

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136368.D
 Acq On : 02 Dec 2023 08:54
 Operator : CG\JU
 Sample : 05420-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12018

Manual Integrations
 APPROVED

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

Quant Time: Dec 03 07:23:49 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	102812	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	340757	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	130059	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	246926	20.000	ng	0.00
76) Chrysene-d12	13.986	240	231658	20.000	ng	0.00
86) Perylene-d12	15.468	264	178615	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	550086	74.470	ng	0.00
7) Phenol-d6	6.440	99	631799	68.405	ng	0.00
23) Nitrobenzene-d5	7.363	82	388357	60.225	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	110657	69.592	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	557524	54.754	ng	-0.01
79) Terphenyl-d14	12.927	244	653441	32.537	ng	0.00
Target Compounds						
71) Phenanthrene	11.351	178	46752	3.369	ng	95
75) Fluoranthene	12.545	202	104043	7.385	ng	94
78) Pyrene	12.775	202	84445m	3.328	ng	
81) Benzo(a)anthracene	13.974	228	51354	2.985	ng	96
83) Chrysene	14.010	228	52543m	3.163	ng	
84) Bis(2-ethylhexyl)phtha...	13.974	149	229376	24.206	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.962	276	15968	3.808	ng	96
88) Benzo(b)fluoranthene	15.033	252	53281m	4.252	ng	
90) Benzo(a)pyrene	15.404	252	29803	2.909	ng	97
91) Dibenzo(a,h)anthracene	16.986	278	5236	3.174	ng	# 82
92) Benzo(g,h,i)perylene	17.427	276	14696	3.213	ng	99

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

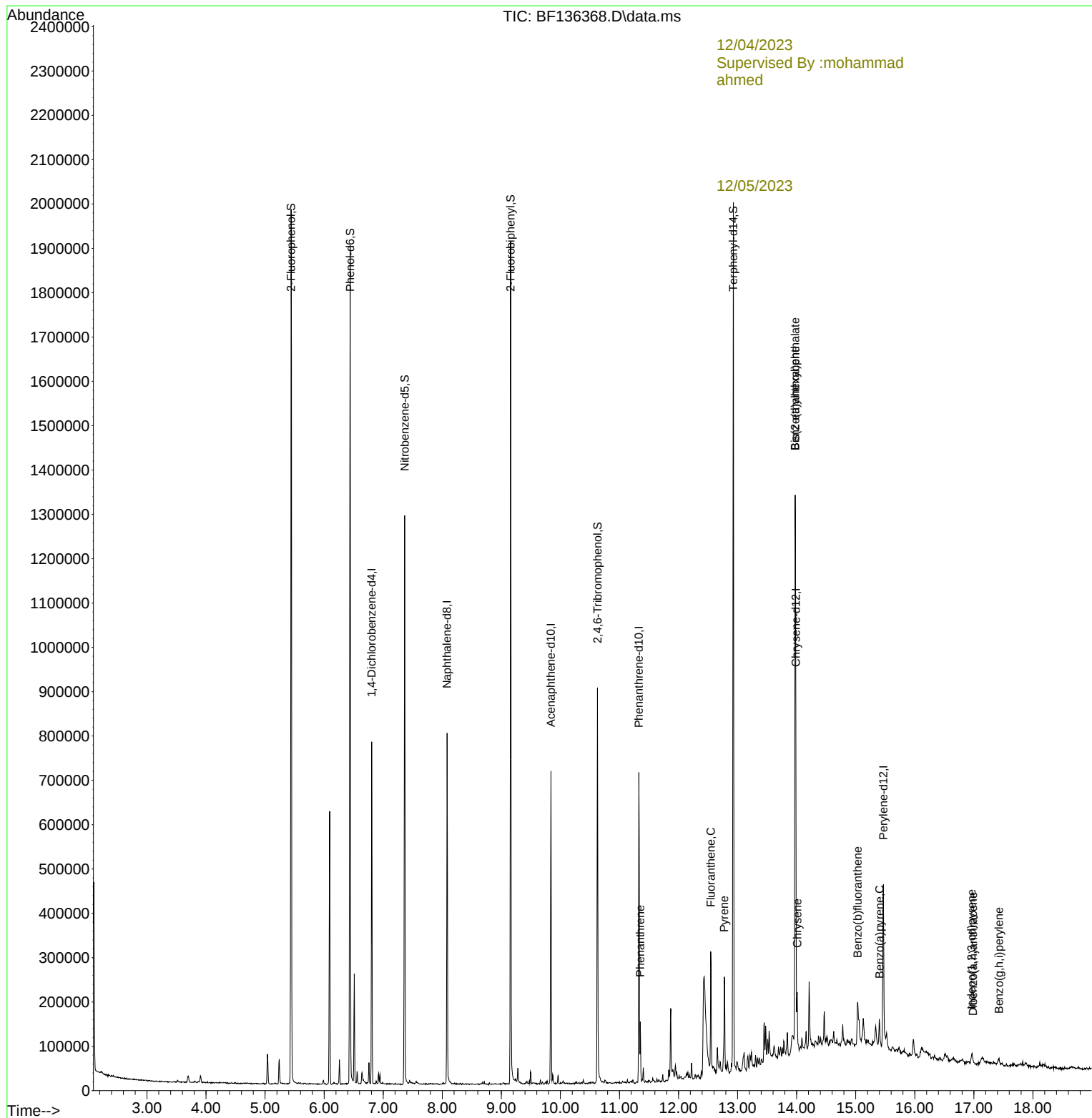
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
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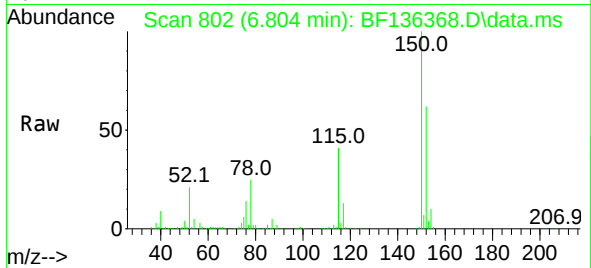
Quant Time: Dec 03 07:23:49 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 28 03:04:20 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Instrument :
BNA_F
ClientSampleId :
72-12018



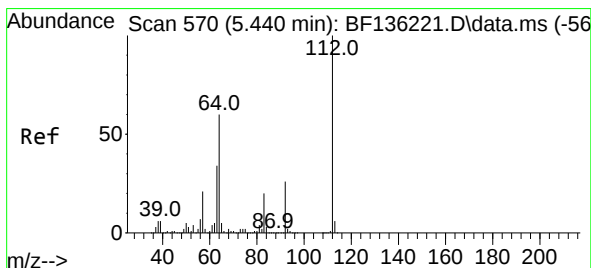
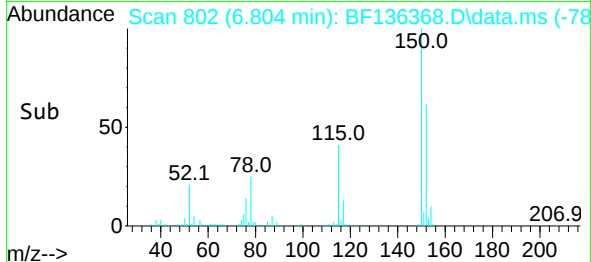
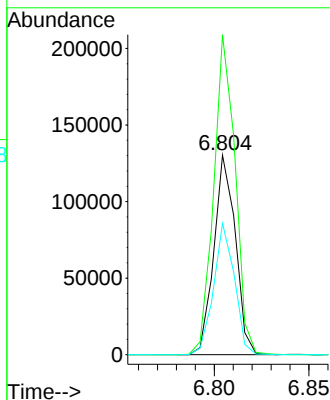
Tgt Ion:152 Resp: 10281
Ion Ratio Lower Upper
152 100
150 160.3 137.8 206.8
115 65.8 52.7 79.1

