

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
 Data File : BF136258.D
 Acq On : 28 Nov 2023 20:01
 Operator : CG\JU
 Sample : 05505-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-A

Manual Integrations
 APPROVED

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

Quant Time: Nov 29 00:49:00 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	142656	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	561675	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	244864	20.000	ng	-0.01
64) Phenanthrene-d10	11.327	188	341725	20.000	ng	0.00
76) Chrysene-d12	13.980	240	264492	20.000	ng	-0.01
86) Perylene-d12	15.463	264	277020	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	138472	13.510	ng	-0.01
7) Phenol-d6	6.428	99	173145	13.511	ng	-0.02
23) Nitrobenzene-d5	7.357	82	101482	9.548	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	28190	9.417	ng	-0.02
45) 2-Fluorobiphenyl	9.157	172	219545	11.452	ng	-0.01
79) Terphenyl-d14	12.922	244	155682	6.790	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.545	202	127462	6.537	ng	95
78) Pyrene	12.774	202	146373	5.053	ng	98
81) Benzo(a)anthracene	13.968	228	100654	5.123	ng	96
83) Chrysene	14.004	228	93891	4.950	ng	96
87) Indeno(1,2,3-cd)pyrene	16.957	276	40134	4.509	ng	98
88) Benzo(b)fluoranthene	15.027	252	126810m	6.525	ng	
89) Benzo(k)fluoranthene	15.051	252	38333m	2.077	ng	
90) Benzo(a)pyrene	15.398	252	83293	5.243	ng	97
91) Dibenzo(a,h)anthracene	16.974	278	11313	3.356	ng	# 81
92) Benzo(g,h,i)perylene	17.409	276	38513	4.119	ng	# 93

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

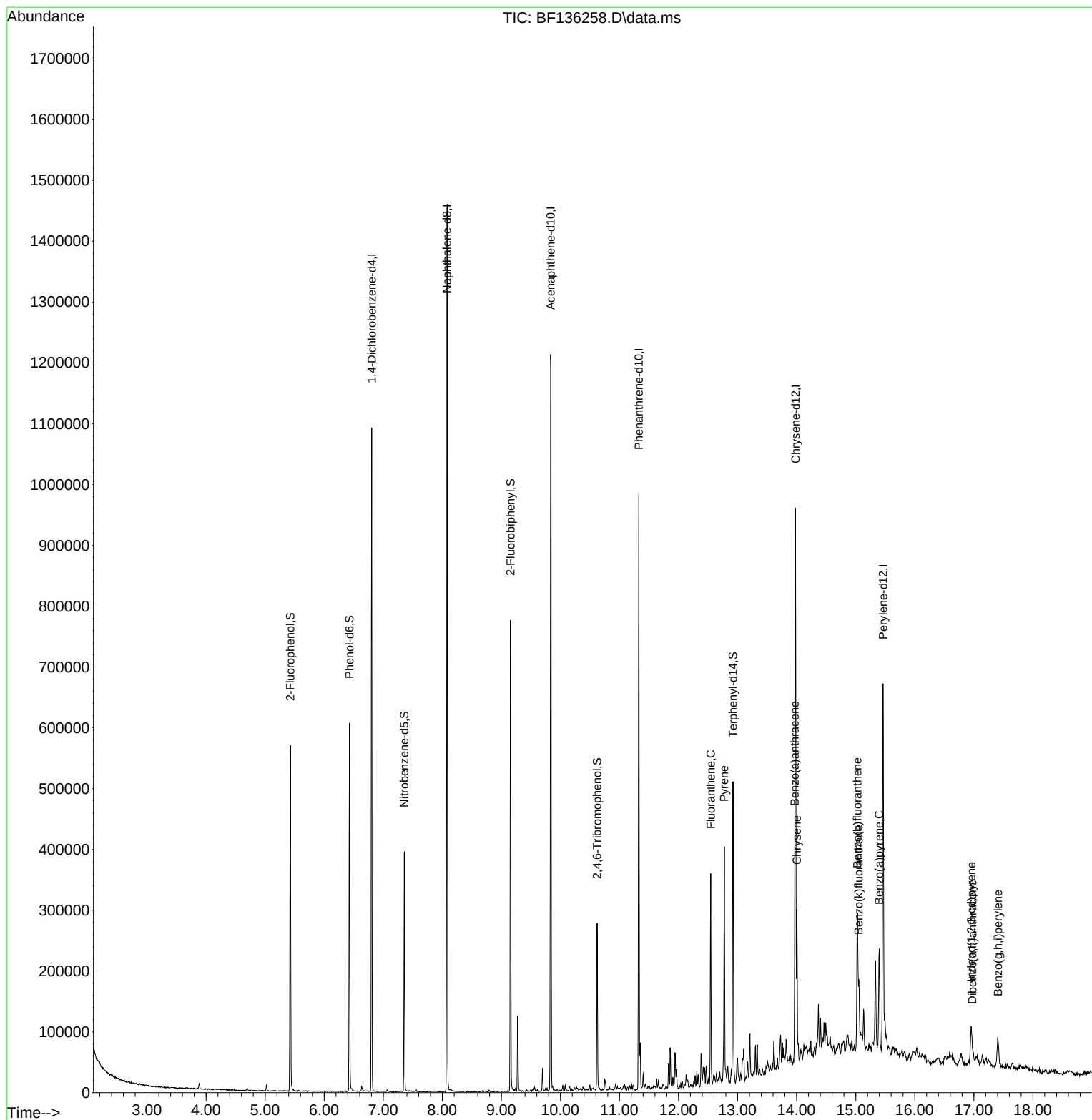
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112823\
Data File : BF136258.D
Acq On : 28 Nov 2023 20:01
Operator : CG\JU
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Misc :
ALS Vial : 9 Sample Multiplier: 1

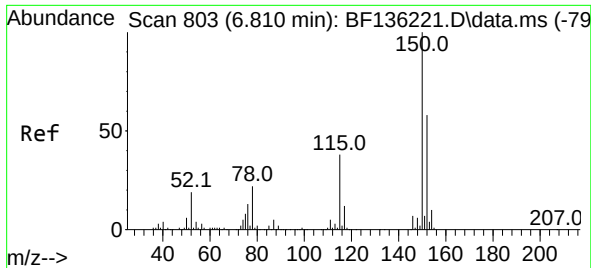
Instrument :
BNA_F
ClientSampleId :
TP-A

Quant Time: Nov 29 00:49:00 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
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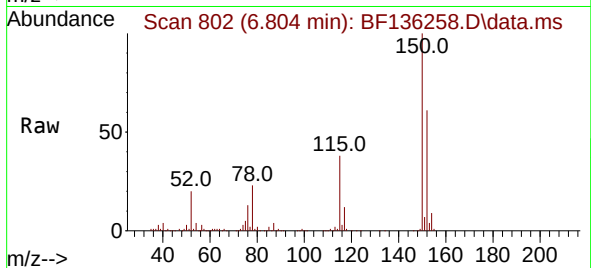
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

