

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021623\
 Data File : BF132445.D
 Acq On : 16 Feb 2023 21:34
 Operator : CG\JU
 Sample : 01572-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200028

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/17/2023
 Supervised By : Jagrut Upadhyay 02/17/2023

Quant Time: Feb 17 04:46:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 03:08:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.031	152	198414	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	724369	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	364122	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	633561	20.000	ng	0.00
76) Chrysene-d12	14.230	240	381088	20.000	ng	#-0.01
86) Perylene-d12	15.795	264	343324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.654	112	1224234	98.867	ng	0.00
7) Phenol-d6	6.648	99	1577533	97.567	ng	0.00
23) Nitrobenzene-d5	7.590	82	1020793	67.712	ng	0.00
42) 2,4,6-Tribromophenol	10.872	330	334760	92.144	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	1365401	57.909	ng	0.00
79) Terphenyl-d14	13.166	244	1171170	55.970	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	9.025	142	98602	3.897	ng	99
38) 1-Methylnaphthalene	9.131	142	138297	5.818	ng	98
52) Acenaphthene	10.107	154	62662	2.865	ng	96
71) Phenanthrene	11.595	178	227780	6.980	ng	99
72) Anthracene	11.648	178	76830	2.290	ng	97
75) Fluoranthene	12.795	202	425524	11.693	ng	99
78) Pyrene	13.024	202	358085	11.061	ng	100
81) Benzo(a)anthracene	14.219	228	211550	7.579	ng	99
83) Chrysene	14.254	228	195503	7.331	ng	97
84) Bis(2-ethylhexyl)phtha...	14.195	149	40631	2.598	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.401	276	83911	3.823	ng	97
88) Benzo(b)fluoranthene	15.324	252	257655m	11.412	ng	
89) Benzo(k)fluoranthene	15.354	252	69756m	3.087	ng	
90) Benzo(a)pyrene	15.724	252	158936	7.575	ng	95
92) Benzo(g,h,i)perylene	17.895	276	79894	4.304	ng	99

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

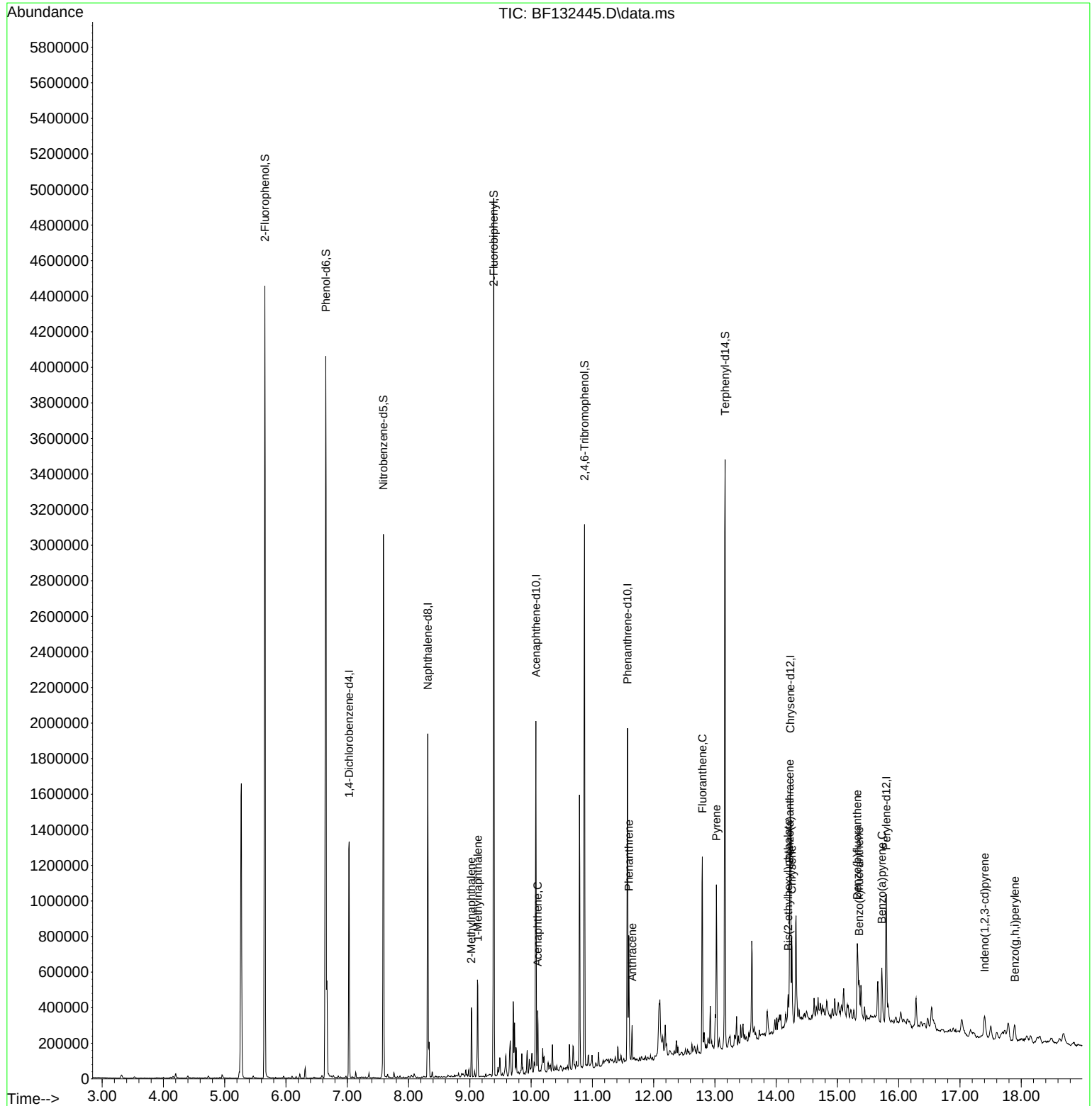
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021623\
Data File : BF132445.D
Acq On : 16 Feb 2023 21:34
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ALS Vial : 22 Sample Multiplier: 1

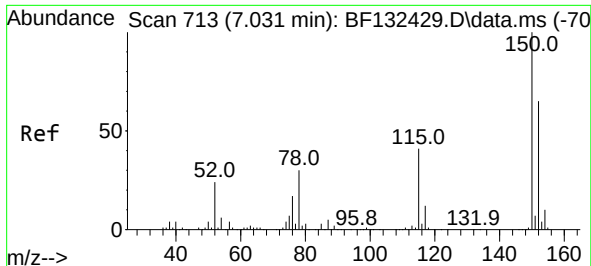
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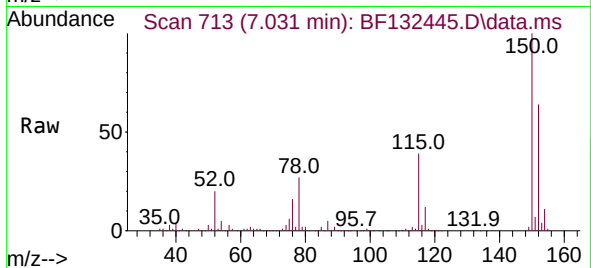
Quant Time: Feb 17 04:46:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 03:08:40 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.031 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

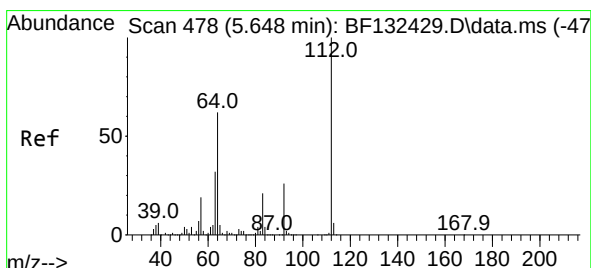
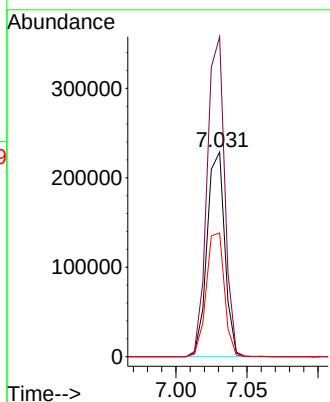
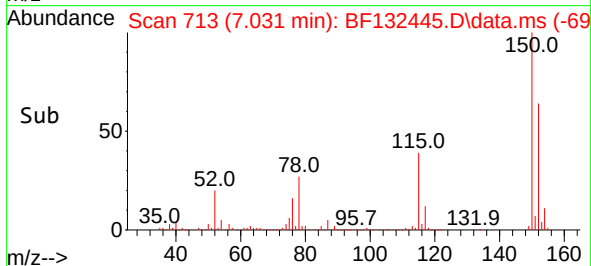
Instrument :
BNA_F
ClientSampleId :
RBR-200028



