

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136261.D
 Acq On : 28 Nov 2023 21:36
 Operator : CG\JU
 Sample : 05516-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023

Quant Time: Nov 29 00:50:16 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	123919	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	479284	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	198542	20.000	ng	-0.01
64) Phenanthrene-d10	11.328	188	286282	20.000	ng	0.00
76) Chrysene-d12	13.980	240	244082	20.000	ng	-0.01
86) Perylene-d12	15.463	264	227934	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	606439	68.115	ng	0.00
7) Phenol-d6	6.434	99	719015	64.588	ng	-0.01
23) Nitrobenzene-d5	7.363	82	440120	48.525	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	127204	52.405	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	797202	51.287	ng	-0.01
79) Terphenyl-d14	12.922	244	615616	29.093	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.351	178	206451	12.831	ng	97
75) Fluoranthene	12.545	202	323223	19.788	ng	95
78) Pyrene	12.774	202	271598	10.160	ng	98
81) Benzo(a)anthracene	13.969	228	146685	8.091	ng	98
83) Chrysene	14.004	228	151669	8.664	ng	94
85) Di-n-octyl phthalate	14.627	149	60513m	8.493	ng	
87) Indeno(1,2,3-cd)pyrene	16.957	276	40183	4.906	ng	95
88) Benzo(b)fluoranthene	15.027	252	169551m	10.603	ng	
89) Benzo(k)fluoranthene	15.051	252	57707m	3.799	ng	
90) Benzo(a)pyrene	15.398	252	94167	7.203	ng	96
91) Dibenzo(a,h)anthracene	16.968	278	11167	3.484	ng	# 94
92) Benzo(g,h,i)perylene	17.409	276	34735	4.332	ng	97

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

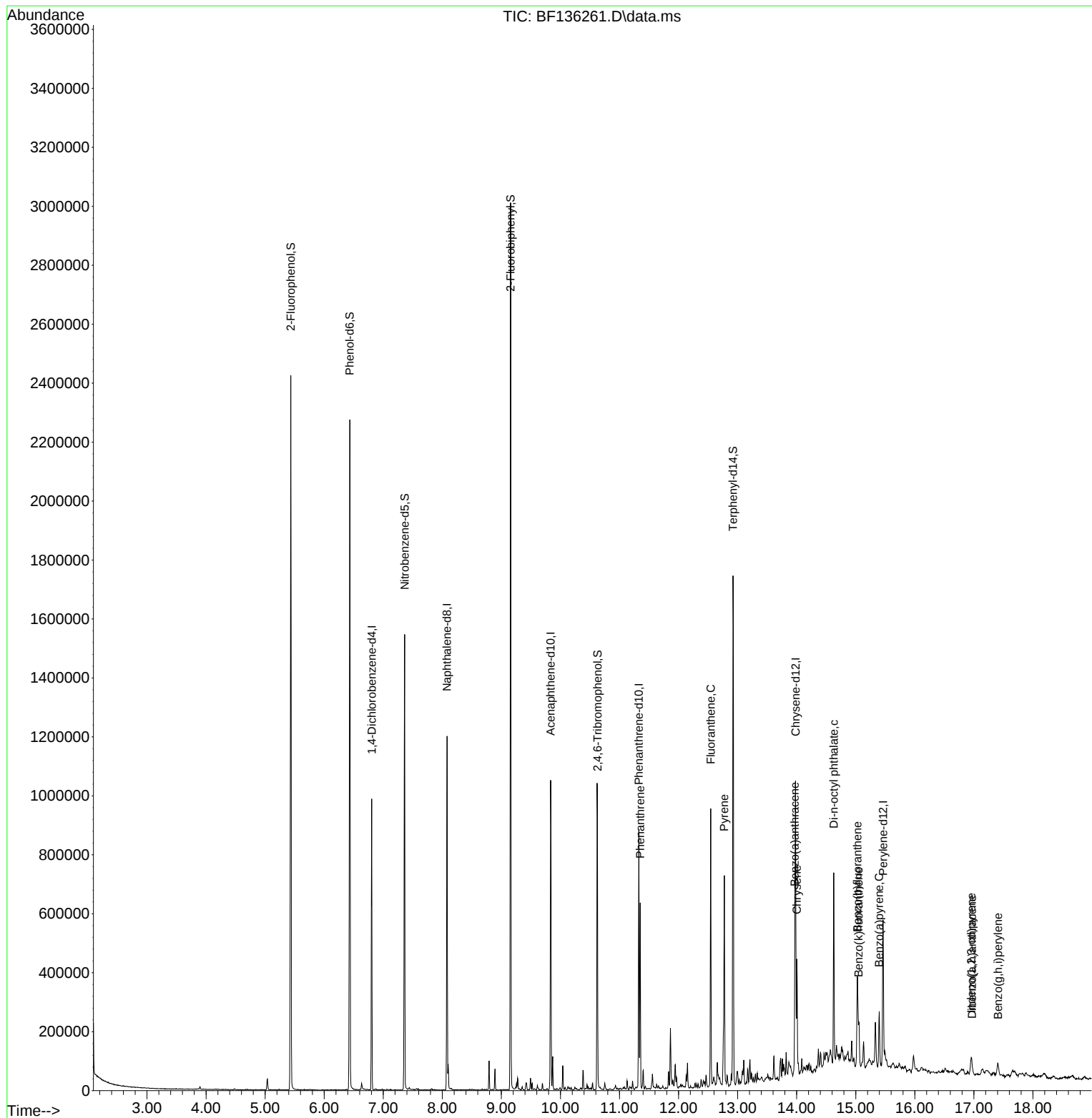
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
Data File : BF136261.D
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Sample : 05516-01
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ALS Vial : 12 Sample Multiplier: 1

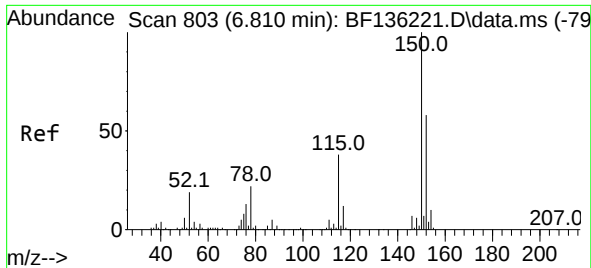
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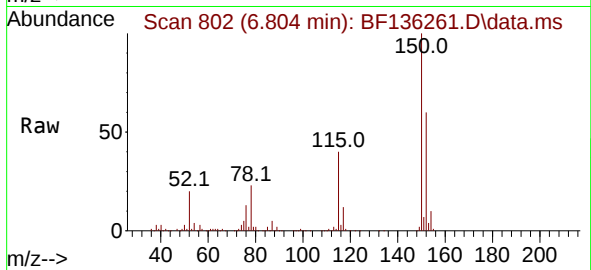
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Instrument :

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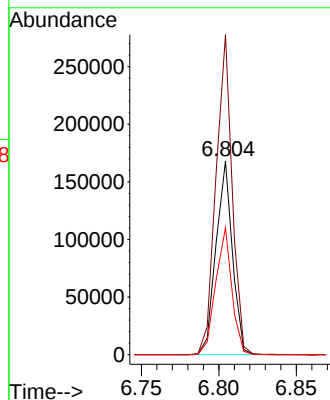
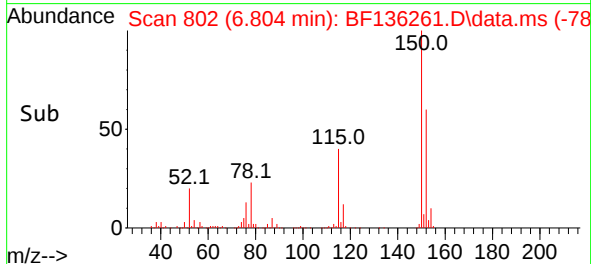
Tgt Ion:152 Resp: 123919
Ion Ratio Lower Upper
152 100
150 165.3 137.8 206.8
115 65.6 52.7 79.1

