

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
 Data File : BF133190.D
 Acq On : 02 May 2023 15:48
 Operator : CG\JU
 Sample : 02568-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11938

Manual Integrations
 APPROVED

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

Quant Time: May 03 07:05:26 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	207654	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	841609	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	445477	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	793653	20.000	ng	0.00
76) Chrysene-d12	13.880	240	429080	20.000	ng	-0.01
86) Perylene-d12	15.298	264	401785	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1430267	104.047	ng	0.00
7) Phenol-d6	6.375	99	1741229	102.052	ng	0.00
23) Nitrobenzene-d5	7.293	82	1066349	68.391	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	448253	100.054	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1838160	69.033	ng	0.00
79) Terphenyl-d14	12.839	244	1941797	78.050	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.269	178	296039	6.940	ng	100
75) Fluoranthene	12.457	202	448803	10.483	ng	97
78) Pyrene	12.686	202	377951	10.275	ng	100
81) Benzo(a)anthracene	13.869	228	137136	4.648	ng	98
83) Chrysene	13.904	228	134945	4.575	ng	97
87) Indeno(1,2,3-cd)pyrene	16.668	276	68081	2.979	ng	92
88) Benzo(b)fluoranthene	14.898	252	133080m	5.206	ng	
89) Benzo(k)fluoranthene	14.921	252	51403m	2.029	ng	
90) Benzo(a)pyrene	15.239	252	93135	4.003	ng	97
92) Benzo(g,h,i)perylene	17.080	276	64851	3.446	ng	98

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

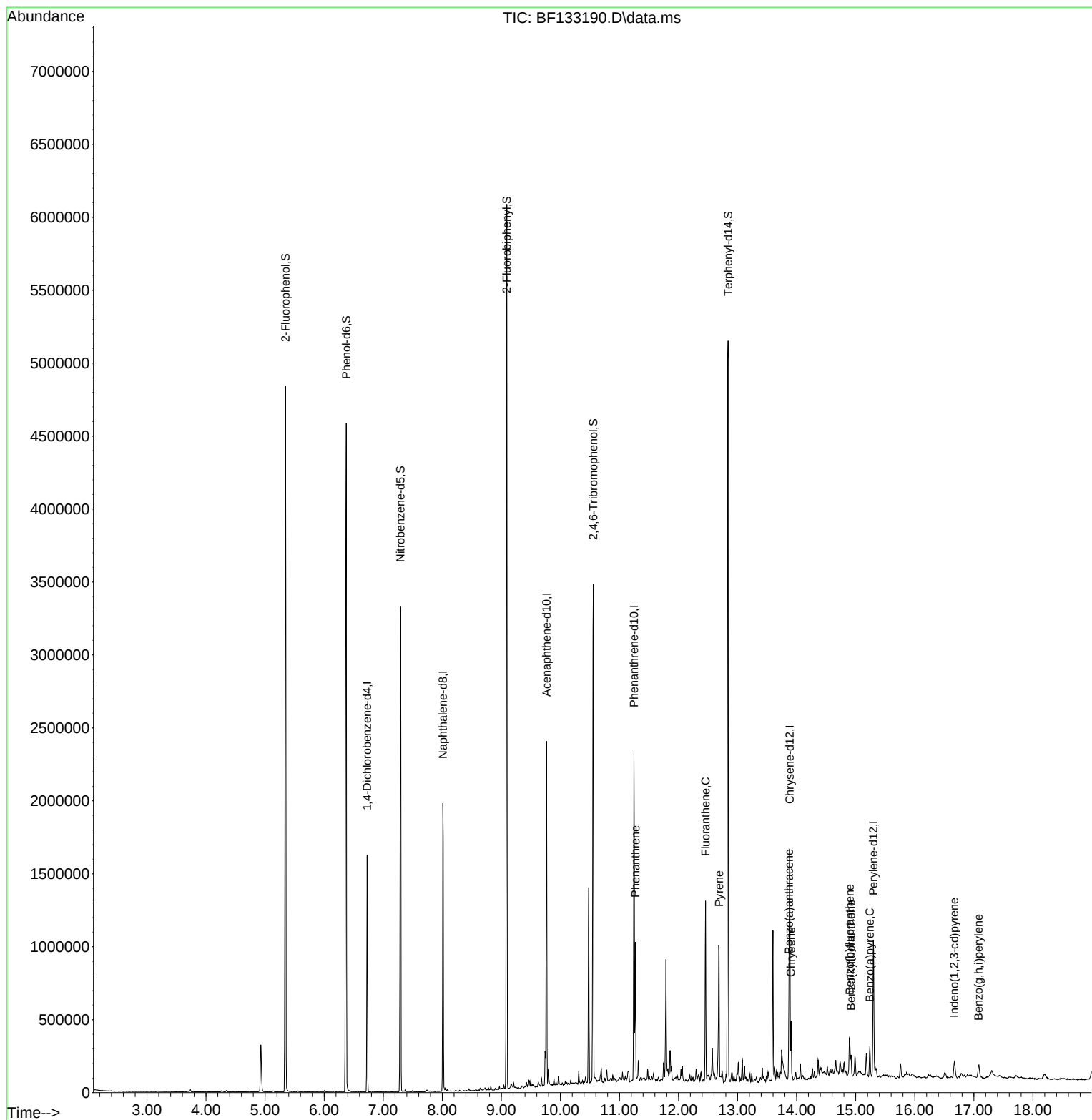
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050223\
Data File : BF133190.D
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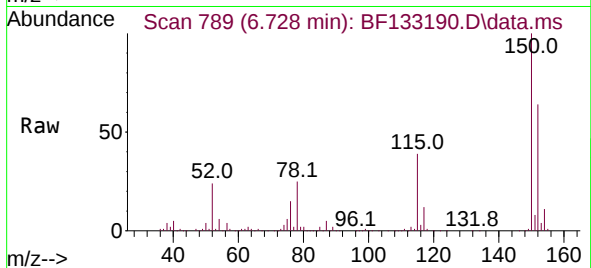
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 04:52:44 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

