

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132476.D
 Acq On : 20 Feb 2023 13:07
 Operator : CG\JU
 Sample : 01586-03RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2RE

Manual Integrations
 APPROVED

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

Quant Time: Feb 20 14:48:49 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	241922	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	890979	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	450802	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	715575	20.000	ng	0.00
76) Chrysene-d12	14.224	240	404426	20.000	ng	#-0.01
86) Perylene-d12	15.789	264	347482	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	43901	2.908	ng	-0.02
7) Phenol-d6	6.637	99	699682	35.491	ng	-0.02
23) Nitrobenzene-d5	7.584	82	838392	45.213	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	583	0.130	ng	-0.01
45) 2-Fluorobiphenyl	9.383	172	1353317	46.360	ng	-0.01
79) Terphenyl-d14	13.160	244	1049446	47.258	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.595	178	258757	7.021	ng	98
75) Fluoranthene	12.789	202	377601	9.187	ng	98
78) Pyrene	13.024	202	324634	9.449	ng	100
81) Benzo(a)anthracene	14.213	228	172889	5.837	ng	98
83) Chrysene	14.254	228	155705	5.502	ng	97
87) Indeno(1,2,3-cd)pyrene	17.401	276	47267	2.128	ng	94
88) Benzo(b)fluoranthene	15.318	252	173100m	7.575	ng	
89) Benzo(k)fluoranthene	15.348	252	49994m	2.186	ng	
90) Benzo(a)pyrene	15.724	252	104404	4.916	ng	# 95
92) Benzo(g,h,i)perylene	17.889	276	44585	2.373	ng	# 91

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

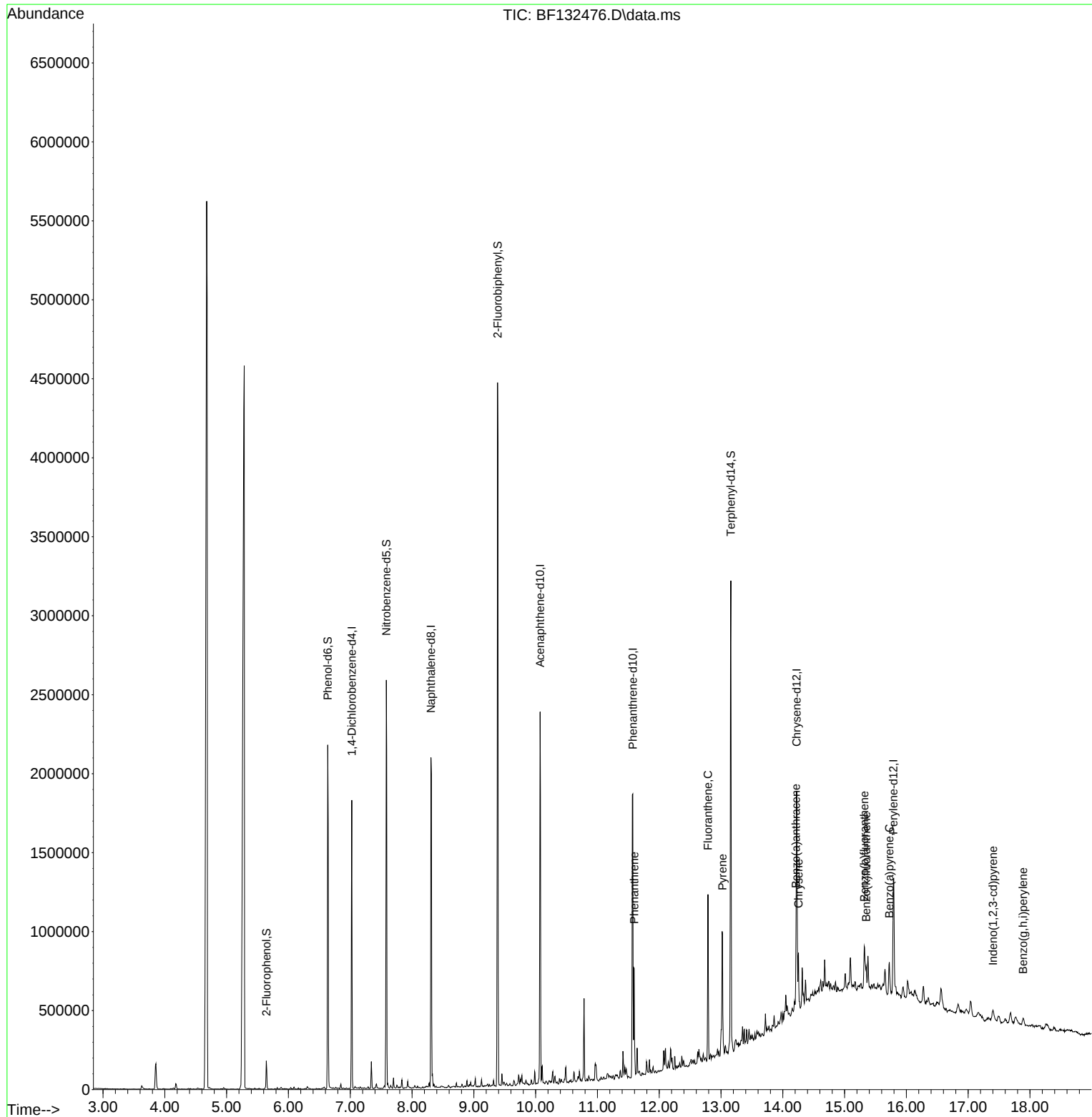
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
Data File : BF132476.D
Acq On : 20 Feb 2023 13:07
Operator : CG\JU
Sample : 01586-03RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

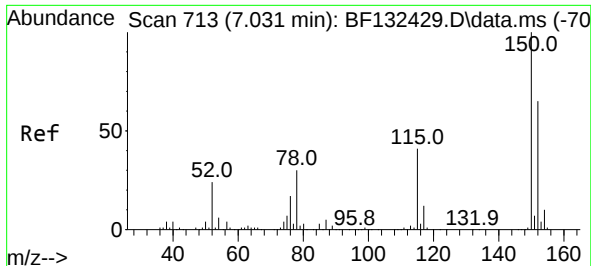
Instrument :
BNA_F
ClientSampleId :
COMP-2RE

Quant Time: Feb 20 14:48:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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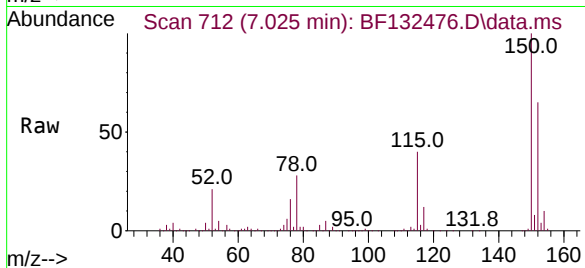
Reviewed By : Christian Giraldo 02/21/2023
Supervised By : Jagrut Upadhyay 02/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