Manual Integrations

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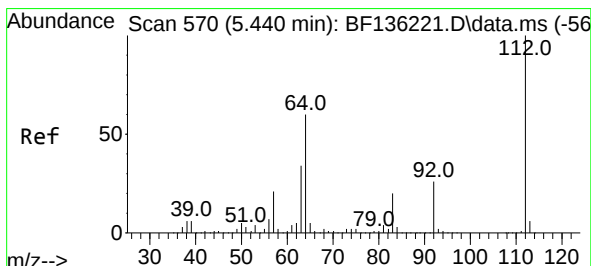
Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 12/01/2023



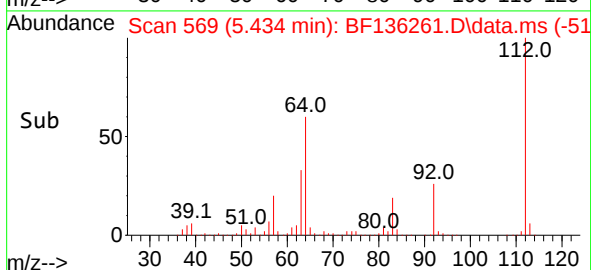
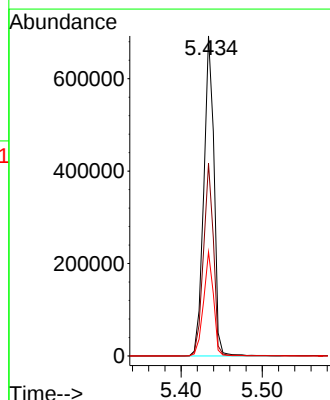
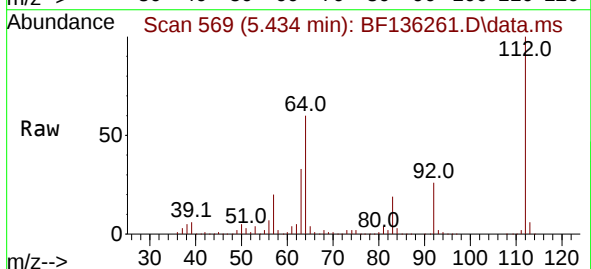
11/29/2023
Supervised By :mohammad
ahmed

12/01/2023



#5
2-Fluorophenol
Concen: 68.115 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Tgt Ion:112 Resp: 606439
Ion Ratio Lower Upper
112 100
64 60.1 48.2 72.4
63 32.5 27.0 40.6





#7

Phenol-d6

Concen: 64.588 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF136261.D

Acq: 28 Nov 2023 21:36

Instrument :

BNA_F

ClientSampleId :

72-11930

Tgt Ion: 99 Resp: 71901

Ion Ratio Lower Upper

99 100

42 17.1 15.0 22.6

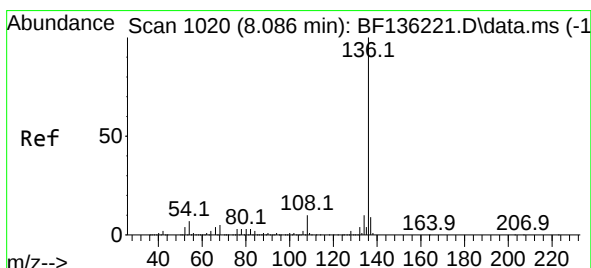
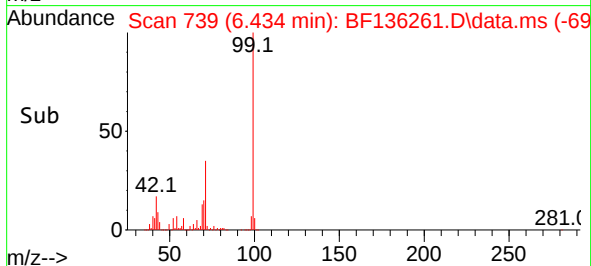
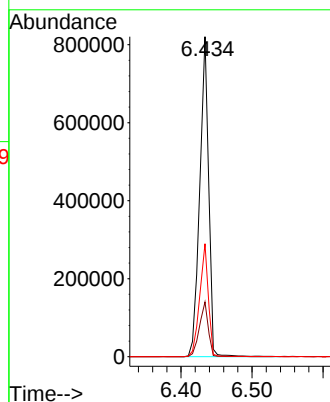
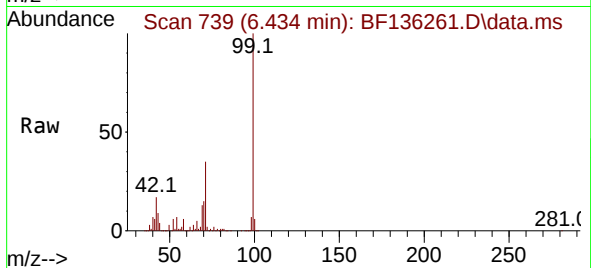
71 35.3 28.9 43.3

Manual Integrations

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Reviewed By :Yogesh Patel 11/29/2023

Supervised By :mohammad ahmed 12/01/2023



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF136261.D

Acq: 28 Nov 2023 21:36

Tgt Ion:136 Resp: 479284

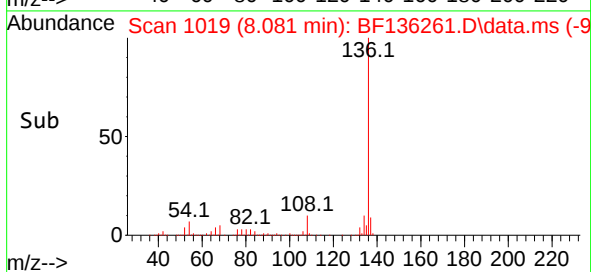
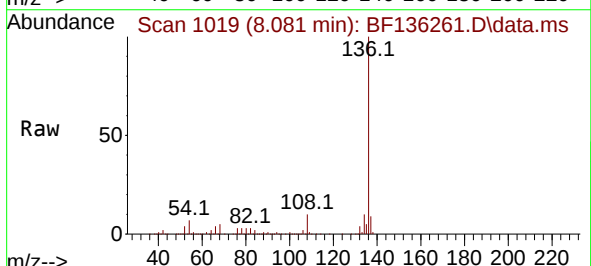
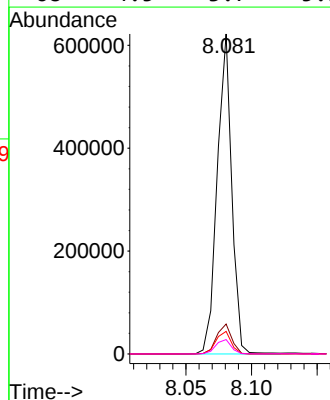
Ion Ratio Lower Upper

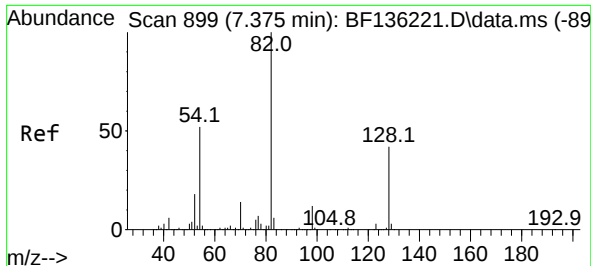
136 100

137 9.3 7.4 11.2

54 7.0 5.5 8.3

68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 48.525 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136261.D

