

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136385.D
 Acq On : 04 Dec 2023 16:55
 Operator : CG\JU
 Sample : 05434-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-7

Manual Integrations
 APPROVED

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

Quant Time: Dec 04 17:31:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:30:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	117774	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	447505	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	205163	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	335581	20.000	ng	0.00
76) Chrysene-d12	13.980	240	271405	20.000	ng	0.00
86) Perylene-d12	15.463	264	231336	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	615807	72.776	ng	0.00
7) Phenol-d6	6.440	99	734431	69.415	ng	0.00
23) Nitrobenzene-d5	7.363	82	442639	52.269	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	171620	68.421	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	888556	55.320	ng	0.00
79) Terphenyl-d14	12.922	244	861074	36.596	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	125997	6.680	ng	96
75) Fluoranthene	12.545	202	271546	14.182	ng	94
78) Pyrene	12.775	202	263725	8.873	ng	96
81) Benzo(a)anthracene	13.969	228	137975	6.844	ng	# 92
83) Chrysene	14.004	228	140435	7.215	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.962	276	49932	5.406	ng	95
88) Benzo(b)fluoranthene	15.027	252	148350m	9.140	ng	
89) Benzo(k)fluoranthene	15.051	252	47217m	3.063	ng	
90) Benzo(a)pyrene	15.398	252	92512	6.973	ng	# 92
91) Dibenzo(a,h)anthracene	16.992	278	12626	3.572	ng	# 75
92) Benzo(g,h,i)perylene	17.421	276	49010	5.281	ng	94

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

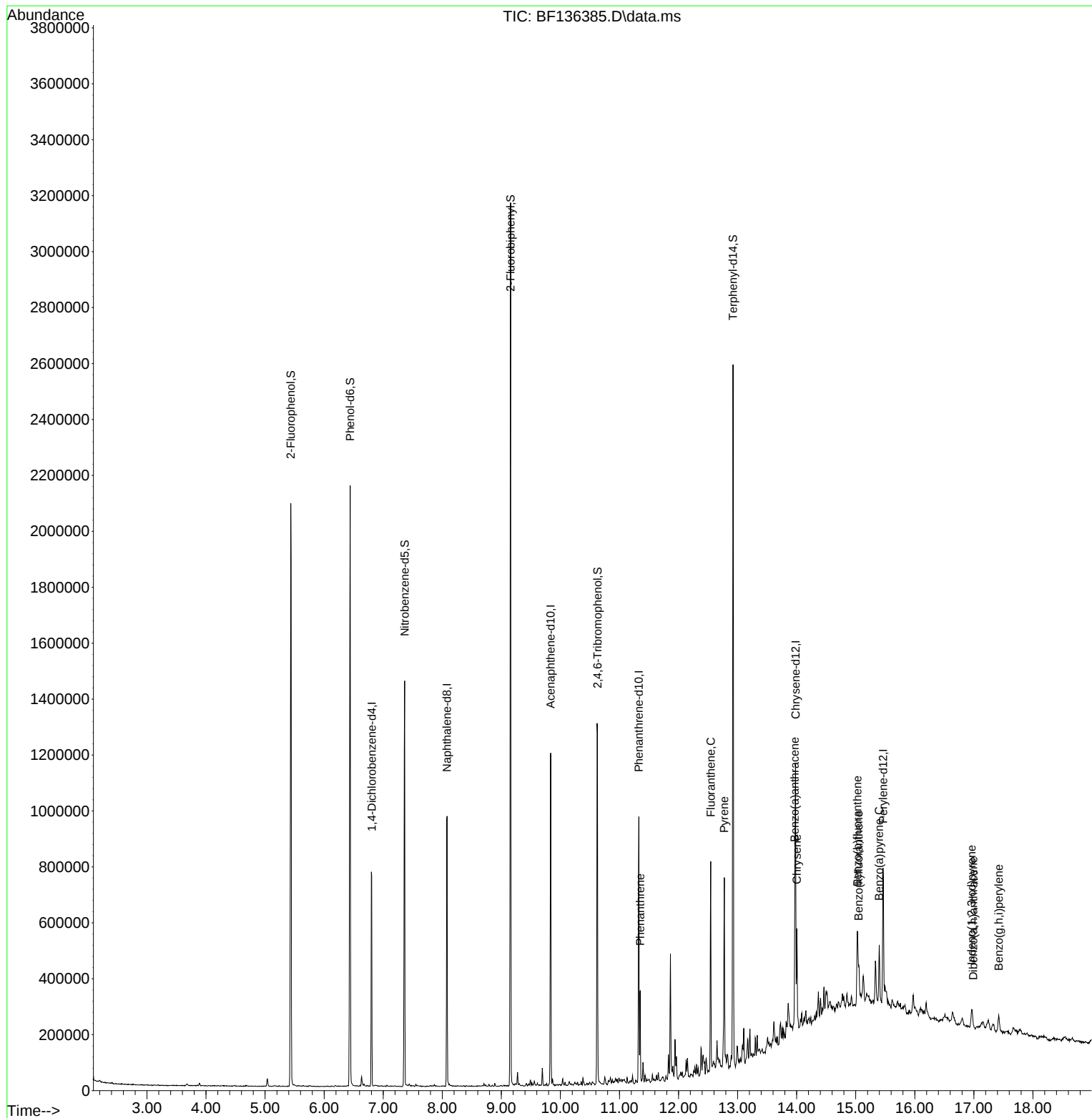
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136385.D
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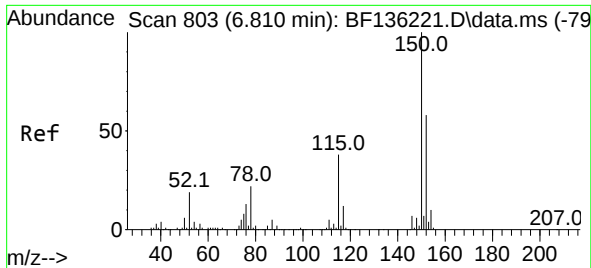
Instrument :
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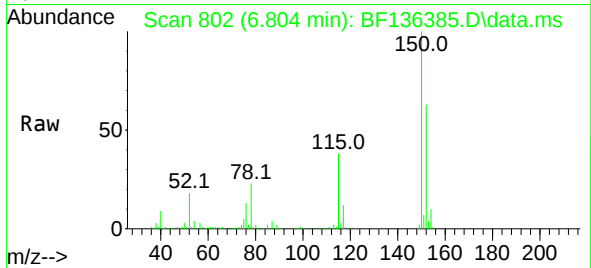
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

