

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133245.D
 Acq On : 04 May 2023 22:39
 Operator : CG\JU
 Sample : 02588-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: May 05 05:33:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	205971	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	829610	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	428829	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	742772	20.000	ng	0.00
76) Chrysene-d12	13.874	240	372466	20.000	ng	-0.01
86) Perylene-d12	15.292	264	417443	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1039533	76.240	ng	0.00
7) Phenol-d6	6.363	99	1271804	75.149	ng	-0.01
23) Nitrobenzene-d5	7.286	82	760836	49.502	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	308799	71.602	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1294988	50.522	ng	0.00
79) Terphenyl-d14	12.827	244	1143725	52.959	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	271995	6.813	ng	98
72) Anthracene	11.316	178	85578	2.095	ng	98
75) Fluoranthene	12.451	202	312260	7.794	ng	97
78) Pyrene	12.680	202	238348	7.465	ng	99
81) Benzo(a)anthracene	13.862	228	94471m	3.688	ng	
83) Chrysene	13.898	228	82132	3.207	ng	97
88) Benzo(b)fluoranthene	14.886	252	101802m	3.833	ng	
90) Benzo(a)pyrene	15.227	252	79702	3.297	ng	98

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

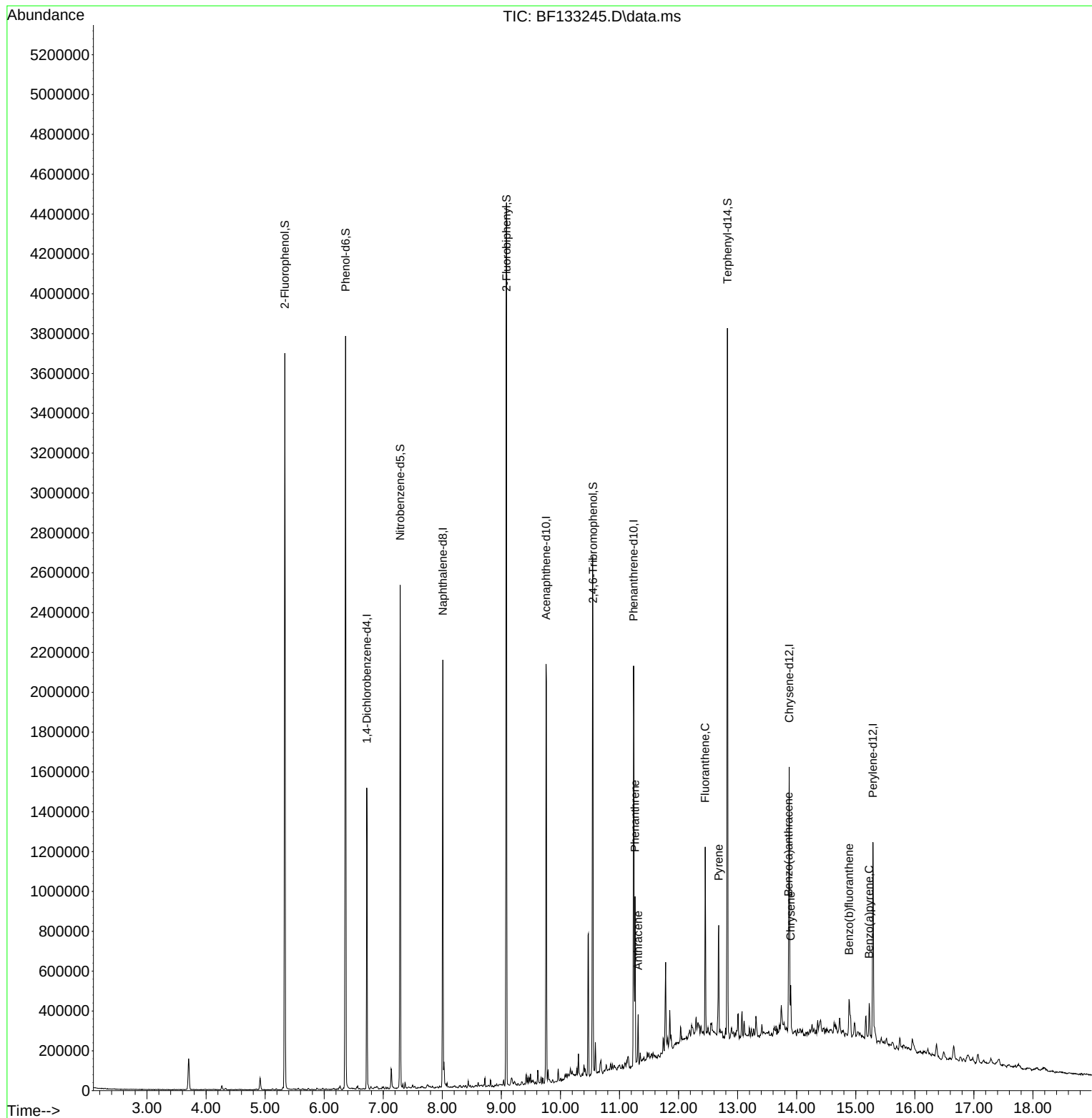
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133245.D
Acq On : 04 May 2023 22:39
Operator : CG\JU
Sample : 02588-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

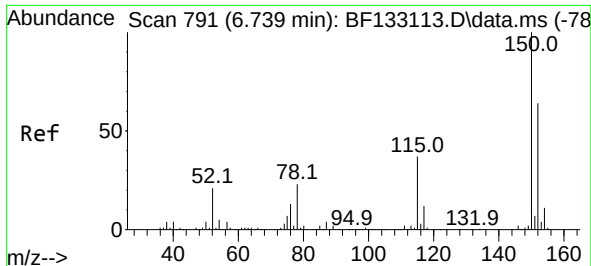
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023

Quant Time: May 05 05:33:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 04 12:22:53 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

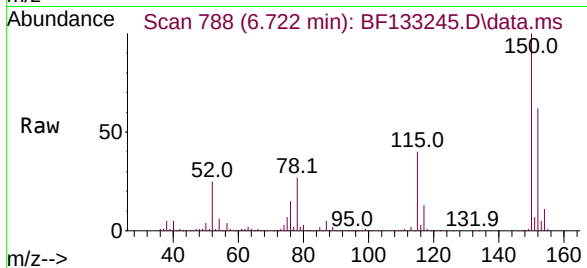
Reviewed By : Christian Giraldo 05/05/2023
Supervised By : Jagrut Upadhyay 05/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

