

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136758.D
 Acq On : 27 Dec 2023 15:04
 Operator : CG\JU
 Sample : 05796-03RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-06-12-13RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023

Quant Time: Dec 27 15:27:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	66108	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	237093	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	112255	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	182527	20.000	ng	0.00
76) Chrysene-d12	13.968	240	124710	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	152440	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	6579	1.553	ng	0.00
7) Phenol-d6	6.428	99	255225	46.489	ng	-0.01
23) Nitrobenzene-d5	7.345	82	262343	56.621	ng	-0.01
42) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng	
45) 2-Fluorobiphenyl	9.139	172	520210	62.329	ng	-0.01
79) Terphenyl-d14	12.904	244	407838	45.701	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	88390	9.438	ng	99
72) Anthracene	11.380	178	19820	2.090	ng	96
75) Fluoranthene	12.527	202	95725	9.555	ng	99
78) Pyrene	12.757	202	75612	6.176	ng	100
81) Benzo(a)anthracene	13.957	228	39298	4.538	ng	# 93
83) Chrysene	13.992	228	41118	4.856	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.945	276	23134	2.102	ng	96
88) Benzo(b)fluoranthene	15.015	252	49455m	4.857	ng	
90) Benzo(a)pyrene	15.380	252	32982	3.838	ng	# 80
92) Benzo(g,h,i)perylene	17.403	276	22210	2.402	ng	94

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

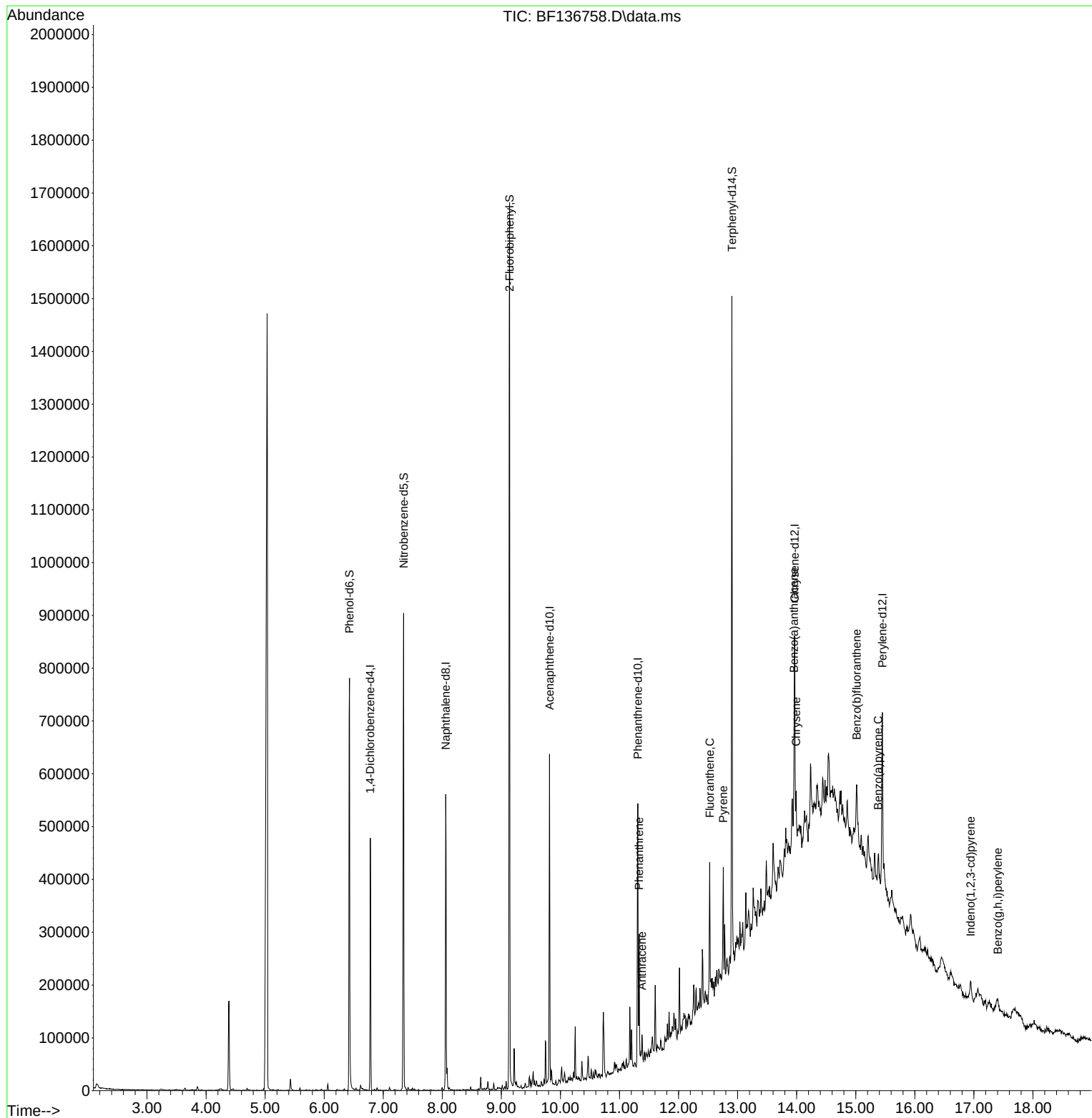
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136758.D
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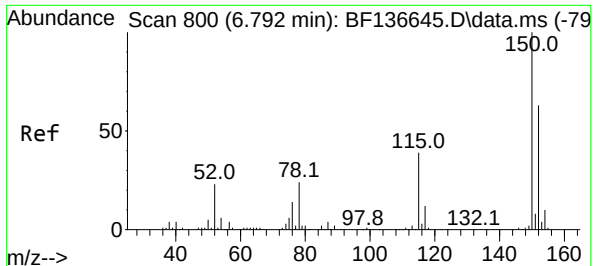
Instrument :
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RT-SB-06-12-13RE