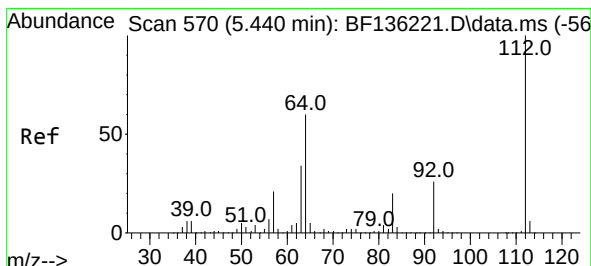
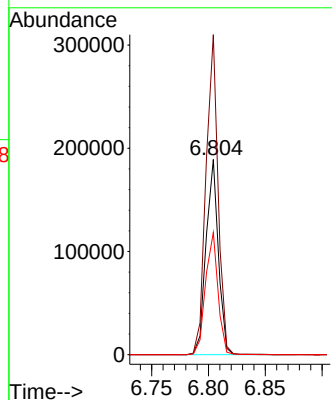
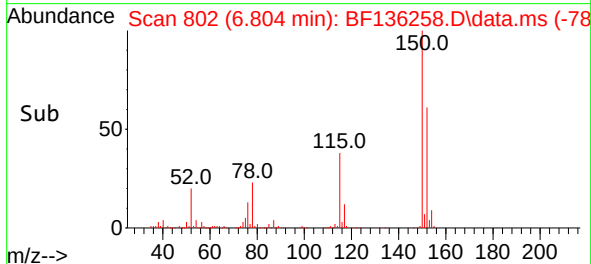
Instrument :
BNA_F
ClientSampleId :
TP-A



Tgt Ion:152 Resp: 142650
Ion Ratio Lower Upper
152 100
150 163.9 137.8 206.8
115 62.6 52.7 79.1

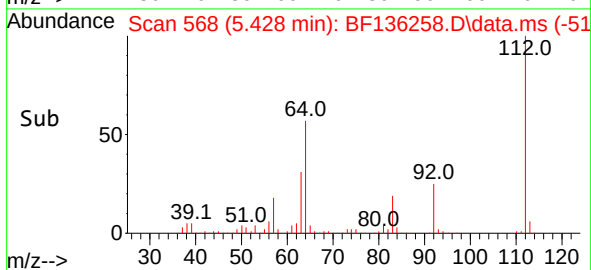
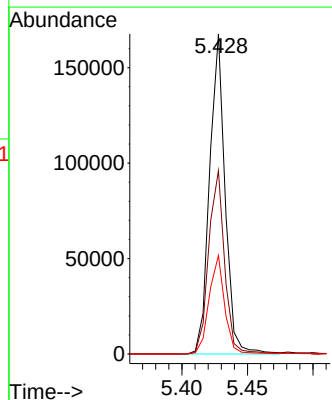
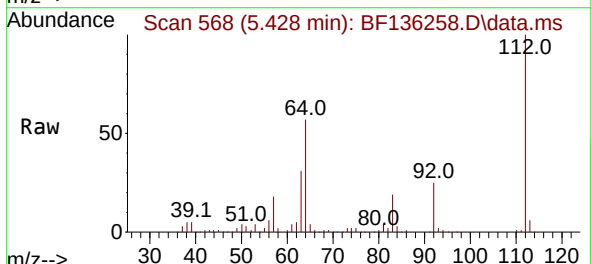
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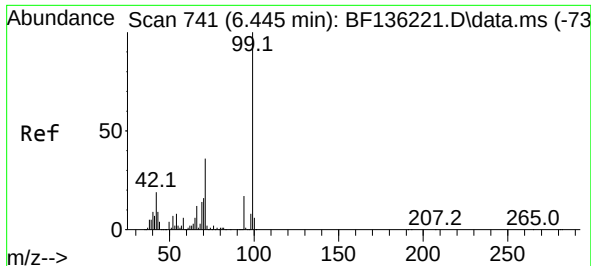
Reviewed By :Yogesh Patel 11/29/2023
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#5
2-Fluorophenol
Concen: 13.510 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.012 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

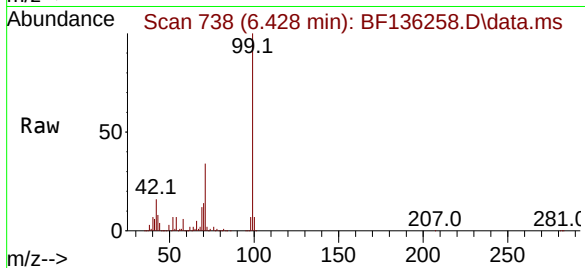
Tgt Ion:112 Resp: 138472
Ion Ratio Lower Upper
112 100
64 57.3 48.2 72.4
63 30.8 27.0 40.6





#7
Phenol-d6
Concen: 13.511 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

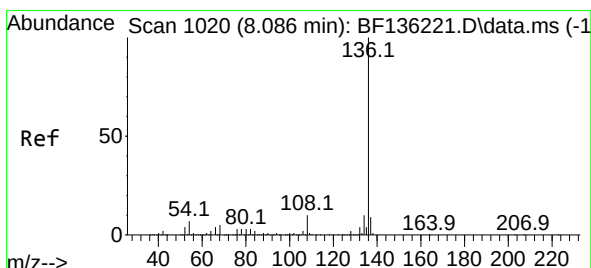
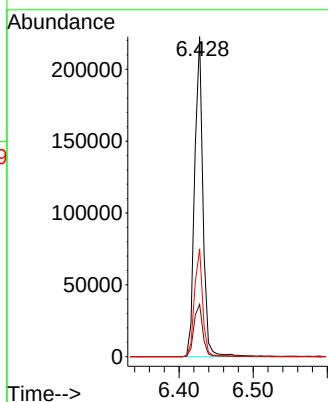
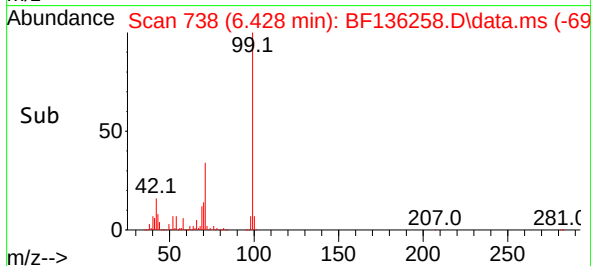
Instrument :
BNA_F
ClientSampleId :
TP-A



Tgt Ion: 99 Resp: 17314
Ion Ratio Lower Upper
99 100
42 16.4 15.0 22.6
71 33.7 28.9 43.3

