

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133047.D
 Acq On : 26 Apr 2023 01:34
 Operator : CG\JU
 Sample : 02390-11 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPC-3WC-23-04-17

Quant Time: Apr 26 02:21:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/26/2023
 Supervised By : Jagrut Upadhyay 04/26/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	216725	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	816217	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	409796	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	655111	20.000	ng	0.00
76) Chrysene-d12	13.892	240	431398	20.000	ng	0.00
86) Perylene-d12	15.321	264	429082	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	454119	31.653	ng	-0.01
7) Phenol-d6	6.375	99	567143	31.849	ng	-0.01
23) Nitrobenzene-d5	7.298	82	354660	23.454	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	116898	28.364	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	622823	25.427	ng	-0.01
79) Terphenyl-d14	12.839	244	462327	18.483	ng	-0.01
Target Compounds						Qvalue
6) Aniline	6.463	93	1363980m	59.470	ng	
14) 1,2-Dichlorobenzene	6.910	146	30377	2.123	ng	98
30) 1,2,4-Trichlorobenzene	7.963	180	24382	2.040	ng	99
31) Naphthalene	8.045	128	169791	4.161	ng	99
51) 2,6-Dinitrotoluene	9.551	165	30382	4.724	ng	94
57) 2,4-Dinitrotoluene	9.957	165	112817	13.755	ng	# 86
66) n-Nitrosodiphenylamine	10.428	169	200014	9.412	ng	99
71) Phenanthrene	11.280	178	164284	4.666	ng	98
75) Fluoranthene	12.469	202	288933	8.176	ng	98
78) Pyrene	12.692	202	260763	7.051	ng	98
81) Benzo(a)anthracene	13.880	228	153084	5.160	ng	96
83) Chrysene	13.916	228	157261	5.302	ng	97
84) Bis(2-ethylhexyl)phtha...	13.886	149	150416	9.152	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.698	276	82802	3.393	ng	97
88) Benzo(b)fluoranthene	14.916	252	210139m	7.698	ng	
89) Benzo(k)fluoranthene	14.933	252	67948m	2.511	ng	
90) Benzo(a)pyrene	15.257	252	127013	5.112	ng	# 88
92) Benzo(g,h,i)perylene	17.110	276	77954	3.879	ng	95

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

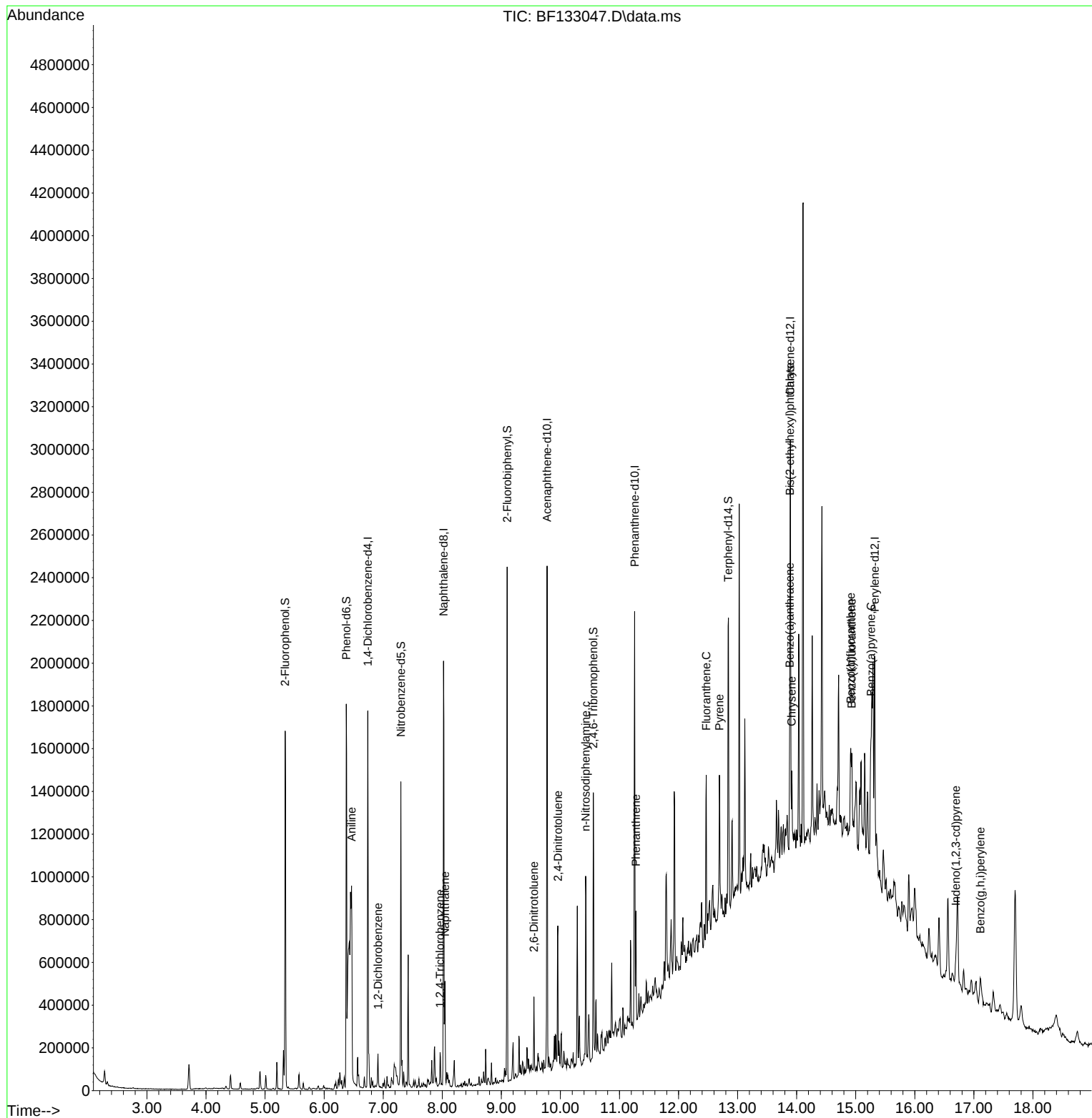
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
Data File : BF133047.D
Acq On : 26 Apr 2023 01:34
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ALS Vial : 16 Sample Multiplier: 1

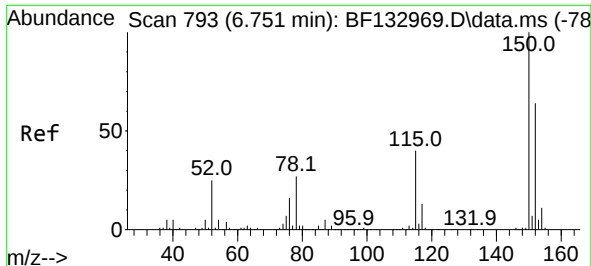
Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17

Quant Time: Apr 26 02:21:16 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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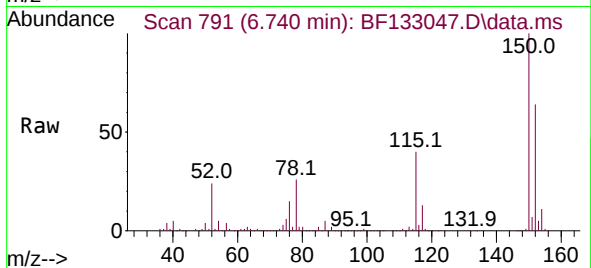
Reviewed By : Christian Giraldo 04/26/2023
Supervised By : Jagrut Upadhyay 04/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

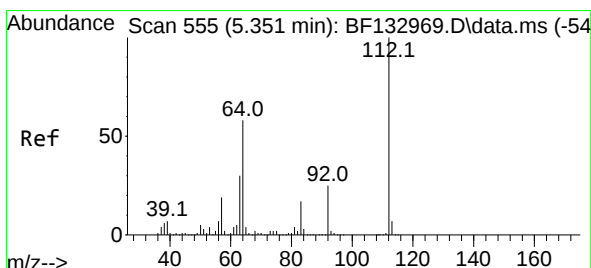
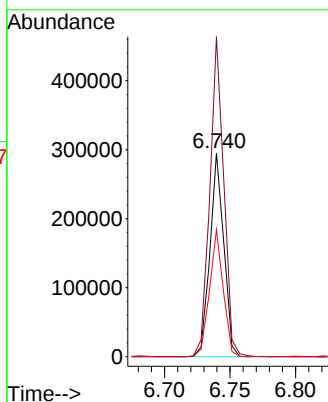
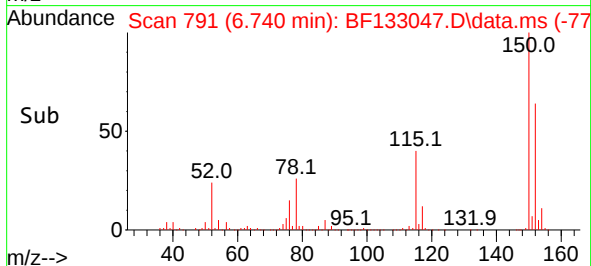
Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17



Tgt Ion:152 Resp: 216725
Ion Ratio Lower Upper
152 100
150 157.2 124.8 187.2
115 62.4 49.9 74.9