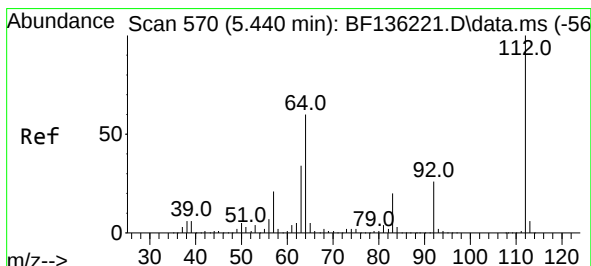
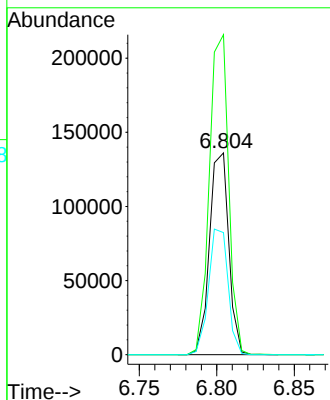
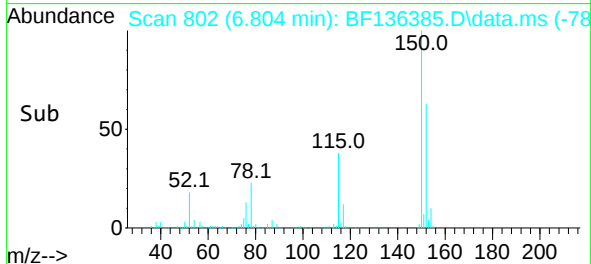
Instrument :
BNA_F
ClientSampleId :
COMP-7



Tgt Ion:152 Resp: 117774
Ion Ratio Lower Upper
152 100
150 158.7 137.8 206.8
115 60.5 52.7 79.1

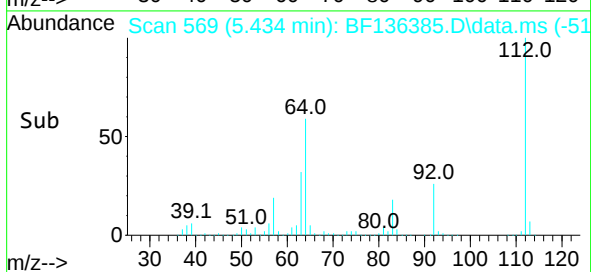
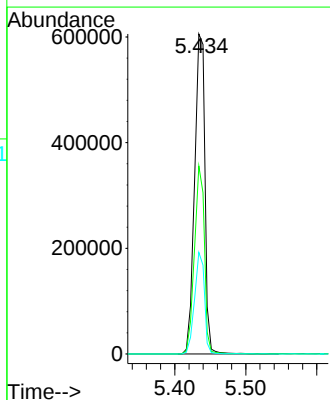
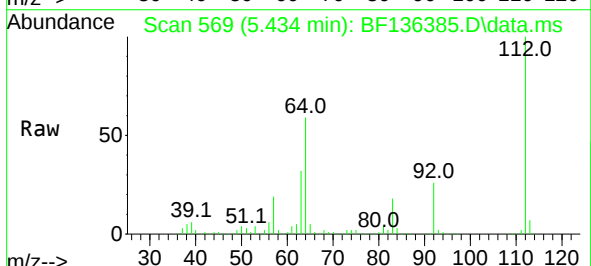
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#5
2-Fluorophenol
Concen: 72.776 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

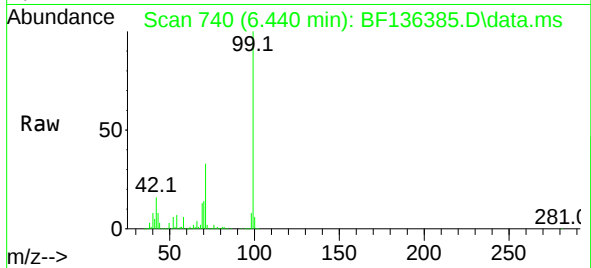
Tgt Ion:112 Resp: 615807
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.4
63 31.7 27.0 40.6





#7
Phenol-d6
Concen: 69.415 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

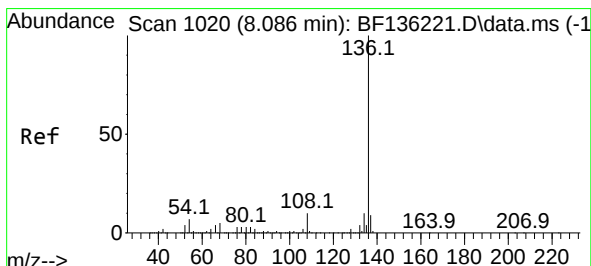
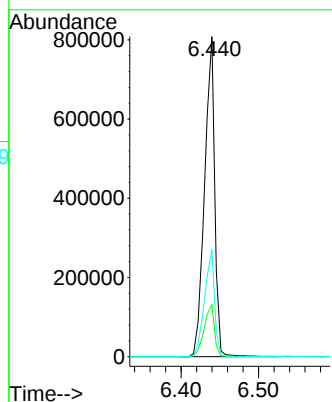
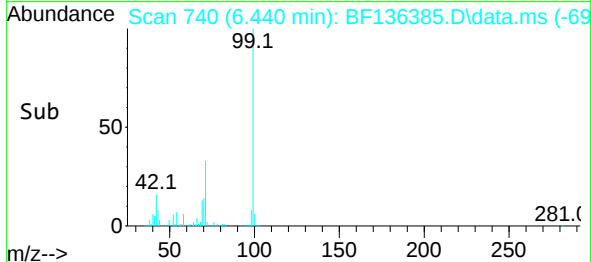
Instrument :
BNA_F
ClientSampleId :
COMP-7



Tgt Ion: 99 Resp: 73443
Ion Ratio Lower Upper
99 100
42 16.3 15.0 22.6
71 33.3 28.9 43.3

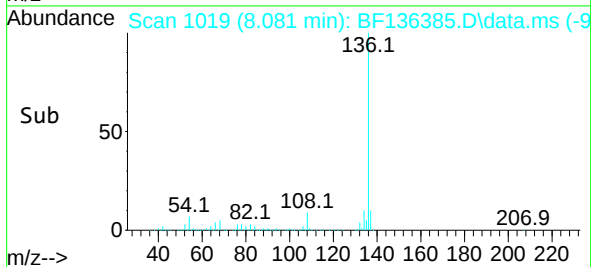
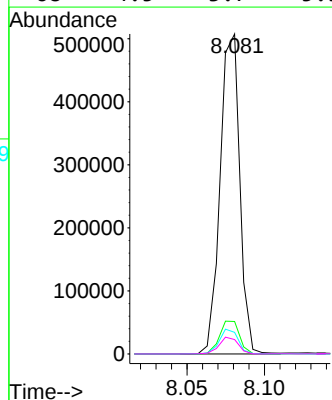
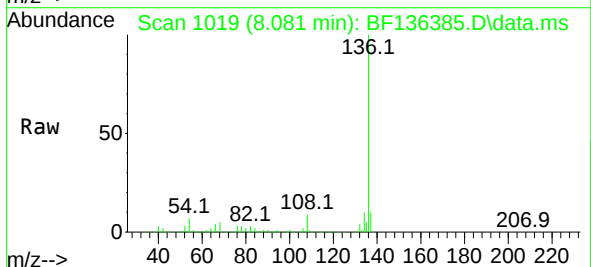
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Reviewed By :Yogesh Patel 12/05/2023
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Tgt Ion:136 Resp: 447505
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.2
54 6.8 5.5 8.3
68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 52.269 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

Instrument :

