

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136371.D
 Acq On : 02 Dec 2023 10:28
 Operator : CG\JU
 Sample : 05434-13
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-7

Manual Integrations
 APPROVED

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

Quant Time: Dec 03 07:25:03 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	107835	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	347576	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	141177	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	273449	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	243686	20.000	ng	0.00
86) Perylene-d12	15.468	264	172919	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	589368	76.071	ng	0.00
7) Phenol-d6	6.440	99	626503	64.672	ng	0.00
23) Nitrobenzene-d5	7.363	82	372812	56.680	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	135555	78.537	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	623074	56.373	ng	-0.01
79) Terphenyl-d14	12.927	244	806456	38.174	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	102425	6.664	ng	# 95
75) Fluoranthene	12.551	202	253704	16.261	ng	94
78) Pyrene	12.780	202	251043	9.407	ng	96
81) Benzo(a)anthracene	13.974	228	114049	6.301	ng	95
83) Chrysene	14.010	228	121106	6.930	ng	94
87) Indeno(1,2,3-cd)pyrene	16.968	276	40402	5.630	ng	96
88) Benzo(b)fluoranthene	15.033	252	111291m	9.174	ng	
89) Benzo(k)fluoranthene	15.063	252	38722m	3.361	ng	
90) Benzo(a)pyrene	15.404	252	67528	6.809	ng	94
91) Dibenzo(a,h)anthracene	16.980	278	10166	3.638	ng	# 85
92) Benzo(g,h,i)perylene	17.427	276	39803	5.573	ng	96

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

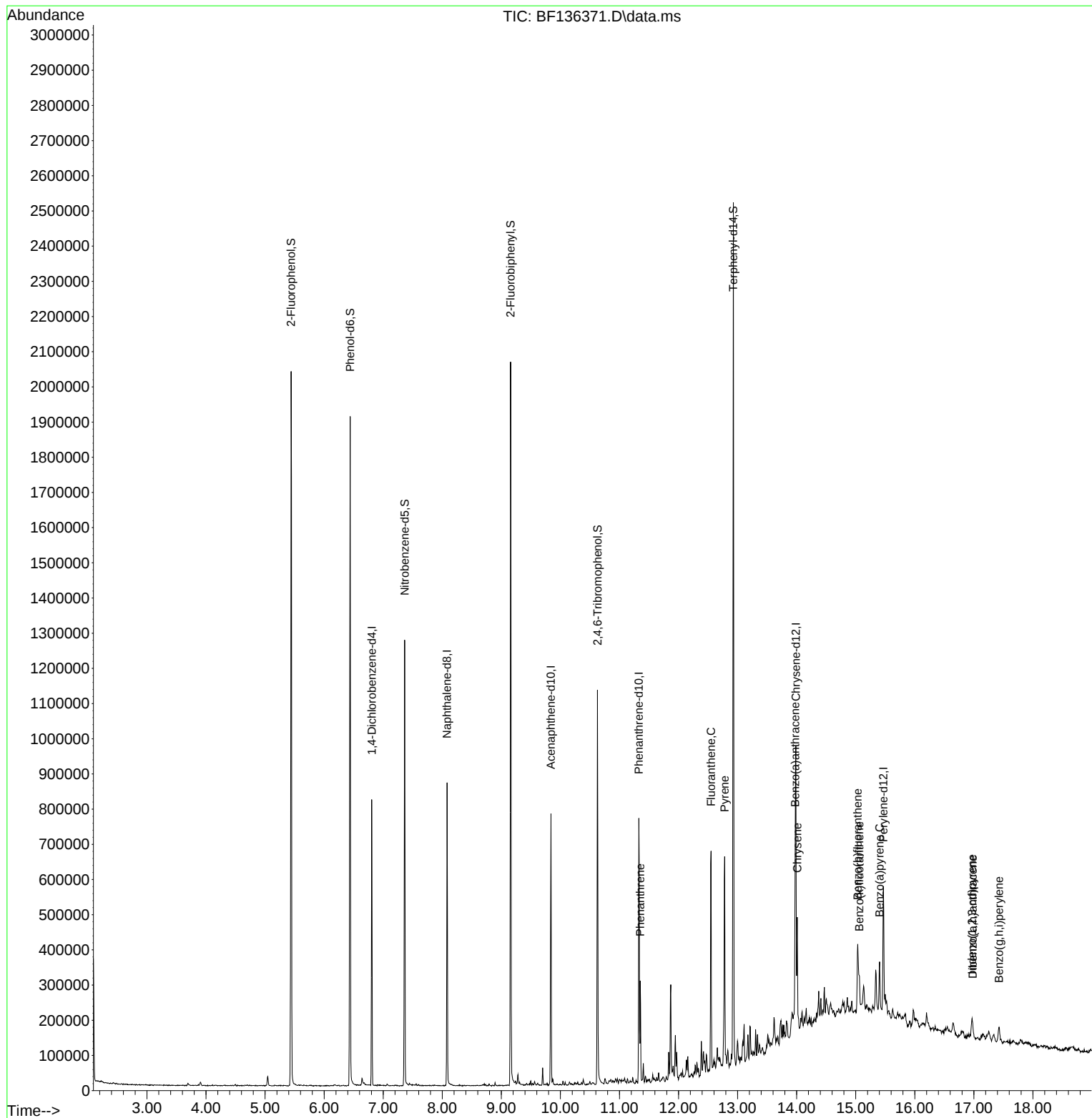
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
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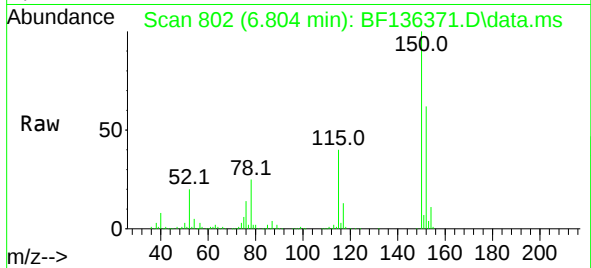
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

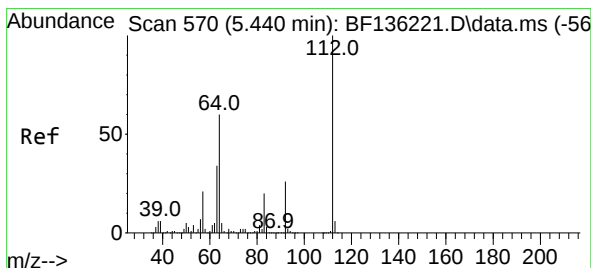
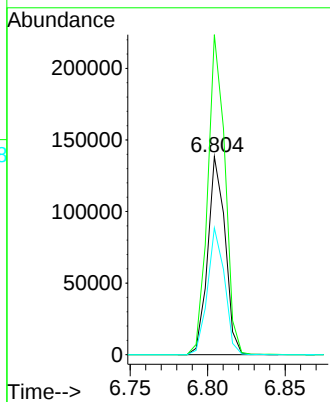
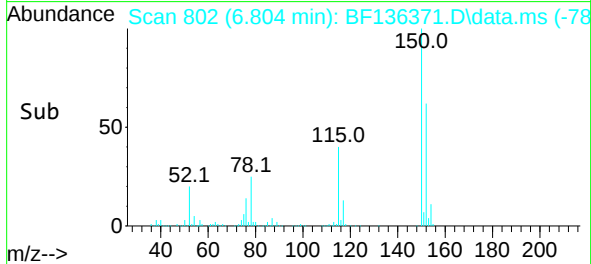
Instrument :
BNA_F
ClientSampleId :
COMP-7