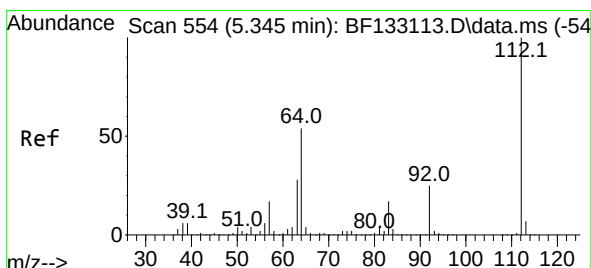
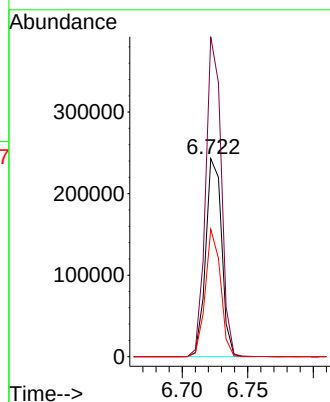
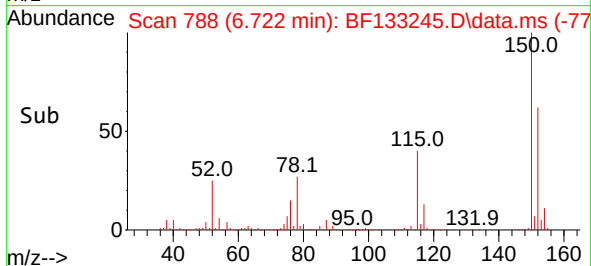
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023



Tgt Ion:152 Resp: 20597
Ion Ratio Lower Upper
152 100
150 161.5 124.8 187.2
115 64.4 49.9 74.9

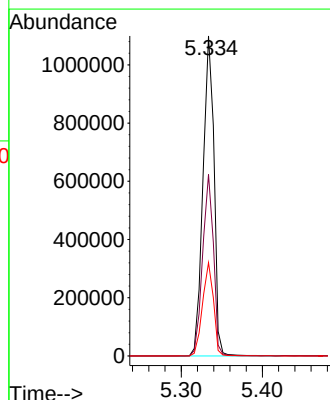
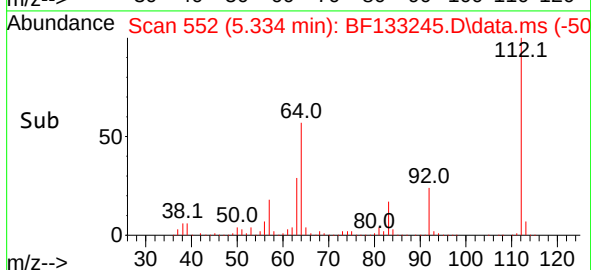
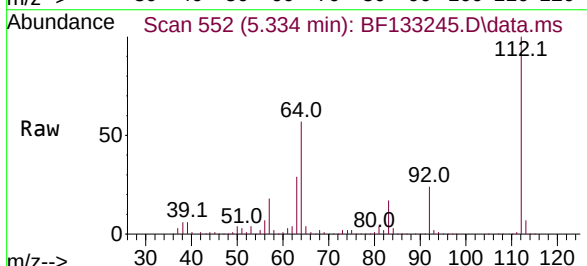
Manual Integrations
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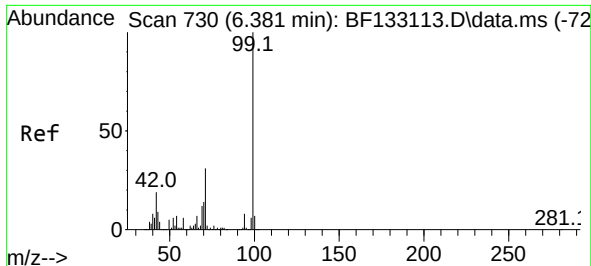
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#5
2-Fluorophenol
Concen: 76.240 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.000 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

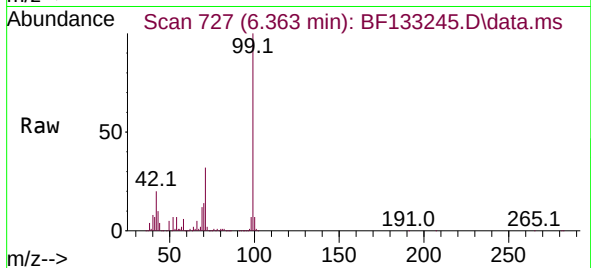
Tgt Ion:112 Resp: 1039533
Ion Ratio Lower Upper
112 100
64 56.7 46.8 70.2
63 29.1 23.8 35.8





#7
Phenol-d6
Concen: 75.149 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

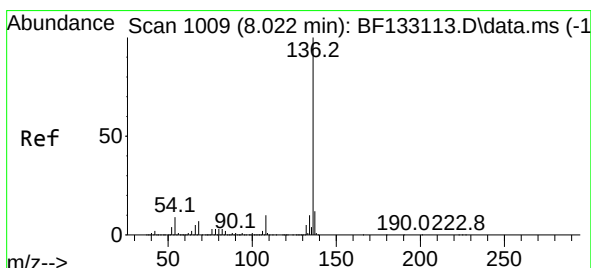
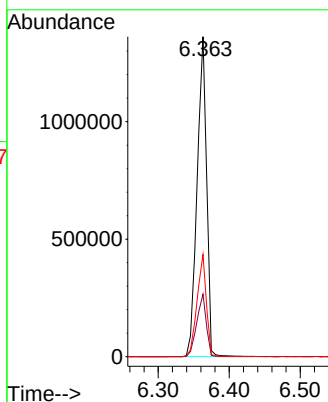
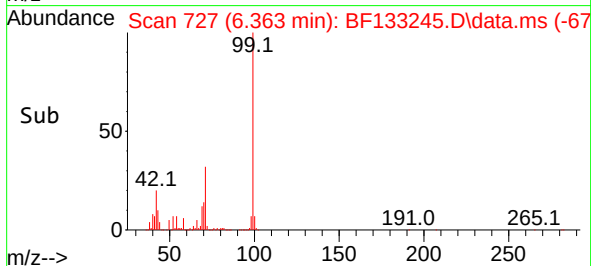
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023