BNA_F

ClientSampleId :

COMP-7

Tgt Ion: 82 Resp: 442639

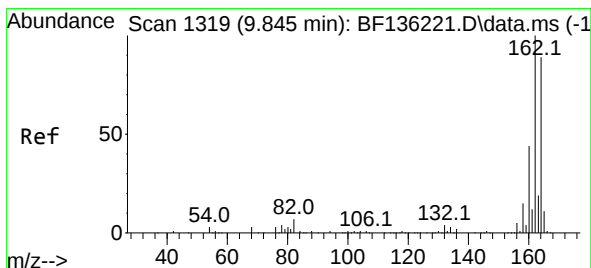
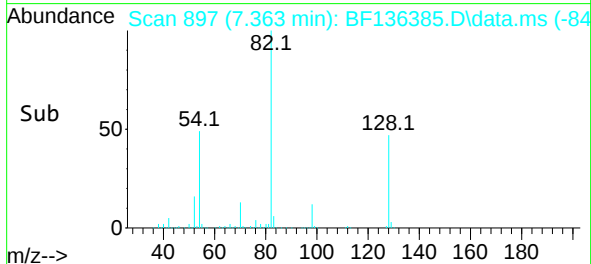
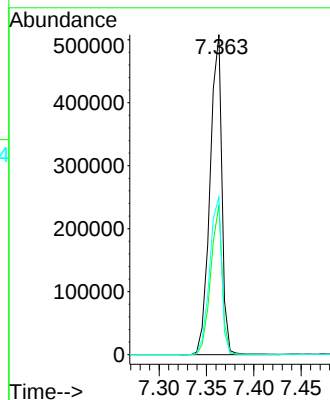
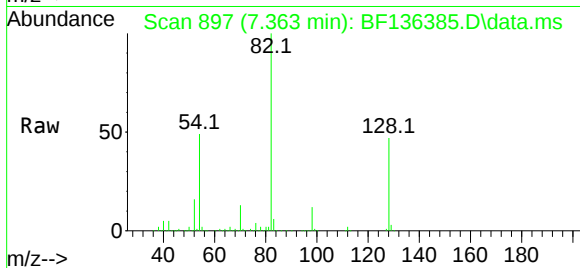
Ion	Ratio	Lower	Upper
82	100		
128	46.9	33.4	50.2
54	49.3	41.7	62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1317

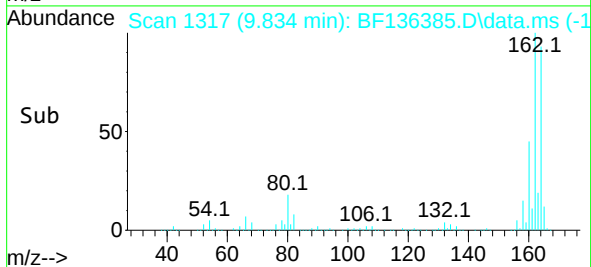
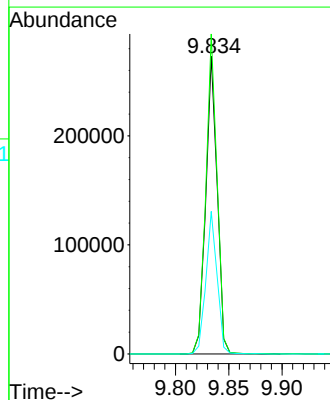
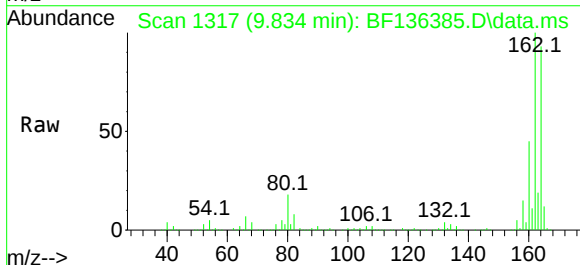
Delta R.T. -0.006 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

Tgt Ion:164 Resp: 205163

Ion	Ratio	Lower	Upper
164	100		
162	107.5	89.5	134.3
160	47.9	39.6	59.4





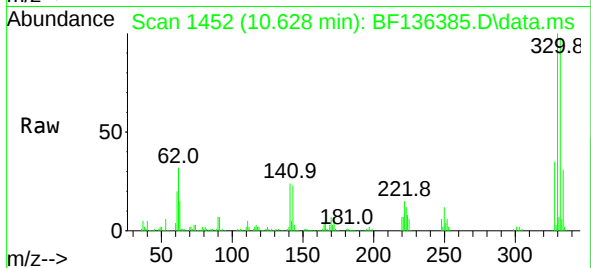
#42
2,4,6-Tribromophenol
Concen: 68.421 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Instrument :

BNA_F

ClientSampleId :

COMP-7

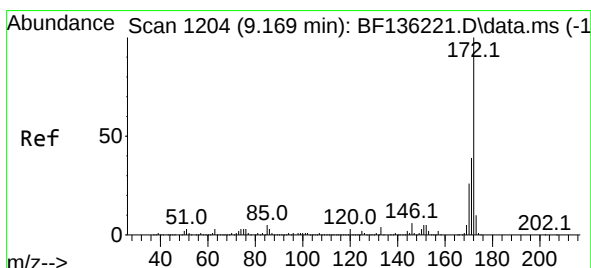
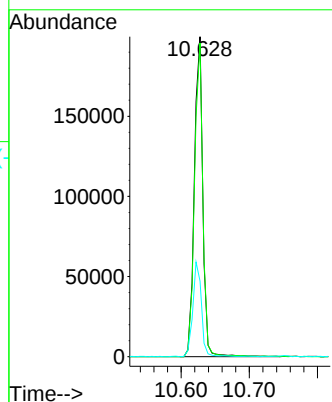
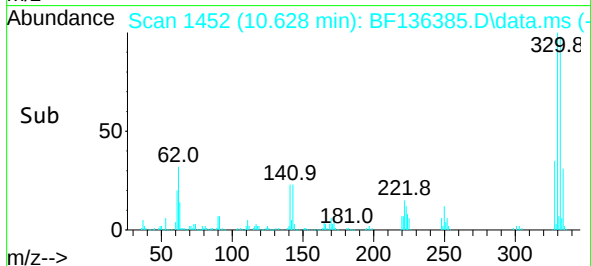


Tgt Ion:330 Resp: 171620
Ion Ratio Lower Upper
330 100
332 96.9 73.0 109.6
141 30.5 24.2 36.2