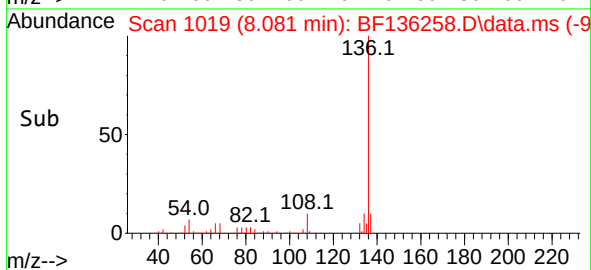
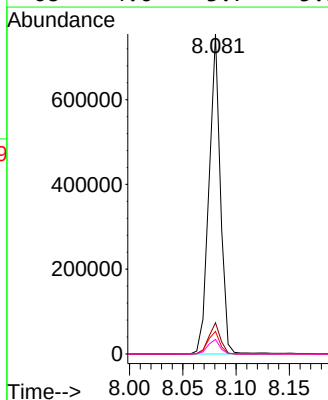
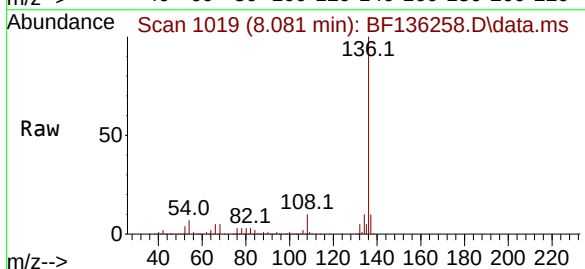
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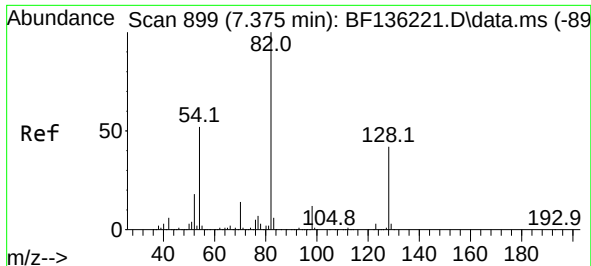
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Tgt Ion:136 Resp: 561675
Ion Ratio Lower Upper
136 100
137 9.8 7.4 11.2
54 7.0 5.5 8.3
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 9.548 ng

RT: 7.357 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-A

Tgt Ion: 82 Resp: 10148

Ion Ratio Lower Upper

82 100

128 44.3 33.4 50.2

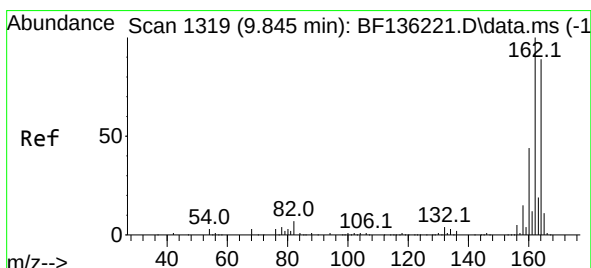
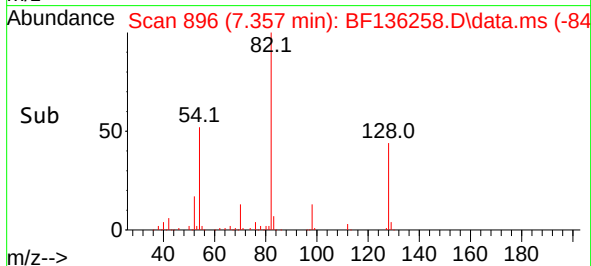
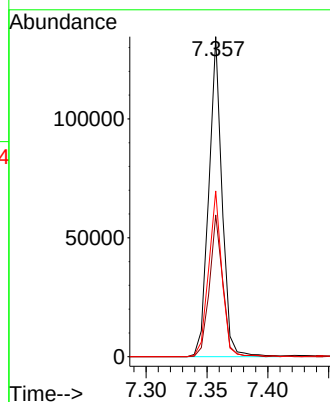
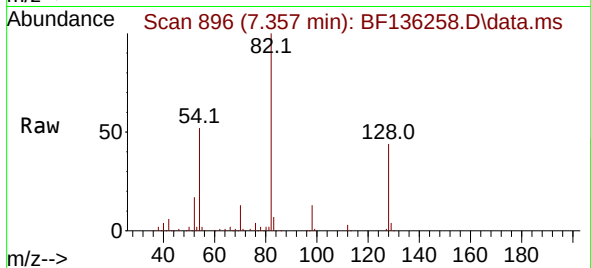
54 51.8 41.7 62.5

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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: BF136258.D

Acq: 28 Nov 2023 20:01

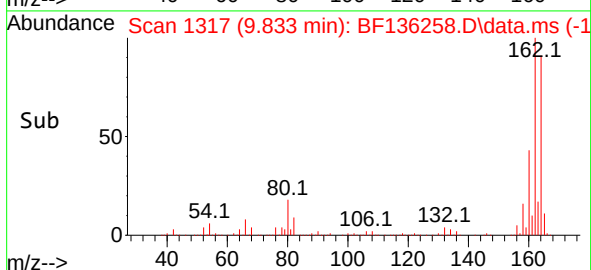
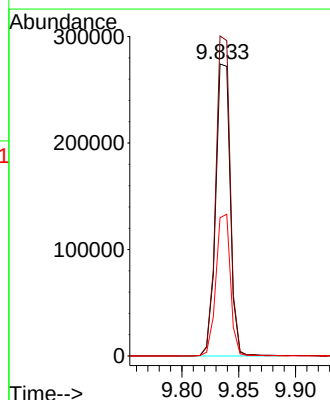
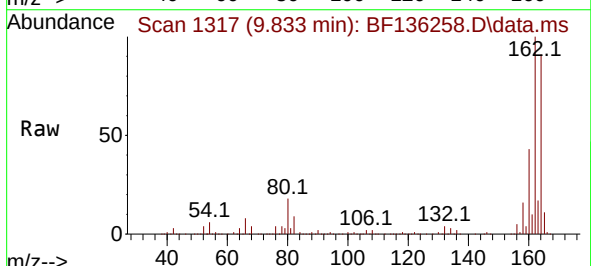
Tgt Ion:164 Resp: 244864

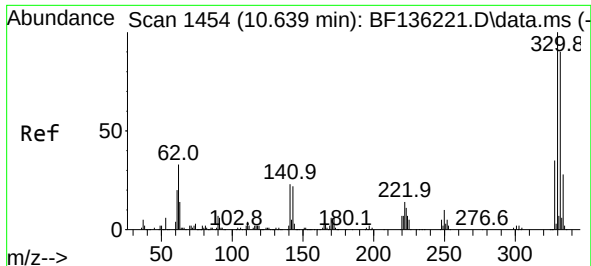
Ion Ratio Lower Upper

164 100

162 109.6 89.5 134.3

160 47.4 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 9.417 ng

RT: 10.622 min Scan# 1454

Delta R.T. -0.018 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

BNA_F

ClientSampleId :

