

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133170.D
 Acq On : 01 May 2023 22:47
 Operator : CG\JU
 Sample : 02557-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-042823-A

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/02/2023
 Supervised By : Jagrut Upadhyay 05/02/2023

Quant Time: May 02 05:24:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 15:02:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	207165	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	812771	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	408516	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	716548	20.000	ng	0.00
76) Chrysene-d12	13.880	240	380889	20.000	ng	-0.01
86) Perylene-d12	15.304	264	385686	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1415151	103.190	ng	0.00
7) Phenol-d6	6.369	99	1730684	101.674	ng	0.00
23) Nitrobenzene-d5	7.292	82	905362	60.126	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	339427	82.618	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1658072	67.903	ng	0.00
79) Terphenyl-d14	12.833	244	1567636	70.983	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.269	178	225412	5.853	ng	98
75) Fluoranthene	12.457	202	177478	4.592	ng	97
78) Pyrene	12.680	202	174881	5.356	ng	99
81) Benzo(a)anthracene	13.868	228	71598	2.734	ng	99
83) Chrysene	13.904	228	68460	2.614	ng	96
88) Benzo(b)fluoranthene	14.898	252	73844m	3.010	ng	
90) Benzo(a)pyrene	15.239	252	53085	2.377	ng	# 95

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

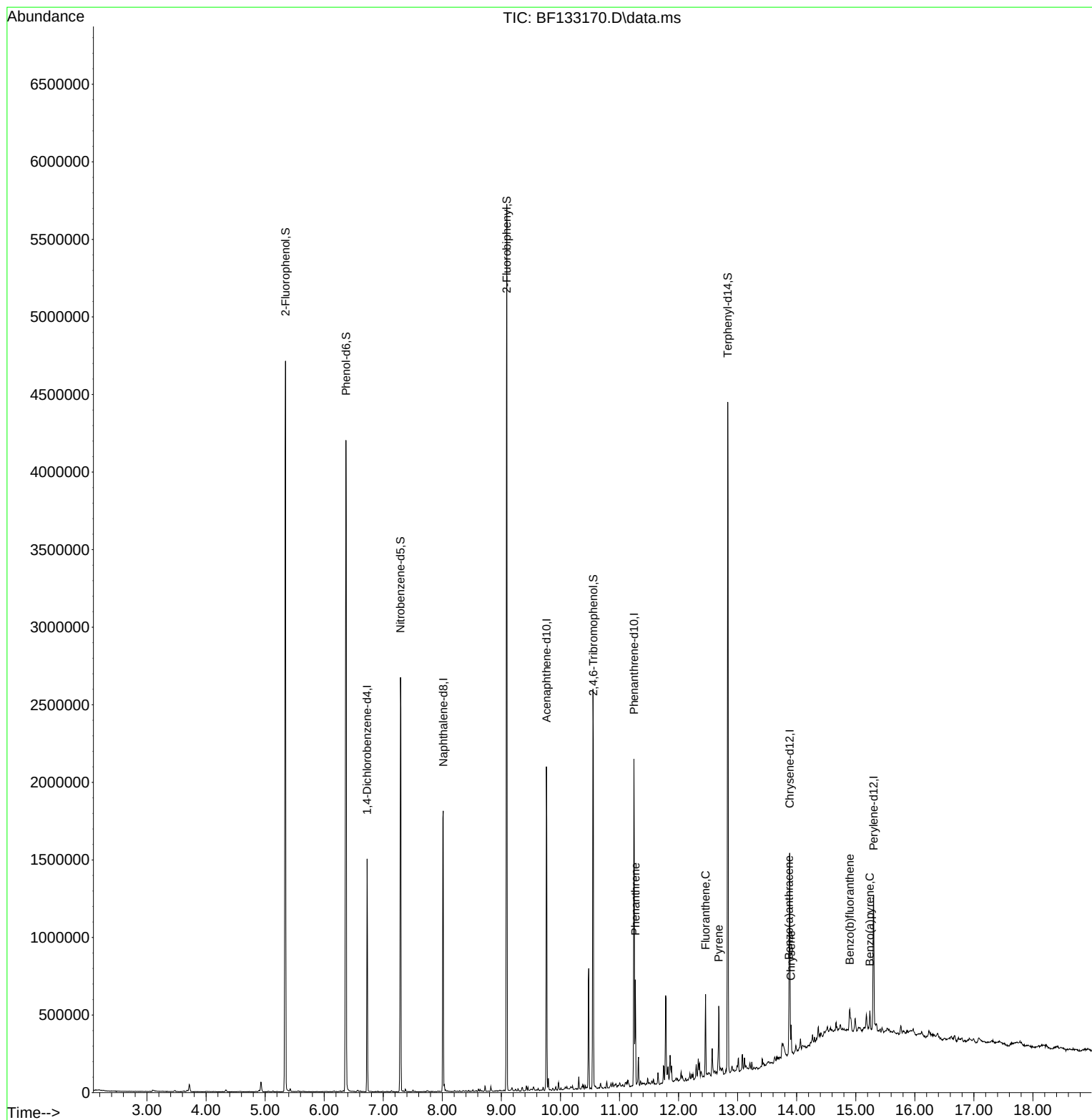
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133170.D
Acq On : 01 May 2023 22:47
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Misc :
ALS Vial : 16 Sample Multiplier: 1

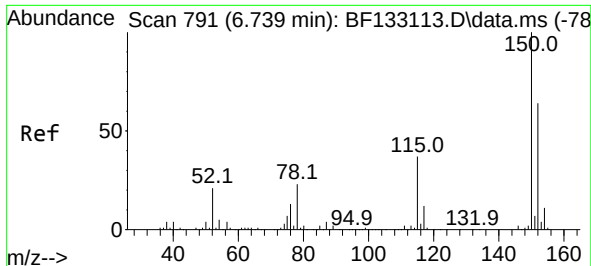
Instrument :
BNA_F
ClientSampleId :
JC-03-042823-A

Quant Time: May 02 05:24:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 01 15:02:31 2023
Response via : Initial Calibration

