

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
 Data File : BF133321.D
 Acq On : 09 May 2023 17:11
 Operator : CG\JU
 Sample : 02690-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-050823

Quant Time: May 10 01:48:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/10/2023
 Supervised By :Jagrut Upadhyay 05/10/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	176431	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	690472	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	319863	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	483798	20.000	ng	# 0.00
76) Chrysene-d12	13.880	240	352643	20.000	ng	0.00
86) Perylene-d12	15.304	264	298759	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	619671	53.057	ng	0.00
7) Phenol-d6	6.357	99	745830	51.448	ng	-0.01
23) Nitrobenzene-d5	7.281	82	441314	34.499	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	130471	40.559	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	820557	42.918	ng	0.00
79) Terphenyl-d14	12.821	244	705269	34.493	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	10.298	166	42985m	2.165	ng	
71) Phenanthrene	11.263	178	680019	26.152	ng	99
72) Anthracene	11.310	178	198759	7.469	ng	100
75) Fluoranthene	12.451	202	1252480	47.994	ng	99
78) Pyrene	12.680	202	1215500	40.209	ng	99
81) Benzo(a)anthracene	13.868	228	701062	28.910	ng	98
83) Chrysene	13.904	228	675924	27.880	ng	97
87) Indeno(1,2,3-cd)pyrene	16.686	276	315849	18.586	ng	94
88) Benzo(b)fluoranthene	14.898	252	863246m	45.418	ng	
89) Benzo(k)fluoranthene	14.921	252	199614m	10.595	ng	
90) Benzo(a)pyrene	15.245	252	572577	33.097	ng	98
91) Dibenzo(a,h)anthracene	16.686	278	83055	5.860	ng	# 87
92) Benzo(g,h,i)perylene	17.103	276	301295	21.532	ng	99

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

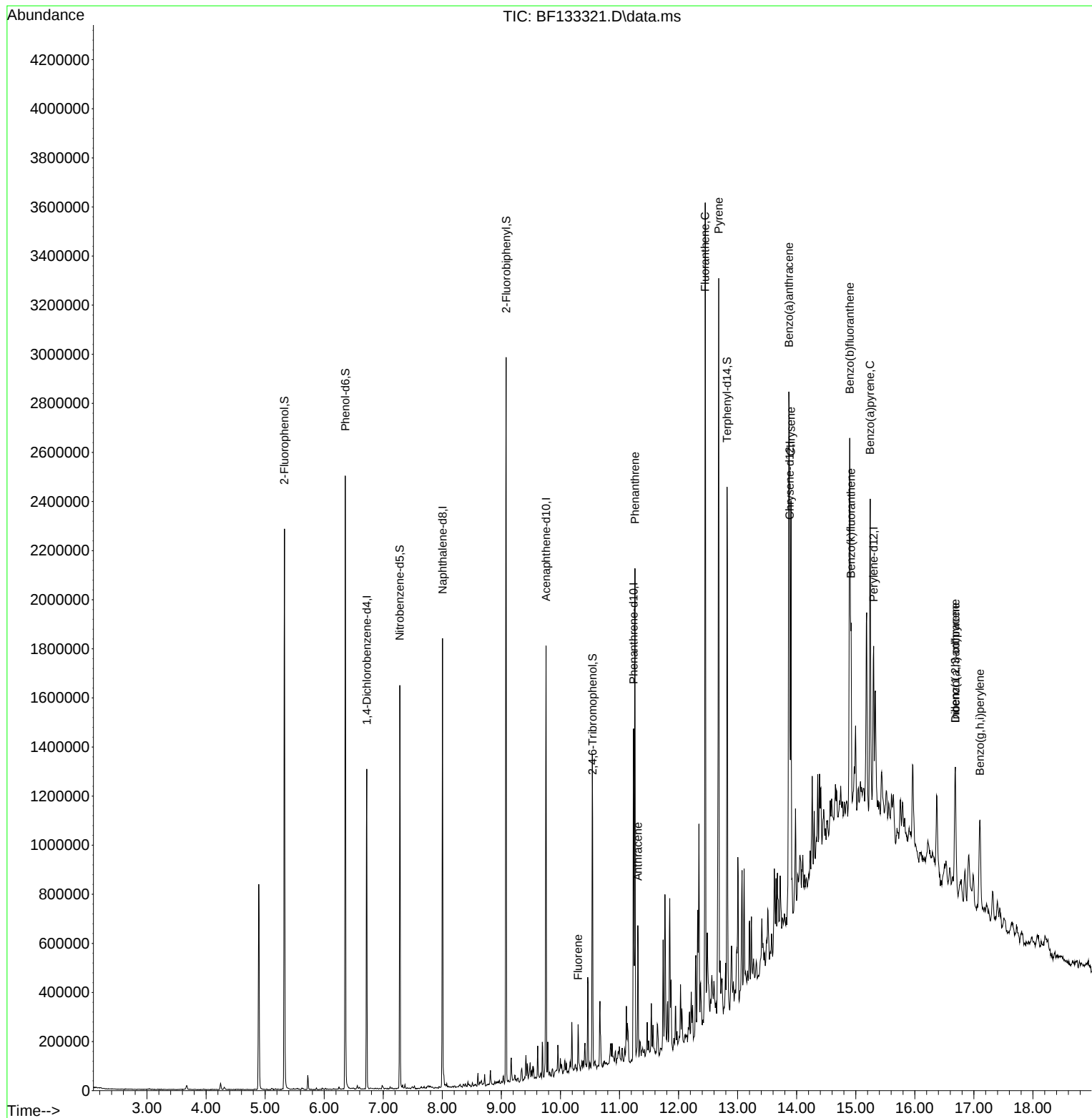
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133321.D
Acq On : 09 May 2023 17:11
Operator : CG\JU
Sample : 02690-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-050823

Quant Time: May 10 01:48:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 04:59:36 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 05/10/2023
Supervised By : Jagrut Upadhyay 05/10/2023





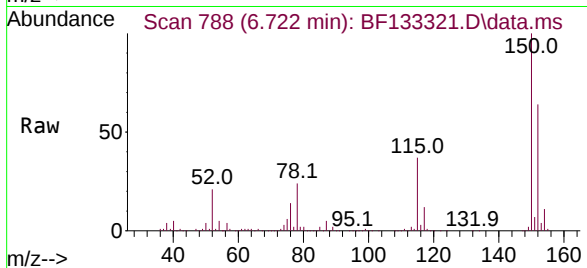
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

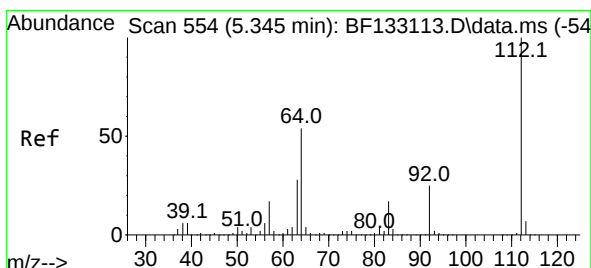
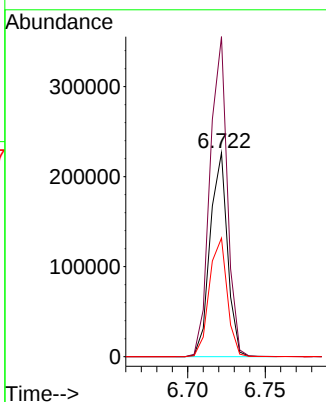
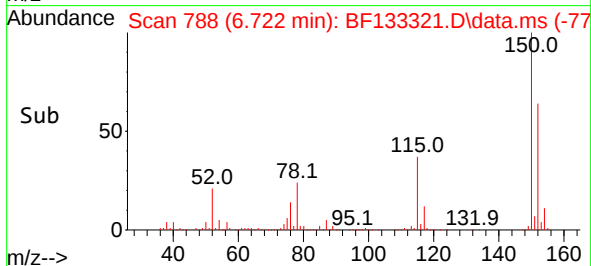
OR-3-050823



