

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132478.D
 Acq On : 20 Feb 2023 14:12
 Operator : CG\JU
 Sample : 01586-07RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/21/2023
 Supervised By : Jagrut Upadhyay 02/21/2023

Quant Time: Feb 21 01:02:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 20 13:34:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	244953	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	876614	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	419964	20.000	ng	0.00
64) Phenanthrene-d10	11.571	188	639217	20.000	ng	0.00
76) Chrysene-d12	14.230	240	399723	20.000	ng	0.00
86) Perylene-d12	15.795	264	311052	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.642	112	80479	5.265	ng	0.00
7) Phenol-d6	6.642	99	1054171	52.811	ng	0.00
23) Nitrobenzene-d5	7.589	82	961969	52.728	ng	0.00
42) 2,4,6-Tribromophenol	10.866	330	910	0.217	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	1498907	55.118	ng	0.00
79) Terphenyl-d14	13.160	244	1210585	55.156	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.595	178	246278	7.481	ng	98
75) Fluoranthene	12.789	202	323739	8.818	ng	98
78) Pyrene	13.024	202	279100	8.219	ng	99
81) Benzo(a)anthracene	14.218	228	140513	4.800	ng	98
83) Chrysene	14.254	228	133718m	4.780	ng	
87) Indeno(1,2,3-cd)pyrene	17.401	276	42450	2.135	ng	94
88) Benzo(b)fluoranthene	15.324	252	124884m	6.105	ng	
89) Benzo(k)fluoranthene	15.354	252	46030m	2.249	ng	
90) Benzo(a)pyrene	15.724	252	81241	4.274	ng	# 90
92) Benzo(g,h,i)perylene	17.895	276	39377	2.341	ng	# 91

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

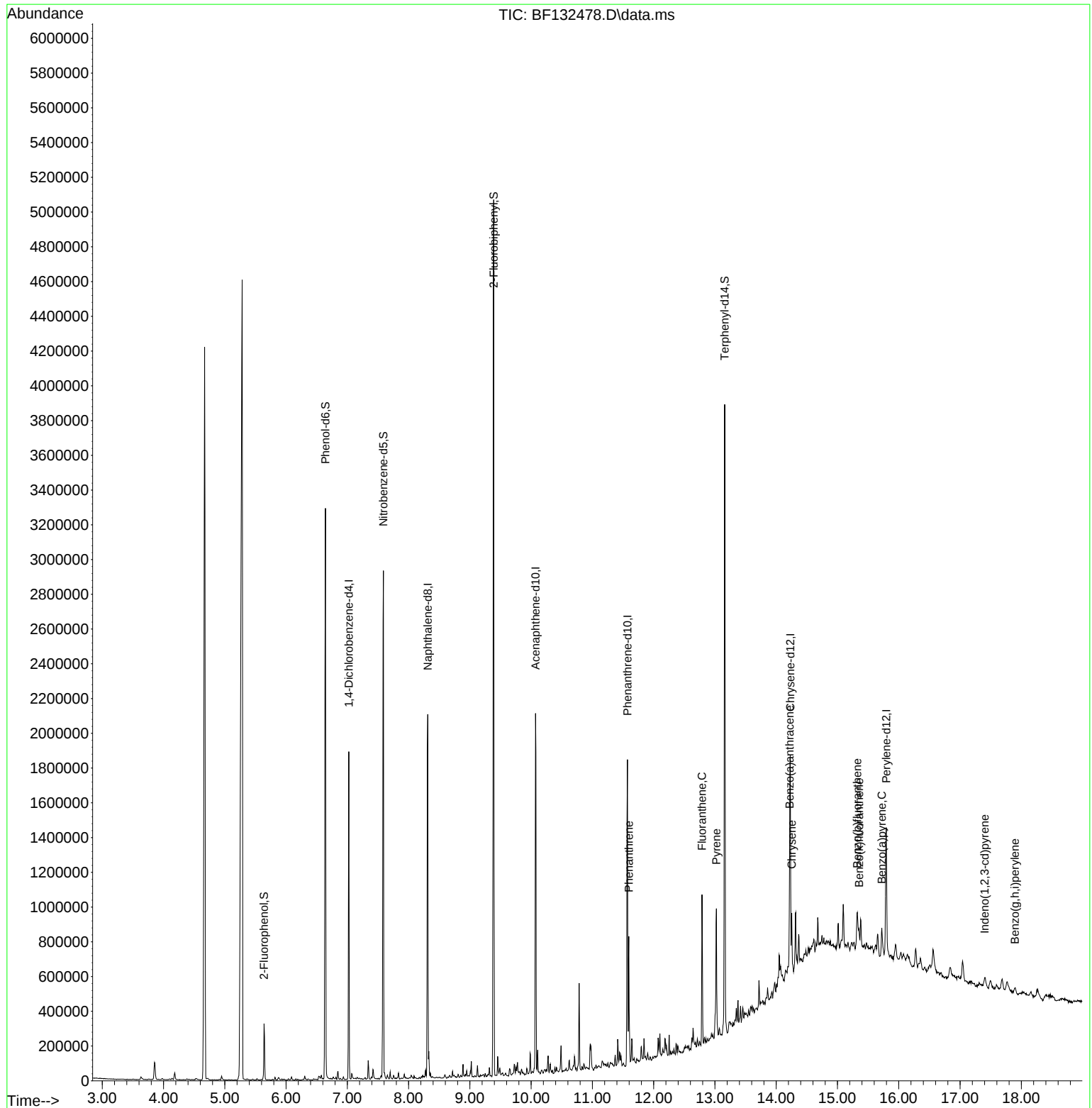
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
Data File : BF132478.D
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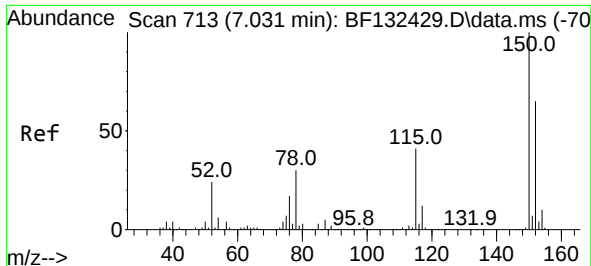
Instrument :
BNA_F
ClientSampleId :
COMP-4RE

Quant Time: Feb 21 01:02:18 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
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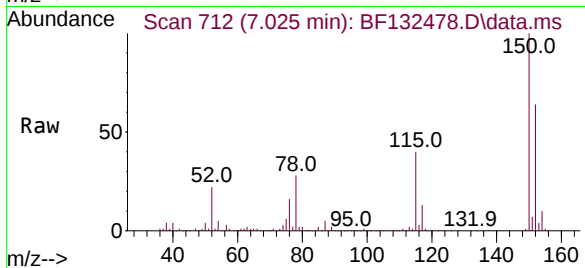
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