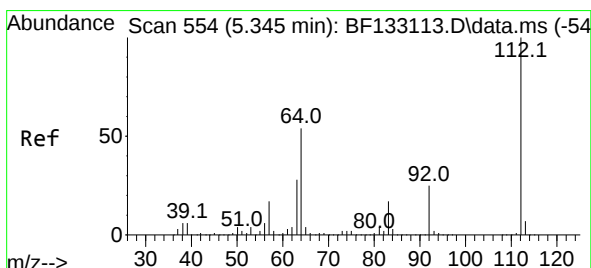
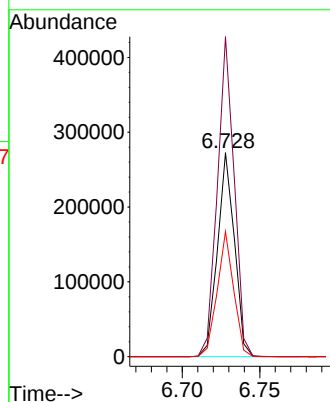
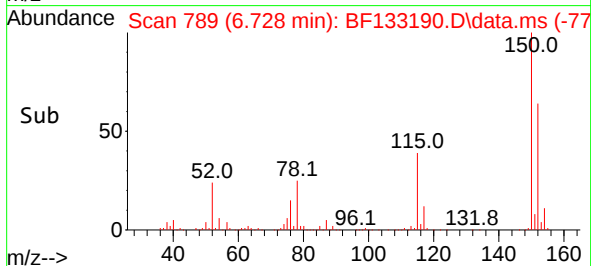
Instrument :
BNA_F
ClientSampleId :
72-11938



Tgt Ion:152 Resp: 207654
Ion Ratio Lower Upper
152 100
150 156.9 124.8 187.2
115 61.3 49.9 74.9

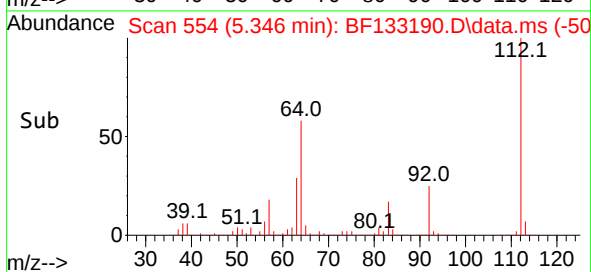
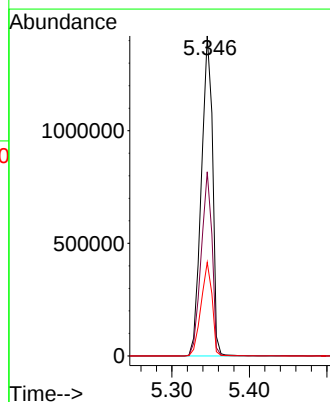
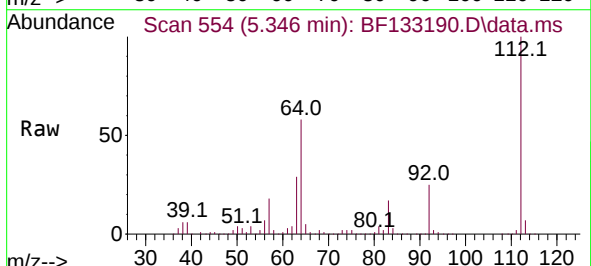
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Supervised By :Jagrut Upadhyay 05/03/2023



#5
2-Fluorophenol
Concen: 104.047 ng
RT: 5.346 min Scan# 554
Delta R.T. 0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

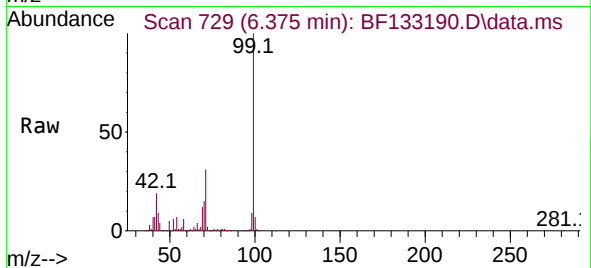
Tgt Ion:112 Resp: 1430267
Ion Ratio Lower Upper
112 100
64 57.6 46.8 70.2
63 29.3 23.8 35.8





#7
Phenol-d6
Concen: 102.052 ng
RT: 6.375 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

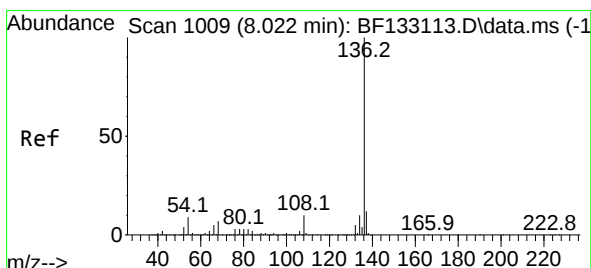
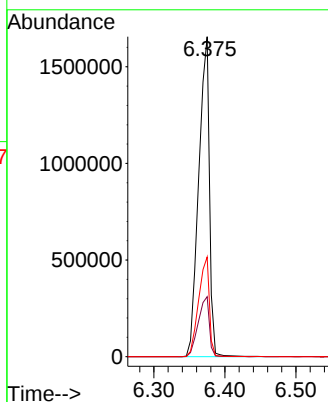
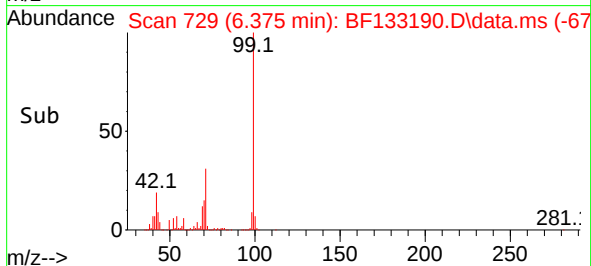
Instrument :
BNA_F
ClientSampleId :
72-11938



Tgt Ion: 99 Resp: 1741229
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 31.2 25.6 38.4

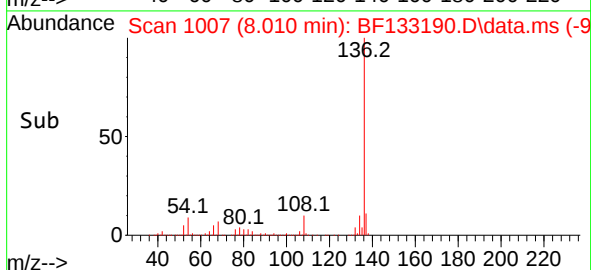
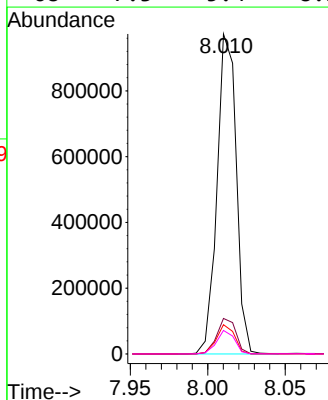
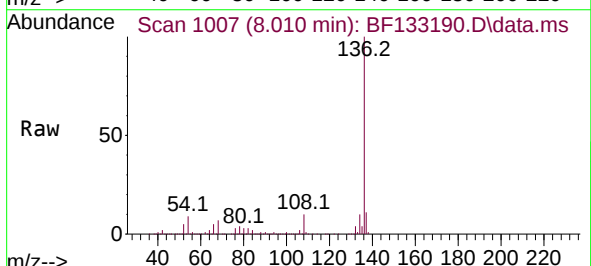
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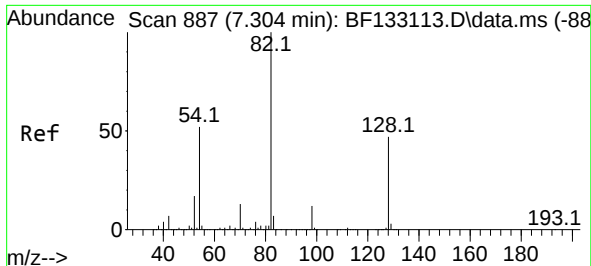
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