Manual Integrations
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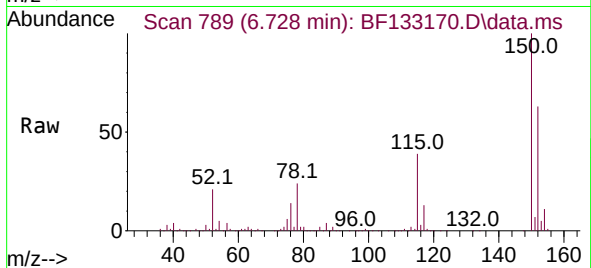
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

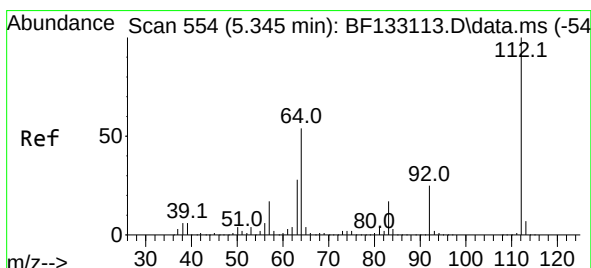
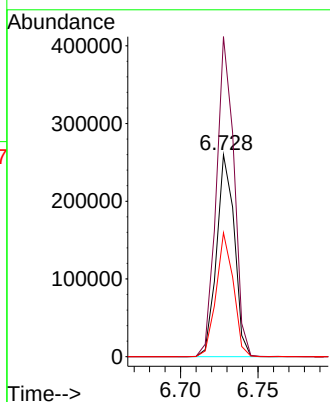
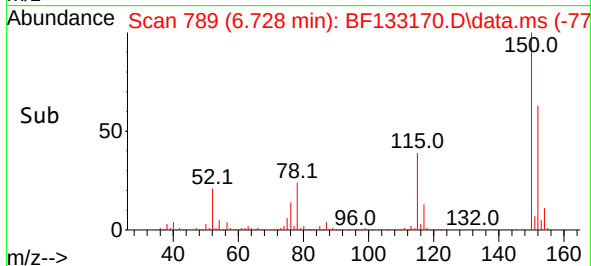
Instrument :
BNA_F
ClientSampleId :
JC-03-042823-A



Tgt Ion:152 Resp: 20716
Ion Ratio Lower Upper
152 100
150 158.5 124.8 187.2
115 61.3 49.9 74.9

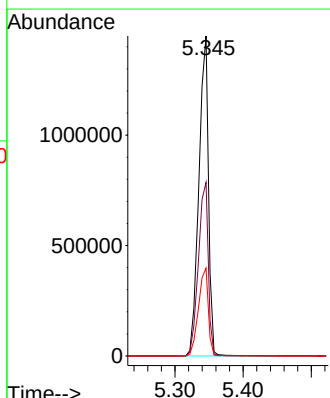
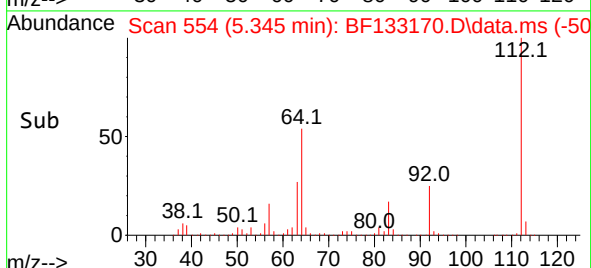
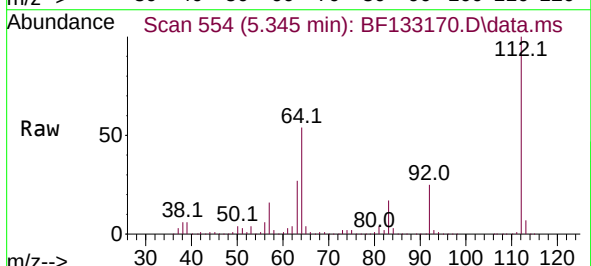
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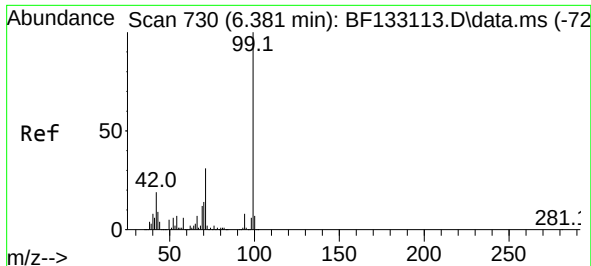
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#5
2-Fluorophenol
Concen: 103.190 ng
RT: 5.345 min Scan# 554
Delta R.T. 0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

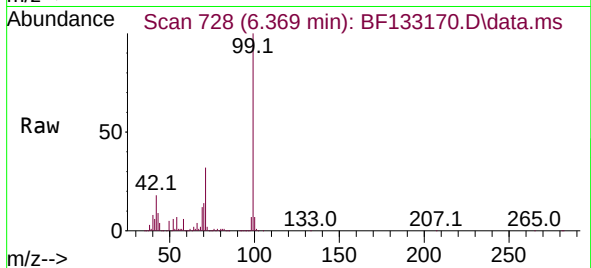
Tgt Ion:112 Resp: 1415151
Ion Ratio Lower Upper
112 100
64 54.2 46.8 70.2
63 27.5 23.8 35.8





#7
Phenol-d6
Concen: 101.674 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

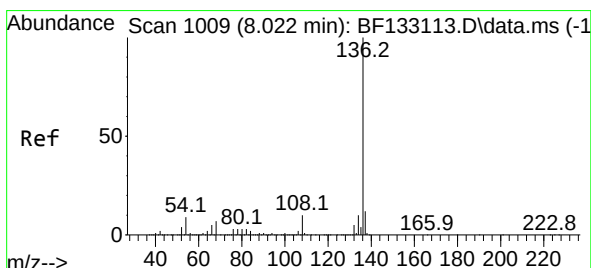
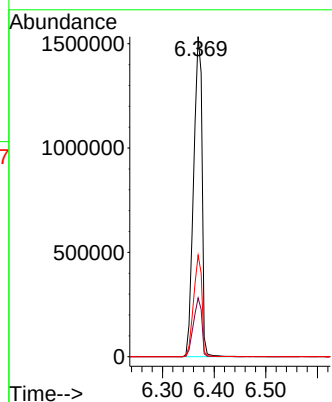
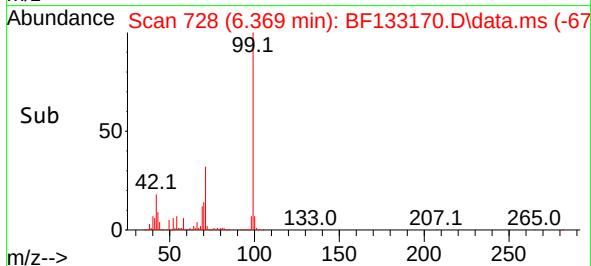
Instrument :
BNA_F
ClientSampleId :
JC-03-042823-A



