

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133250.D
 Acq On : 05 May 2023 01:13
 Operator : CG\JU
 Sample : 02588-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-D-3-6-05022023

Quant Time: May 05 05:34:55 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	178791	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	717145	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	357935	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	562214	20.000	ng	0.00
76) Chrysene-d12	13.874	240	347990	20.000	ng	-0.01
86) Perylene-d12	15.292	264	340544	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	454088	38.366	ng	0.00
7) Phenol-d6	6.357	99	568390	38.691	ng	-0.02
23) Nitrobenzene-d5	7.287	82	335635	25.262	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	107411	29.839	ng	-0.01
45) 2-Fluorobiphenyl	9.081	172	632326	29.555	ng	-0.01
79) Terphenyl-d14	12.821	244	475569	23.570	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.263	178	101951	3.374	ng	98
75) Fluoranthene	12.451	202	146201	4.821	ng	94
78) Pyrene	12.674	202	122972	4.122	ng	98
81) Benzo(a)anthracene	13.863	228	61972	2.590	ng	98
83) Chrysene	13.898	228	57382	2.398	ng	97
88) Benzo(b)fluoranthene	14.886	252	74074m	3.419	ng	
90) Benzo(a)pyrene	15.227	252	49153	2.493	ng	97

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

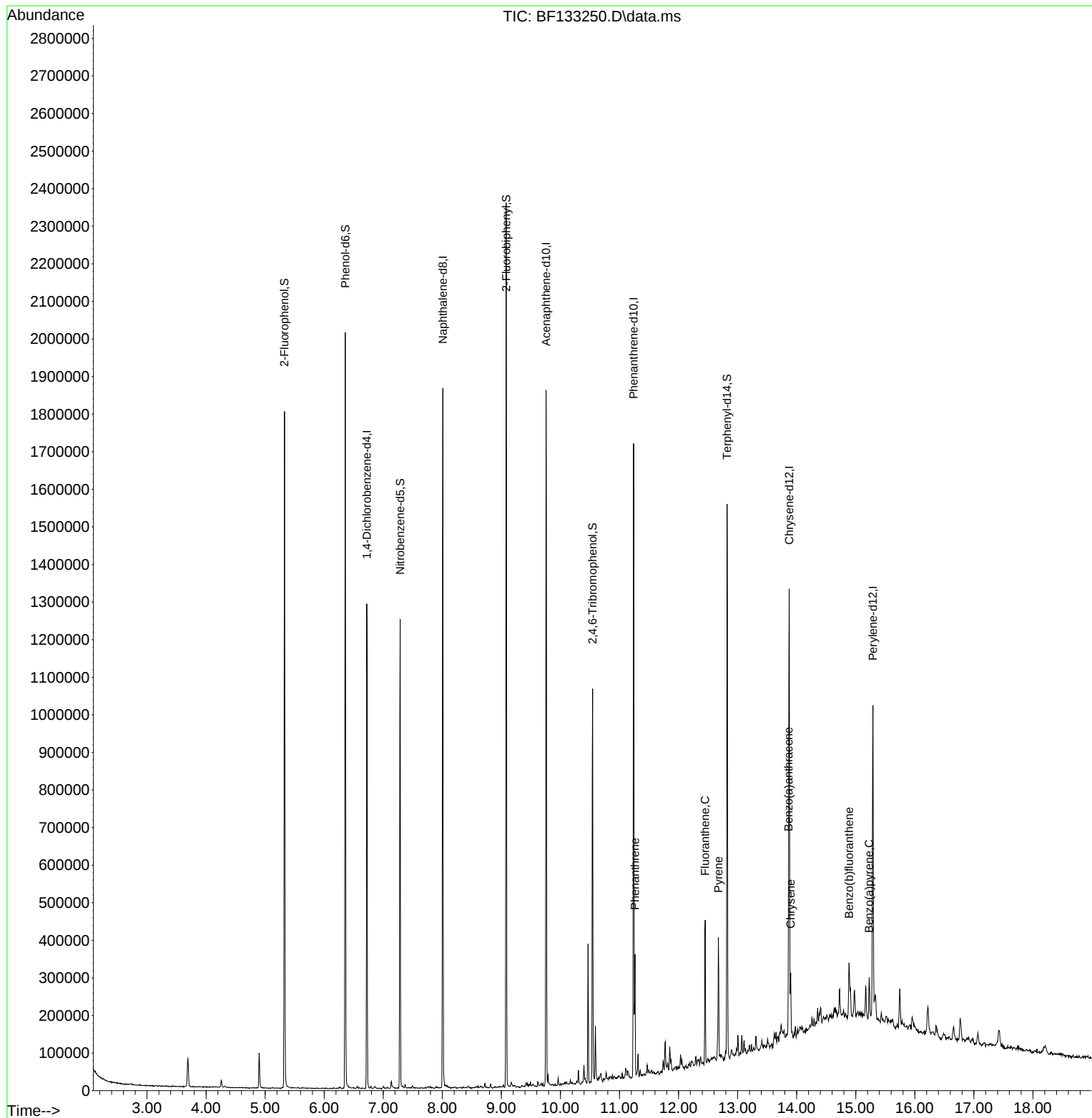
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133250.D
Acq On : 05 May 2023 01:13
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BNA_F
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ZONE-D-3-6-05022023

Quant Time: May 05 05:34:55 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
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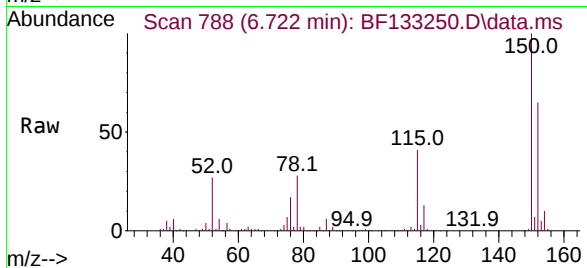
Reviewed By : Christian Giraldo 05/05/2023
Supervised By : Jagrut Upadhyay 05/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

