

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
 Data File : BF132272.D
 Acq On : 01 Feb 2023 21:39
 Operator : CG\JU
 Sample : 01345-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200007

Manual Integrations
 APPROVED

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

Quant Time: Feb 02 00:57:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 05:24:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.072	152	141241	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	462657	20.000	ng	# 0.00
39) Acenaphthene-d10	10.177	164	143019	20.000	ng	# 0.05
64) Phenanthrene-d10	11.736	188	109680	20.000	ng	# 0.11
76) Chrysene-d12	14.354	240	198995	20.000	ng	# 0.06
86) Perylene-d12	15.895	264	91577	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	1097673	124.921	ng	0.00
7) Phenol-d6	6.684	99	1335139	123.247	ng	0.00
23) Nitrobenzene-d5	7.631	82	795804	95.717	ng	0.00
42) 2,4,6-Tribromophenol	11.001	330	166160	112.976	ng	0.08
45) 2-Fluorobiphenyl	9.460	172	1004589	108.471	ng	0.02
79) Terphenyl-d14	13.307	244	572341	55.637	ng	0.09
Target Compounds						Qvalue
37) 2-Methylnaphthalene	9.083	142	47573	3.084	ng	85
38) 1-Methylnaphthalene	9.189	142	40308m	2.812	ng	
46) 1,1'-Biphenyl	9.572	154	101682	9.222	ng	# 75
75) Fluoranthene	12.965	202	70480	12.050	ng	# 30
78) Pyrene	13.195	202	79148m	4.945	ng	
81) Benzo(a)anthracene	14.342	228	35735	2.568	ng	# 50
83) Chrysene	14.377	228	47223	3.623	ng	# 72
88) Benzo(b)fluoranthene	15.424	252	22043m	3.787	ng	
90) Benzo(a)pyrene	15.824	252	11866	2.189	ng	# 62
92) Benzo(g,h,i)perylene	18.012	276	11451	2.266	ng	98

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

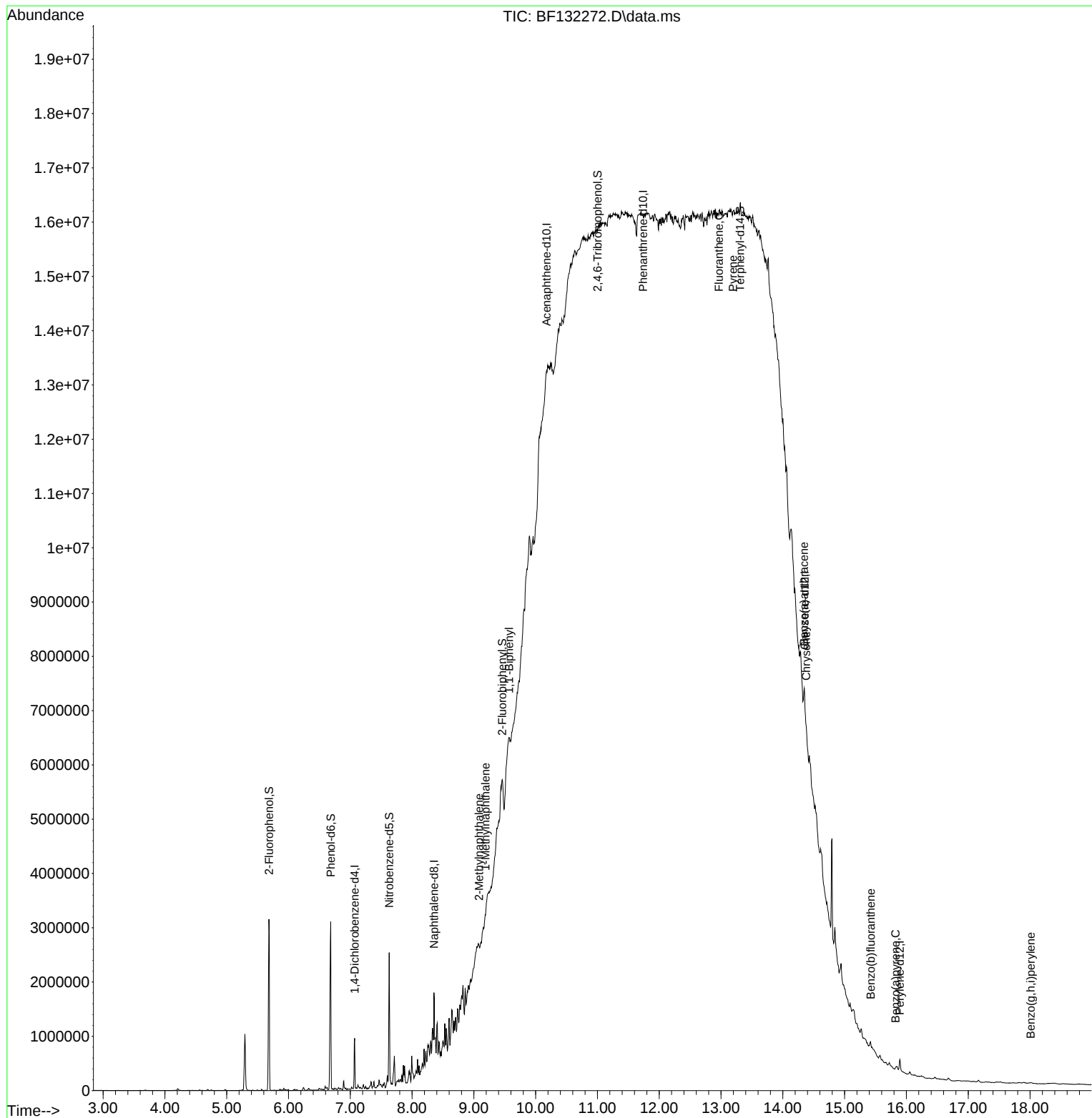
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
Data File : BF132272.D
Acq On : 01 Feb 2023 21:39
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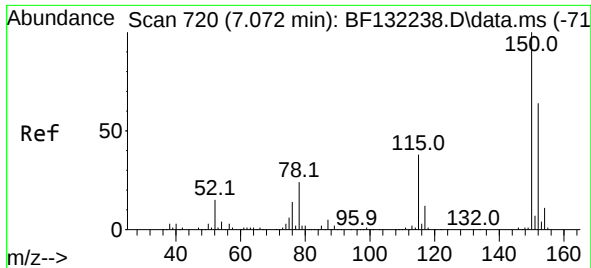
Instrument :
BNA_F
ClientSampleId :
RBR200007

Quant Time: Feb 02 00:57:51 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 05:24:37 2023
Response via : Initial Calibration

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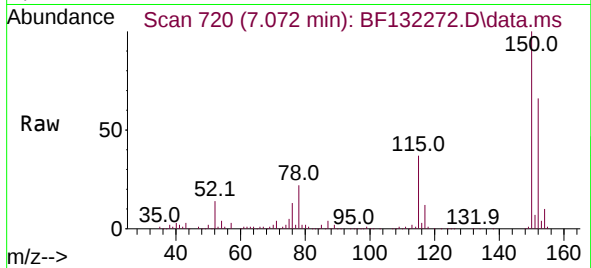
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.072 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