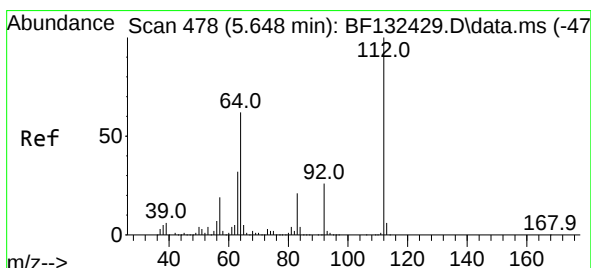
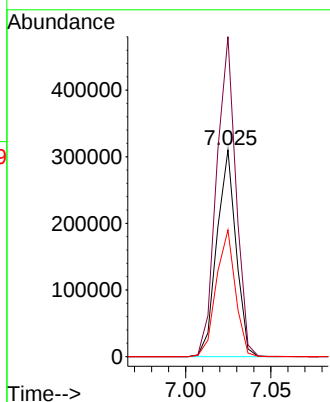
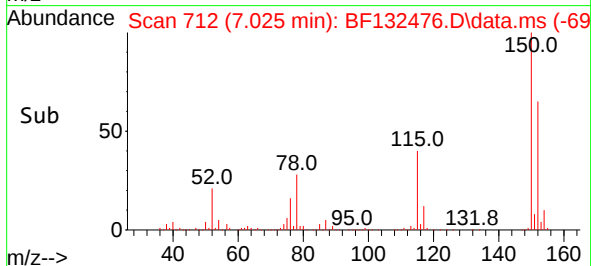
Instrument :
BNA_F
ClientSampleId :
COMP-2RE



Tgt Ion:152 Resp: 241922
Ion Ratio Lower Upper
152 100
150 154.8 123.8 185.8
115 61.2 50.4 75.6

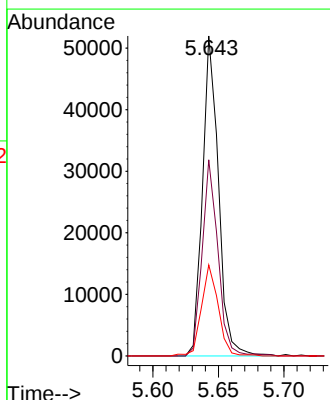
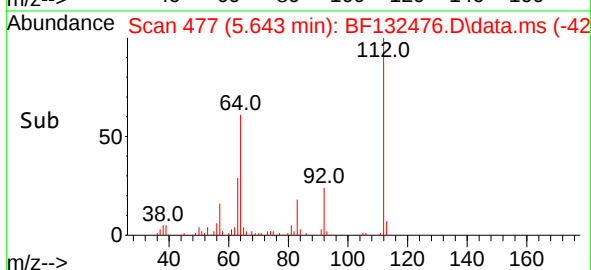
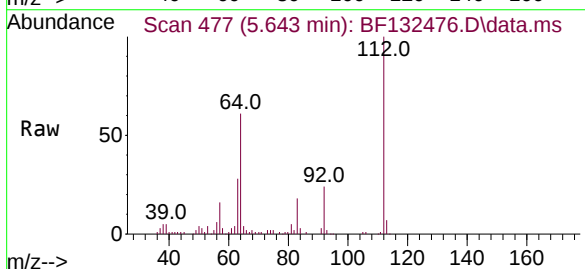
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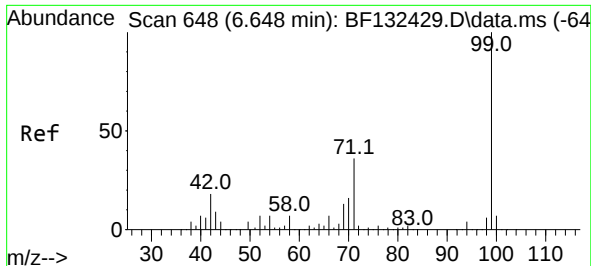
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#5
2-Fluorophenol
Concen: 2.908 ng
RT: 5.643 min Scan# 477
Delta R.T. -0.018 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

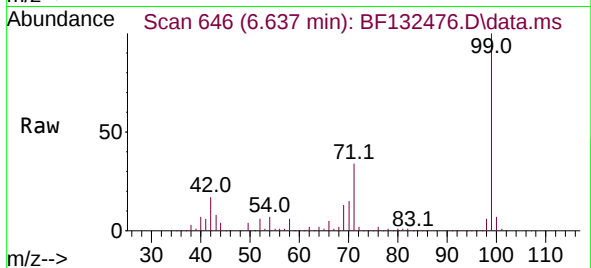
Tgt Ion:112 Resp: 43901
Ion Ratio Lower Upper
112 100
64 61.3 49.7 74.5
63 28.4 25.8 38.8





#7
Phenol-d6
Concen: 35.491 ng
RT: 6.637 min Scan# 648
Delta R.T. -0.018 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

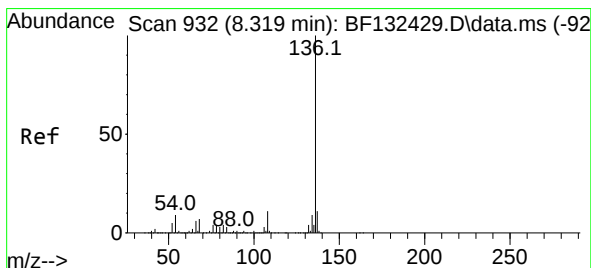
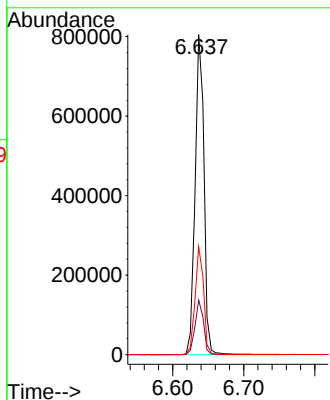
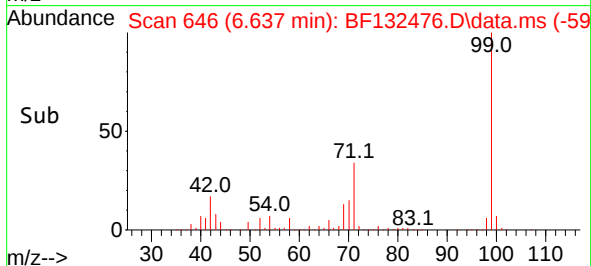
Instrument :
BNA_F
ClientSampleId :
COMP-2RE



Tgt Ion: 99 Resp: 699682
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 33.7 28.7 43.1

