

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136359.D
 Acq On : 02 Dec 2023 04:01
 Operator : CG\JU
 Sample : 05434-07
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4

Manual Integrations
 APPROVED

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

Quant Time: Dec 02 05:54:55 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	137209	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	508106	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	200934	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	284081	20.000	ng	0.00
76) Chrysene-d12	13.980	240	259150	20.000	ng	#-0.01
86) Perylene-d12	15.468	264	242388	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	776778	78.796	ng	0.00
7) Phenol-d6	6.440	99	930614	75.499	ng	0.00
23) Nitrobenzene-d5	7.363	82	569799	59.259	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	153969	62.676	ng	-0.01
45) 2-Fluorobiphenyl	9.163	172	1030368	65.499	ng	0.00
79) Terphenyl-d14	12.927	244	882023	39.259	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	140302	8.787	ng	96
75) Fluoranthene	12.545	202	259258	15.995	ng	92
78) Pyrene	12.775	202	274626m	9.676	ng	
81) Benzo(a)anthracene	13.974	228	130958	6.803	ng	94
83) Chrysene	14.010	228	149486	8.043	ng	94
87) Indeno(1,2,3-cd)pyrene	16.962	276	51102	5.342	ng	98
88) Benzo(b)fluoranthene	15.033	252	166453m	9.788	ng	
89) Benzo(k)fluoranthene	15.057	252	45242m	2.801	ng	
90) Benzo(a)pyrene	15.398	252	98215	7.065	ng	# 93
91) Dibenzo(a,h)anthracene	16.980	278	12298	3.511	ng	# 77
92) Benzo(g,h,i)perylene	17.421	276	46152	4.938	ng	95

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

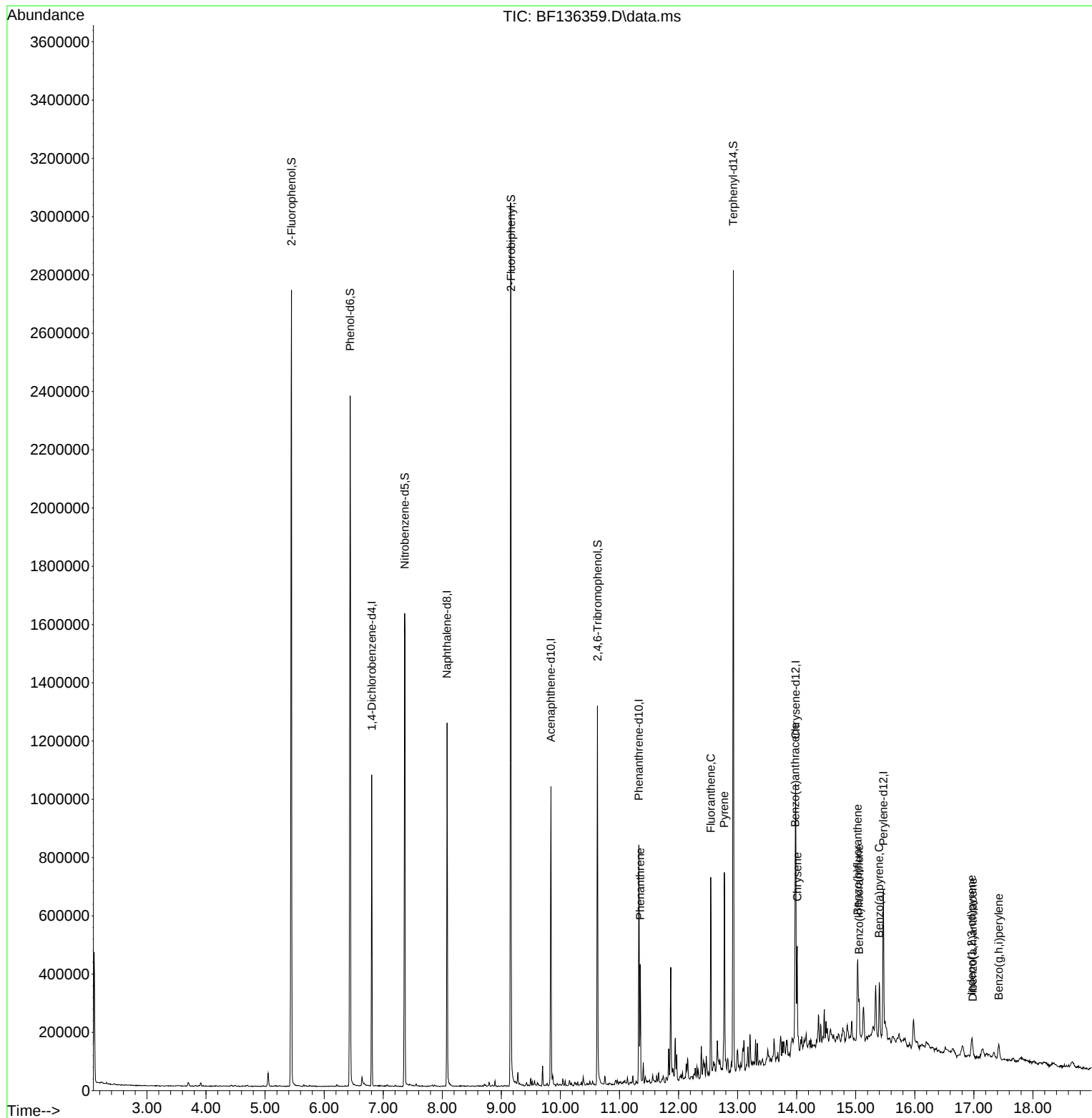
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
Data File : BF136359.D
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ALS Vial : 30 Sample Multiplier: 1

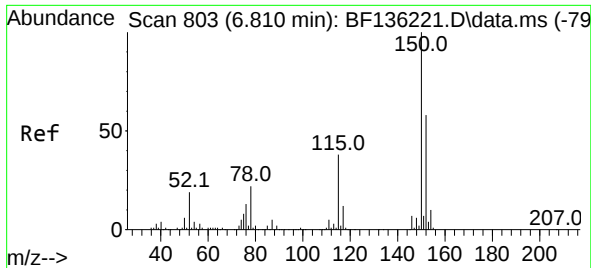
Instrument :
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Quant Time: Dec 02 05:54:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
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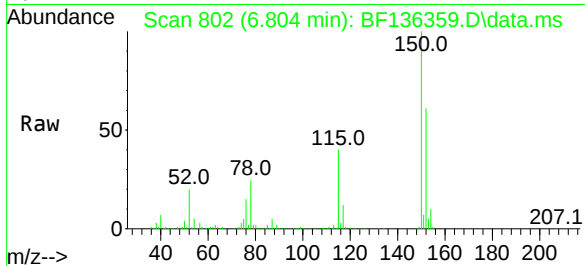
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