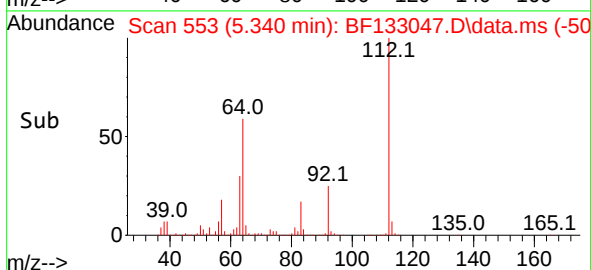
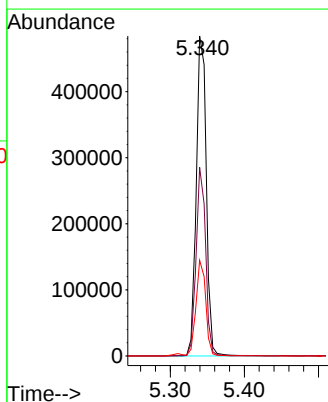
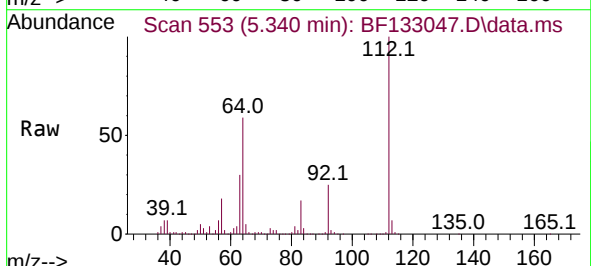
Manual Integrations
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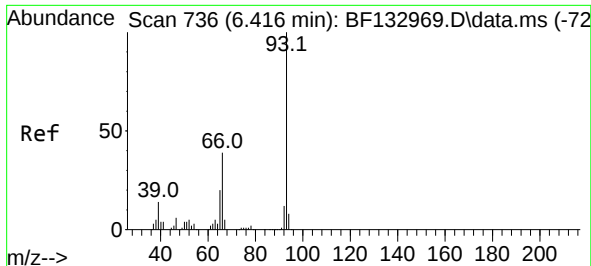
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#5
2-Fluorophenol
Concen: 31.653 ng
RT: 5.340 min Scan# 553
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

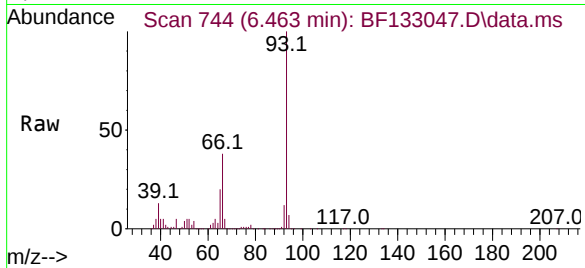
Tgt Ion:112 Resp: 454119
Ion Ratio Lower Upper
112 100
64 59.0 46.8 70.2
63 29.9 23.8 35.8





#6
Aniline
Concen: 59.470 ng m
RT: 6.463 min Scan# 74
Delta R.T. 0.053 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

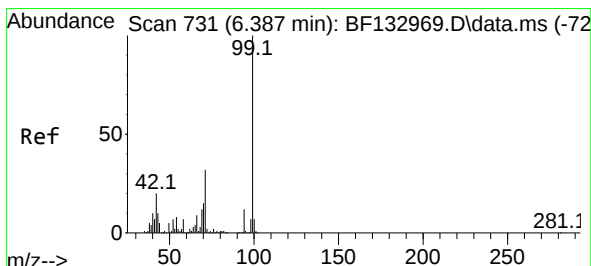
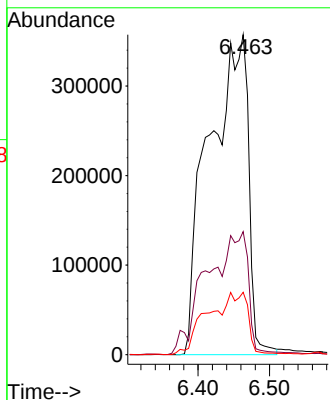
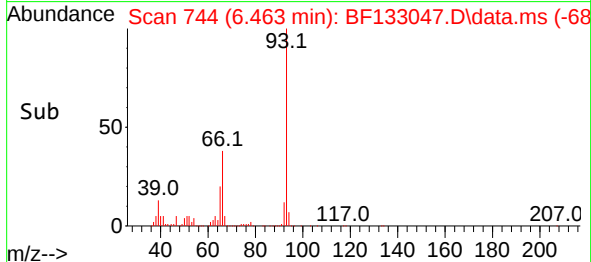
Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17



Tgt Ion: 93 Resp: 1363980
Ion Ratio Lower Upper
93 100
66 38.4 31.5 47.3
65 19.5 16.4 24.6

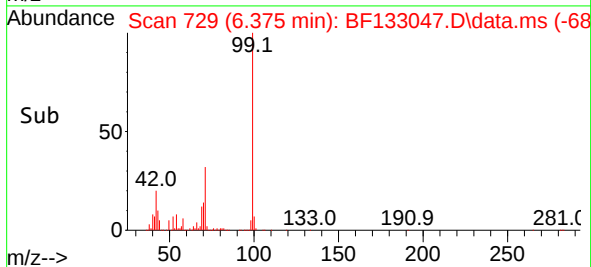
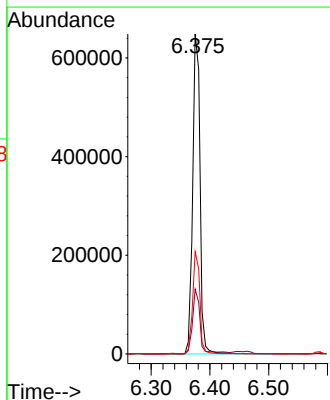
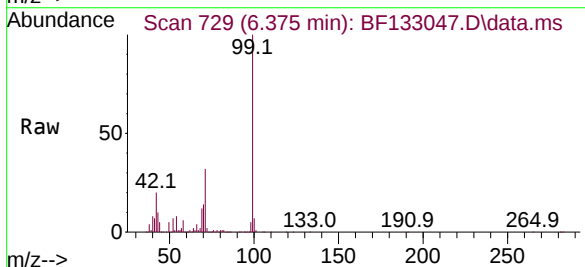
Manual Integrations
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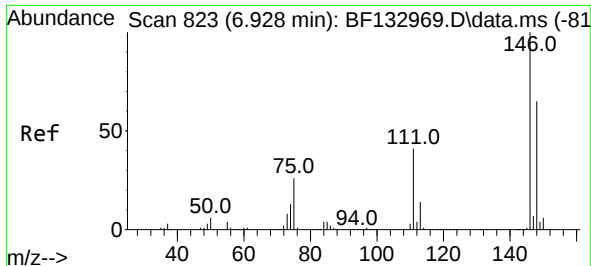
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#7
Phenol-d6
Concen: 31.849 ng
RT: 6.375 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

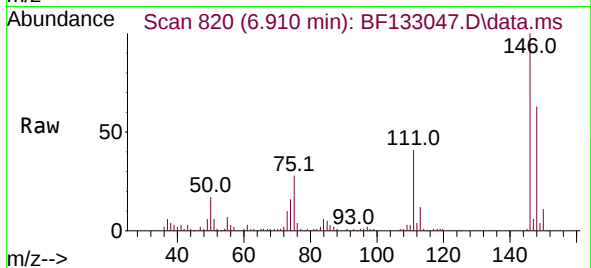
Tgt Ion: 99 Resp: 567143
Ion Ratio Lower Upper
99 100
42 20.3 16.3 24.5
71 31.9 25.6 38.4





#14
1,2-Dichlorobenzene
Concen: 2.123 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

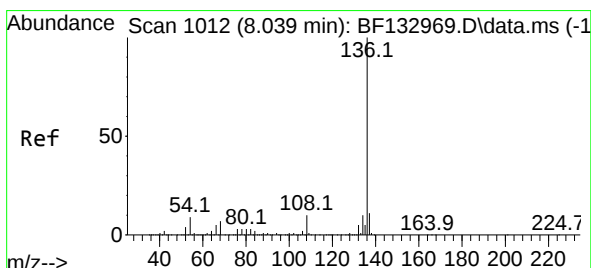
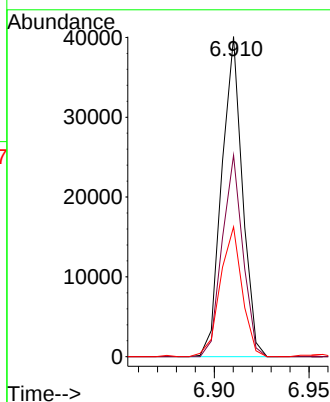
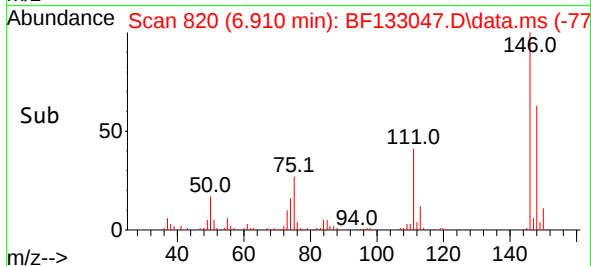
Instrument :
BNA_F
ClientSampleId :
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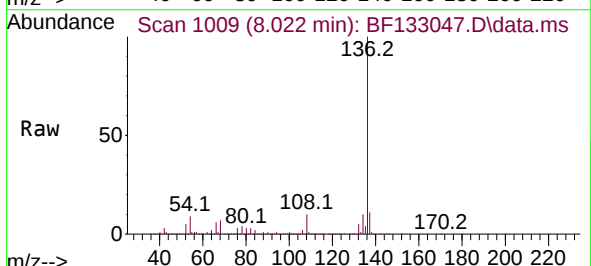
Tgt Ion:146 Resp: 3037
Ion Ratio Lower Upper
146 100
148 62.9 52.2 78.2
111 40.5 32.8 49.2