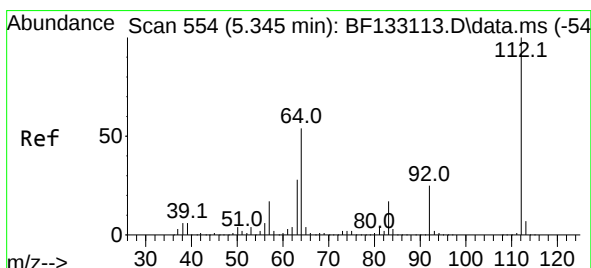
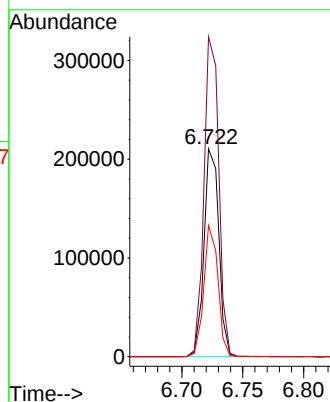
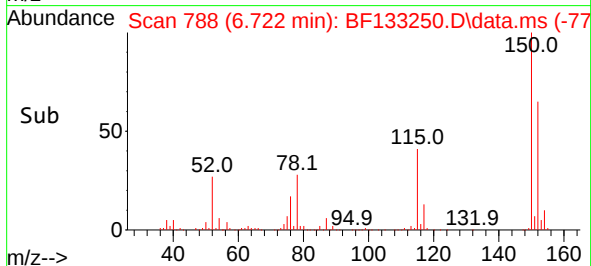
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:152 Resp: 178791
Ion Ratio Lower Upper
152 100
150 153.8 124.8 187.2
115 63.1 49.9 74.9

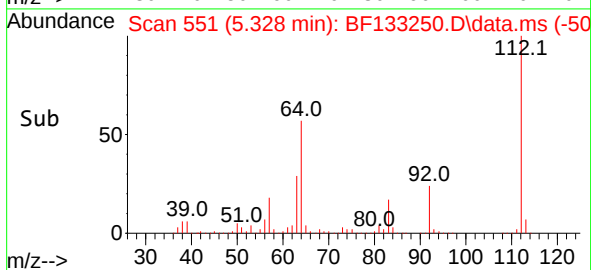
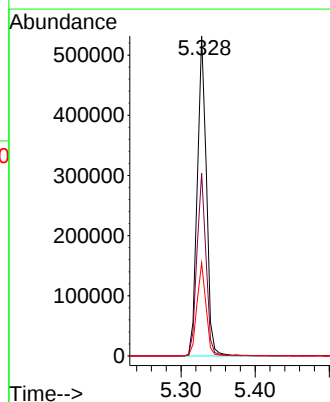
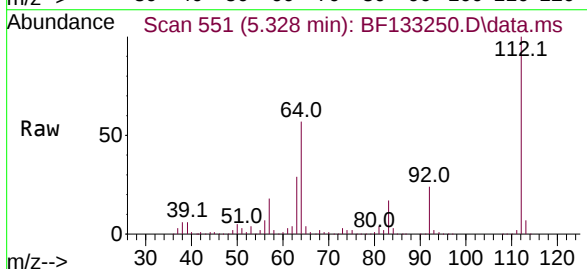
Manual Integrations
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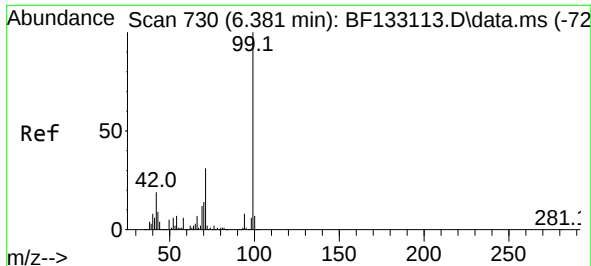
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#5
2-Fluorophenol
Concen: 38.366 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

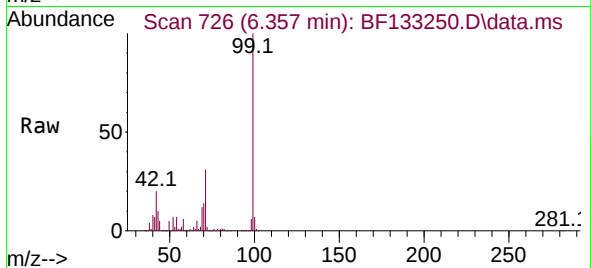
Tgt Ion:112 Resp: 454088
Ion Ratio Lower Upper
112 100
64 57.1 46.8 70.2
63 29.1 23.8 35.8





#7
Phenol-d6
Concen: 38.691 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

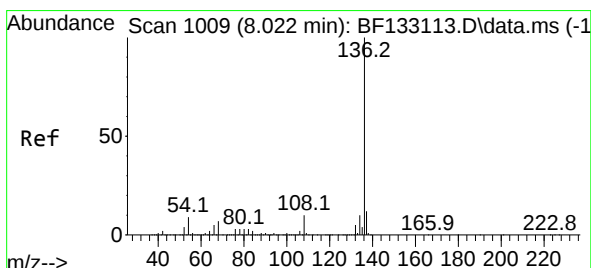
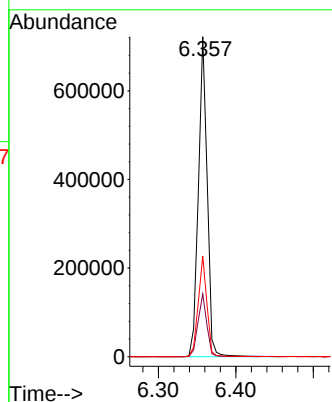
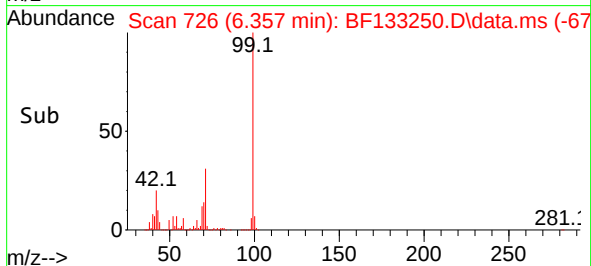
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion: 99 Resp: 568390
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 31.5 25.6 38.4