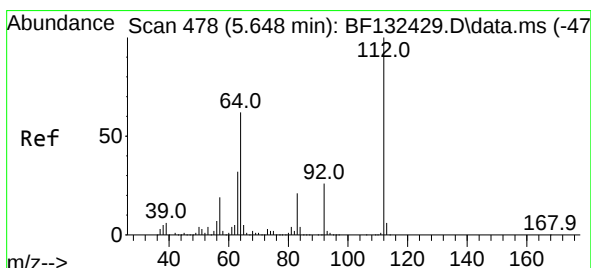
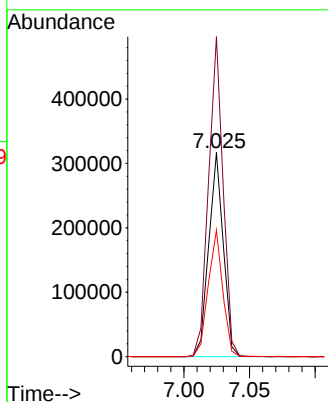
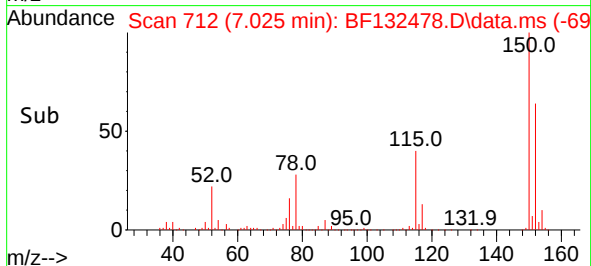
Instrument :
BNA_F
ClientSampleId :
COMP-4RE



Tgt Ion:152 Resp: 244953
Ion Ratio Lower Upper
152 100
150 156.8 123.8 185.8
115 62.0 50.4 75.6

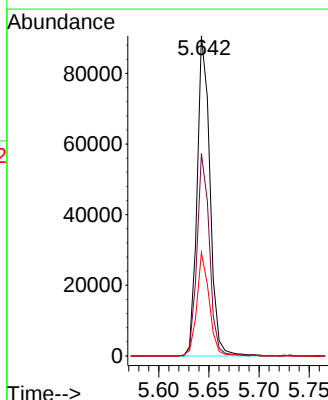
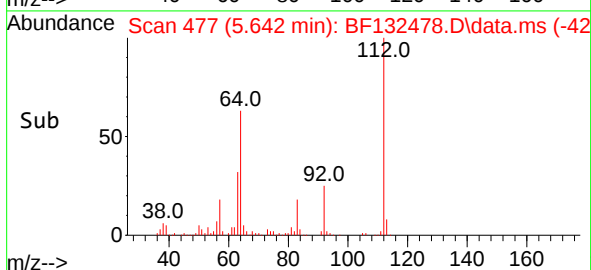
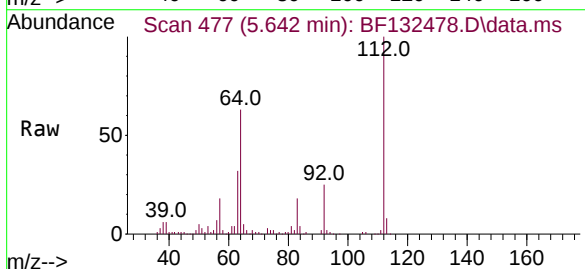
Manual Integrations
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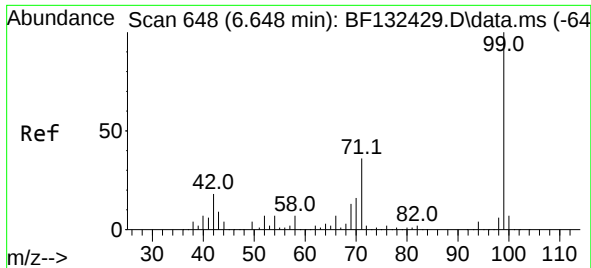
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#5
2-Fluorophenol
Concen: 5.265 ng
RT: 5.642 min Scan# 477
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

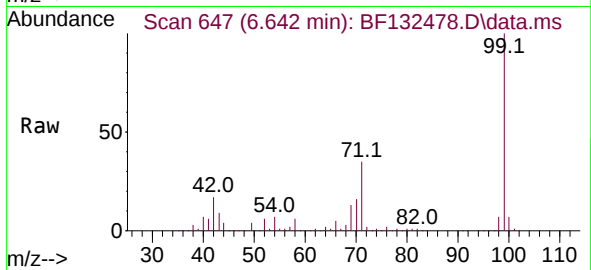
Tgt Ion:112 Resp: 80479
Ion Ratio Lower Upper
112 100
64 63.2 49.7 74.5
63 32.2 25.8 38.8





#7
Phenol-d6
Concen: 52.811 ng
RT: 6.642 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

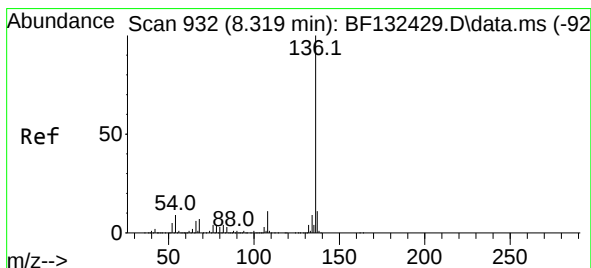
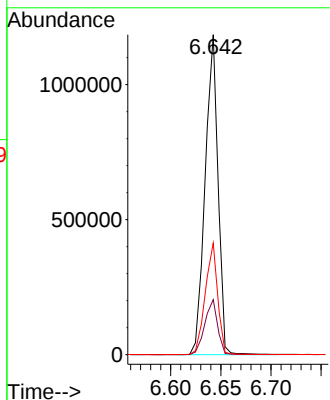
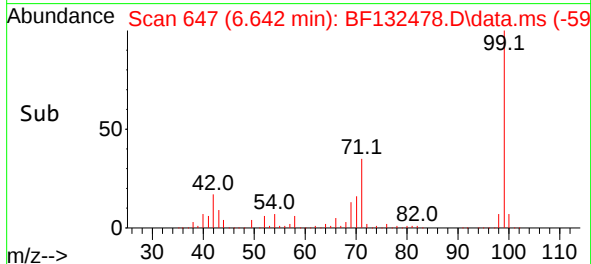
Instrument :
BNA_F
ClientSampleId :
COMP-4RE



Tgt Ion: 99 Resp: 105417
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 34.9 28.7 43.1

