

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
 Data File : BF132470.D
 Acq On : 18 Feb 2023 02:01
 Operator : CG\JU
 Sample : 01552-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-2.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/18/2023
 Supervised By :mohammad ahmed 02/20/2023

Quant Time: Feb 18 02:59:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 18 00:58:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	212282	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	747987	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	344067	20.000	ng	0.00
64) Phenanthrene-d10	11.566	188	576677	20.000	ng	0.00
76) Chrysene-d12	14.224	240	363676	20.000	ng	# 0.00
86) Perylene-d12	15.789	264	292206	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	1270858	95.928	ng	0.00
7) Phenol-d6	6.643	99	1612075	93.190	ng	0.00
23) Nitrobenzene-d5	7.584	82	1042333	66.958	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	296449	86.355	ng	0.00
45) 2-Fluorobiphenyl	9.384	172	1545884	69.385	ng	0.00
79) Terphenyl-d14	13.160	244	1486309	74.431	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.589	178	149645	5.038	ng	98
75) Fluoranthene	12.789	202	464348	14.019	ng	99
78) Pyrene	13.019	202	430036	13.920	ng	99
81) Benzo(a)anthracene	14.213	228	235044	8.824	ng	99
83) Chrysene	14.248	228	202562	7.959	ng	96
87) Indeno(1,2,3-cd)pyrene	17.401	276	92774	4.967	ng	95
88) Benzo(b)fluoranthene	15.319	252	255962m	13.320	ng	
89) Benzo(k)fluoranthene	15.348	252	60436m	3.143	ng	
90) Benzo(a)pyrene	15.719	252	158130	8.855	ng	# 90
92) Benzo(g,h,i)perylene	17.895	276	89470	5.663	ng	97

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

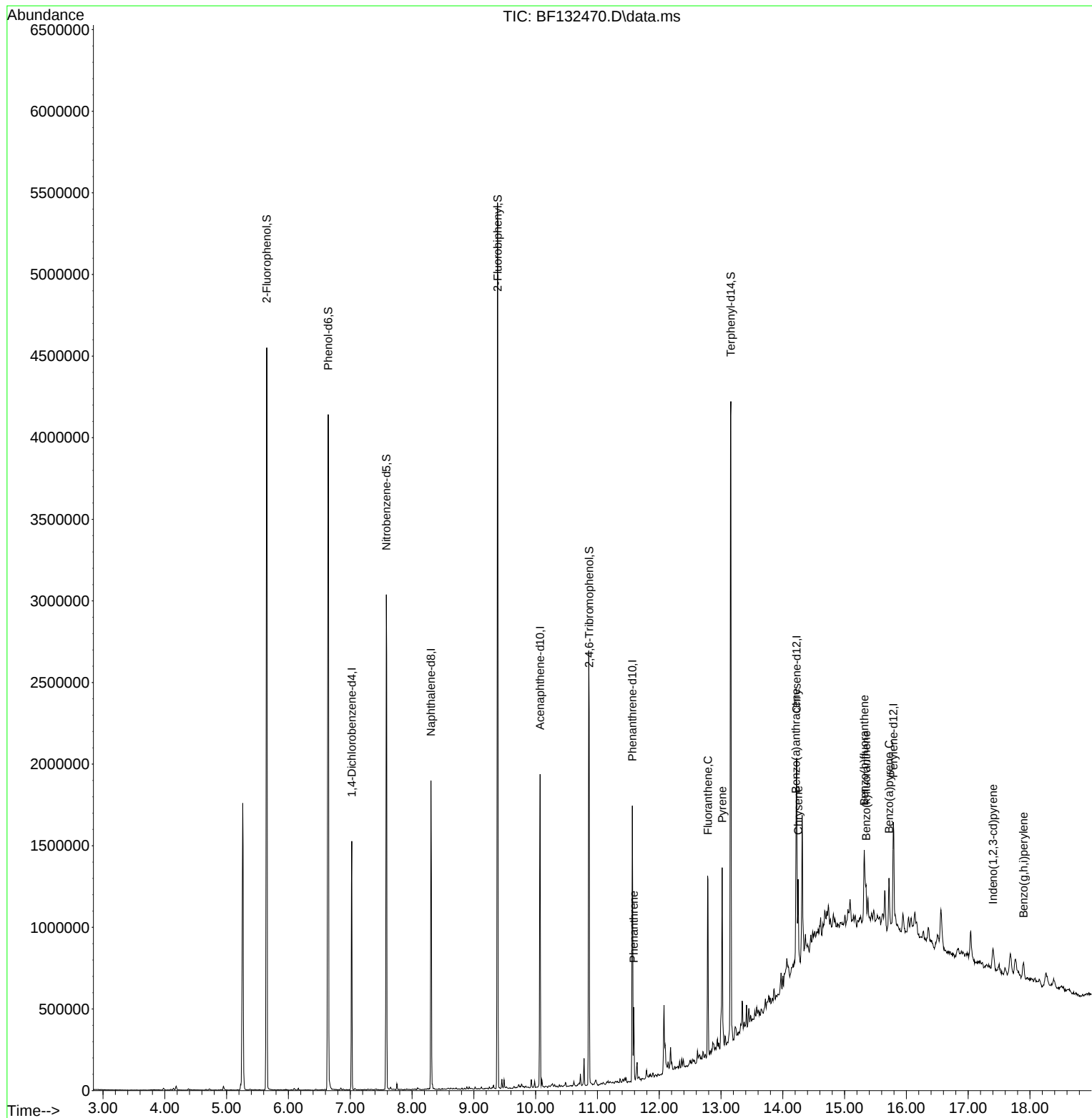
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132470.D
Acq On : 18 Feb 2023 02:01
Operator : CG\JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

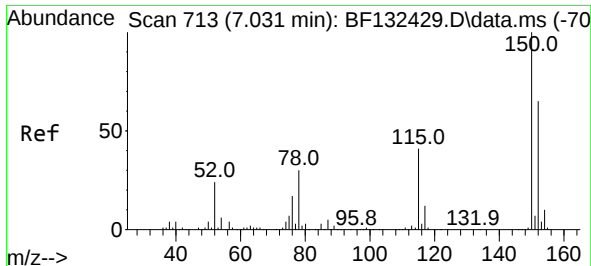
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

Quant Time: Feb 18 02:59:10 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 18 00:58:25 2023
Response via : Initial Calibration

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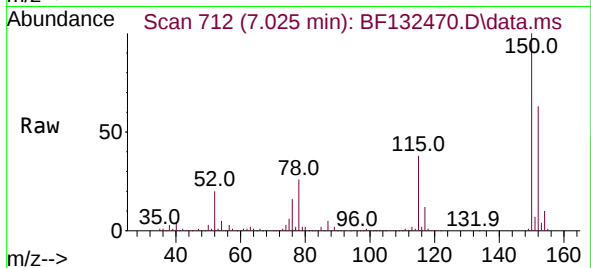
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