TP-A

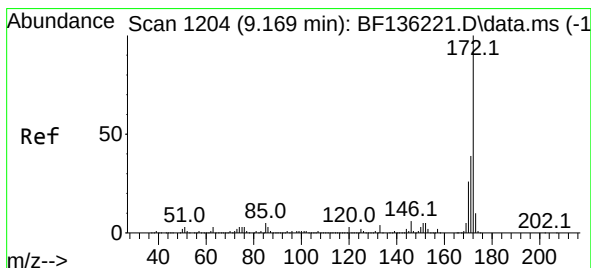
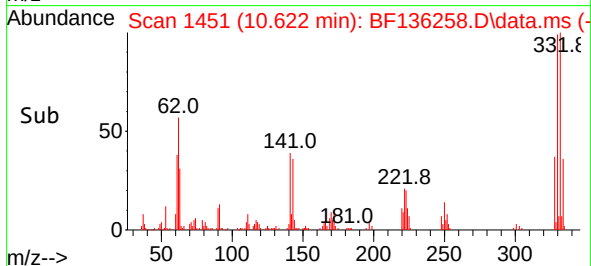
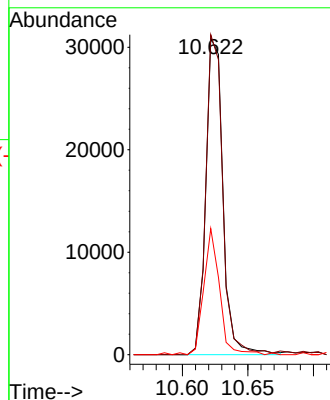
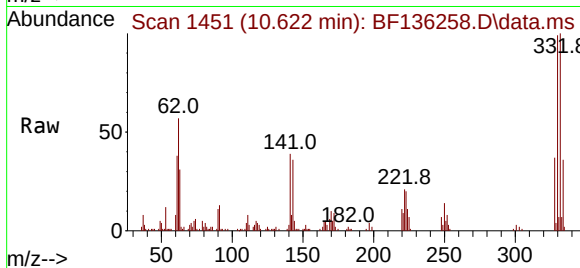
Tgt Ion: 330 Resp: 28190
 Ion Ratio Lower Upper
 330 100
 332 99.4 73.0 109.6
 141 36.8 24.2 36.2

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#45

2-Fluorobiphenyl

Concen: 11.452 ng

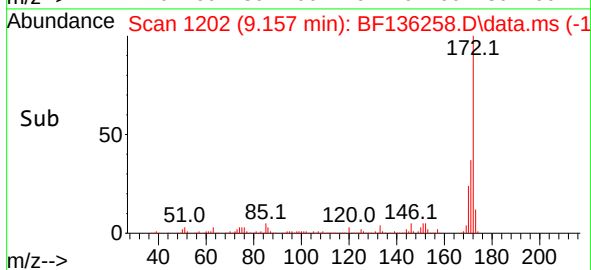
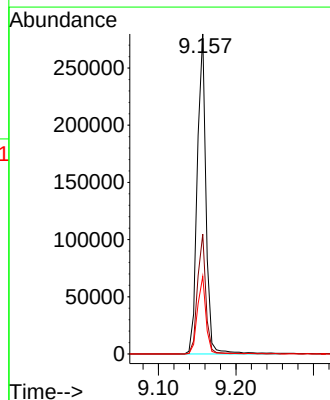
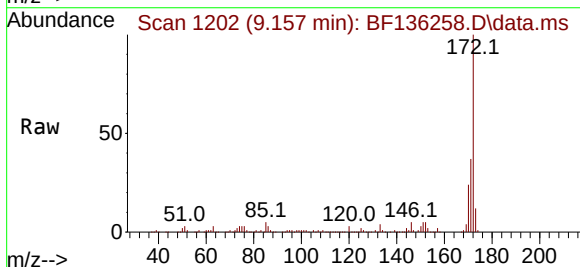
RT: 9.157 min Scan# 1202

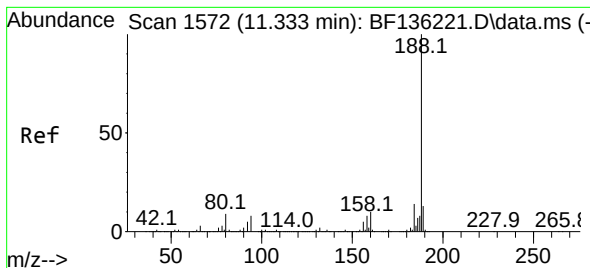
Delta R.T. -0.012 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Tgt Ion: 172 Resp: 219545
 Ion Ratio Lower Upper
 172 100
 171 37.5 31.5 47.3
 170 24.3 20.8 31.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Instrument :

BNA_F

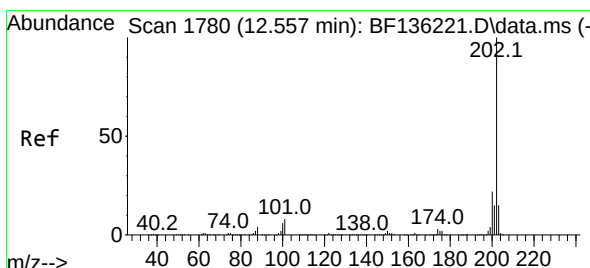
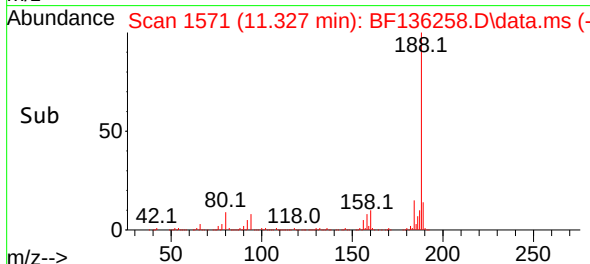
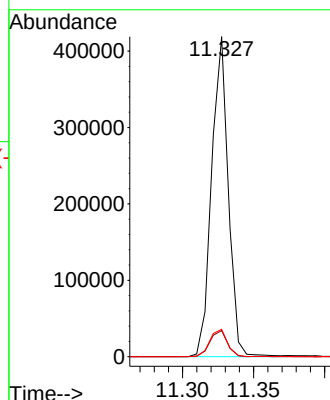
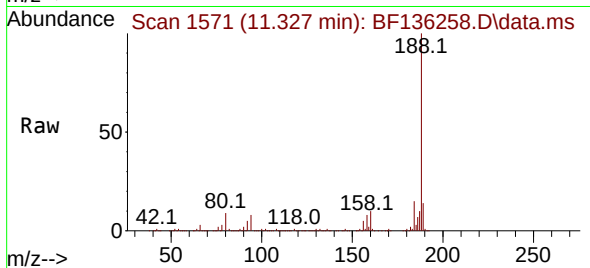
ClientSampleId :

TP-A

Tgt Ion:188 Resp: 341725
 Ion Ratio Lower Upper
 188 100
 94 8.2 6.7 10.1
 80 8.6 7.2 10.8

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 Supervised By :mohammad ahmed 12/01/2023