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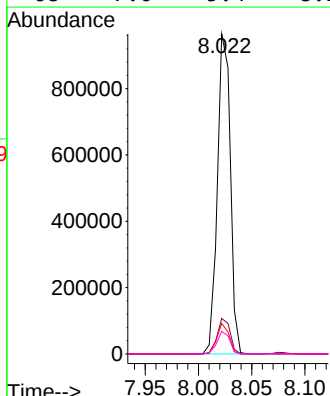
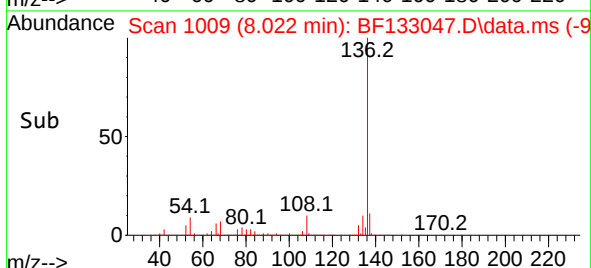
Reviewed By :Christian Giraldo 04/26/2023
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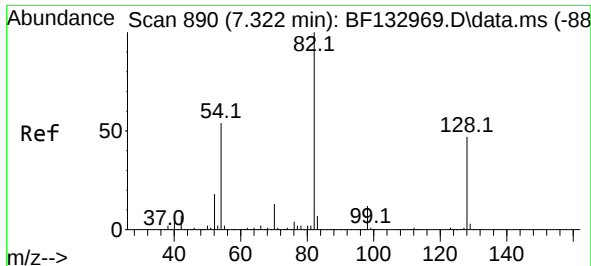


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34



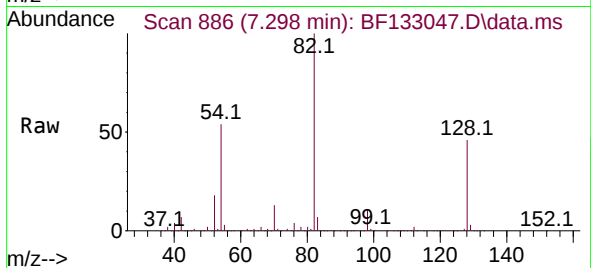
Tgt Ion:136 Resp: 816217
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.5 7.0 10.4
68 7.0 5.4 8.2





#23
Nitrobenzene-d5
Concen: 23.454 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

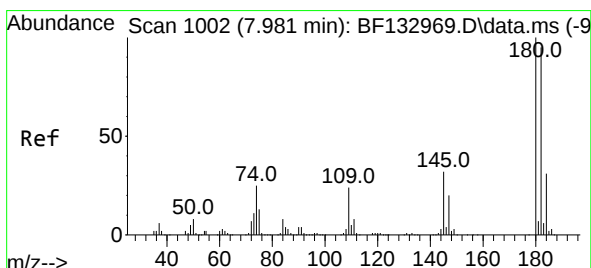
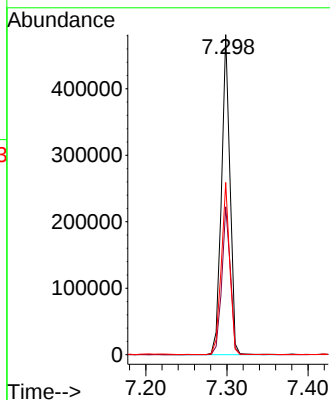
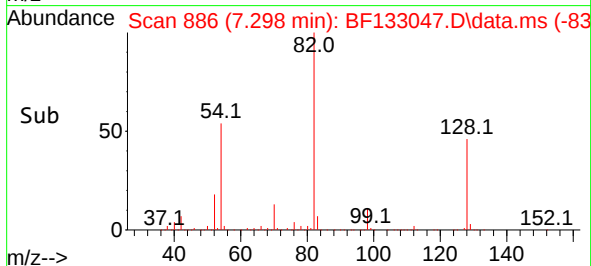
Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17



Tgt Ion: 82 Resp: 354660
Ion Ratio Lower Upper
82 100
128 46.2 37.7 56.5
54 53.8 43.0 64.4

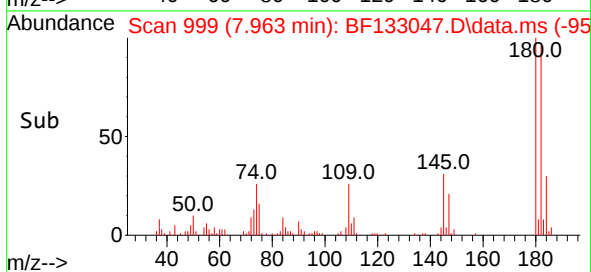
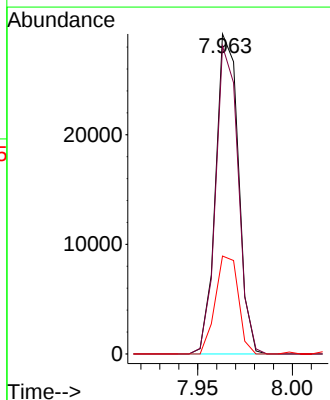
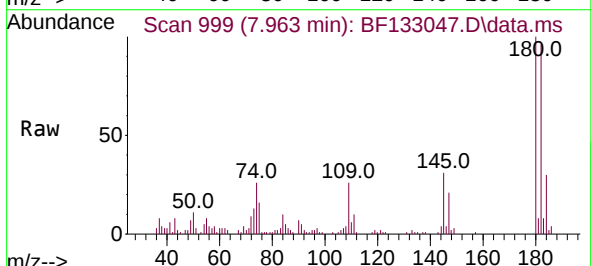
Manual Integrations
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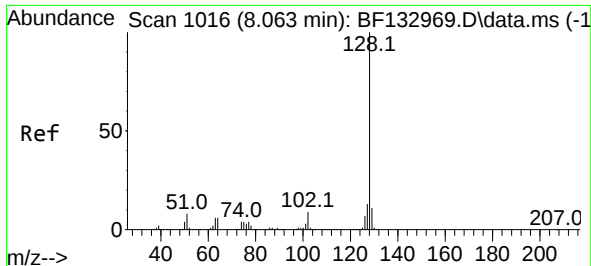
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#30
1,2,4-Trichlorobenzene
Concen: 2.040 ng
RT: 7.963 min Scan# 999
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

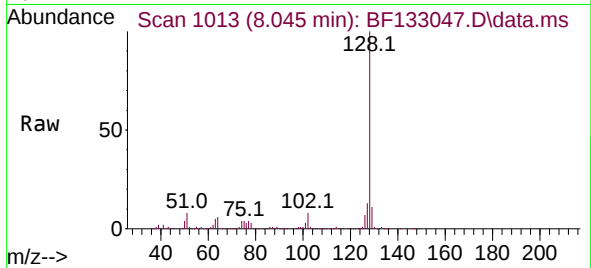
Tgt Ion:180 Resp: 24382
Ion Ratio Lower Upper
180 100
182 96.2 75.9 113.9
145 30.6 25.3 37.9





#31
Naphthalene
Concen: 4.161 ng
RT: 8.045 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

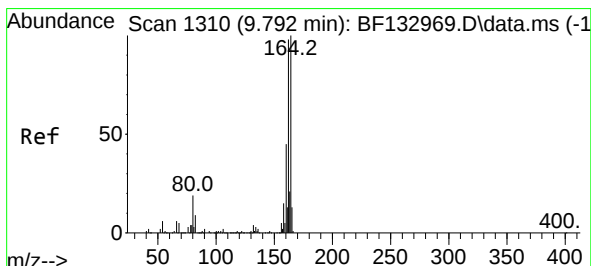
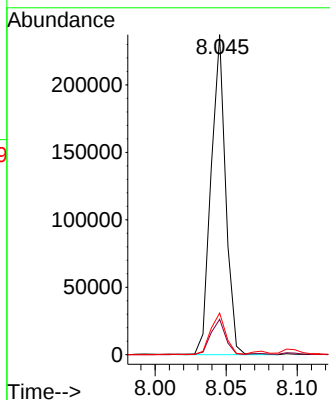
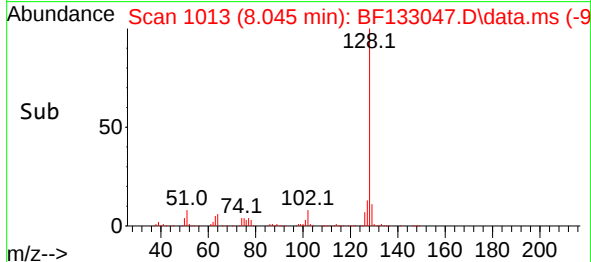
Instrument :
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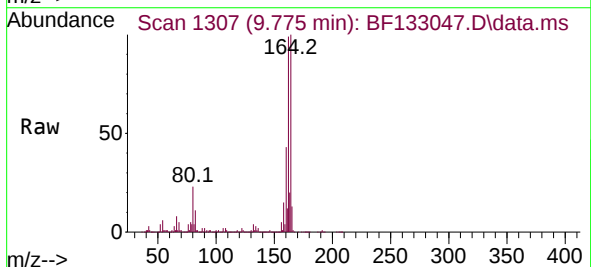
Tgt Ion:128 Resp: 169796
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.7 16.1