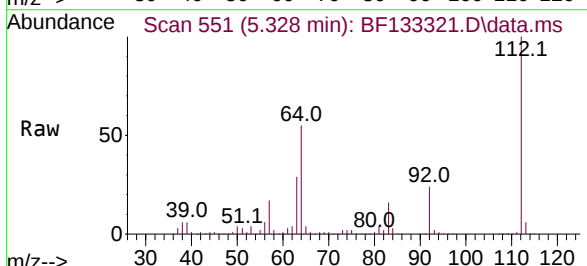
Tgt Ion:152 Resp: 17643
Ion Ratio Lower Upper
152 100
150 157.0 124.8 187.2
115 58.2 49.9 74.9

Manual Integrations
APPROVED

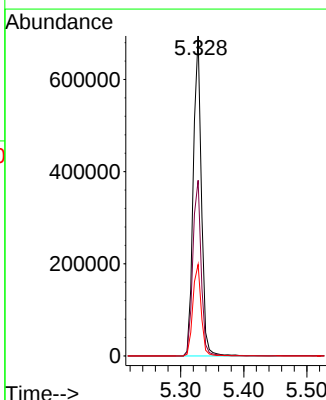
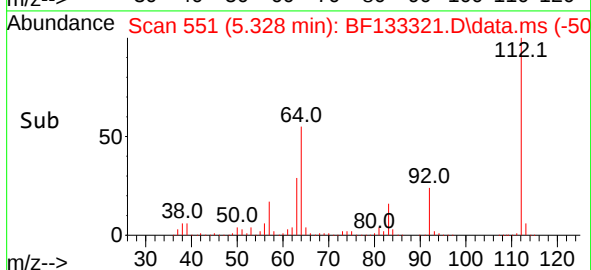
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#5
2-Fluorophenol
Concen: 53.057 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11



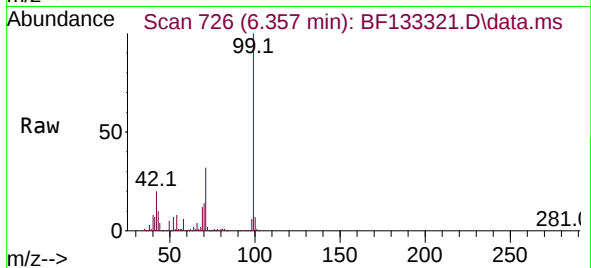
Tgt Ion:112 Resp: 619671
Ion Ratio Lower Upper
112 100
64 54.9 46.8 70.2
63 28.6 23.8 35.8





#7
Phenol-d6
Concen: 51.448 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

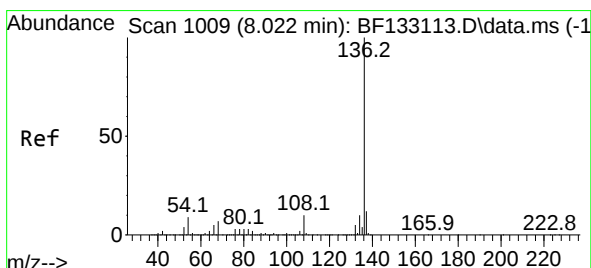
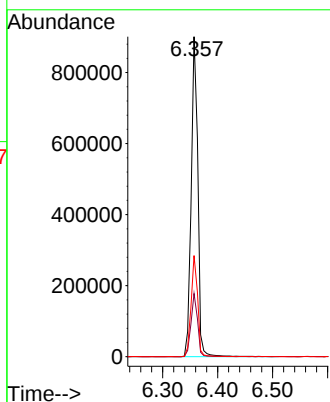
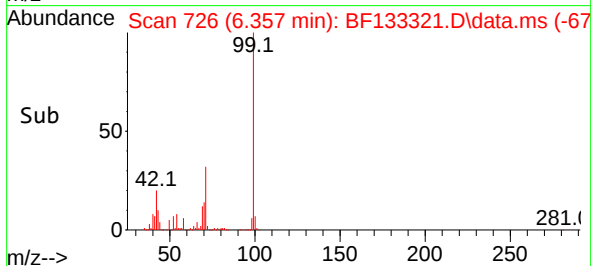
Instrument :
BNA_F
ClientSampleId :
OR-3-050823



Tgt Ion: 99 Resp: 745830
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 31.6 25.6 38.4

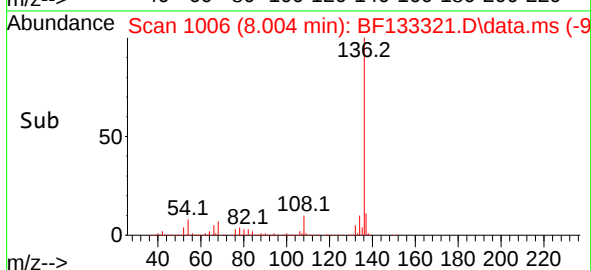
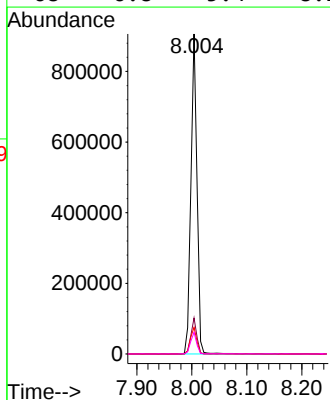
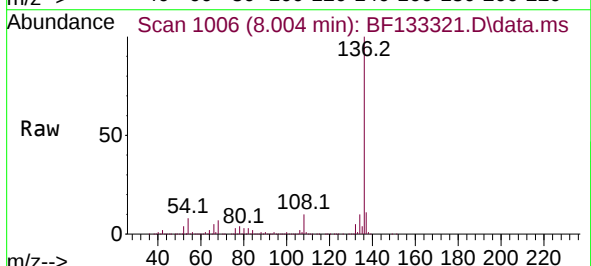
Manual Integrations
APPROVED

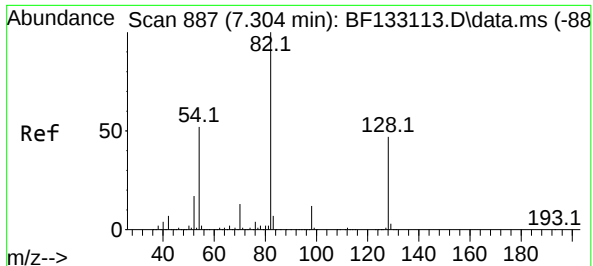
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion:136 Resp: 690472
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 8.3 7.0 10.4
68 6.8 5.4 8.2





#23

Nitrobenzene-d5

Concen: 34.499 ng

RT: 7.281 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF133321.D

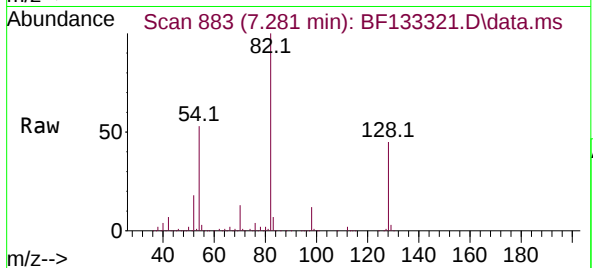
Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

