

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136365.D
 Acq On : 02 Dec 2023 07:20
 Operator : CG\JU
 Sample : 05521-07
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 03 07:22:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	116115	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	387475	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	140258	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	258016	20.000	ng	0.00
76) Chrysene-d12	13.980	240	254756	20.000	ng	#-0.01
86) Perylene-d12	15.468	264	200426	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	577876	69.269	ng	0.00
7) Phenol-d6	6.440	99	646997	62.025	ng	0.00
23) Nitrobenzene-d5	7.363	82	368640	50.275	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	117087	68.281	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	559141	50.920	ng	-0.01
79) Terphenyl-d14	12.927	244	710977	32.192	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	49909	3.442	ng	97
75) Fluoranthene	12.545	202	123434	8.385	ng	94
78) Pyrene	12.774	202	153325m	5.495	ng	
81) Benzo(a)anthracene	13.974	228	64561	3.412	ng	98
83) Chrysene	14.010	228	62935m	3.445	ng	
87) Indeno(1,2,3-cd)pyrene	16.962	276	15973	3.686	ng	# 91
88) Benzo(b)fluoranthene	15.027	252	58447m	4.157	ng	
90) Benzo(a)pyrene	15.398	252	31715	2.759	ng	# 91
91) Dibenzo(a,h)anthracene	16.980	278	8083m	3.348	ng	
92) Benzo(g,h,i)perylene	17.421	276	15572	3.140	ng	97

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

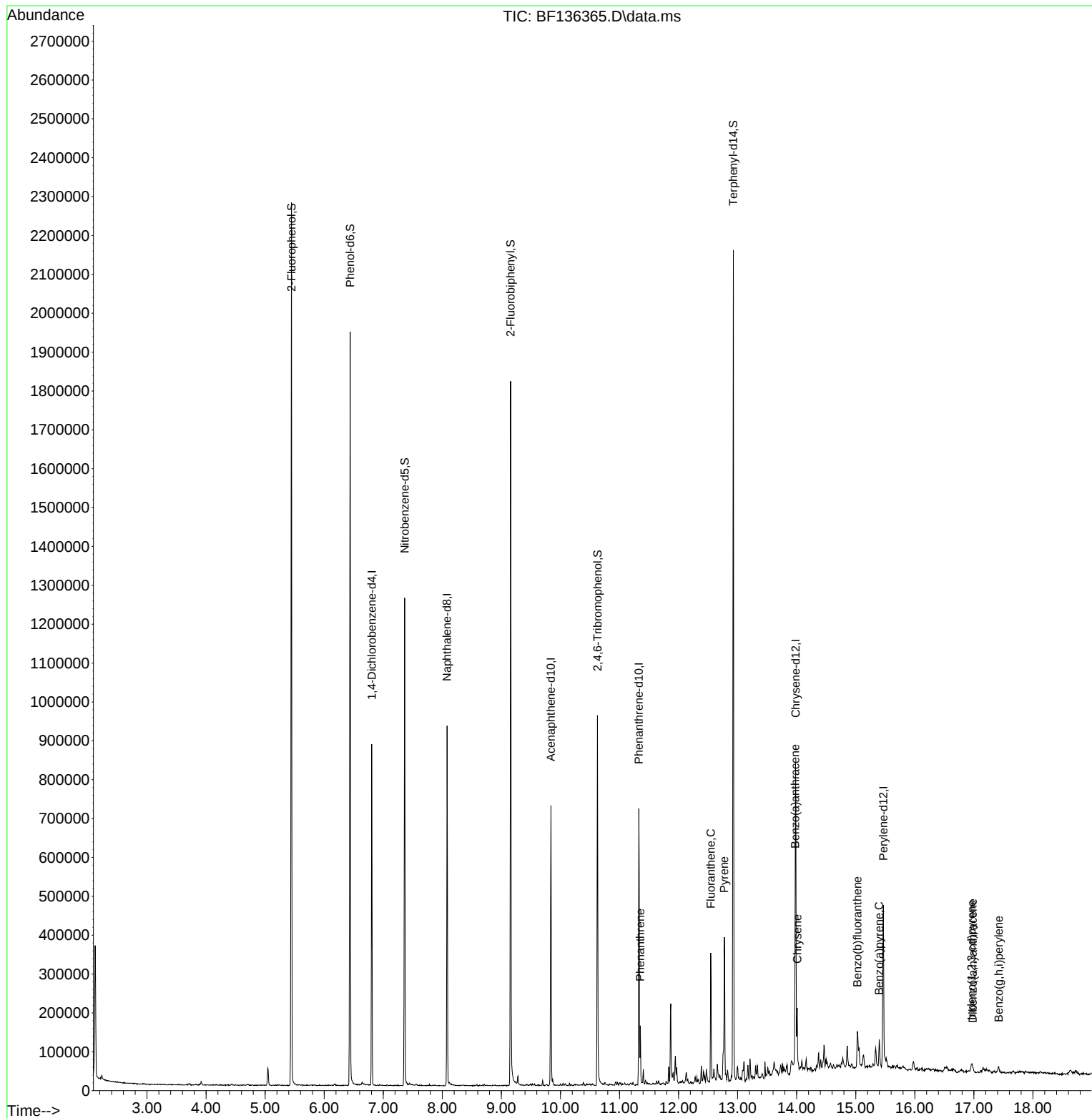
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
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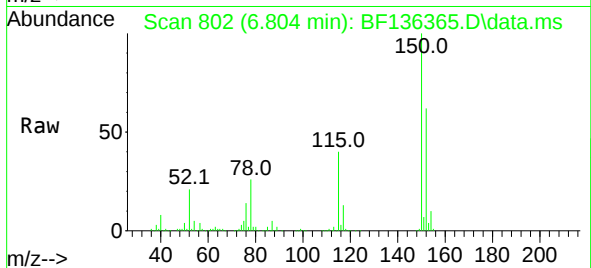
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