#75

Fluoranthene

Concen: 6.537 ng

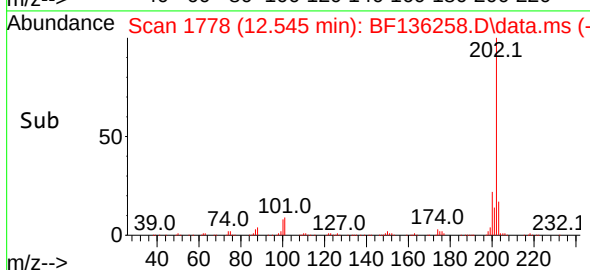
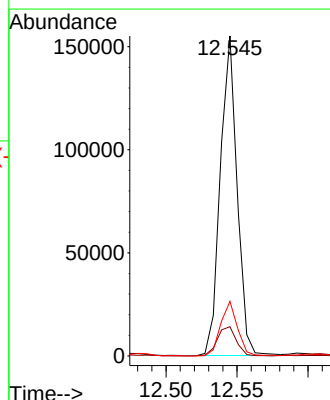
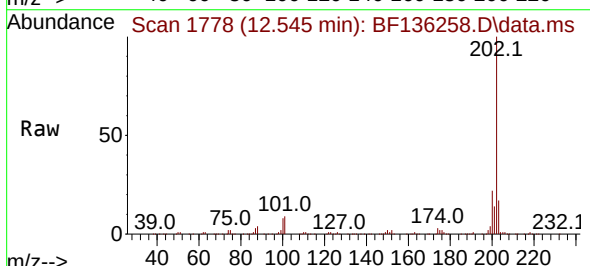
RT: 12.545 min Scan# 1778

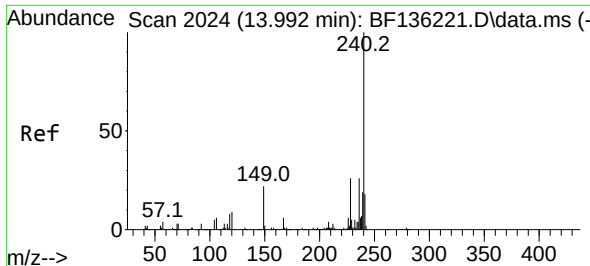
Delta R.T. -0.012 min

Lab File: BF136258.D

Acq: 28 Nov 2023 20:01

Tgt Ion:202 Resp: 127462
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 27.8
 203 17.1 0.0 34.5





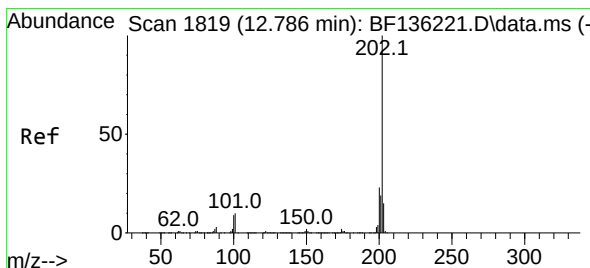
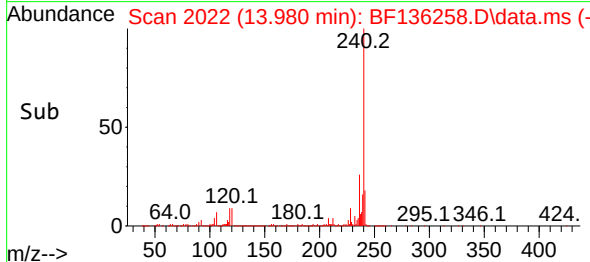
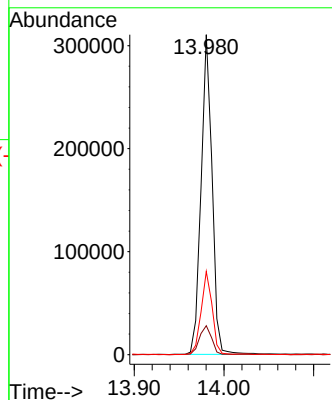
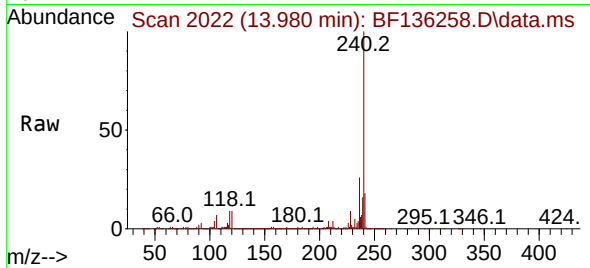
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:240 Resp: 264492
Ion Ratio Lower Upper
240 100
120 9.1 7.4 11.2
236 26.0 21.1 31.7

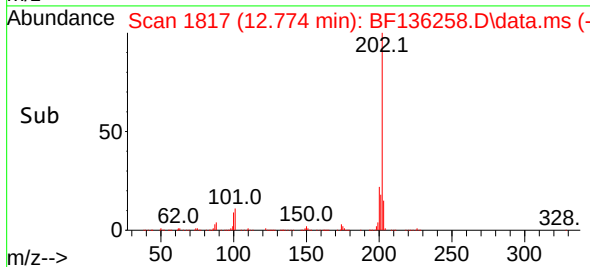
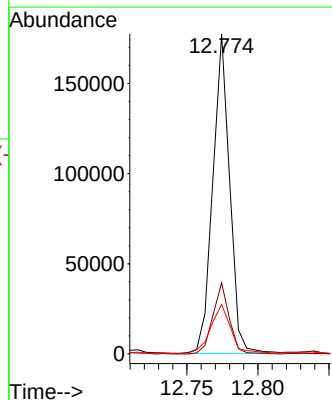
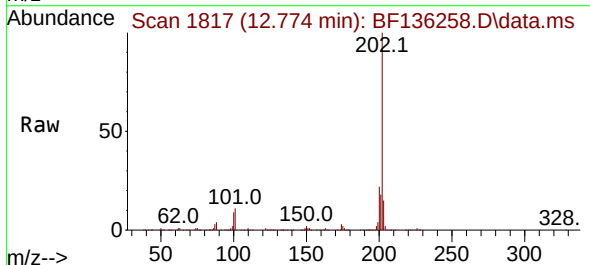
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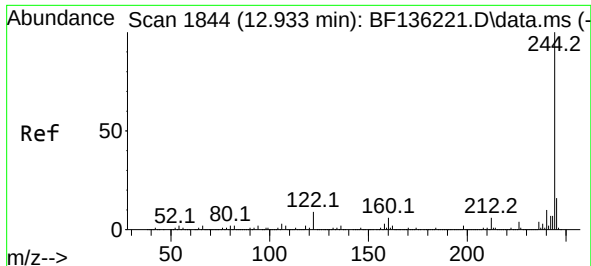
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#78
Pyrene
Concen: 5.053 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.012 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

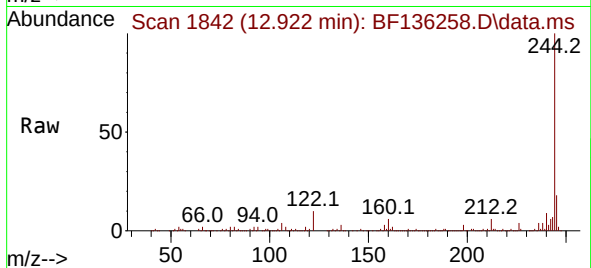
Tgt Ion:202 Resp: 146373
Ion Ratio Lower Upper
202 100
200 22.3 18.4 27.6
203 15.4 11.8 17.6





#79
 Terphenyl-d14
 Concen: 6.790 ng
 RT: 12.922 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136258.D
 Acq: 28 Nov 2023 20:01