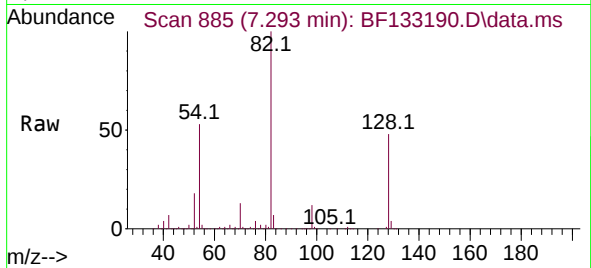
Tgt Ion:136 Resp: 841609
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.2 7.0 10.4
68 7.3 5.4 8.2





#23
Nitrobenzene-d5
Concen: 68.391 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

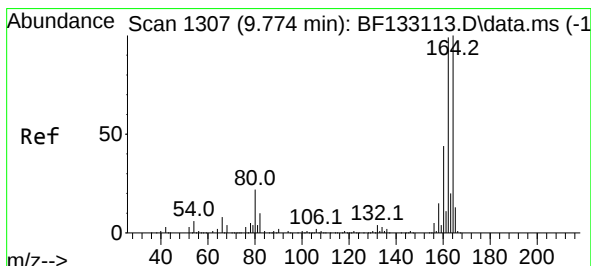
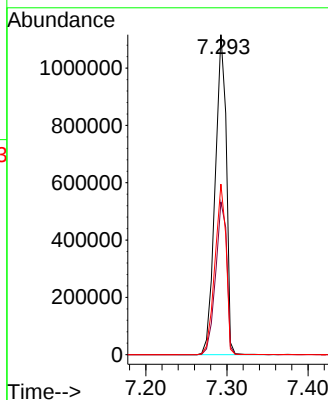
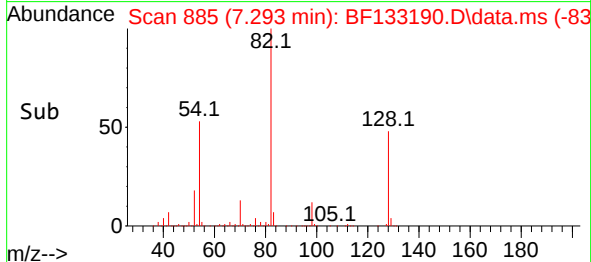
Instrument :
BNA_F
ClientSampleId :
72-11938



Tgt Ion: 82 Resp: 1066349
Ion Ratio Lower Upper
82 100
128 47.7 37.7 56.5
54 53.3 43.0 64.4

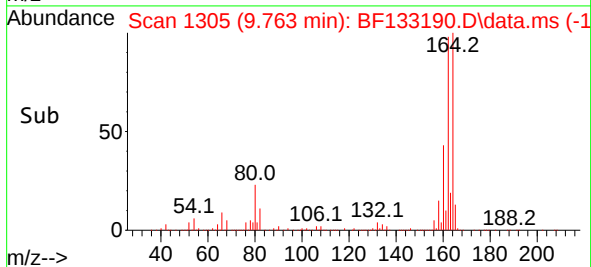
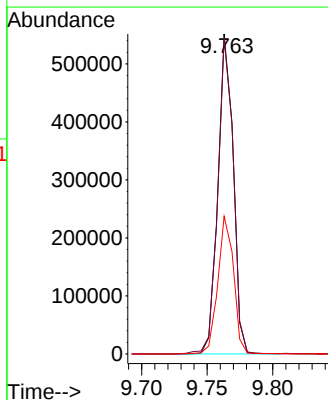
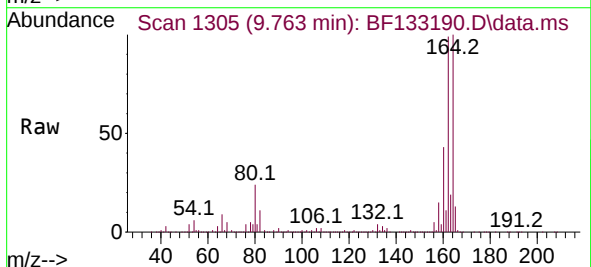
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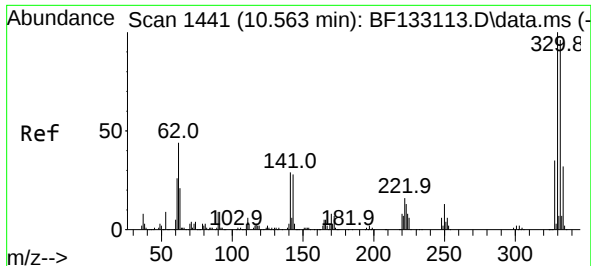
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion:164 Resp: 445477
Ion Ratio Lower Upper
164 100
162 98.6 78.7 118.1
160 43.0 35.8 53.6





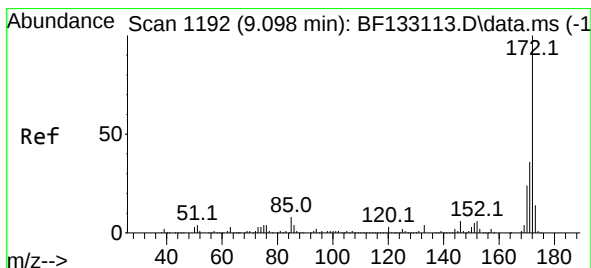
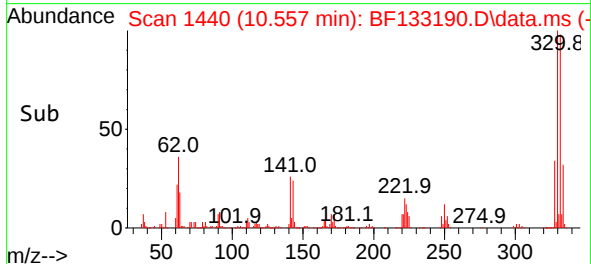
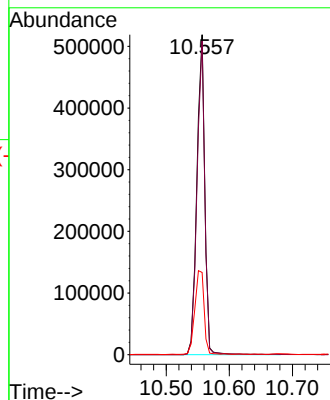
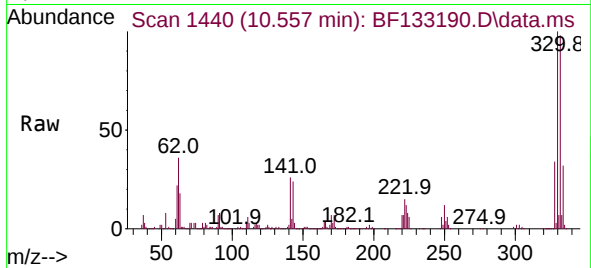
#42
2,4,6-Tribromophenol
Concen: 100.054 ng
RT: 10.557 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Instrument :
BNA_F
ClientSampleId :
72-11938

