

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
 Data File : BF133197.D
 Acq On : 02 May 2023 19:24
 Operator : CG\JU
 Sample : 02562-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-04282023DL

Quant Time: May 03 05:55:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 04:52:44 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	235427	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	900526	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	426064	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	624503	20.000	ng	0.00
76) Chrysene-d12	13.886	240	410335	20.000	ng	0.00
86) Perylene-d12	15.310	264	347202	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	592288	38.004	ng	0.00
7) Phenol-d6	6.363	99	707040	36.551	ng	-0.01
23) Nitrobenzene-d5	7.287	82	408676	24.496	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	122494	28.587	ng	-0.01
45) 2-Fluorobiphenyl	9.086	172	742270	29.146	ng	-0.01
79) Terphenyl-d14	12.833	244	555950	23.367	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.798	154	101740	3.845	ng	98
58) Fluorene	10.310	166	134688	5.093	ng	99
71) Phenanthrene	11.275	178	1154957	34.409	ng	100
72) Anthracene	11.322	178	280043	8.153	ng	99
73) Carbazole	11.475	167	129700	4.240	ng	99
75) Fluoranthene	12.463	202	1469838	43.633	ng	99
78) Pyrene	12.692	202	1296184	36.849	ng	100
81) Benzo(a)anthracene	13.874	228	592152	20.985	ng	98
83) Chrysene	13.910	228	518932	18.395	ng	97
87) Indeno(1,2,3-cd)pyrene	16.686	276	213238	10.797	ng	92
88) Benzo(b)fluoranthene	14.904	252	568551m	25.740	ng	
89) Benzo(k)fluoranthene	14.927	252	170355m	7.780	ng	
90) Benzo(a)pyrene	15.251	252	383701	19.085	ng	98
91) Dibenzo(a,h)anthracene	16.698	278	49060	2.978	ng	# 86
92) Benzo(g,h,i)perylene	17.104	276	194595	11.966	ng	98

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

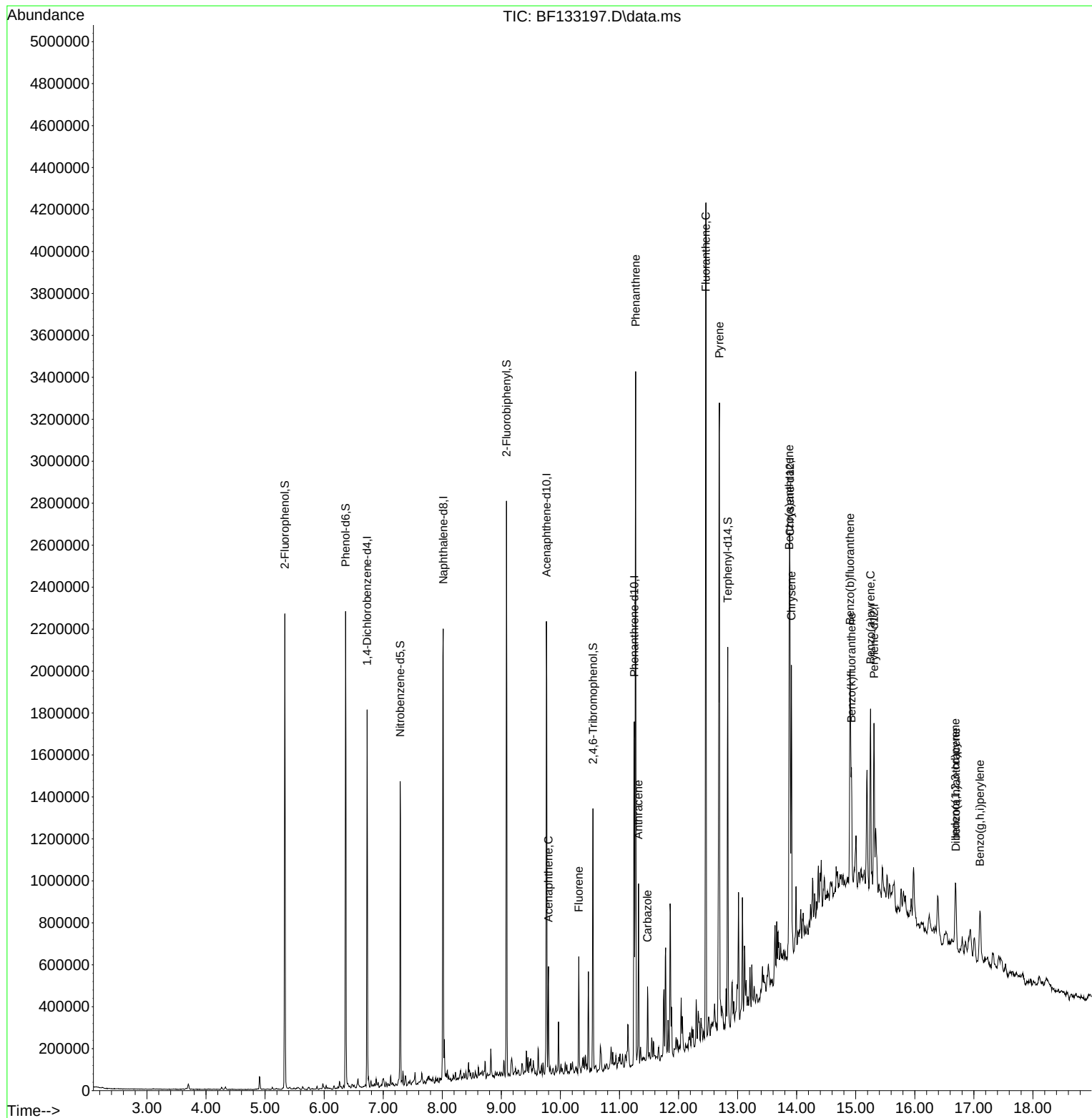
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
Data File : BF133197.D
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ALS Vial : 20 Sample Multiplier: 1

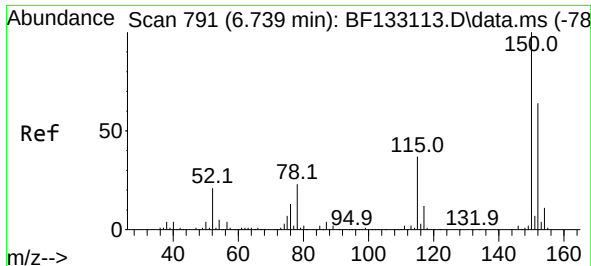
Instrument :
BNA_F
ClientSampleId :
OR-02-04282023DL

Quant Time: May 03 05:55:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 04:52:44 2023
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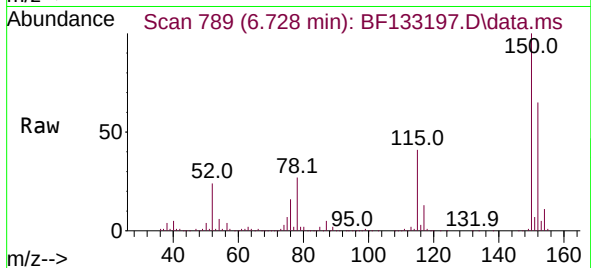
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

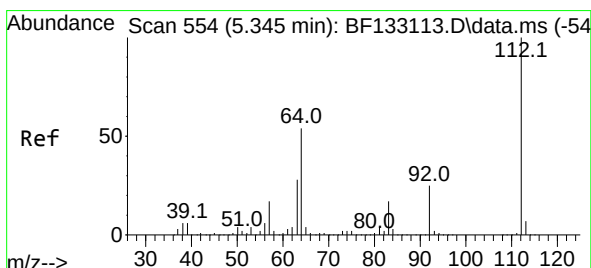
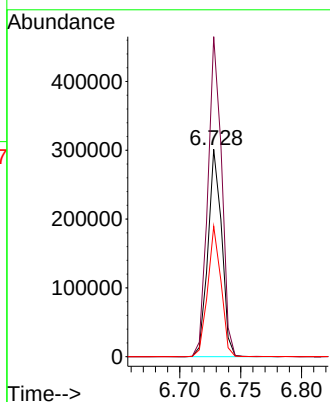
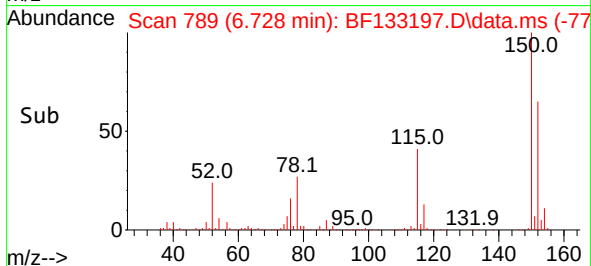
Instrument :
BNA_F
ClientSampleId :
OR-02-04282023DL