Manual Integrations

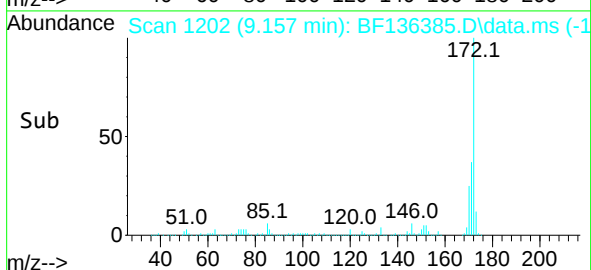
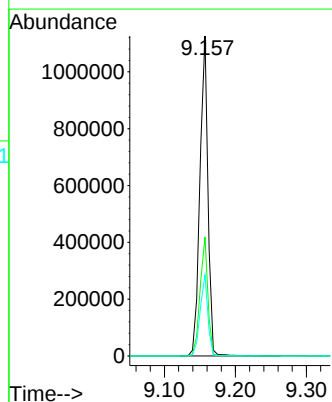
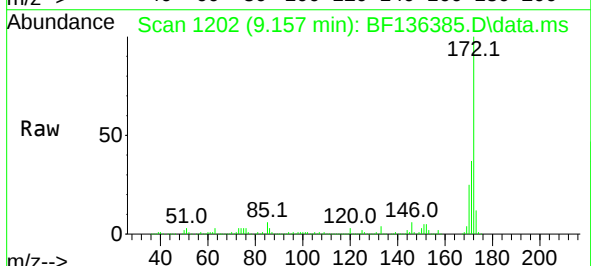
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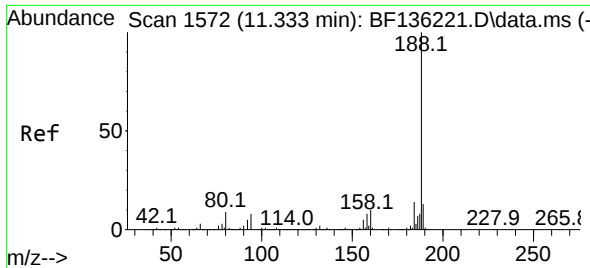
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#45
2-Fluorobiphenyl
Concen: 55.320 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Tgt Ion:172 Resp: 888556
Ion Ratio Lower Upper
172 100
171 37.2 31.5 47.3
170 25.4 20.8 31.2





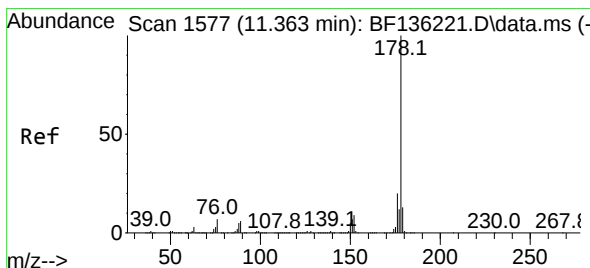
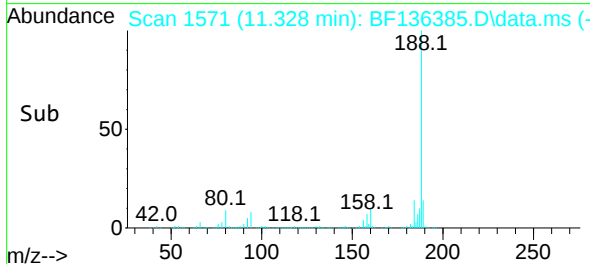
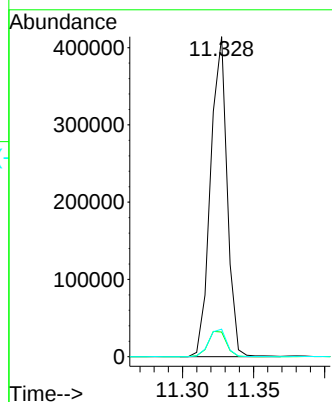
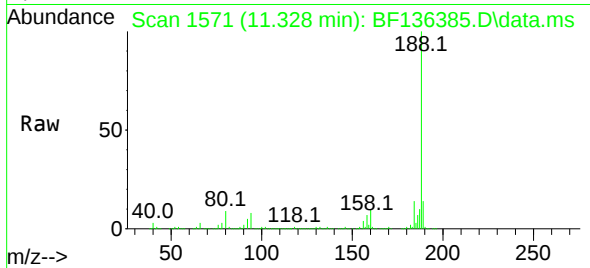
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Instrument :
BNA_F
ClientSampleId :
COMP-7

Tgt Ion:188 Resp: 33558
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.6 7.2 10.8

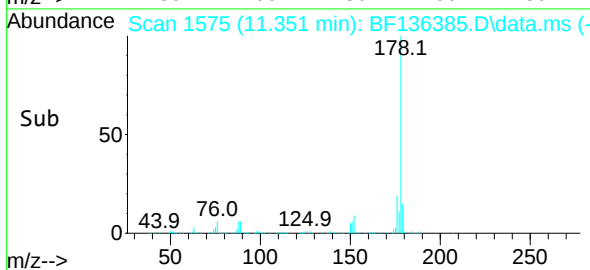
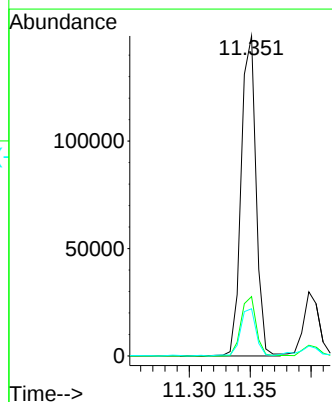
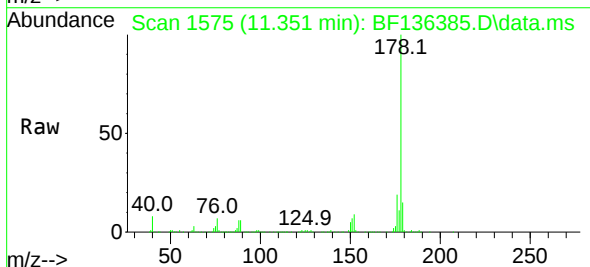
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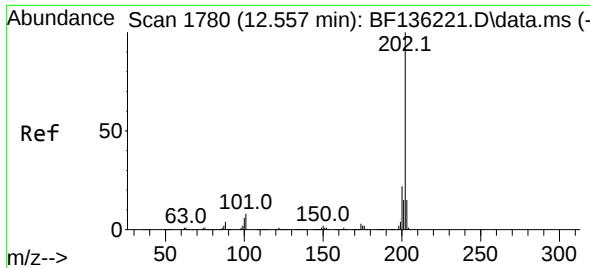
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#71
Phenanthrene
Concen: 6.680 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

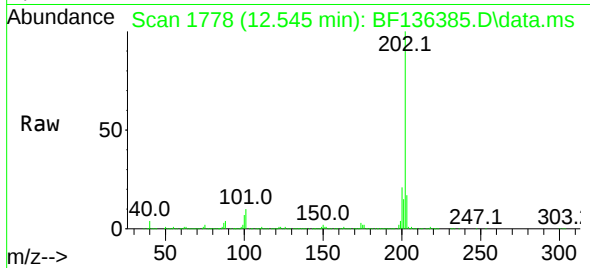
Tgt Ion:178 Resp: 125997
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.2
179 14.7 10.3 15.5





#75
Fluoranthene
Concen: 14.182 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

