

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132667.D
 Acq On : 07 Mar 2023 00:57
 Operator : CG\JU
 Sample : 01820-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-3-03032023

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/07/2023
 Supervised By : Jagrut Upadhyay 03/07/2023

Quant Time: Mar 07 03:24:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	188817	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	608597	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	262782	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	471987	20.000	ng	0.00
76) Chrysene-d12	14.204	240	420352	20.000	ng	# 0.00
86) Perylene-d12	15.762	264	317708	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	519291	44.636	ng	0.00
7) Phenol-d6	6.616	99	606938	39.974	ng	-0.02
23) Nitrobenzene-d5	7.557	82	353817	27.582	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	108825	38.347	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	549018	31.812	ng	-0.01
79) Terphenyl-d14	13.133	244	629096	25.304	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.563	178	122637	5.016	ng	99
75) Fluoranthene	12.763	202	339415	12.698	ng	99
78) Pyrene	12.998	202	357101	9.344	ng	98
81) Benzo(a)anthracene	14.192	228	179550	5.709	ng	94
83) Chrysene	14.227	228	176982	6.018	ng	96
87) Indeno(1,2,3-cd)pyrene	17.362	276	133639	6.420	ng	97
88) Benzo(b)fluoranthene	15.292	252	277250m	13.022	ng	
89) Benzo(k)fluoranthene	15.321	252	69253m	3.323	ng	
90) Benzo(a)pyrene	15.692	252	191492	9.610	ng	97
92) Benzo(g,h,i)perylene	17.850	276	141084	8.727	ng	99

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

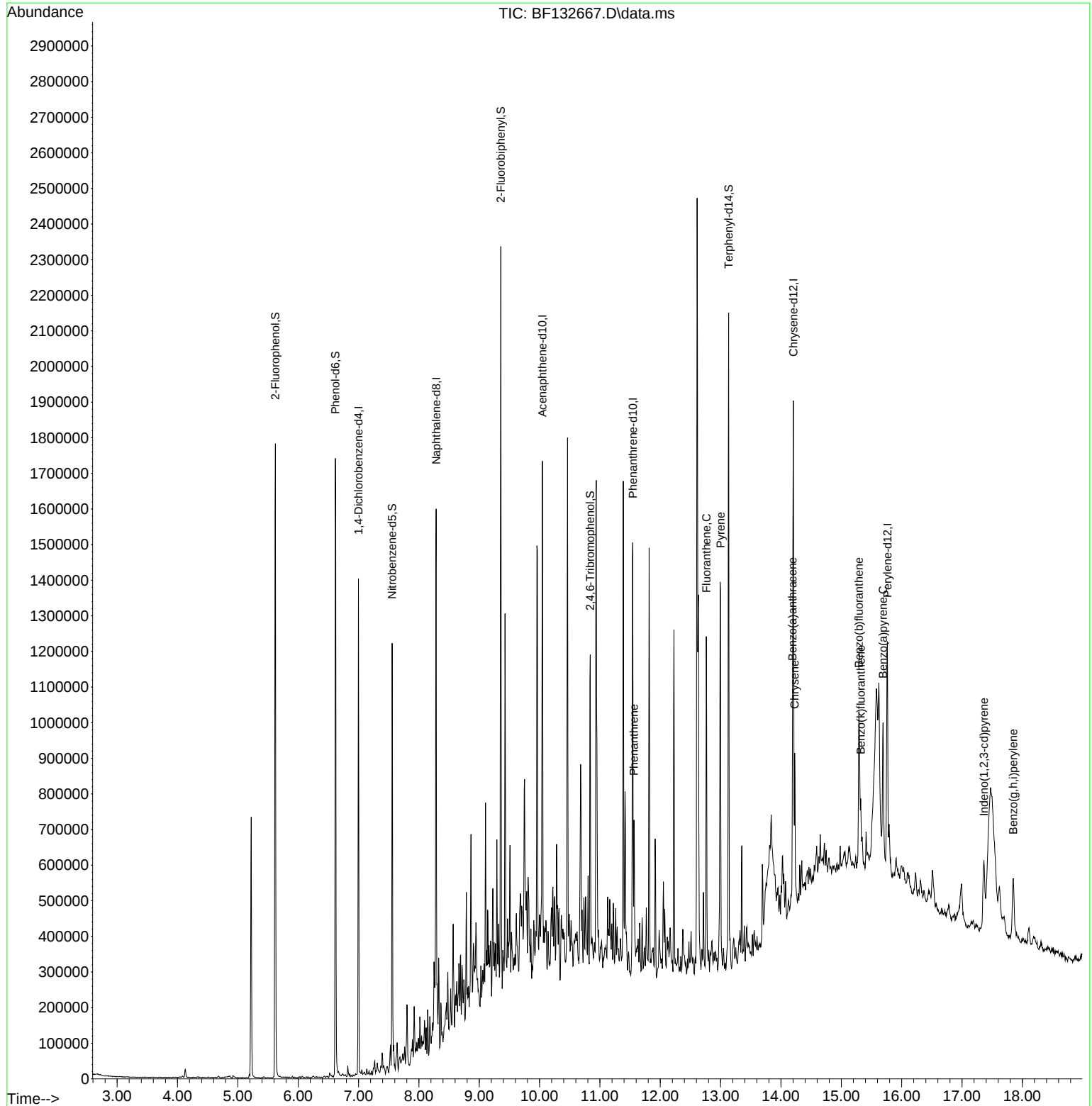
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
Data File : BF132667.D
Acq On : 07 Mar 2023 00:57
Operator : CG\JU
Sample : 01820-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

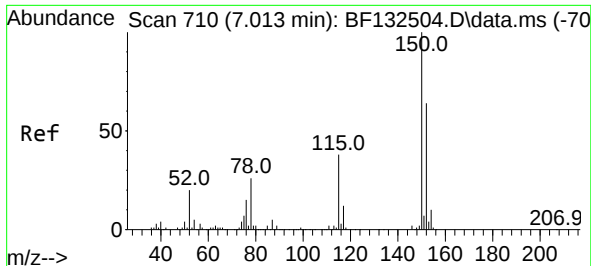
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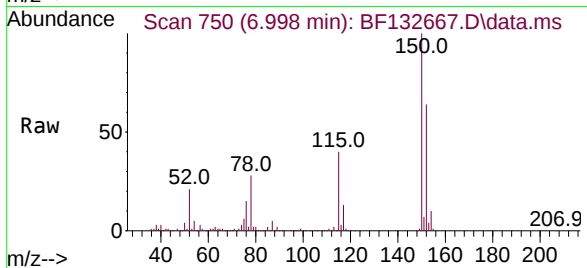
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 24 23:17:30 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