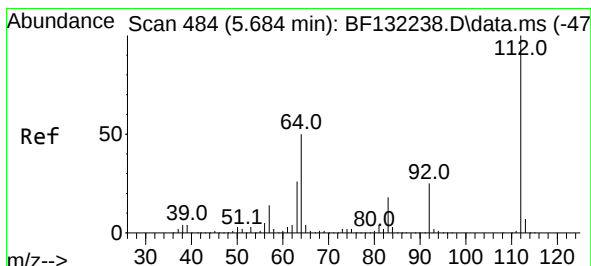
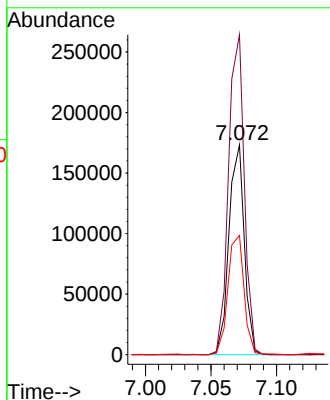
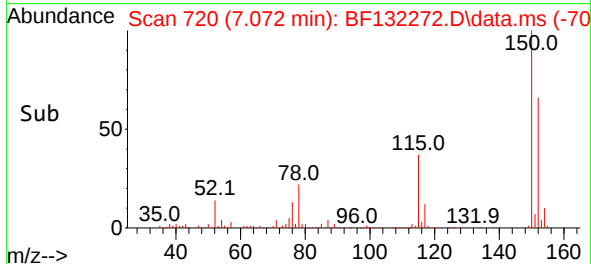
Instrument :
BNA_F
ClientSampleId :
RBR200007



Tgt Ion:152 Resp: 141241
Ion Ratio Lower Upper
152 100
150 152.6 124.2 186.2
115 56.8 47.3 70.9

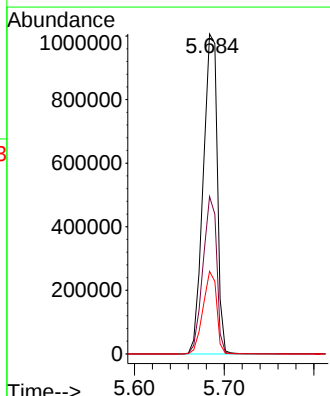
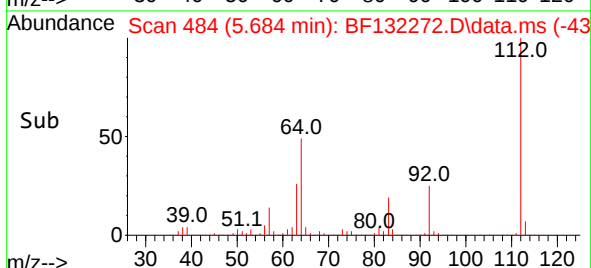
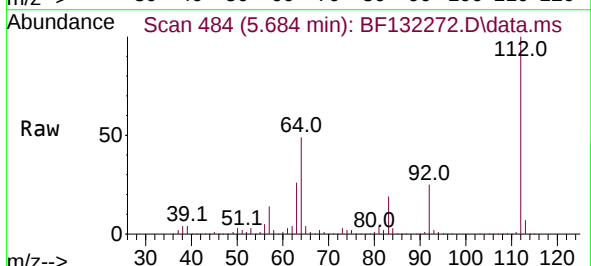
Manual Integrations
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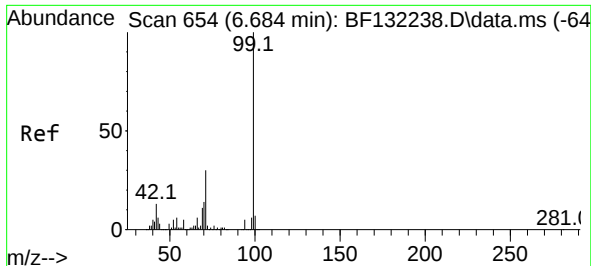
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#5
2-Fluorophenol
Concen: 124.921 ng
RT: 5.684 min Scan# 484
Delta R.T. -0.000 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

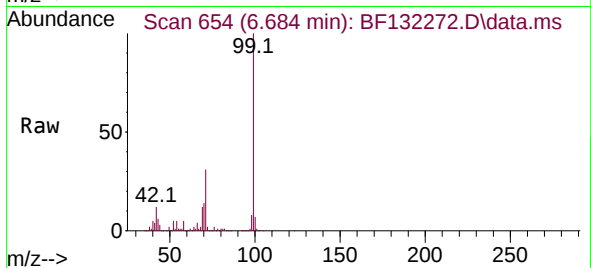
Tgt Ion:112 Resp: 1097673
Ion Ratio Lower Upper
112 100
64 49.2 40.0 60.0
63 25.8 20.5 30.7





#7
Phenol-d6
Concen: 123.247 ng
RT: 6.684 min Scan# 654
Delta R.T. -0.000 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

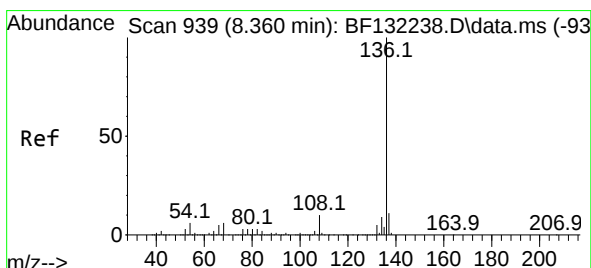
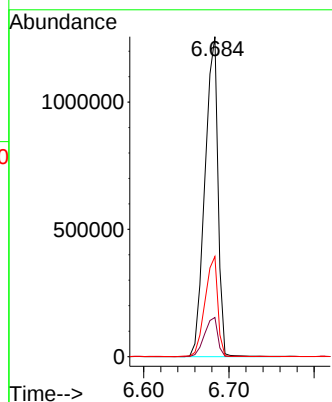
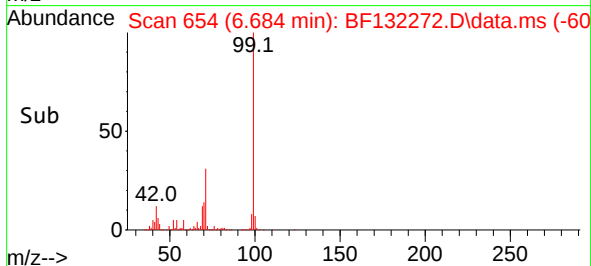
Instrument :
BNA_F
ClientSampleId :
RBR200007



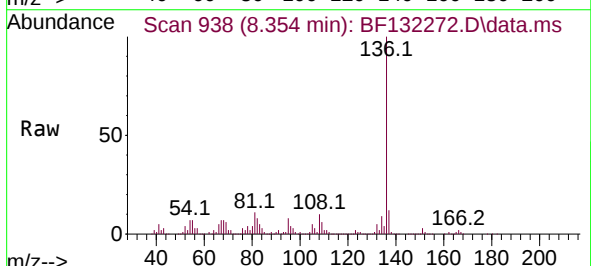
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Ion Ratio Lower Upper
99 100
42 12.2 10.1 15.1
71 31.3 24.2 36.4

