

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
 Data File : BF136426.D
 Acq On : 06 Dec 2023 14:01
 Operator : CG\JU
 Sample : 05434-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023

Quant Time: Dec 06 14:35:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	113743	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	419673	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	181632	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	273432	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	252492	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	235165	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	643280	83.523	ng	0.00
7) Phenol-d6	6.434	99	763017	79.404	ng	-0.01
23) Nitrobenzene-d5	7.357	82	465115	59.914	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	159020	71.006	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	861145	64.693	ng	-0.01
79) Terphenyl-d14	12.916	244	827576	43.201	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	135111	8.990	ng	97
75) Fluoranthene	12.533	202	254377	16.151	ng	97
78) Pyrene	12.763	202	274913	11.117	ng	97
81) Benzo(a)anthracene	13.963	228	125665	7.145	ng	91
83) Chrysene	13.998	228	140559	8.123	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	51242	3.136	ng	95
88) Benzo(b)fluoranthene	15.015	252	156962m	9.762	ng	
89) Benzo(k)fluoranthene	15.045	252	49875m	3.291	ng	
90) Benzo(a)pyrene	15.386	252	97935	7.375	ng	99
92) Benzo(g,h,i)perylene	17.398	276	49425	3.598	ng	97

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

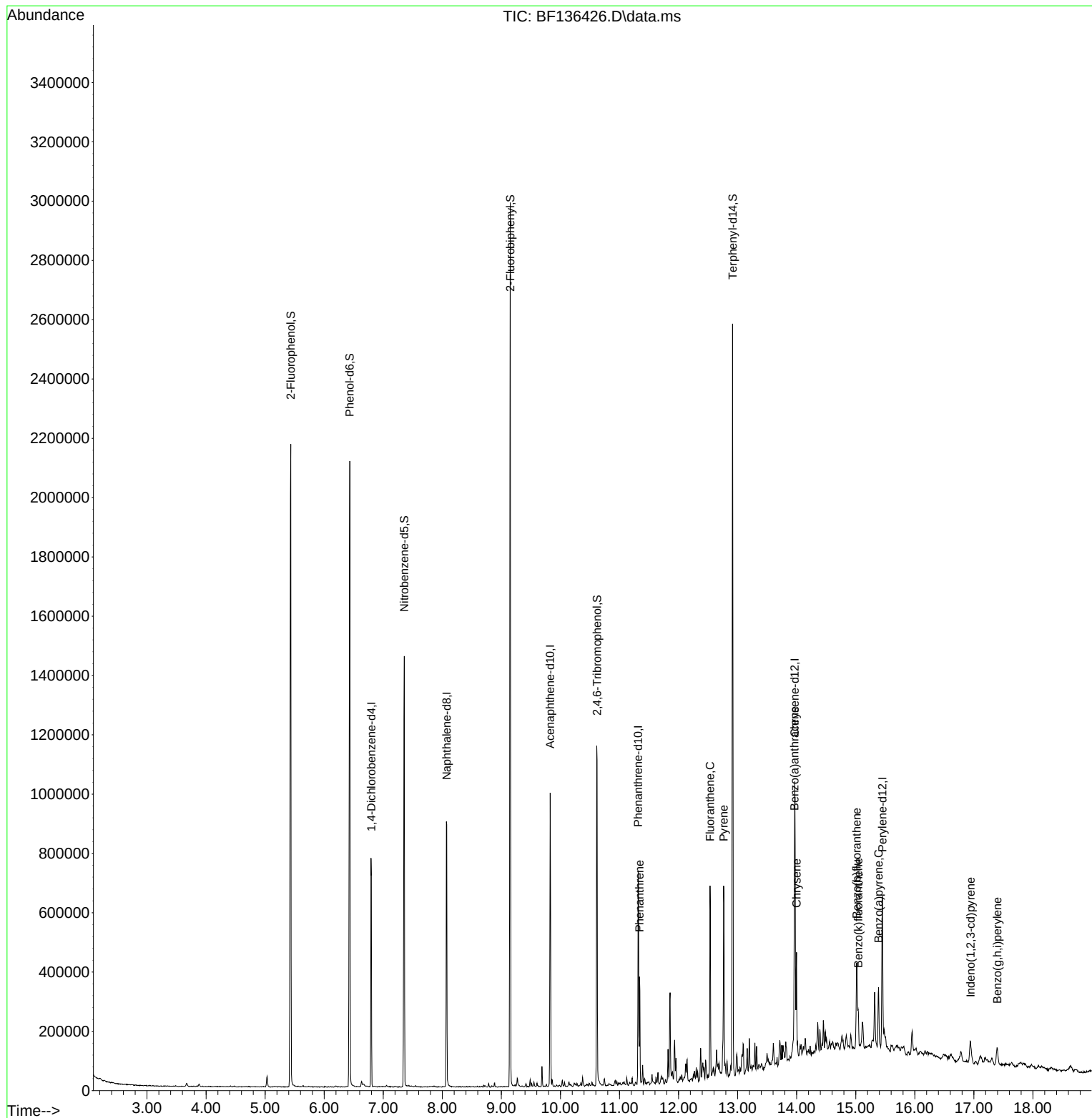
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120623\
Data File : BF136426.D
Acq On : 06 Dec 2023 14:01
Operator : CG\JU
Sample : 05434-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

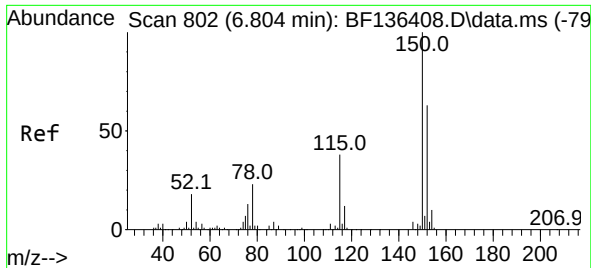
Instrument :
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COMP-4

Quant Time: Dec 06 14:35:45 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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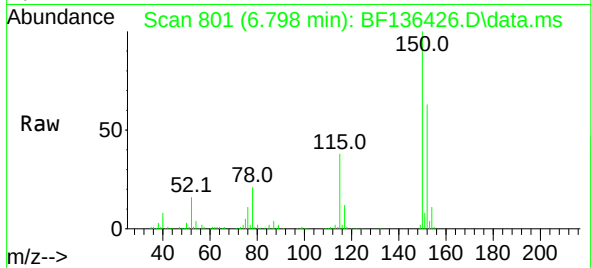
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