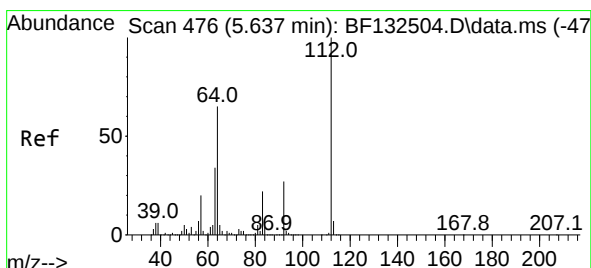
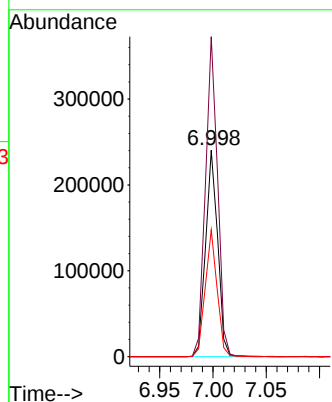
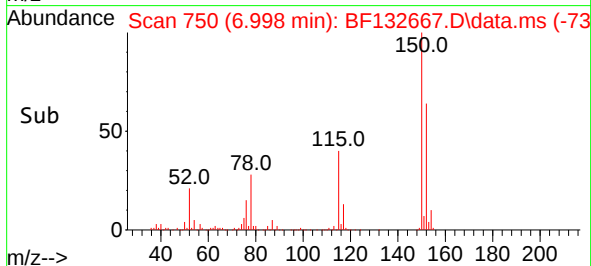
Instrument :
BNA_F
ClientSampleId :
HR-3-03032023



Tgt Ion:152 Resp: 188817
Ion Ratio Lower Upper
152 100
150 155.1 125.4 188.2
115 61.4 47.8 71.6

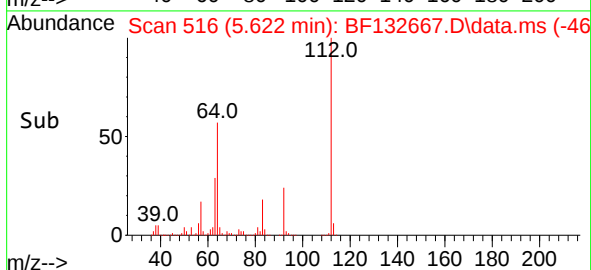
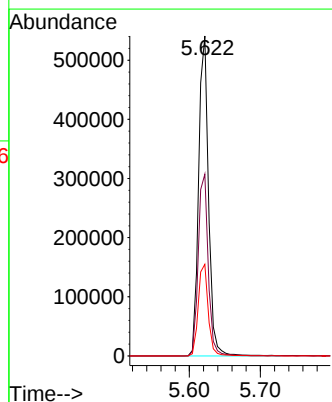
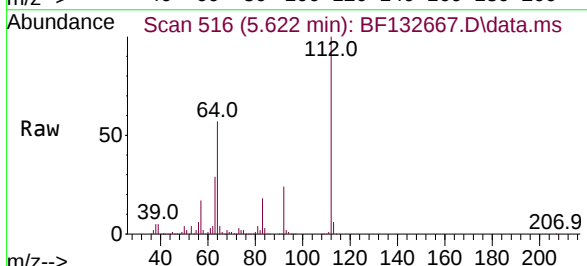
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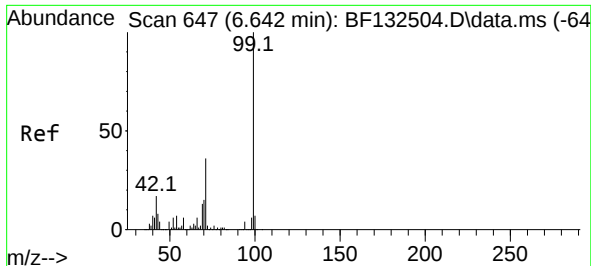
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#5
2-Fluorophenol
Concen: 44.636 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

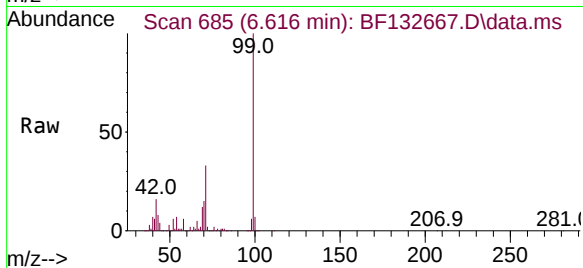
Tgt Ion:112 Resp: 519291
Ion Ratio Lower Upper
112 100
64 56.8 51.6 77.4
63 28.6 27.4 41.2





#7
Phenol-d6
Concen: 39.974 ng
RT: 6.616 min Scan# 685
Delta R.T. -0.021 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

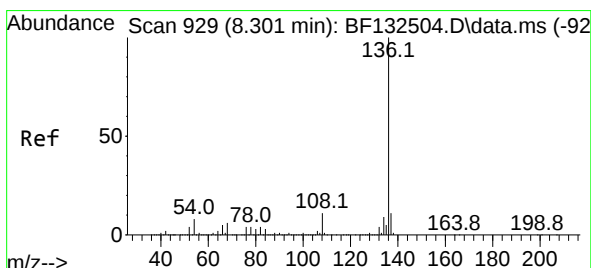
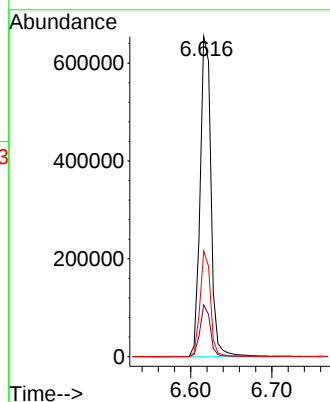
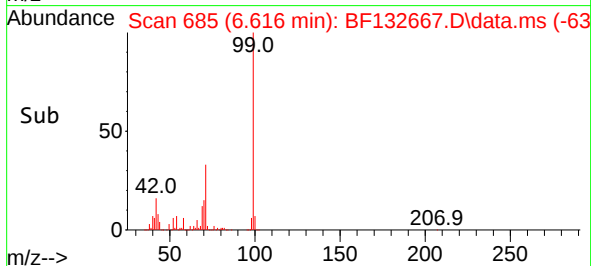
Instrument :
BNA_F
ClientSampleId :
HR-3-03032023



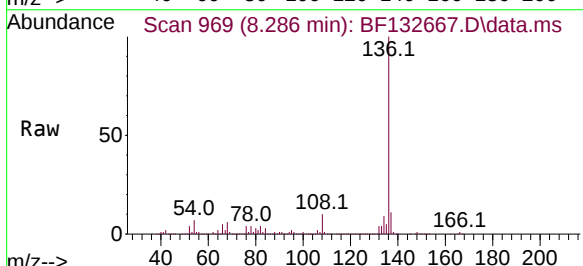
Tgt Ion: 99 Resp: 606938
Ion Ratio Lower Upper
99 100
42 16.2 13.9 20.9
71 33.0 28.5 42.7