Tgt Ion:330 Resp: 44825
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 30.8 25.8 38.8

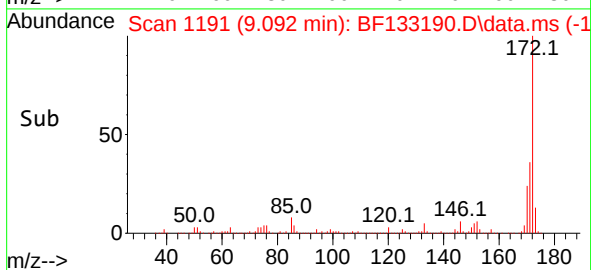
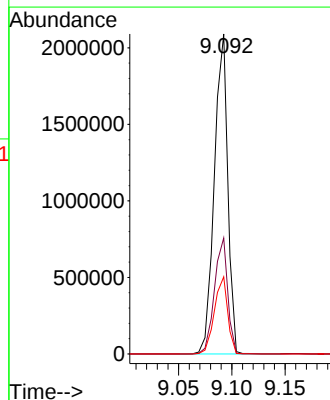
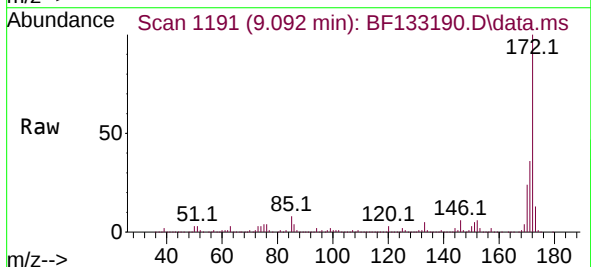
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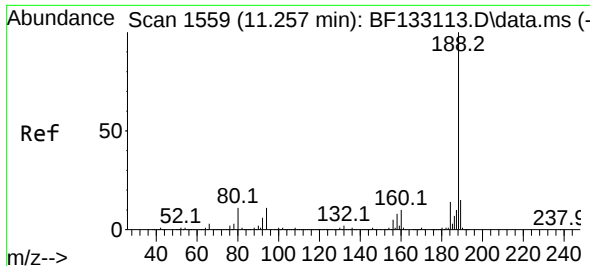
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#45
2-Fluorobiphenyl
Concen: 69.033 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion:172 Resp: 1838160
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.1 19.4 29.2





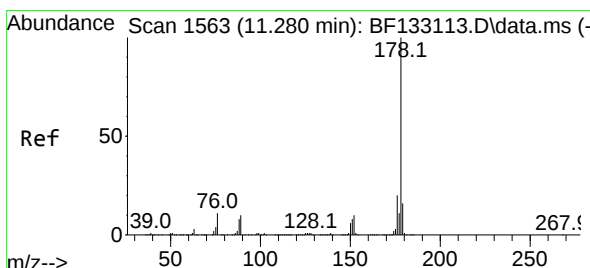
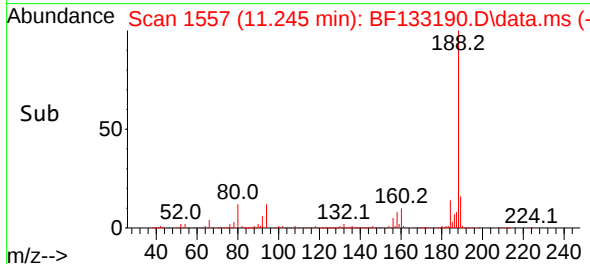
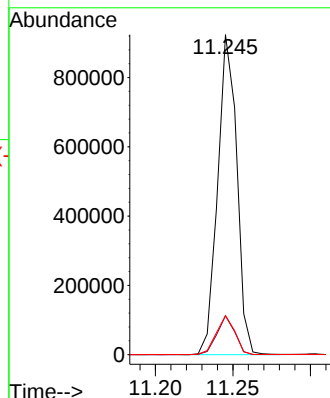
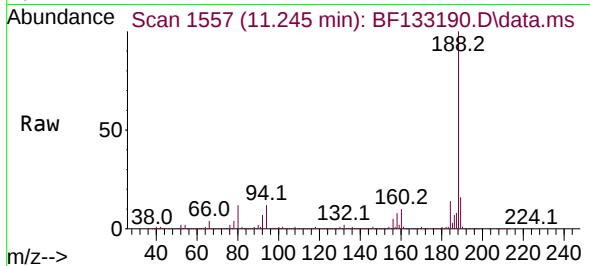
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Instrument :
BNA_F
ClientSampleId :
72-11938

Tgt Ion:188 Resp: 79365
Ion Ratio Lower Upper
188 100
94 12.1 9.7 14.5
80 12.2 10.4 15.6

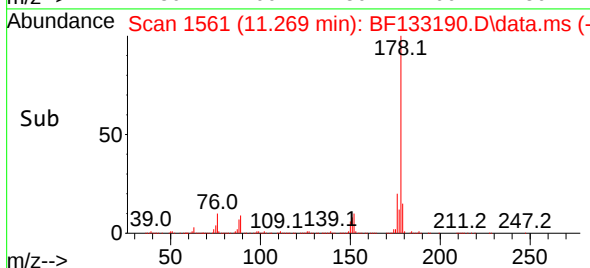
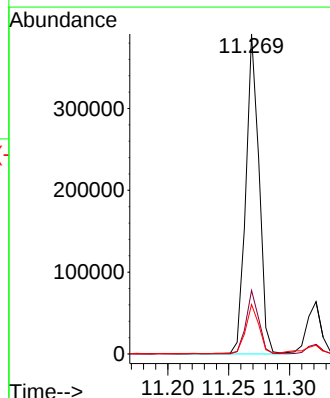
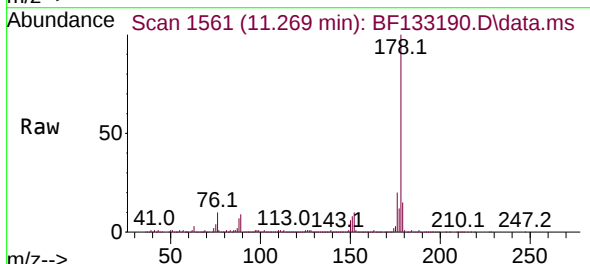
Manual Integrations
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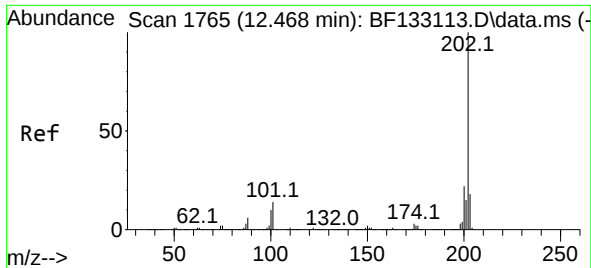
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#71
Phenanthrene
Concen: 6.940 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

