

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133251.D
 Acq On : 05 May 2023 01:44
 Operator : CG\JU
 Sample : 02588-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-B-0-3-05012023

Quant Time: May 05 05:35:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	185432	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	740848	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	365806	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	547782	20.000	ng	0.00
76) Chrysene-d12	13.874	240	352984	20.000	ng	-0.01
86) Perylene-d12	15.292	264	303928	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1147032	93.442	ng	0.00
7) Phenol-d6	6.363	99	1379672	90.552	ng	-0.01
23) Nitrobenzene-d5	7.292	82	864055	62.953	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	287792	78.228	ng	-0.01
45) 2-Fluorobiphenyl	9.086	172	1404131	64.217	ng	0.00
79) Terphenyl-d14	12.827	244	1082444	52.888	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.263	178	325992	11.072	ng	100
72) Anthracene	11.316	178	93962	3.119	ng	98
75) Fluoranthene	12.451	202	461699	15.625	ng	97
78) Pyrene	12.675	202	385281	12.733	ng	97
81) Benzo(a)anthracene	13.863	228	190832	7.862	ng	97
83) Chrysene	13.898	228	171418	7.064	ng	96
87) Indeno(1,2,3-cd)pyrene	16.657	276	58194	3.366	ng	96
88) Benzo(b)fluoranthene	14.886	252	187645m	9.705	ng	
89) Benzo(k)fluoranthene	14.916	252	70564m	3.682	ng	
90) Benzo(a)pyrene	15.233	252	128326	7.292	ng	99
92) Benzo(g,h,i)perylene	17.074	276	54216	3.809	ng	96

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

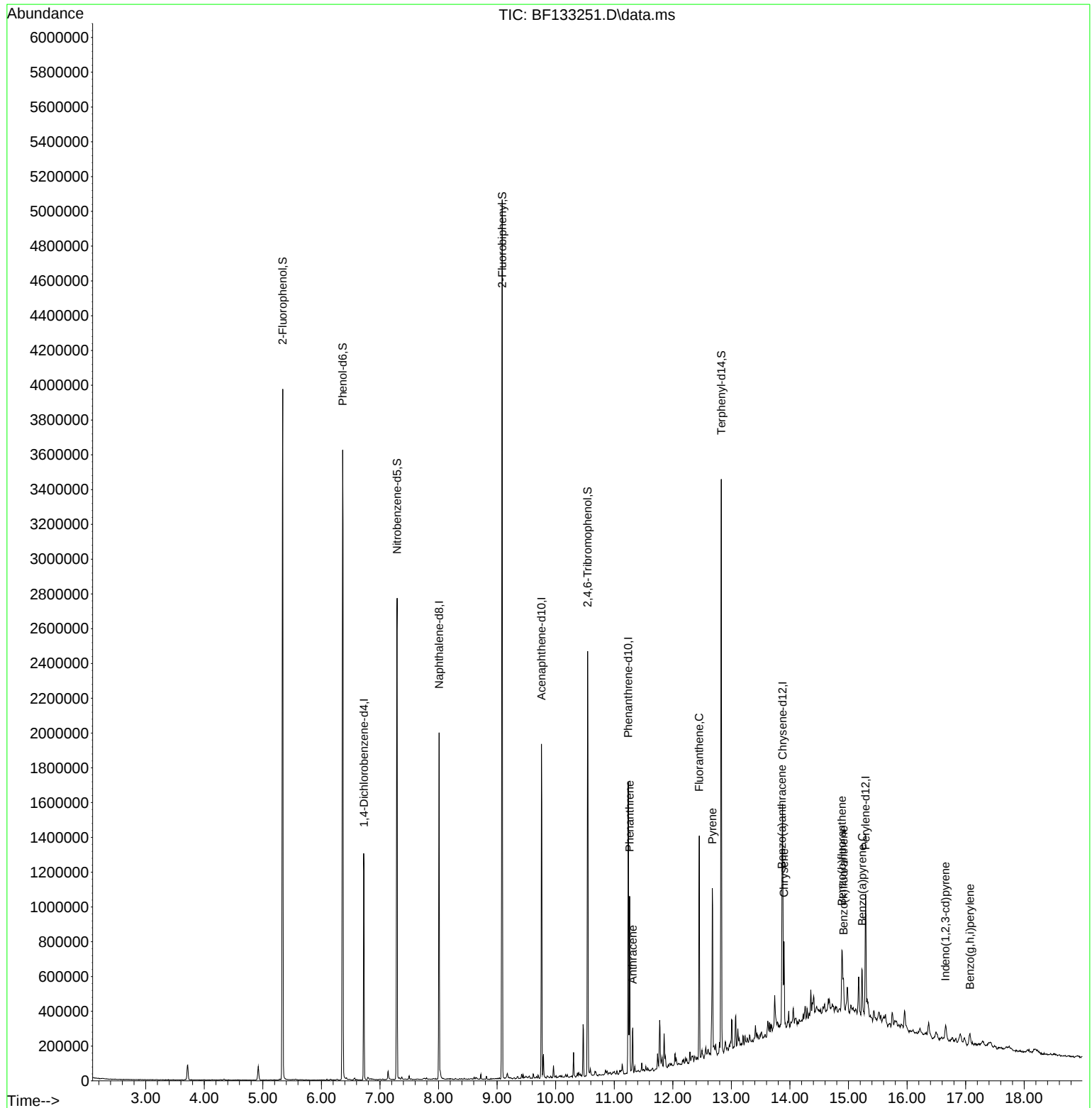
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Data File : BF133251.D
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ALS Vial : 21 Sample Multiplier: 1

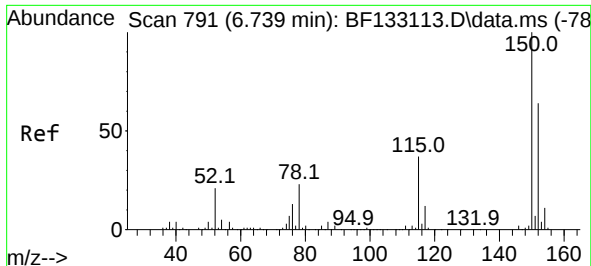
Instrument :
BNA_F
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ZONE-B-0-3-05012023

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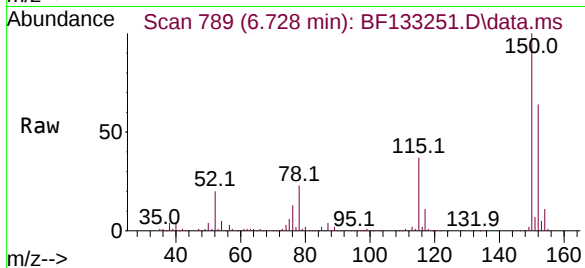
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Supervised By : Jagrut Upadhyay 05/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