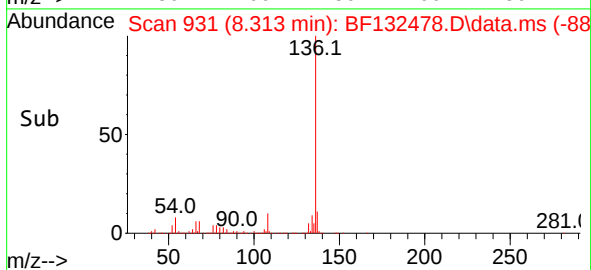
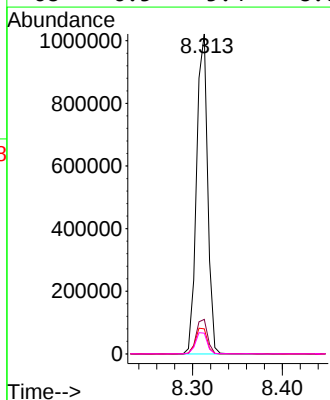
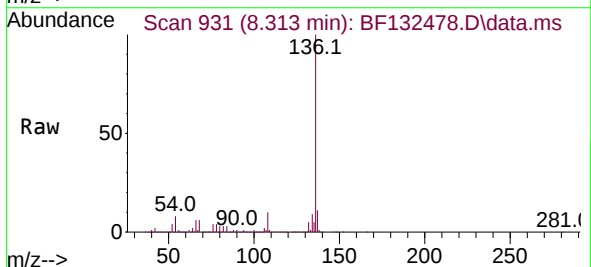
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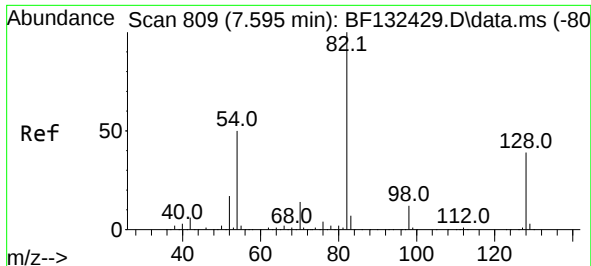
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion:136 Resp: 876614
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.9 6.9 10.3
68 6.5 5.4 8.0





#23

Nitrobenzene-d5

Concen: 52.728 ng

RT: 7.589 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Instrument :

BNA_F

ClientSampleId :

COMP-4RE

Tgt Ion: 82 Resp: 961969

Ion Ratio Lower Upper

82 100

128 41.7 30.8 46.2

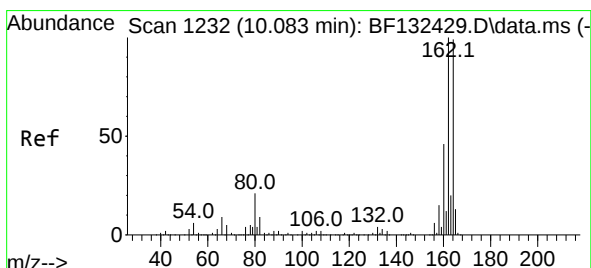
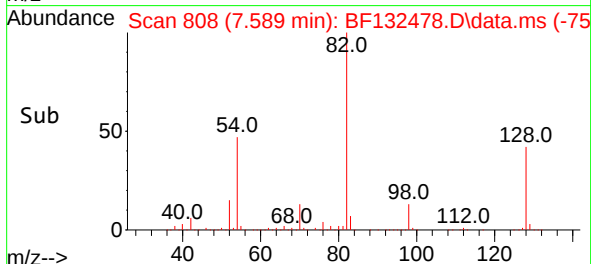
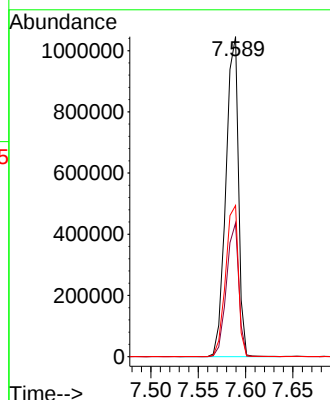
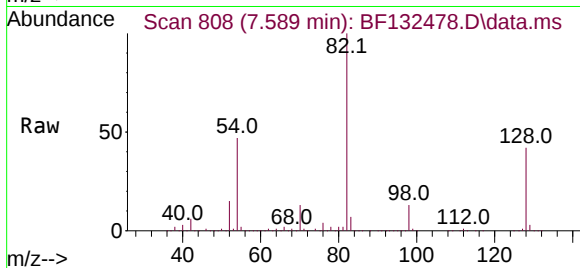
54 47.2 40.2 60.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.072 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

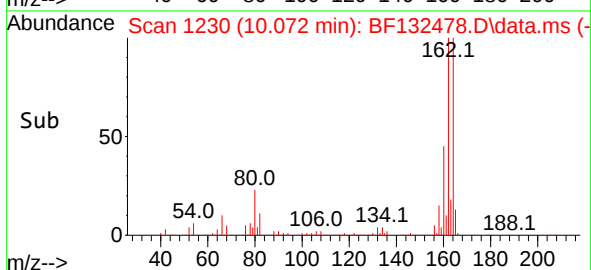
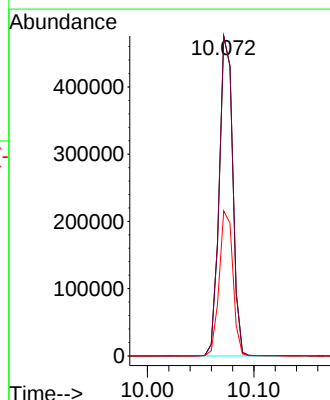
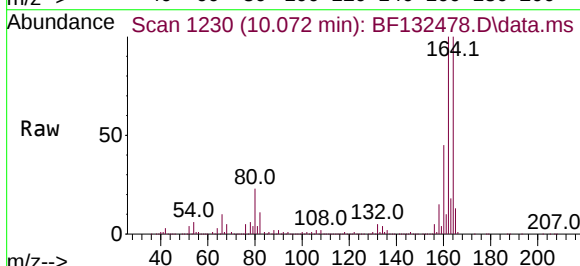
Tgt Ion:164 Resp: 419964

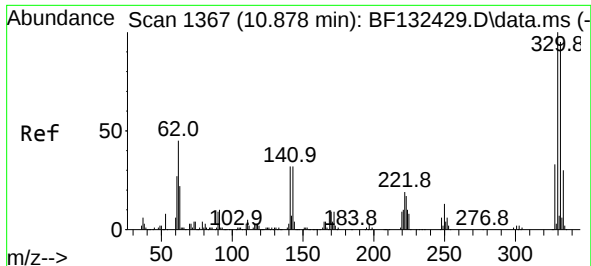
Ion Ratio Lower Upper

164 100

162 100.2 80.8 121.2

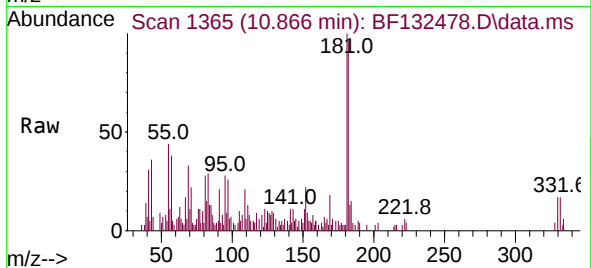
160 45.5 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 0.217 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