Manual Integrations
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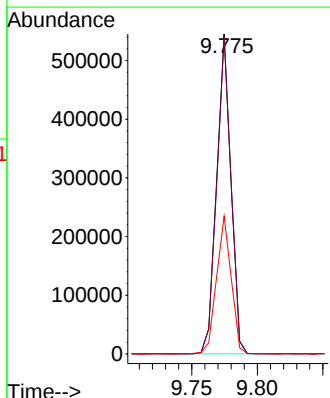
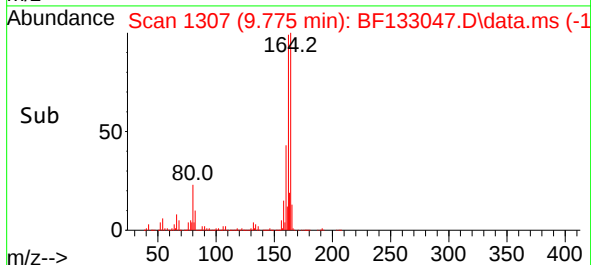
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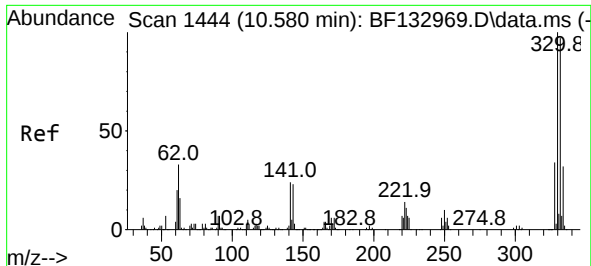


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34



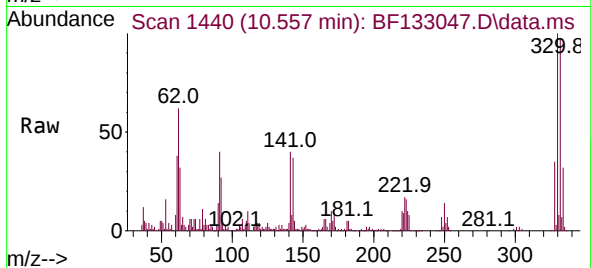
Tgt Ion:164 Resp: 409796
Ion Ratio Lower Upper
164 100
162 99.2 78.7 118.1
160 43.1 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 28.364 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

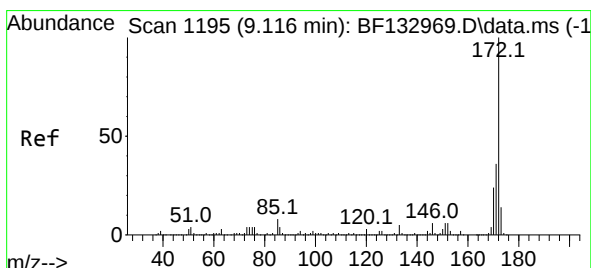
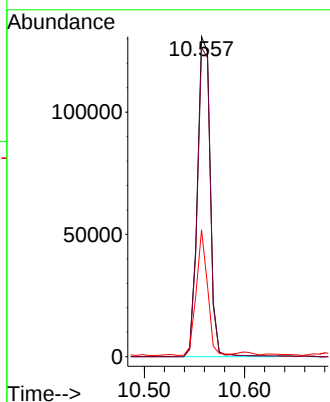
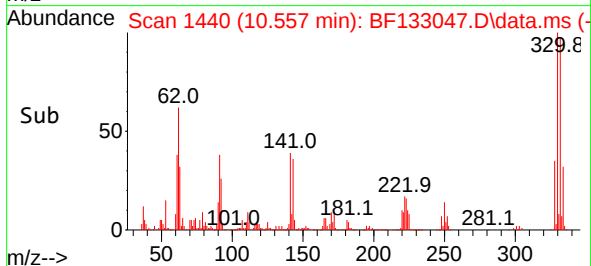
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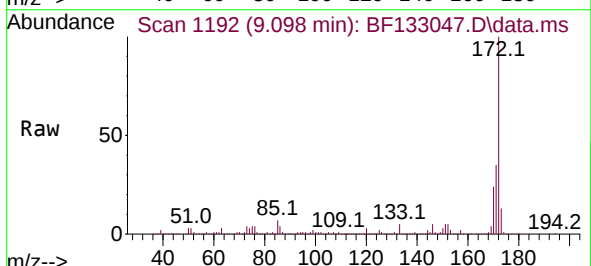
Tgt Ion:330 Resp: 116898
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 34.0 25.8 38.8

Manual Integrations
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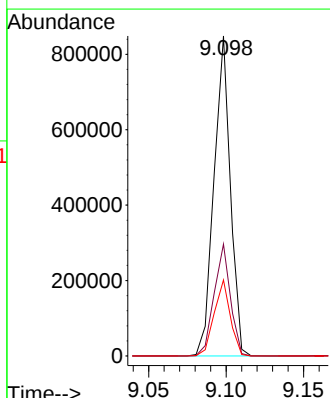
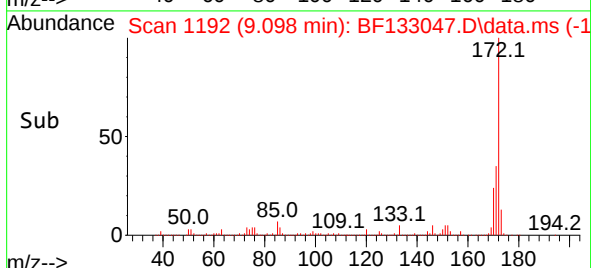
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023

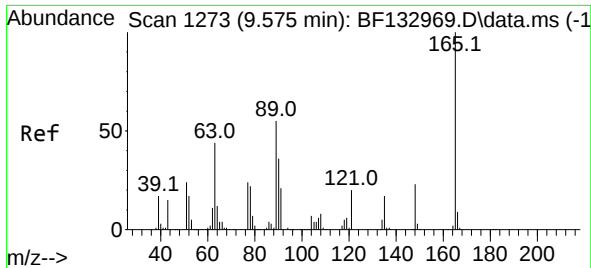


#45
2-Fluorobiphenyl
Concen: 25.427 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34



Tgt Ion:172 Resp: 622823
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.8 19.4 29.2





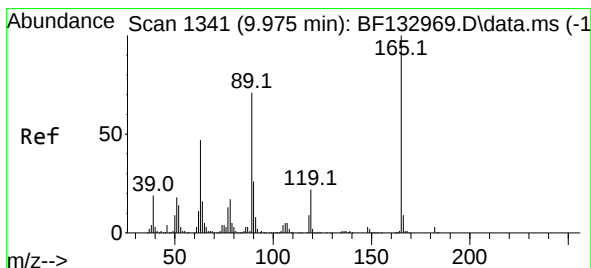
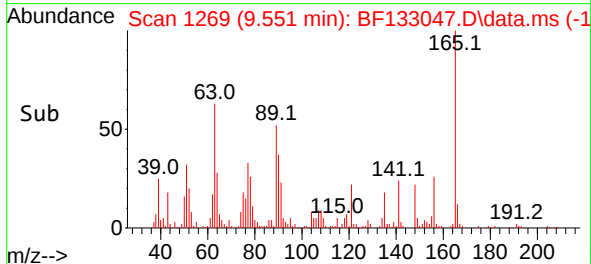
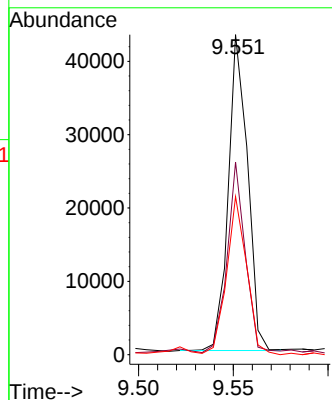
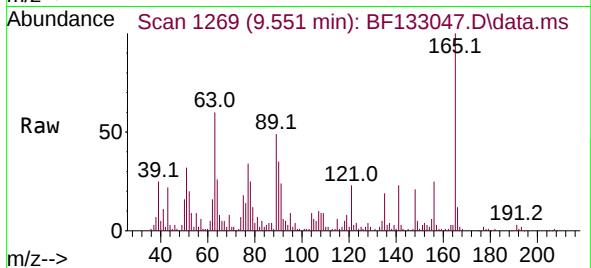
#51
2,6-Dinitrotoluene
Concen: 4.724 ng
RT: 9.551 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17

Tgt Ion:165 Resp: 3038
Ion Ratio Lower Upper
165 100
63 60.2 45.9 68.9
89 49.4 44.0 66.0