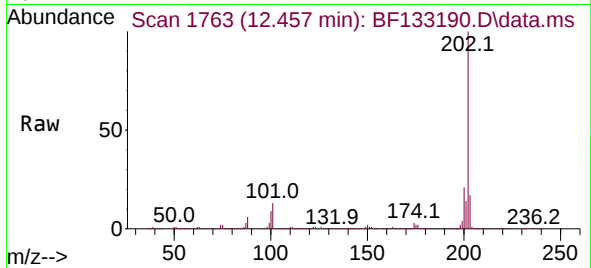
Tgt Ion:178 Resp: 296039
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.5 12.5 18.7





#75
Fluoranthene
Concen: 10.483 ng
RT: 12.457 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

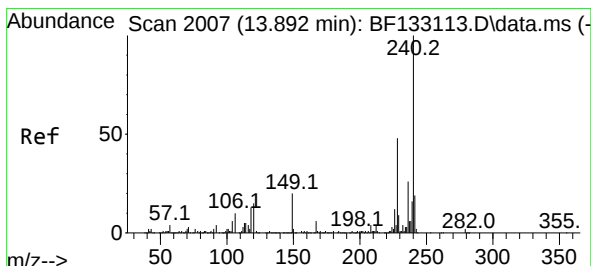
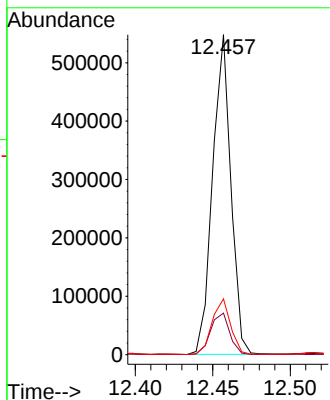
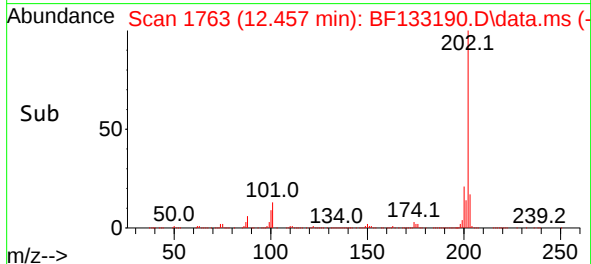
Instrument :
BNA_F
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72-11938



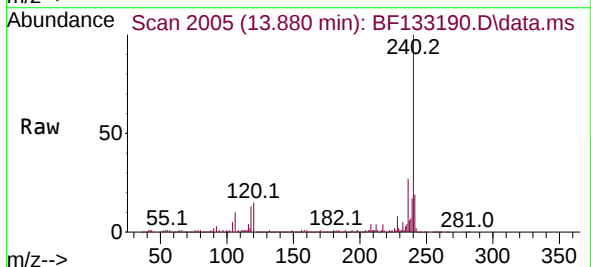
Tgt Ion:202 Resp: 448800
Ion Ratio Lower Upper
202 100
101 13.0 0.0 35.3
203 17.4 0.0 38.1

Manual Integrations
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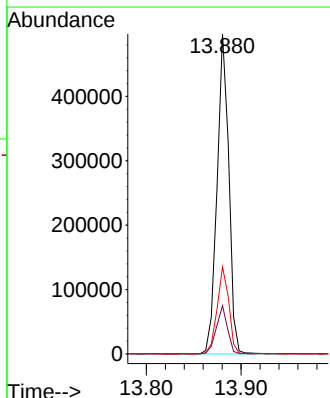
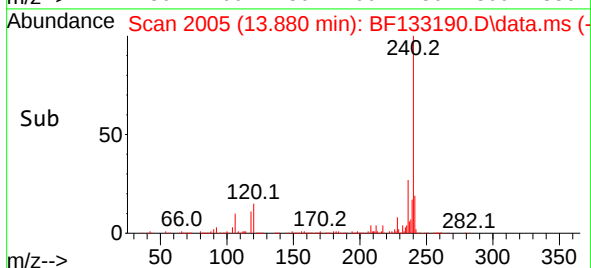
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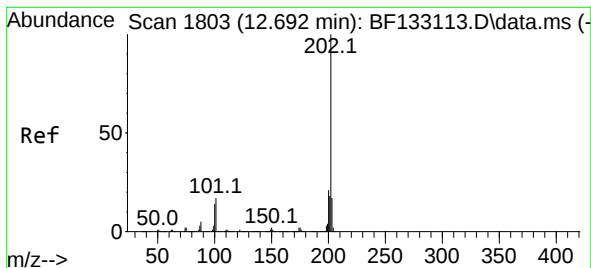


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48



Tgt Ion:240 Resp: 429080
Ion Ratio Lower Upper
240 100
120 15.1 10.5 15.7
236 27.2 21.5 32.3





#78

Pyrene

Concen: 10.275 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133190.D

Acq: 02 May 2023 15:48

Instrument :

BNA_F

ClientSampleId :