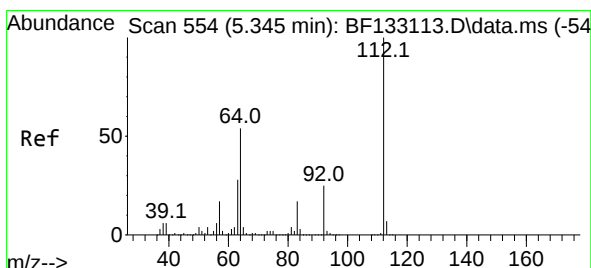
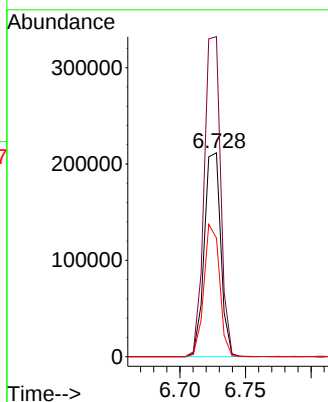
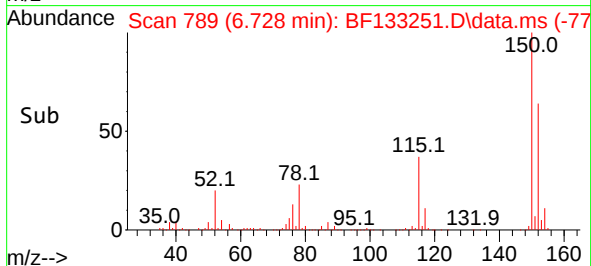
Instrument :
BNA_F
ClientSampleId :
ZONE-B-0-3-05012023



Tgt Ion:152 Resp: 185432
Ion Ratio Lower Upper
152 100
150 157.0 124.8 187.2
115 58.3 49.9 74.9

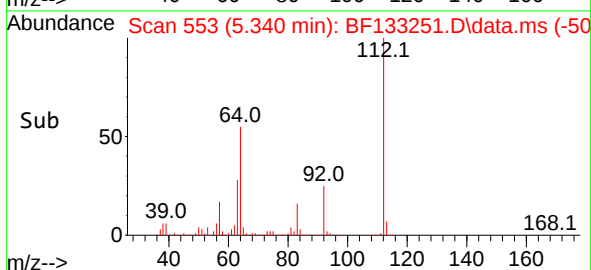
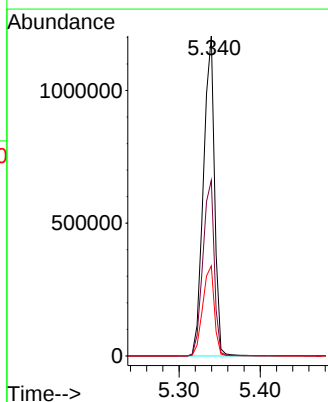
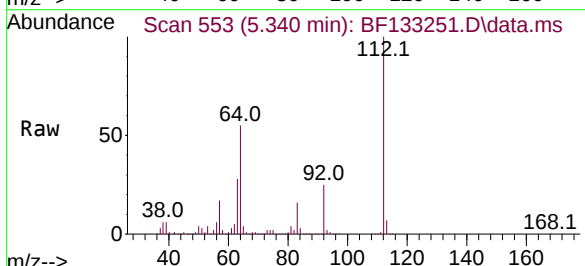
Manual Integrations
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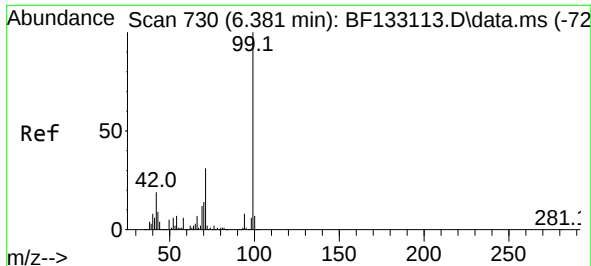
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#5
2-Fluorophenol
Concen: 93.442 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.006 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

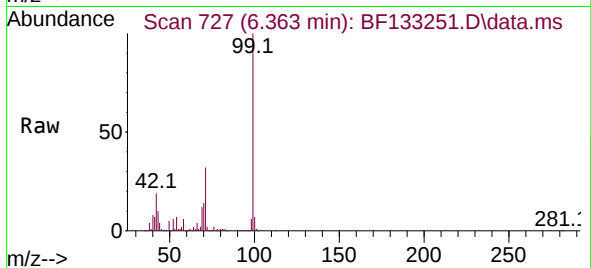
Tgt Ion:112 Resp: 1147032
Ion Ratio Lower Upper
112 100
64 54.9 46.8 70.2
63 28.2 23.8 35.8





#7
Phenol-d6
Concen: 90.552 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

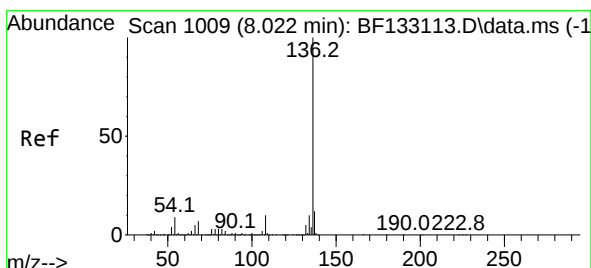
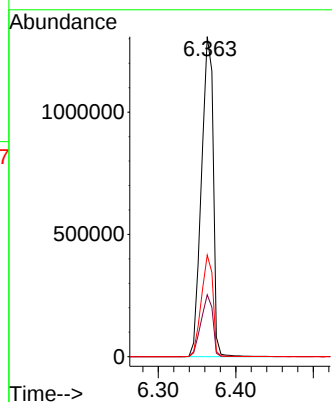
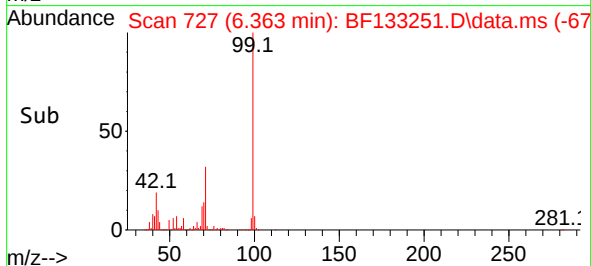
Instrument :
BNA_F
ClientSampleId :
ZONE-B-0-3-05012023



Tgt Ion: 99 Resp: 1379672
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 31.8 25.6 38.4

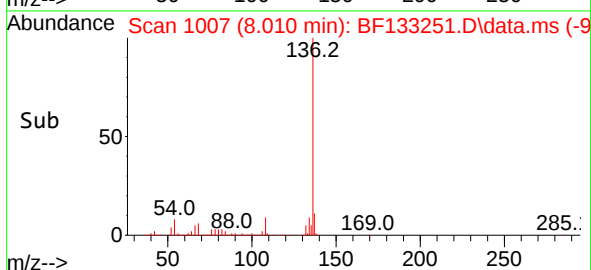
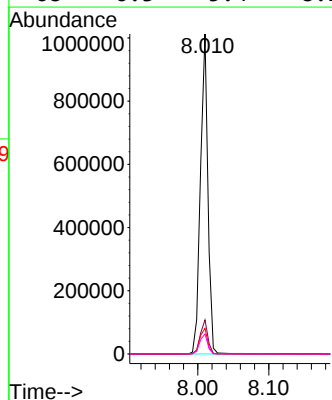
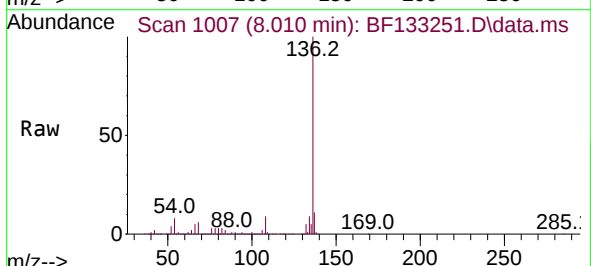
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