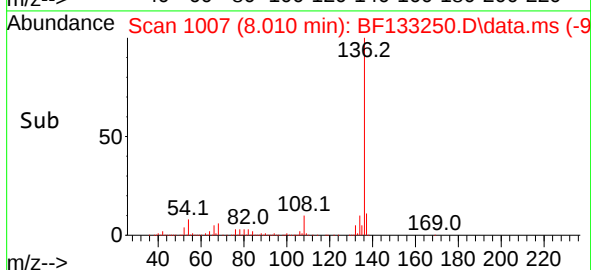
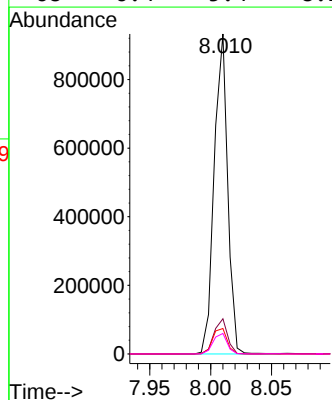
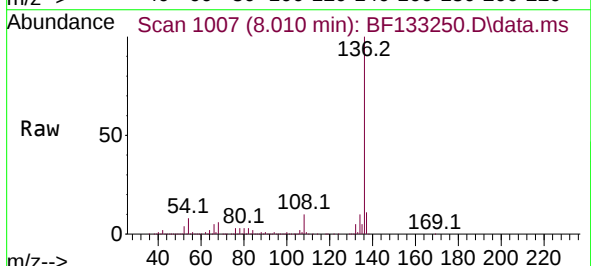
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

Tgt Ion:136 Resp: 717145
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.0 7.0 10.4
68 6.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 25.262 ng

RT: 7.287 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF133250.D

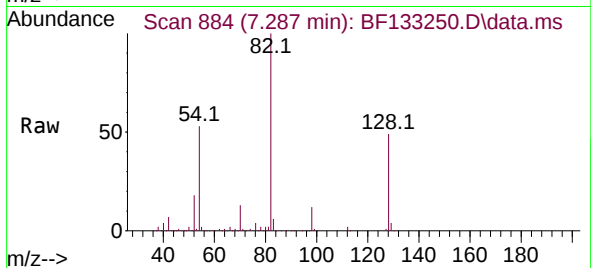
Acq: 05 May 2023 01:13

Instrument :

BNA_F

ClientSampleId :

ZONE-D-3-6-05022023

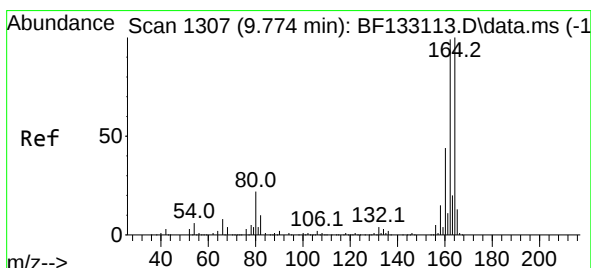
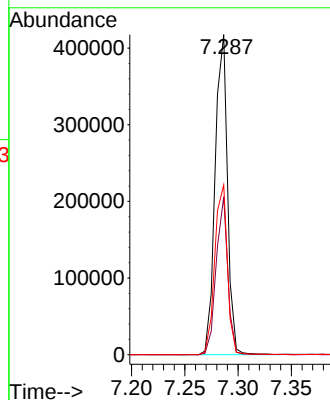
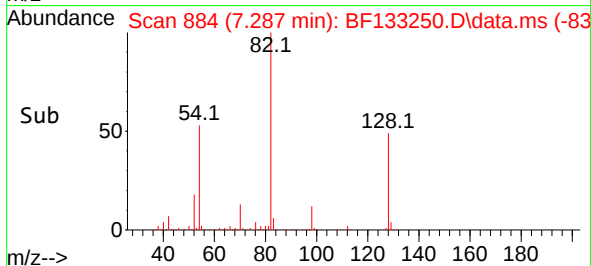


Tgt Ion: 82 Resp: 335635

Ion	Ratio	Lower	Upper
82	100		
128	49.3	37.7	56.5
54	53.0	43.0	64.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

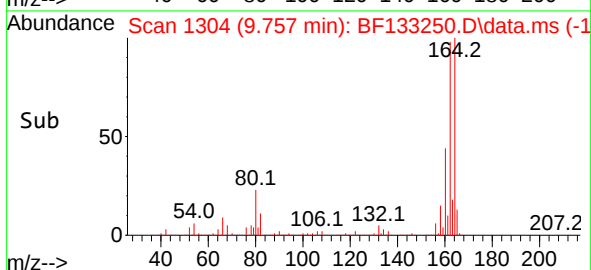
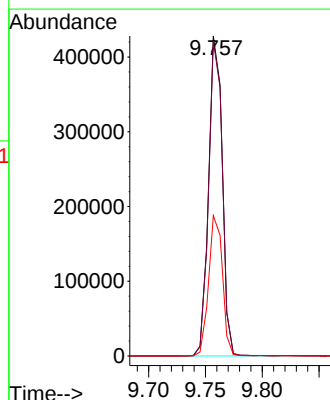
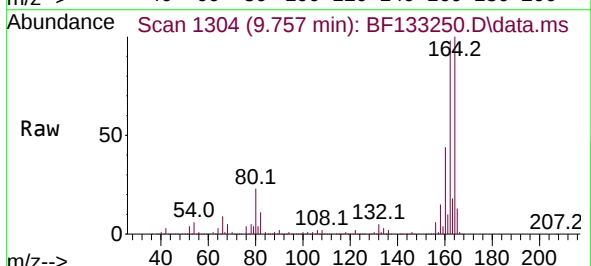
Delta R.T. -0.012 min