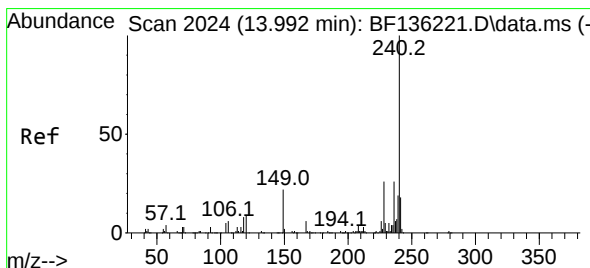
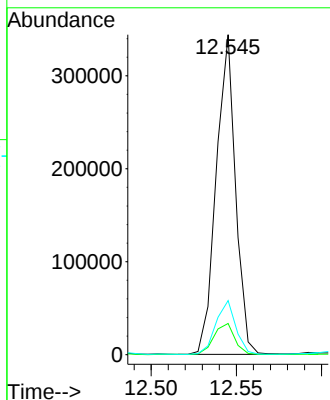
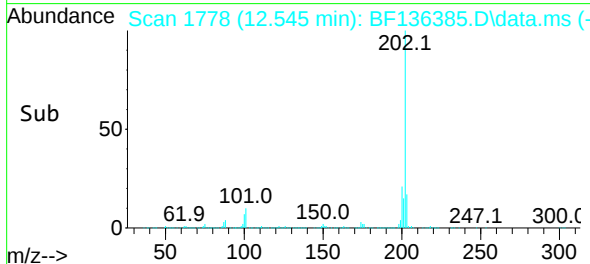
Instrument :
BNA_F
ClientSampleId :
COMP-7



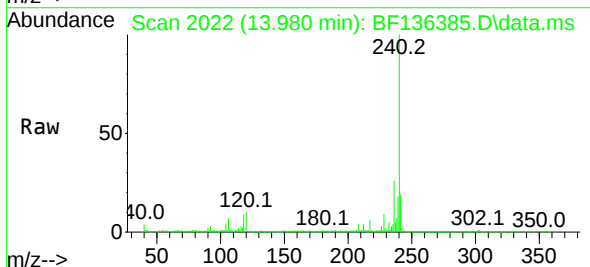
Tgt Ion:202 Resp: 271540
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.8
203 16.9 0.0 34.5

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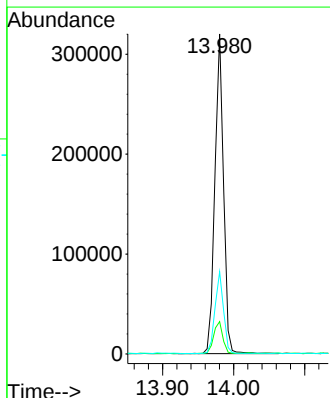
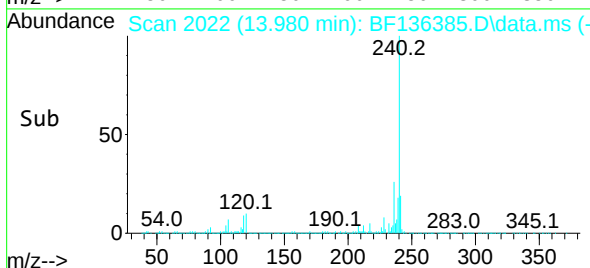
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023

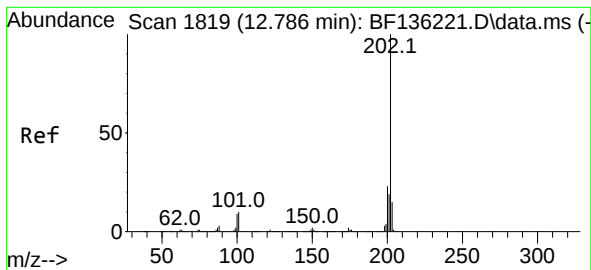


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55



Tgt Ion:240 Resp: 271405
Ion Ratio Lower Upper
240 100
120 10.1 7.4 11.2
236 25.7 21.1 31.7





#78

Pyrene

Concen: 8.873 ng

RT: 12.775 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

Instrument :

BNA_F

ClientSampleId :

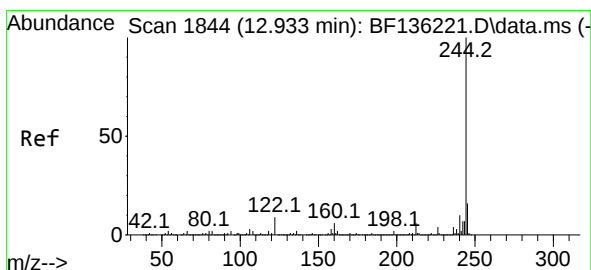
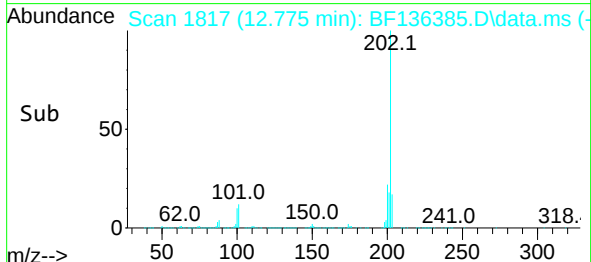
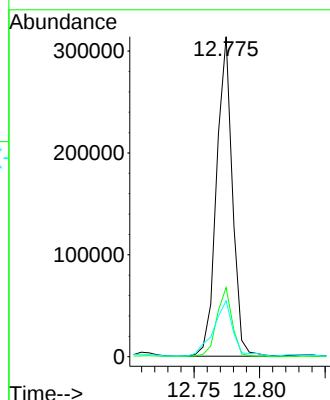
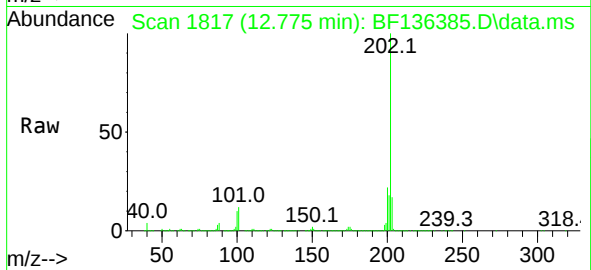
COMP-7

Tgt Ion:	202	Resp:	26372
Ion Ratio	Lower	Upper	
202	100		
200	21.6	18.4	27.6
203	17.4	11.8	17.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 36.596 ng

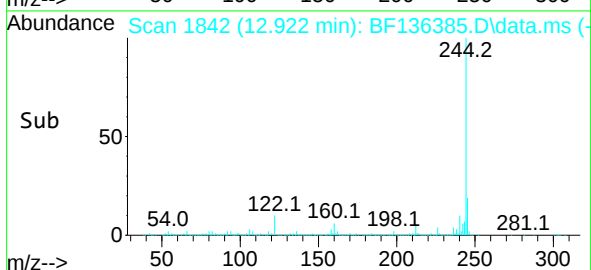
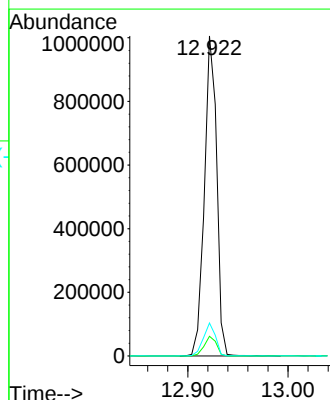
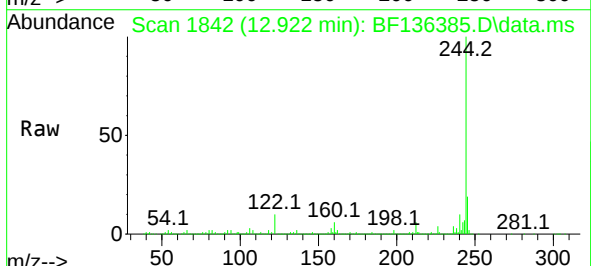
RT: 12.922 min Scan# 1842

