

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130957.D
 Acq On : 03 Nov 2022 11:48
 Operator : CG\JU
 Sample : N5395-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-9-103122

Manual Integrations
 APPROVED

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

Quant Time: Nov 03 14:10:50 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	59503	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	227373	20.000	ng	-0.01
39) Acenaphthene-d10	9.969	164	114116	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	174531	20.000	ng	-0.01
76) Chrysene-d12	14.110	240	110979	20.000	ng	-0.01
86) Perylene-d12	15.621	264	125049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	411824	119.984	ng	0.00
7) Phenol-d6	6.545	99	519079	116.378	ng	0.00
23) Nitrobenzene-d5	7.487	82	347606	92.184	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	115157	119.877	ng	-0.01
45) 2-Fluorobiphenyl	9.286	172	533489	70.680	ng	0.00
79) Terphenyl-d14	13.051	244	367162	60.625	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.316	107	23068	5.429	ng	83
71) Phenanthrene	11.480	178	34560	3.837	ng	98
75) Fluoranthene	12.674	202	62341	6.513	ng	97
78) Pyrene	12.904	202	52934	5.653	ng	98
81) Benzo(a)anthracene	14.098	228	25983	3.531	ng	94
83) Chrysene	14.133	228	29266	4.124	ng	97
87) Indeno(1,2,3-cd)pyrene	17.145	276	21181	2.551	ng	99
88) Benzo(b)fluoranthene	15.168	252	41781m	5.169	ng	
90) Benzo(a)pyrene	15.551	252	28600	4.401	ng	96
92) Benzo(g,h,i)perylene	17.615	276	19433	2.814	ng	99

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

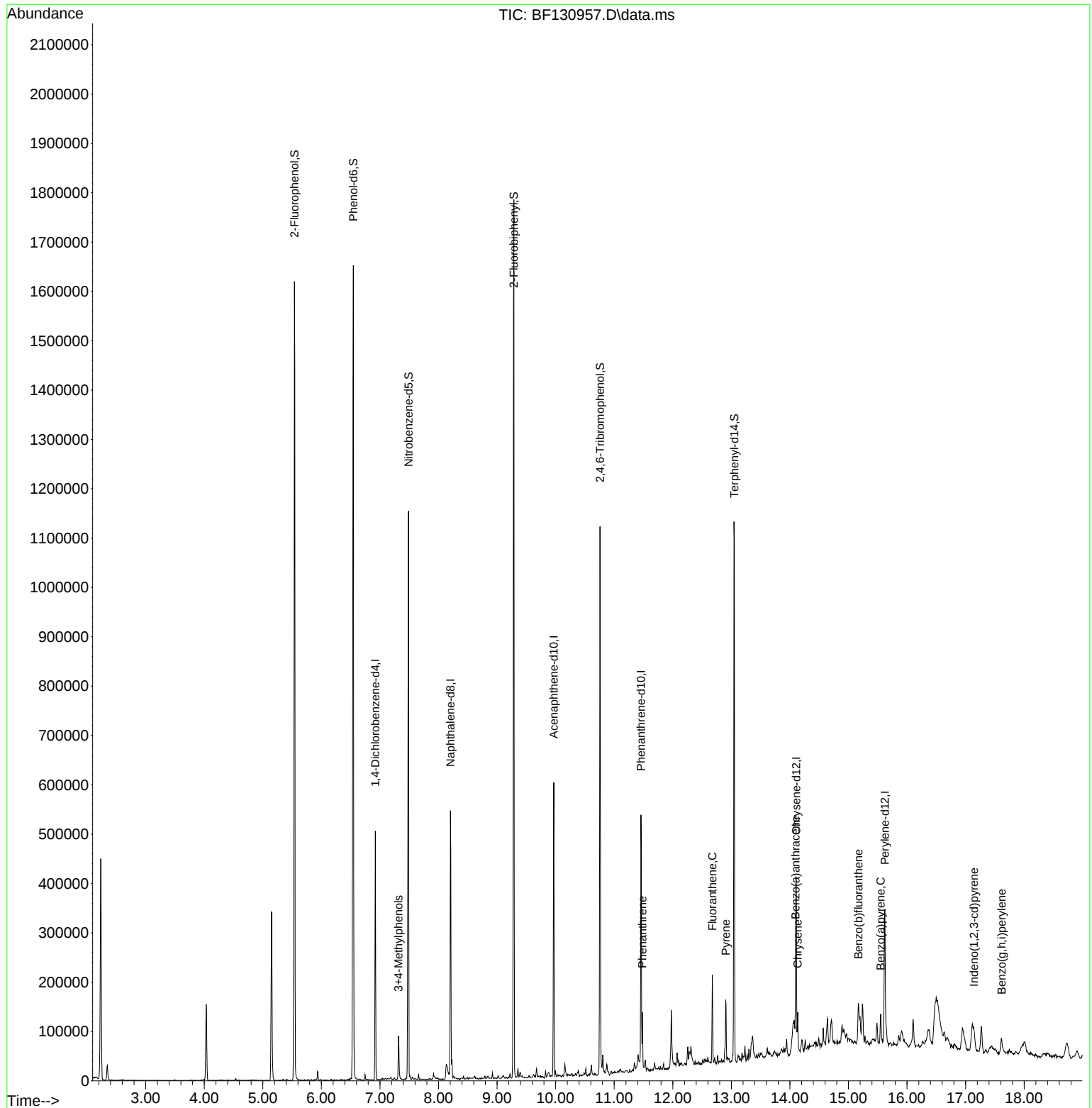
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
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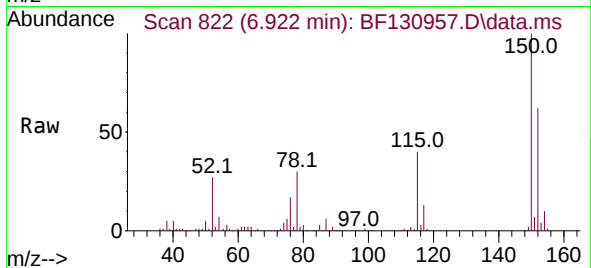
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

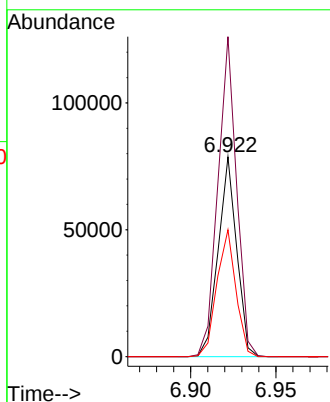
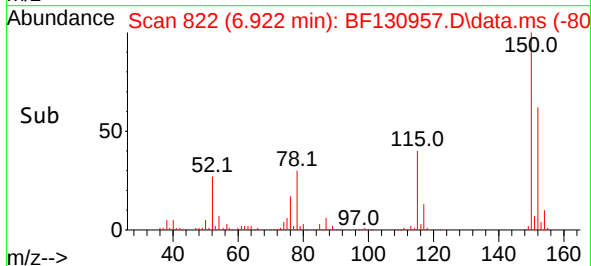
Instrument :
BNA_F
ClientSampleId :
S-9-103122



