

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
 Data File : BF130952.D
 Acq On : 03 Nov 2022 03:01
 Operator : CG\JU
 Sample : N5396-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-H

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/03/2022
 Supervised By : Jagrut Upadhyay 11/03/2022

Quant Time: Nov 03 03:53:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 03 03:37:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	53761	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	176627	20.000	ng	# 0.00
39) Acenaphthene-d10	9.969	164	83176	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	162465	20.000	ng	0.00
76) Chrysene-d12	14.116	240	148342	20.000	ng	0.00
86) Perylene-d12	15.627	264	101200	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	413048	133.194	ng	0.00
7) Phenol-d6	6.545	99	488634	121.253	ng	0.00
23) Nitrobenzene-d5	7.487	82	318133	108.608	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	114499	163.529	ng	0.00
45) 2-Fluorobiphenyl	9.286	172	493748	89.748	ng	0.00
79) Terphenyl-d14	13.051	244	611000	75.476	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.828	152	30394	4.048	ng	98
71) Phenanthrene	11.486	178	82541	9.843	ng	99
72) Anthracene	11.539	178	27159	3.284	ng	99
75) Fluoranthene	12.680	202	221546	24.867	ng	98
78) Pyrene	12.910	202	233937	18.692	ng	99
81) Benzo(a)anthracene	14.104	228	117232m	11.920	ng	
83) Chrysene	14.139	228	127093	13.397	ng	98
87) Indeno(1,2,3-cd)pyrene	17.162	276	40003	5.952	ng	# 92
88) Benzo(b)fluoranthene	15.180	252	113595m	17.364	ng	
89) Benzo(k)fluoranthene	15.204	252	34082m	5.347	ng	
90) Benzo(a)pyrene	15.562	252	70730	13.450	ng	96
91) Dibenzo(a,h)anthracene	17.180	278	11298	2.062	ng	# 81
92) Benzo(g,h,i)perylene	17.633	276	39453	7.059	ng	97

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

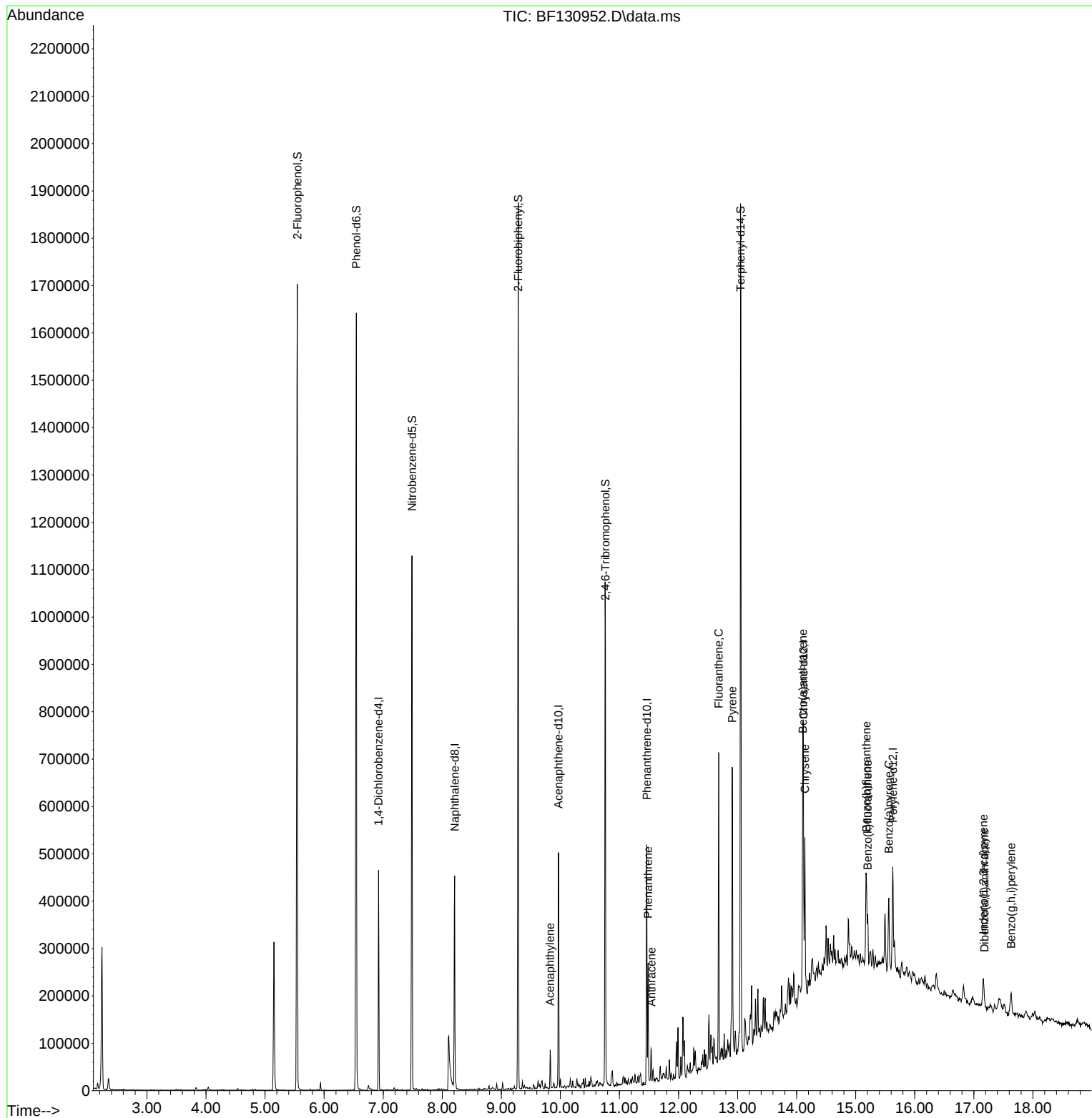
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110222\
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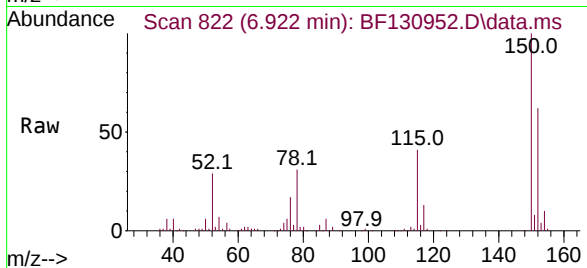
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

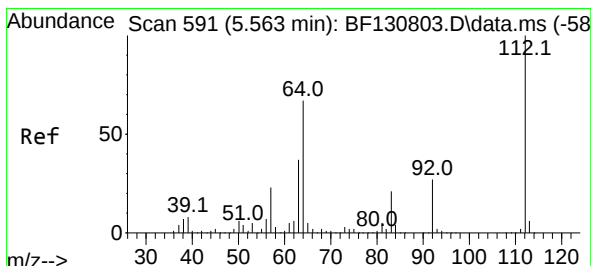
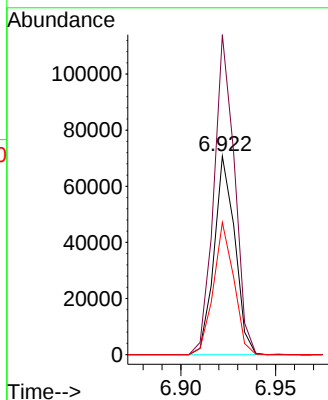
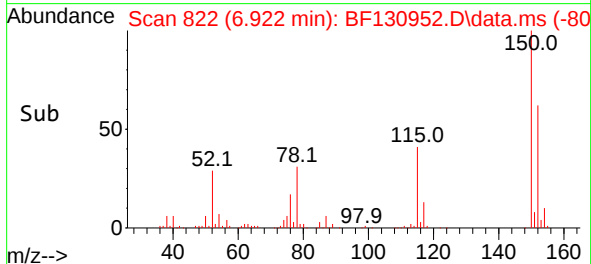
Instrument :
BNA_F
ClientSampleId :
TP-H



