

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133212.D
 Acq On : 03 May 2023 17:45
 Operator : CG\JU
 Sample : 02588-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-A-6-9-05022023

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 05/04/2023
 Supervised By :Jagrut Upadhyay 05/04/2023

Quant Time: May 04 01:39:15 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 17:31:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	193391	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	806298	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	417433	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	675687	20.000	ng	0.00
76) Chrysene-d12	13.880	240	368992	20.000	ng	-0.01
86) Perylene-d12	15.304	264	437982	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1587840	124.029	ng	0.00
7) Phenol-d6	6.375	99	1907823	120.063	ng	0.00
23) Nitrobenzene-d5	7.298	82	1174595	78.632	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	257325	61.296	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1874152	75.113	ng	0.00
79) Terphenyl-d14	12.833	244	1541654	72.057	ng	0.00
Target Compounds						
						Qvalue
20) 3+4-Methylphenols	7.139	107	80910	5.772	ng	# 56
71) Phenanthrene	11.269	178	76563	2.108	ng	99
75) Fluoranthene	12.457	202	122587	3.363	ng	96
78) Pyrene	12.680	202	105244	3.327	ng	99
88) Benzo(b)fluoranthene	14.898	252	73218m	2.628	ng	

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

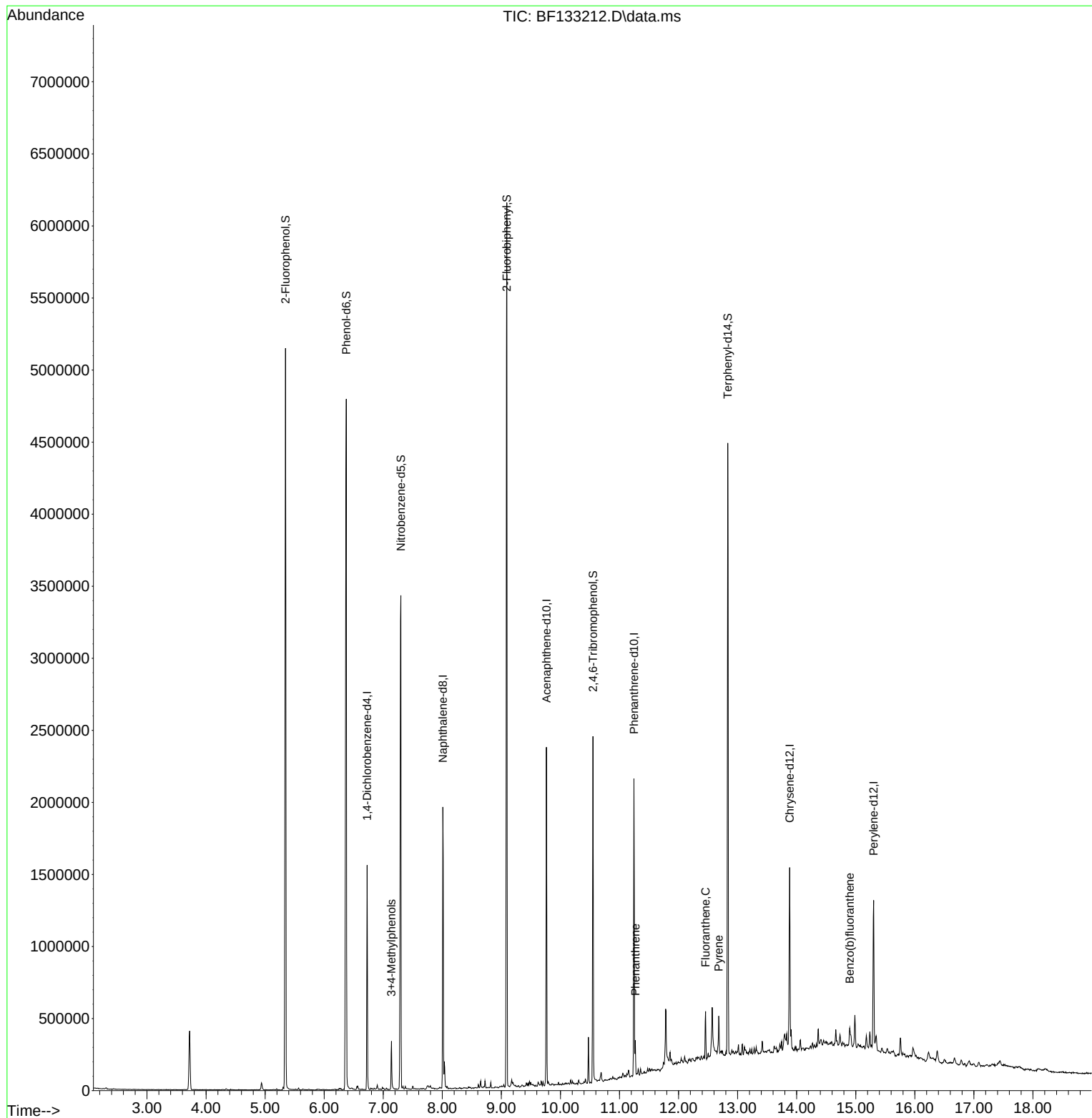
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
Data File : BF133212.D
Acq On : 03 May 2023 17:45
Operator : CG\JU
Sample : 02588-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