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Supervised By :mohammad ahmed 12/05/2023

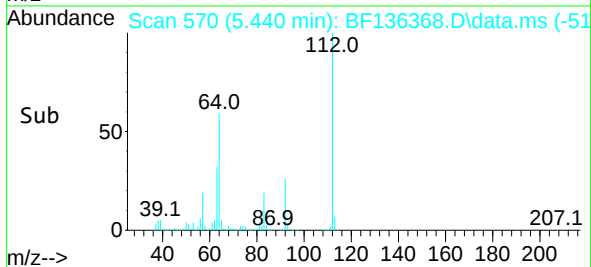
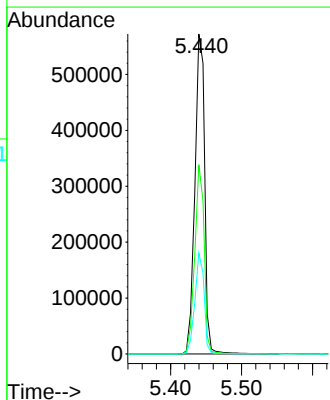
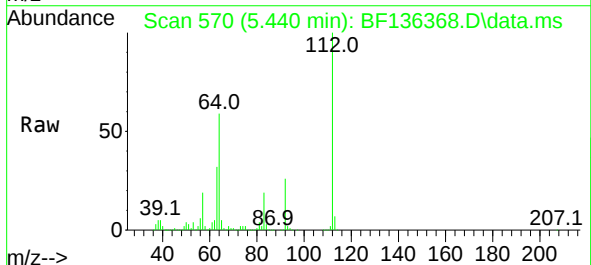
12/04/2023
Supervised By :mohammad
ahmed

12/05/2023



#5
2-Fluorophenol
Concen: 74.470 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

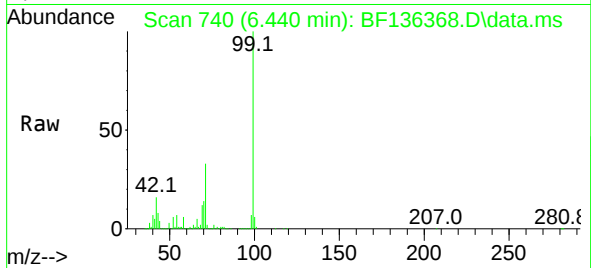
Tgt Ion:112 Resp: 550086
Ion Ratio Lower Upper
112 100
64 59.2 48.2 72.4
63 31.6 27.0 40.6





#7
Phenol-d6
Concen: 68.405 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

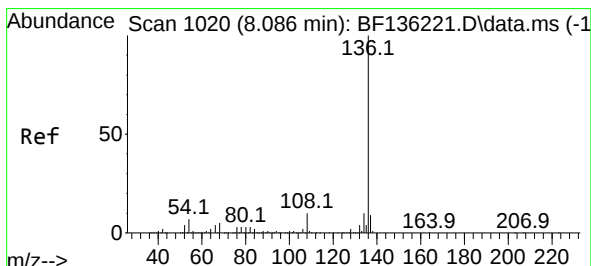
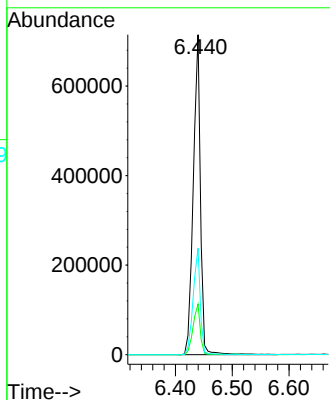
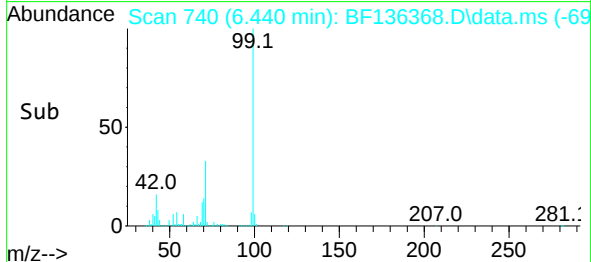
Instrument :
BNA_F
ClientSampleId :
72-12018



Tgt Ion: 99 Resp: 631799
Ion Ratio Lower Upper
99 100
42 15.8 15.0 22.6
71 33.2 28.9 43.3

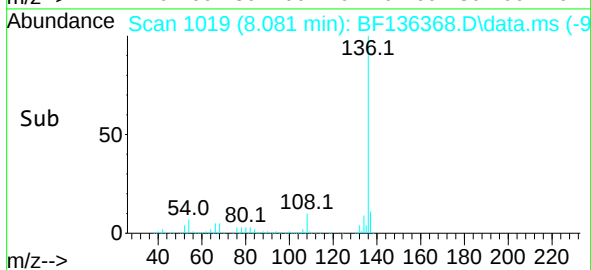
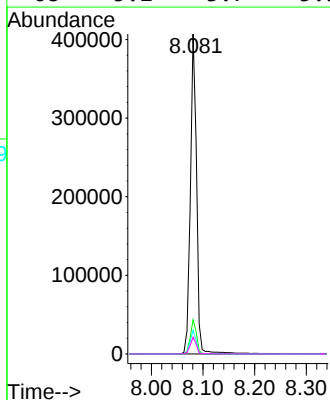
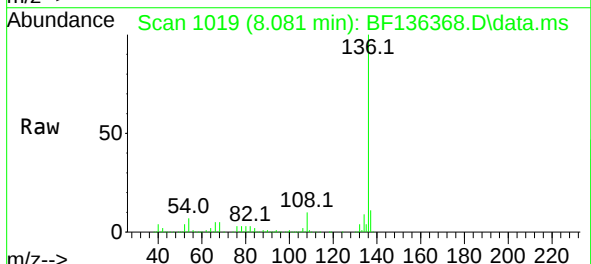
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Tgt Ion:136 Resp: 340757
Ion Ratio Lower Upper
136 100
137 10.7 7.4 11.2
54 7.4 5.5 8.3
68 5.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 60.225 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136368.D