Lab File: BF133250.D

Acq: 05 May 2023 01:13

Tgt Ion:164 Resp: 357935

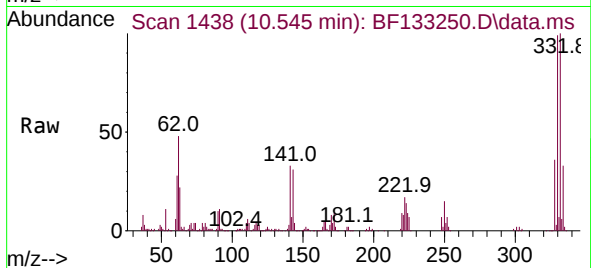
Ion	Ratio	Lower	Upper
164	100		
162	98.3	78.7	118.1
160	43.8	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 29.839 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

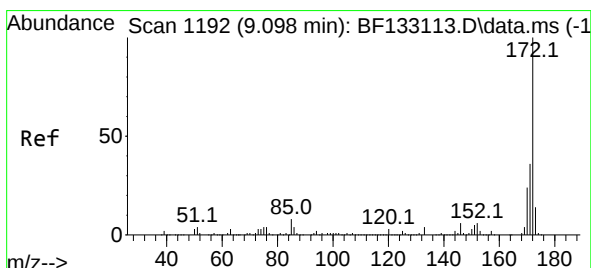
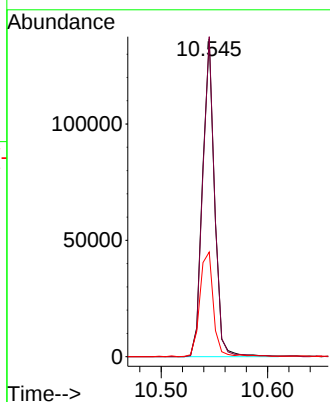
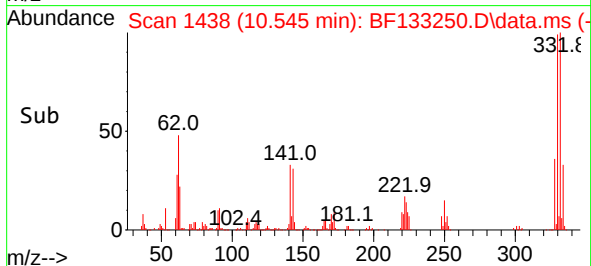
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023



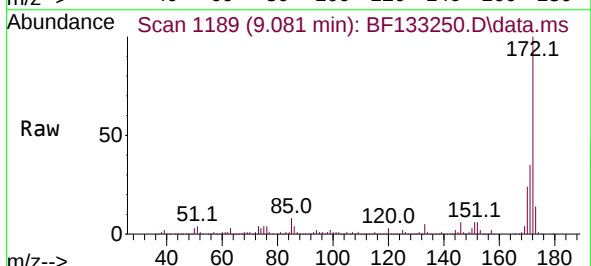
Tgt Ion: 330 Resp: 10741
Ion Ratio Lower Upper
330 100
332 99.3 77.1 115.7
141 37.9 25.8 38.8

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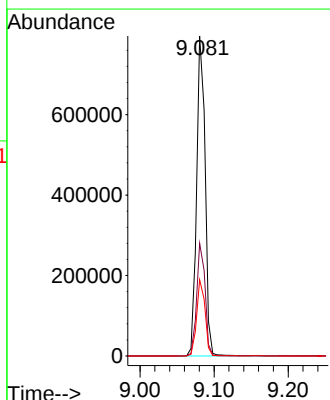
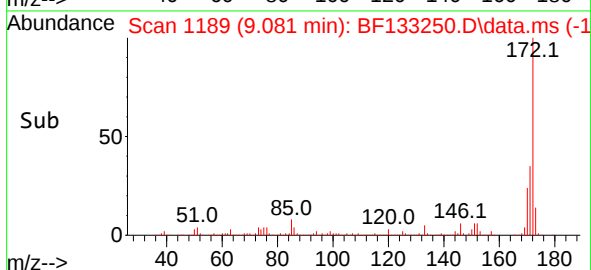
Reviewed By : Christian Giraldo 05/05/2023
Supervised By : Jagrut Upadhyay 05/05/2023

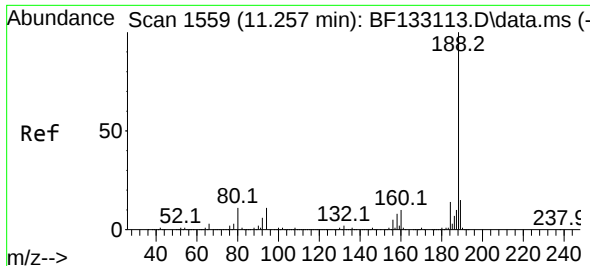


#45
2-Fluorobiphenyl
Concen: 29.555 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13



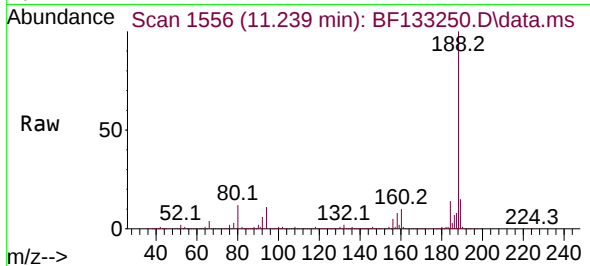
Tgt Ion: 172 Resp: 632326
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.8 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