Tgt Ion:152 Resp: 59503
Ion Ratio Lower Upper
152 100
150 160.2 124.1 186.1
115 63.4 50.1 75.1

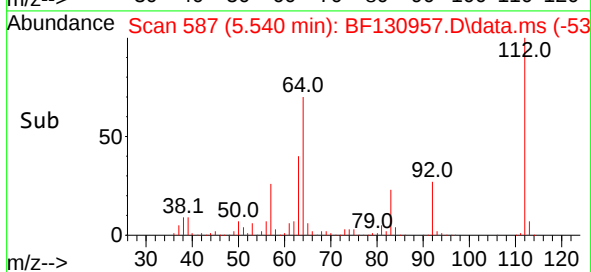
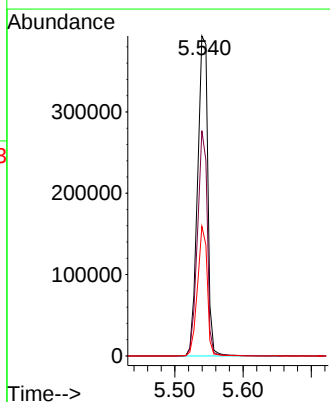
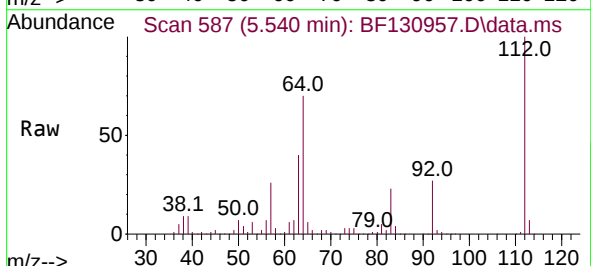
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#5
2-Fluorophenol
Concen: 119.984 ng
RT: 5.540 min Scan# 587
Delta R.T. -0.000 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

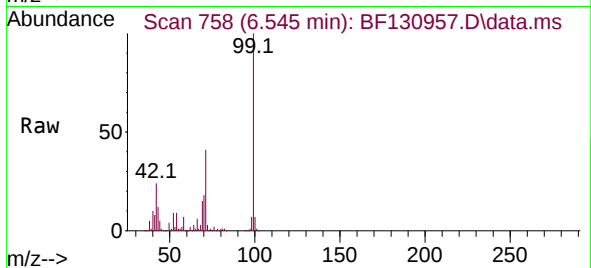
Tgt Ion:112 Resp: 411824
Ion Ratio Lower Upper
112 100
64 70.4 53.9 80.9
63 40.5 29.4 44.2





#7
Phenol-d6
Concen: 116.378 ng
RT: 6.545 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

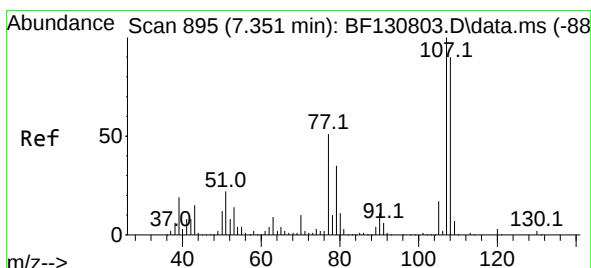
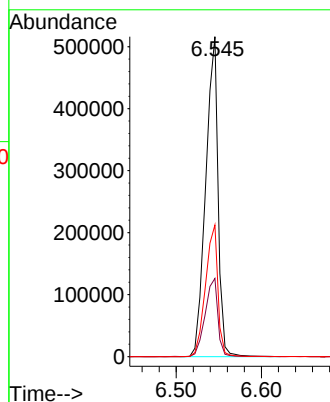
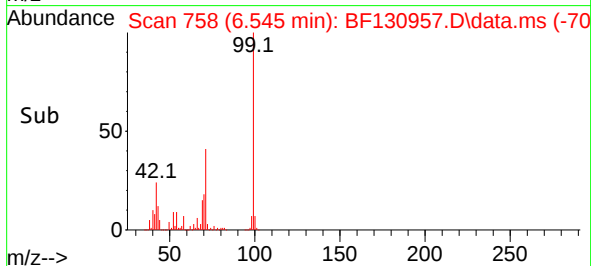
Instrument :
BNA_F
ClientSampleId :
S-9-103122



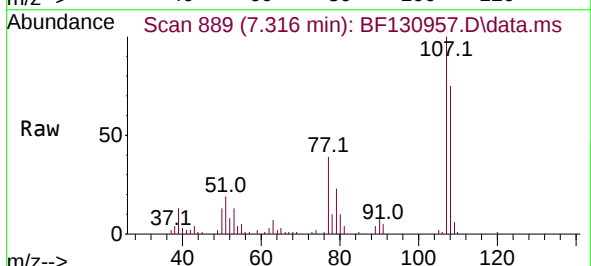
Tgt Ion: 99 Resp: 519079
Ion Ratio Lower Upper
99 100
42 24.4 18.8 28.2
71 41.1 31.4 47.0

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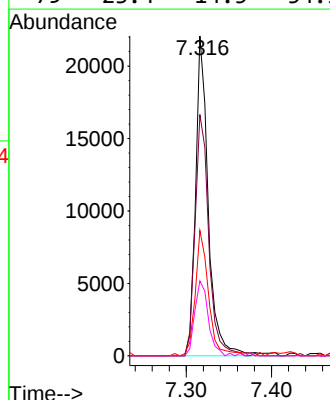
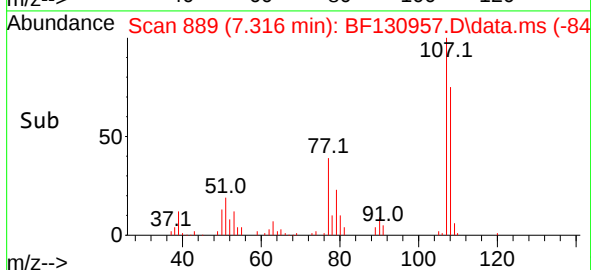
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

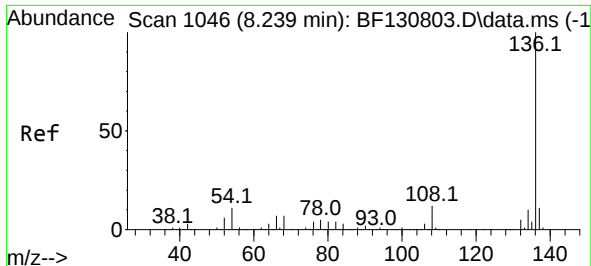


#20
3+4-Methylphenols
Concen: 5.429 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48