Tgt Ion:152 Resp: 198414
Ion Ratio Lower Upper
152 100
150 156.5 123.8 185.8
115 60.4 50.4 75.6

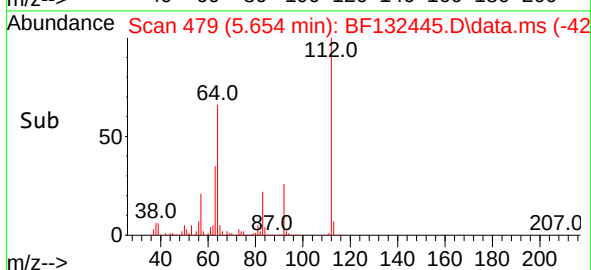
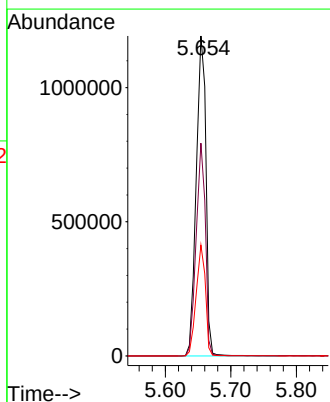
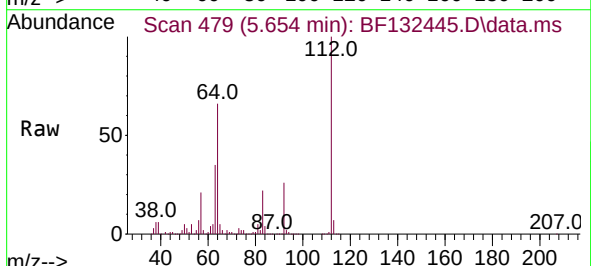
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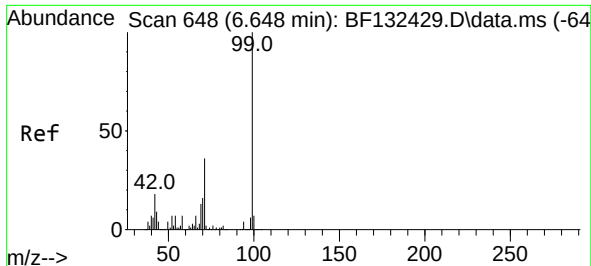
Reviewed By :Christian Giraldo 02/17/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#5
2-Fluorophenol
Concen: 98.867 ng
RT: 5.654 min Scan# 479
Delta R.T. 0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

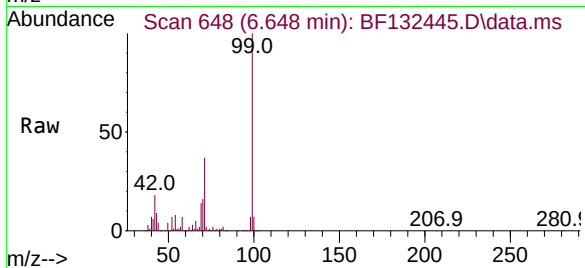
Tgt Ion:112 Resp: 1224234
Ion Ratio Lower Upper
112 100
64 66.5 49.7 74.5
63 34.6 25.8 38.8





#7
Phenol-d6
Concen: 97.567 ng
RT: 6.648 min Scan# 648
Delta R.T. 0.000 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

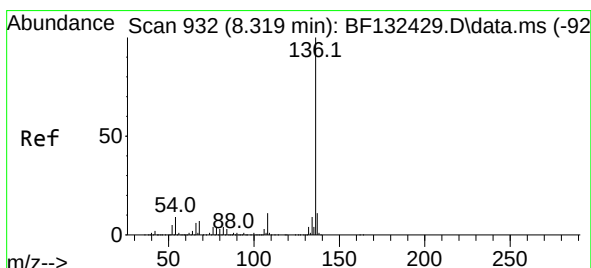
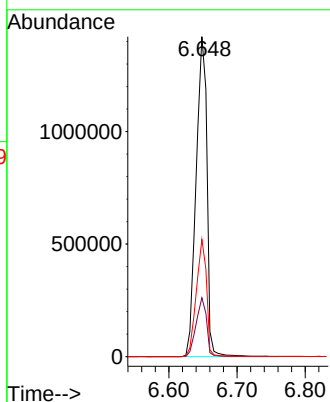
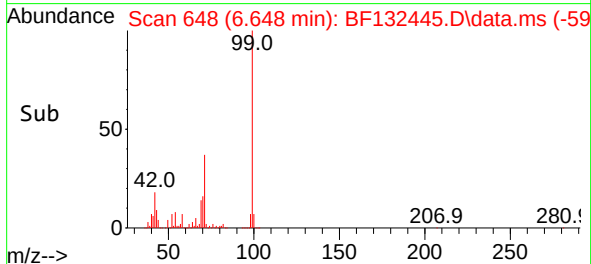
Instrument :
BNA_F
ClientSampleId :
RBR-200028



Tgt Ion: 99 Resp: 1577533
Ion Ratio Lower Upper
99 100
42 18.4 14.6 21.8
71 36.6 28.7 43.1

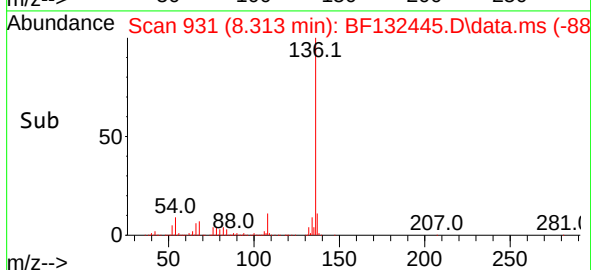
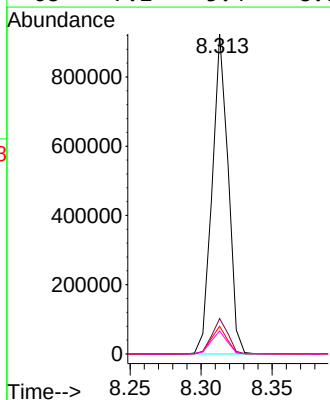
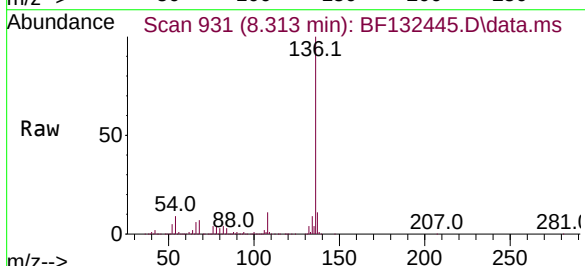
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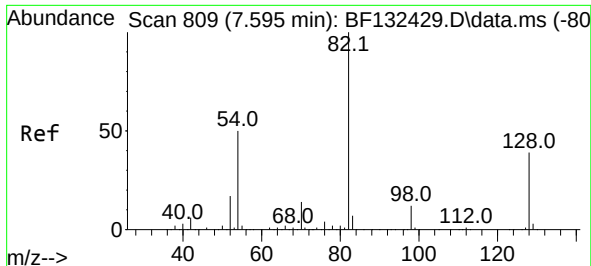
Reviewed By :Christian Giraldo 02/17/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:136 Resp: 724369
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.6 6.9 10.3
68 7.2 5.4 8.0





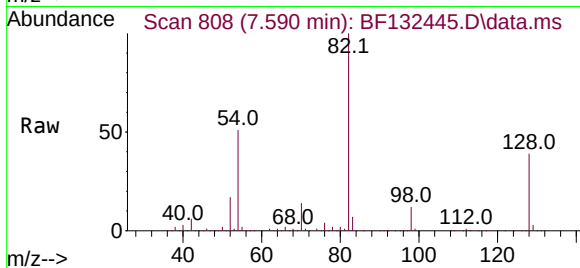
#23
Nitrobenzene-d5
Concen: 67.712 ng
RT: 7.590 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Instrument :

BNA_F

ClientSampleId :

