

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
 Data File : BF133173.D
 Acq On : 02 May 2023 00:21
 Operator : CG\JU
 Sample : 02554-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-42823

Manual Integrations
 APPROVED

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

Quant Time: May 02 05:24:58 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	198046	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	772691	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	324180	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	495012	20.000	ng	# 0.00
76) Chrysene-d12	13.880	240	337136	20.000	ng	-0.01
86) Perylene-d12	15.304	264	266440	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1181241	90.100	ng	0.00
7) Phenol-d6	6.369	99	1354901	83.262	ng	0.00
23) Nitrobenzene-d5	7.292	82	835162	58.341	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	250222	76.749	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1470175	75.871	ng	0.00
79) Terphenyl-d14	12.839	244	1194495	61.106	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.269	178	58433	2.196	ng	# 95
75) Fluoranthene	12.457	202	102067	3.823	ng	78
78) Pyrene	12.686	202	113992	3.944	ng	97
81) Benzo(a)anthracene	13.874	228	53724	2.317	ng	93
83) Chrysene	13.910	228	60183m	2.597	ng	
88) Benzo(b)fluoranthene	14.898	252	58827m	3.470	ng	
90) Benzo(a)pyrene	15.239	252	38407	2.489	ng	# 84
92) Benzo(g,h,i)perylene	17.086	276	25335	2.030	ng	# 90

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

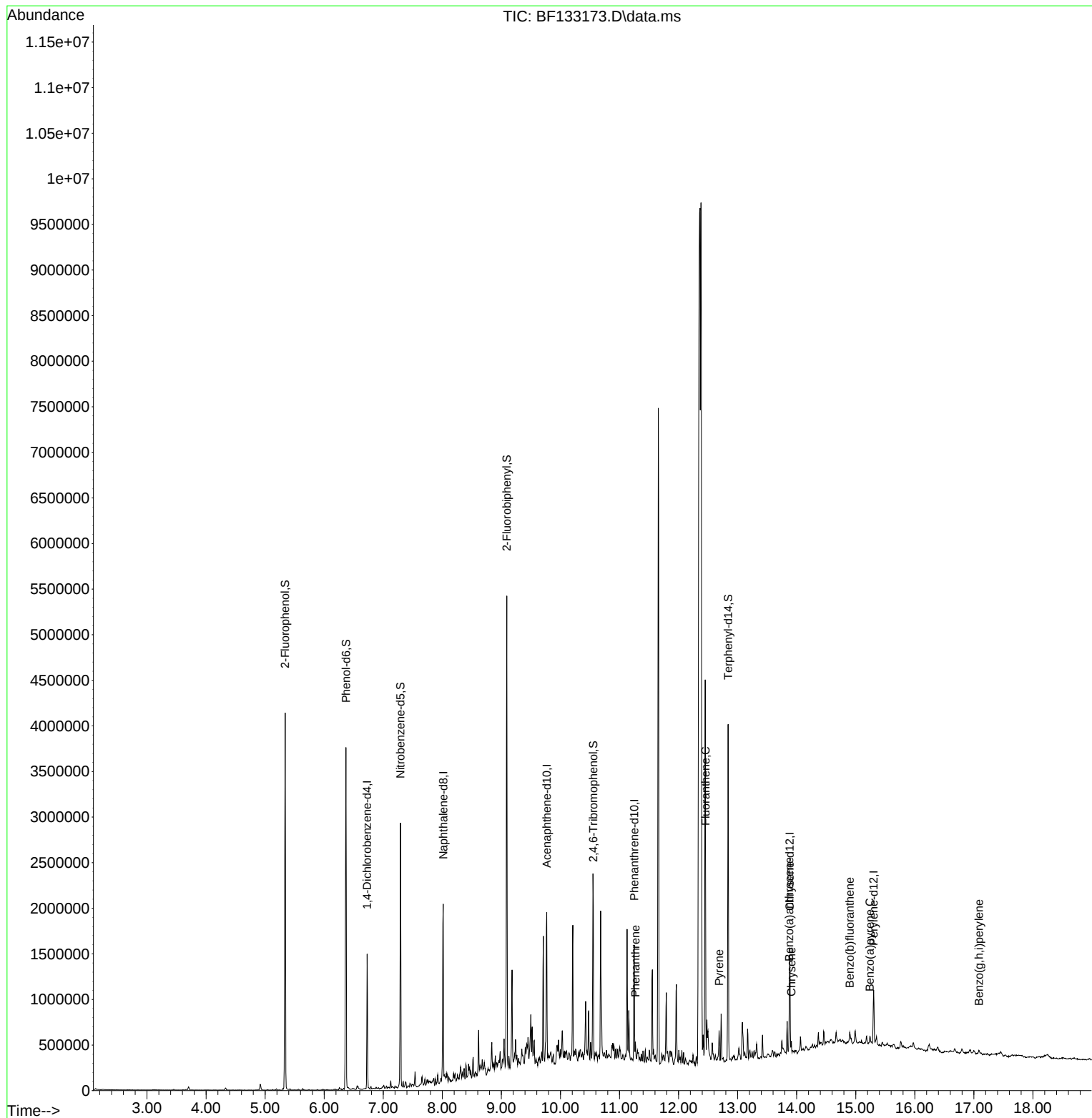
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050123\
Data File : BF133173.D
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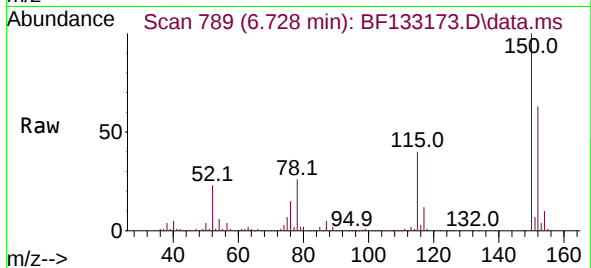
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Instrument :

BNA_F

ClientSampleId :

