

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
 Data File : BF132469.D
 Acq On : 18 Feb 2023 01:29
 Operator : CG\JU
 Sample : 01552-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Manual Integrations
 APPROVED

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

Quant Time: Feb 18 02:08:19 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	230181	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	790903	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	366972	20.000	ng	0.00
64) Phenanthrene-d10	11.566	188	589559	20.000	ng	0.00
76) Chrysene-d12	14.224	240	385443	20.000	ng	0.00
86) Perylene-d12	15.789	264	301855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.648	112	1381686	96.184	ng	0.00
7) Phenol-d6	6.648	99	1745157	93.038	ng	0.00
23) Nitrobenzene-d5	7.583	82	1155428	70.195	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	322638	88.118	ng	0.00
45) 2-Fluorobiphenyl	9.383	172	1610612	67.778	ng	0.00
79) Terphenyl-d14	13.160	244	1409884	66.617	ng	0.00
Target Compounds						Qvalue
66) n-Nitrosodiphenylamine	10.724	169	114949	6.352	ng	99
71) Phenanthrene	11.589	178	473665	15.599	ng	99
72) Anthracene	11.642	178	130062	4.167	ng	97
75) Fluoranthene	12.789	202	863397	25.497	ng	99
78) Pyrene	13.018	202	793927	24.247	ng	99
81) Benzo(a)anthracene	14.212	228	430287	15.242	ng	99
83) Chrysene	14.248	228	364773	13.524	ng	96
84) Bis(2-ethylhexyl)phtha...	14.183	149	58248	3.683	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.395	276	153357	7.948	ng	97
88) Benzo(b)fluoranthene	15.318	252	423230m	21.321	ng	
89) Benzo(k)fluoranthene	15.348	252	99496m	5.009	ng	
90) Benzo(a)pyrene	15.718	252	271407	14.712	ng	96
91) Dibenzo(a,h)anthracene	17.412	278	40021	2.518	ng	# 77
92) Benzo(g,h,i)perylene	17.889	276	148882	9.122	ng	96

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

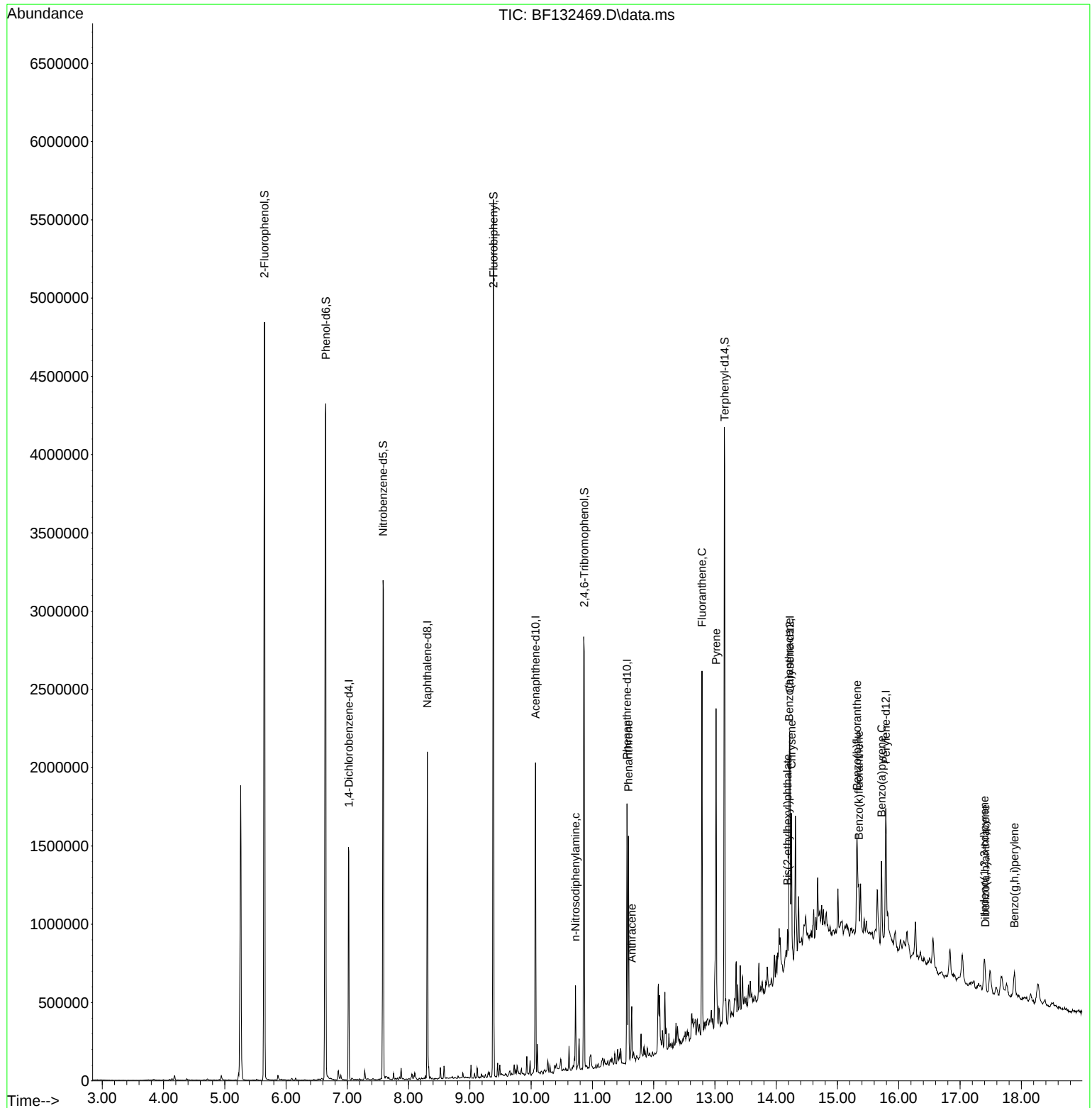
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
Data File : BF132469.D
Acq On : 18 Feb 2023 01:29
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ALS Vial : 17 Sample Multiplier: 1

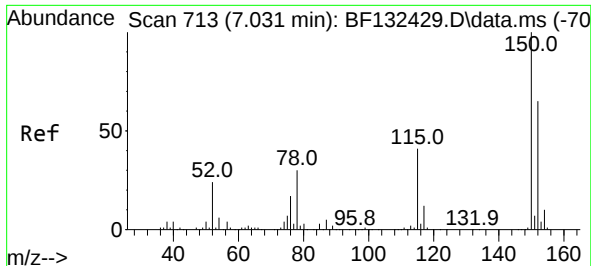
Instrument :
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ClientSampleId :
SB-02-0-2.0

Quant Time: Feb 18 02:08:19 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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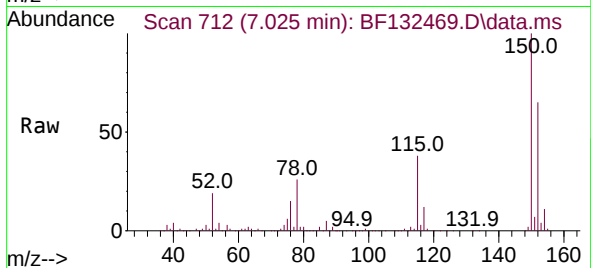
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

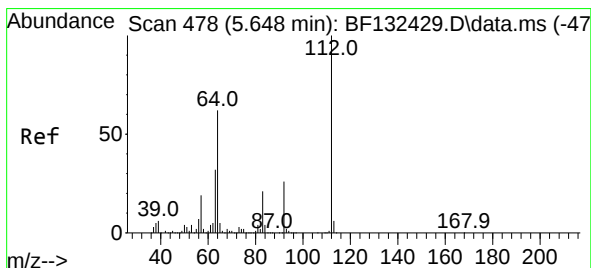
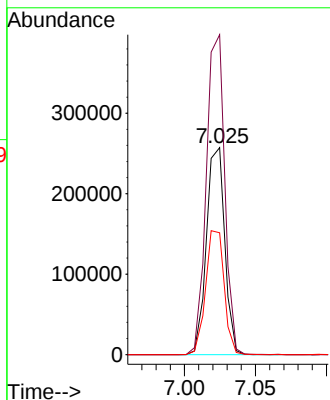
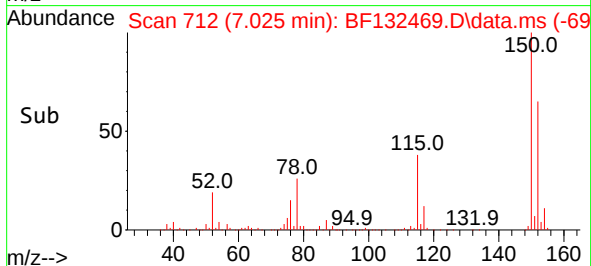
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