RBR-200028

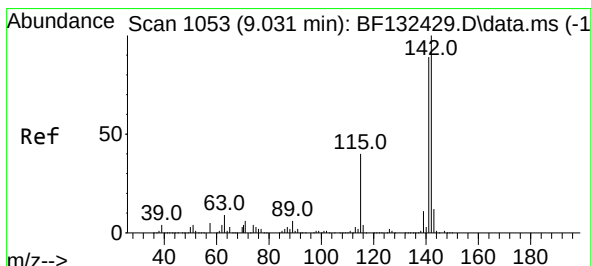
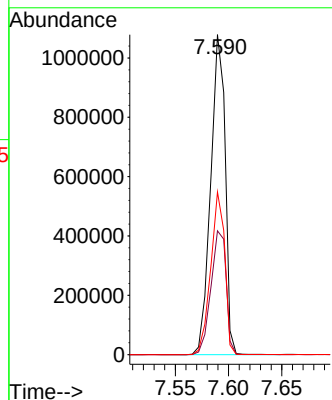
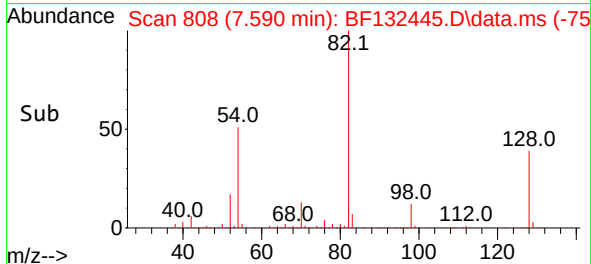


Tgt Ion: 82 Resp: 1020793
Ion Ratio Lower Upper
82 100
128 38.7 30.8 46.2
54 50.8 40.2 60.4

Manual Integrations

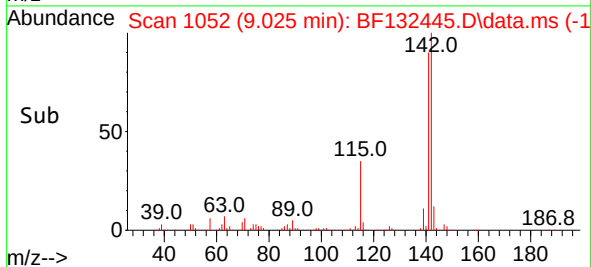
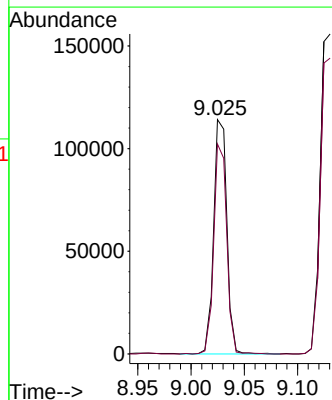
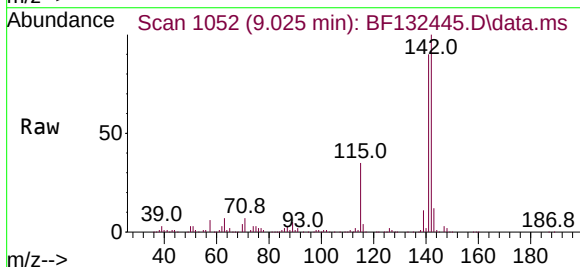
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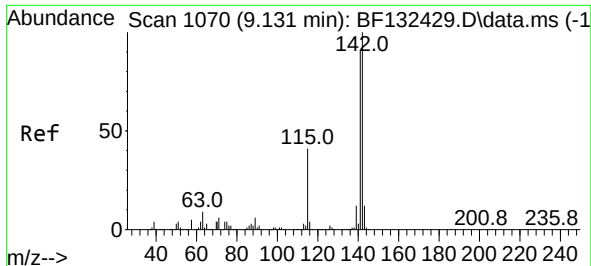
Reviewed By :Christian Giraldo 02/17/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#37
2-Methylnaphthalene
Concen: 3.897 ng
RT: 9.025 min Scan# 1052
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

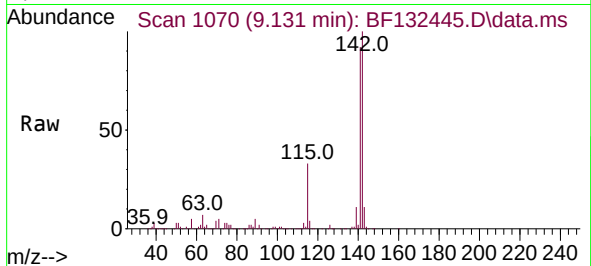
Tgt Ion:142 Resp: 98602
Ion Ratio Lower Upper
142 100
141 89.6 71.2 106.8





#38
1-Methylnaphthalene
Concen: 5.818 ng
RT: 9.131 min Scan# 1070
Delta R.T. -0.000 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

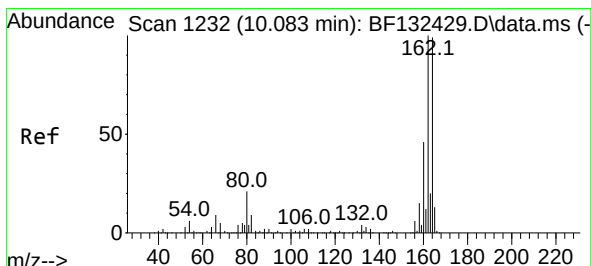
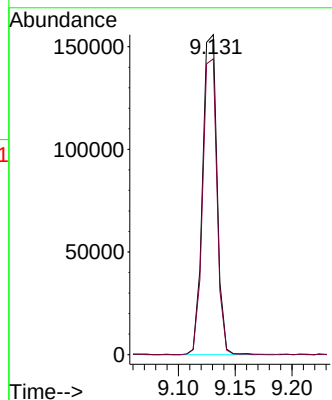
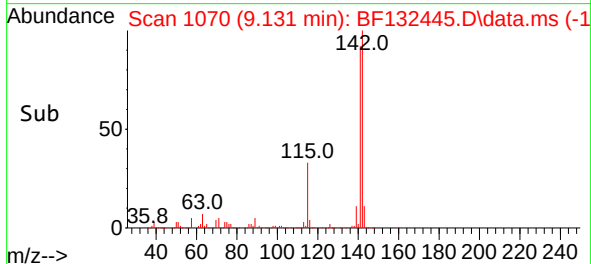
Instrument :
BNA_F
ClientSampleId :
RBR-200028



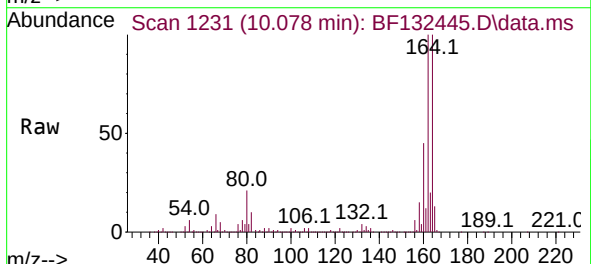
Tgt Ion:142 Resp: 138297
Ion Ratio Lower Upper
142 100
141 92.4 72.7 109.1

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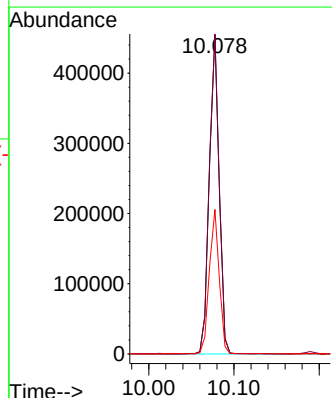
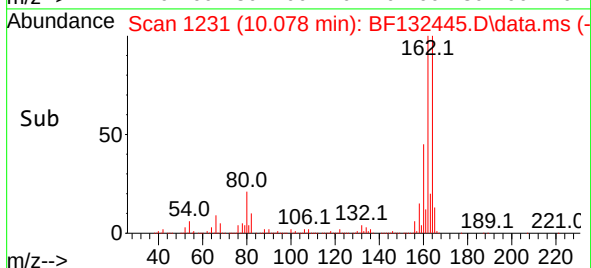
Reviewed By :Christian Giraldo 02/17/2023
Supervised By :Jagrut Upadhyay 02/17/2023

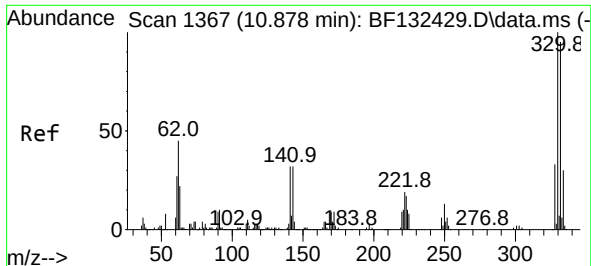


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.078 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34



Tgt Ion:164 Resp: 364122
Ion Ratio Lower Upper
164 100
162 100.5 80.8 121.2
160 45.4 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 92.144 ng

RT: 10.872 min Scan# 1366

Delta R.T. -0.006 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Instrument :

BNA_F

ClientSampleId :