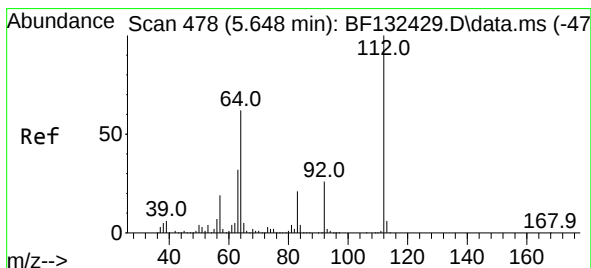
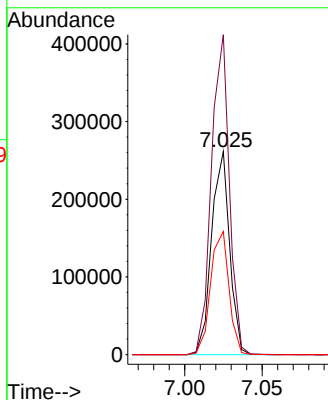
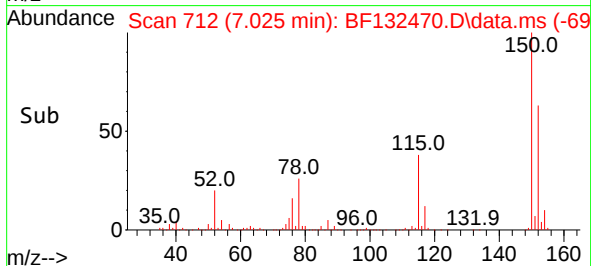
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0



Tgt Ion:152 Resp: 212282
Ion Ratio Lower Upper
152 100
150 157.5 123.8 185.8
115 60.6 50.4 75.6

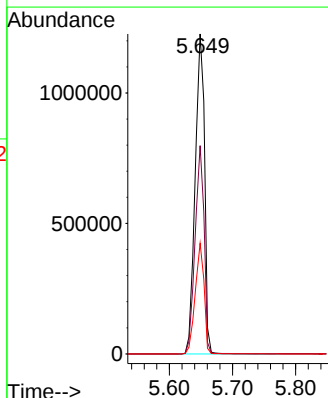
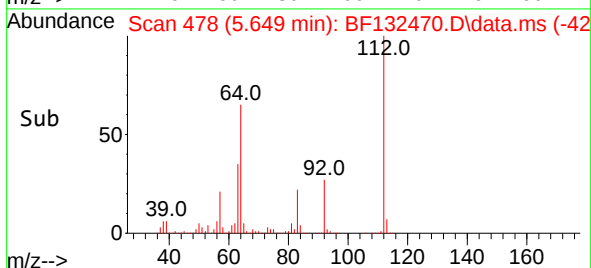
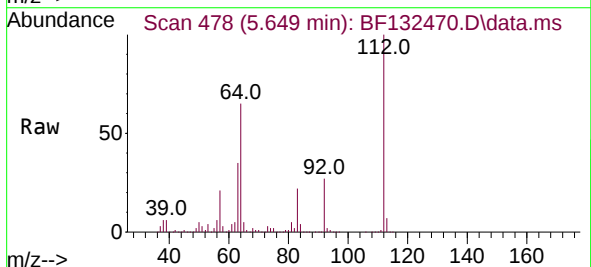
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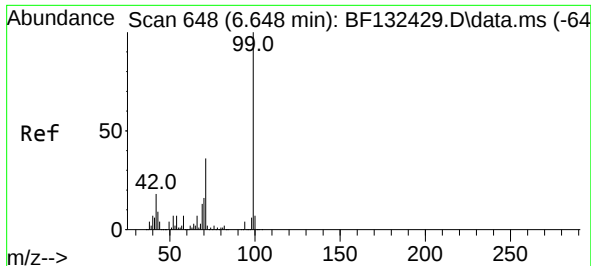
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#5
2-Fluorophenol
Concen: 95.928 ng
RT: 5.649 min Scan# 478
Delta R.T. 0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

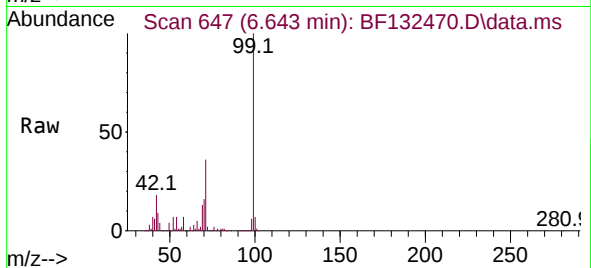
Tgt Ion:112 Resp: 1270858
Ion Ratio Lower Upper
112 100
64 65.1 49.7 74.5
63 34.6 25.8 38.8





#7
Phenol-d6
Concen: 93.190 ng
RT: 6.643 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

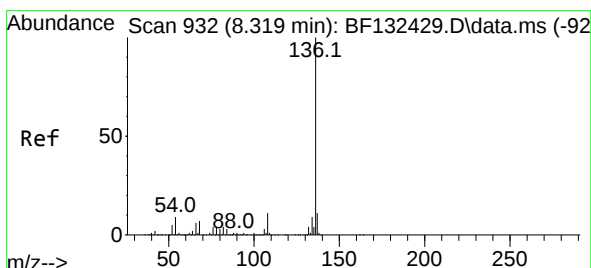
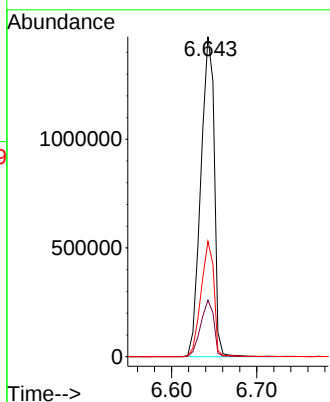
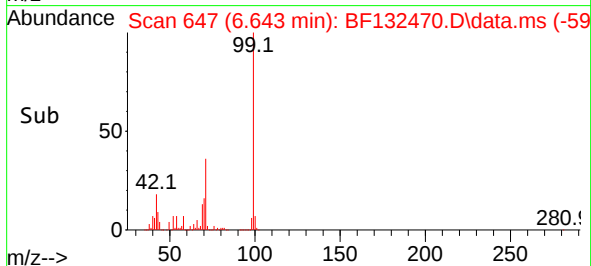
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0



Tgt Ion: 99 Resp: 1612075
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 36.0 28.7 43.1