Tgt Ion:152 Resp: 230181
Ion Ratio Lower Upper
152 100
150 154.6 123.8 185.8
115 58.9 50.4 75.6

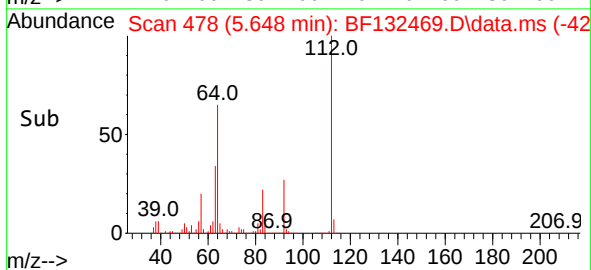
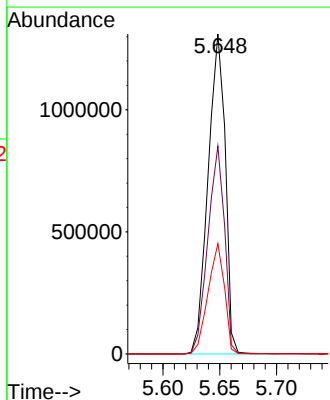
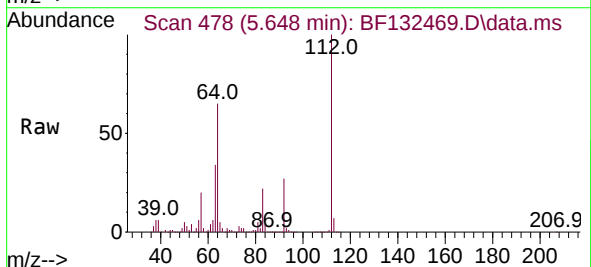
Manual Integrations
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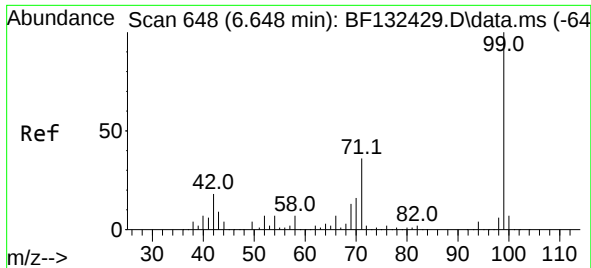
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#5
2-Fluorophenol
Concen: 96.184 ng
RT: 5.648 min Scan# 478
Delta R.T. 0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

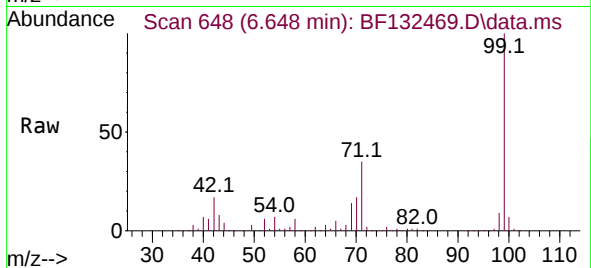
Tgt Ion:112 Resp: 1381686
Ion Ratio Lower Upper
112 100
64 65.0 49.7 74.5
63 34.5 25.8 38.8





#7
Phenol-d6
Concen: 93.038 ng
RT: 6.648 min Scan# 64
Delta R.T. -0.000 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

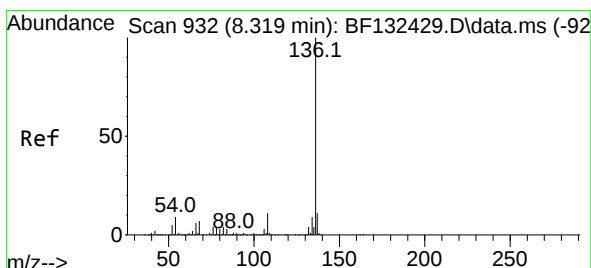
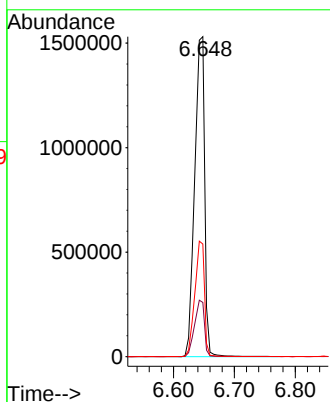
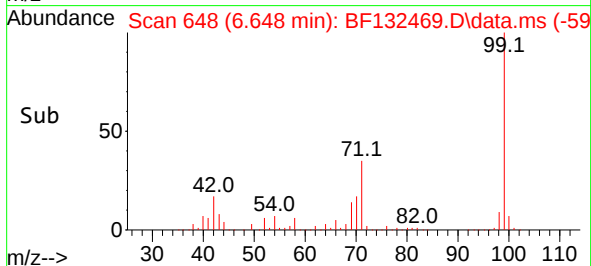
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



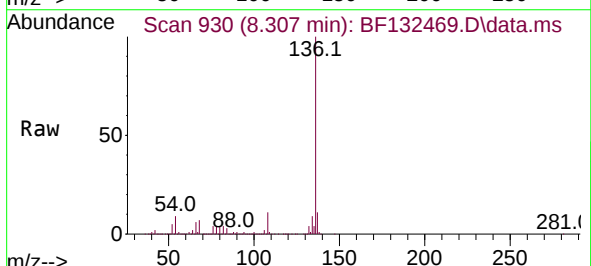
Tgt Ion: 99 Resp: 174515
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 35.2 28.7 43.1

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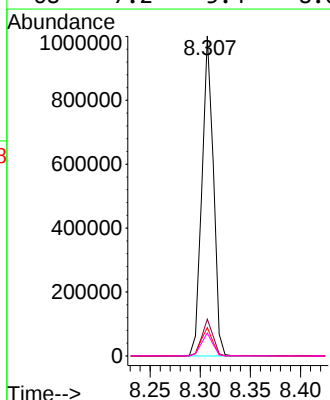
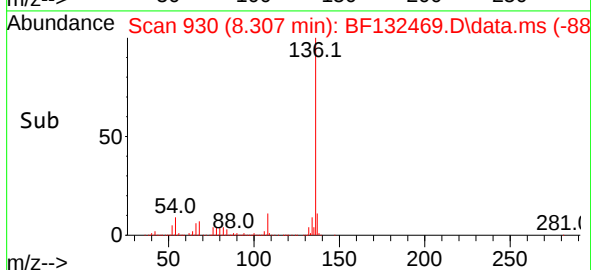
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023

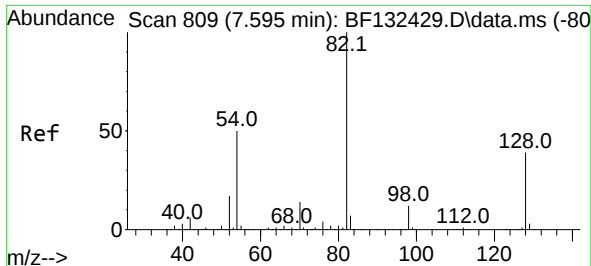


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 930
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29



Tgt Ion:136 Resp: 790903
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 8.8 6.9 10.3
68 7.2 5.4 8.0





#23
Nitrobenzene-d5
Concen: 70.195 ng
RT: 7.583 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