Quant Time: Dec 27 15:27:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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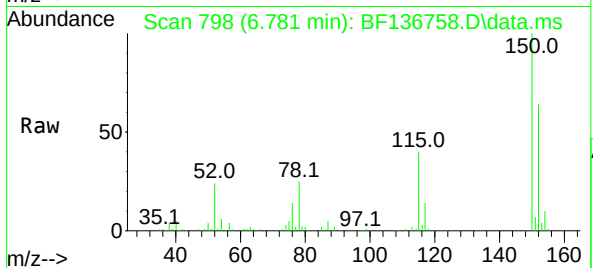
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

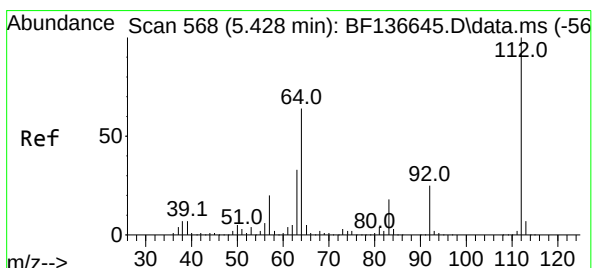
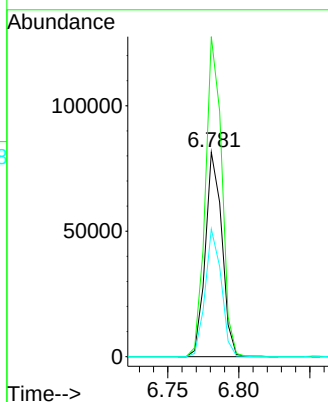
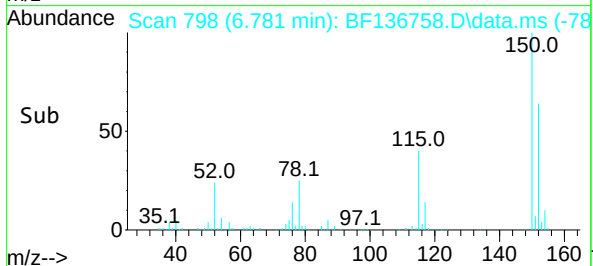
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-12-13RE



Tgt Ion:152 Resp: 66108
Ion Ratio Lower Upper
152 100
150 156.4 127.0 190.6
115 62.4 49.0 73.4