Manual Integrations
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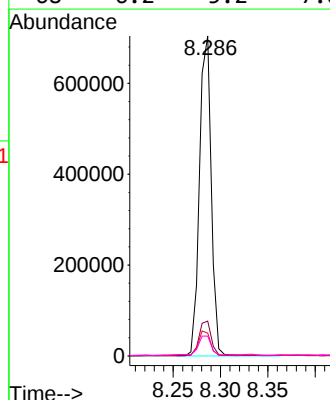
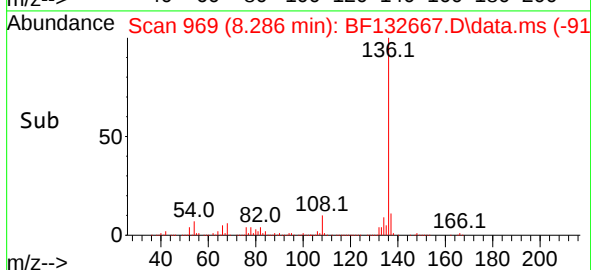
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023

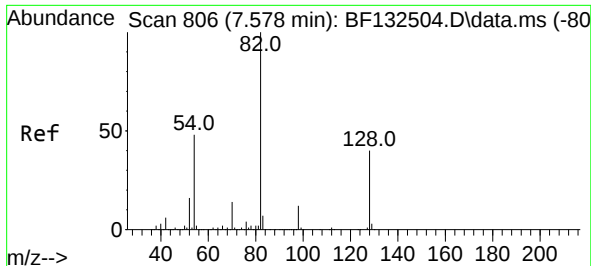


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 969
Delta R.T. -0.003 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57



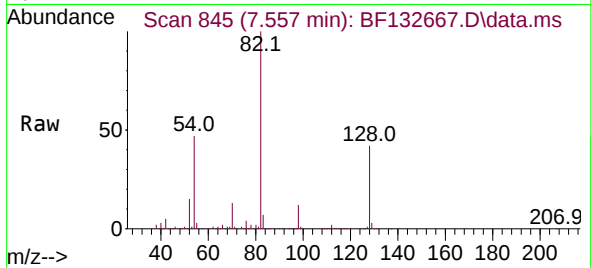
Tgt Ion:136 Resp: 608597
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.1 6.2 9.4
68 6.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 27.582 ng
RT: 7.557 min Scan# 84
Delta R.T. -0.015 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

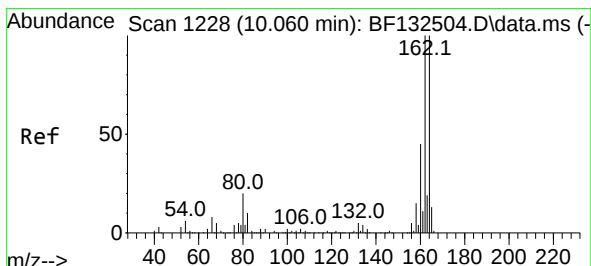
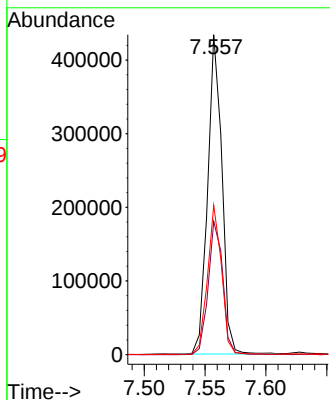
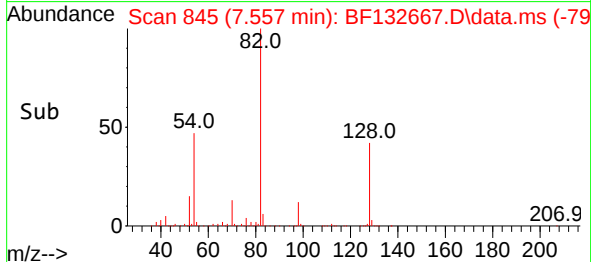
Instrument :
BNA_F
ClientSampleId :
HR-3-03032023



Tgt Ion: 82 Resp: 353817
Ion Ratio Lower Upper
82 100
128 41.6 32.2 48.2
54 46.6 38.4 57.6

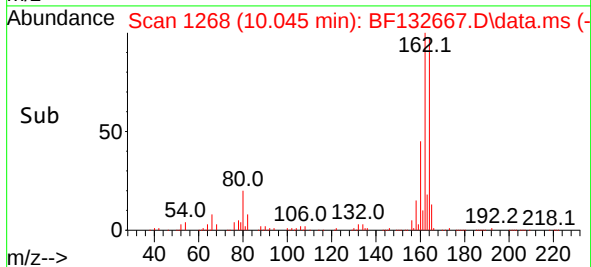
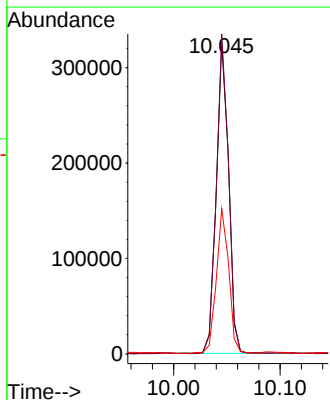
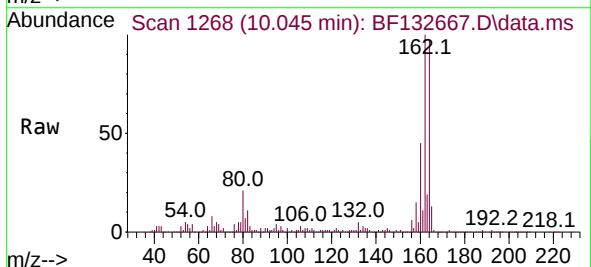
Manual Integrations
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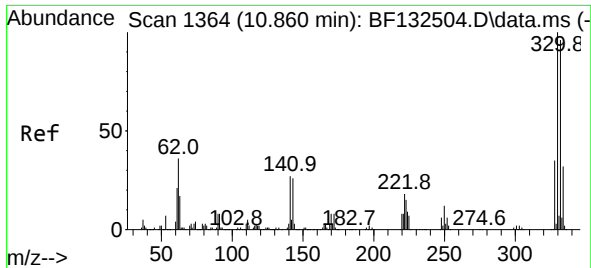
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. -0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Tgt Ion:164 Resp: 262782
Ion Ratio Lower Upper
164 100
162 102.8 79.8 119.8
160 46.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 38.347 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Instrument :

BNA_F

ClientSampleId :