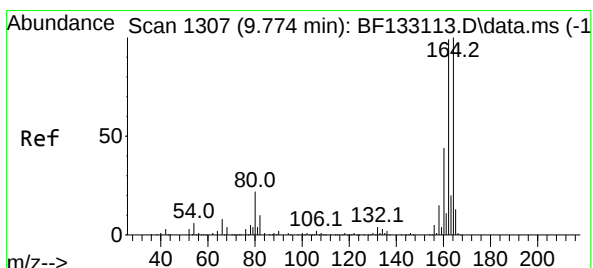
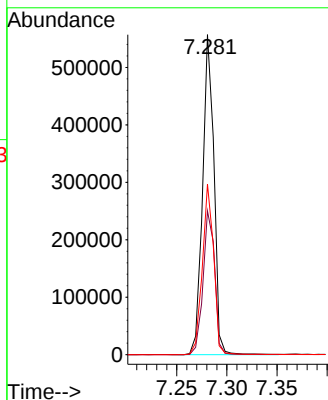
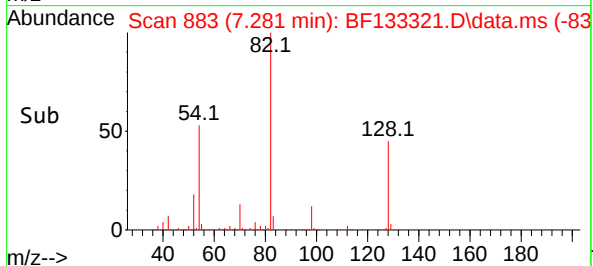
OR-3-050823



Tgt Ion: 82	Resp: 441314
Ion Ratio	Lower Upper
82	100
128	44.9 37.7 56.5
54	53.3 43.0 64.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

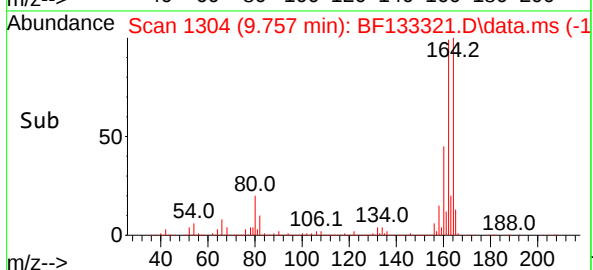
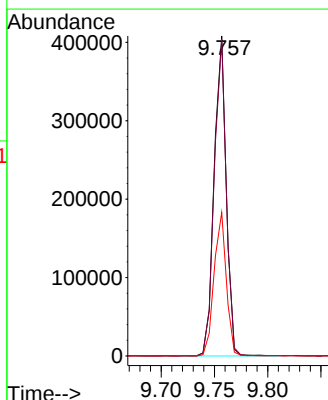
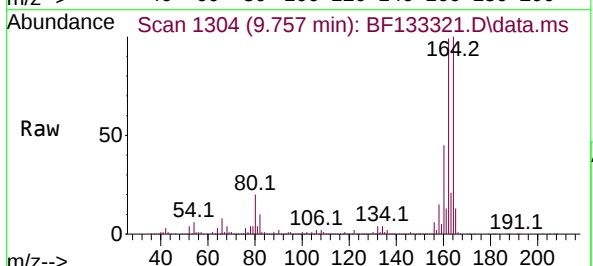
RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

Tgt Ion: 164	Resp: 319863
Ion Ratio	Lower Upper
164	100
162	99.0 78.7 118.1
160	44.9 35.8 53.6





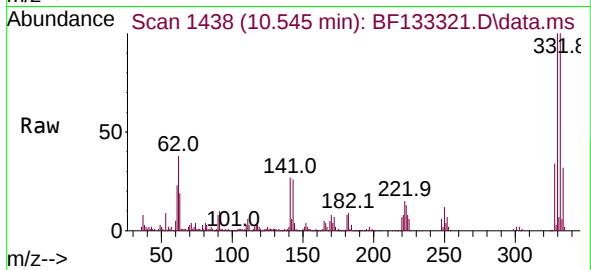
#42
2,4,6-Tribromophenol
Concen: 40.559 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823

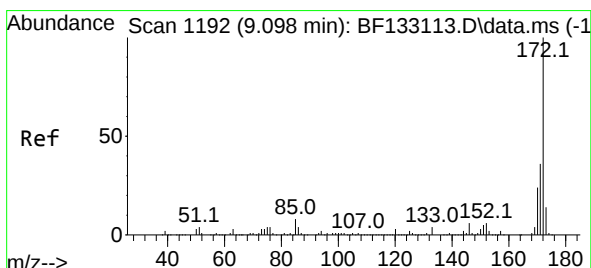
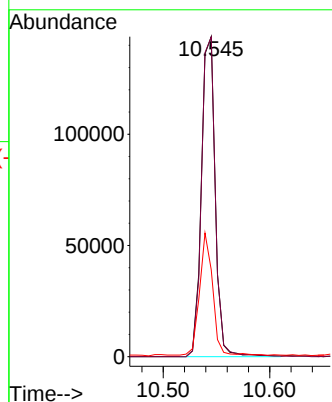
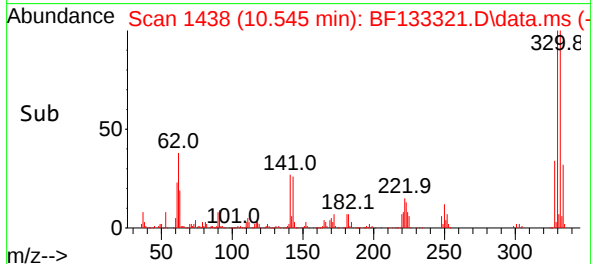


Tgt Ion:330 Resp: 13047
Ion Ratio Lower Upper
330 100
332 99.8 77.1 115.7
141 35.3 25.8 38.8

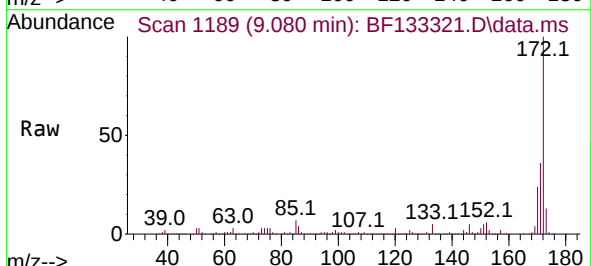
Manual Integrations

APPROVED

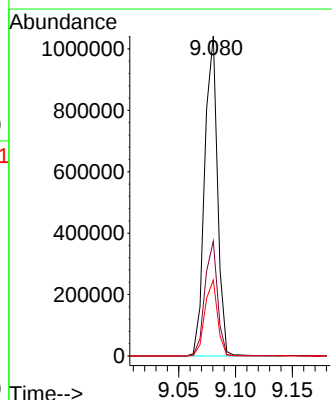
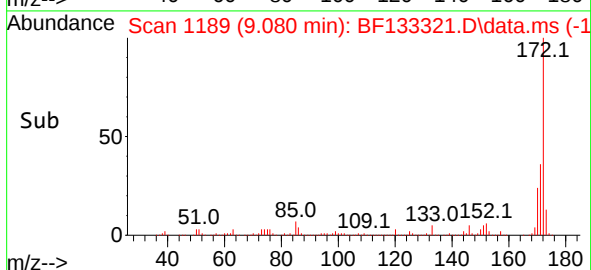
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

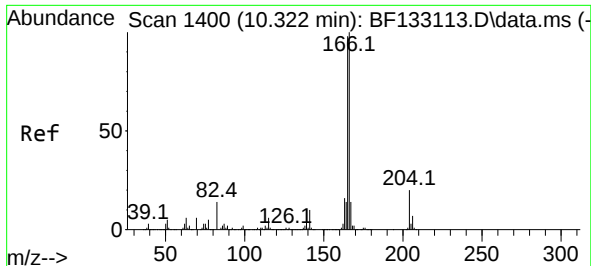


#45
2-Fluorobiphenyl
Concen: 42.918 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11



