

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133249.D
 Acq On : 05 May 2023 00:42
 Operator : CG\JU
 Sample : 02588-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-A-0-3-05022023

Quant Time: May 05 05:34:38 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	202998	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	808963	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	404841	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	631839	20.000	ng	0.00
76) Chrysene-d12	13.874	240	376814	20.000	ng	-0.01
86) Perylene-d12	15.292	264	375591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1097008	81.634	ng	0.00
7) Phenol-d6	6.363	99	1398669	83.855	ng	-0.01
23) Nitrobenzene-d5	7.287	82	854272	57.000	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	245532	60.306	ng	-0.01
45) 2-Fluorobiphenyl	9.086	172	1409021	58.228	ng	0.00
79) Terphenyl-d14	12.827	244	1102810	50.475	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.263	178	108813	3.204	ng	97
75) Fluoranthene	12.451	202	164696	4.832	ng	94
78) Pyrene	12.675	202	140662	4.355	ng	100
81) Benzo(a)anthracene	13.863	228	58218	2.247	ng	94
83) Chrysene	13.898	228	65295	2.520	ng	98
84) Bis(2-ethylhexyl)phtha...	13.863	149	36841	2.566	ng	# 99
88) Benzo(b)fluoranthene	14.886	252	78765m	3.296	ng	
90) Benzo(a)pyrene	15.227	252	47771	2.196	ng	# 92

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

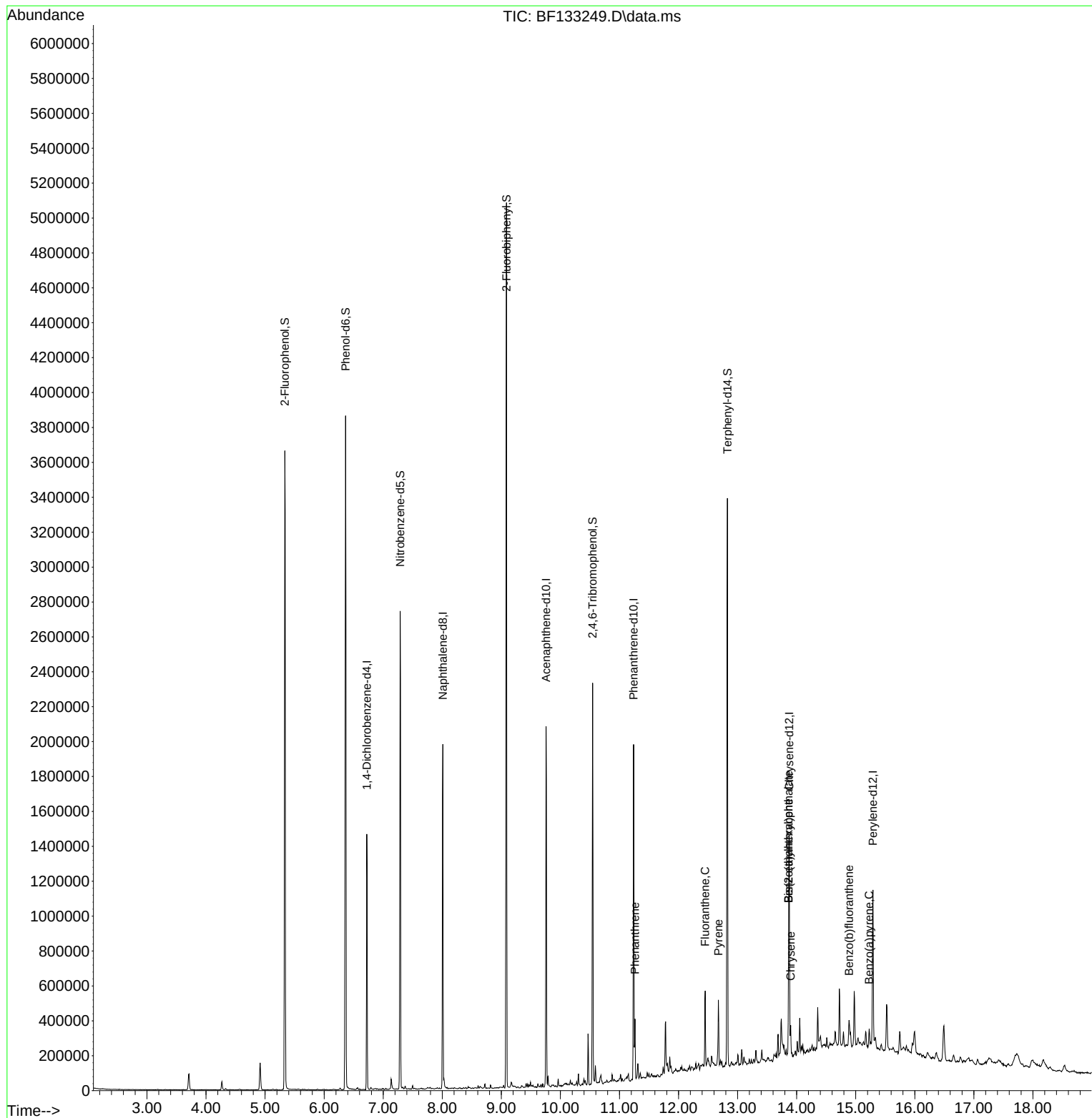
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133249.D
Acq On : 05 May 2023 00:42
Operator : CG\JU
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ALS Vial : 19 Sample Multiplier: 1

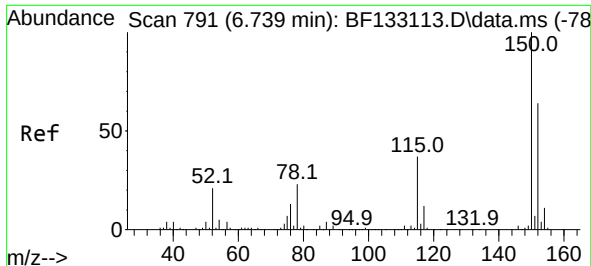
Instrument :
BNA_F
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ZONE-A-0-3-05022023

Quant Time: May 05 05:34:38 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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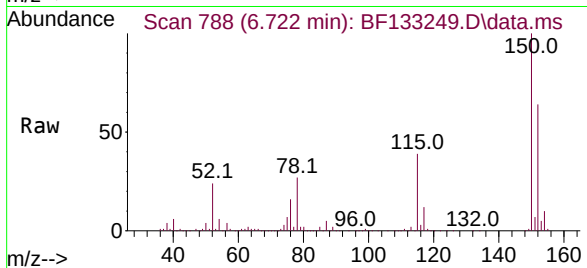
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