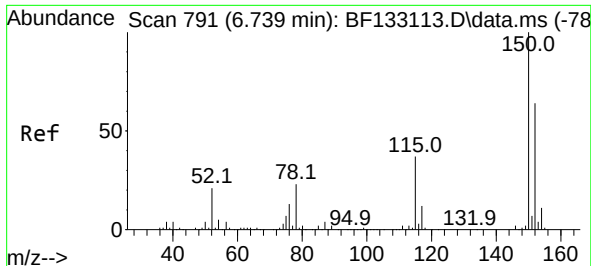
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023

Quant Time: May 04 01:39:15 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 17:31:52 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

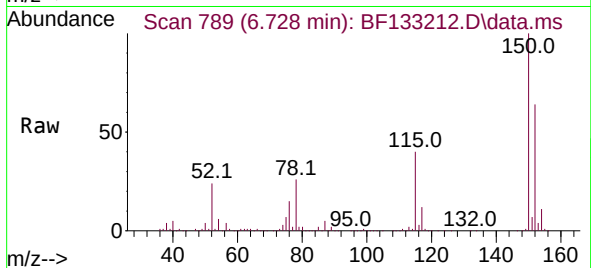
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

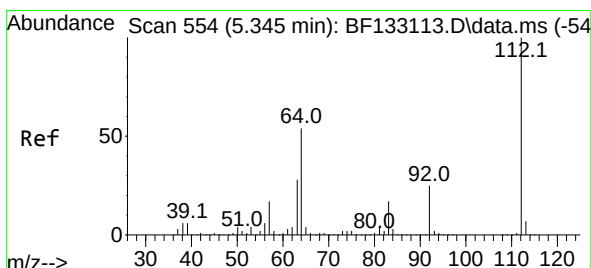
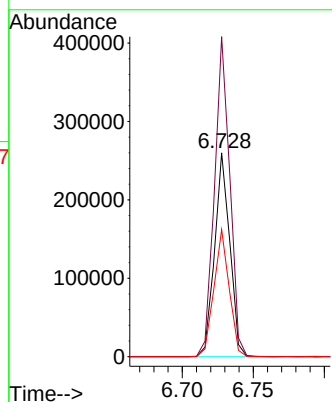
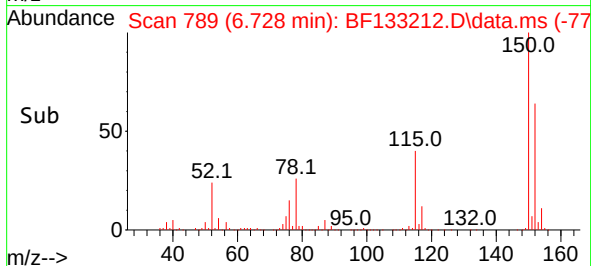
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023



Tgt Ion:152 Resp: 19339
Ion Ratio Lower Upper
152 100
150 156.9 124.8 187.2
115 62.4 49.9 74.9

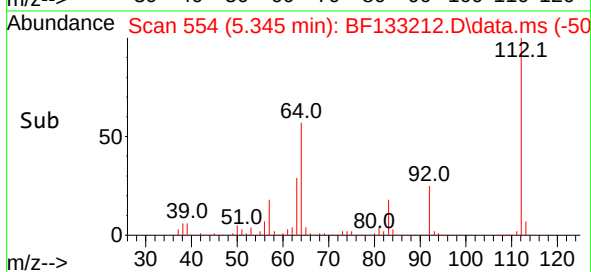
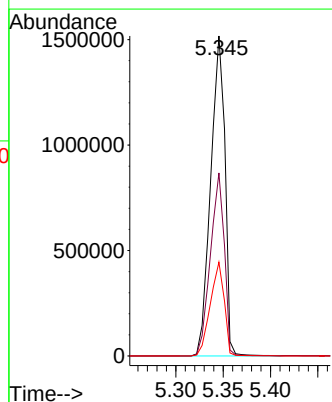
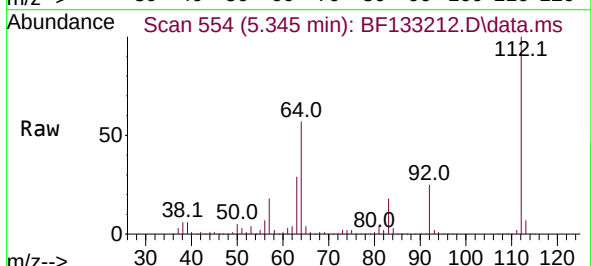
Manual Integrations
APPROVED

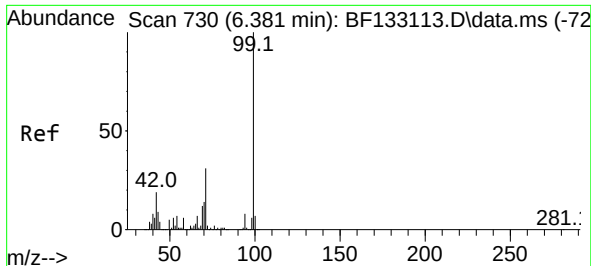
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#5
2-Fluorophenol
Concen: 124.029 ng
RT: 5.345 min Scan# 554
Delta R.T. 0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

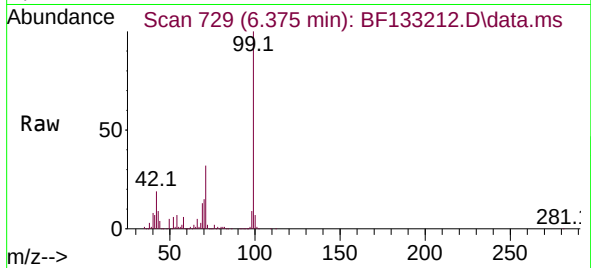
Tgt Ion:112 Resp: 1587840
Ion Ratio Lower Upper
112 100
64 57.2 46.8 70.2
63 29.3 23.8 35.8