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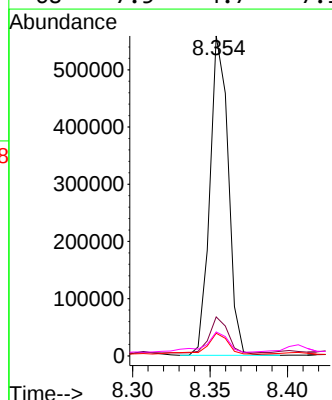
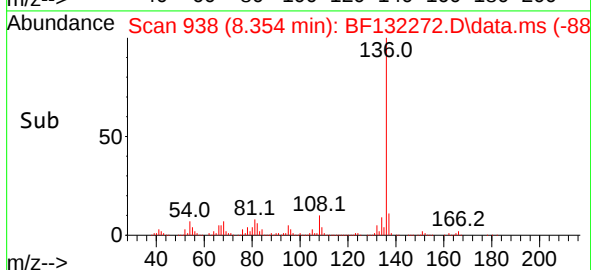
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

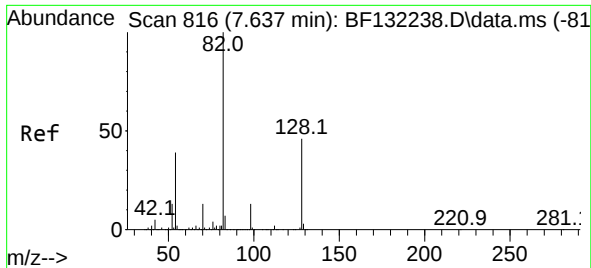


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39



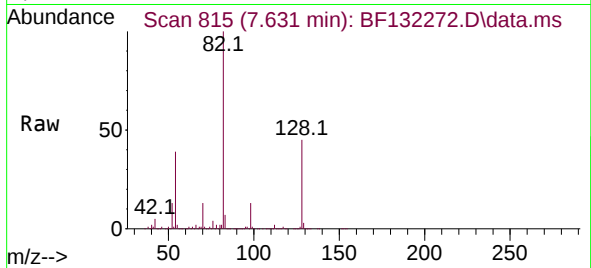
Tgt Ion:136 Resp: 462657
Ion Ratio Lower Upper
136 100
137 12.2 8.8 13.2
54 7.1 4.9 7.3
68 7.5 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 95.717 ng
RT: 7.631 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

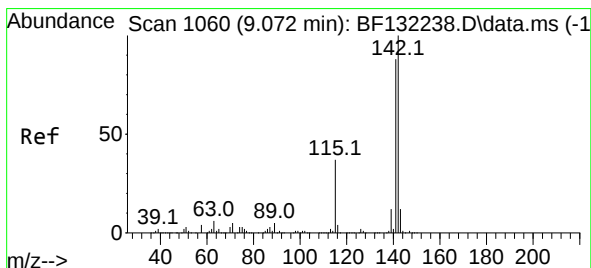
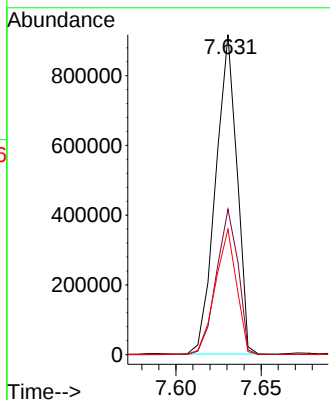
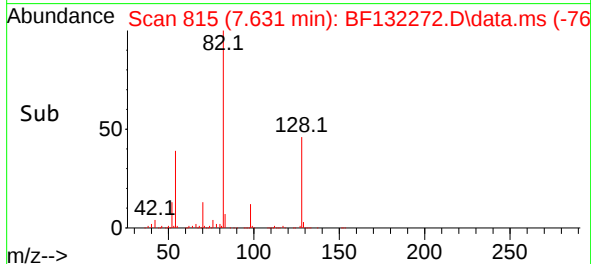
Instrument :
BNA_F
ClientSampleId :
RBR200007



Tgt Ion: 82 Resp: 795804
Ion Ratio Lower Upper
82 100
128 45.4 37.0 55.4
54 39.2 31.5 47.3

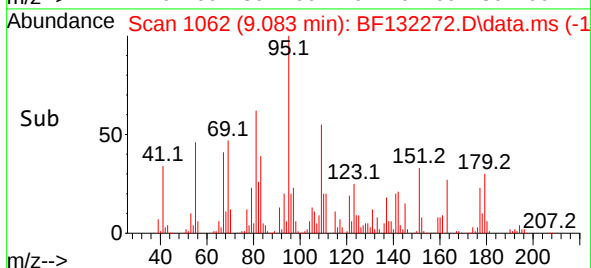
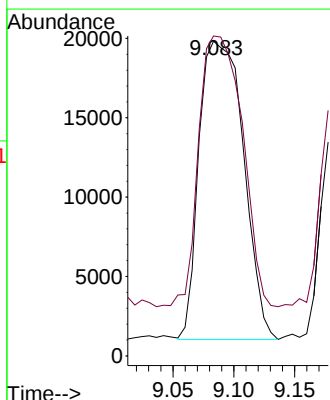
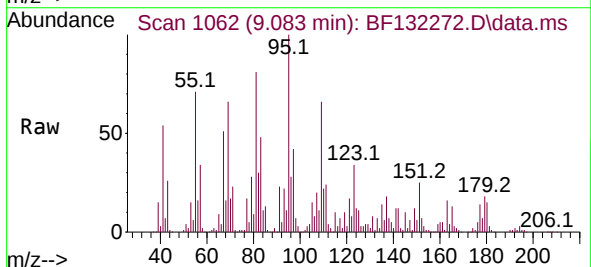
Manual Integrations
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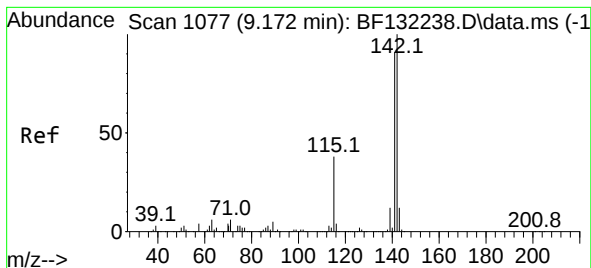
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#37
2-Methylnaphthalene
Concen: 3.084 ng
RT: 9.083 min Scan# 1062
Delta R.T. 0.011 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

Tgt Ion:142 Resp: 47573
Ion Ratio Lower Upper
142 100
141 101.7 70.1 105.1





#38

1-Methylnaphthalene

Concen: 2.812 ng m

RT: 9.189 min Scan# 1077

Delta R.T. 0.017 min

Lab File: BF132272.D

Acq: 01 Feb 2023 21:39

Instrument :

BNA_F

ClientSampleId :