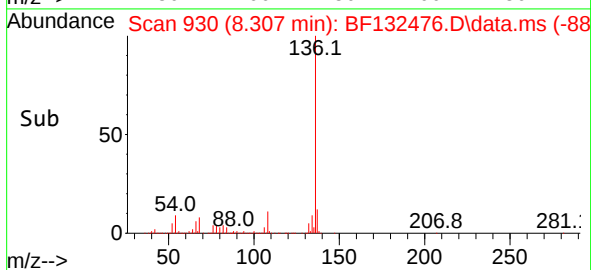
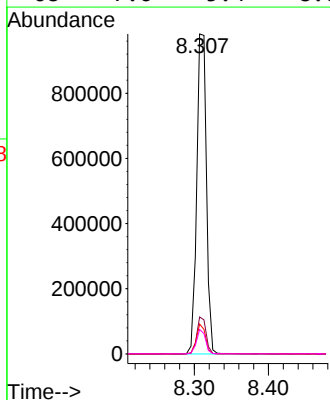
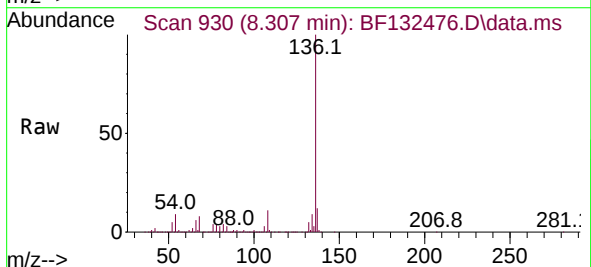
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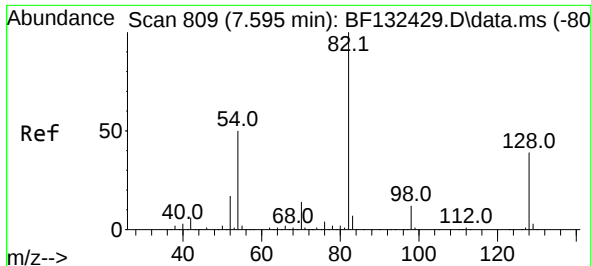
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 930
Delta R.T. -0.006 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

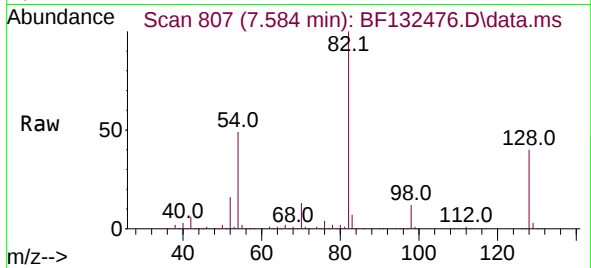
Tgt Ion:136 Resp: 890979
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 9.3 6.9 10.3
68 7.6 5.4 8.0





#23
Nitrobenzene-d5
Concen: 45.213 ng
RT: 7.584 min Scan# 809
Delta R.T. -0.012 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

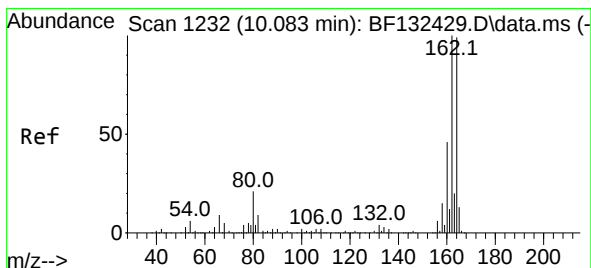
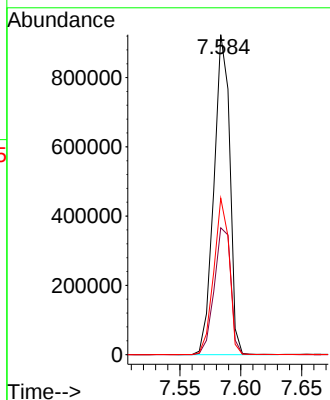
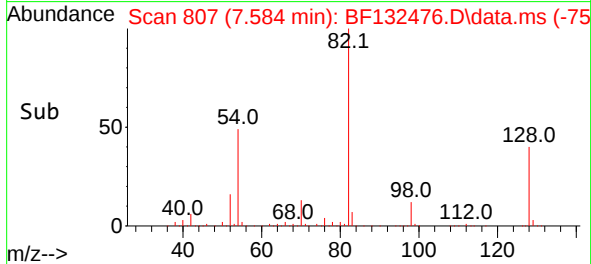
Instrument :
BNA_F
Client SampleId :
COMP-2RE



Tgt Ion: 82 Resp: 838392
Ion Ratio Lower Upper
82 100
128 39.6 30.8 46.2
54 48.9 40.2 60.4

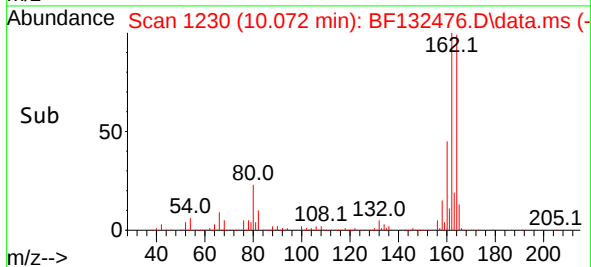
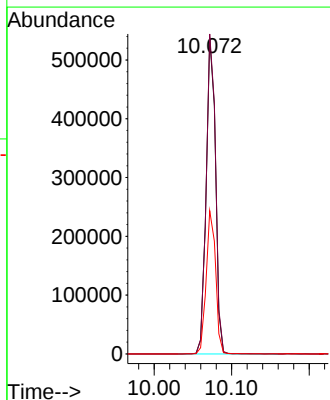
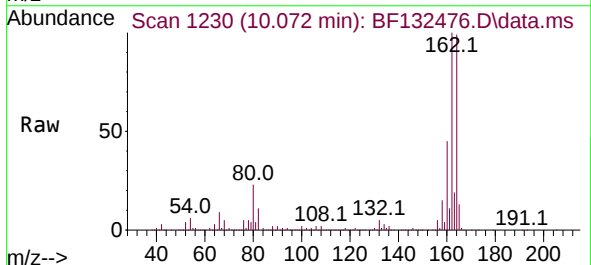
Manual Integrations
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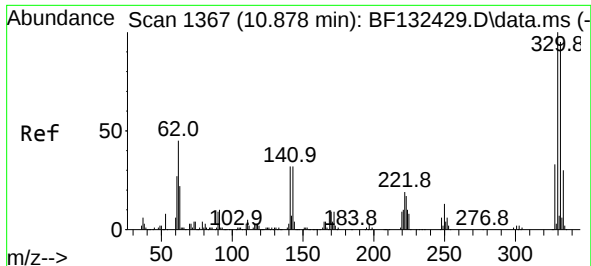
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

Tgt Ion:164 Resp: 450802
Ion Ratio Lower Upper
164 100
162 101.3 80.8 121.2
160 45.3 37.2 55.8





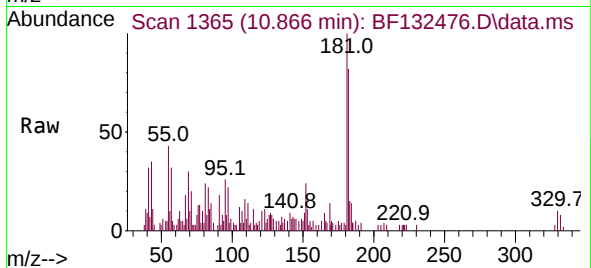
#42
2,4,6-Tribromophenol
Concen: 0.130 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.012 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

Instrument :

BNA_F

ClientSampleId :