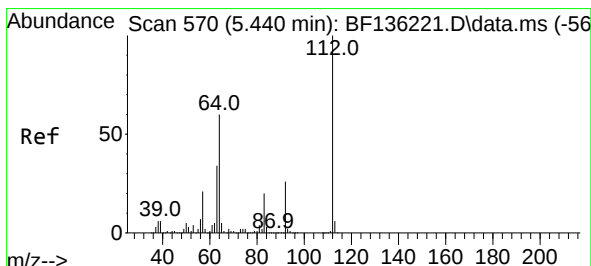
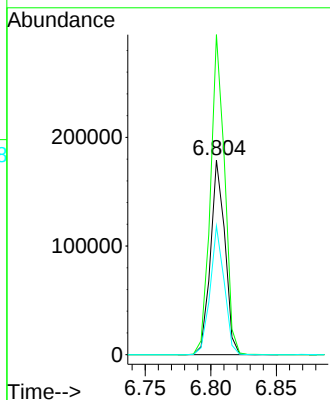
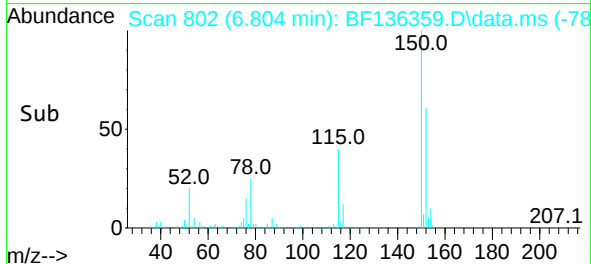
Instrument :
BNA_F
ClientSampleId :
COMP-4



Tgt Ion:152 Resp: 137209
Ion Ratio Lower Upper
152 100
150 164.5 137.8 206.8
115 66.2 52.7 79.1

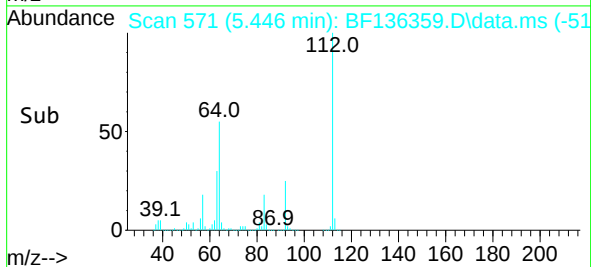
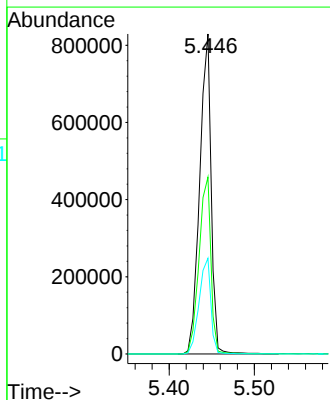
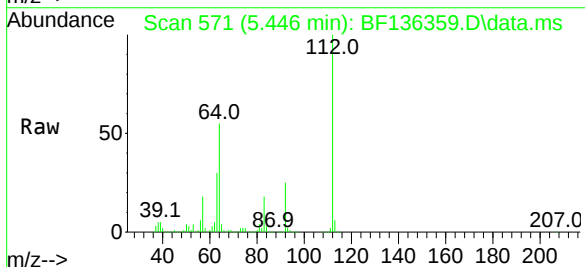
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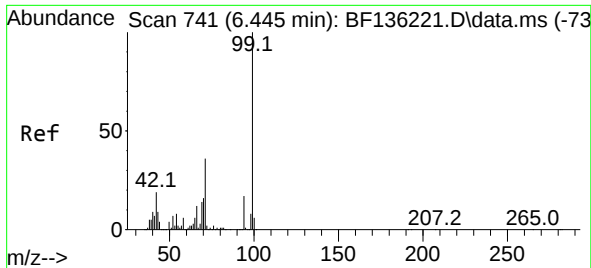
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#5
2-Fluorophenol
Concen: 78.796 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:112 Resp: 776778
Ion Ratio Lower Upper
112 100
64 55.3 48.2 72.4
63 29.9 27.0 40.6





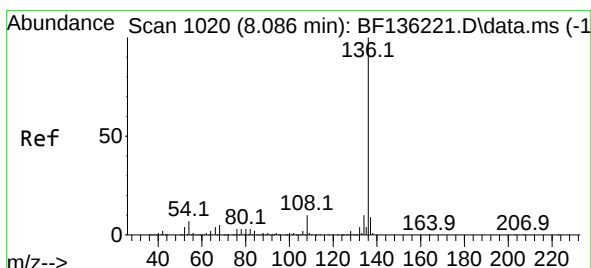
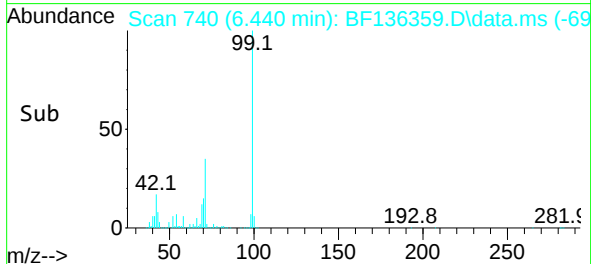
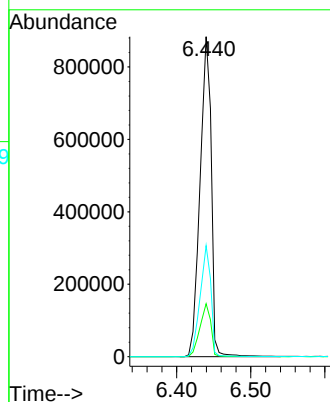
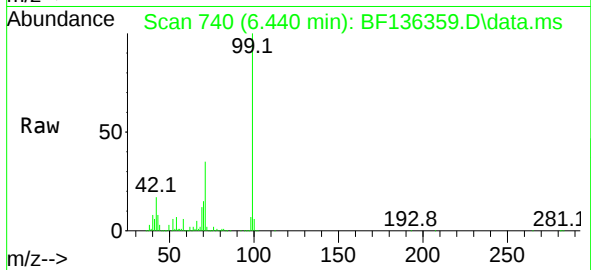
#7
Phenol-d6
Concen: 75.499 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Instrument :
BNA_F
ClientSampleId :
COMP-4

Tgt Ion: 99 Resp: 930614
Ion Ratio Lower Upper
99 100
42 16.5 15.0 22.6
71 34.7 28.9 43.3

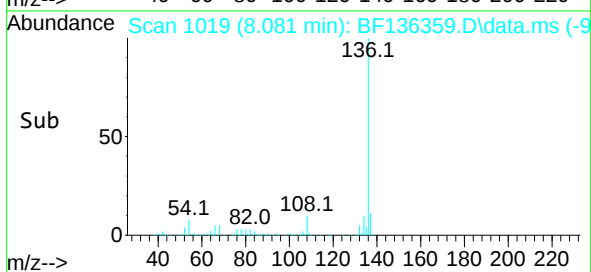
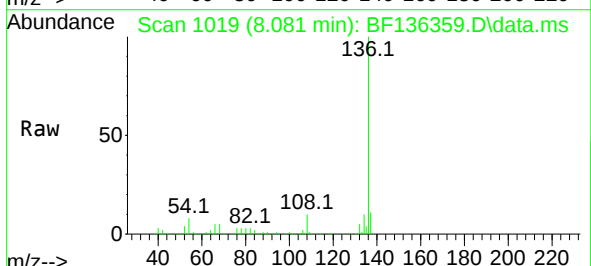
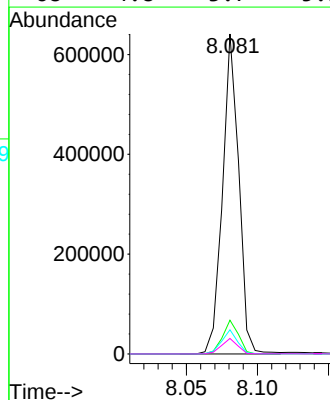
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:136 Resp: 508106
Ion Ratio Lower Upper
136 100
137 10.5 7.4 11.2
54 7.6 5.5 8.3
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 59.259 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136359.D