Tgt Ion:136 Resp: 740848
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.0 7.0 10.4
68 6.3 5.4 8.2





#23

Nitrobenzene-d5

Concen: 62.953 ng

RT: 7.292 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133251.D

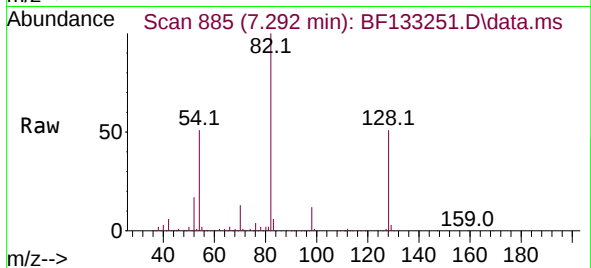
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Instrument :

BNA_F

ClientSampleId :

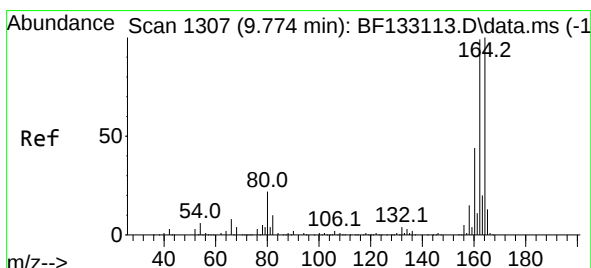
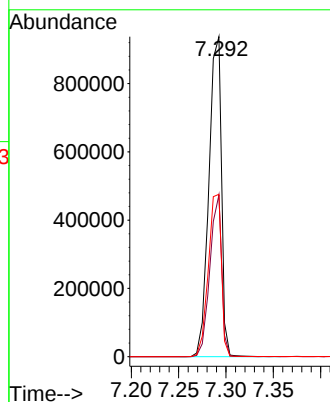
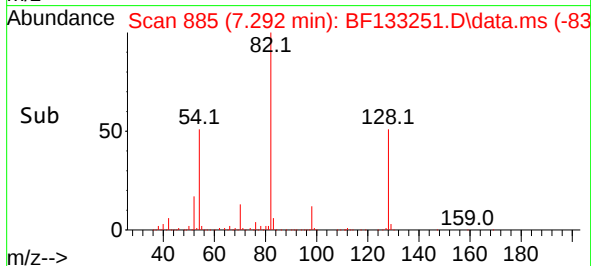
ZONE-B-0-3-05012023



Tgt Ion:	82	Resp:	86405
Ion Ratio	Lower	Upper	
82	100		
128	50.6	37.7	56.5
54	50.7	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

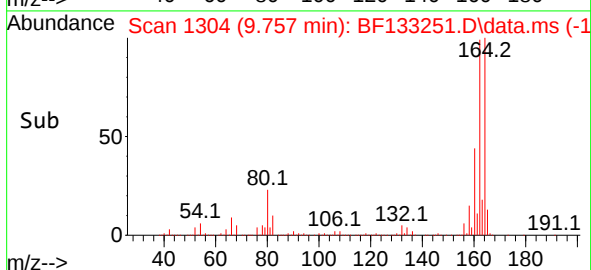
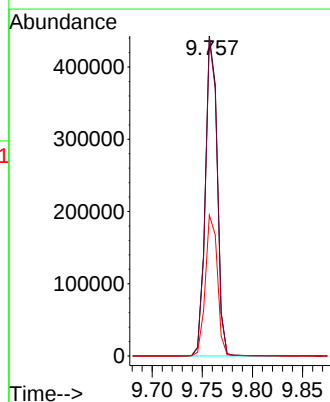
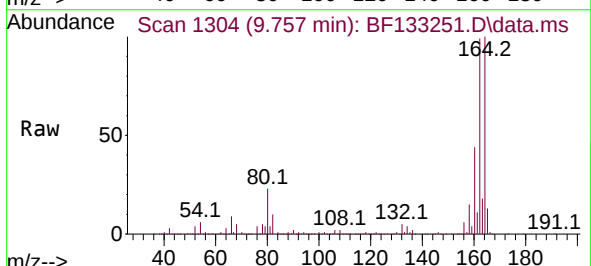
RT: 9.757 min Scan# 1304

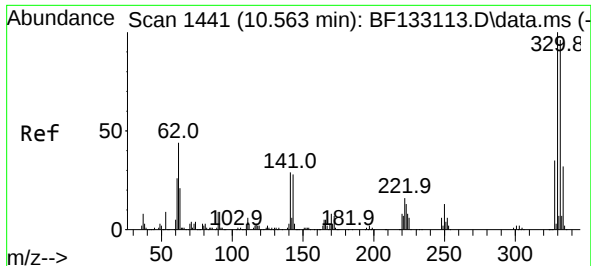
Delta R.T. -0.012 min

Lab File: BF133251.D

Acq: 05 May 2023 01:44

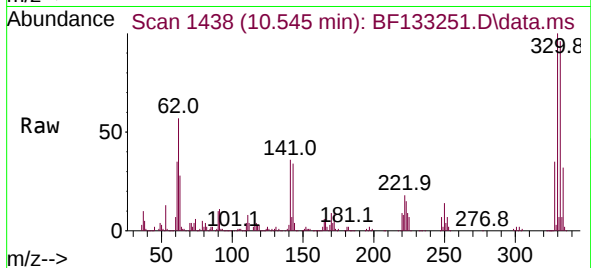
Tgt Ion:	164	Resp:	365806
Ion Ratio	Lower	Upper	
164	100		
162	99.2	78.7	118.1
160	44.0	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 78.228 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

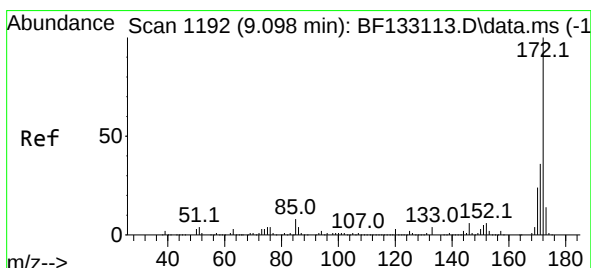
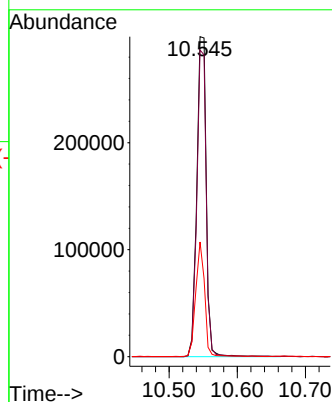
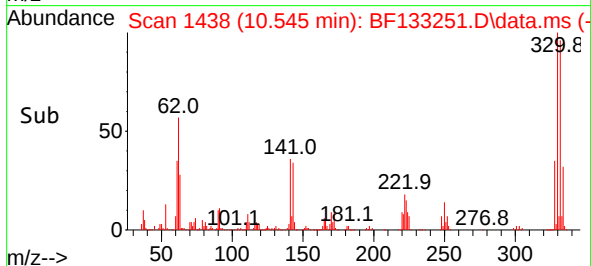
Instrument :
BNA_F
ClientSampleId :
ZONE-B-0-3-05012023