COMP-2RE

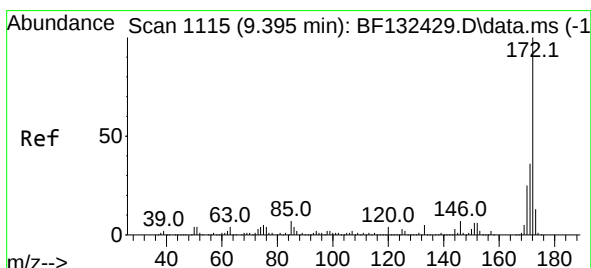
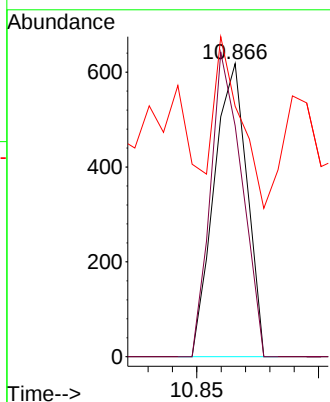
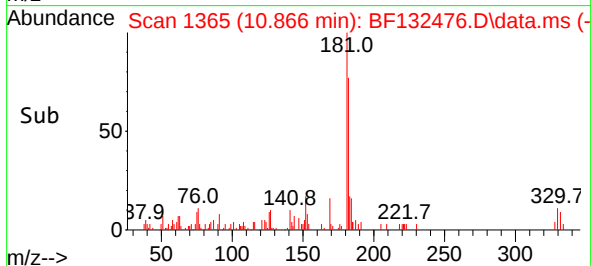


Tgt Ion: 330 Resp: 583
Ion Ratio Lower Upper
330 100
332 98.3 76.3 114.5
141 43.7 30.3 45.5

Manual Integrations

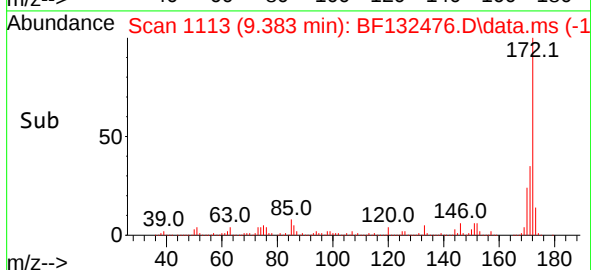
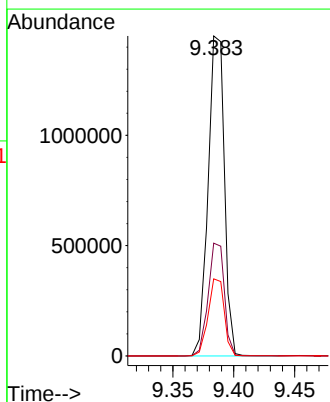
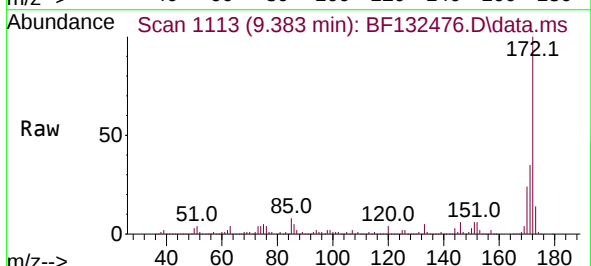
APPROVED

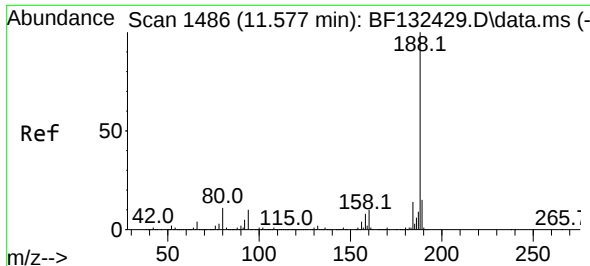
Reviewed By : Christian Giraldo 02/21/2023
Supervised By : Jagrut Upadhyay 02/21/2023



#45
2-Fluorobiphenyl
Concen: 46.360 ng
RT: 9.383 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

Tgt Ion: 172 Resp: 1353317
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 24.1 19.9 29.9





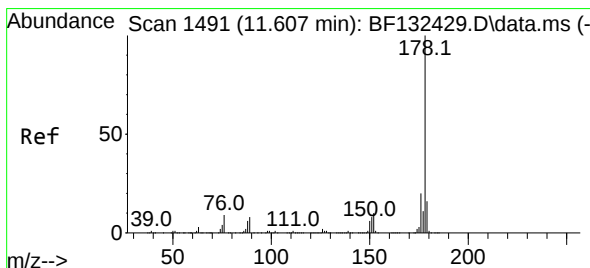
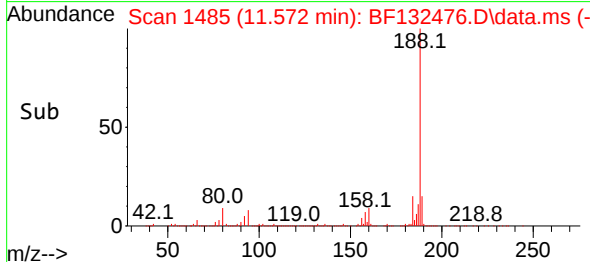
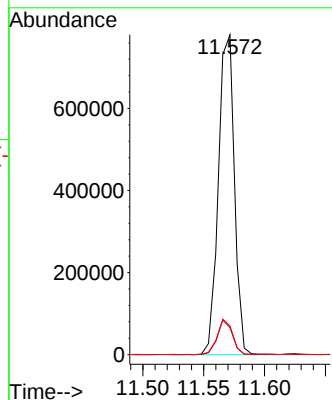
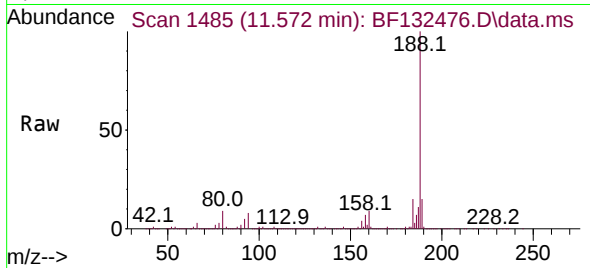
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.572 min Scan# 1486
Delta R.T. -0.006 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

Instrument :
BNA_F
ClientSampleId :
COMP-2RE

Tgt Ion:188 Resp: 715575
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 9.0 8.6 12.8