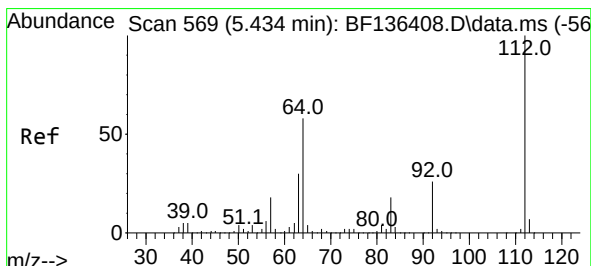
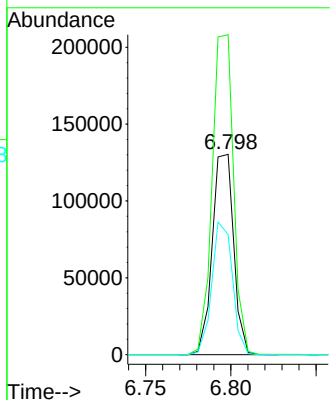
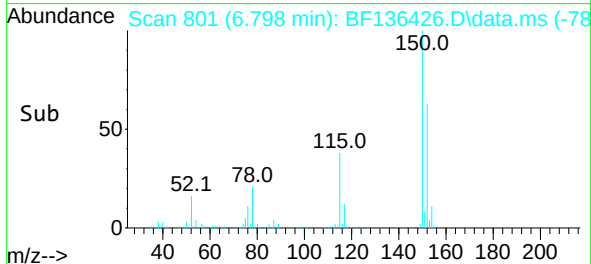
Instrument :
BNA_F
ClientSampleId :
COMP-4



Tgt Ion:152 Resp: 11374
Ion Ratio Lower Upper
152 100
150 159.7 126.4 189.6
115 60.0 48.2 72.4

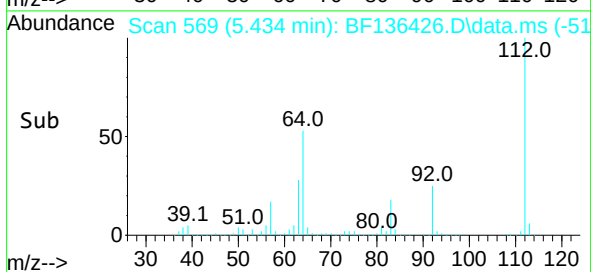
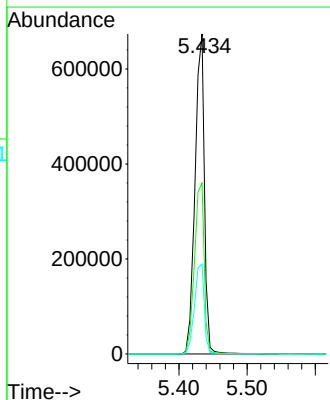
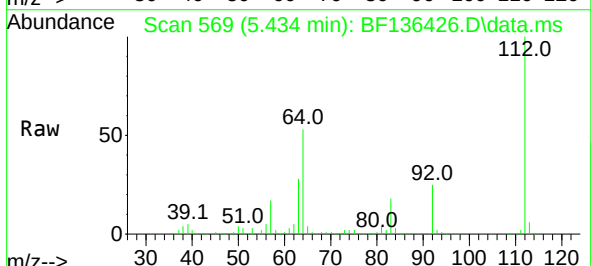
Manual Integrations
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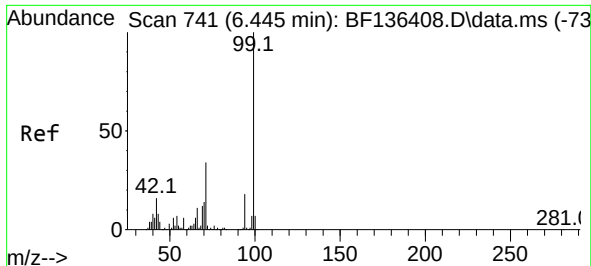
Reviewed By :Yogesh Patel 12/07/2023
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#5
2-Fluorophenol
Concen: 83.523 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.000 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

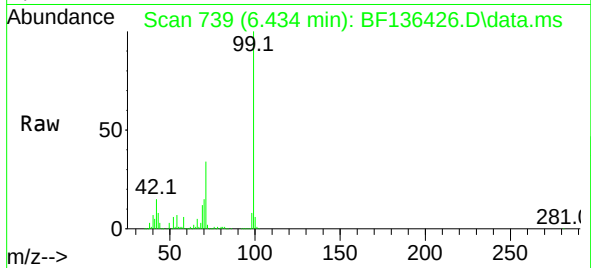
Tgt Ion:112 Resp: 643280
Ion Ratio Lower Upper
112 100
64 53.4 46.5 69.7
63 28.1 23.9 35.9





#7
Phenol-d6
Concen: 79.404 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

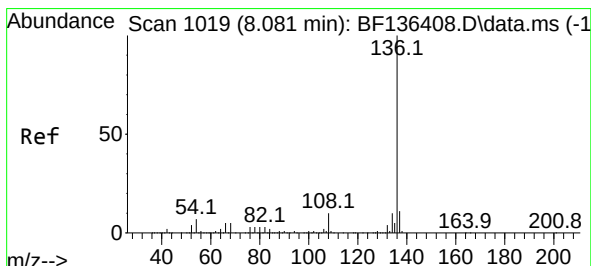
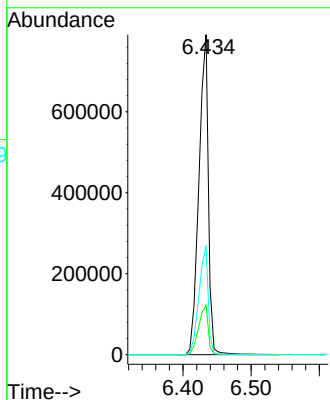
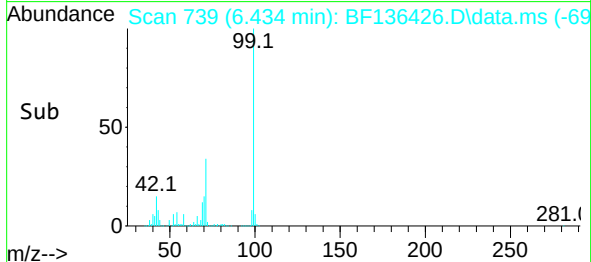
Instrument :
BNA_F
ClientSampleId :
COMP-4



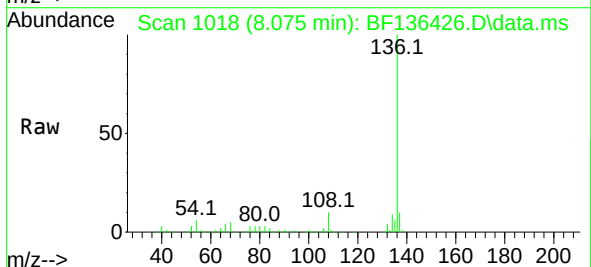
Tgt Ion: 99 Resp: 76301
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 33.7 27.0 40.4