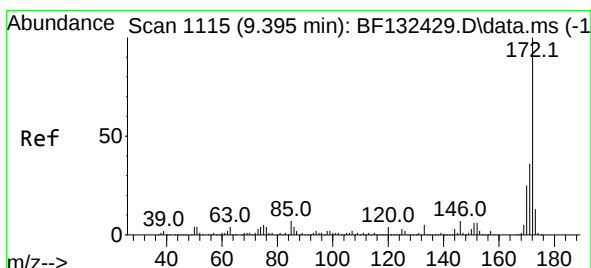
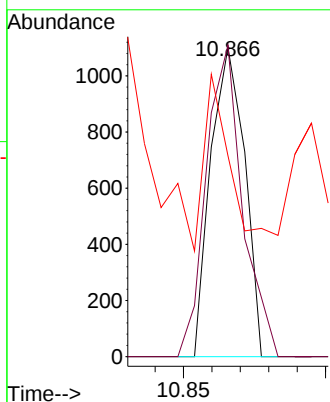
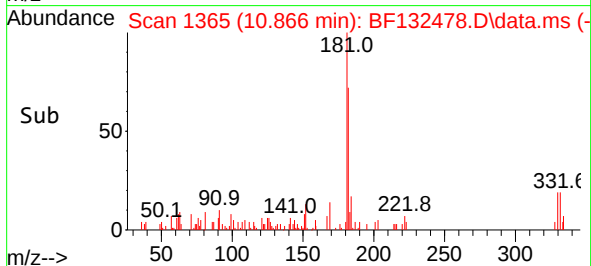
Instrument :
BNA_F
ClientSampleId :
COMP-4RE



Tgt Ion: 330 Resp: 910
Ion Ratio Lower Upper
330 100
332 108.2 76.3 114.5
141 48.7 30.3 45.5

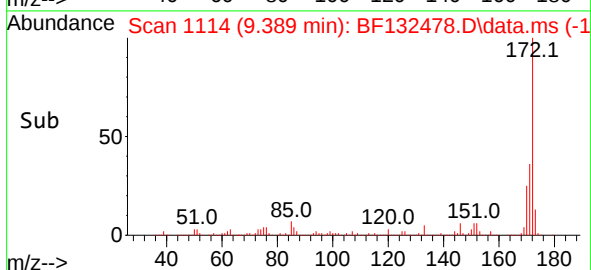
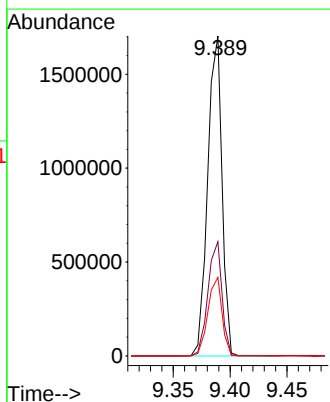
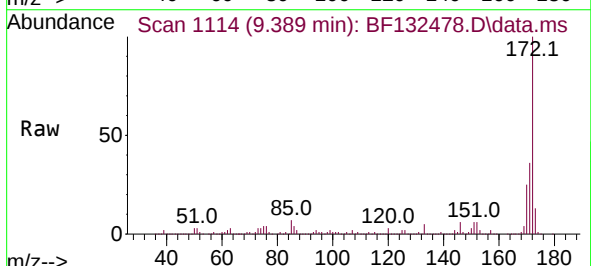
Manual Integrations
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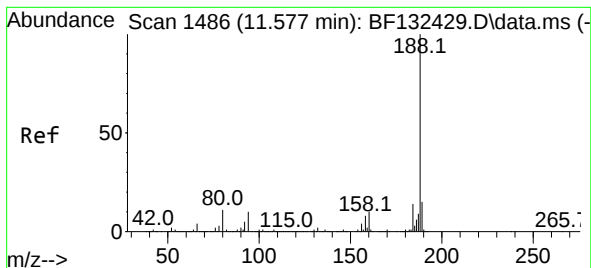
Reviewed By : Christian Giraldo 02/21/2023
Supervised By : Jagrut Upadhyay 02/21/2023



#45
2-Fluorobiphenyl
Concen: 55.118 ng
RT: 9.389 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion: 172 Resp: 1498907
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 24.5 19.9 29.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.571 min Scan# 1485

Delta R.T. -0.000 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Instrument :

BNA_F

ClientSampleId :

COMP-4RE

Tgt Ion:188 Resp: 63921

Ion Ratio Lower Upper

188 100

94 9.4 8.0 12.0

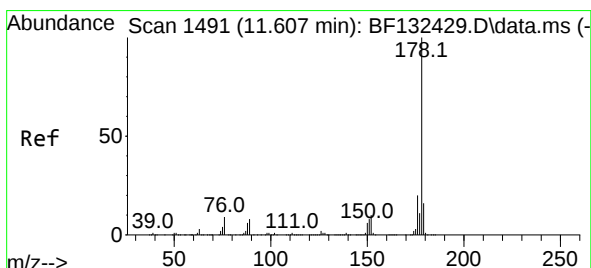
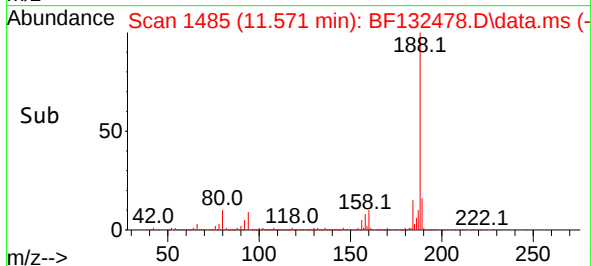
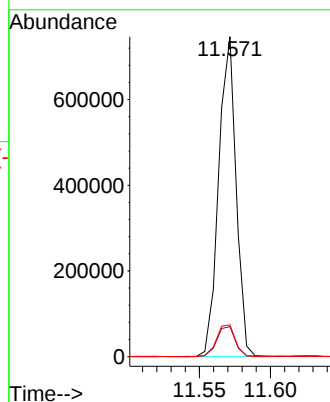
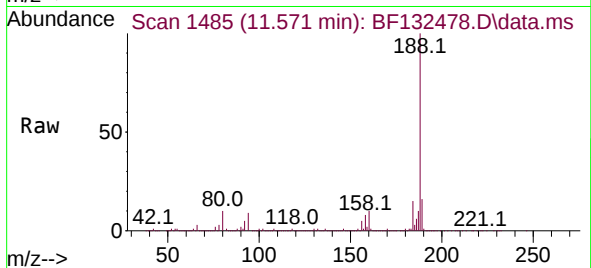
80 9.9 8.6 12.8

Manual Integrations

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Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#71