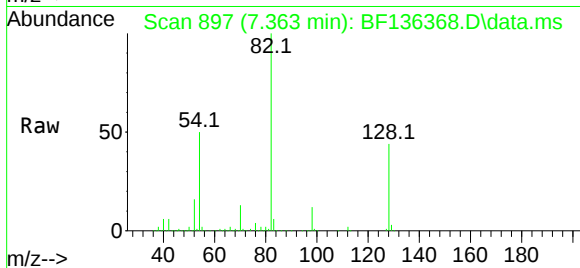
Acq: 02 Dec 2023 08:54

Instrument :

BNA_F

ClientSampleId :

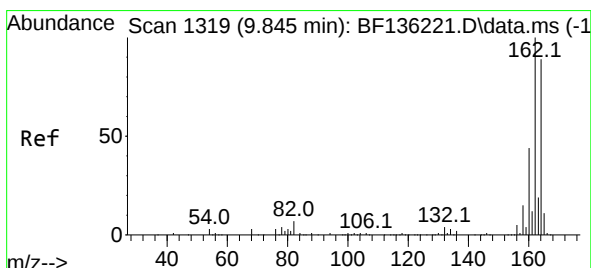
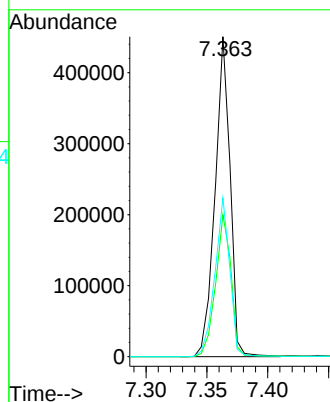
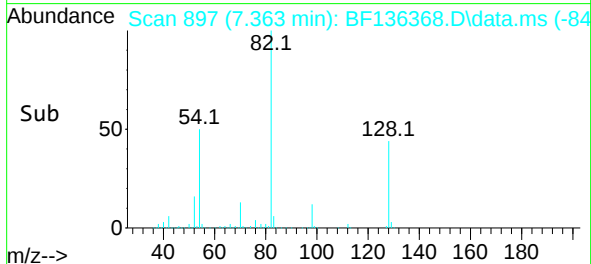
72-12018



Tgt Ion:	82	Resp:	38835
Ion	Ratio	Lower	Upper
82	100		
128	44.4	33.4	50.2
54	49.6	41.7	62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

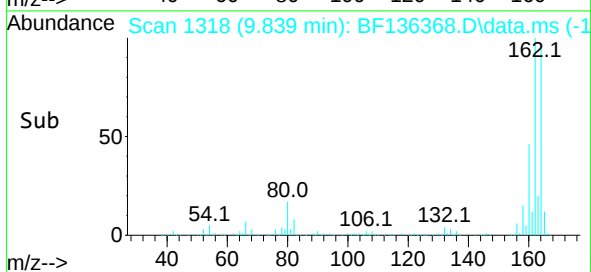
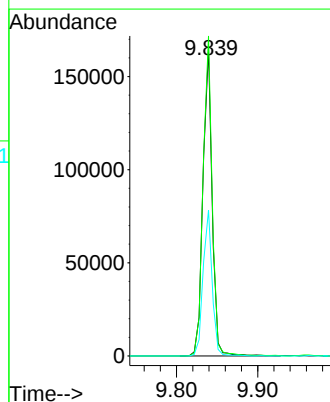
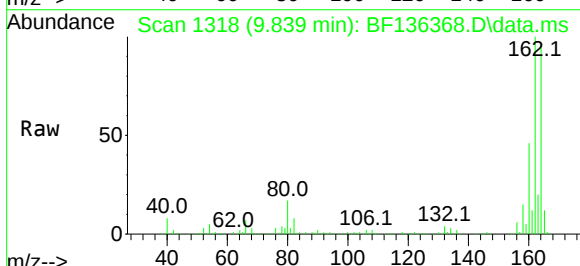
RT: 9.839 min Scan# 1318

Delta R.T. -0.006 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

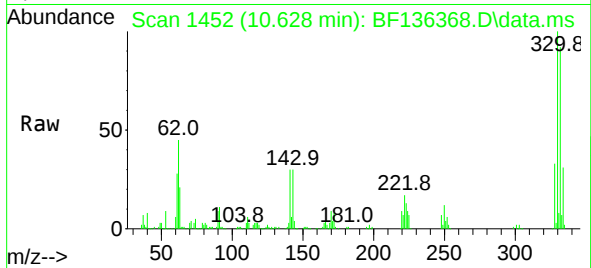
Tgt Ion:	164	Resp:	130059
Ion	Ratio	Lower	Upper
164	100		
162	104.4	89.5	134.3
160	47.6	39.6	59.4





#42
2,4,6-Tribromophenol
Concen: 69.592 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

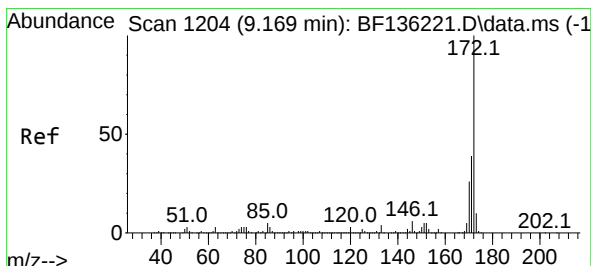
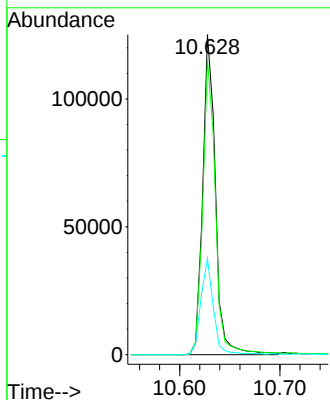
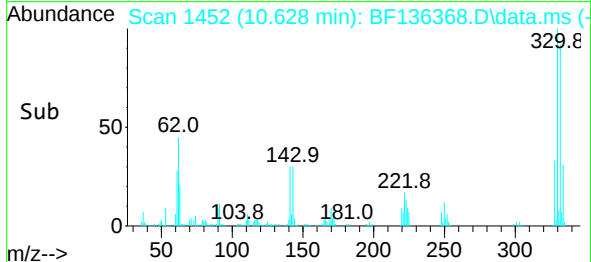
Instrument :
BNA_F
ClientSampleId :
72-12018



Tgt Ion: 330 Resp: 11065
Ion Ratio Lower Upper
330 100
332 92.7 73.0 109.6
141 29.8 24.2 36.2