Tgt Ion: 99 Resp: 1271804
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 32.0 25.6 38.4

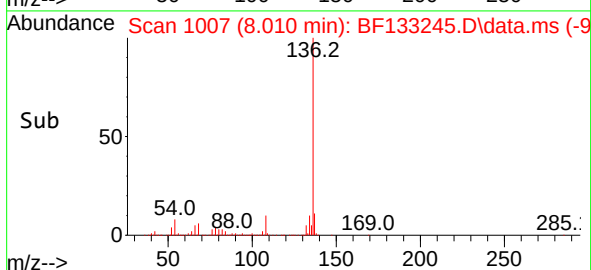
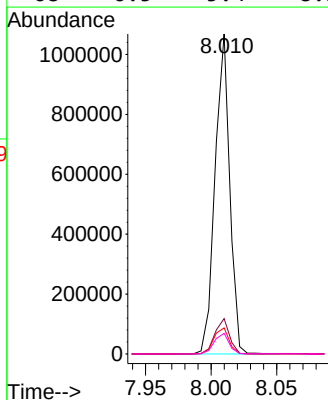
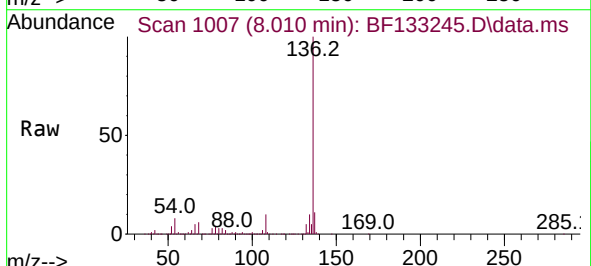
Manual Integrations
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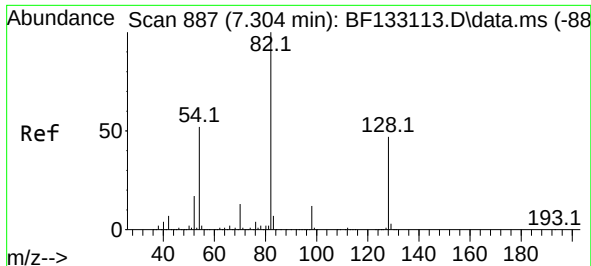
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

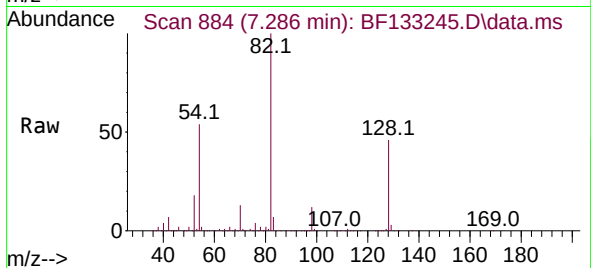
Tgt Ion:136 Resp: 829610
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.2 7.0 10.4
68 6.5 5.4 8.2





#23
Nitrobenzene-d5
Concen: 49.502 ng
RT: 7.286 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

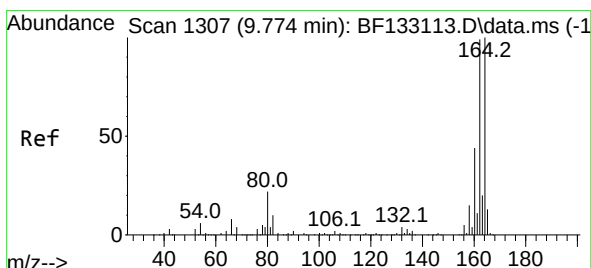
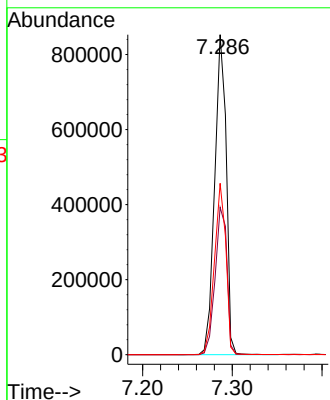
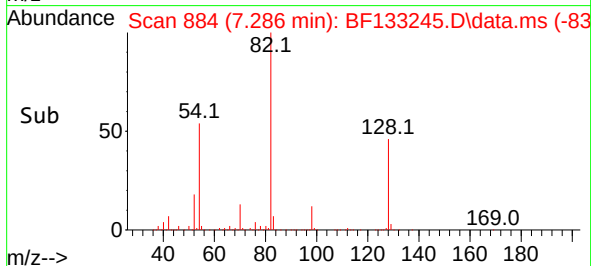
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023



Tgt Ion: 82 Resp: 760830
Ion Ratio Lower Upper
82 100
128 46.1 37.7 56.5
54 53.5 43.0 64.4

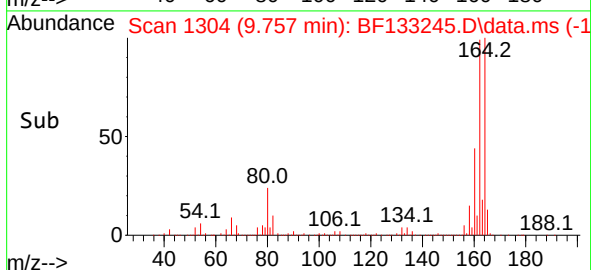
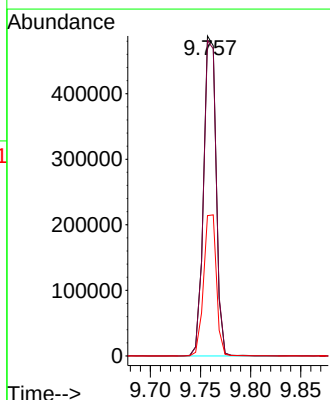
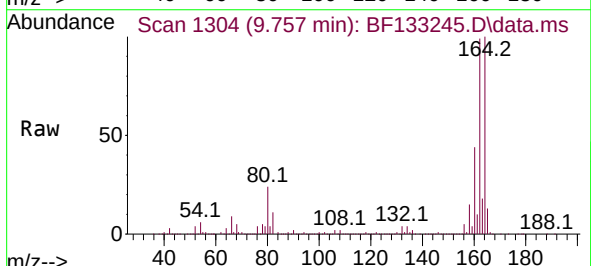
Manual Integrations
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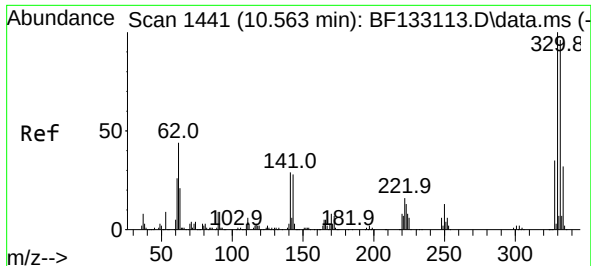
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