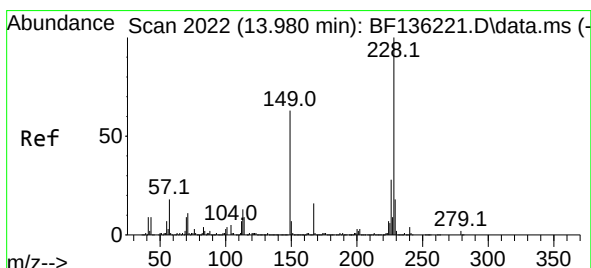
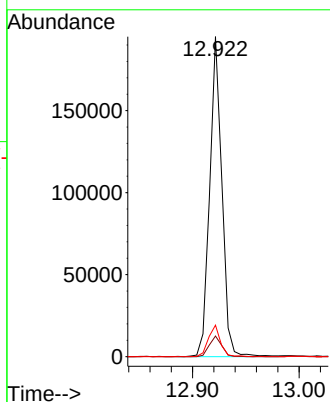
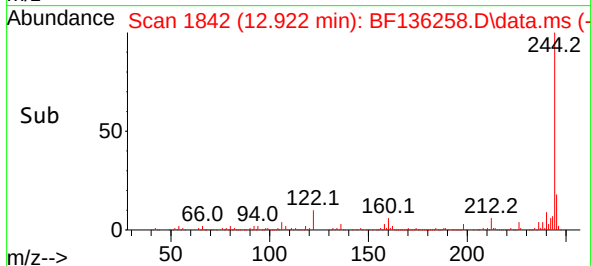
Instrument :
 BNA_F
 ClientSampleId :
 TP-A



Tgt Ion:244 Resp: 15568
 Ion Ratio Lower Upper
 244 100
 212 6.4 4.6 7.0
 122 9.9 7.3 10.9

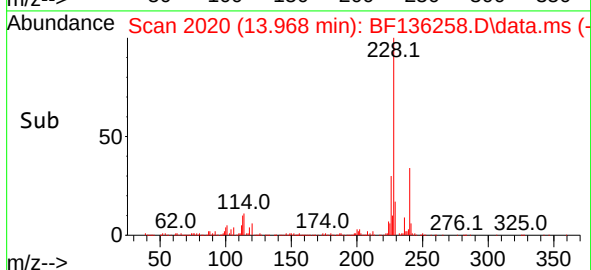
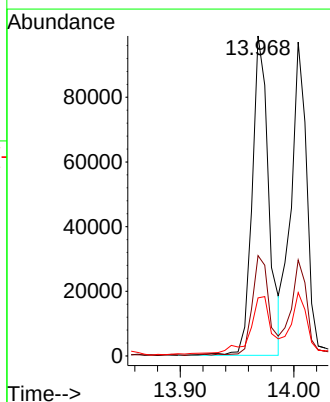
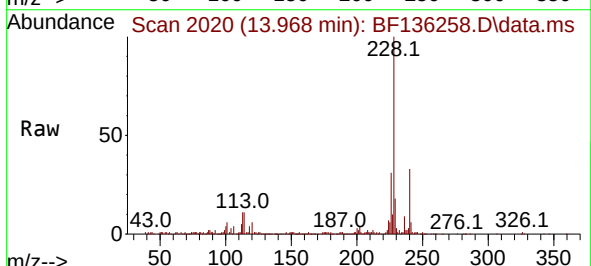
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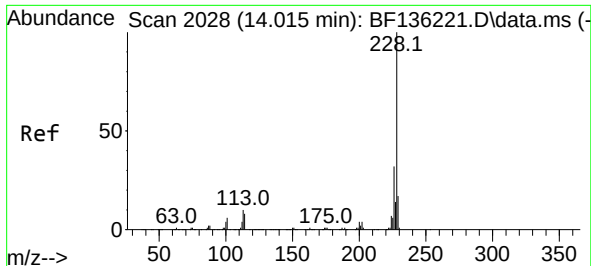
Reviewed By :Yogesh Patel 11/29/2023
 Supervised By :mohammad ahmed 12/01/2023



#81
 Benzo(a)anthracene
 Concen: 5.123 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. -0.012 min
 Lab File: BF136258.D
 Acq: 28 Nov 2023 20:01

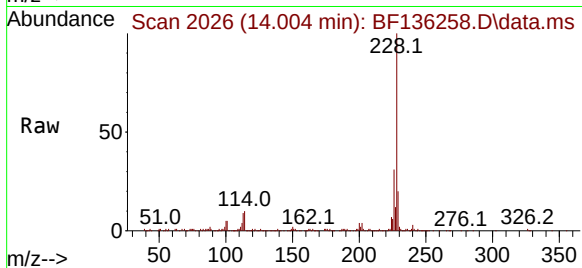
Tgt Ion:228 Resp: 100654
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.6 34.0
 229 18.2 14.0 21.0





#83
Chrysene
Concen: 4.950 ng
RT: 14.004 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

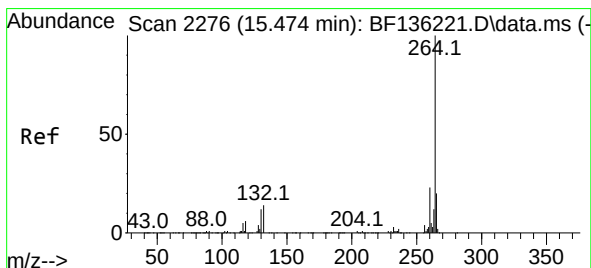
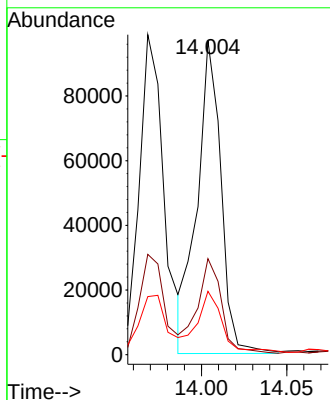
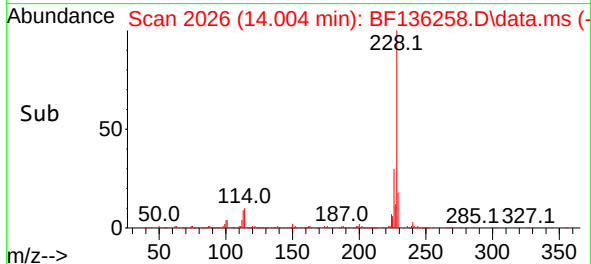
Instrument :
BNA_F
ClientSampleId :
TP-A



Tgt Ion:228 Resp: 9389
Ion Ratio Lower Upper
228 100
226 30.6 25.5 38.3
229 20.2 13.9 20.9