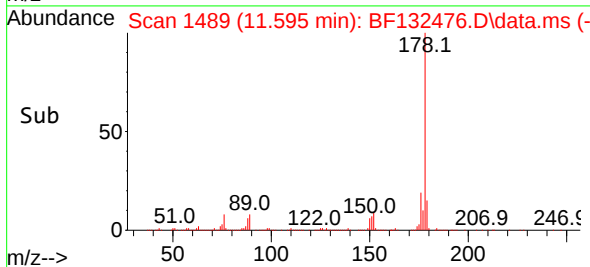
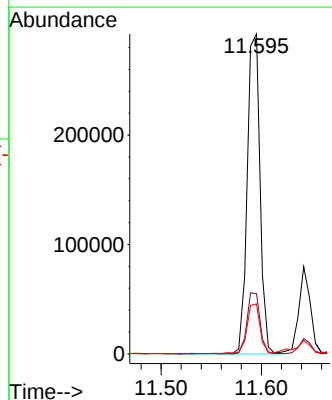
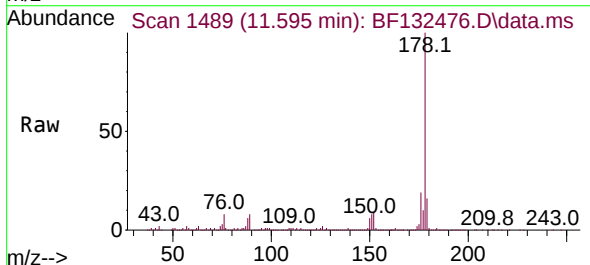
Manual Integrations
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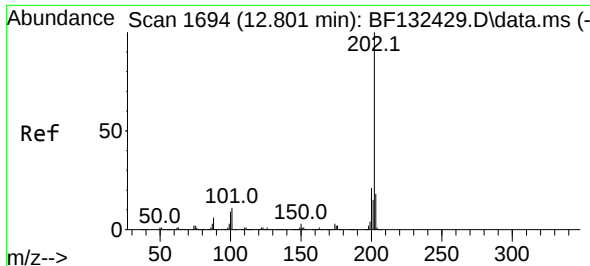
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#71
Phenanthrene
Concen: 7.021 ng
RT: 11.595 min Scan# 1489
Delta R.T. -0.006 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

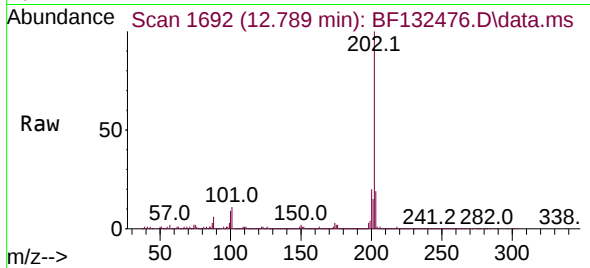
Tgt Ion:178 Resp: 258757
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 15.6 12.6 18.8





#75
Fluoranthene
Concen: 9.187 ng
RT: 12.789 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

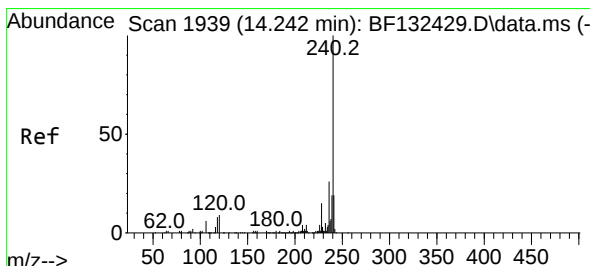
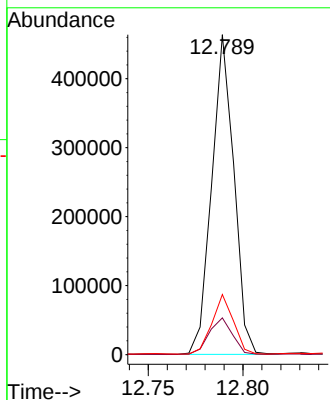
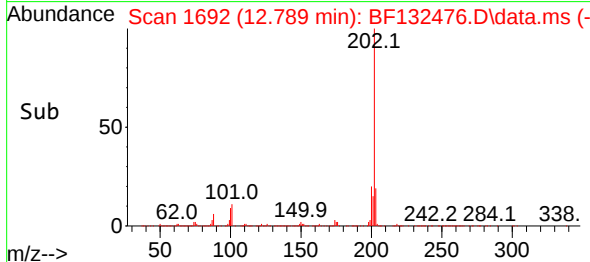
Instrument :
BNA_F
ClientSampleId :
COMP-2RE



Tgt Ion:202 Resp: 377601
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.3
203 18.8 0.0 37.8

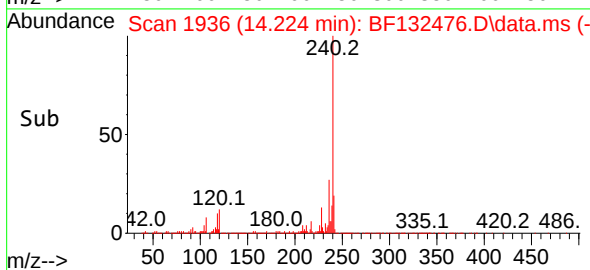
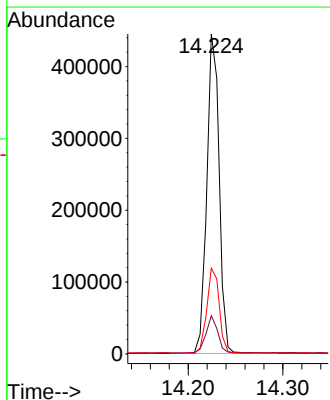
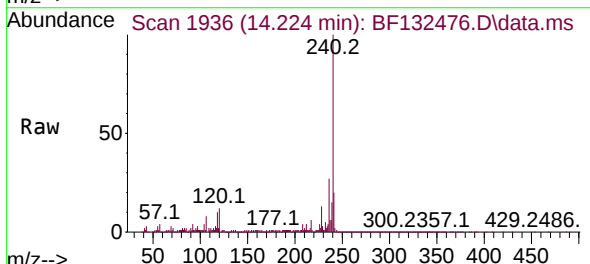
Manual Integrations
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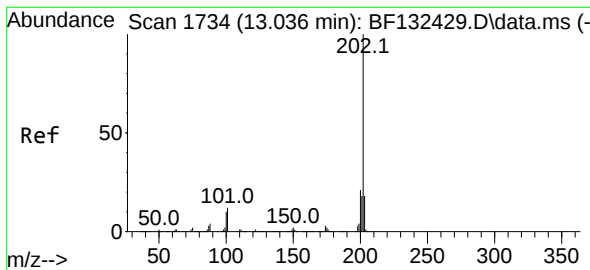
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.224 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

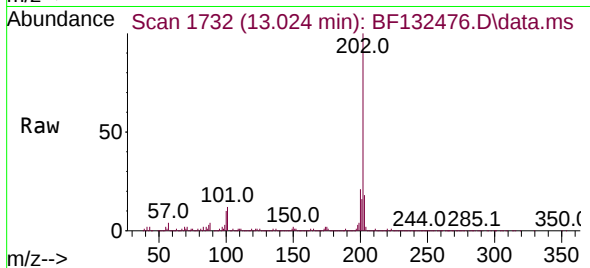
Tgt Ion:240 Resp: 404426
Ion Ratio Lower Upper
240 100
120 11.9 7.5 11.3#
236 26.8 21.0 31.6





#78
Pyrene
Concen: 9.449 ng
RT: 13.024 min Scan# 1734
Delta R.T. -0.006 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