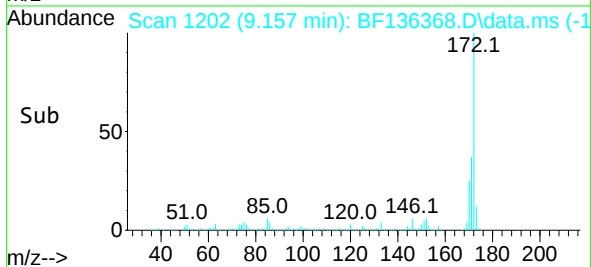
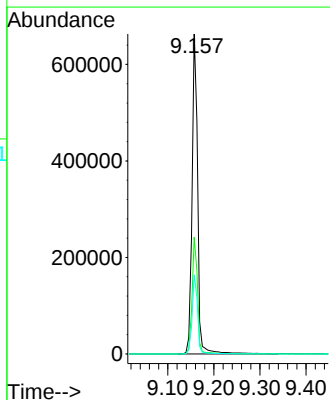
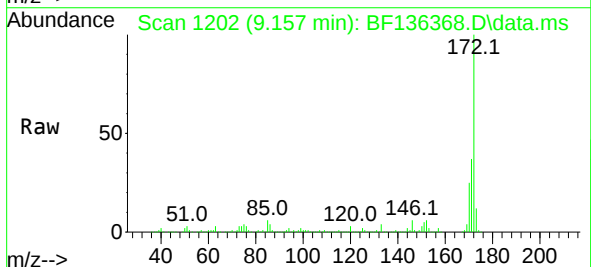
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Supervised By : mohammad ahmed 12/05/2023



#45
2-Fluorobiphenyl
Concen: 54.754 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Tgt Ion: 172 Resp: 557524
Ion Ratio Lower Upper
172 100
171 36.5 31.5 47.3
170 24.8 20.8 31.2





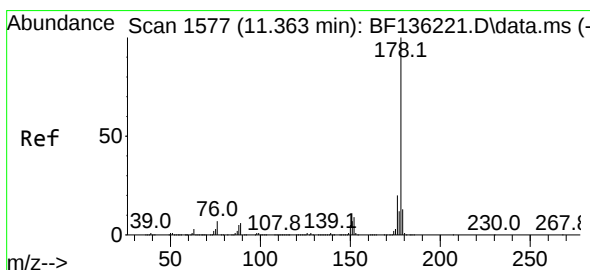
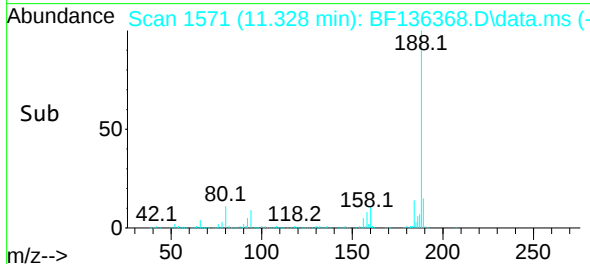
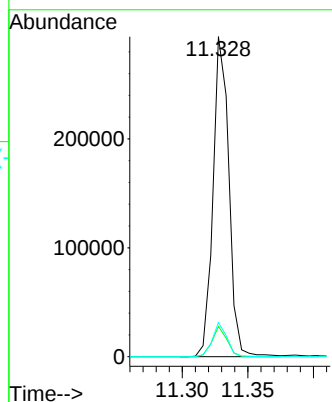
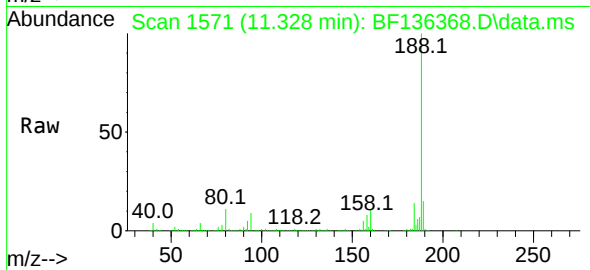
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Instrument :
BNA_F
ClientSampleId :
72-12018

Tgt Ion:188 Resp: 246920
Ion Ratio Lower Upper
188 100
94 9.5 6.7 10.1
80 10.7 7.2 10.8

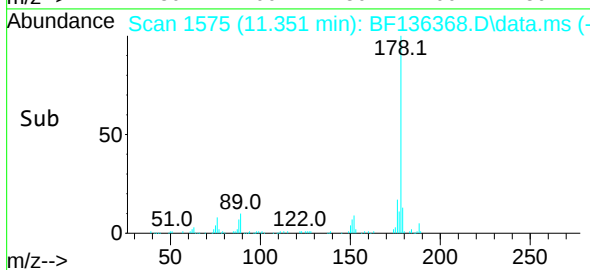
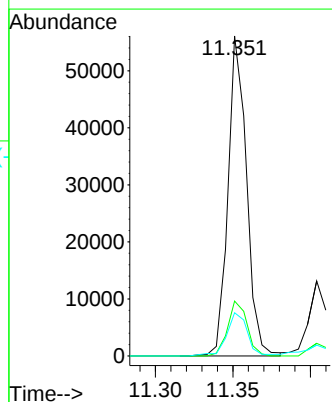
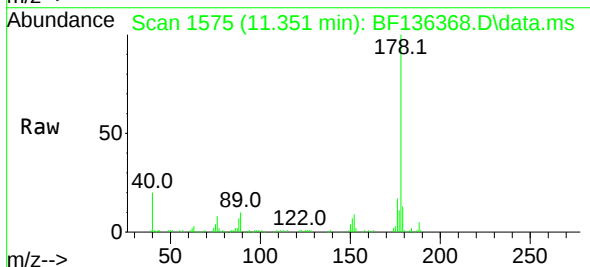
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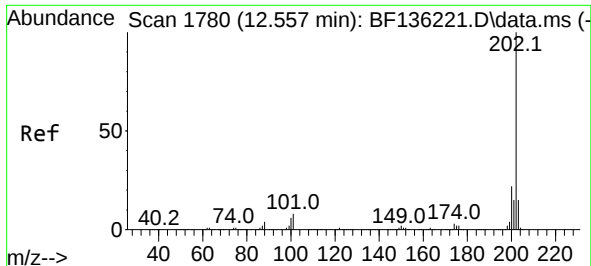
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#71
Phenanthrene
Concen: 3.369 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

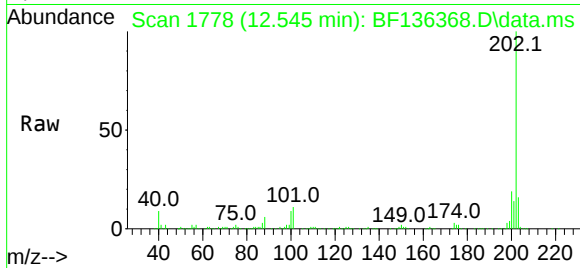
Tgt Ion:178 Resp: 46752
Ion Ratio Lower Upper
178 100
176 17.1 16.2 24.2
179 13.5 10.3 15.5





#75
Fluoranthene
Concen: 7.385 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