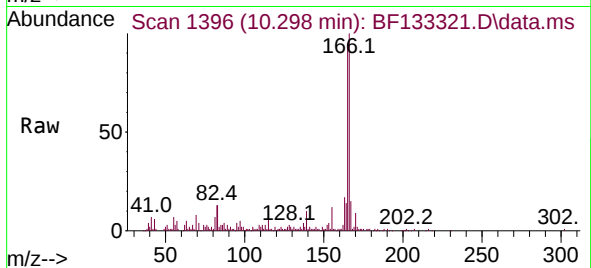
Tgt Ion:172 Resp: 820557
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.7 19.4 29.2





#58
Fluorene
Concen: 2.165 ng m
RT: 10.298 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

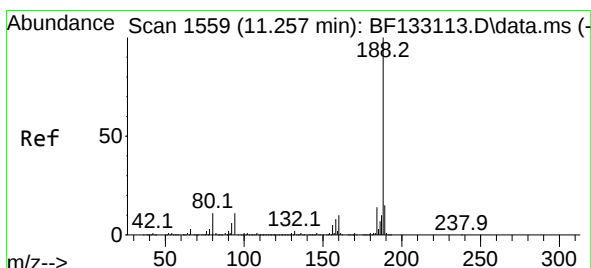
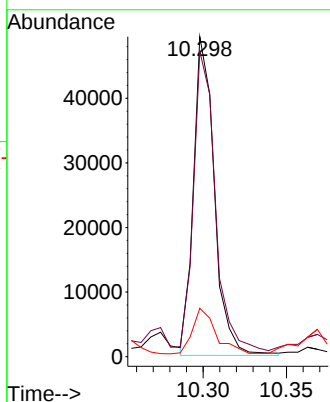
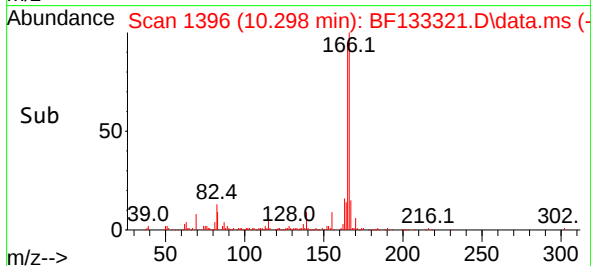
Instrument :
BNA_F
ClientSampleId :
OR-3-050823



Tgt Ion:166 Resp: 42985
Ion Ratio Lower Upper
166 100
165 95.4 78.6 117.8
167 15.1 11.0 16.4

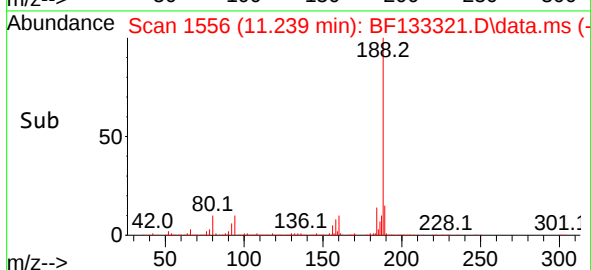
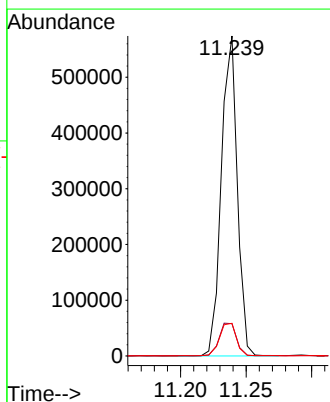
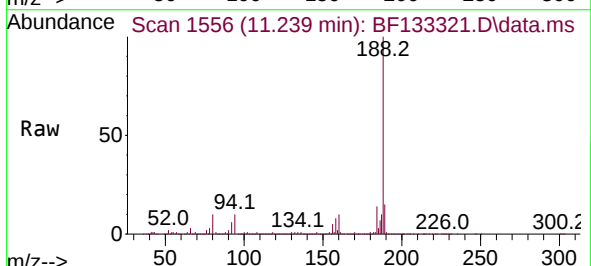
Manual Integrations
APPROVED

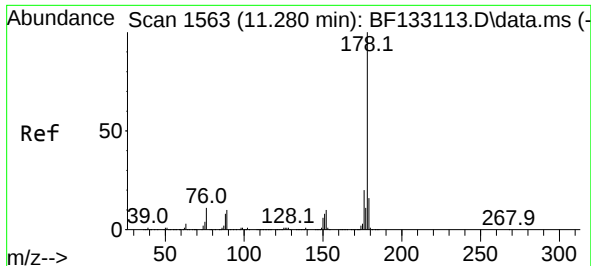
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion:188 Resp: 483798
Ion Ratio Lower Upper
188 100
94 10.1 9.7 14.5
80 10.2 10.4 15.6#





#71
Phenanthrene
Concen: 26.152 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

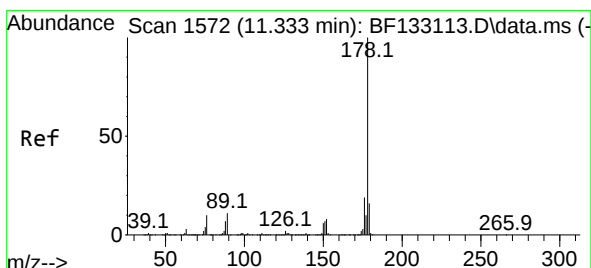
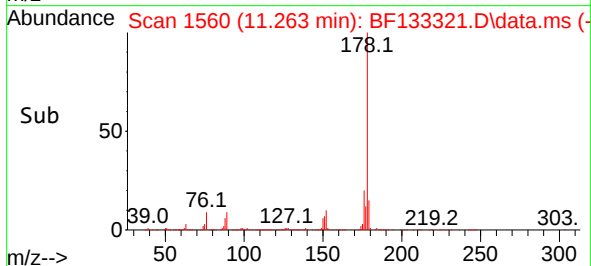
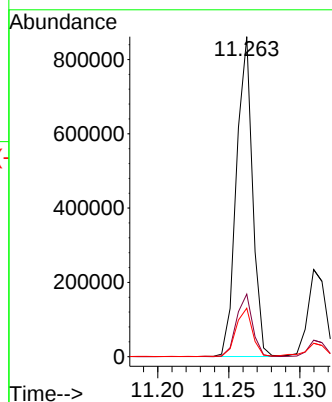
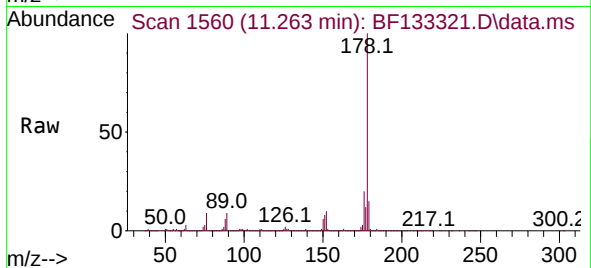
OR-3-050823

Tgt Ion:178 Resp: 680019
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.1 12.5 18.7