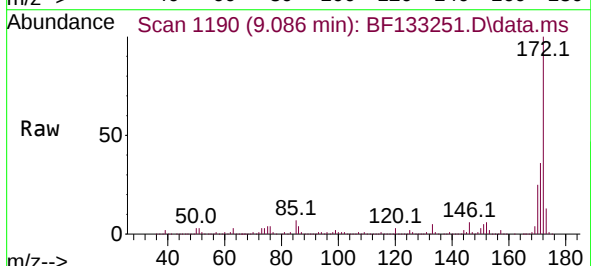
Tgt Ion: 330 Resp: 287792
Ion Ratio Lower Upper
330 100
332 94.6 77.1 115.7
141 33.6 25.8 38.8

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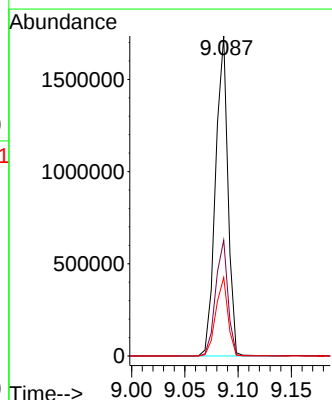
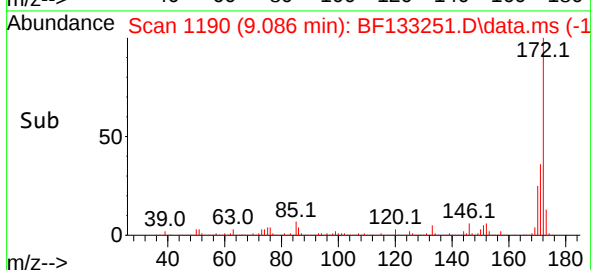
Reviewed By : Christian Giraldo 05/05/2023
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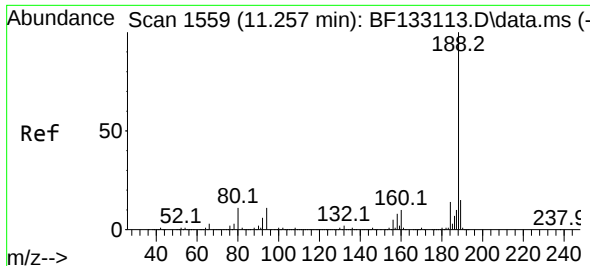


#45
2-Fluorobiphenyl
Concen: 64.217 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44



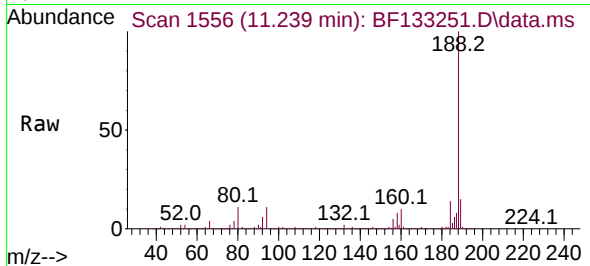
Tgt Ion: 172 Resp: 1404131
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.5 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

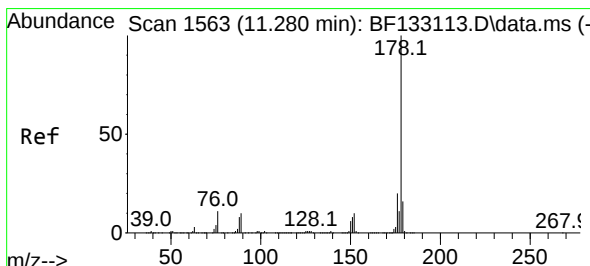
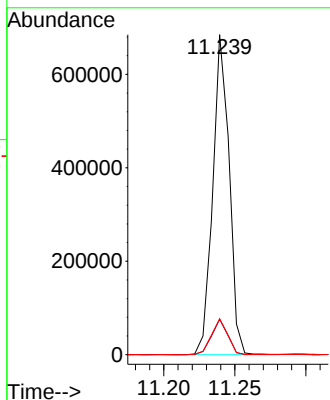
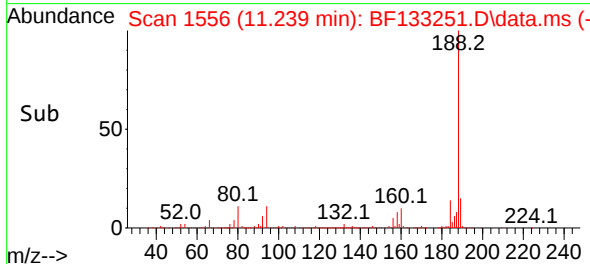
Instrument :
BNA_F
ClientSampleId :
ZONE-B-0-3-05012023



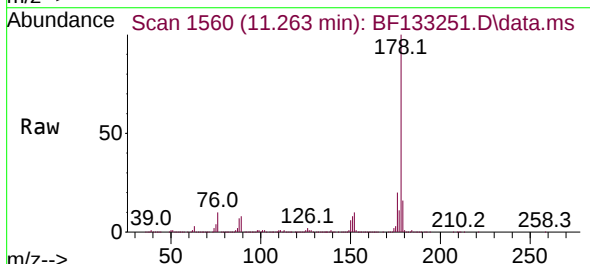
Tgt Ion:188 Resp: 547782
Ion Ratio Lower Upper
188 100
94 11.1 9.7 14.5
80 11.3 10.4 15.6

Manual Integrations
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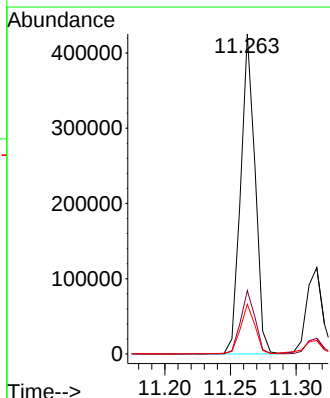
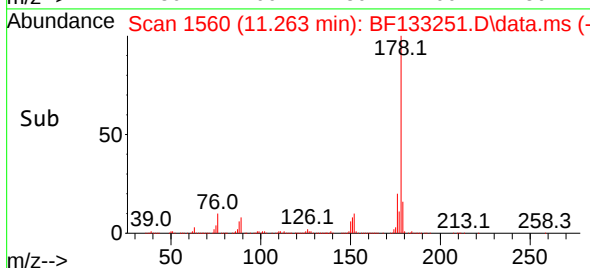
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Supervised By :Jagrut Upadhyay 05/05/2023

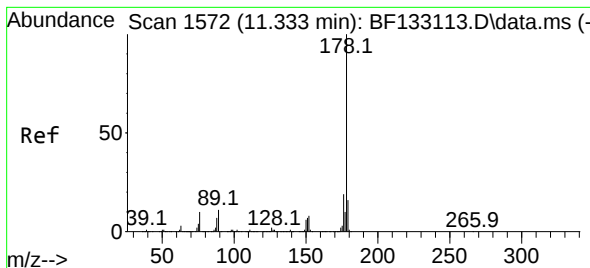


#71
Phenanthrene
Concen: 11.072 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44



Tgt Ion:178 Resp: 325992
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.6 12.5 18.7





#72

Anthracene

Concen: 3.119 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133251.D

Acq: 05 May 2023 01:44

Instrument :

BNA_F

ClientSampleId :