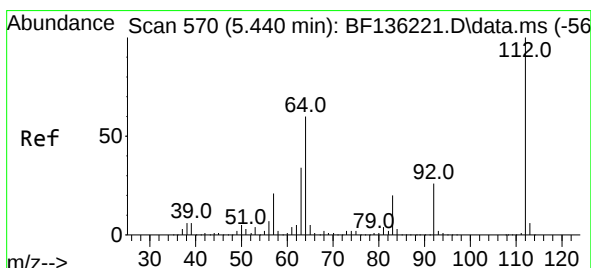
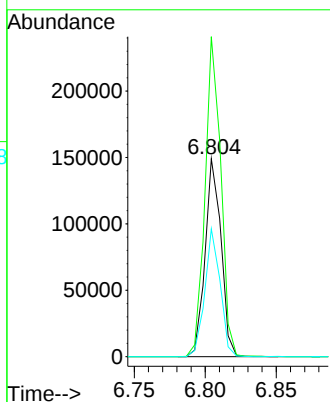
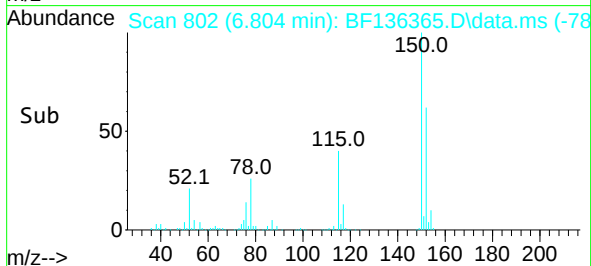


Tgt Ion:152 Resp: 116111
Ion Ratio Lower Upper
152 100
150 161.7 137.8 206.8
115 64.6 52.7 79.1

Manual Integrations

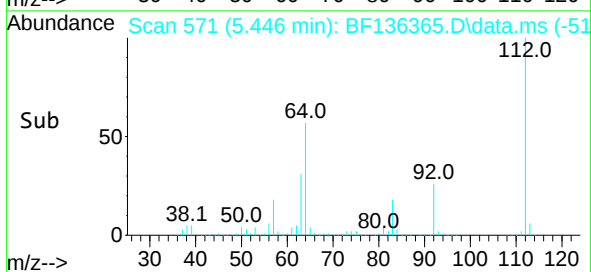
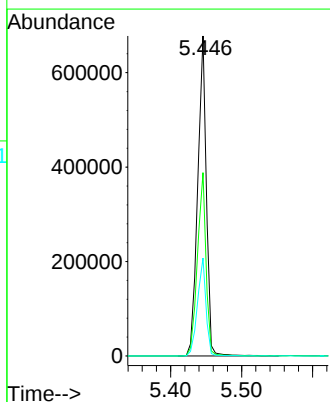
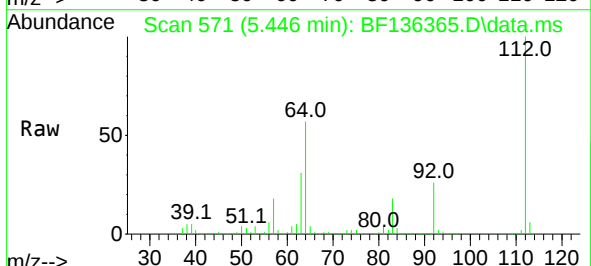
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#5
2-Fluorophenol
Concen: 69.269 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

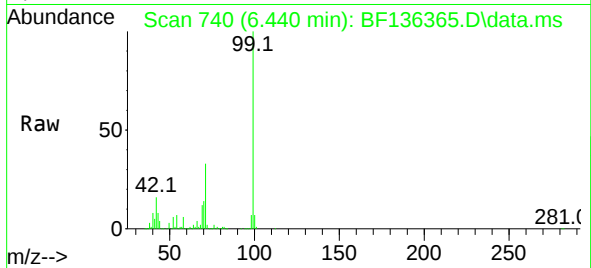
Tgt Ion:112 Resp: 577876
Ion Ratio Lower Upper
112 100
64 57.3 48.2 72.4
63 30.6 27.0 40.6





#7
Phenol-d6
Concen: 62.025 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

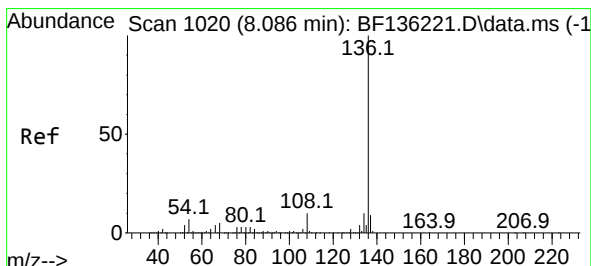
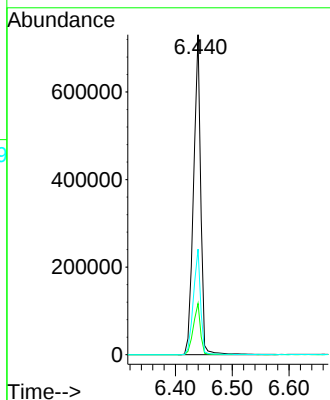
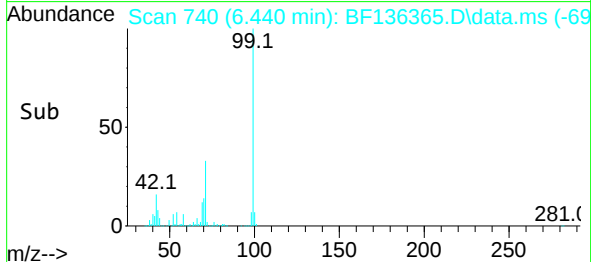
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP



Tgt Ion: 99 Resp: 64699
Ion Ratio Lower Upper
99 100
42 16.0 15.0 22.6
71 33.0 28.9 43.3

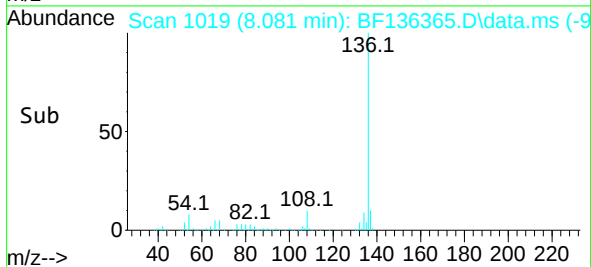
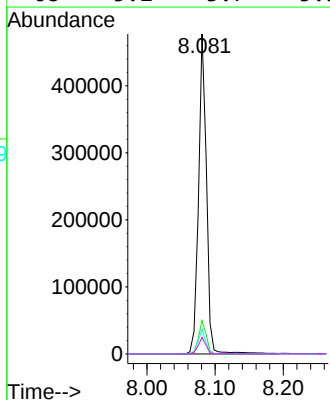
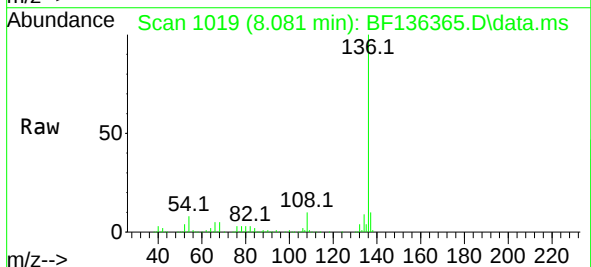
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Supervised By :mohammad ahmed 12/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion:136 Resp: 387475
Ion Ratio Lower Upper
136 100
137 10.5 7.4 11.2
54 7.8 5.5 8.3
68 5.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 50.275 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