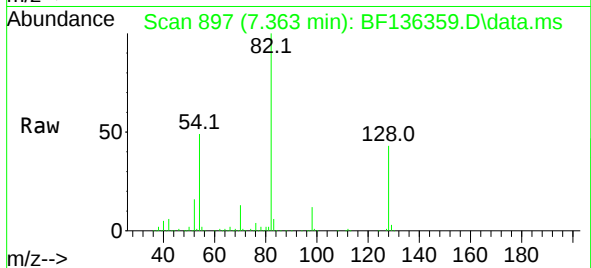
Acq: 02 Dec 2023 04:01

Instrument :

BNA_F

ClientSampleId :

COMP-4



Tgt Ion: 82 Resp: 569799

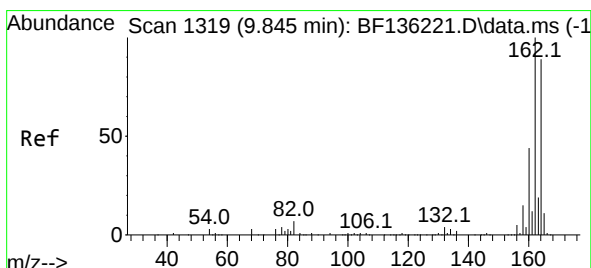
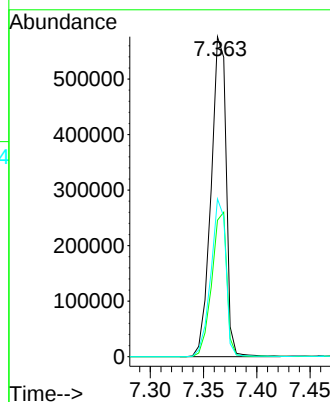
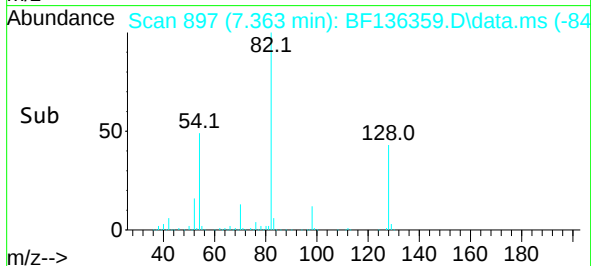
Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.4	50.2
54	49.3	41.7	62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

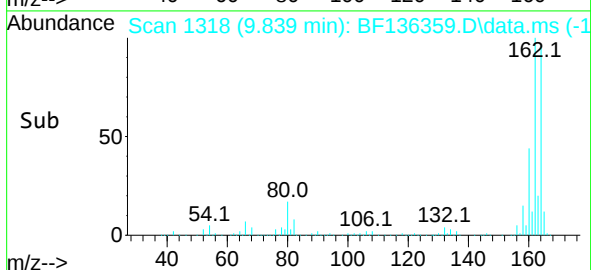
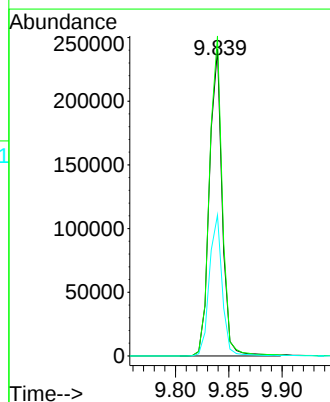
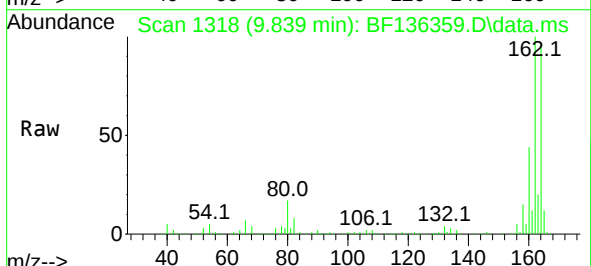
Delta R.T. -0.006 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

Tgt Ion:164 Resp: 200934

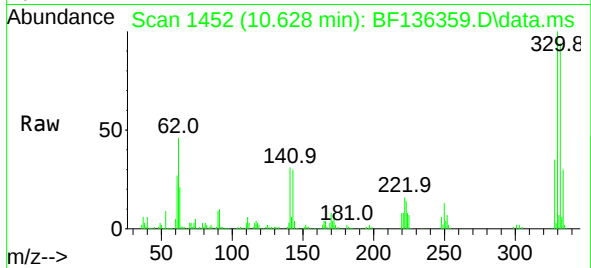
Ion	Ratio	Lower	Upper
164	100		
162	104.3	89.5	134.3
160	45.9	39.6	59.4





#42
2,4,6-Tribromophenol
Concen: 62.676 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

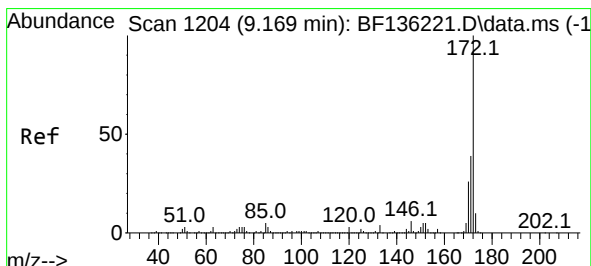
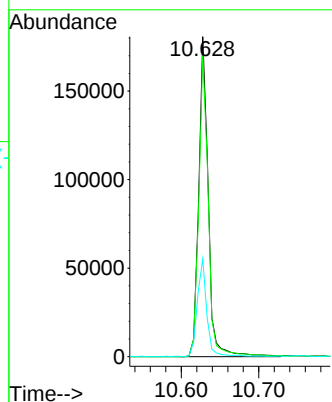
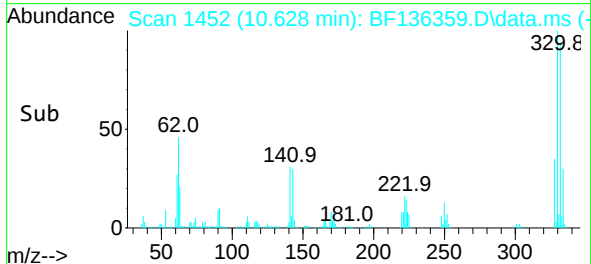
Instrument :
BNA_F
ClientSampleId :
COMP-4



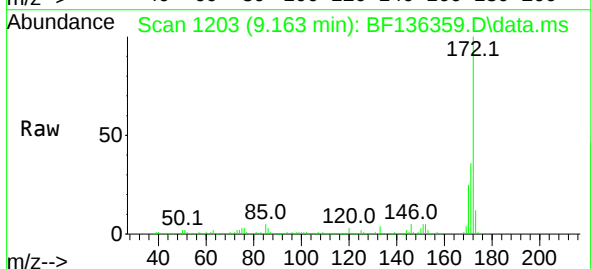
Tgt Ion: 330 Resp: 153968
Ion Ratio Lower Upper
330 100
332 95.1 73.0 109.6
141 31.1 24.2 36.2