TR-04-42823

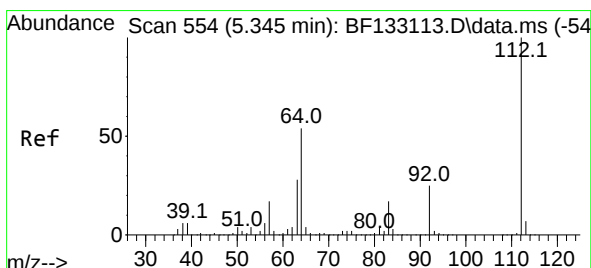
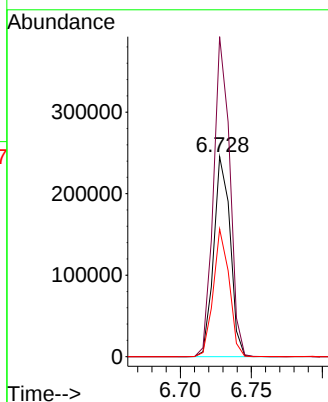
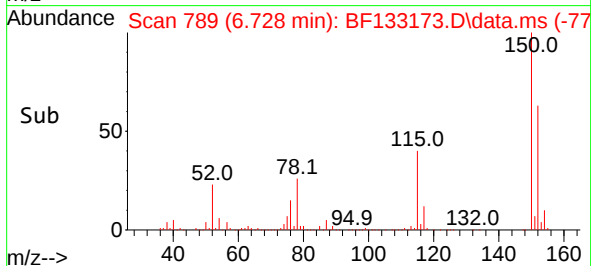


Tgt Ion:152 Resp: 198040
Ion Ratio Lower Upper
152 100
150 159.9 124.8 187.2
115 63.8 49.9 74.9

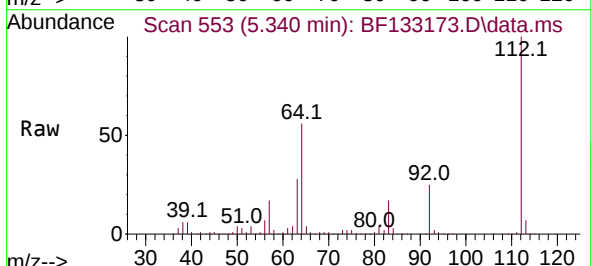
Manual Integrations

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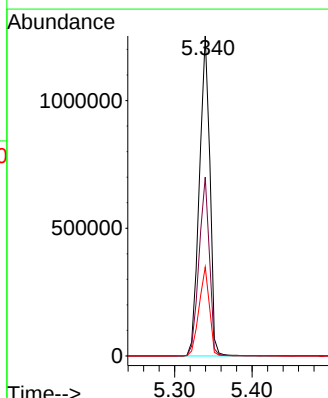
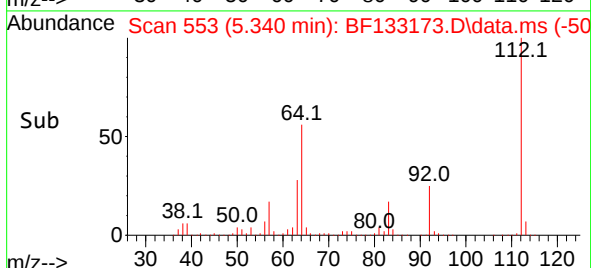
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023

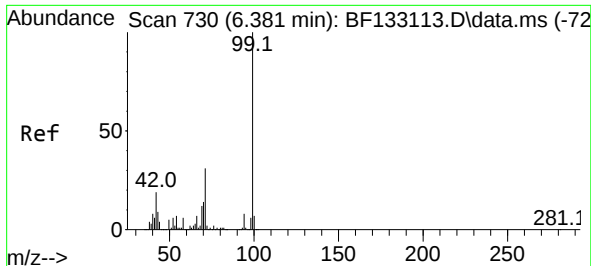


#5
2-Fluorophenol
Concen: 90.100 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21



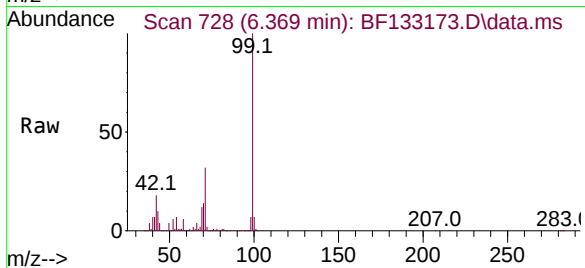
Tgt Ion:112 Resp: 1181241
Ion Ratio Lower Upper
112 100
64 55.9 46.8 70.2
63 27.8 23.8 35.8





#7
Phenol-d6
Concen: 83.262 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

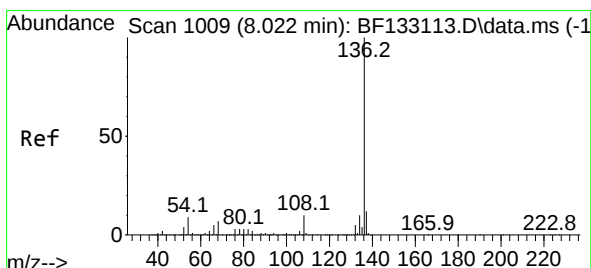
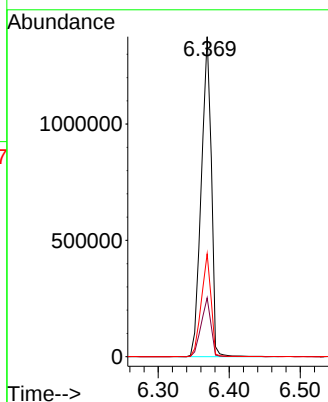
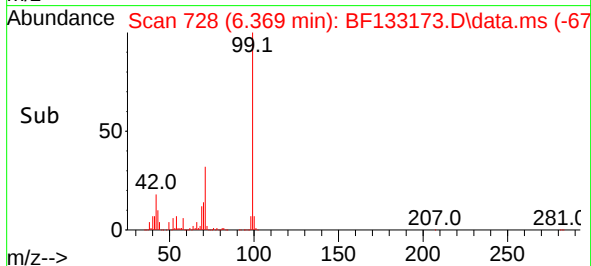
Instrument :
BNA_F
ClientSampleId :
TR-04-42823



Tgt Ion: 99 Resp: 135490
Ion Ratio Lower Upper
99 100
42 18.4 16.3 24.5
71 32.1 25.6 38.4