Tgt Ion: 82 Resp: 368640

Ion Ratio Lower Upper

82 100

128 44.0 33.4 50.2

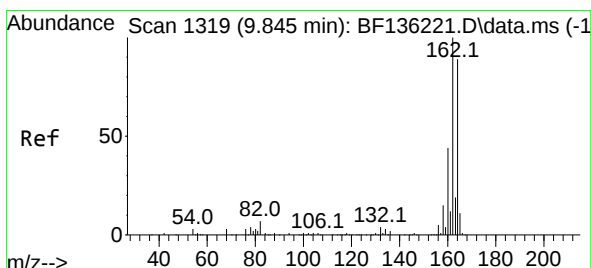
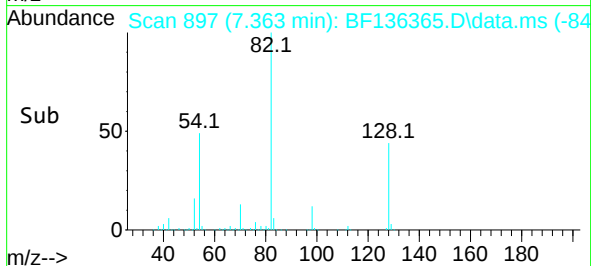
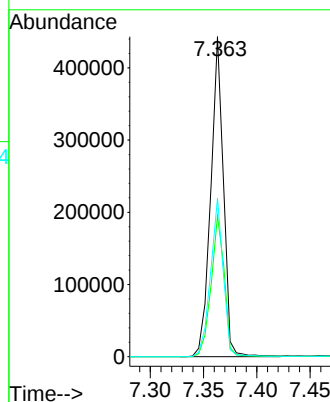
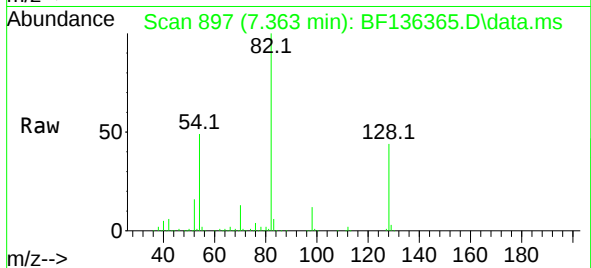
54 49.5 41.7 62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.006 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

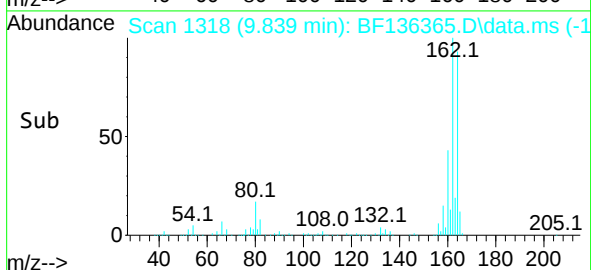
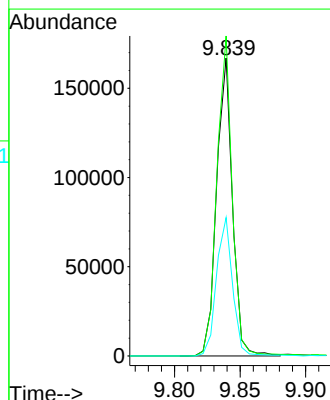
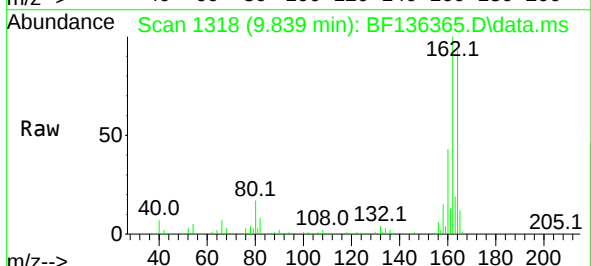
Tgt Ion:164 Resp: 140258

Ion Ratio Lower Upper

164 100

162 107.4 89.5 134.3

160 46.5 39.6 59.4





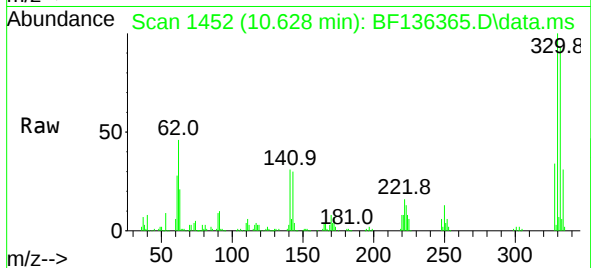
#42
2,4,6-Tribromophenol
Concen: 68.281 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

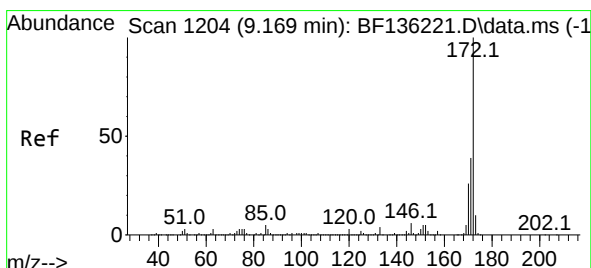
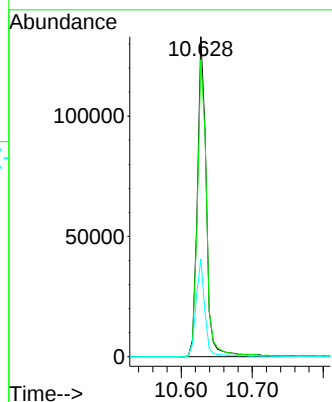
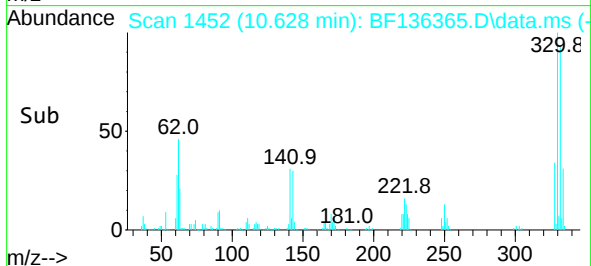


