

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
 Data File : BF132932.D
 Acq On : 20 Apr 2023 01:50
 Operator : CG\JU
 Sample : 02384-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF-8PT-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/20/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 20 04:22:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 18 04:51:21 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	286504	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	1127545	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	565306	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	909459	20.000	ng	0.00
76) Chrysene-d12	13.921	240	595916	20.000	ng	0.00
86) Perylene-d12	15.351	264	508277	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	300851	16.420	ng	0.00
7) Phenol-d6	6.381	99	387251	16.563	ng	-0.02
23) Nitrobenzene-d5	7.322	82	227894	10.535	ng	-0.01
42) 2,4,6-Tribromophenol	10.581	330	73542	12.970	ng	-0.01
45) 2-Fluorobiphenyl	9.122	172	449242	12.208	ng	-0.01
79) Terphenyl-d14	12.869	244	375274	10.744	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.069	128	519004	9.109	ng	98
37) 2-Methylnaphthalene	8.757	142	80151	2.044	ng	98
49) Acenaphthylene	9.657	152	146012	2.760	ng	98
55) Dibenzofuran	10.004	168	123171	2.547	ng	96
58) Fluorene	10.345	166	124216	3.507	ng	100
71) Phenanthrene	11.304	178	891778	18.230	ng	99
72) Anthracene	11.357	178	260781	5.208	ng	99
75) Fluoranthene	12.498	202	1578472	32.447	ng	99
78) Pyrene	12.722	202	1359145	27.893	ng	100
80) Butylbenzylphthalate	13.345	149	7719	5.720	ng	87
81) Benzo(a)anthracene	13.910	228	767844m	18.947	ng	
83) Chrysene	13.945	228	625754	15.535	ng	98
87) Indeno(1,2,3-cd)pyrene	16.745	276	273601	9.420	ng	95
88) Benzo(b)fluoranthene	14.945	252	843760m	26.650	ng	
89) Benzo(k)fluoranthene	14.968	252	205261m	6.508	ng	
90) Benzo(a)pyrene	15.292	252	540193	18.676	ng	# 97
91) Dibenzo(a,h)anthracene	16.751	278	72925	2.947	ng	93
92) Benzo(g,h,i)perylene	17.162	276	248438	10.485	ng	98

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

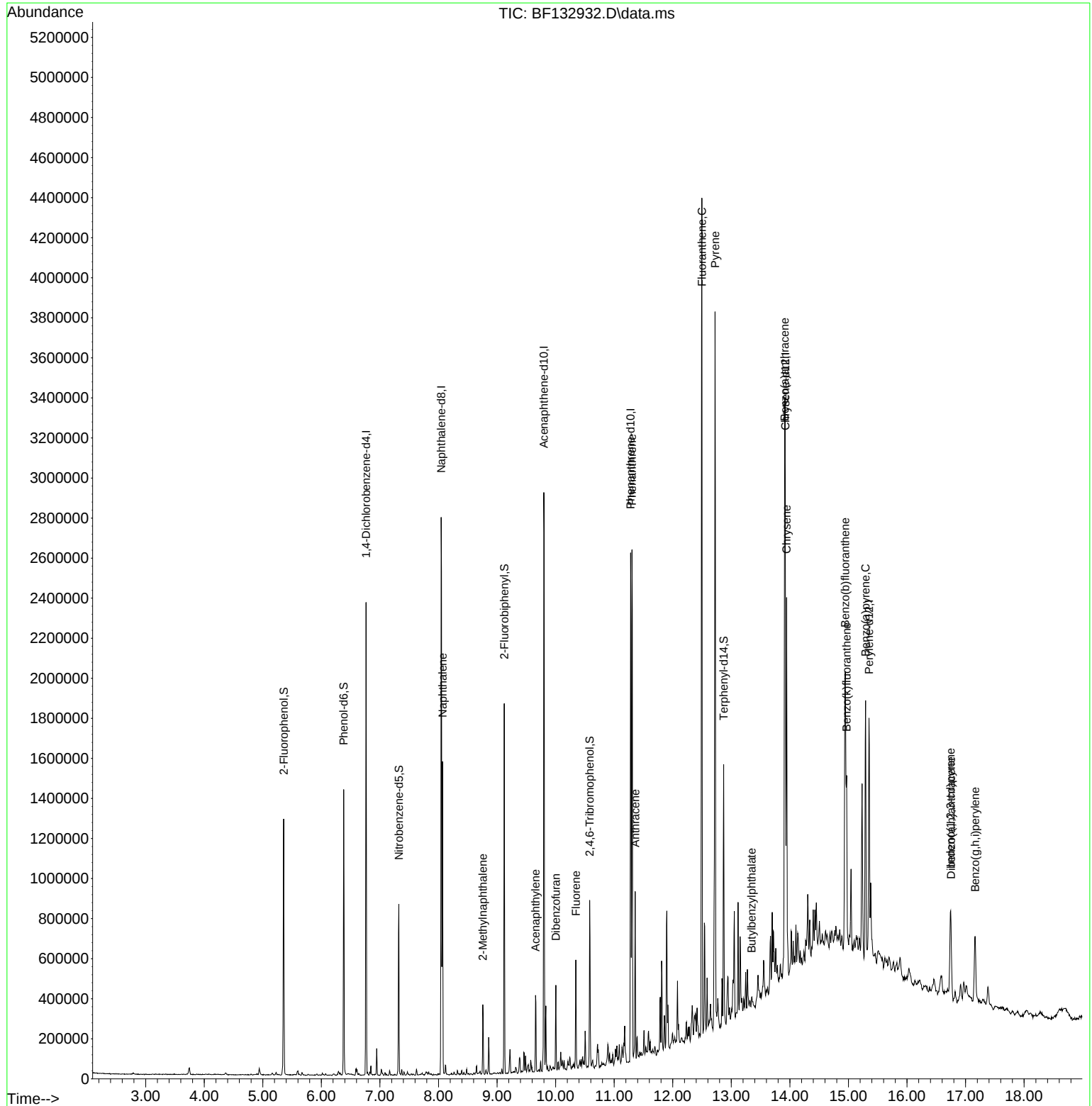
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132932.D
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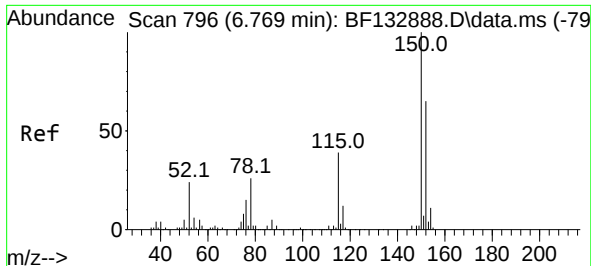
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Quant Time: Apr 20 04:22:39 2023
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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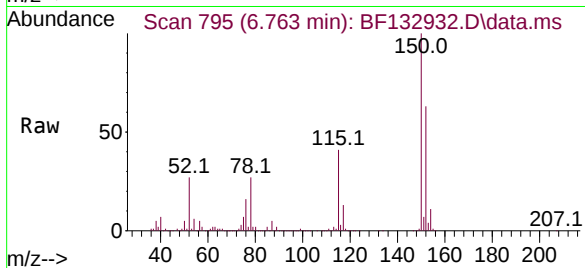
Reviewed By : Christian Giraldo 04/20/2023
Supervised By : Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

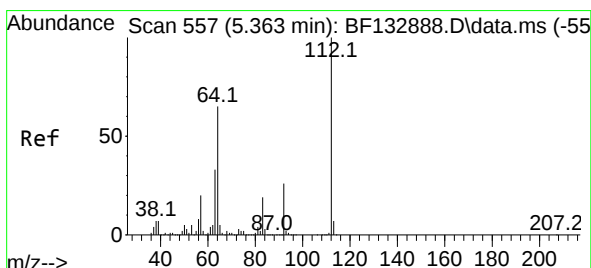
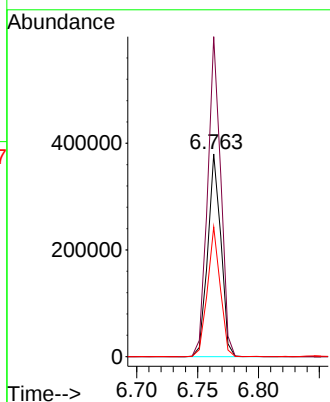
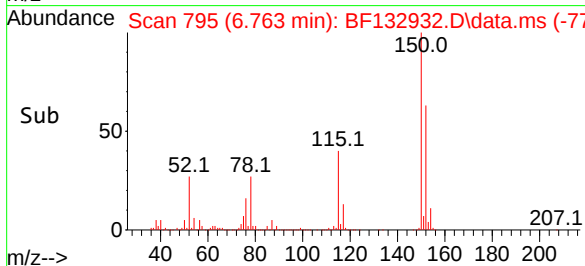
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-8PT-COMP



Tgt Ion:152 Resp: 286504
Ion Ratio Lower Upper
152 100
150 157.9 122.8 184.2
115 64.0 47.3 70.9