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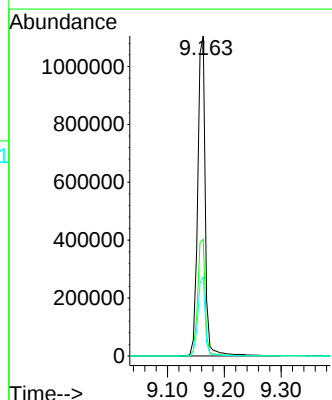
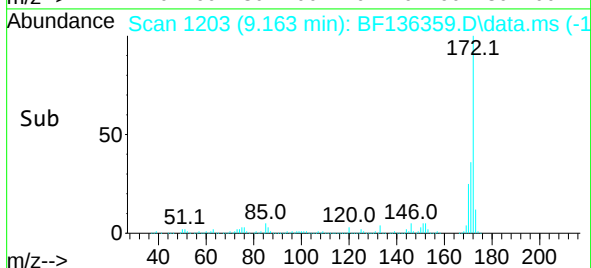
Reviewed By : Yogesh Patel 12/04/2023
Supervised By : mohammad ahmed 12/05/2023



#45
2-Fluorobiphenyl
Concen: 65.499 ng
RT: 9.163 min Scan# 1203
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01



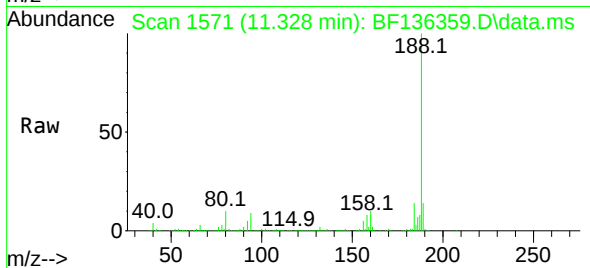
Tgt Ion: 172 Resp: 1030368
Ion Ratio Lower Upper
172 100
171 36.4 31.5 47.3
170 24.6 20.8 31.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

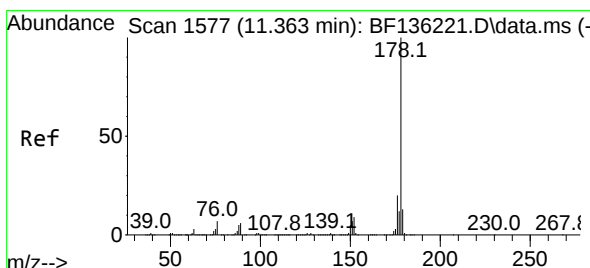
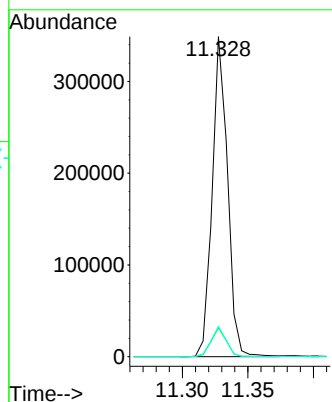
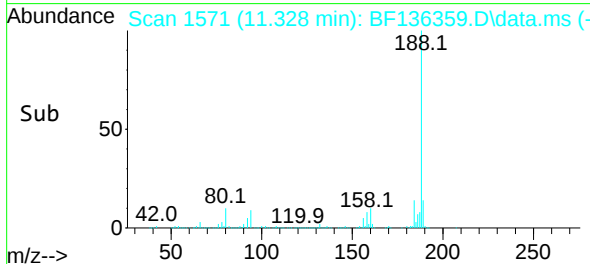
Instrument :
BNA_F
ClientSampleId :
COMP-4



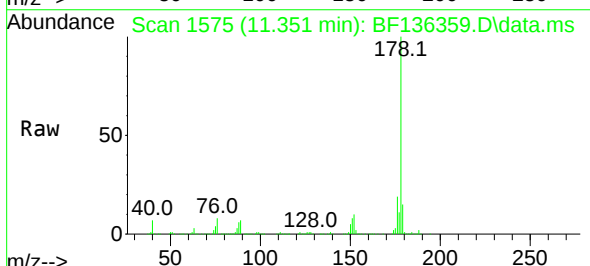
Tgt Ion:188 Resp: 28408
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 9.5 7.2 10.8

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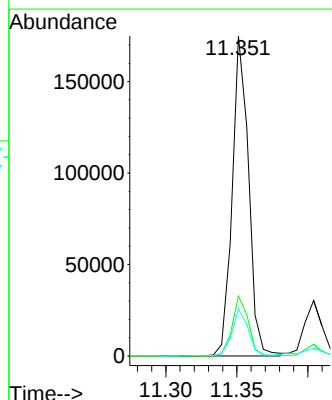
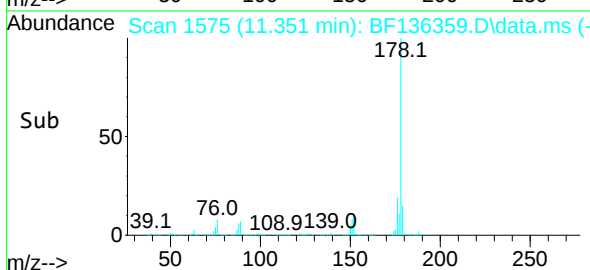
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

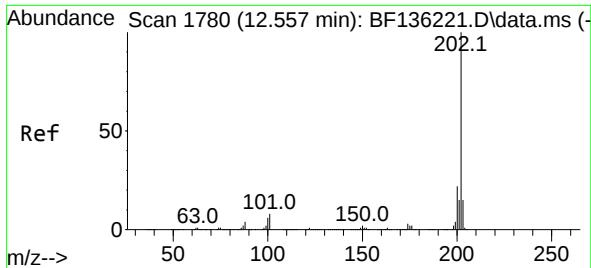


#71
Phenanthrene
Concen: 8.787 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01



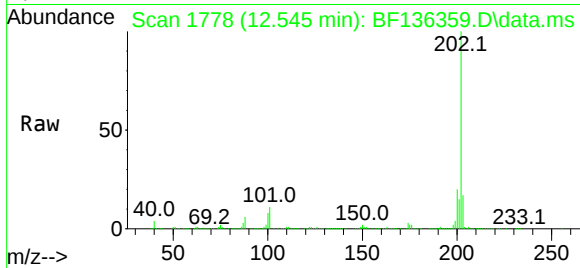
Tgt Ion:178 Resp: 140302
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 14.7 10.3 15.5





#75
Fluoranthene
Concen: 15.995 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