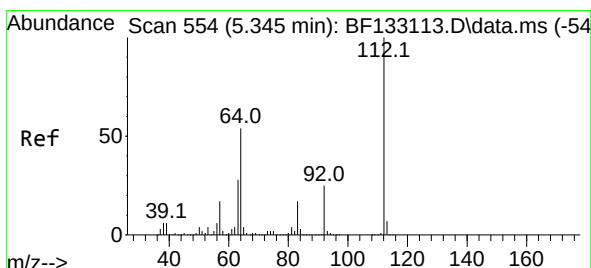
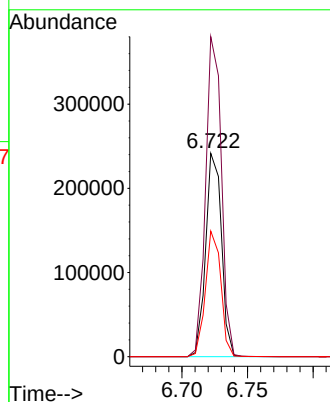
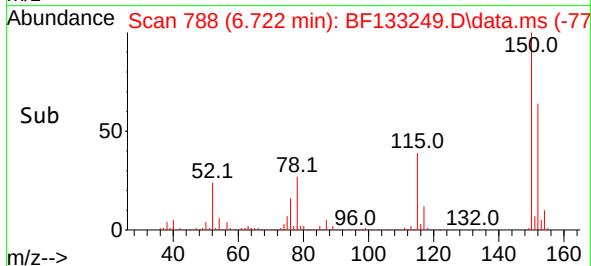
Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023



Tgt Ion:152 Resp: 202998
Ion Ratio Lower Upper
152 100
150 157.4 124.8 187.2
115 61.7 49.9 74.9

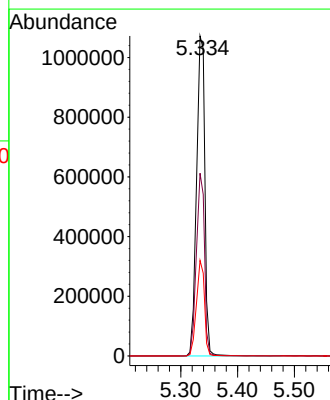
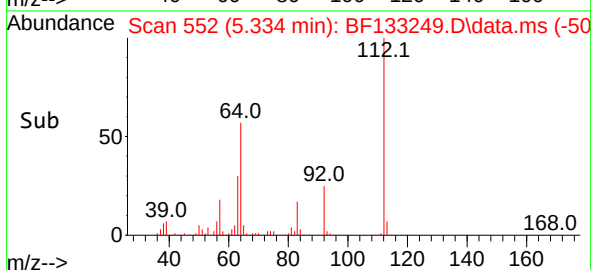
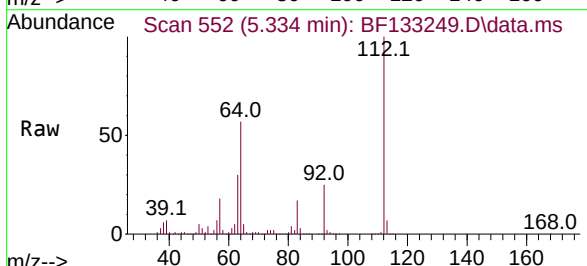
Manual Integrations
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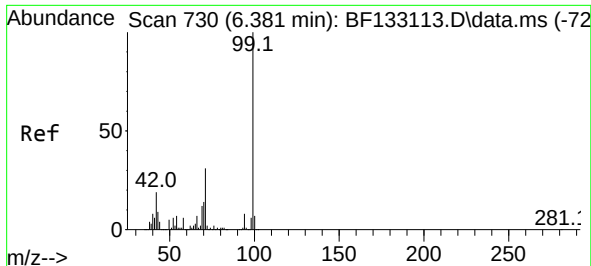
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#5
2-Fluorophenol
Concen: 81.634 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.000 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

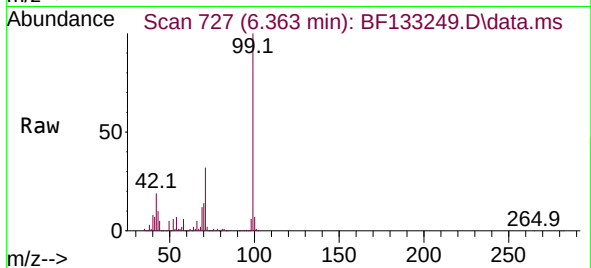
Tgt Ion:112 Resp: 1097008
Ion Ratio Lower Upper
112 100
64 57.1 46.8 70.2
63 29.8 23.8 35.8





#7
Phenol-d6
Concen: 83.855 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

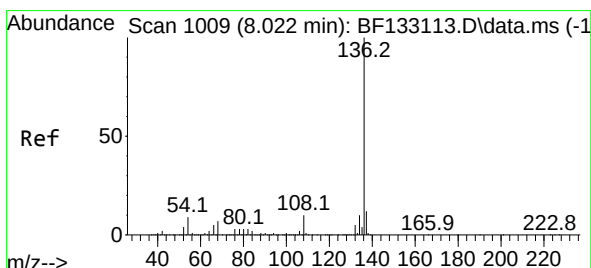
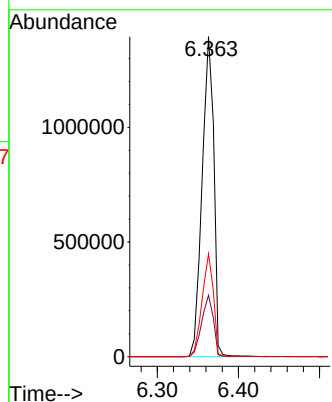
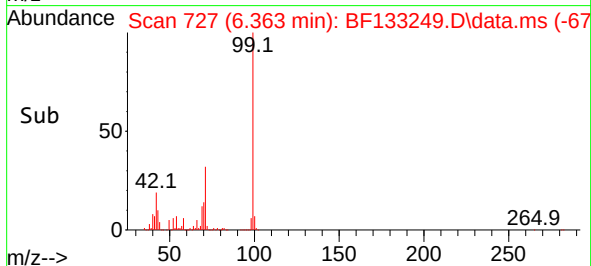
Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023