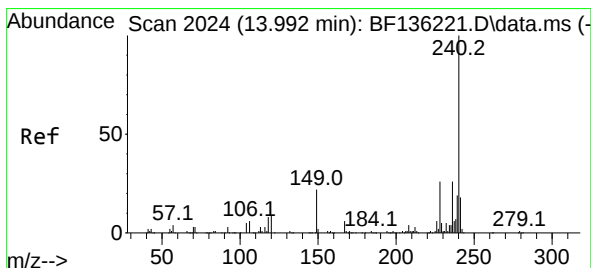
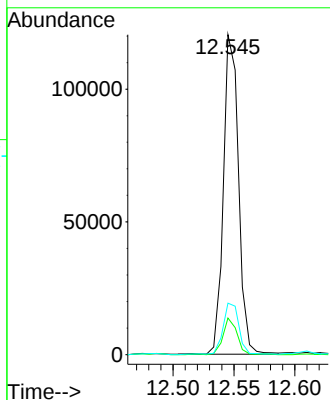
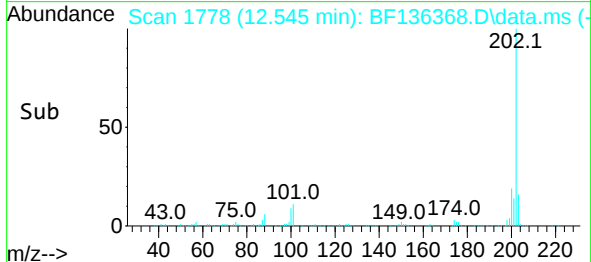
Instrument :
BNA_F
ClientSampleId :
72-12018



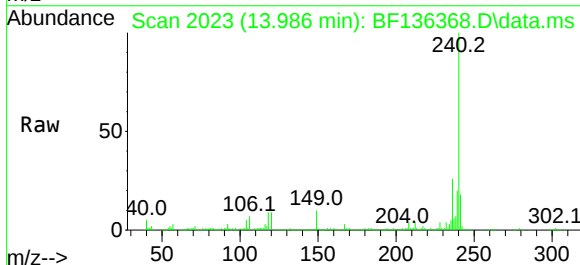
Tgt Ion:202 Resp: 10404
Ion Ratio Lower Upper
202 100
101 11.5 0.0 27.8
203 16.1 0.0 34.5

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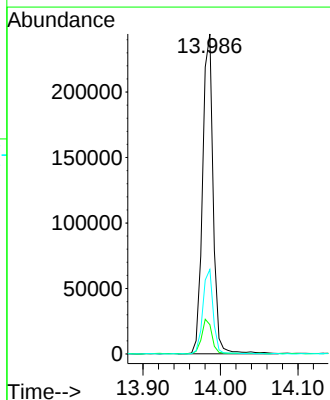
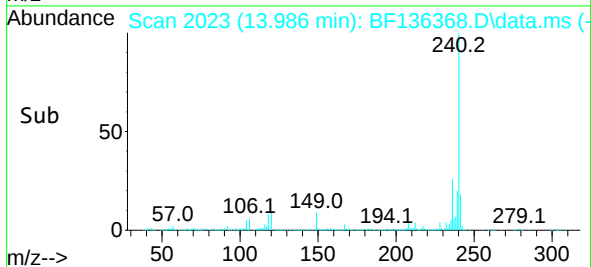
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

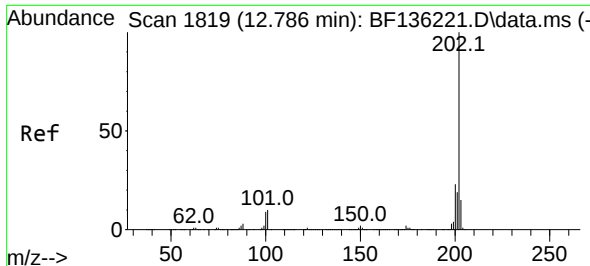


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54



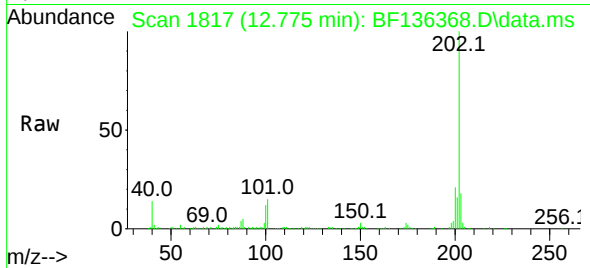
Tgt Ion:240 Resp: 231658
Ion Ratio Lower Upper
240 100
120 9.2 7.4 11.2
236 26.4 21.1 31.7





#78
Pyrene
Concen: 3.328 ng m
RT: 12.775 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

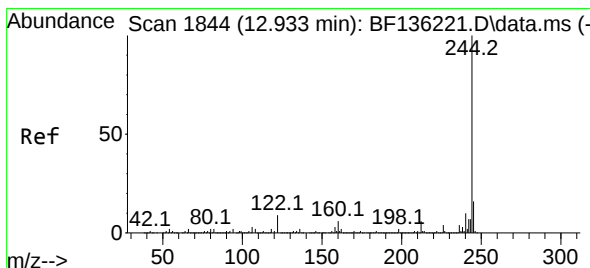
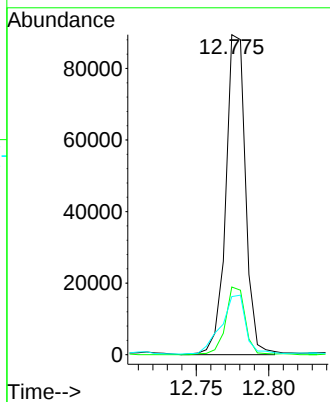
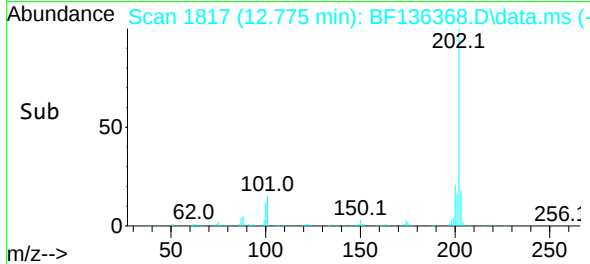
Instrument :
BNA_F
ClientSampleId :
72-12018



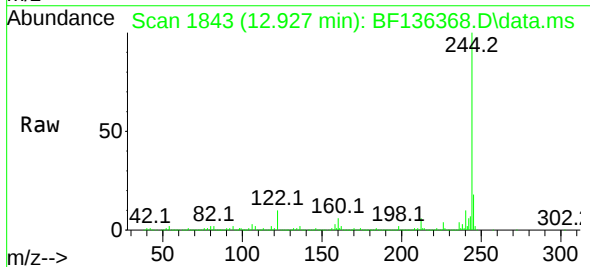
Tgt Ion:202 Resp: 8444
Ion Ratio Lower Upper
202 100
200 21.1 18.4 27.6
203 18.1 11.8 17.6

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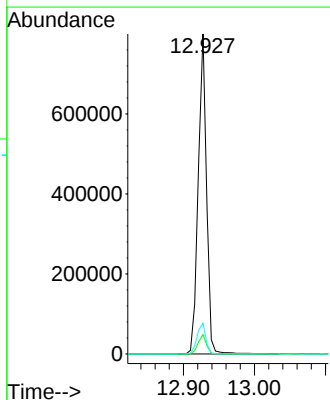
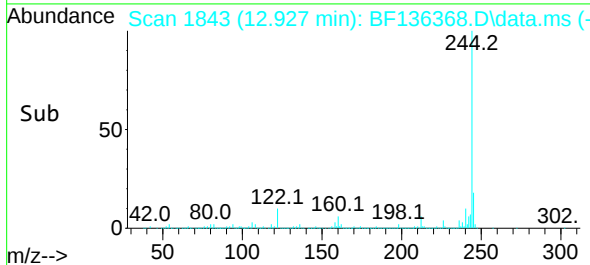
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023