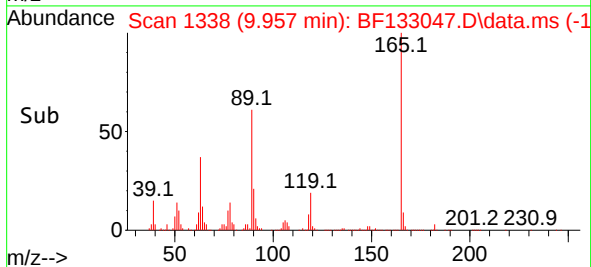
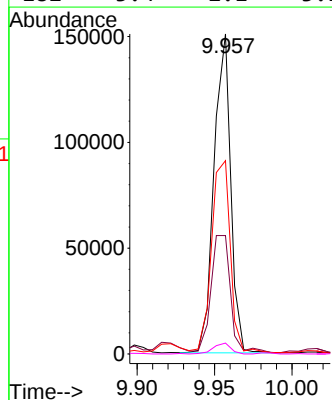
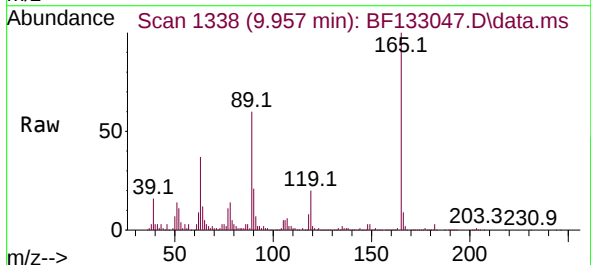
Manual Integrations
APPROVED

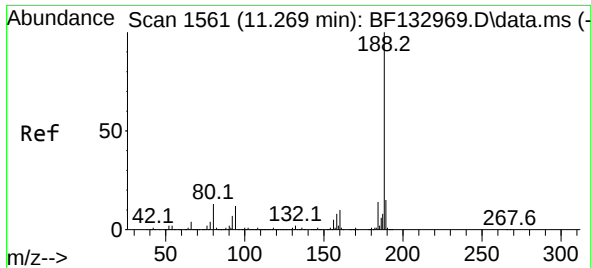
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#57
2,4-Dinitrotoluene
Concen: 13.755 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.012 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

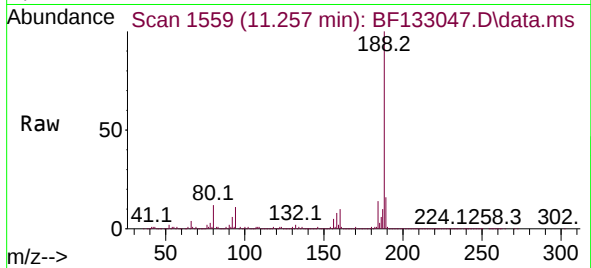
Tgt Ion:165 Resp: 112817
Ion Ratio Lower Upper
165 100
63 37.0 37.7 56.5#
89 60.4 57.0 85.4
182 3.4 2.1 3.1#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

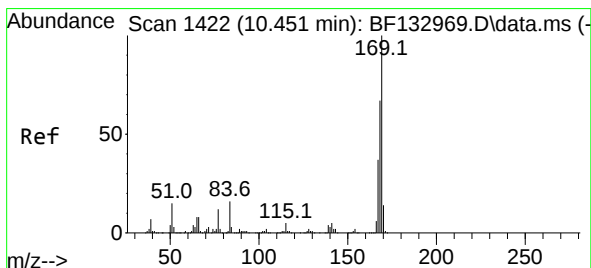
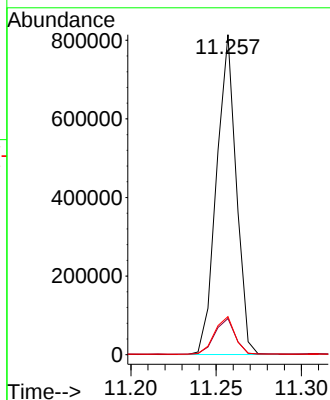
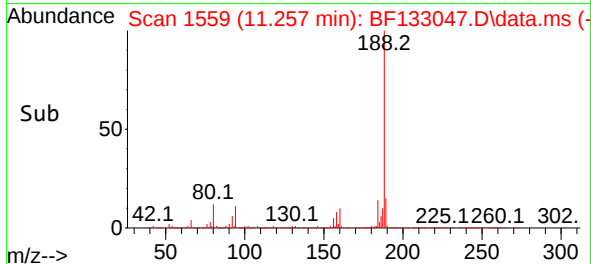
Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17



Tgt Ion:188 Resp: 65511
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 11.9 10.4 15.6

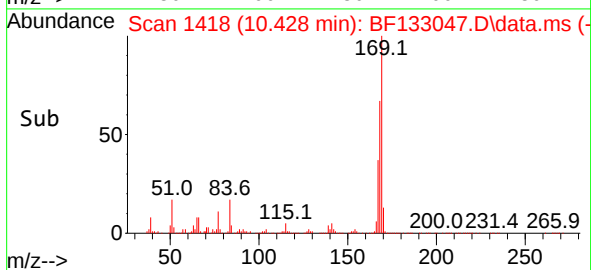
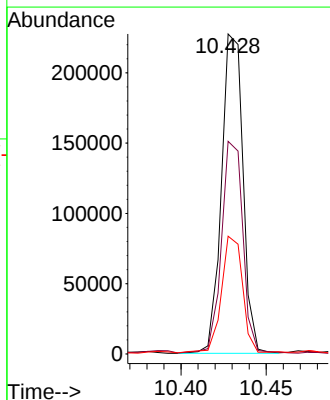
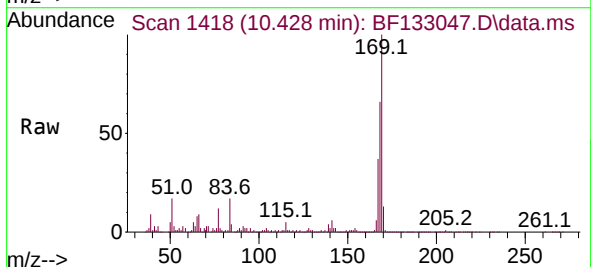
Manual Integrations
APPROVED

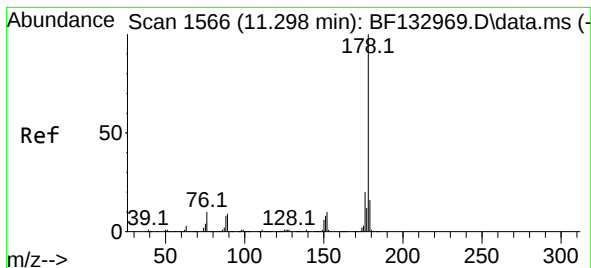
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#66
n-Nitrosodiphenylamine
Concen: 9.412 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.017 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Tgt Ion:169 Resp: 200014
Ion Ratio Lower Upper
169 100
168 66.5 53.8 80.8
167 36.8 29.7 44.5





#71

Phenanthrene

Concen: 4.666 ng

RT: 11.280 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

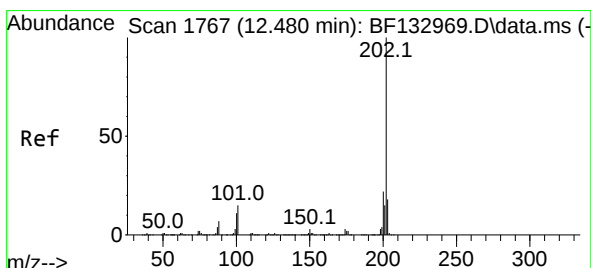
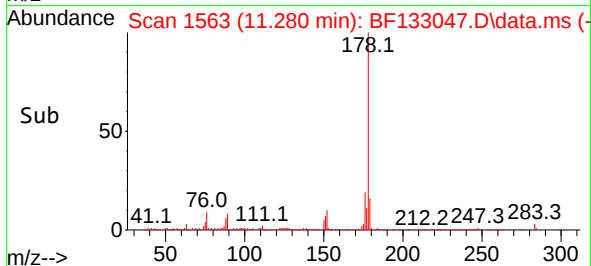
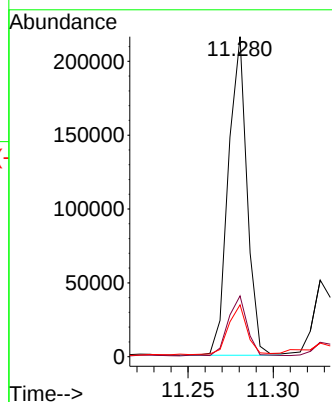
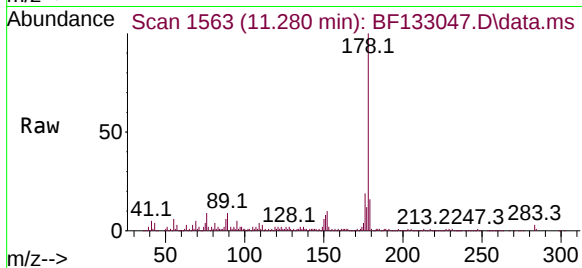
SPC-3WC-23-04-17

Tgt Ion:178 Resp: 164284
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.9 23.9
 179 16.2 12.5 18.7

Manual Integrations

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Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#75

