

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130980.D
 Acq On : 04 Nov 2022 02:10
 Operator : CG\JU
 Sample : N5418-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-M

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/04/2022
 Supervised By : Sohil Jodhani 11/04/2022

Quant Time: Nov 04 06:26:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	69182	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	235216	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	122917	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	240266	20.000	ng	0.00
76) Chrysene-d12	14.110	240	181101	20.000	ng	0.00
86) Perylene-d12	15.621	264	120374	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	404992	101.486	ng	0.00
7) Phenol-d6	6.539	99	472062	91.029	ng	0.00
23) Nitrobenzene-d5	7.481	82	291076	74.619	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	125051	120.856	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	497314	61.170	ng	0.00
79) Terphenyl-d14	13.051	244	612488	61.974	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.480	178	112331	9.058	ng	98
72) Anthracene	11.533	178	25638	2.096	ng	99
75) Fluoranthene	12.674	202	224994	17.076	ng	99
78) Pyrene	12.910	202	224592	14.699	ng	99
81) Benzo(a)anthracene	14.098	228	95297	7.937	ng	95
83) Chrysene	14.133	228	94443	8.154	ng	97
87) Indeno(1,2,3-cd)pyrene	17.151	276	34232	4.282	ng	97
88) Benzo(b)fluoranthene	15.174	252	84738m	10.890	ng	
89) Benzo(k)fluoranthene	15.198	252	24319m	3.207	ng	
90) Benzo(a)pyrene	15.557	252	54378	8.693	ng	# 97
92) Benzo(g,h,i)perylene	17.621	276	33936	5.105	ng	# 90

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

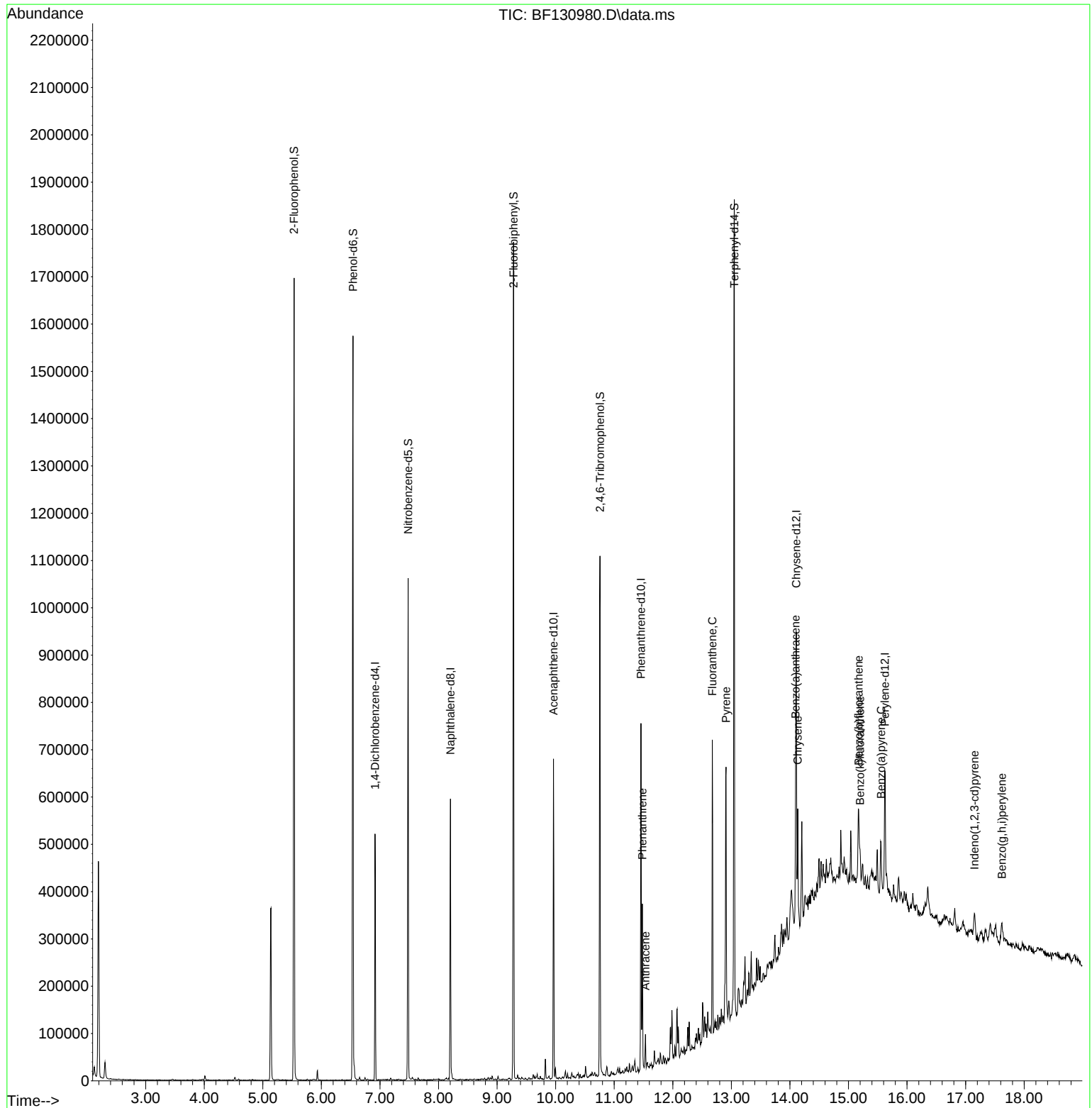
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
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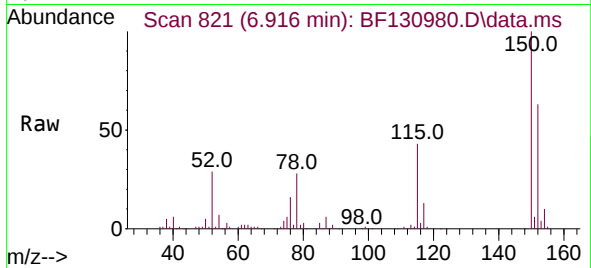
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.916 min Scan# 821
 Delta R.T. -0.000 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

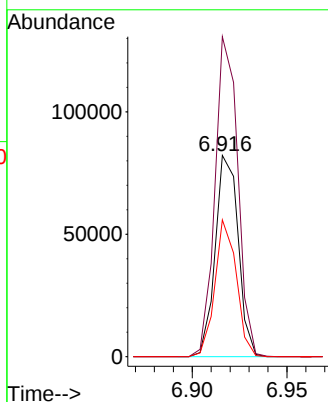
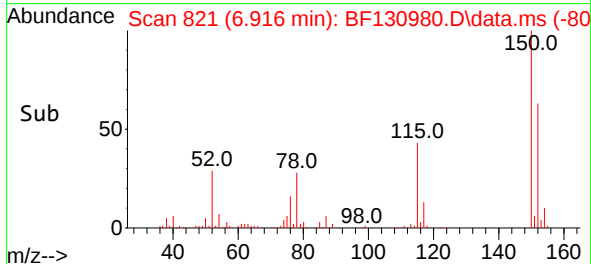
Instrument :
 BNA_F
 ClientSampleId :
 TP-M