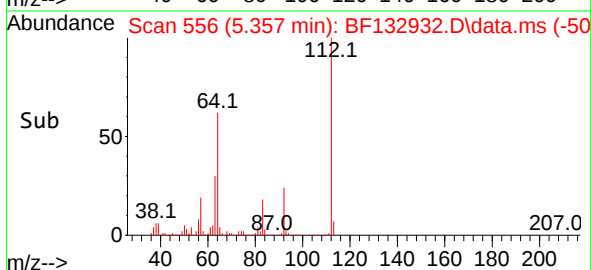
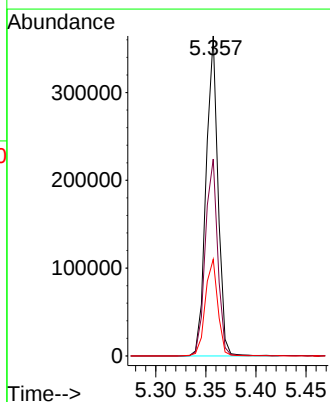
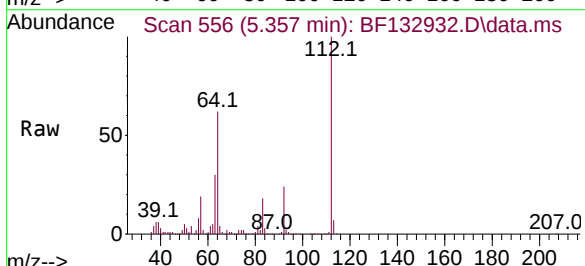
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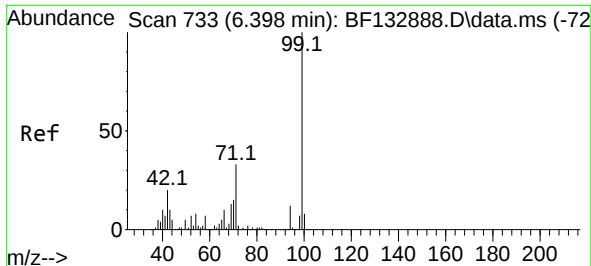
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#5
2-Fluorophenol
Concen: 16.420 ng
RT: 5.357 min Scan# 556
Delta R.T. -0.006 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

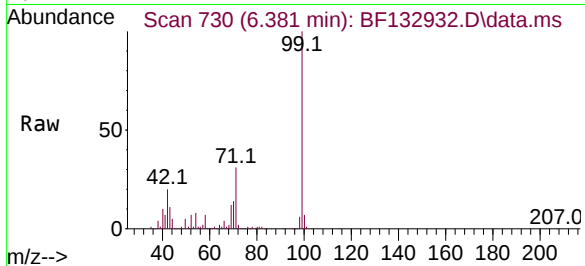
Tgt Ion:112 Resp: 300851
Ion Ratio Lower Upper
112 100
64 61.5 51.8 77.8
63 30.2 26.3 39.5





#7
Phenol-d6
Concen: 16.563 ng
RT: 6.381 min Scan# 733
Delta R.T. -0.017 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

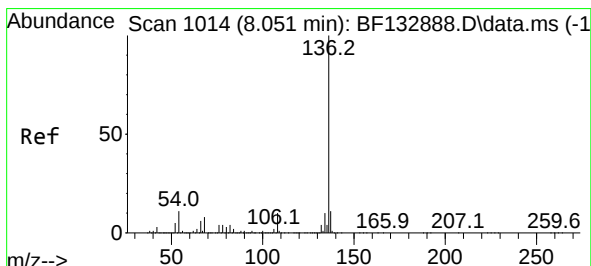
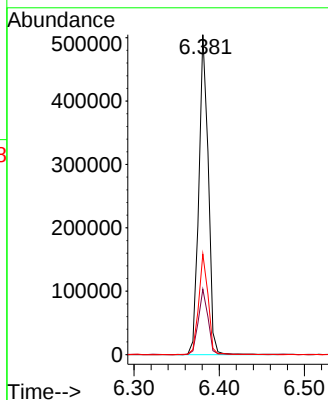
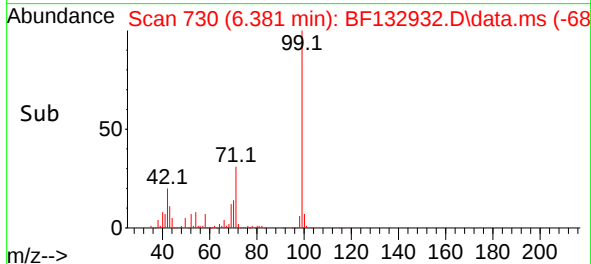
Instrument :
BNA_F
ClientSampleId :
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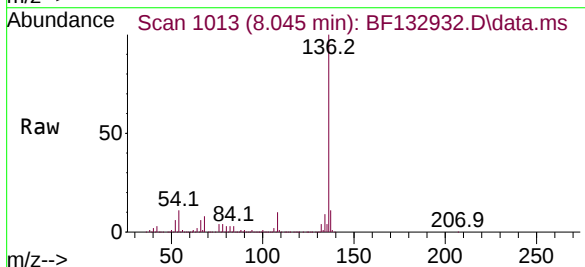
Tgt Ion: 99 Resp: 38725
Ion Ratio Lower Upper
99 100
42 20.5 16.1 24.1
71 31.4 26.1 39.1

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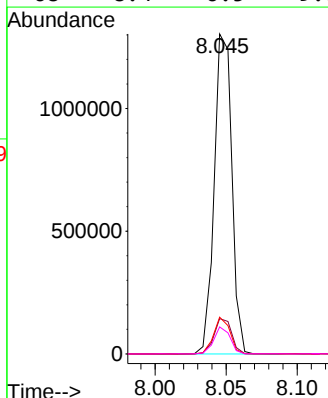
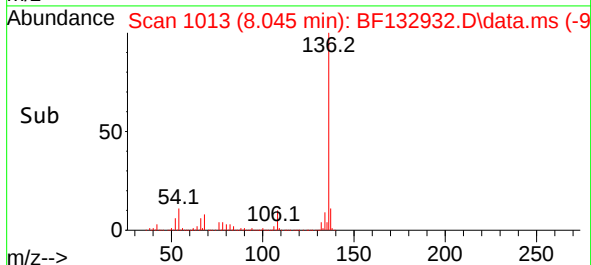
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023

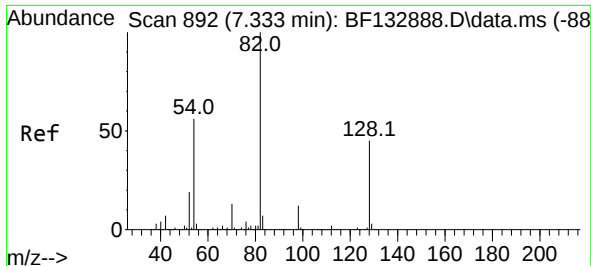


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50



Tgt Ion:136 Resp: 1127545
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 11.5 8.9 13.3
68 8.4 6.5 9.7





#23

Nitrobenzene-d5

Concen: 10.535 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

Instrument :

BNA_F

ClientSampleId :

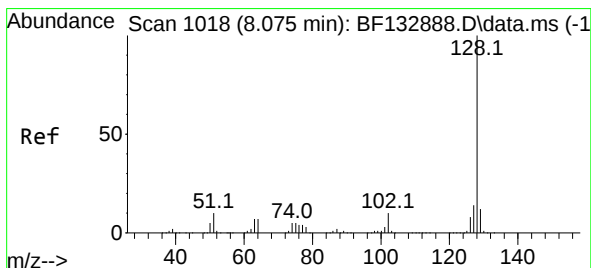
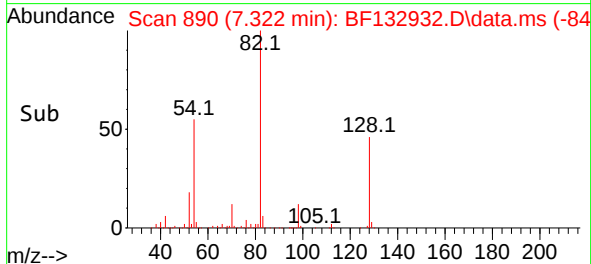
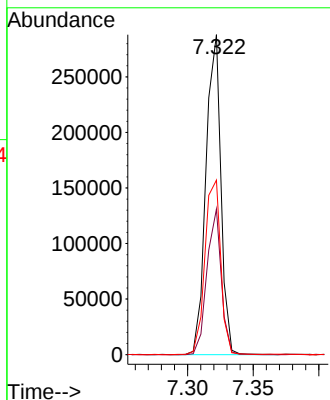
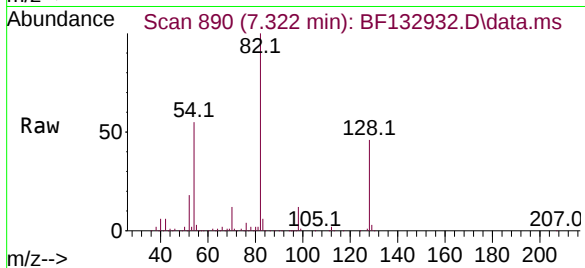
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Tgt Ion: 82 Resp: 227894
 Ion Ratio Lower Upper
 82 100
 128 45.5 35.7 53.5
 54 54.5 44.7 67.1

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 Supervised By :Jagrut Upadhyay 04/24/2023