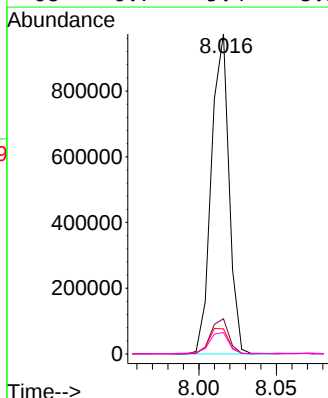
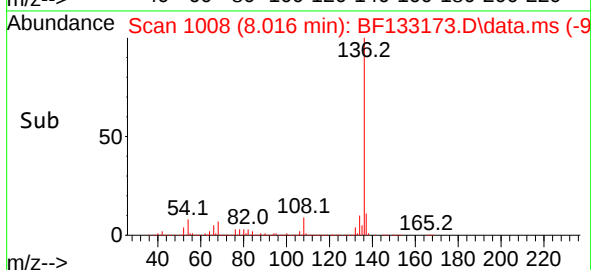
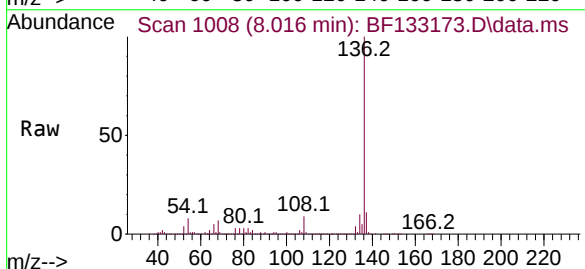
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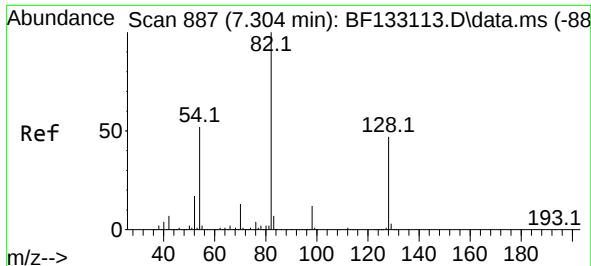
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Tgt Ion:136 Resp: 772691
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 7.9 7.0 10.4
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 58.341 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.012 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Instrument :

BNA_F

ClientSampleId :

TR-04-42823

Tgt Ion: 82 Resp: 835162

Ion Ratio Lower Upper

82 100

128 46.9 37.7 56.5

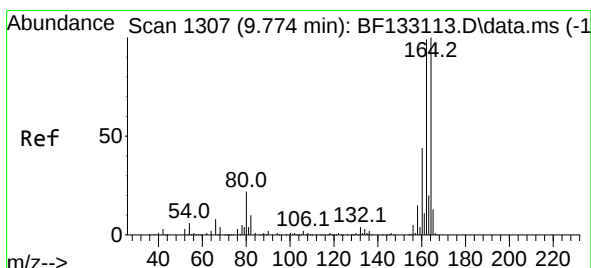
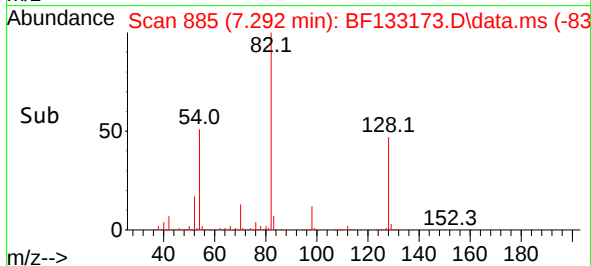
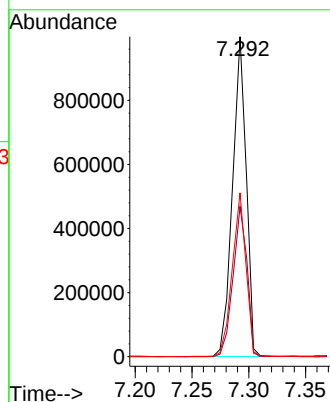
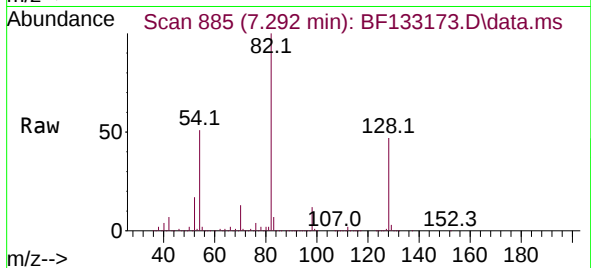
54 51.2 43.0 64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.000 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

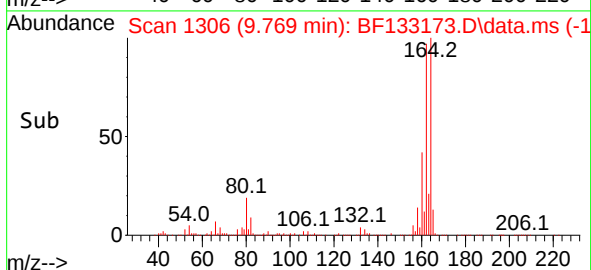
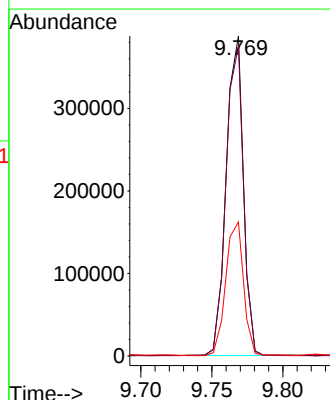
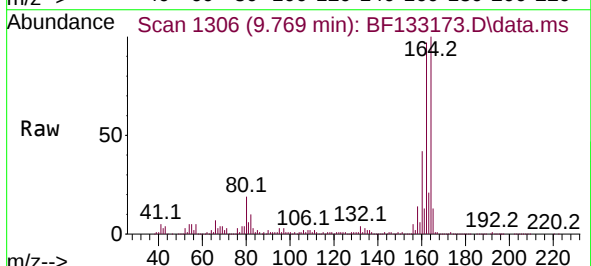
Tgt Ion:164 Resp: 324180

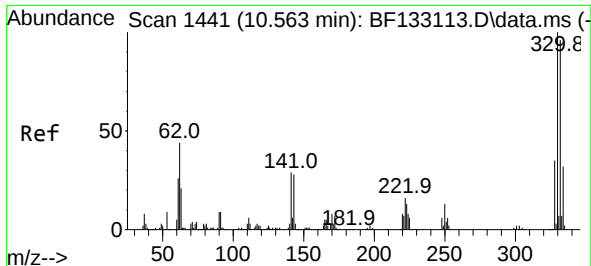
Ion Ratio Lower Upper

164 100

162 96.7 78.7 118.1

160 41.9 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 76.749 ng
RT: 10.557 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Instrument :