Phenanthrene

Concen: 7.481 ng

RT: 11.595 min Scan# 1489

Delta R.T. -0.000 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

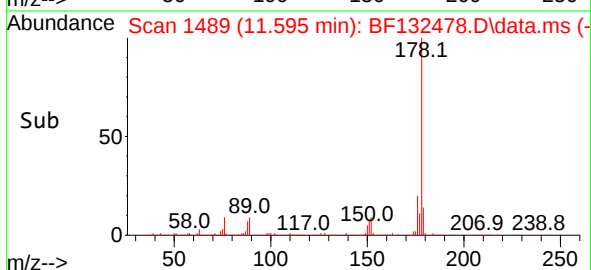
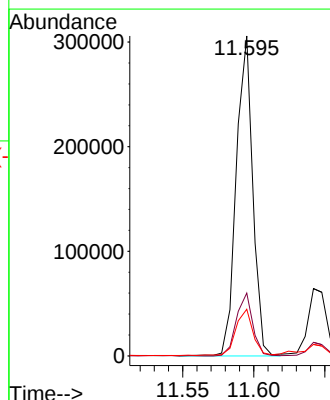
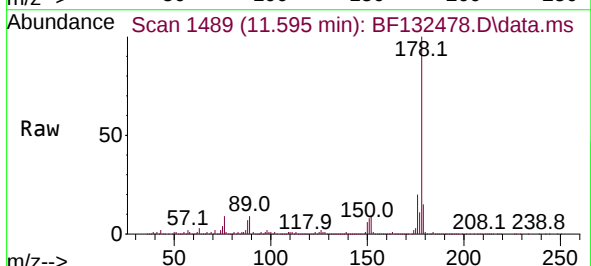
Tgt Ion:178 Resp: 246278

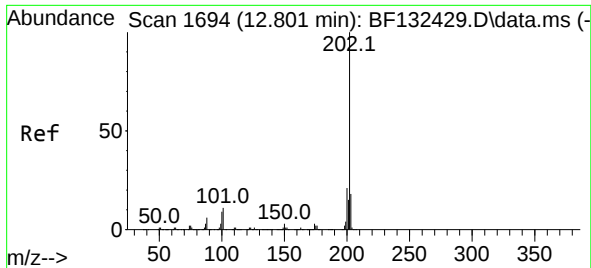
Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.2

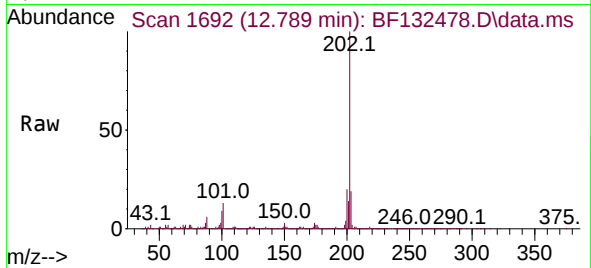
179 14.6 12.6 18.8





#75
Fluoranthene
Concen: 8.818 ng
RT: 12.789 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

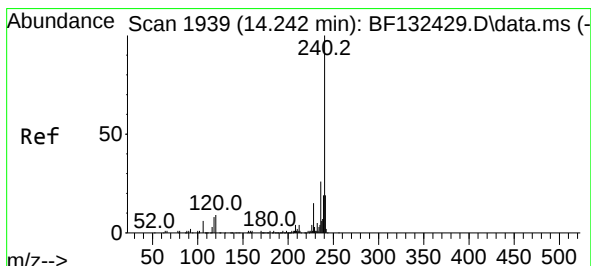
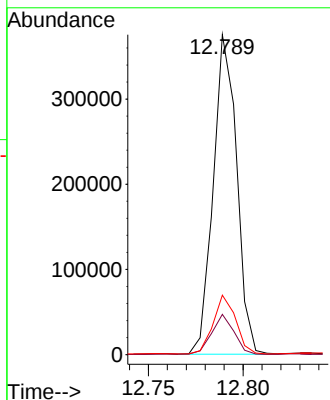
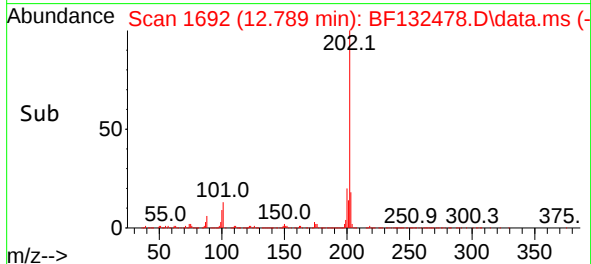
Instrument :
BNA_F
ClientSampleId :
COMP-4RE



Tgt Ion:202 Resp: 323739
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.3
203 18.6 0.0 37.8

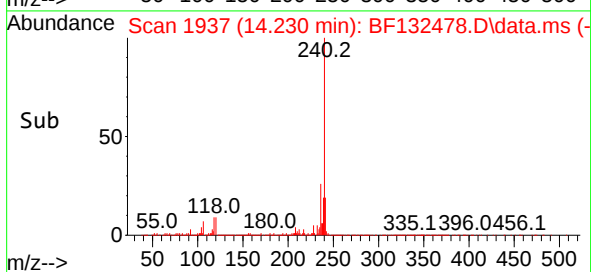
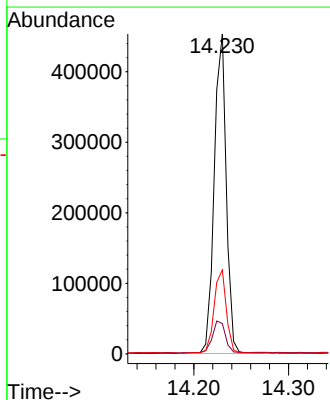
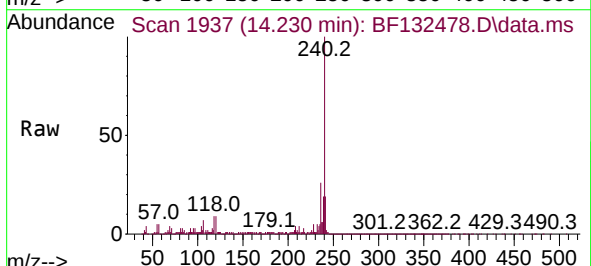
Manual Integrations
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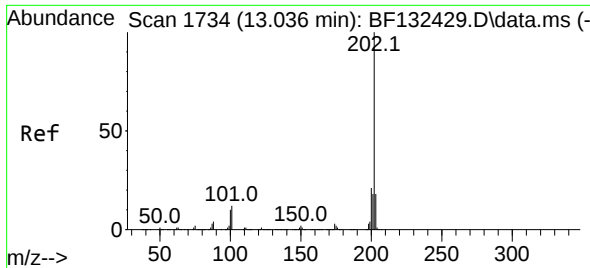
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.230 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion:240 Resp: 399723
Ion Ratio Lower Upper
240 100
120 9.5 7.5 11.3
236 26.2 21.0 31.6