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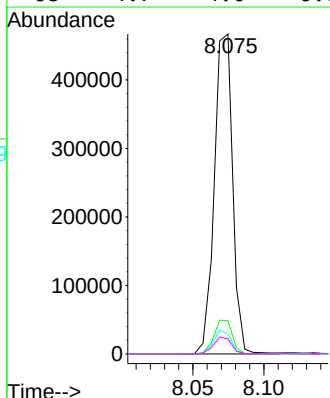
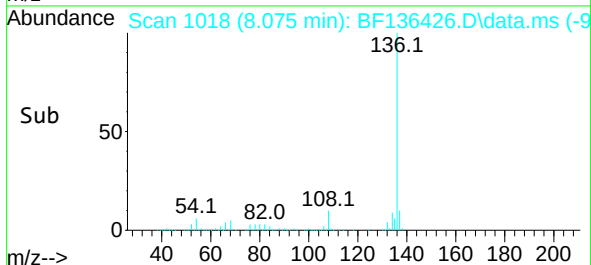
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

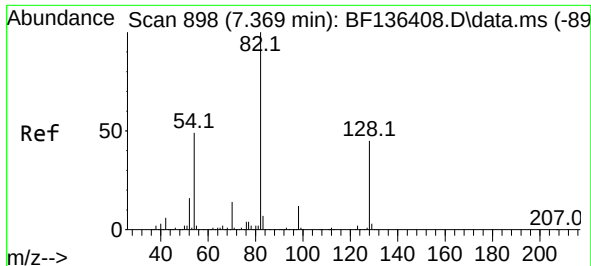


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01



Tgt Ion:136 Resp: 419673
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 6.3 5.7 8.5
68 4.7 4.0 6.0





#23

Nitrobenzene-d5

Concen: 59.914 ng

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136426.D

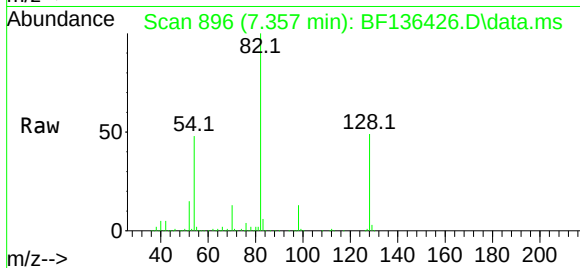
Acq: 06 Dec 2023 14:01

Instrument :

BNA_F

ClientSampleId :

COMP-4



Tgt Ion: 82 Resp: 46511

Ion Ratio Lower Upper

82 100

128 48.5 36.3 54.5

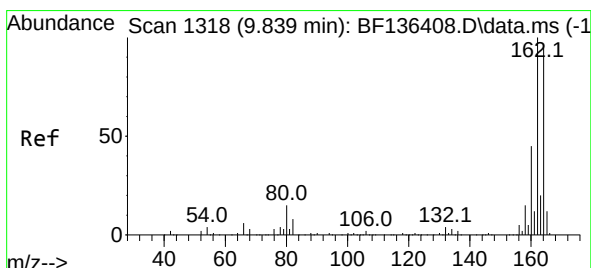
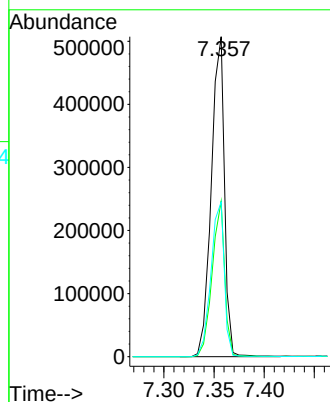
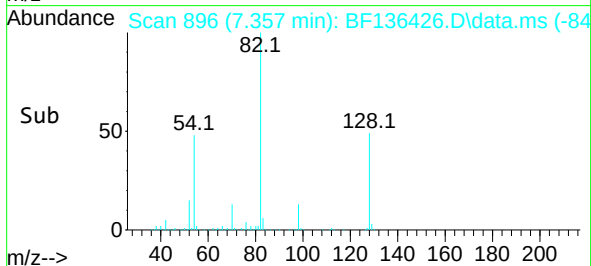
54 48.3 39.0 58.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

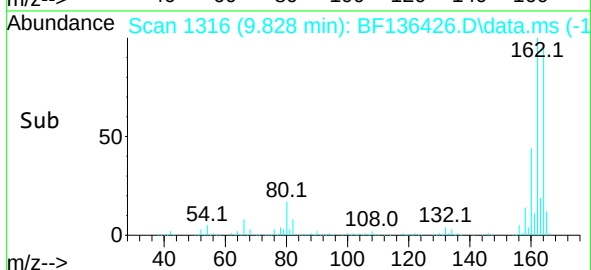
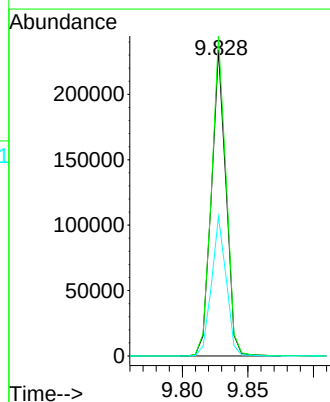
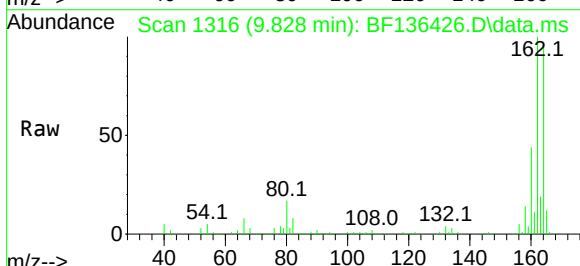
Tgt Ion:164 Resp: 181632

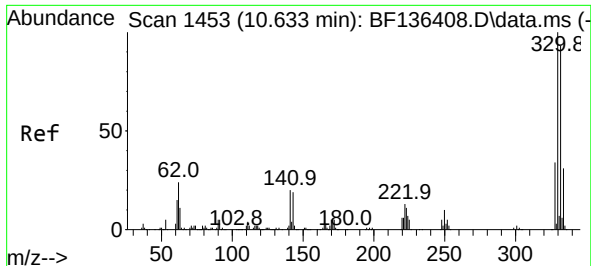
Ion Ratio Lower Upper

164 100

162 104.6 84.4 126.6

160 45.6 37.6 56.4





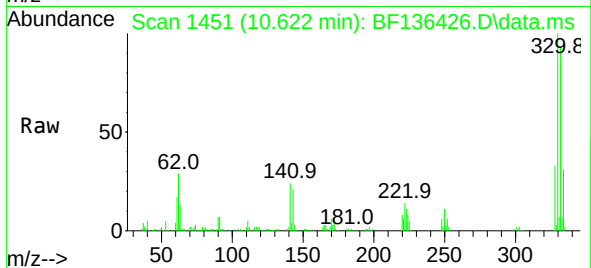
#42
2,4,6-Tribromophenol
Concen: 71.006 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

Instrument :

BNA_F

ClientSampleId :