Tgt Ion: 99 Resp: 139866
Ion Ratio Lower Upper
99 100
42 19.2 16.3 24.5
71 32.1 25.6 38.4

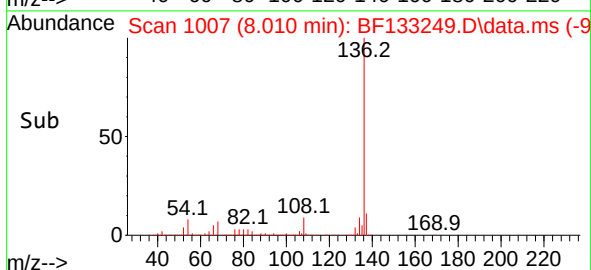
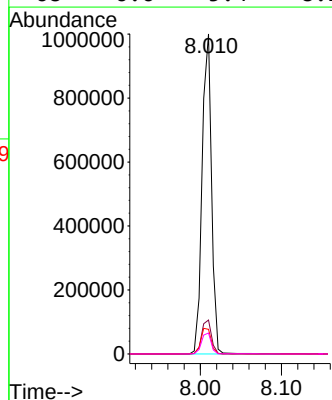
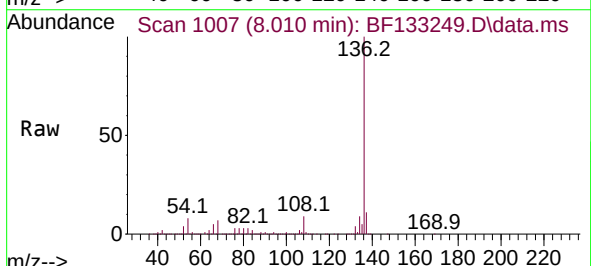
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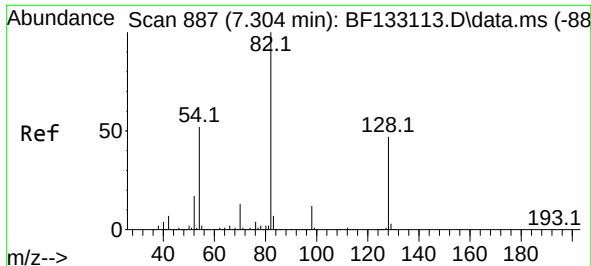
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion:136 Resp: 808963
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 7.7 7.0 10.4
68 6.6 5.4 8.2





#23

Nitrobenzene-d5

Concen: 57.000 ng

RT: 7.287 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133249.D

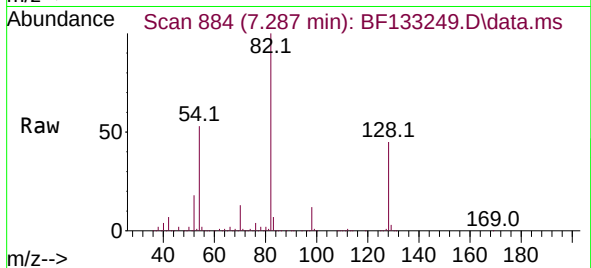
Acq: 05 May 2023 00:42

Instrument :

BNA_F

ClientSampleId :

ZONE-A-0-3-05022023

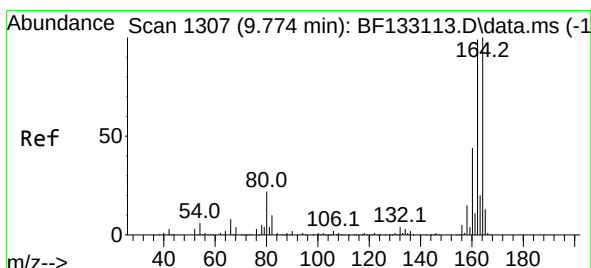
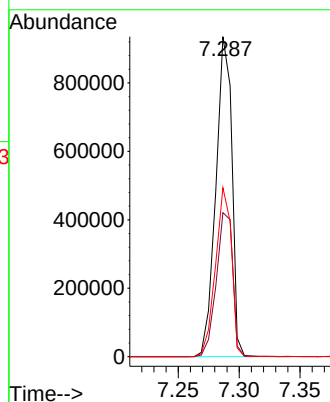
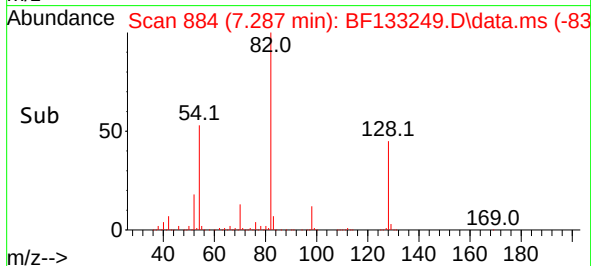


Tgt Ion:	82	Resp:	854272
Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.7	56.5
54	52.8	43.0	64.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

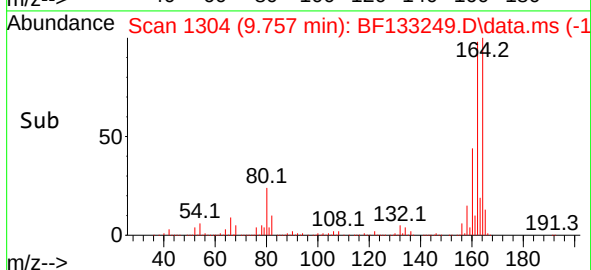
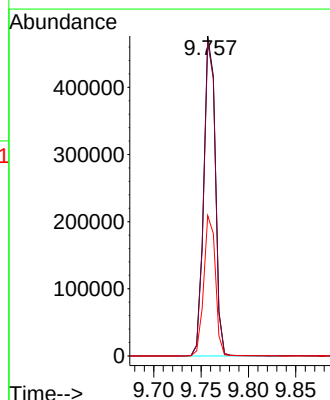
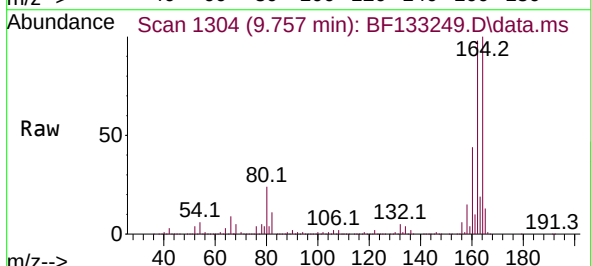
RT: 9.757 min Scan# 1304