Tgt Ion:152 Resp: 53763
Ion Ratio Lower Upper
152 100
150 161.2 124.1 186.1
115 66.6 50.1 75.1

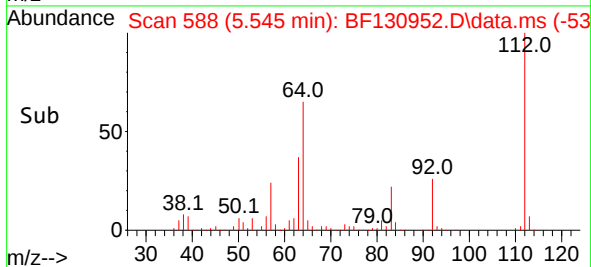
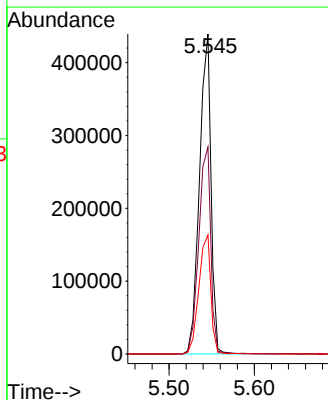
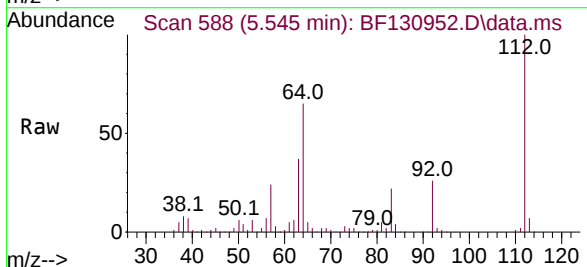
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#5
2-Fluorophenol
Concen: 133.194 ng
RT: 5.545 min Scan# 588
Delta R.T. 0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

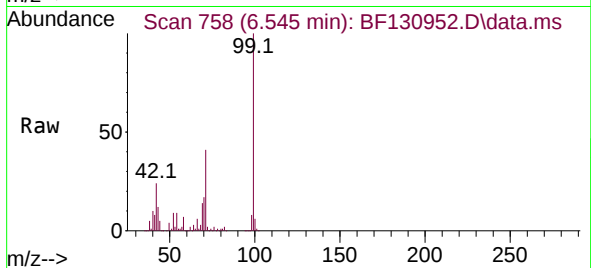
Tgt Ion:112 Resp: 413048
Ion Ratio Lower Upper
112 100
64 64.6 53.9 80.9
63 37.2 29.4 44.2





#7
Phenol-d6
Concen: 121.253 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

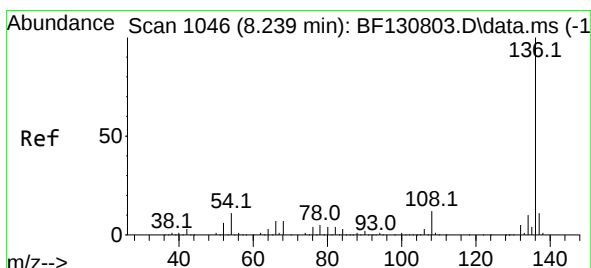
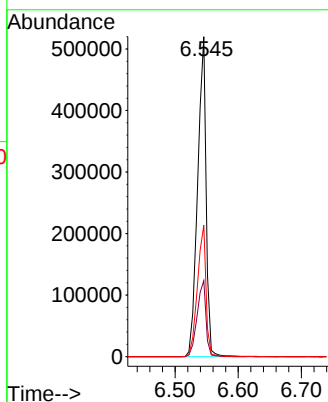
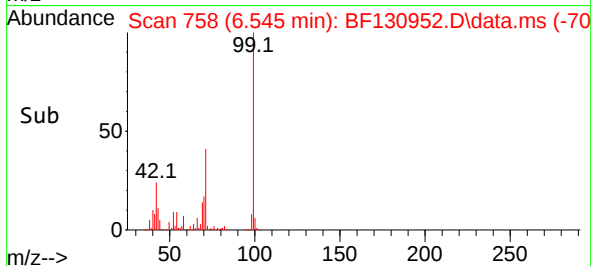
Instrument :
BNA_F
ClientSampleId :
TP-H



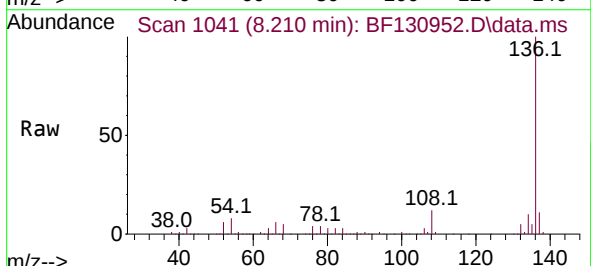
Tgt Ion: 99 Resp: 488634
Ion Ratio Lower Upper
99 100
42 23.7 18.8 28.2
71 41.0 31.4 47.0

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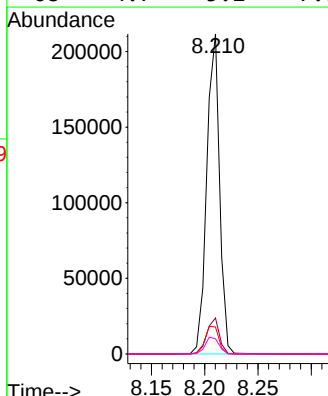
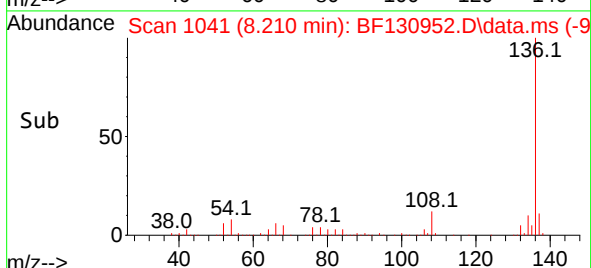
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01



Tgt Ion:136 Resp: 176627
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.4 8.8 13.2#
68 4.7 5.2 7.8#





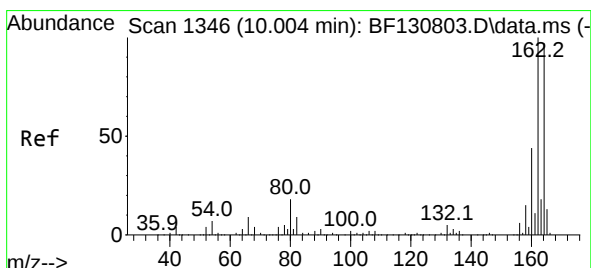
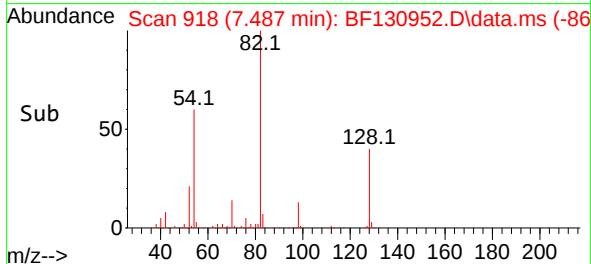
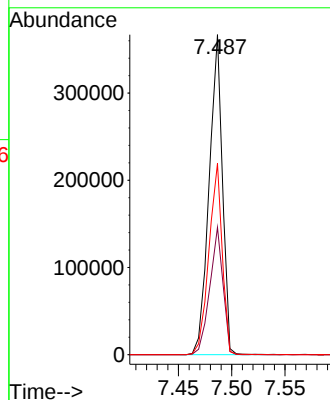
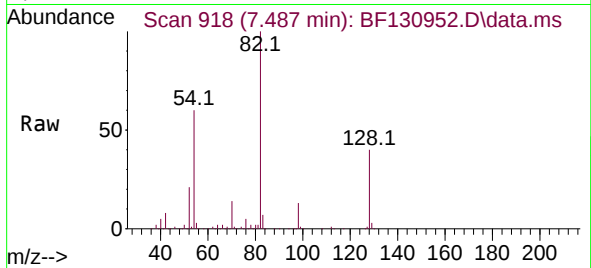
#23
Nitrobenzene-d5
Concen: 108.608 ng
RT: 7.487 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Instrument :
BNA_F
ClientSampleId :
TP-H