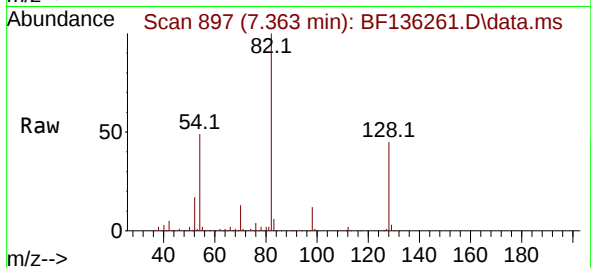
Acq: 28 Nov 2023 21:36

Instrument :

BNA_F

ClientSampleId :

72-11930



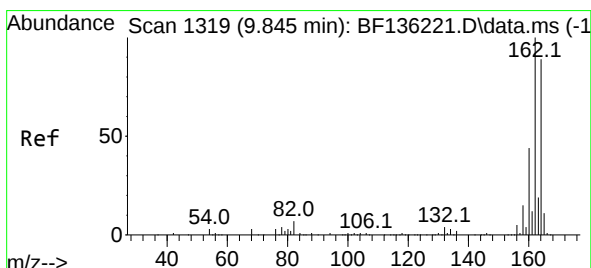
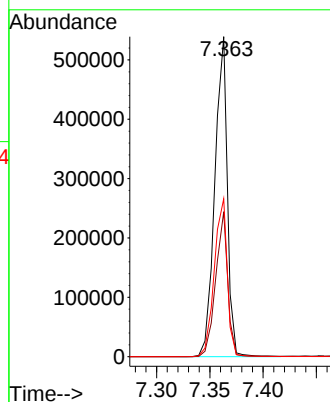
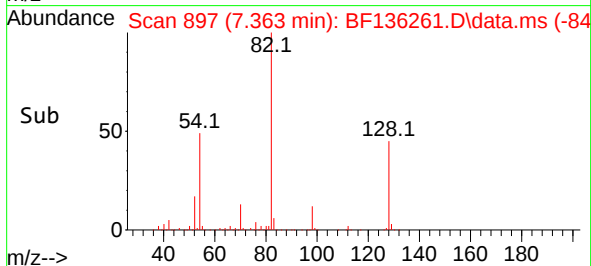
Tgt Ion:	82	Resp:	440120
Ion Ratio	Lower	Upper	
82	100		
128	45.3	33.4	50.2
54	49.4	41.7	62.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

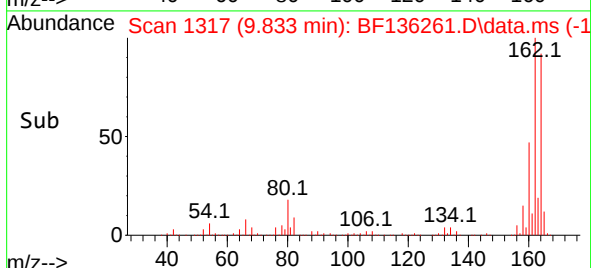
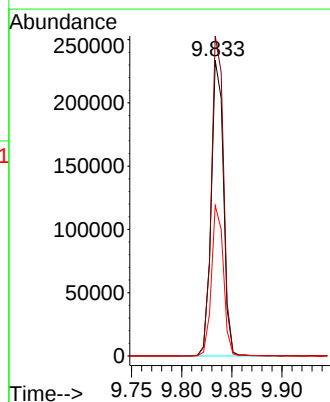
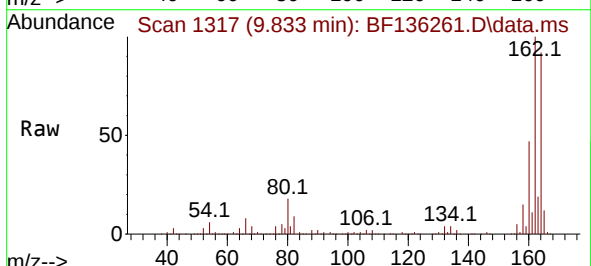
RT: 9.833 min Scan# 1317

Delta R.T. -0.012 min

Lab File: BF136261.D

Acq: 28 Nov 2023 21:36

Tgt Ion:	164	Resp:	198542
Ion Ratio	Lower	Upper	
164	100		
162	108.3	89.5	134.3
160	50.9	39.6	59.4





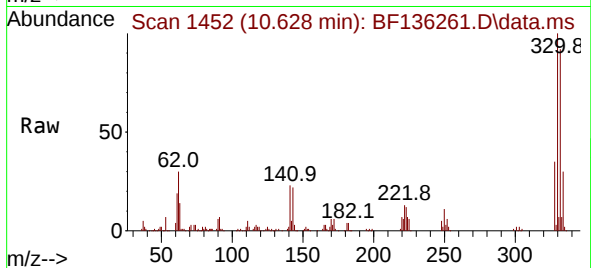
#42
2,4,6-Tribromophenol
Concen: 52.405 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Instrument :

BNA_F

ClientSampleId :

72-11930



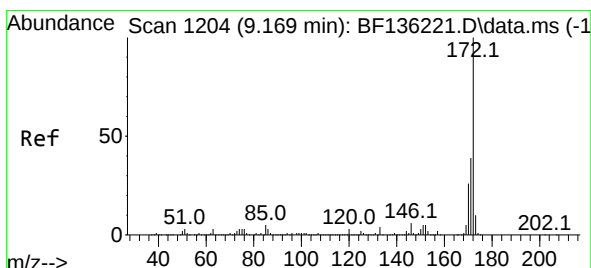
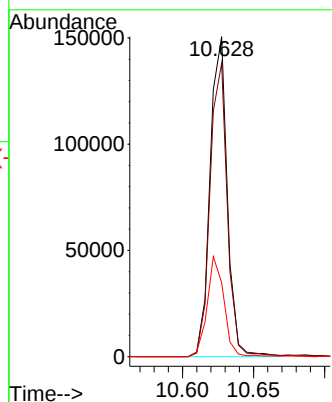
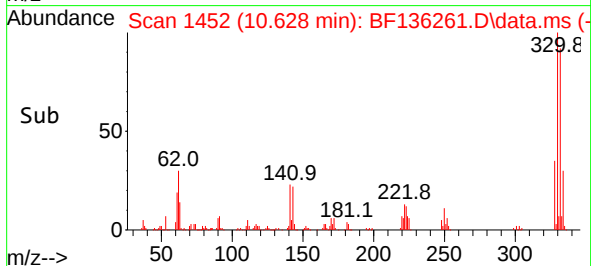
Tgt Ion:330 Resp: 127204
Ion Ratio Lower Upper
330 100
332 93.1 73.0 109.6
141 30.9 24.2 36.2