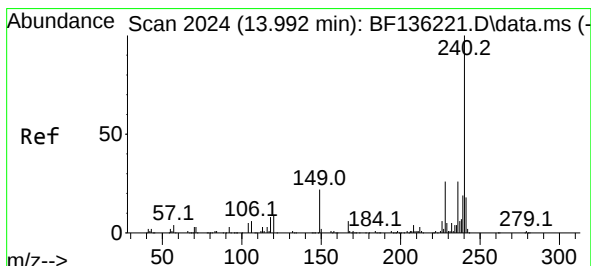
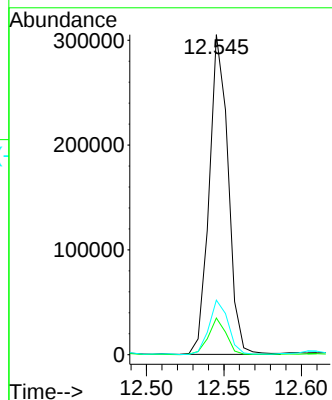
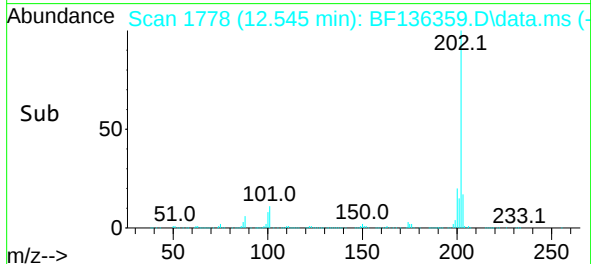
Instrument :
BNA_F
ClientSampleId :
COMP-4



Tgt Ion:202 Resp: 259258
Ion Ratio Lower Upper
202 100
101 11.5 0.0 27.8
203 17.0 0.0 34.5

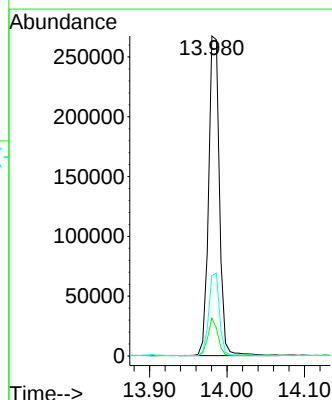
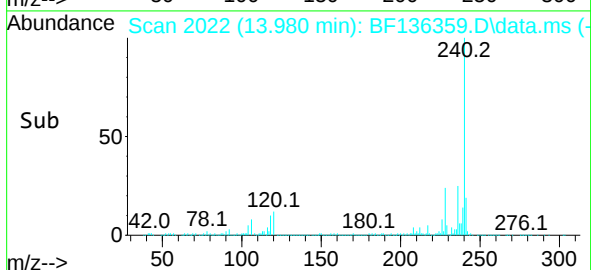
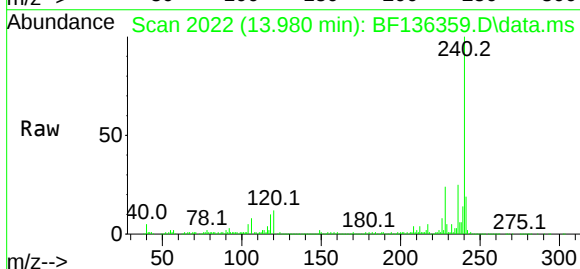
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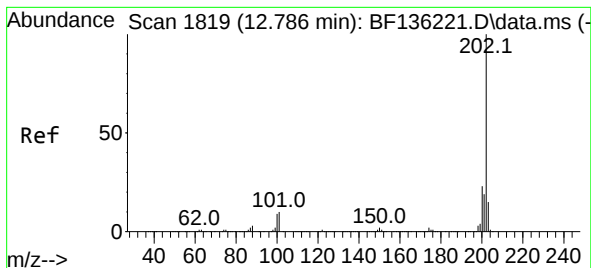
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:240 Resp: 259150
Ion Ratio Lower Upper
240 100
120 11.9 7.4 11.2#
236 25.2 21.1 31.7





#78

Pyrene

Concen: 9.676 ng m

RT: 12.775 min Scan# 1817

Delta R.T. -0.012 min

Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

Instrument :

BNA_F

ClientSampleId :

COMP-4

Tgt Ion:202 Resp: 274620

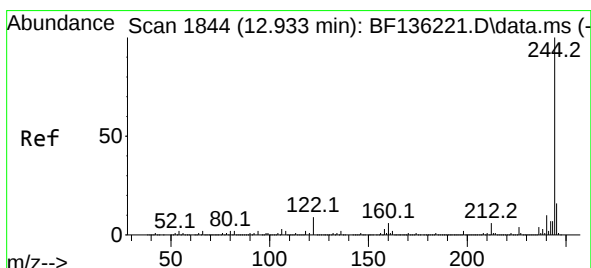
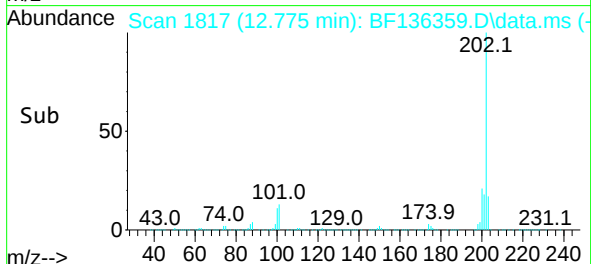
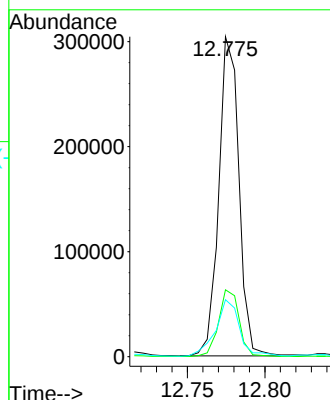
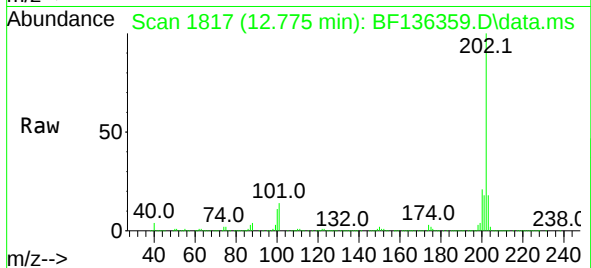
Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.4	27.6
203	17.8	11.8	17.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#79

Terphenyl-d14

Concen: 39.259 ng

RT: 12.927 min Scan# 1843

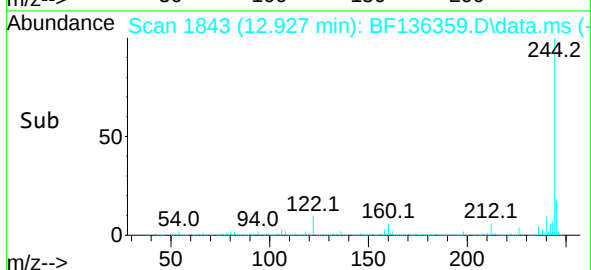
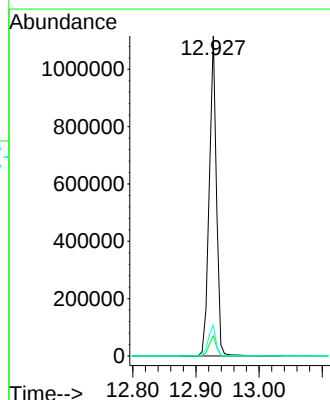
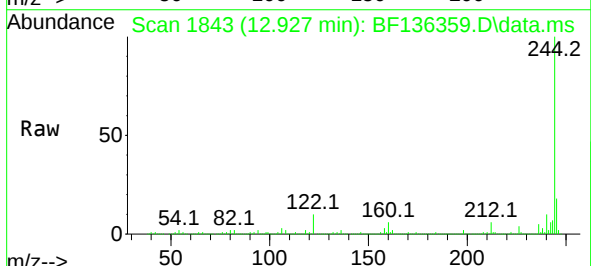
Delta R.T. -0.006 min