Fluoranthene

Concen: 8.176 ng

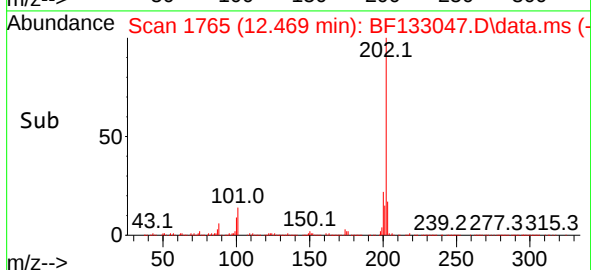
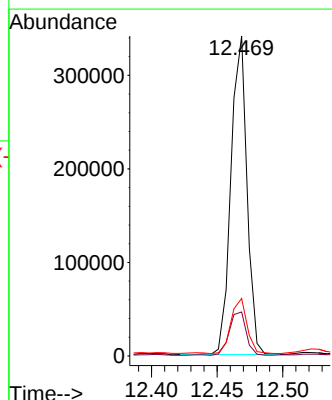
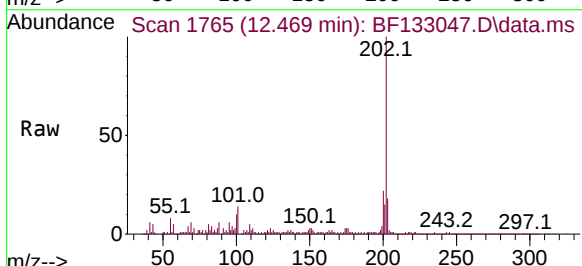
RT: 12.469 min Scan# 1765

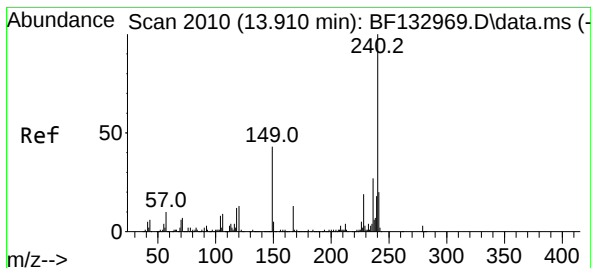
Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Tgt Ion:202 Resp: 288933
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 35.3
 203 18.0 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.892 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17

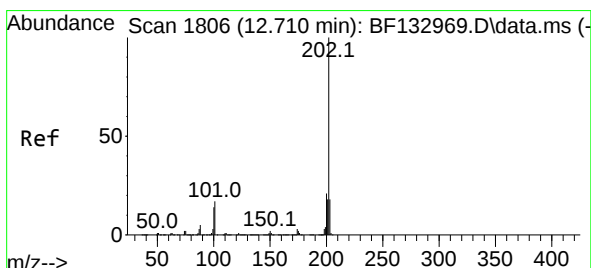
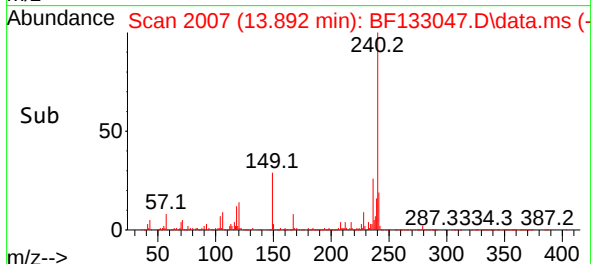
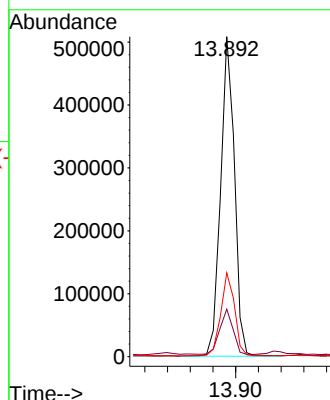
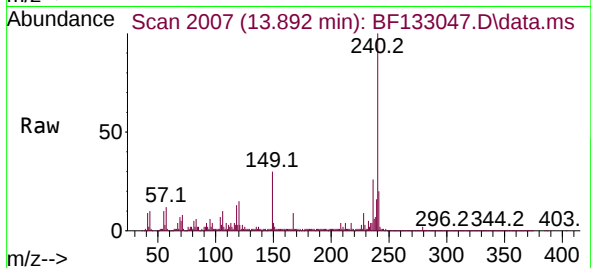
Tgt Ion:240 Resp: 431398

Ion	Ratio	Lower	Upper
240	100		
120	14.8	10.5	15.7
236	26.2	21.5	32.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#78

Pyrene

Concen: 7.051 ng

RT: 12.692 min Scan# 1803

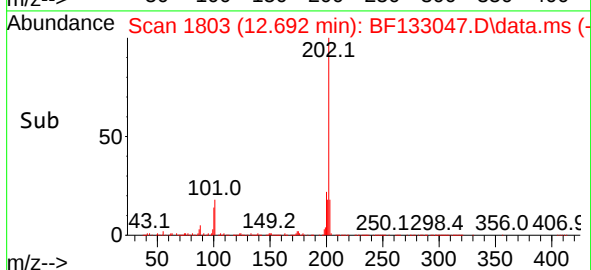
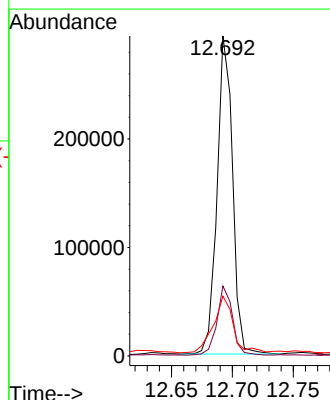
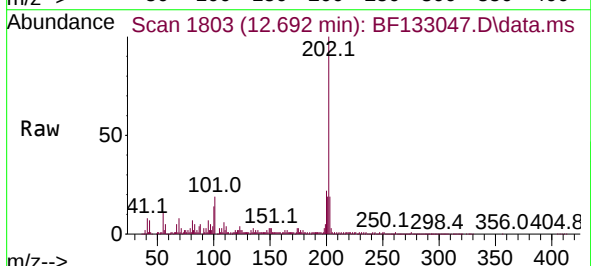
Delta R.T. -0.006 min

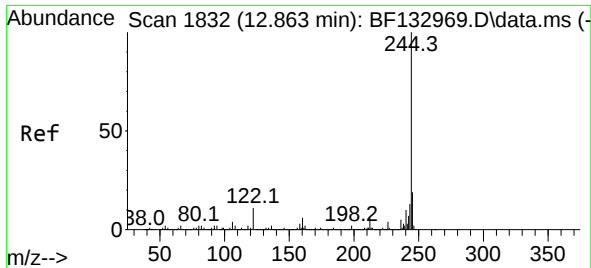
Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Tgt Ion:202 Resp: 260763

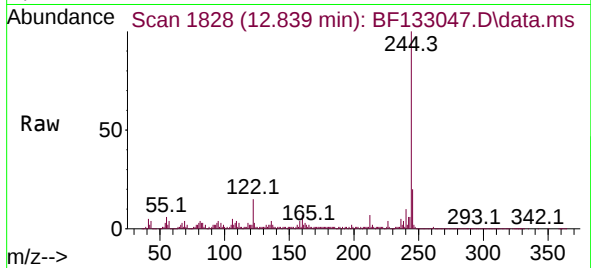
Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.1	25.7
203	18.7	14.1	21.1





#79
 Terphenyl-d14
 Concen: 18.483 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. -0.012 min
 Lab File: BF133047.D
 Acq: 26 Apr 2023 01:34

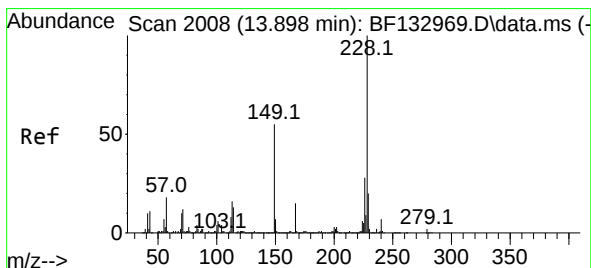
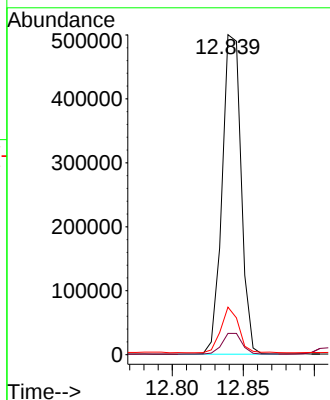
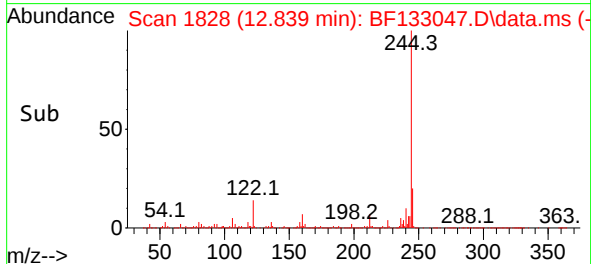
Instrument :
 BNA_F
 ClientSampleId :
 SPC-3WC-23-04-17



Tgt Ion:244 Resp: 462327
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 14.8 8.6 13.0