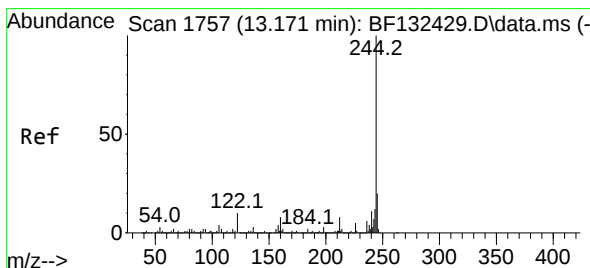
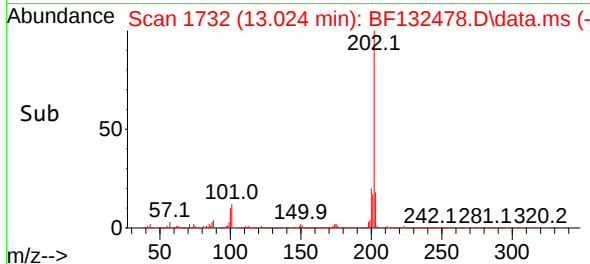
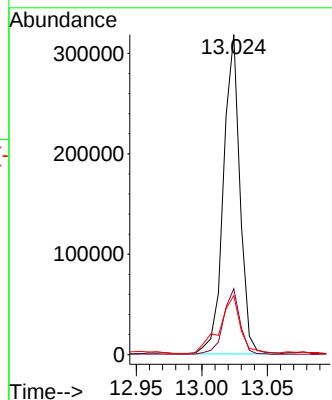
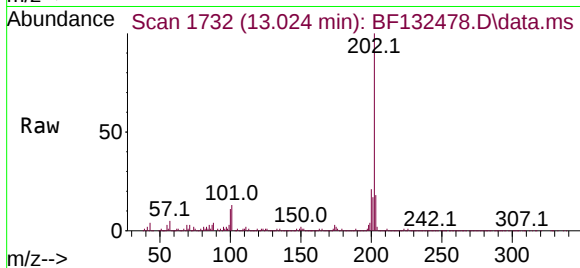
#78
Pyrene
Concen: 8.219 ng
RT: 13.024 min Scan# 1732
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Instrument :
BNA_F
ClientSampleId :
COMP-4RE

Tgt Ion:202 Resp: 279100
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 18.4 14.3 21.5

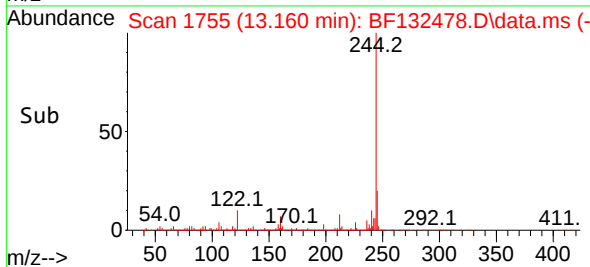
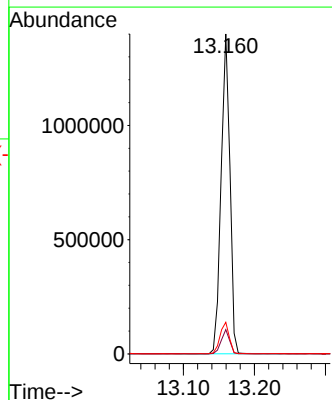
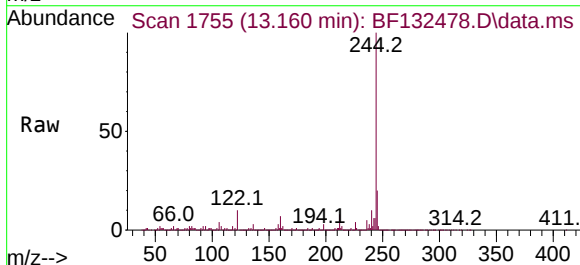
Manual Integrations
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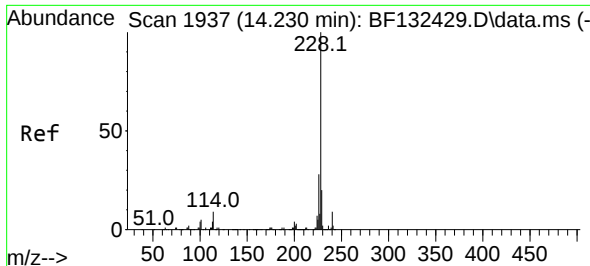
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#79
Terphenyl-d14
Concen: 55.156 ng
RT: 13.160 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

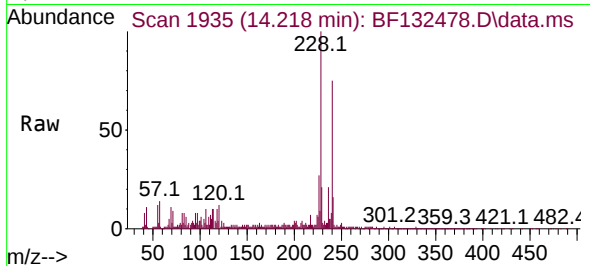
Tgt Ion:244 Resp: 1210585
Ion Ratio Lower Upper
244 100
212 7.6 6.7 10.1
122 9.9 7.7 11.5





#81
Benzo(a)anthracene
Concen: 4.800 ng
RT: 14.218 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

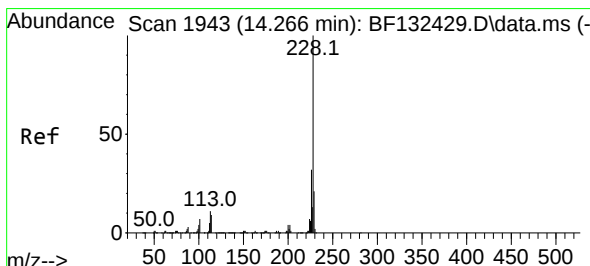
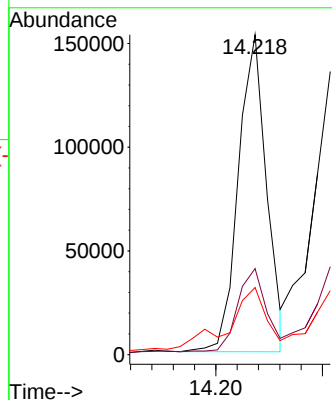
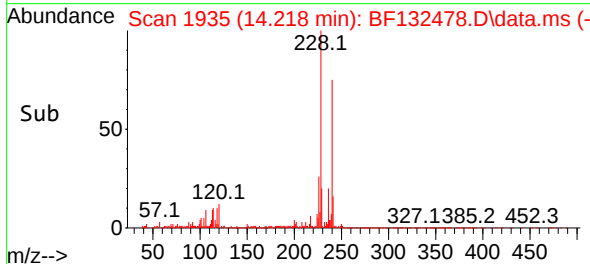
Instrument :
BNA_F
ClientSampleId :
COMP-4RE



Tgt Ion:228 Resp: 140513
Ion Ratio Lower Upper
228 100
226 26.9 22.6 34.0
229 21.0 16.2 24.4