#7
Phenol-d6
Concen: 120.063 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

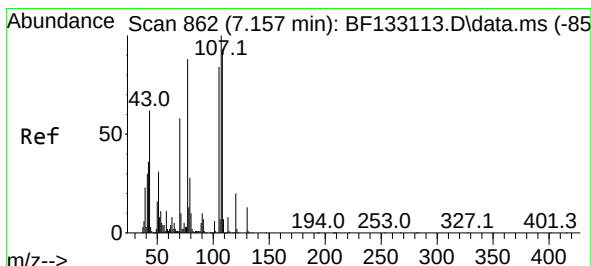
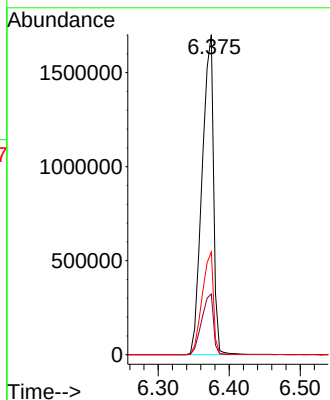
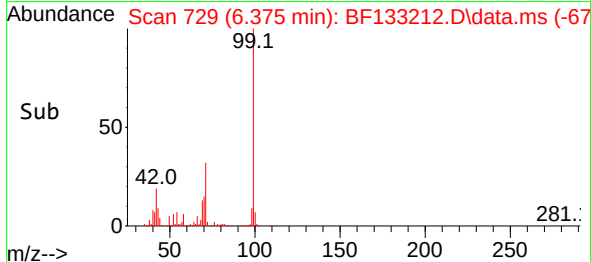
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023



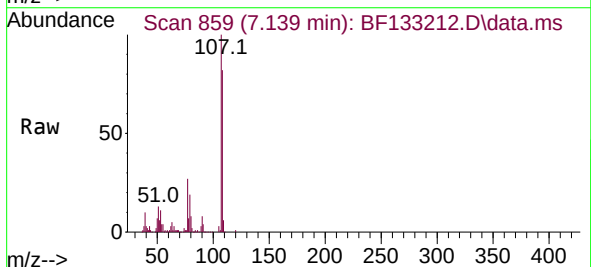
Tgt Ion: 99 Resp: 190782
Ion Ratio Lower Upper
99 100
42 19.0 16.3 24.5
71 32.1 25.6 38.4

Manual Integrations
APPROVED

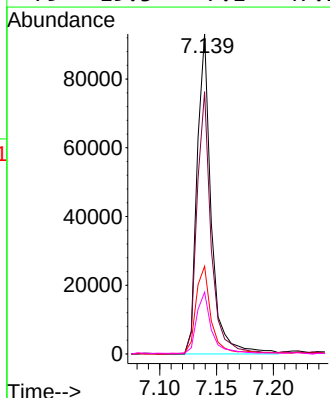
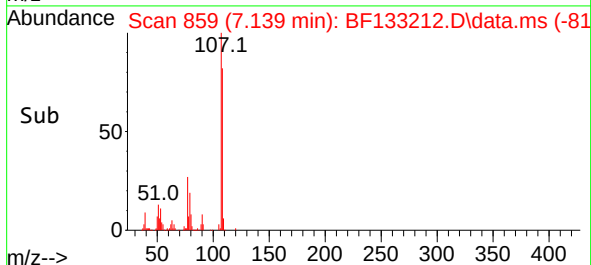
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

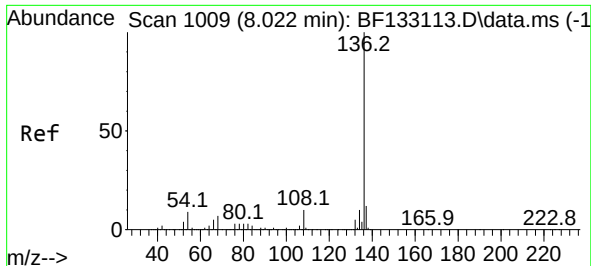


#20
3+4-Methylphenols
Concen: 5.772 ng
RT: 7.139 min Scan# 859
Delta R.T. -0.012 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45



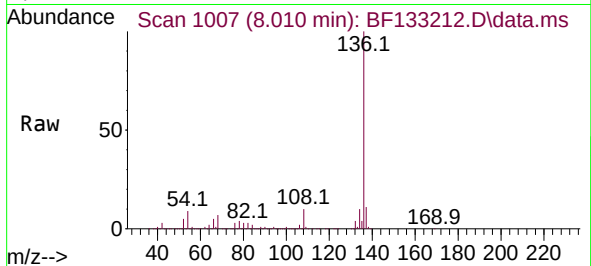
Tgt Ion:107 Resp: 80910
Ion Ratio Lower Upper
107 100
108 82.0 70.5 110.5
77 27.4 91.7 131.7#
79 19.3 7.1 47.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