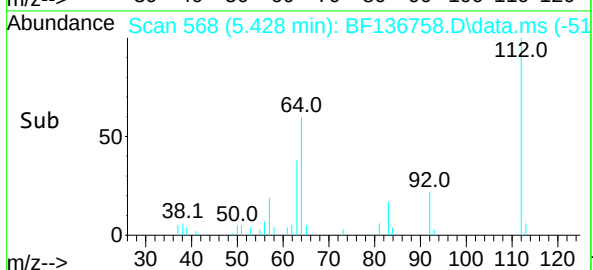
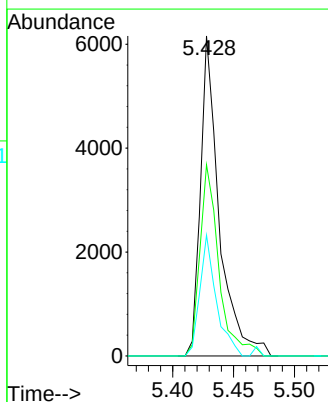
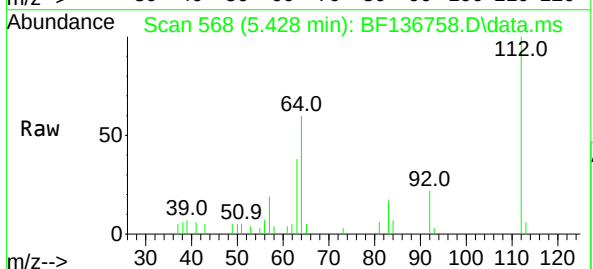
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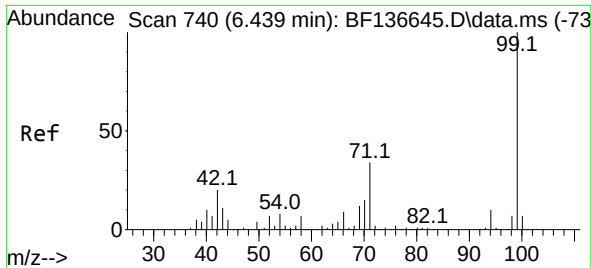
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#5
2-Fluorophenol
Concen: 1.553 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

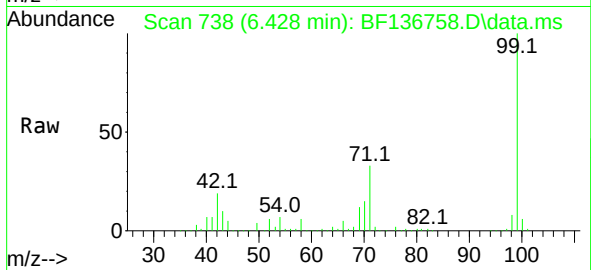
Tgt Ion:112 Resp: 6579
Ion Ratio Lower Upper
112 100
64 59.7 51.1 76.7
63 37.8 26.1 39.1





#7
Phenol-d6
Concen: 46.489 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

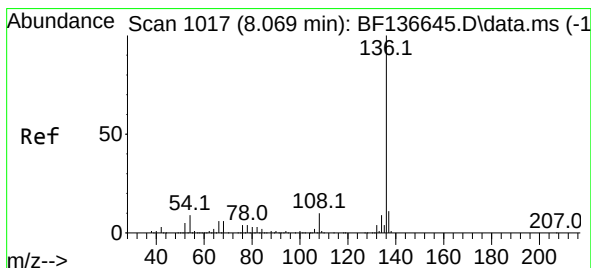
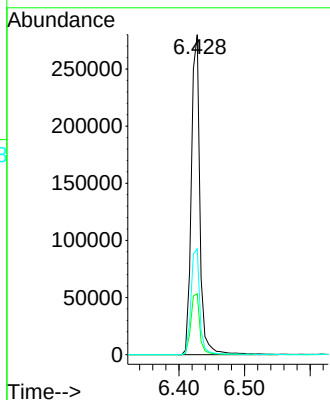
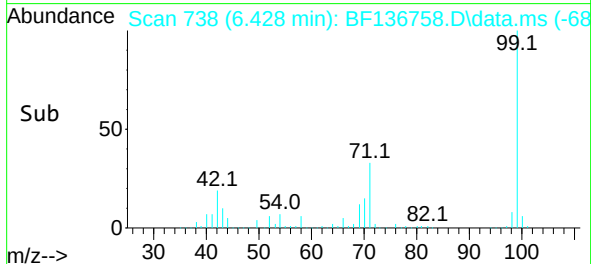
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-12-13RE