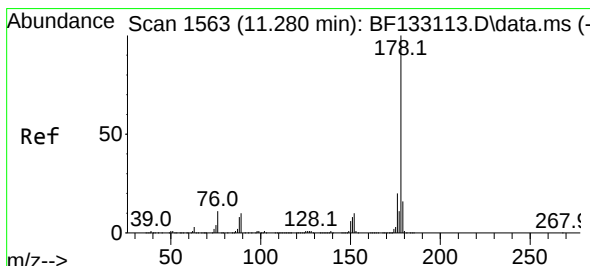
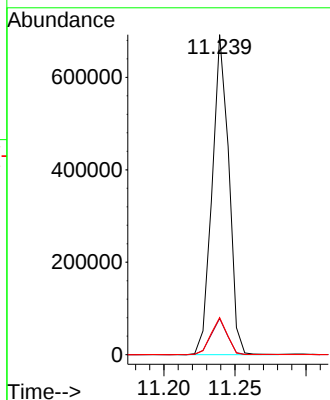
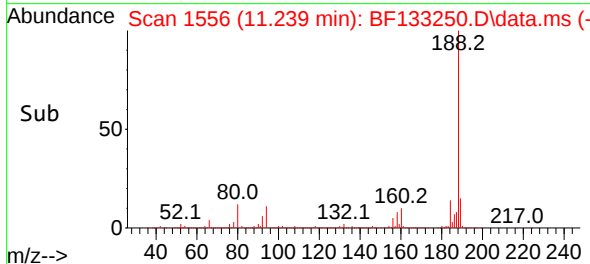
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:188 Resp: 562214
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 11.6 10.4 15.6

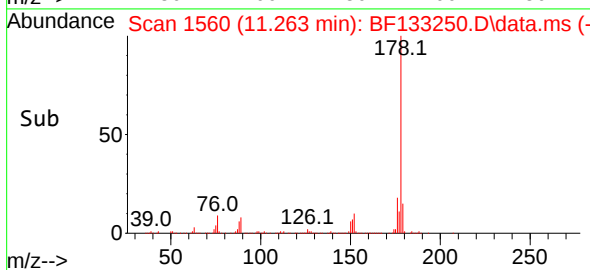
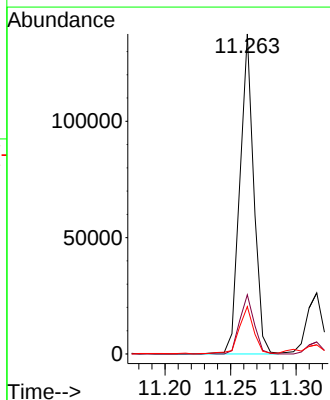
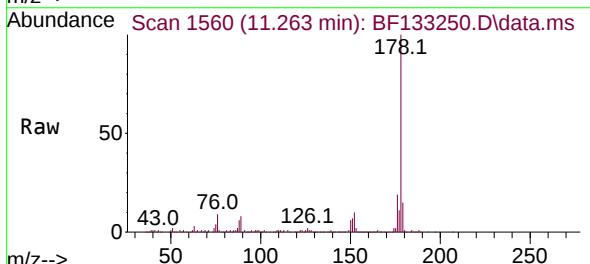
Manual Integrations
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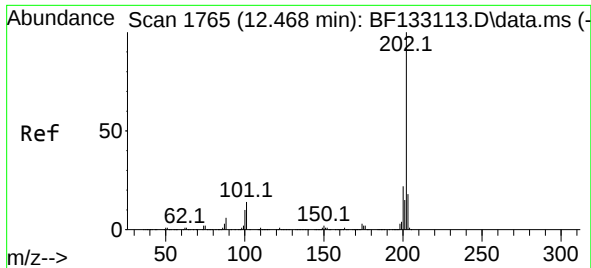
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#71
Phenanthrene
Concen: 3.374 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

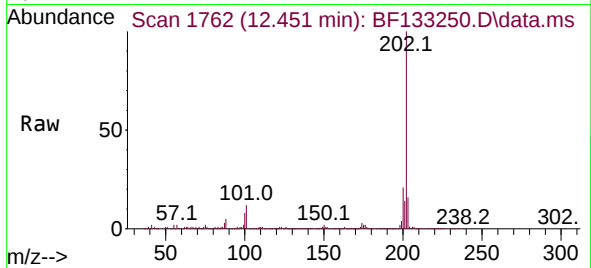
Tgt Ion:178 Resp: 101951
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 14.8 12.5 18.7





#75
Fluoranthene
Concen: 4.821 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

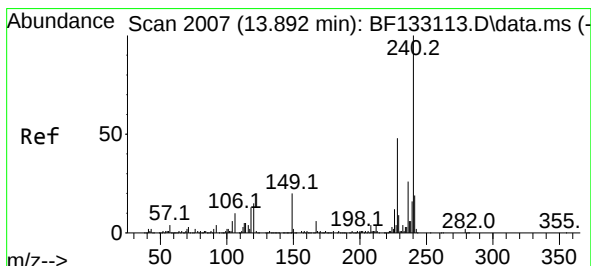
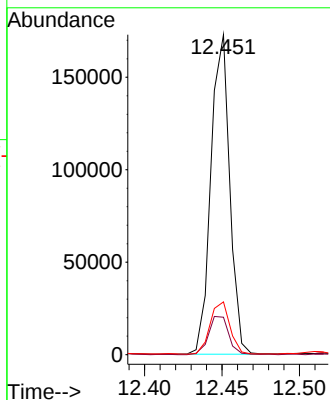
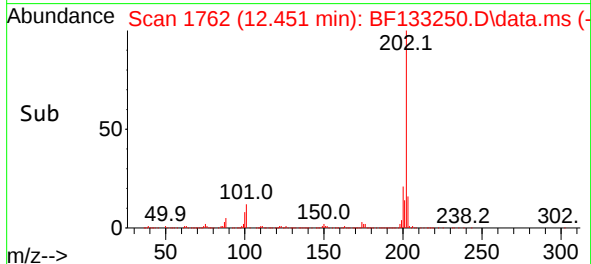
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:202 Resp: 14620
Ion Ratio Lower Upper
202 100
101 11.7 0.0 35.3
203 16.5 0.0 38.1