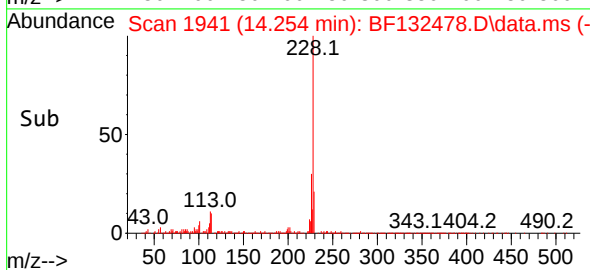
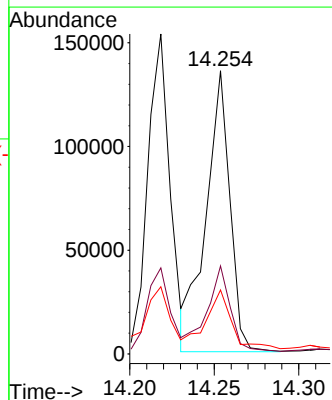
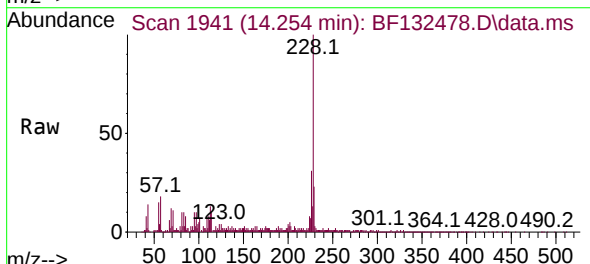
Manual Integrations
APPROVED

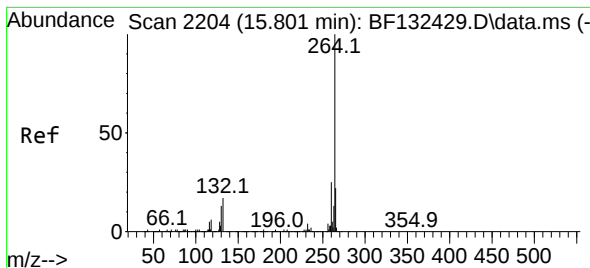
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#83
Chrysene
Concen: 4.780 ng m
RT: 14.254 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BF132478.D
Acq: 20 Feb 2023 14:12

Tgt Ion:228 Resp: 133718
Ion Ratio Lower Upper
228 100
226 31.0 25.4 38.2
229 22.6 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.795 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Instrument :

BNF

ClientSampleId :

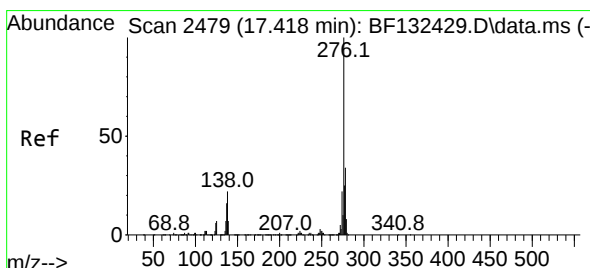
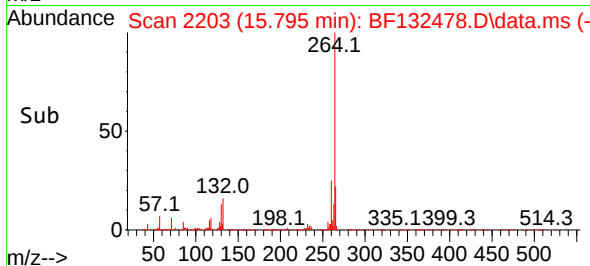
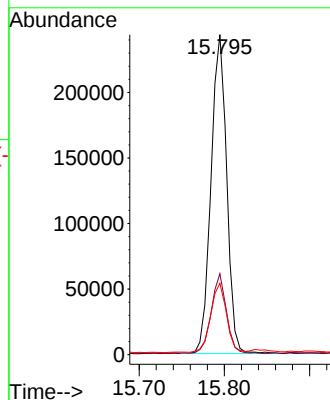
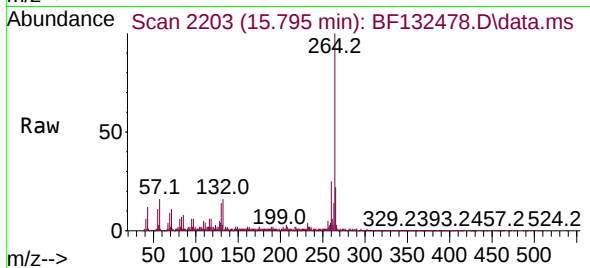
COMP-4RE

Tgt Ion:264 Resp: 311052
 Ion Ratio Lower Upper
 264 100
 260 25.3 20.0 30.0
 265 22.3 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.135 ng

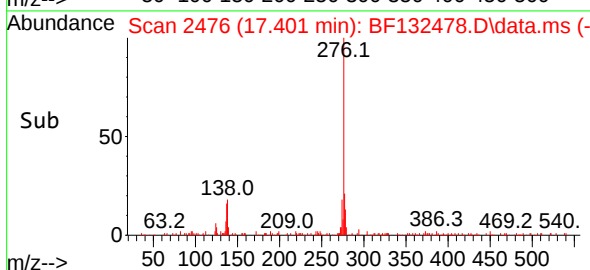
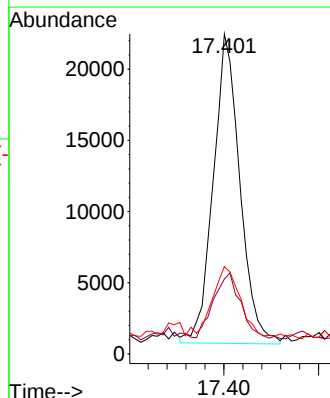
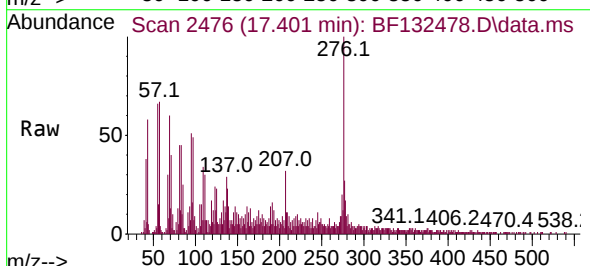
RT: 17.401 min Scan# 2476

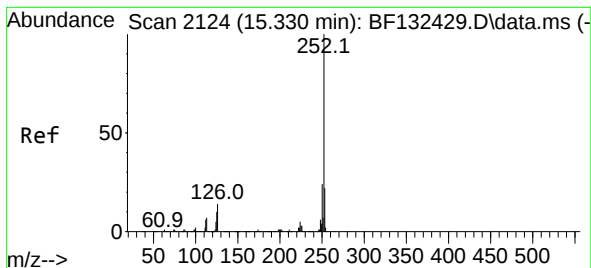
Delta R.T. -0.000 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Tgt Ion:276 Resp: 42450
 Ion Ratio Lower Upper
 276 100
 138 21.7 20.2 30.4
 277 22.9 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 6.105 ng m

RT: 15.324 min Scan# 2118

Delta R.T. 0.006 min

Lab File: BF132478.D

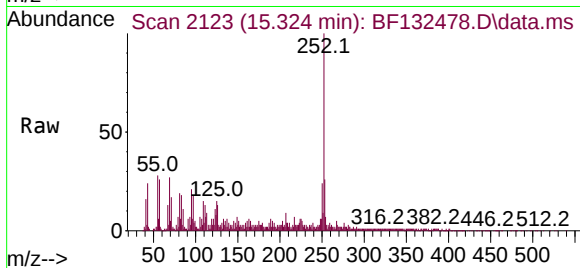
Acq: 20 Feb 2023 14:12

Instrument :

