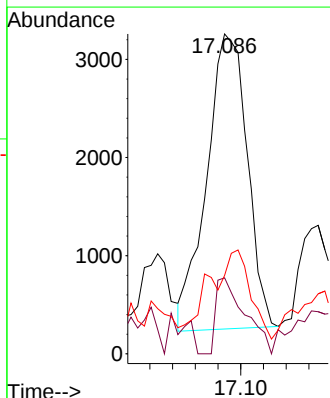
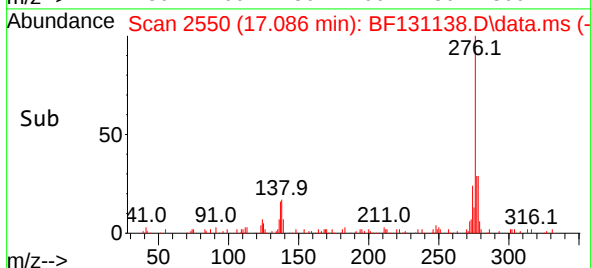
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

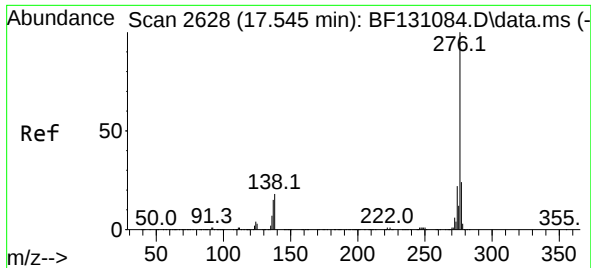


#91
Dibenzo(a,h)anthracene
Concen: 4.798 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.017 min
Lab File: BF131138.D
Acq: 10 Nov 2022 23:13



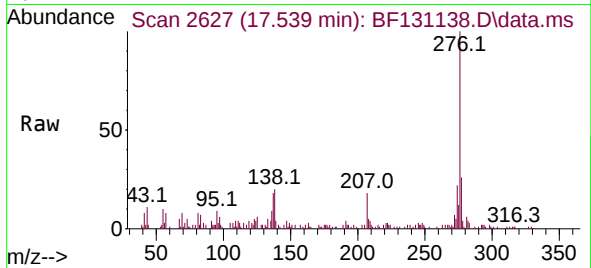
Tgt Ion:278 Resp: 7454
Ion Ratio Lower Upper
278 100
139 23.8 10.8 16.2#
279 24.5 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 7.801 ng
 RT: 17.539 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF131138.D
 Acq: 10 Nov 2022 23:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-21



Tgt Ion: 276 Resp: 28659

Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.0	28.4
138	19.9	14.6	21.8

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