BNA_F

ClientSampleId :

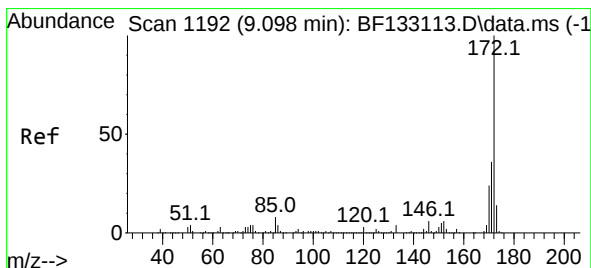
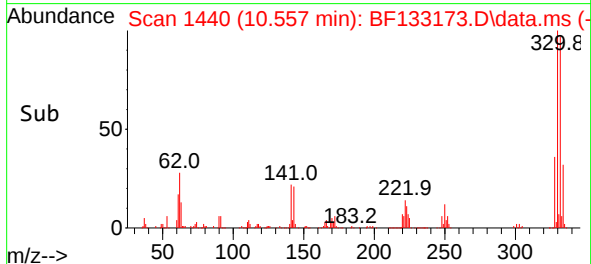
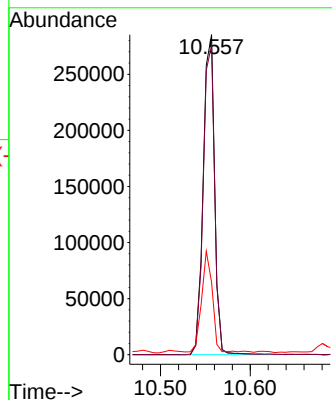
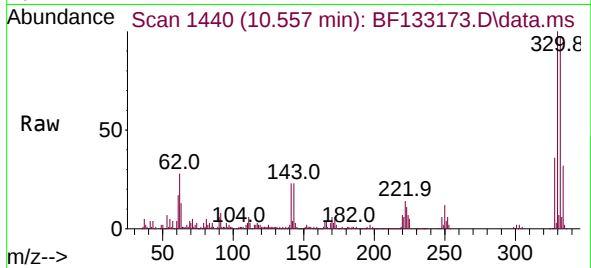
TR-04-42823

Tgt Ion:330 Resp: 250222
Ion Ratio Lower Upper
330 100
332 97.4 77.1 115.7
141 29.3 25.8 38.8

Manual Integrations

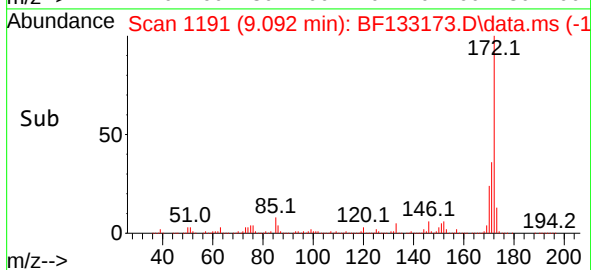
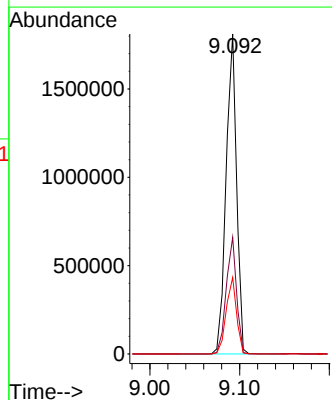
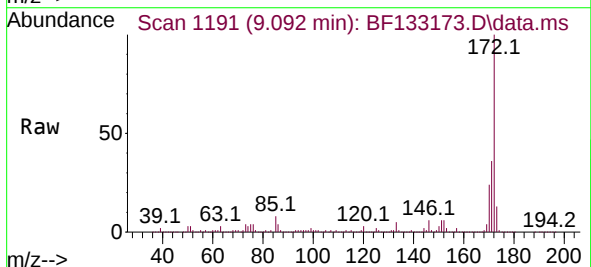
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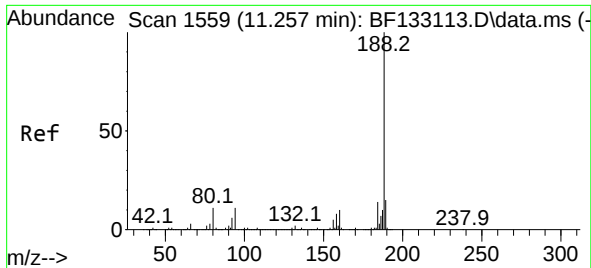
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#45
2-Fluorobiphenyl
Concen: 75.871 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

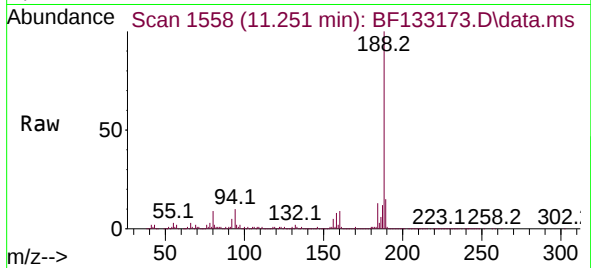
Tgt Ion:172 Resp: 1470175
Ion Ratio Lower Upper
172 100
171 36.5 28.8 43.2
170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