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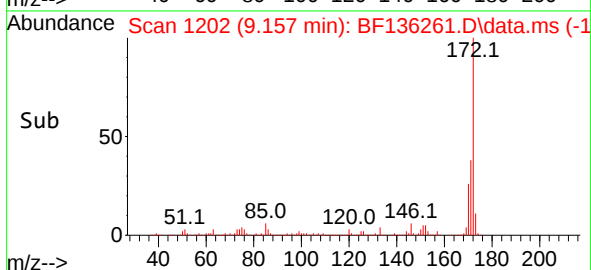
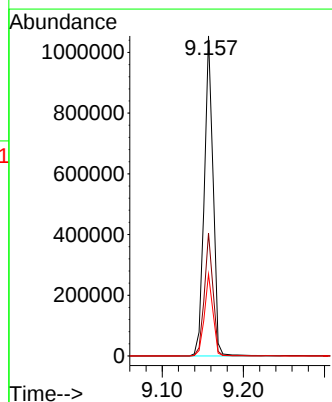
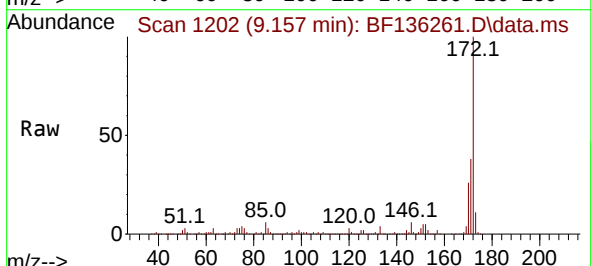
Reviewed By :Yogesh Patel 11/29/2023

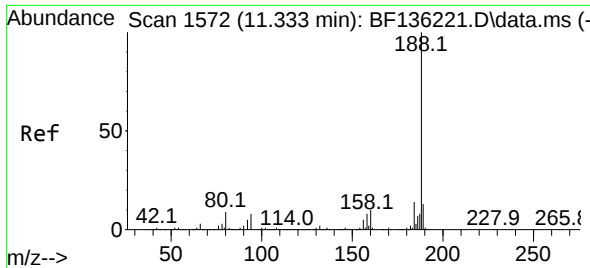
Supervised By :mohammad ahmed 12/01/2023



#45
2-Fluorobiphenyl
Concen: 51.287 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.012 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Tgt Ion:172 Resp: 797202
Ion Ratio Lower Upper
172 100
171 38.4 31.5 47.3
170 25.6 20.8 31.2





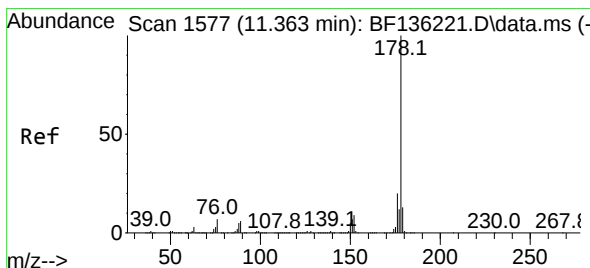
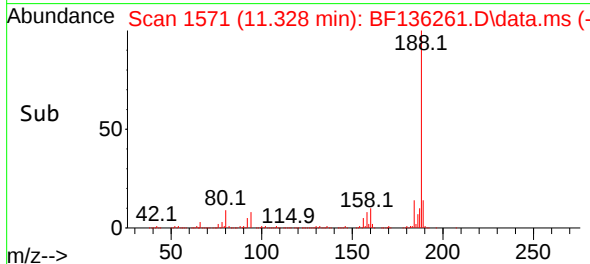
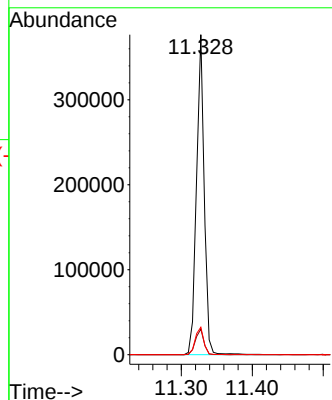
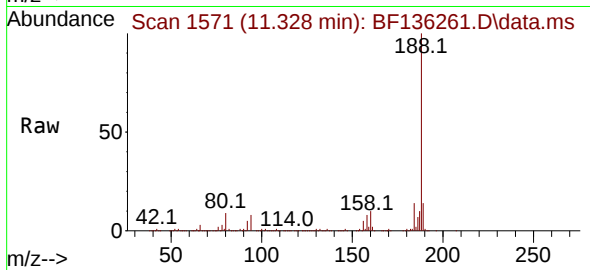
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Instrument :
BNA_F
ClientSampleId :
72-11930

Tgt Ion:188 Resp: 28628
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.6 7.2 10.8

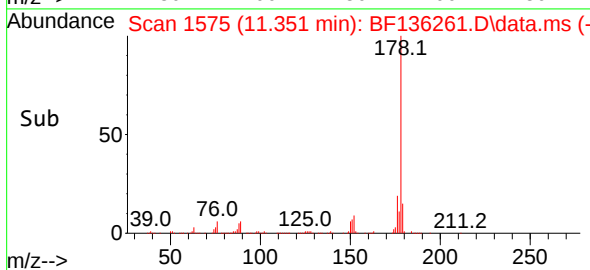
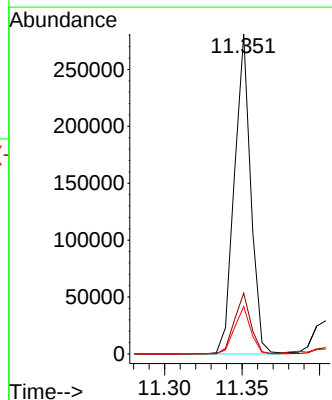
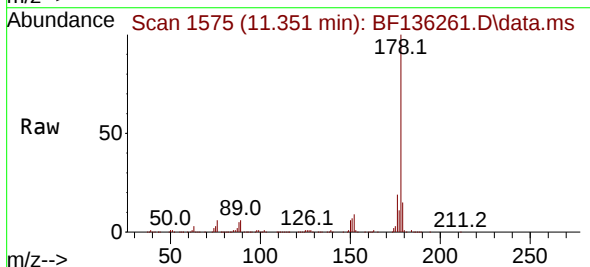
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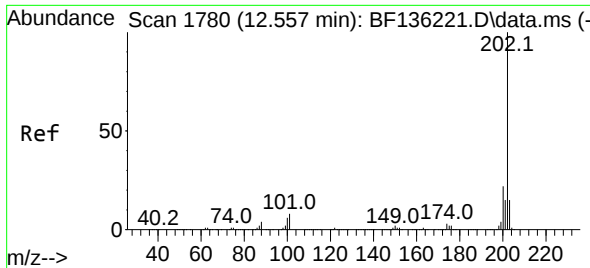
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#71
Phenanthrene
Concen: 12.831 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

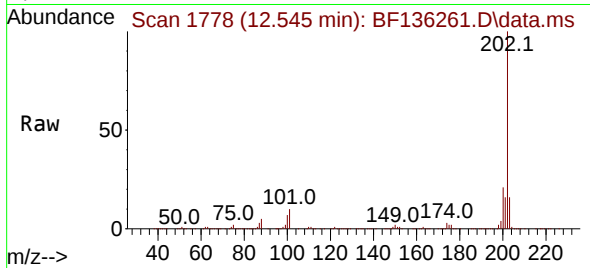
Tgt Ion:178 Resp: 206451
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.2
179 14.8 10.3 15.5





#75
Fluoranthene
Concen: 19.788 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