Tgt Ion:152 Resp: 69182
 Ion Ratio Lower Upper
 152 100
 150 159.1 124.1 186.1
 115 68.0 50.1 75.1

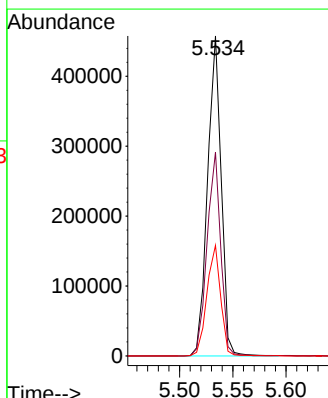
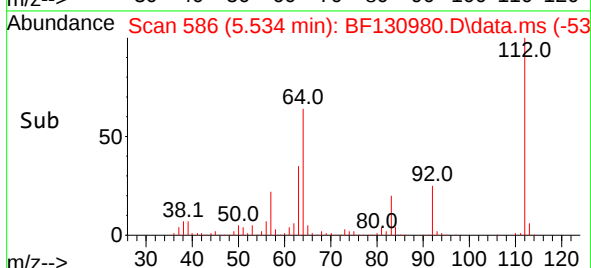
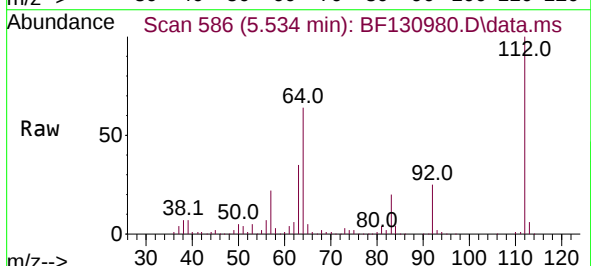
Manual Integrations
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#5
 2-Fluorophenol
 Concen: 101.486 ng
 RT: 5.534 min Scan# 586
 Delta R.T. 0.006 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

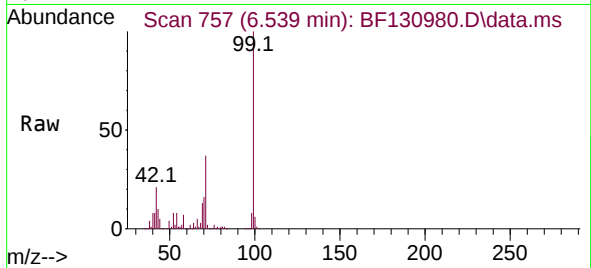
Tgt Ion:112 Resp: 404992
 Ion Ratio Lower Upper
 112 100
 64 63.7 53.9 80.9
 63 34.5 29.4 44.2





#7
Phenol-d6
Concen: 91.029 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

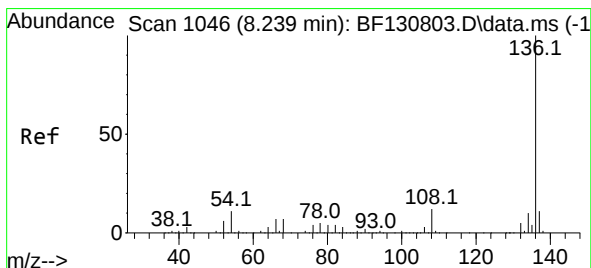
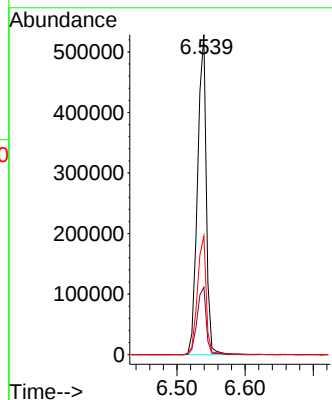
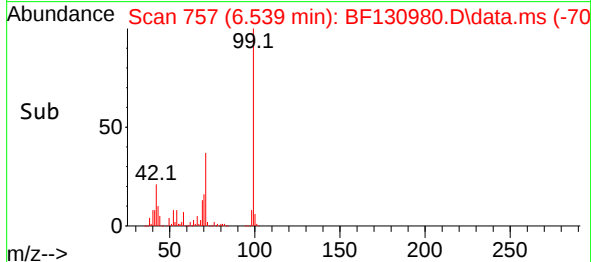
Instrument :
BNA_F
ClientSampleId :
TP-M



Tgt Ion: 99 Resp: 472062
Ion Ratio Lower Upper
99 100
42 21.0 18.8 28.2
71 37.1 31.4 47.0

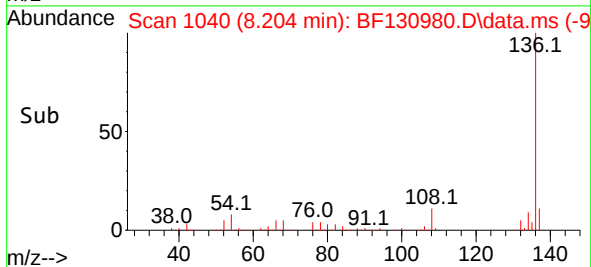
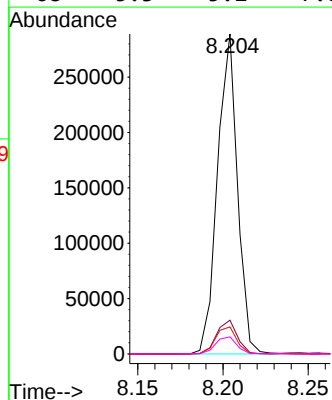
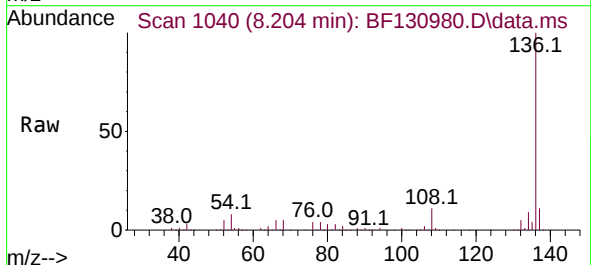
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

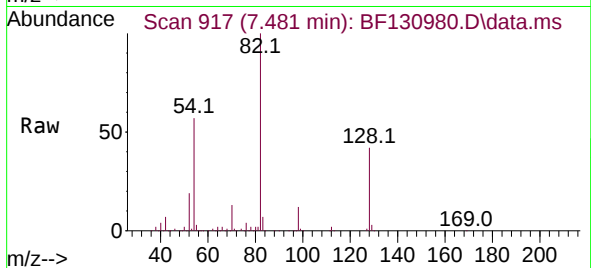
Tgt Ion:136 Resp: 235216
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 8.4 8.8 13.2#
68 5.3 5.2 7.8





#23
Nitrobenzene-d5
Concen: 74.619 ng
RT: 7.481 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