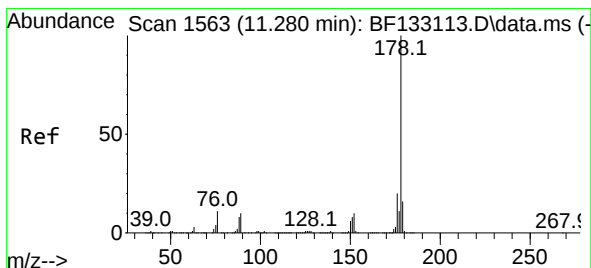
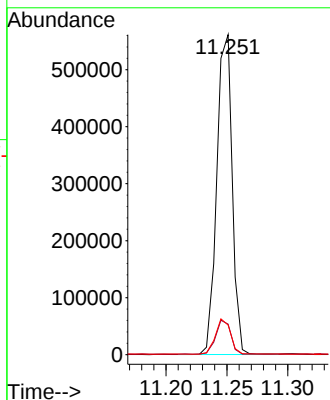
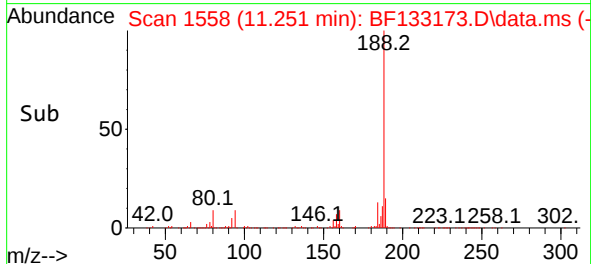
Instrument :
BNA_F
ClientSampleId :
TR-04-42823



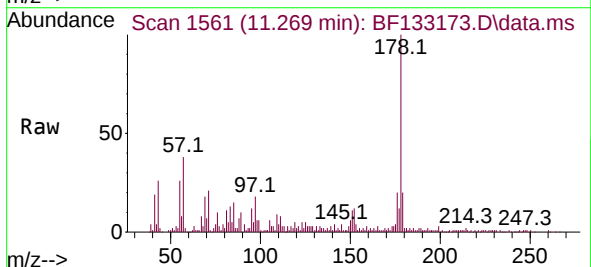
Tgt Ion:188 Resp: 495012
Ion Ratio Lower Upper
188 100
94 9.5 9.7 14.5
80 9.3 10.4 15.6

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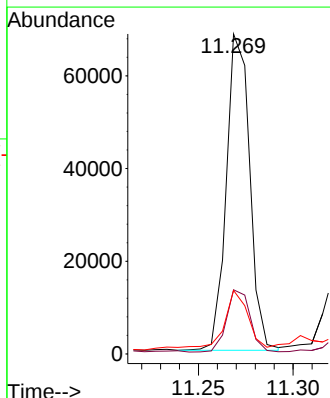
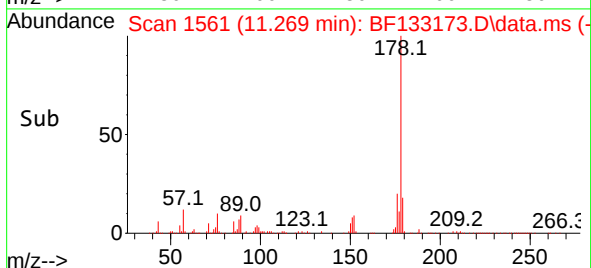
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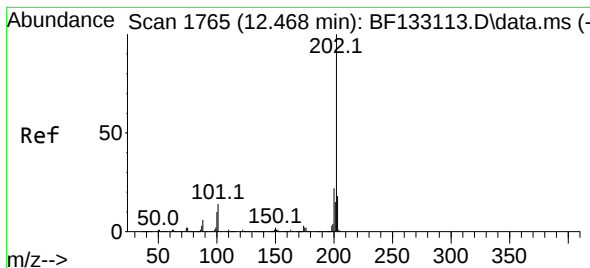


#71
Phenanthrene
Concen: 2.196 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21



Tgt Ion:178 Resp: 58433
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 19.8 12.5 18.7





#75

Fluoranthene

Concen: 3.823 ng

RT: 12.457 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Instrument :

BNA_F

ClientSampleId :

TR-04-42823

Tgt Ion:202 Resp: 10206

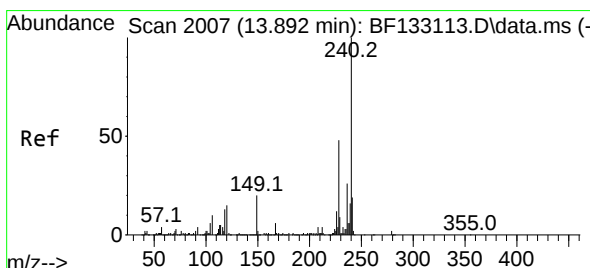
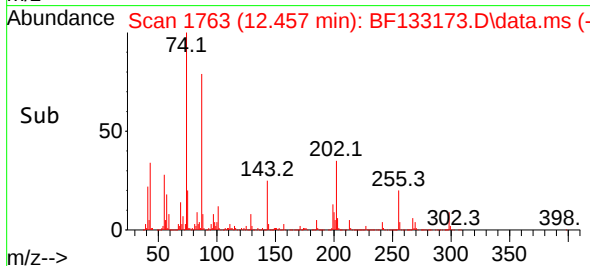
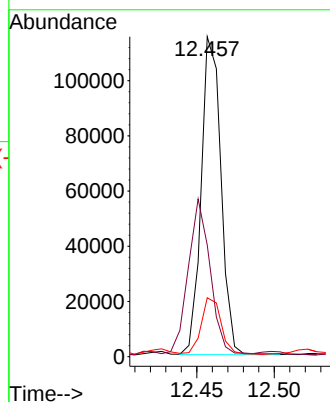
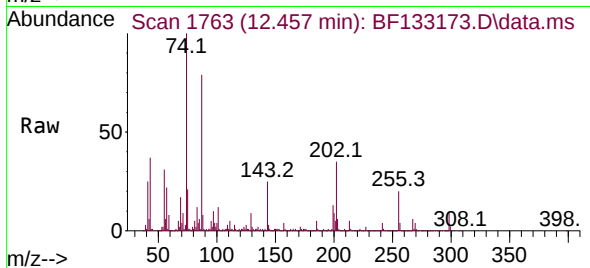
Ion	Ratio	Lower	Upper
202	100		
101	34.9	0.0	35.3
203	18.4	0.0	38.1

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Supervised By :Jagrut Upadhyay 05/02/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