Tgt Ion:152 Resp: 23542
Ion Ratio Lower Upper
152 100
150 154.4 124.8 187.2
115 62.9 49.9 74.9

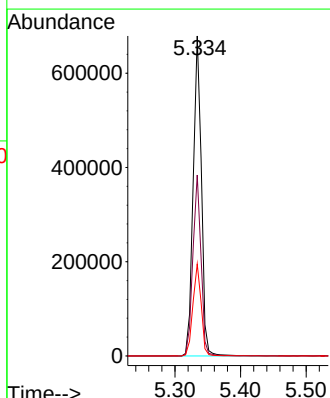
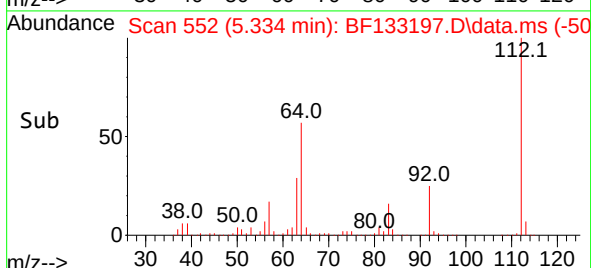
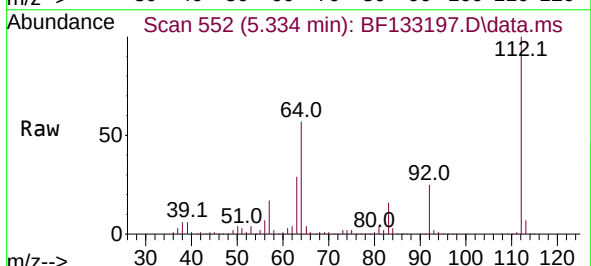
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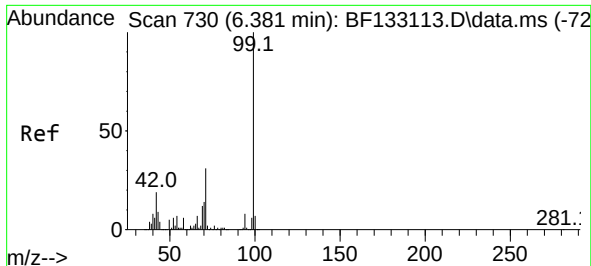
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#5
2-Fluorophenol
Concen: 38.004 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

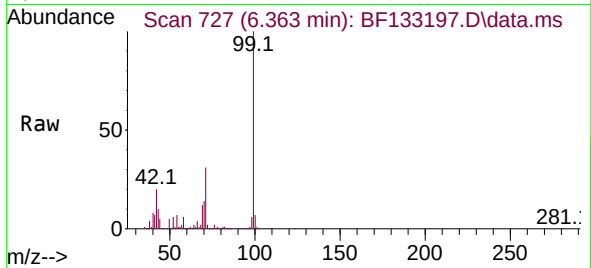
Tgt Ion:112 Resp: 592288
Ion Ratio Lower Upper
112 100
64 56.6 46.8 70.2
63 28.7 23.8 35.8





#7
Phenol-d6
Concen: 36.551 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

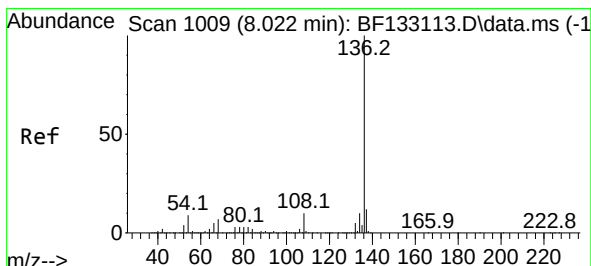
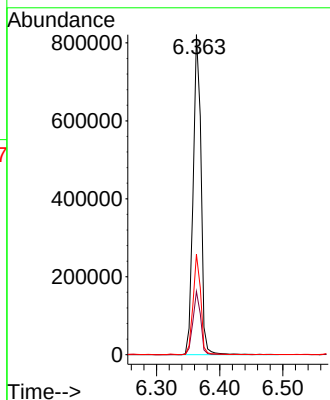
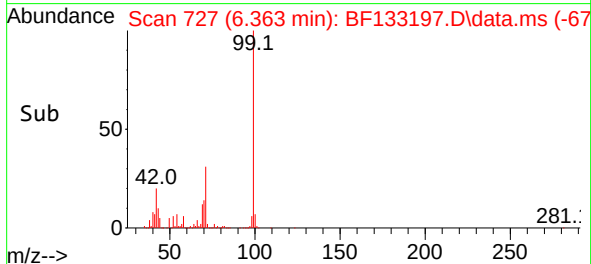
Instrument :
BNA_F
ClientSampleId :
OR-02-04282023DL



Tgt Ion: 99 Resp: 707040
Ion Ratio Lower Upper
99 100
42 19.8 16.3 24.5
71 31.4 25.6 38.4

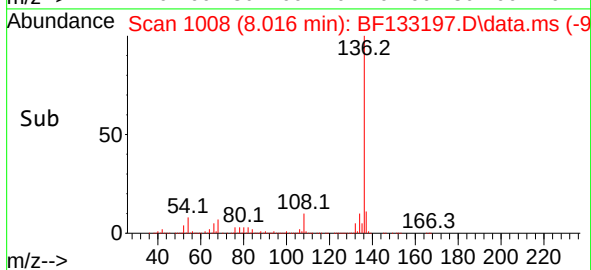
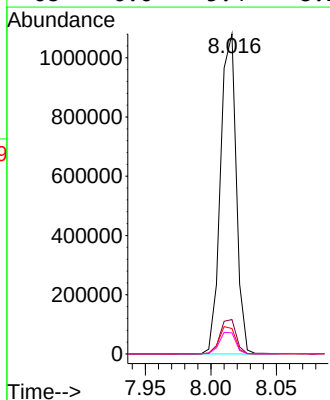
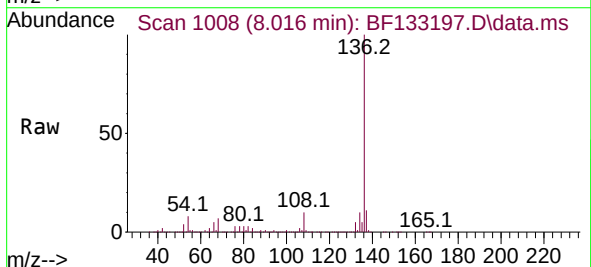
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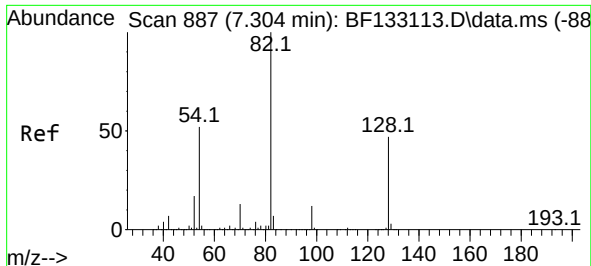
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

Tgt Ion:136 Resp: 900526
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.9 7.0 10.4
68 6.6 5.4 8.2





#23

Nitrobenzene-d5

Concen: 24.496 ng

RT: 7.287 min Scan# 887

Delta R.T. -0.012 min

Lab File: BF133197.D

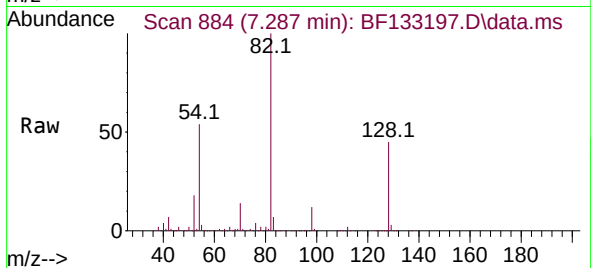
Acq: 02 May 2023 19:24

Instrument :

BNA_F

ClientSampleId :