RBR200007

Tgt Ion:142 Resp: 40308

Ion Ratio Lower Upper

142 100

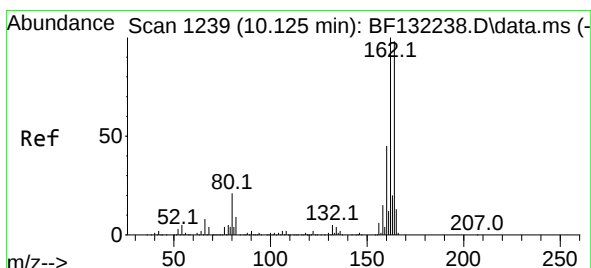
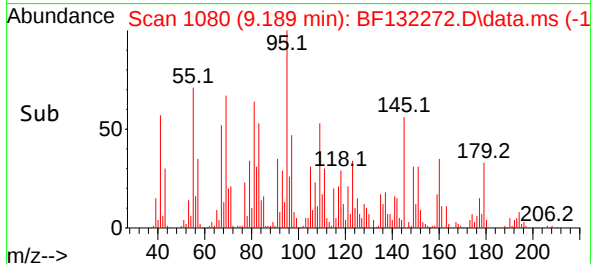
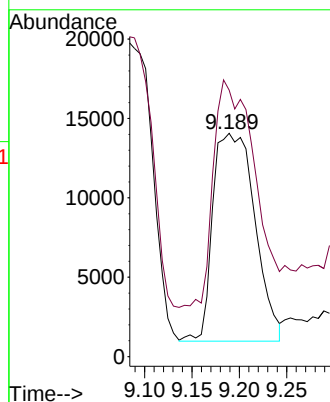
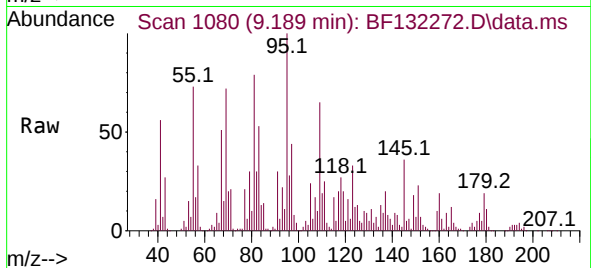
141 119.3 72.6 108.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/02/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.177 min Scan# 1248

Delta R.T. 0.053 min

Lab File: BF132272.D

Acq: 01 Feb 2023 21:39

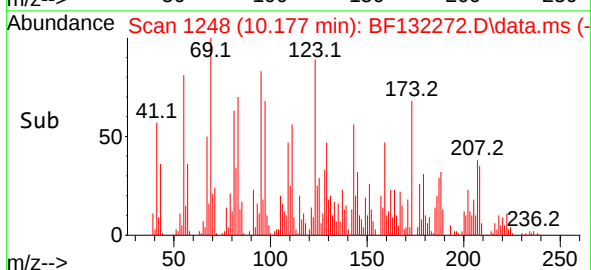
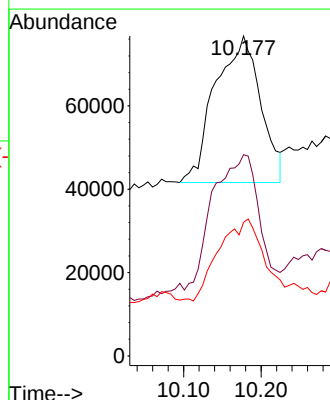
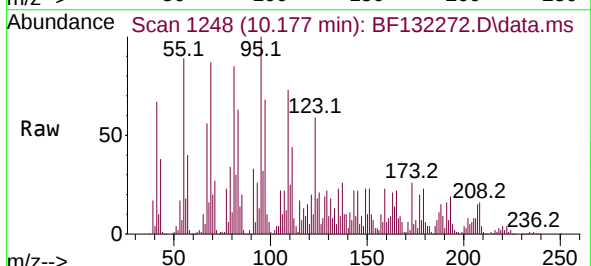
Tgt Ion:164 Resp: 143019

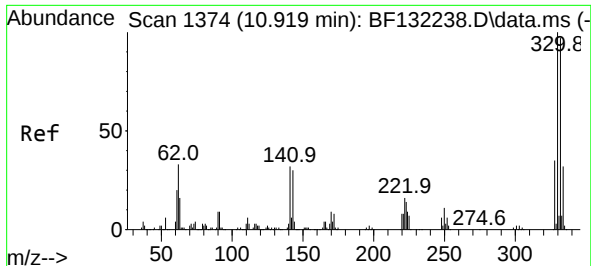
Ion Ratio Lower Upper

164 100

162 62.9 82.0 123.0

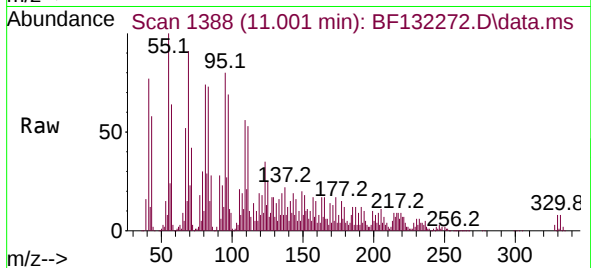
160 41.7 37.1 55.7





#42
2,4,6-Tribromophenol
Concen: 112.976 ng
RT: 11.001 min Scan# 1374
Delta R.T. 0.082 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

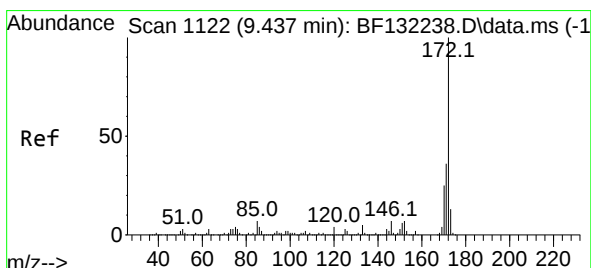
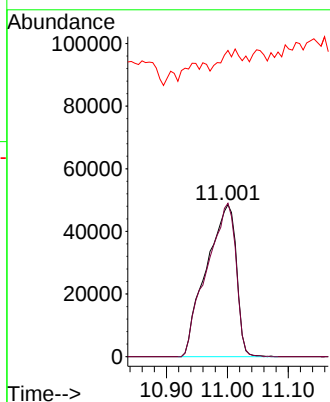
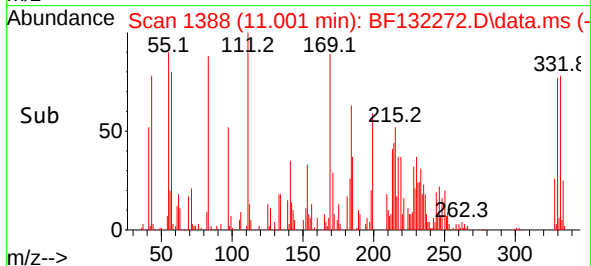
Instrument :
BNA_F
ClientSampleId :
RBR200007



Tgt Ion: 330 Resp: 166160
Ion Ratio Lower Upper
330 100
332 98.1 77.9 116.9
141 9.2 31.0 46.4