Tgt Ion:152 Resp: 107835
Ion Ratio Lower Upper
152 100
150 161.5 137.8 206.8
115 63.9 52.7 79.1

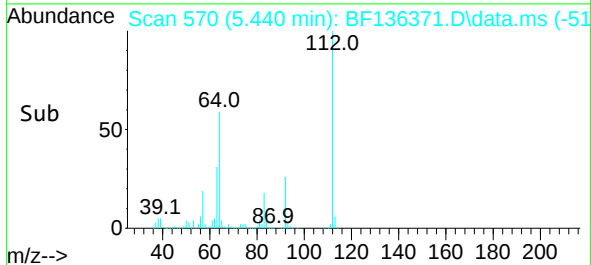
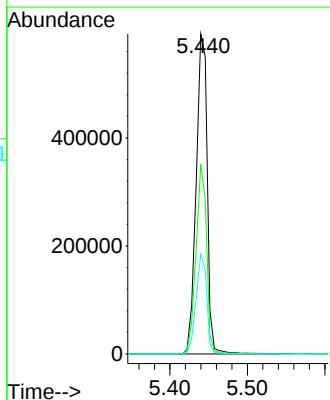
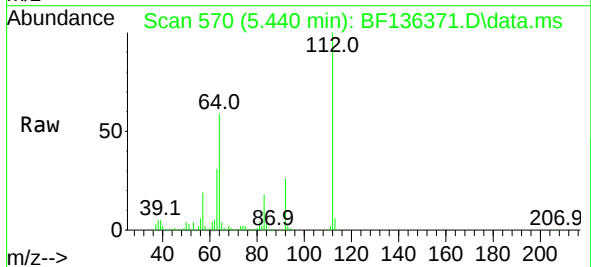
Manual Integrations
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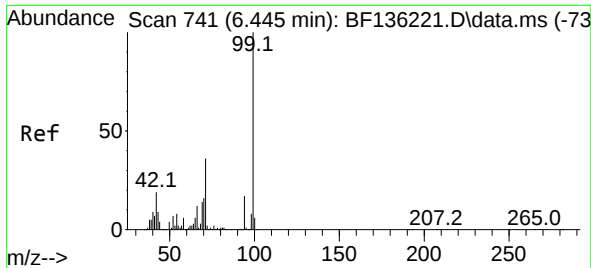
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#5
2-Fluorophenol
Concen: 76.071 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

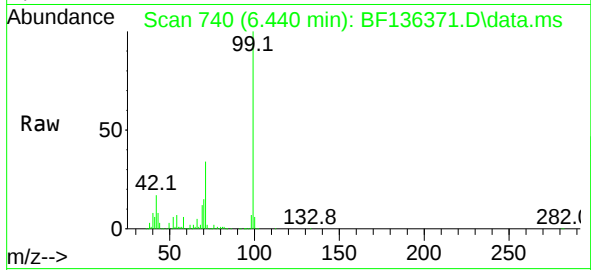
Tgt Ion:112 Resp: 589368
Ion Ratio Lower Upper
112 100
64 59.3 48.2 72.4
63 31.2 27.0 40.6





#7
Phenol-d6
Concen: 64.672 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

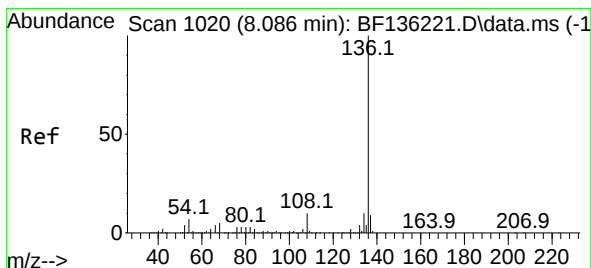
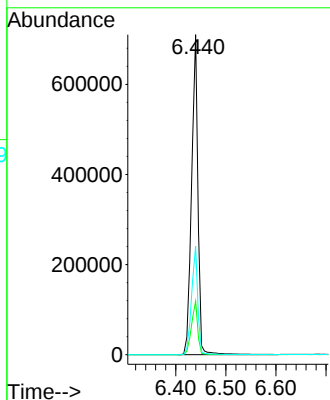
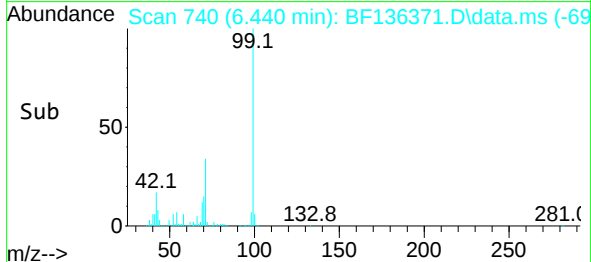
Instrument :
BNA_F
ClientSampleId :
COMP-7



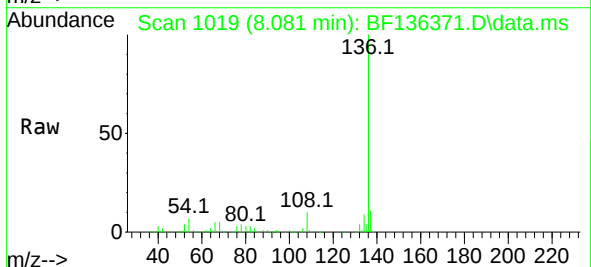
Tgt Ion: 99 Resp: 626500
Ion Ratio Lower Upper
99 100
42 16.7 15.0 22.6
71 33.9 28.9 43.3

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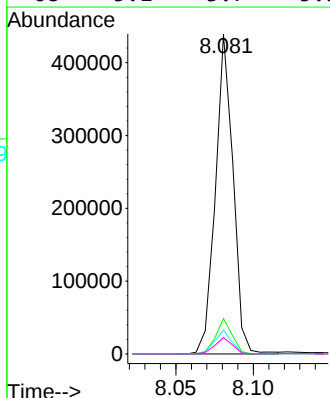
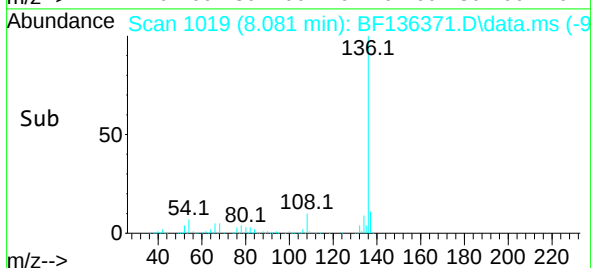
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28



Tgt Ion:136 Resp: 347576
Ion Ratio Lower Upper
136 100
137 11.1 7.4 11.2
54 7.4 5.5 8.3
68 5.1 3.7 5.5