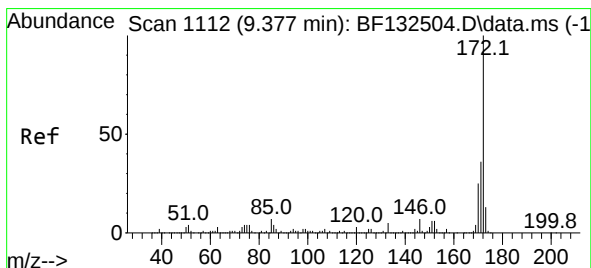
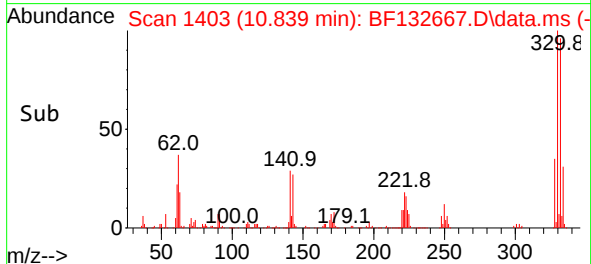
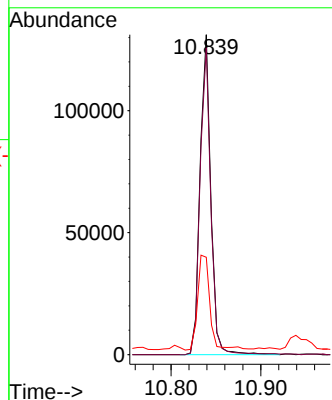
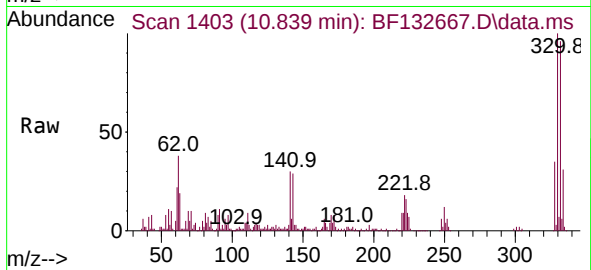
HR-3-03032023

Tgt Ion:330 Resp: 108825
Ion Ratio Lower Upper
330 100
332 95.9 76.2 114.4
141 34.0 28.4 42.6

Manual Integrations

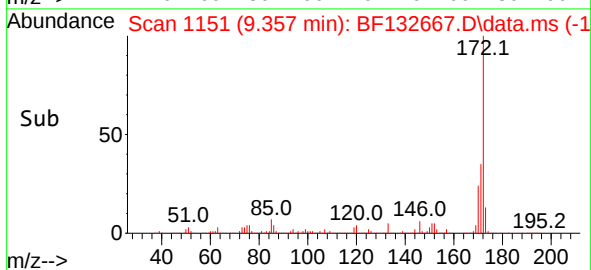
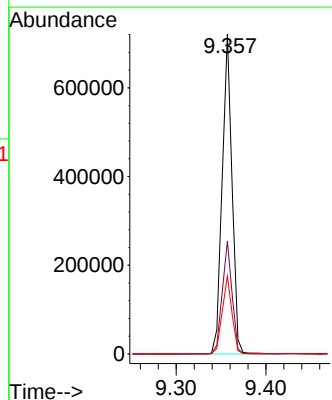
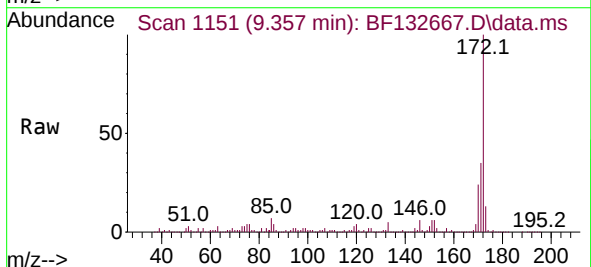
APPROVED

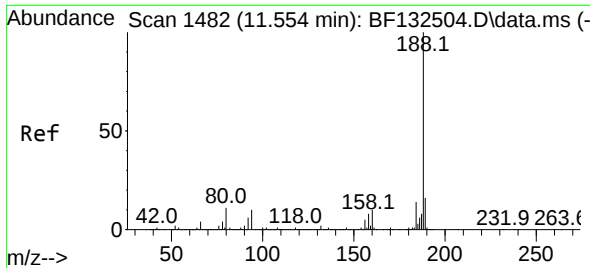
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#45
2-Fluorobiphenyl
Concen: 31.812 ng
RT: 9.357 min Scan# 1151
Delta R.T. -0.015 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Tgt Ion:172 Resp: 549018
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 24.3 19.7 29.5





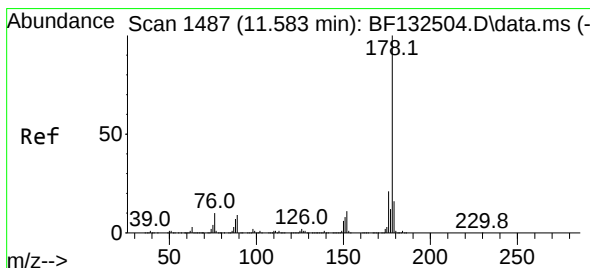
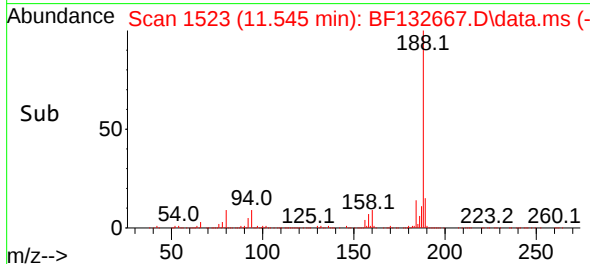
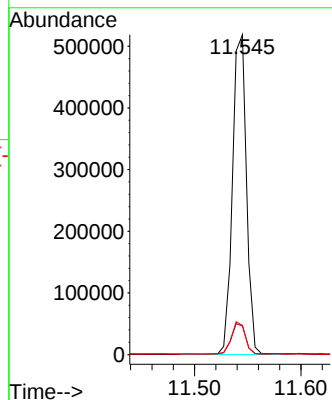
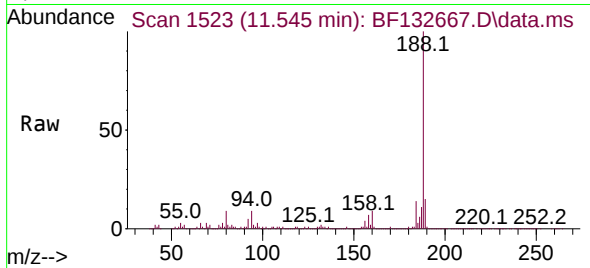
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Instrument :
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ClientSampleId :
HR-3-03032023

Tgt Ion:188 Resp: 47198
Ion Ratio Lower Upper
188 100
94 8.9 8.3 12.5
80 9.1 8.7 13.1