Tgt Ion: 99 Resp: 1730684
Ion Ratio Lower Upper
99 100
42 18.3 16.3 24.5
71 31.7 25.6 38.4

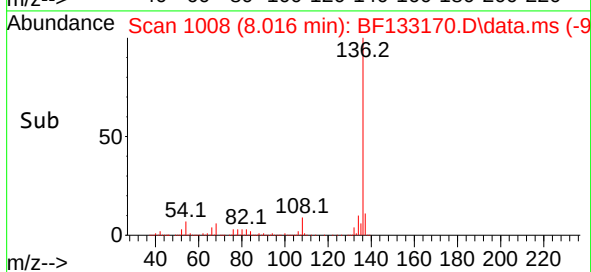
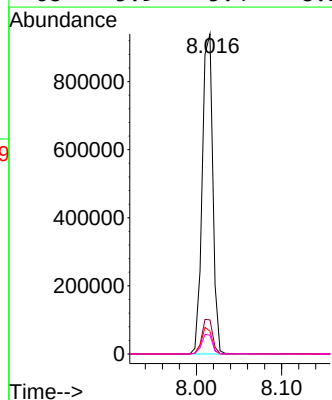
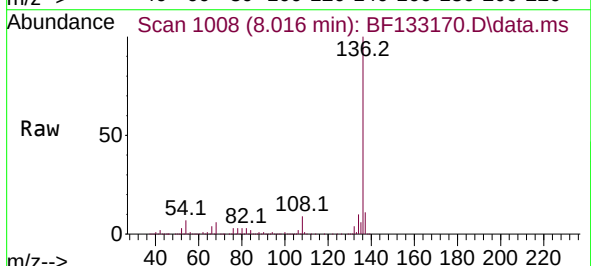
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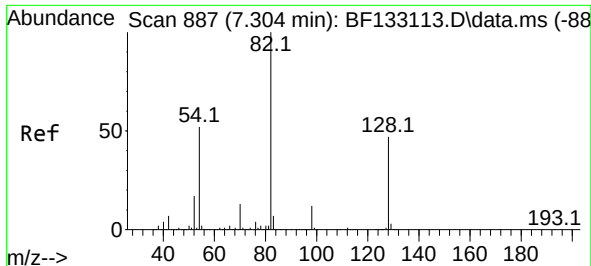
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

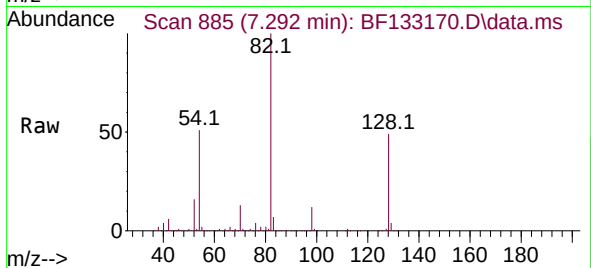
Tgt Ion:136 Resp: 812771
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.1 7.0 10.4
68 5.9 5.4 8.2





#23
Nitrobenzene-d5
Concen: 60.126 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

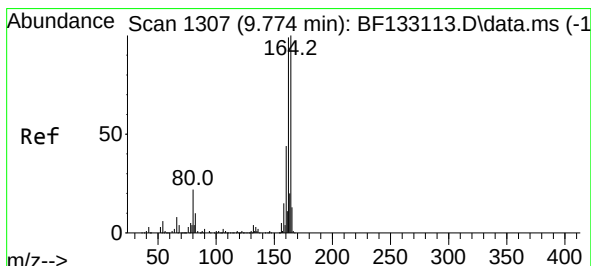
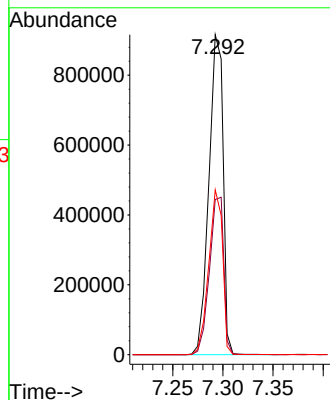
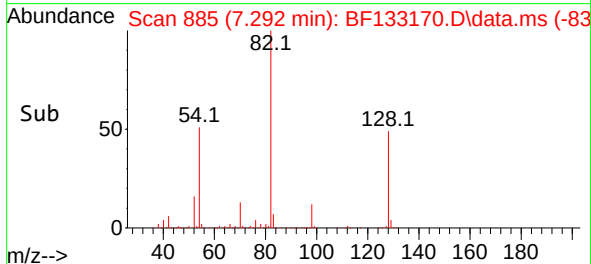
Instrument :
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ClientSampleId :
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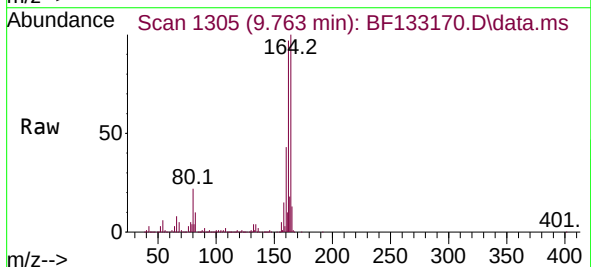
Tgt Ion: 82 Resp: 90536
Ion Ratio Lower Upper
82 100
128 48.5 37.7 56.5
54 51.5 43.0 64.4