#23

Nitrobenzene-d5

Concen: 56.680 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136371.D

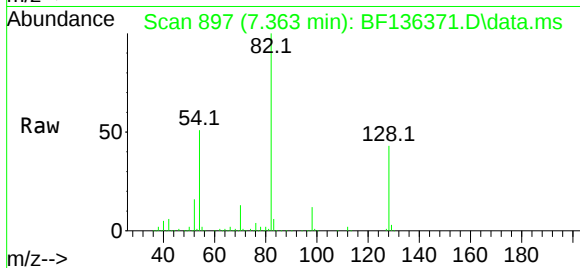
Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

COMP-7



Tgt Ion: 82 Resp: 37281

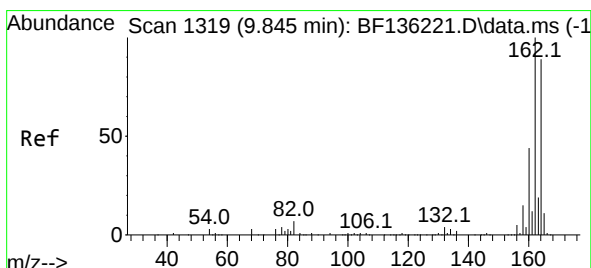
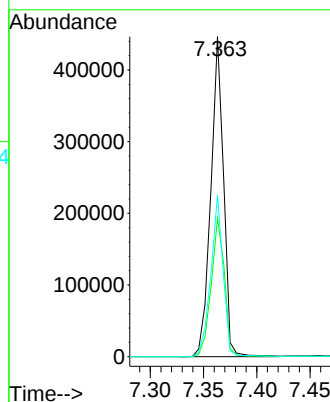
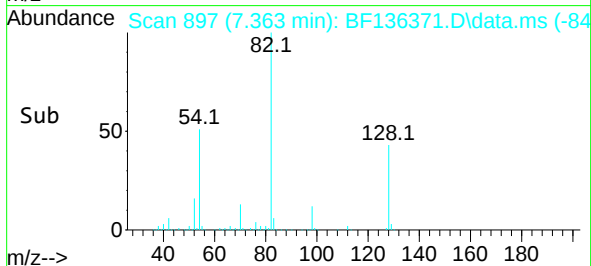
Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.4	50.2
54	50.5	41.7	62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

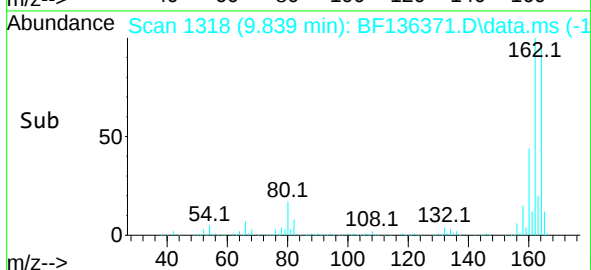
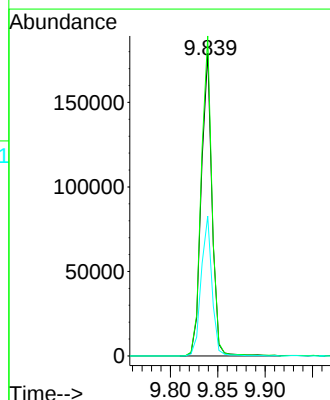
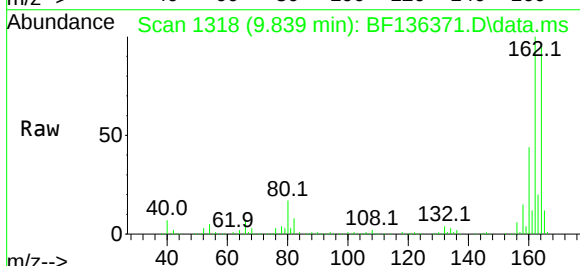
Delta R.T. -0.006 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Tgt Ion:164 Resp: 141177

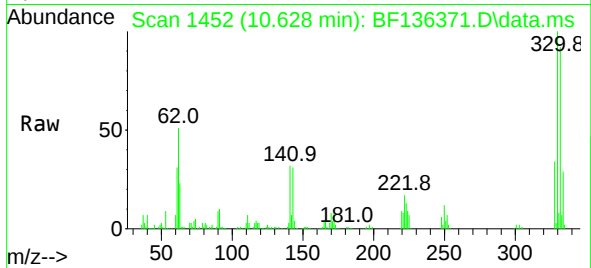
Ion	Ratio	Lower	Upper
164	100		
162	105.7	89.5	134.3
160	46.2	39.6	59.4





#42
2,4,6-Tribromophenol
Concen: 78.537 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

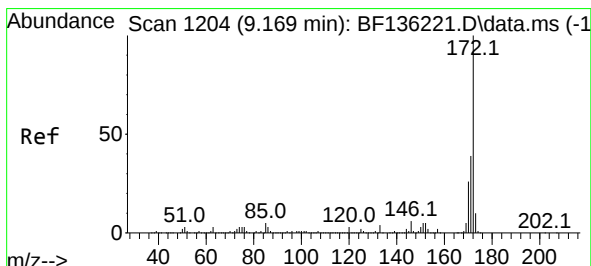
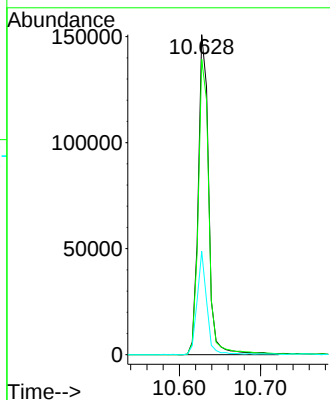
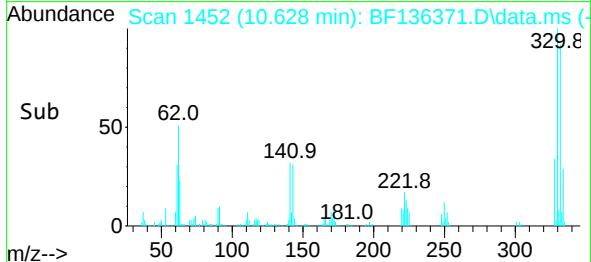
Instrument :
BNA_F
ClientSampleId :
COMP-7



Tgt Ion:330 Resp: 135558
Ion Ratio Lower Upper
330 100
332 94.7 73.0 109.6
141 29.9 24.2 36.2