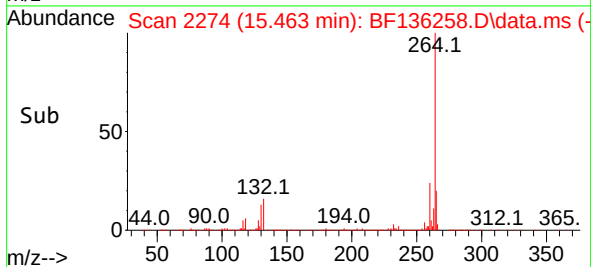
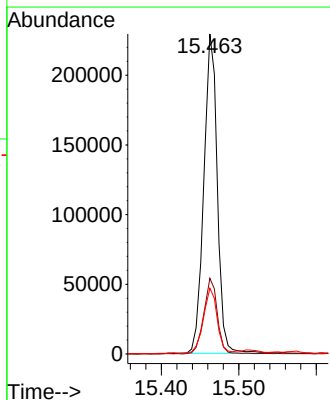
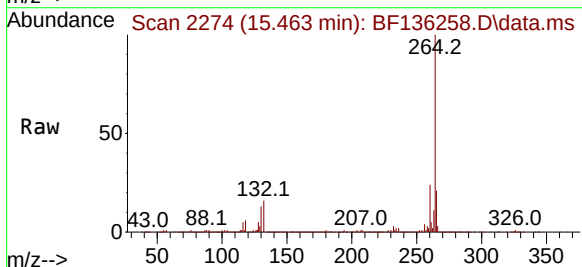
Manual Integrations
APPROVED

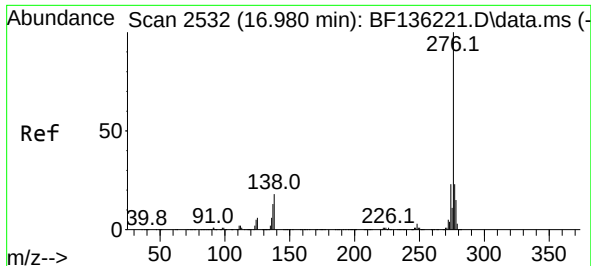
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2274
Delta R.T. -0.011 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

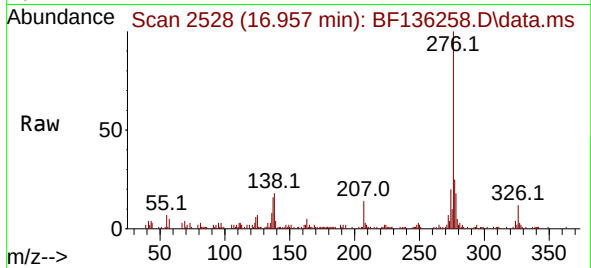
Tgt Ion:264 Resp: 277020
Ion Ratio Lower Upper
264 100
260 23.7 18.6 27.8
265 20.5 15.7 23.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.509 ng
RT: 16.957 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

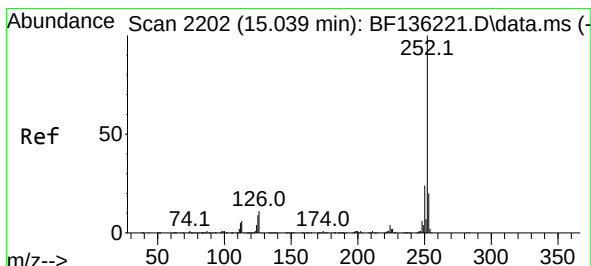
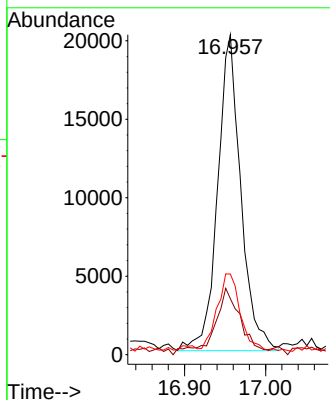
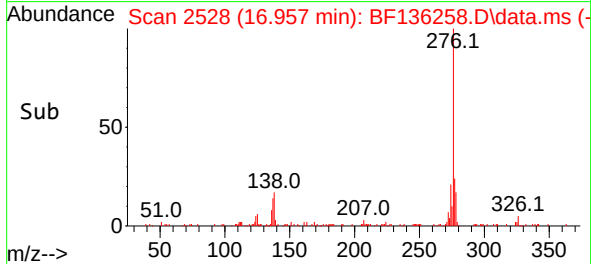
Instrument :
BNA_F
ClientSampleId :
TP-A



Tgt Ion: 276 Resp: 40134
Ion Ratio Lower Upper
276 100
138 24.0 17.7 26.5
277 24.2 19.6 29.4

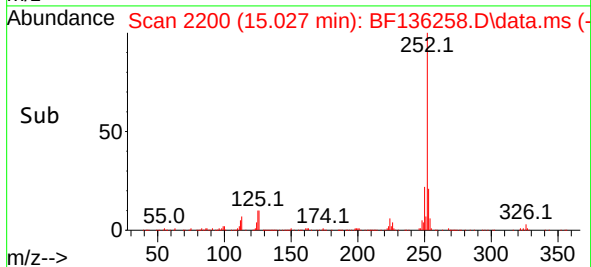
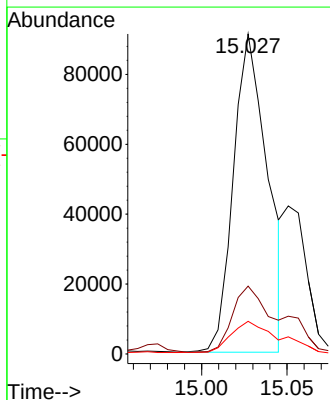
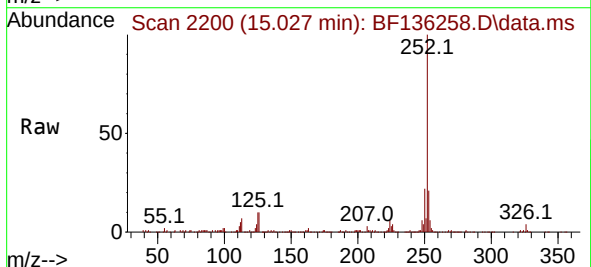
Manual Integrations
APPROVED

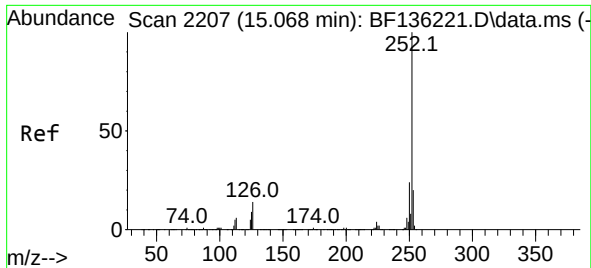
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#88
Benzo(b)fluoranthene
Concen: 6.525 ng m
RT: 15.027 min Scan# 2200
Delta R.T. -0.012 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Tgt Ion: 252 Resp: 126810
Ion Ratio Lower Upper
252 100
253 21.2 16.2 24.2
125 10.2 6.9 10.3