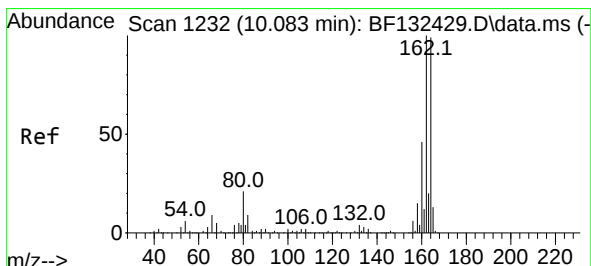
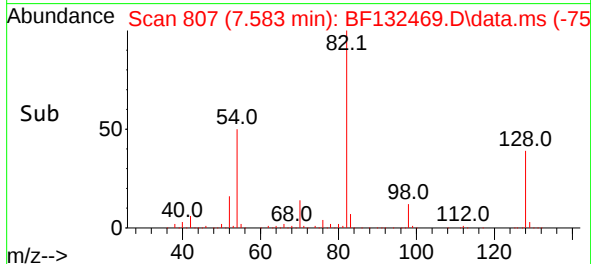
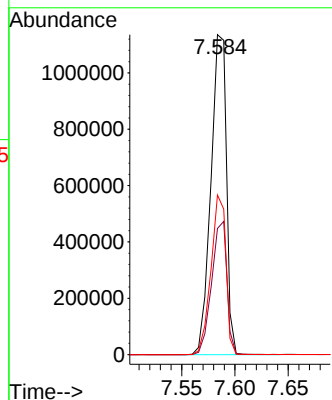
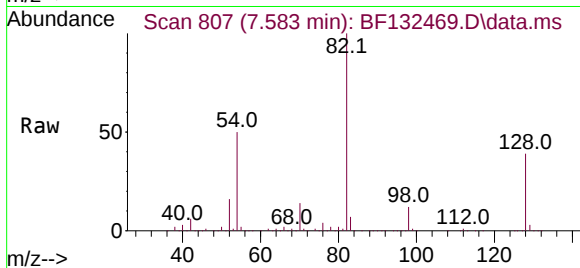
SB-02-0-2.0

Tgt Ion: 82 Resp: 1155428
Ion Ratio Lower Upper
82 100
128 39.4 30.8 46.2
54 49.9 40.2 60.4

Manual Integrations

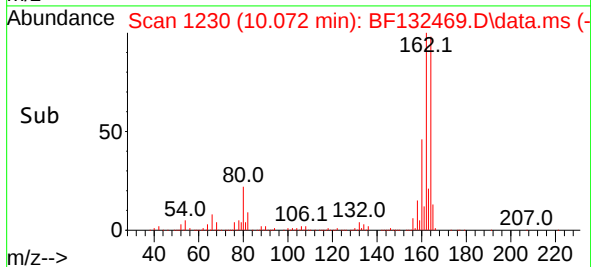
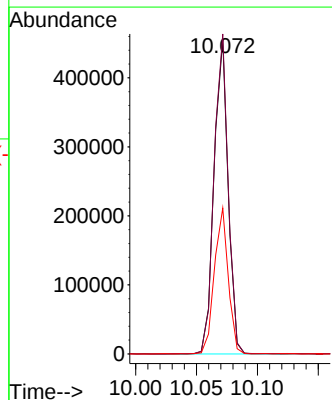
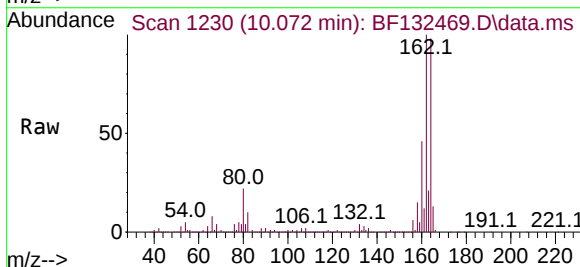
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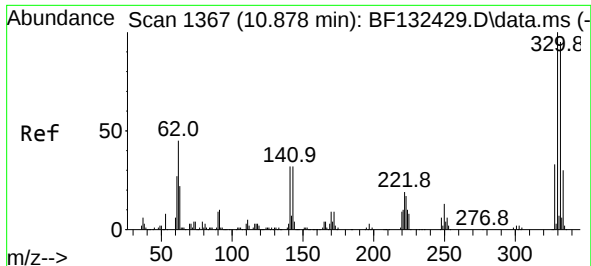
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:164 Resp: 366972
Ion Ratio Lower Upper
164 100
162 101.8 80.8 121.2
160 46.4 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 88.118 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

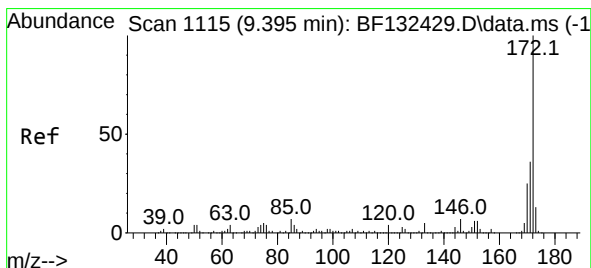
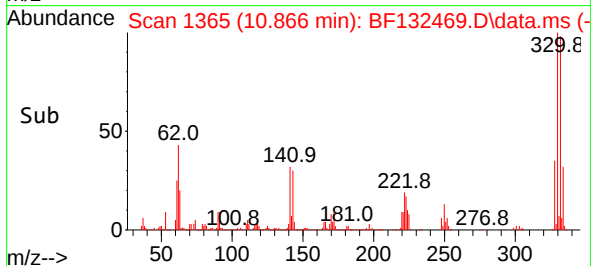
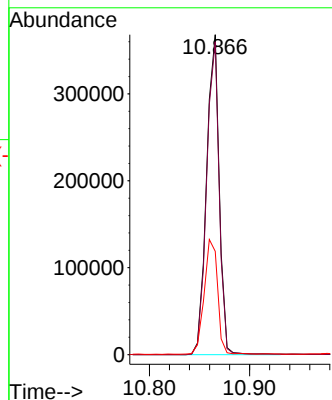
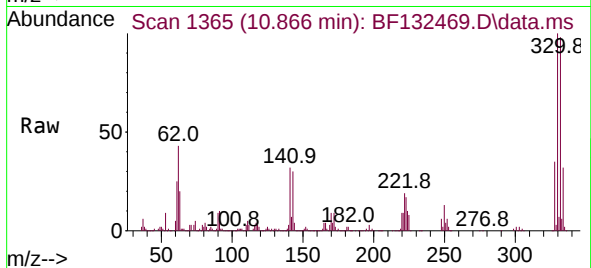
SB-02-0-2.0

Tgt Ion:330 Resp: 322638
Ion Ratio Lower Upper
330 100
332 97.0 76.3 114.5
141 37.8 30.3 45.5

Manual Integrations

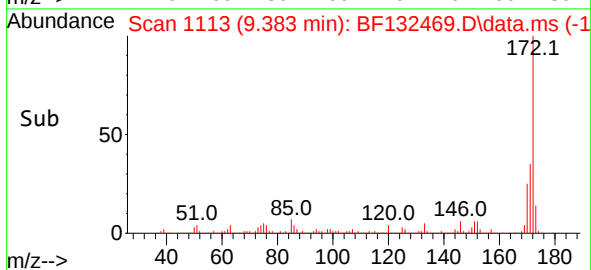
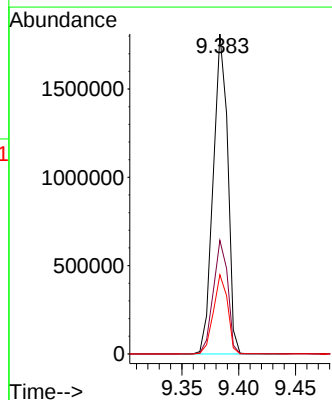
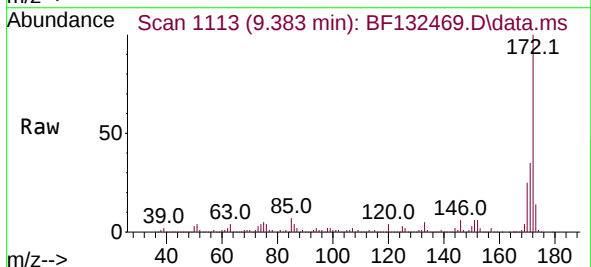
APPROVED