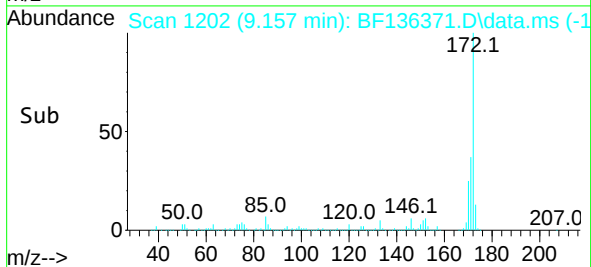
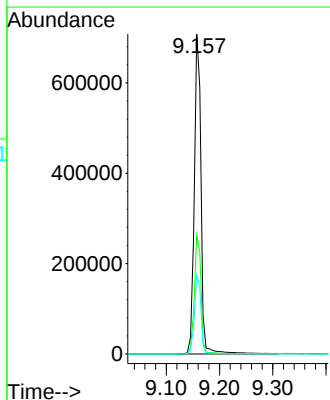
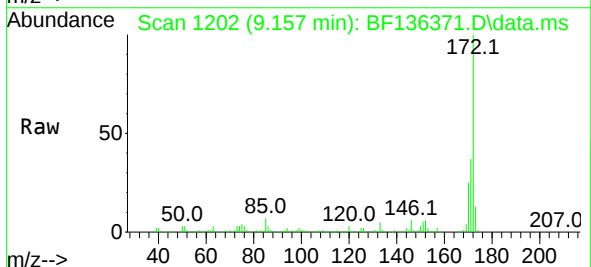
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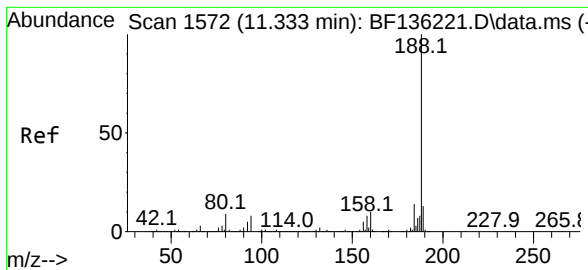
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#45
2-Fluorobiphenyl
Concen: 56.373 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

Tgt Ion:172 Resp: 623074
Ion Ratio Lower Upper
172 100
171 37.1 31.5 47.3
170 24.7 20.8 31.2





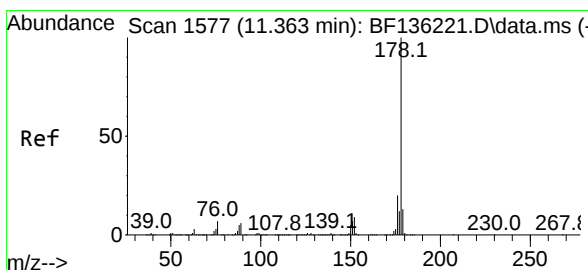
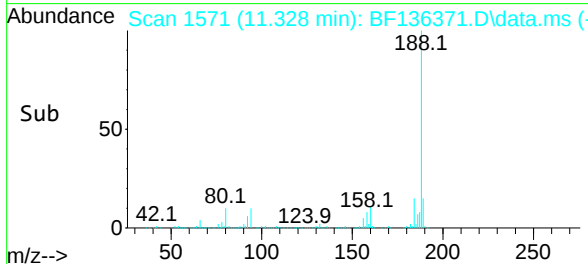
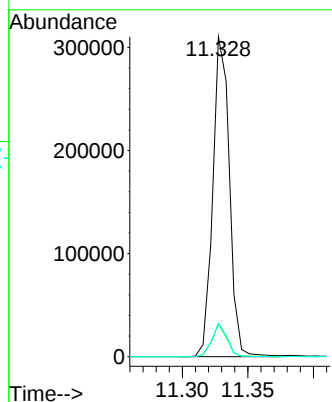
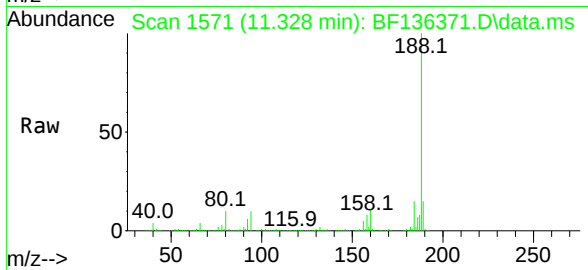
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.005 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

Instrument :
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ClientSampleId :
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Tgt Ion:188 Resp: 273449
Ion Ratio Lower Upper
188 100
94 10.2 6.7 10.1
80 10.4 7.2 10.8

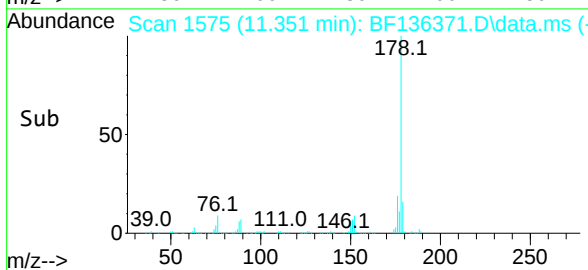
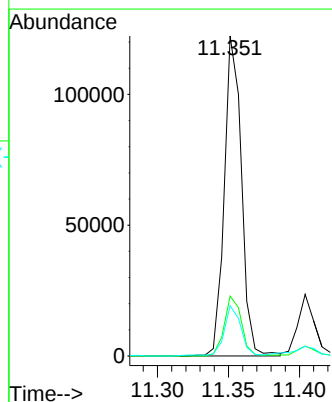
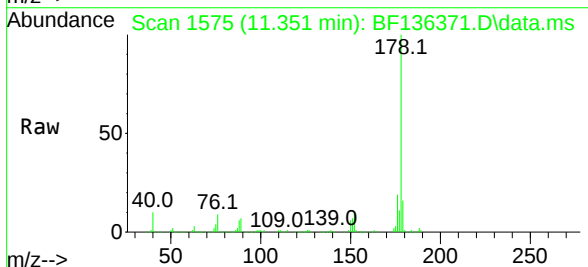
Manual Integrations
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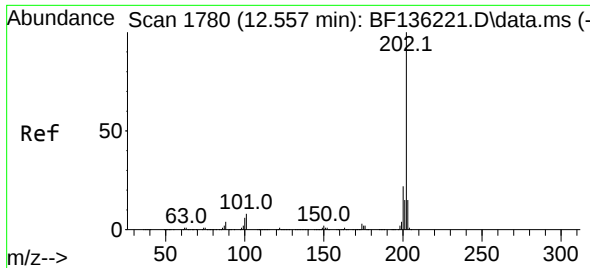
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#71
Phenanthrene
Concen: 6.664 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

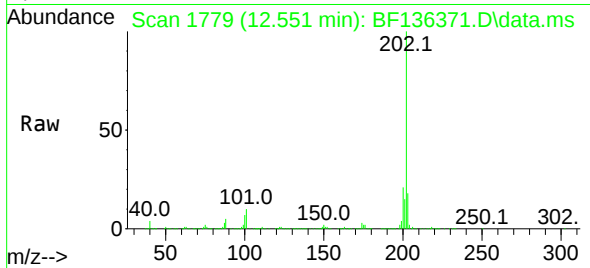
Tgt Ion:178 Resp: 102425
Ion Ratio Lower Upper
178 100
176 18.7 16.2 24.2
179 15.7 10.3 15.5





#75
Fluoranthene
Concen: 16.261 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28