Tgt Ion:330 Resp: 11708
Ion Ratio Lower Upper
330 100
332 96.2 73.0 109.6
141 30.8 24.2 36.2

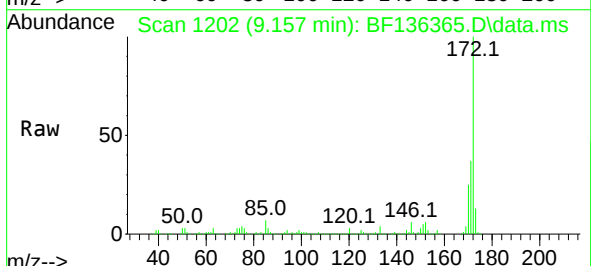
Manual Integrations

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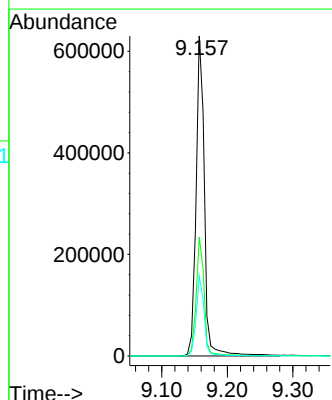
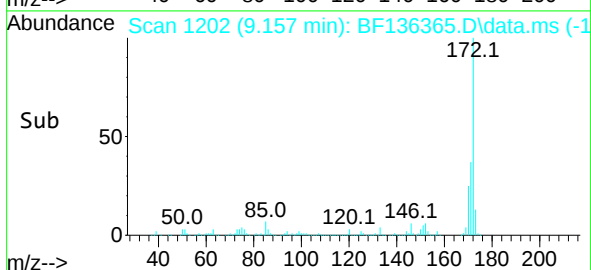
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#45
2-Fluorobiphenyl
Concen: 50.920 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20



Tgt Ion:172 Resp: 559141
Ion Ratio Lower Upper
172 100
171 37.2 31.5 47.3
170 24.9 20.8 31.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

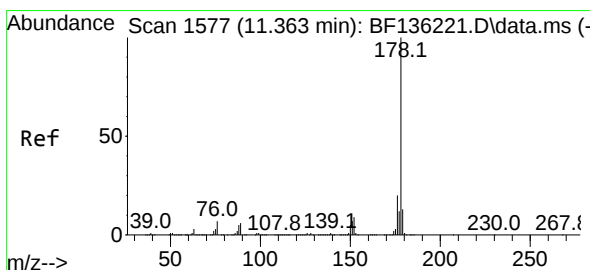
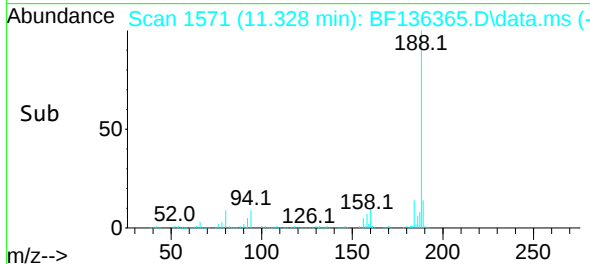
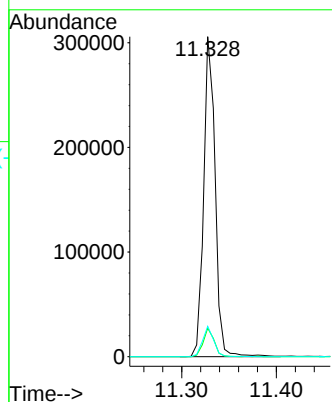
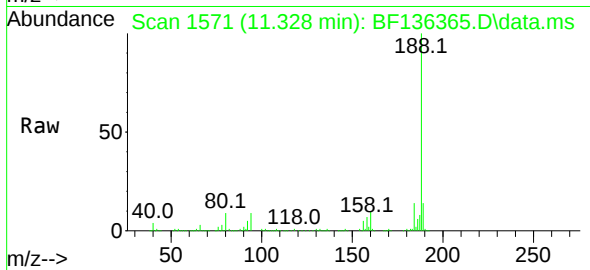
SP-3-COMP

Tgt Ion:188 Resp: 258010
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 9.5 7.2 10.8

Manual Integrations

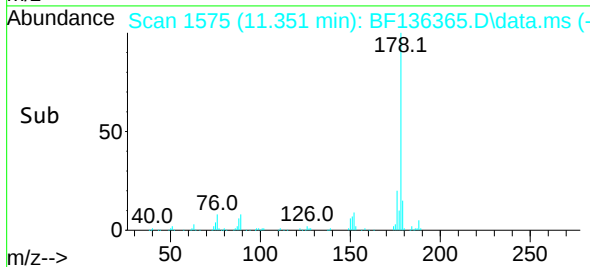
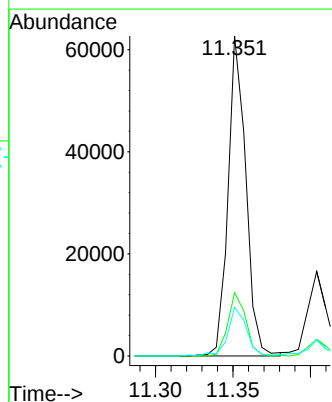
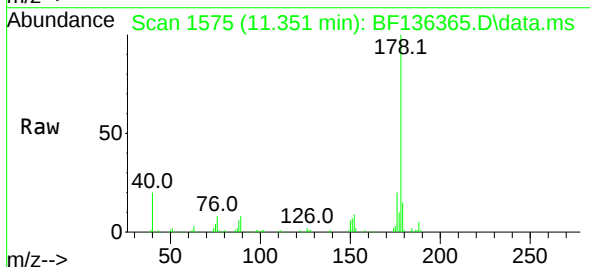
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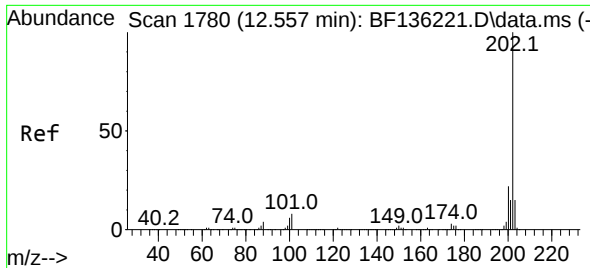
Reviewed By :Yogesh Patel 12/04/2023
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#71
Phenanthrene
Concen: 3.442 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