OR-02-04282023DL

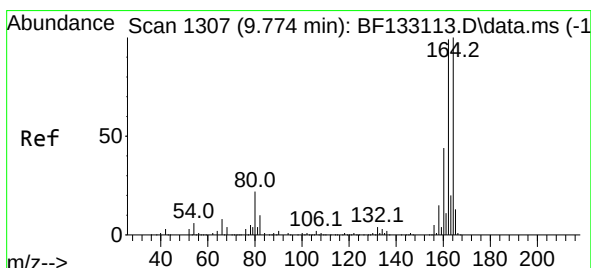
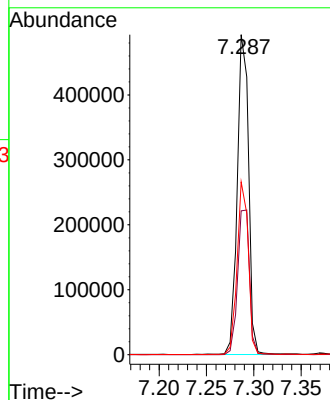
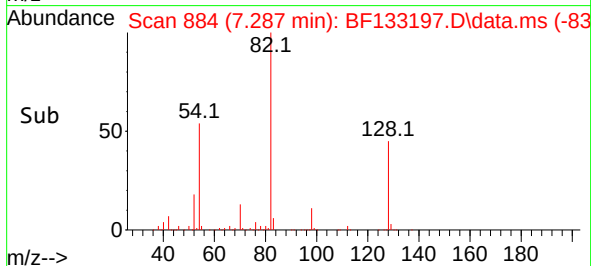


Tgt Ion:	82	Resp:	408670
Ion Ratio	Lower	Upper	
82	100		
128	45.0	37.7	56.5
54	54.0	43.0	64.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

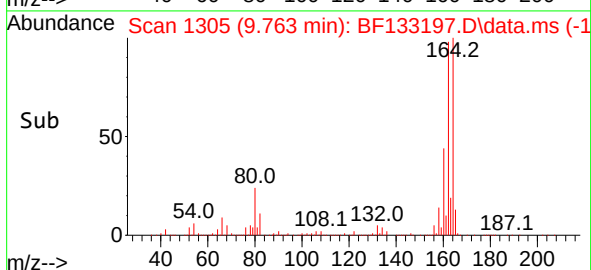
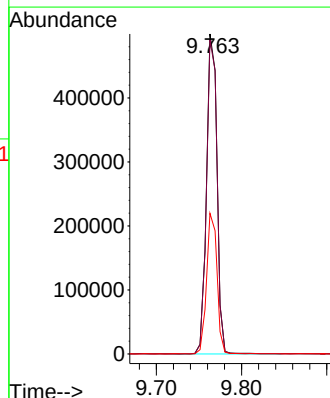
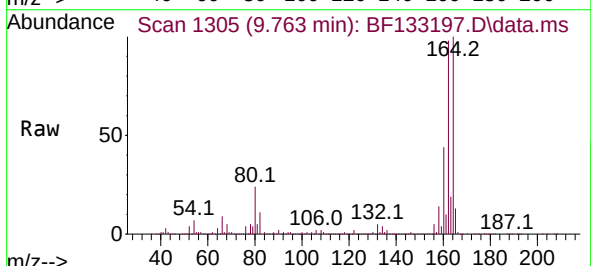
RT: 9.763 min Scan# 1305

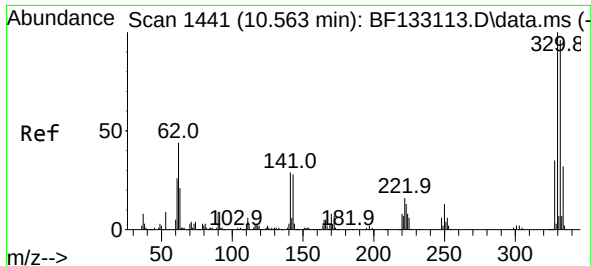
Delta R.T. -0.006 min

Lab File: BF133197.D

Acq: 02 May 2023 19:24

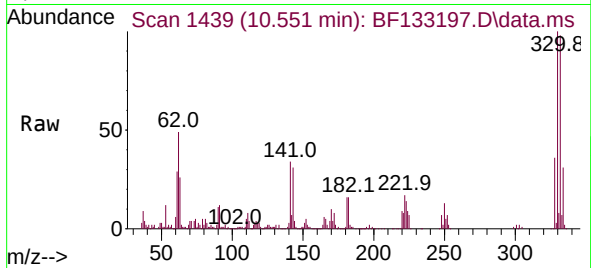
Tgt Ion:	164	Resp:	426064
Ion Ratio	Lower	Upper	
164	100		
162	98.1	78.7	118.1
160	44.0	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 28.587 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

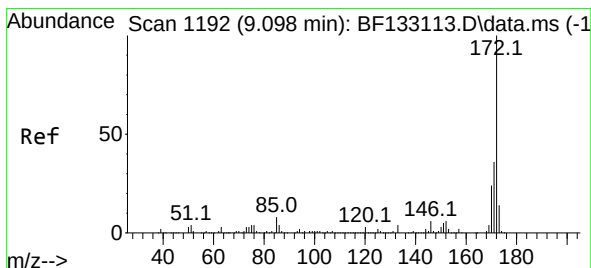
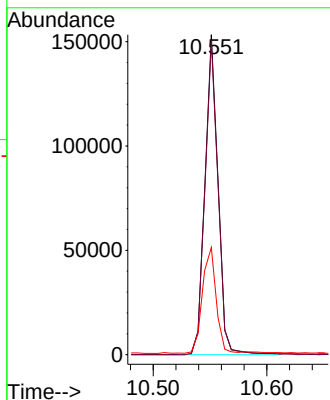
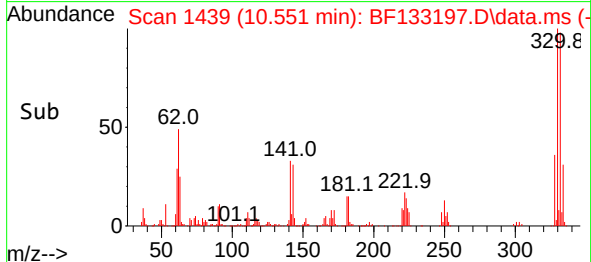
Instrument :
BNA_F
ClientSampleId :
OR-02-04282023DL



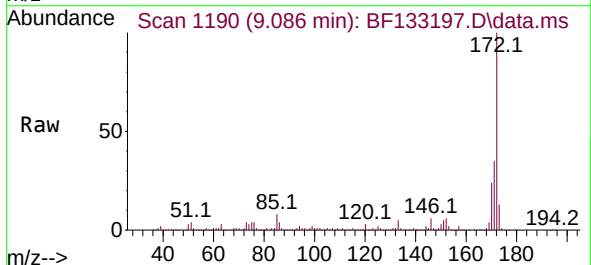
Tgt Ion: 330 Resp: 122494
Ion Ratio Lower Upper
330 100
332 98.3 77.1 115.7
141 34.7 25.8 38.8

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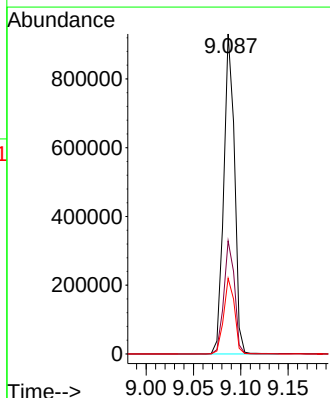
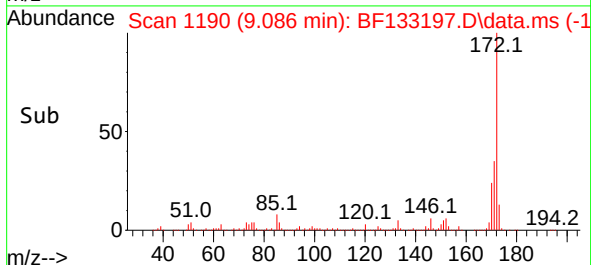
Reviewed By : Christian Giraldo 05/03/2023
Supervised By : Jagrut Upadhyay 05/03/2023

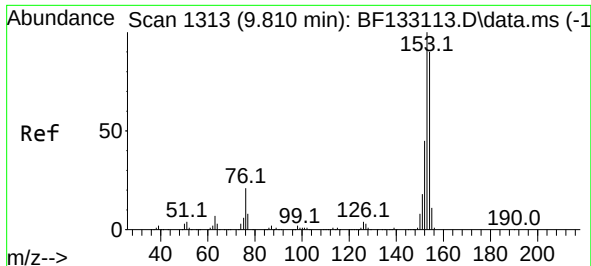


#45
2-Fluorobiphenyl
Concen: 29.146 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24



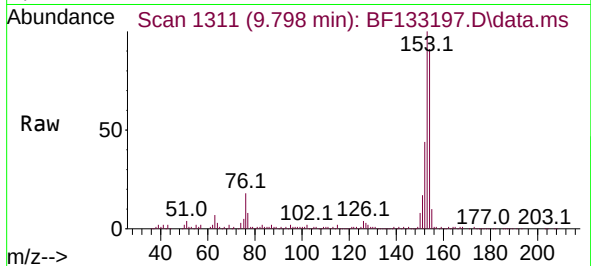
Tgt Ion: 172 Resp: 742270
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.7 19.4 29.2