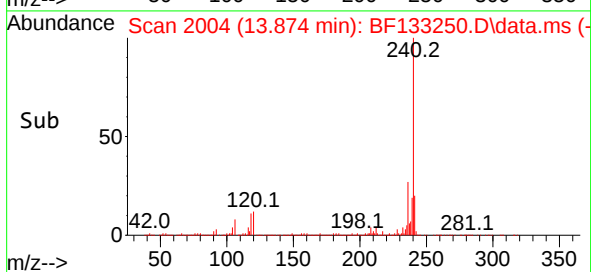
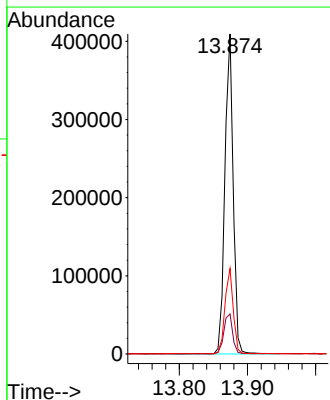
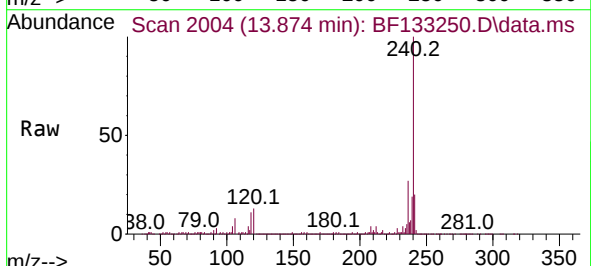
Manual Integrations
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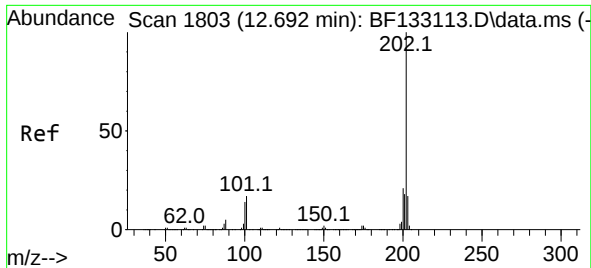
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

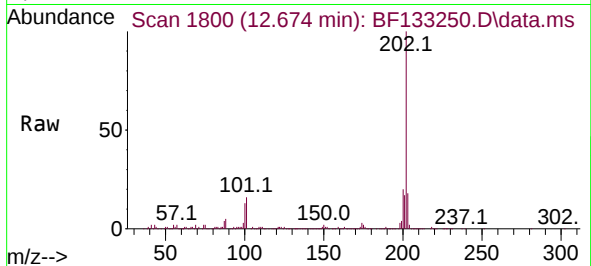
Tgt Ion:240 Resp: 347990
Ion Ratio Lower Upper
240 100
120 12.5 10.5 15.7
236 26.7 21.5 32.3





#78
Pyrene
Concen: 4.122 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

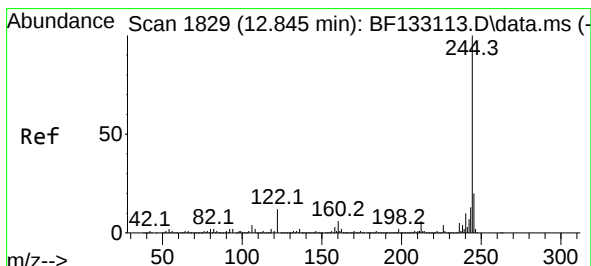
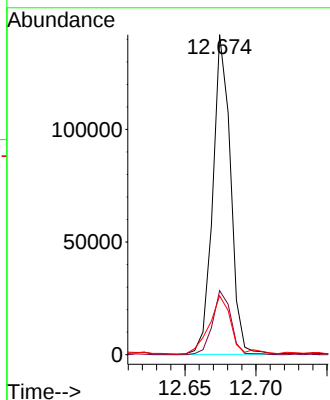
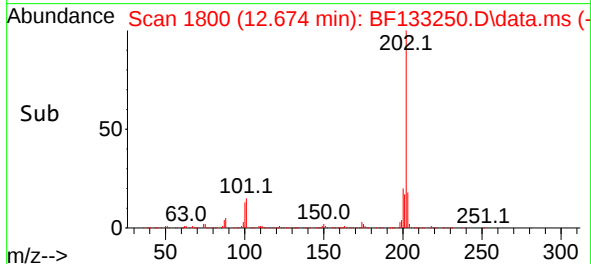
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:202 Resp: 122972
Ion Ratio Lower Upper
202 100
200 20.0 17.1 25.7
203 18.4 14.1 21.1