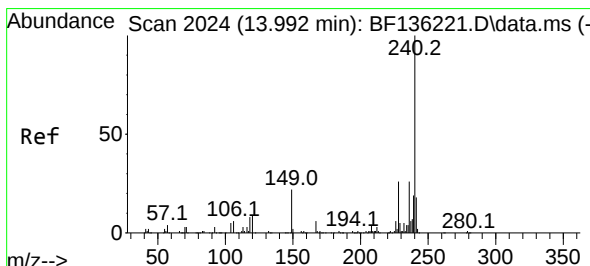
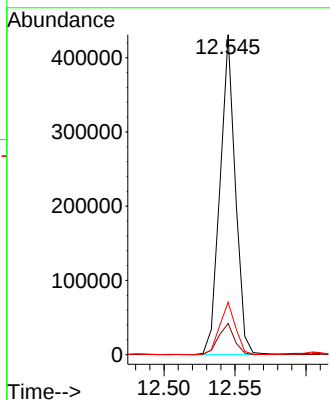
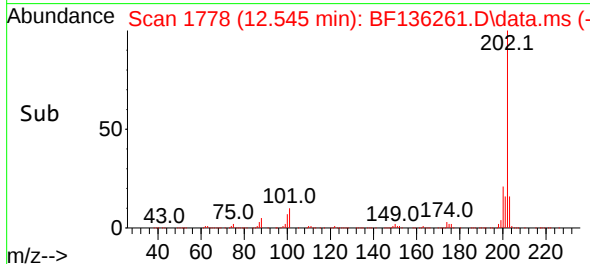
Instrument :
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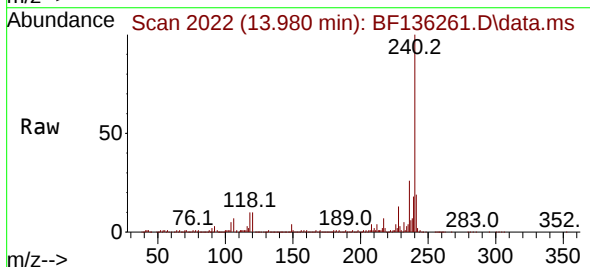
Tgt Ion:202 Resp: 32322
Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.8
203 16.3 0.0 34.5

Manual Integrations
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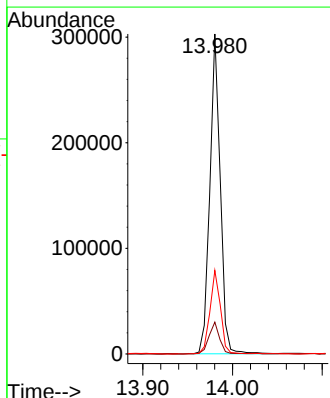
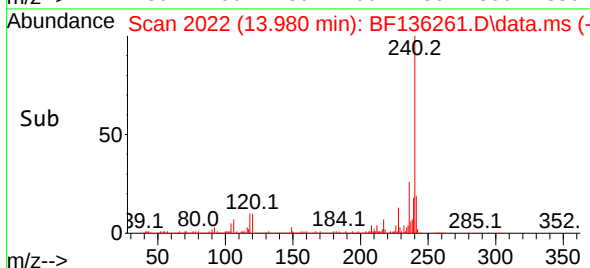
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023

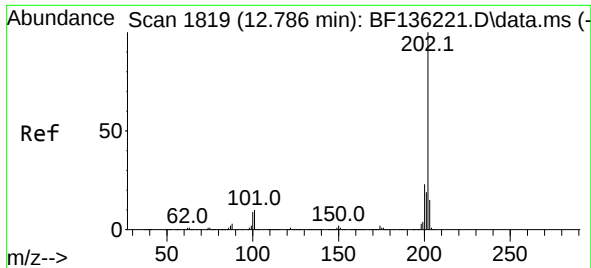


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36



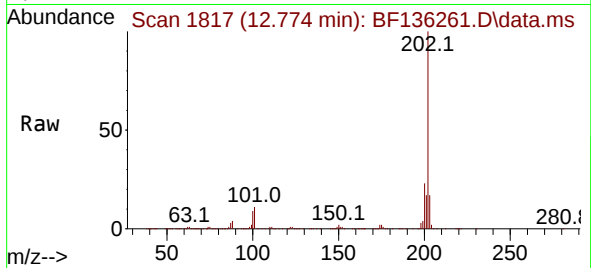
Tgt Ion:240 Resp: 244082
Ion Ratio Lower Upper
240 100
120 10.0 7.4 11.2
236 26.1 21.1 31.7





#78
Pyrene
Concen: 10.160 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

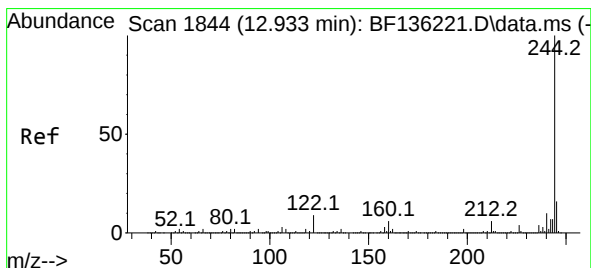
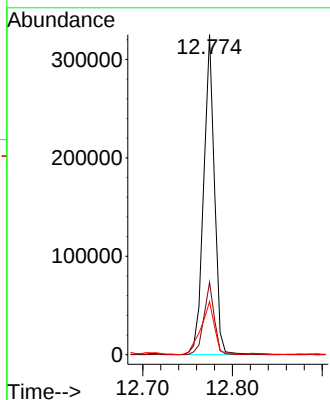
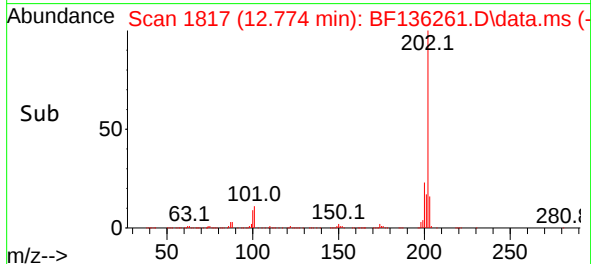
Instrument :
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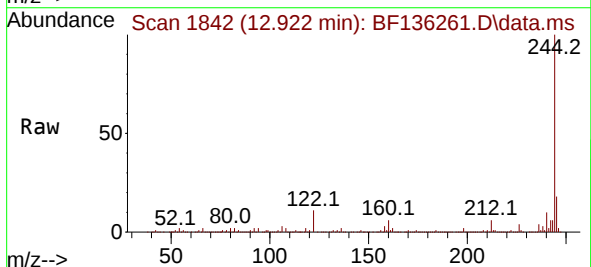
Tgt Ion:202 Resp: 271598
Ion Ratio Lower Upper
202 100
200 22.7 18.4 27.6
203 16.6 11.8 17.6

Manual Integrations
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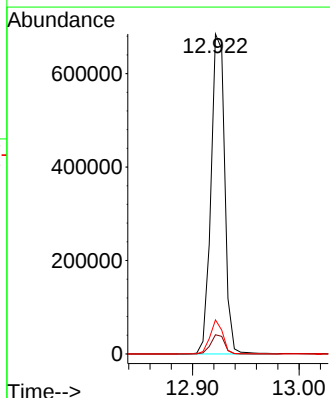
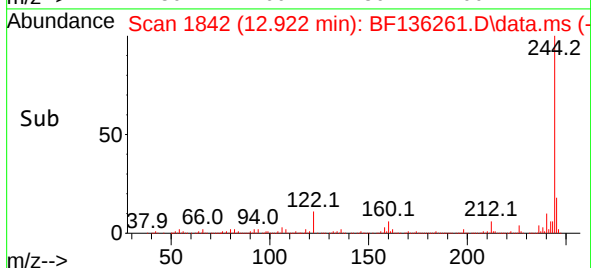
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023