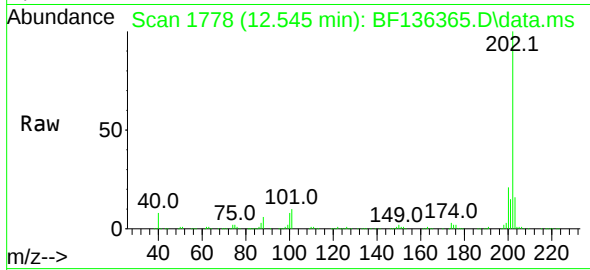
Tgt Ion:178 Resp: 49909
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.1 10.3 15.5





#75
Fluoranthene
Concen: 8.385 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

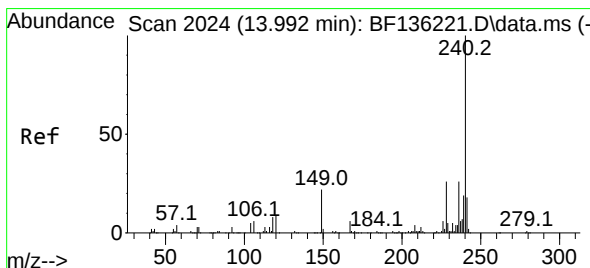
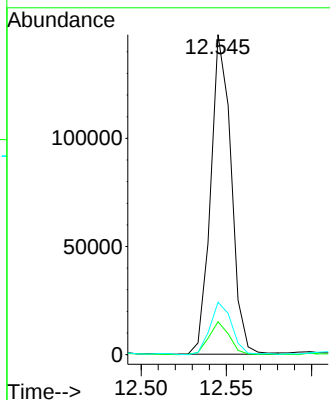
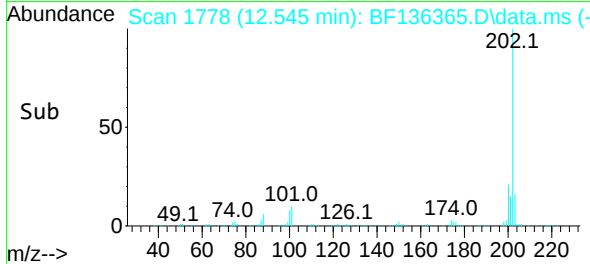
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP



Tgt Ion:202 Resp: 123434
Ion Ratio Lower Upper
202 100
101 10.3 0.0 27.8
203 16.4 0.0 34.5

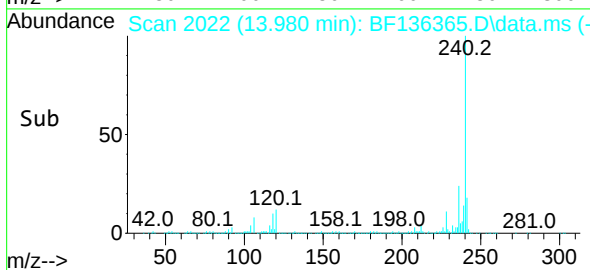
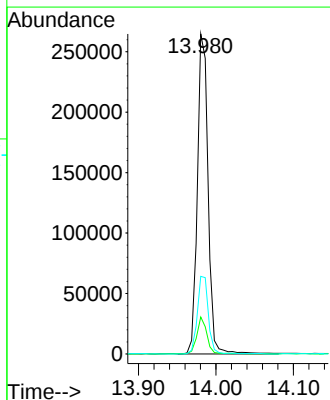
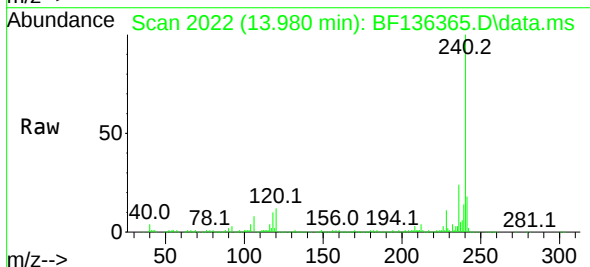
Manual Integrations
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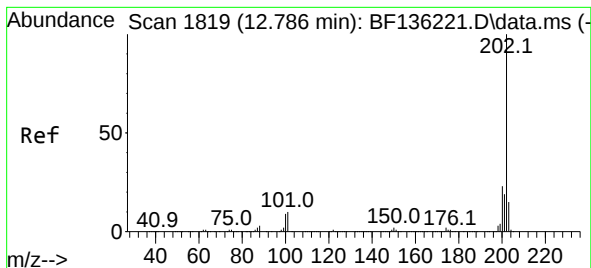
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion:240 Resp: 254756
Ion Ratio Lower Upper
240 100
120 11.6 7.4 11.2#
236 24.3 21.1 31.7





#78

Pyrene

Concen: 5.495 ng m

RT: 12.774 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

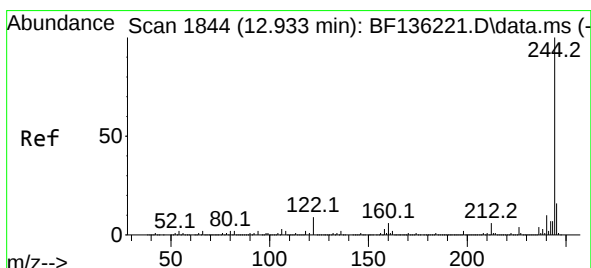
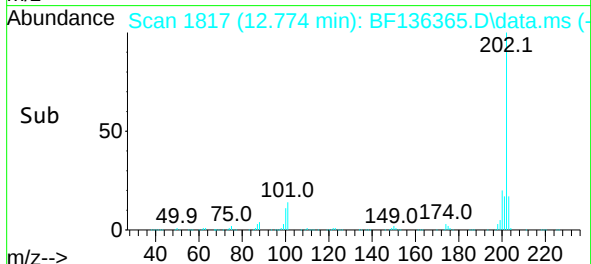
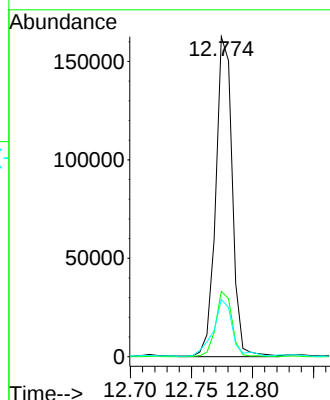
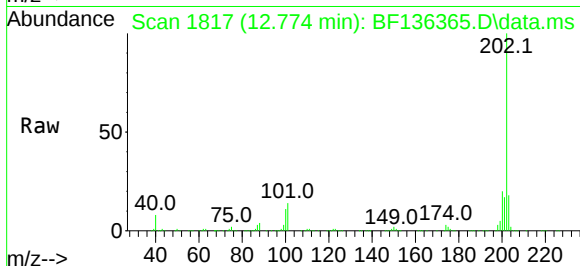
Tgt Ion:	202	Resp:	15332
Ion Ratio	Lower	Upper	
202	100		
200	20.5	18.4	27.6
203	17.9	11.8	17.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 32.192 ng