#52
Acenaphthene
Concen: 3.845 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

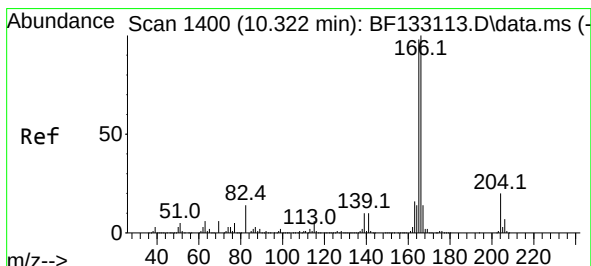
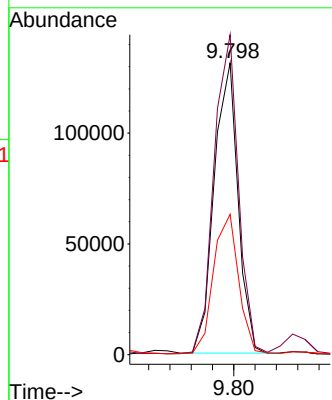
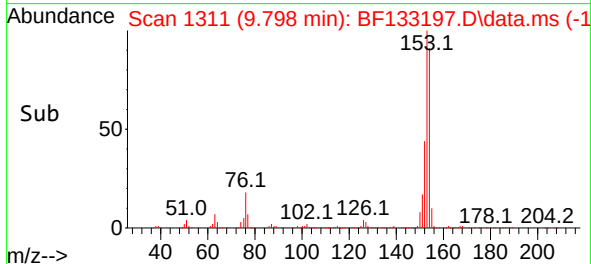
Instrument :
BNA_F
ClientSampleId :
OR-02-04282023DL



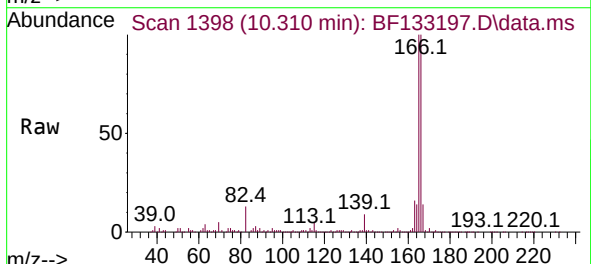
Tgt Ion:154 Resp: 101740
Ion Ratio Lower Upper
154 100
153 109.7 89.0 133.6
152 48.1 40.4 60.6

Manual Integrations
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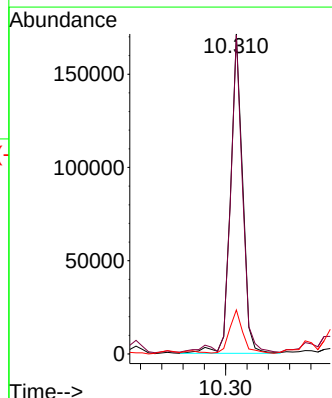
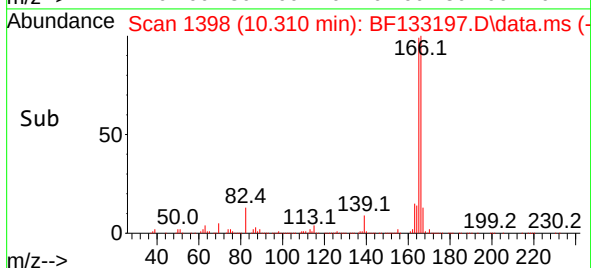
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

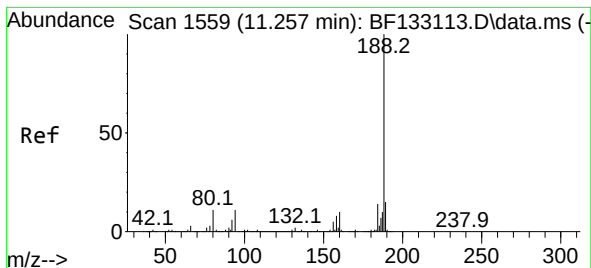


#58
Fluorene
Concen: 5.093 ng
RT: 10.310 min Scan# 1398
Delta R.T. -0.012 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24



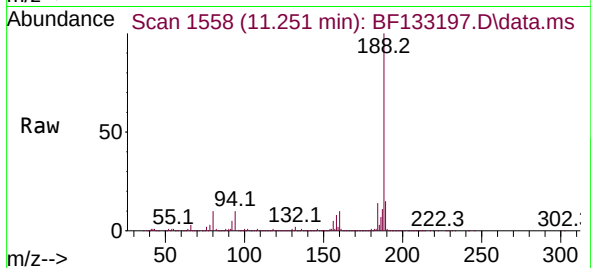
Tgt Ion:166 Resp: 134688
Ion Ratio Lower Upper
166 100
165 99.6 78.6 117.8
167 13.7 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

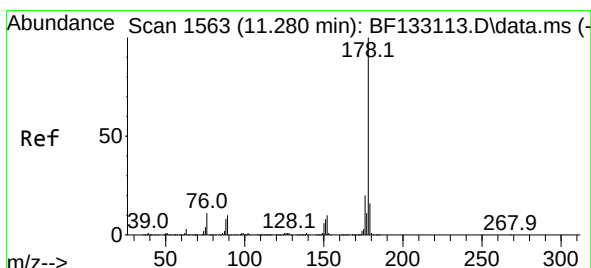
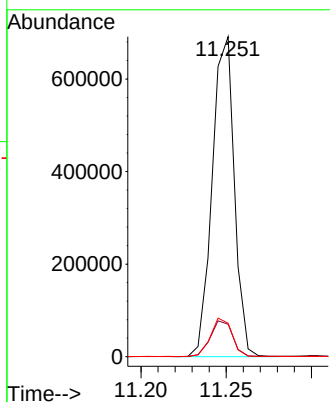
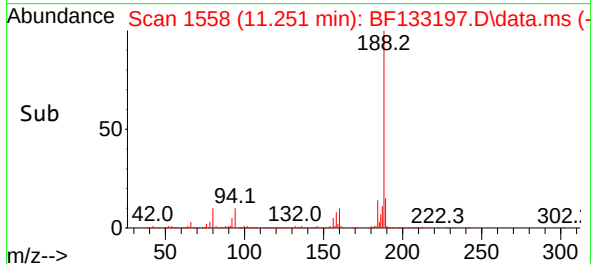
Instrument :
BNA_F
ClientSampleId :
OR-02-04282023DL



Tgt Ion:188 Resp: 624500
Ion Ratio Lower Upper
188 100
94 10.2 9.7 14.5
80 10.5 10.4 15.6

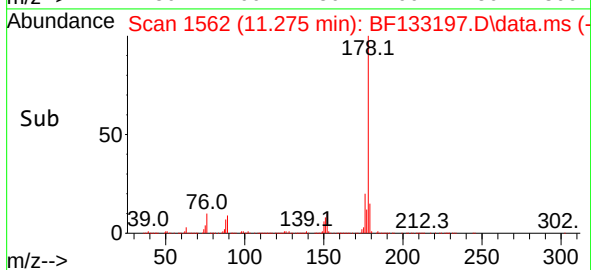
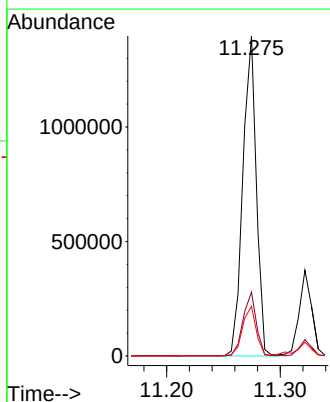
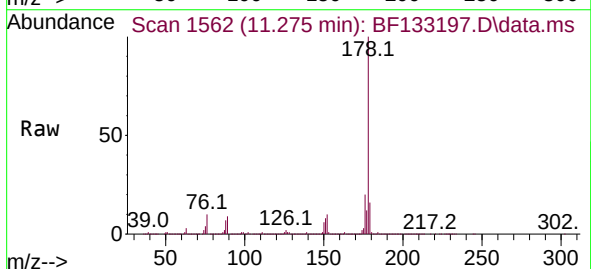
Manual Integrations
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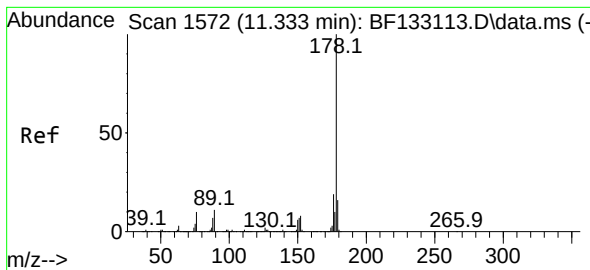
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#71
Phenanthrene
Concen: 34.409 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