COMP-4



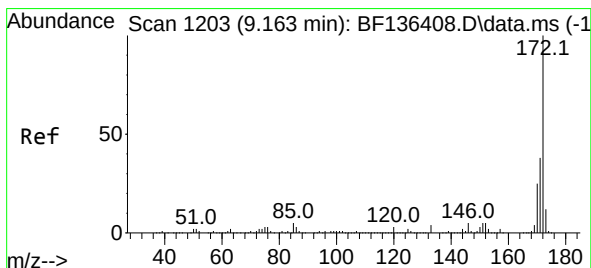
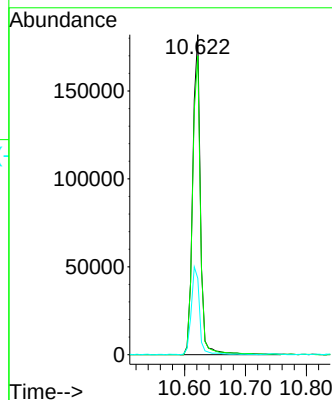
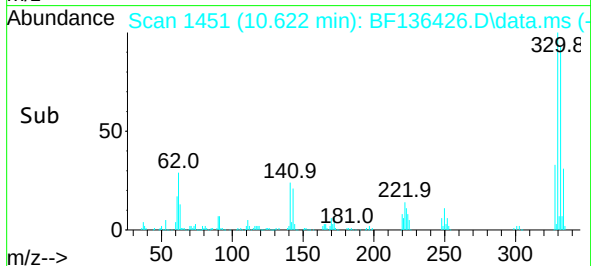
Tgt Ion:330 Resp: 159020
Ion Ratio Lower Upper
330 100
332 95.5 76.4 114.6
141 29.5 23.4 35.2

Manual Integrations

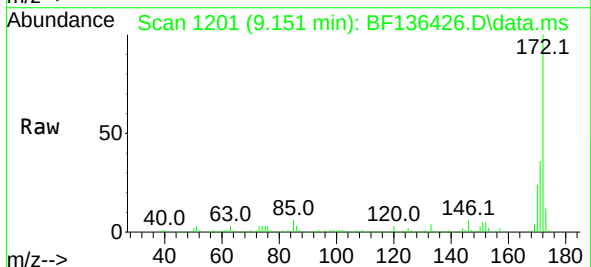
APPROVED

Reviewed By :Yogesh Patel 12/07/2023

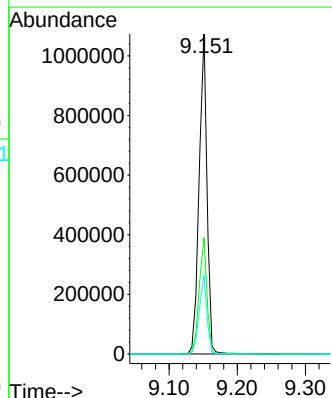
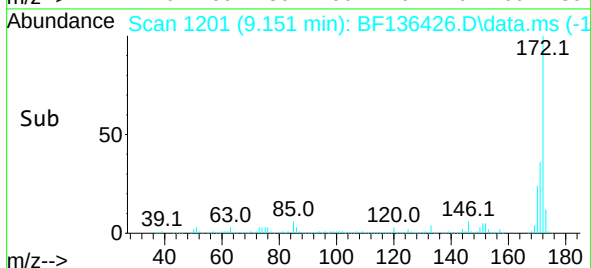
Supervised By :mohammad ahmed 12/07/2023

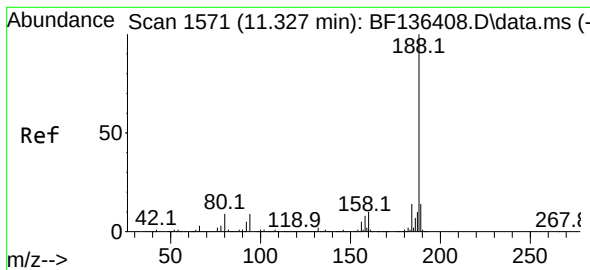


#45
2-Fluorobiphenyl
Concen: 64.693 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01



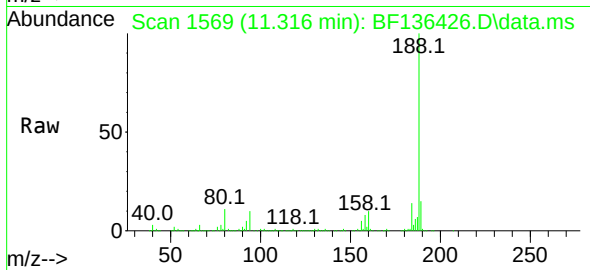
Tgt Ion:172 Resp: 861145
Ion Ratio Lower Upper
172 100
171 36.3 30.5 45.7
170 24.4 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

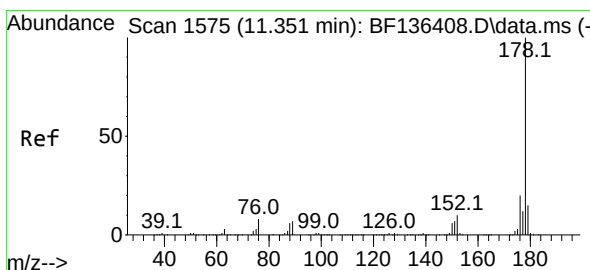
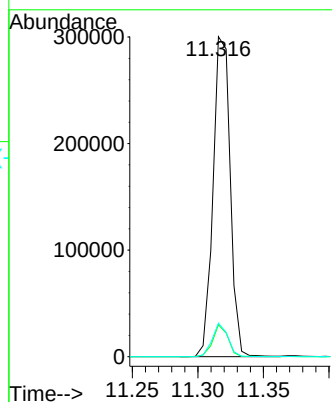
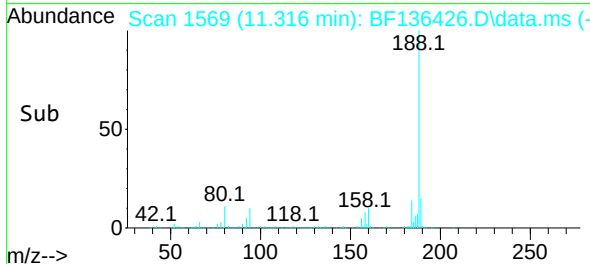
Instrument :
BNA_F
ClientSampleId :
COMP-4



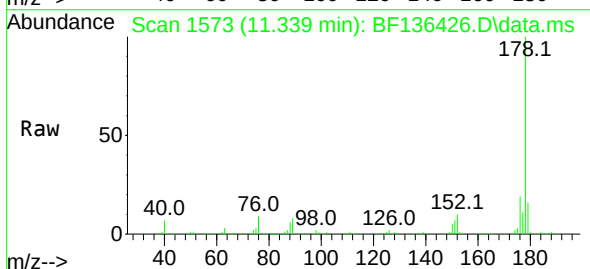
Tgt Ion:188 Resp: 27343
Ion Ratio Lower Upper
188 100
94 10.0 7.2 10.8
80 10.5 7.2 10.8