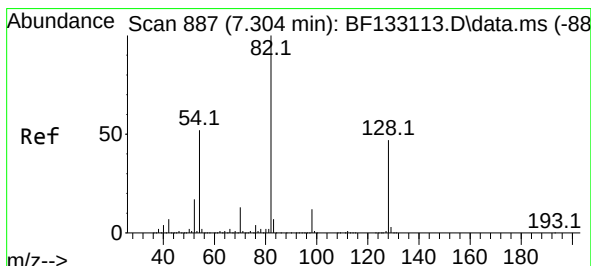
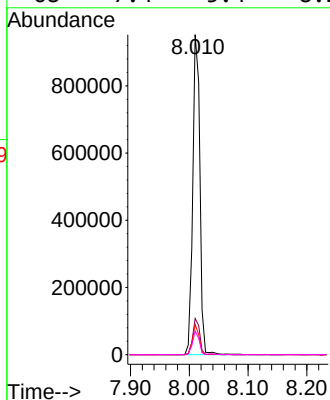
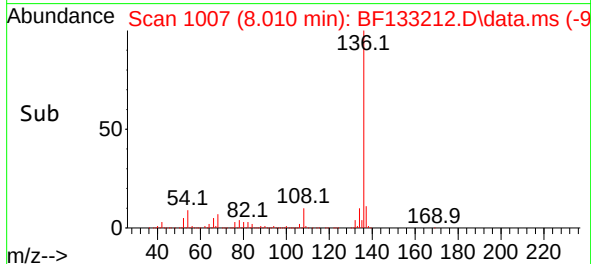
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023



Tgt Ion:136 Resp: 806298
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.4 7.0 10.4
68 7.4 5.4 8.2

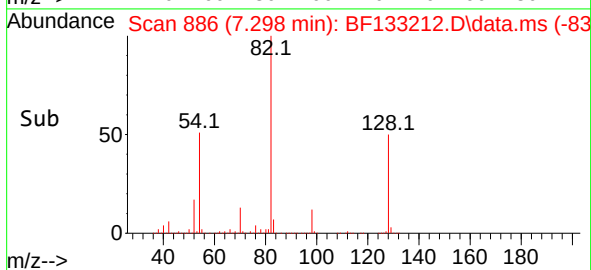
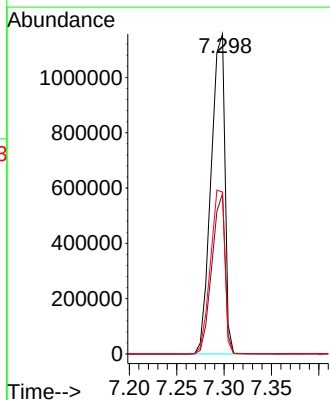
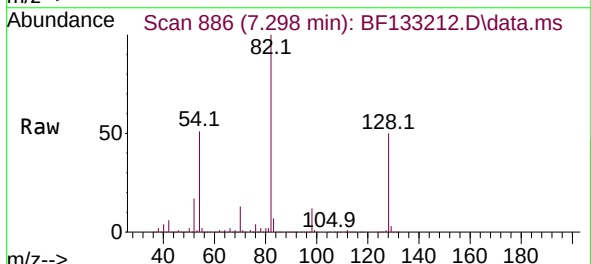
Manual Integrations
APPROVED

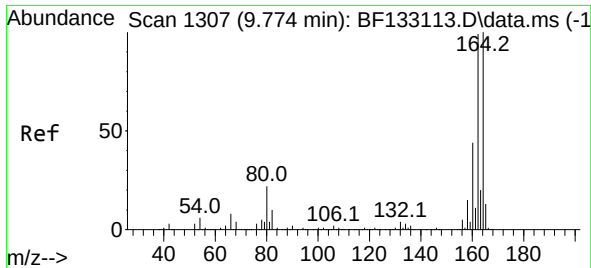
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#23
Nitrobenzene-d5
Concen: 78.632 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.000 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

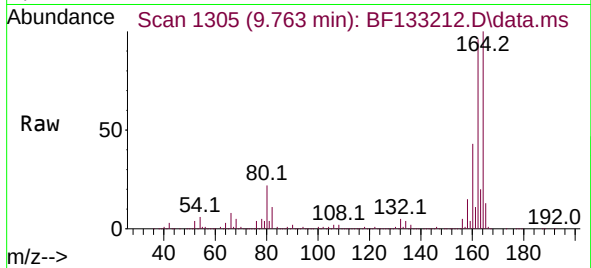
Tgt Ion: 82 Resp: 1174595
Ion Ratio Lower Upper
82 100
128 50.2 37.7 56.5
54 50.6 43.0 64.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

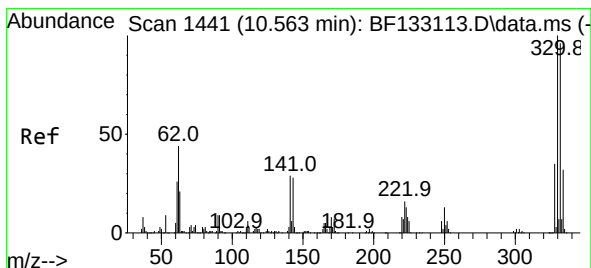
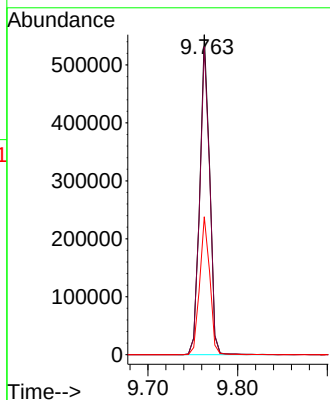
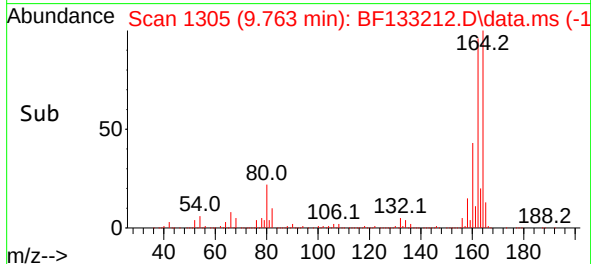
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023