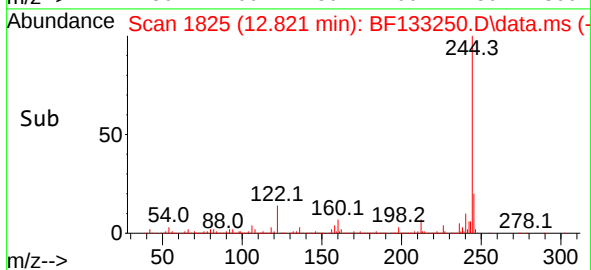
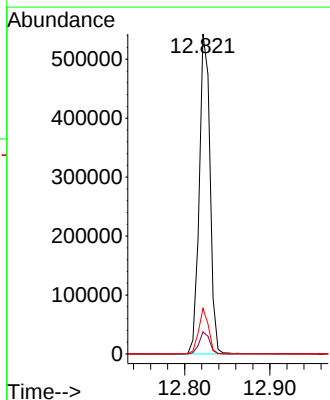
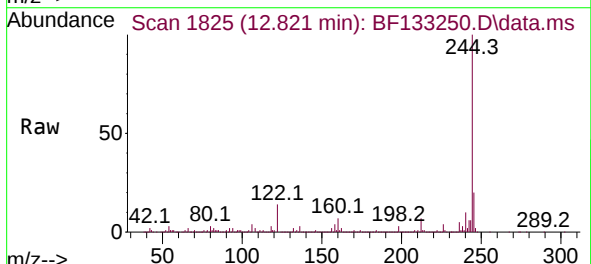
Manual Integrations
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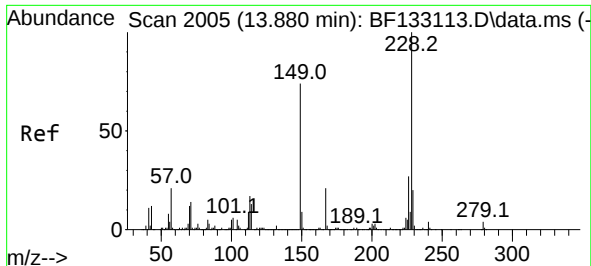
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#79
Terphenyl-d14
Concen: 23.570 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

Tgt Ion:244 Resp: 475569
Ion Ratio Lower Upper
244 100
212 6.9 5.1 7.7
122 14.3 8.6 13.0#





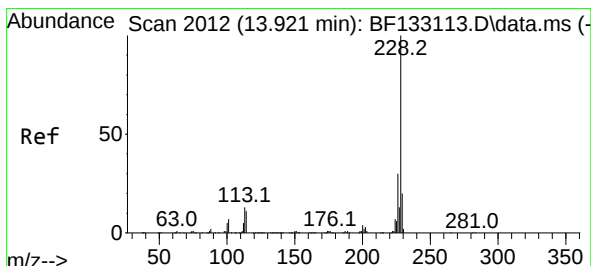
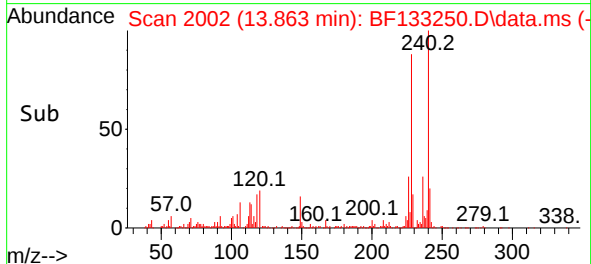
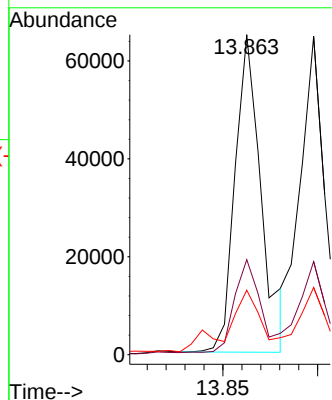
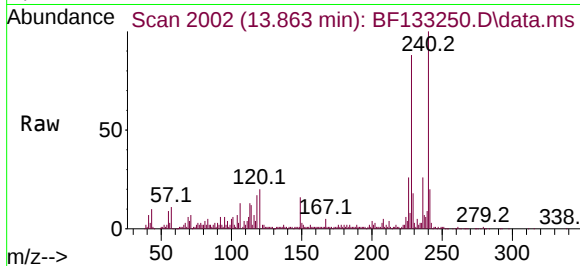
#81
Benzo(a)anthracene
Concen: 2.590 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023

Tgt Ion:228 Resp: 61972
Ion Ratio Lower Upper
228 100
226 29.7 22.2 33.4
229 20.2 16.0 24.0

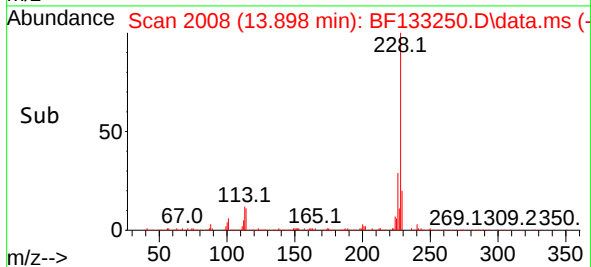
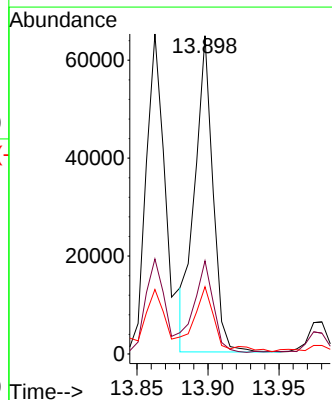
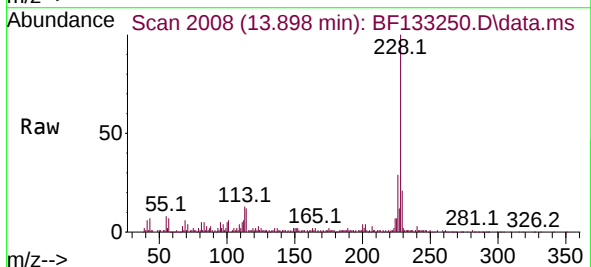
Manual Integrations
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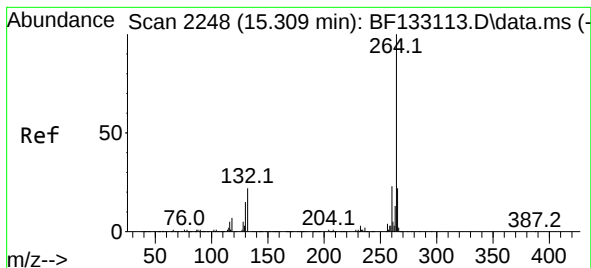
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#83
Chrysene
Concen: 2.398 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