BNF

ClientSampleId :

COMP-4RE



Tgt Ion:252 Resp: 124884

Ion Ratio Lower Upper

252 100

253 25.6 17.8 26.8

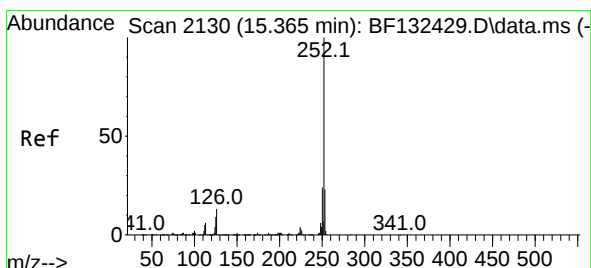
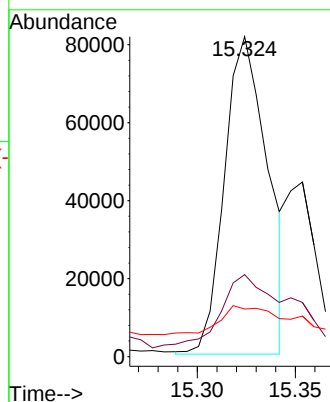
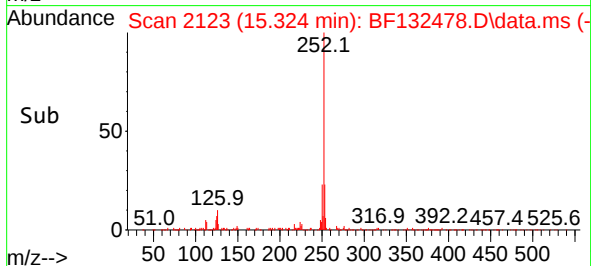
125 14.9 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#89

Benzo(k)fluoranthene

Concen: 2.249 ng m

RT: 15.354 min Scan# 2128

Delta R.T. -0.000 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

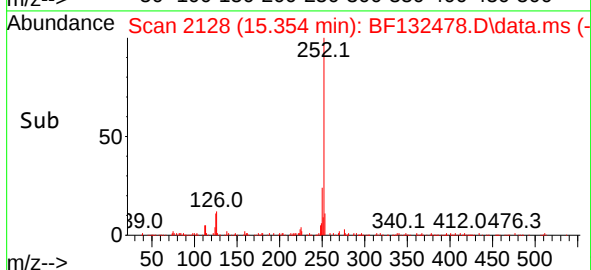
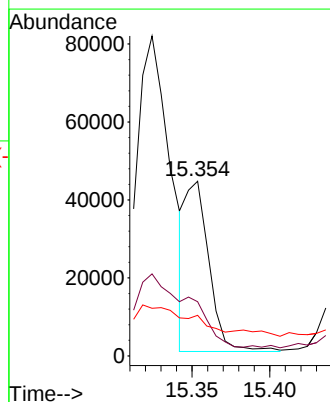
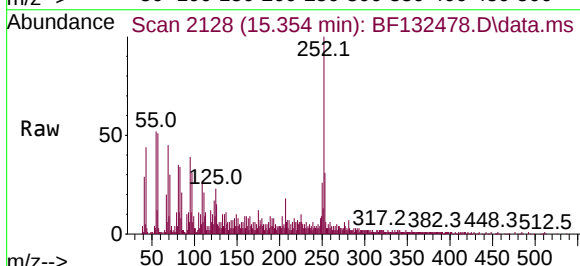
Tgt Ion:252 Resp: 46030

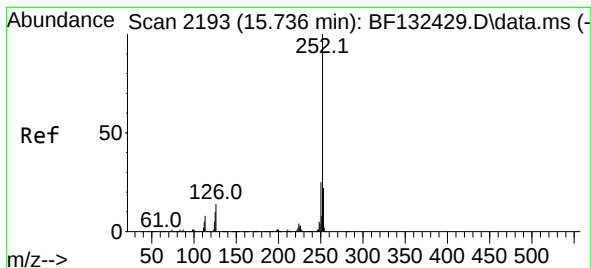
Ion Ratio Lower Upper

252 100

253 31.0 18.2 27.2#

125 23.2 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 4.274 ng

RT: 15.724 min Scan# 2193

Delta R.T. 0.006 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Instrument :

BNA_F

ClientSampleId :

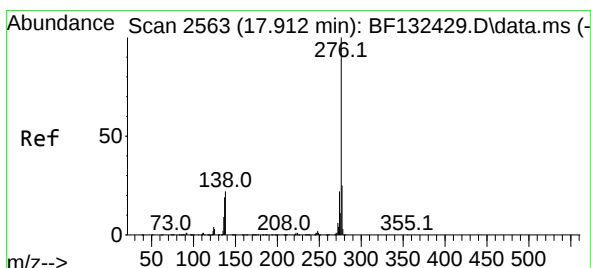
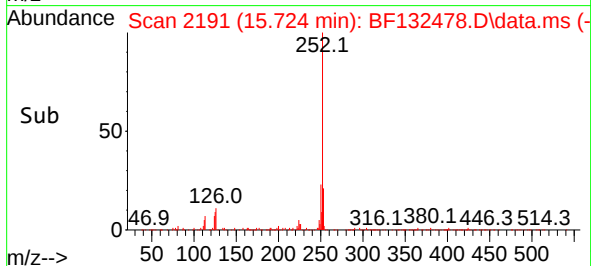
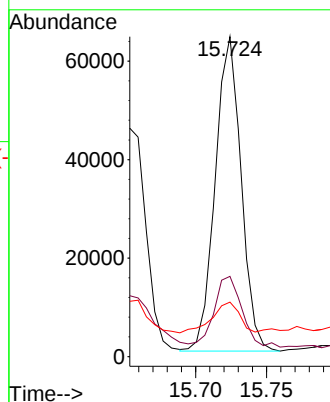
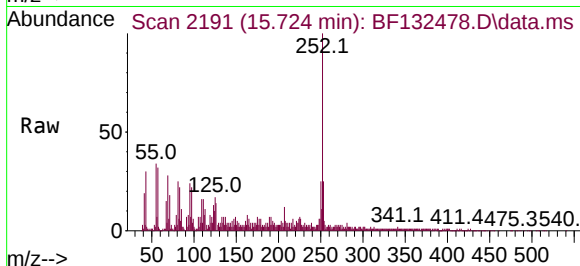
COMP-4RE

Tgt Ion:	252	Resp:	8124
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.6	26.4
125	17.0	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#92

Benzo(g,h,i)perylene

Concen: 2.341 ng

RT: 17.895 min Scan# 2560

Delta R.T. -0.000 min

Lab File: BF132478.D

Acq: 20 Feb 2023 14:12

Tgt Ion:	276	Resp:	39377
Ion Ratio	Lower	Upper	
276	100		
277	26.5	19.6	29.4
138	28.6	17.7	26.5