Tgt Ion:107 Resp: 23068
Ion Ratio Lower Upper
107 100
108 75.4 70.4 110.4
77 39.2 31.1 71.1
79 23.4 14.5 54.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1046
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Instrument :

BNA_F

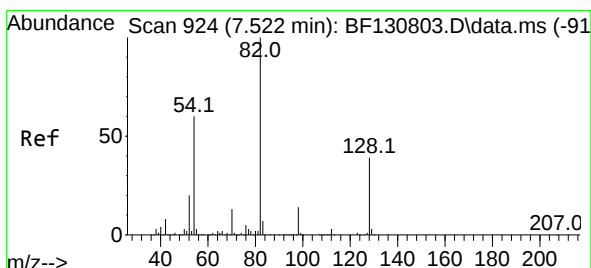
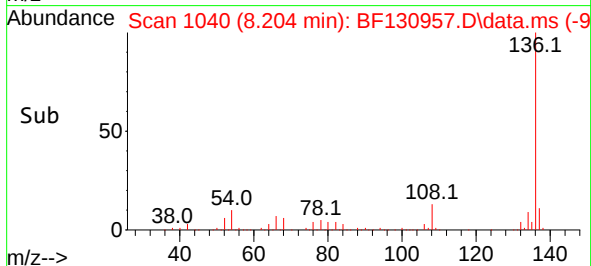
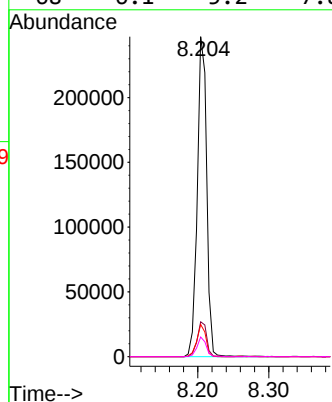
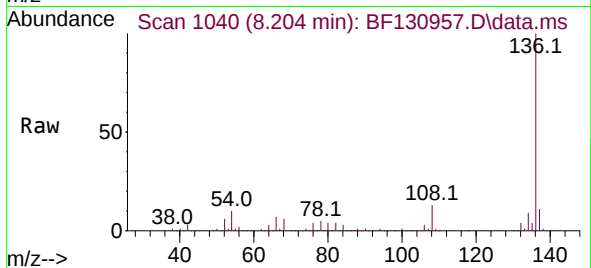
ClientSampleId :

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Tgt Ion:136 Resp: 227373
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 10.0 8.8 13.2
68 6.1 5.2 7.8

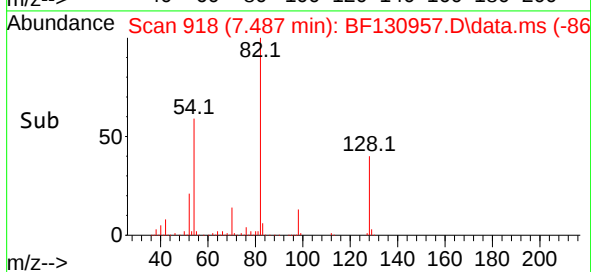
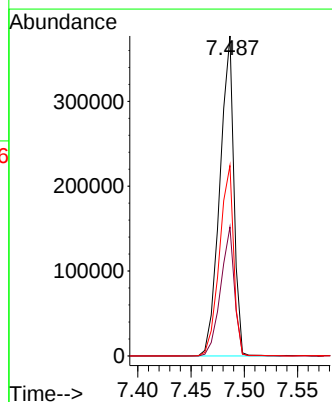
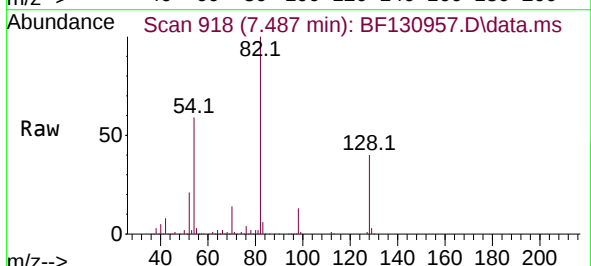
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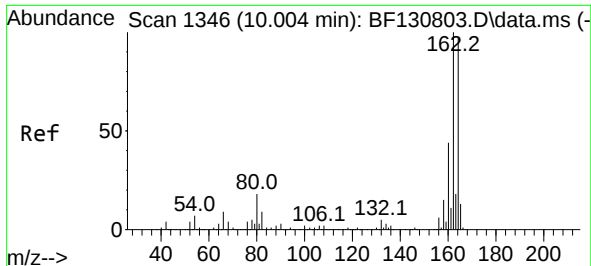
Reviewed By :Christian Giraldo 11/04/2022
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#23
Nitrobenzene-d5
Concen: 92.184 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.006 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

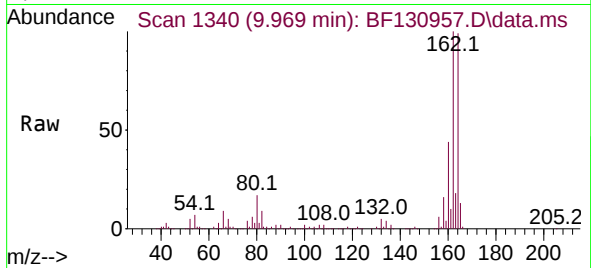
Tgt Ion: 82 Resp: 347606
Ion Ratio Lower Upper
82 100
128 40.3 31.2 46.8
54 59.5 48.0 72.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

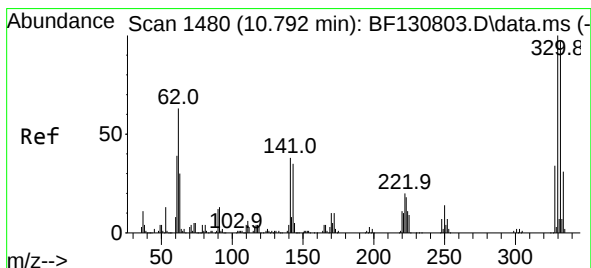
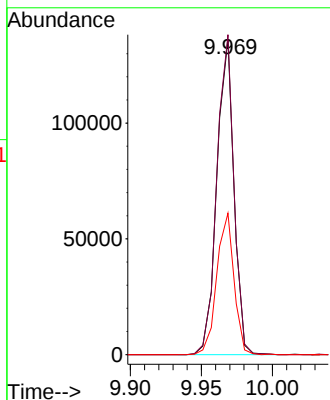
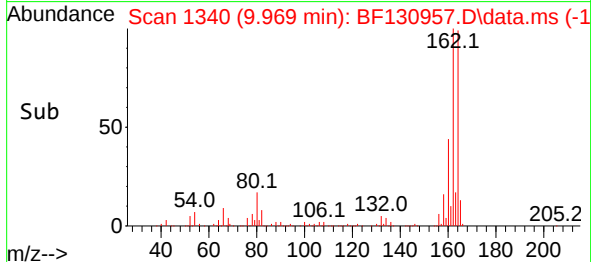
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S-9-103122