Tgt Ion: 82 Resp: 318133
Ion Ratio Lower Upper
82 100
128 39.8 31.2 46.8
54 59.7 48.0 72.0

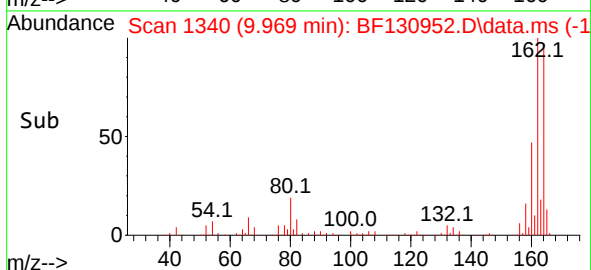
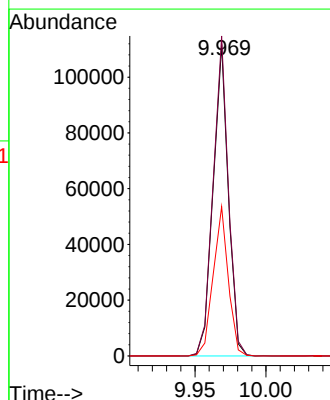
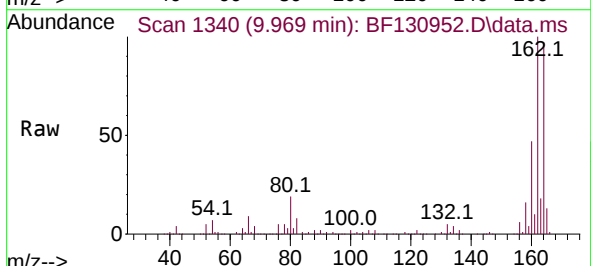
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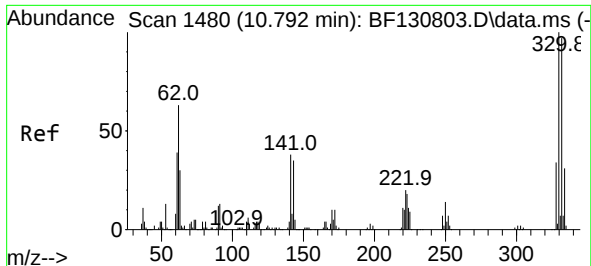
Reviewed By :Christian Giraldo 11/03/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

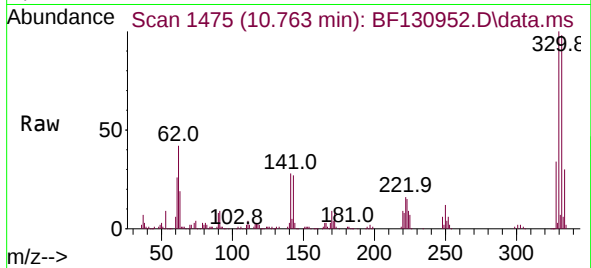
Tgt Ion:164 Resp: 83176
Ion Ratio Lower Upper
164 100
162 102.8 82.2 123.2
160 47.9 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 163.529 ng
RT: 10.763 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

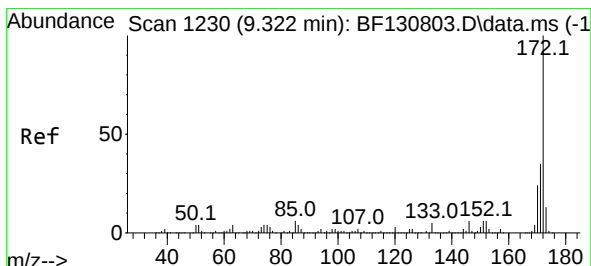
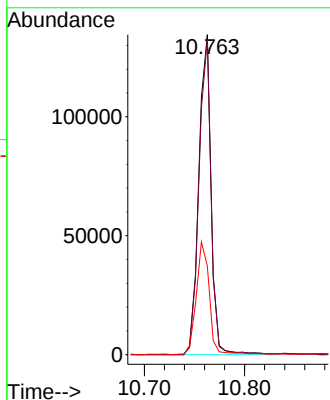
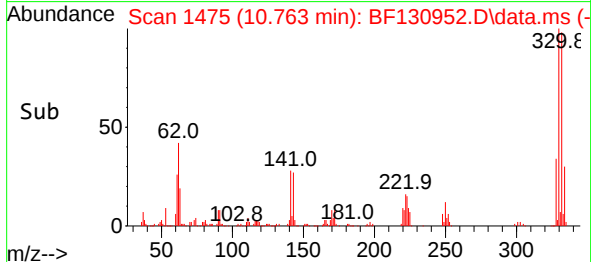
Instrument :
BNA_F
ClientSampleId :
TP-H



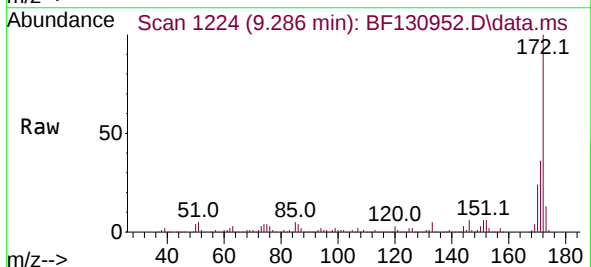
Tgt Ion: 330 Resp: 114499
Ion Ratio Lower Upper
330 100
332 96.9 76.2 114.4
141 37.3 31.4 47.0

Manual Integrations
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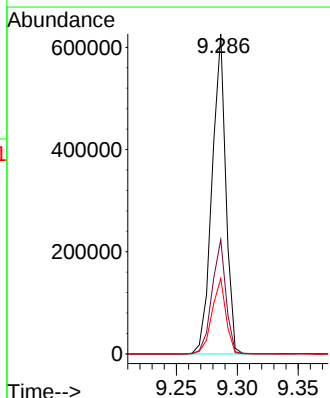
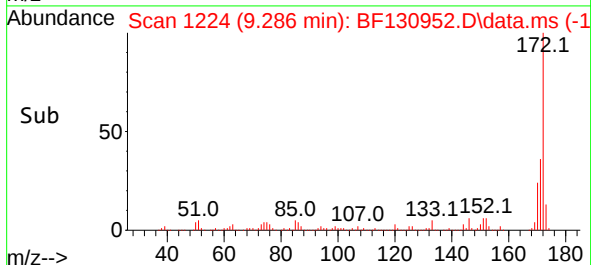
Reviewed By : Christian Giraldo 11/03/2022
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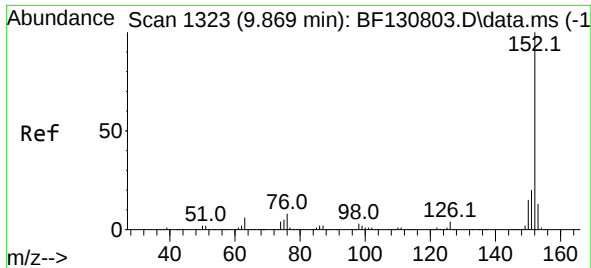


#45
2-Fluorobiphenyl
Concen: 89.748 ng
RT: 9.286 min Scan# 1224
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01