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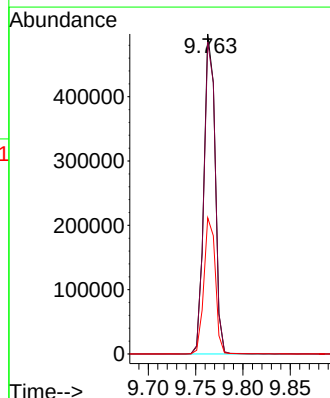
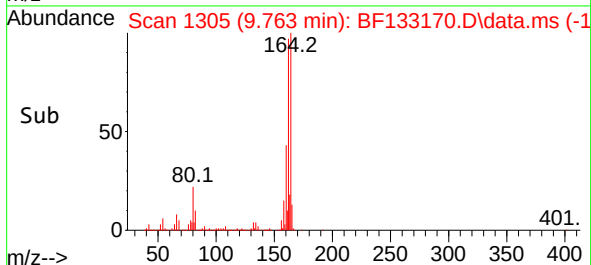
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

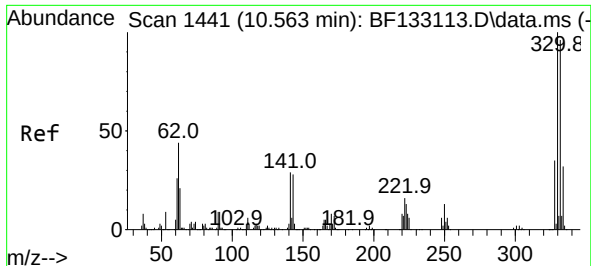


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47



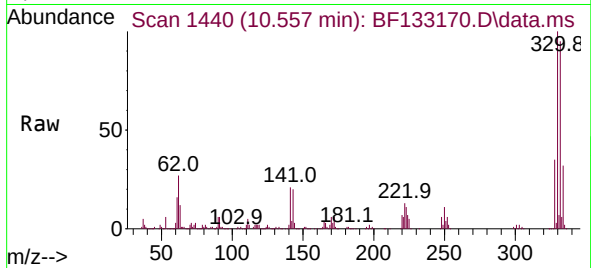
Tgt Ion:164 Resp: 408516
Ion Ratio Lower Upper
164 100
162 97.5 78.7 118.1
160 42.6 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 82.618 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

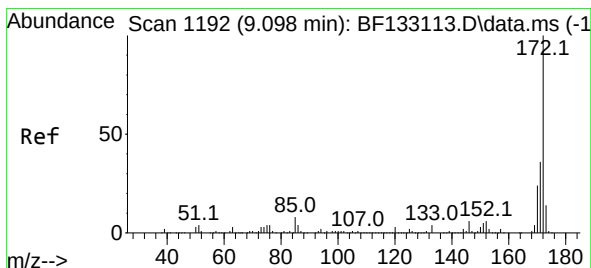
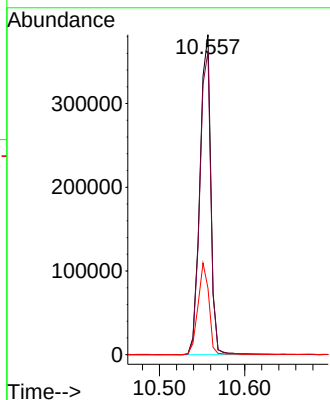
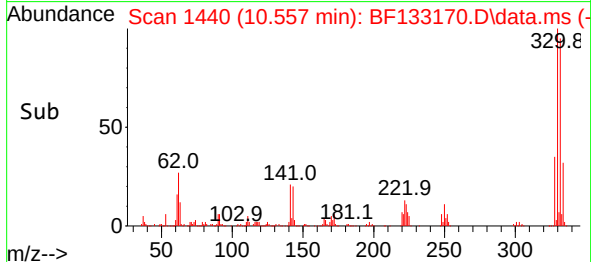
Instrument :
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ClientSampleId :
JC-03-042823-A



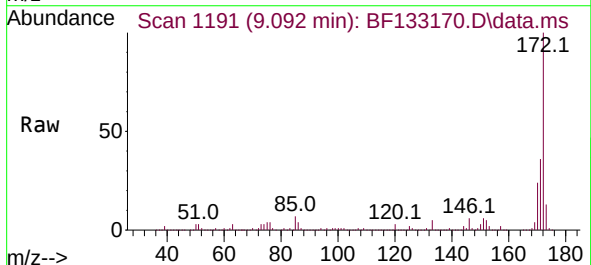
Tgt Ion: 330 Resp: 33942
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 28.9 25.8 38.8

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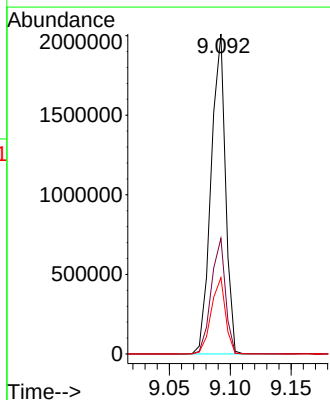
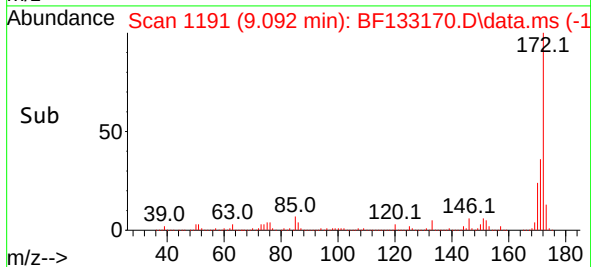
Reviewed By : Christian Giraldo 05/02/2023
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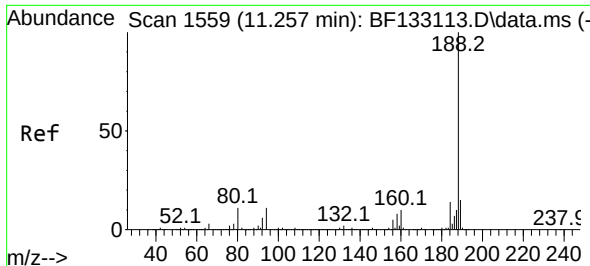


#45
2-Fluorobiphenyl
Concen: 67.903 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47