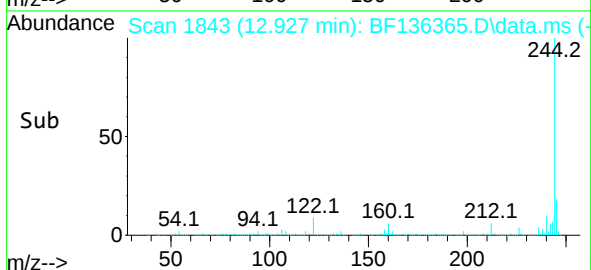
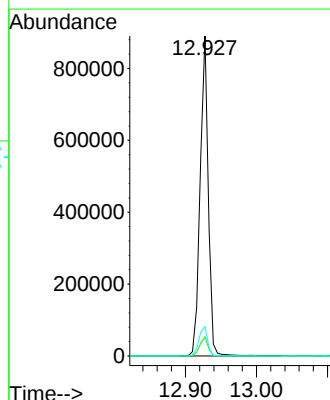
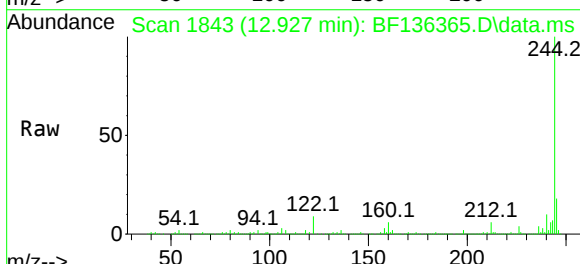
RT: 12.927 min Scan# 1843

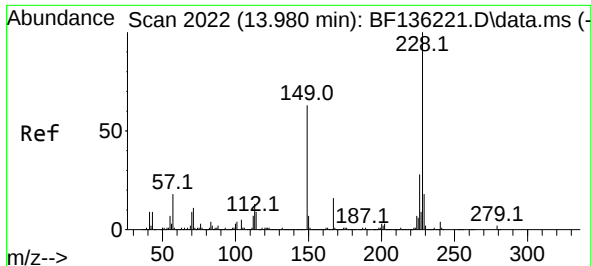
Delta R.T. -0.006 min

Lab File: BF136365.D

Acq: 02 Dec 2023 07:20

Tgt Ion:	244	Resp:	710977
Ion Ratio	Lower	Upper	
244	100		
212	5.9	4.6	7.0
122	9.1	7.3	10.9





#81
Benzo(a)anthracene
Concen: 3.412 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

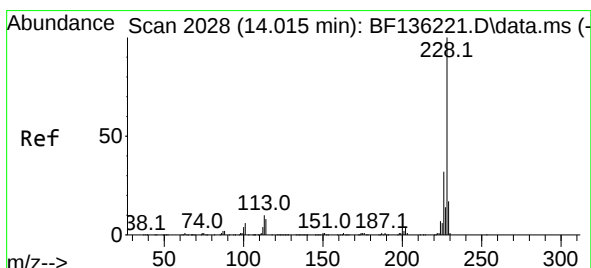
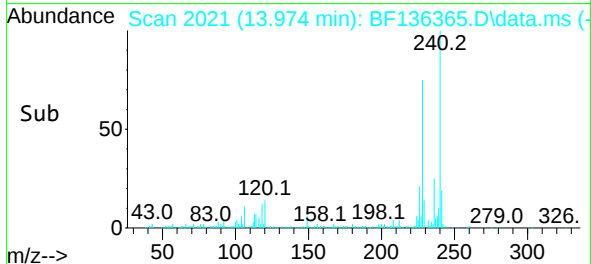
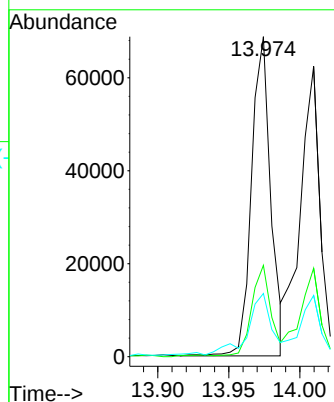
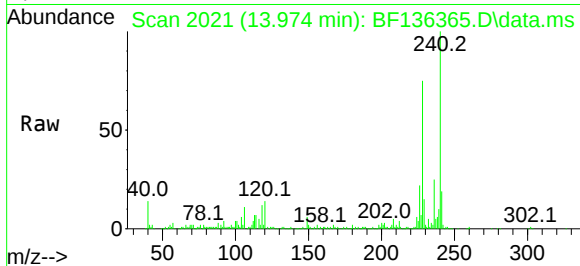
ClientSampleId :

SP-3-COMP

Tgt Ion:228 Resp: 6456
Ion Ratio Lower Upper
228 100
226 28.6 22.6 34.0
229 19.7 14.0 21.0

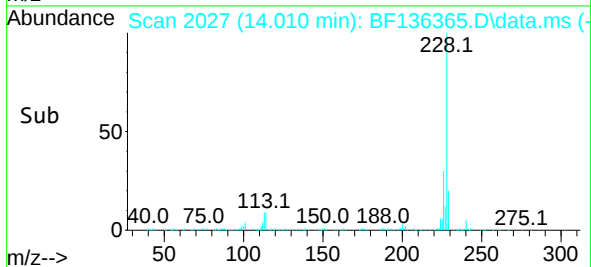
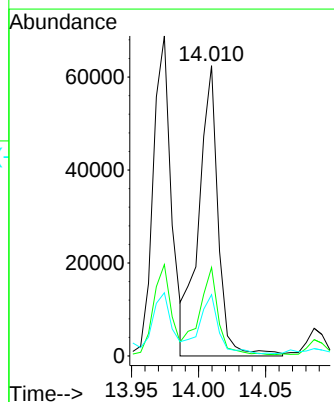
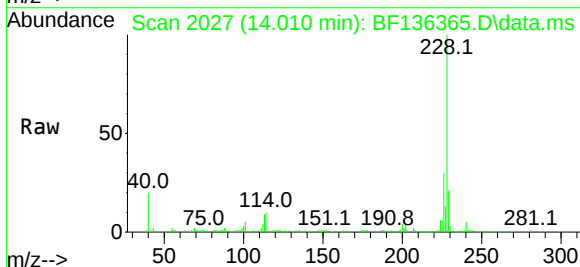
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APPROVED