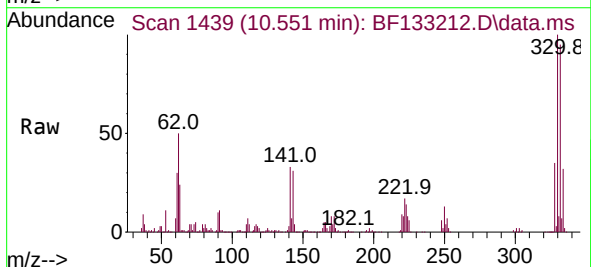
Tgt Ion:164 Resp: 41743
Ion Ratio Lower Upper
164 100
162 96.3 78.7 118.1
160 43.1 35.8 53.6

Manual Integrations
APPROVED

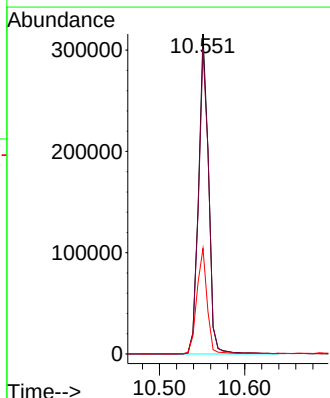
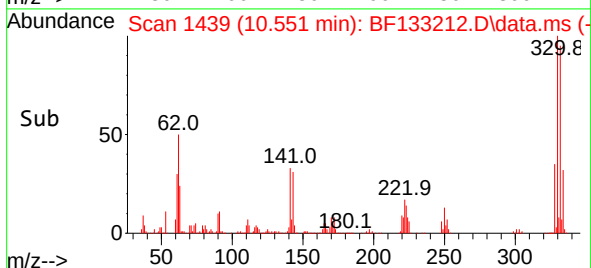
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

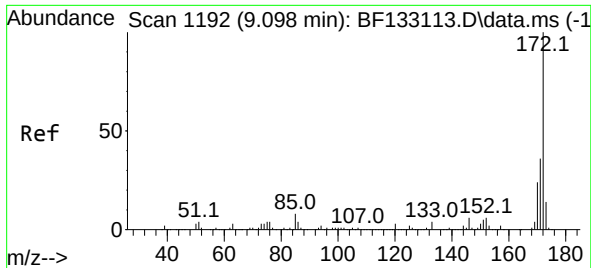


#42
2,4,6-Tribromophenol
Concen: 61.296 ng
RT: 10.551 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45



Tgt Ion:330 Resp: 257325
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 33.6 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 75.113 ng

RT: 9.092 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

ZONE-A-6-9-05022023

Tgt Ion:172 Resp: 187415

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

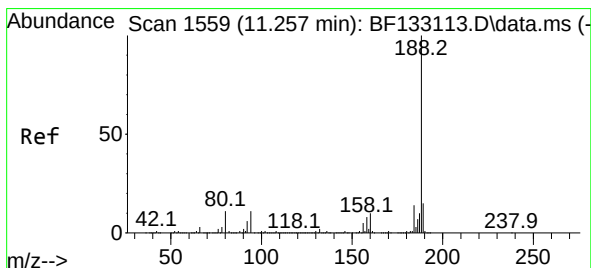
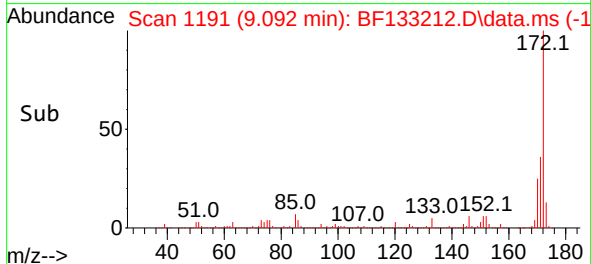
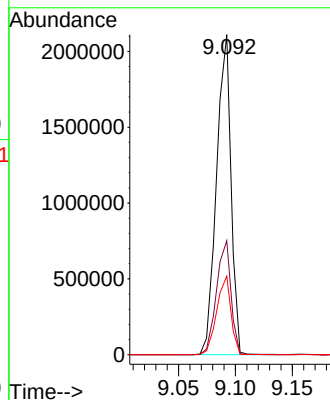
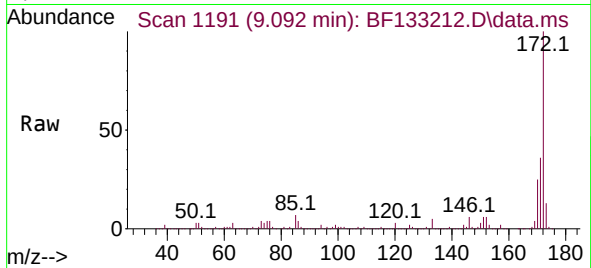
170 24.6 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1557