Manual Integrations
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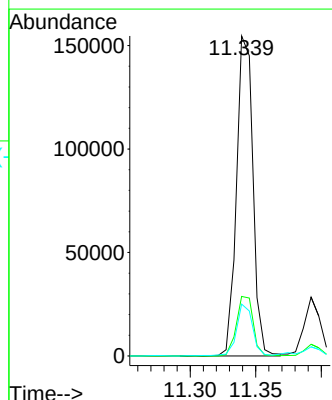
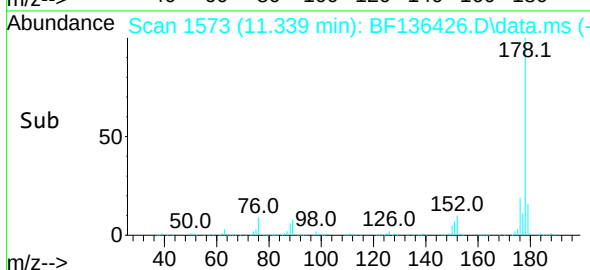
Reviewed By :Yogesh Patel 12/07/2023
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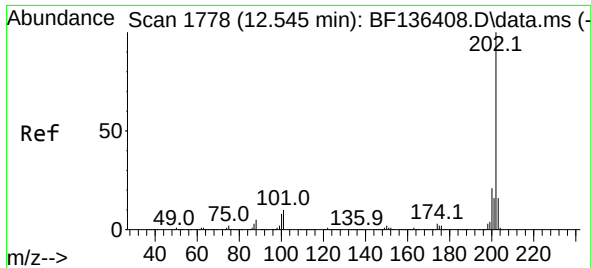


#71
Phenanthrene
Concen: 8.990 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01



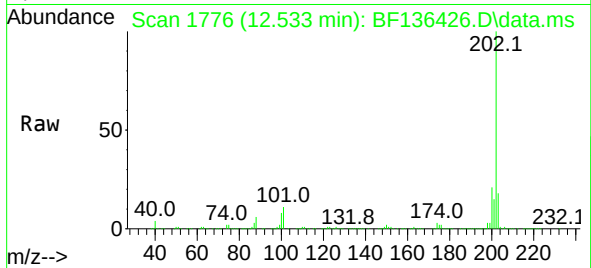
Tgt Ion:178 Resp: 135111
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 16.2 11.8 17.6





#75
Fluoranthene
Concen: 16.151 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

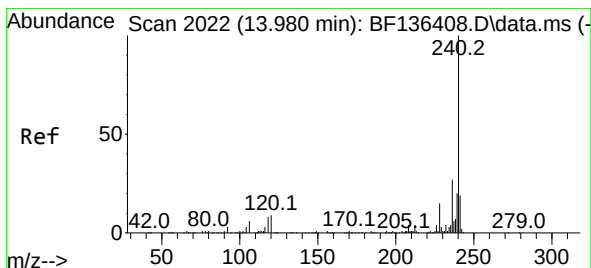
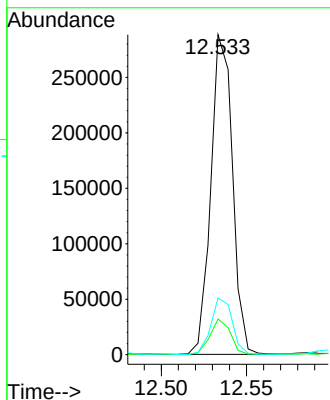
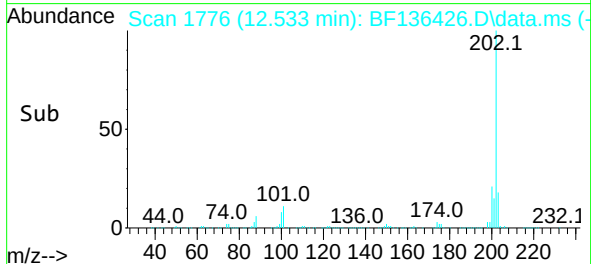
Instrument :
BNA_F
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COMP-4



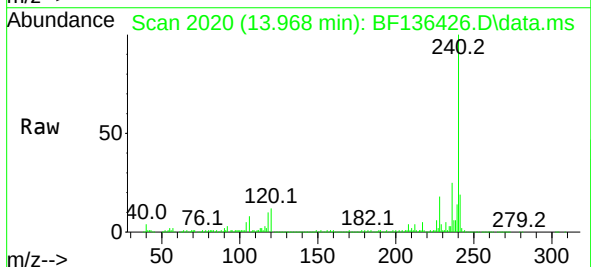
Tgt Ion:202 Resp: 25437
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.9
203 17.7 0.0 36.3

Manual Integrations
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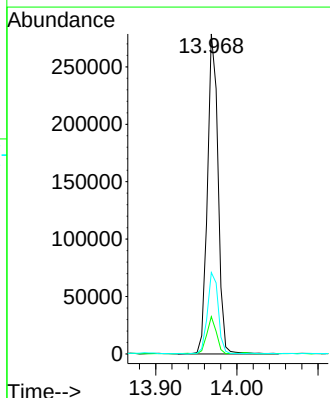
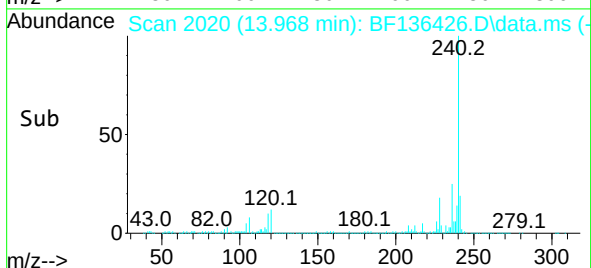
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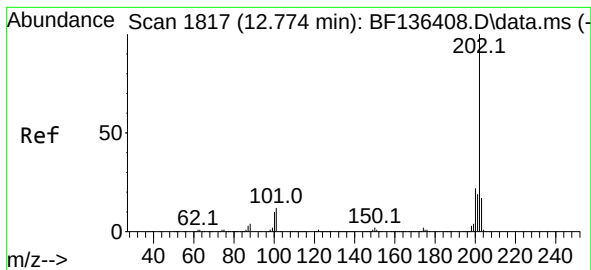


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01



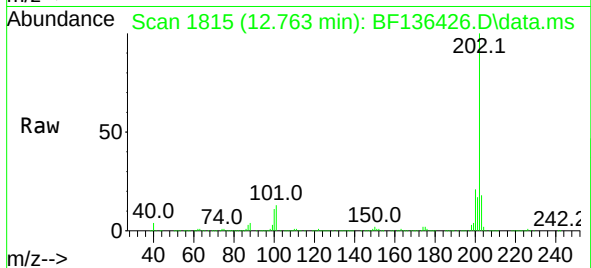
Tgt Ion:240 Resp: 252492
Ion Ratio Lower Upper
240 100
120 11.6 7.3 10.9#
236 25.5 21.3 31.9