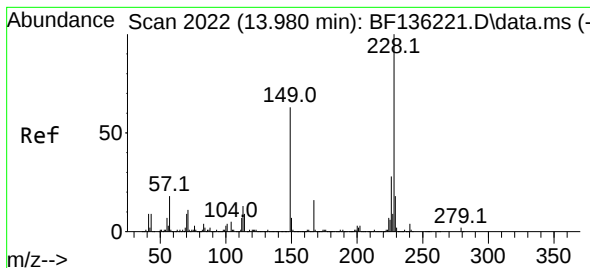
Delta R.T. -0.006 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

Tgt Ion:	244	Resp:	861074
Ion Ratio	Lower	Upper	
244	100		
212	6.2	4.6	7.0
122	10.3	7.3	10.9





#81

Benzo(a)anthracene

Concen: 6.844 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

Instrument :

BNA_F

ClientSampleId :

COMP-7

Tgt Ion:228 Resp: 137979

Ion Ratio Lower Upper

228 100

226 32.5 22.6 34.0

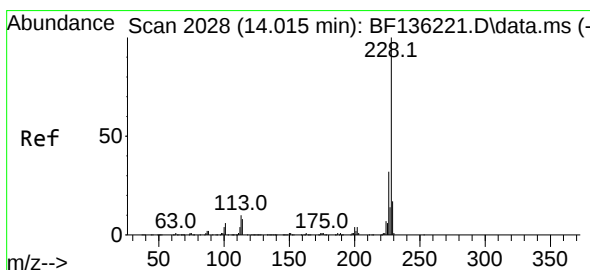
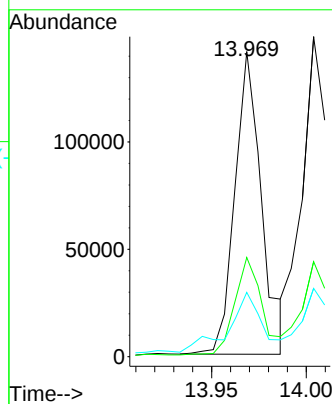
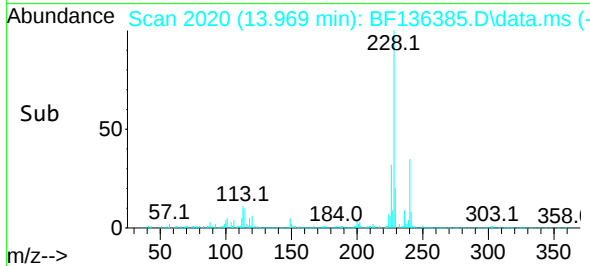
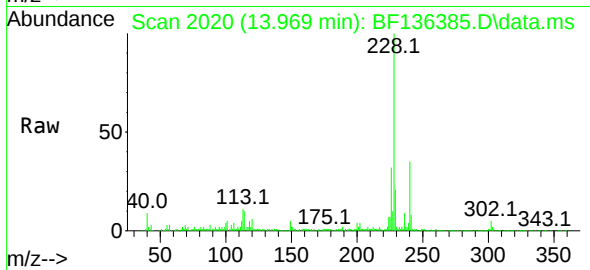
229 21.1 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023



#83

Chrysene

Concen: 7.215 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

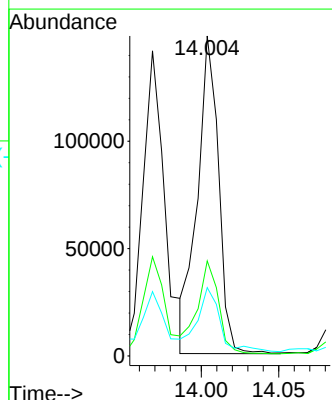
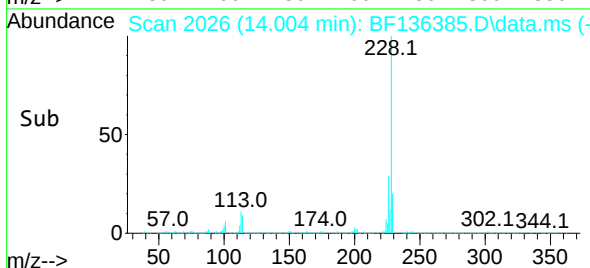
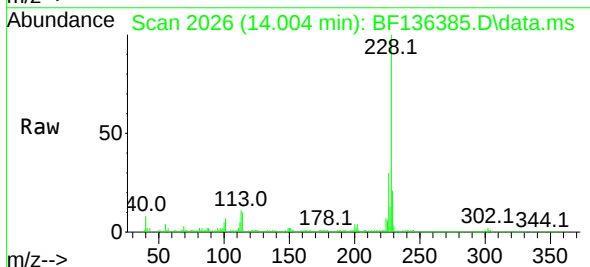
Tgt Ion:228 Resp: 140435

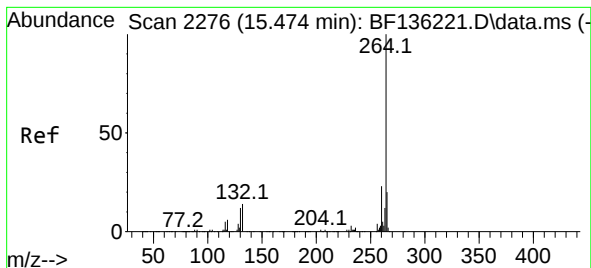
Ion Ratio Lower Upper

228 100

226 29.7 25.5 38.3

229 21.3 13.9 20.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

Instrument :

BNA_F

ClientSampleId :