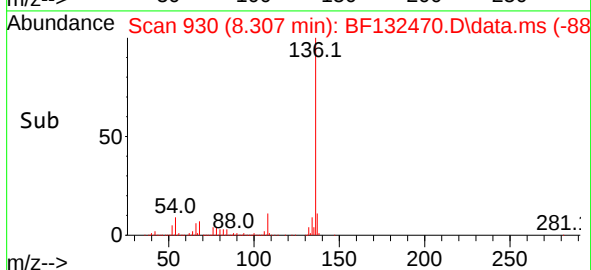
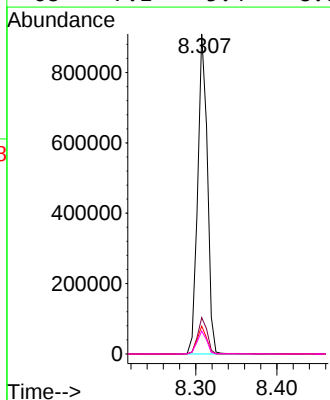
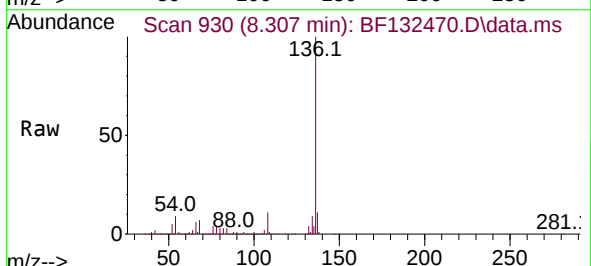
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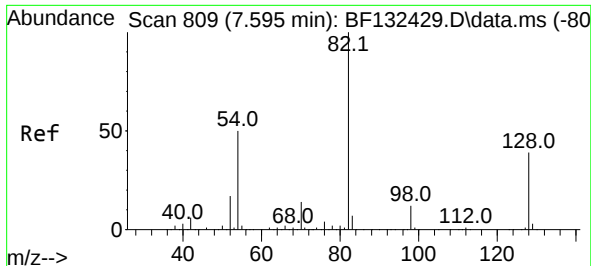
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 930
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:136 Resp: 747987
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.7 6.9 10.3
68 7.1 5.4 8.0





#23

Nitrobenzene-d5

Concen: 66.958 ng

RT: 7.584 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

Tgt Ion: 82 Resp: 104233

Ion Ratio Lower Upper

82 100

128 39.4 30.8 46.2

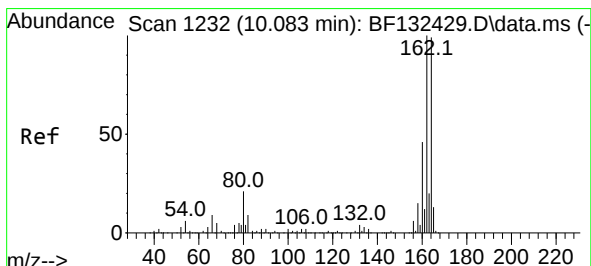
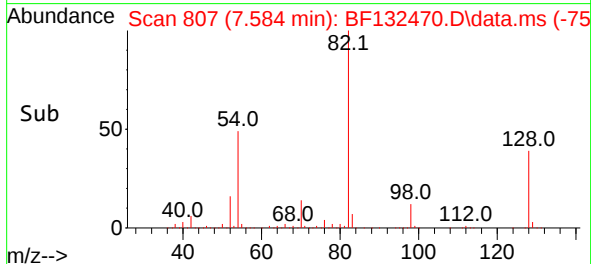
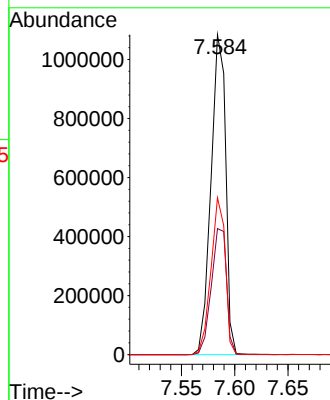
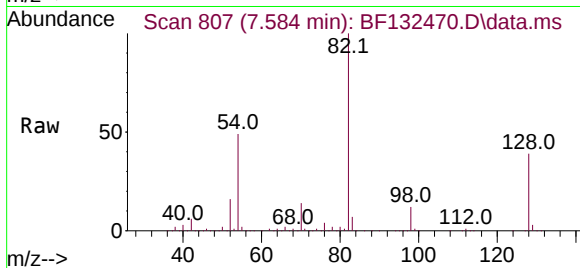
54 49.0 40.2 60.4

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Supervised By :mohammad ahmed 02/20/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.072 min Scan# 1230

Delta R.T. -0.006 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

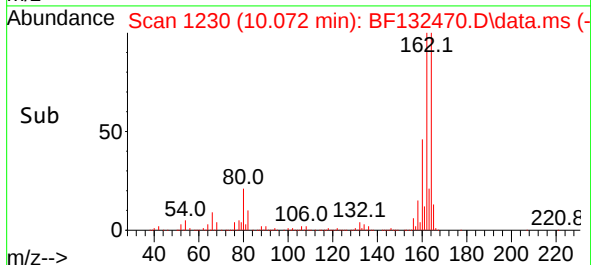
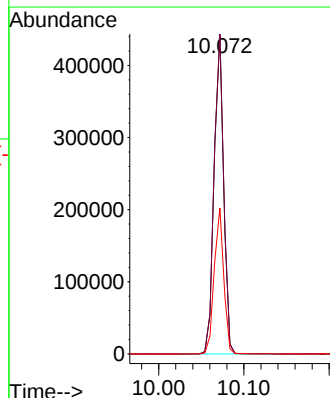
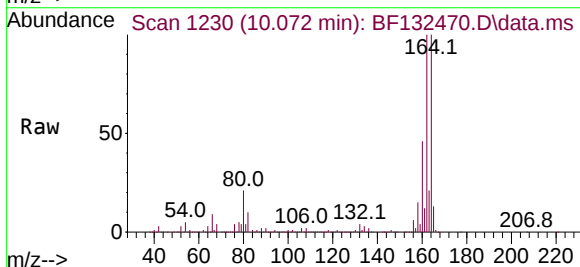
Tgt Ion:164 Resp: 344067

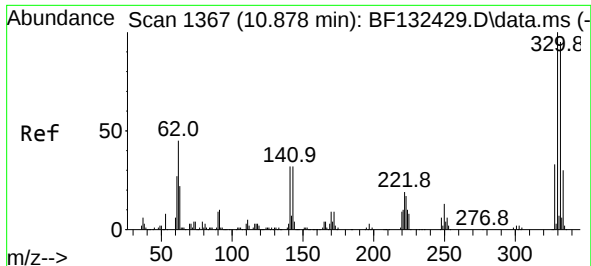
Ion Ratio Lower Upper

164 100

162 100.2 80.8 121.2

160 45.7 37.2 55.8





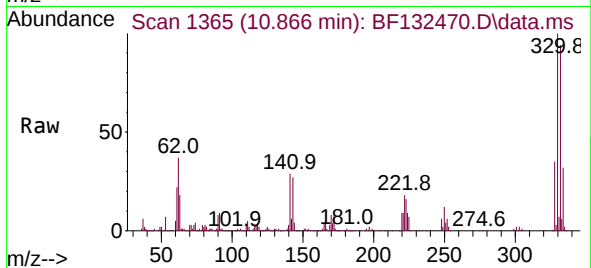
#42
2,4,6-Tribromophenol
Concen: 86.355 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0