#78
Pyrene
Concen: 11.117 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

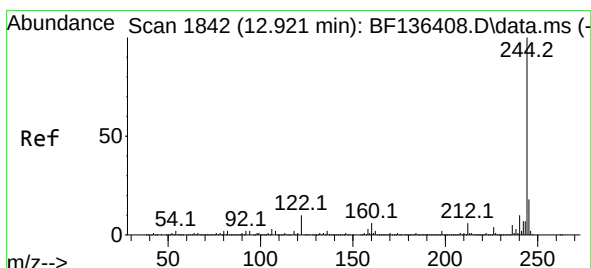
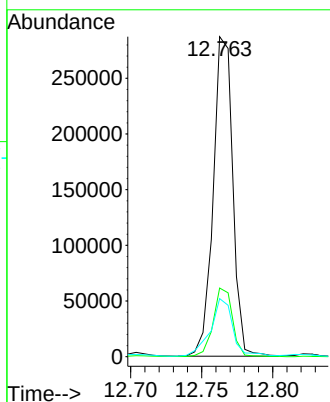
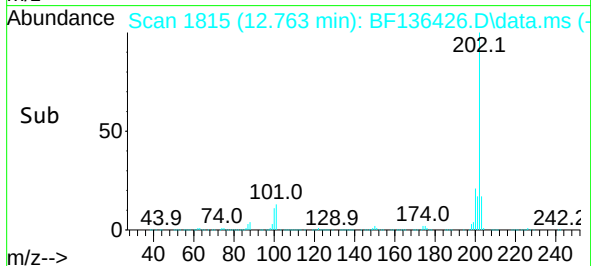
Instrument :
BNA_F
ClientSampleId :
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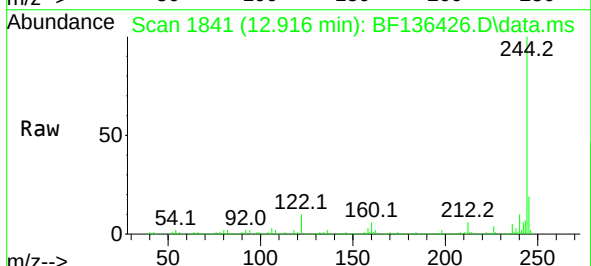
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Ion Ratio Lower Upper
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200 21.4 18.0 27.0
203 18.2 13.5 20.3

Manual Integrations
APPROVED

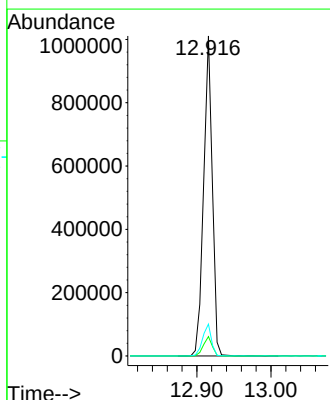
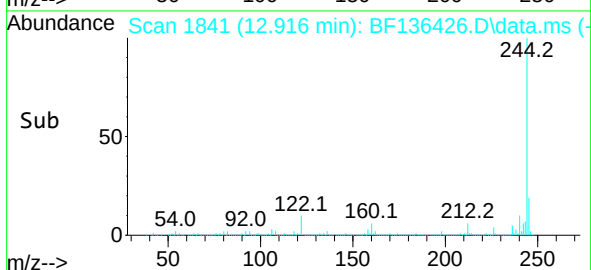
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

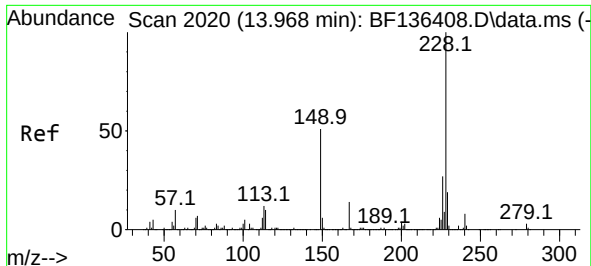


#79
Terphenyl-d14
Concen: 43.201 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01



Tgt Ion:244 Resp: 827576
Ion Ratio Lower Upper
244 100
212 6.0 5.0 7.4
122 10.0 8.3 12.5





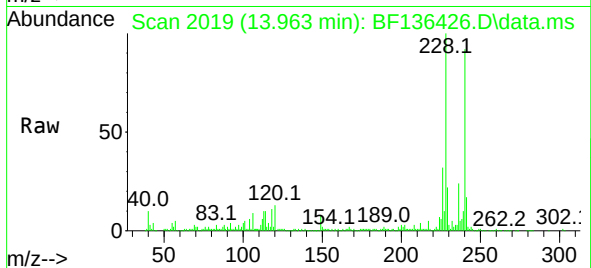
#81
Benzo(a)anthracene
Concen: 7.145 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

Instrument :

BNA_F

ClientSampleId :

COMP-4

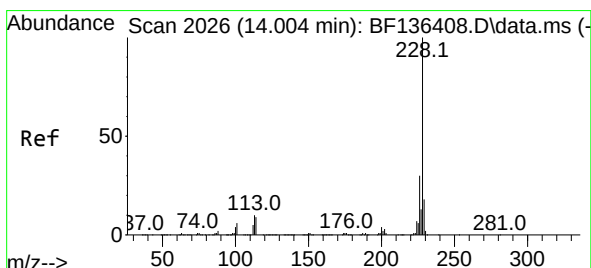
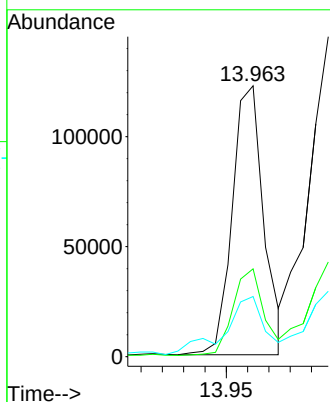
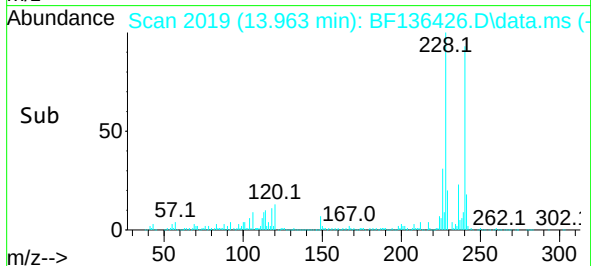


Tgt Ion:228 Resp: 12566
Ion Ratio Lower Upper
228 100
226 32.4 21.8 32.8
229 22.2 15.0 22.4