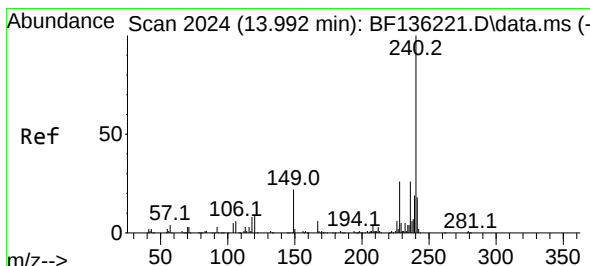
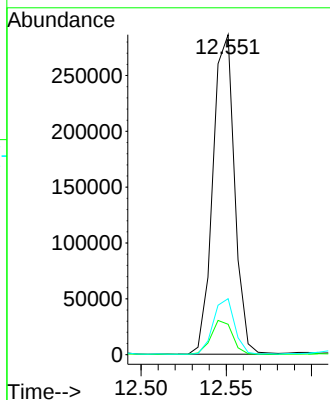
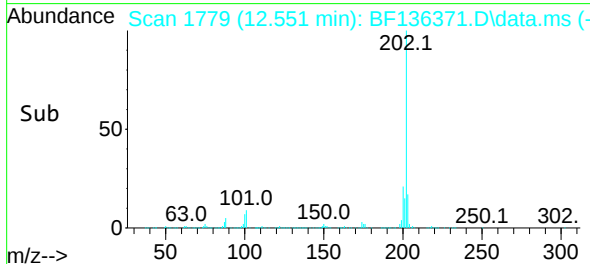
Instrument :
BNA_F
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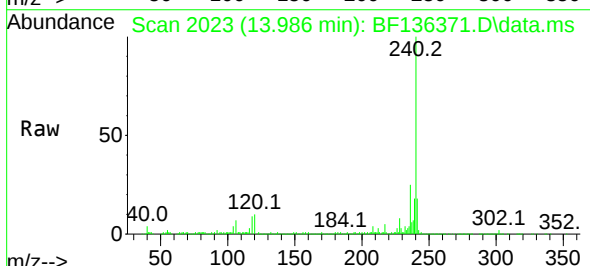
Tgt Ion:202 Resp: 253704
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.8
203 17.5 0.0 34.5

Manual Integrations
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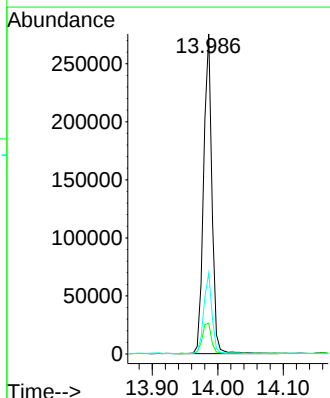
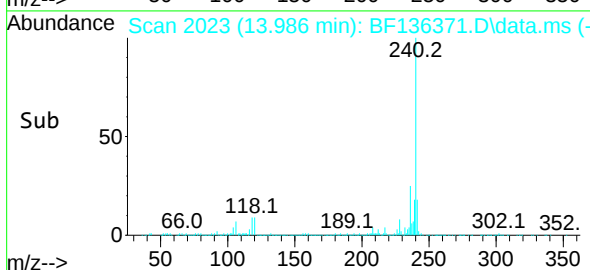
Reviewed By :Yogesh Patel 12/04/2023
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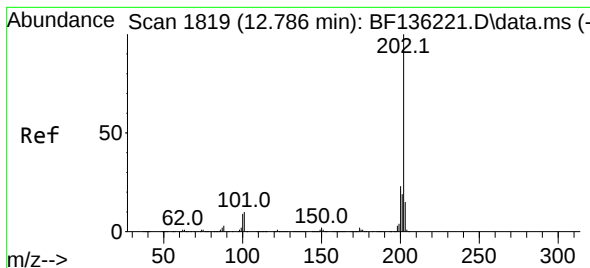


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF136371.D
Acq: 02 Dec 2023 10:28



Tgt Ion:240 Resp: 243686
Ion Ratio Lower Upper
240 100
120 9.6 7.4 11.2
236 25.3 21.1 31.7





#78

Pyrene

Concen: 9.407 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

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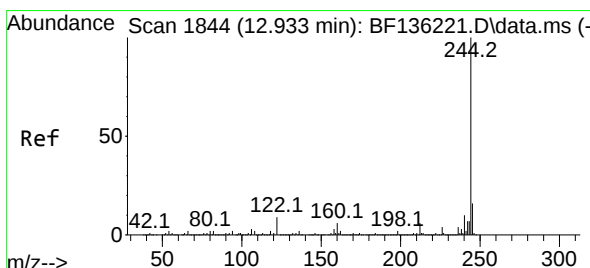
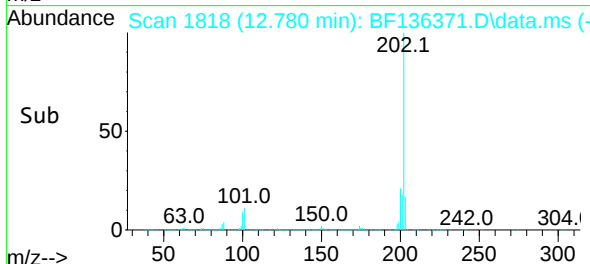
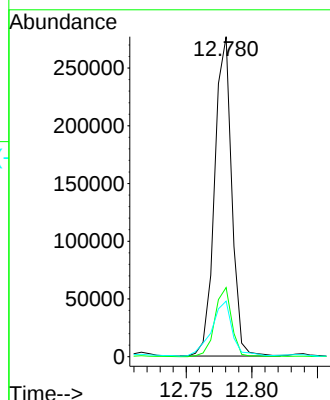
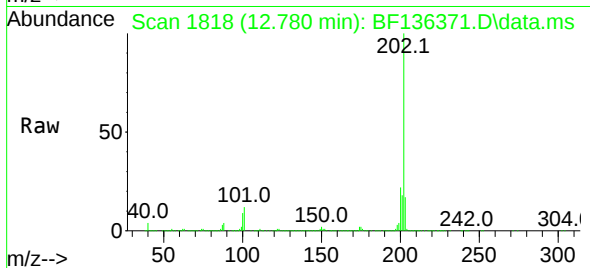
Tgt Ion:	202	Resp:	25104
Ion Ratio	Lower	Upper	
202	100		
200	21.6	18.4	27.6
203	17.4	11.8	17.6

Manual Integrations

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Supervised By :mohammad ahmed 12/05/2023