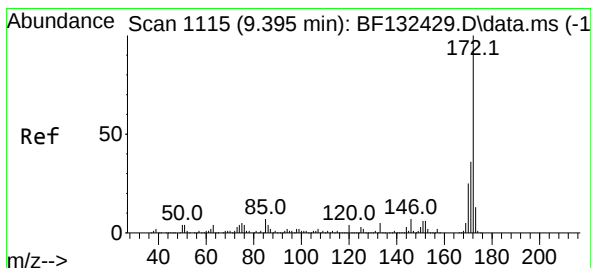
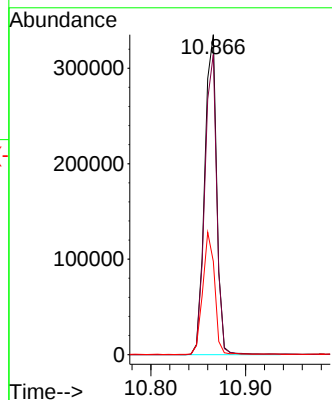
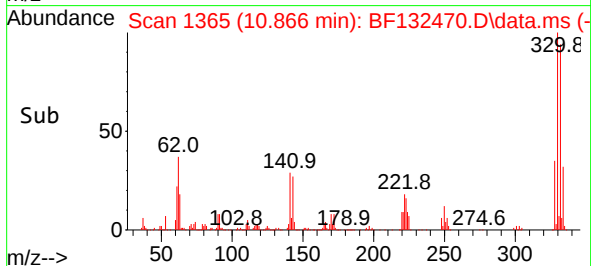
Tgt Ion:330 Resp: 296449
Ion Ratio Lower Upper
330 100
332 93.7 76.3 114.5
141 37.6 30.3 45.5

Manual Integrations

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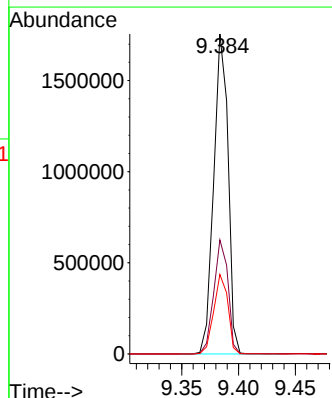
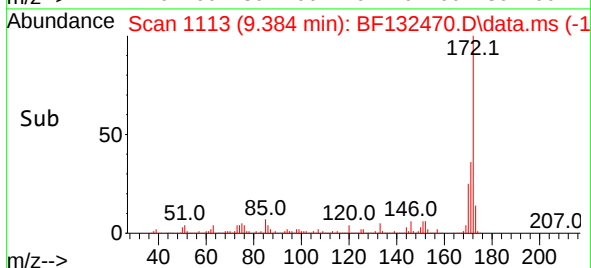
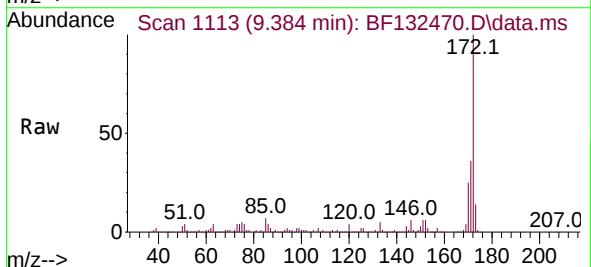
Reviewed By :Yogesh Patel 02/18/2023

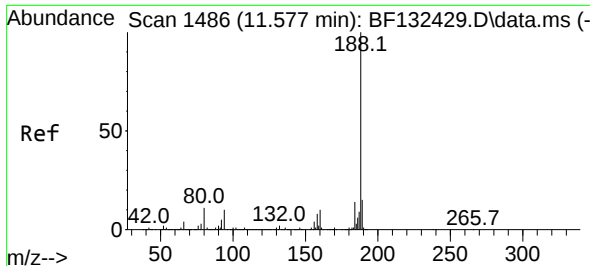
Supervised By :mohammad ahmed 02/20/2023



#45
2-Fluorobiphenyl
Concen: 69.385 ng
RT: 9.384 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:172 Resp: 1545884
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 24.8 19.9 29.9





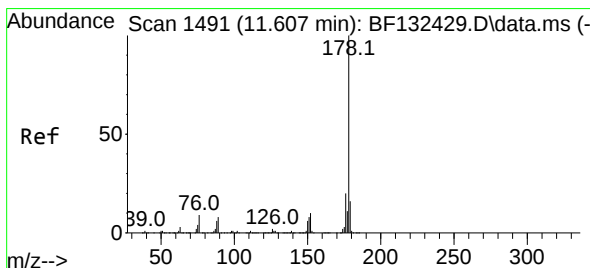
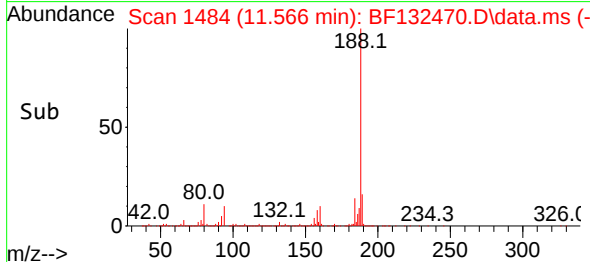
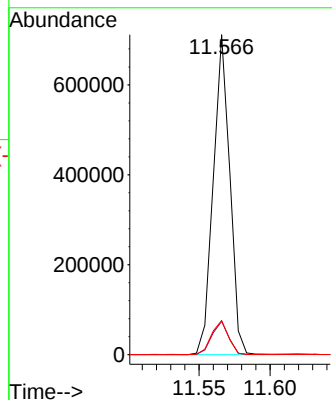
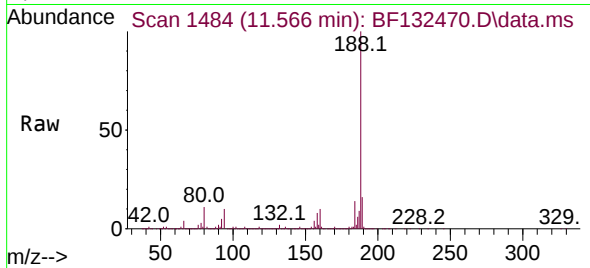
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.566 min Scan# 1486
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

Tgt Ion:188 Resp: 576672
Ion Ratio Lower Upper
188 100
94 10.4 8.0 12.0
80 10.6 8.6 12.8