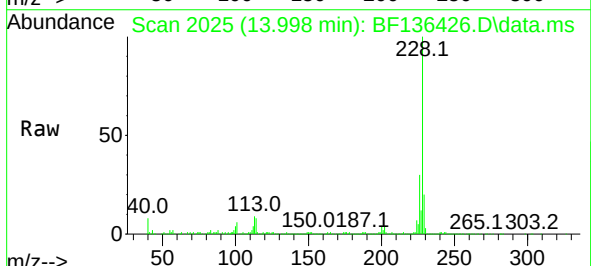
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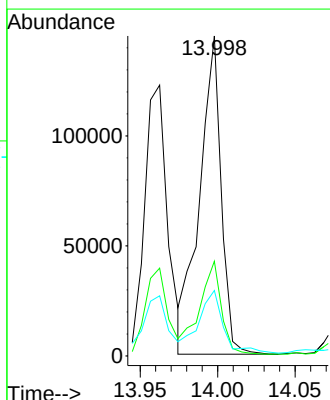
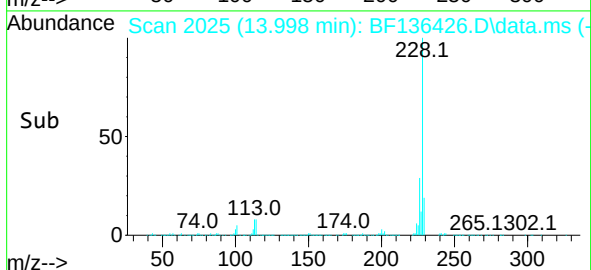
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

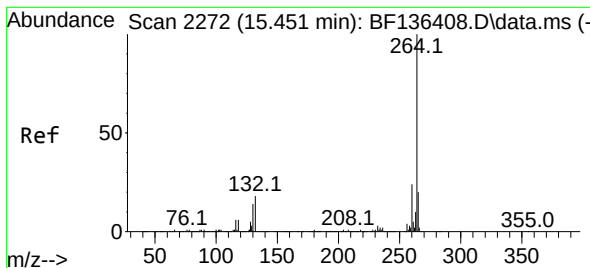


#83
Chrysene
Concen: 8.123 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01



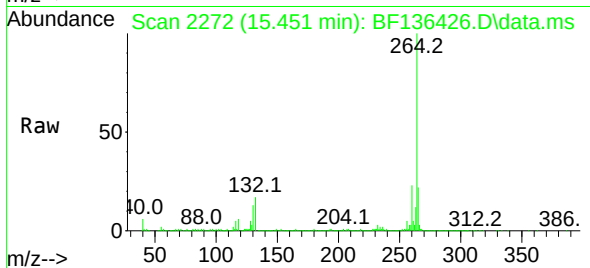
Tgt Ion:228 Resp: 140559
Ion Ratio Lower Upper
228 100
226 29.6 23.8 35.6
229 20.4 14.8 22.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

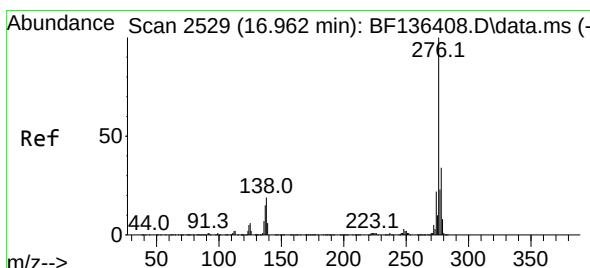
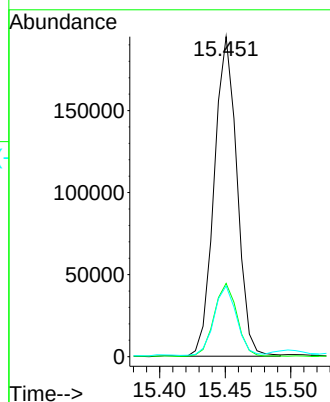
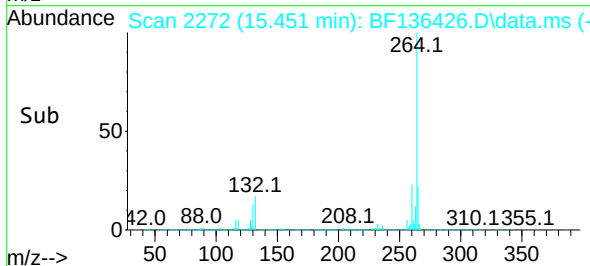
Instrument :
BNA_F
ClientSampleId :
COMP-4



Tgt Ion:264 Resp: 23516
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 22.1 15.9 23.9

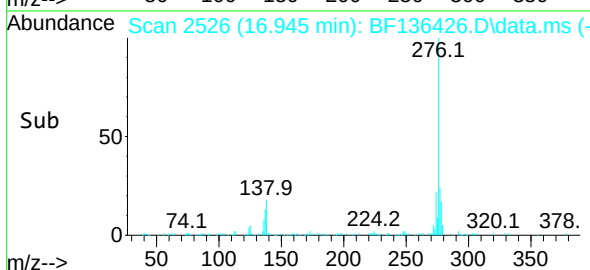
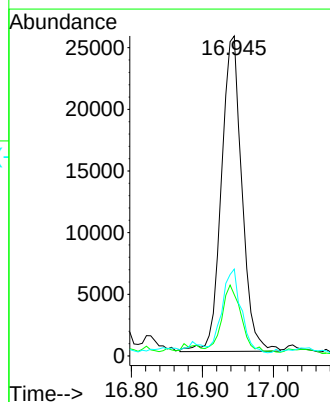
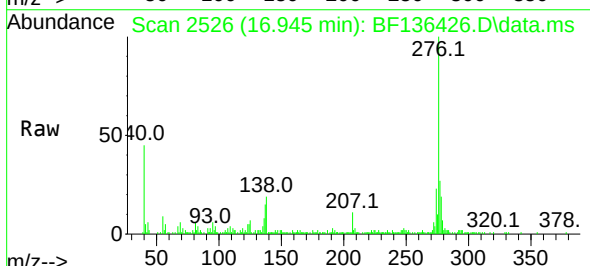
Manual Integrations
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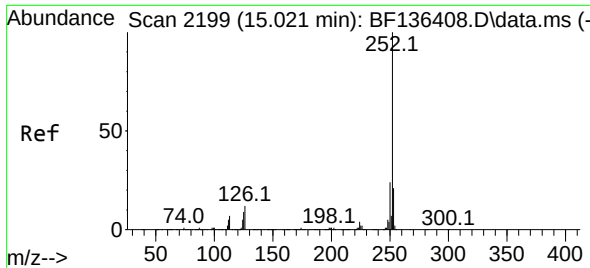
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.136 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.018 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

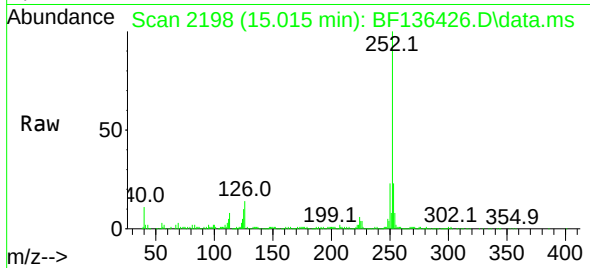
Tgt Ion:276 Resp: 51242
Ion Ratio Lower Upper
276 100
138 20.2 19.0 28.4
277 26.9 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 9.762 ng m
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01