72-11938

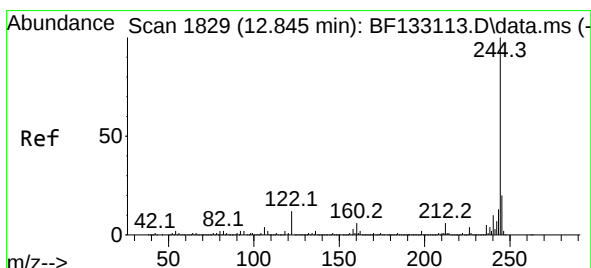
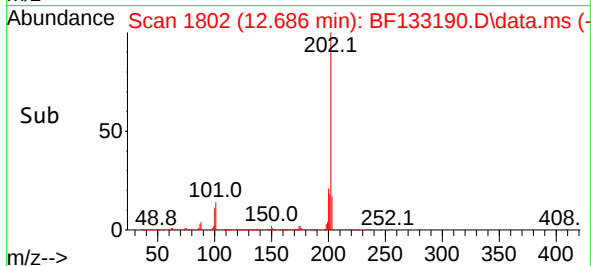
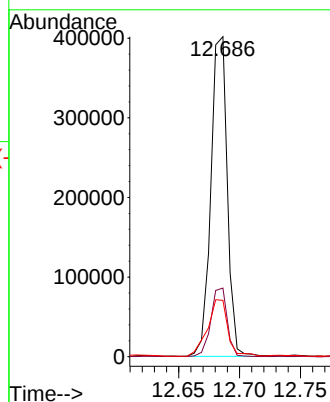
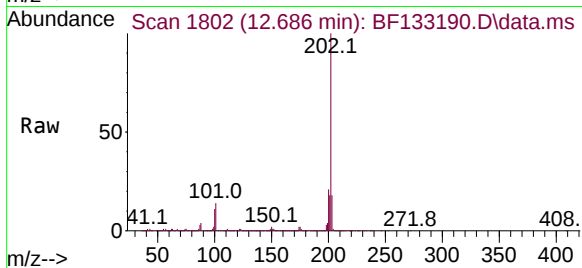
Tgt Ion:202 Resp: 37795

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.1	25.7
203	17.6	14.1	21.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/03/2023



#79

Terphenyl-d14

Concen: 78.050 ng

RT: 12.839 min Scan# 1828

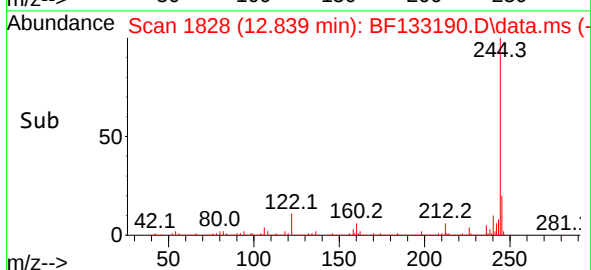
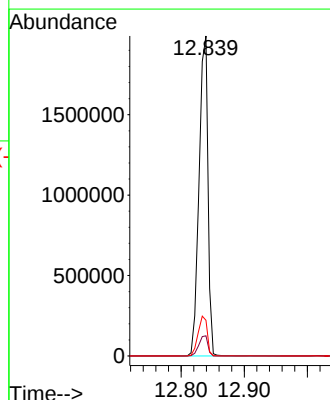
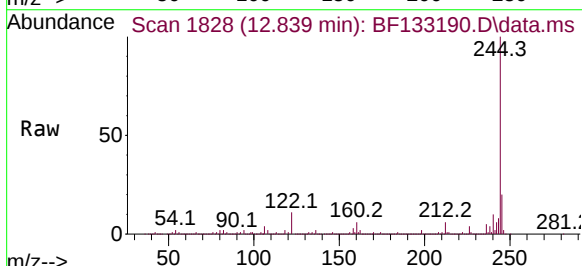
Delta R.T. 0.000 min

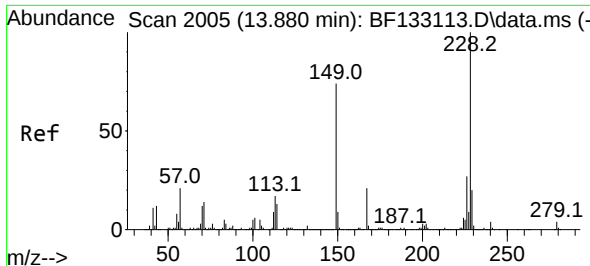
Lab File: BF133190.D

Acq: 02 May 2023 15:48

Tgt Ion:244 Resp: 1941797

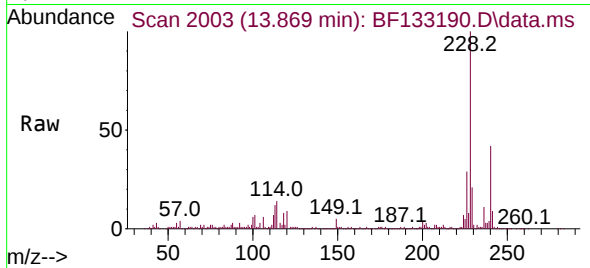
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.1	7.7
122	11.2	8.6	13.0





#81
Benzo(a)anthracene
Concen: 4.648 ng
RT: 13.869 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

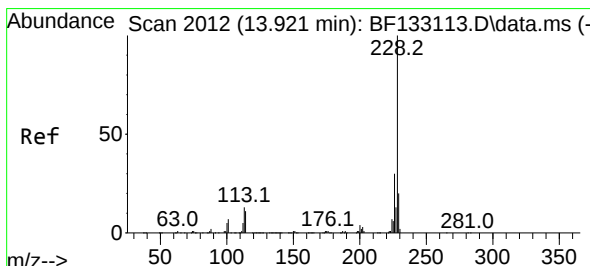
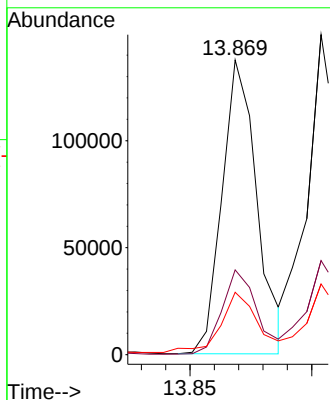
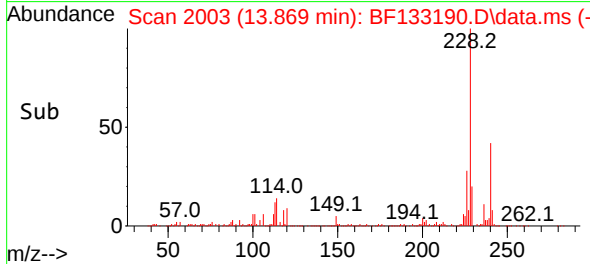
Instrument :
BNA_F
ClientSampleId :
72-11938



Tgt Ion:228 Resp: 137130
Ion Ratio Lower Upper
228 100
226 28.7 22.2 33.4
229 21.2 16.0 24.0