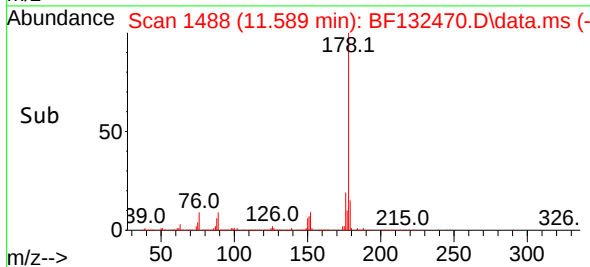
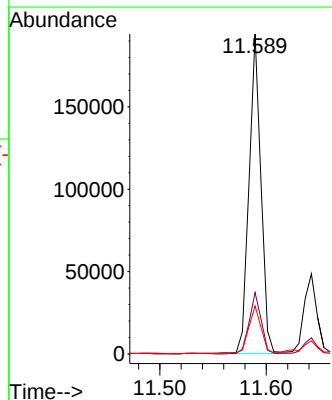
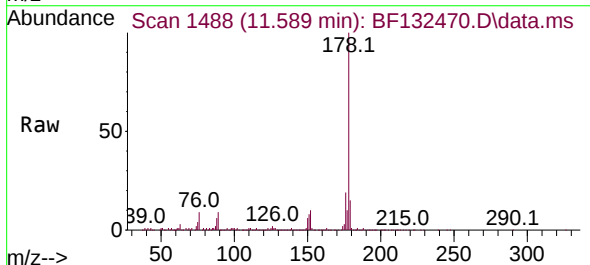
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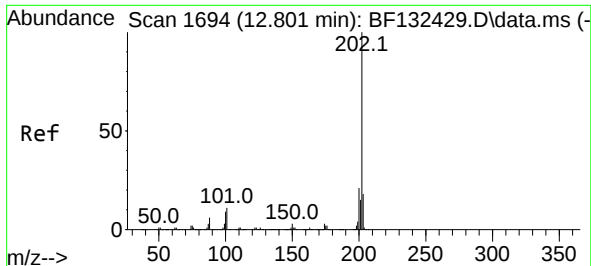
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#71
Phenanthrene
Concen: 5.038 ng
RT: 11.589 min Scan# 1488
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

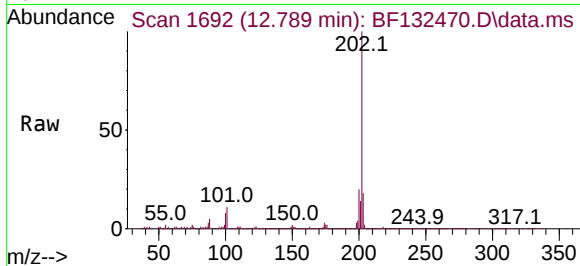
Tgt Ion:178 Resp: 149645
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 15.0 12.6 18.8





#75
Fluoranthene
Concen: 14.019 ng
RT: 12.789 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

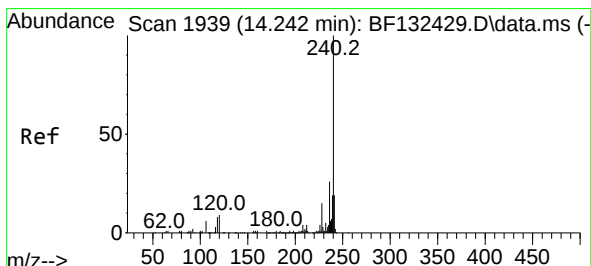
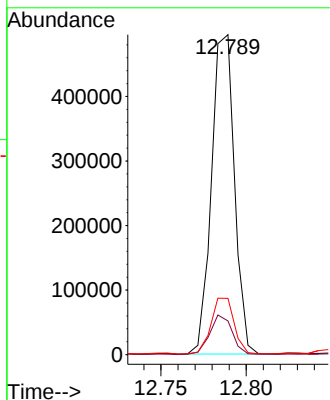
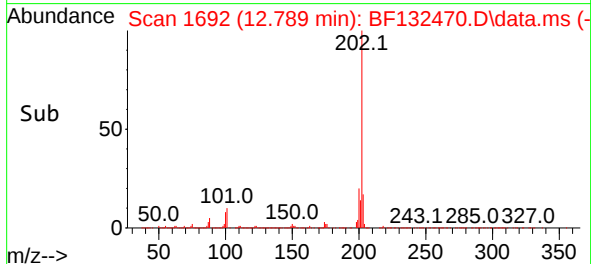
Instrument :
BNA_F
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SB-04-0-2.0



Tgt Ion:202 Resp: 464348
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.3
203 17.6 0.0 37.8

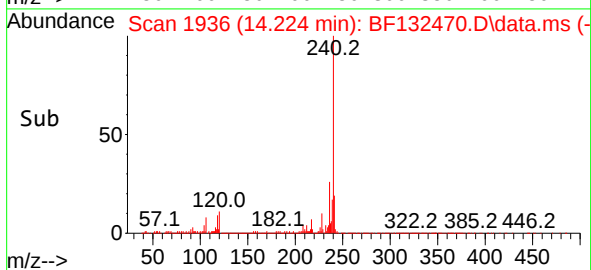
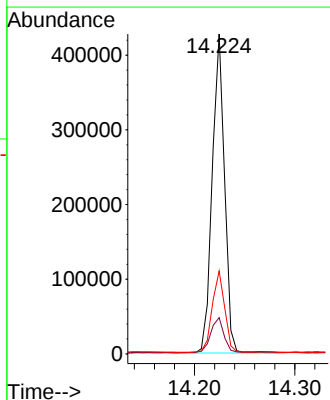
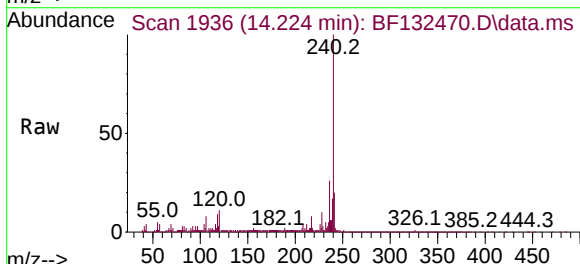
Manual Integrations
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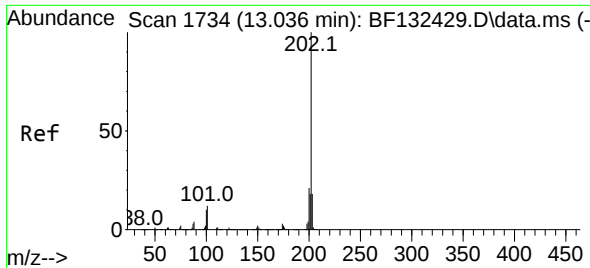
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.224 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

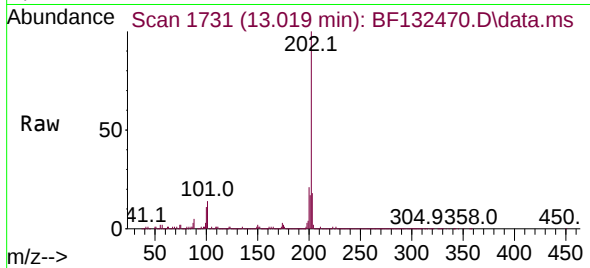
Tgt Ion:240 Resp: 363676
Ion Ratio Lower Upper
240 100
120 11.3 7.5 11.3#
236 25.9 21.0 31.6