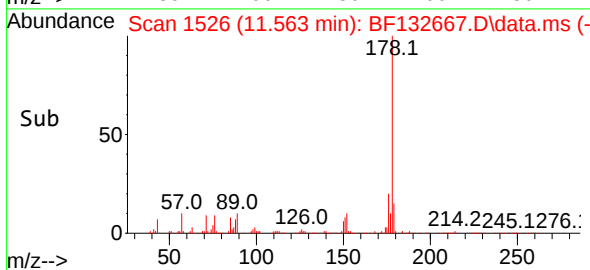
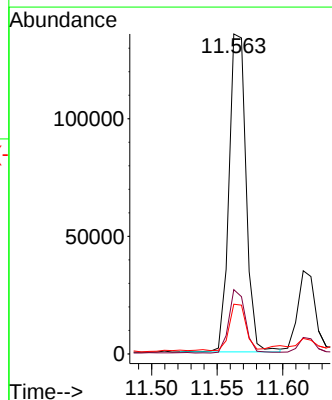
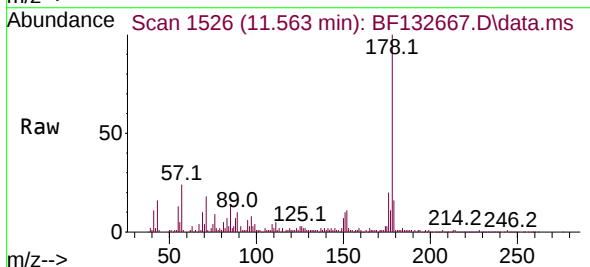
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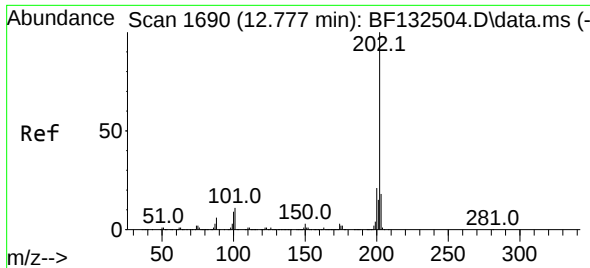
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#71
Phenanthrene
Concen: 5.016 ng
RT: 11.563 min Scan# 1526
Delta R.T. -0.015 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

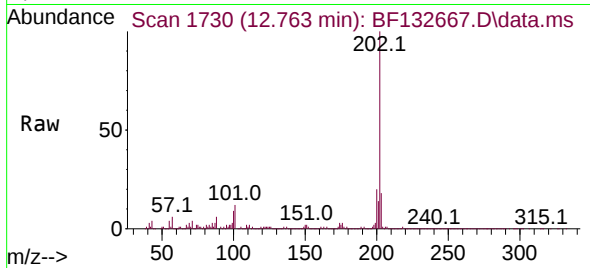
Tgt Ion:178 Resp: 122637
Ion Ratio Lower Upper
178 100
176 20.1 16.5 24.7
179 15.5 13.0 19.6





#75
Fluoranthene
Concen: 12.698 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

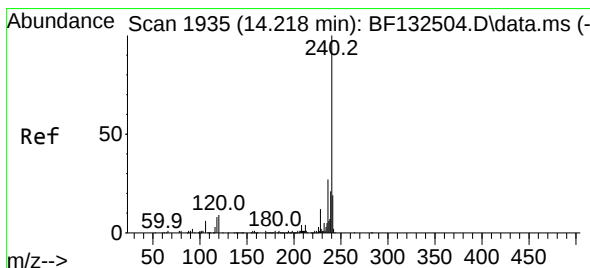
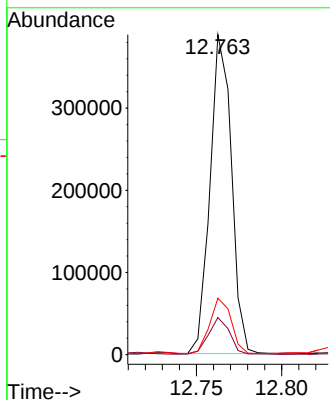
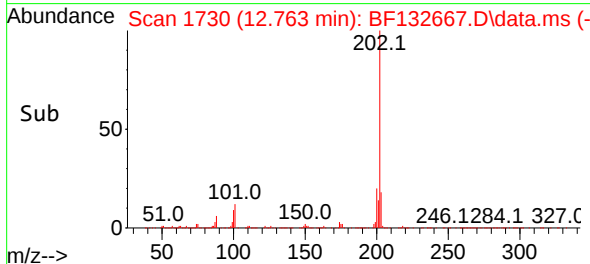
Instrument :
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HR-3-03032023



Tgt Ion:202 Resp: 339415
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 17.6 0.0 38.0

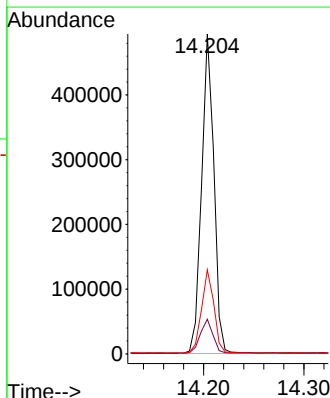
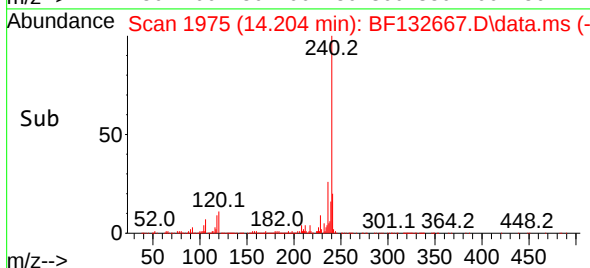
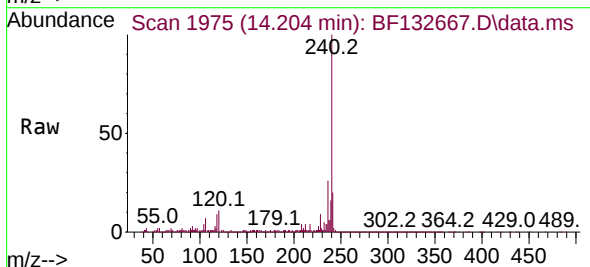
Manual Integrations
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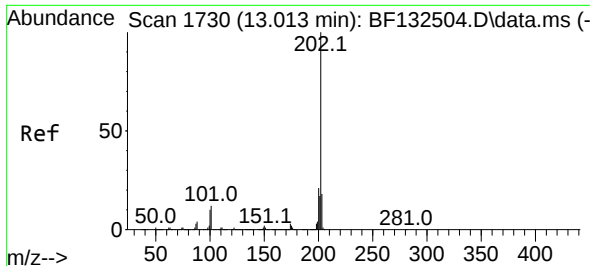
Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

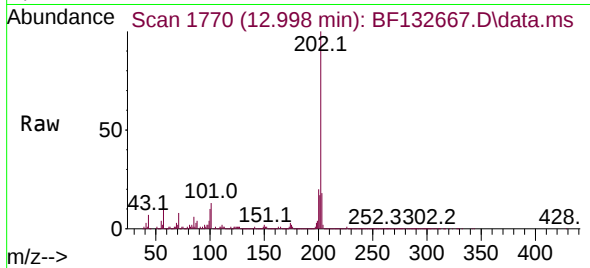
Tgt Ion:240 Resp: 420352
Ion Ratio Lower Upper
240 100
120 10.8 7.2 10.8
236 26.3 21.8 32.6





#78
Pyrene
Concen: 9.344 ng
RT: 12.998 min Scan# 1770
Delta R.T. -0.003 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