Tgt Ion:178 Resp: 1154957
Ion Ratio Lower Upper
178 100
176 20.0 15.9 23.9
179 15.5 12.5 18.7





#72

Anthracene

Concen: 8.153 ng

RT: 11.322 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF133197.D

Acq: 02 May 2023 19:24

Instrument :

BNA_F

ClientSampleId :

OR-02-04282023DL

Tgt Ion:178 Resp: 28004

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

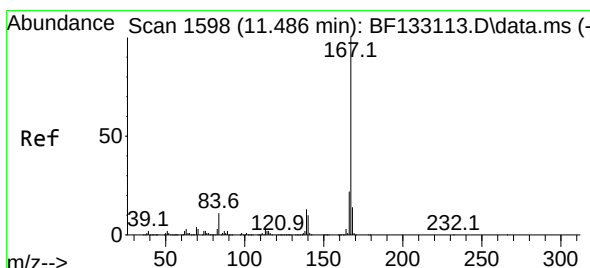
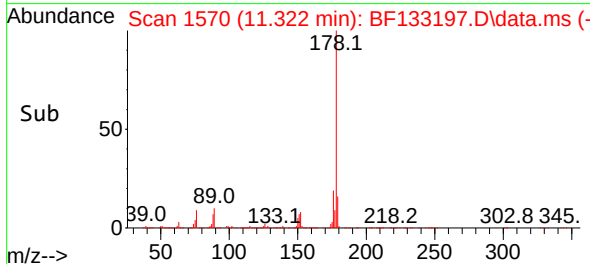
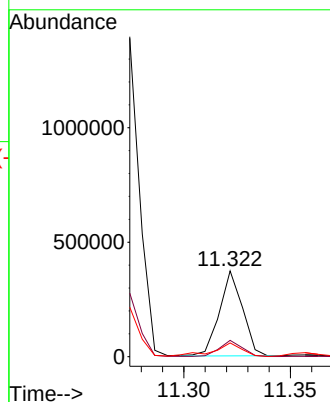
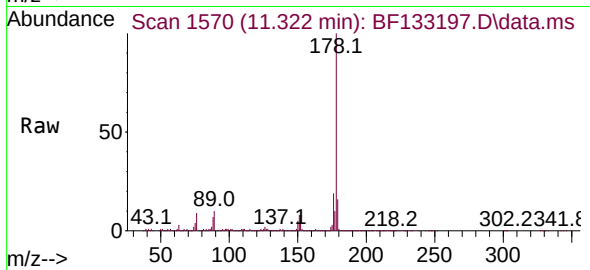
179 16.0 12.4 18.6

Manual Integrations

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Reviewed By :Christian Giraldo 05/03/2023

Supervised By :Jagrut Upadhyay 05/03/2023



#73

Carbazole

Concen: 4.240 ng

RT: 11.475 min Scan# 1596

Delta R.T. -0.012 min

Lab File: BF133197.D

Acq: 02 May 2023 19:24

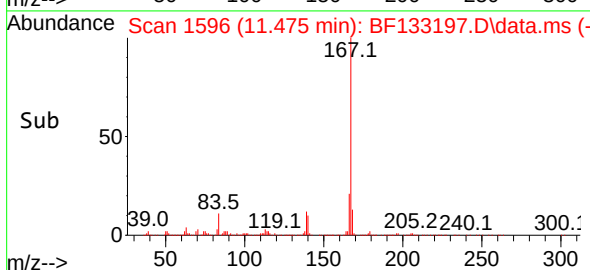
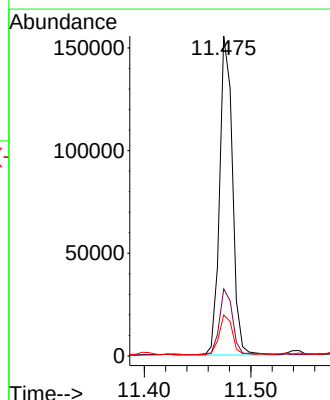
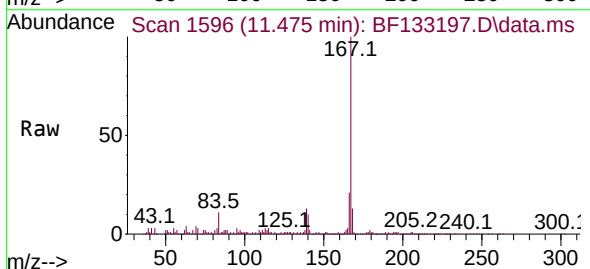
Tgt Ion:167 Resp: 129700

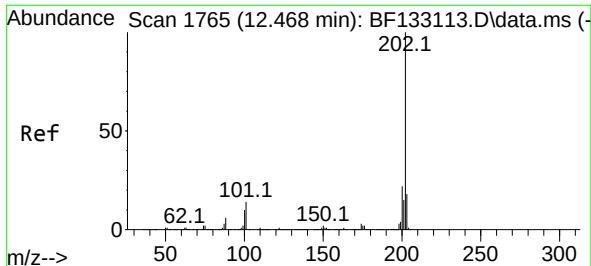
Ion Ratio Lower Upper

167 100

166 21.0 17.4 26.0

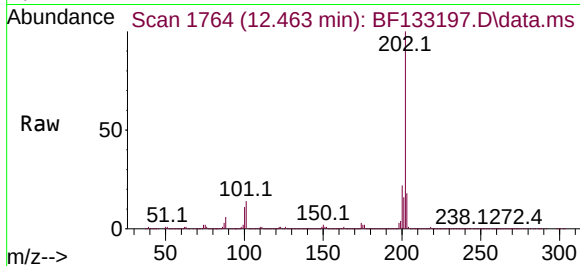
139 12.8 10.6 16.0





#75
Fluoranthene
Concen: 43.633 ng
RT: 12.463 min Scan# 1765
Delta R.T. 0.000 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

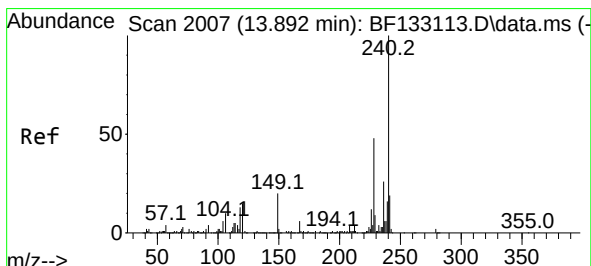
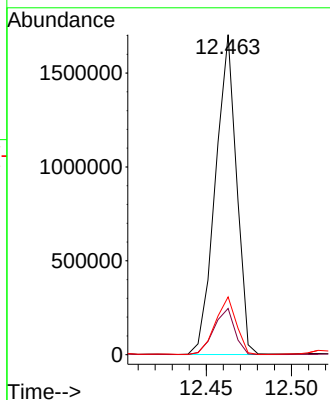
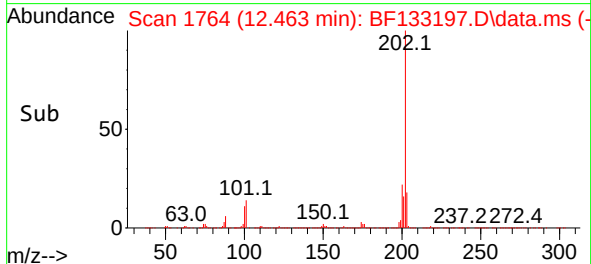
Instrument :
BNA_F
ClientSampleId :
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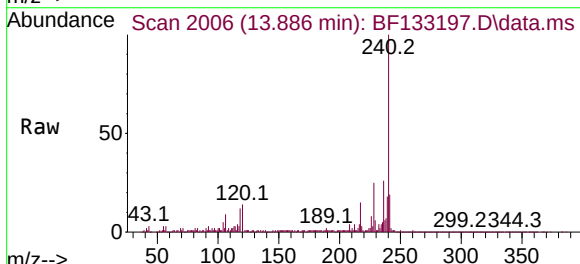
Tgt Ion:202 Resp: 1469838
Ion Ratio Lower Upper
202 100
101 14.5 0.0 35.3
203 18.0 0.0 38.1