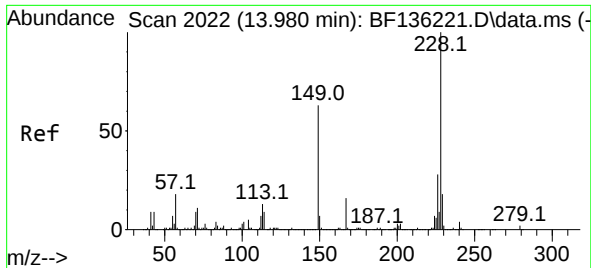
Lab File: BF136359.D

Acq: 02 Dec 2023 04:01

Tgt Ion:244 Resp: 882023

Ion	Ratio	Lower	Upper
244	100		
212	6.3	4.6	7.0
122	9.6	7.3	10.9





#81
Benzo(a)anthracene
Concen: 6.803 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Instrument :

BNA_F

ClientSampleId :

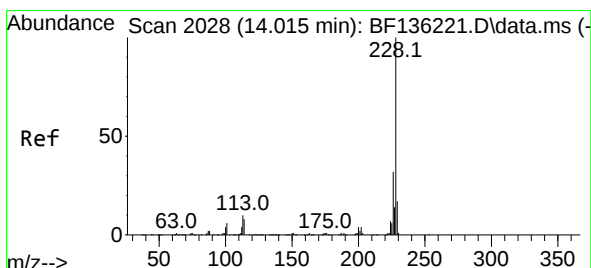
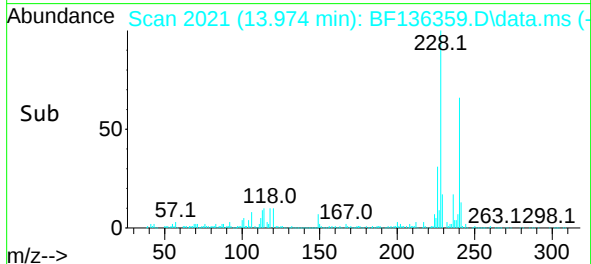
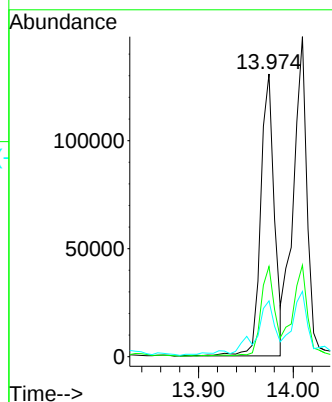
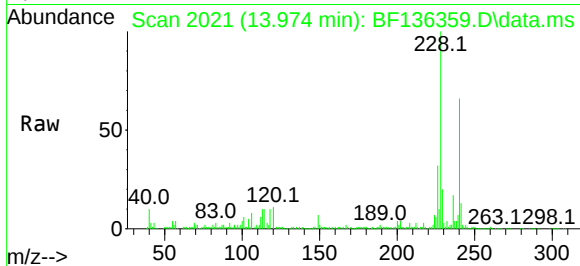
COMP-4

Tgt Ion:228 Resp: 130958
Ion Ratio Lower Upper
228 100
226 31.9 22.6 34.0
229 19.7 14.0 21.0

Manual Integrations

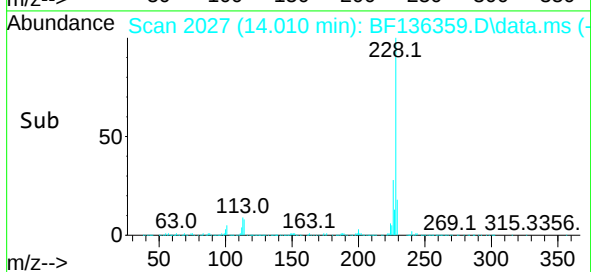
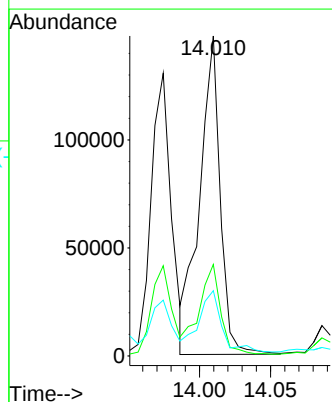
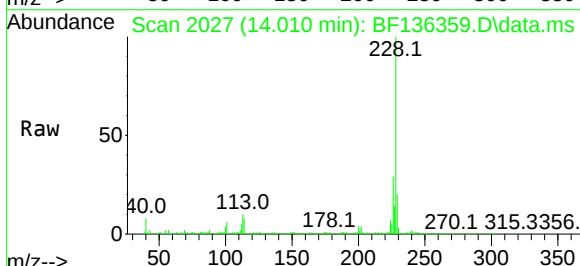
APPROVED

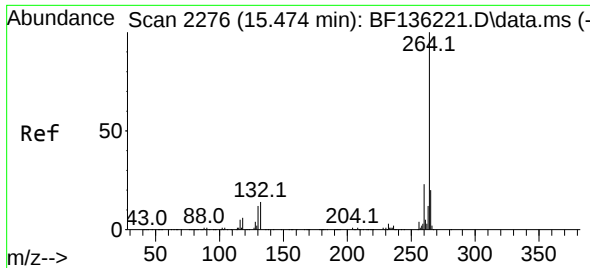
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#83
Chrysene
Concen: 8.043 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Tgt Ion:228 Resp: 149486
Ion Ratio Lower Upper
228 100
226 28.6 25.5 38.3
229 20.4 13.9 20.9





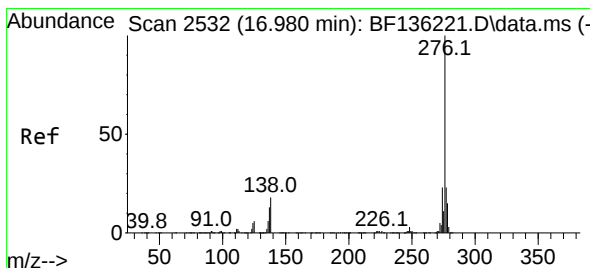
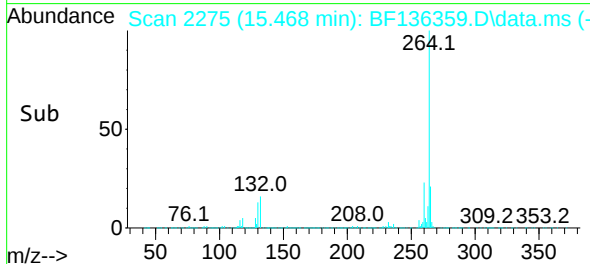
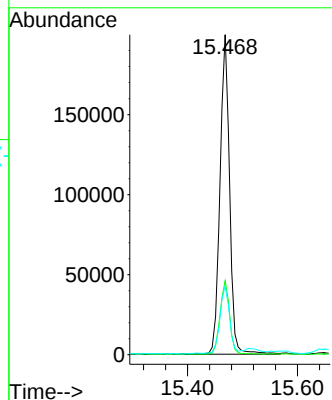
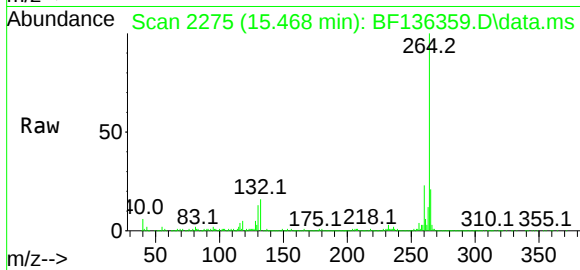
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF136359.D
 Acq: 02 Dec 2023 04:01