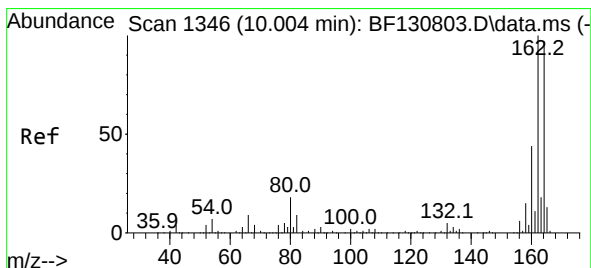
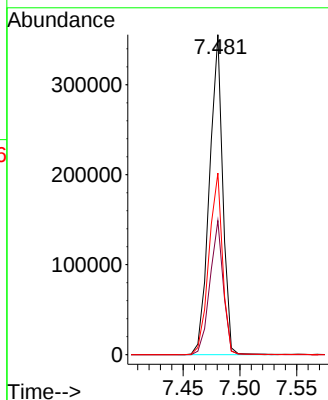
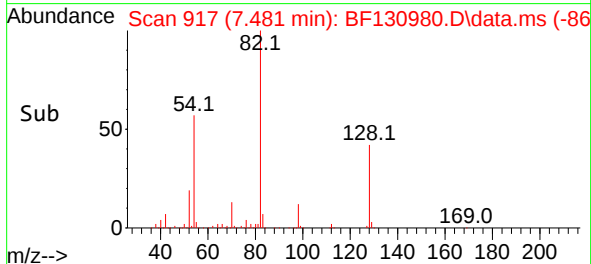
Instrument :
BNA_F
ClientSampleId :
TP-M



Tgt Ion: 82 Resp: 291076
Ion Ratio Lower Upper
82 100
128 41.9 31.2 46.8
54 56.7 48.0 72.0

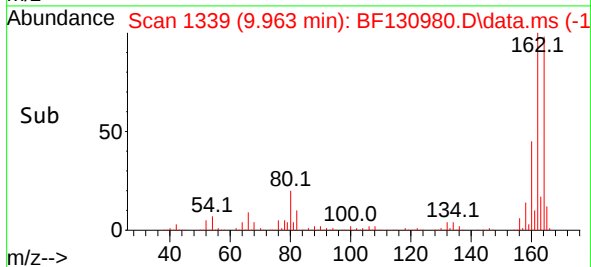
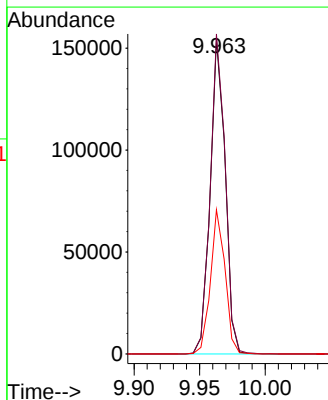
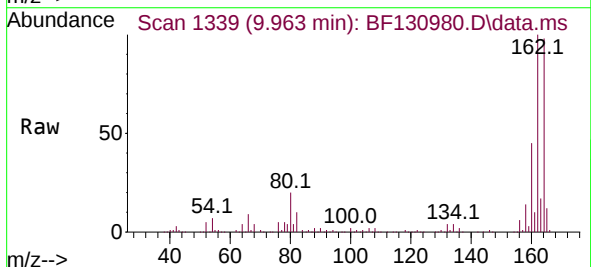
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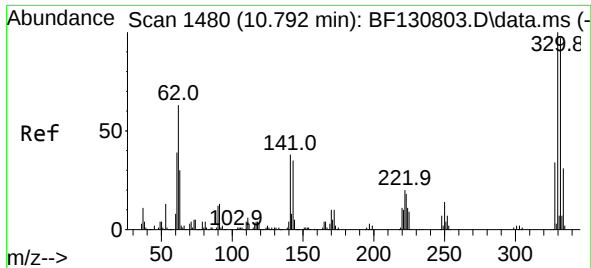
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Tgt Ion:164 Resp: 122917
Ion Ratio Lower Upper
164 100
162 101.8 82.2 123.2
160 45.8 36.6 54.8





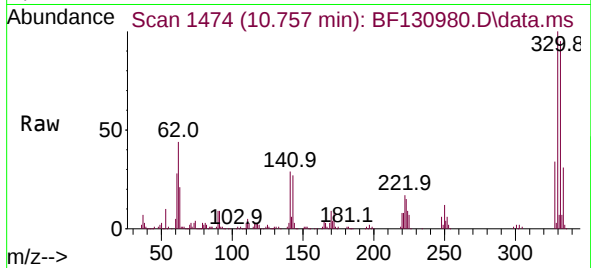
#42
2,4,6-Tribromophenol
Concen: 120.856 ng
RT: 10.757 min Scan# 1480
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Instrument :

BNA_F

ClientSampleId :

TP-M

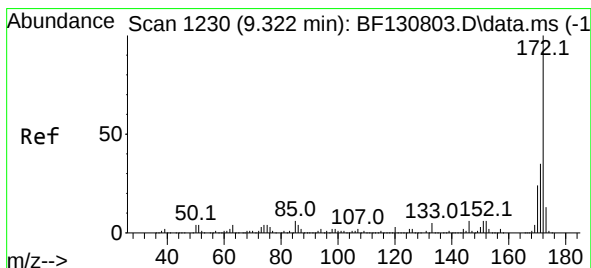
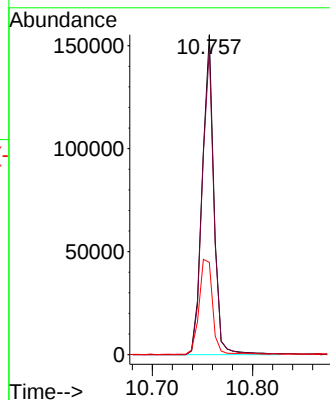
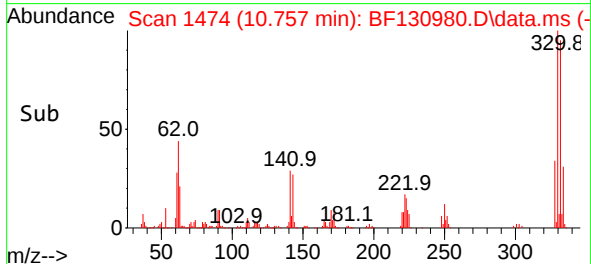


Tgt Ion: 330 Resp: 125051
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 34.3 31.4 47.0