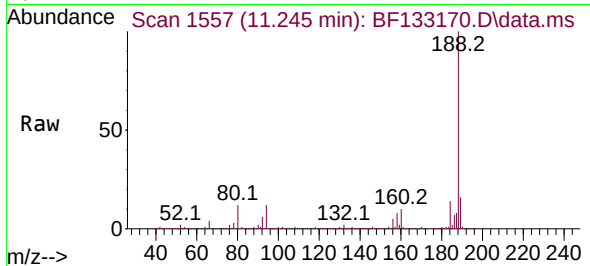
Tgt Ion: 172 Resp: 1658072
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.8 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

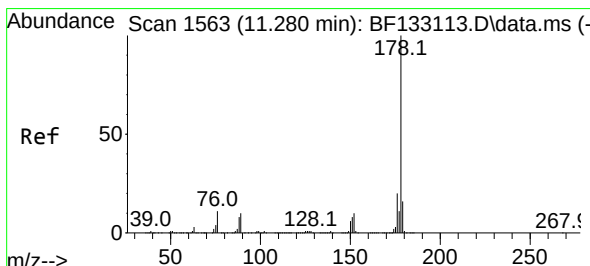
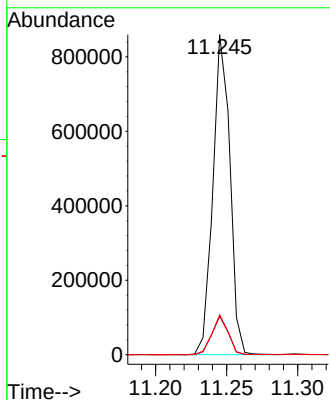
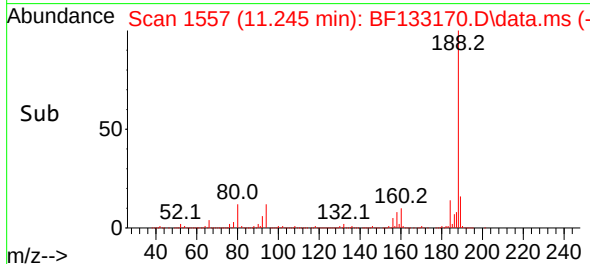
Instrument :
BNA_F
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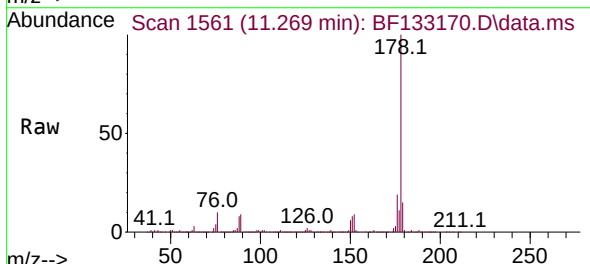
Tgt Ion:188 Resp: 716548
Ion Ratio Lower Upper
188 100
94 11.9 9.7 14.5
80 12.5 10.4 15.6

Manual Integrations
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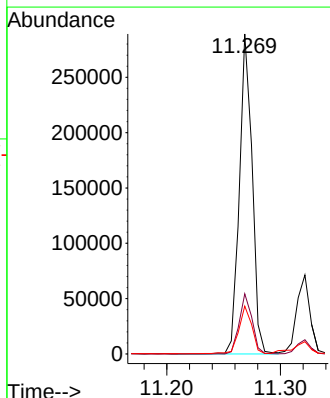
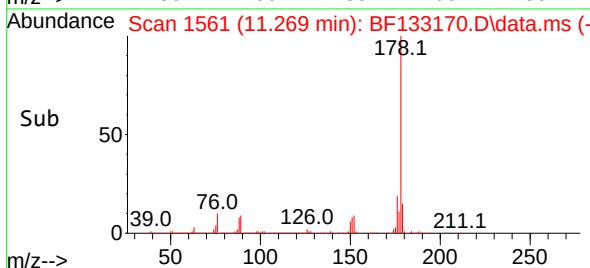
Reviewed By :Christian Giraldo 05/02/2023
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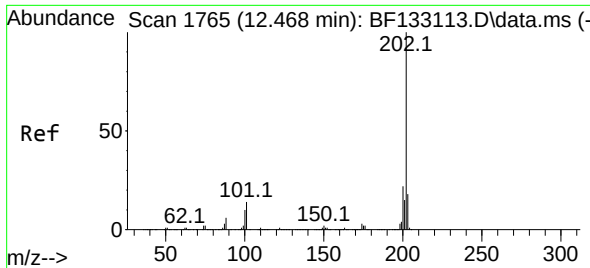


#71
Phenanthrene
Concen: 5.853 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47



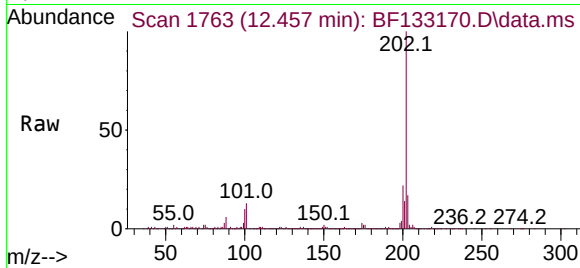
Tgt Ion:178 Resp: 225412
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.0 12.5 18.7





#75
Fluoranthene
Concen: 4.592 ng
RT: 12.457 min Scan# 1765
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

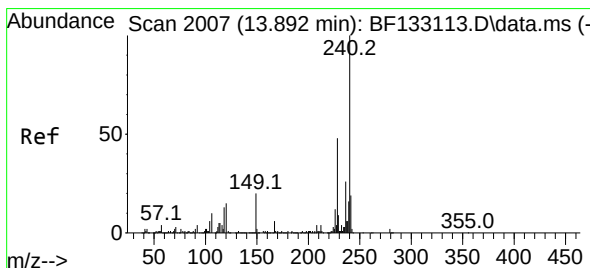
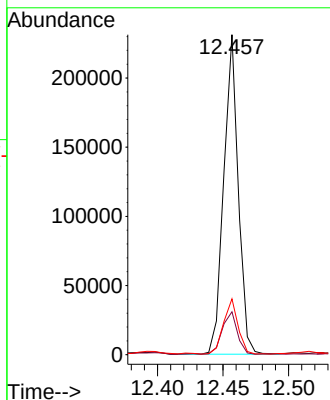
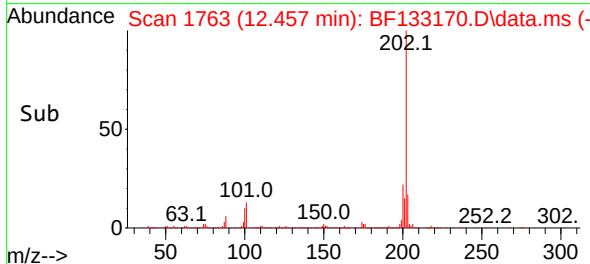
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ClientSampleId :
JC-03-042823-A