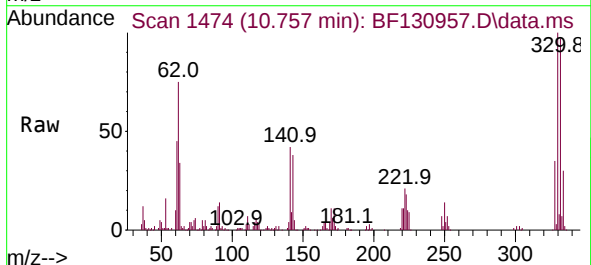
Tgt Ion:164 Resp: 114116
Ion Ratio Lower Upper
164 100
162 101.4 82.2 123.2
160 44.8 36.6 54.8

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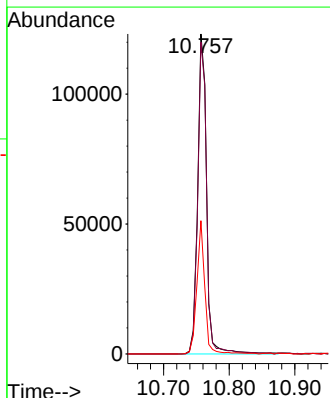
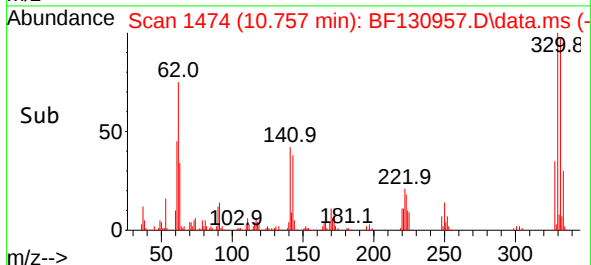
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

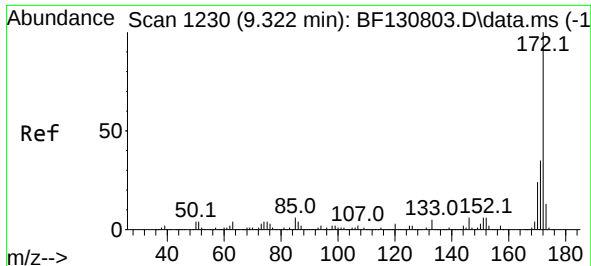


#42
2,4,6-Tribromophenol
Concen: 119.877 ng
RT: 10.757 min Scan# 1474
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48



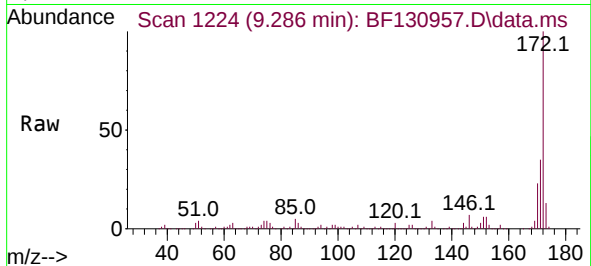
Tgt Ion:330 Resp: 115157
Ion Ratio Lower Upper
330 100
332 97.4 76.2 114.4
141 37.6 31.4 47.0





#45
2-Fluorobiphenyl
Concen: 70.680 ng
RT: 9.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

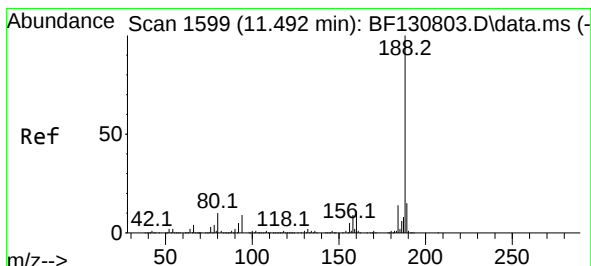
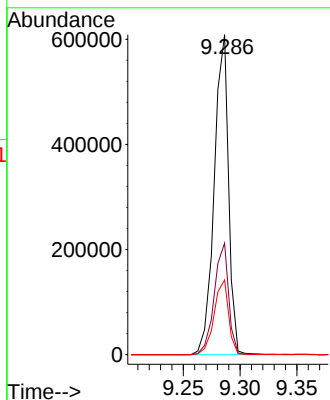
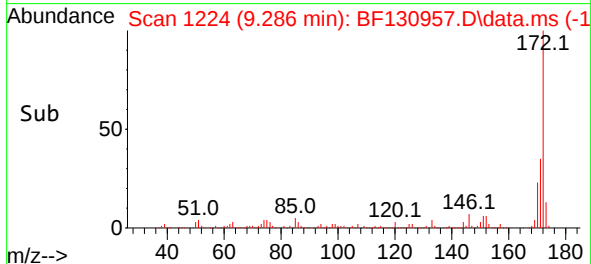
Instrument :
BNA_F
ClientSampleId :
S-9-103122



Tgt Ion:172 Resp: 533489
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.3 19.0 28.4

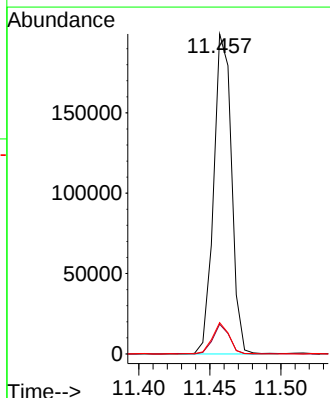
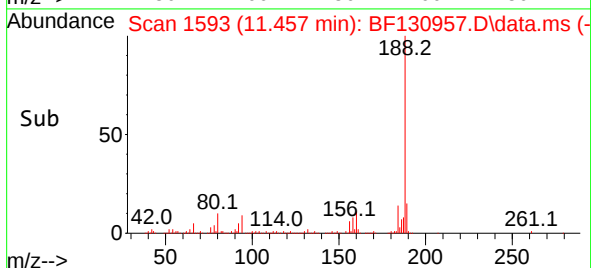
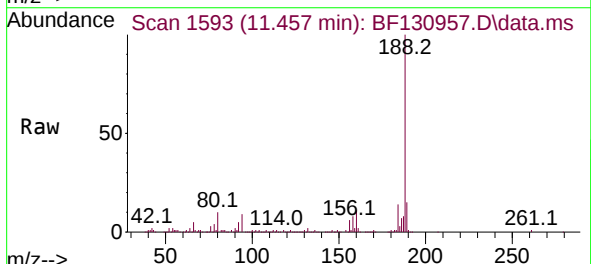
Manual Integrations
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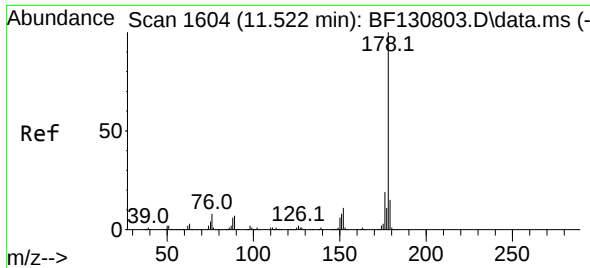
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1593
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion:188 Resp: 174531
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.2
80 9.8 8.0 12.0