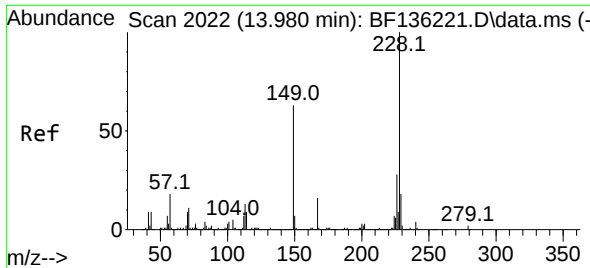


#79
Terphenyl-d14
Concen: 29.093 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36



Tgt Ion:244 Resp: 615616
Ion Ratio Lower Upper
244 100
212 6.0 4.6 7.0
122 10.7 7.3 10.9





#81
Benzo(a)anthracene
Concen: 8.091 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Instrument :

BNA_F

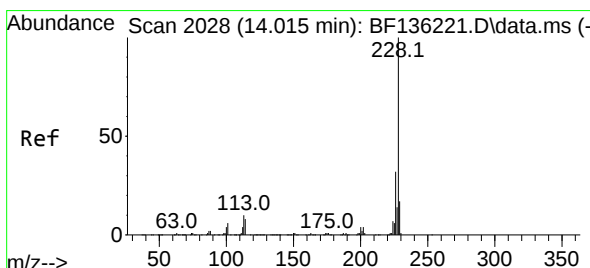
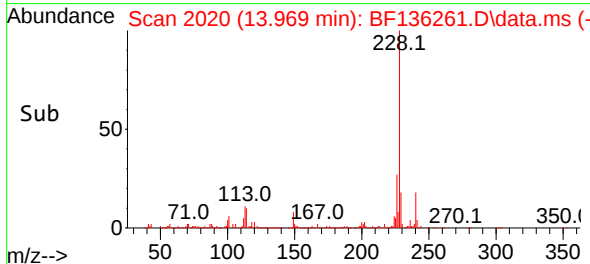
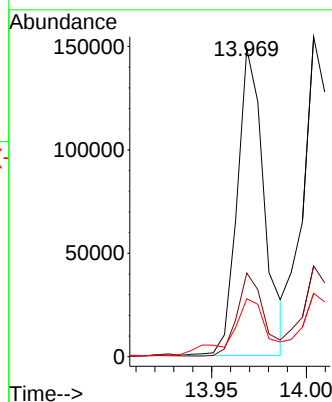
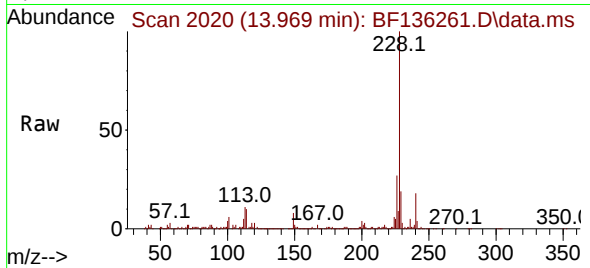
ClientSampleId :

72-11930

Tgt Ion:228 Resp: 146689
Ion Ratio Lower Upper
228 100
226 27.2 22.6 34.0
229 18.8 14.0 21.0

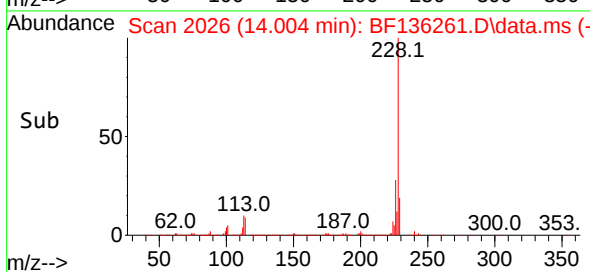
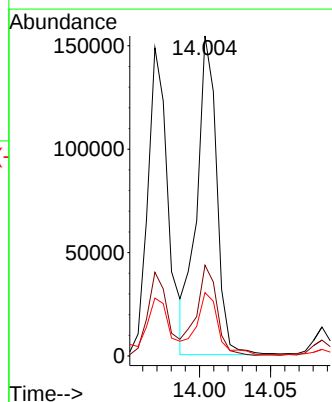
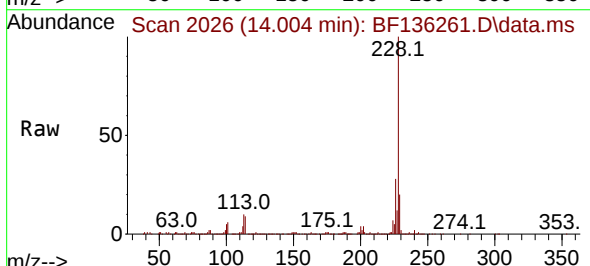
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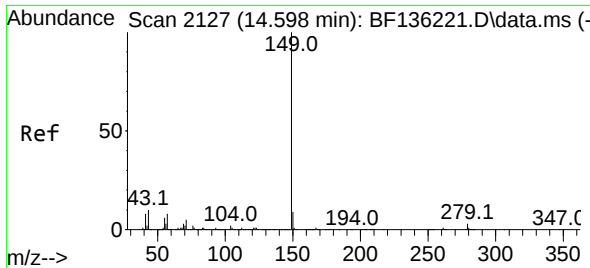
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#83
Chrysene
Concen: 8.664 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

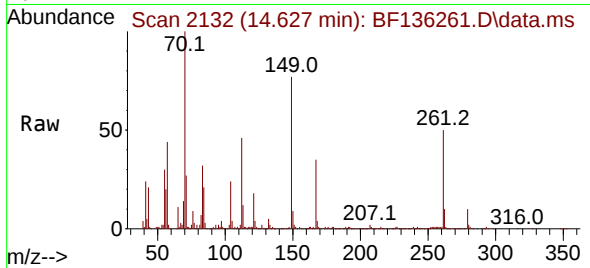
Tgt Ion:228 Resp: 151669
Ion Ratio Lower Upper
228 100
226 28.3 25.5 38.3
229 19.8 13.9 20.9





#85
Di-n-octyl phthalate
Concen: 8.493 ng m
RT: 14.627 min Scan# 2127
Delta R.T. 0.029 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

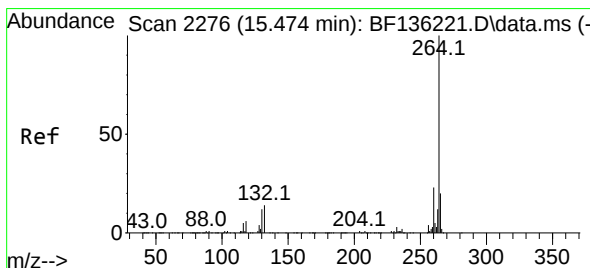
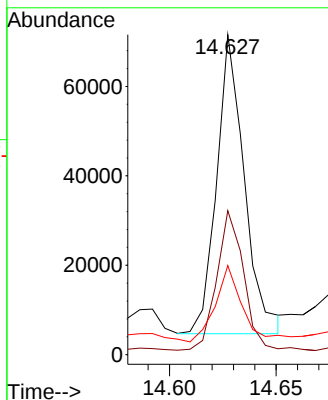
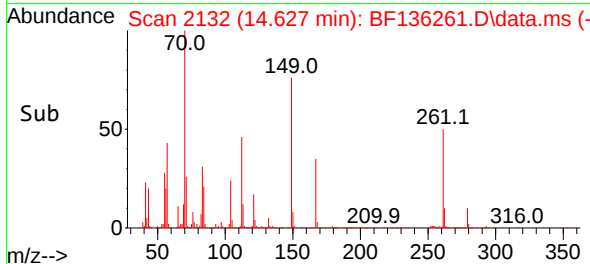
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:149 Resp: 6051
Ion Ratio Lower Upper
149 100
167 0.0 1.0 1.6
43 13.4 7.2 10.8