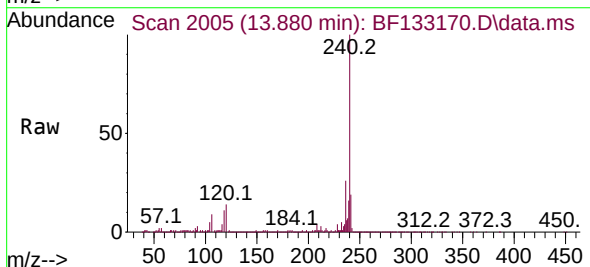
Tgt Ion:202 Resp: 177478
Ion Ratio Lower Upper
202 100
101 13.4 0.0 35.3
203 17.4 0.0 38.1

Manual Integrations
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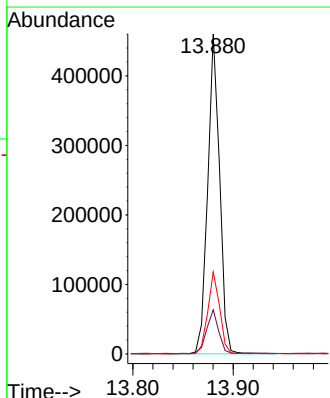
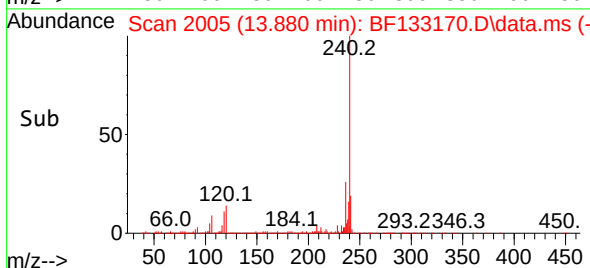
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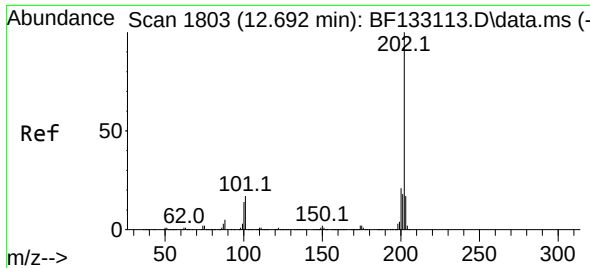


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47



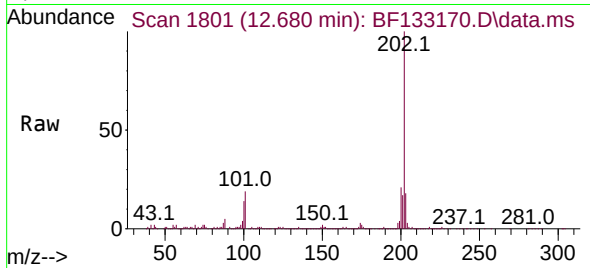
Tgt Ion:240 Resp: 380889
Ion Ratio Lower Upper
240 100
120 13.8 10.5 15.7
236 25.6 21.5 32.3





#78
Pyrene
Concen: 5.356 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

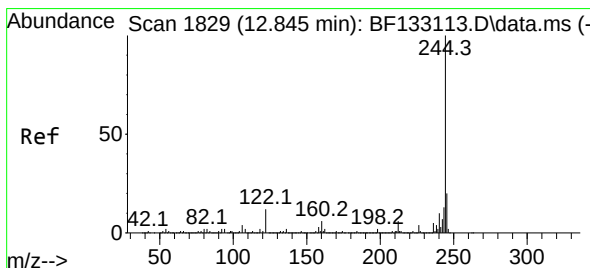
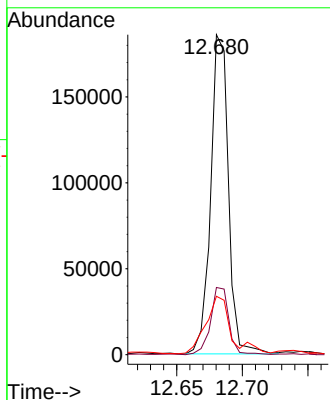
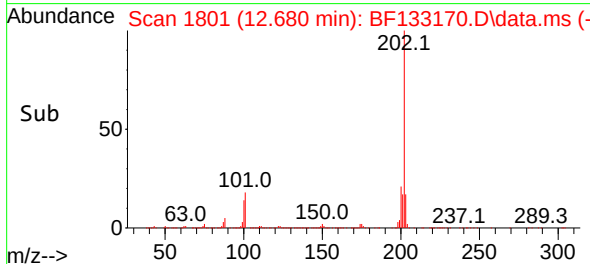
Instrument :
BNA_F
ClientSampleId :
JC-03-042823-A



Tgt Ion:202 Resp: 17488
Ion Ratio Lower Upper
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200 21.0 17.1 25.7
203 18.3 14.1 21.1