#31

Naphthalene

Concen: 9.109 ng

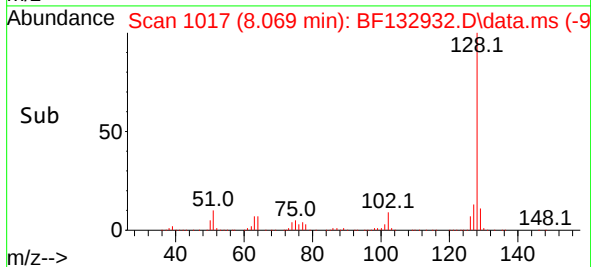
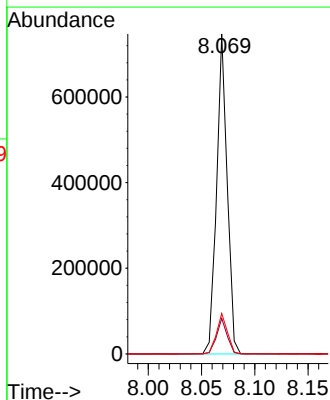
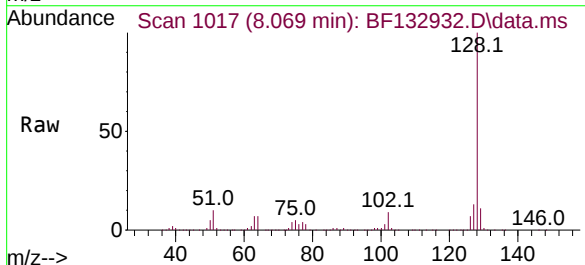
RT: 8.069 min Scan# 1017

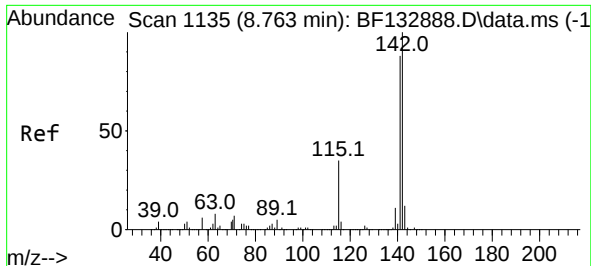
Delta R.T. -0.006 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

Tgt Ion:128 Resp: 519004
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.4 14.0
 127 12.6 11.0 16.6





#37

2-Methylnaphthalene

Concen: 2.044 ng

RT: 8.757 min Scan# 1135

Delta R.T. -0.006 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-8PT-COMP

Tgt Ion:142 Resp: 8015

Ion Ratio Lower Upper

142 100

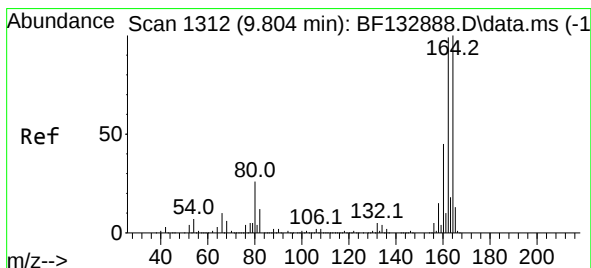
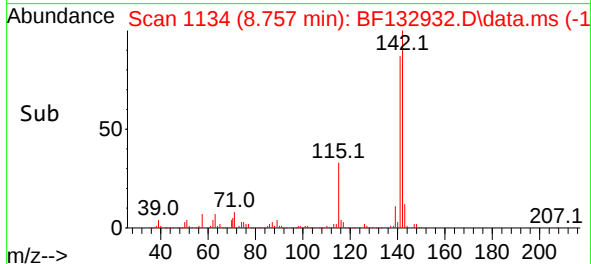
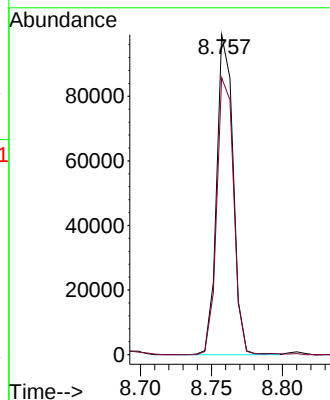
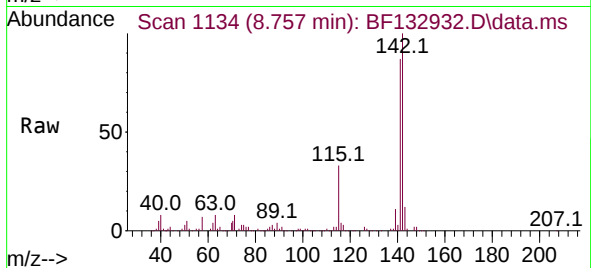
141 86.5 70.4 105.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/24/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

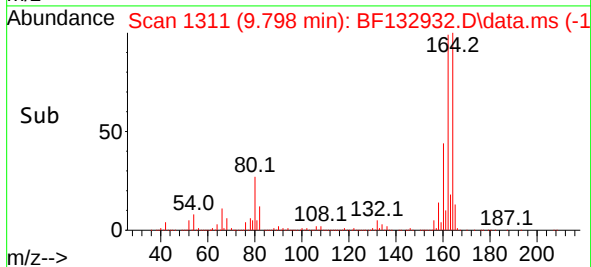
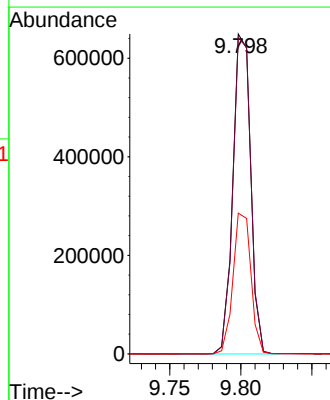
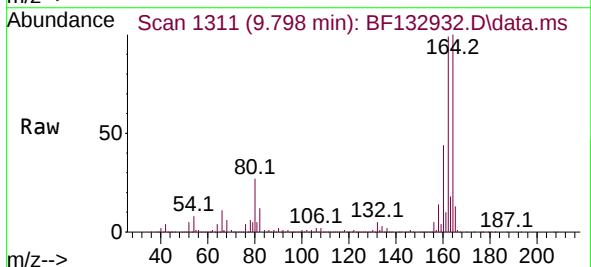
Tgt Ion:164 Resp: 565306

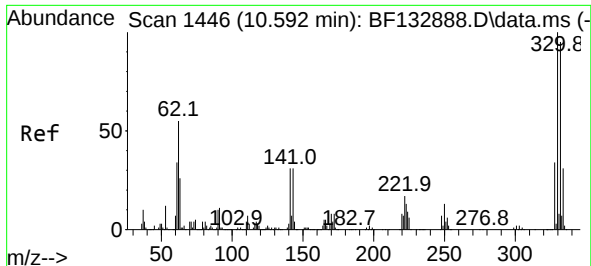
Ion Ratio Lower Upper

164 100

162 99.0 79.1 118.7

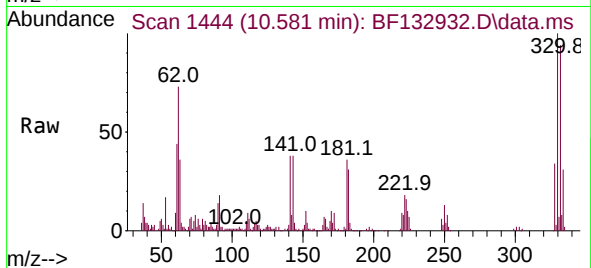
160 44.0 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 12.970 ng
RT: 10.581 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

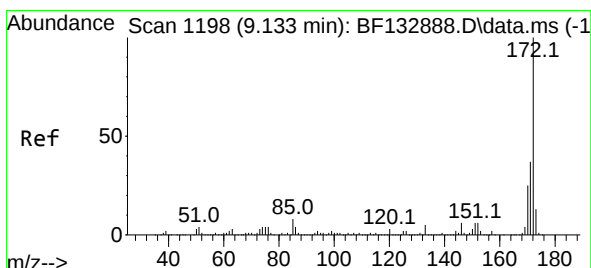
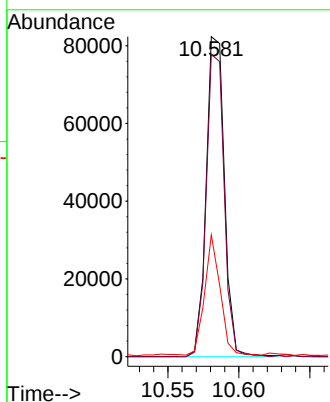
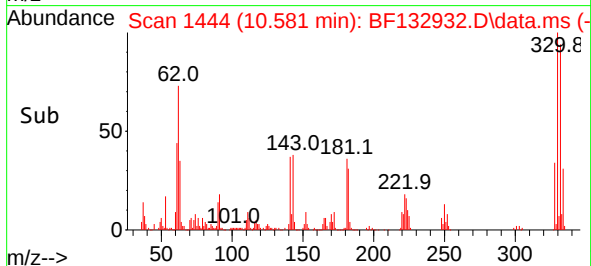
Instrument :
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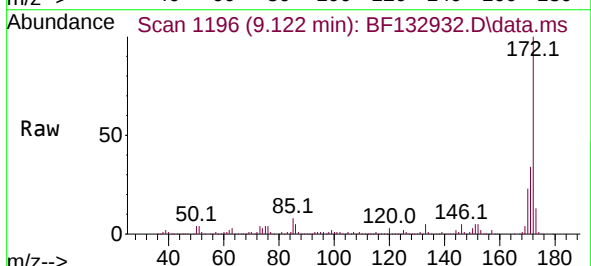
Tgt Ion: 330 Resp: 73542
Ion Ratio Lower Upper
330 100
332 93.2 76.3 114.5
141 32.0 23.9 35.9