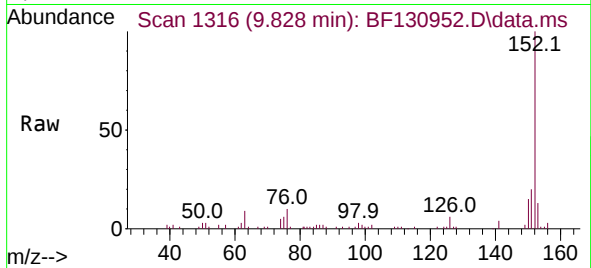
Tgt Ion: 172 Resp: 493748
Ion Ratio Lower Upper
172 100
171 35.7 28.1 42.1
170 23.6 19.0 28.4





#49
Acenaphthylene
Concen: 4.048 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

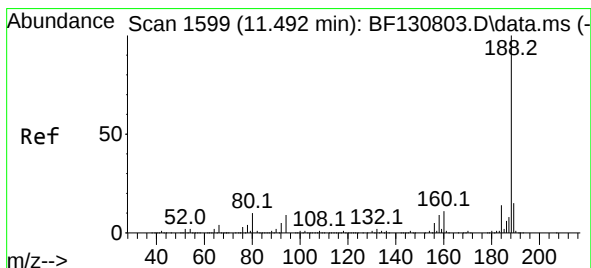
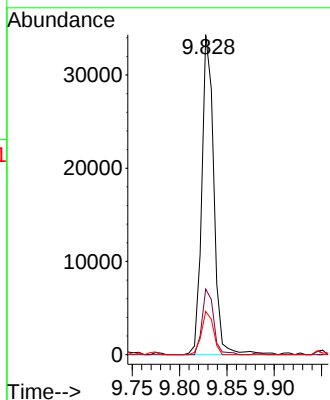
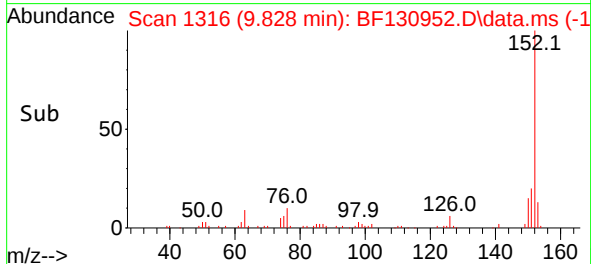
Instrument :
BNA_F
ClientSampleId :
TP-H



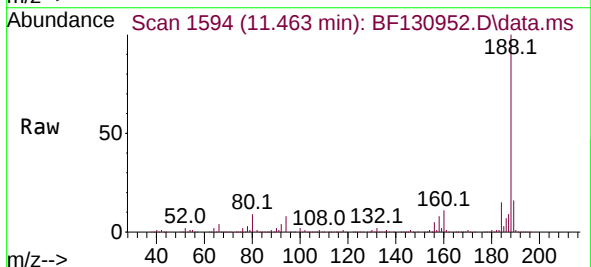
Tgt Ion:152 Resp: 30394
Ion Ratio Lower Upper
152 100
151 20.5 15.8 23.8
153 13.5 10.2 15.4

Manual Integrations
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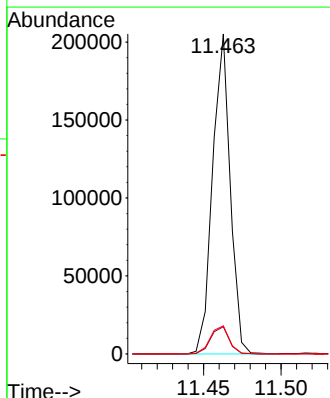
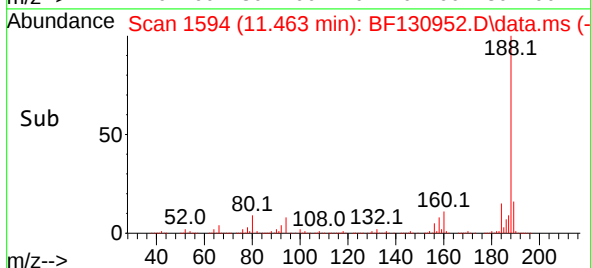
Reviewed By :Christian Giraldo 11/03/2022
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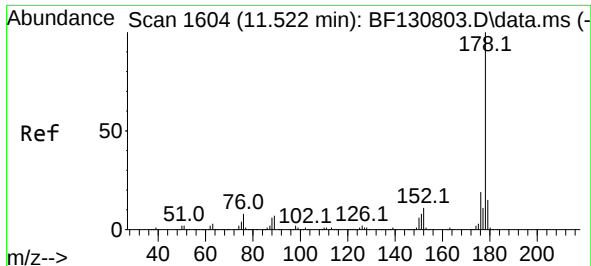


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01



Tgt Ion:188 Resp: 162465
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.2
80 8.8 8.0 12.0





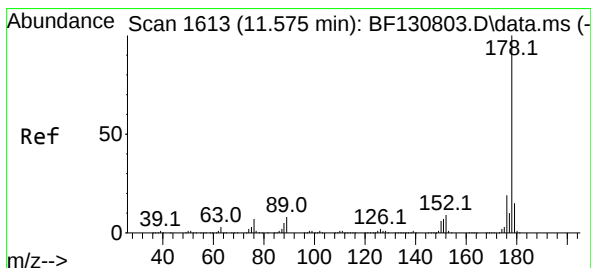
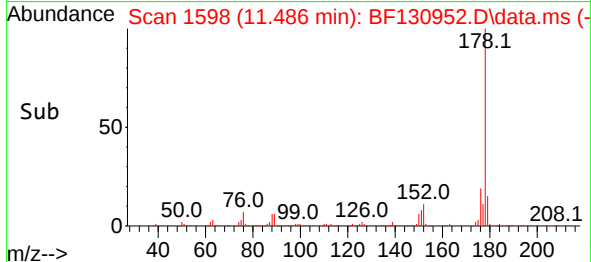
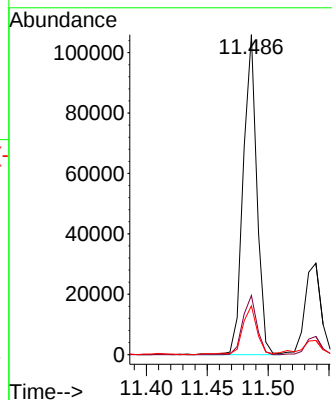
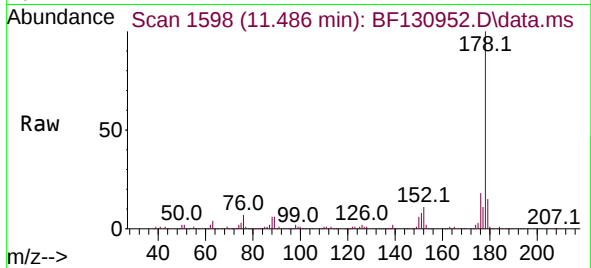
#71
Phenanthrene
Concen: 9.843 ng
RT: 11.486 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Instrument :
BNA_F
ClientSampleId :
TP-H

Tgt Ion:178 Resp: 8254
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.2 12.2 18.2