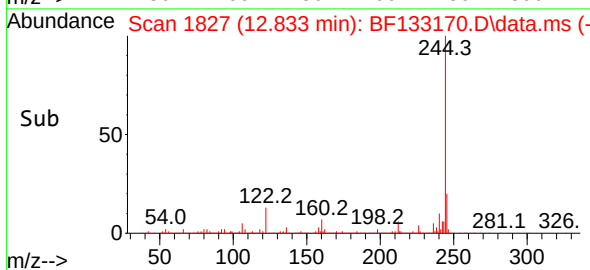
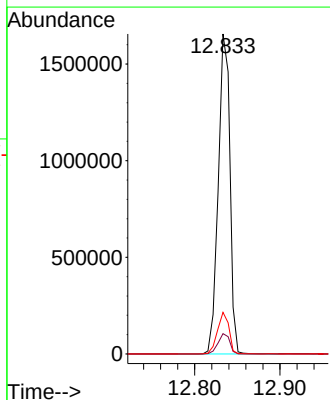
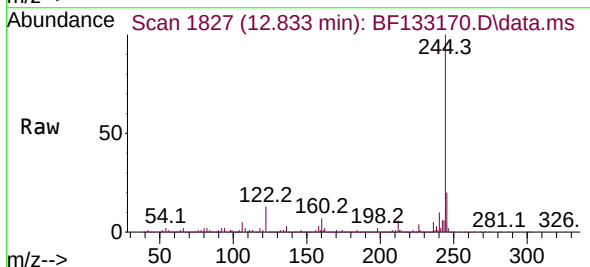
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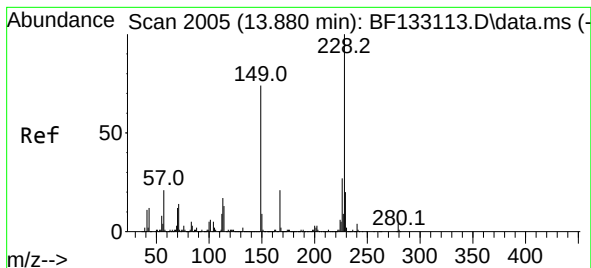
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#79
Terphenyl-d14
Concen: 70.983 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

Tgt Ion:244 Resp: 1567636
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 13.0 8.6 13.0#





#81

Benzo(a)anthracene

Concen: 2.734 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF133170.D

Acq: 01 May 2023 22:47

Instrument :

BNF

ClientSampleId :

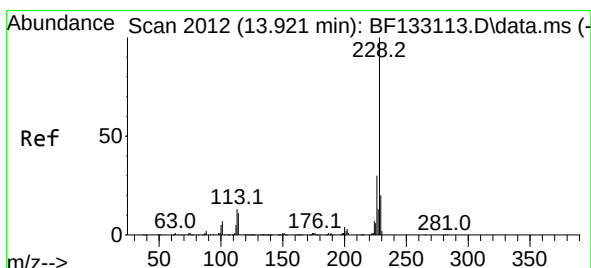
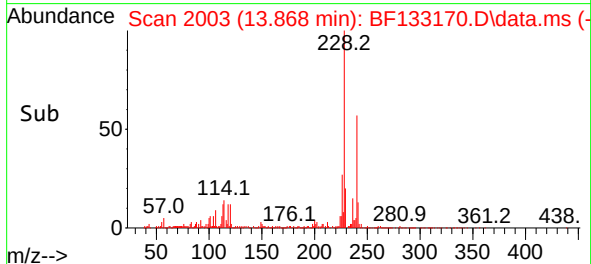
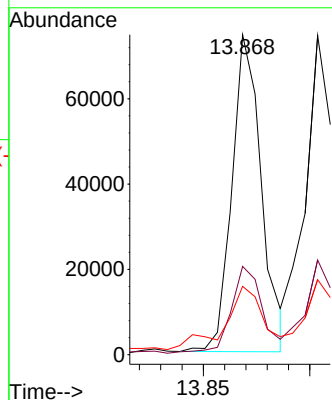
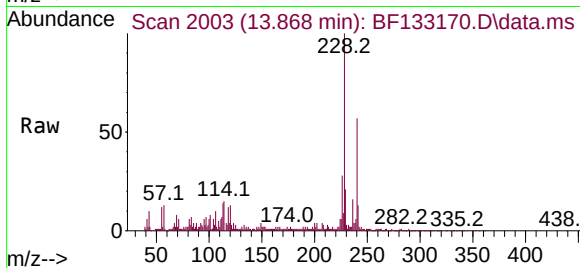
JC-03-042823-A

Tgt Ion:228 Resp: 71598
 Ion Ratio Lower Upper
 228 100
 226 27.6 22.2 33.4
 229 21.3 16.0 24.0

Manual Integrations

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Reviewed By :Christian Giraldo 05/02/2023
 Supervised By :Jagrut Upadhyay 05/02/2023



#83

Chrysene

Concen: 2.614 ng

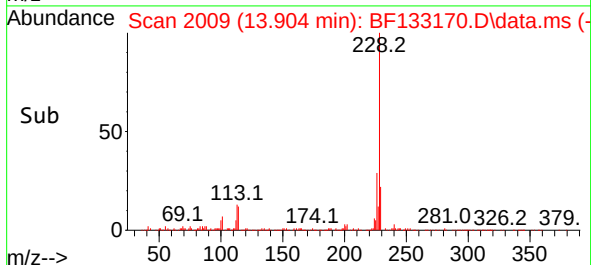
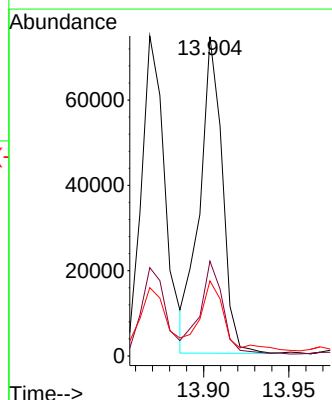
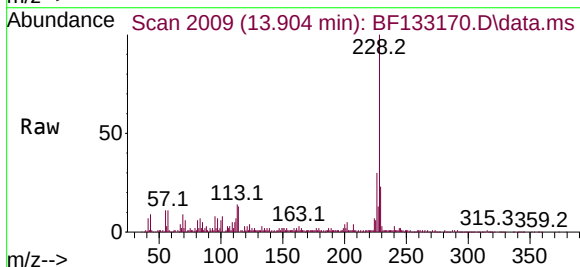
RT: 13.904 min Scan# 2009