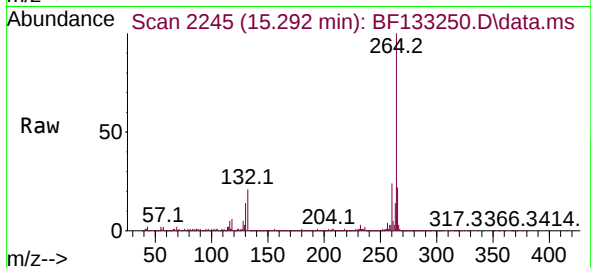
Tgt Ion:228 Resp: 57382
Ion Ratio Lower Upper
228 100
226 29.3 24.7 37.1
229 21.1 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2176
Delta R.T. -0.006 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

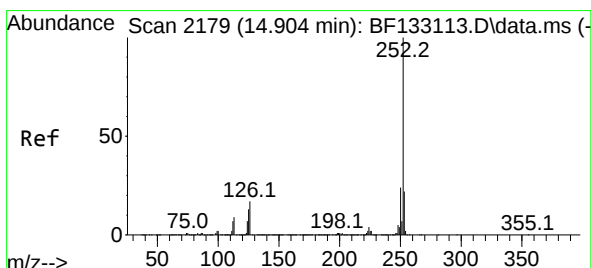
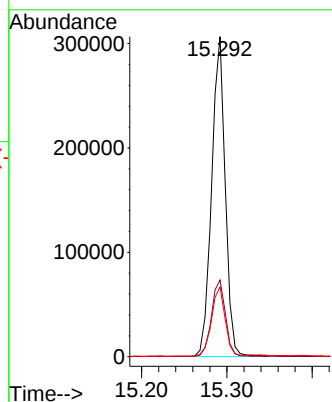
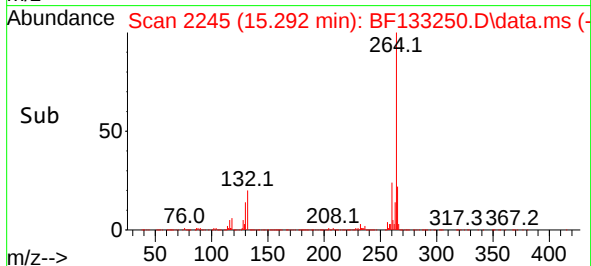
Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:264 Resp: 340544
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.8 17.0 25.4

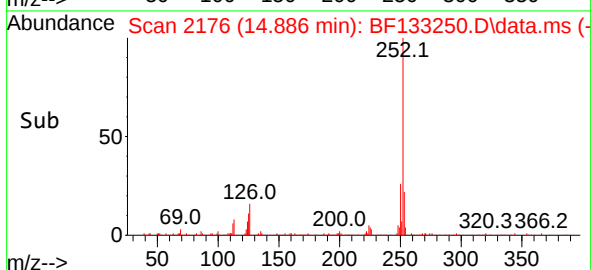
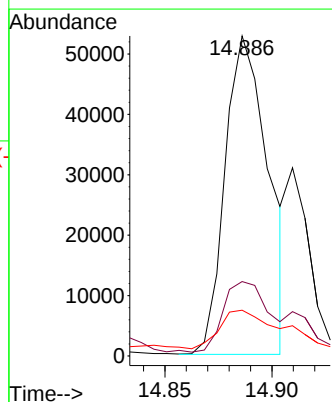
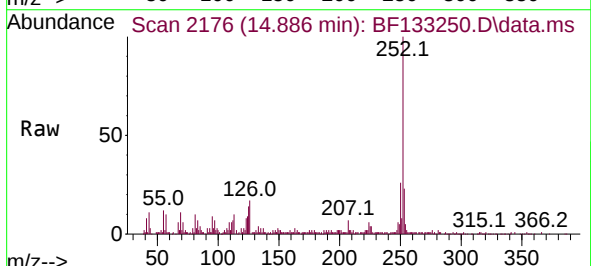
Manual Integrations
APPROVED

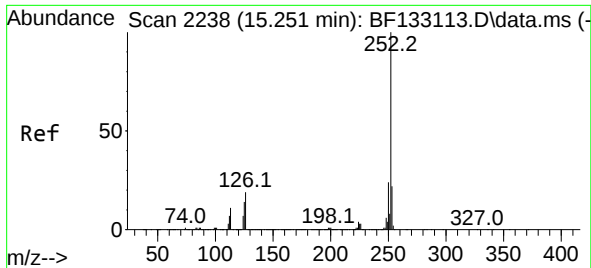
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#88
Benzo(b)fluoranthene
Concen: 3.419 ng m
RT: 14.886 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

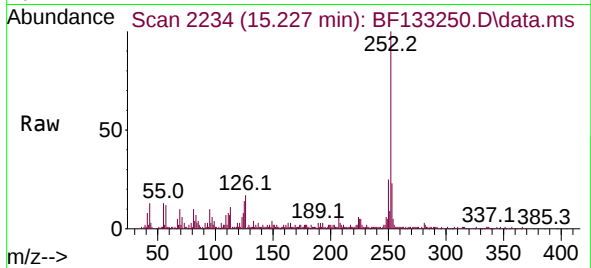
Tgt Ion:252 Resp: 74074
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 14.3 8.9 13.3#





#90
Benzo(a)pyrene
Concen: 2.493 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF133250.D
Acq: 05 May 2023 01:13

Instrument :
BNA_F
ClientSampleId :
ZONE-D-3-6-05022023



Tgt Ion:252 Resp: 4915
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 14.4 10.5 15.7

Manual Integrations
APPROVED

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