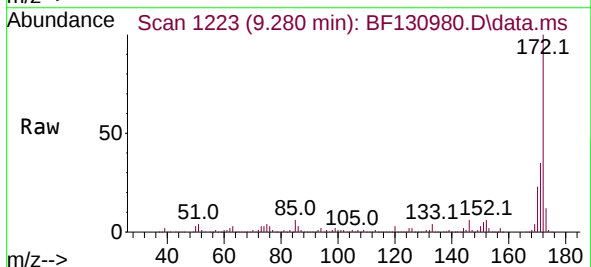
Manual Integrations

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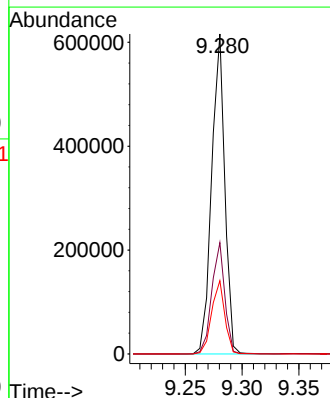
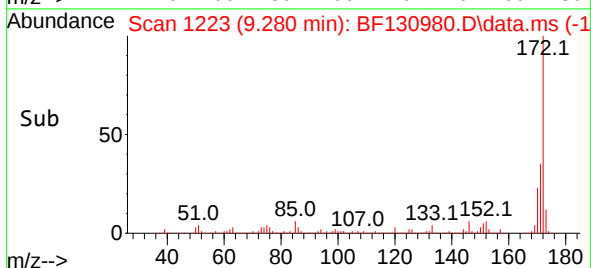
Reviewed By : Christian Giraldo 11/04/2022
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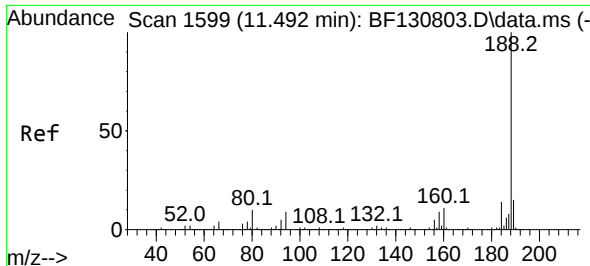


#45
2-Fluorobiphenyl
Concen: 61.170 ng
RT: 9.280 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10



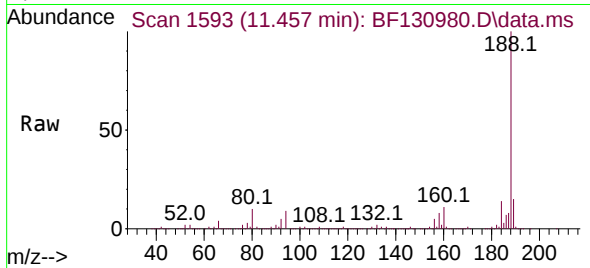
Tgt Ion: 172 Resp: 497314
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 22.9 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

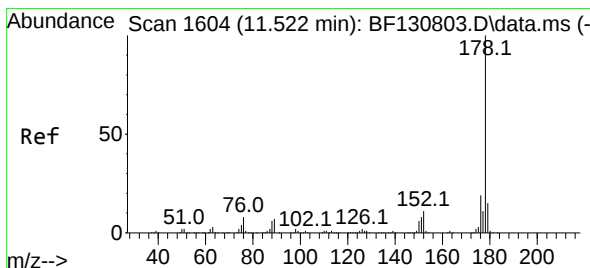
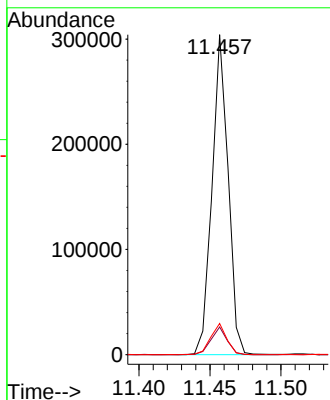
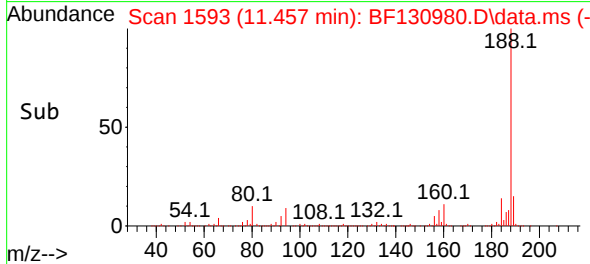
Instrument :
BNA_F
ClientSampleId :
TP-M



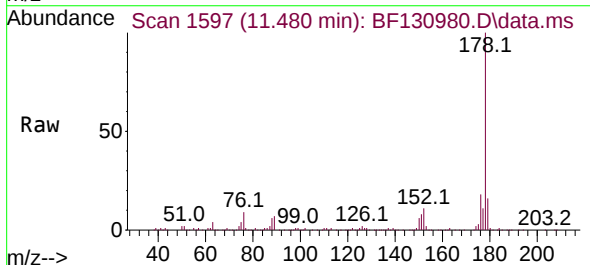
Tgt Ion:188 Resp: 240266
Ion Ratio Lower Upper
188 100
94 8.6 7.4 11.2
80 9.7 8.0 12.0

Manual Integrations
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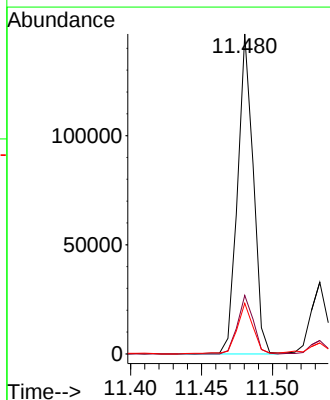
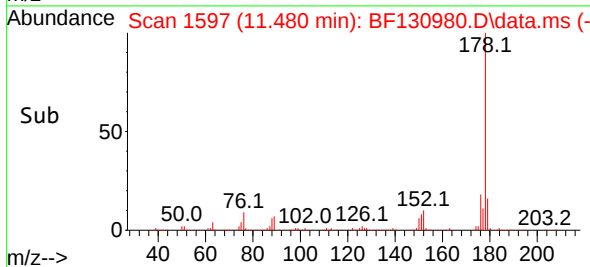
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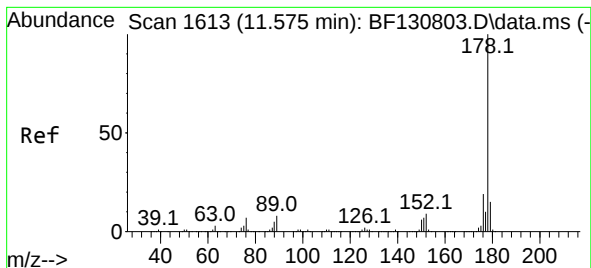


#71
Phenanthrene
Concen: 9.058 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10



Tgt Ion:178 Resp: 112331
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.8 12.2 18.2





#72

Anthracene

Concen: 2.096 ng

RT: 11.533 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

Instrument :

BNA_F

ClientSampleId :