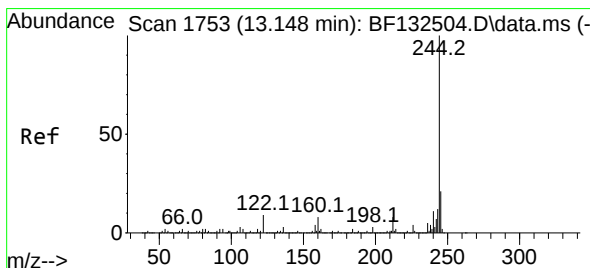
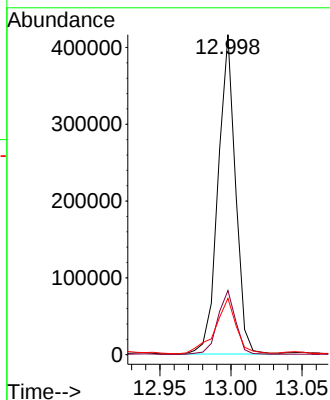
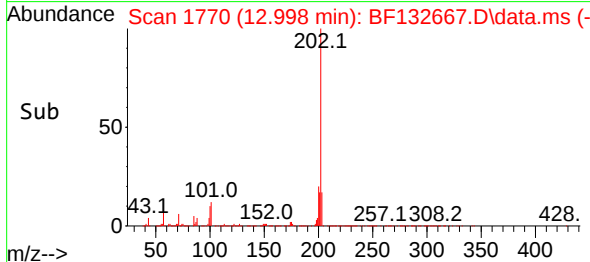
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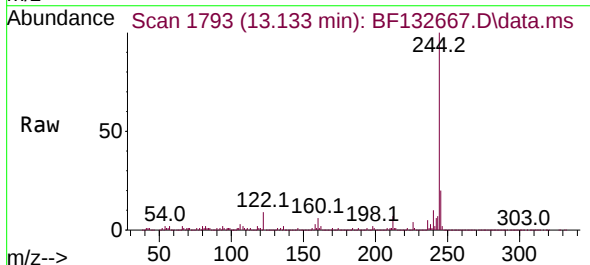
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Ion Ratio Lower Upper
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200 20.0 17.1 25.7
203 17.6 14.6 21.8

Manual Integrations
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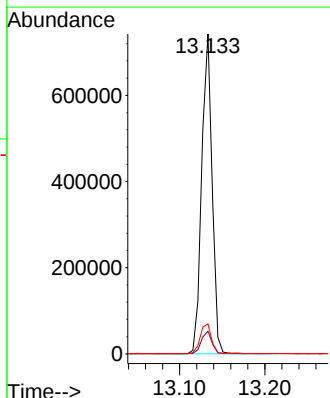
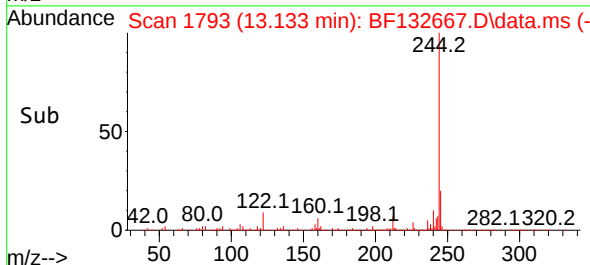
Reviewed By :Christian Giraldo 03/07/2023
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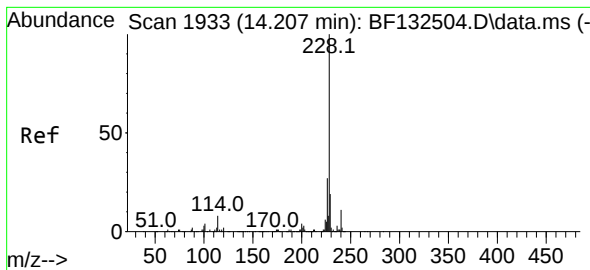


#79
Terphenyl-d14
Concen: 25.304 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57



Tgt Ion:244 Resp: 629096
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 9.4 7.5 11.3





#81

Benzo(a)anthracene

Concen: 5.709 ng

RT: 14.192 min Scan# 19

Delta R.T. -0.003 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Instrument :

BNF

ClientSampleId :

HR-3-03032023

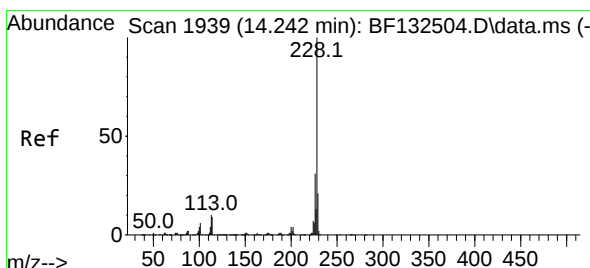
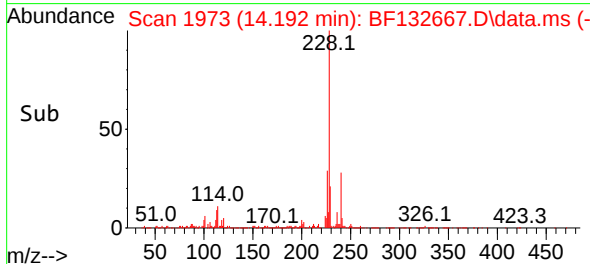
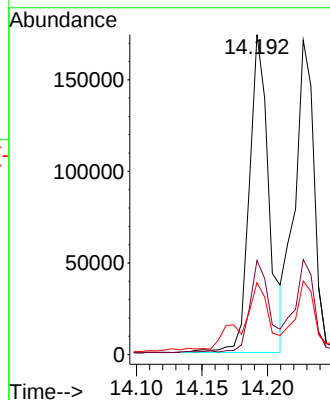
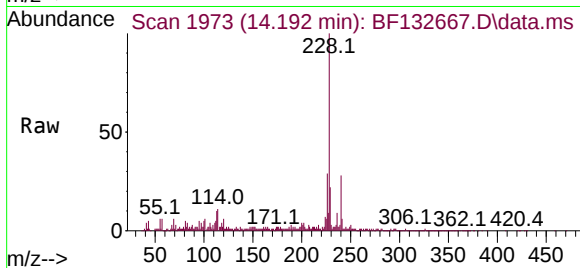
Tgt Ion:228 Resp: 179550
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.7 32.5
 229 22.5 15.4 23.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#83