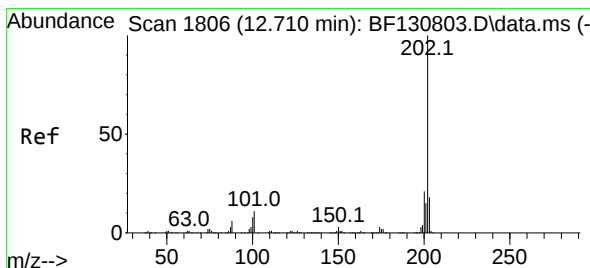
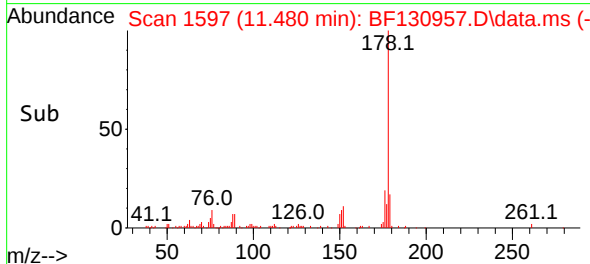
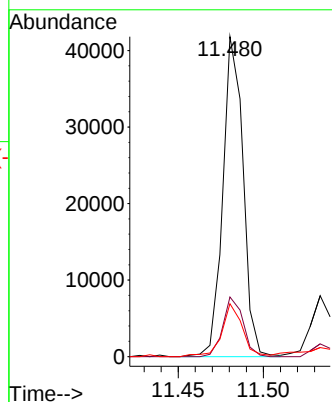
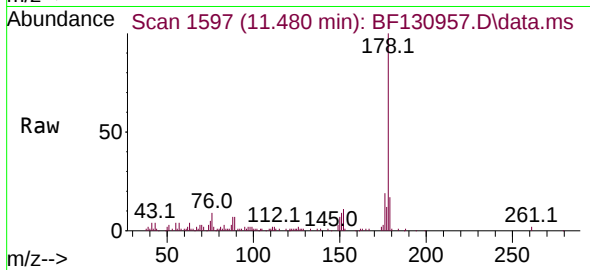
#71
Phenanthrene
Concen: 3.837 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Instrument :
BNA_F
ClientSampleId :
S-9-103122

Tgt Ion:178 Resp: 34560
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 16.5 12.2 18.2

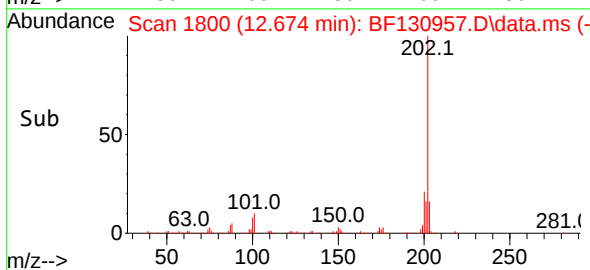
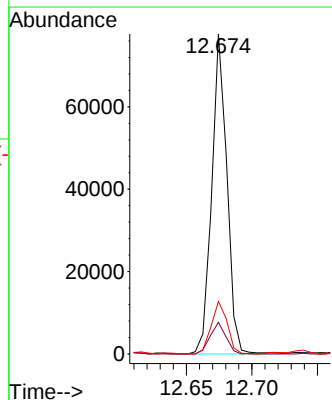
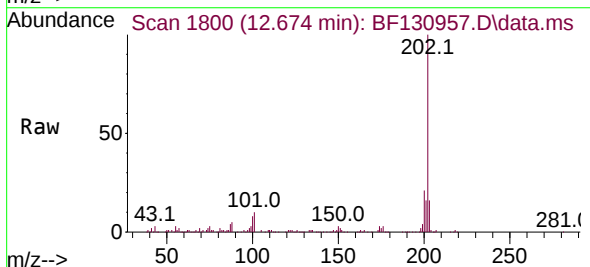
Manual Integrations
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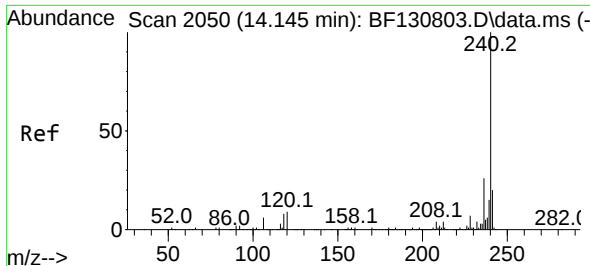
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#75
Fluoranthene
Concen: 6.513 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion:202 Resp: 62341
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.9
203 16.4 0.0 37.7





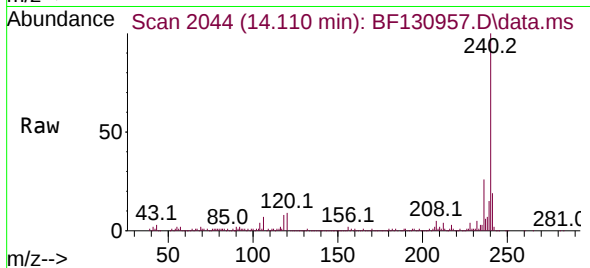
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Instrument :

BNA_F

ClientSampleId :

S-9-103122

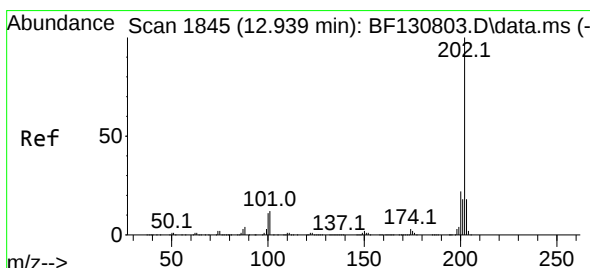
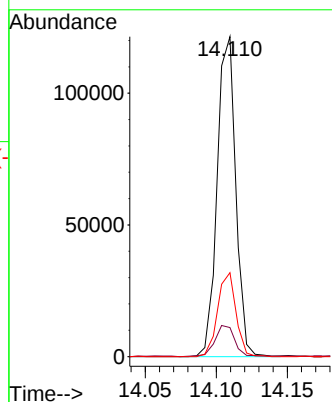
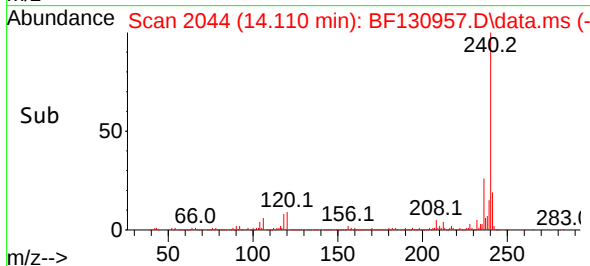