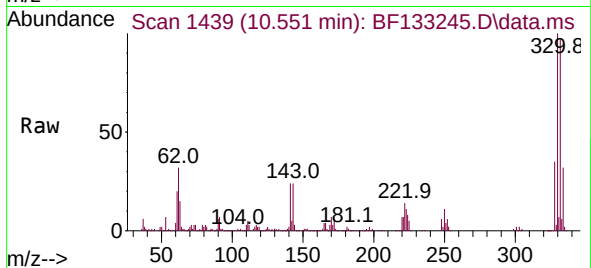
Tgt Ion:164 Resp: 428829
Ion Ratio Lower Upper
164 100
162 98.6 78.7 118.1
160 43.8 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 71.602 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

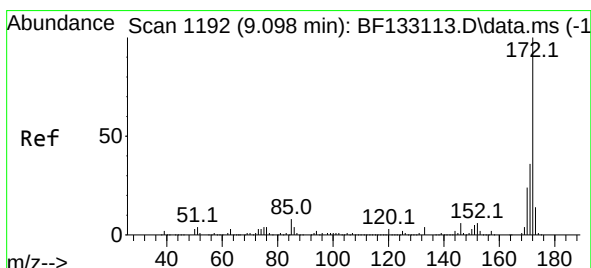
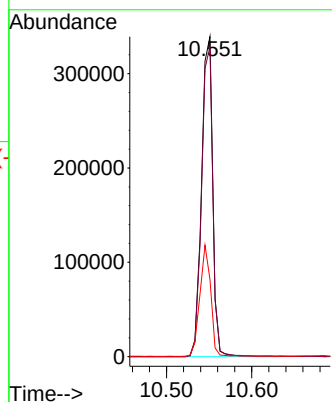
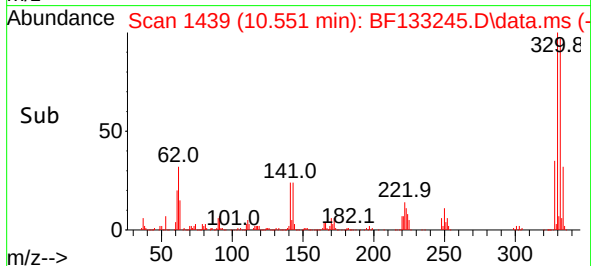
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023



Tgt Ion: 330 Resp: 308799
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 34.0 25.8 38.8

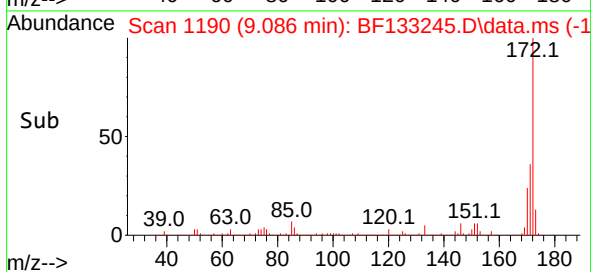
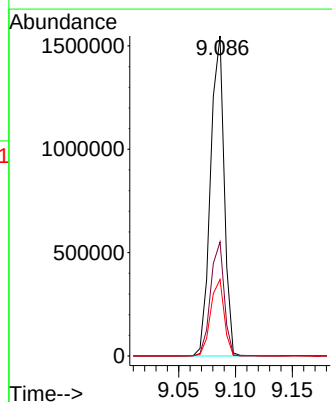
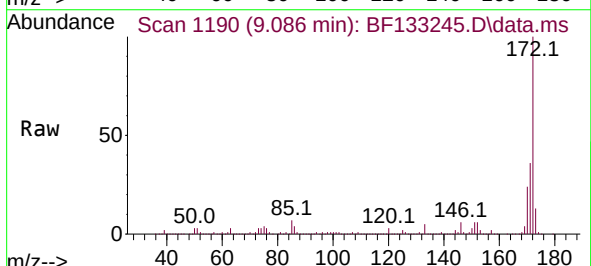
Manual Integrations
APPROVED

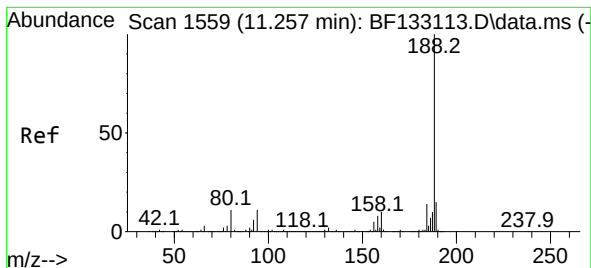
Reviewed By : Christian Giraldo 05/05/2023
Supervised By : Jagrut Upadhyay 05/05/2023



#45
2-Fluorobiphenyl
Concen: 50.522 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

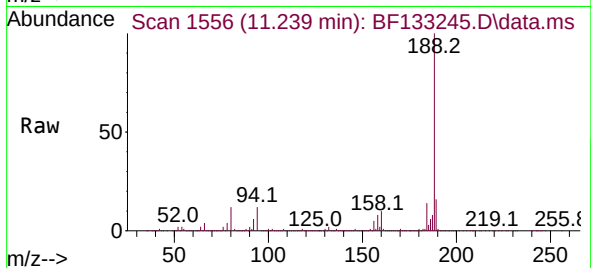
Tgt Ion: 172 Resp: 1294988
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.9 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