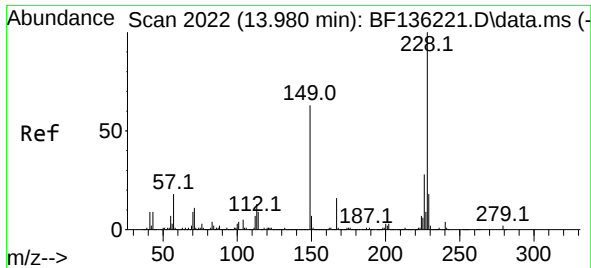


#79
Terphenyl-d14
Concen: 32.537 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54



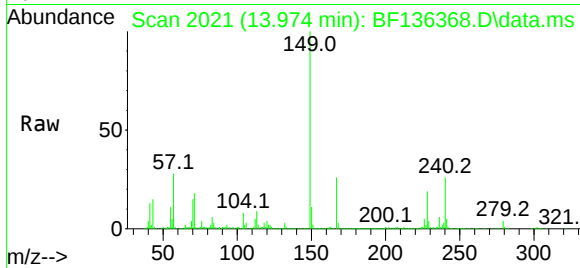
Tgt Ion:244 Resp: 653441
Ion Ratio Lower Upper
244 100
212 6.1 4.6 7.0
122 9.7 7.3 10.9





#81
Benzo(a)anthracene
Concen: 2.985 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

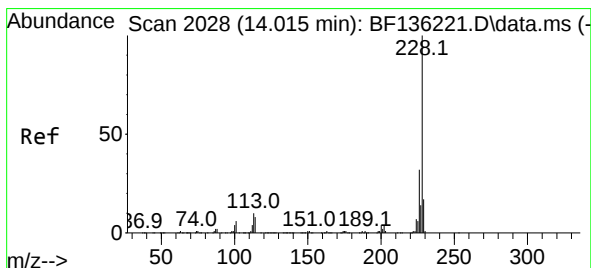
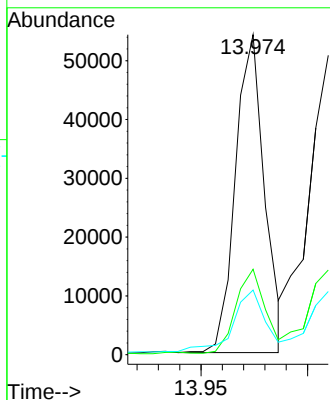
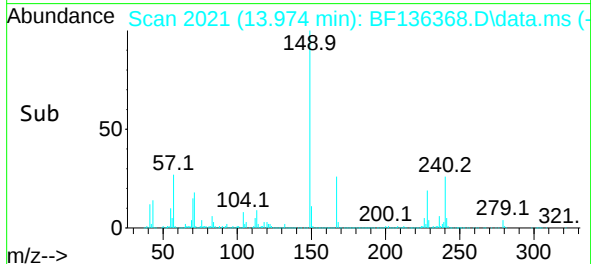
Instrument :
BNA_F
ClientSampleId :
72-12018



Tgt Ion:228 Resp: 51354
Ion Ratio Lower Upper
228 100
226 26.7 22.6 34.0
229 20.2 14.0 21.0

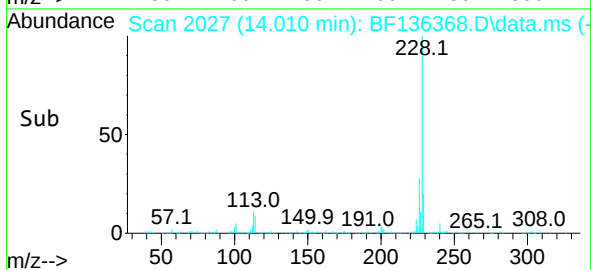
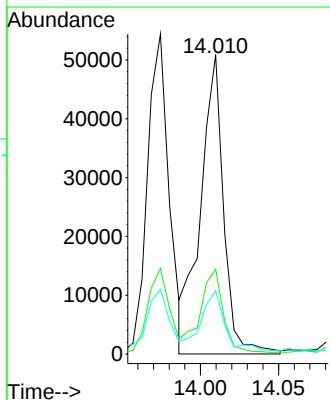
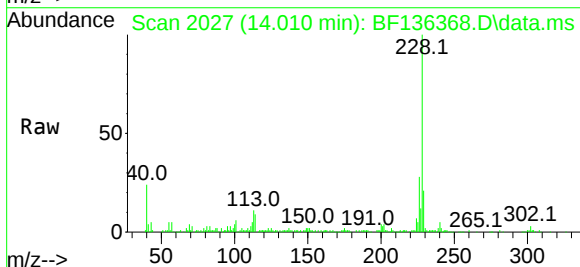
Manual Integrations
APPROVED

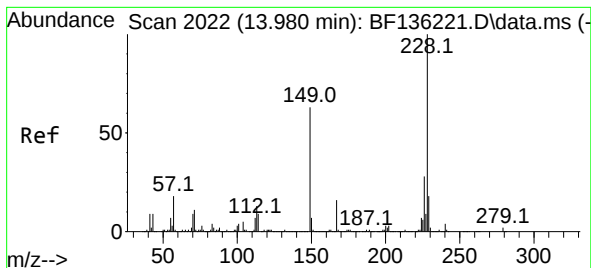
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#83
Chrysene
Concen: 3.163 ng m
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

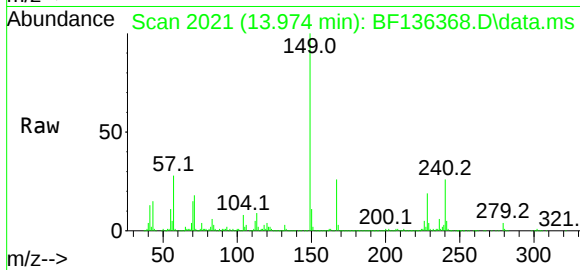
Tgt Ion:228 Resp: 52543
Ion Ratio Lower Upper
228 100
226 28.3 25.5 38.3
229 21.1 13.9 20.9#





#84
Bis(2-ethylhexyl)phthalate
Concen: 24.206 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