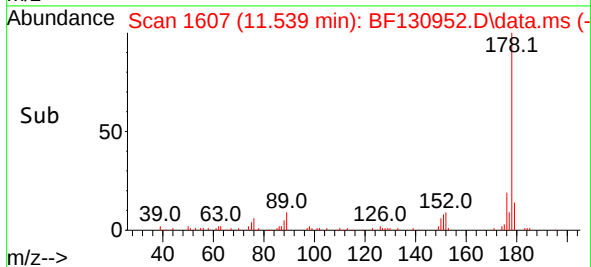
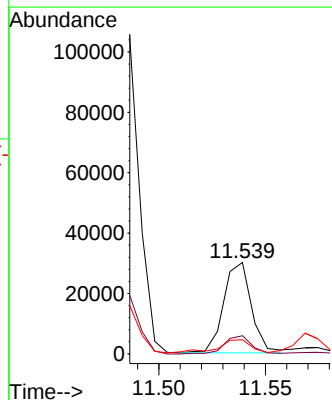
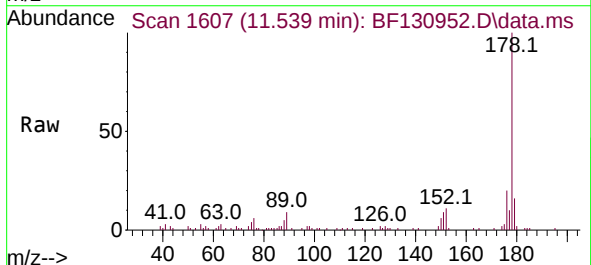
Manual Integrations
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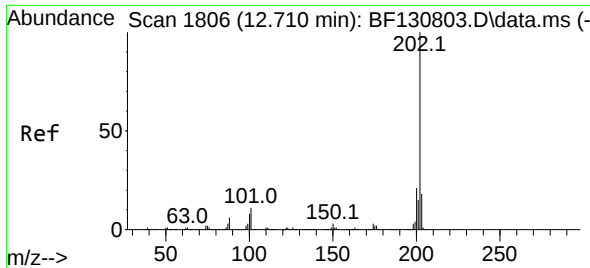
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#72
Anthracene
Concen: 3.284 ng
RT: 11.539 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

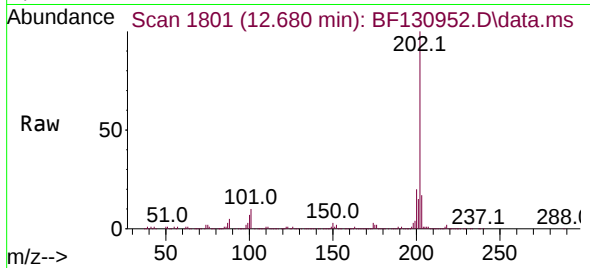
Tgt Ion:178 Resp: 27159
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.0
179 15.5 12.2 18.4





#75
Fluoranthene
Concen: 24.867 ng
RT: 12.680 min Scan# 1806
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

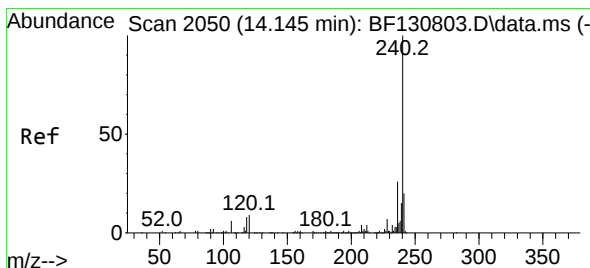
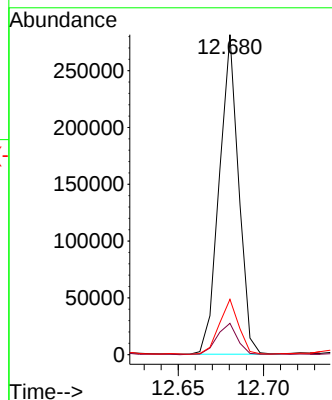
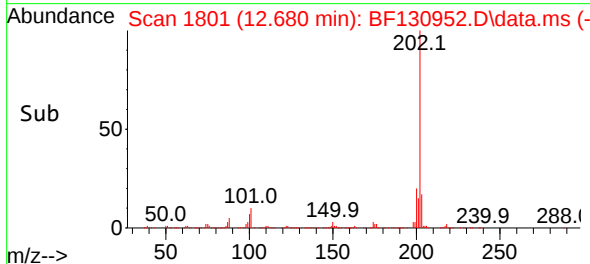
Instrument :
BNA_F
ClientSampleId :
TP-H



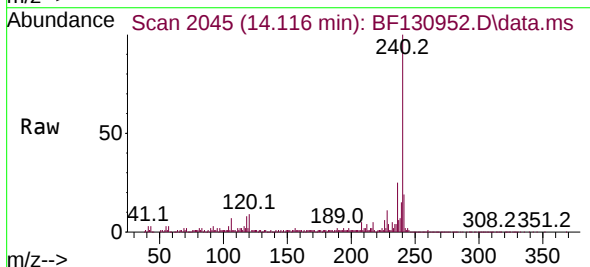
Tgt Ion:202 Resp: 221546
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.9
203 17.3 0.0 37.7

Manual Integrations
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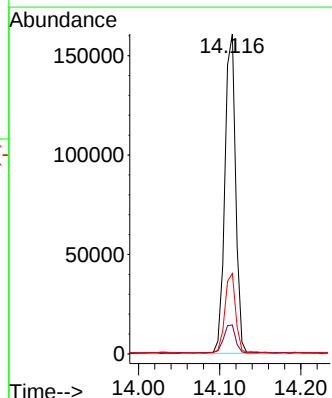
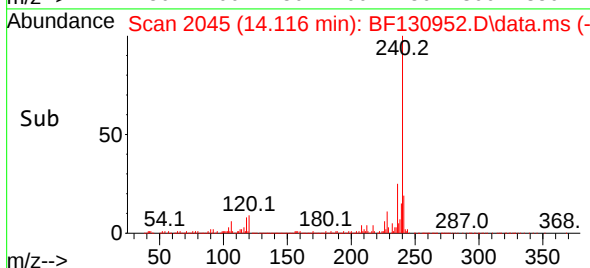
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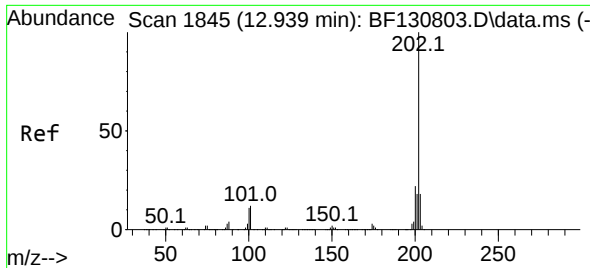


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01



Tgt Ion:240 Resp: 148342
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.4
236 25.1 20.5 30.7





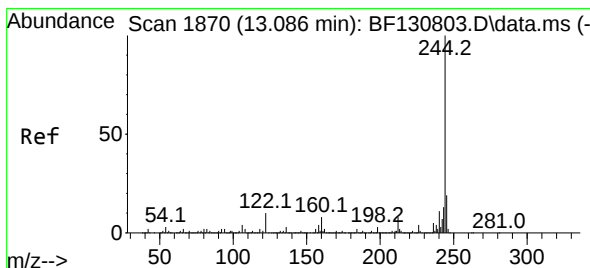
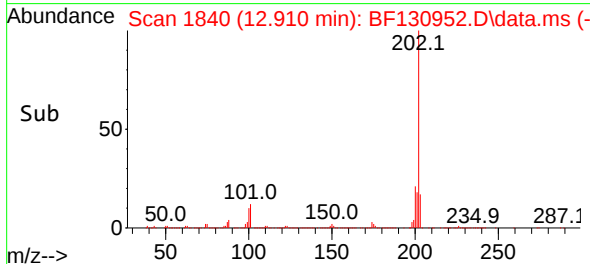
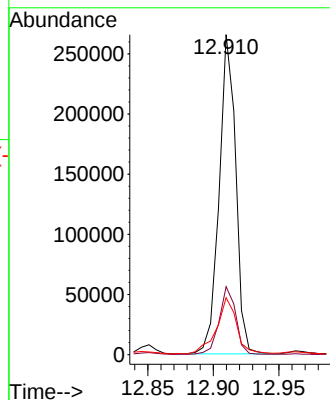
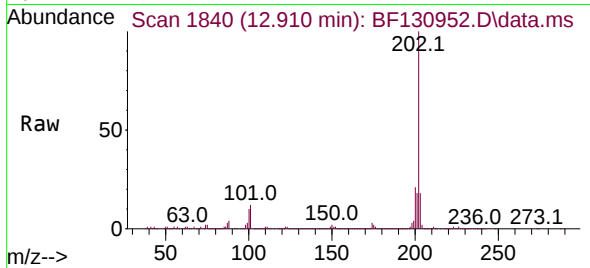
#78
Pyrene
Concen: 18.692 ng
RT: 12.910 min Scan# 1845
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Instrument :
BNA_F
ClientSampleId :
TP-H