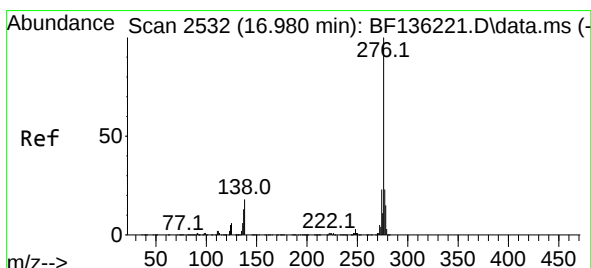
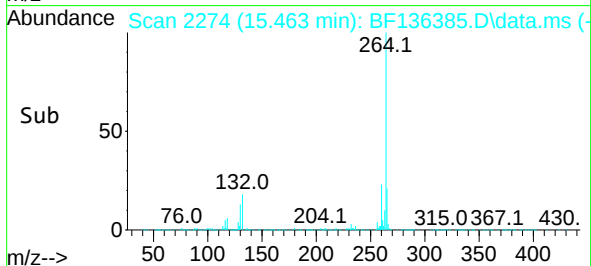
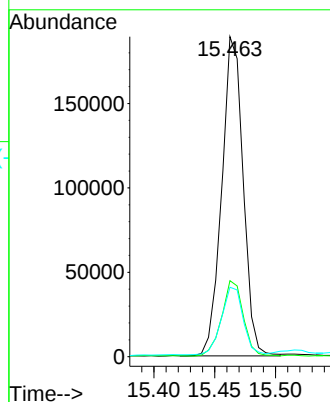
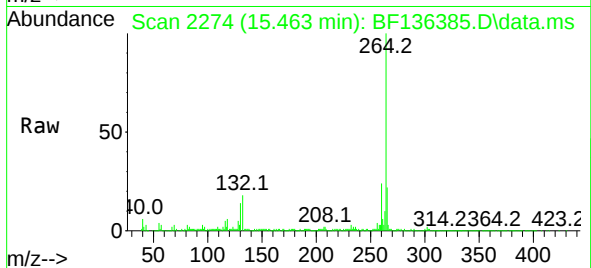
COMP-7

Tgt Ion:	264	Resp:	231330
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.6	27.8
265	21.7	15.7	23.5

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.406 ng

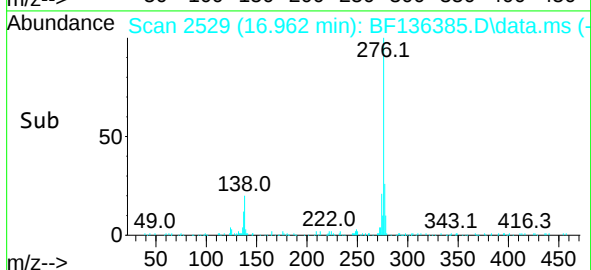
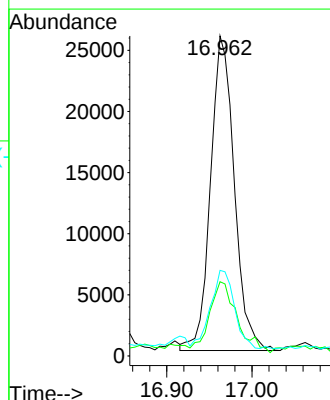
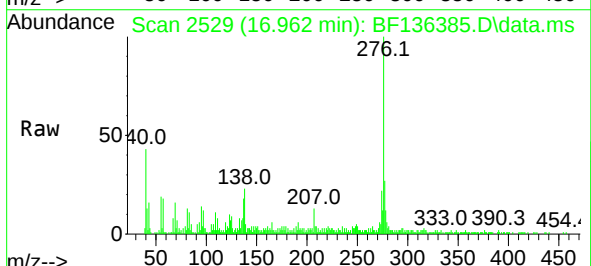
RT: 16.962 min Scan# 2529

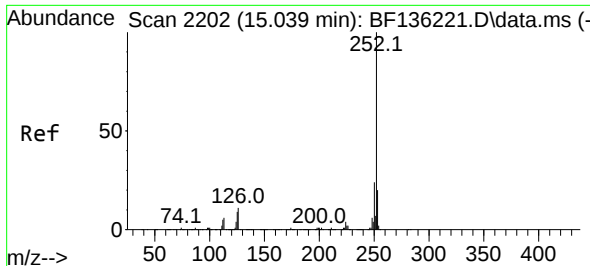
Delta R.T. 0.000 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

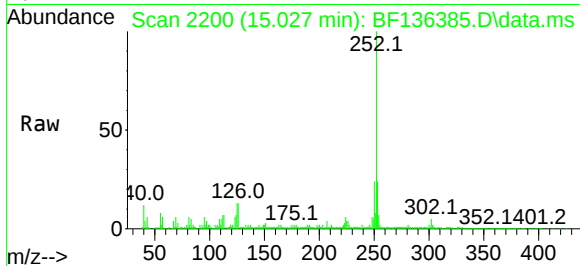
Tgt Ion:	276	Resp:	49932
Ion Ratio	Lower	Upper	
276	100		
138	26.1	17.7	26.5
277	25.0	19.6	29.4





#88
Benzo(b)fluoranthene
Concen: 9.140 ng m
RT: 15.027 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

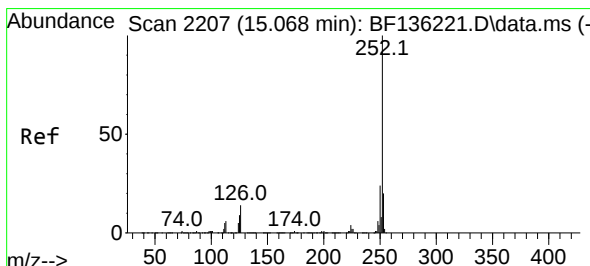
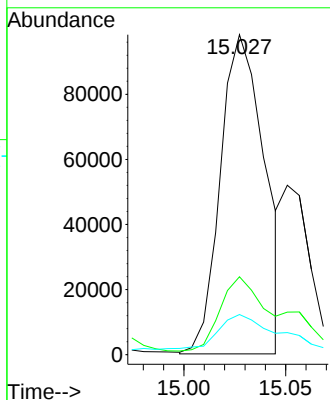
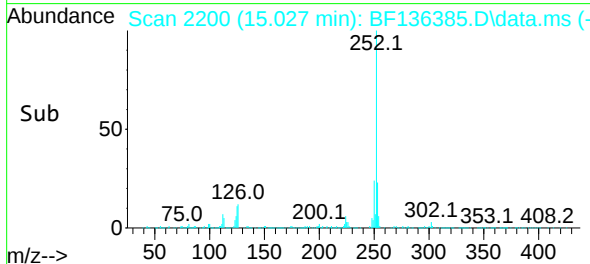
Instrument :
BNA_F
ClientSampleId :
COMP-7



Tgt Ion:252 Resp: 148350
Ion Ratio Lower Upper
252 100
253 24.4 16.2 24.2
125 12.6 6.9 10.3

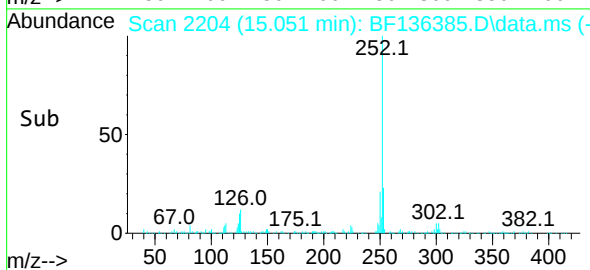
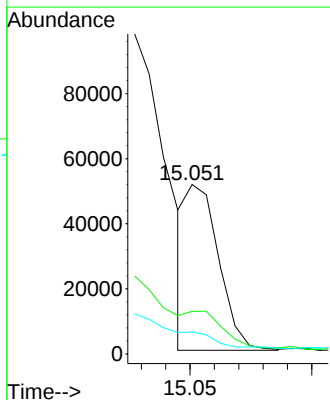
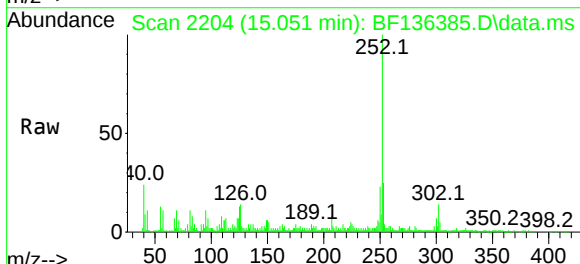
Manual Integrations
APPROVED