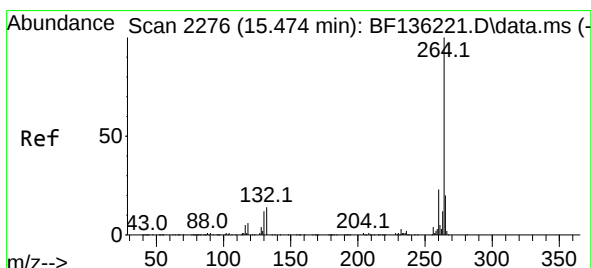
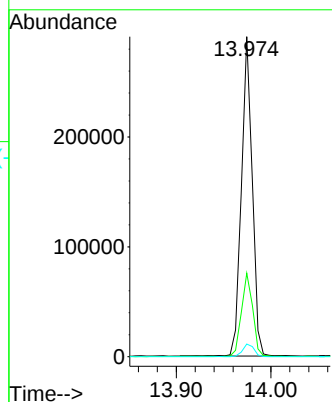
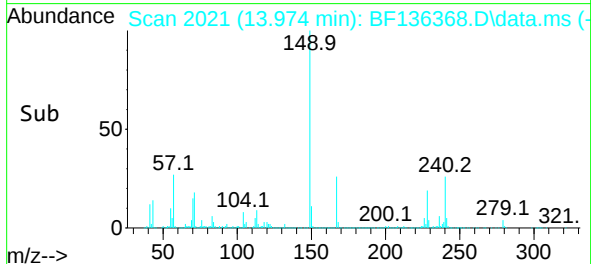
Instrument :
BNA_F
ClientSampleId :
72-12018



Tgt Ion:149 Resp: 229370
Ion Ratio Lower Upper
149 100
167 26.1 20.2 30.2
279 3.9 2.4 3.6

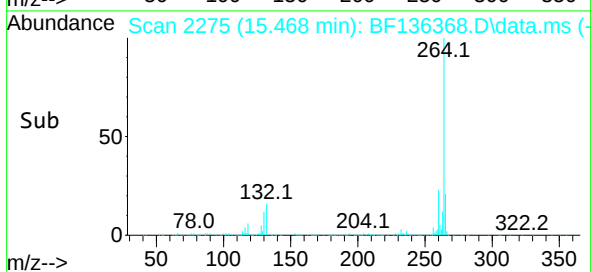
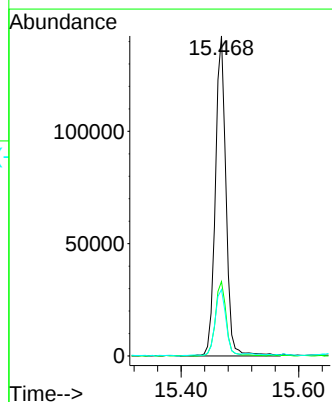
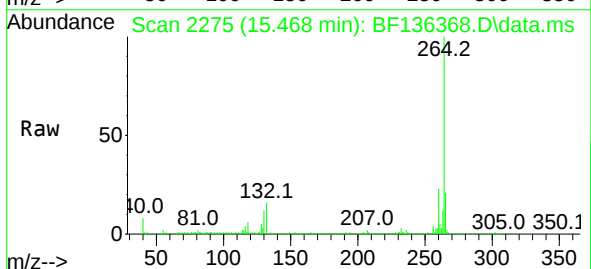
Manual Integrations
APPROVED

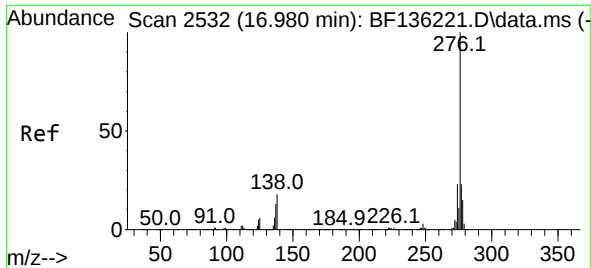
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

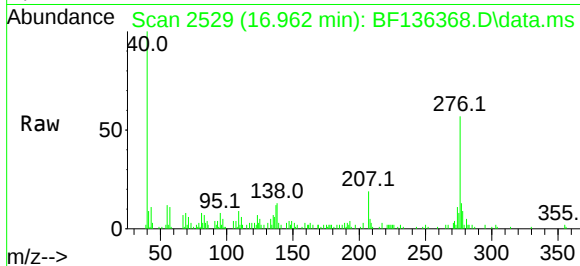
Tgt Ion:264 Resp: 178615
Ion Ratio Lower Upper
264 100
260 23.3 18.6 27.8
265 20.8 15.7 23.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.808 ng
RT: 16.962 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

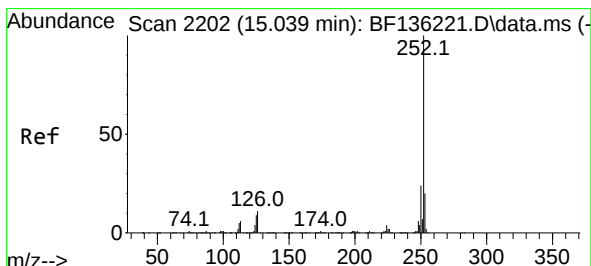
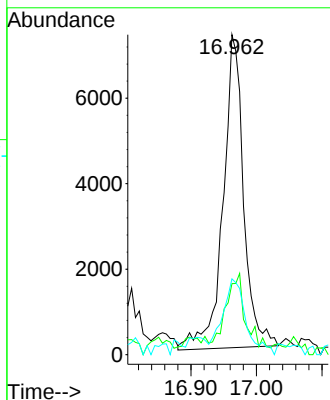
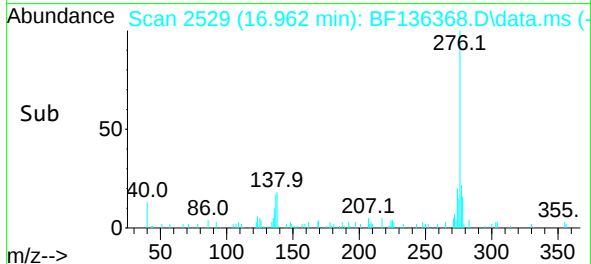
Instrument :
BNA_F
ClientSampleId :
72-12018



Tgt Ion:276 Resp: 15968
Ion Ratio Lower Upper
276 100
138 22.8 17.7 26.5
277 27.4 19.6 29.4

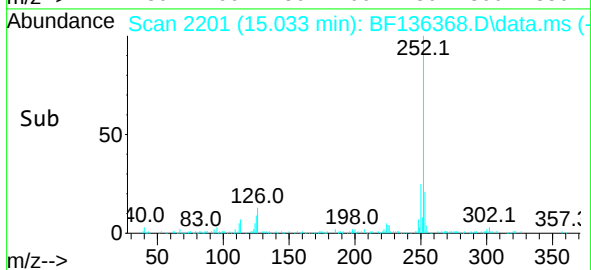
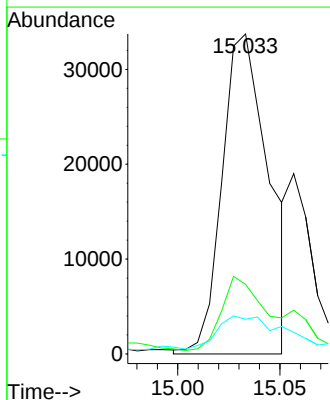
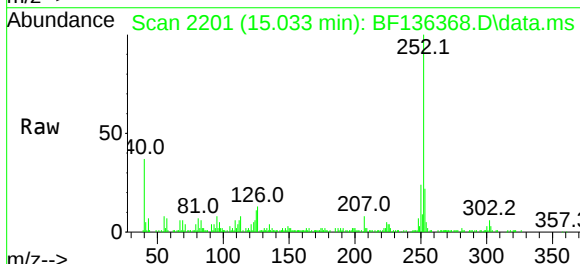
Manual Integrations
APPROVED