Tgt Ion:202 Resp: 233937
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 17.8 14.5 21.7

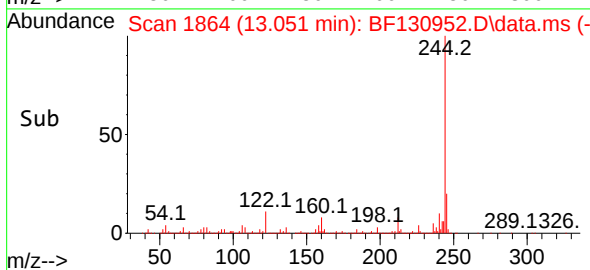
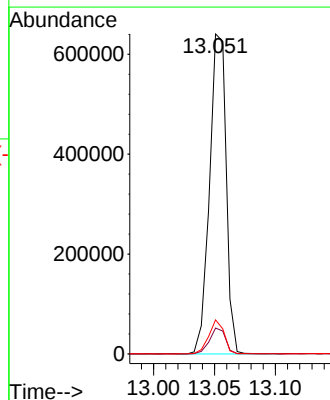
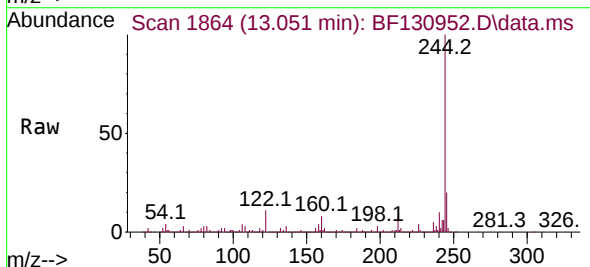
Manual Integrations
APPROVED

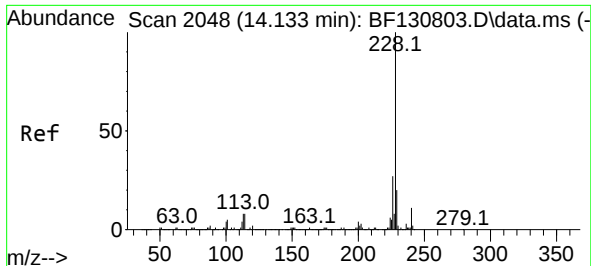
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#79
Terphenyl-d14
Concen: 75.476 ng
RT: 13.051 min Scan# 1864
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

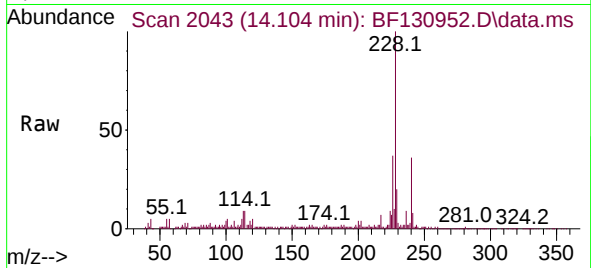
Tgt Ion:244 Resp: 611000
Ion Ratio Lower Upper
244 100
212 8.1 6.2 9.2
122 10.6 7.9 11.9





#81
Benzo(a)anthracene
Concen: 11.920 ng m
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

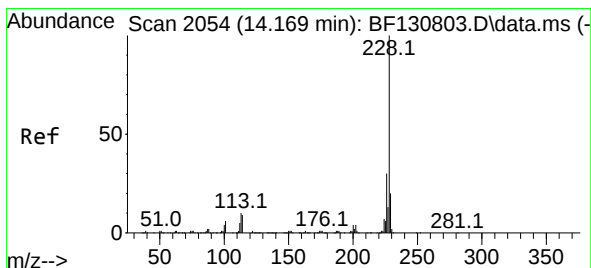
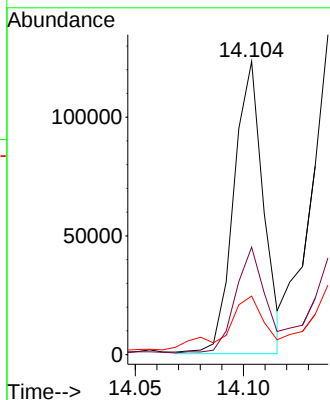
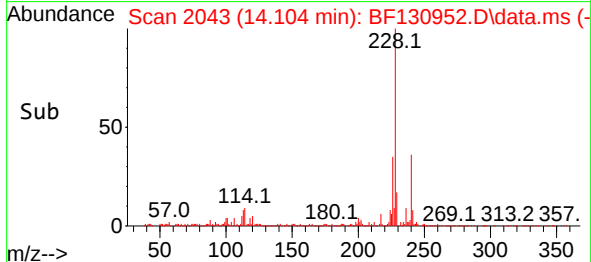
Instrument :
BNA_F
ClientSampleId :
TP-H



Tgt Ion:228 Resp: 117232
Ion Ratio Lower Upper
228 100
226 36.6 21.4 32.2
229 20.0 15.8 23.6

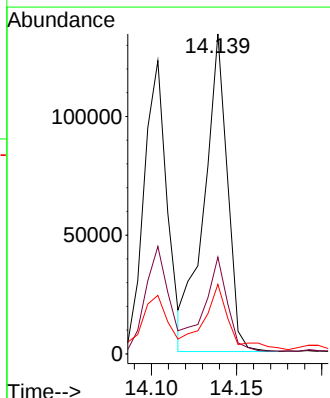
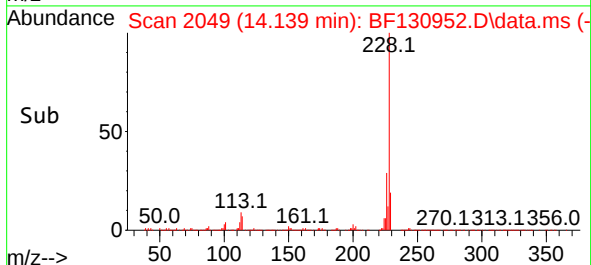
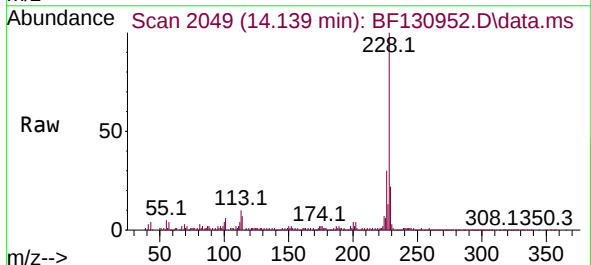
Manual Integrations
APPROVED

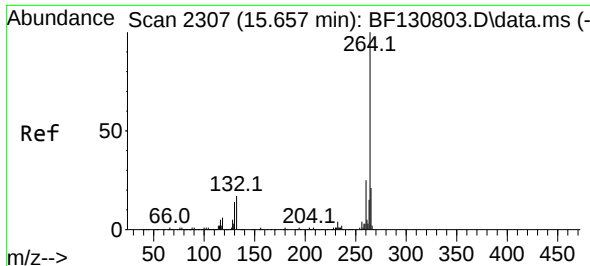
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#83
Chrysene
Concen: 13.397 ng
RT: 14.139 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:228 Resp: 127093
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 21.7 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2307
Delta R.T. -0.000 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Instrument :