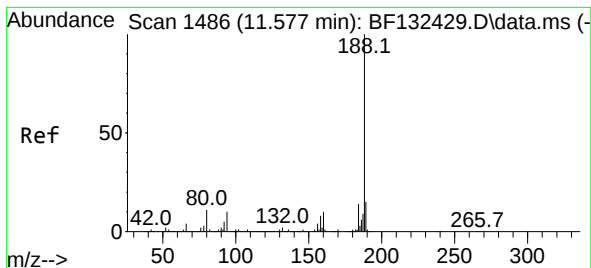
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#45
2-Fluorobiphenyl
Concen: 67.778 ng
RT: 9.383 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:172 Resp: 1610612
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 24.7 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: BF132469.D

Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

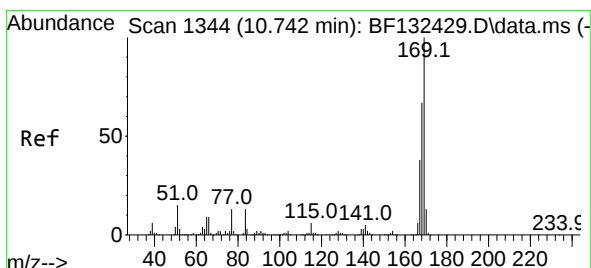
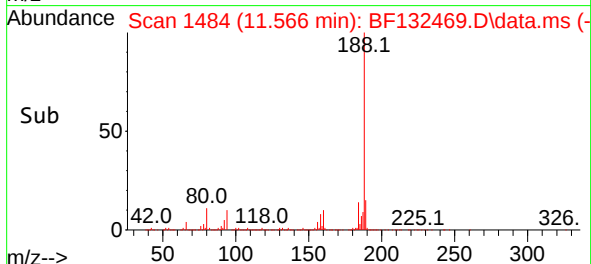
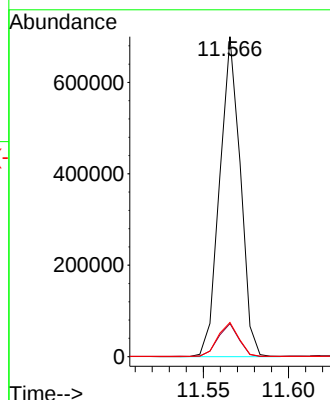
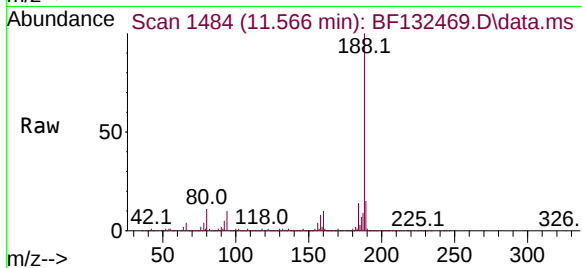
Tgt Ion:188 Resp: 589559
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.0 12.0
 80 10.7 8.6 12.8

Manual Integrations

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Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#66

n-Nitrosodiphenylamine

Concen: 6.352 ng

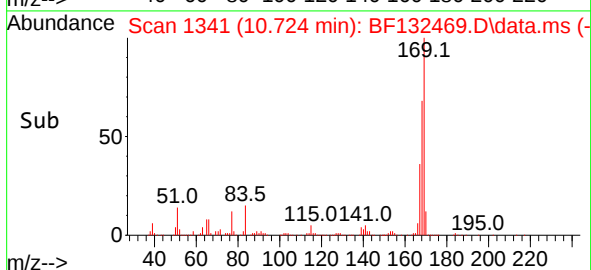
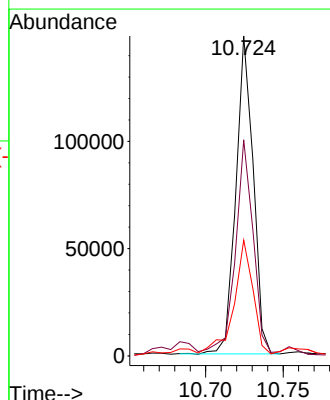
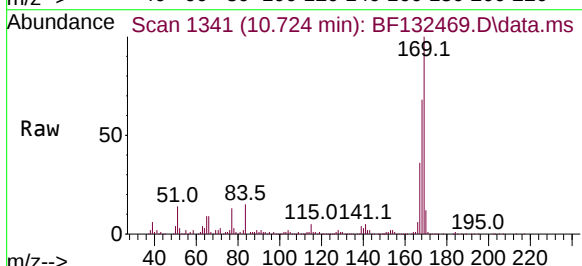
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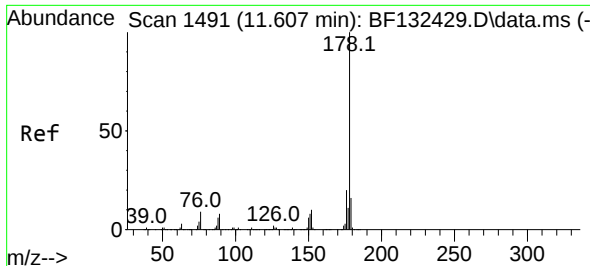
Delta R.T. -0.012 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

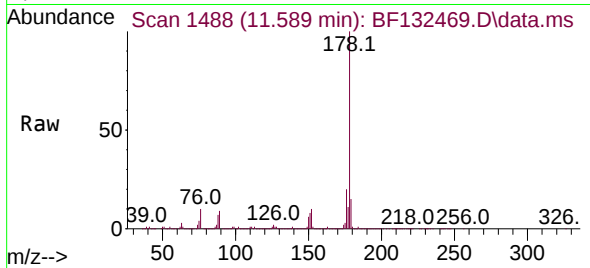
Tgt Ion:169 Resp: 114949
 Ion Ratio Lower Upper
 169 100
 168 67.5 53.5 80.3
 167 36.2 30.2 45.2





#71
Phenanthrene
Concen: 15.599 ng
RT: 11.589 min Scan# 1491
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

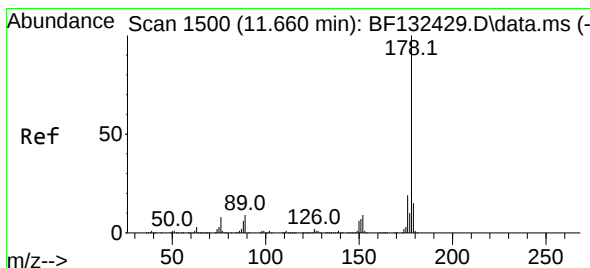
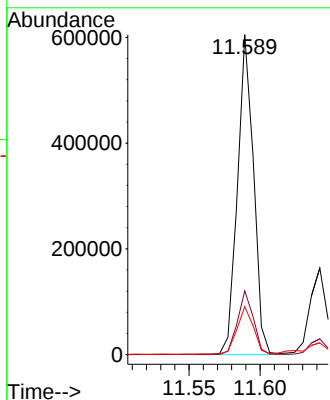
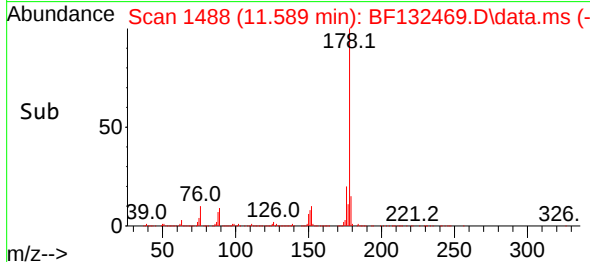
Instrument :
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Tgt Ion:178 Resp: 47366
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.2
179 15.0 12.6 18.8