Manual Integrations
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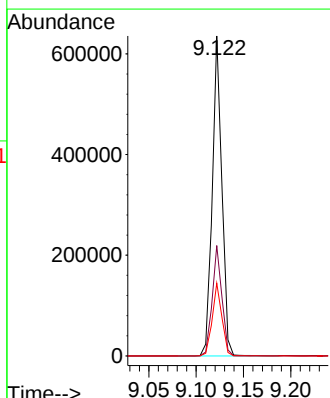
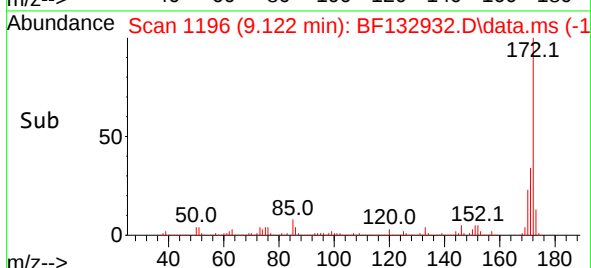
Reviewed By : Christian Giraldo 04/20/2023
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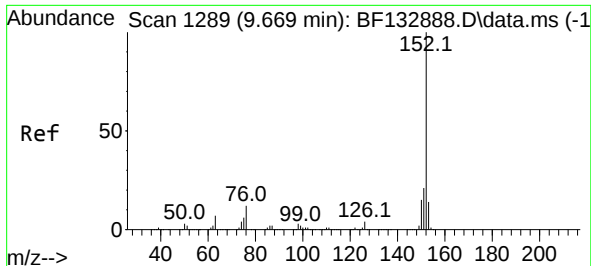


#45
2-Fluorobiphenyl
Concen: 12.208 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.012 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50



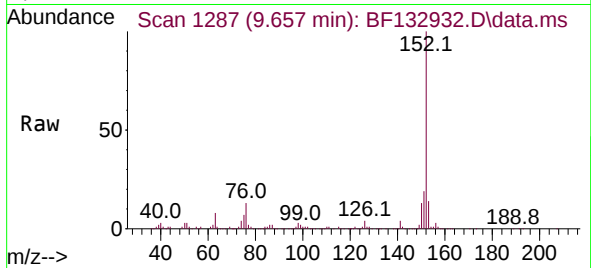
Tgt Ion: 172 Resp: 449242
Ion Ratio Lower Upper
172 100
171 34.5 29.4 44.0
170 22.7 20.1 30.1





#49
Acenaphthylene
Concen: 2.760 ng
RT: 9.657 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

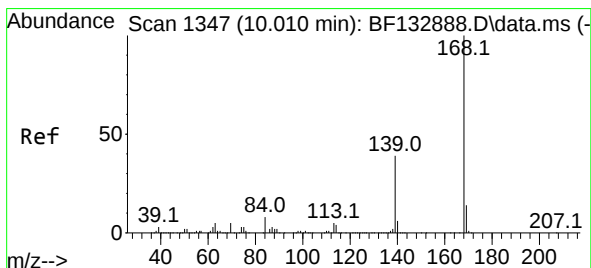
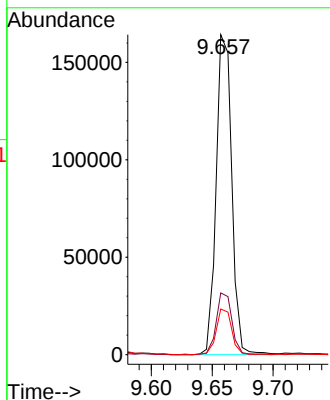
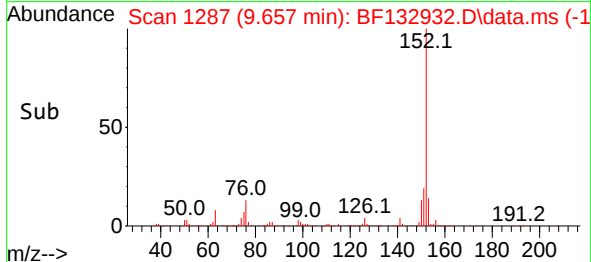
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ROLL-OFF-8PT-COMP



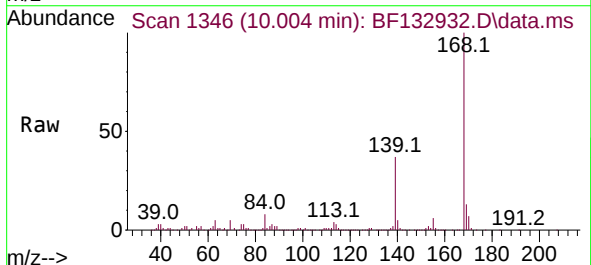
Tgt Ion:152 Resp: 146012
Ion Ratio Lower Upper
152 100
151 19.3 16.4 24.6
153 14.2 11.4 17.0

Manual Integrations
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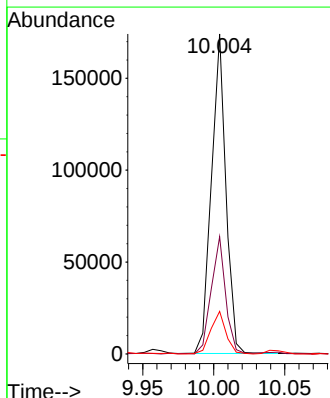
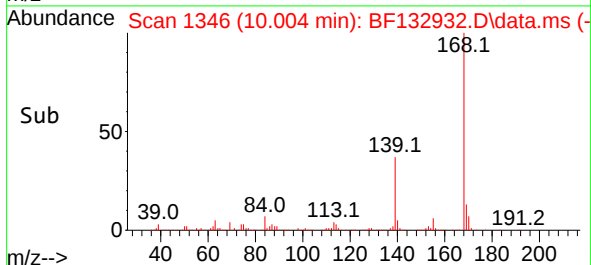
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023

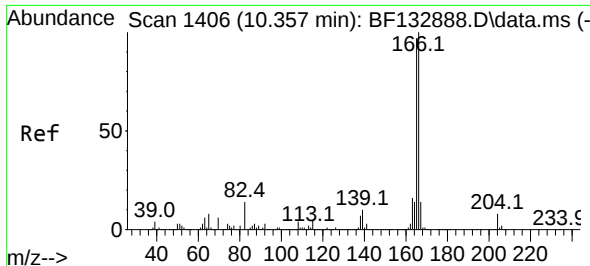


#55
Dibenzofuran
Concen: 2.547 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50



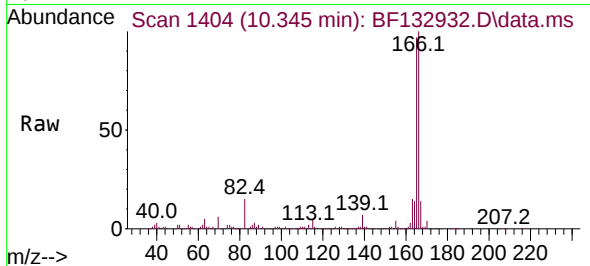
Tgt Ion:168 Resp: 123171
Ion Ratio Lower Upper
168 100
139 36.6 31.4 47.0
169 13.3 11.2 16.8





#58
Fluorene
Concen: 3.507 ng
RT: 10.345 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

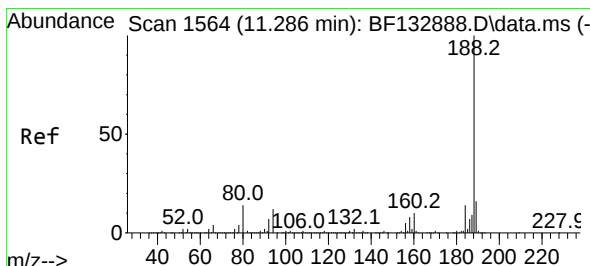
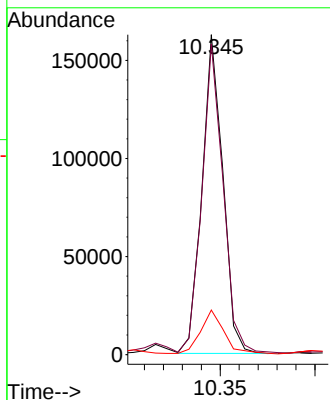
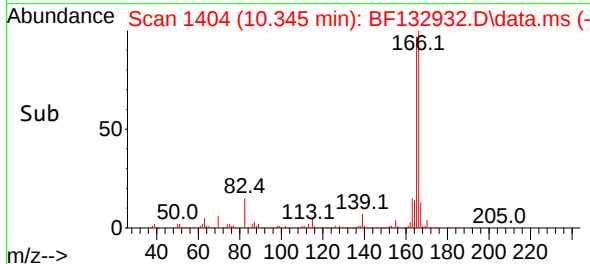
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-8PT-COMP



Tgt Ion:166 Resp: 124216
Ion Ratio Lower Upper
166 100
165 97.1 78.0 117.0
167 13.9 11.0 16.4