ZONE-B-0-3-05012023

Tgt Ion:178 Resp: 93962

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.0

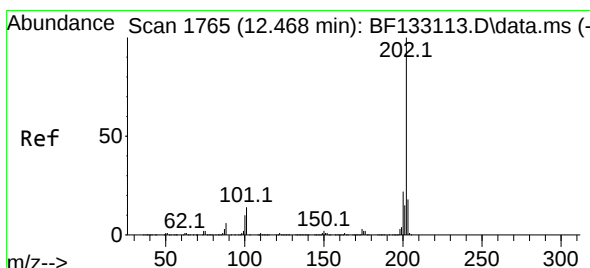
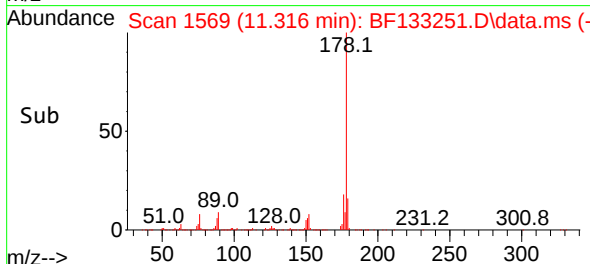
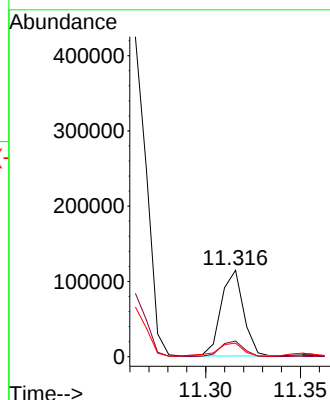
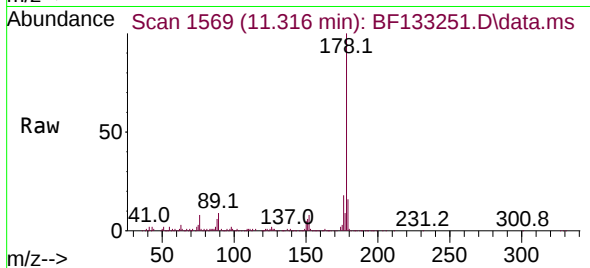
179 15.8 12.4 18.6

Manual Integrations

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#75

Fluoranthene

Concen: 15.625 ng

RT: 12.451 min Scan# 1762

Delta R.T. -0.006 min

Lab File: BF133251.D

Acq: 05 May 2023 01:44

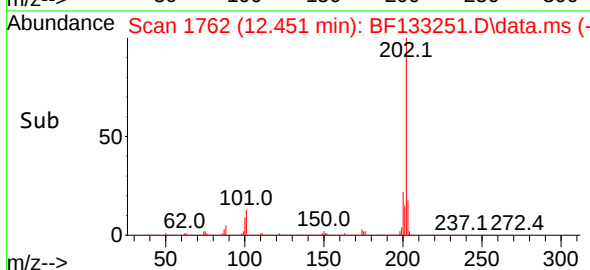
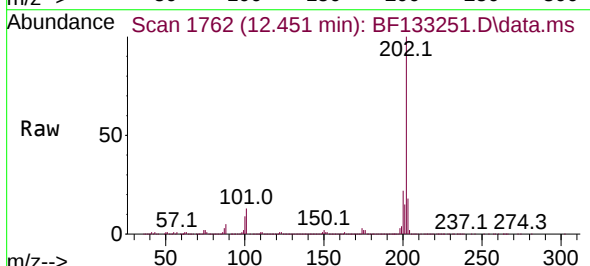
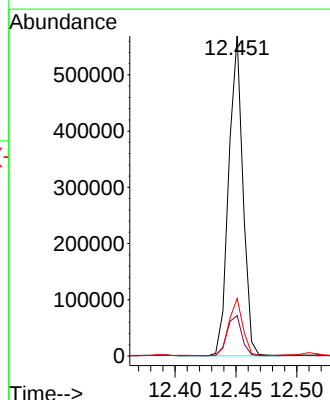
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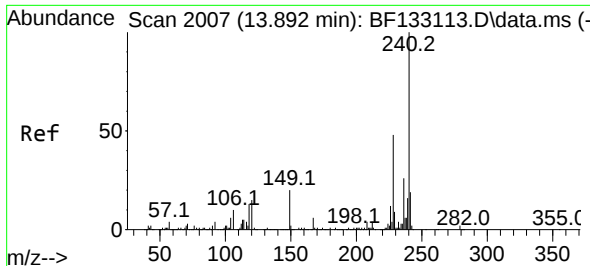
Ion Ratio Lower Upper

202 100

101 12.6 0.0 35.3

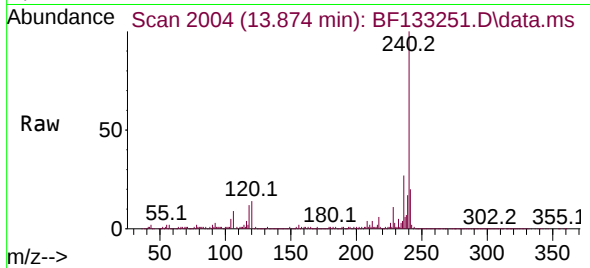
203 17.9 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

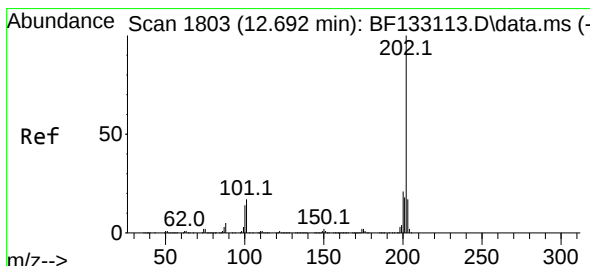
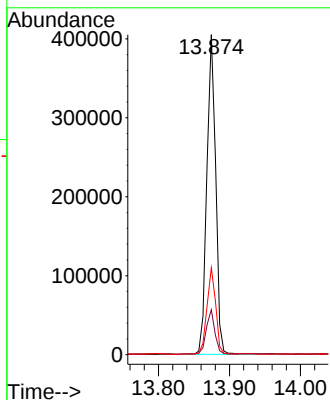
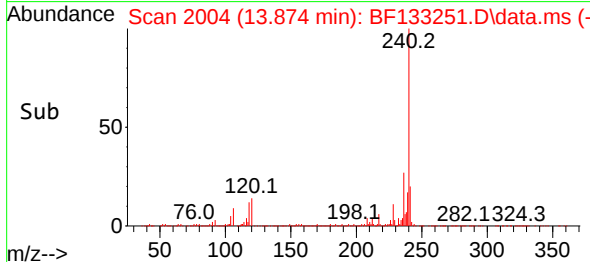
Instrument :
BNA_F
ClientSampleId :
ZONE-B-0-3-05012023



Tgt Ion:240 Resp: 352984
Ion Ratio Lower Upper
240 100
120 14.0 10.5 15.7
236 27.2 21.5 32.3