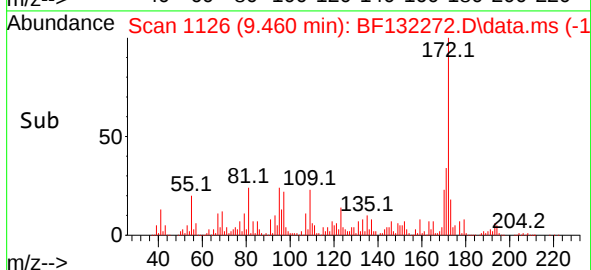
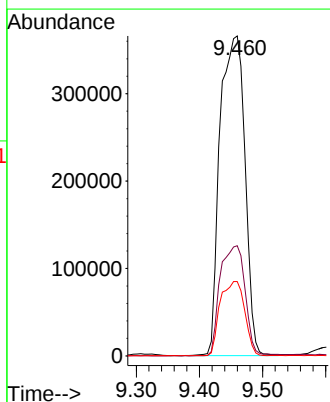
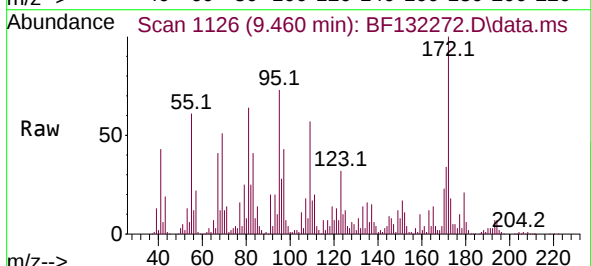
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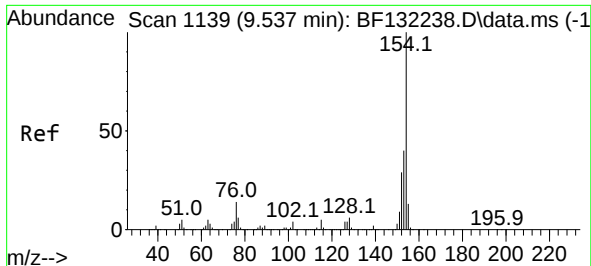
Reviewed By : Christian Giraldo 02/02/2023
Supervised By : Jagrut Upadhyay 02/02/2023



#45
2-Fluorobiphenyl
Concen: 108.471 ng
RT: 9.460 min Scan# 1126
Delta R.T. 0.023 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

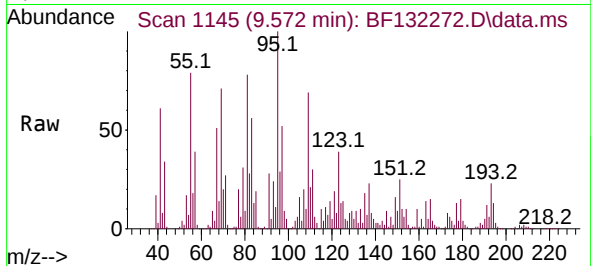
Tgt Ion: 172 Resp: 1004589
Ion Ratio Lower Upper
172 100
171 34.4 28.6 43.0
170 23.2 19.7 29.5





#46
1,1'-Biphenyl
Concen: 9.222 ng
RT: 9.572 min Scan# 1139
Delta R.T. 0.035 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

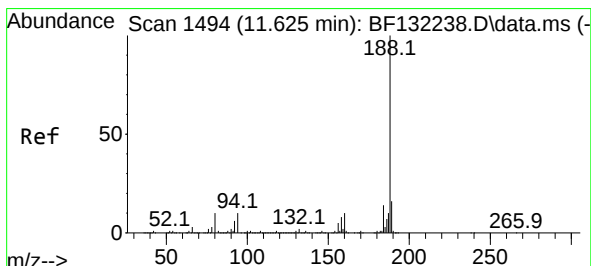
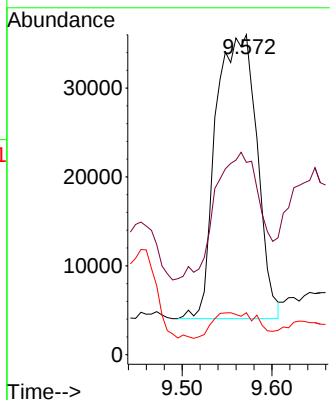
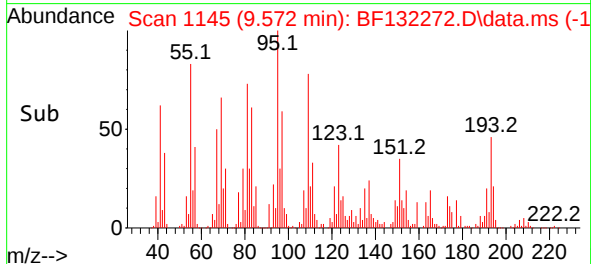
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BNA_F
ClientSampleId :
RBR200007



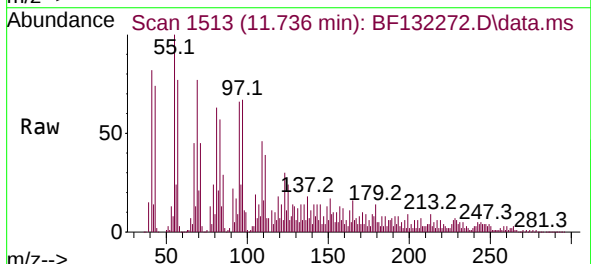
Tgt Ion:154 Resp: 101682
Ion Ratio Lower Upper
154 100
153 60.1 19.9 59.9#
76 13.1 0.0 34.0

Manual Integrations
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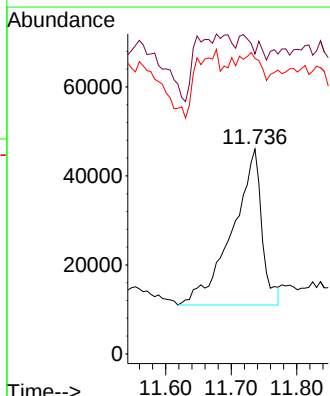
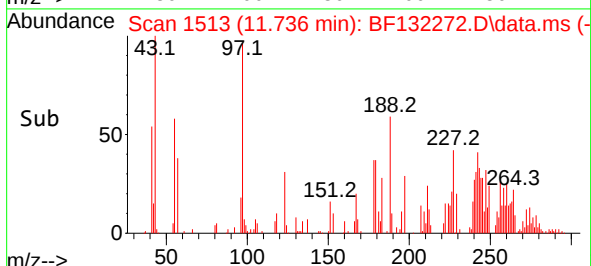
Reviewed By :Christian Giraldo 02/02/2023
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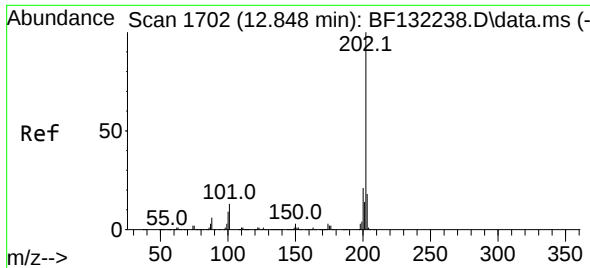


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.736 min Scan# 1513
Delta R.T. 0.111 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39



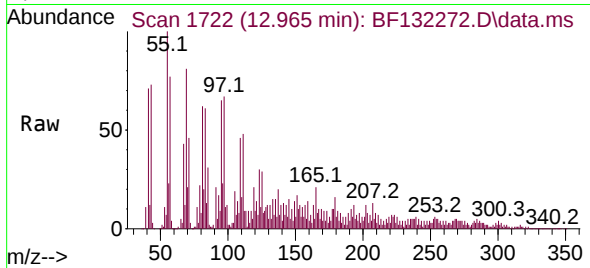
Tgt Ion:188 Resp: 109680
Ion Ratio Lower Upper
188 100
94 146.5 8.2 12.2#
80 144.3 8.3 12.5#





#75
Fluoranthene
Concen: 12.050 ng
RT: 12.965 min Scan# 1722
Delta R.T. 0.117 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