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4

Tgt Ion:264 Resp: 24238
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 27.8
 265 21.4 15.7 23.5

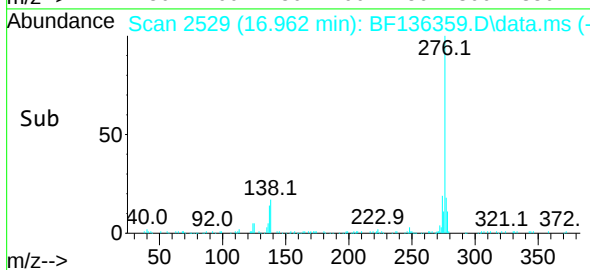
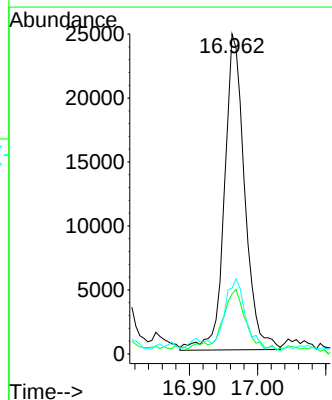
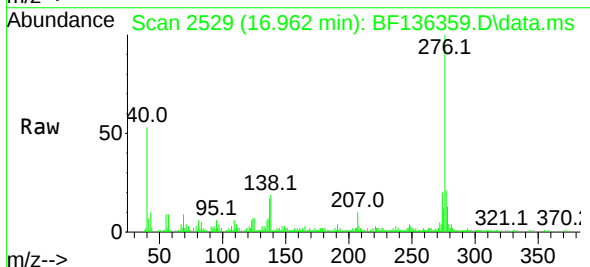
Manual Integrations
 APPROVED

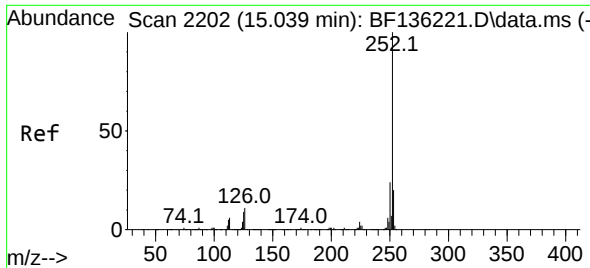
Reviewed By :Yogesh Patel 12/04/2023
 Supervised By :mohammad ahmed 12/05/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.342 ng
 RT: 16.962 min Scan# 2529
 Delta R.T. -0.018 min
 Lab File: BF136359.D
 Acq: 02 Dec 2023 04:01

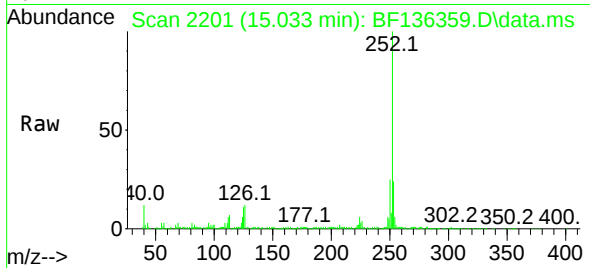
Tgt Ion:276 Resp: 51102
 Ion Ratio Lower Upper
 276 100
 138 21.2 17.7 26.5
 277 23.7 19.6 29.4





#88
Benzo(b)fluoranthene
Concen: 9.788 ng m
RT: 15.033 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

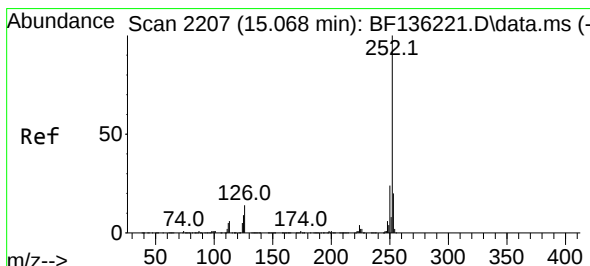
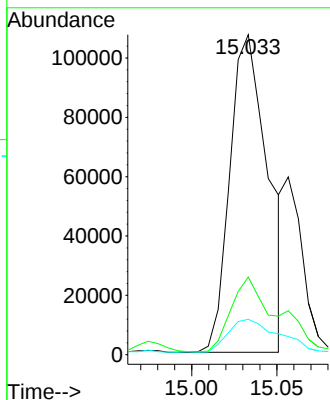
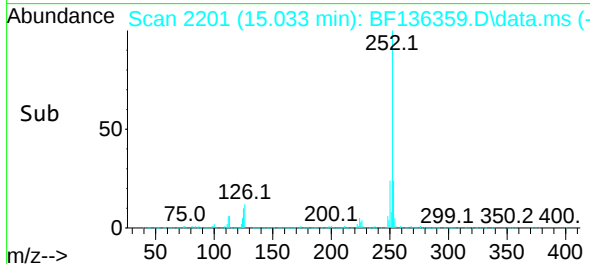
Instrument :
BNA_F
ClientSampleId :
COMP-4



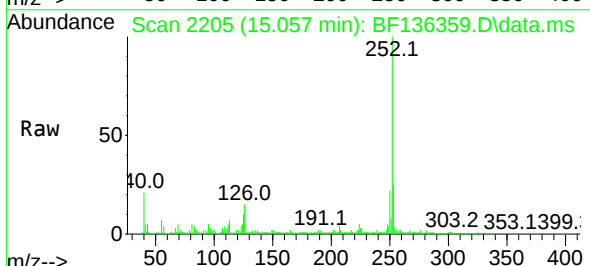
Tgt Ion:252 Resp: 16645
Ion Ratio Lower Upper
252 100
253 24.3 16.2 24.2
125 11.0 6.9 10.3

Manual Integrations
APPROVED

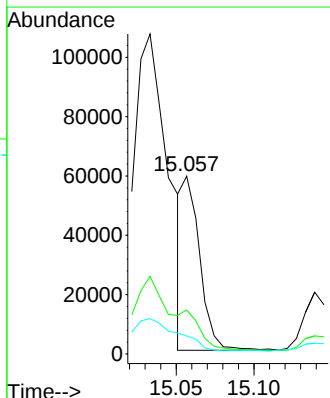
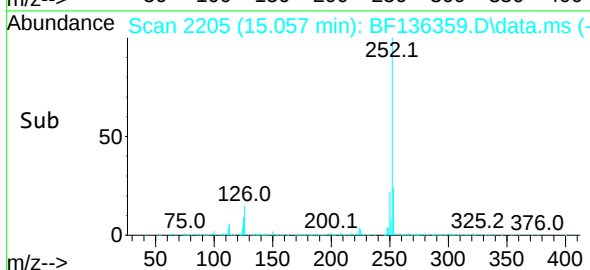
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