Delta R.T. -0.006 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

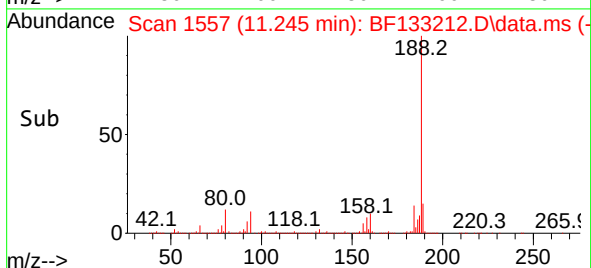
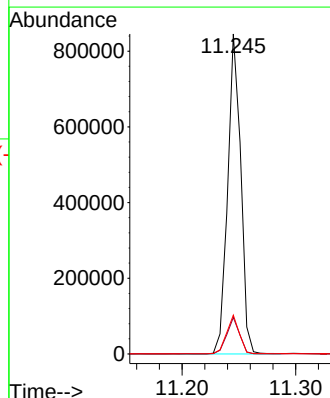
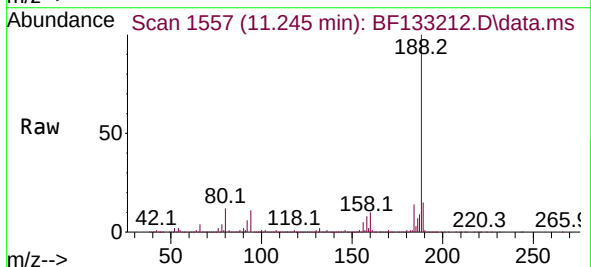
Tgt Ion:188 Resp: 675687

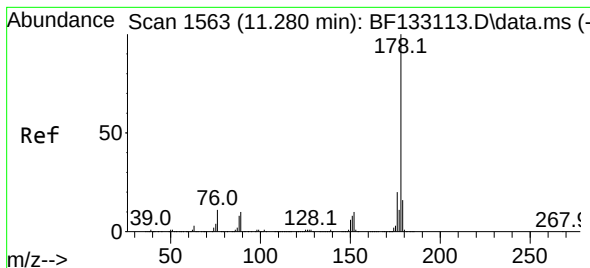
Ion Ratio Lower Upper

188 100

94 11.4 9.7 14.5

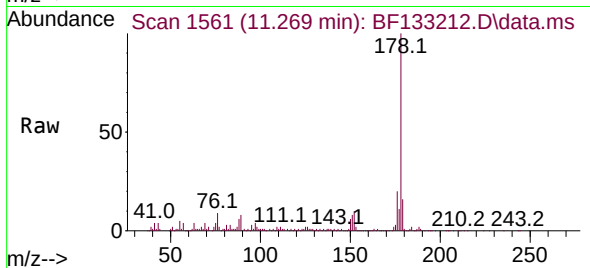
80 12.1 10.4 15.6





#71
Phenanthrene
Concen: 2.108 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

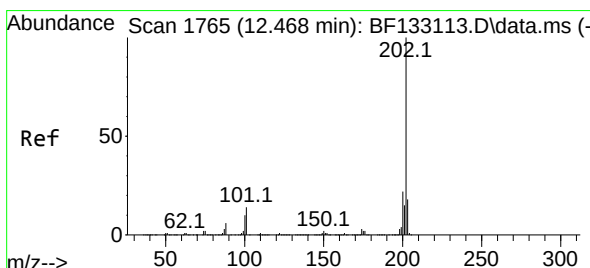
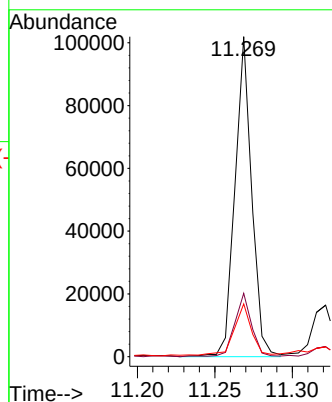
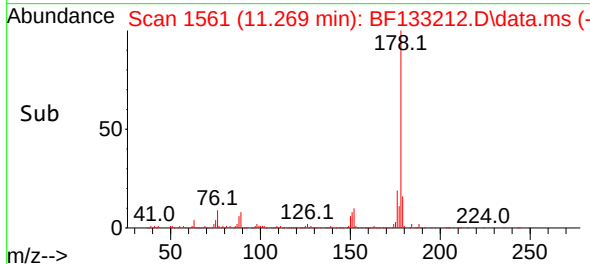
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023



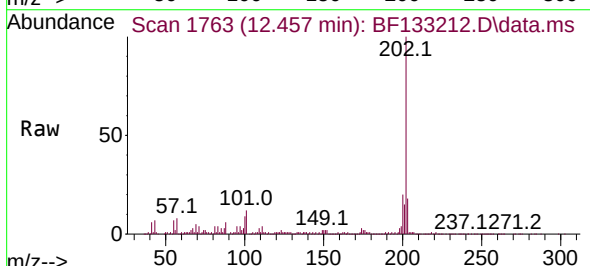
Tgt Ion:178 Resp: 7656
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 16.5 12.5 18.7

Manual Integrations
APPROVED

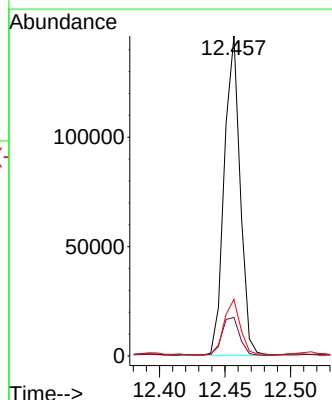
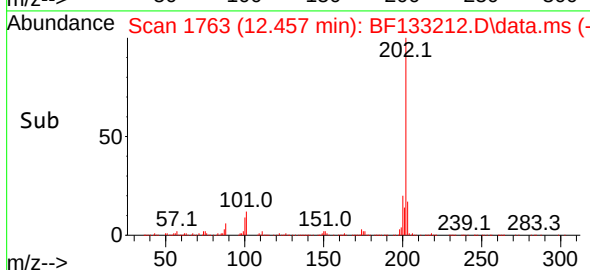
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023