TP-M

Tgt Ion:178 Resp: 25638

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

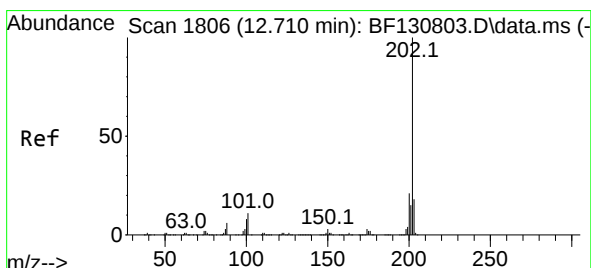
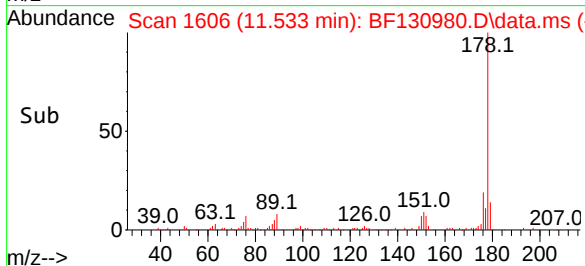
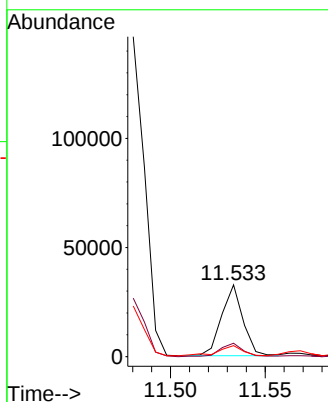
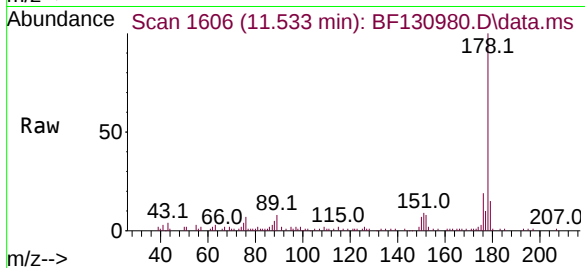
179 15.3 12.2 18.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/04/2022

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#75

Fluoranthene

Concen: 17.076 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

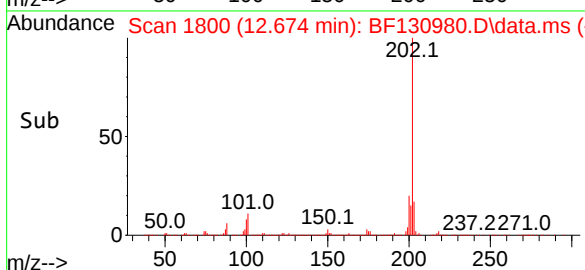
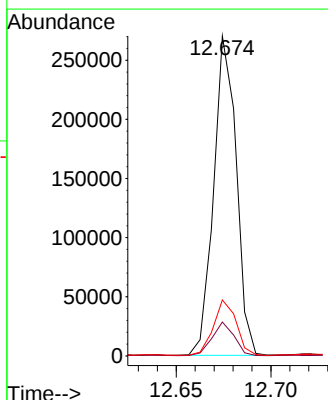
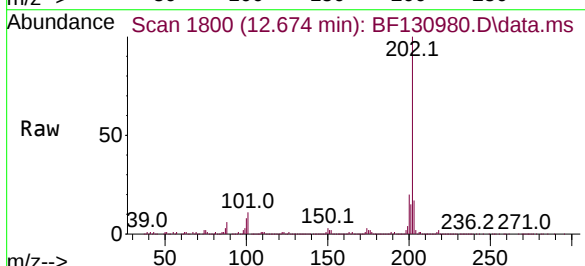
Tgt Ion:202 Resp: 224994

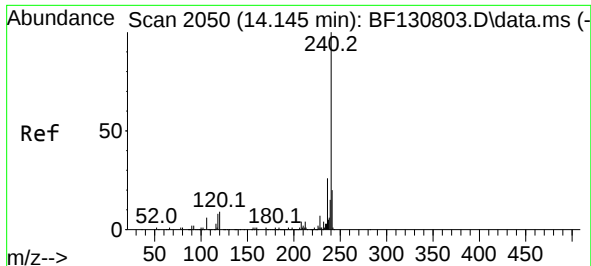
Ion Ratio Lower Upper

202 100

101 10.6 0.0 30.9

203 17.5 0.0 37.7





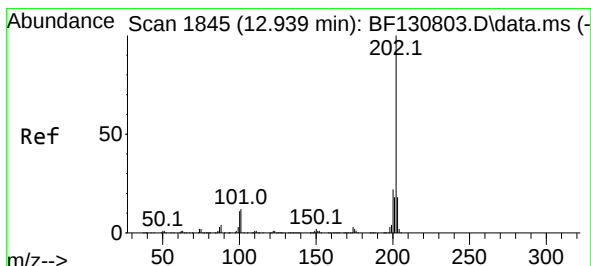
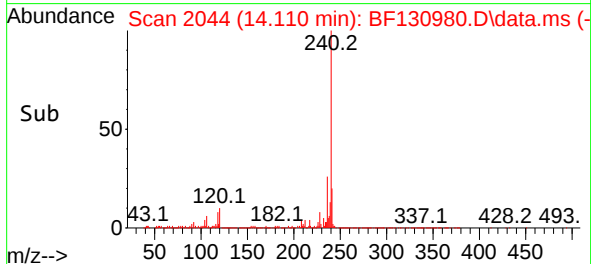
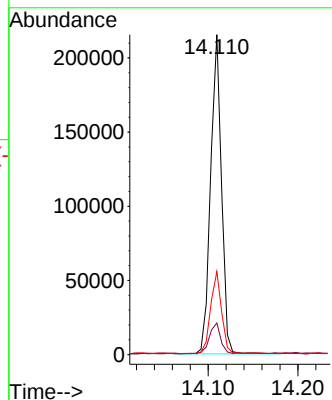
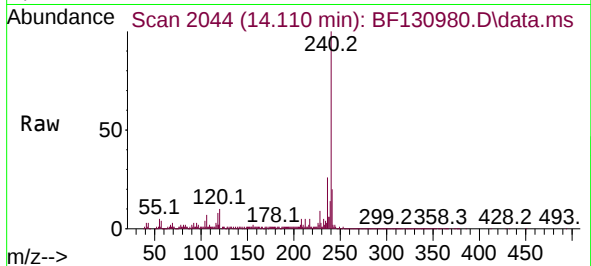
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2050
Delta R.T. 0.006 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Instrument :
BNA_F
ClientSampleId :
TP-M

Tgt Ion:240 Resp: 181101
Ion Ratio Lower Upper
240 100
120 9.9 7.0 10.4
236 26.0 20.5 30.7

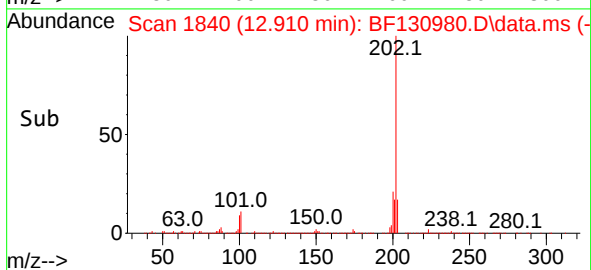
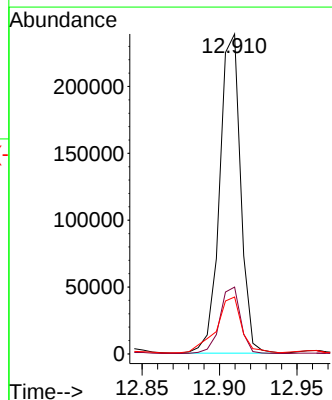
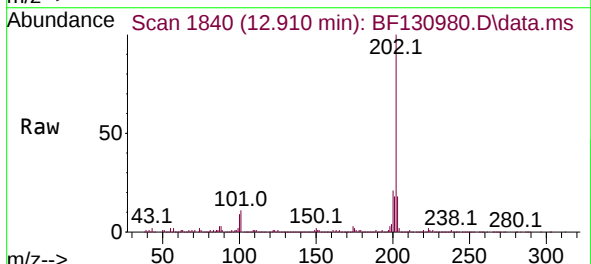
Manual Integrations
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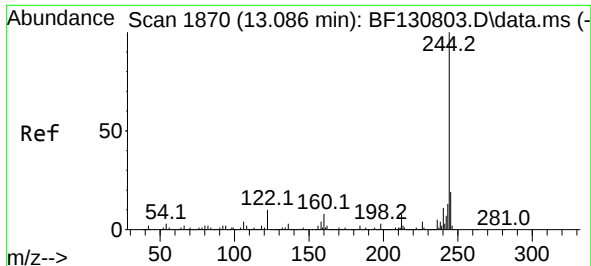
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#78
Pyrene
Concen: 14.699 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.006 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