Tgt Ion:240 Resp: 110979
Ion Ratio Lower Upper
240 100
120 9.1 7.0 10.4
236 26.2 20.5 30.7

Manual Integrations

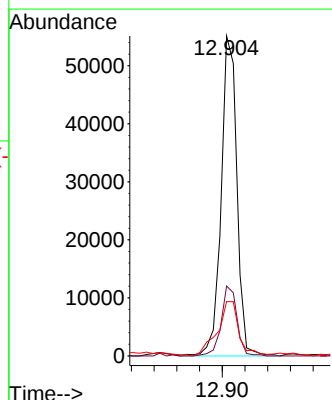
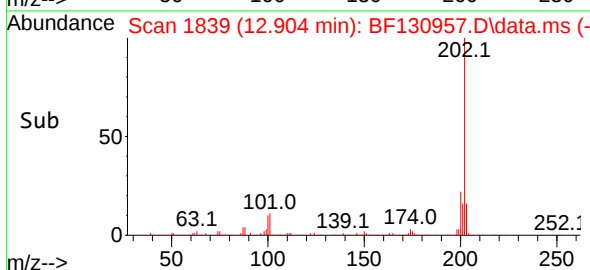
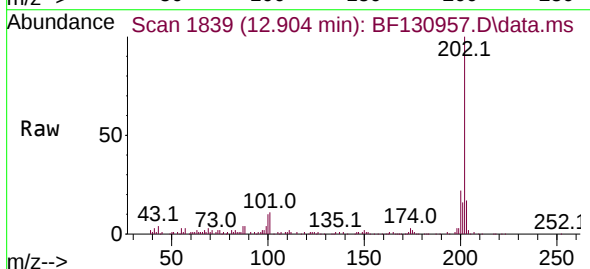
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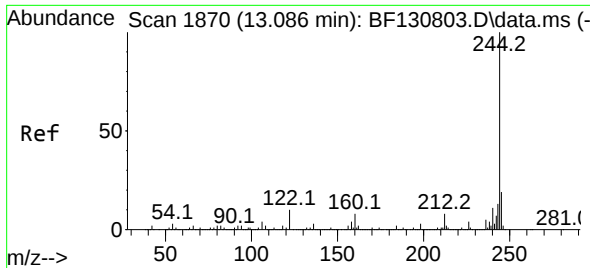
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#78
Pyrene
Concen: 5.653 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

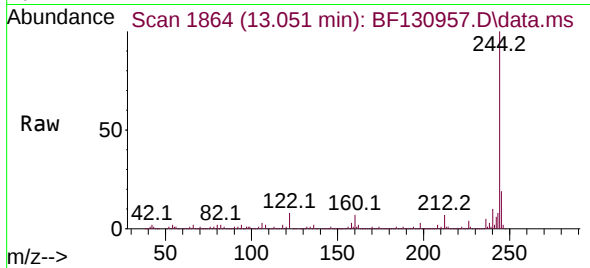
Tgt Ion:202 Resp: 52934
Ion Ratio Lower Upper
202 100
200 21.8 17.2 25.8
203 17.0 14.5 21.7





#79
 Terphenyl-d14
 Concen: 60.625 ng
 RT: 13.051 min Scan# 1870
 Delta R.T. -0.006 min
 Lab File: BF130957.D
 Acq: 03 Nov 2022 11:48

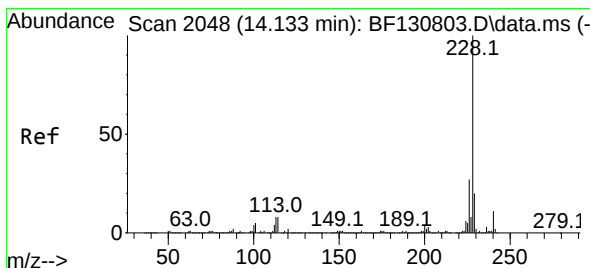
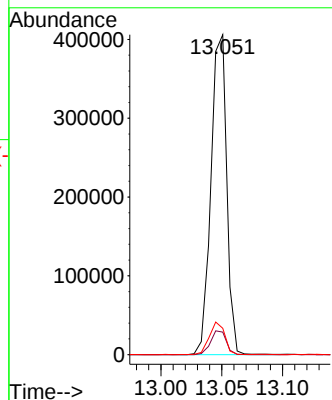
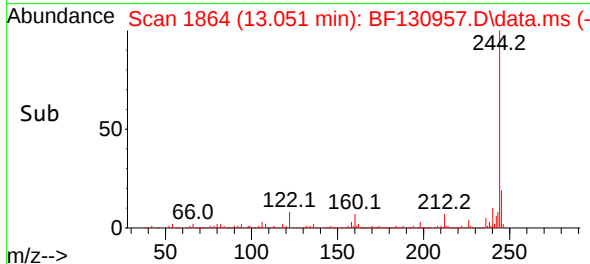
Instrument :
 BNA_F
 ClientSampleId :
 S-9-103122



Tgt Ion:244 Resp: 367162
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.2 9.2
 122 8.2 7.9 11.9

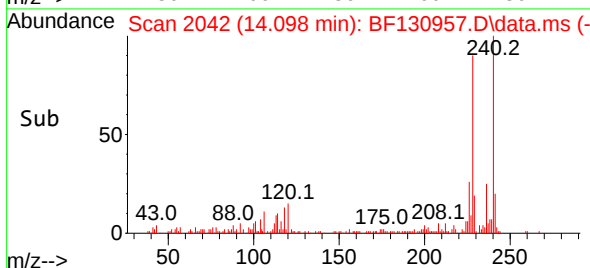
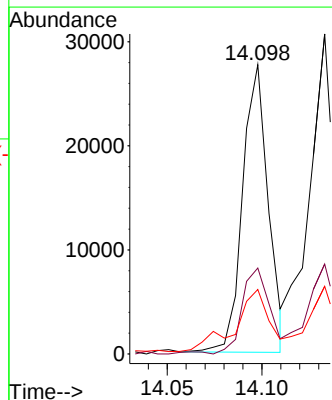
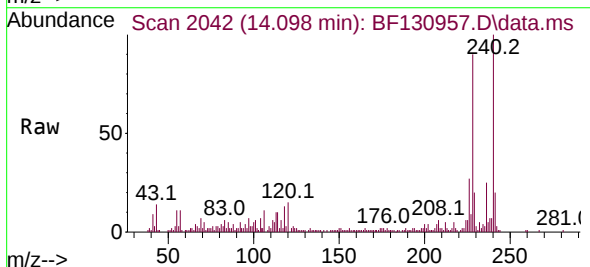
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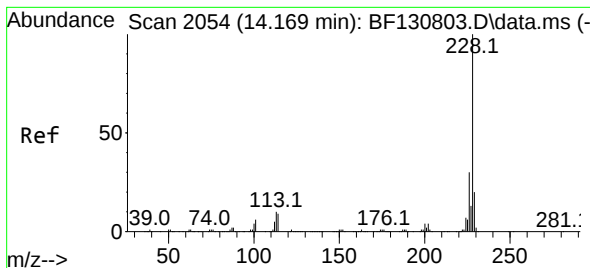
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#81
 Benzo(a)anthracene
 Concen: 3.531 ng
 RT: 14.098 min Scan# 2042
 Delta R.T. -0.012 min
 Lab File: BF130957.D
 Acq: 03 Nov 2022 11:48