#78
Pyrene
Concen: 13.920 ng
RT: 13.019 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

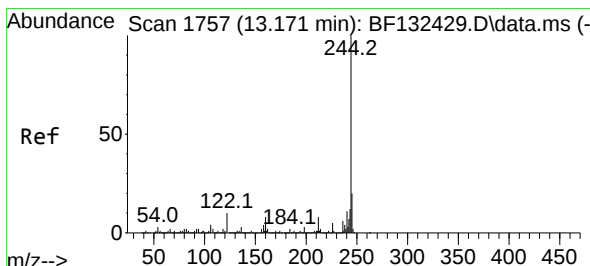
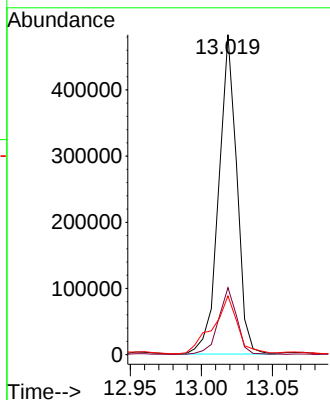
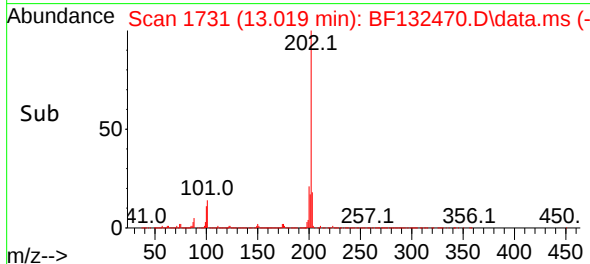
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0



Tgt Ion:202 Resp: 430036
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 18.3 14.3 21.5

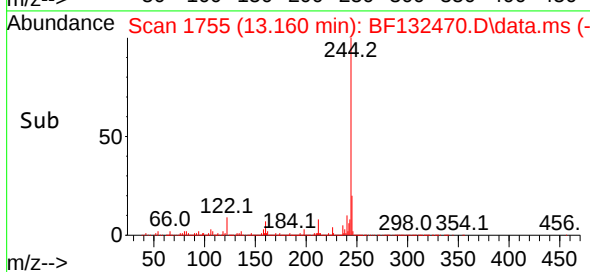
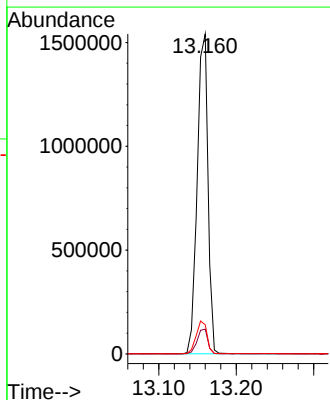
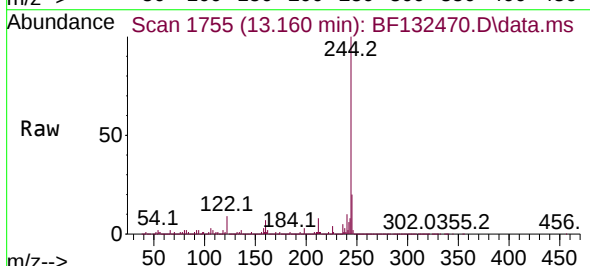
Manual Integrations
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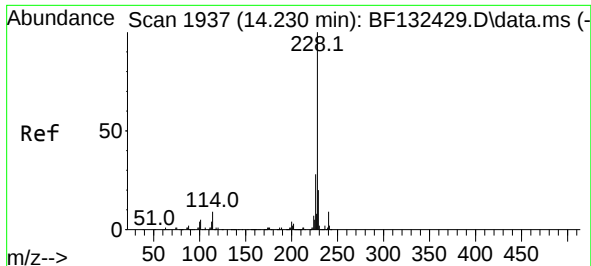
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#79
Terphenyl-d14
Concen: 74.431 ng
RT: 13.160 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:244 Resp: 1486309
Ion Ratio Lower Upper
244 100
212 7.7 6.7 10.1
122 9.1 7.7 11.5





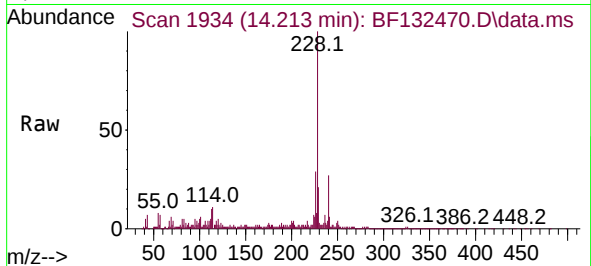
#81
Benzo(a)anthracene
Concen: 8.824 ng
RT: 14.213 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

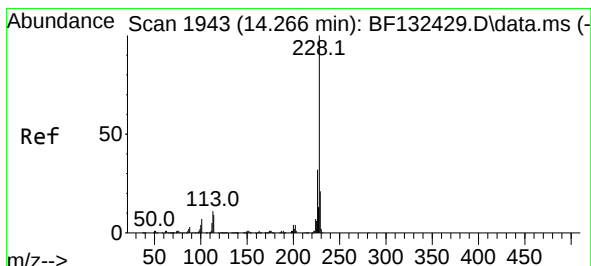
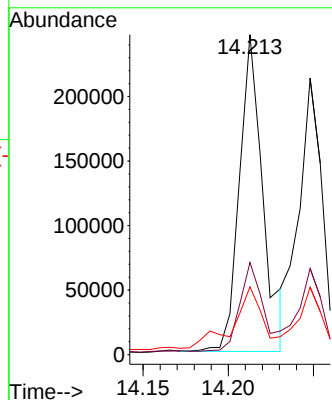
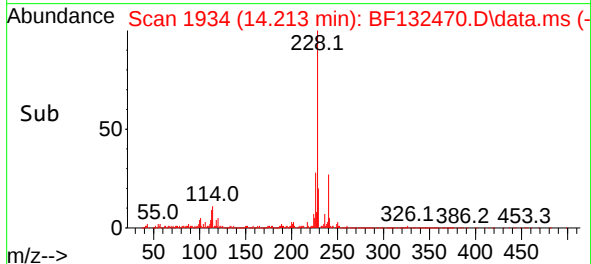


Tgt Ion:228 Resp: 235044
Ion Ratio Lower Upper
228 100
226 28.8 22.6 34.0
229 21.2 16.2 24.4