#79

Terphenyl-d14

Concen: 38.174 ng

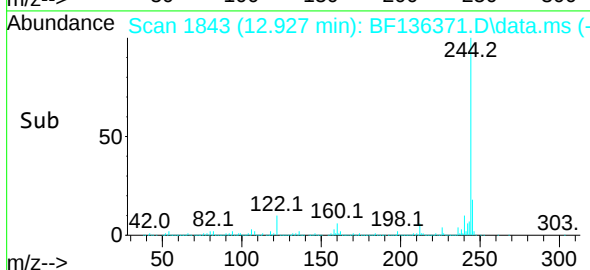
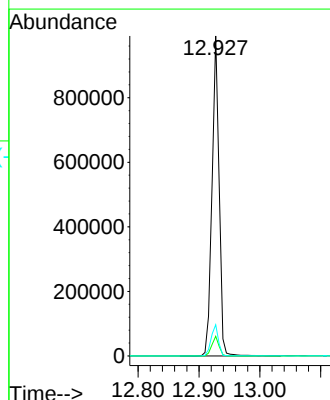
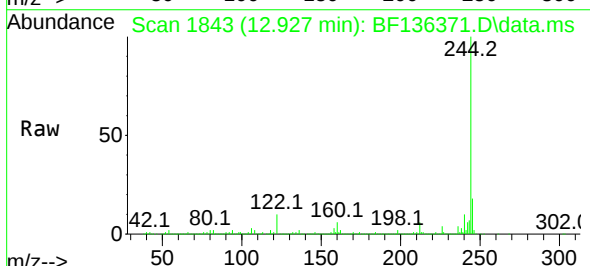
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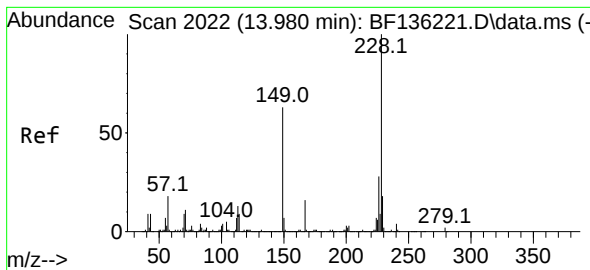
Delta R.T. -0.006 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Tgt Ion:	244	Resp:	806456
Ion Ratio	Lower	Upper	
244	100		
212	6.1	4.6	7.0
122	9.7	7.3	10.9





#81

Benzo(a)anthracene

Concen: 6.301 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:228 Resp: 114049

Ion Ratio Lower Upper

228 100

226 31.7 22.6 34.0

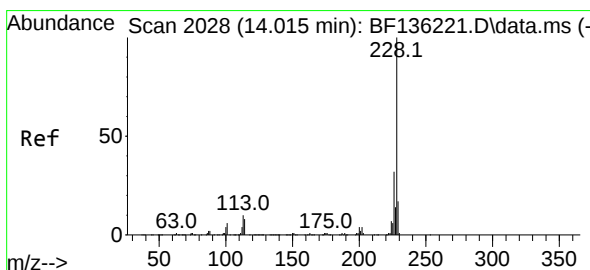
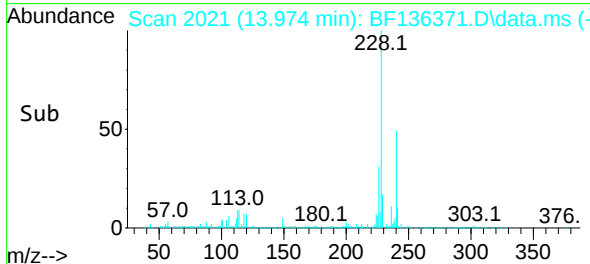
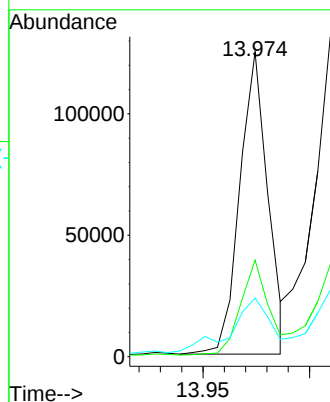
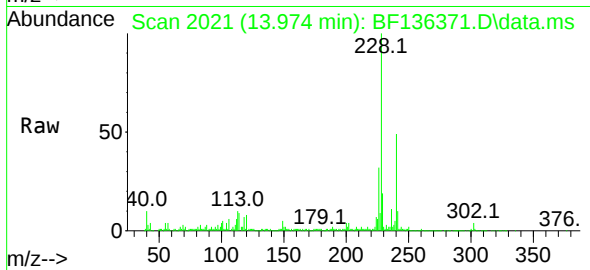
229 19.2 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#83

Chrysene

Concen: 6.930 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

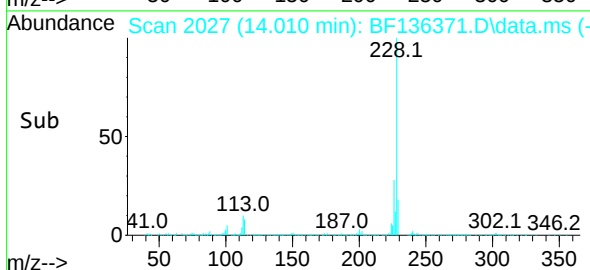
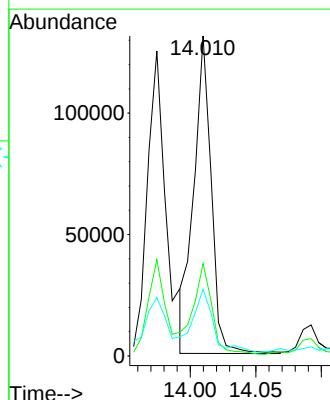
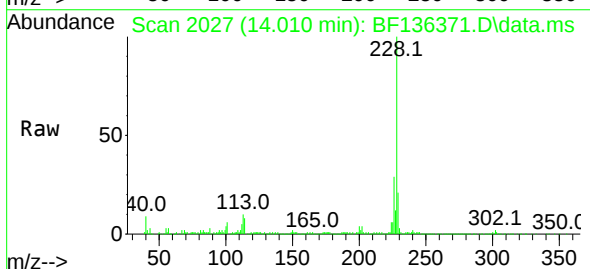
Tgt Ion:228 Resp: 121106