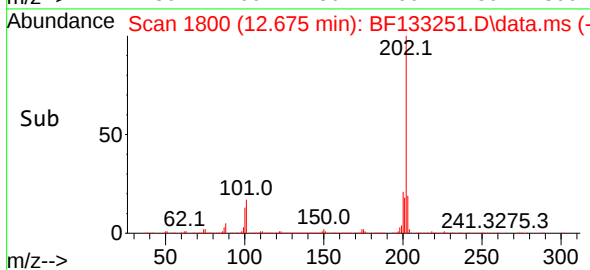
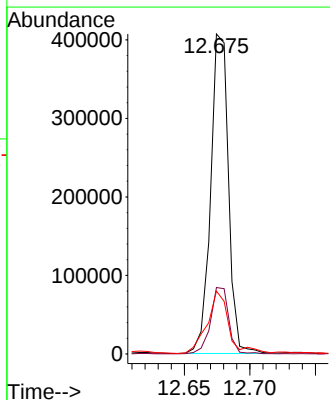
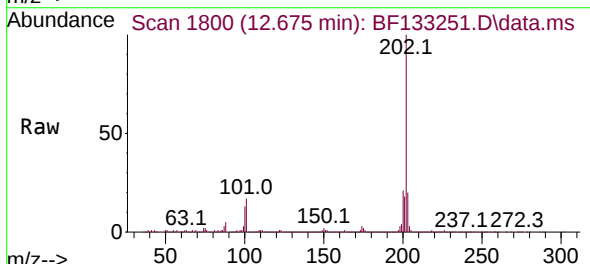
Manual Integrations
APPROVED

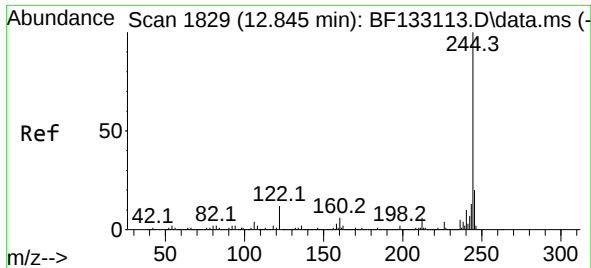
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#78
Pyrene
Concen: 12.733 ng
RT: 12.675 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

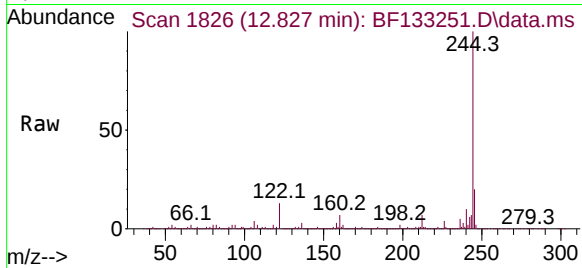
Tgt Ion:202 Resp: 385281
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 19.6 14.1 21.1





#79
 Terphenyl-d14
 Concen: 52.888 ng
 RT: 12.827 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133251.D
 Acq: 05 May 2023 01:44

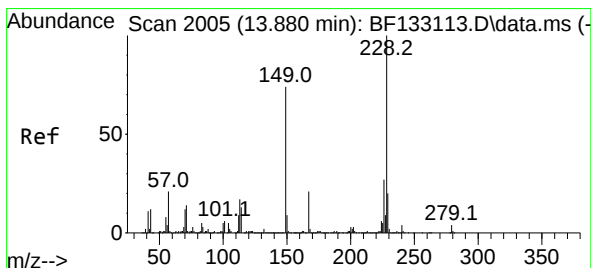
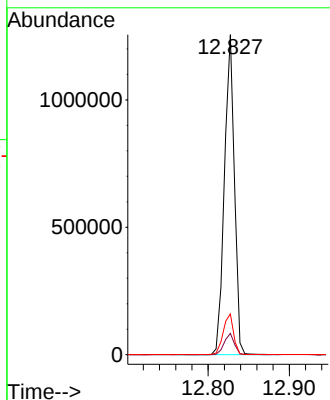
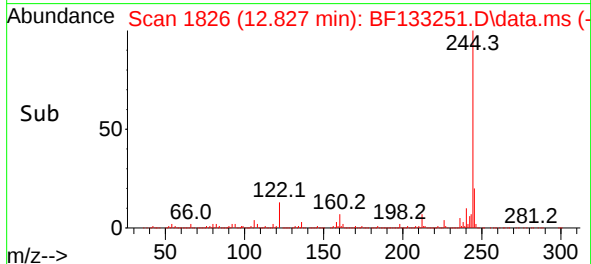
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-B-0-3-05012023



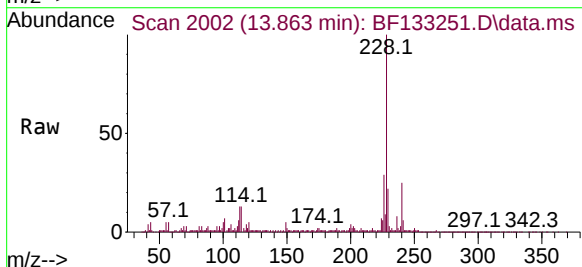
Tgt Ion:244 Resp: 108244
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 12.8 8.6 13.0

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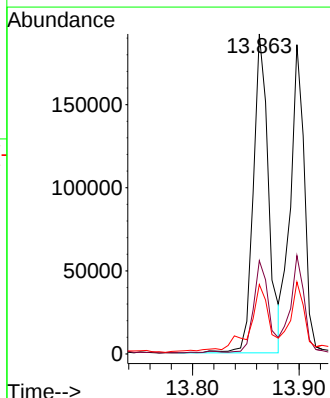
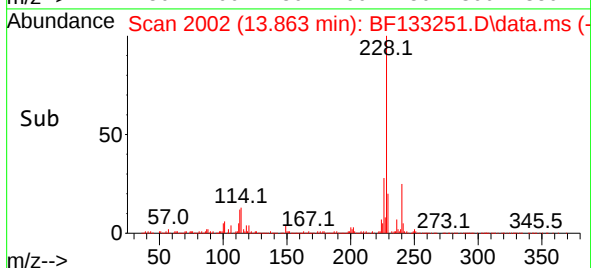
Reviewed By :Christian Giraldo 05/05/2023
 Supervised By :Jagrut Upadhyay 05/05/2023

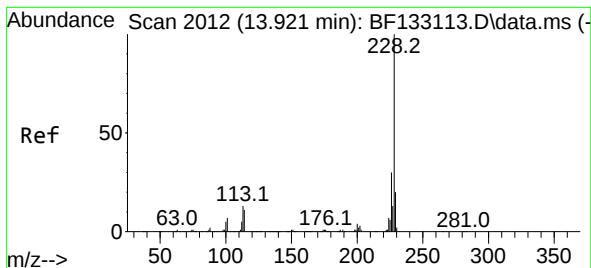


#81
 Benzo(a)anthracene
 Concen: 7.862 ng
 RT: 13.863 min Scan# 2002
 Delta R.T. -0.012 min
 Lab File: BF133251.D
 Acq: 05 May 2023 01:44



Tgt Ion:228 Resp: 190832
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.2 33.4
 229 21.7 16.0 24.0





#83

Chrysene

Concen: 7.064 ng

RT: 13.898 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF133251.D

Acq: 05 May 2023 01:44

Instrument :

BNA_F

ClientSampleId :