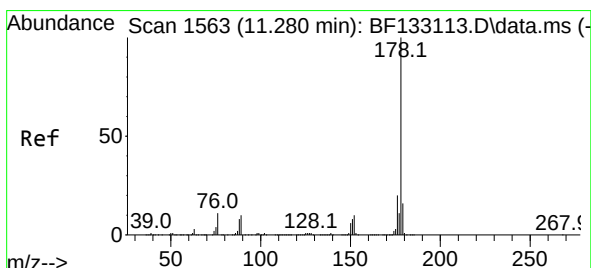
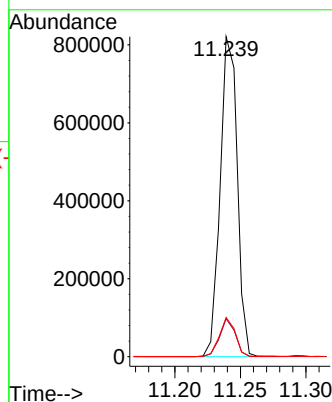
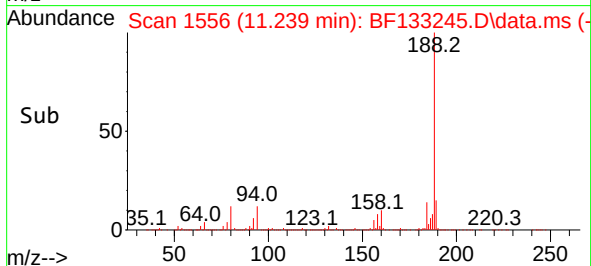
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023



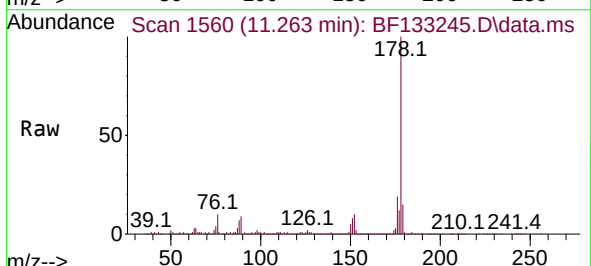
Tgt Ion:188 Resp: 742772
Ion Ratio Lower Upper
188 100
94 11.9 9.7 14.5
80 12.2 10.4 15.6

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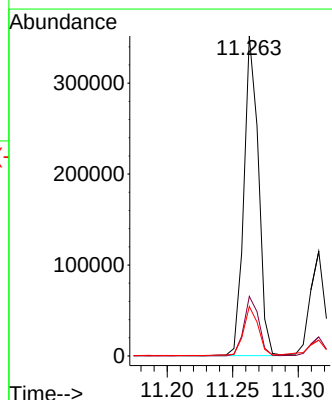
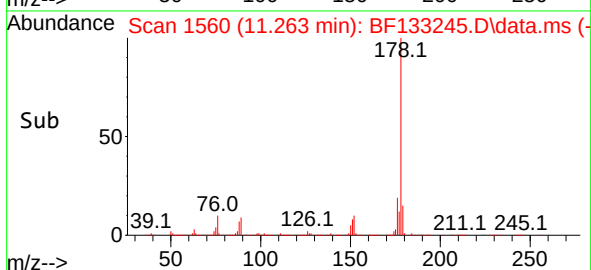
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023

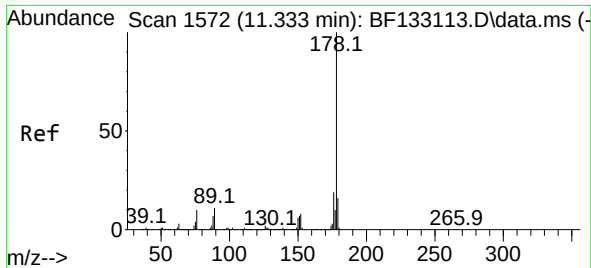


#71
Phenanthrene
Concen: 6.813 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39



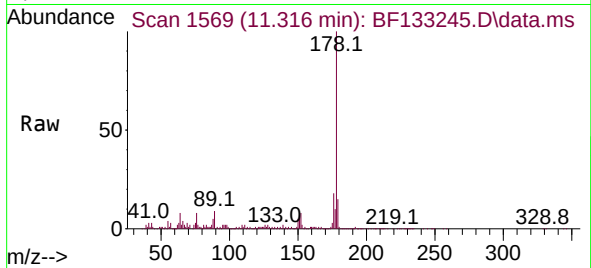
Tgt Ion:178 Resp: 271995
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 15.4 12.5 18.7





#72
 Anthracene
 Concen: 2.095 ng
 RT: 11.316 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF133245.D
 Acq: 04 May 2023 22:39

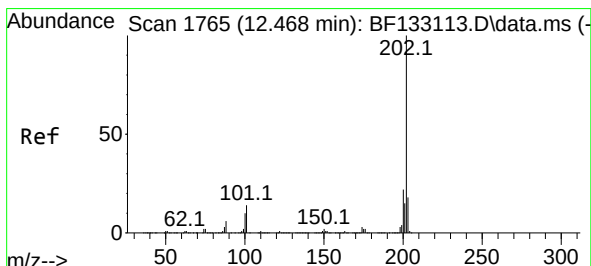
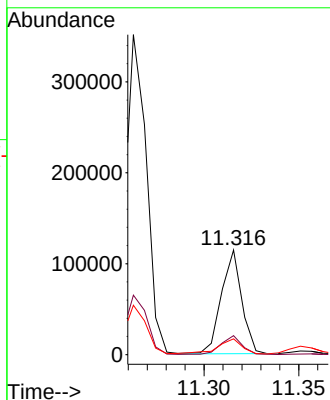
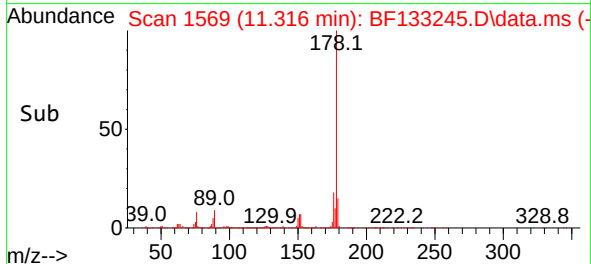
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-6-9-05022023



Tgt Ion:178 Resp: 85578
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.4 23.0
 179 15.1 12.4 18.6