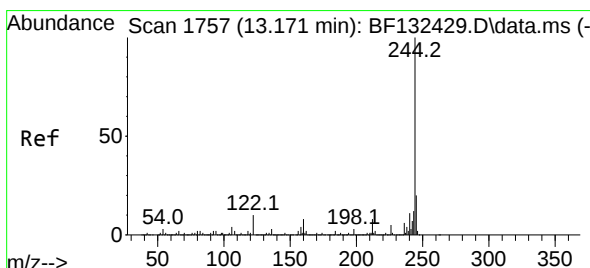
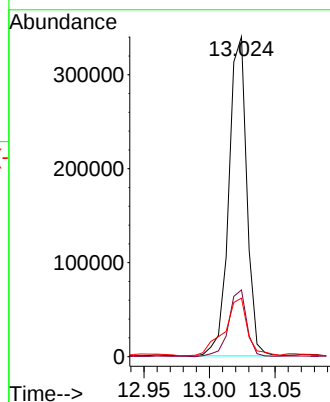
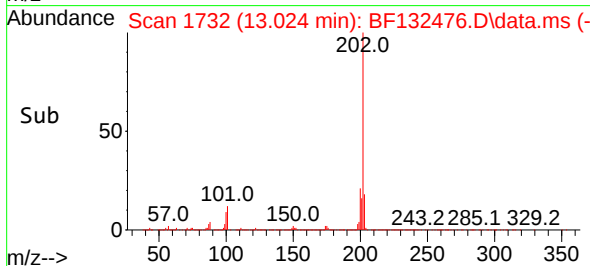
Instrument :
BNA_F
ClientSampleId :
COMP-2RE



Tgt Ion:202 Resp: 324634
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 18.3 14.3 21.5

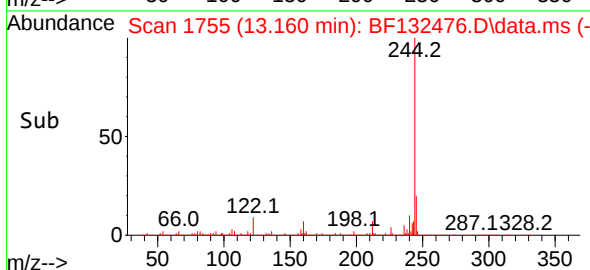
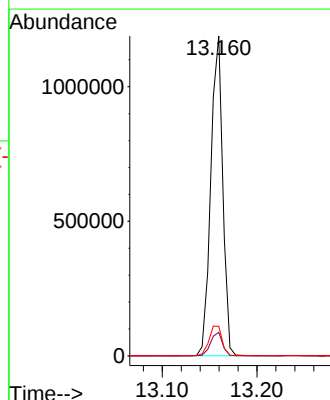
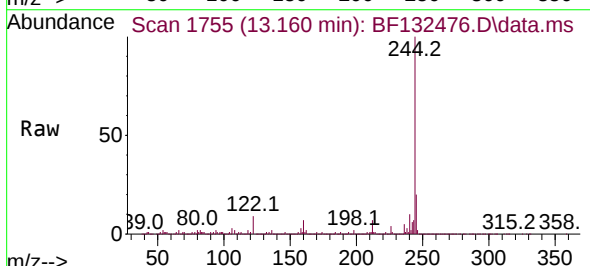
Manual Integrations
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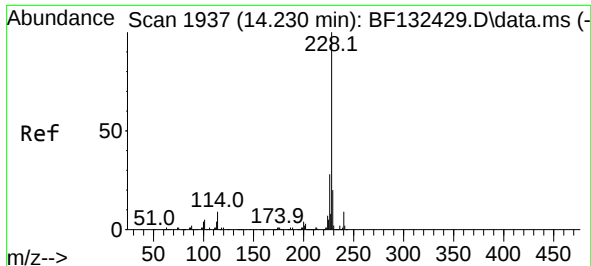
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#79
Terphenyl-d14
Concen: 47.258 ng
RT: 13.160 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

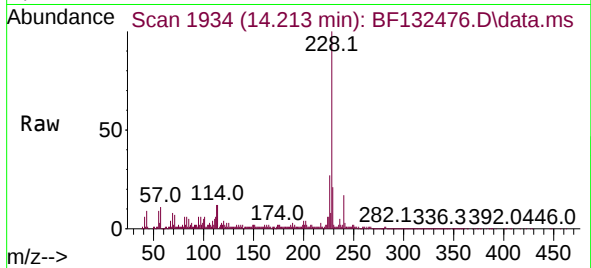
Tgt Ion:244 Resp: 1049446
Ion Ratio Lower Upper
244 100
212 7.4 6.7 10.1
122 9.2 7.7 11.5





#81
Benzo(a)anthracene
Concen: 5.837 ng
RT: 14.213 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

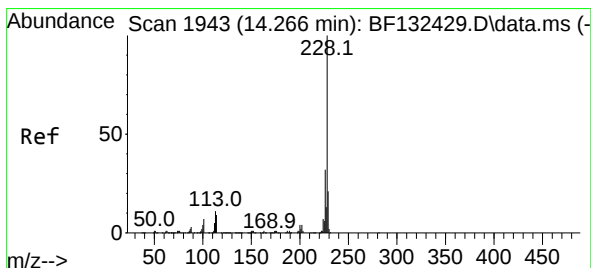
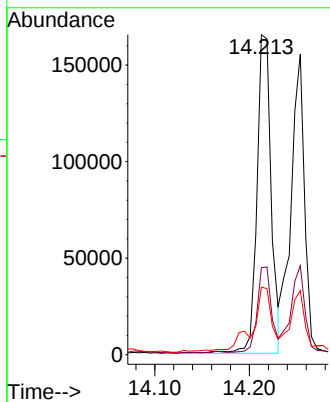
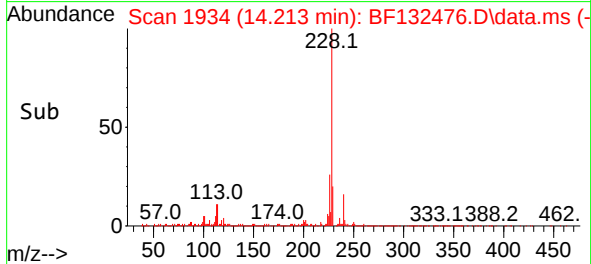
Instrument :
BNA_F
ClientSampleId :
COMP-2RE



Tgt Ion:228 Resp: 172889
Ion Ratio Lower Upper
228 100
226 27.2 22.6 34.0
229 21.1 16.2 24.4