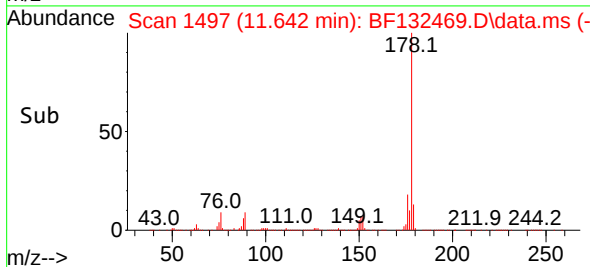
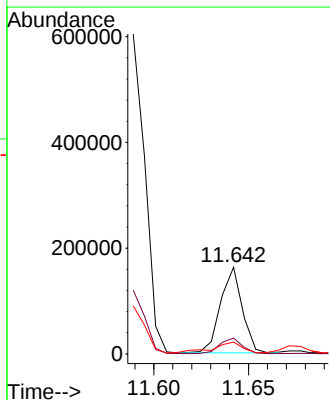
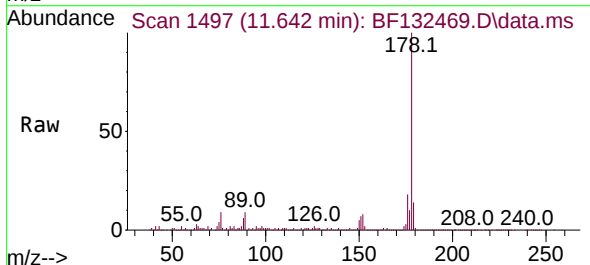
Manual Integrations
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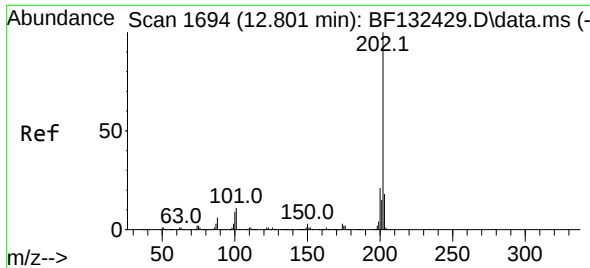
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#72
Anthracene
Concen: 4.167 ng
RT: 11.642 min Scan# 1497
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

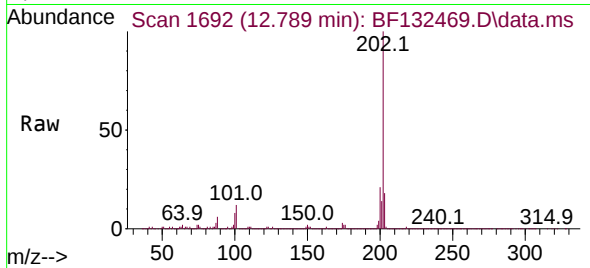
Tgt Ion:178 Resp: 130062
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 13.6 12.4 18.6





#75
Fluoranthene
Concen: 25.497 ng
RT: 12.789 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

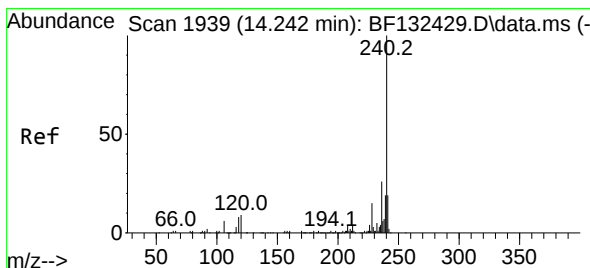
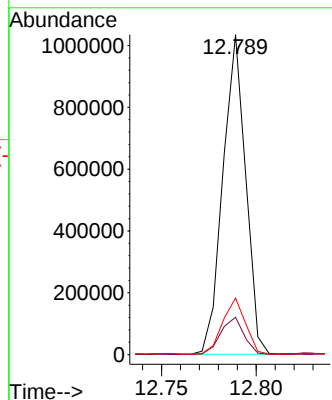
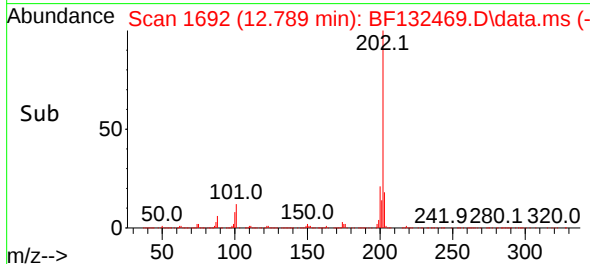
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:202 Resp: 863397
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.3
203 17.7 0.0 37.8

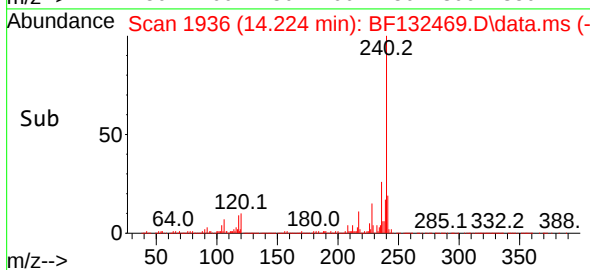
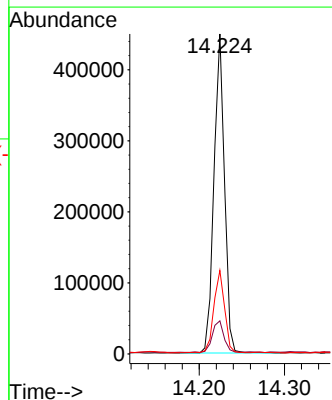
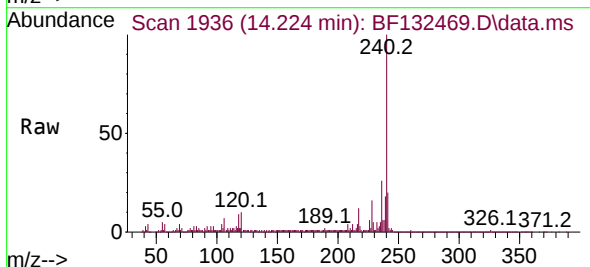
Manual Integrations
APPROVED

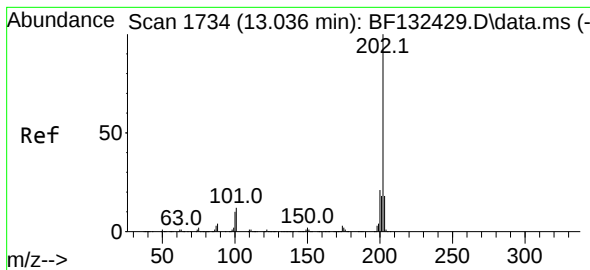
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.224 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:240 Resp: 385443
Ion Ratio Lower Upper
240 100
120 10.3 7.5 11.3
236 26.1 21.0 31.6





#78

Pyrene

Concen: 24.247 ng

RT: 13.018 min Scan# 1731

Delta R.T. -0.006 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

Tgt Ion:202 Resp: 793927

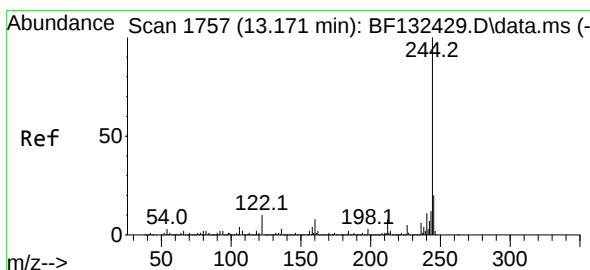
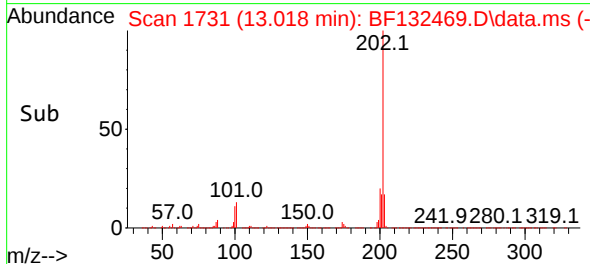
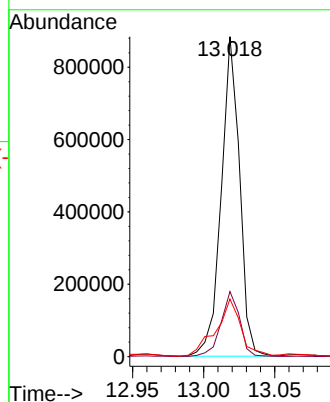
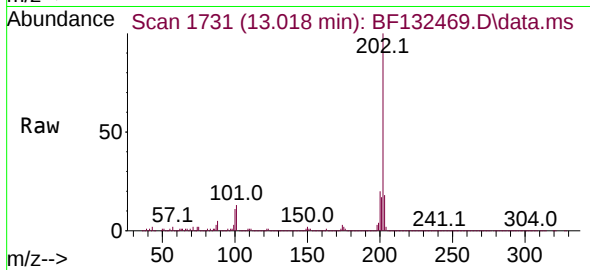
Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	25.0
203	18.0	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#79