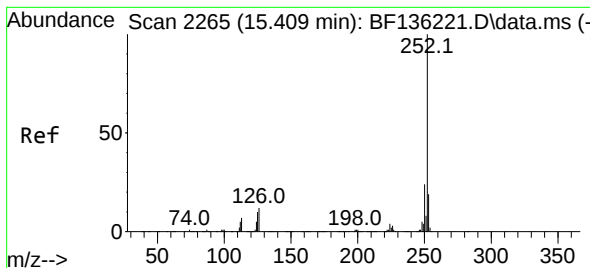
Reviewed By :Yogesh Patel 12/04/2023
Supervised By :mohammad ahmed 12/05/2023



#88
Benzo(b)fluoranthene
Concen: 4.252 ng m
RT: 15.033 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Tgt Ion:252 Resp: 53281
Ion Ratio Lower Upper
252 100
253 21.8 16.2 24.2
125 10.8 6.9 10.3#





#90

Benzo(a)pyrene

Concen: 2.909 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.005 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

Instrument :

BNA_F

ClientSampleId :

72-12018

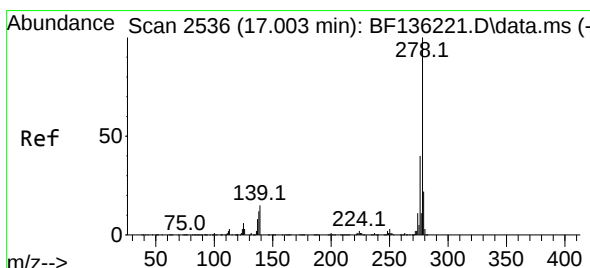
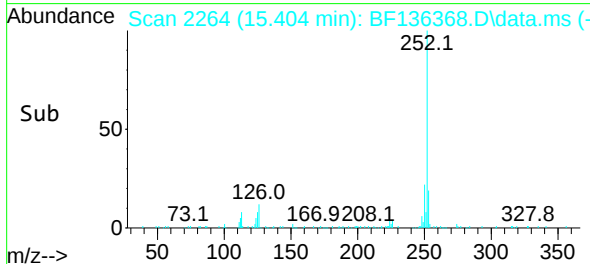
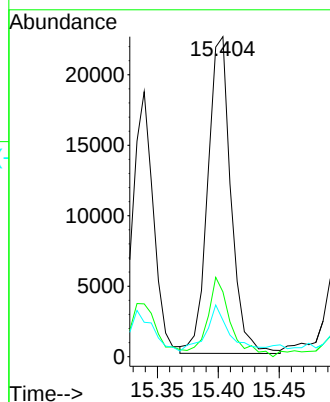
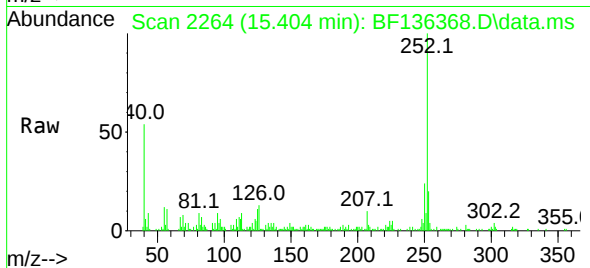
Tgt Ion:	252	Resp:	2980
Ion Ratio	Lower	Upper	
252	100		
253	20.3	15.5	23.3
125	11.4	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.174 ng

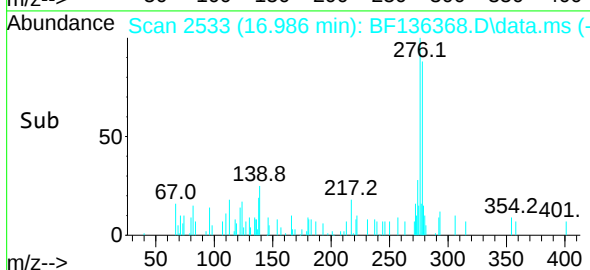
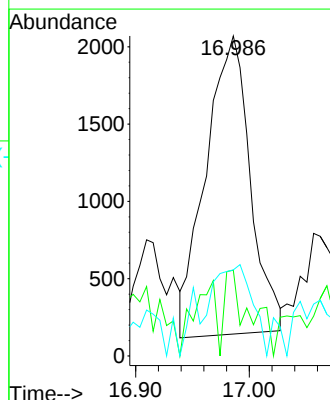
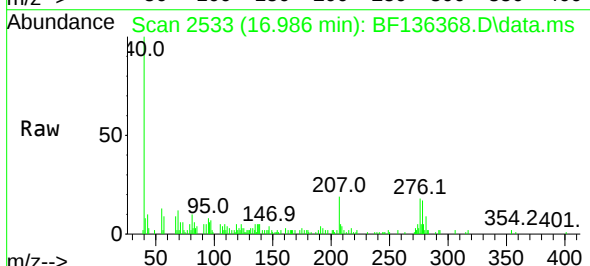
RT: 16.986 min Scan# 2533

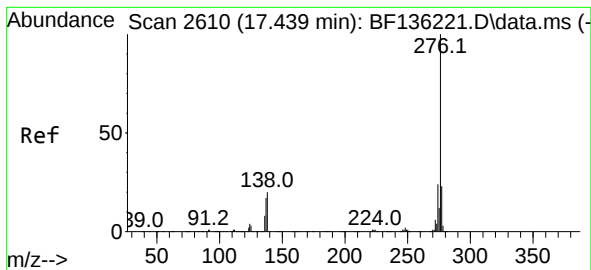
Delta R.T. -0.017 min

Lab File: BF136368.D

Acq: 02 Dec 2023 08:54

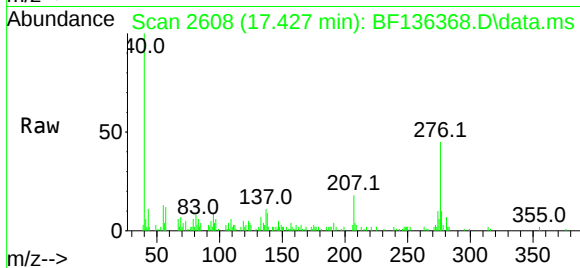
Tgt Ion:	278	Resp:	5236
Ion Ratio	Lower	Upper	
278	100		
139	26.8	11.7	17.5#
279	26.9	17.8	26.8#





#92
Benzo(g,h,i)perylene
Concen: 3.213 ng
RT: 17.427 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136368.D
Acq: 02 Dec 2023 08:54

Instrument :
BNA_F
ClientSampleId :
72-12018



Tgt Ion: 276 Resp: 14690
Ion Ratio Lower Upper
276 100
277 23.2 18.6 27.8
138 21.1 15.8 23.8

Manual Integrations
APPROVED

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