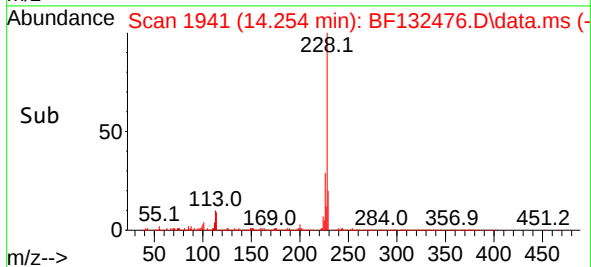
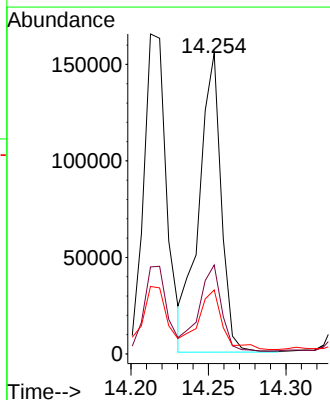
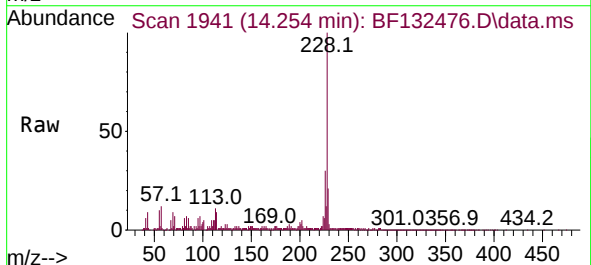
Manual Integrations
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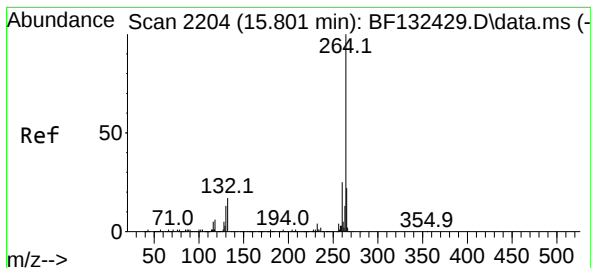
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#83
Chrysene
Concen: 5.502 ng
RT: 14.254 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

Tgt Ion:228 Resp: 155705
Ion Ratio Lower Upper
228 100
226 29.6 25.4 38.2
229 21.3 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.789 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132476.D

Acq: 20 Feb 2023 13:07

Instrument :

BNA_F

ClientSampleId :

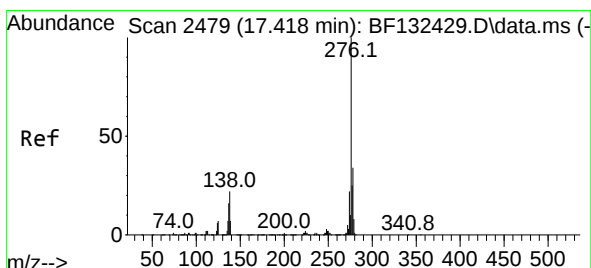
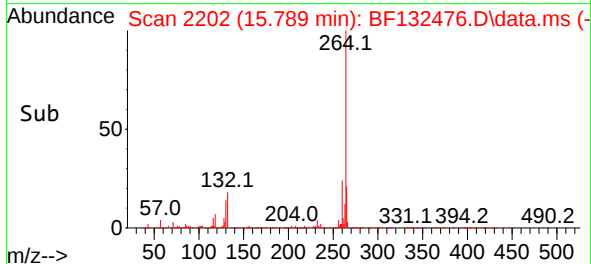
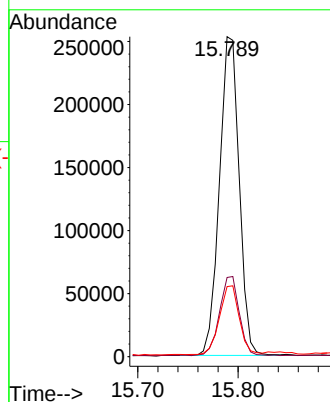
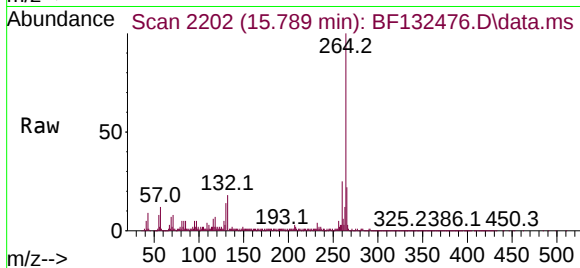
COMP-2RE

Tgt Ion:264	Resp:	347482
Ion Ratio	Lower	Upper
264	100	
260	24.7	20.0 30.0
265	21.9	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: 2.128 ng

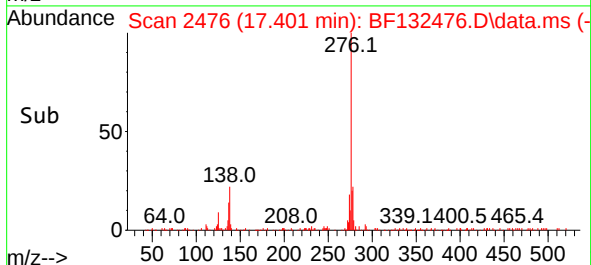
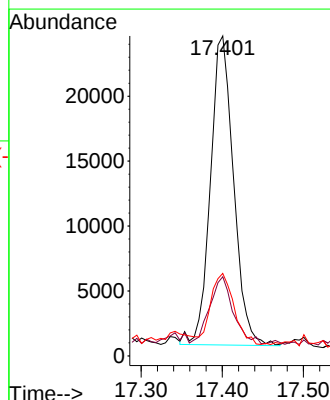
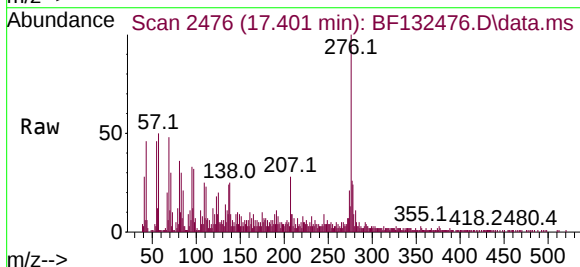
RT: 17.401 min Scan# 2476

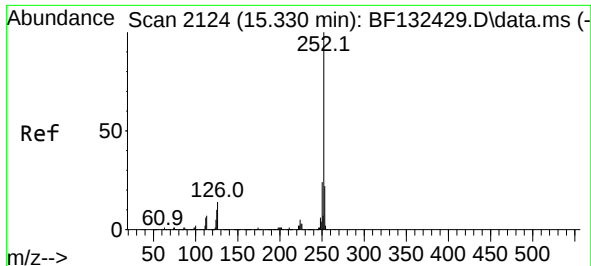
Delta R.T. -0.012 min

Lab File: BF132476.D

Acq: 20 Feb 2023 13:07

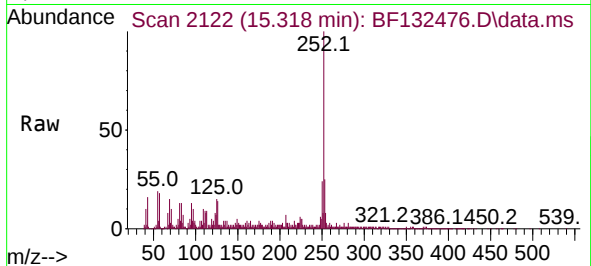
Tgt Ion:276	Resp:	47267
Ion Ratio	Lower	Upper
276	100	
138	21.9	20.2 30.4
277	22.7	20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 7.575 ng m
RT: 15.318 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