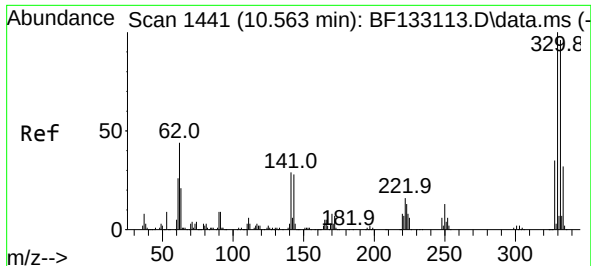
Delta R.T. -0.012 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

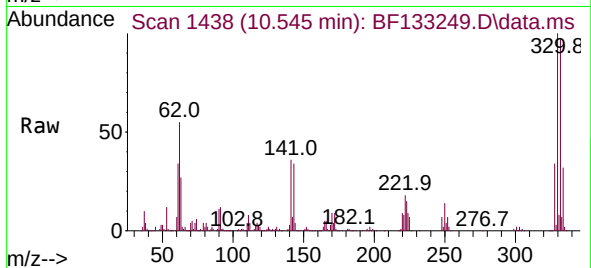
Tgt Ion:	164	Resp:	404841
Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.7	118.1
160	43.9	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 60.306 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

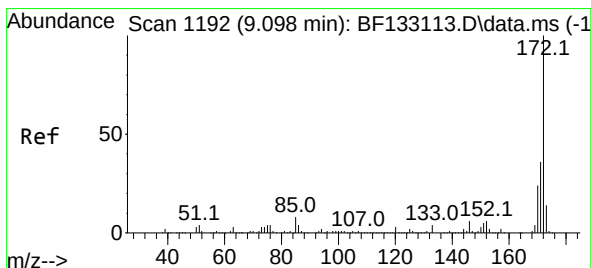
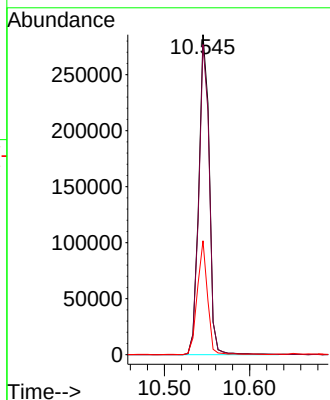
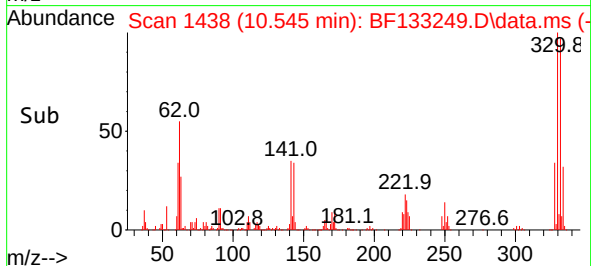
Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023



Tgt Ion: 330 Resp: 245532
Ion Ratio Lower Upper
330 100
332 97.0 77.1 115.7
141 34.3 25.8 38.8

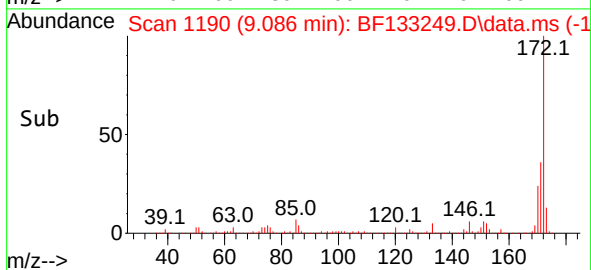
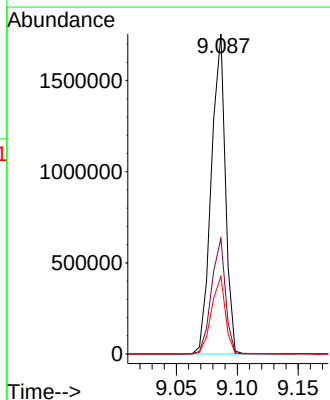
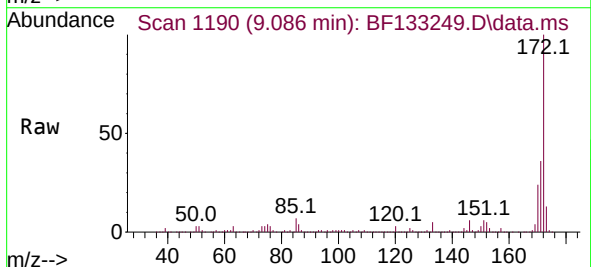
Manual Integrations
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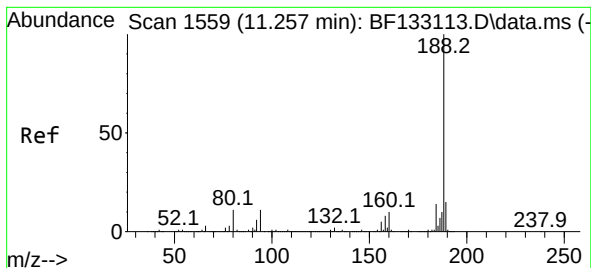
Reviewed By : Christian Giraldo 05/05/2023
Supervised By : Jagrut Upadhyay 05/05/2023



#45
2-Fluorobiphenyl
Concen: 58.228 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

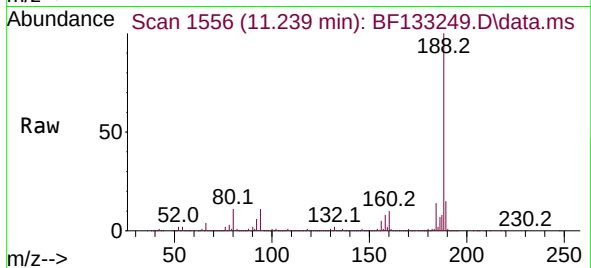
Tgt Ion: 172 Resp: 1409021
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 24.3 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