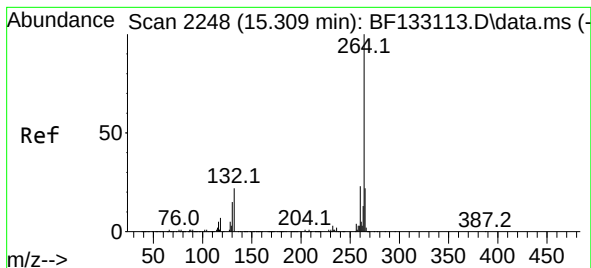
Delta R.T. -0.012 min

Lab File: BF133170.D

Acq: 01 May 2023 22:47

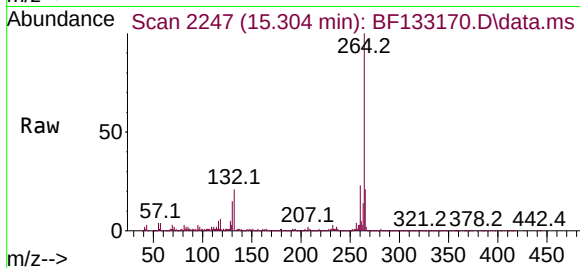
Tgt Ion:228 Resp: 68460
 Ion Ratio Lower Upper
 228 100
 226 29.7 24.7 37.1
 229 23.5 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

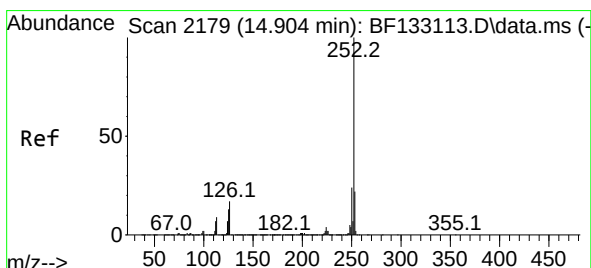
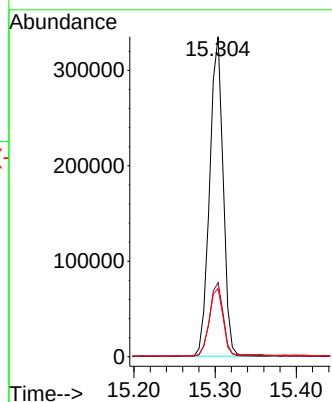
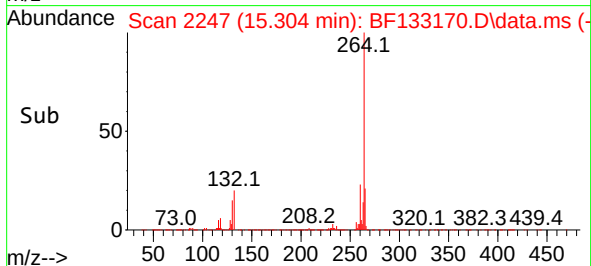
Instrument :
BNA_F
ClientSampleId :
JC-03-042823-A



Tgt Ion:264 Resp: 385680
Ion Ratio Lower Upper
264 100
260 23.1 18.8 28.2
265 21.3 17.0 25.4

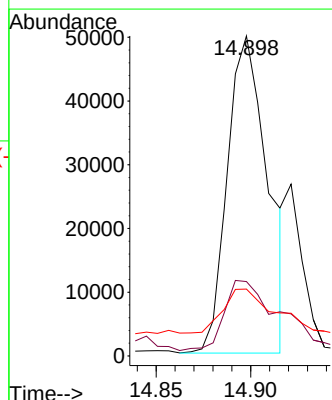
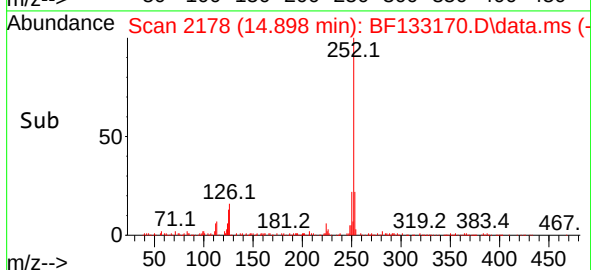
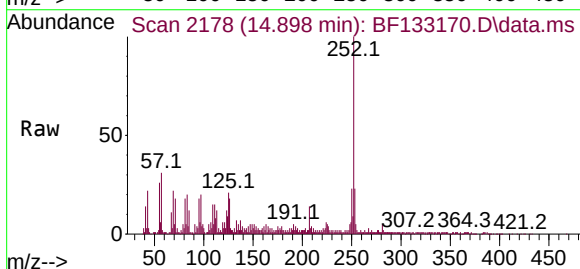
Manual Integrations
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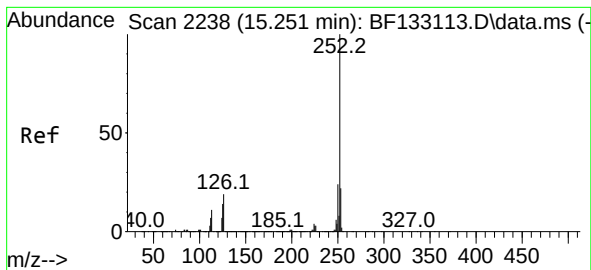
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#88
Benzo(b)fluoranthene
Concen: 3.010 ng m
RT: 14.898 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

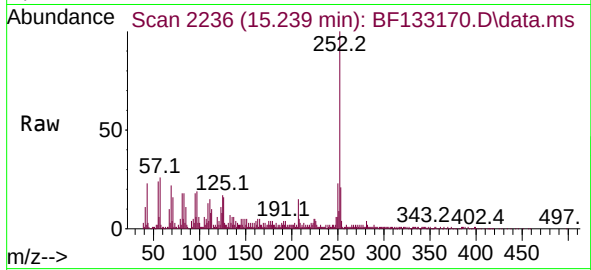
Tgt Ion:252 Resp: 73844
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 20.9 8.9 13.3#





#90
Benzo(a)pyrene
Concen: 2.377 ng
RT: 15.239 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133170.D
Acq: 01 May 2023 22:47

Instrument :
BNA_F
ClientSampleId :
JC-03-042823-A



Tgt Ion:252 Resp: 53085
Ion Ratio Lower Upper
252 100
253 21.2 17.7 26.5
125 17.5 10.5 15.7

Manual Integrations
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Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