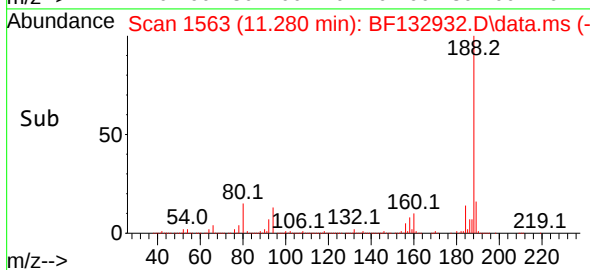
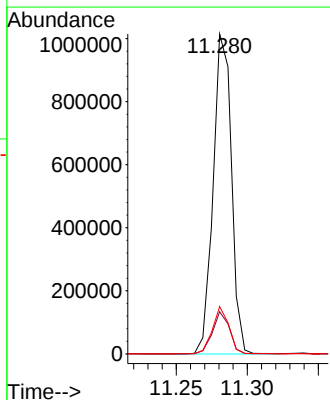
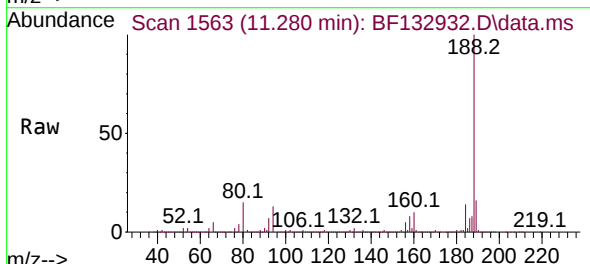
Manual Integrations
APPROVED

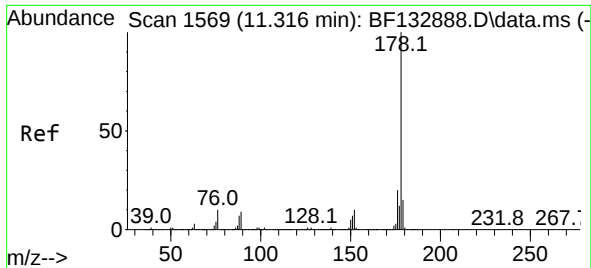
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

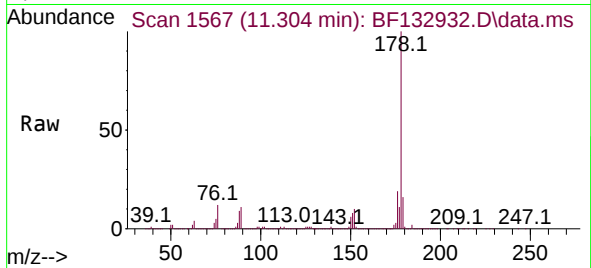
Tgt Ion:188 Resp: 909459
Ion Ratio Lower Upper
188 100
94 13.2 9.9 14.9
80 14.8 10.8 16.2





#71
Phenanthrene
Concen: 18.230 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

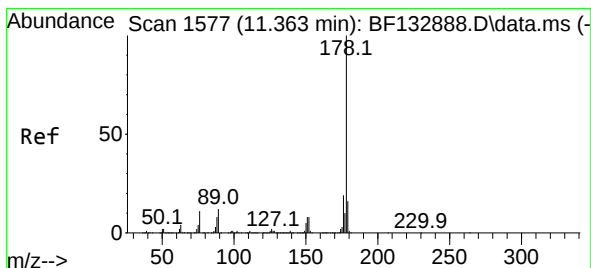
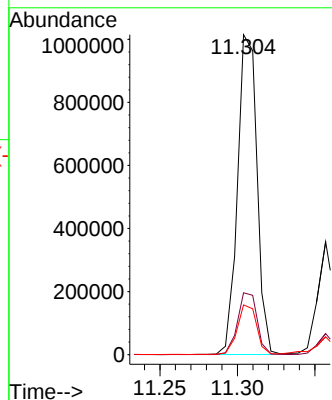
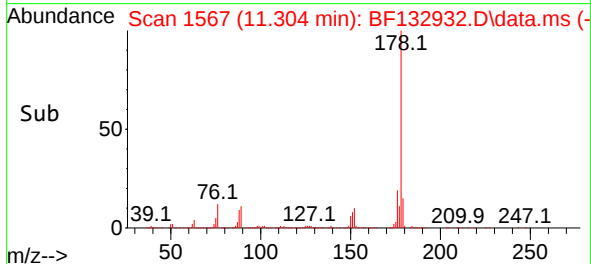
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-8PT-COMP



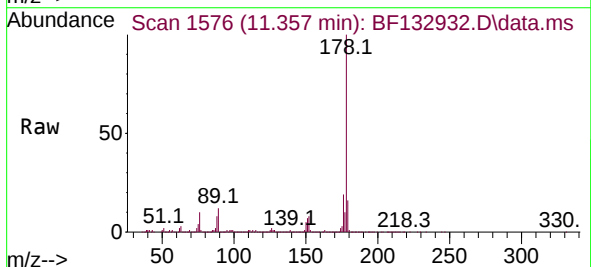
Tgt Ion:178 Resp: 891778
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.5 12.3 18.5

Manual Integrations
APPROVED

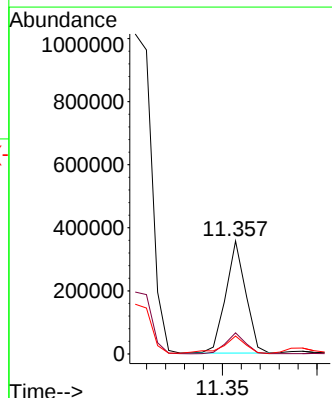
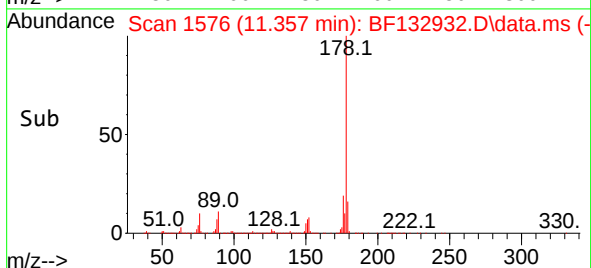
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023

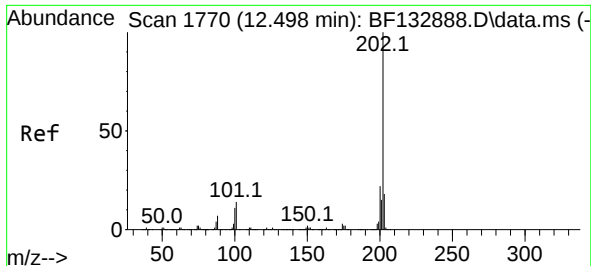


#72
Anthracene
Concen: 5.208 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50



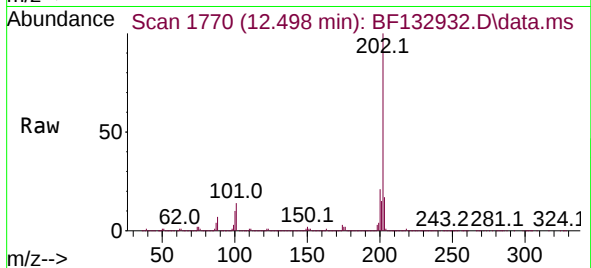
Tgt Ion:178 Resp: 260781
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 15.8 12.8 19.2





#75
Fluoranthene
Concen: 32.447 ng
RT: 12.498 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

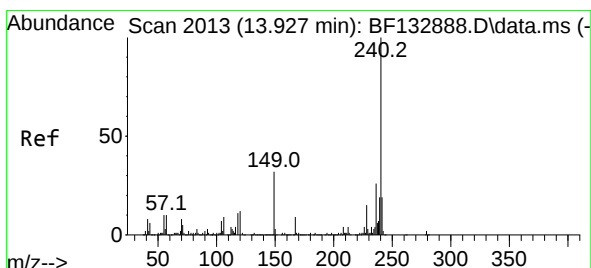
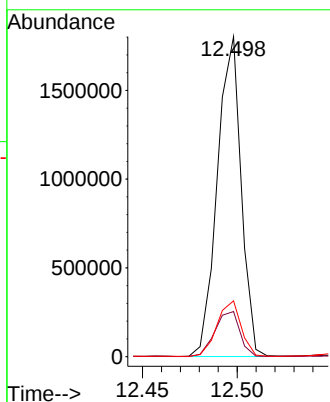
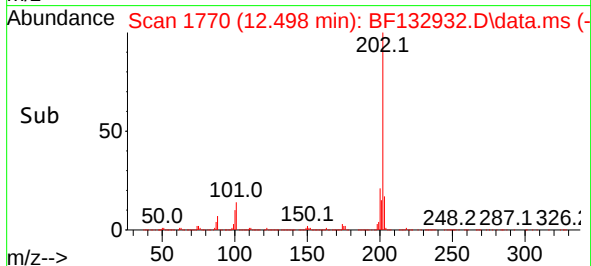
Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-8PT-COMP



Tgt Ion:202 Resp: 1578472
Ion Ratio Lower Upper
202 100
101 14.1 0.0 34.5
203 17.4 0.0 38.2