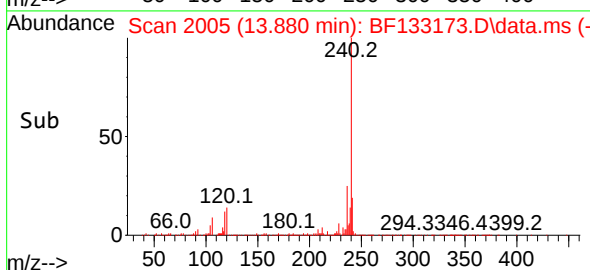
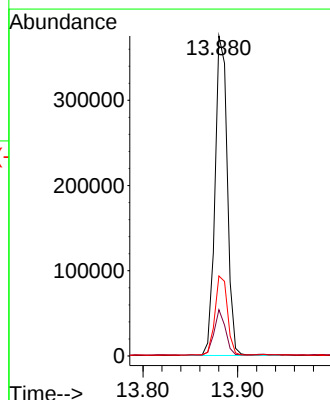
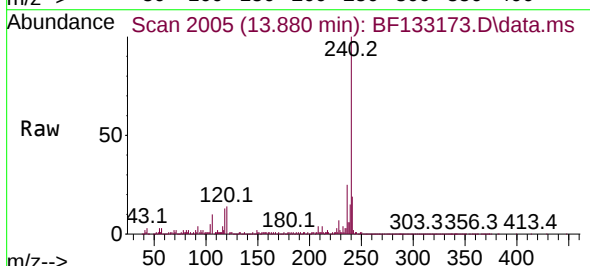
Delta R.T. -0.012 min

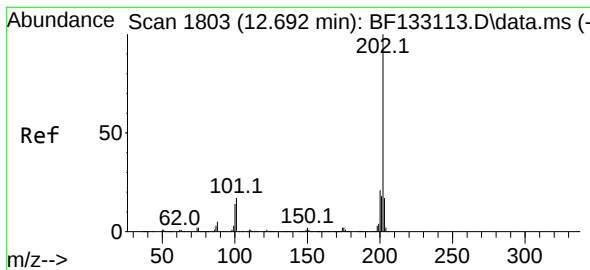
Lab File: BF133173.D

Acq: 02 May 2023 00:21

Tgt Ion:240 Resp: 337136

Ion	Ratio	Lower	Upper
240	100		
120	14.4	10.5	15.7
236	25.0	21.5	32.3





#78

Pyrene

Concen: 3.944 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Instrument :

BNA_F

ClientSampleId :

TR-04-42823

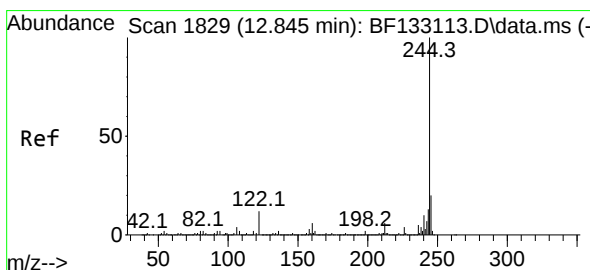
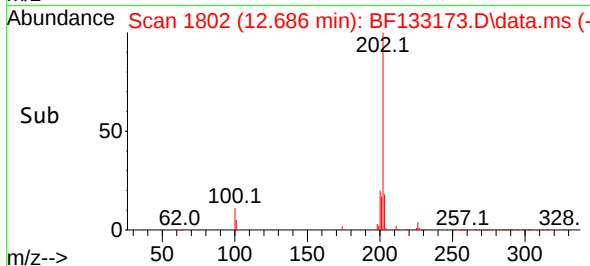
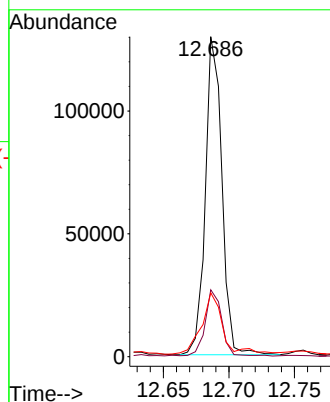
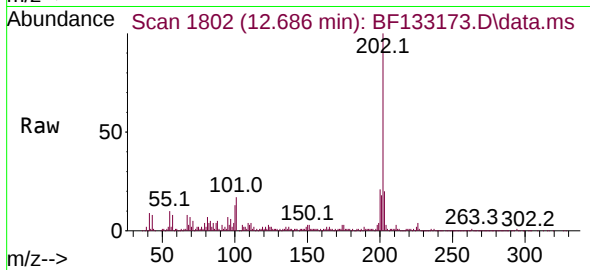
Tgt Ion:	202	Resp:	113992
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.1	25.7
203	20.0	14.1	21.1

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#79

Terphenyl-d14

Concen: 61.106 ng

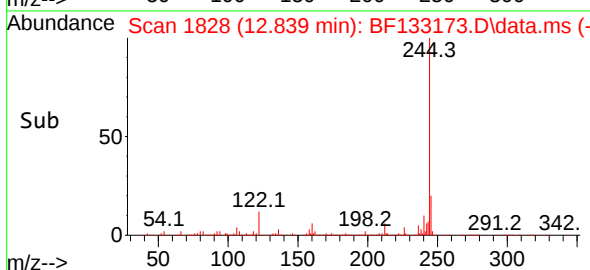
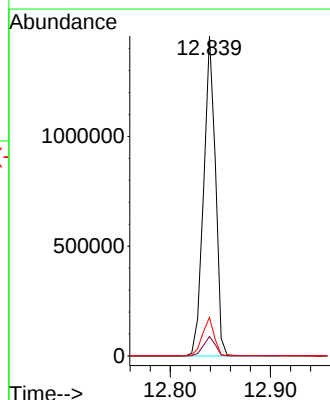
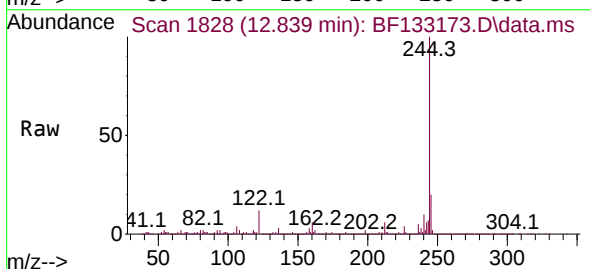
RT: 12.839 min Scan# 1828

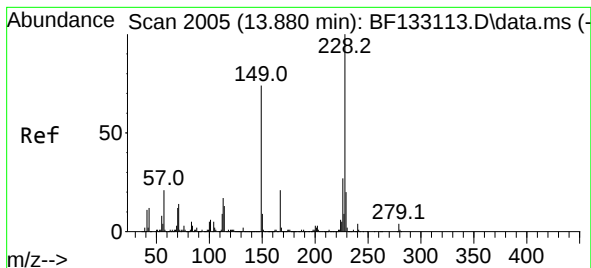
Delta R.T. 0.000 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Tgt Ion:	244	Resp:	1194495
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.1	7.7
122	12.0	8.6	13.0