ZONE-B-0-3-05012023

Tgt Ion:228 Resp: 171418

Ion Ratio Lower Upper

228 100

226 31.8 24.7 37.1

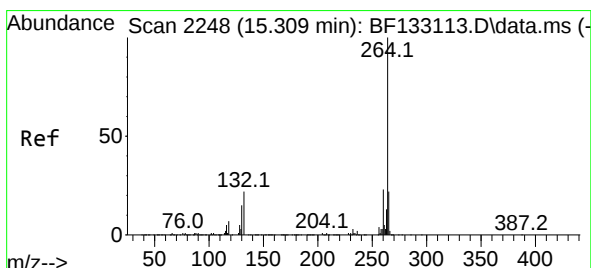
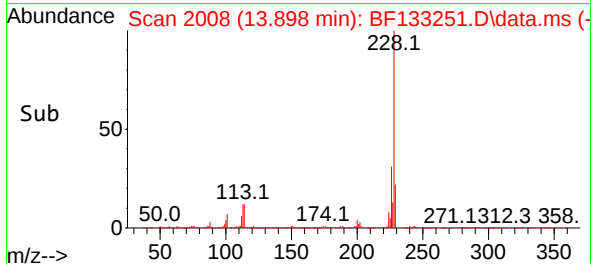
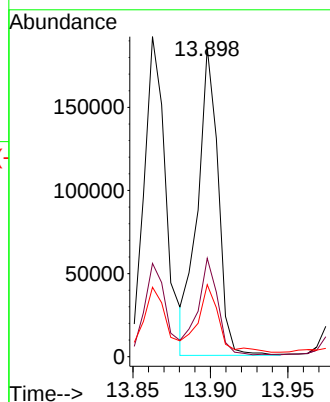
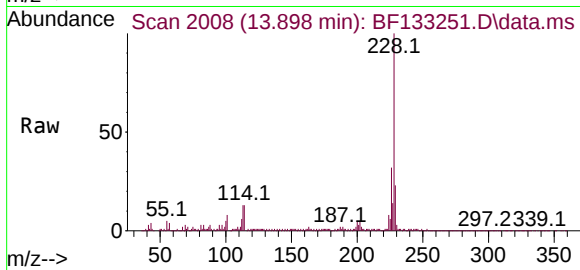
229 23.3 16.1 24.1

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Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. -0.006 min

Lab File: BF133251.D

Acq: 05 May 2023 01:44

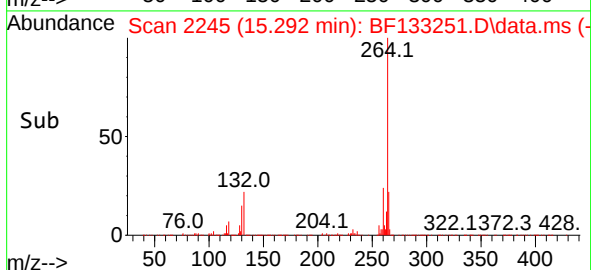
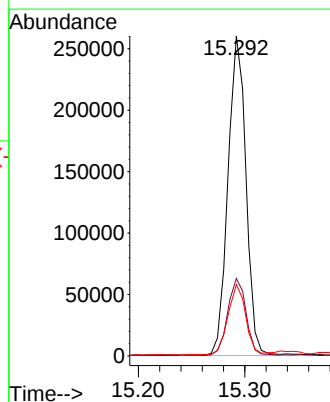
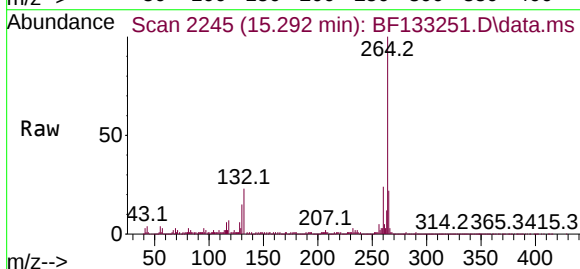
Tgt Ion:264 Resp: 303928

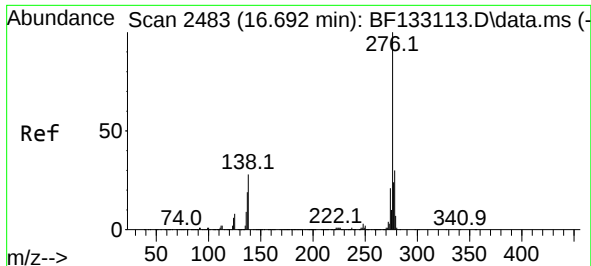
Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

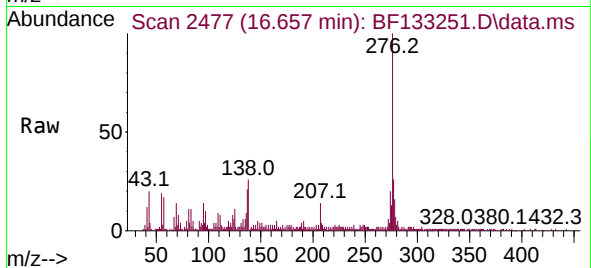
265 22.3 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.366 ng
RT: 16.657 min Scan# 2483
Delta R.T. -0.018 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

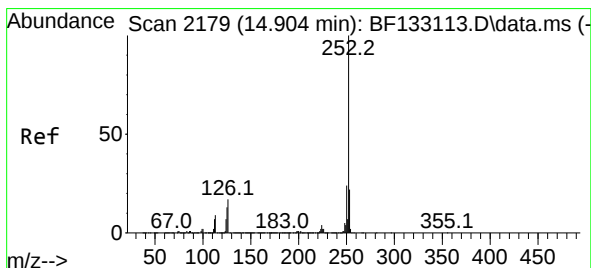
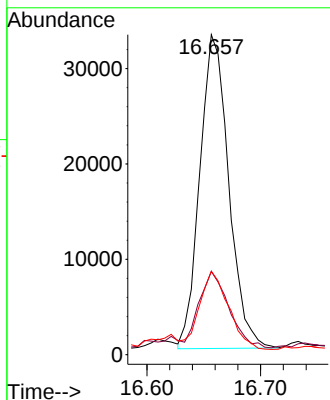
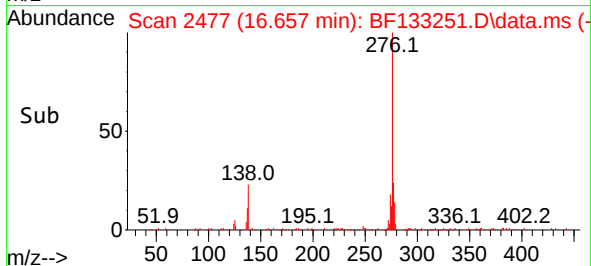
Instrument :
BNA_F
ClientSampleId :
ZONE-B-0-3-05012023



Tgt Ion: 276 Resp: 58194
Ion Ratio Lower Upper
276 100
138 28.3 25.5 38.3
277 25.3 20.4 30.6