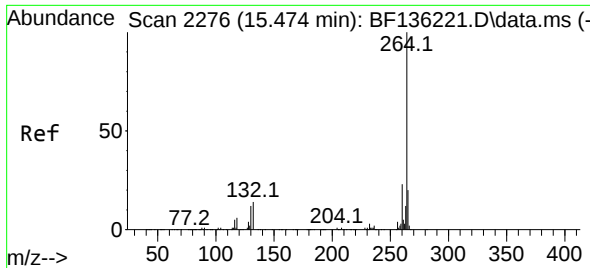
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#83
Chrysene
Concen: 3.445 ng m
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion:228 Resp: 62935
Ion Ratio Lower Upper
228 100
226 30.5 25.5 38.3
229 21.1 13.9 20.9#





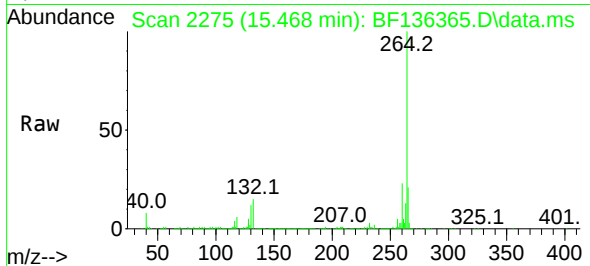
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

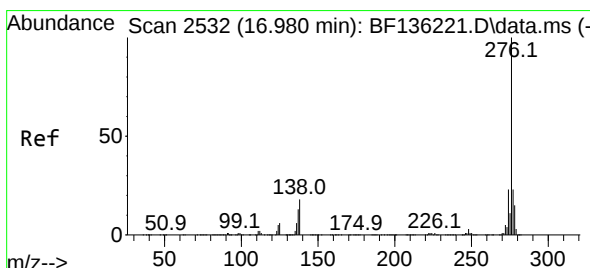
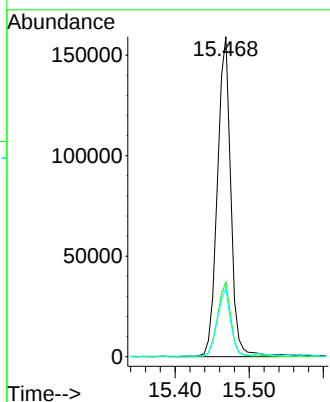
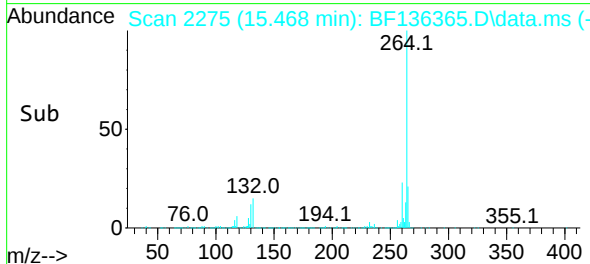


Tgt Ion:264 Resp: 200420
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 21.4 15.7 23.5

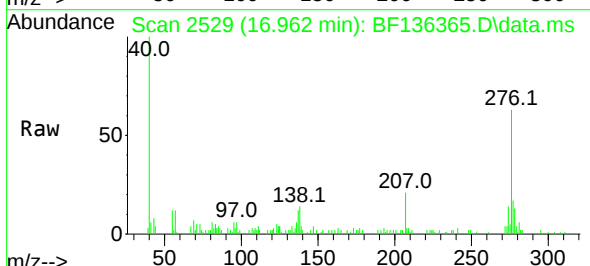
Manual Integrations

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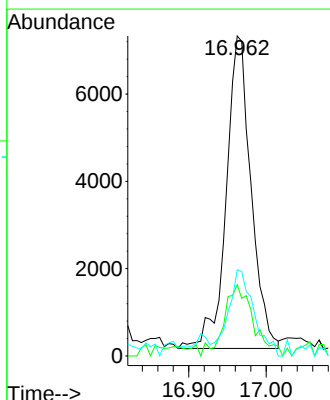
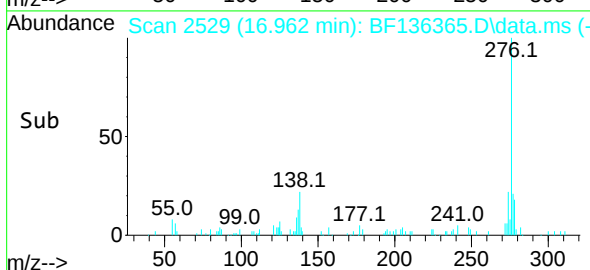
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

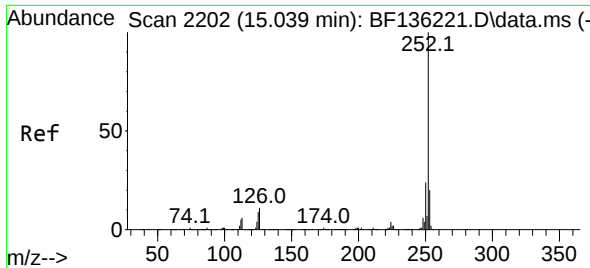


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.686 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.018 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20



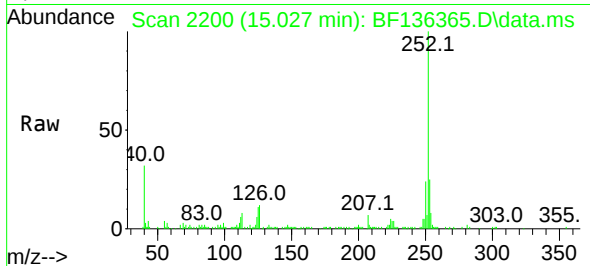
Tgt Ion:276 Resp: 15973
Ion Ratio Lower Upper
276 100
138 26.6 17.7 26.5#
277 28.5 19.6 29.4





#88
Benzo(b)fluoranthene
Concen: 4.157 ng m
RT: 15.027 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