#81

Benzo(a)anthracene

Concen: 2.317 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Instrument :

BNA_F

ClientSampleId :

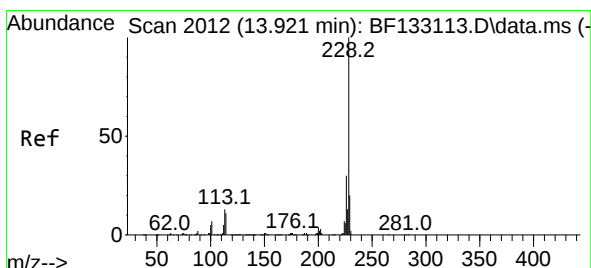
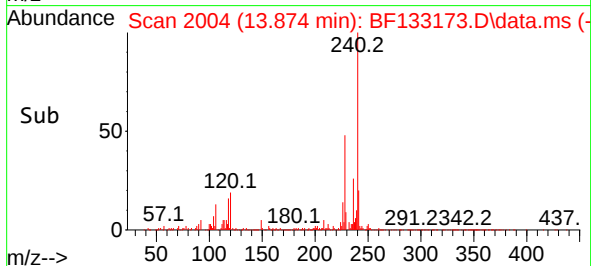
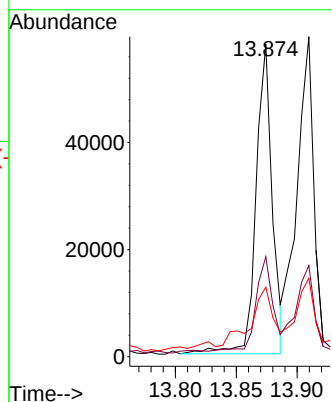
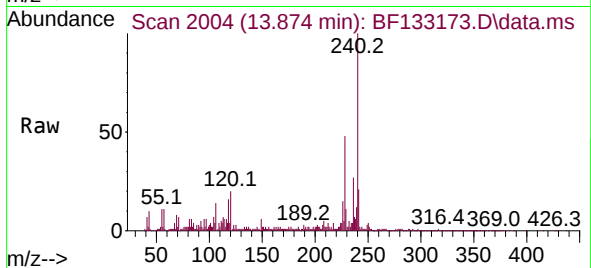
TR-04-42823

Tgt Ion:228 Resp: 53724
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.2 33.4
 229 22.3 16.0 24.0

Manual Integrations

APPROVED

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



#83

Chrysene

Concen: 2.597 ng m

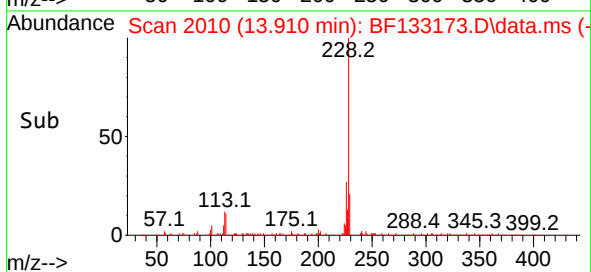
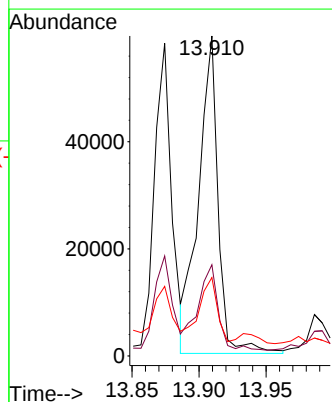
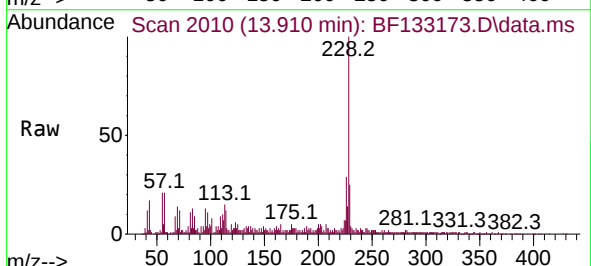
RT: 13.910 min Scan# 2010

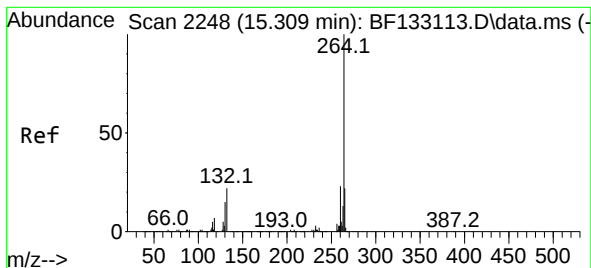
Delta R.T. -0.006 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

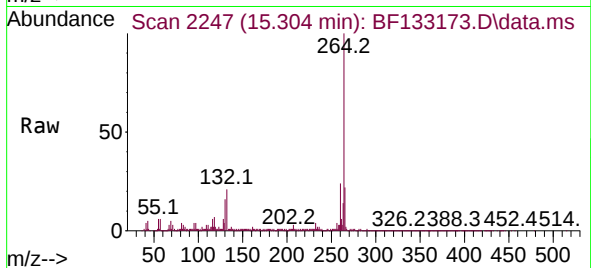
Tgt Ion:228 Resp: 60183
 Ion Ratio Lower Upper
 228 100
 226 28.5 24.7 37.1
 229 24.5 16.1 24.1#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