Manual Integrations

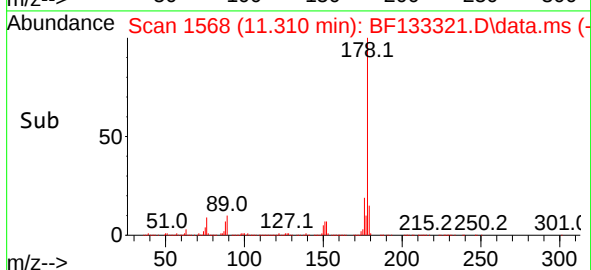
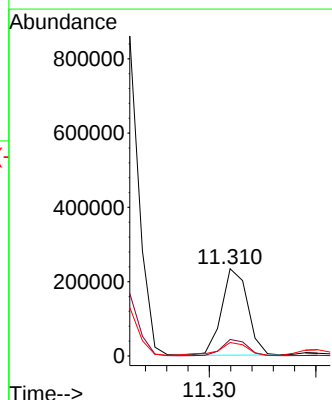
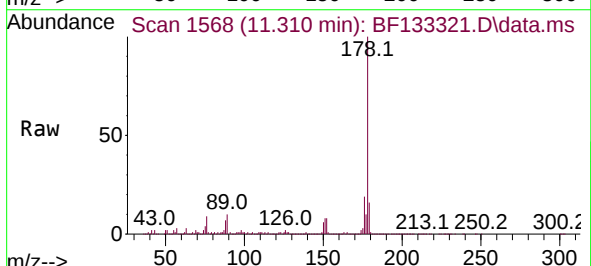
APPROVED

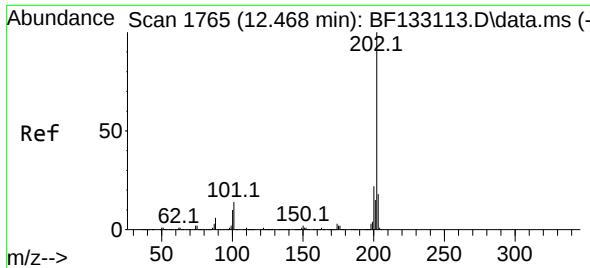
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#72
Anthracene
Concen: 7.469 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion:178 Resp: 198759
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 47.994 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

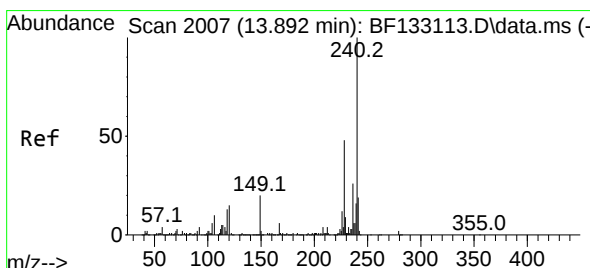
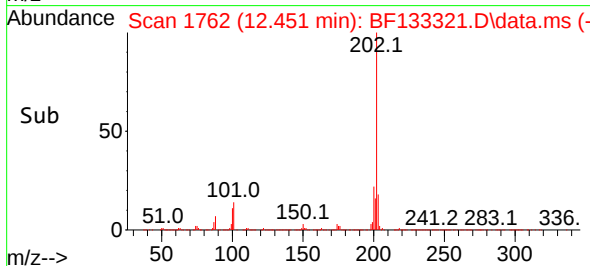
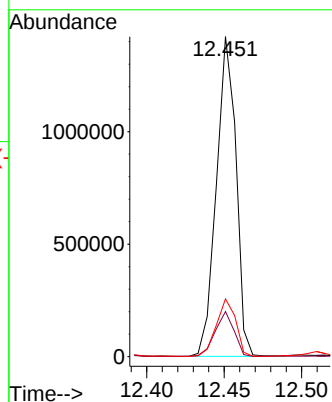
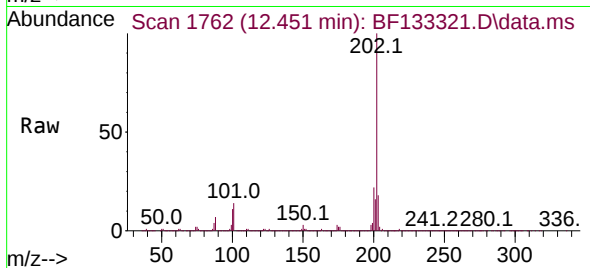
OR-3-050823

Tgt Ion:202 Resp: 1252480
Ion Ratio Lower Upper
202 100
101 14.1 0.0 35.3
203 18.1 0.0 38.1

Manual Integrations

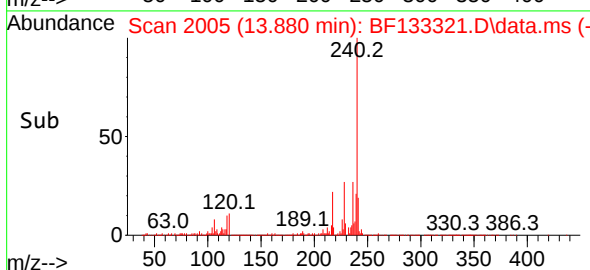
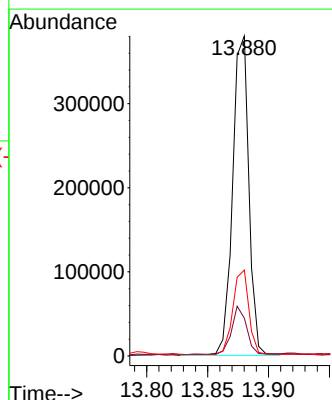
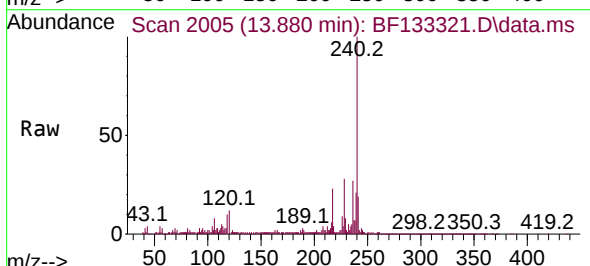
APPROVED

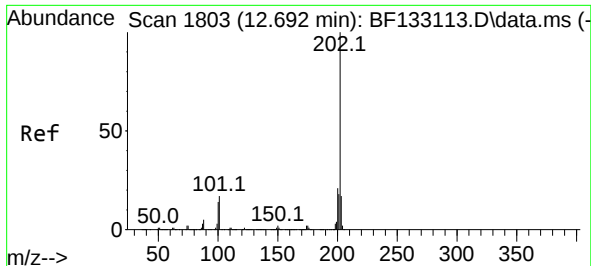
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

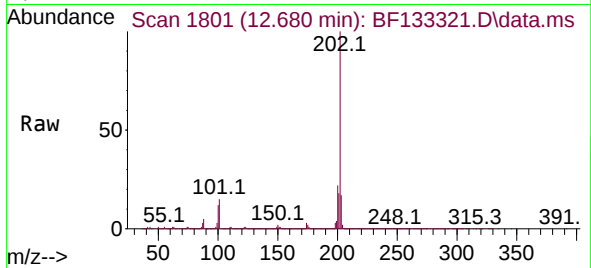
Tgt Ion:240 Resp: 352643
Ion Ratio Lower Upper
240 100
120 11.8 10.5 15.7
236 26.9 21.5 32.3





#78
Pyrene
Concen: 40.209 ng
RT: 12.680 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