Terphenyl-d14

Concen: 66.617 ng

RT: 13.160 min Scan# 1755

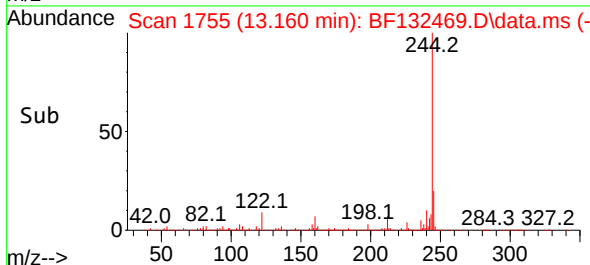
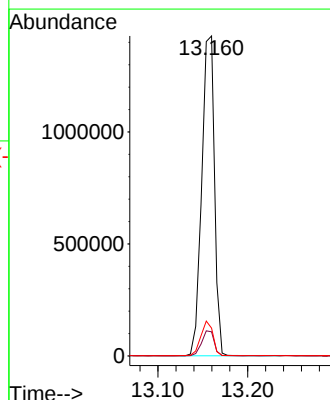
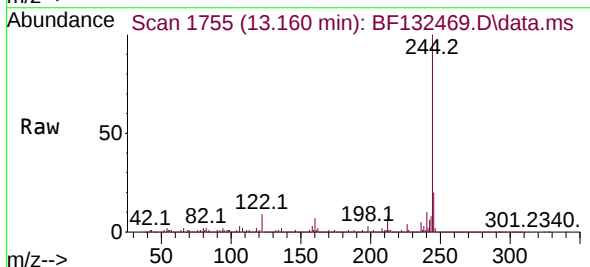
Delta R.T. -0.000 min

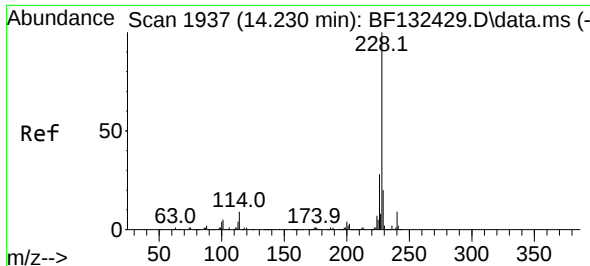
Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

Tgt Ion:244 Resp: 1409884

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.7	10.1
122	8.7	7.7	11.5





#81
Benzo(a)anthracene
Concen: 15.242 ng
RT: 14.212 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

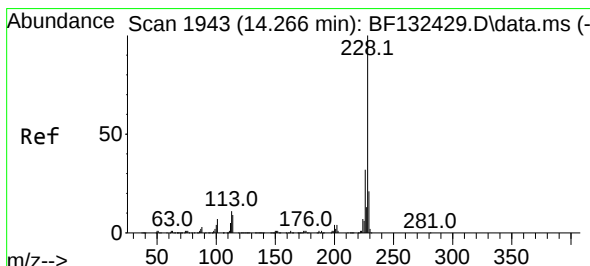
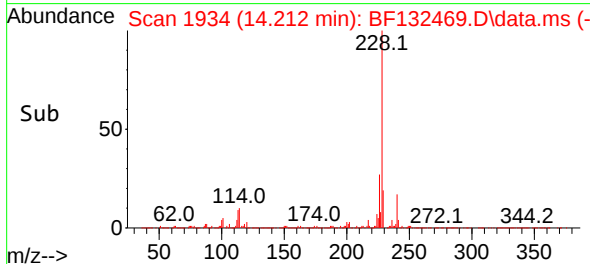
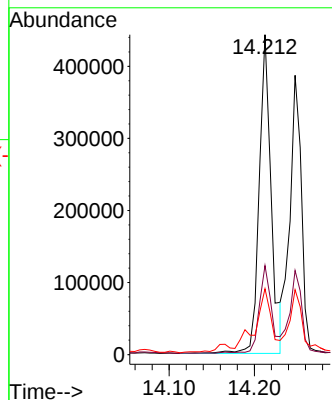
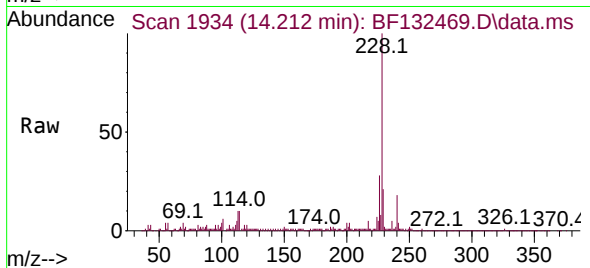
ClientSampleId :

SB-02-0-2.0

Tgt Ion:228 Resp: 430287
Ion Ratio Lower Upper
228 100
226 27.8 22.6 34.0
229 20.6 16.2 24.4

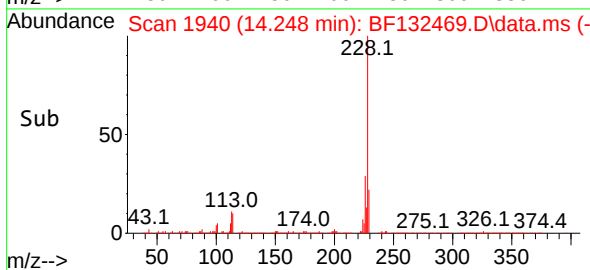
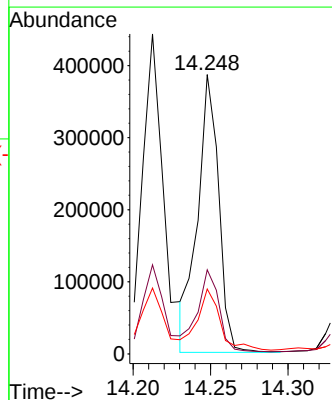
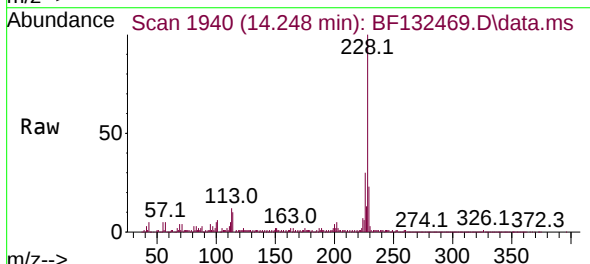
Manual Integrations
APPROVED

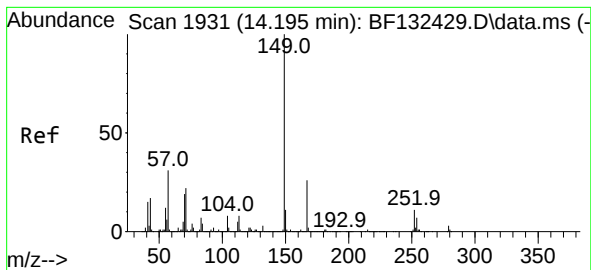
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#83
Chrysene
Concen: 13.524 ng
RT: 14.248 min Scan# 1940
Delta R.T. -0.012 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:228 Resp: 364773
Ion Ratio Lower Upper
228 100
226 30.1 25.4 38.2
229 23.3 16.6 25.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.683 ng
RT: 14.183 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