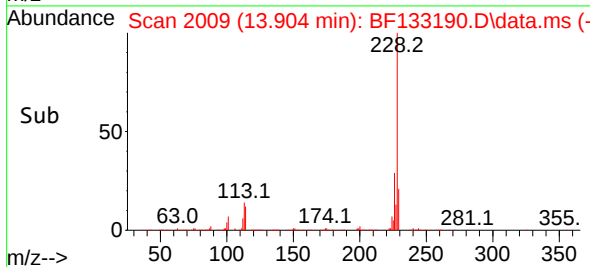
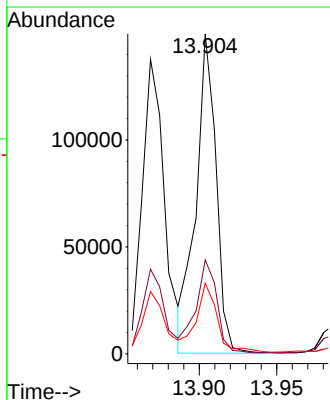
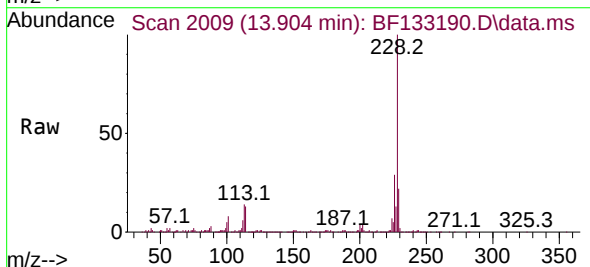
Manual Integrations
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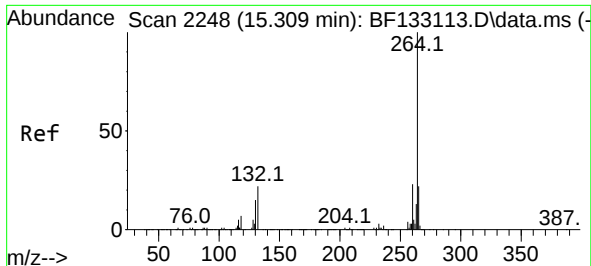
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#83
Chrysene
Concen: 4.575 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.017 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

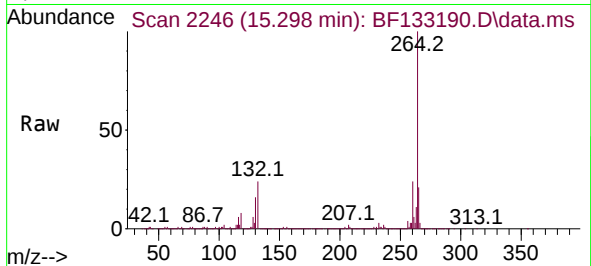
Tgt Ion:228 Resp: 134945
Ion Ratio Lower Upper
228 100
226 29.4 24.7 37.1
229 22.1 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

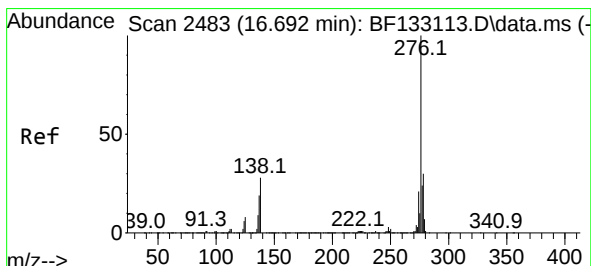
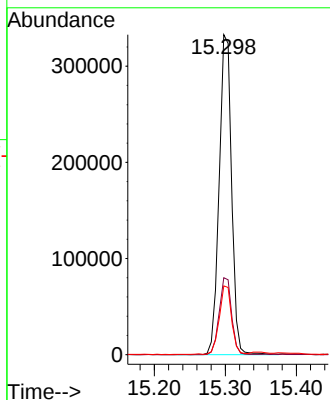
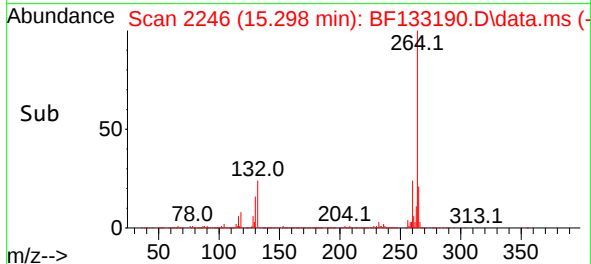
Instrument :
BNA_F
ClientSampleId :
72-11938



Tgt Ion:264 Resp: 40178
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 21.5 17.0 25.4

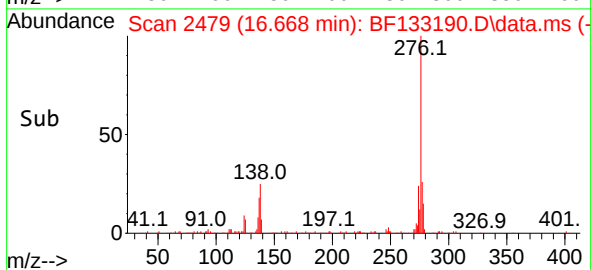
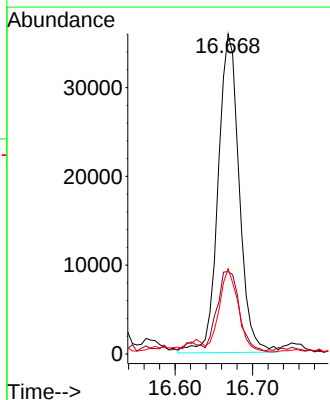
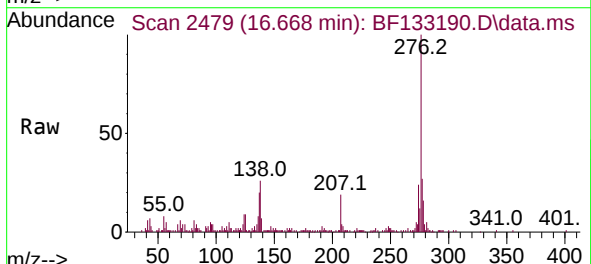
Manual Integrations
APPROVED

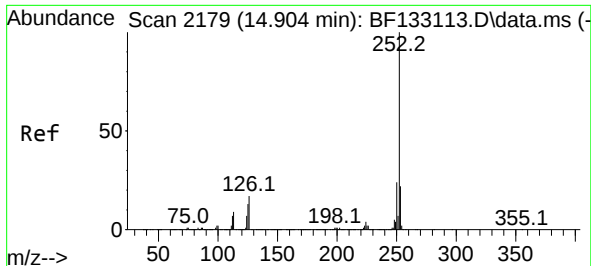
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.979 ng
RT: 16.668 min Scan# 2479
Delta R.T. -0.023 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

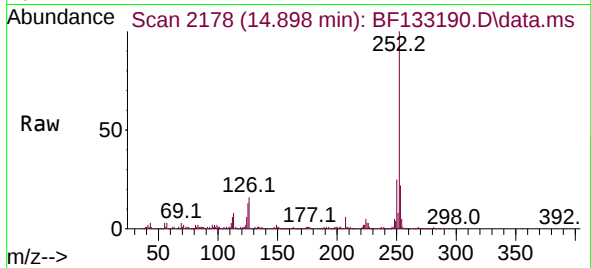
Tgt Ion:276 Resp: 68081
Ion Ratio Lower Upper
276 100
138 25.8 25.5 38.3
277 23.4 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 5.206 ng m
RT: 14.898 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