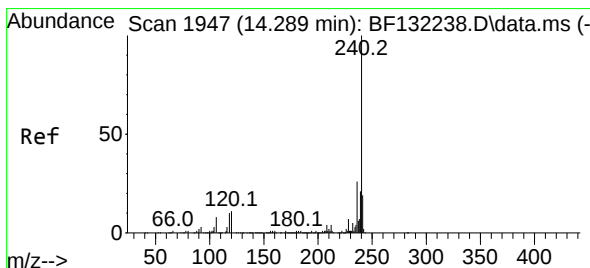
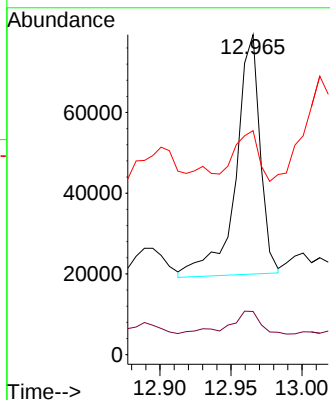
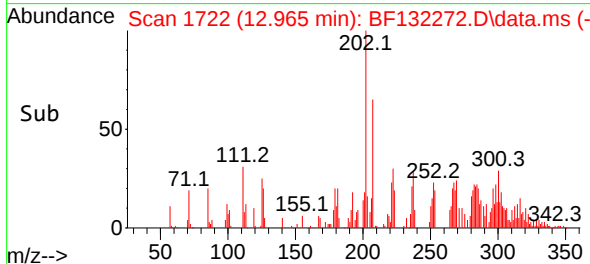
Instrument :
BNA_F
ClientSampleId :
RBR200007



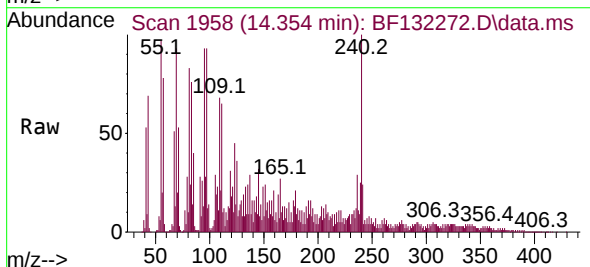
Tgt Ion:202 Resp: 70480
Ion Ratio Lower Upper
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101 13.5 0.0 32.7
203 70.0 0.0 37.9

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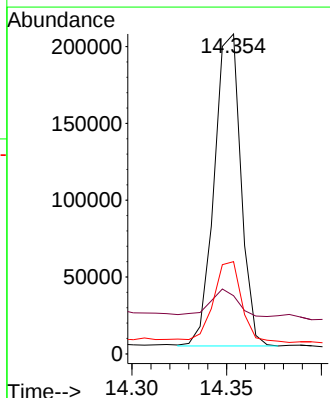
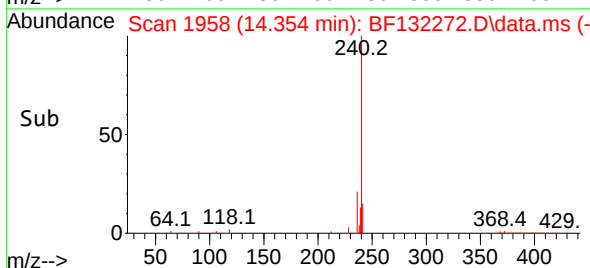
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

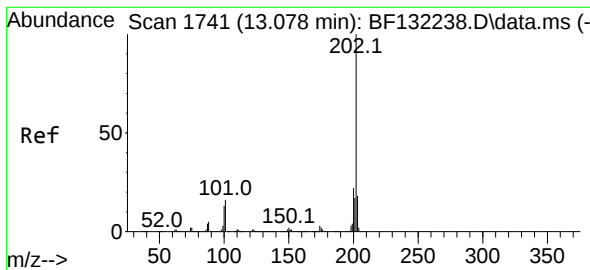


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.354 min Scan# 1958
Delta R.T. 0.064 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39



Tgt Ion:240 Resp: 198995
Ion Ratio Lower Upper
240 100
120 18.2 8.8 13.2
236 28.8 21.0 31.6





#78

Pyrene

Concen: 4.945 ng m

RT: 13.195 min Scan# 1761

Delta R.T. 0.117 min

Lab File: BF132272.D

Acq: 01 Feb 2023 21:39

Instrument :

BNA_F

ClientSampleId :

RBR200007

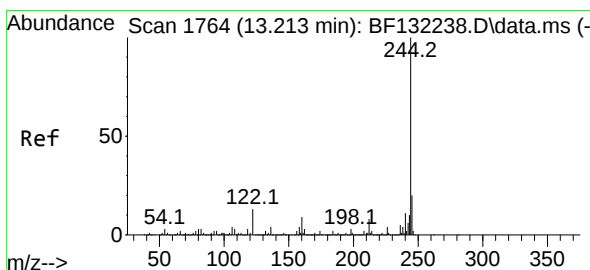
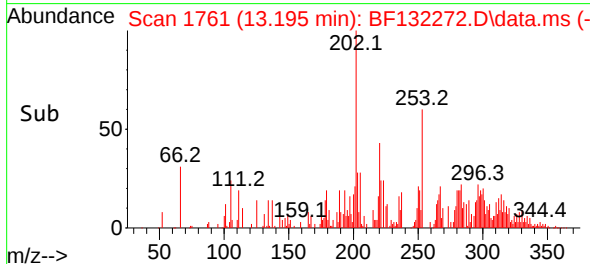
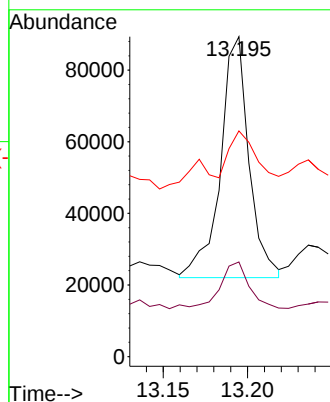
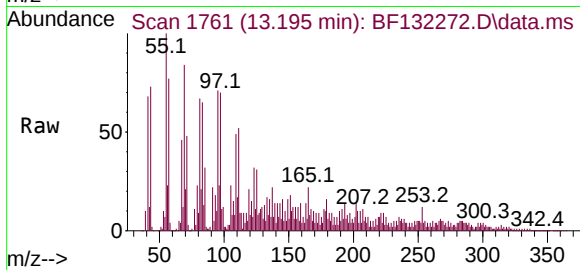
Tgt Ion:	202	Resp:	79148
Ion Ratio	Lower	Upper	
202	100		
200	29.6	17.3	25.9
203	70.5	14.4	21.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/02/2023