RBR-200028

Tgt Ion:330 Resp: 334760

Ion Ratio Lower Upper

330 100

332 96.1 76.3 114.5

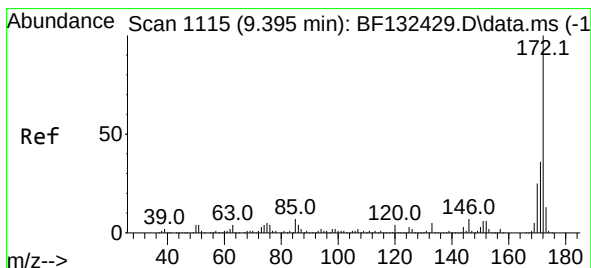
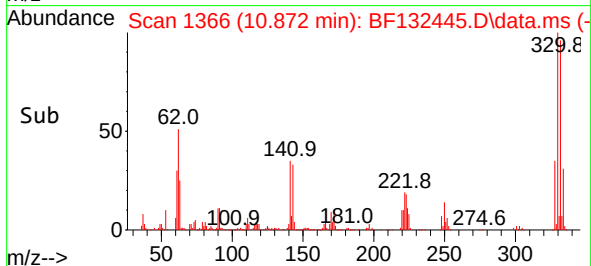
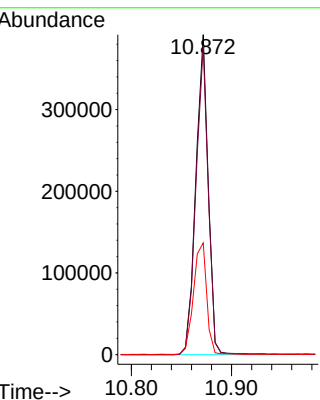
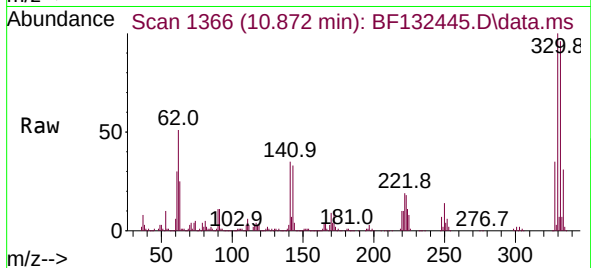
141 37.2 30.3 45.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/17/2023



#45

2-Fluorobiphenyl

Concen: 57.909 ng

RT: 9.389 min Scan# 1114

Delta R.T. -0.006 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

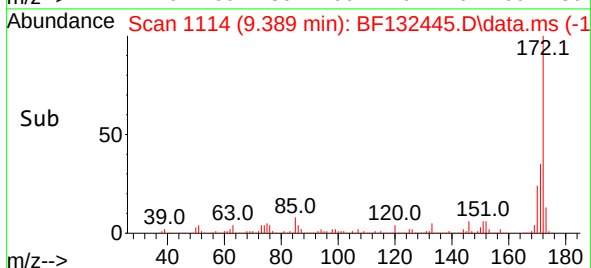
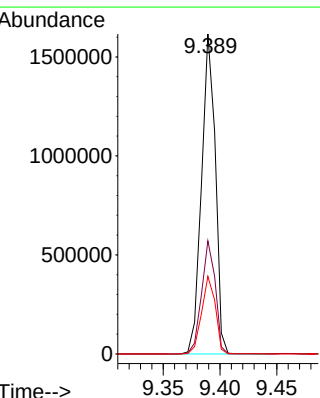
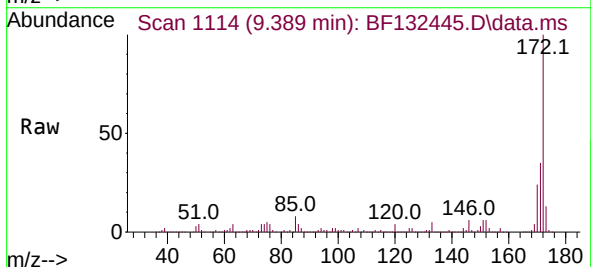
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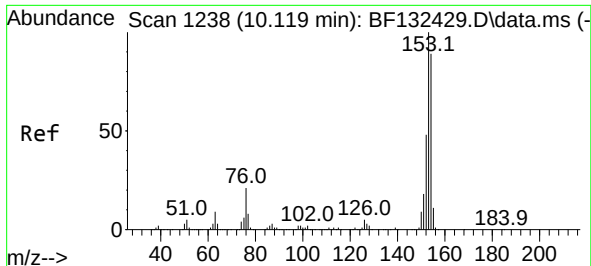
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 24.2 19.9 29.9





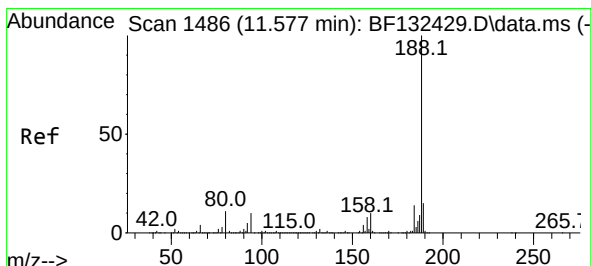
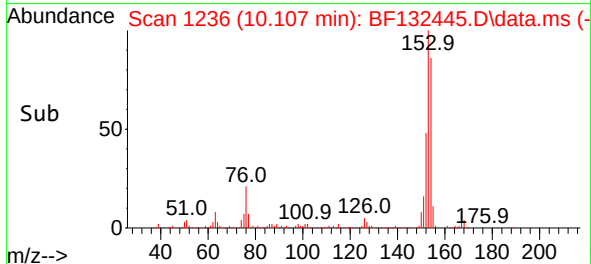
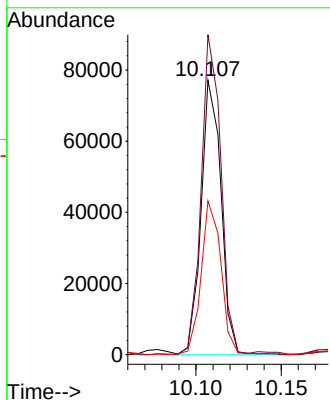
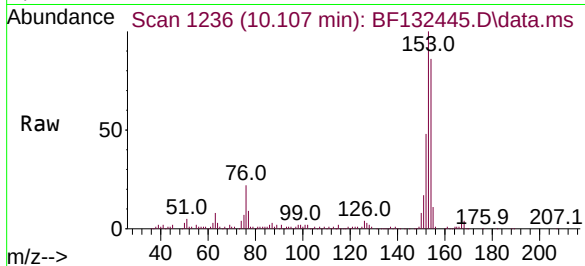
#52
Acenaphthene
Concen: 2.865 ng
RT: 10.107 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Instrument :
BNA_F
ClientSampleId :
RBR-200028

Tgt Ion:154 Resp: 62662
Ion Ratio Lower Upper
154 100
153 116.7 89.7 134.5
152 56.1 43.4 65.0

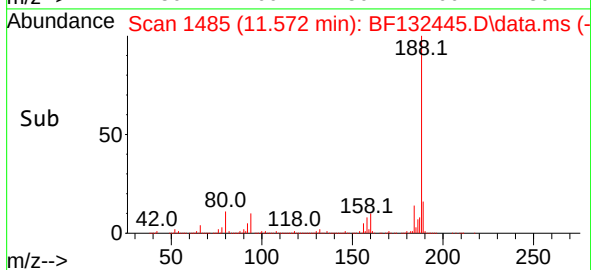
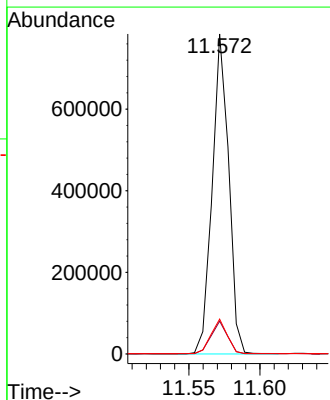
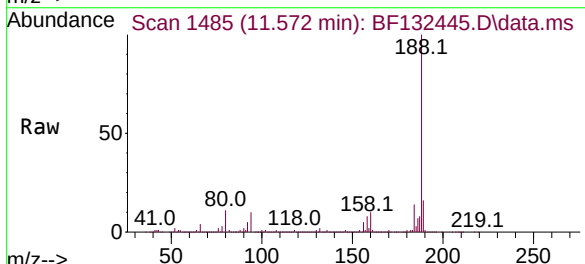
Manual Integrations
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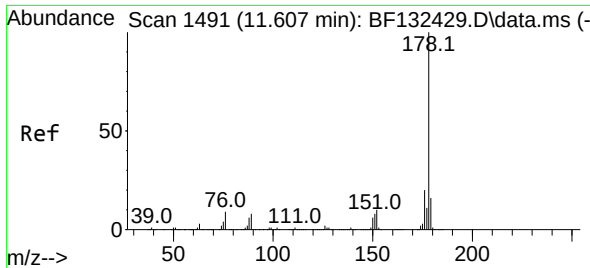
Reviewed By :Christian Giraldo 02/17/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:188 Resp: 633561
Ion Ratio Lower Upper
188 100
94 10.2 8.0 12.0
80 10.9 8.6 12.8