Tgt Ion:228 Resp: 25983
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.4 32.2
 229 22.3 15.8 23.6





#83

Chrysene

Concen: 4.124 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.012 min

Lab File: BF130957.D

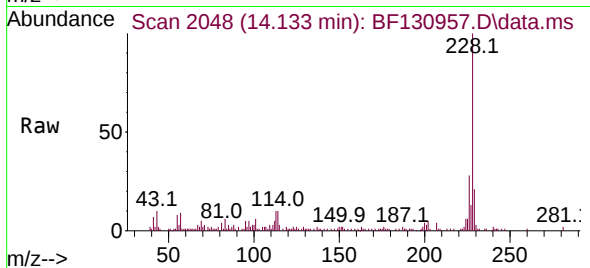
Acq: 03 Nov 2022 11:48

Instrument :

BNA_F

ClientSampleId :

S-9-103122



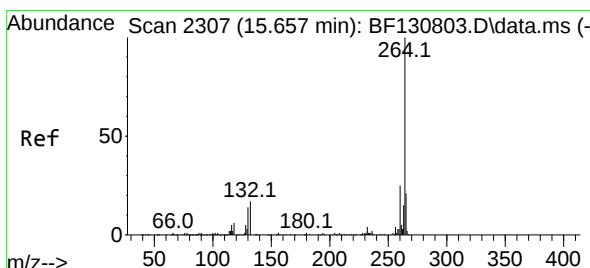
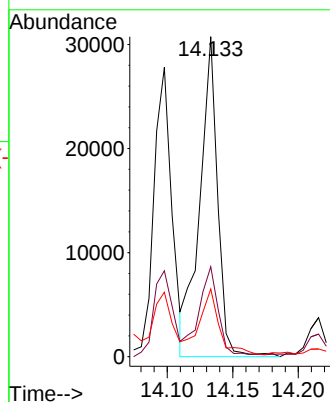
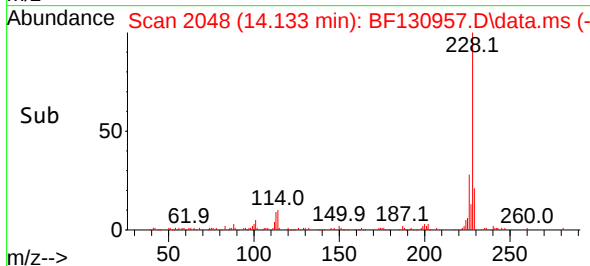
Tgt Ion:	228	Resp:	29266
Ion Ratio	Lower	Upper	
228	100		
226	28.1	23.9	35.9
229	21.1	15.8	23.6

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

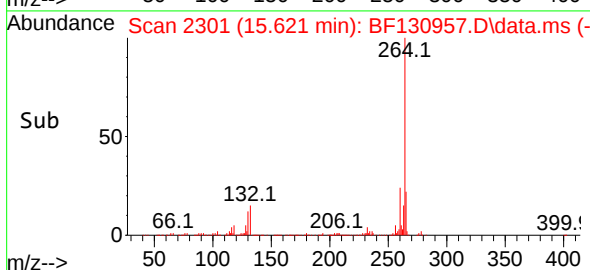
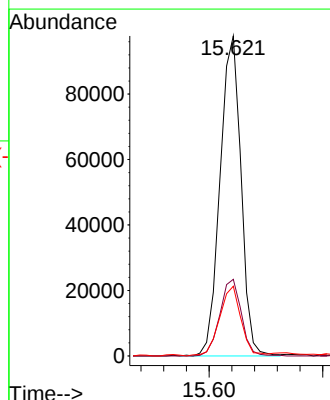
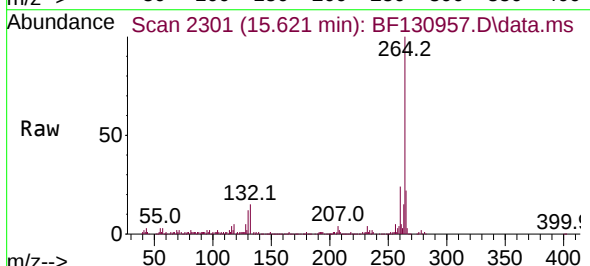
RT: 15.621 min Scan# 2301

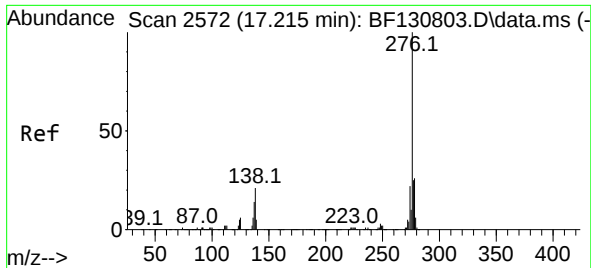
Delta R.T. -0.006 min

Lab File: BF130957.D

Acq: 03 Nov 2022 11:48

Tgt Ion:	264	Resp:	125049
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.9	29.9
265	21.8	17.0	25.6