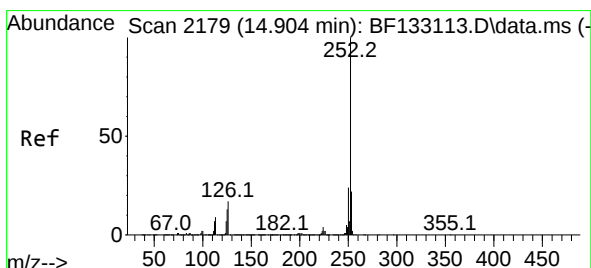
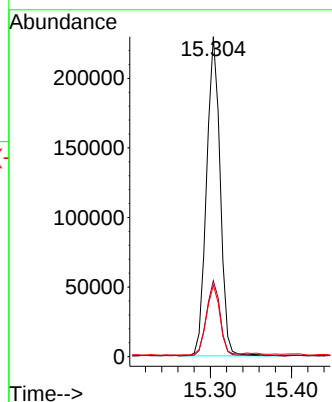
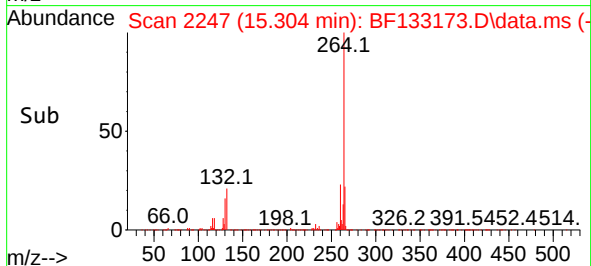
Instrument :
BNA_F
ClientSampleId :
TR-04-42823



Tgt Ion:264 Resp: 266440
Ion Ratio Lower Upper
264 100
260 23.8 18.8 28.2
265 22.3 17.0 25.4

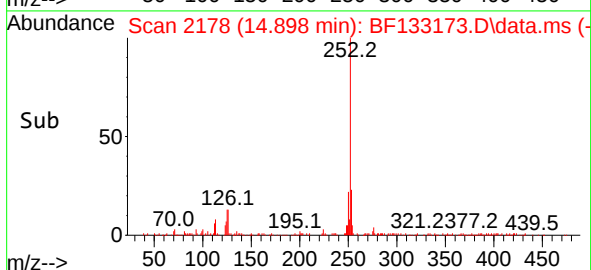
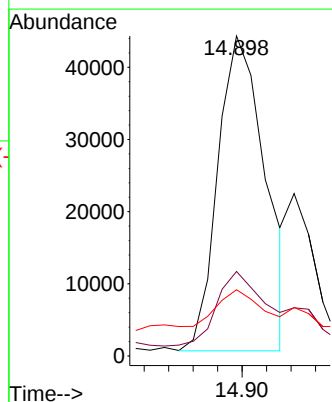
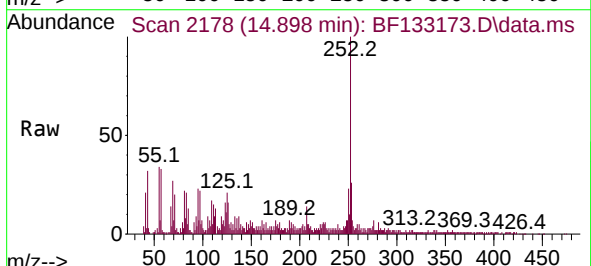
Manual Integrations
APPROVED

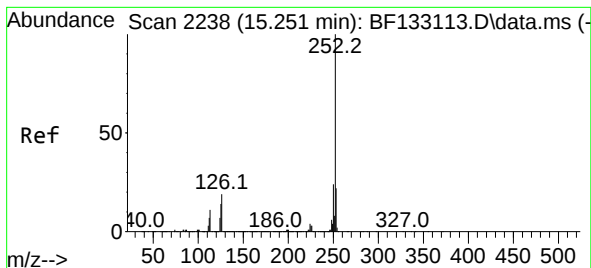
Reviewed By :Christian Giraldo 05/02/2023
Supervised By :Jagrut Upadhyay 05/02/2023



#88
Benzo(b)fluoranthene
Concen: 3.470 ng m
RT: 14.898 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BF133173.D
Acq: 02 May 2023 00:21

Tgt Ion:252 Resp: 58827
Ion Ratio Lower Upper
252 100
253 26.4 17.6 26.4
125 20.7 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 2.489 ng

RT: 15.239 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Instrument :

BNA_F

ClientSampleId :

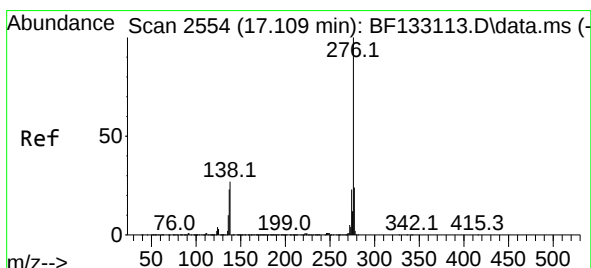
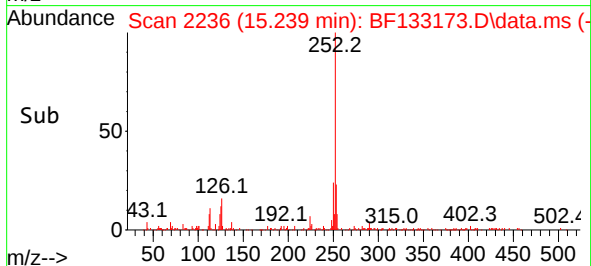
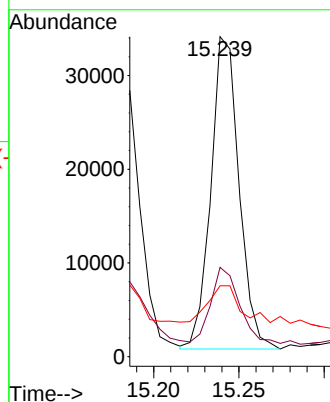
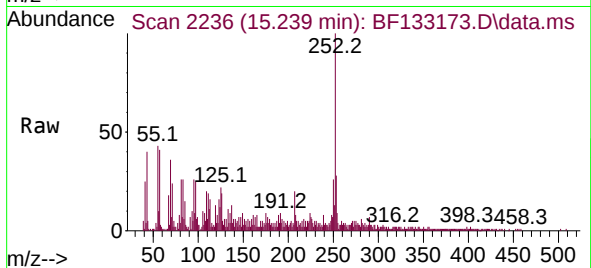
TR-04-42823

Tgt Ion:	252	Resp:	3840
Ion Ratio	Lower	Upper	
252	100		
253	27.9	17.7	26.5
125	22.2	10.5	15.7

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 2.030 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.018 min

Lab File: BF133173.D

Acq: 02 May 2023 00:21

Tgt Ion:	276	Resp:	25335
Ion Ratio	Lower	Upper	
276	100		
277	27.1	19.4	29.0
138	35.4	22.7	34.1