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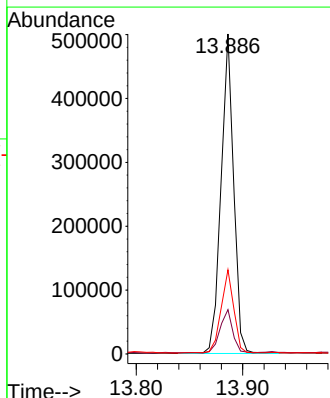
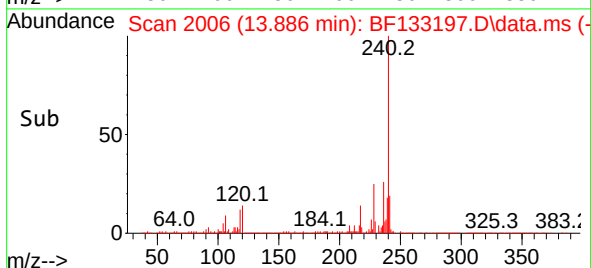
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

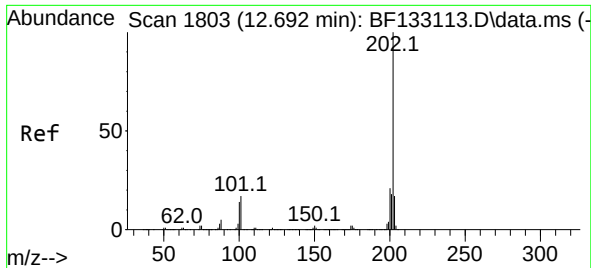


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24



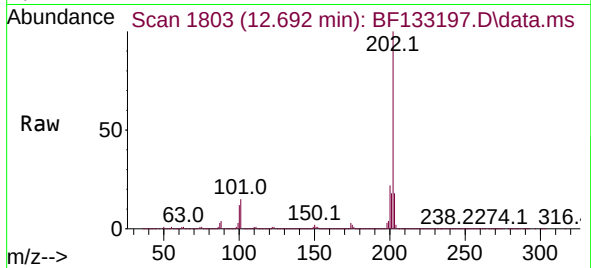
Tgt Ion:240 Resp: 410335
Ion Ratio Lower Upper
240 100
120 13.9 10.5 15.7
236 26.3 21.5 32.3





#78
Pyrene
Concen: 36.849 ng
RT: 12.692 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

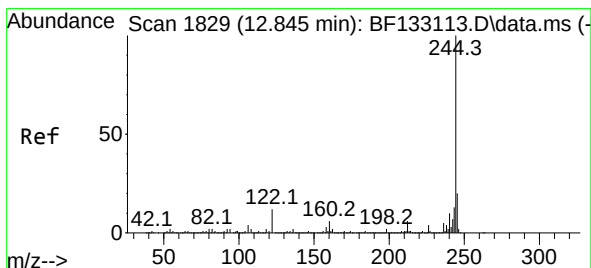
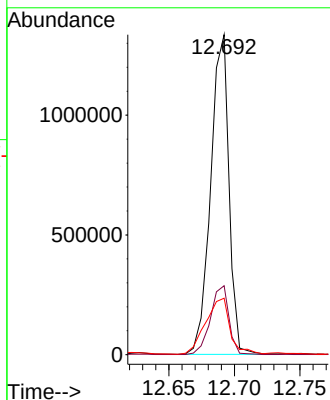
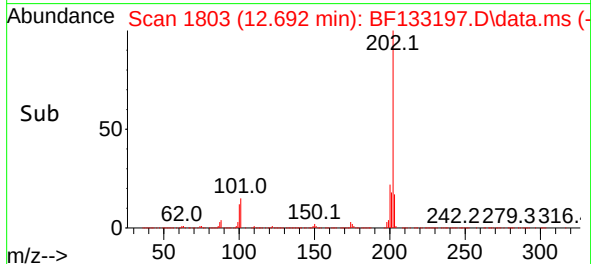
Instrument :
BNA_F
ClientSampleId :
OR-02-04282023DL



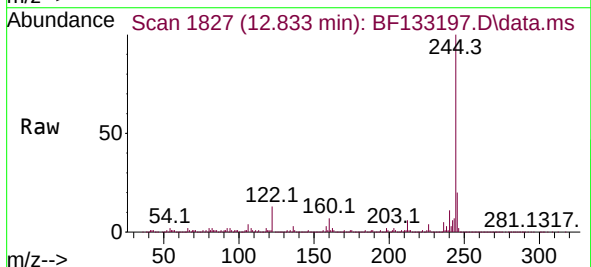
Tgt Ion:202 Resp: 1296184
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 17.7 14.1 21.1

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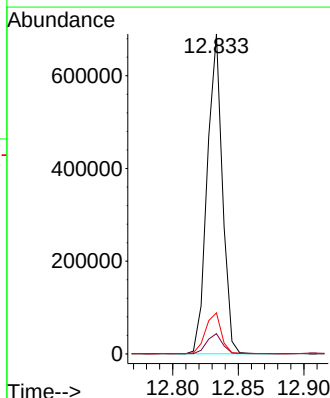
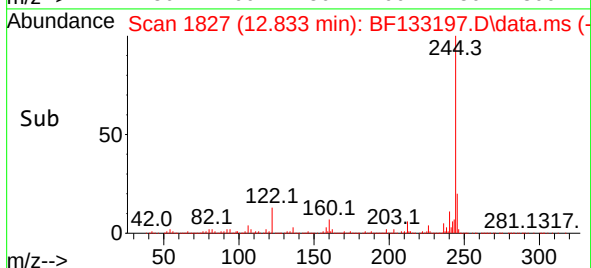
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

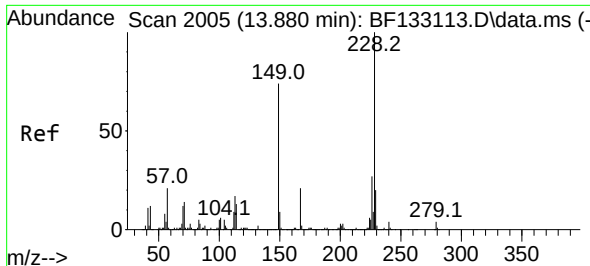


#79
Terphenyl-d14
Concen: 23.367 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24



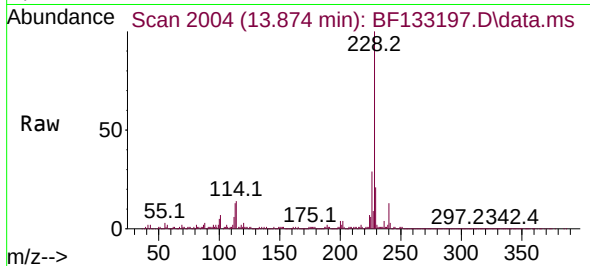
Tgt Ion:244 Resp: 555950
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 12.9 8.6 13.0





#81
Benzo(a)anthracene
Concen: 20.985 ng
RT: 13.874 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

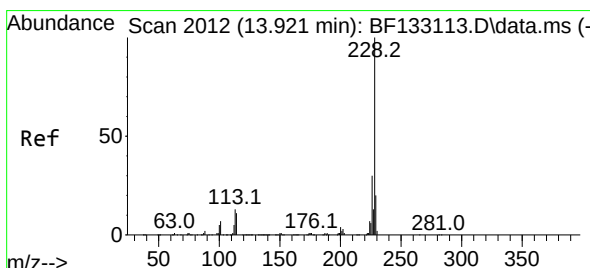
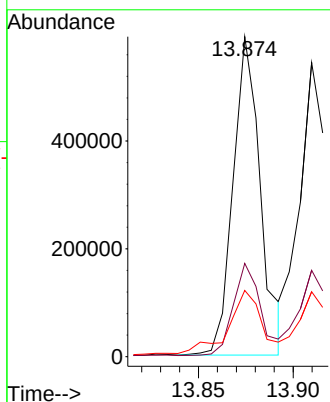
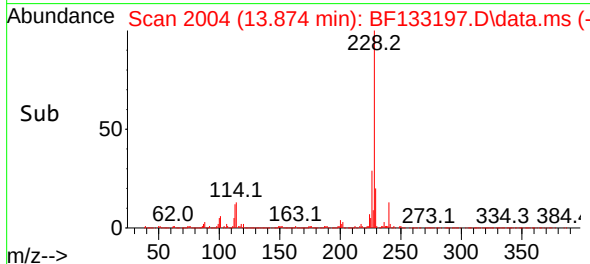
Instrument :
BNA_F
ClientSampleId :
OR-02-04282023DL



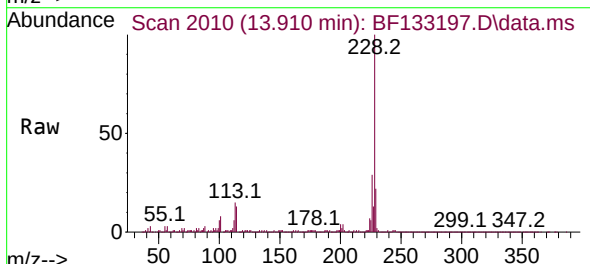
Tgt Ion:228 Resp: 592152
Ion Ratio Lower Upper
228 100
226 29.2 22.2 33.4
229 20.7 16.0 24.0