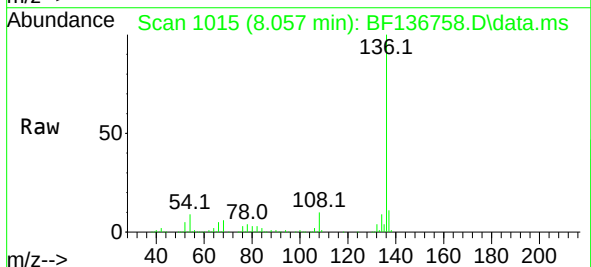
Tgt Ion: 99 Resp: 255225
Ion Ratio Lower Upper
99 100
42 19.1 16.1 24.1
71 33.1 27.4 41.2

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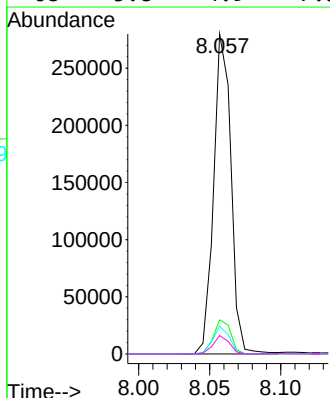
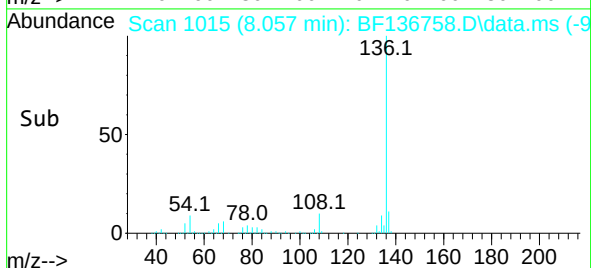
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

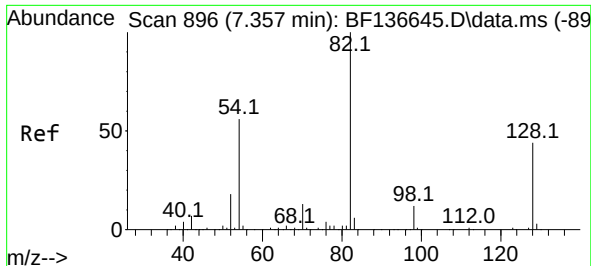


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04



Tgt Ion:136 Resp: 237093
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.7 7.2 10.8
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 56.621 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE

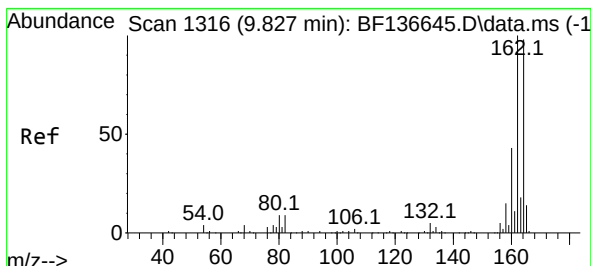
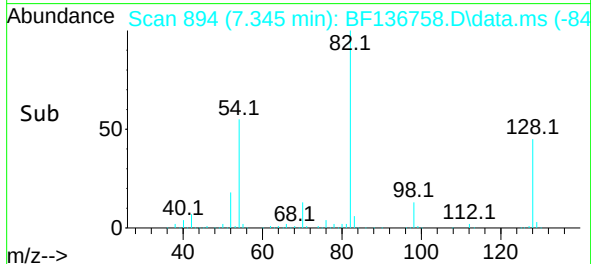
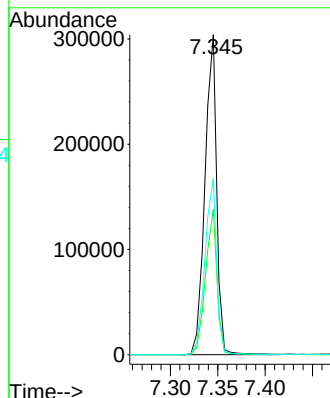
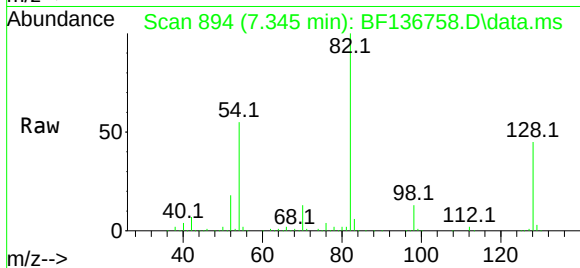
Tgt Ion: 82 Resp: 26234