BNA_F

ClientSampleId :

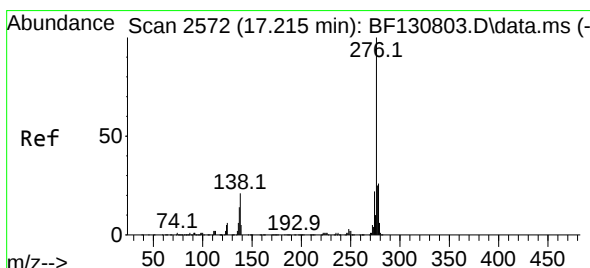
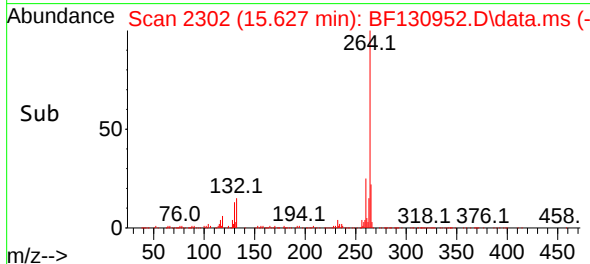
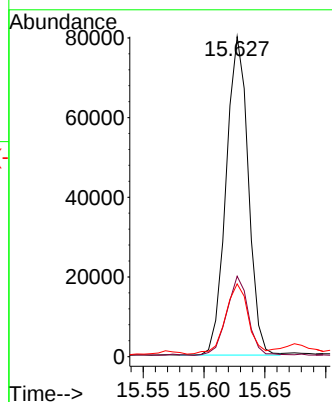
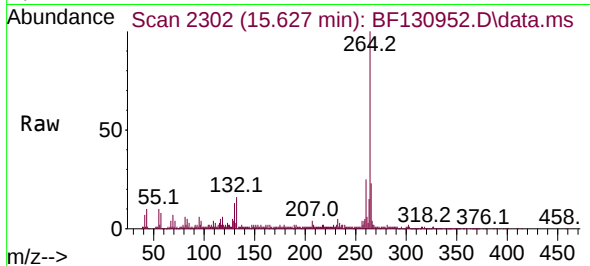
TP-H

Tgt Ion:264 Resp: 101200
Ion Ratio Lower Upper
264 100
260 25.1 19.9 29.9
265 22.7 17.0 25.6

Manual Integrations

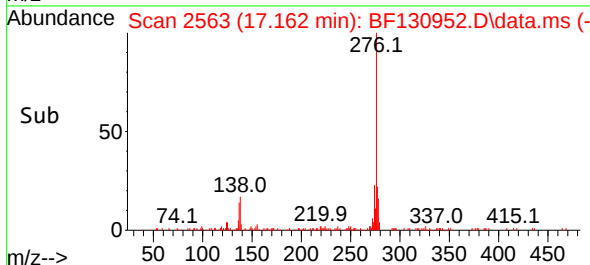
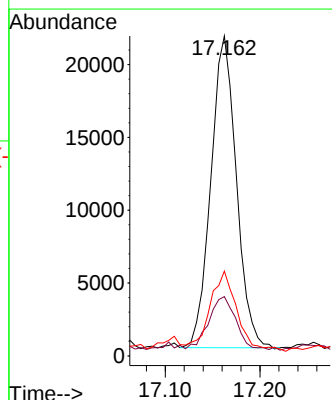
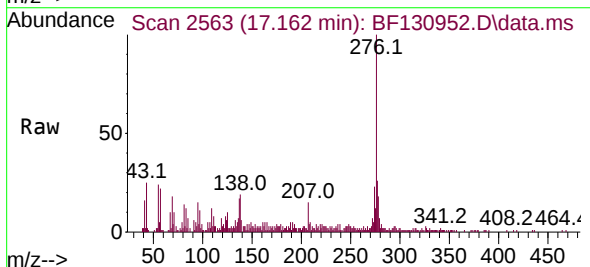
APPROVED

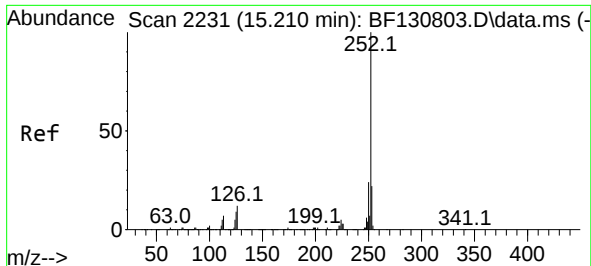
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.952 ng
RT: 17.162 min Scan# 2563
Delta R.T. -0.012 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:276 Resp: 40003
Ion Ratio Lower Upper
276 100
138 18.1 19.1 28.7#
277 27.7 20.1 30.1





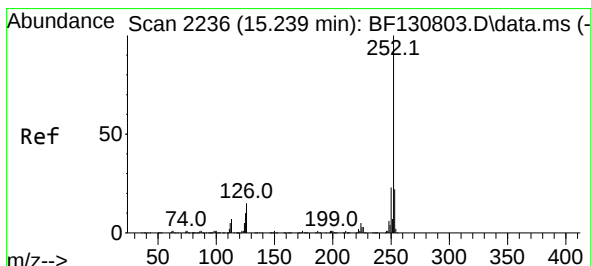
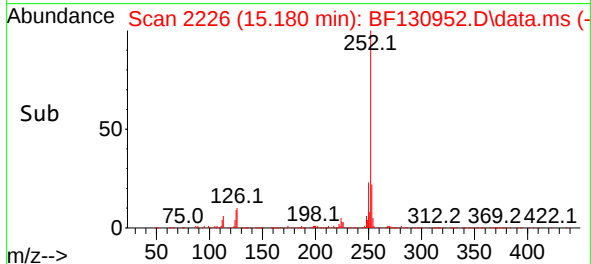
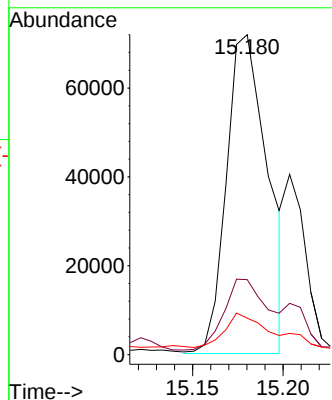
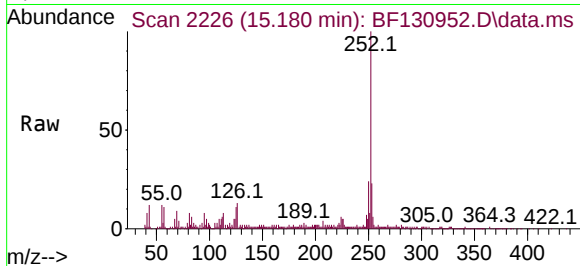
#88
Benzo(b)fluoranthene
Concen: 17.364 ng m
RT: 15.180 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Instrument :
BNA_F
ClientSampleId :
TP-H

Tgt Ion:252 Resp: 113595
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 11.4 7.0 10.4