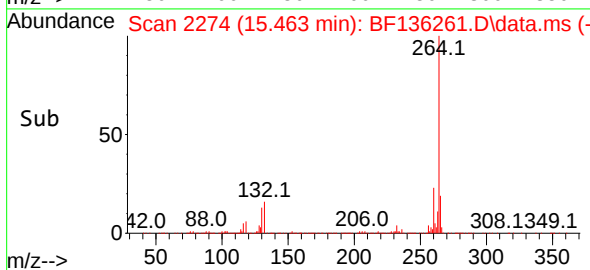
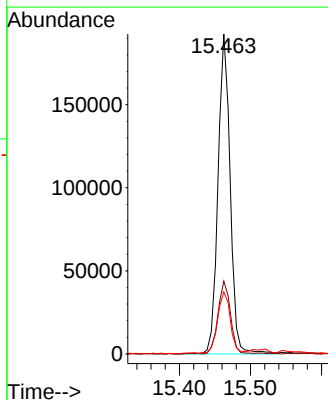
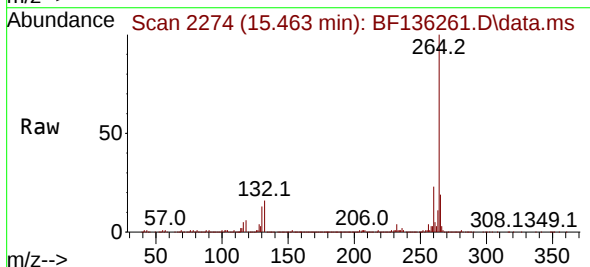
Manual Integrations
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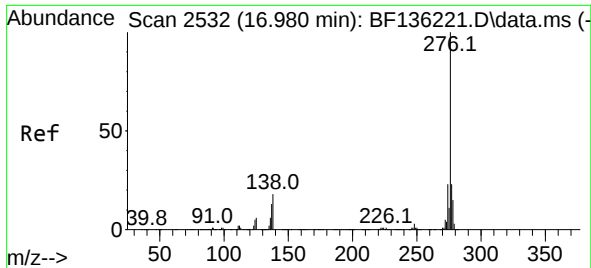
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2274
Delta R.T. -0.011 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Tgt Ion:264 Resp: 227934
Ion Ratio Lower Upper
264 100
260 22.8 18.6 27.8
265 19.4 15.7 23.5





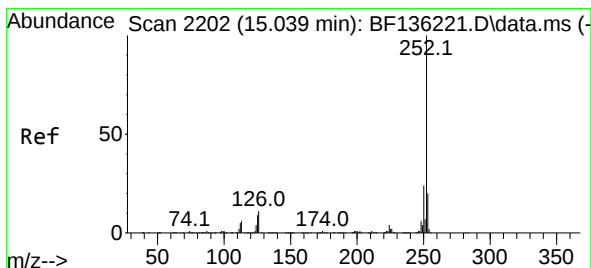
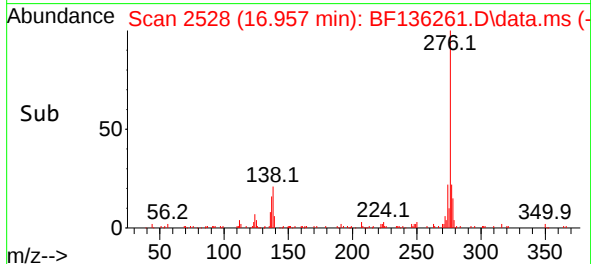
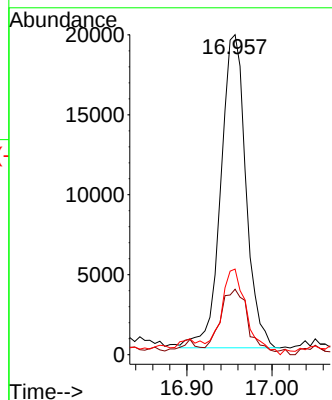
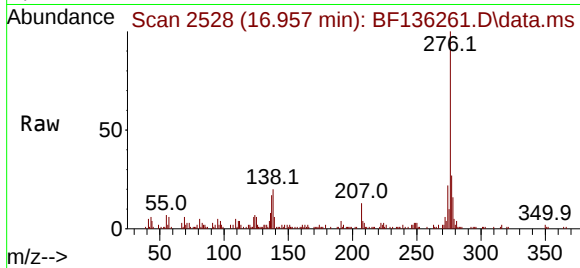
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.906 ng
 RT: 16.957 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF136261.D
 Acq: 28 Nov 2023 21:36

Instrument :
 BNA_F
 ClientSampleId :
 72-11930

Tgt Ion:276 Resp: 4018
 Ion Ratio Lower Upper
 276 100
 138 23.9 17.7 26.5
 277 27.5 19.6 29.4

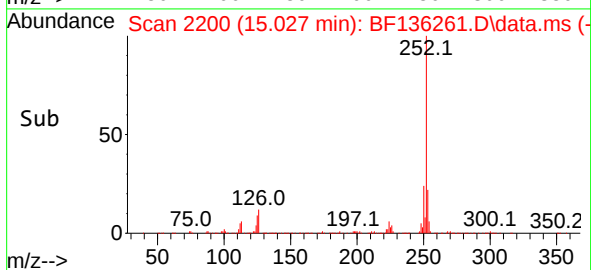
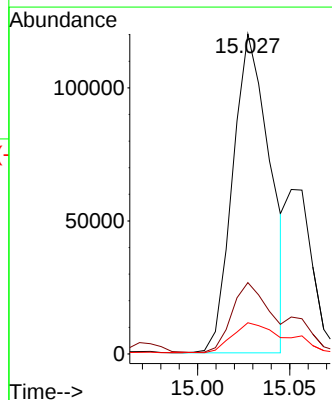
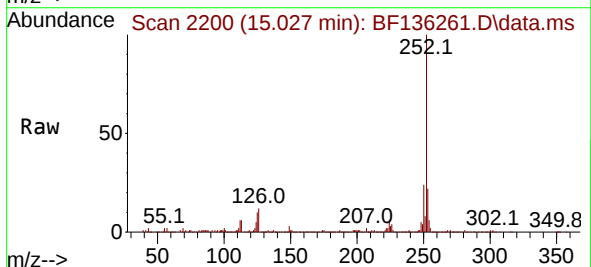
Manual Integrations
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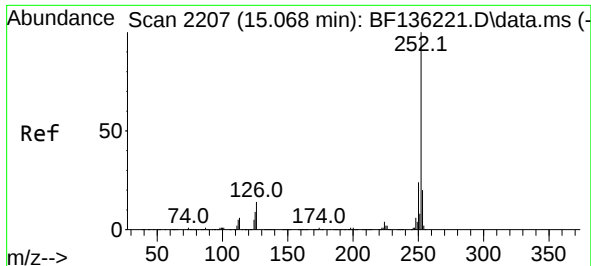
Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023



#88
 Benzo(b)fluoranthene
 Concen: 10.603 ng m
 RT: 15.027 min Scan# 2200
 Delta R.T. -0.012 min
 Lab File: BF136261.D
 Acq: 28 Nov 2023 21:36

Tgt Ion:252 Resp: 169551
 Ion Ratio Lower Upper
 252 100
 253 22.3 16.2 24.2
 125 9.8 6.9 10.3