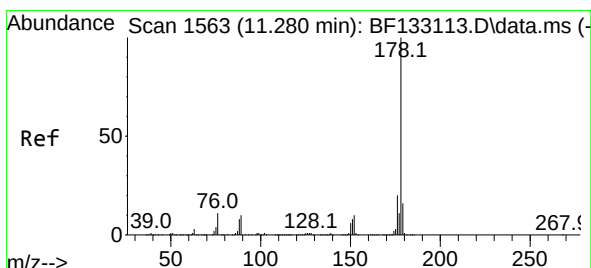
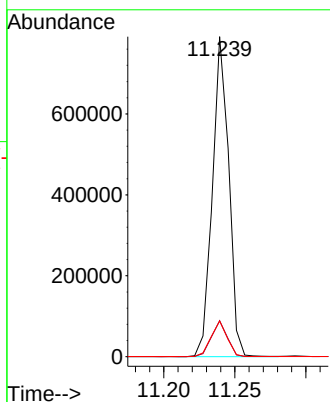
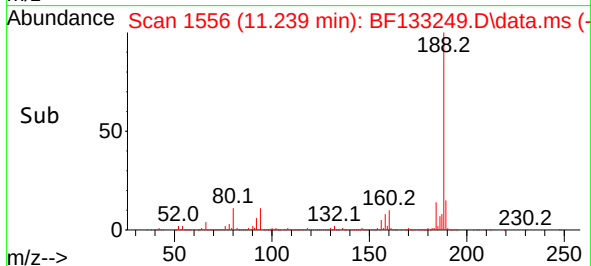
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ClientSampleId :
ZONE-A-0-3-05022023



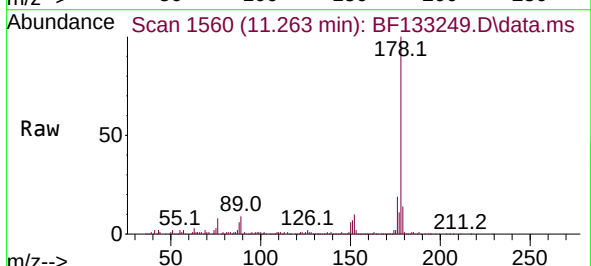
Tgt Ion:188 Resp: 631839
Ion Ratio Lower Upper
188 100
94 11.2 9.7 14.5
80 11.2 10.4 15.6

Manual Integrations
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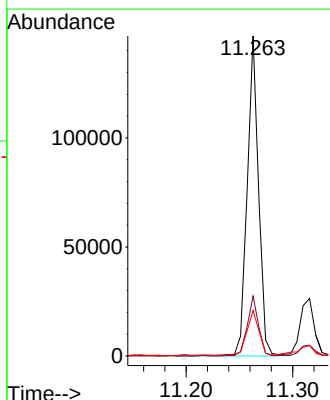
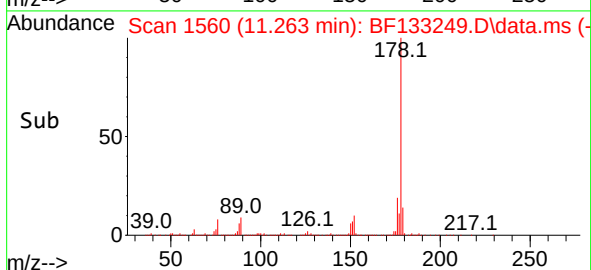
Reviewed By :Christian Giraldo 05/05/2023
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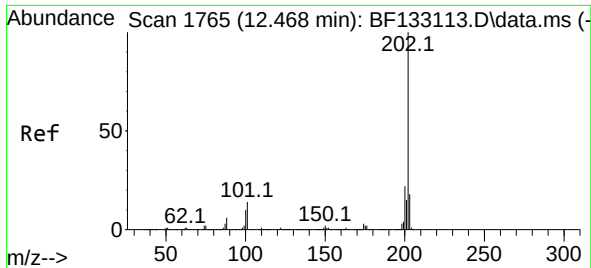


#71
Phenanthrene
Concen: 3.204 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42



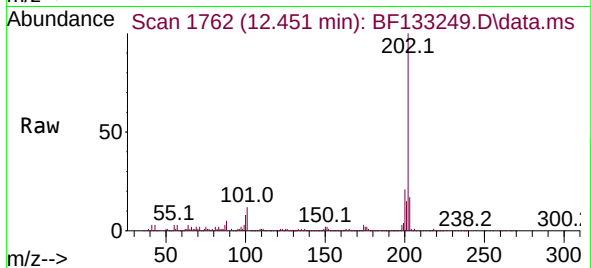
Tgt Ion:178 Resp: 108813
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 14.2 12.5 18.7





#75
Fluoranthene
Concen: 4.832 ng
RT: 12.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

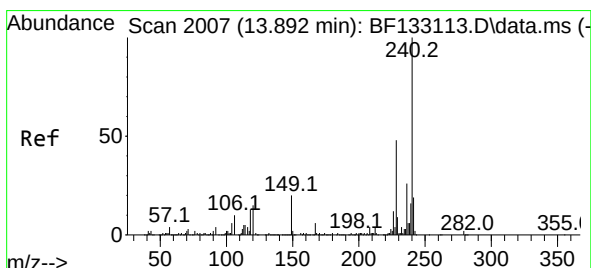
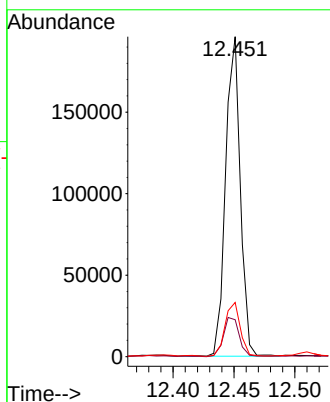
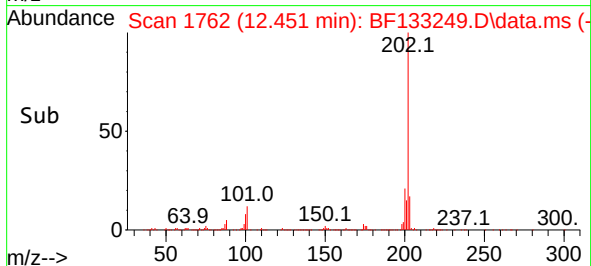
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ZONE-A-0-3-05022023