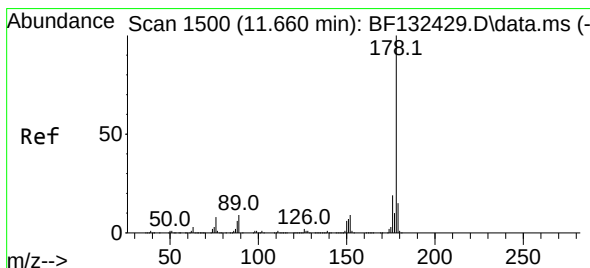
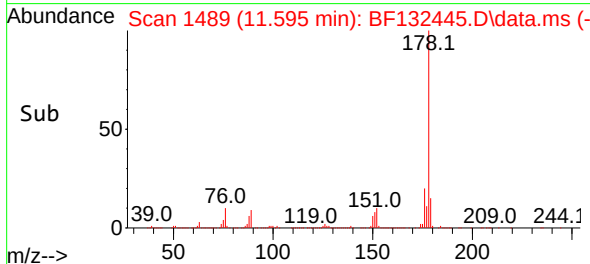
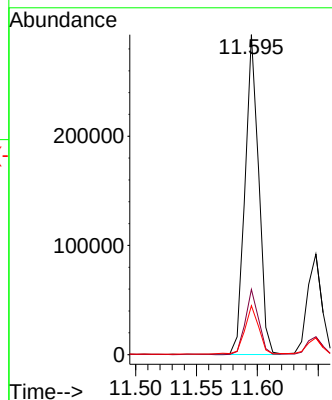
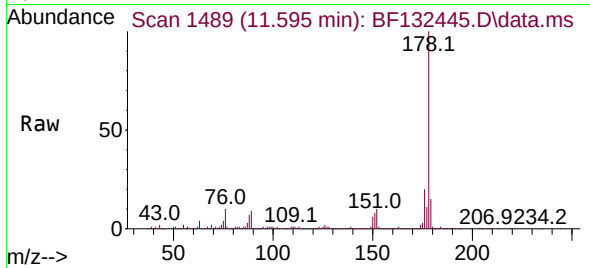
#71
Phenanthrene
Concen: 6.980 ng
RT: 11.595 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Instrument :
BNA_F
ClientSampleId :
RBR-200028

Tgt Ion:178 Resp: 227780
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.2
179 15.3 12.6 18.8

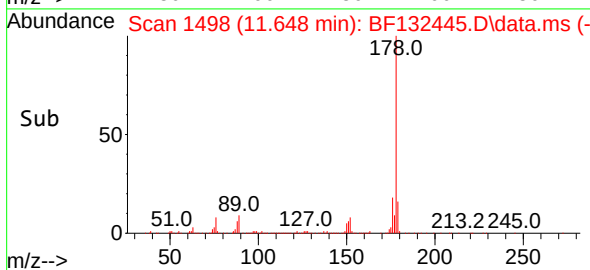
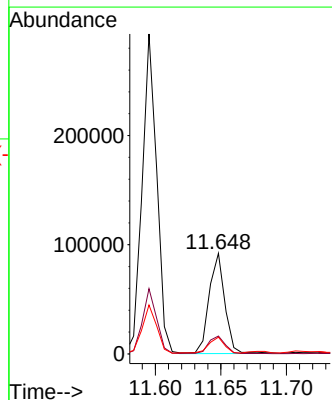
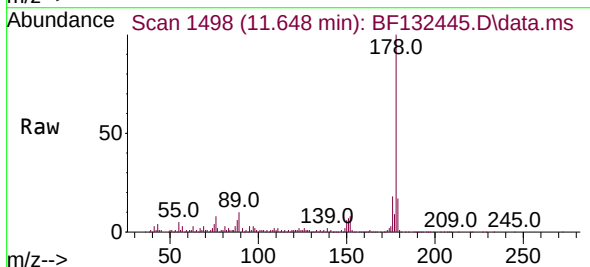
Manual Integrations
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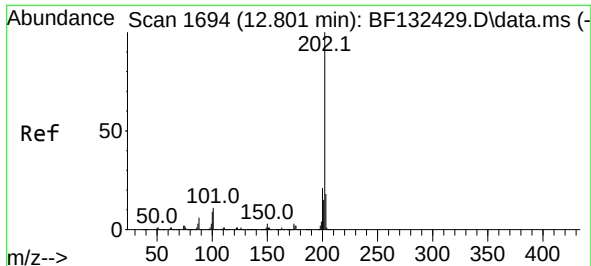
Reviewed By :Christian Giraldo 02/17/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#72
Anthracene
Concen: 2.290 ng
RT: 11.648 min Scan# 1498
Delta R.T. -0.012 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

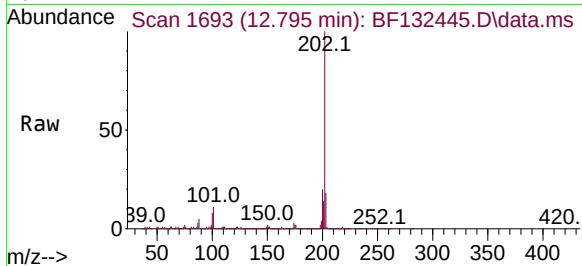
Tgt Ion:178 Resp: 76830
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 16.7 12.4 18.6





#75
Fluoranthene
Concen: 11.693 ng
RT: 12.795 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

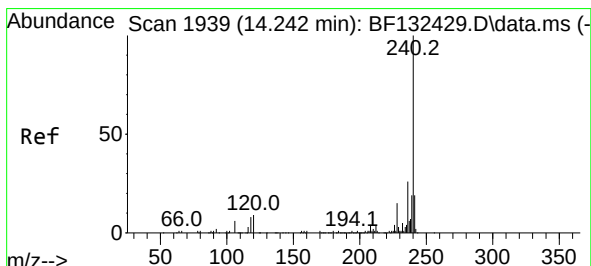
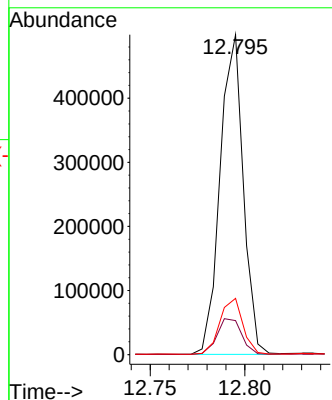
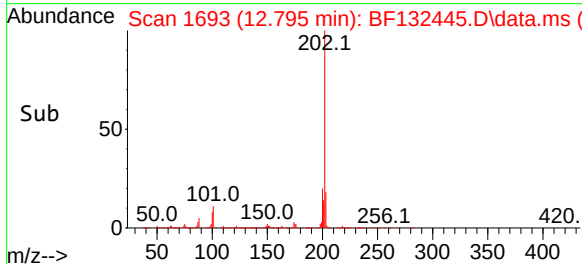
Instrument :
BNA_F
ClientSampleId :
RBR-200028



Tgt Ion:202 Resp: 425524
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.3
203 17.6 0.0 37.8

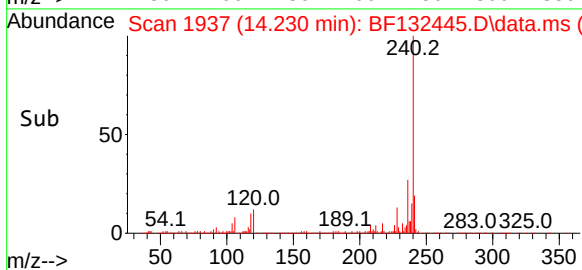
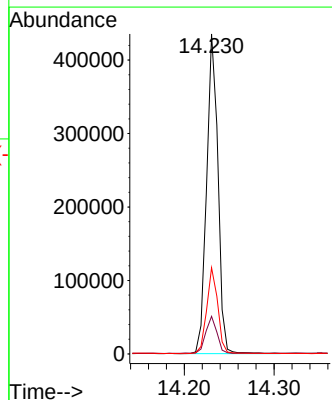
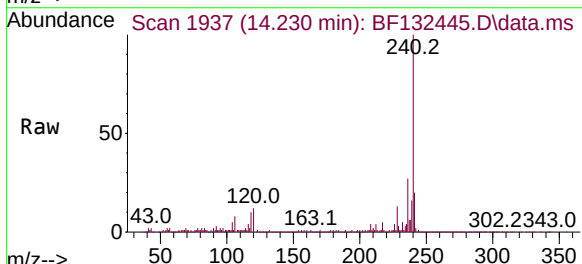
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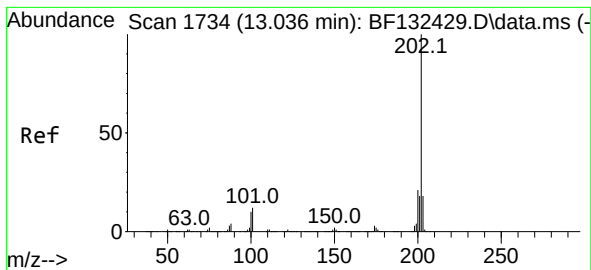
Reviewed By :Christian Giraldo 02/17/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.230 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:240 Resp: 381088
Ion Ratio Lower Upper
240 100
120 11.7 7.5 11.3#
236 26.9 21.0 31.6