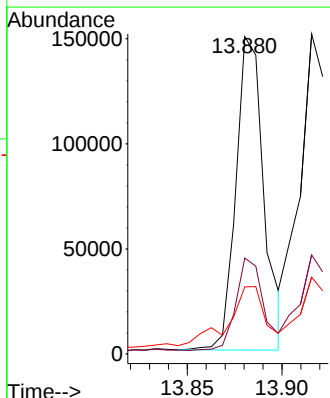
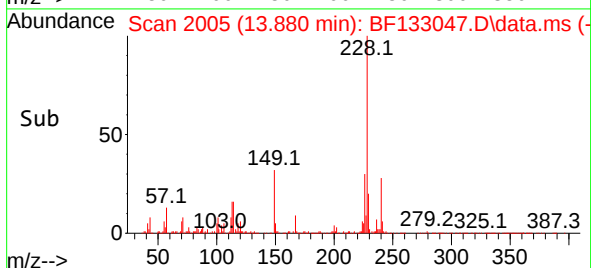
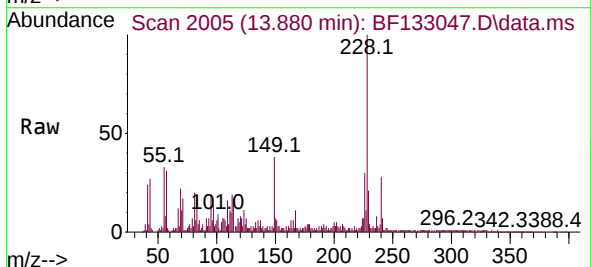
Manual Integrations
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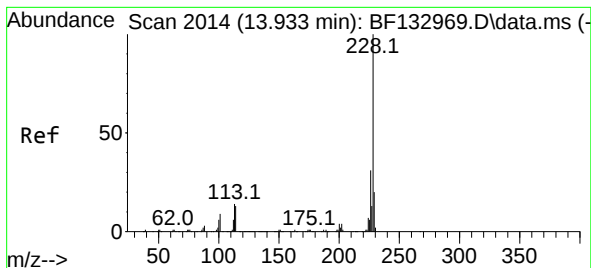
Reviewed By :Christian Giraldo 04/26/2023
 Supervised By :Jagrut Upadhyay 04/26/2023



#81
 Benzo(a)anthracene
 Concen: 5.160 ng
 RT: 13.880 min Scan# 2005
 Delta R.T. -0.006 min
 Lab File: BF133047.D
 Acq: 26 Apr 2023 01:34

Tgt Ion:228 Resp: 153084
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.2 33.4
 229 21.1 16.0 24.0





#83

Chrysene

Concen: 5.302 ng

RT: 13.916 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17

Tgt Ion:228 Resp: 15726

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

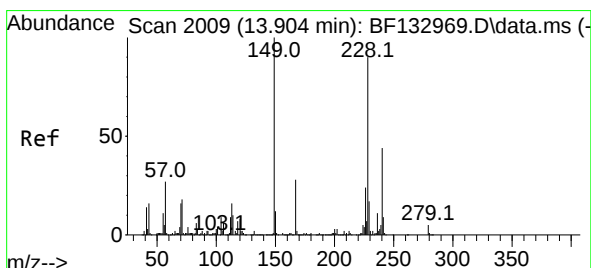
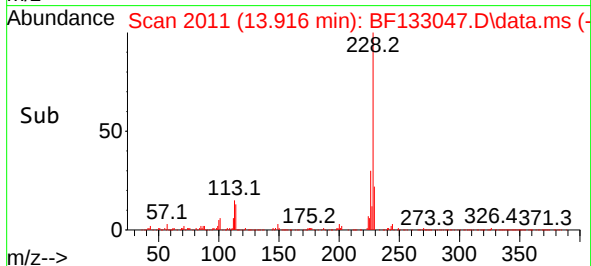
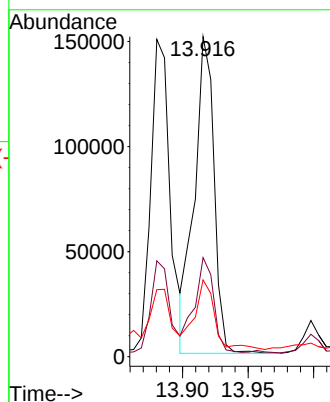
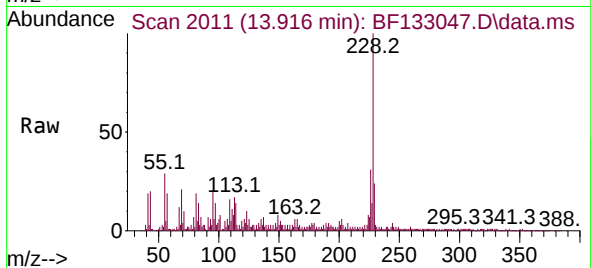
229 24.0 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/26/2023

Supervised By :Jagrut Upadhyay 04/26/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.152 ng

RT: 13.886 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

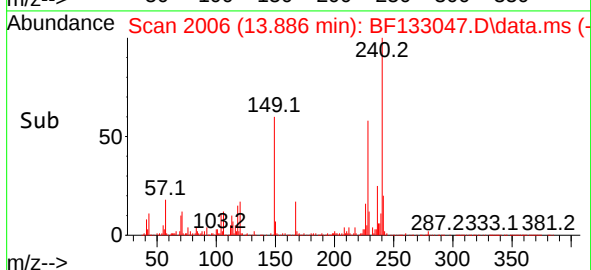
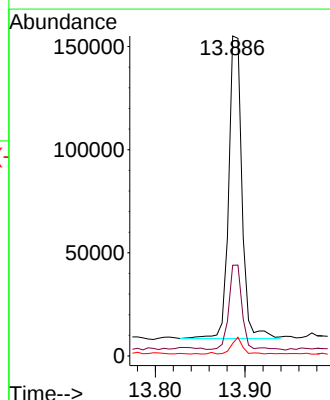
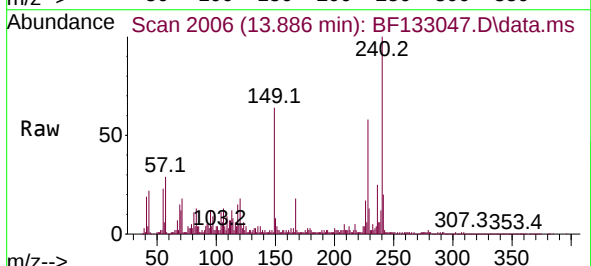
Tgt Ion:149 Resp: 150416

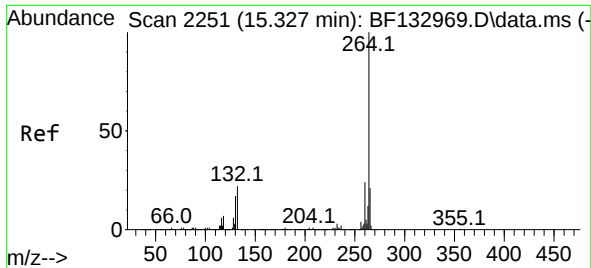
Ion Ratio Lower Upper

149 100

167 28.3 22.5 33.7

279 3.9 4.2 6.4





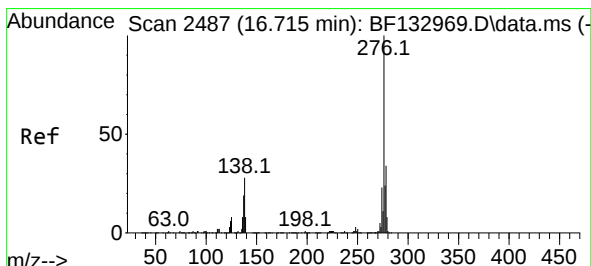
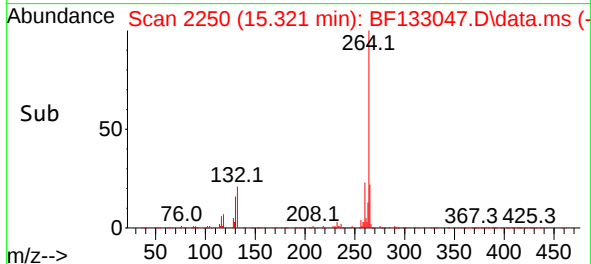
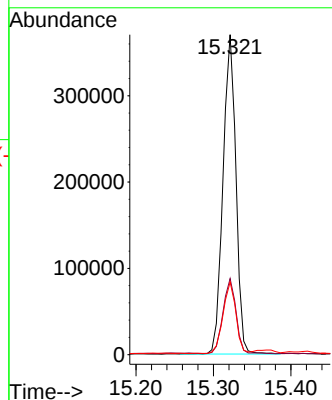
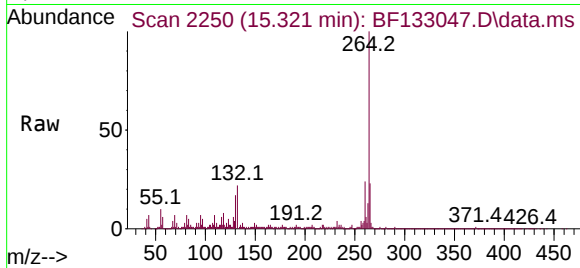
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.321 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17

Tgt Ion:264 Resp: 42908
Ion Ratio Lower Upper
264 100
260 23.8 18.8 28.2
265 22.7 17.0 25.4