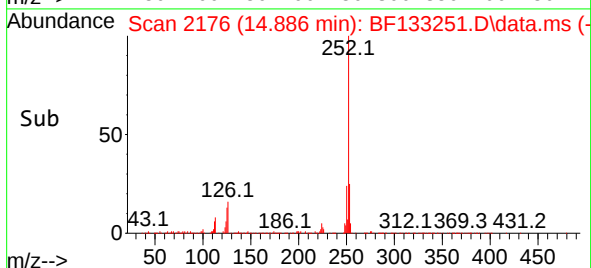
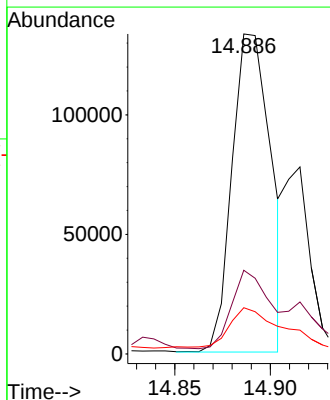
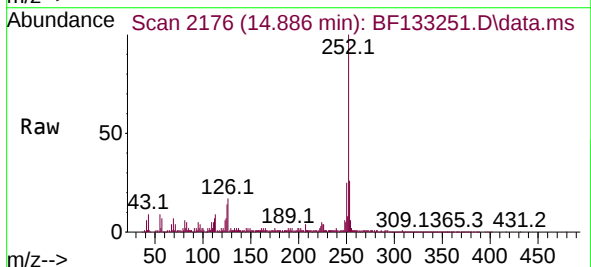
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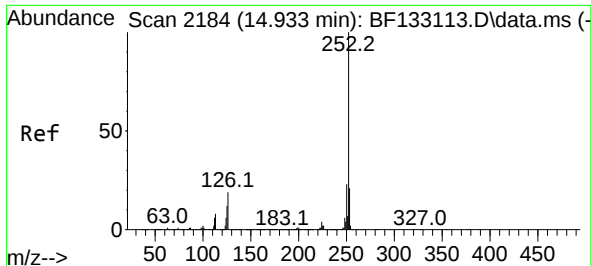
Reviewed By : Christian Giraldo 05/05/2023
Supervised By : Jagrut Upadhyay 05/05/2023



#88
Benzo(b)fluoranthene
Concen: 9.705 ng m
RT: 14.886 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

Tgt Ion: 252 Resp: 187645
Ion Ratio Lower Upper
252 100
253 26.2 17.6 26.4
125 14.4 8.9 13.3#





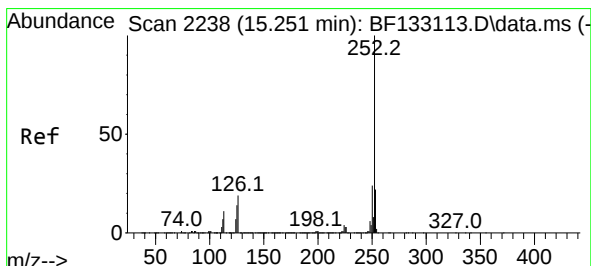
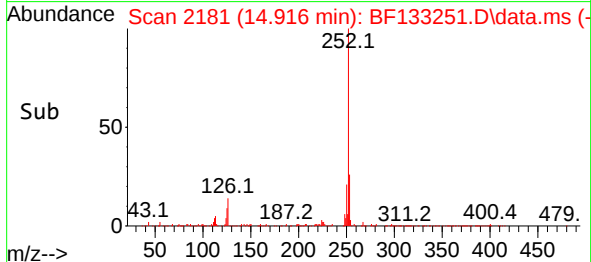
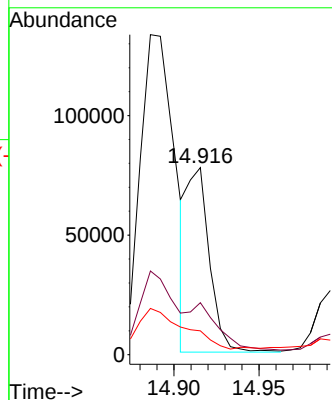
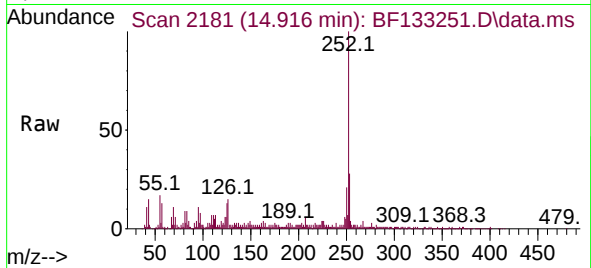
#89
Benzo(k)fluoranthene
Concen: 3.682 ng m
RT: 14.916 min Scan# 2184
Delta R.T. -0.012 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

Instrument :
BNA_F
ClientSampleId :
ZONE-B-0-3-05012023

Tgt Ion:252 Resp: 70564
Ion Ratio Lower Upper
252 100
253 27.8 17.7 26.5
125 12.7 9.0 13.4

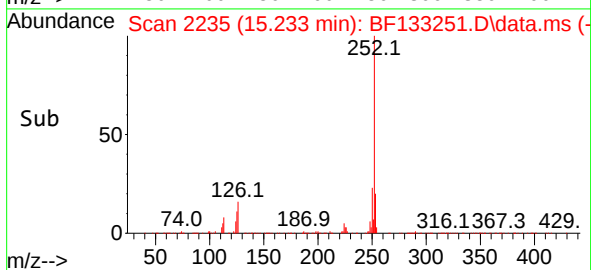
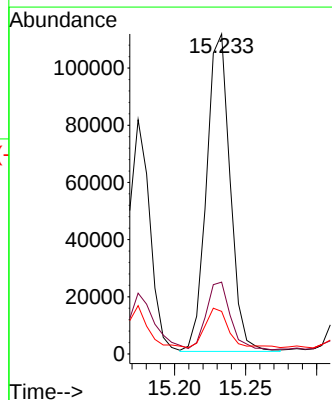
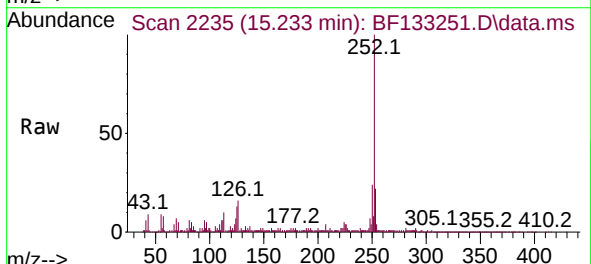
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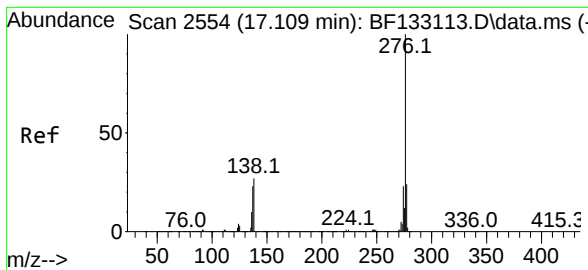
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#90
Benzo(a)pyrene
Concen: 7.292 ng
RT: 15.233 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

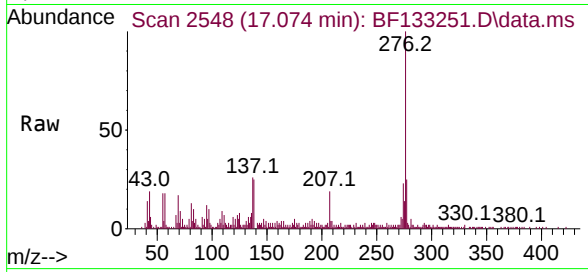
Tgt Ion:252 Resp: 128326
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 13.3 10.5 15.7





#92
Benzo(g,h,i)perylene
Concen: 3.809 ng
RT: 17.074 min Scan# 2548
Delta R.T. -0.018 min
Lab File: BF133251.D
Acq: 05 May 2023 01:44

Instrument : BNA_F
ClientSampleId : ZONE-B-0-3-05012023



Tgt Ion:	276	Resp:	54210
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.4	29.0
138	25.4	22.7	34.1

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