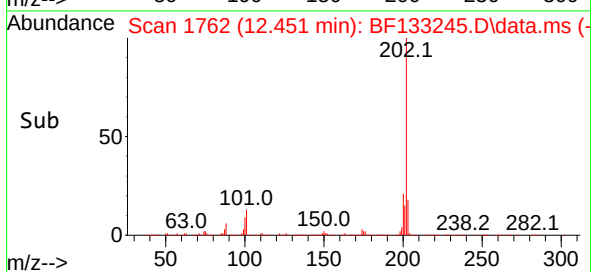
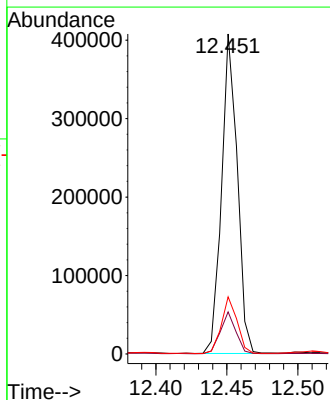
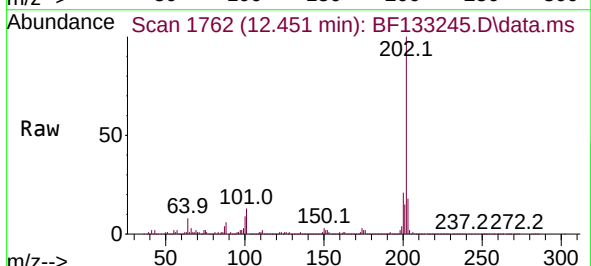
Manual Integrations
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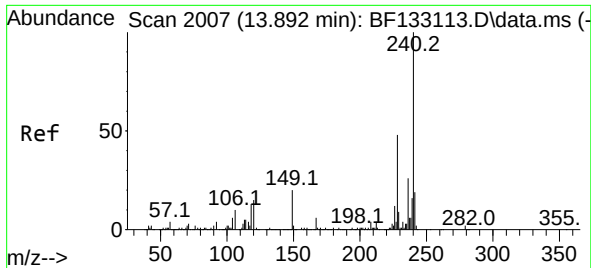
Reviewed By :Christian Giraldo 05/05/2023
 Supervised By :Jagrut Upadhyay 05/05/2023



#75
 Fluoranthene
 Concen: 7.794 ng
 RT: 12.451 min Scan# 1762
 Delta R.T. -0.006 min
 Lab File: BF133245.D
 Acq: 04 May 2023 22:39

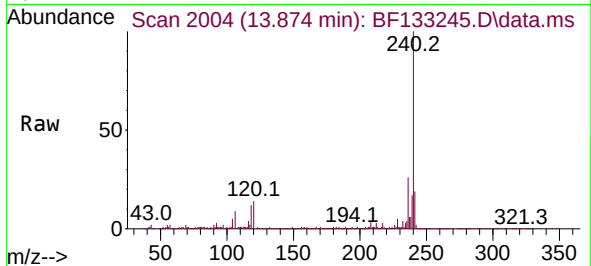
Tgt Ion:202 Resp: 312260
 Ion Ratio Lower Upper
 202 100
 101 13.2 0.0 35.3
 203 17.8 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

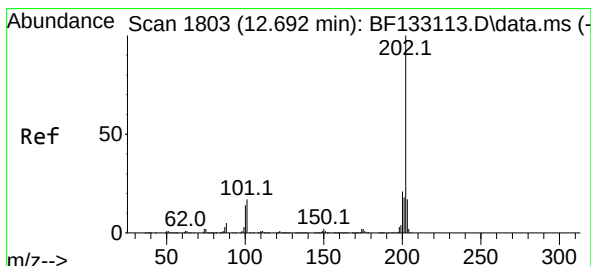
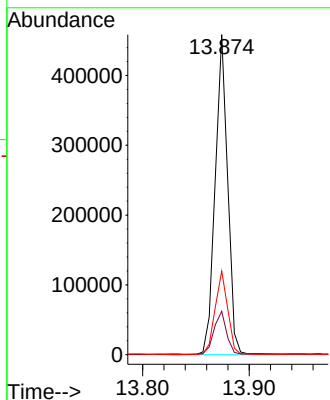
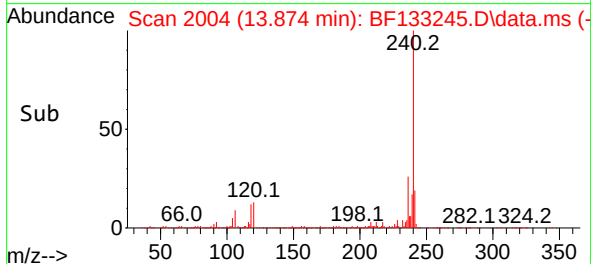
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023



Tgt Ion:240 Resp: 372460
Ion Ratio Lower Upper
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120 13.6 10.5 15.7
236 26.2 21.5 32.3

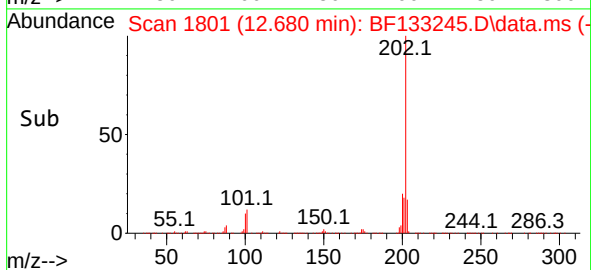
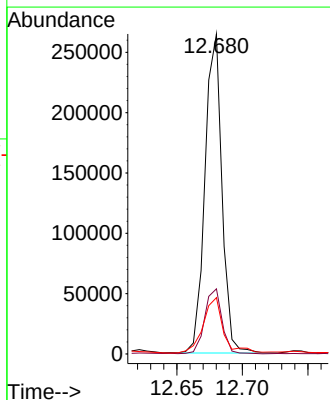
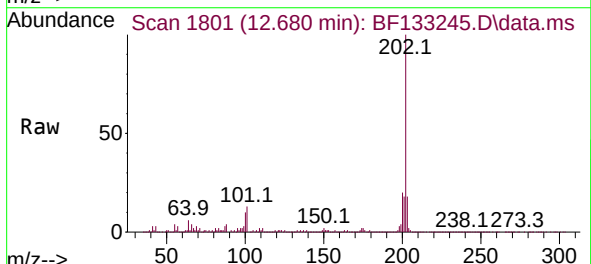
Manual Integrations
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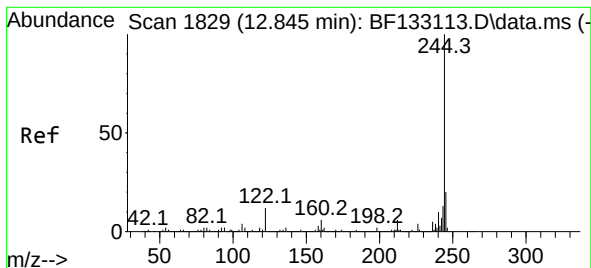
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#78
Pyrene
Concen: 7.465 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion:202 Resp: 238348
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 52.959 ng