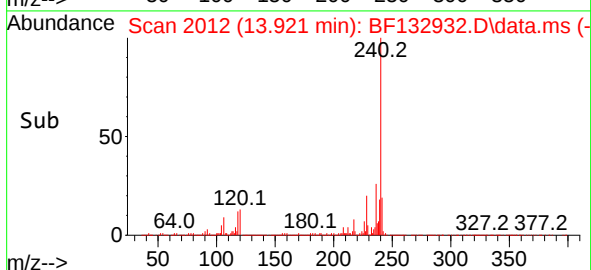
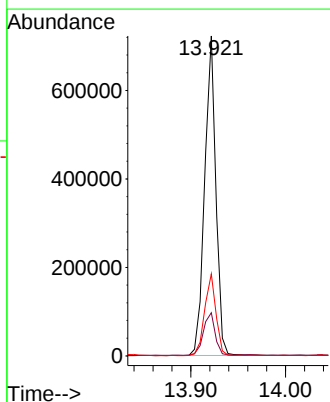
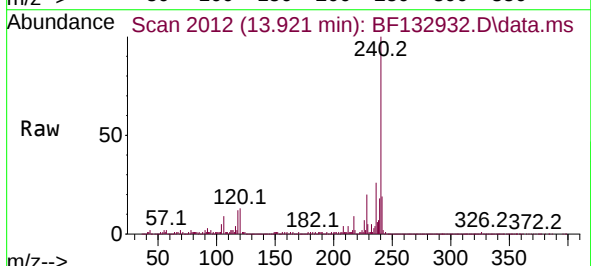
Manual Integrations
APPROVED

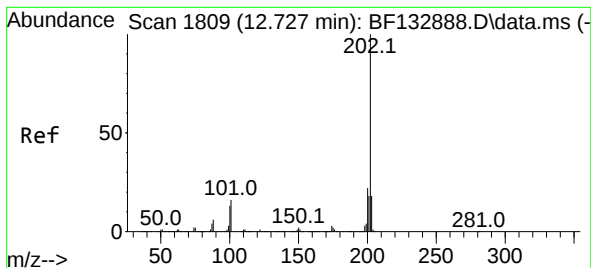
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

Tgt Ion:240 Resp: 595916
Ion Ratio Lower Upper
240 100
120 13.5 10.0 15.0
236 25.6 20.8 31.2





#78

Pyrene

Concen: 27.893 ng

RT: 12.722 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF132932.D

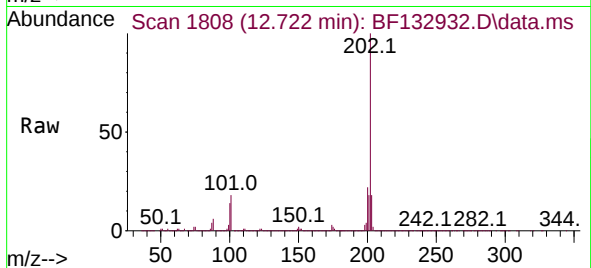
Acq: 20 Apr 2023 01:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-8PT-COMP



Tgt Ion:202 Resp: 1359145

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

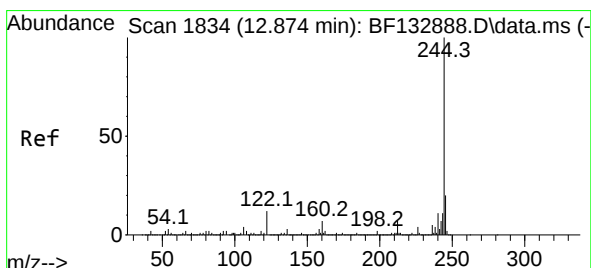
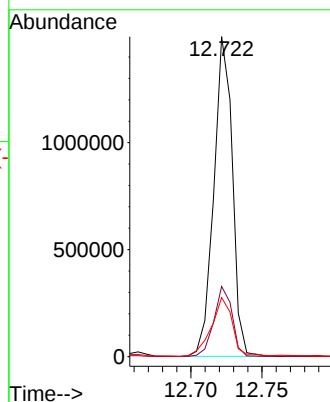
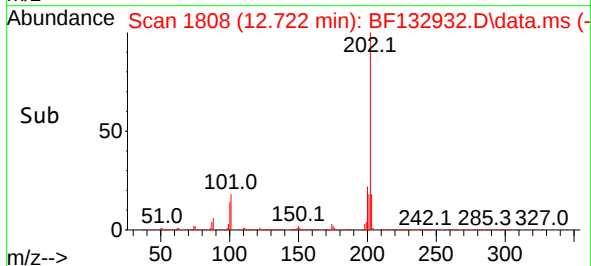
203 18.4 14.6 22.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/20/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#79

Terphenyl-d14

Concen: 10.744 ng

RT: 12.869 min Scan# 1833

Delta R.T. -0.006 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

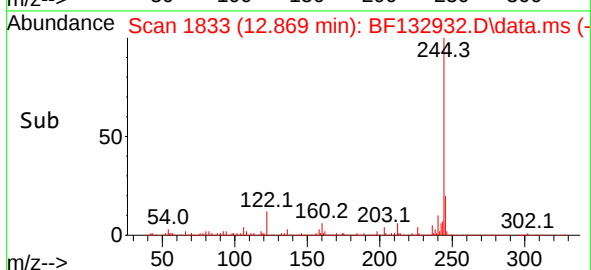
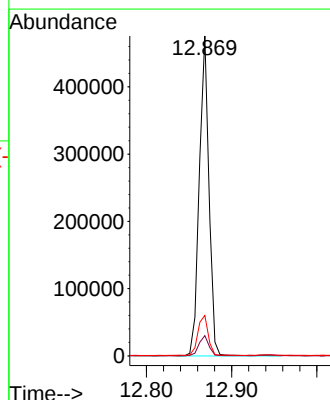
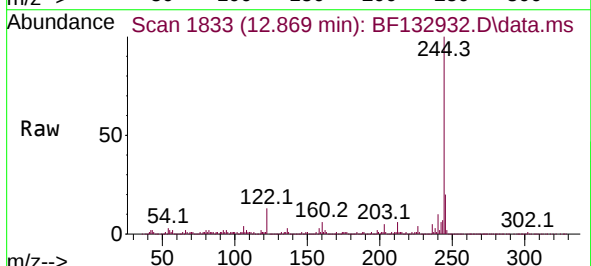
Tgt Ion:244 Resp: 375274

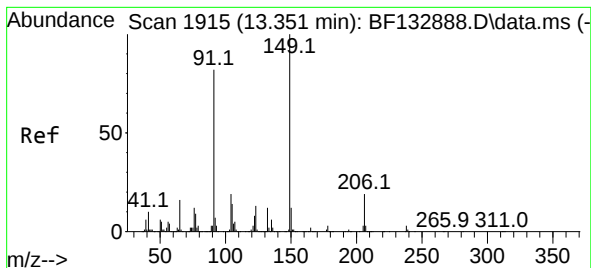
Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

122 12.6 9.6 14.4





#80

Butylbenzylphthalate

Concen: 5.720 ng

RT: 13.345 min Scan# 1915

Delta R.T. -0.006 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-8PT-COMP

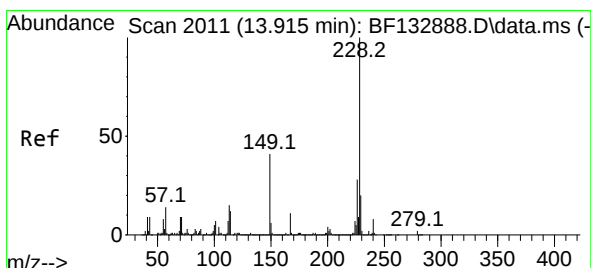
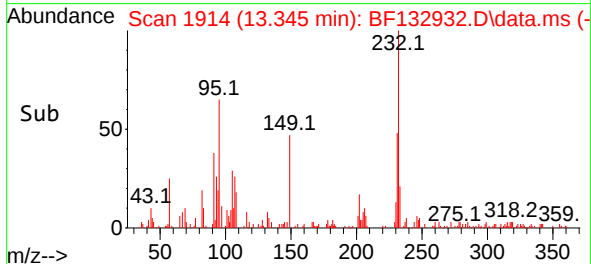
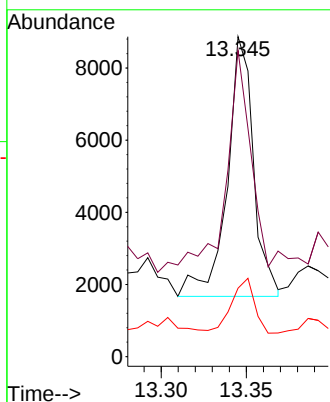
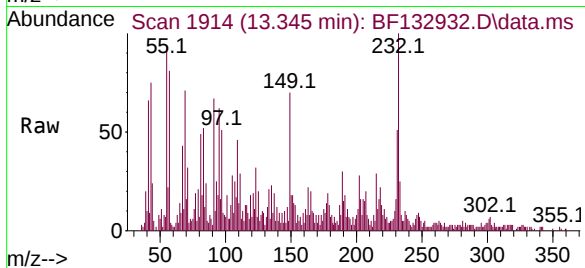
Tgt Ion:	149	Resp:	7719
Ion Ratio	Lower	Upper	
149	100		
91	95.7	65.4	98.0
206	21.4	15.6	23.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/20/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#81