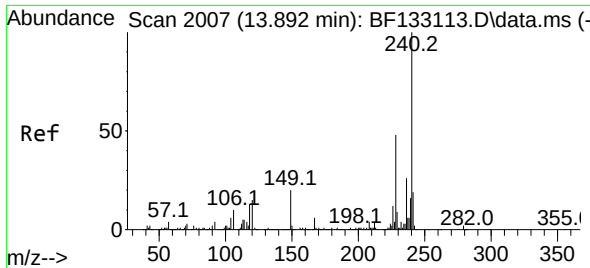


#75
Fluoranthene
Concen: 3.363 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45



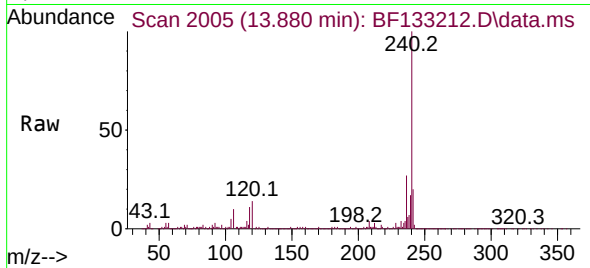
Tgt Ion:202 Resp: 122587
Ion Ratio Lower Upper
202 100
101 12.1 0.0 35.3
203 17.7 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2007
Delta R.T. -0.012 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

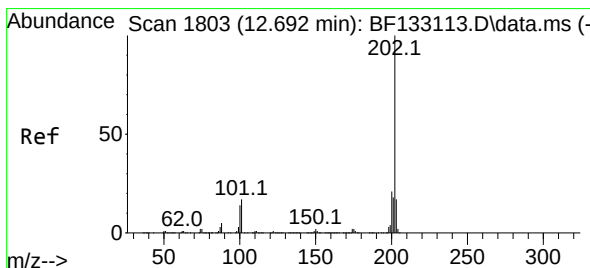
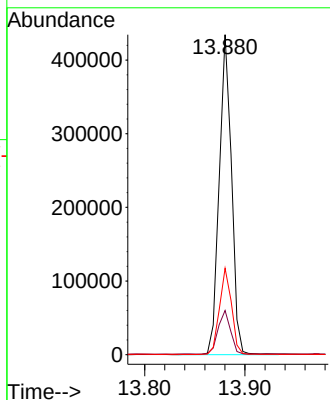
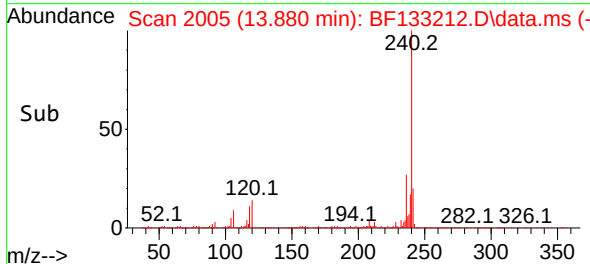
Instrument :
BNA_F
ClientSampleId :
ZONE-A-6-9-05022023



Tgt Ion:240 Resp: 368992
Ion Ratio Lower Upper
240 100
120 13.8 10.5 15.7
236 27.0 21.5 32.3

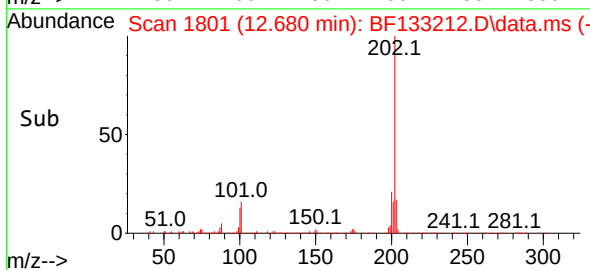
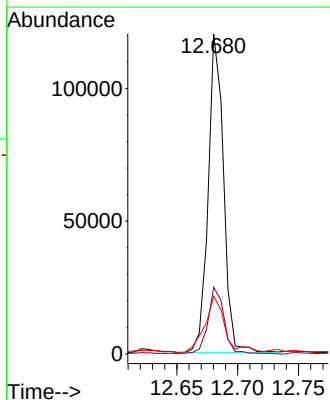
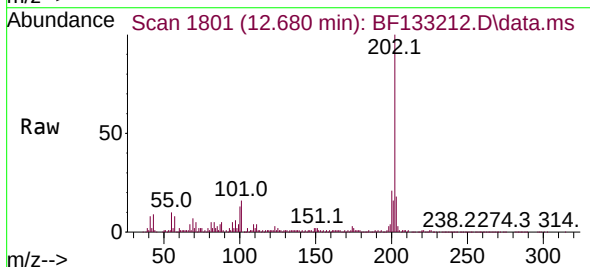
Manual Integrations
APPROVED

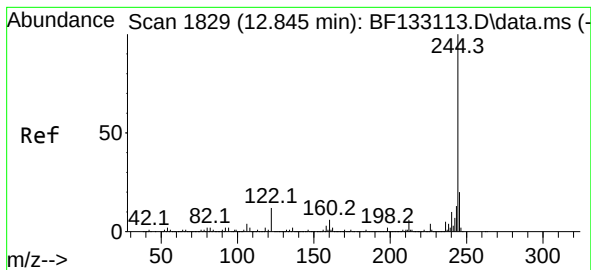
Reviewed By :Christian Giraldo 05/04/2023
Supervised By :Jagrut Upadhyay 05/04/2023



#78
Pyrene
Concen: 3.327 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BF133212.D
Acq: 03 May 2023 17:45