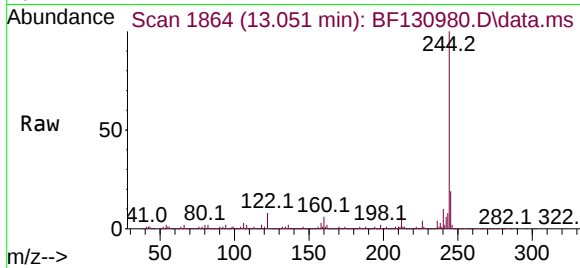
Tgt Ion:202 Resp: 224592
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 17.8 14.5 21.7





#79
 Terphenyl-d14
 Concen: 61.974 ng
 RT: 13.051 min Scan# 1864
 Delta R.T. 0.006 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

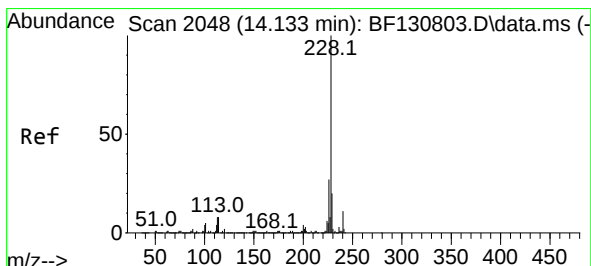
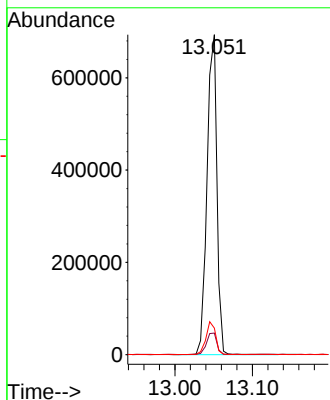
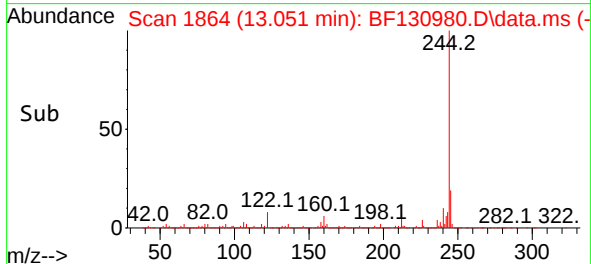
Instrument :
 BNA_F
 ClientSampleId :
 TP-M



Tgt Ion:244 Resp: 612488
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.2 9.2
 122 8.3 7.9 11.9

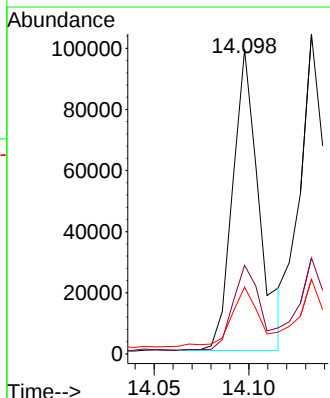
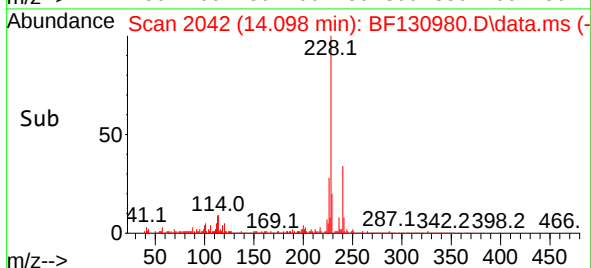
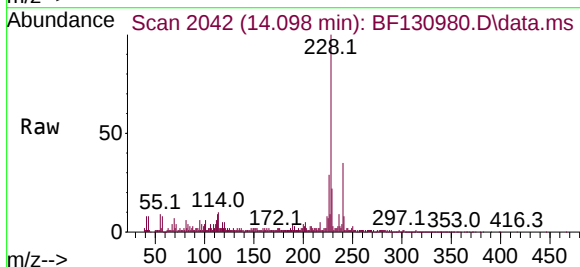
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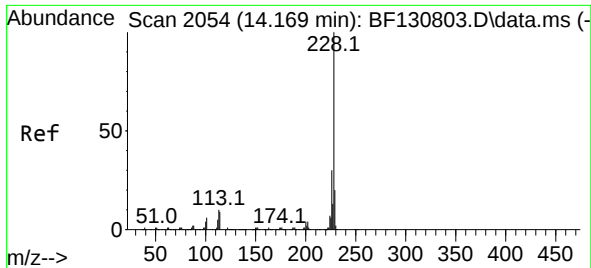
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#81
 Benzo(a)anthracene
 Concen: 7.937 ng
 RT: 14.098 min Scan# 2042
 Delta R.T. -0.000 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

Tgt Ion:228 Resp: 95297
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.4 32.2
 229 21.9 15.8 23.6





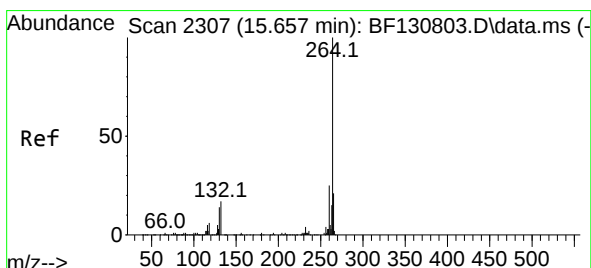
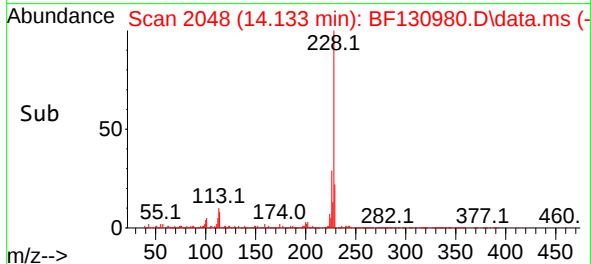
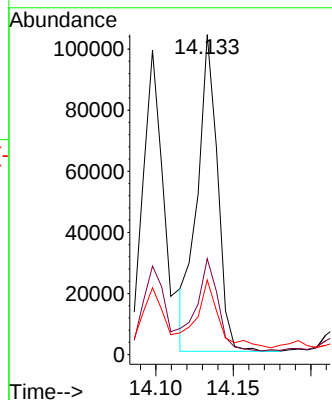
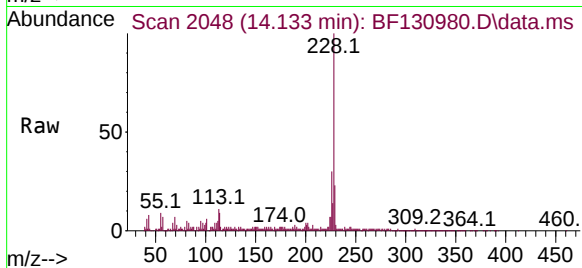
#83
Chrysene
Concen: 8.154 ng
RT: 14.133 min Scan# 2054
Delta R.T. -0.000 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Instrument :
BNA_F
ClientSampleId :
TP-M