#79

Terphenyl-d14

Concen: 55.637 ng

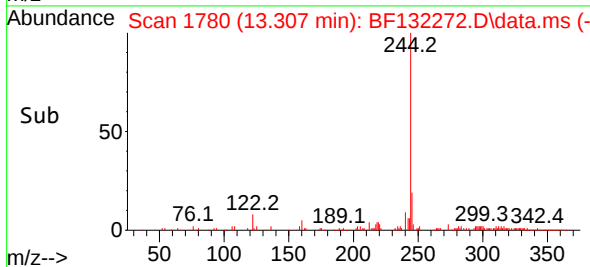
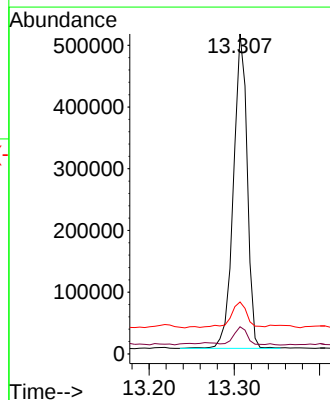
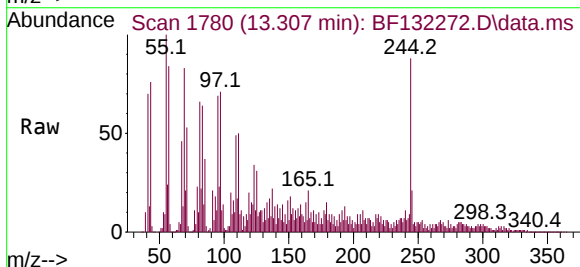
RT: 13.307 min Scan# 1780

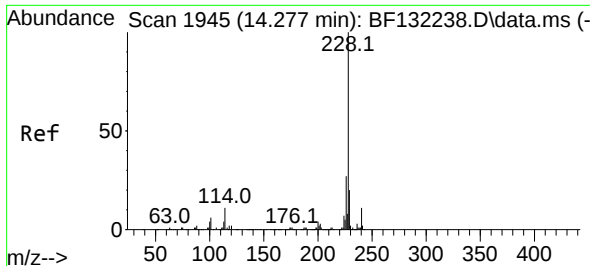
Delta R.T. 0.094 min

Lab File: BF132272.D

Acq: 01 Feb 2023 21:39

Tgt Ion:	244	Resp:	572341
Ion Ratio	Lower	Upper	
244	100		
212	8.5	6.4	9.6
122	16.2	10.5	15.7





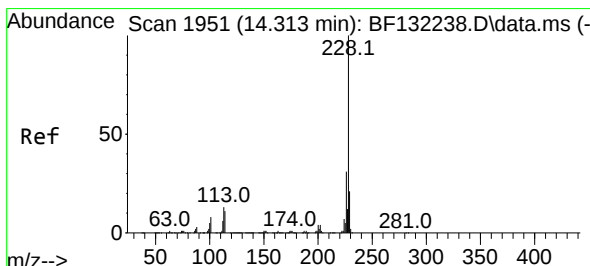
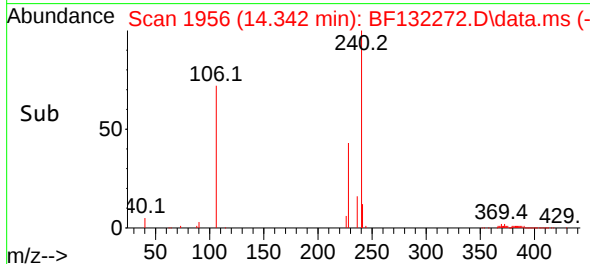
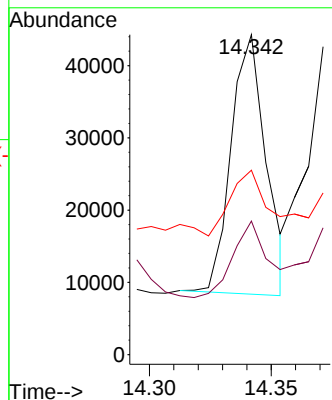
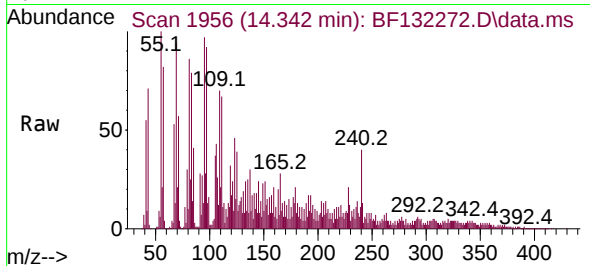
#81
Benzo(a)anthracene
Concen: 2.568 ng
RT: 14.342 min Scan# 1956
Delta R.T. 0.064 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

Instrument :
BNA_F
ClientSampleId :
RBR200007

Tgt Ion:228 Resp: 35735
Ion Ratio Lower Upper
228 100
226 41.7 22.0 33.0#
229 57.6 15.8 23.6#

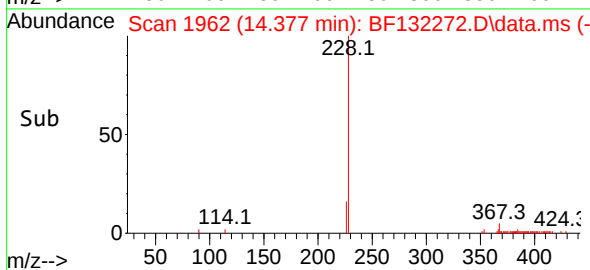
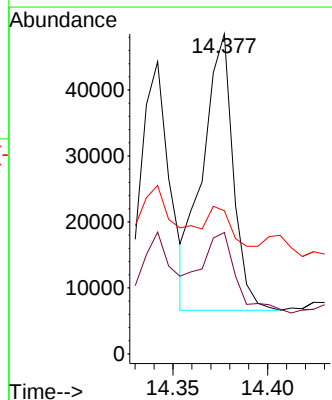
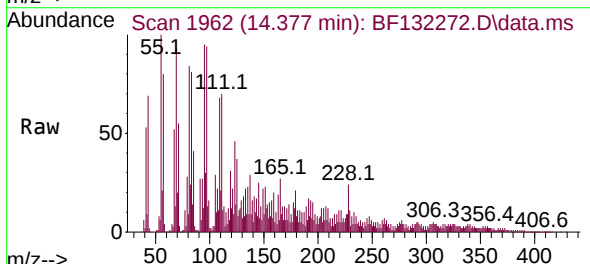
Manual Integrations
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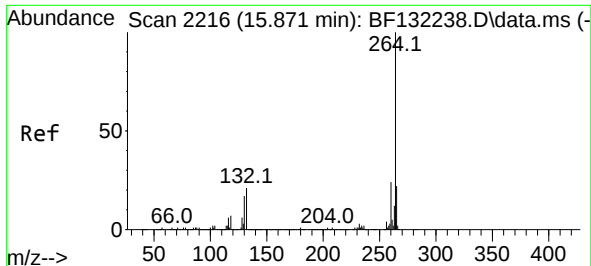
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#83
Chrysene
Concen: 3.623 ng
RT: 14.377 min Scan# 1962
Delta R.T. 0.064 min
Lab File: BF132272.D
Acq: 01 Feb 2023 21:39

Tgt Ion:228 Resp: 47223
Ion Ratio Lower Upper
228 100
226 37.9 24.9 37.3#
229 44.7 16.4 24.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.895 min Scan# 2110

Delta R.T. 0.023 min

Lab File: BF132272.D

Acq: 01 Feb 2023 21:39

Instrument :

BNA_F

ClientSampleId :