Manual Integrations
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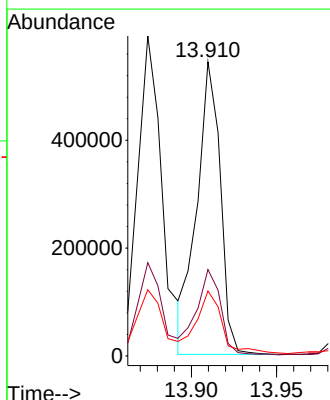
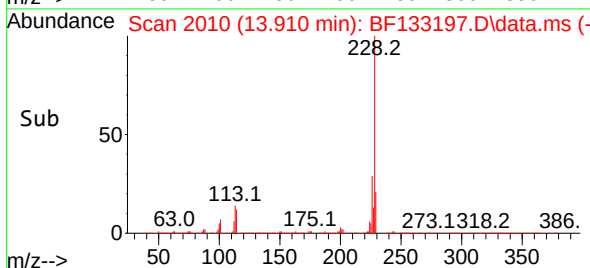
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023

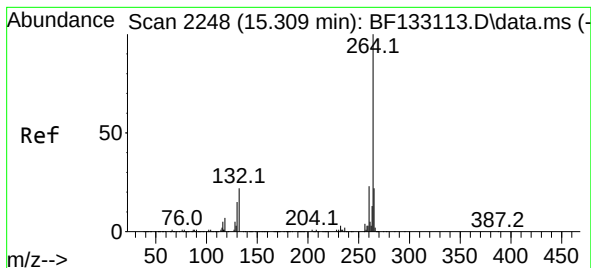


#83
Chrysene
Concen: 18.395 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24



Tgt Ion:228 Resp: 518932
Ion Ratio Lower Upper
228 100
226 29.4 24.7 37.1
229 22.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.310 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133197.D

Acq: 02 May 2023 19:24

Instrument :

BNA_F

ClientSampleId :

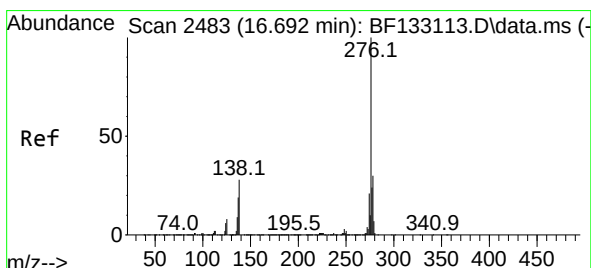
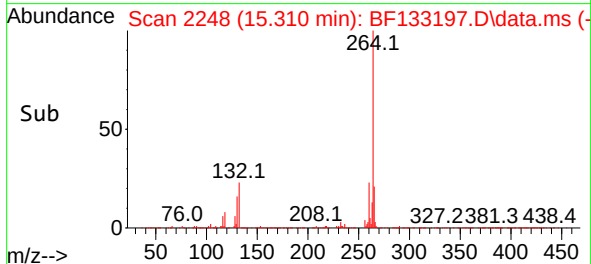
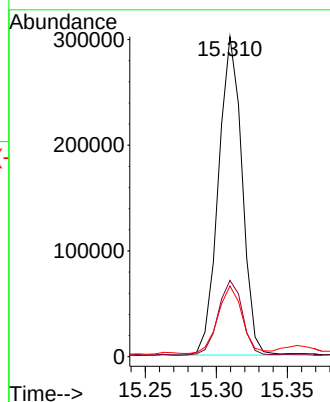
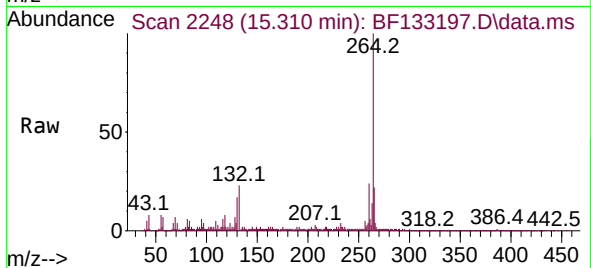
OR-02-04282023DL

Tgt Ion:264 Resp: 34720
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 22.1 17.0 25.4

Manual Integrations

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Reviewed By :Christian Giraldo 05/03/2023
 Supervised By :Jagrut Upadhyay 05/03/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.797 ng

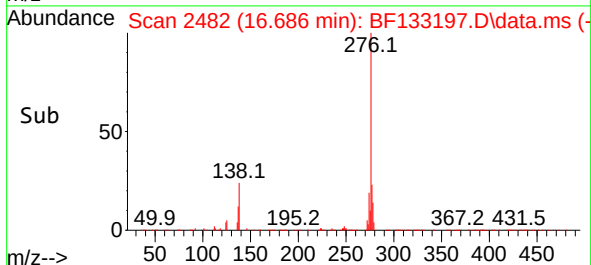
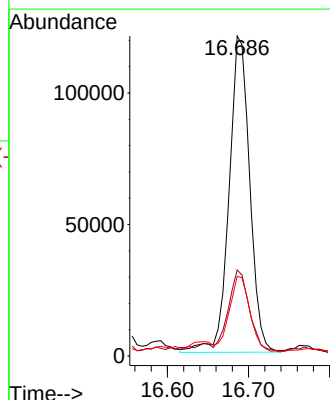
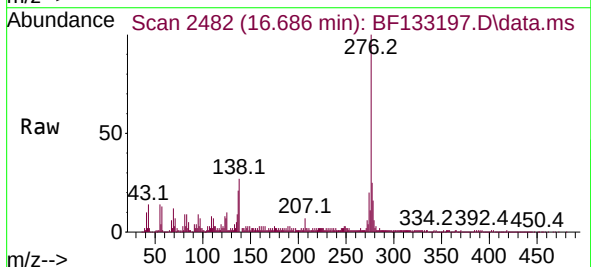
RT: 16.686 min Scan# 2482

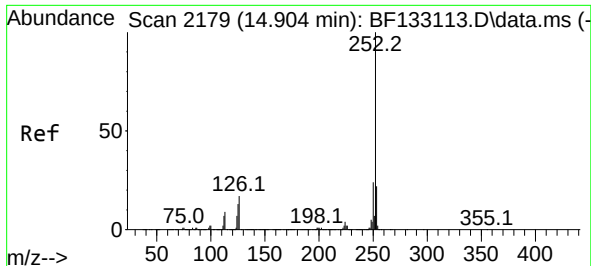
Delta R.T. -0.006 min

Lab File: BF133197.D

Acq: 02 May 2023 19:24

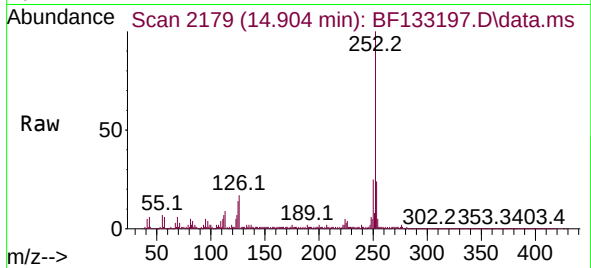
Tgt Ion:276 Resp: 213238
 Ion Ratio Lower Upper
 276 100
 138 25.6 25.5 38.3
 277 24.0 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 25.740 ng m
RT: 14.904 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

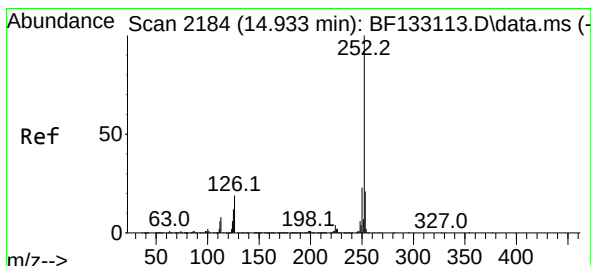
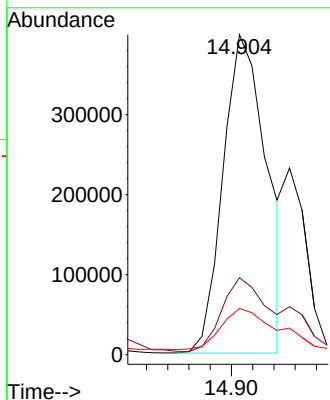
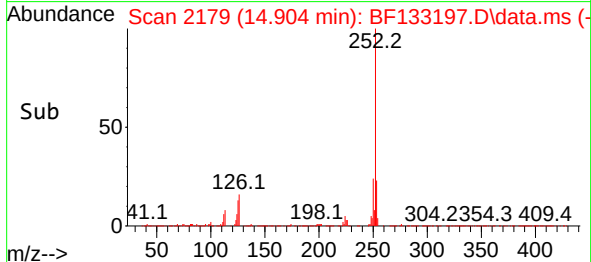
Instrument :
BNA_F
ClientSampleId :
OR-02-04282023DL