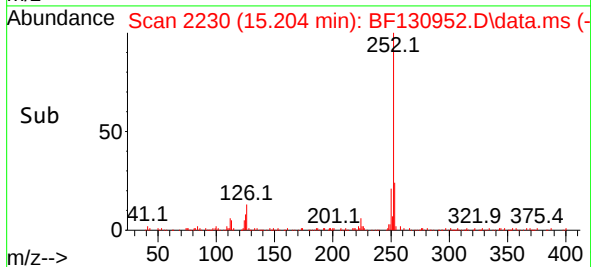
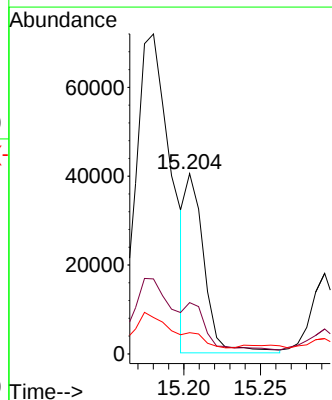
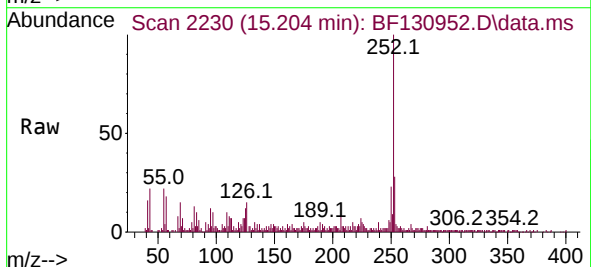
Manual Integrations
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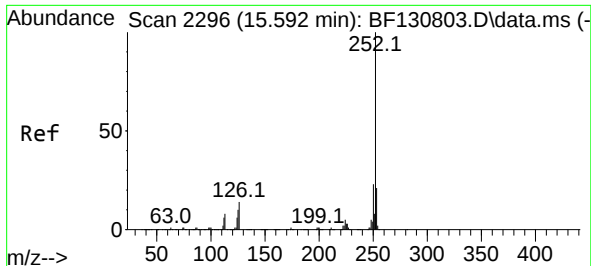
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#89
Benzo(k)fluoranthene
Concen: 5.347 ng m
RT: 15.204 min Scan# 2230
Delta R.T. -0.012 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Tgt Ion:252 Resp: 34082
Ion Ratio Lower Upper
252 100
253 28.4 17.5 26.3
125 11.7 8.0 12.0





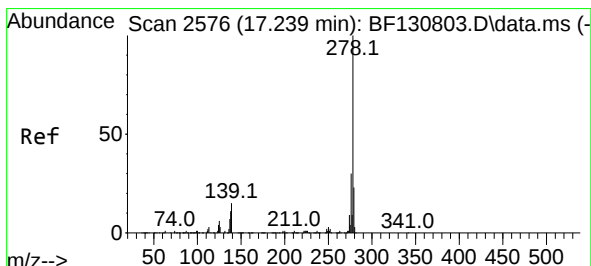
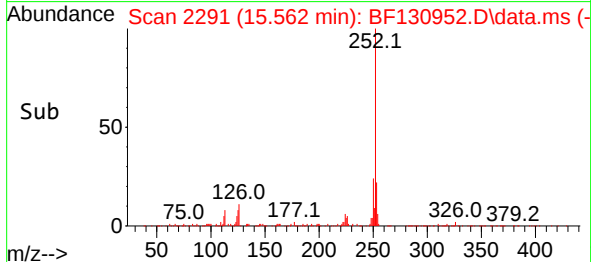
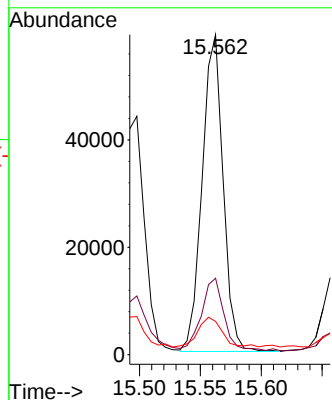
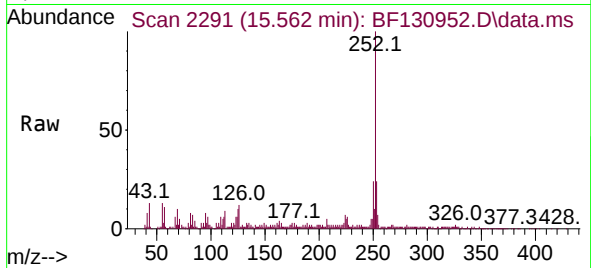
#90
Benzo(a)pyrene
Concen: 13.450 ng
RT: 15.562 min Scan# 2296
Delta R.T. -0.006 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

Instrument :
BNA_F
ClientSampleId :
TP-H

Tgt Ion:252 Resp: 70730
Ion Ratio Lower Upper
252 100
253 23.9 16.8 25.2
125 10.4 8.3 12.5

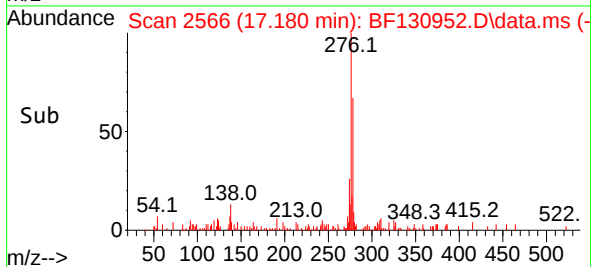
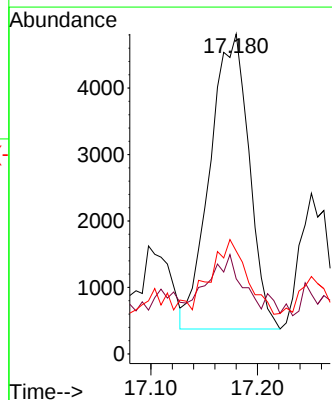
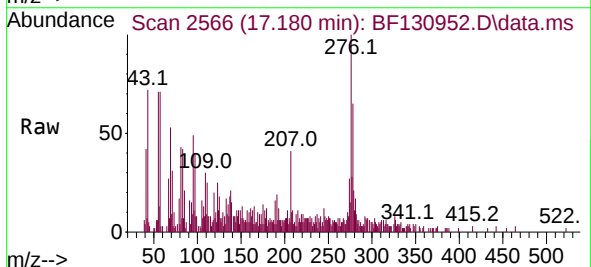
Manual Integrations
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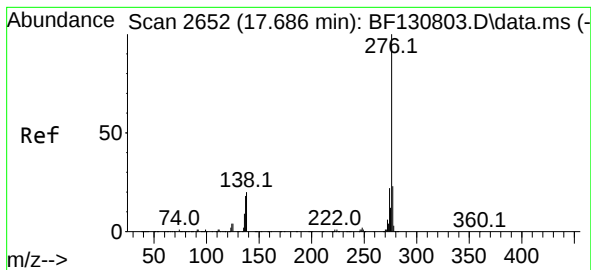
Reviewed By :Christian Giraldo 11/03/2022
Supervised By :Jagrut Upadhyay 11/03/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.062 ng
RT: 17.180 min Scan# 2566
Delta R.T. -0.018 min
Lab File: BF130952.D
Acq: 03 Nov 2022 03:01

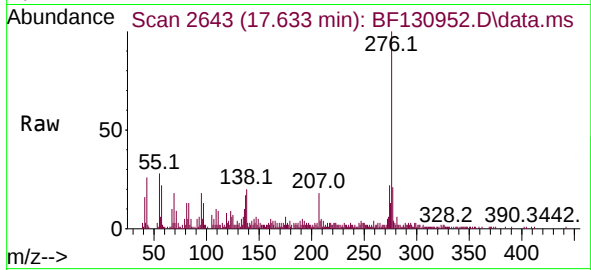
Tgt Ion:278 Resp: 11298
Ion Ratio Lower Upper
278 100
139 23.5 11.9 17.9#
279 32.1 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 7.059 ng
 RT: 17.633 min Scan# 2643
 Delta R.T. -0.018 min
 Lab File: BF130952.D
 Acq: 03 Nov 2022 03:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-H



Tgt Ion: 276 Resp: 3945

Ion	Ratio	Lower	Upper
276	100		
277	20.7	18.8	28.2
138	20.2	16.3	24.5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/03/2022
 Supervised By : Jagrut Upadhyay 11/03/2022