#78

Pyrene

Concen: 11.061 ng

RT: 13.024 min Scan# 1732

Delta R.T. -0.012 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Instrument :

BNA_F

ClientSampleId :

RBR-200028

Tgt Ion:202 Resp: 358085

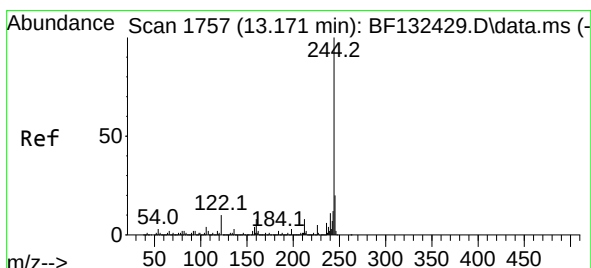
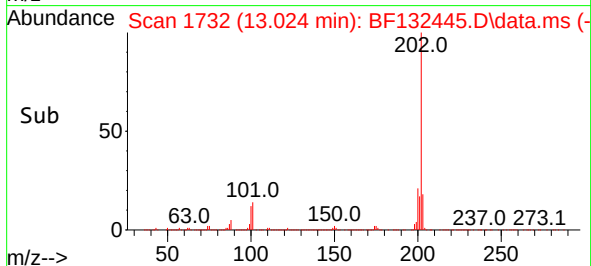
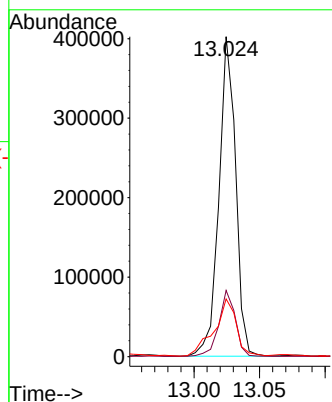
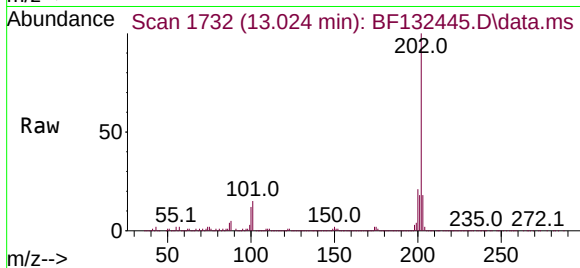
Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	18.0	14.3	21.5

Manual Integrations

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Reviewed By :Christian Giraldo 02/17/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#79

Terphenyl-d14

Concen: 55.970 ng

RT: 13.166 min Scan# 1756

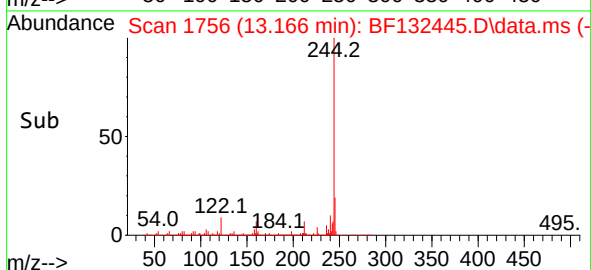
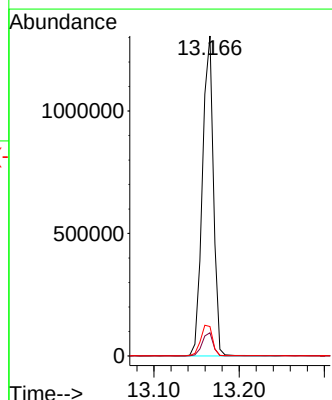
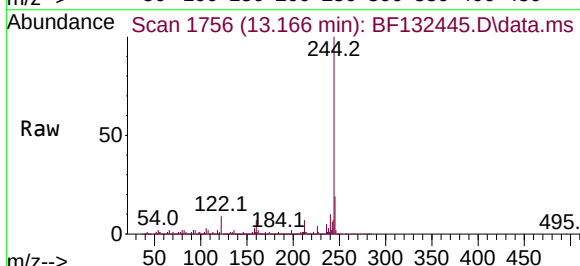
Delta R.T. -0.006 min

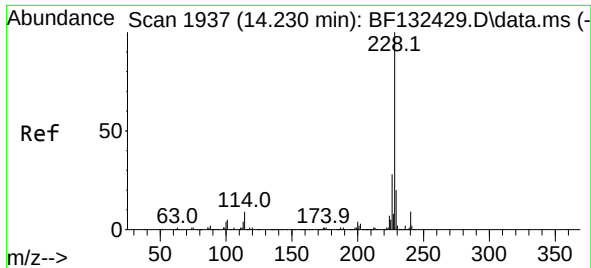
Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Tgt Ion:244 Resp: 1171170

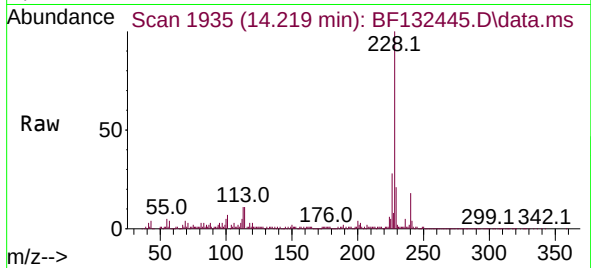
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.7	10.1
122	9.2	7.7	11.5





#81
Benzo(a)anthracene
Concen: 7.579 ng
RT: 14.219 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

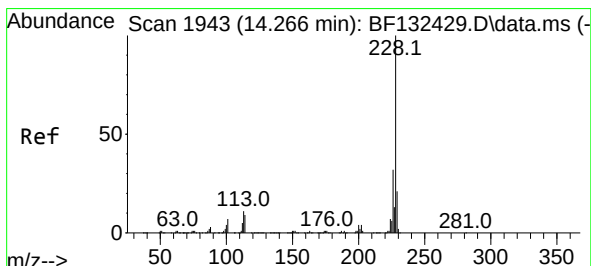
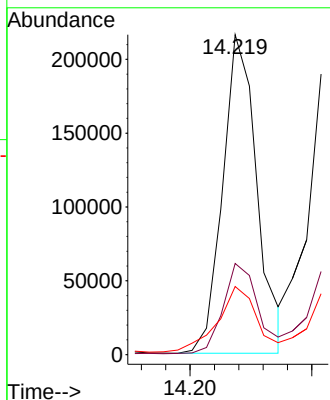
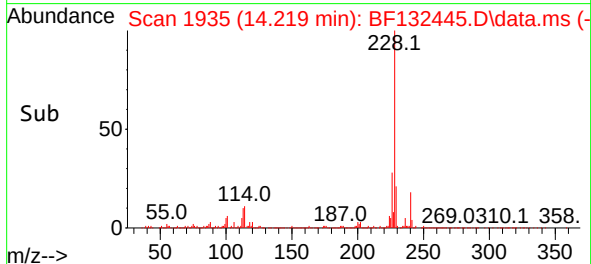
Instrument :
BNA_F
ClientSampleId :
RBR-200028



Tgt Ion:228 Resp: 211550
Ion Ratio Lower Upper
228 100
226 28.5 22.6 34.0
229 21.3 16.2 24.4