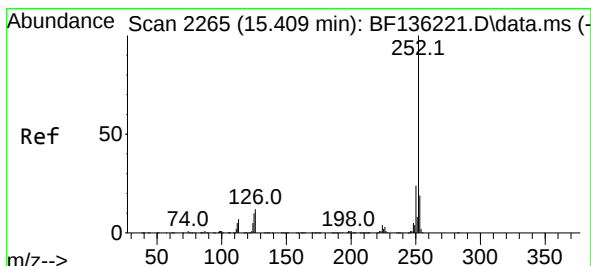
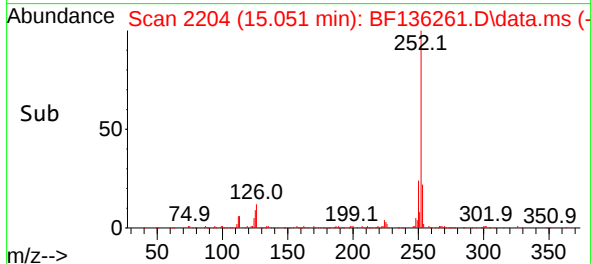
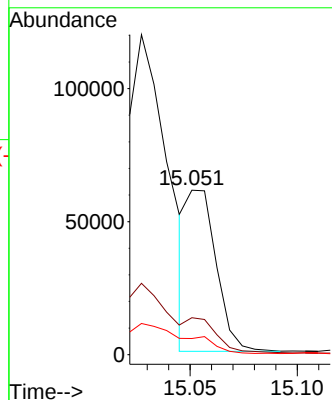
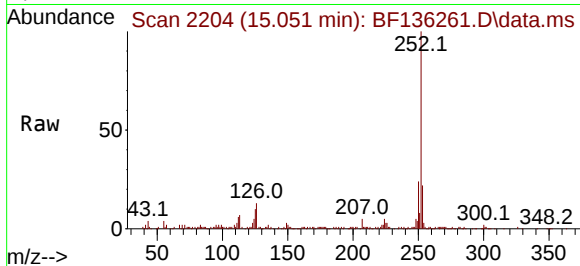
#89
Benzo(k)fluoranthene
Concen: 3.799 ng m
RT: 15.051 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Instrument :
BNA_F
ClientSampleId :
72-11930

Tgt Ion:252 Resp: 5770
Ion Ratio Lower Upper
252 100
253 22.5 15.6 23.4
125 9.8 7.0 10.4

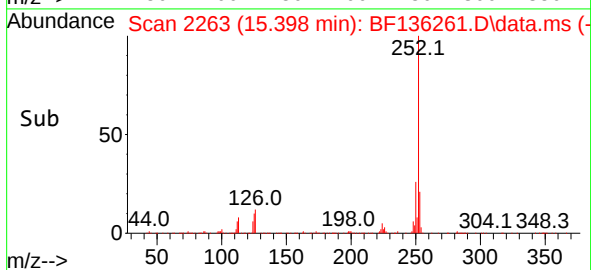
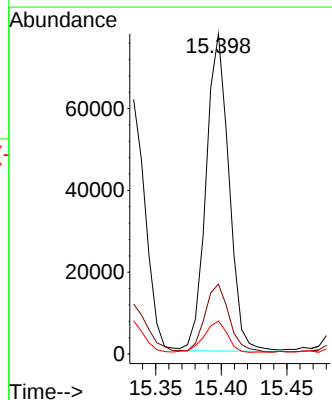
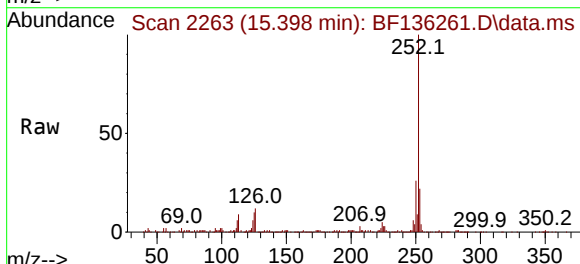
Manual Integrations
APPROVED

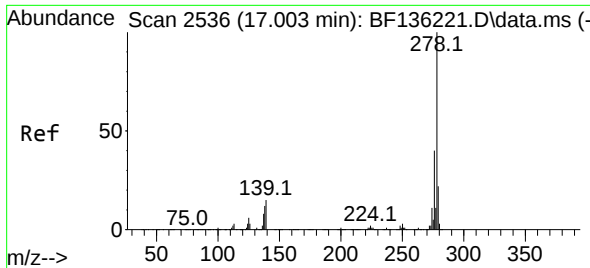
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#90
Benzo(a)pyrene
Concen: 7.203 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Tgt Ion:252 Resp: 94167
Ion Ratio Lower Upper
252 100
253 21.8 15.5 23.3
125 10.3 7.9 11.9





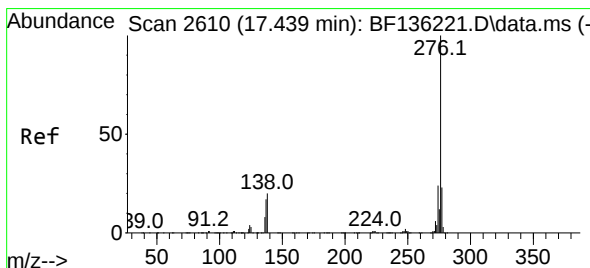
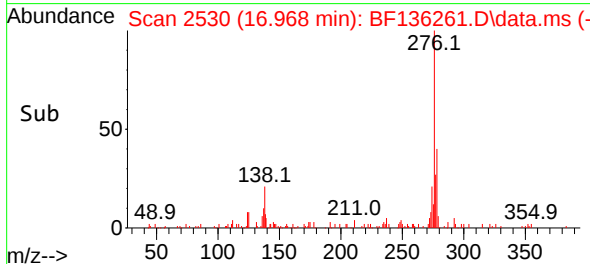
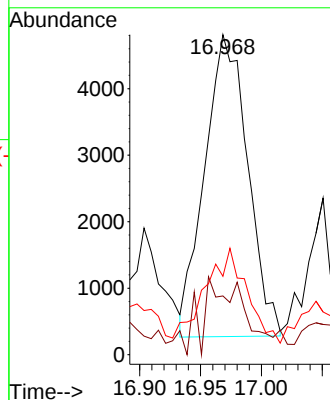
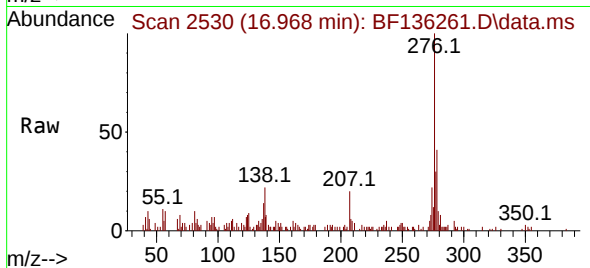
#91
Dibenzo(a,h)anthracene
Concen: 3.484 ng
RT: 16.968 min Scan# 2116
Delta R.T. -0.035 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Instrument :
BNA_F
ClientSampleId :
72-11930

Tgt Ion:278 Resp: 1116
Ion Ratio Lower Upper
278 100
139 18.3 11.7 17.5
279 24.5 17.8 26.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#92
Benzo(g,h,i)perylene
Concen: 4.332 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.030 min
Lab File: BF136261.D
Acq: 28 Nov 2023 21:36

Tgt Ion:276 Resp: 34735
Ion Ratio Lower Upper
276 100
277 22.7 18.6 27.8
138 22.3 15.8 23.8