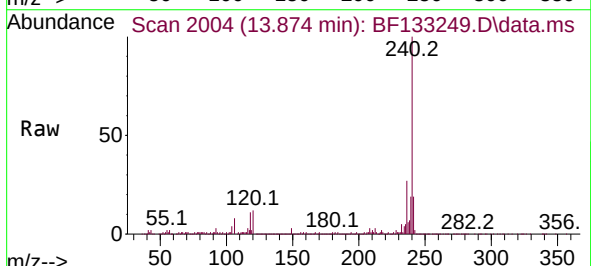
Tgt Ion:202 Resp: 164690
Ion Ratio Lower Upper
202 100
101 11.5 0.0 35.3
203 16.9 0.0 38.1

Manual Integrations
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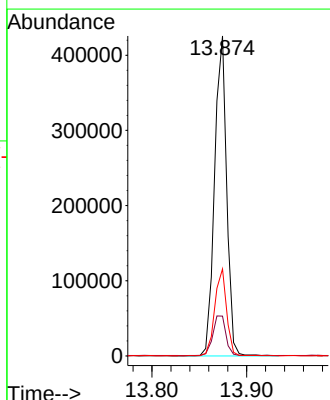
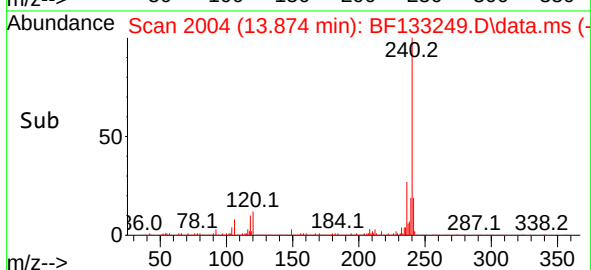
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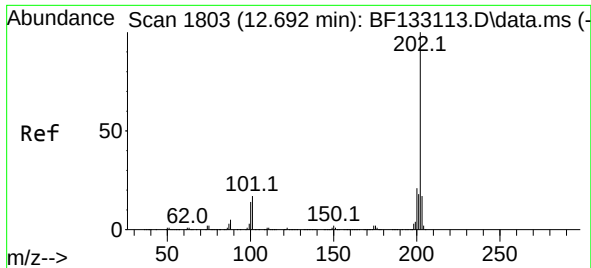


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42



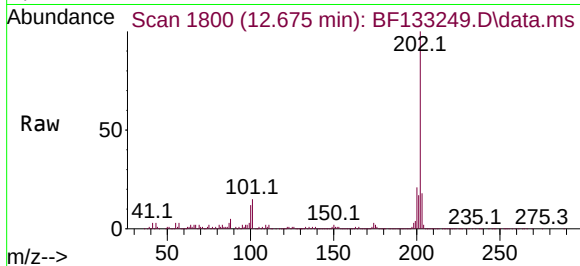
Tgt Ion:240 Resp: 376814
Ion Ratio Lower Upper
240 100
120 12.5 10.5 15.7
236 27.2 21.5 32.3





#78
Pyrene
Concen: 4.355 ng
RT: 12.675 min Scan# 1800
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

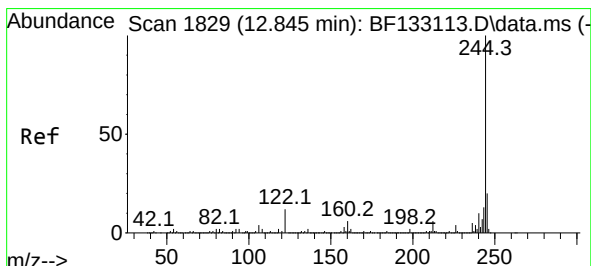
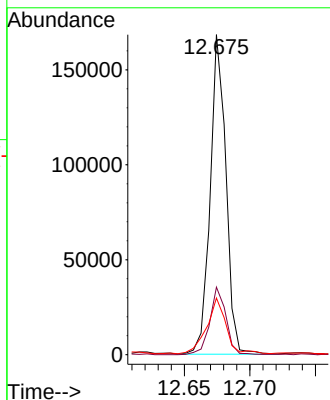
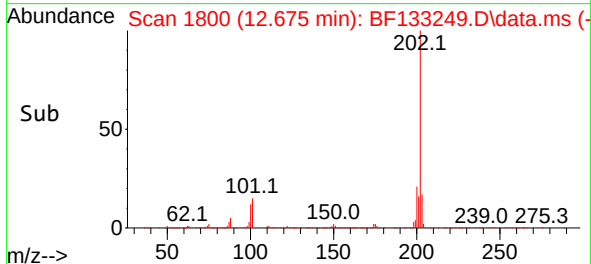
Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023



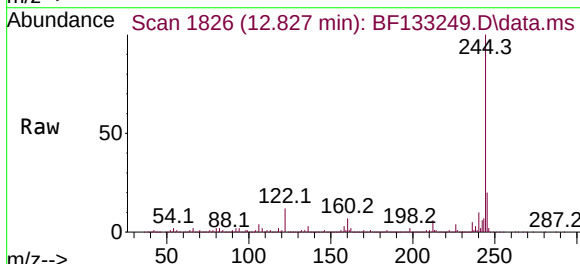
Tgt Ion:202 Resp: 140662
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.7 14.1 21.1

Manual Integrations
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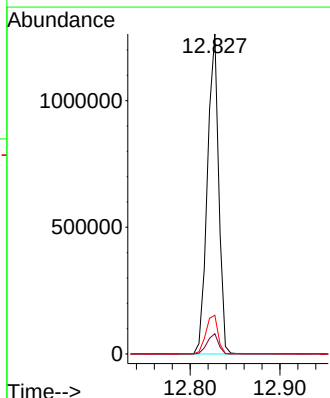
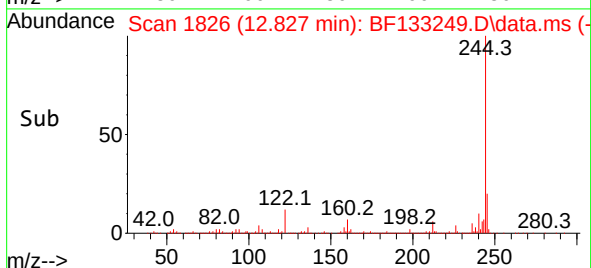
Reviewed By :Christian Giraldo 05/05/2023
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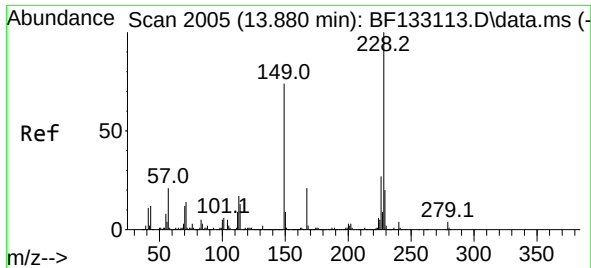