RT: 12.827 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

Instrument :

BNA_F

ClientSampleId :

ZONE-D-6-9-05022023

Tgt Ion:244 Resp: 114372

Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

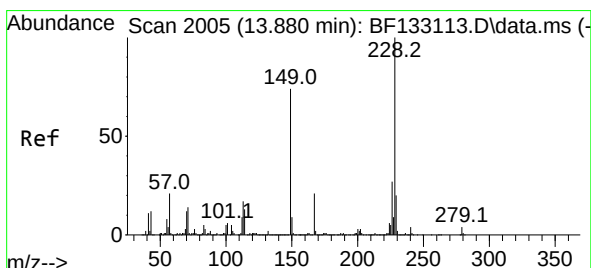
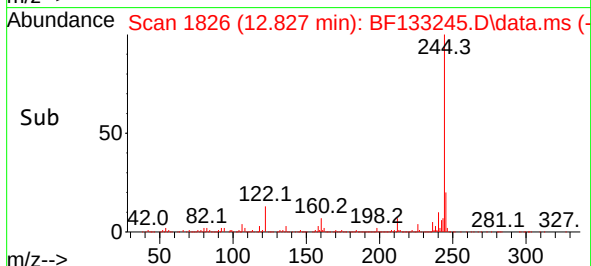
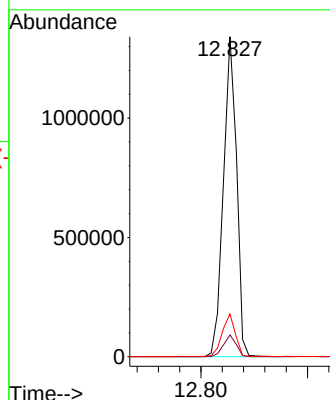
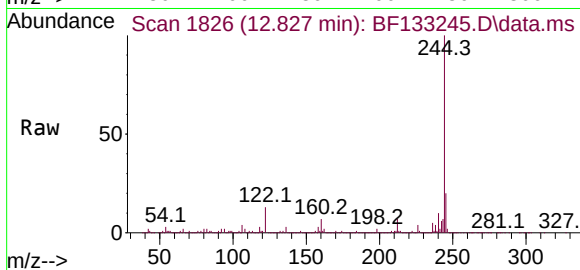
122 13.4 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#81

Benzo(a)anthracene

Concen: 3.688 ng m

RT: 13.862 min Scan# 2002

Delta R.T. -0.012 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

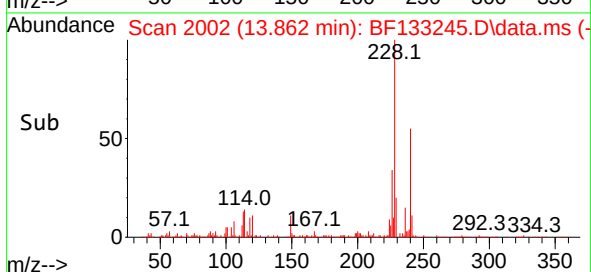
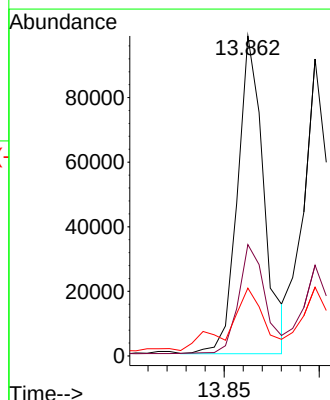
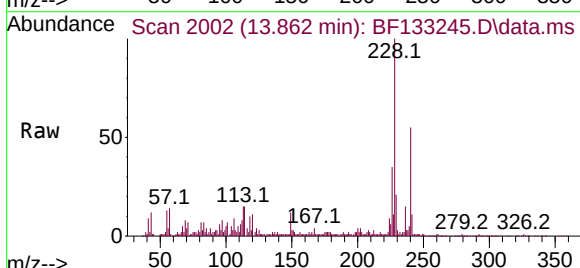
Tgt Ion:228 Resp: 94471

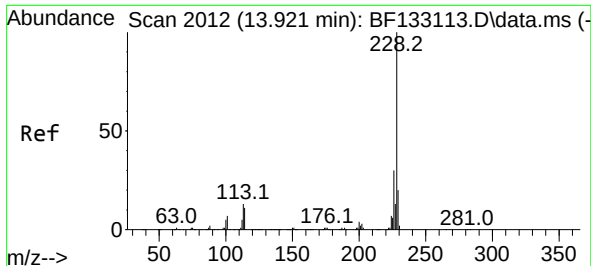
Ion Ratio Lower Upper

228 100

226 34.8 22.2 33.4

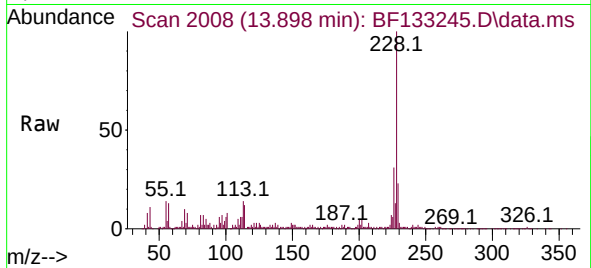
229 21.2 16.0 24.0





#83
Chrysene
Concen: 3.207 ng
RT: 13.898 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