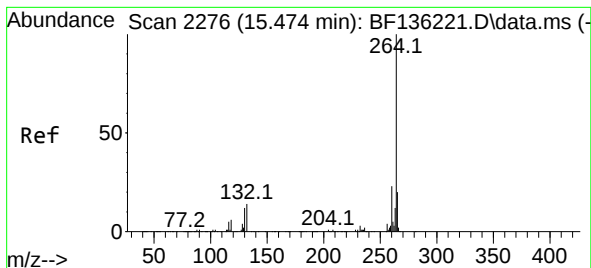
Ion Ratio Lower Upper

228 100

226 28.8 25.5 38.3

229 20.8 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: BF136371.D

Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

COMP-7

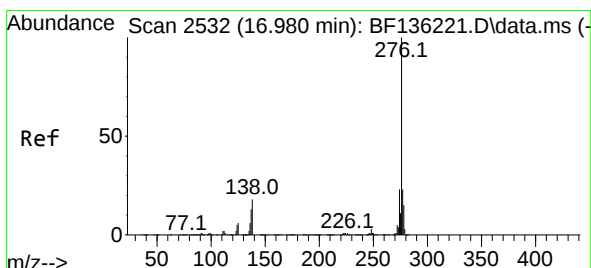
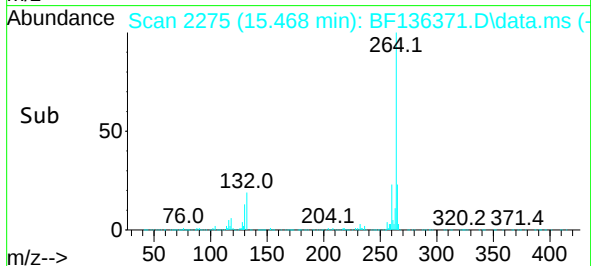
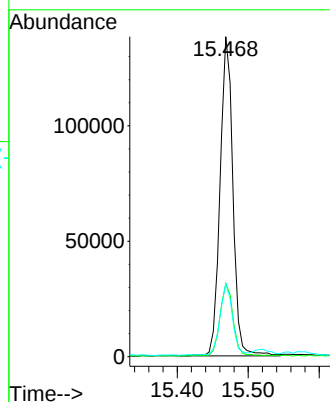
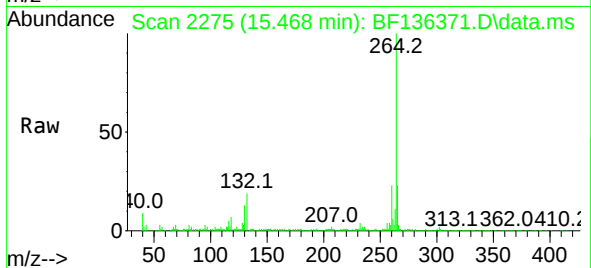
Tgt Ion:	264	Resp:	172919
Ion Ratio	Lower	Upper	
264	100		
260	22.9	18.6	27.8
265	22.8	15.7	23.5

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: 5.630 ng

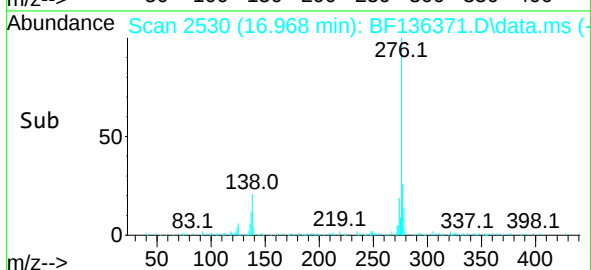
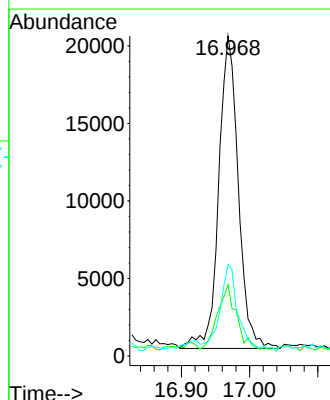
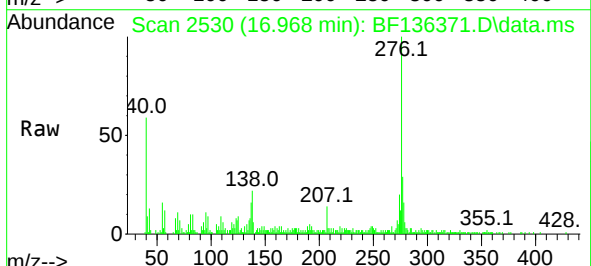
RT: 16.968 min Scan# 2530

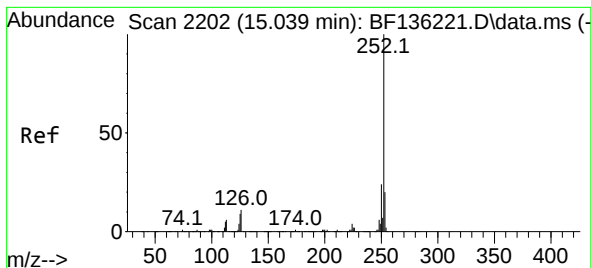
Delta R.T. -0.012 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Tgt Ion:	276	Resp:	40402
Ion Ratio	Lower	Upper	
276	100		
138	19.6	17.7	26.5
277	23.5	19.6	29.4





#88

Benzo(b)fluoranthene

Concen: 9.174 ng m

RT: 15.033 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

COMP-7

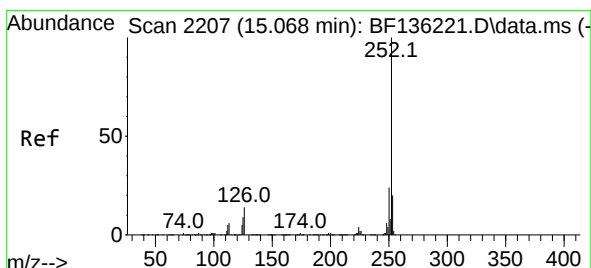
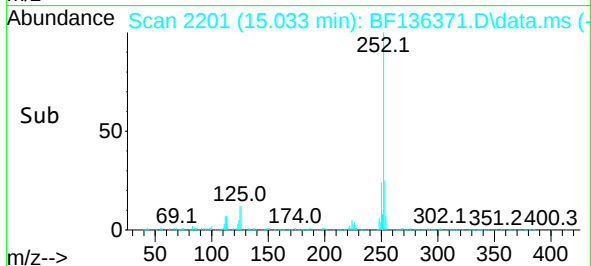
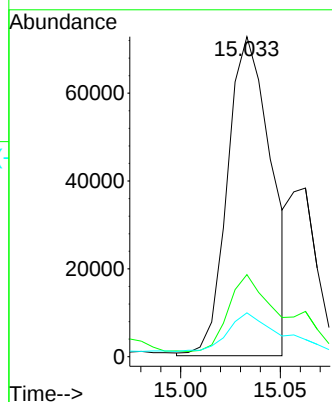
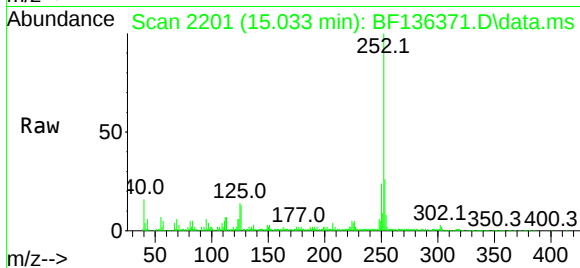
Tgt Ion:252 Resp: 11129
 Ion Ratio Lower Upper
 252 100
 253 25.6 16.2 24.2
 125 13.7 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#89

Benzo(k)fluoranthene

Concen: 3.361 ng m

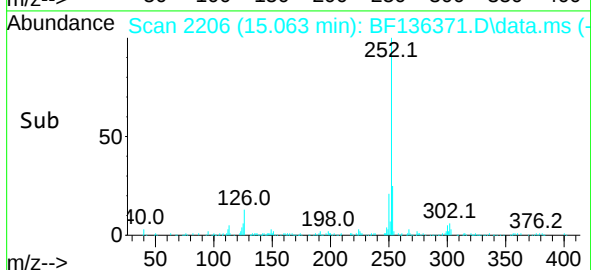
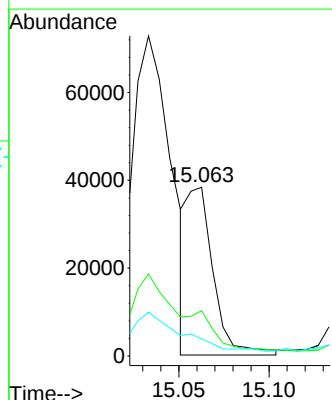
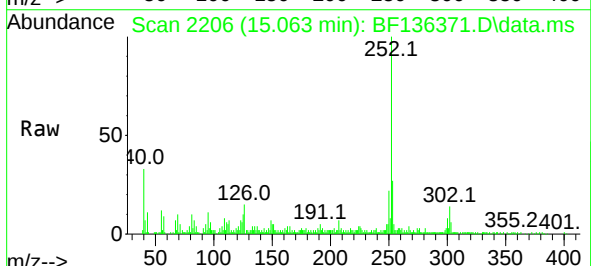
RT: 15.063 min Scan# 2206