#79
Terphenyl-d14
Concen: 50.475 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42



Tgt Ion:244 Resp: 1102810
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 12.1 8.6 13.0





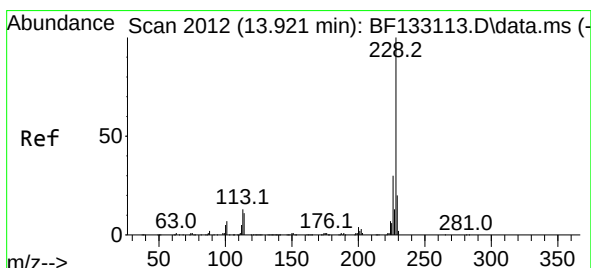
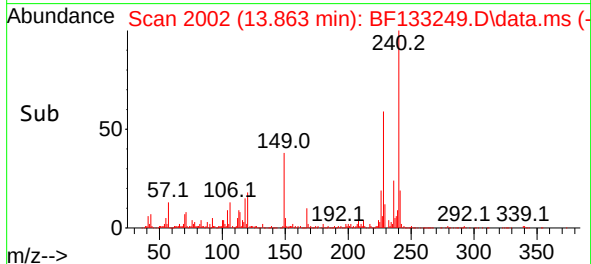
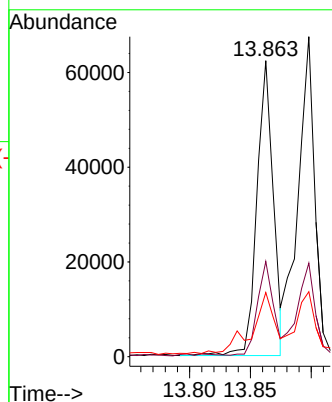
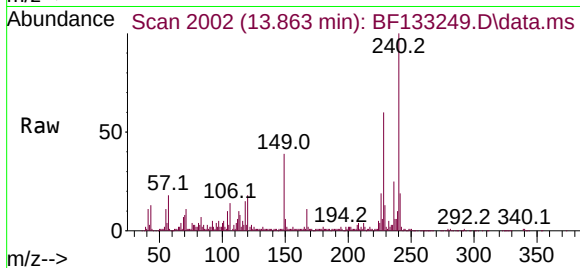
#81
Benzo(a)anthracene
Concen: 2.247 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Instrument :
BNA_F
ClientSampleId :
ZONE-A-0-3-05022023

Tgt Ion:228 Resp: 58218
Ion Ratio Lower Upper
228 100
226 32.2 22.2 33.4
229 21.7 16.0 24.0

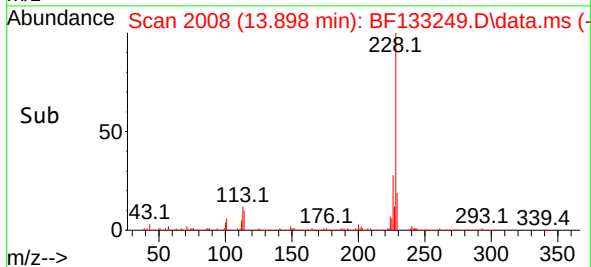
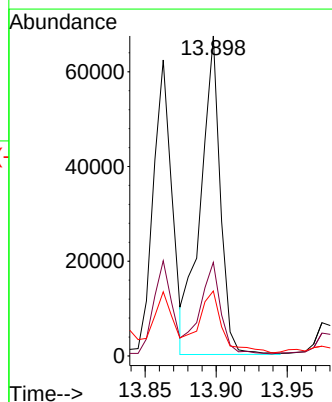
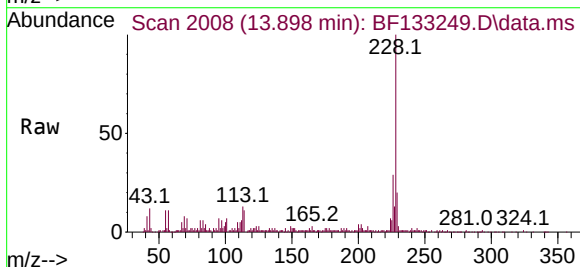
Manual Integrations
APPROVED

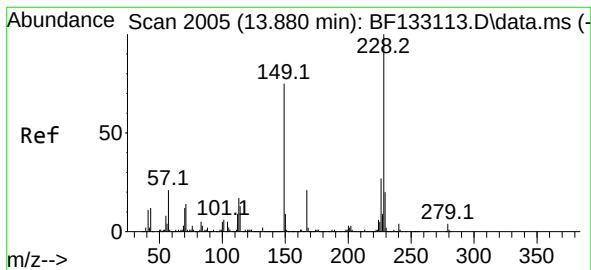
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#83
Chrysene
Concen: 2.520 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133249.D
Acq: 05 May 2023 00:42

Tgt Ion:228 Resp: 65295
Ion Ratio Lower Upper
228 100
226 29.2 24.7 37.1
229 20.3 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.566 ng

RT: 13.863 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

Instrument :

BNA_F

ClientSampleId :