Tgt Ion:228 Resp: 94443
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 23.4 15.8 23.6

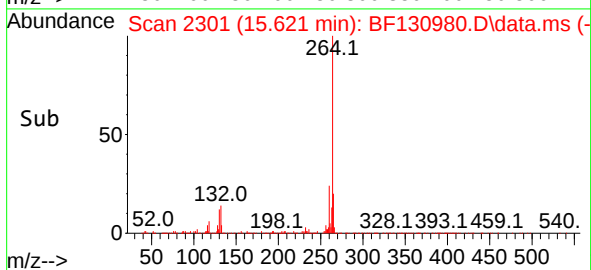
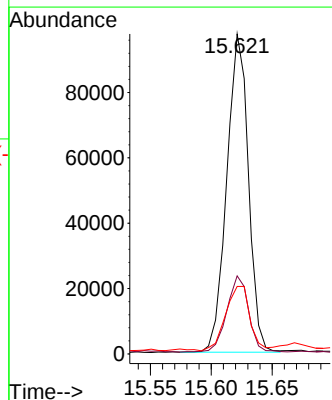
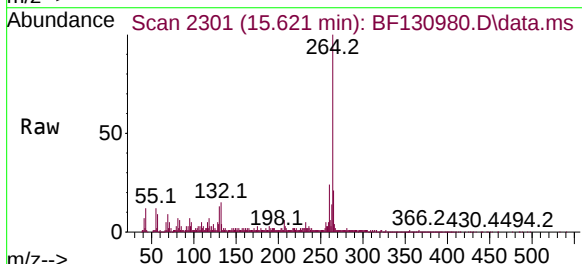
Manual Integrations
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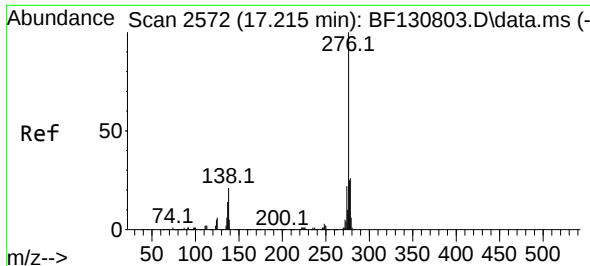
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2301
Delta R.T. 0.012 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Tgt Ion:264 Resp: 120374
Ion Ratio Lower Upper
264 100
260 24.4 19.9 29.9
265 21.1 17.0 25.6





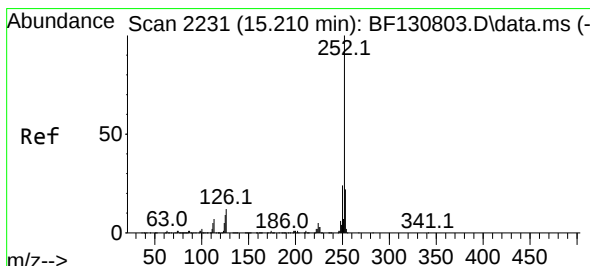
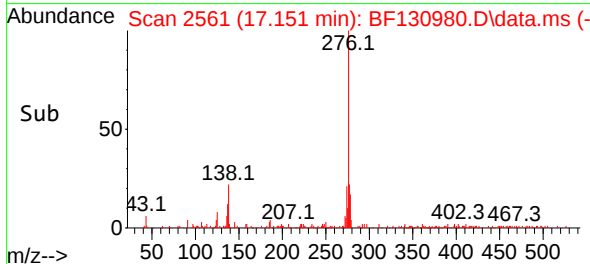
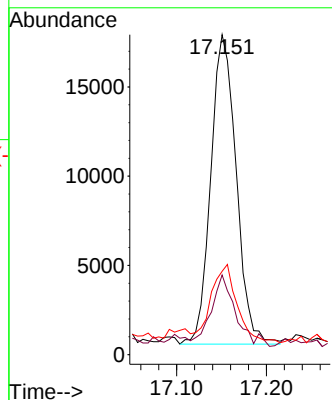
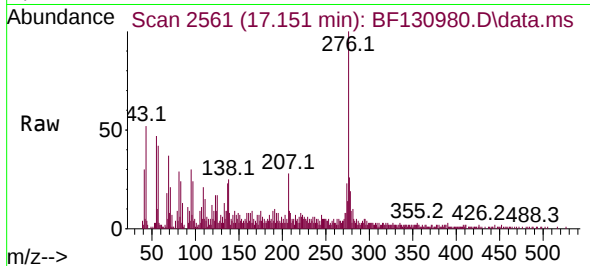
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.282 ng
 RT: 17.151 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

Instrument :
 BNA_F
 ClientSampleId :
 TP-M

Tgt Ion:276 Resp: 34232
 Ion Ratio Lower Upper
 276 100
 138 22.4 19.1 28.7
 277 26.3 20.1 30.1

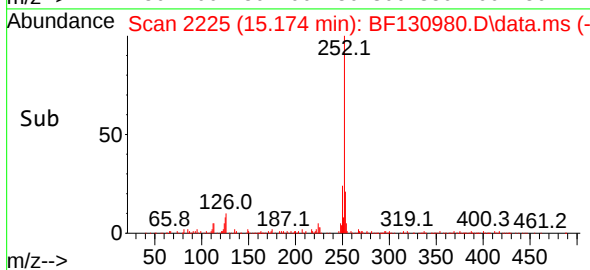
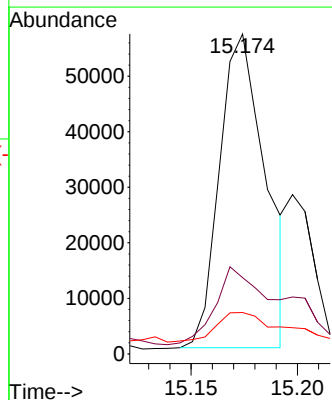
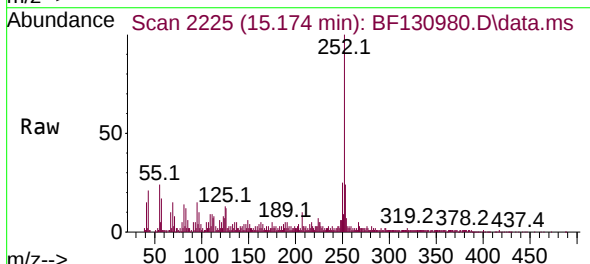
Manual Integrations
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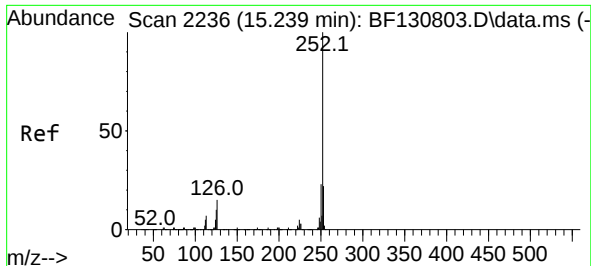
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#88
 Benzo(b)fluoranthene
 Concen: 10.890 ng m
 RT: 15.174 min Scan# 2225
 Delta R.T. 0.012 min
 Lab File: BF130980.D
 Acq: 04 Nov 2022 02:10