Manual Integrations

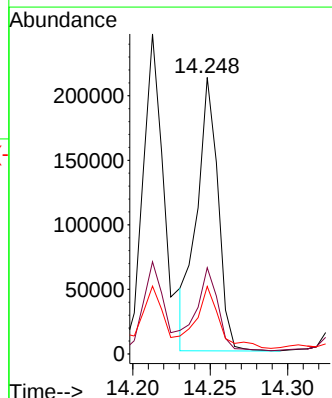
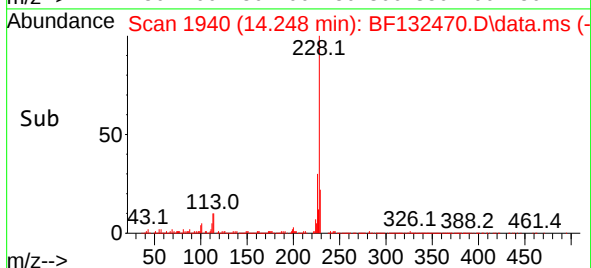
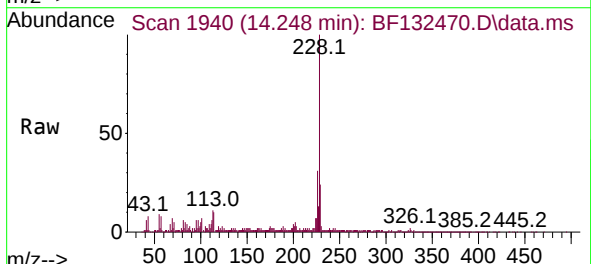
APPROVED

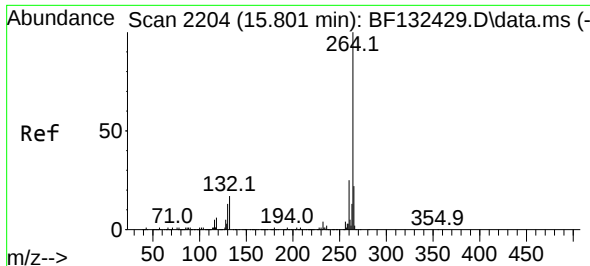
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#83
Chrysene
Concen: 7.959 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.012 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:228 Resp: 202562
Ion Ratio Lower Upper
228 100
226 31.1 25.4 38.2
229 24.4 16.6 25.0





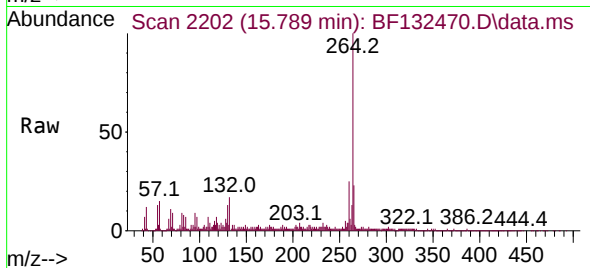
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.789 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

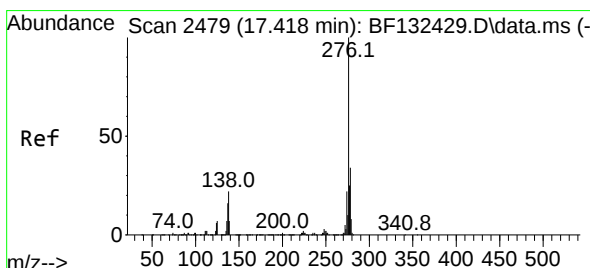
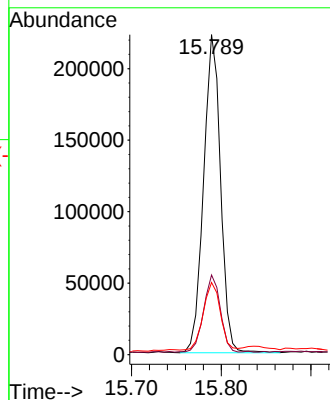
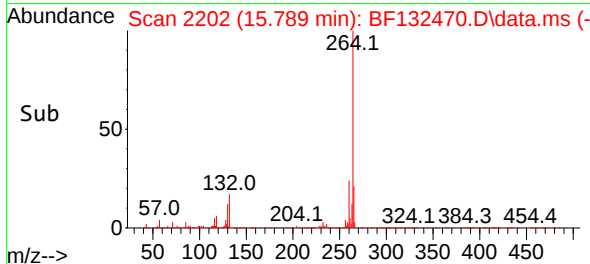


Tgt Ion:264 Resp: 292206
Ion Ratio Lower Upper
264 100
260 24.9 20.0 30.0
265 22.5 17.2 25.8

Manual Integrations

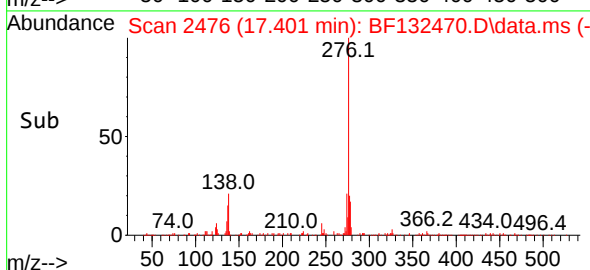
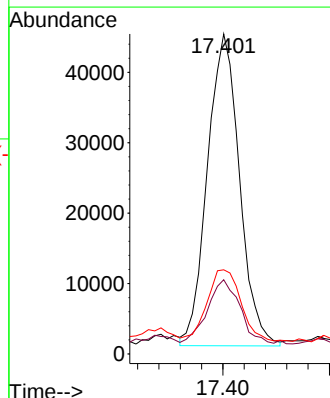
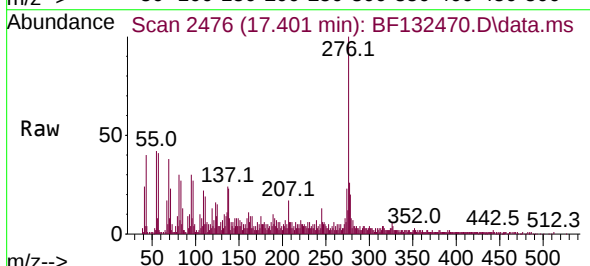
APPROVED

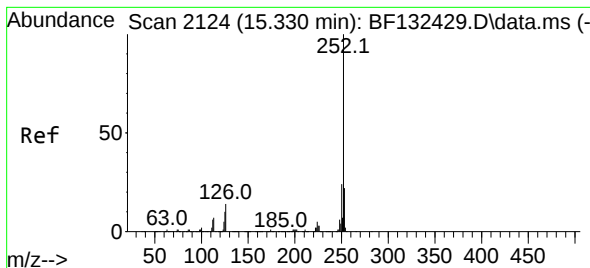
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.967 ng
RT: 17.401 min Scan# 2476
Delta R.T. 0.000 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:276 Resp: 92774
Ion Ratio Lower Upper
276 100
138 20.4 20.2 30.4
277 24.8 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 13.320 ng m