Tgt Ion:202 Resp: 105244
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 18.0 14.1 21.1





#79

Terphenyl-d14

Concen: 72.057 ng

RT: 12.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

ZONE-A-6-9-05022023

Tgt Ion:244 Resp: 1541654

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

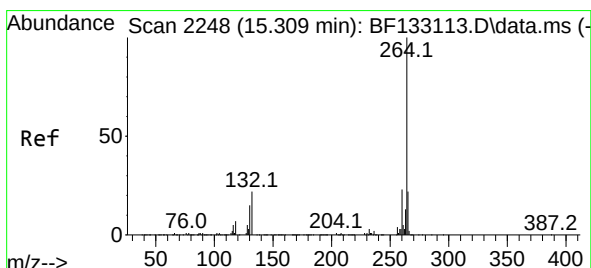
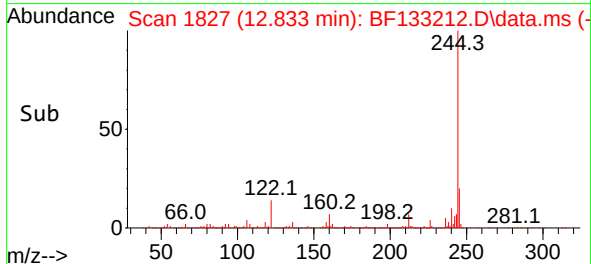
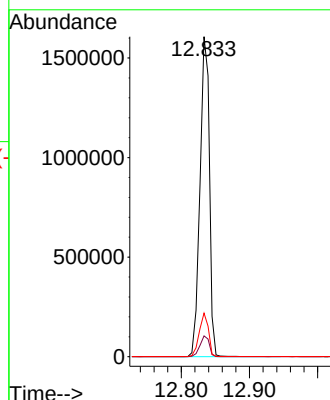
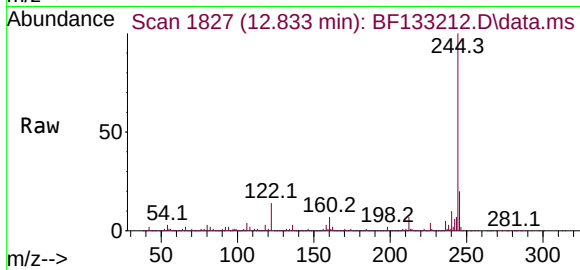
122 13.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. -0.000 min

Lab File: BF133212.D

Acq: 03 May 2023 17:45

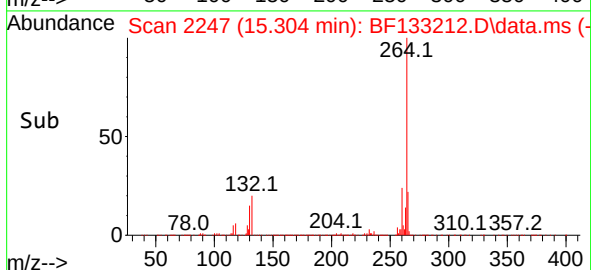
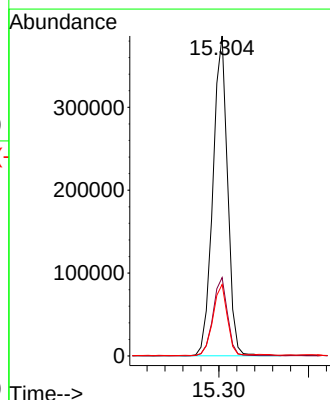
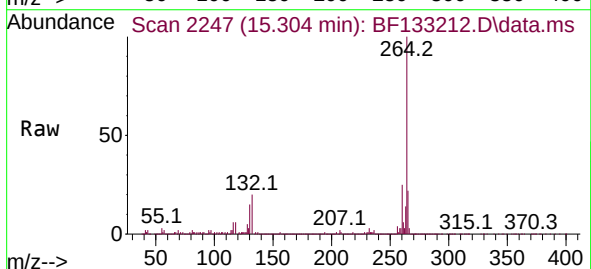
Tgt Ion:264 Resp: 437982

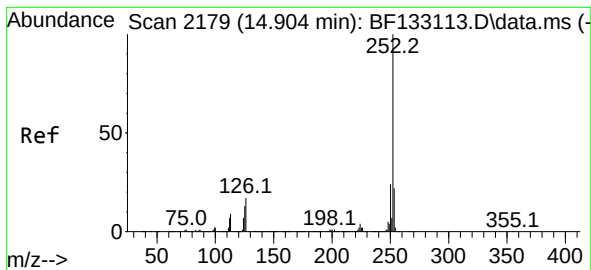
Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 22.3 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.628 ng m

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133212.D

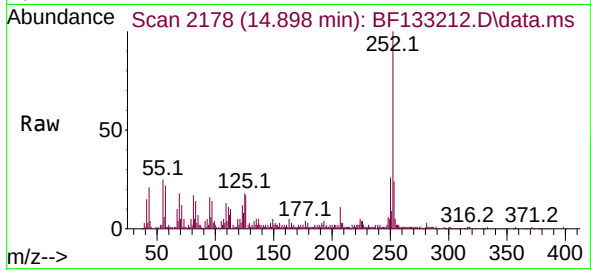
Acq: 03 May 2023 17:45

Instrument :

BNA_F

ClientSampleId :

ZONE-A-6-9-05022023



Tgt Ion:252 Resp: 73218

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 17.9 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/04/2023

Supervised By :Jagrut Upadhyay 05/04/2023