ZONE-A-0-3-05022023

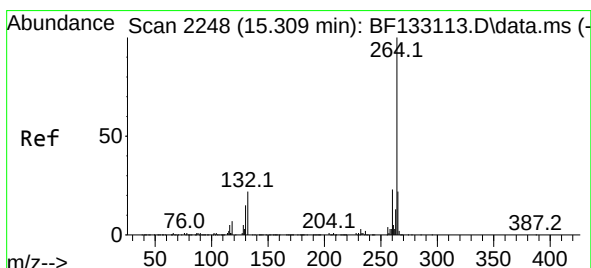
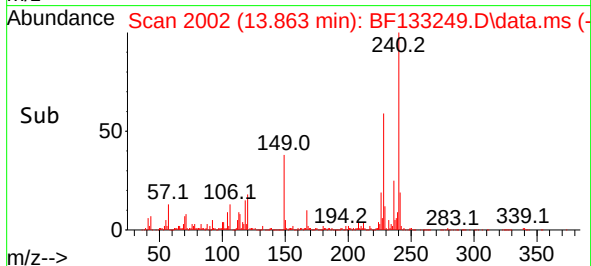
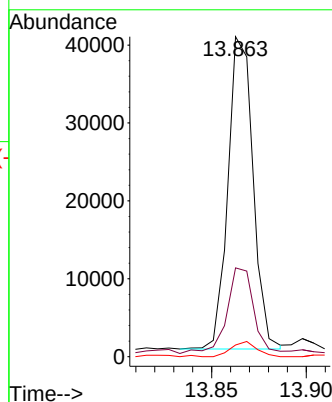
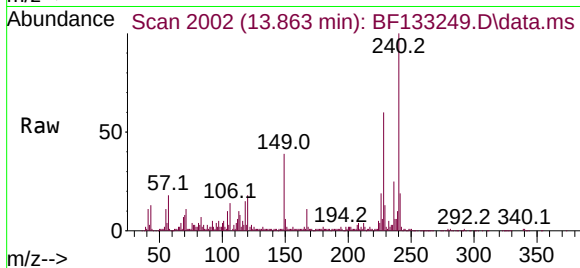
Tgt Ion:	149	Resp:	3684
Ion Ratio	Lower	Upper	
149	100		
167	27.8	22.5	33.7
279	3.7	4.2	6.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#86

Perylene-d12

Concen: 20.000 ng

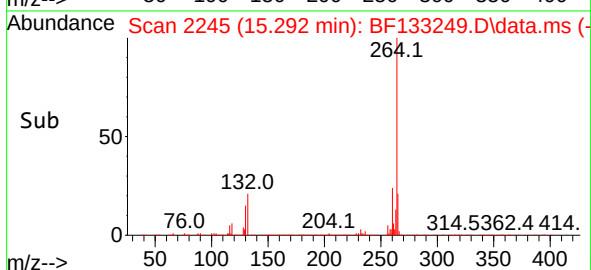
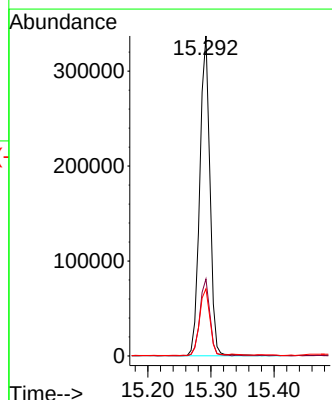
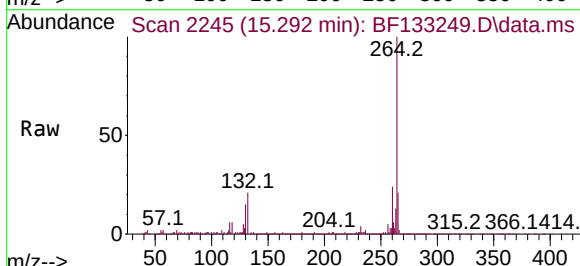
RT: 15.292 min Scan# 2245

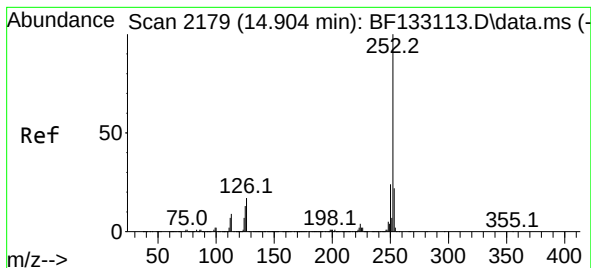
Delta R.T. -0.006 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

Tgt Ion:	264	Resp:	375591
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.8	28.2
265	21.0	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 3.296 ng m

RT: 14.886 min Scan# 2179

Delta R.T. -0.012 min

Lab File: BF133249.D

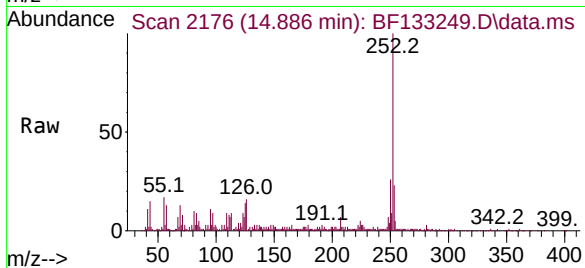
Acq: 05 May 2023 00:42

Instrument :

BNA_F

ClientSampleId :

ZONE-A-0-3-05022023



Tgt Ion:252 Resp: 7876

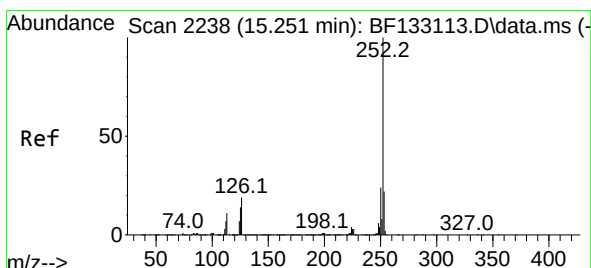
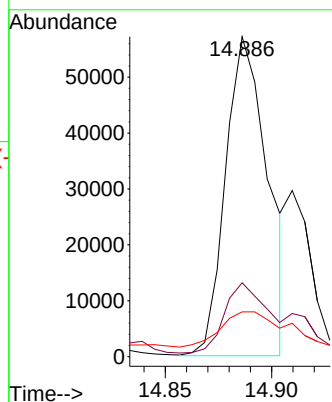
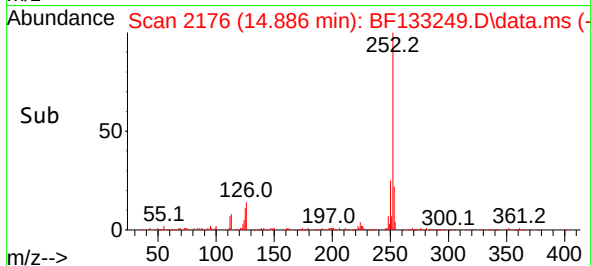
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	14.0	8.9	13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#90

Benzo(a)pyrene

Concen: 2.196 ng

RT: 15.227 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF133249.D

Acq: 05 May 2023 00:42

Tgt Ion:252 Resp: 47771

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	17.9	10.5	15.7