Chrysene

Concen: 6.018 ng

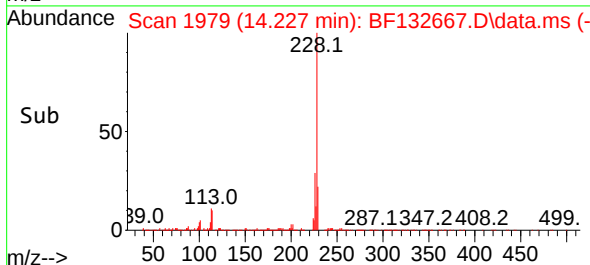
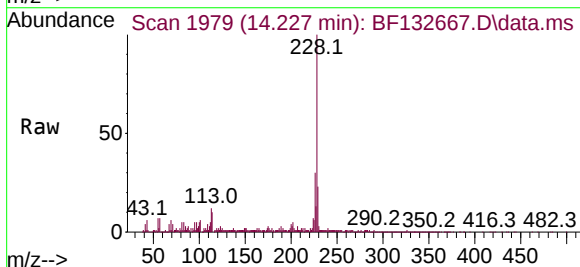
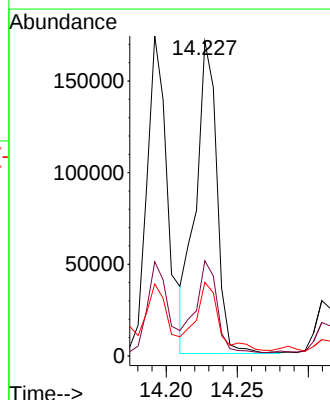
RT: 14.227 min Scan# 1979

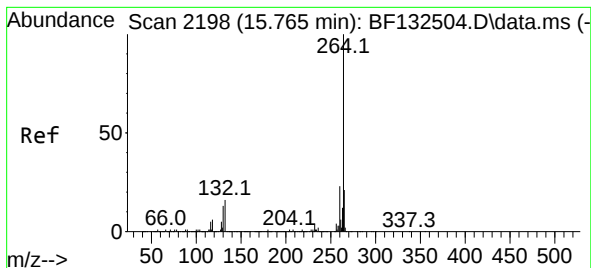
Delta R.T. -0.009 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Tgt Ion:228 Resp: 176982
 Ion Ratio Lower Upper
 228 100
 226 30.2 25.0 37.6
 229 23.4 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.762 min Scan# 21

Delta R.T. 0.009 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Instrument :

BNA_F

ClientSampleId :

HR-3-03032023

Tgt Ion:264 Resp: 317708

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

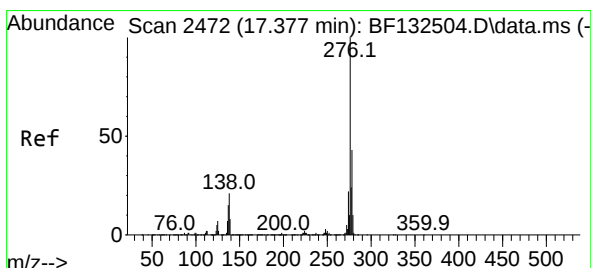
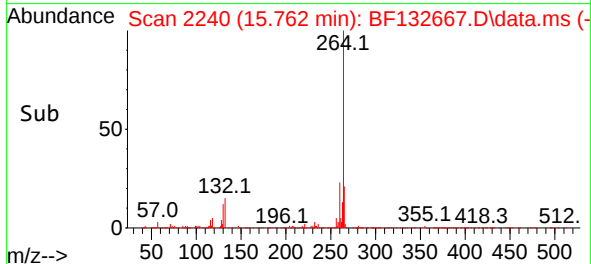
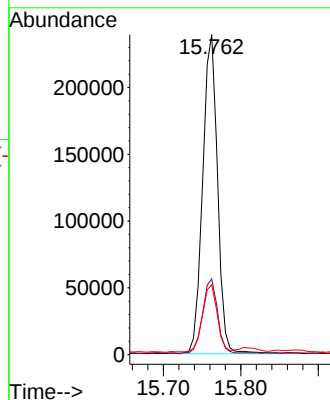
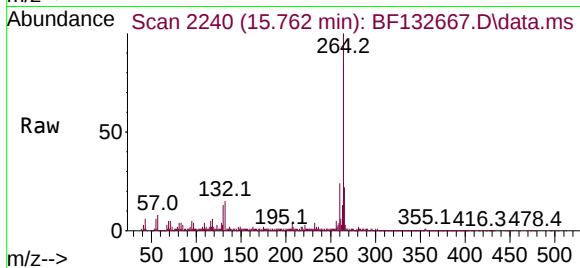
265 21.8 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/07/2023

Supervised By :Jagrut Upadhyay 03/07/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.420 ng

RT: 17.362 min Scan# 2512

Delta R.T. 0.003 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

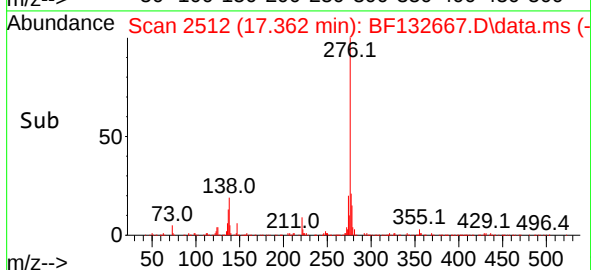
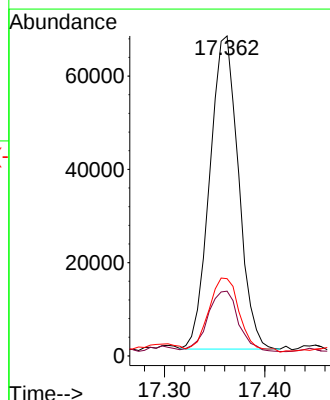
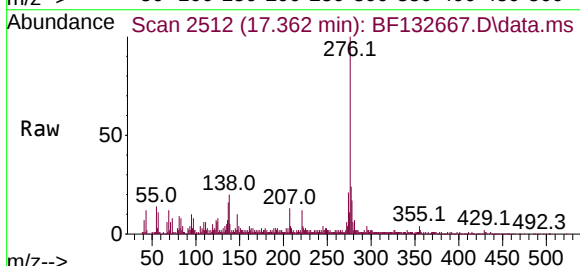
Tgt Ion:276 Resp: 133639

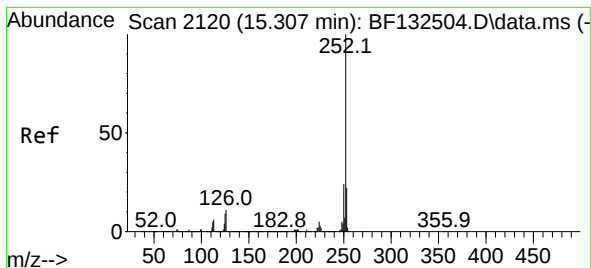
Ion Ratio Lower Upper

276 100

138 20.9 19.0 28.4

277 24.6 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 13.022 ng m

RT: 15.292 min Scan# 2116

Delta R.T. -0.003 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Instrument :

BNA_F

ClientSampleId :