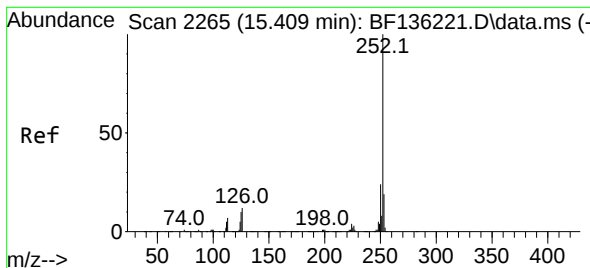
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#89
Benzo(k)fluoranthene
Concen: 3.063 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF136385.D
Acq: 04 Dec 2023 16:55

Tgt Ion:252 Resp: 47217
Ion Ratio Lower Upper
252 100
253 25.2 15.6 23.4#
125 13.1 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 6.973 ng

RT: 15.398 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

Instrument :

BNA_F

ClientSampleId :

COMP-7

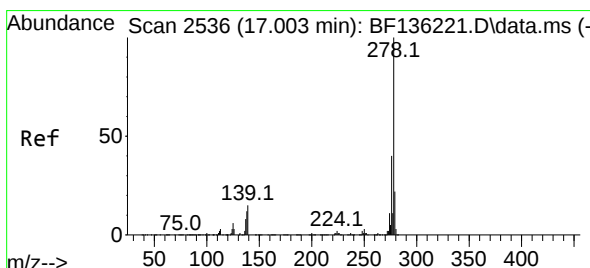
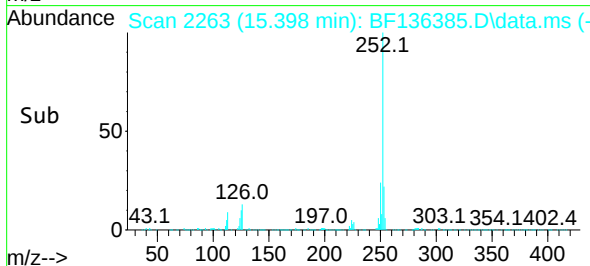
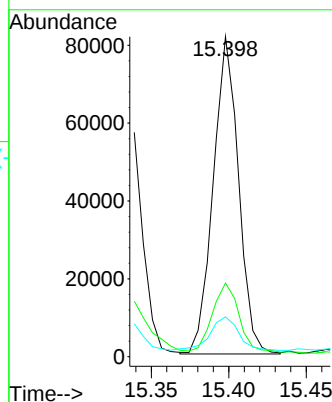
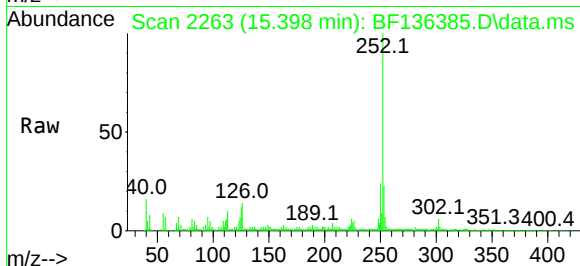
Tgt Ion:252	Resp:	9251
Ion Ratio	Lower	Upper
252	100	
253	23.0	15.5 23.3
125	12.4	7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.572 ng

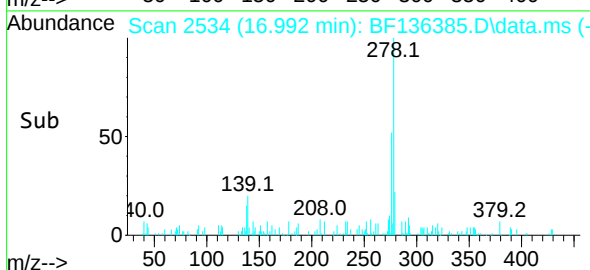
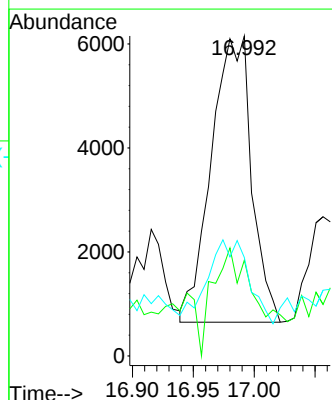
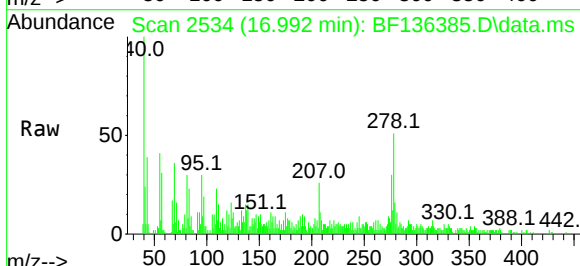
RT: 16.992 min Scan# 2534

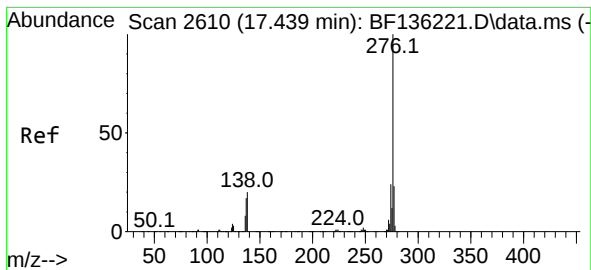
Delta R.T. 0.000 min

Lab File: BF136385.D

Acq: 04 Dec 2023 16:55

Tgt Ion:278	Resp:	12626
Ion Ratio	Lower	Upper
278	100	
139	30.0	11.7 17.5#
279	30.7	17.8 26.8#





#92

Benzo(g,h,i)perylene

Concen: 5.281 ng

RT: 17.421 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136385.D

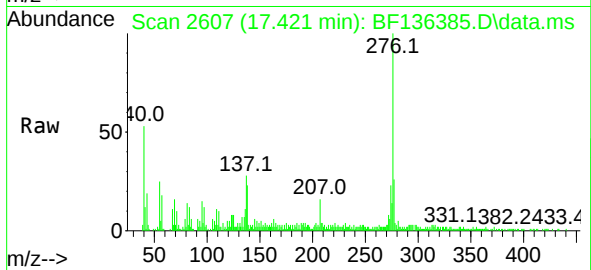
Acq: 04 Dec 2023 16:55

Instrument :

BNA_F

ClientSampleId :

COMP-7



Tgt Ion:276 Resp: 49010

Ion Ratio Lower Upper

276 100

277 25.7 18.6 27.8

138 23.4 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023