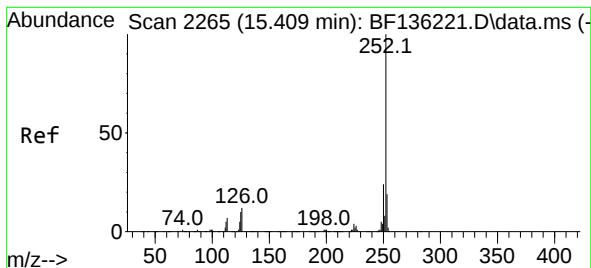
Delta R.T. -0.005 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Tgt Ion:252 Resp: 38722
 Ion Ratio Lower Upper
 252 100
 253 26.9 15.6 23.4
 125 10.1 7.0 10.4





#90

Benzo(a)pyrene

Concen: 6.809 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

Instrument :

BNA_F

ClientSampleId :

COMP-7

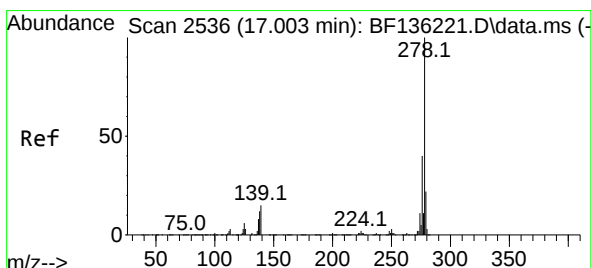
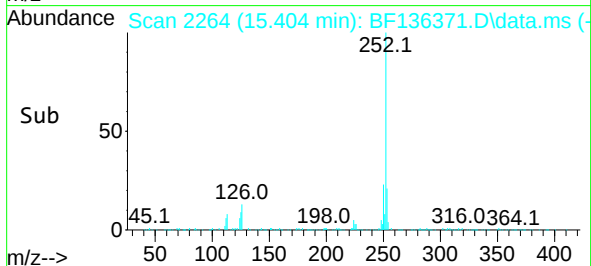
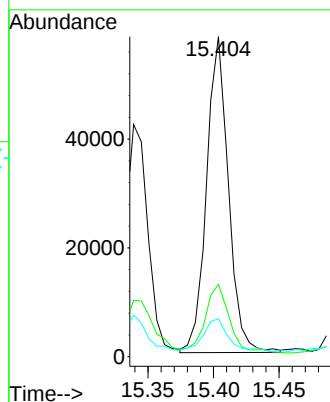
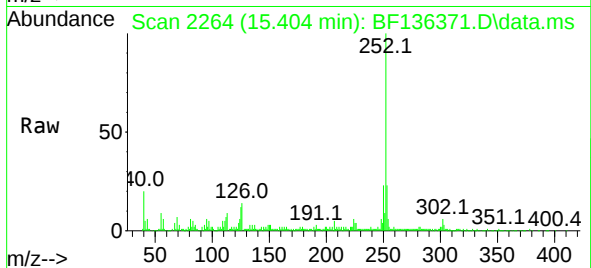
Tgt Ion:	252	Resp:	67528
Ion Ratio	Lower	Upper	
252	100		
253	22.5	15.5	23.3
125	11.9	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.638 ng

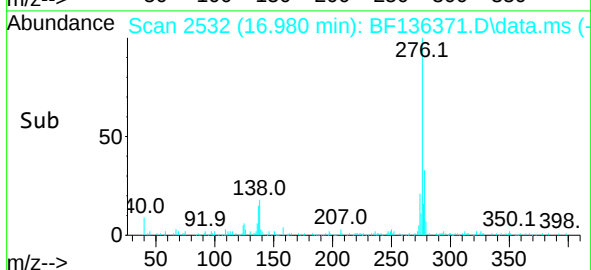
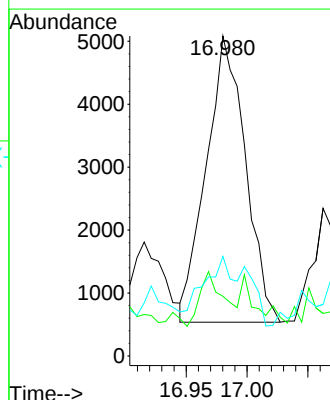
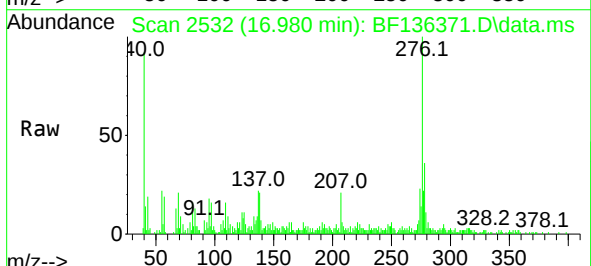
RT: 16.980 min Scan# 2532

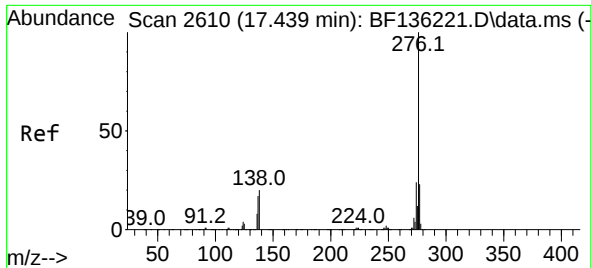
Delta R.T. -0.023 min

Lab File: BF136371.D

Acq: 02 Dec 2023 10:28

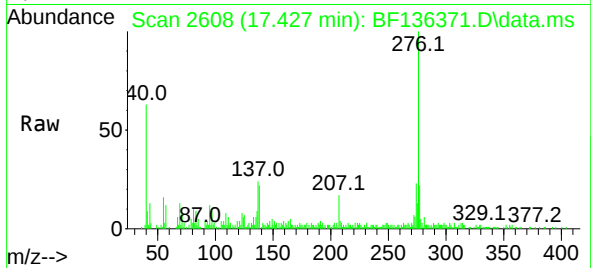
Tgt Ion:	278	Resp:	10166
Ion Ratio	Lower	Upper	
278	100		
139	18.7	11.7	17.5#
279	31.1	17.8	26.8#





#92
 Benzo(g,h,i)perylene
 Concen: 5.573 ng
 RT: 17.427 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF136371.D
 Acq: 02 Dec 2023 10:28

Instrument :
 BNA_F
 ClientSampleId :
 COMP-7



Tgt Ion:276	Resp:	3980
Ion Ratio	Lower	Upper
276	100	
277	21.6	18.6 27.8
138	22.1	15.8 23.8

Manual Integrations
 APPROVED

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