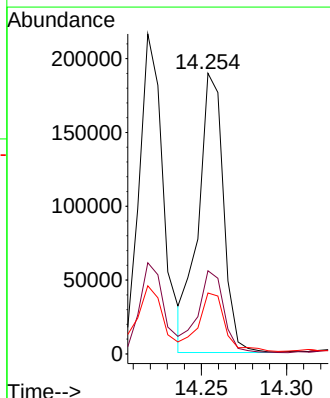
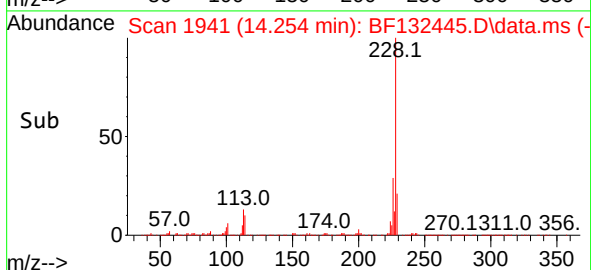
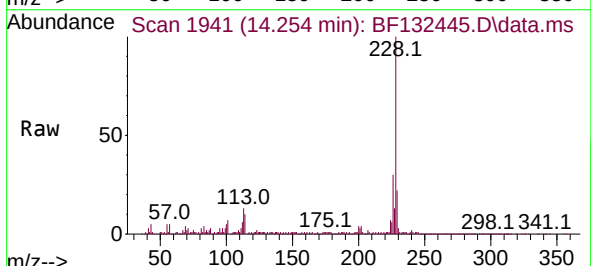
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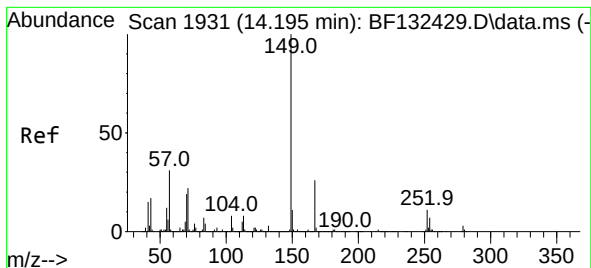
Reviewed By :Christian Giraldo 02/17/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#83
Chrysene
Concen: 7.331 ng
RT: 14.254 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

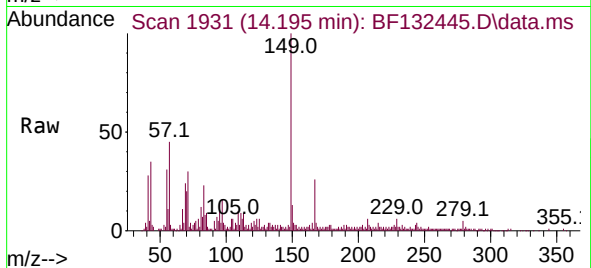
Tgt Ion:228 Resp: 195503
Ion Ratio Lower Upper
228 100
226 29.6 25.4 38.2
229 21.7 16.6 25.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.598 ng
RT: 14.195 min Scan# 1931
Delta R.T. 0.000 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

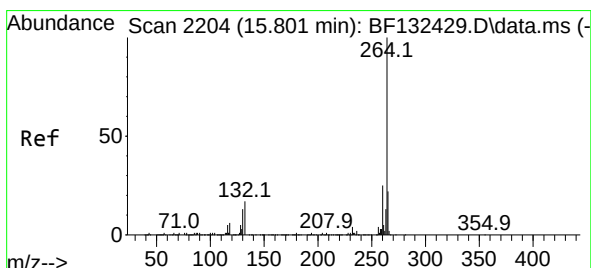
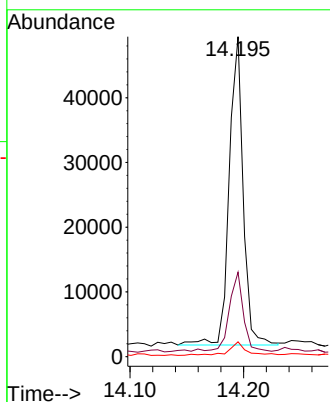
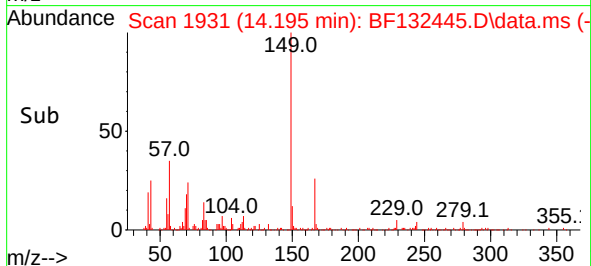
Instrument :
BNA_F
ClientSampleId :
RBR-200028



Tgt Ion:149 Resp: 40631
Ion Ratio Lower Upper
149 100
167 26.4 21.0 31.6
279 4.6 2.5 3.7

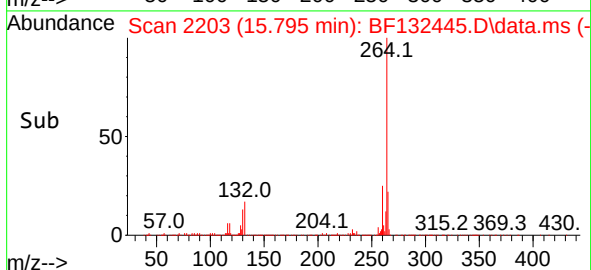
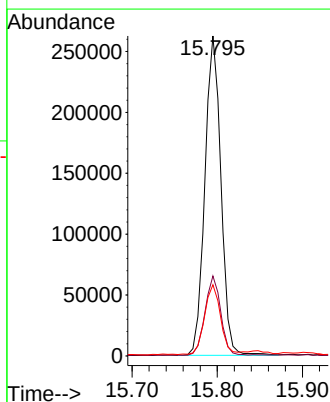
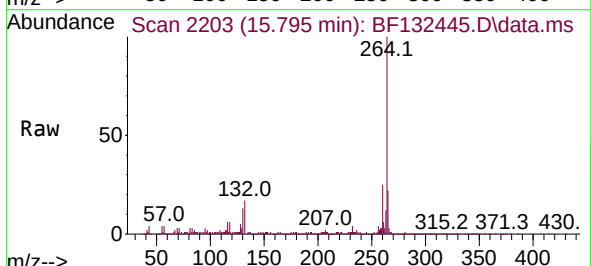
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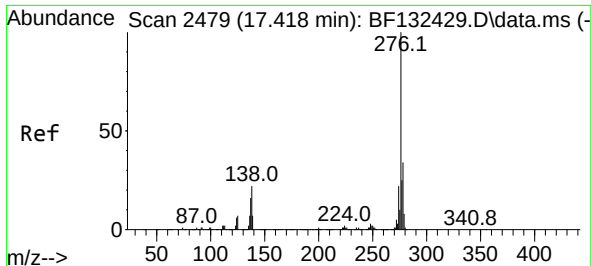
Reviewed By :Christian Giraldo 02/17/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.795 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:264 Resp: 343324
Ion Ratio Lower Upper
264 100
260 25.0 20.0 30.0
265 22.2 17.2 25.8





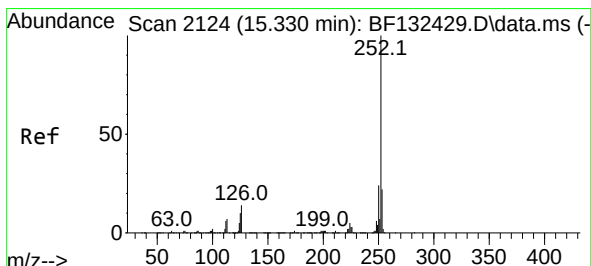
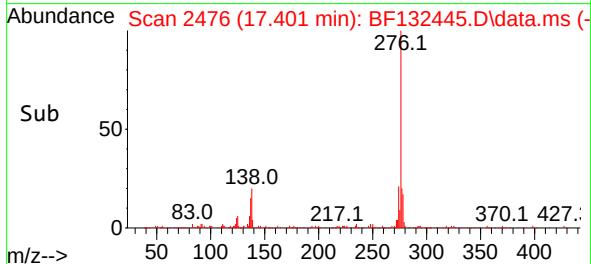
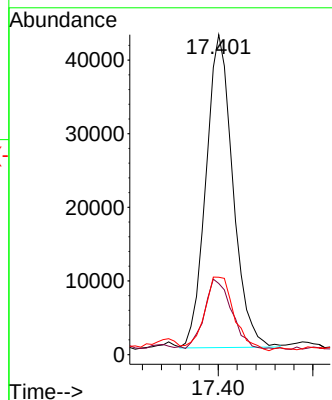
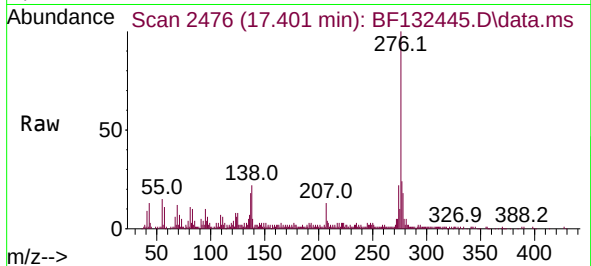
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.823 ng
RT: 17.401 min Scan# 2479
Delta R.T. -0.018 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Instrument :
BNA_F
ClientSampleId :
RBR-200028