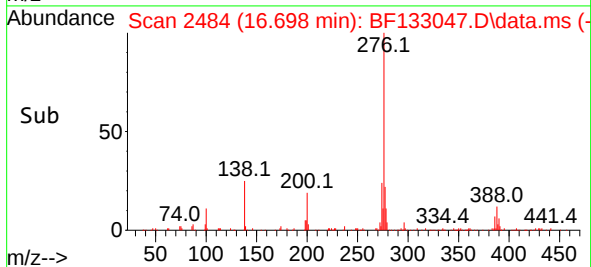
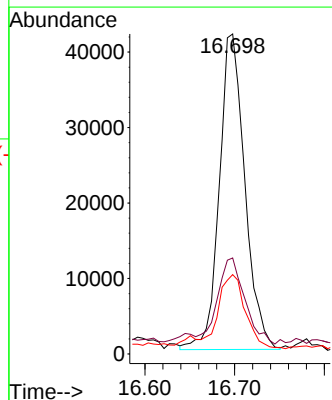
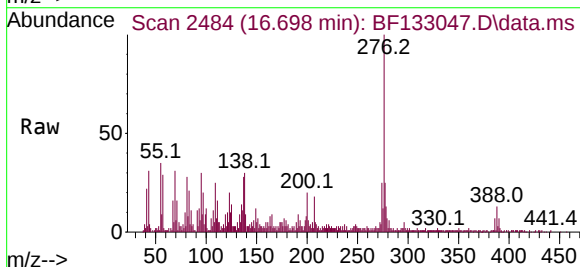
Manual Integrations
APPROVED

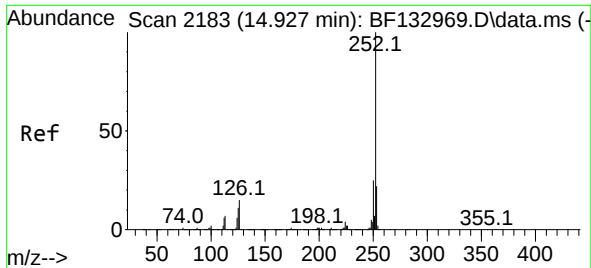
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.393 ng
RT: 16.698 min Scan# 2484
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

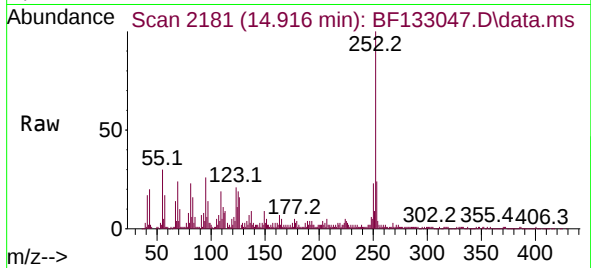
Tgt Ion:276 Resp: 82802
Ion Ratio Lower Upper
276 100
138 29.4 25.5 38.3
277 24.6 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 7.698 ng m
RT: 14.916 min Scan# 2183
Delta R.T. 0.000 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

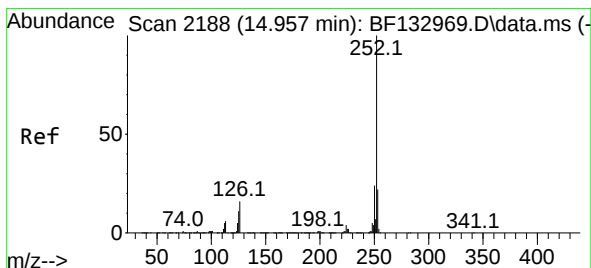
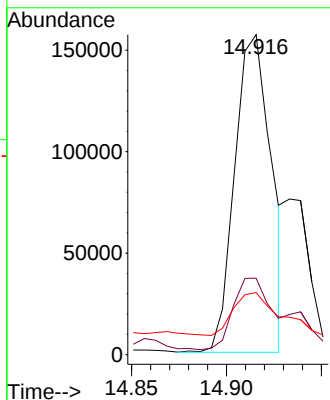
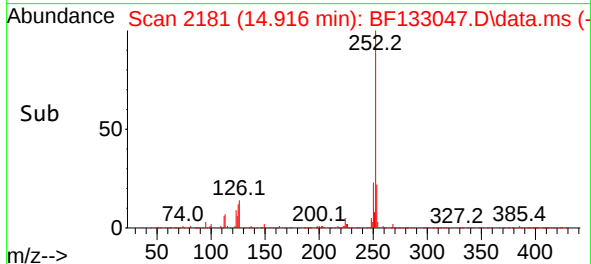
Instrument :
BNA_F
ClientSampleId :
SPC-3WC-23-04-17



Tgt Ion:252 Resp: 210139
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 19.4 8.9 13.3

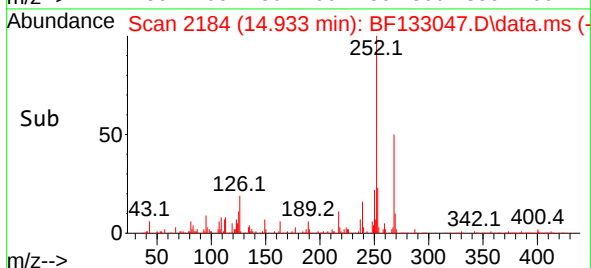
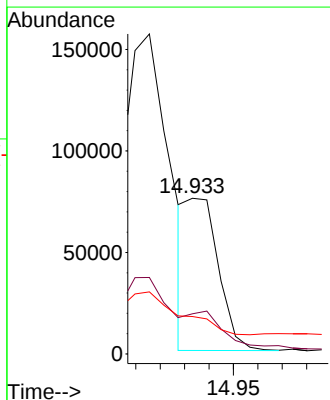
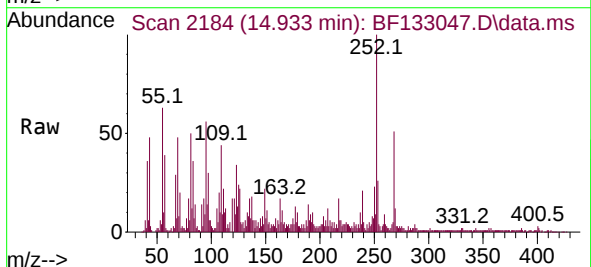
Manual Integrations
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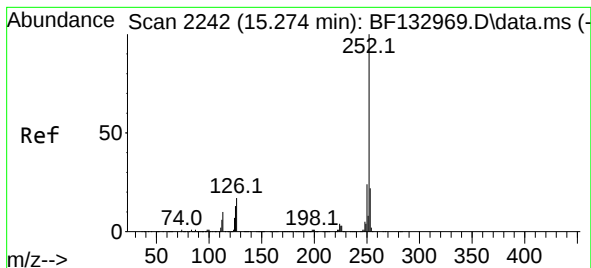
Reviewed By :Christian Giraldo 04/26/2023
Supervised By :Jagrut Upadhyay 04/26/2023



#89
Benzo(k)fluoranthene
Concen: 2.511 ng m
RT: 14.933 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF133047.D
Acq: 26 Apr 2023 01:34

Tgt Ion:252 Resp: 67948
Ion Ratio Lower Upper
252 100
253 25.8 17.7 26.5
125 24.1 9.0 13.4





#90

Benzo(a)pyrene

Concen: 5.112 ng

RT: 15.257 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Instrument :

BNA_F

ClientSampleId :

SPC-3WC-23-04-17

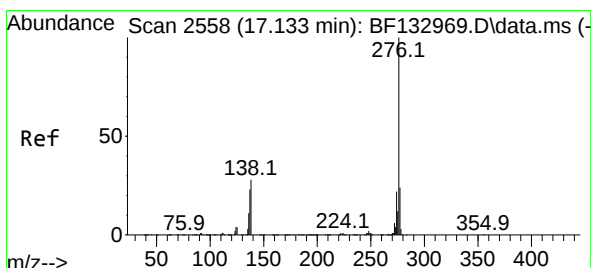
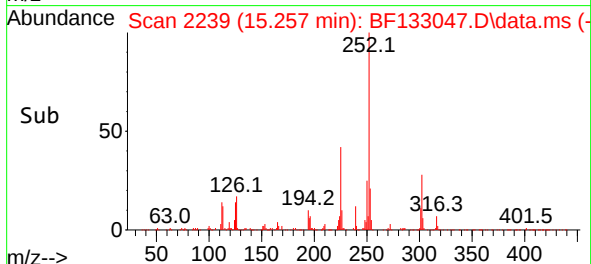
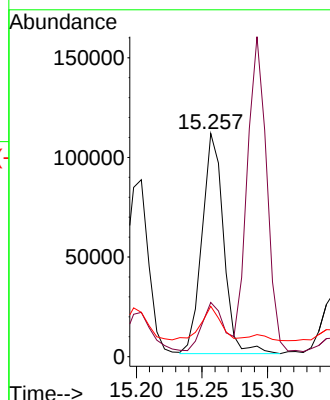
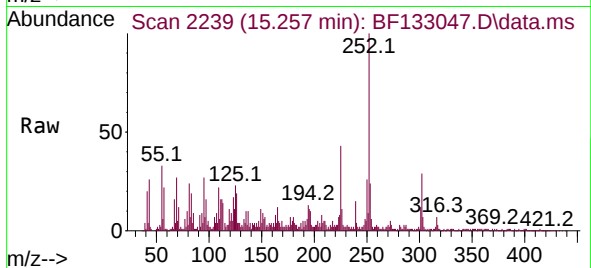
Tgt Ion: 252 Resp: 12701

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.7	26.5
125	22.6	10.5	15.7

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 04/26/2023
Supervised By : Jagrut Upadhyay 04/26/2023



#92

Benzo(g,h,i)perylene

Concen: 3.879 ng

RT: 17.110 min Scan# 2554

Delta R.T. -0.012 min

Lab File: BF133047.D

Acq: 26 Apr 2023 01:34

Tgt Ion: 276 Resp: 77954

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.4	29.0
138	31.2	22.7	34.1