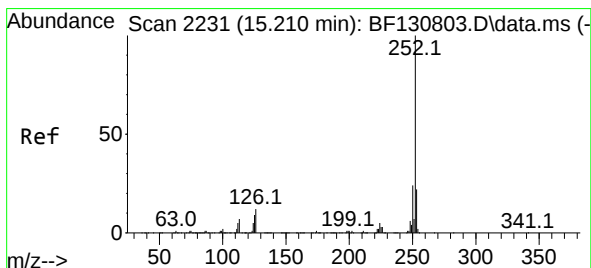
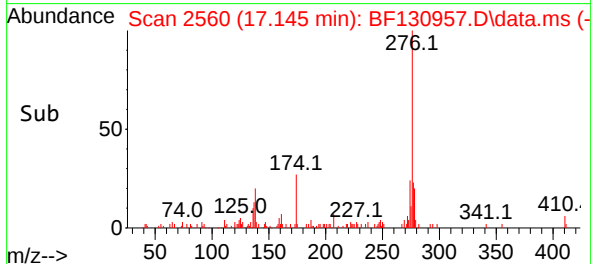
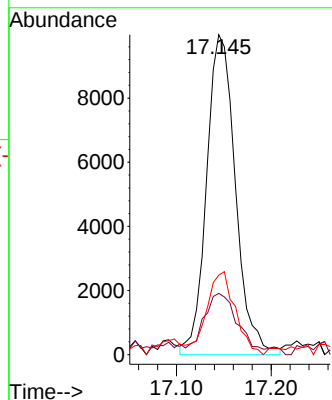
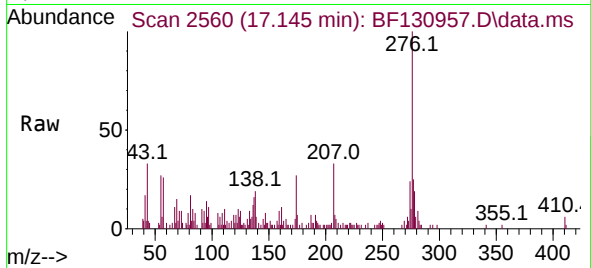
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.551 ng
RT: 17.145 min Scan# 2118
Delta R.T. -0.029 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Instrument :
BNA_F
ClientSampleId :
S-9-103122

Tgt Ion: 276 Resp: 2118
Ion Ratio Lower Upper
276 100
138 23.5 19.1 28.7
277 25.6 20.1 30.1

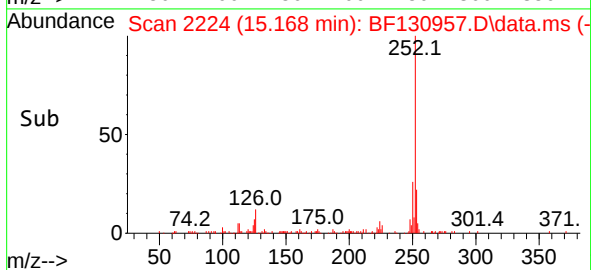
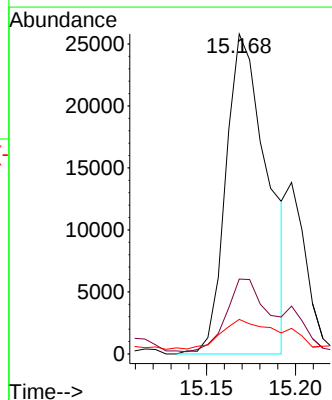
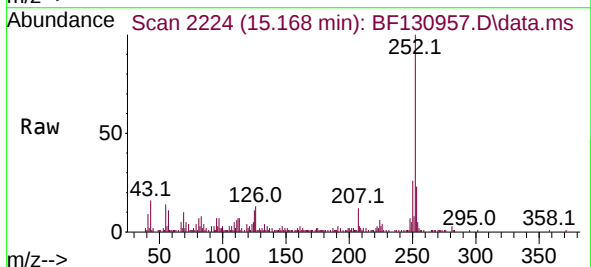
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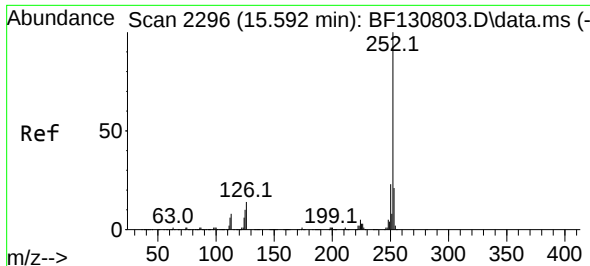
Reviewed By : Christian Giraldo 11/04/2022
Supervised By : Sohil Jodhani 11/04/2022



#88
Benzo(b)fluoranthene
Concen: 5.169 ng m
RT: 15.168 min Scan# 2224
Delta R.T. -0.012 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

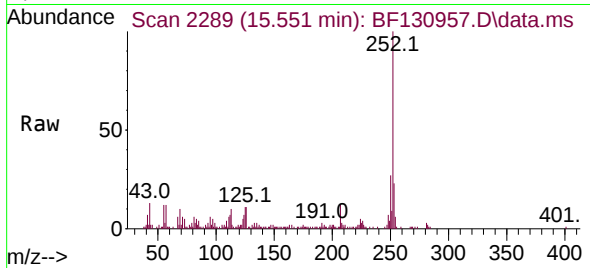
Tgt Ion: 252 Resp: 41781
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.8 7.0 10.4#





#90
Benzo(a)pyrene
Concen: 4.401 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

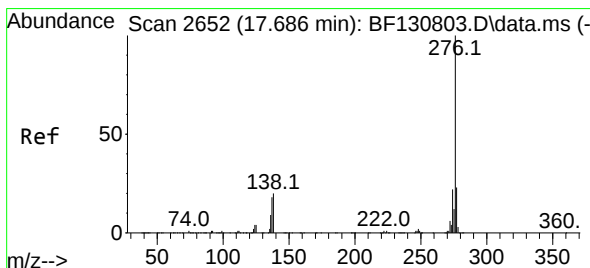
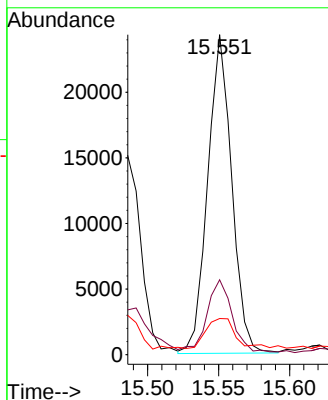
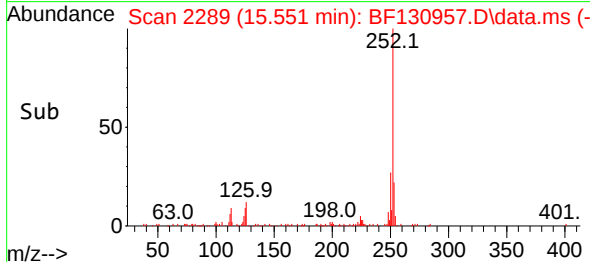
Instrument :
BNA_F
ClientSampleId :
S-9-103122



Tgt Ion:252 Resp: 28600
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 11.3 8.3 12.5

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



#92
Benzo(g,h,i)perylene
Concen: 2.814 ng
RT: 17.615 min Scan# 2640
Delta R.T. -0.035 min
Lab File: BF130957.D
Acq: 03 Nov 2022 11:48

Tgt Ion:276 Resp: 19433
Ion Ratio Lower Upper
276 100
277 24.3 18.8 28.2
138 20.3 16.3 24.5