Tgt Ion:276 Resp: 83911
Ion Ratio Lower Upper
276 100
138 23.4 20.2 30.4
277 26.0 20.0 30.0

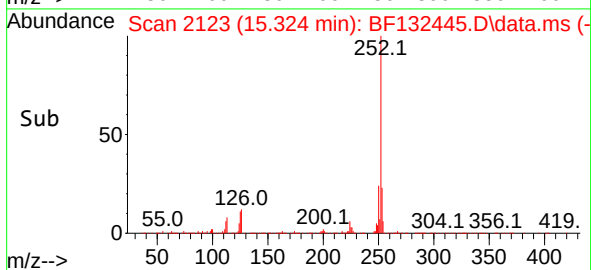
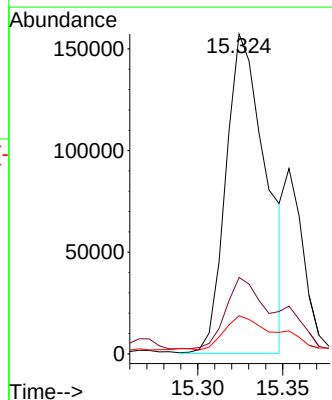
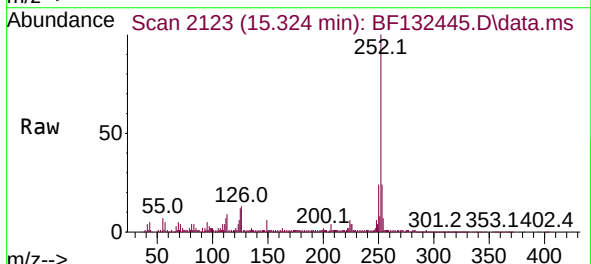
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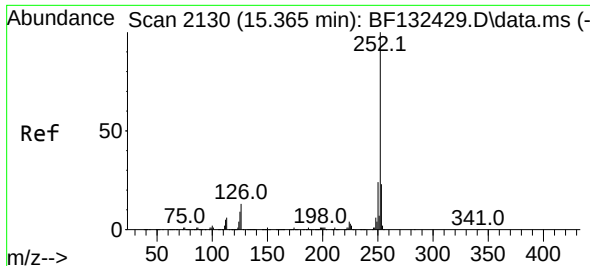
Reviewed By :Christian Giraldo 02/17/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#88
Benzo(b)fluoranthene
Concen: 11.412 ng m
RT: 15.324 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF132445.D
Acq: 16 Feb 2023 21:34

Tgt Ion:252 Resp: 257655
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 11.9 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 3.087 ng m

RT: 15.354 min Scan# 2130

Delta R.T. -0.012 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

Instrument :

BNA_F

ClientSampleId :

RBR-200028

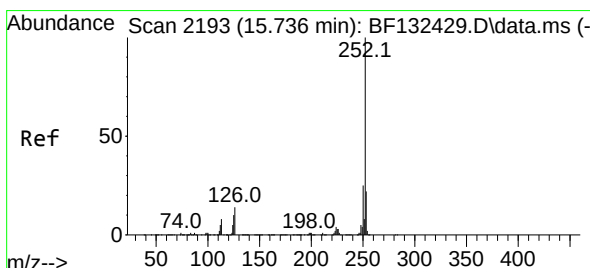
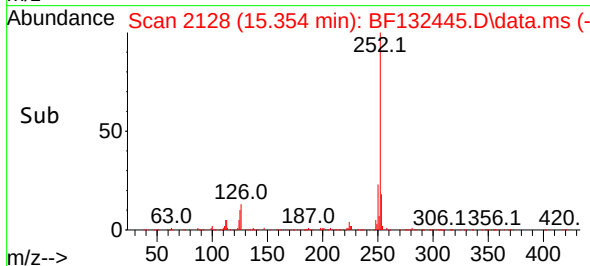
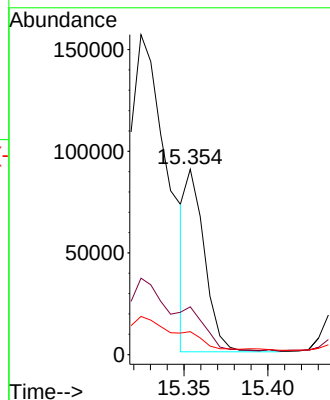
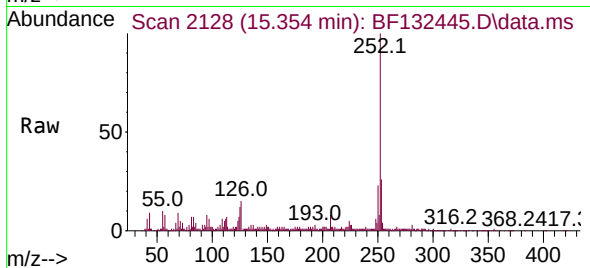
Tgt Ion:	252	Resp:	69756
Ion Ratio	Lower	Upper	
252	100		
253	25.8	18.2	27.2
125	12.4	7.5	11.3

Manual Integrations

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Reviewed By :Christian Giraldo 02/17/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#90

Benzo(a)pyrene

Concen: 7.575 ng

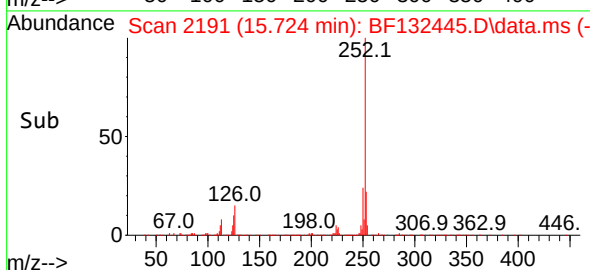
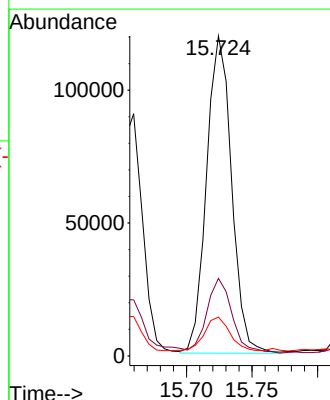
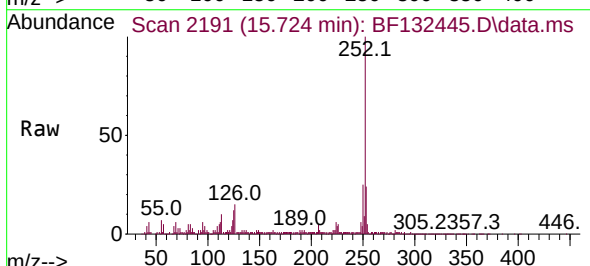
RT: 15.724 min Scan# 2191

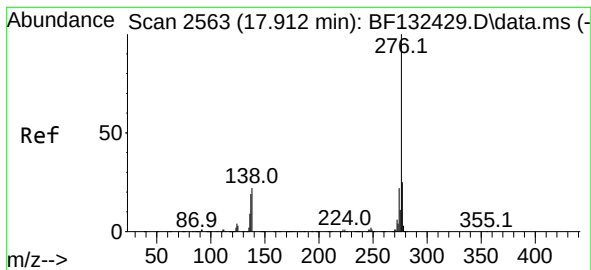
Delta R.T. -0.012 min

Lab File: BF132445.D

Acq: 16 Feb 2023 21:34

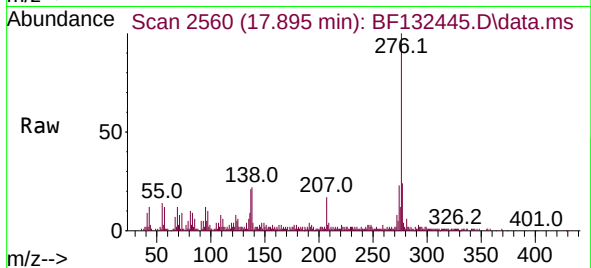
Tgt Ion:	252	Resp:	158936
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.6	26.4
125	12.1	8.2	12.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.304 ng
 RT: 17.895 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF132445.D
 Acq: 16 Feb 2023 21:34

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200028



Tgt Ion: 276 Resp: 79894
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.6 29.4
 138 22.0 17.7 26.5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/17/2023
 Supervised By : Jagrut Upadhyay 02/17/2023