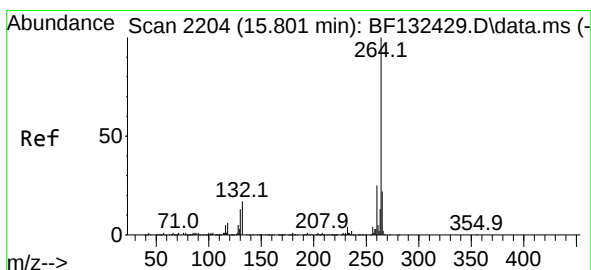
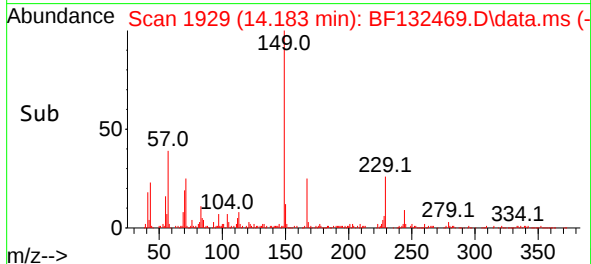
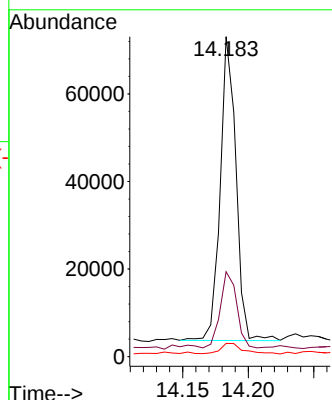
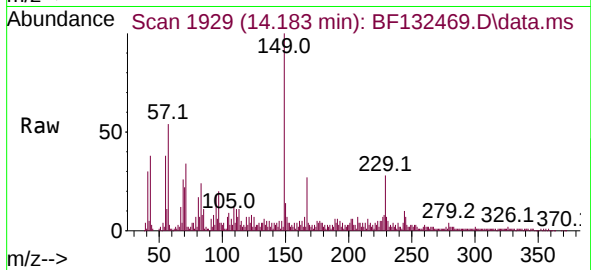
SB-02-0-2.0

Tgt Ion:149 Resp: 58248
Ion Ratio Lower Upper
149 100
167 26.5 21.0 31.6
279 4.1 2.5 3.7

Manual Integrations

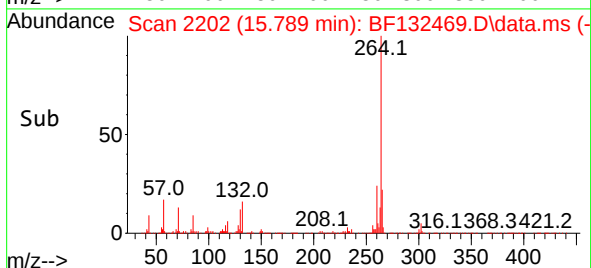
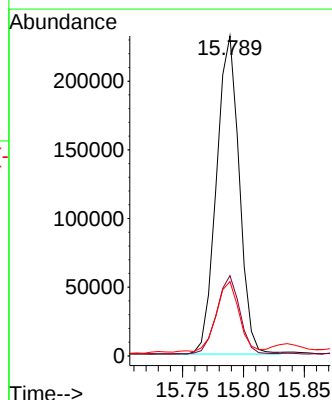
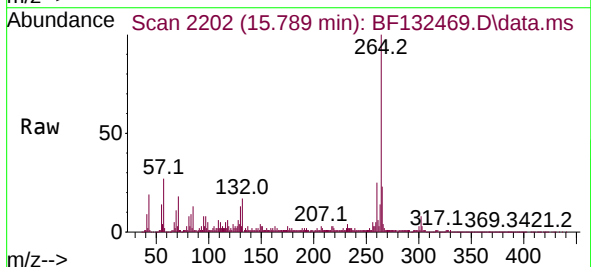
APPROVED

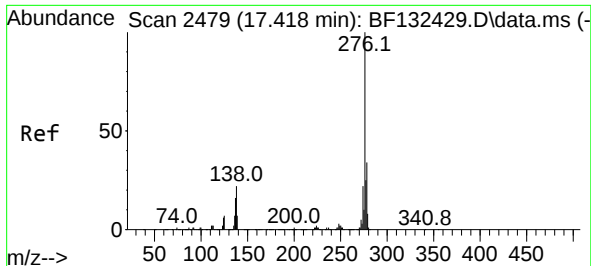
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.789 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:264 Resp: 301855
Ion Ratio Lower Upper
264 100
260 25.1 20.0 30.0
265 23.2 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.948 ng
RT: 17.395 min Scan# 2479
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

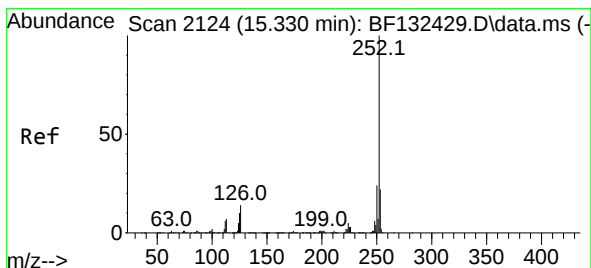
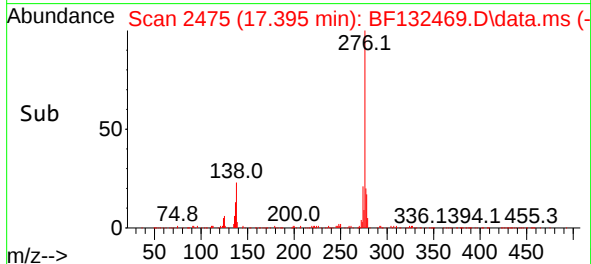
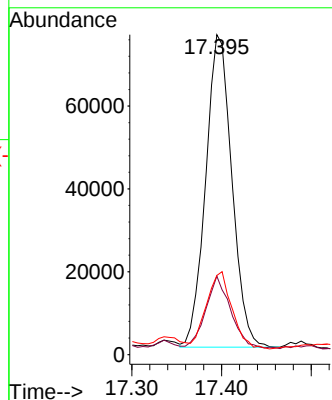
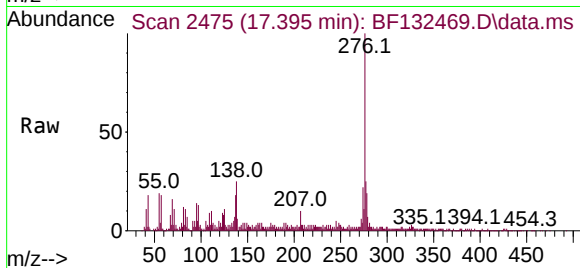
SB-02-0-2.0

Tgt Ion:276 Resp: 153352
Ion Ratio Lower Upper
276 100
138 22.6 20.2 30.4
277 24.2 20.0 30.0

Manual Integrations

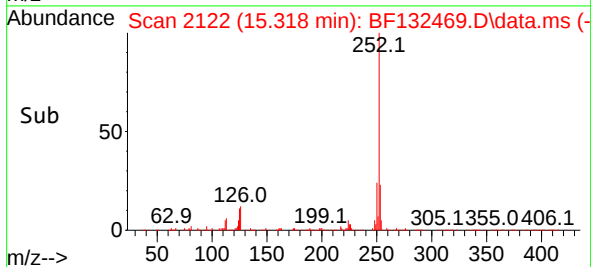
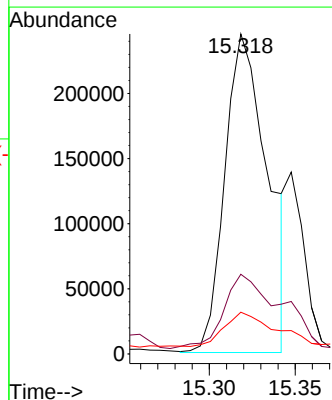
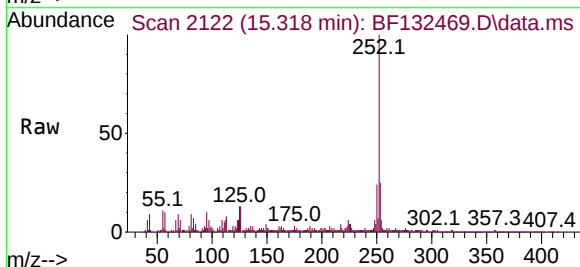
APPROVED

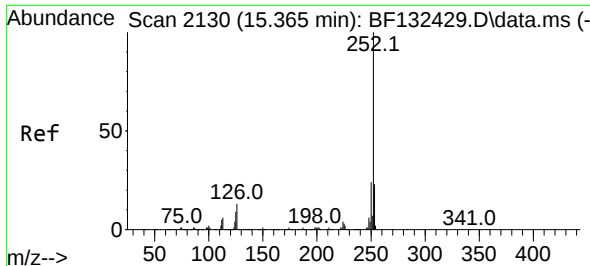
Reviewed By :Yogesh Patel 02/18/2023
Supervised By :mohammad ahmed 02/20/2023



#88
Benzo(b)fluoranthene
Concen: 21.321 ng m
RT: 15.318 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