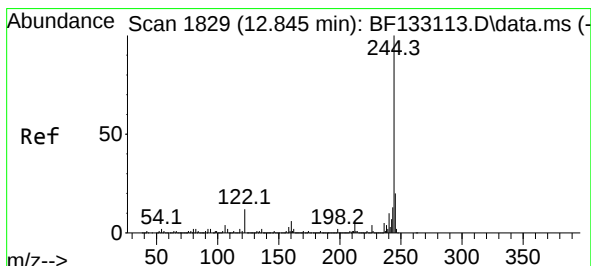
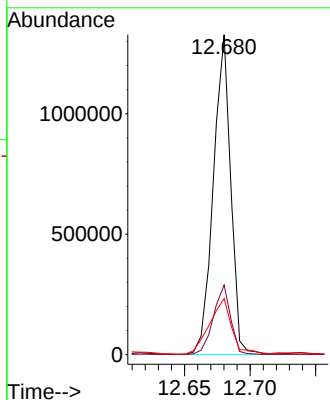
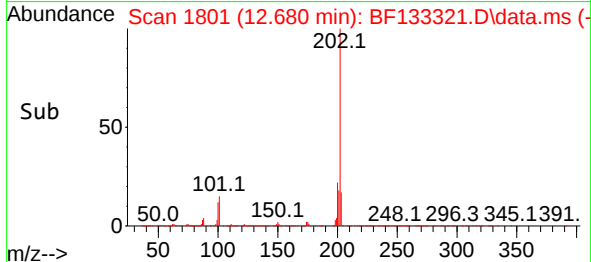
Instrument :
BNA_F
ClientSampleId :
OR-3-050823



Tgt Ion:202 Resp: 1215500
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 17.5 14.1 21.1

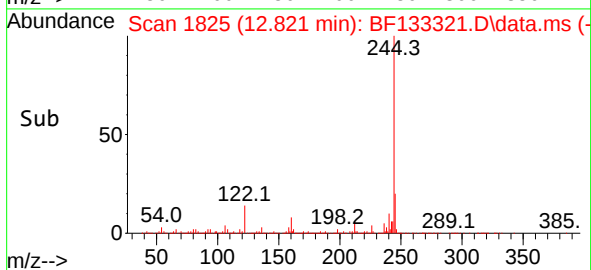
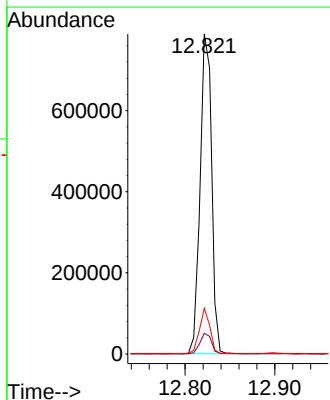
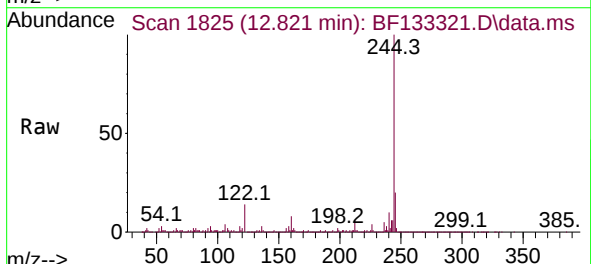
Manual Integrations
APPROVED

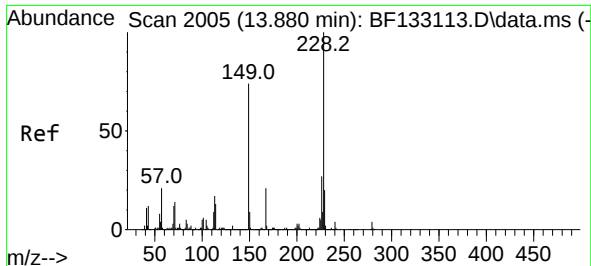
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#79
Terphenyl-d14
Concen: 34.493 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion:244 Resp: 705269
Ion Ratio Lower Upper
244 100
212 6.5 5.1 7.7
122 14.2 8.6 13.0#





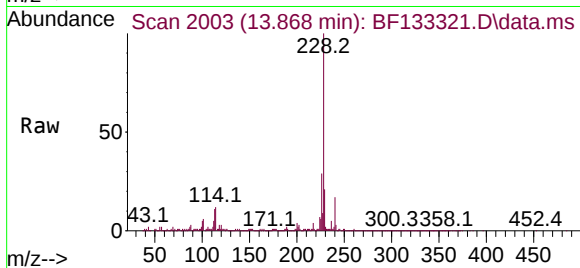
#81
Benzo(a)anthracene
Concen: 28.910 ng
RT: 13.868 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823

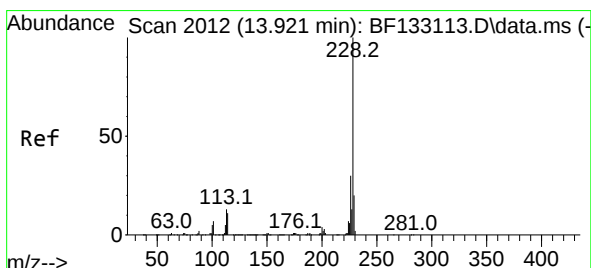
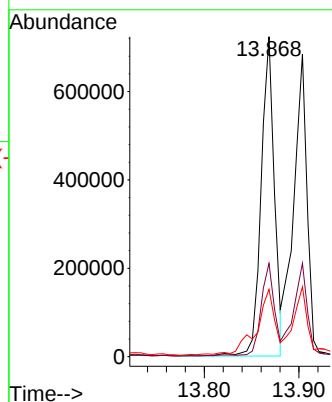
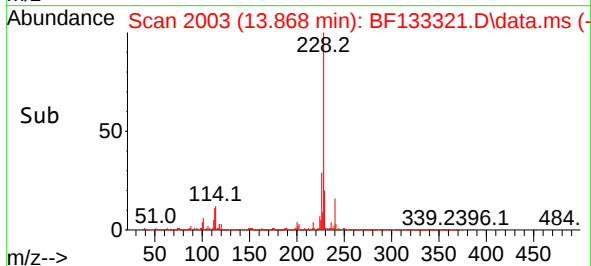


Tgt Ion:228 Resp: 701062
Ion Ratio Lower Upper
228 100
226 29.2 22.2 33.4
229 21.1 16.0 24.0

Manual Integrations

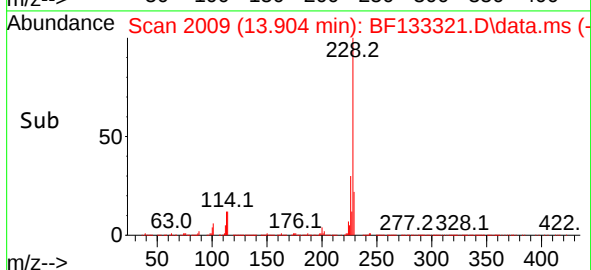
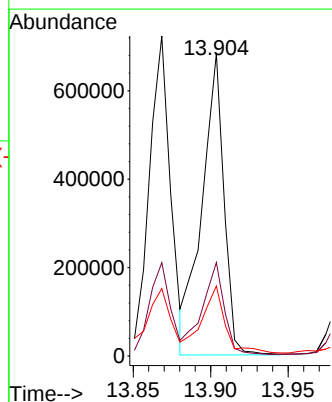
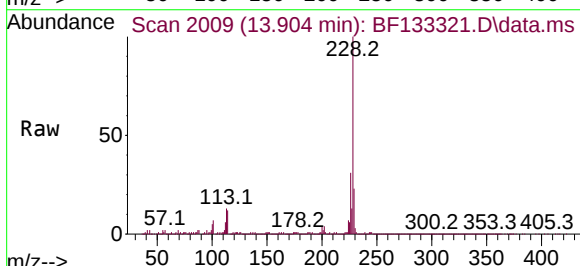
APPROVED

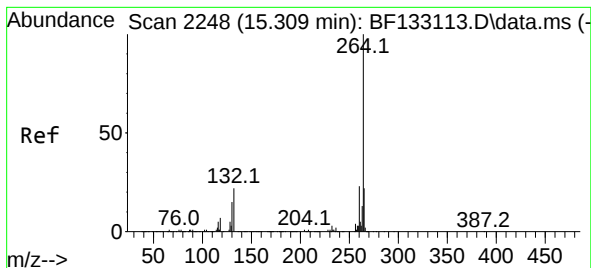
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#83
Chrysene
Concen: 27.880 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Tgt Ion:228 Resp: 675924
Ion Ratio Lower Upper
228 100
226 30.9 24.7 37.1
229 23.1 16.1 24.1