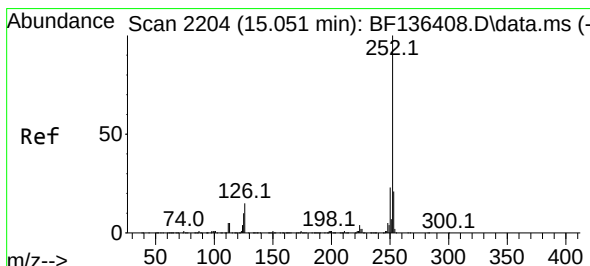
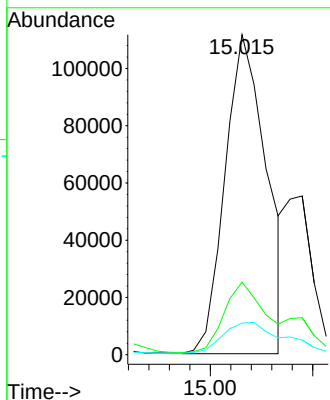
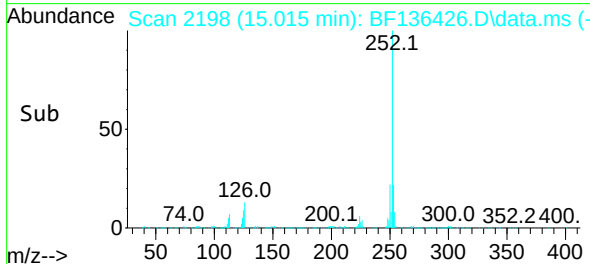
Instrument :
BNA_F
ClientSampleId :
COMP-4



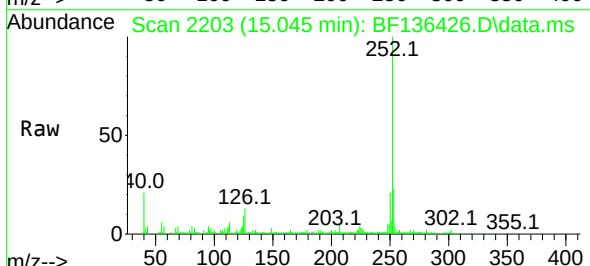
Tgt Ion:252 Resp: 15696
Ion Ratio Lower Upper
252 100
253 22.7 16.9 25.3
125 9.9 7.4 11.2

Manual Integrations
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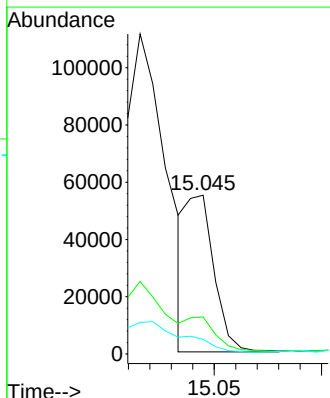
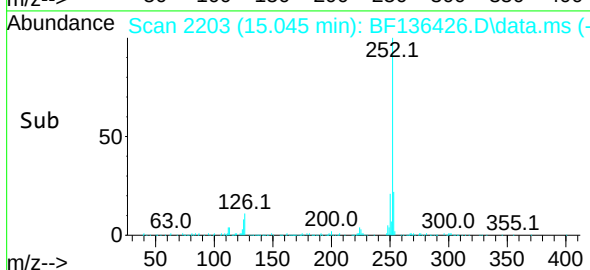
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/07/2023

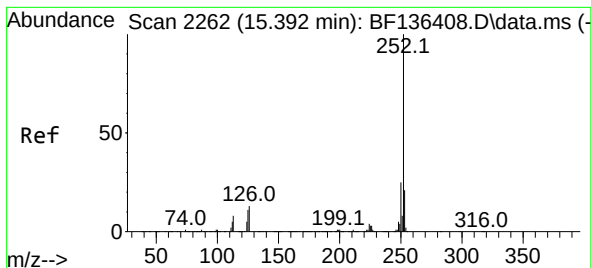


#89
Benzo(k)fluoranthene
Concen: 3.291 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF136426.D
Acq: 06 Dec 2023 14:01



Tgt Ion:252 Resp: 49875
Ion Ratio Lower Upper
252 100
253 23.3 16.9 25.3
125 9.2 7.5 11.3





#90

Benzo(a)pyrene

Concen: 7.375 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

Instrument :

BNA_F

ClientSampleId :

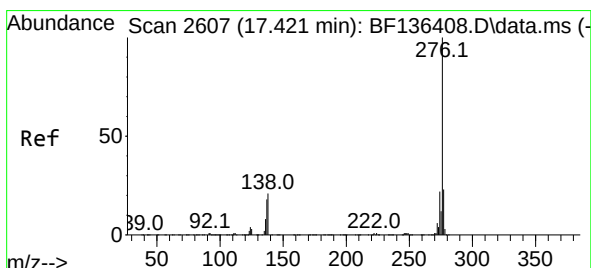
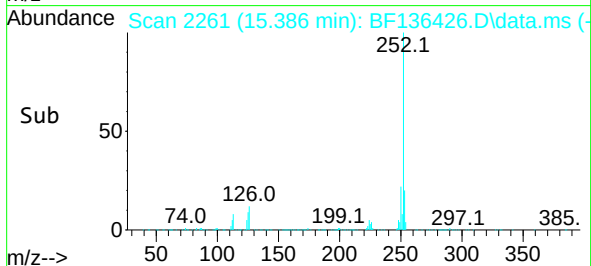
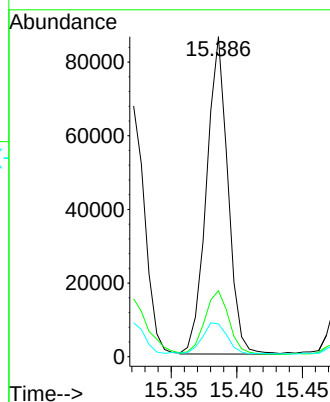
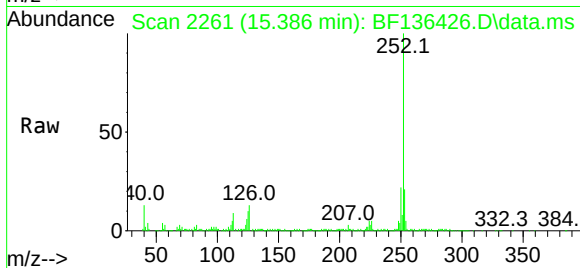
COMP-4

Tgt Ion:252 Resp: 97935
 Ion Ratio Lower Upper
 252 100
 253 20.6 17.0 25.4
 125 10.3 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/07/2023



#92

Benzo(g,h,i)perylene

Concen: 3.598 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.024 min

Lab File: BF136426.D

Acq: 06 Dec 2023 14:01

Tgt Ion:276 Resp: 49425
 Ion Ratio Lower Upper
 276 100
 277 25.5 18.7 28.1
 138 19.9 16.6 25.0