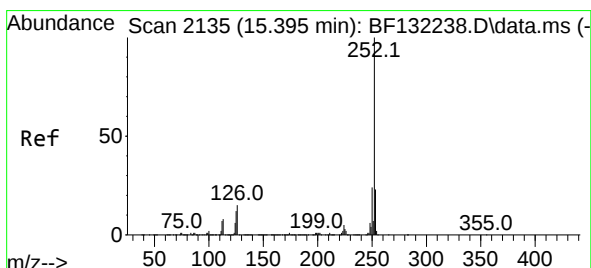
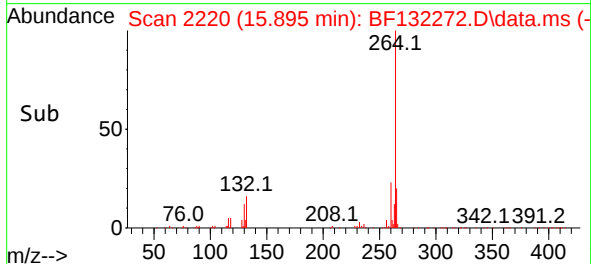
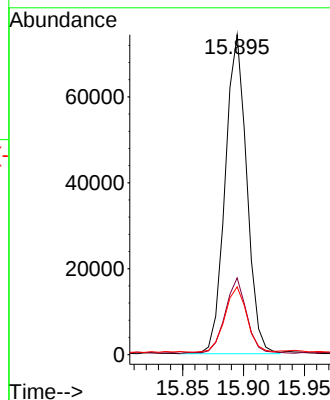
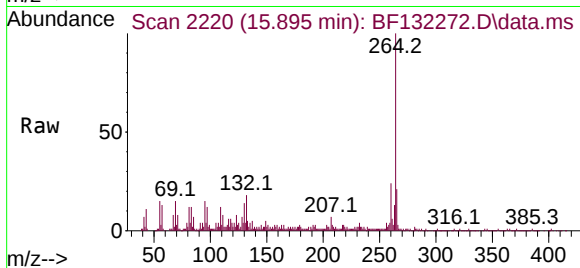
RBR200007

Tgt Ion:264	Resp:	91572
Ion Ratio	Lower	Upper
264	100	
260	24.0	19.0 28.4
265	21.2	17.4 26.2

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 3.787 ng m

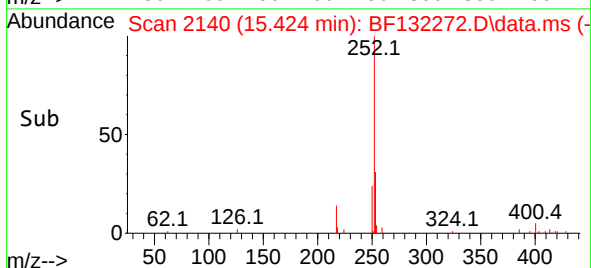
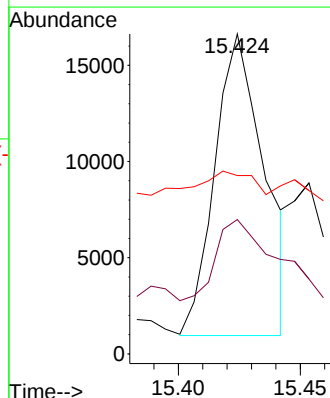
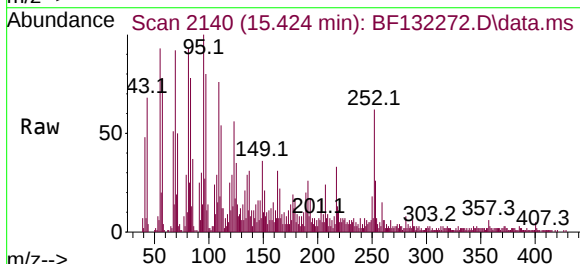
RT: 15.424 min Scan# 2140

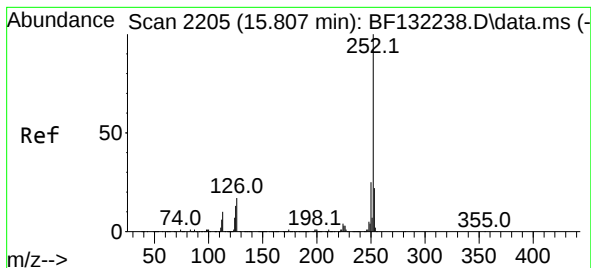
Delta R.T. 0.029 min

Lab File: BF132272.D

Acq: 01 Feb 2023 21:39

Tgt Ion:252	Resp:	22043
Ion Ratio	Lower	Upper
252	100	
253	42.0	18.1 27.1#
125	55.7	9.6 14.4#





#90

Benzo(a)pyrene

Concen: 2.189 ng

RT: 15.824 min Scan# 2208

Delta R.T. 0.017 min

Lab File: BF132272.D

Acq: 01 Feb 2023 21:39

Instrument :

BNA_F

ClientSampleId :

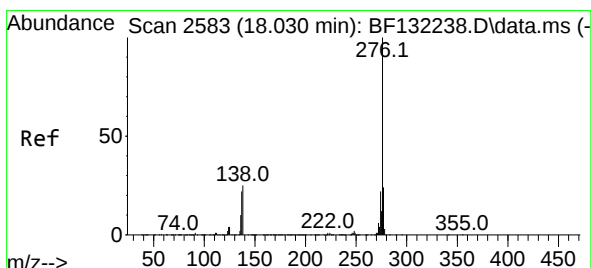
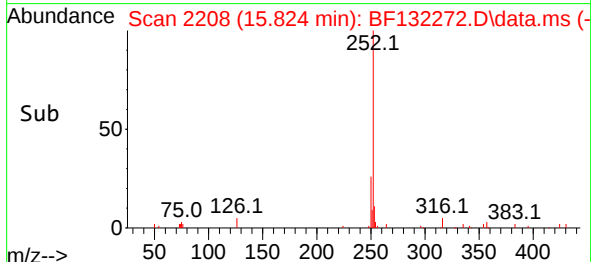
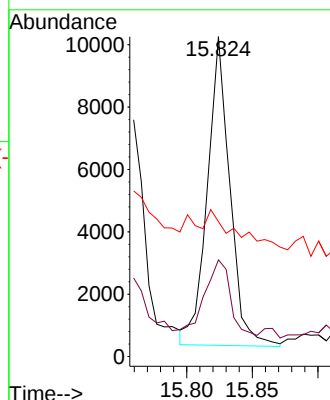
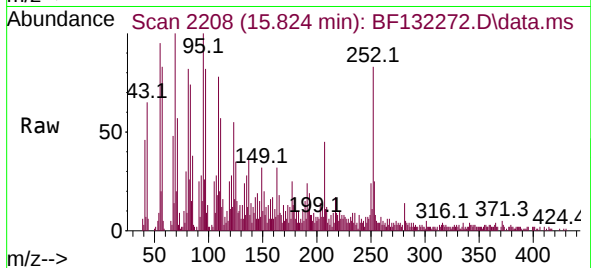
RBR200007

Tgt Ion:	252	Resp:	11866
Ion Ratio	Lower	Upper	
252	100		
253	30.2	17.8	26.8
125	42.2	10.2	15.4

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 2.266 ng

RT: 18.012 min Scan# 2580

Delta R.T. -0.018 min

Lab File: BF132272.D

Acq: 01 Feb 2023 21:39

Tgt Ion:	276	Resp:	11451
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.4	29.2
138	23.5	20.3	30.5