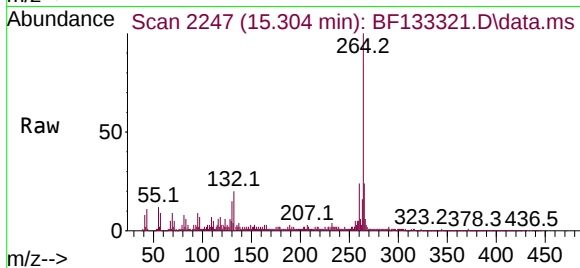
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823

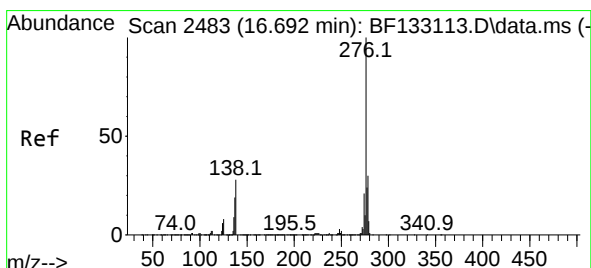
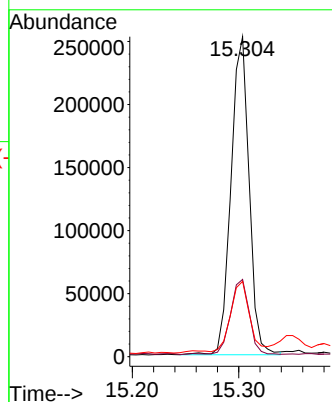
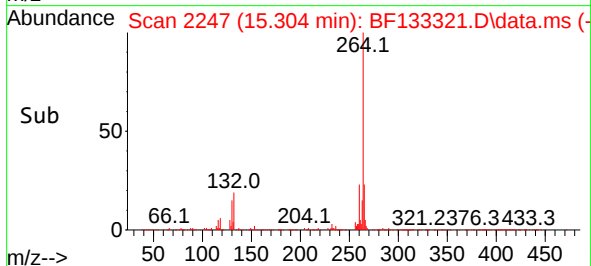


Tgt Ion:264 Resp: 298759
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 23.6 17.0 25.4

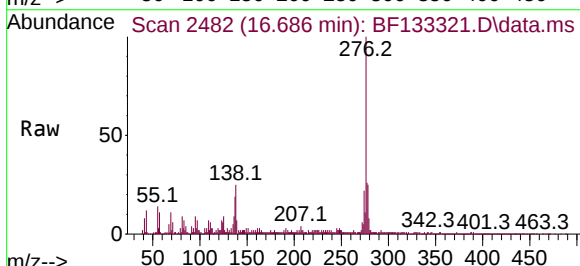
Manual Integrations

APPROVED

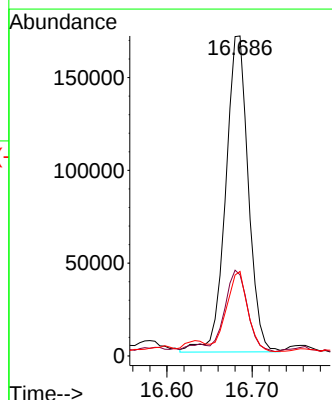
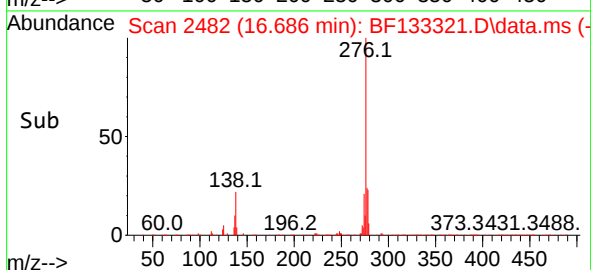
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

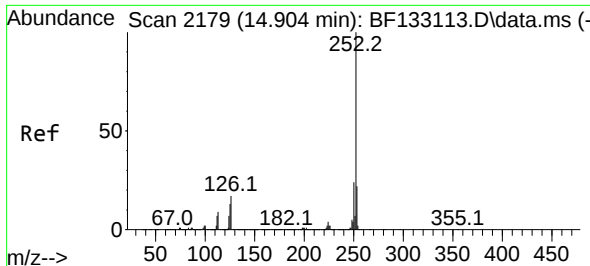


#87
Indeno(1,2,3-cd)pyrene
Concen: 18.586 ng
RT: 16.686 min Scan# 2482
Delta R.T. 0.012 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11



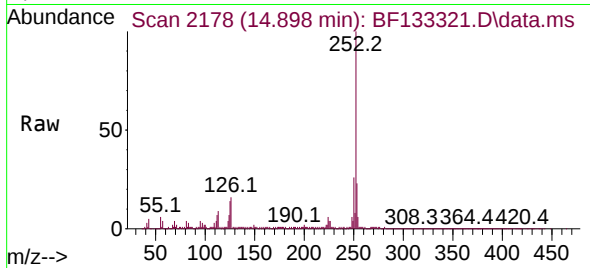
Tgt Ion:276 Resp: 315849
Ion Ratio Lower Upper
276 100
138 27.7 25.5 38.3
277 23.7 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 45.418 ng m
RT: 14.898 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11

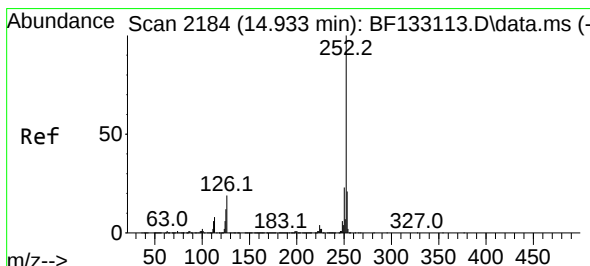
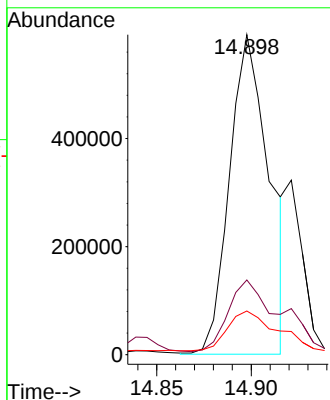
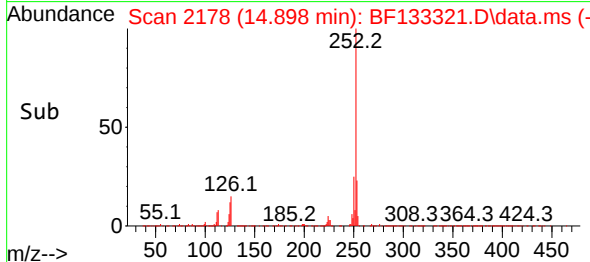
Instrument :
BNA_F
ClientSampleId :
OR-3-050823



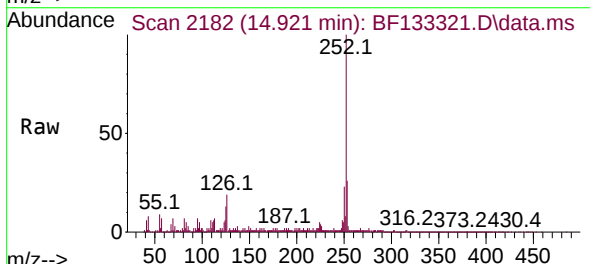
Tgt Ion:252 Resp: 863240
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 13.6 8.9 13.3