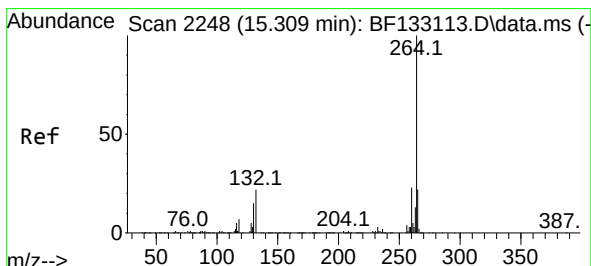
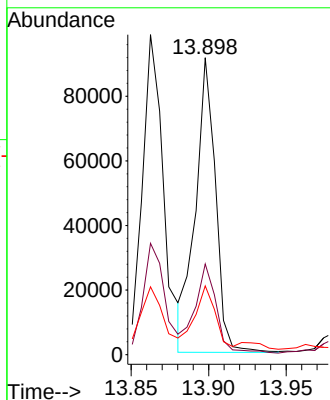
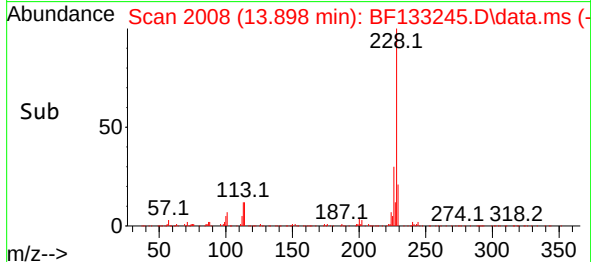
Instrument :
BNA_F
ClientSampleId :
ZONE-D-6-9-05022023



Tgt Ion:228 Resp: 82132
Ion Ratio Lower Upper
228 100
226 30.6 24.7 37.1
229 23.2 16.1 24.1

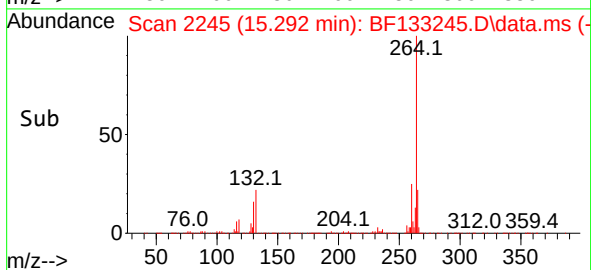
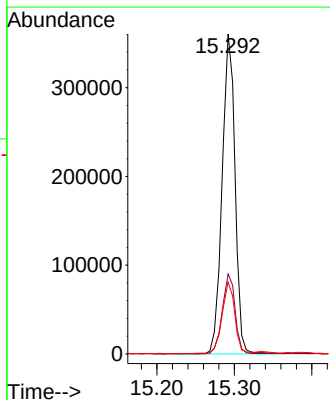
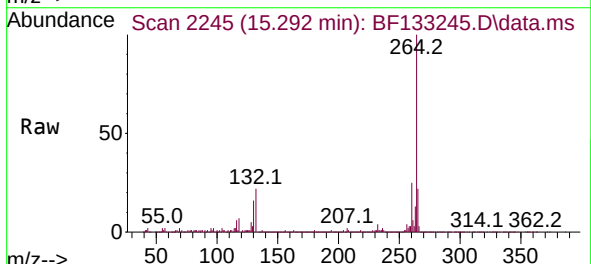
Manual Integrations
APPROVED

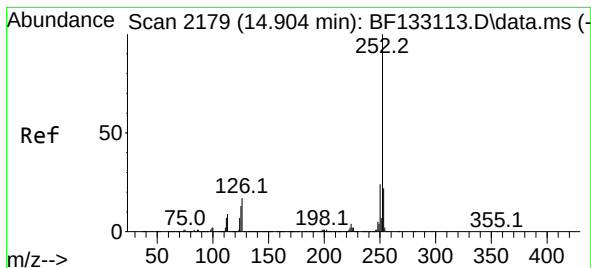
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.006 min
Lab File: BF133245.D
Acq: 04 May 2023 22:39

Tgt Ion:264 Resp: 417443
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 22.5 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 3.833 ng m

RT: 14.886 min Scan# 2179

Delta R.T. -0.012 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

Instrument :

BNA_F

ClientSampleId :

ZONE-D-6-9-05022023

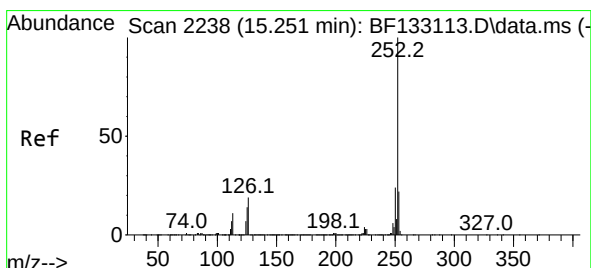
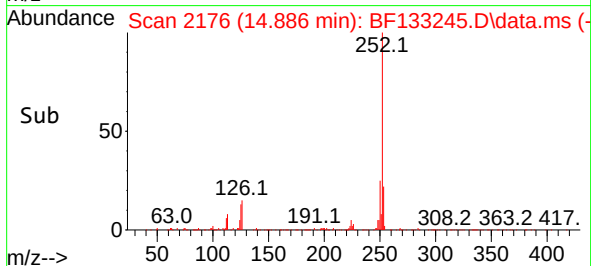
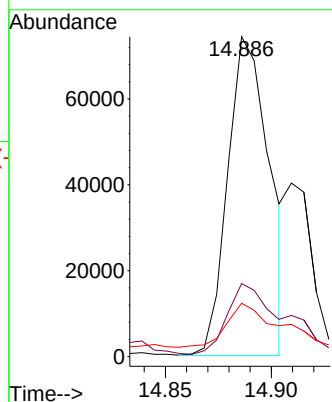
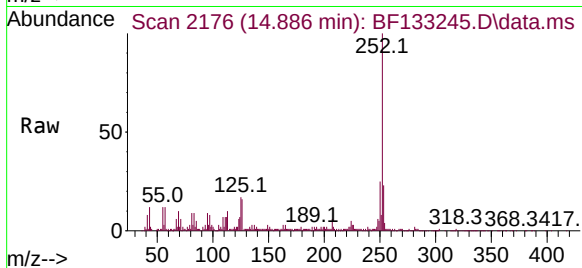
Tgt Ion:252 Resp: 101802
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.6 26.4
 125 16.7 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#90

Benzo(a)pyrene

Concen: 3.297 ng

RT: 15.227 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF133245.D

Acq: 04 May 2023 22:39

Tgt Ion:252 Resp: 79702
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.7 26.5
 125 14.9 10.5 15.7