Benzo(a)anthracene

Concen: 18.947 ng m

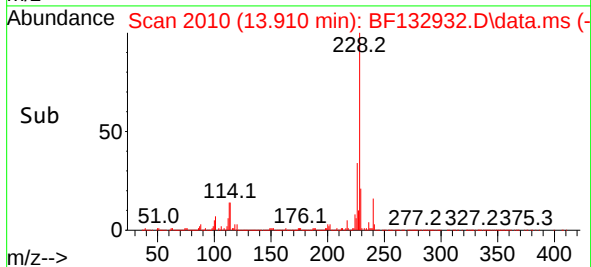
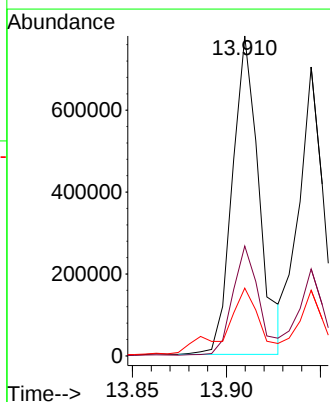
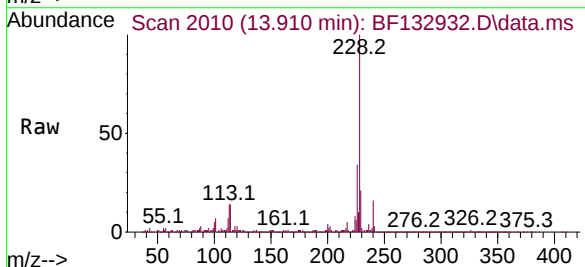
RT: 13.910 min Scan# 2010

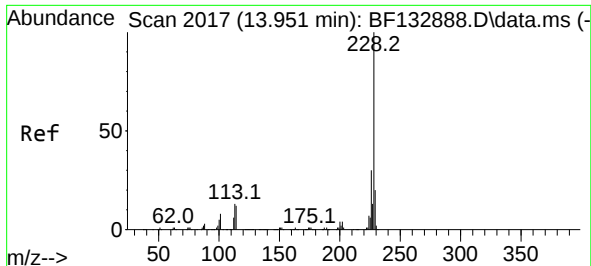
Delta R.T. -0.006 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

Tgt Ion:	228	Resp:	767844
Ion Ratio	Lower	Upper	
228	100		
226	34.3	22.4	33.6
229	21.2	16.2	24.2





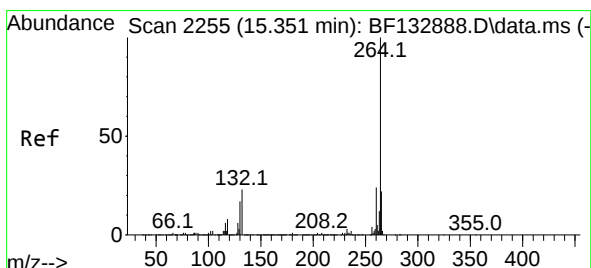
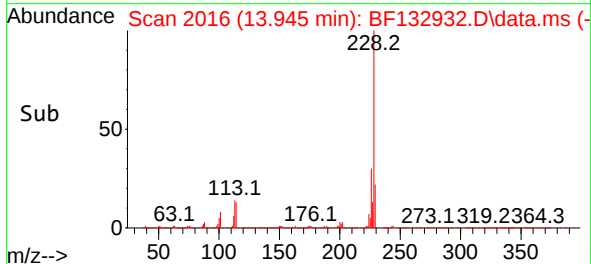
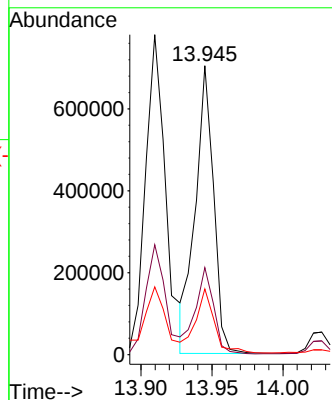
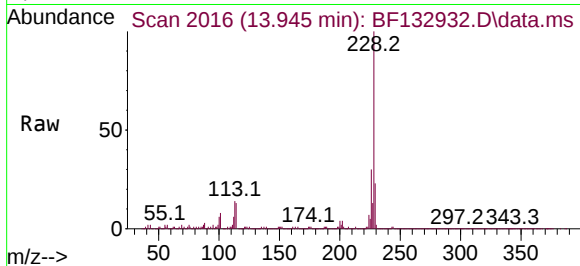
#83
Chrysene
Concen: 15.535 ng
RT: 13.945 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-8PT-COMP

Tgt Ion:228 Resp: 625754
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 22.7 16.2 24.4

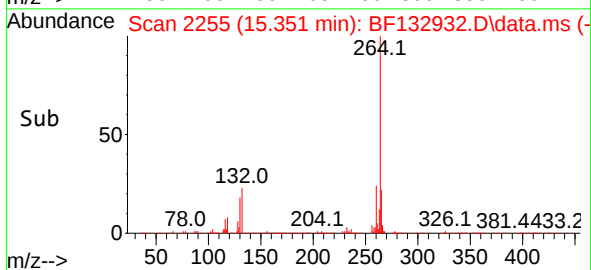
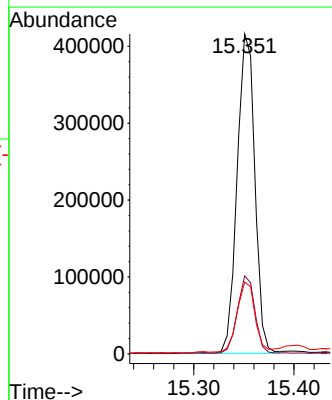
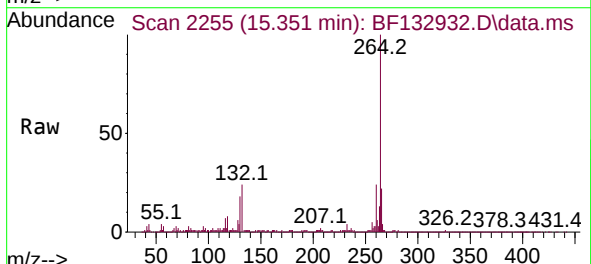
Manual Integrations
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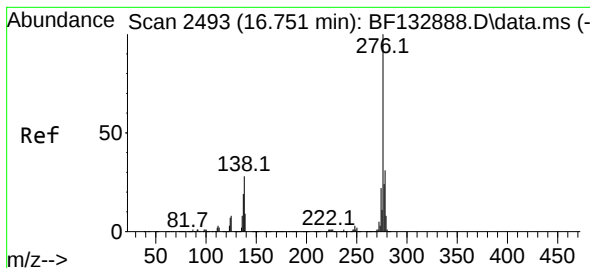
Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.351 min Scan# 2255
Delta R.T. -0.000 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

Tgt Ion:264 Resp: 508277
Ion Ratio Lower Upper
264 100
260 24.4 19.0 28.6
265 22.4 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.420 ng

RT: 16.745 min Scan# 2493

Delta R.T. -0.006 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

Instrument :

BNA_F

ClientSampleId :

ROLL-OFF-8PT-COMP

Tgt Ion:276 Resp: 273600

Ion Ratio Lower Upper

276 100

138 26.7 25.5 38.3

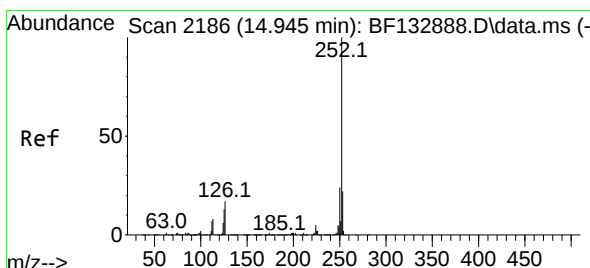
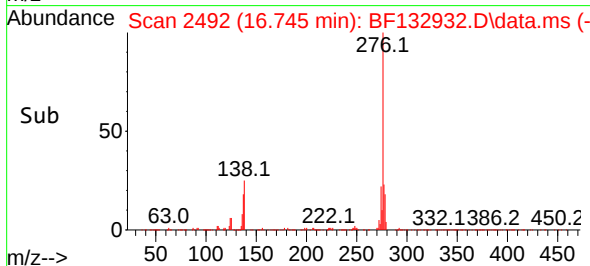
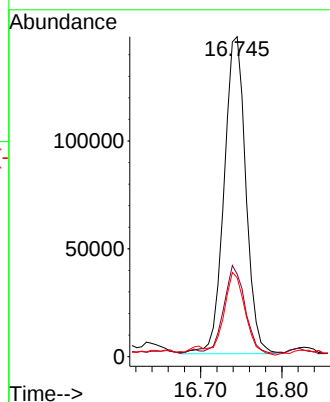
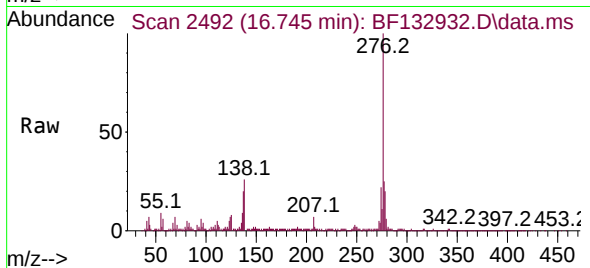
277 25.4 20.3 30.5

Manual Integrations

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Reviewed By :Christian Giraldo 04/20/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#88