Manual Integrations
APPROVED

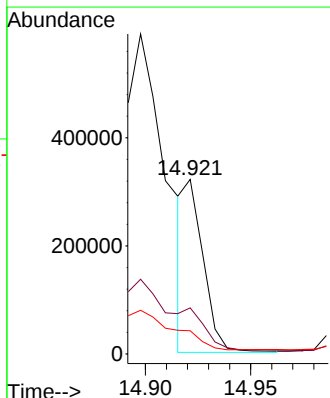
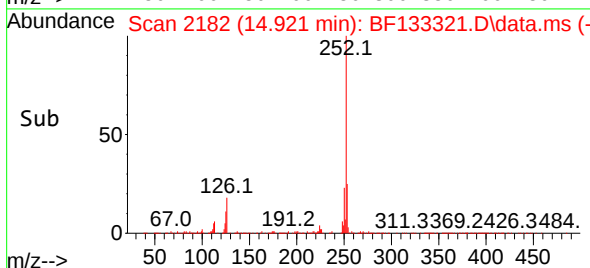
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023

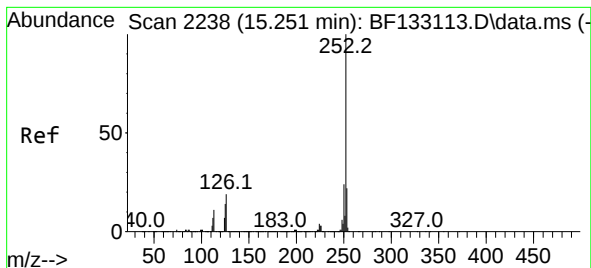


#89
Benzo(k)fluoranthene
Concen: 10.595 ng m
RT: 14.921 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BF133321.D
Acq: 09 May 2023 17:11



Tgt Ion:252 Resp: 199614
Ion Ratio Lower Upper
252 100
253 26.4 17.7 26.5
125 13.3 9.0 13.4





#90

Benzo(a)pyrene

Concen: 33.097 ng

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

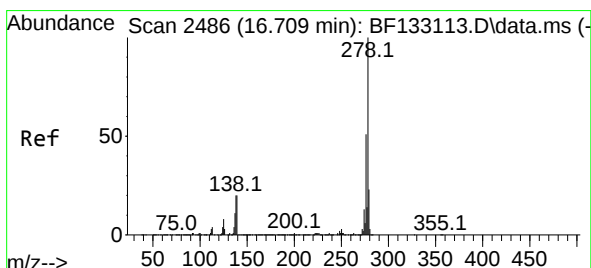
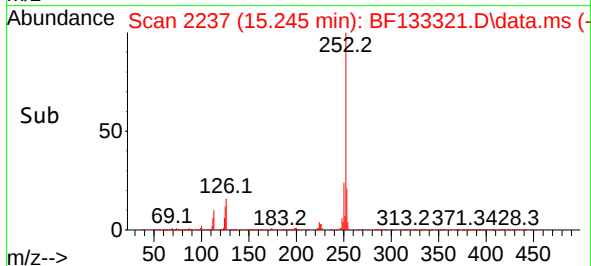
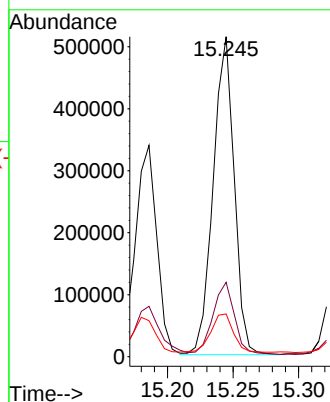
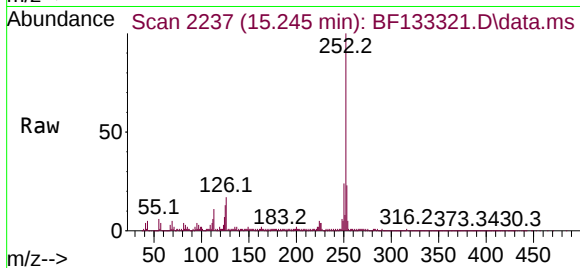
OR-3-050823

Tgt Ion:	252	Resp:	57257
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.7	26.5
125	13.4	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#91

Dibenzo(a,h)anthracene

Concen: 5.860 ng

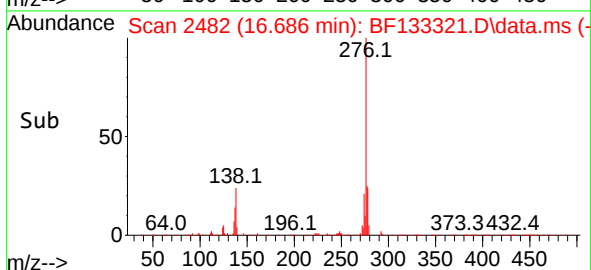
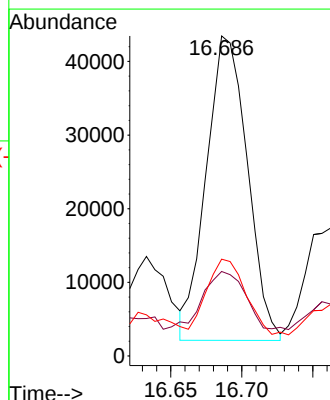
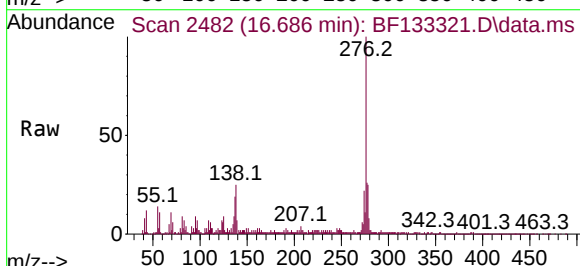
RT: 16.686 min Scan# 2482

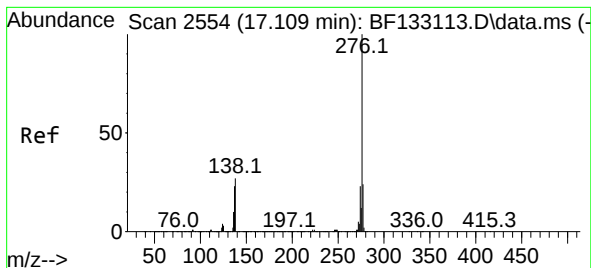
Delta R.T. -0.006 min

Lab File: BF133321.D

Acq: 09 May 2023 17:11

Tgt Ion:	278	Resp:	83055
Ion Ratio	Lower	Upper	
278	100		
139	26.4	16.6	24.8#
279	30.3	18.8	28.2#





#92

Benzo(g,h,i)perylene

Concen: 21.532 ng

RT: 17.103 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF133321.D

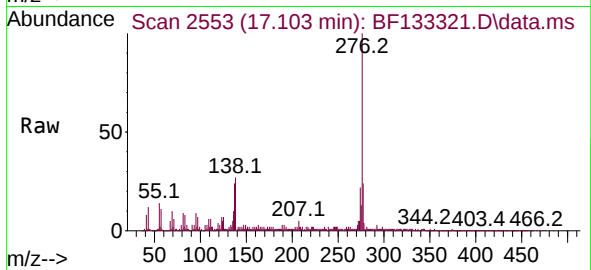
Acq: 09 May 2023 17:11

Instrument :

BNA_F

ClientSampleId :

OR-3-050823



Tgt Ion:276 Resp: 30129

Ion Ratio Lower Upper

276 100

277 24.3 19.4 29.0

138 27.0 22.7 34.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/10/2023

Supervised By :Jagrut Upadhyay 05/10/2023