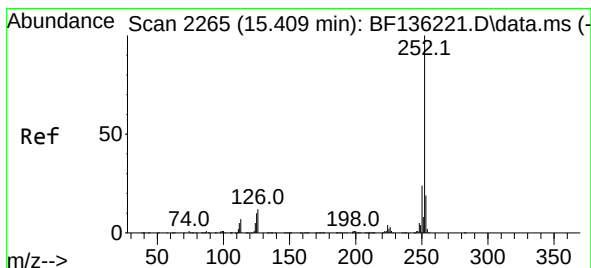
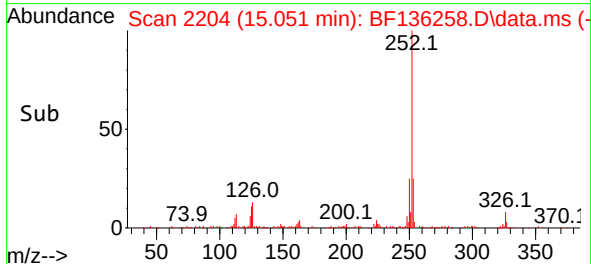
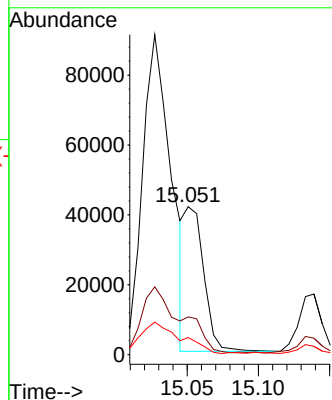
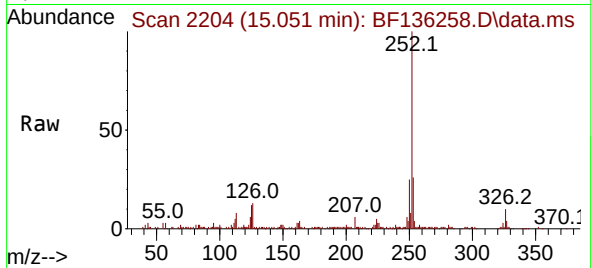
#89
Benzo(k)fluoranthene
Concen: 2.077 ng m
RT: 15.051 min Scan# 2204
Delta R.T. -0.017 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:252 Resp: 3833
Ion Ratio Lower Upper
252 100
253 25.5 15.6 23.4
125 11.6 7.0 10.4

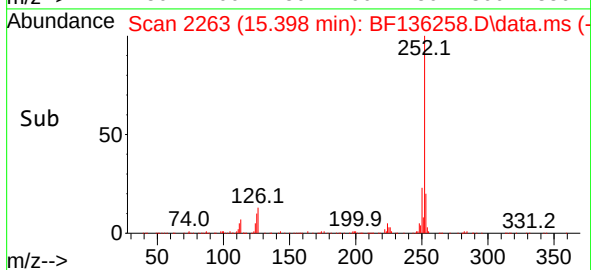
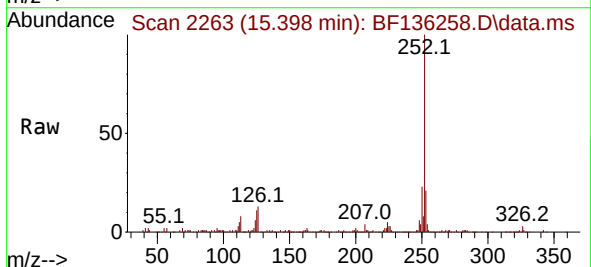
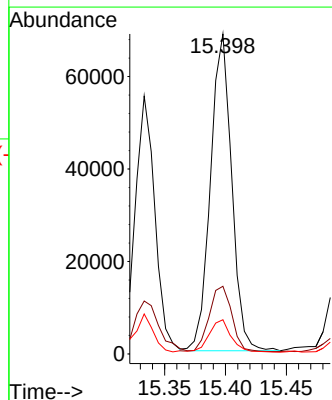
Manual Integrations
APPROVED

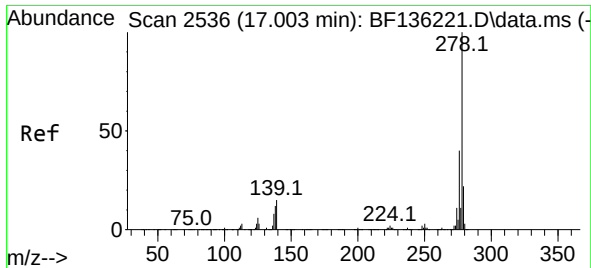
Reviewed By :Yogesh Patel 11/29/2023
Supervised By :mohammad ahmed 12/01/2023



#90
Benzo(a)pyrene
Concen: 5.243 ng
RT: 15.398 min Scan# 2263
Delta R.T. -0.011 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Tgt Ion:252 Resp: 83293
Ion Ratio Lower Upper
252 100
253 21.1 15.5 23.3
125 10.7 7.9 11.9





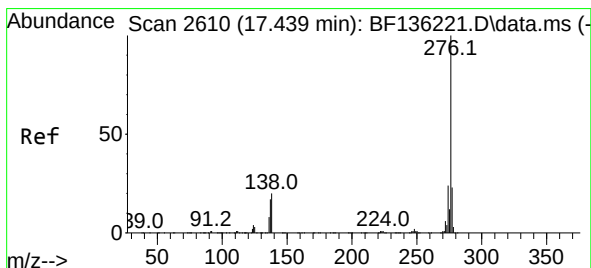
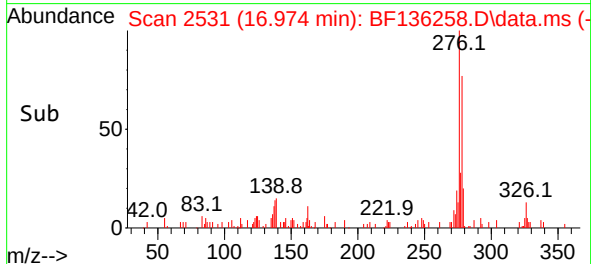
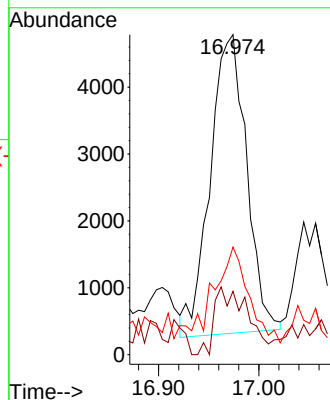
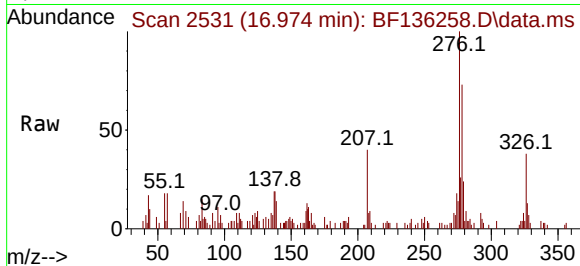
#91
Dibenzo(a,h)anthracene
Concen: 3.356 ng
RT: 16.974 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Instrument :
BNA_F
ClientSampleId :
TP-A

Tgt Ion:278 Resp: 1131
Ion Ratio Lower Upper
278 100
139 19.8 11.7 17.5
279 33.6 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: 4.119 ng
RT: 17.409 min Scan# 2605
Delta R.T. -0.030 min
Lab File: BF136258.D
Acq: 28 Nov 2023 20:01

Tgt Ion:276 Resp: 38513
Ion Ratio Lower Upper
276 100
277 20.8 18.6 27.8
138 24.1 15.8 23.8