Tgt Ion:252 Resp: 56855
Ion Ratio Lower Upper
252 100
253 24.0 17.6 26.4
125 14.4 8.9 13.3

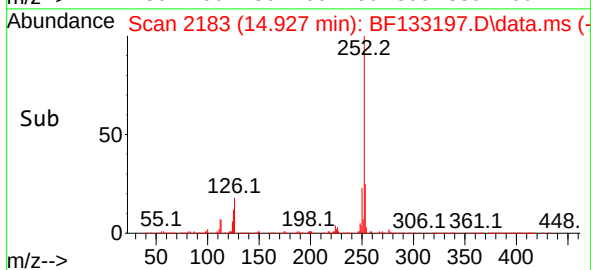
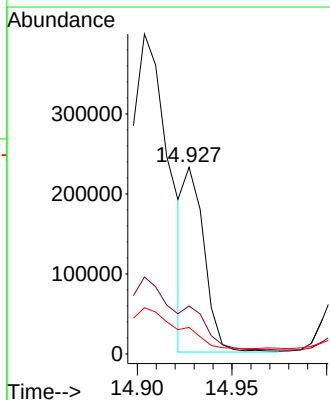
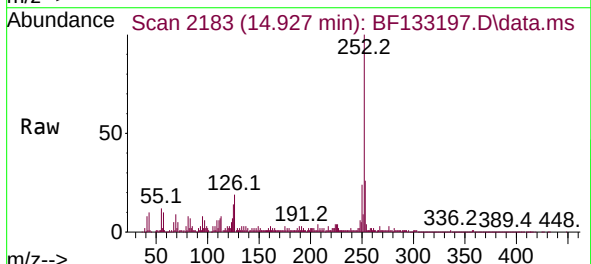
Manual Integrations
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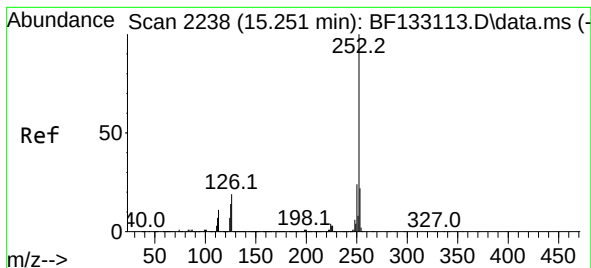
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#89
Benzo(k)fluoranthene
Concen: 7.780 ng m
RT: 14.927 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF133197.D
Acq: 02 May 2023 19:24

Tgt Ion:252 Resp: 170355
Ion Ratio Lower Upper
252 100
253 25.7 17.7 26.5
125 14.3 9.0 13.4





#90

Benzo(a)pyrene

Concen: 19.085 ng

RT: 15.251 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133197.D

Acq: 02 May 2023 19:24

Instrument :

BNA_F

ClientSampleId :

OR-02-04282023DL

Tgt Ion:252 Resp: 38370

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

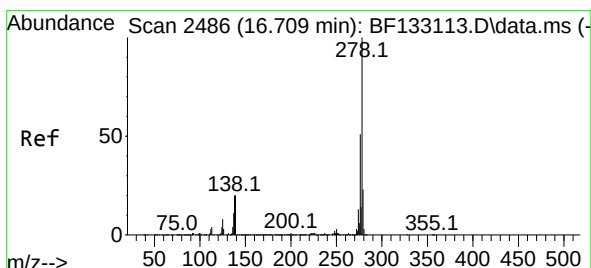
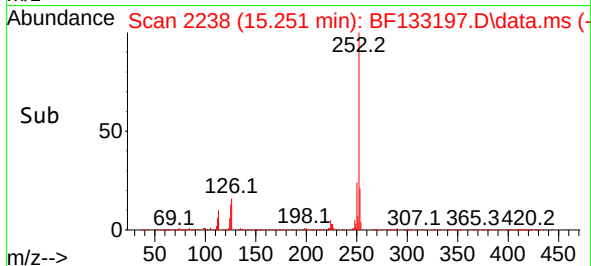
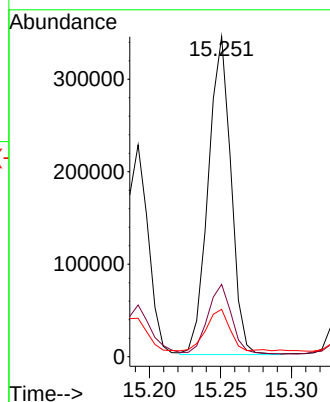
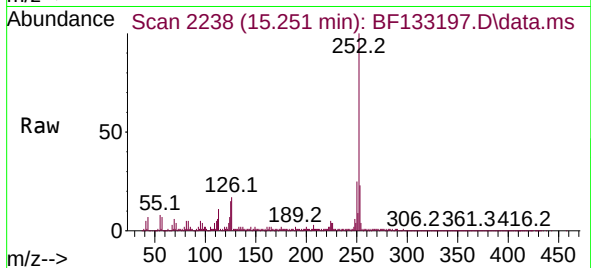
125 14.8 10.5 15.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/03/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.978 ng

RT: 16.698 min Scan# 2484

Delta R.T. -0.012 min

Lab File: BF133197.D

Acq: 02 May 2023 19:24

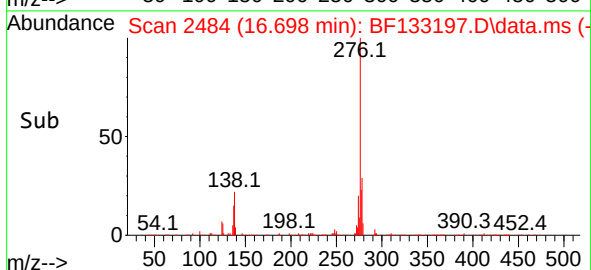
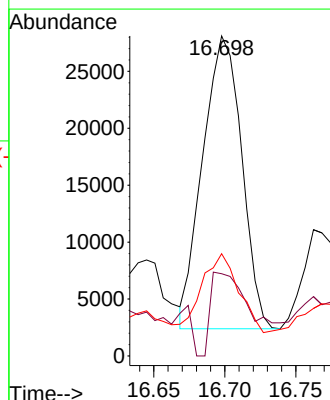
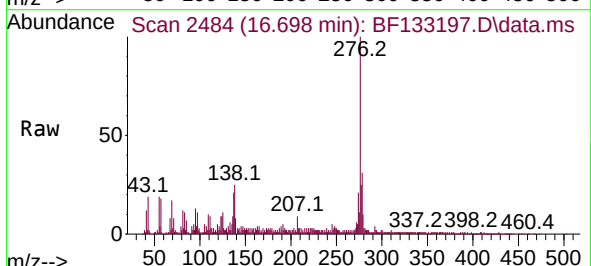
Tgt Ion:278 Resp: 49060

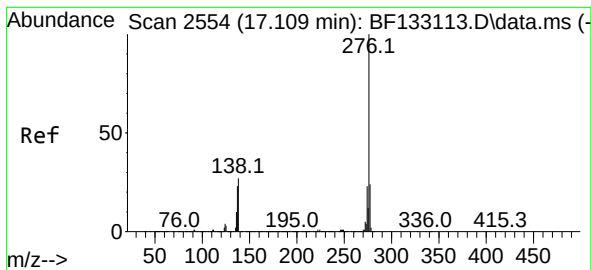
Ion Ratio Lower Upper

278 100

139 25.7 16.6 24.8#

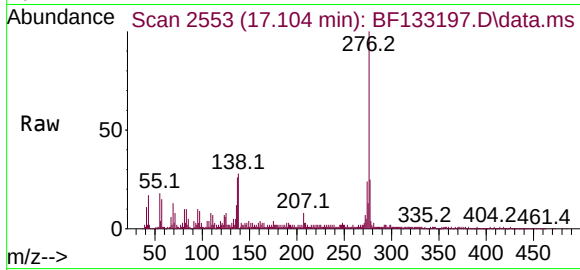
279 31.9 18.8 28.2#





#92
 Benzo(g,h,i)perylene
 Concen: 11.966 ng
 RT: 17.104 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133197.D
 Acq: 02 May 2023 19:24

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-04282023DL



Tgt Ion: 276 Resp: 19459
 Ion Ratio Lower Upper
 276 100
 277 25.1 19.4 29.0
 138 27.5 22.7 34.1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/03/2023
 Supervised By : Jagrut Upadhyay 05/03/2023