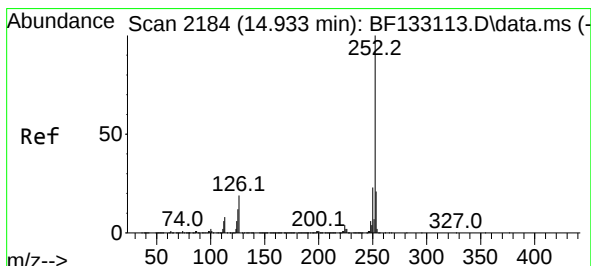
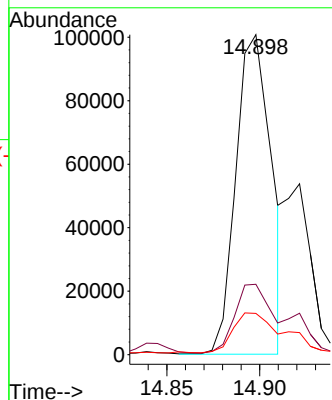
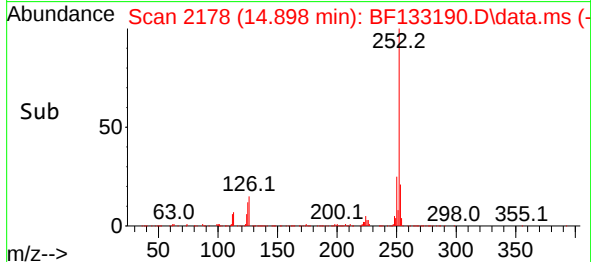
Instrument :
BNA_F
ClientSampleId :
72-11938



Tgt Ion:252 Resp: 133080
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 12.9 8.9 13.3

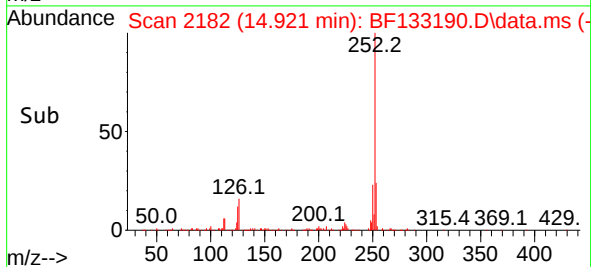
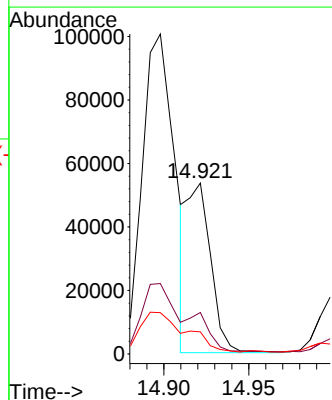
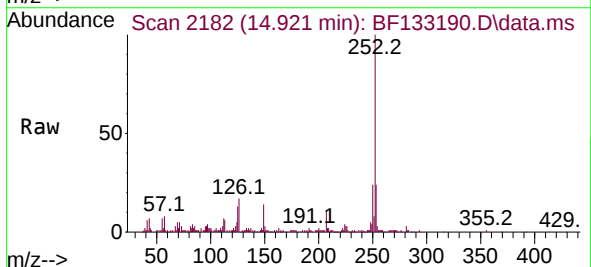
Manual Integrations
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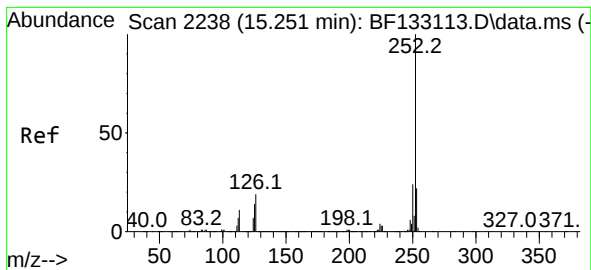
Reviewed By :Christian Giraldo 05/03/2023
Supervised By :Jagrut Upadhyay 05/03/2023



#89
Benzo(k)fluoranthene
Concen: 2.029 ng m
RT: 14.921 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

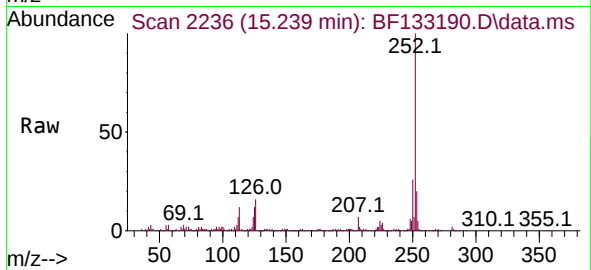
Tgt Ion:252 Resp: 51403
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 12.9 9.0 13.4





#90
Benzo(a)pyrene
Concen: 4.003 ng
RT: 15.239 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

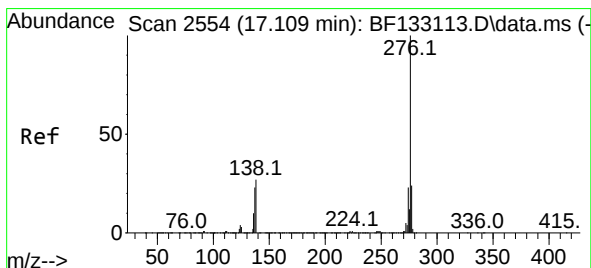
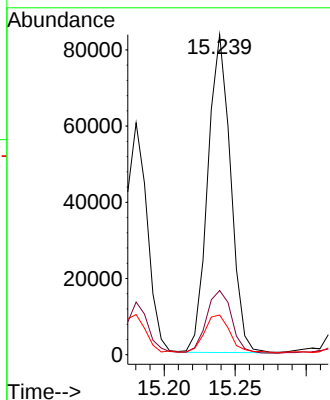
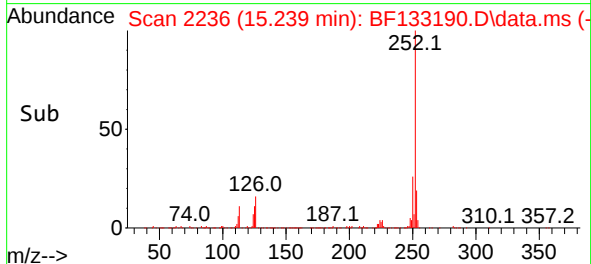
Instrument :
BNA_F
ClientSampleId :
72-11938



Tgt Ion:252 Resp: 9313
Ion Ratio Lower Upper
252 100
253 20.0 17.7 26.5
125 12.4 10.5 15.7

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 3.446 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.029 min
Lab File: BF133190.D
Acq: 02 May 2023 15:48

Tgt Ion:276 Resp: 64851
Ion Ratio Lower Upper
276 100
277 25.0 19.4 29.0
138 29.1 22.7 34.1