HR-3-03032023

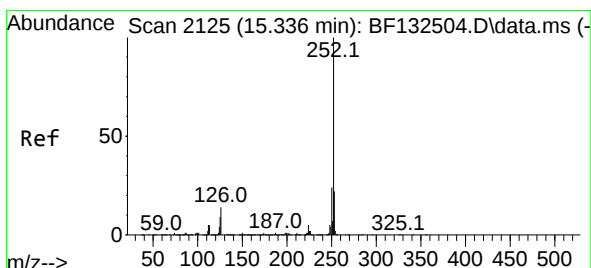
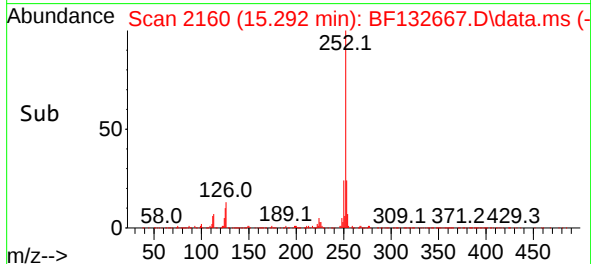
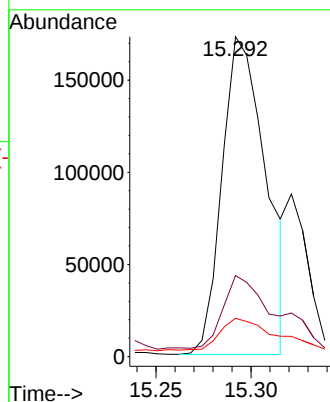
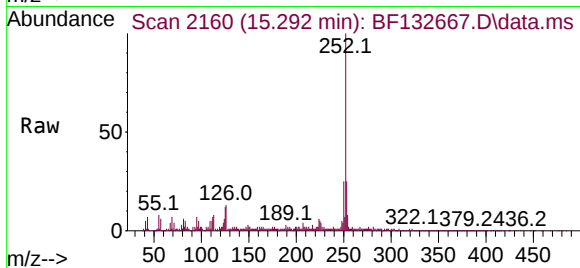
Tgt Ion:252 Resp: 277250

Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.4	26.0
125	12.0	7.0	10.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/07/2023
Supervised By :Jagrut Upadhyay 03/07/2023



#89

Benzo(k)fluoranthene

Concen: 3.323 ng m

RT: 15.321 min Scan# 2165

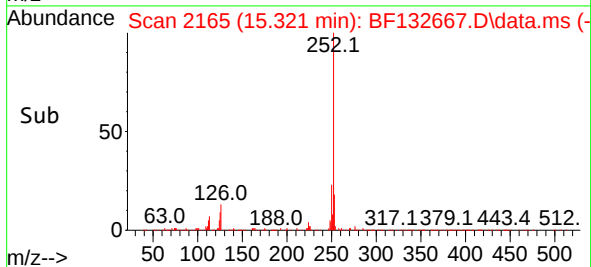
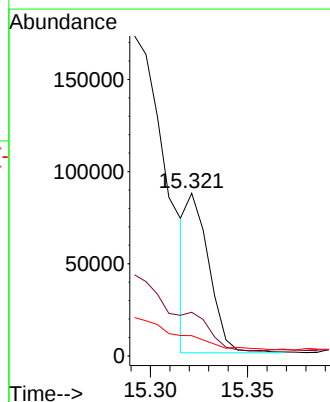
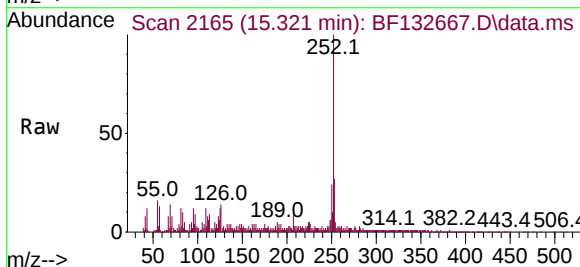
Delta R.T. -0.003 min

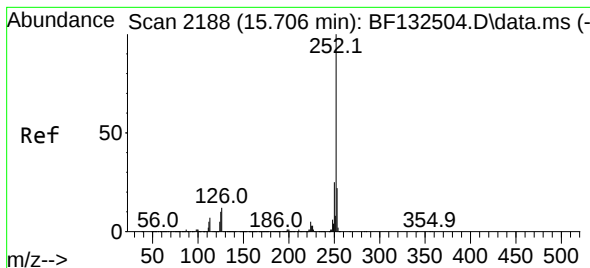
Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Tgt Ion:252 Resp: 69253

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.5	26.3
125	12.5	7.2	10.8





#90

Benzo(a)pyrene

Concen: 9.610 ng

RT: 15.692 min Scan# 2188

Delta R.T. 0.003 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Instrument :

BNA_F

ClientSampleId :

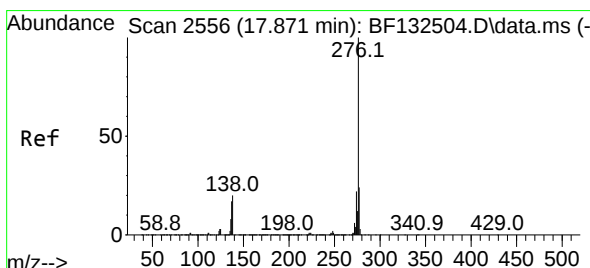
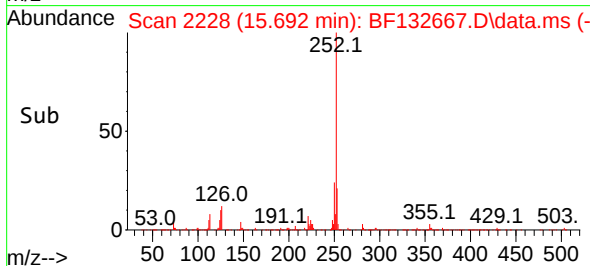
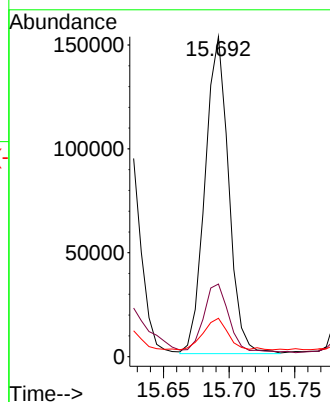
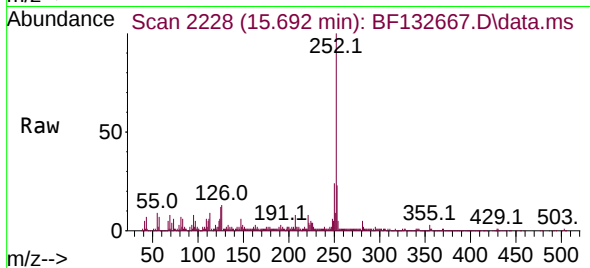
HR-3-03032023

Tgt Ion:252 Resp: 191492
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.2 25.8
 125 12.0 8.0 12.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/07/2023
 Supervised By :Jagrut Upadhyay 03/07/2023



#92

Benzo(g,h,i)perylene

Concen: 8.727 ng

RT: 17.850 min Scan# 2595

Delta R.T. -0.003 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Tgt Ion:276 Resp: 141084
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.9 28.3
 138 20.8 16.2 24.4