Tgt Ion:252 Resp: 423230
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.8
125 13.0 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 5.009 ng m

RT: 15.348 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

Tgt Ion:252 Resp: 99496

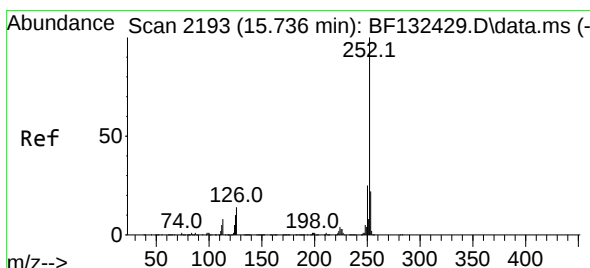
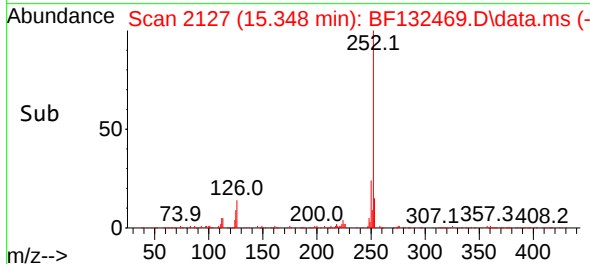
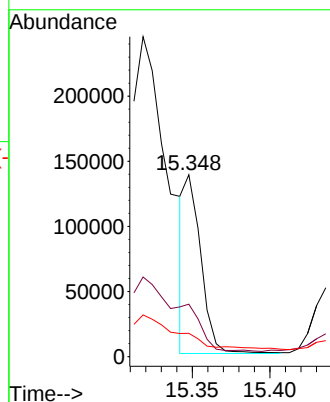
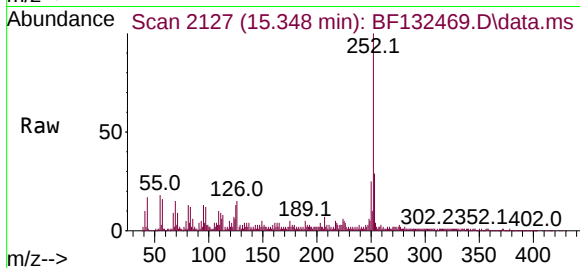
Ion	Ratio	Lower	Upper
252	100		
253	28.8	18.2	27.2
125	12.8	7.5	11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/18/2023

Supervised By :mohammad ahmed 02/20/2023



#90

Benzo(a)pyrene

Concen: 14.712 ng

RT: 15.718 min Scan# 2190

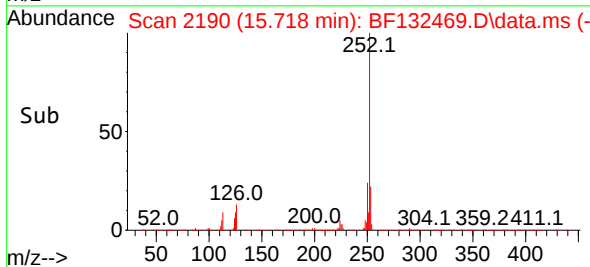
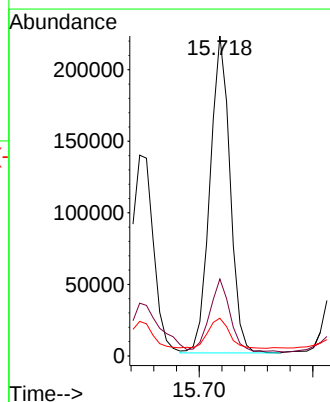
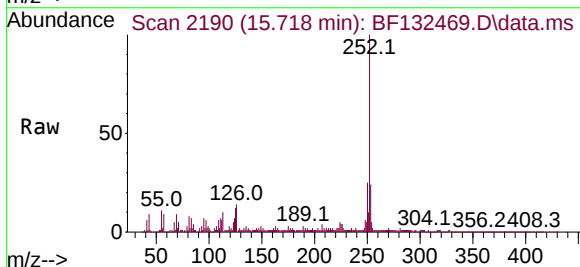
Delta R.T. -0.000 min

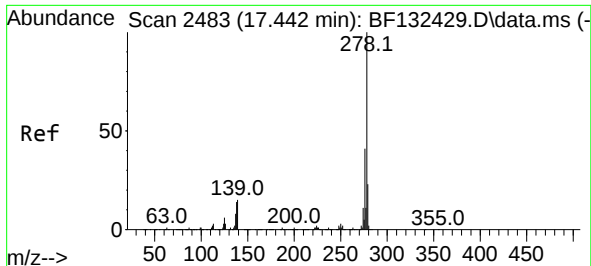
Lab File: BF132469.D

Acq: 18 Feb 2023 01:29

Tgt Ion:252 Resp: 271407

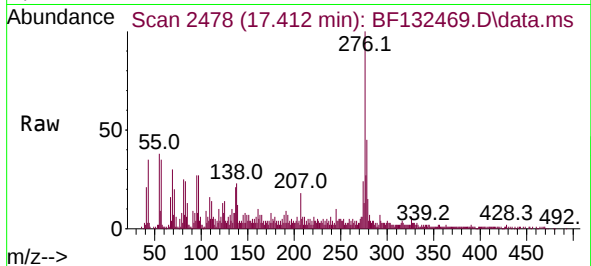
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.6	26.4
125	11.8	8.2	12.4





#91
Dibenzo(a,h)anthracene
Concen: 2.518 ng
RT: 17.412 min Scan# 2483
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29

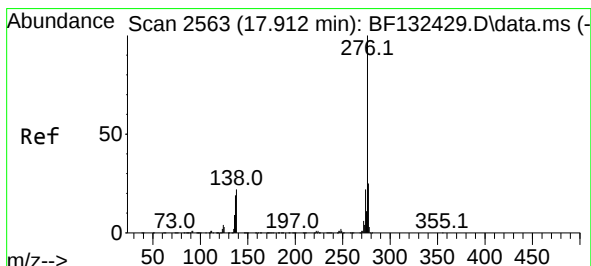
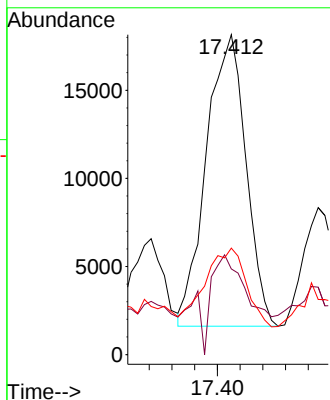
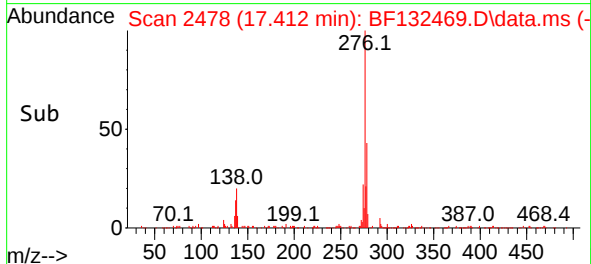
Instrument :
BNA_F
ClientSampleId :
SB-02-0-2.0



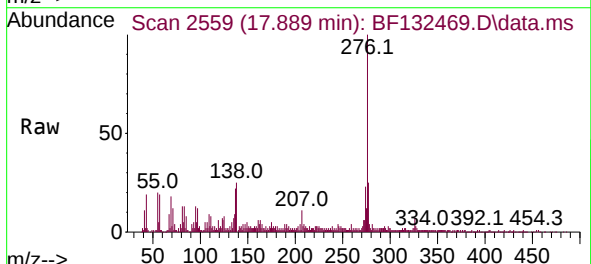
Tgt Ion:278 Resp: 40021
Ion Ratio Lower Upper
278 100
139 26.8 12.2 18.2
279 33.3 18.8 28.2

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 9.122 ng
RT: 17.889 min Scan# 2559
Delta R.T. -0.006 min
Lab File: BF132469.D
Acq: 18 Feb 2023 01:29



Tgt Ion:276 Resp: 148882
Ion Ratio Lower Upper
276 100
277 25.4 19.6 29.4
138 24.7 17.7 26.5