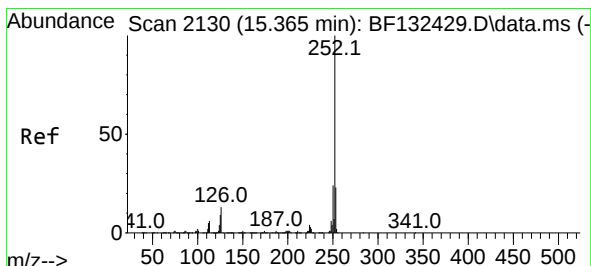
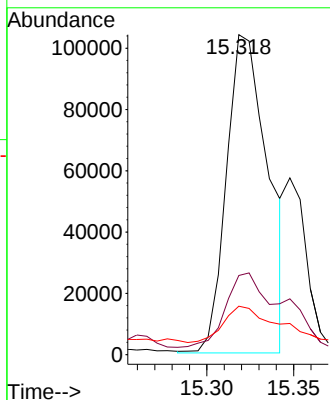
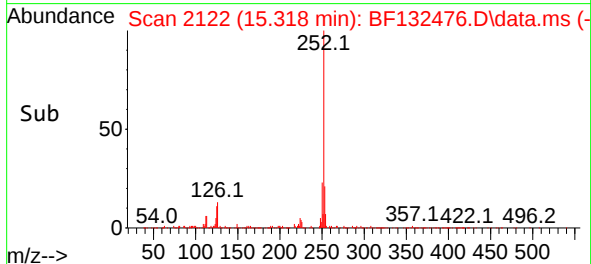
Instrument :
BNA_F
ClientSampleId :
COMP-2RE



Tgt Ion:252 Resp: 173100
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.8
125 15.1 7.6 11.4

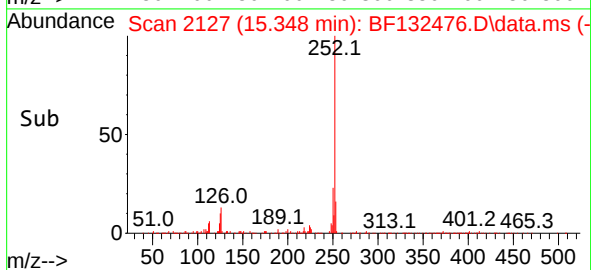
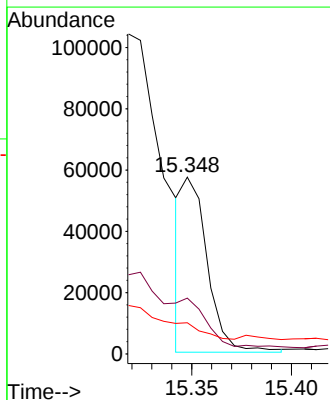
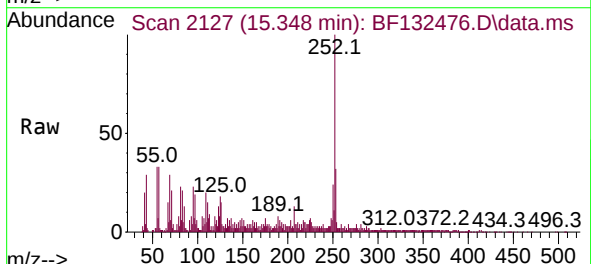
Manual Integrations
APPROVED

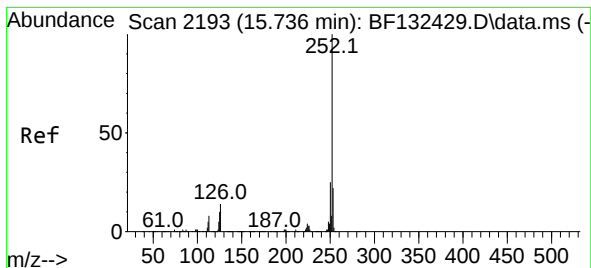
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#89
Benzo(k)fluoranthene
Concen: 2.186 ng m
RT: 15.348 min Scan# 2127
Delta R.T. -0.012 min
Lab File: BF132476.D
Acq: 20 Feb 2023 13:07

Tgt Ion:252 Resp: 49994
Ion Ratio Lower Upper
252 100
253 31.6 18.2 27.2#
125 17.7 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 4.916 ng

RT: 15.724 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132476.D

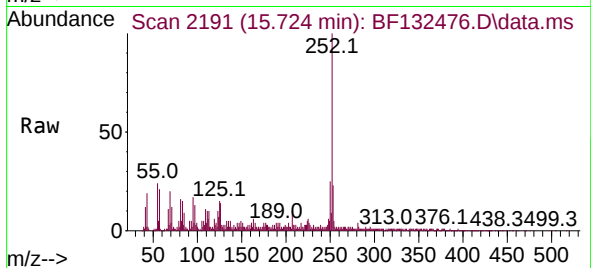
Acq: 20 Feb 2023 13:07

Instrument :

BNA_F

ClientSampleId :

COMP-2RE



Tgt Ion:252 Resp: 104404

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

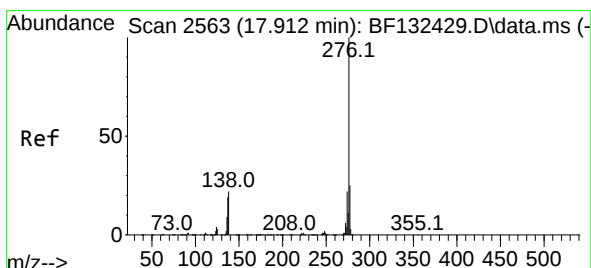
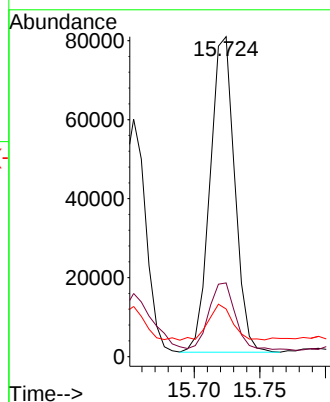
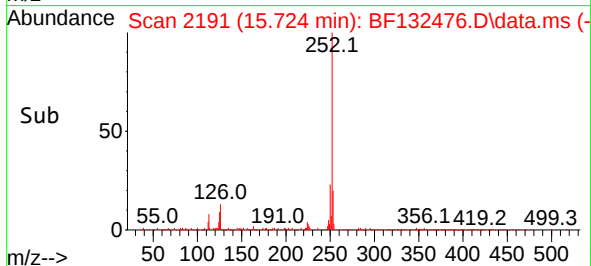
125 14.9 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#92

Benzo(g,h,i)perylene

Concen: 2.373 ng

RT: 17.889 min Scan# 2559

Delta R.T. -0.024 min

Lab File: BF132476.D

Acq: 20 Feb 2023 13:07

Tgt Ion:276 Resp: 44585

Ion Ratio Lower Upper

276 100

277 31.9 19.6 29.4

138 23.1 17.7 26.5