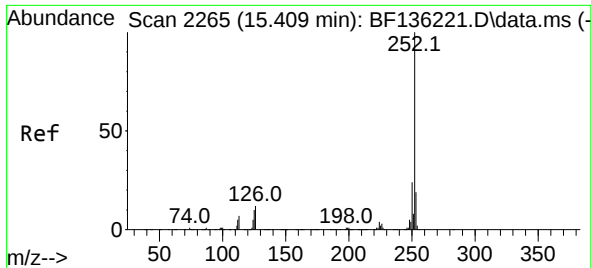


#89
Benzo(k)fluoranthene
Concen: 2.801 ng m
RT: 15.057 min Scan# 2205
Delta R.T. -0.011 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01



Tgt Ion:252 Resp: 45242
Ion Ratio Lower Upper
252 100
253 24.8 15.6 23.4
125 10.2 7.0 10.4





#90
Benzo(a)pyrene
Concen: 7.065 ng
RT: 15.398 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

Instrument :

BNA_F

ClientSampleId :

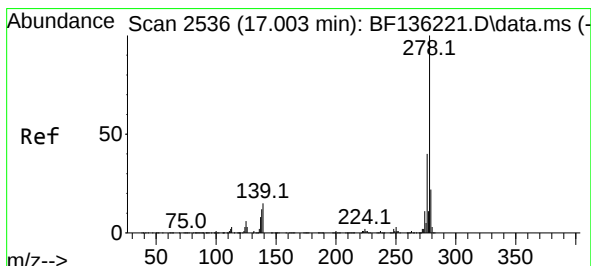
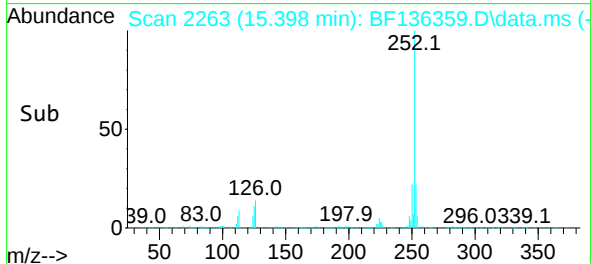
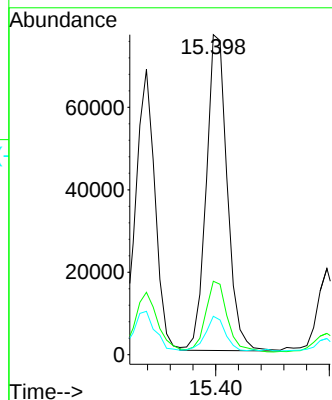
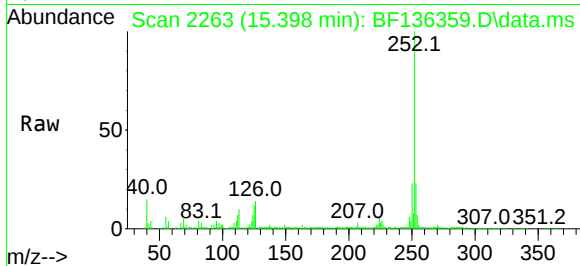
COMP-4

Tgt Ion:252 Resp: 98215
Ion Ratio Lower Upper
252 100
253 23.0 15.5 23.3
125 12.0 7.9 11.9

Manual Integrations

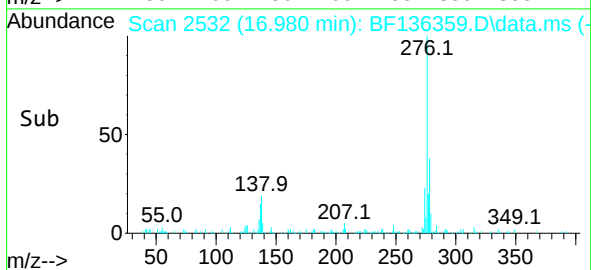
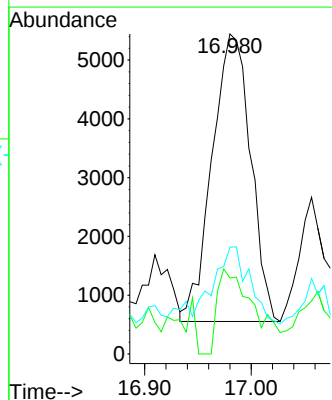
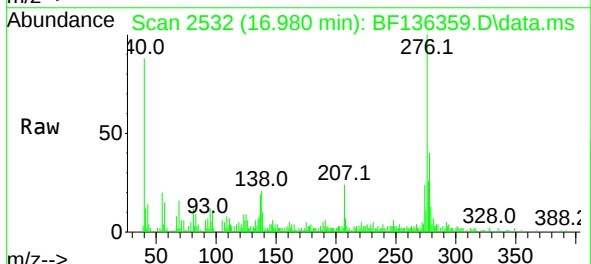
APPROVED

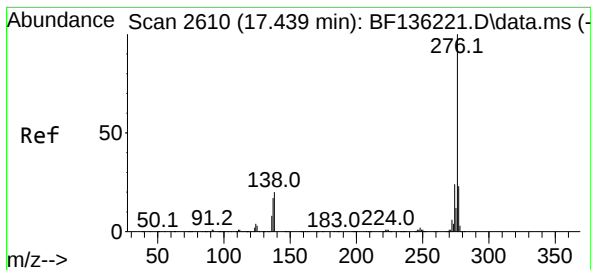
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#91
Dibenzo(a,h)anthracene
Concen: 3.511 ng
RT: 16.980 min Scan# 2532
Delta R.T. -0.023 min
Lab File: BF136359.D
Acq: 02 Dec 2023 04:01

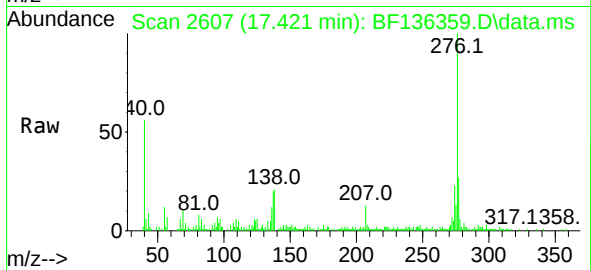
Tgt Ion:278 Resp: 12298
Ion Ratio Lower Upper
278 100
139 23.8 11.7 17.5#
279 33.3 17.8 26.8#





#92
 Benzo(g,h,i)perylene
 Concen: 4.938 ng
 RT: 17.421 min Scan# 20
 Delta R.T. -0.018 min
 Lab File: BF136359.D
 Acq: 02 Dec 2023 04:01

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4



Tgt Ion: 276 Resp: 46152
 Ion Ratio Lower Upper
 276 100
 277 26.9 18.6 27.8
 138 20.9 15.8 23.8

Manual Integrations
 APPROVED

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