Tgt Ion:252 Resp: 84738
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.5 26.3
 125 12.9 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 3.207 ng m

RT: 15.198 min Scan# 2236

Delta R.T. -0.000 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

Instrument :

BNA_F

ClientSampleId :

TP-M

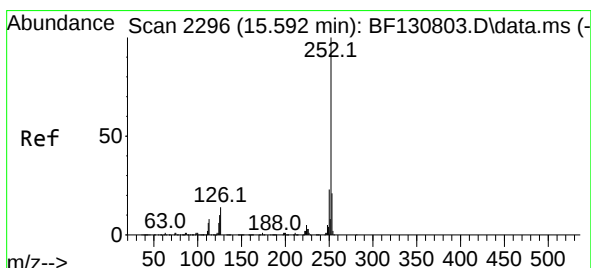
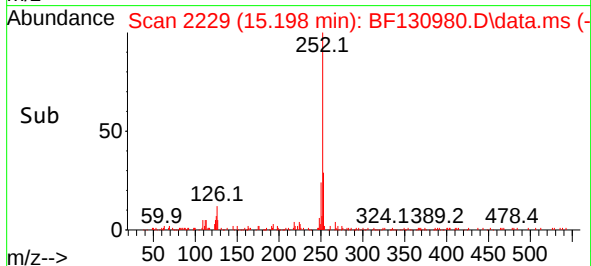
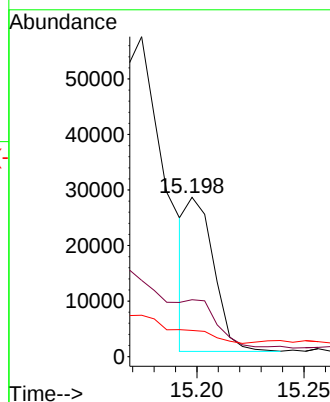
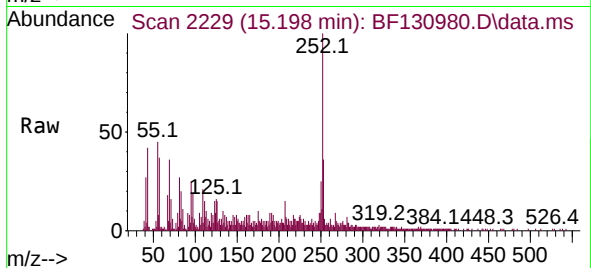
Tgt Ion:252	Resp:	24319
Ion Ratio	Lower	Upper
252	100	
253	35.8	17.5 26.3
125	16.4	8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#90

Benzo(a)pyrene

Concen: 8.693 ng

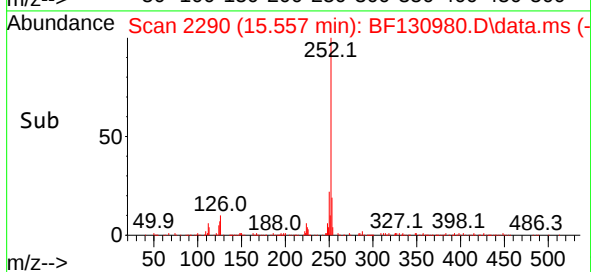
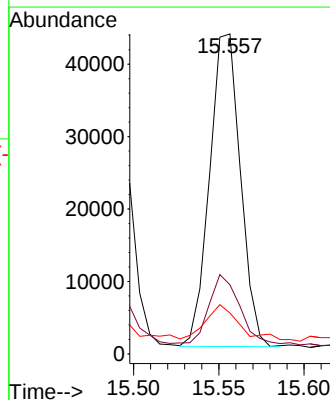
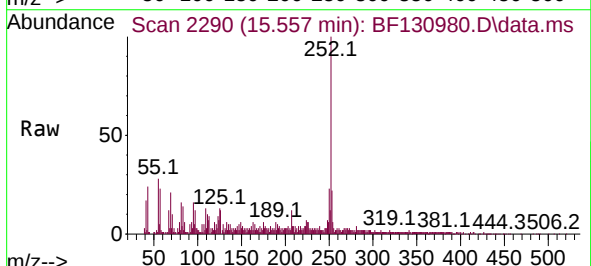
RT: 15.557 min Scan# 2290

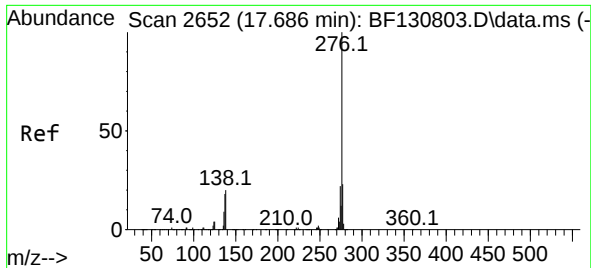
Delta R.T. 0.012 min

Lab File: BF130980.D

Acq: 04 Nov 2022 02:10

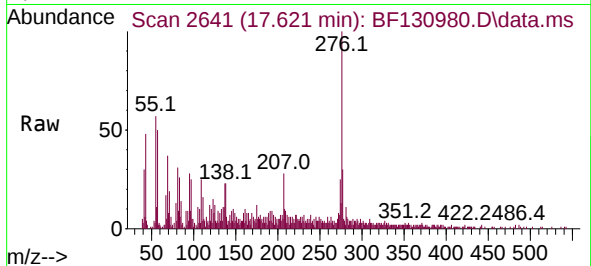
Tgt Ion:252	Resp:	54378
Ion Ratio	Lower	Upper
252	100	
253	21.6	16.8 25.2
125	12.8	8.3 12.5





#92
Benzo(g,h,i)perylene
Concen: 5.105 ng
RT: 17.621 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF130980.D
Acq: 04 Nov 2022 02:10

Instrument :
BNA_F
ClientSampleId :
TP-M



Tgt Ion: 276 Resp: 33936
Ion Ratio Lower Upper
276 100
277 29.9 18.8 28.2
138 23.4 16.3 24.5

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 11/04/2022
Supervised By : Sohil Jodhani 11/04/2022