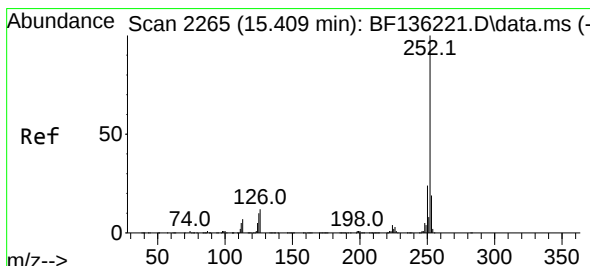
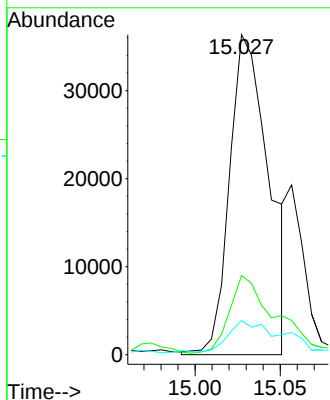
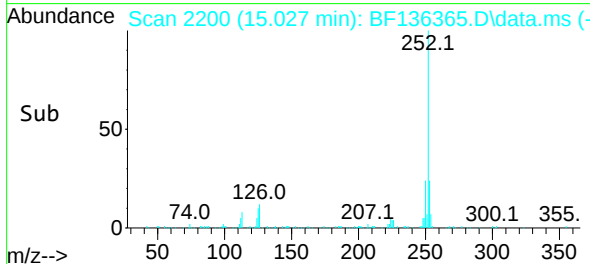
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP



Tgt Ion:252 Resp: 5844
Ion Ratio Lower Upper
252 100
253 24.8 16.2 24.2
125 10.7 6.9 10.3

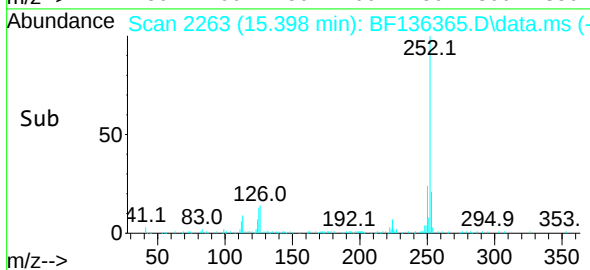
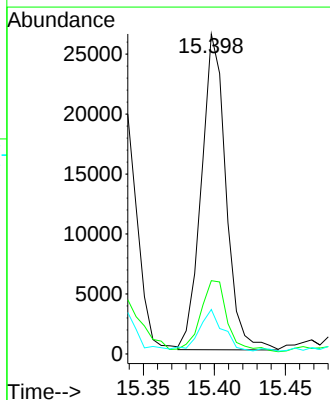
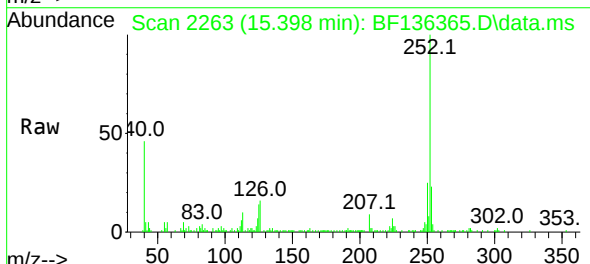
Manual Integrations
APPROVED

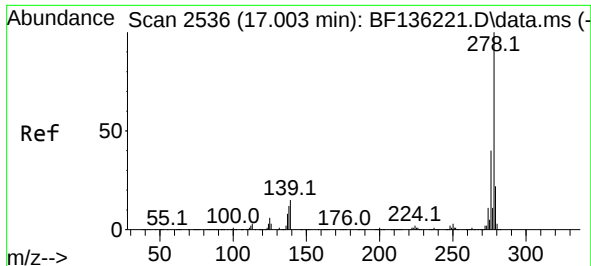
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#90
Benzo(a)pyrene
Concen: 2.759 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion:252 Resp: 31715
Ion Ratio Lower Upper
252 100
253 22.9 15.5 23.3
125 13.9 7.9 11.9





#91
Dibenzo(a,h)anthracene
Concen: 3.348 ng m
RT: 16.980 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Instrument :

BNA_F

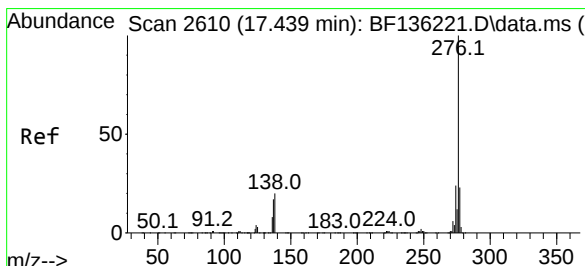
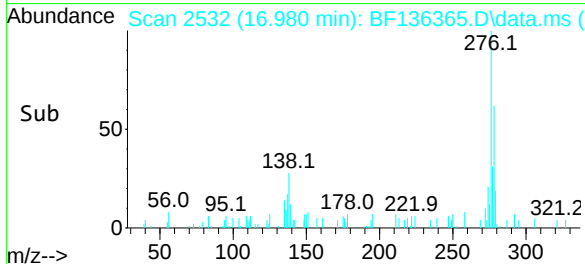
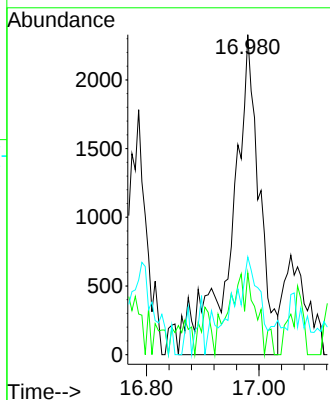
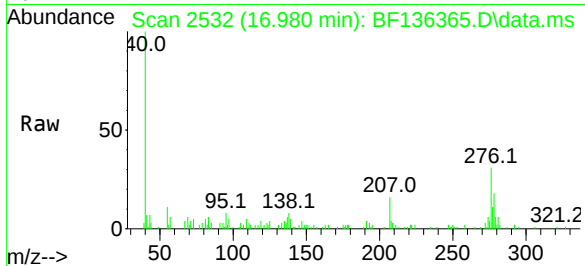
ClientSampleId :

SP-3-COMP

Tgt Ion:278 Resp: 808
Ion Ratio Lower Upper
278 100
139 25.5 11.7 17.5
279 30.6 17.8 26.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#92
Benzo(g,h,i)perylene
Concen: 3.140 ng
RT: 17.421 min Scan# 2607
Delta R.T. -0.018 min
Lab File: BF136365.D
Acq: 02 Dec 2023 07:20

Tgt Ion:276 Resp: 15572
Ion Ratio Lower Upper
276 100
277 22.2 18.6 27.8
138 22.2 15.8 23.8