Benzo(b)fluoranthene

Concen: 26.650 ng m

RT: 14.945 min Scan# 2186

Delta R.T. 0.000 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

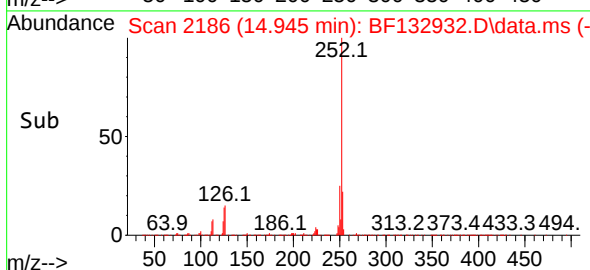
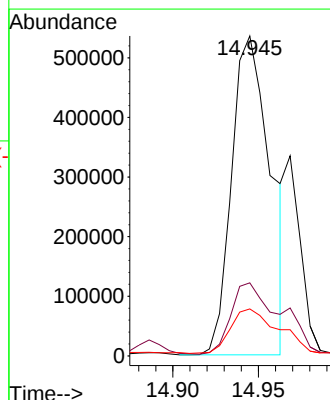
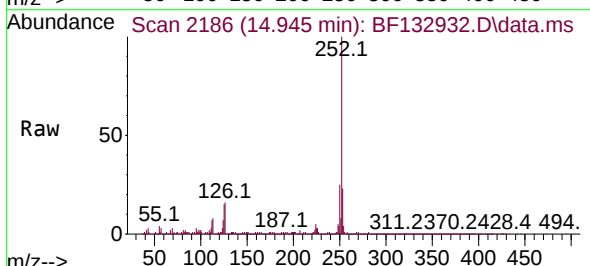
Tgt Ion:252 Resp: 843760

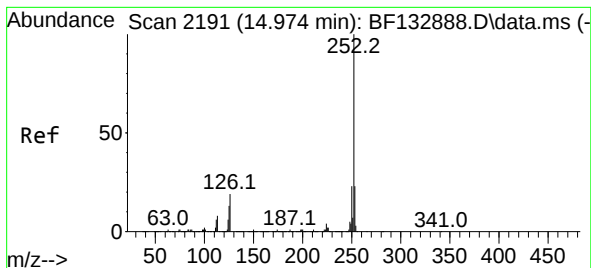
Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

125 14.7 10.0 15.0





#89

Benzo(k)fluoranthene

Concen: 6.508 ng m

RT: 14.968 min Scan# 2191

Delta R.T. -0.006 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

Instrument :

BNA_F

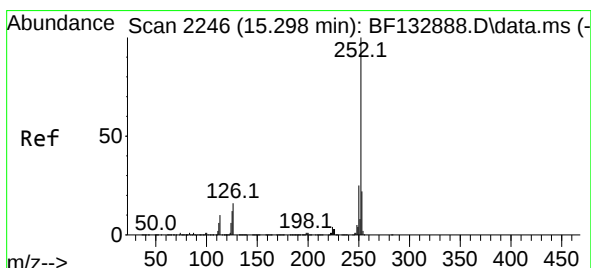
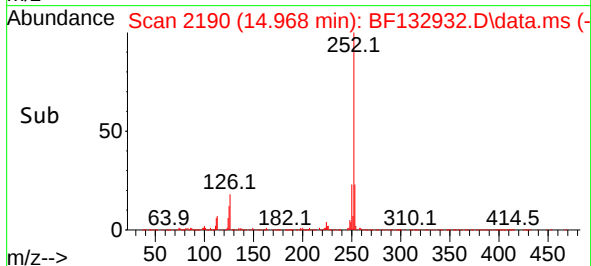
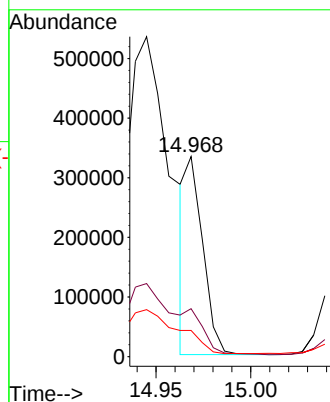
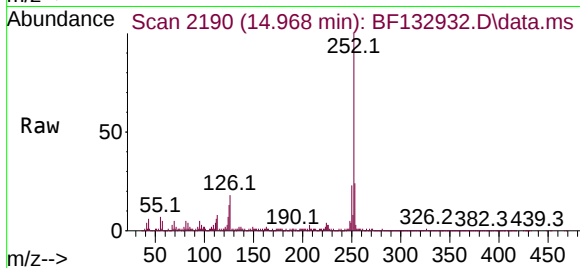
ClientSampleId :

ROLL-OFF-8PT-COMP

Tgt Ion:252 Resp: 205263
 Ion Ratio Lower Upper
 252 100
 253 24.0 18.0 27.0
 125 13.1 10.0 15.0

Manual Integrations
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Reviewed By :Christian Giraldo 04/20/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#90

Benzo(a)pyrene

Concen: 18.676 ng

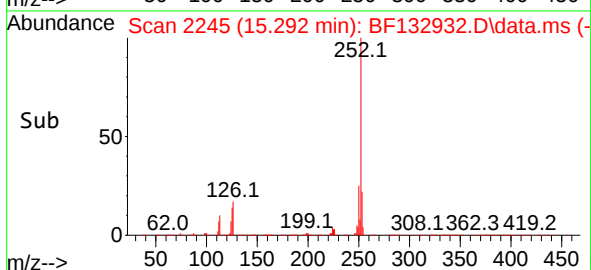
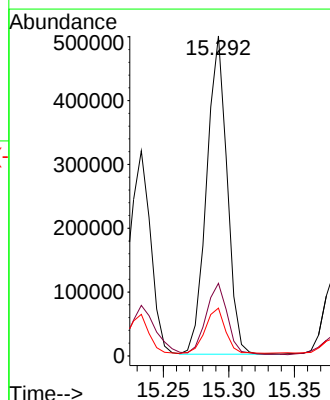
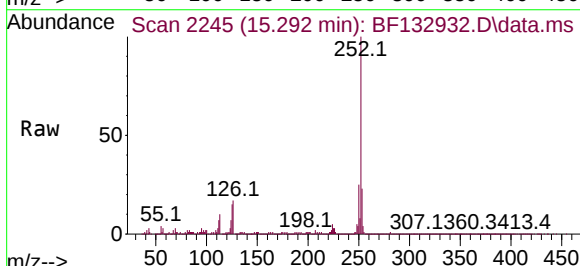
RT: 15.292 min Scan# 2245

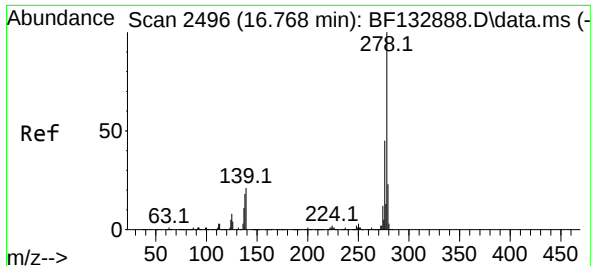
Delta R.T. -0.006 min

Lab File: BF132932.D

Acq: 20 Apr 2023 01:50

Tgt Ion:252 Resp: 540193
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.7 26.5
 125 14.9 9.9 14.9#





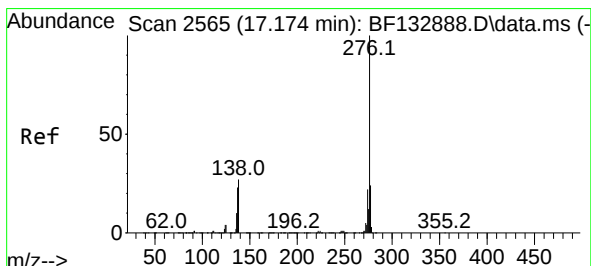
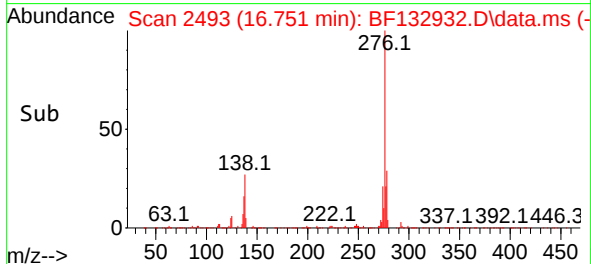
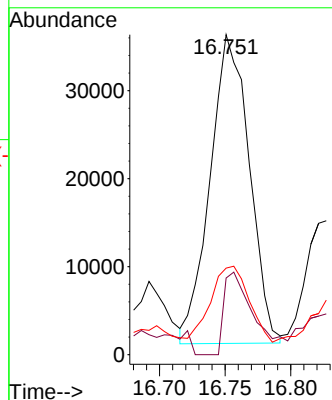
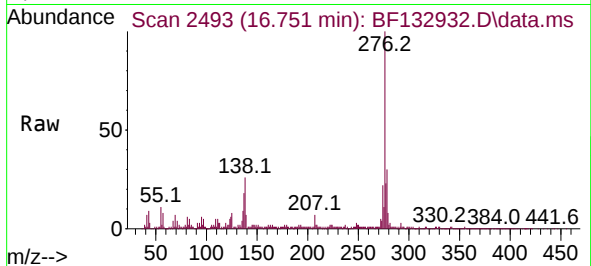
#91
Dibenzo(a,h)anthracene
Concen: 2.947 ng
RT: 16.751 min Scan# 2493
Delta R.T. -0.017 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF-8PT-COMP

Tgt Ion:278 Resp: 72925
Ion Ratio Lower Upper
278 100
139 23.9 16.7 25.1
279 27.0 18.4 27.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/20/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#92
Benzo(g,h,i)perylene
Concen: 10.485 ng
RT: 17.162 min Scan# 2563
Delta R.T. -0.012 min
Lab File: BF132932.D
Acq: 20 Apr 2023 01:50

Tgt Ion:276 Resp: 248438
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 28.8 21.7 32.5