RT: 15.319 min Scan# 2119

Delta R.T. 0.000 min

Lab File: BF132470.D

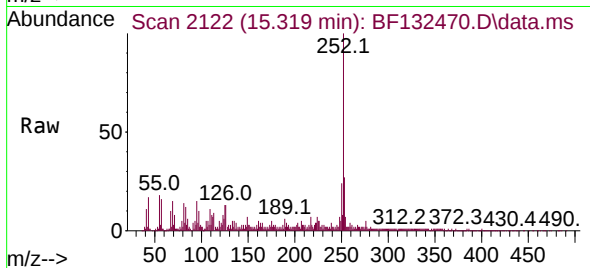
Acq: 18 Feb 2023 02:01

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0



Tgt Ion:252 Resp: 255962

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.8

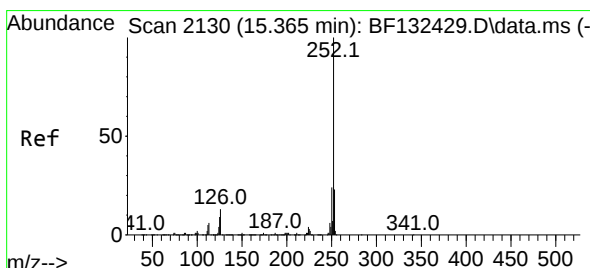
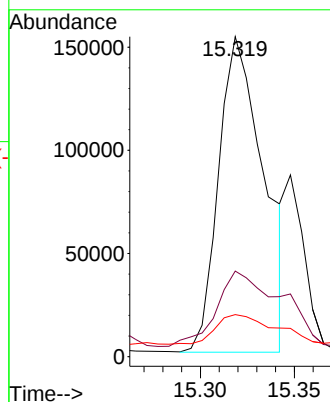
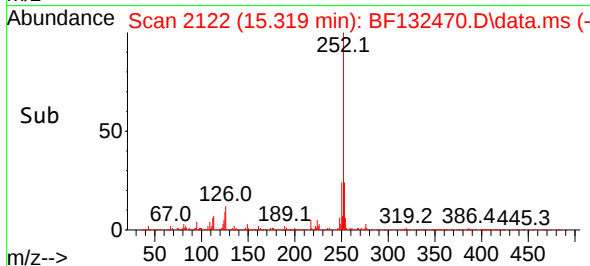
125 13.1 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#89

Benzo(k)fluoranthene

Concen: 3.143 ng m

RT: 15.348 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

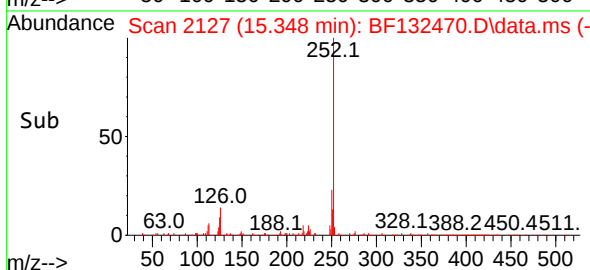
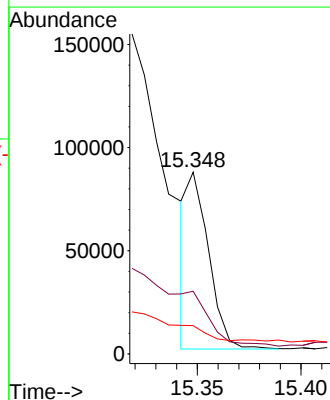
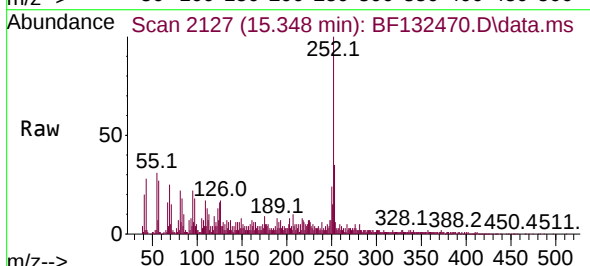
Tgt Ion:252 Resp: 60436

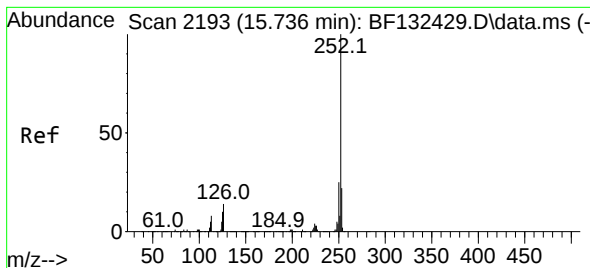
Ion Ratio Lower Upper

252 100

253 34.5 18.2 27.2#

125 15.6 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 8.855 ng

RT: 15.719 min Scan# 2190

Delta R.T. 0.000 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

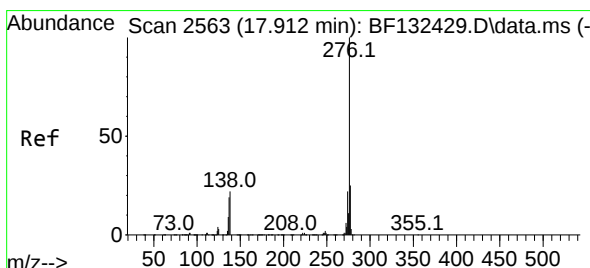
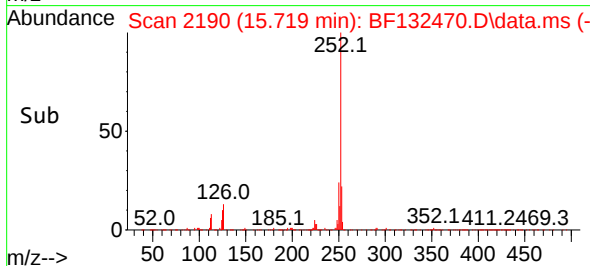
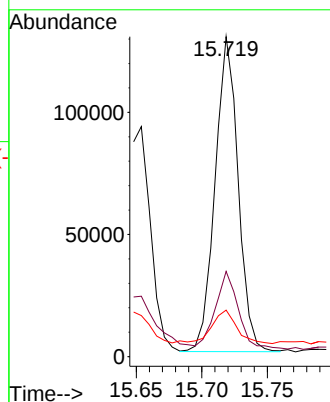
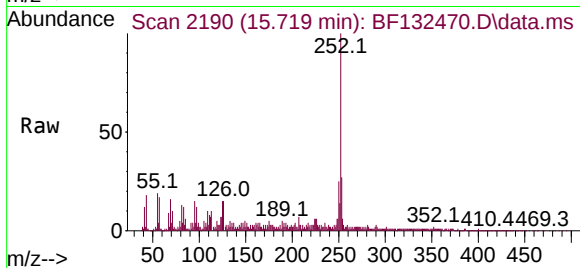
Tgt Ion:	252	Resp:	158130
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.6	26.4
125	14.5	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#92

Benzo(g,h,i)perylene

Concen: 5.663 ng

RT: 17.895 min Scan# 2560

Delta R.T. 0.000 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

Tgt Ion:	276	Resp:	89470
Ion Ratio	Lower	Upper	
276	100		
277	27.1	19.6	29.4
138	22.6	17.7	26.5