Ion	Ratio	Lower	Upper
82	100		
128	45.5	35.3	52.9
54	55.0	44.5	66.7

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

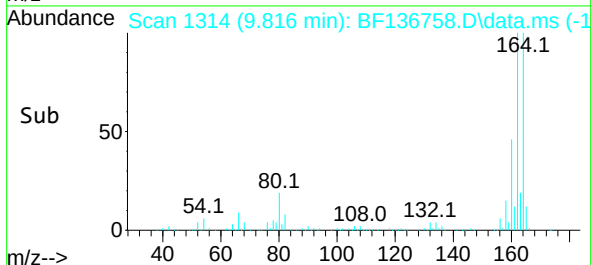
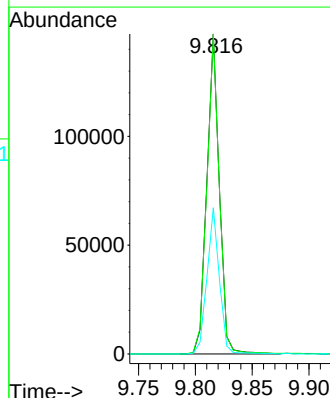
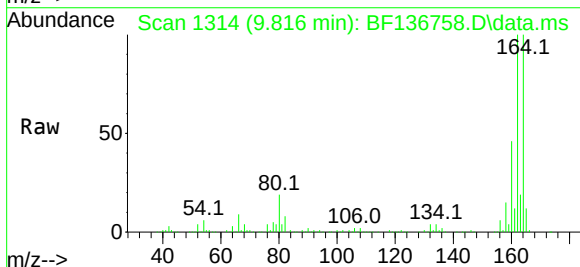
Delta R.T. -0.012 min

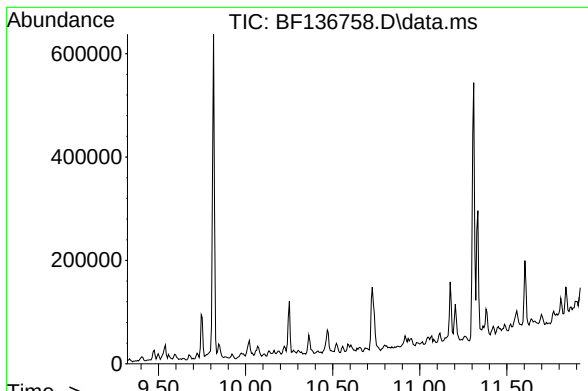
Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Tgt Ion:164 Resp: 112255

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.6	122.4
160	45.7	34.9	52.3





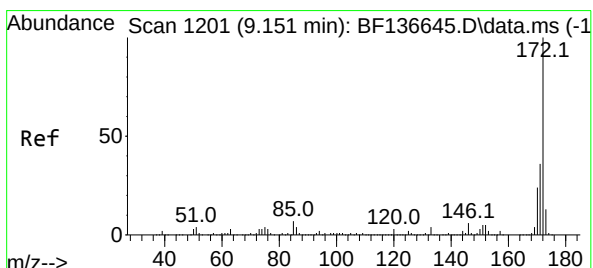
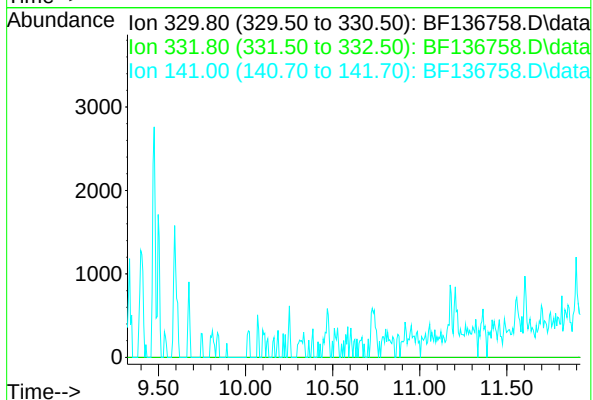
#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.62 min
 Lab File: BF136758.D
 Acq: 27 Dec 2023 15:04

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-06-12-13RE

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 96.7
 141 29.3

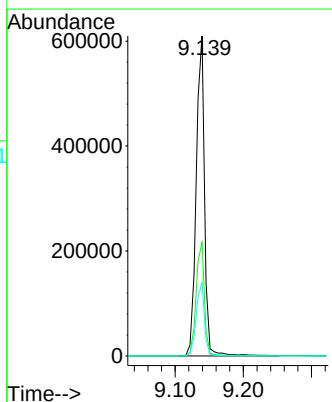
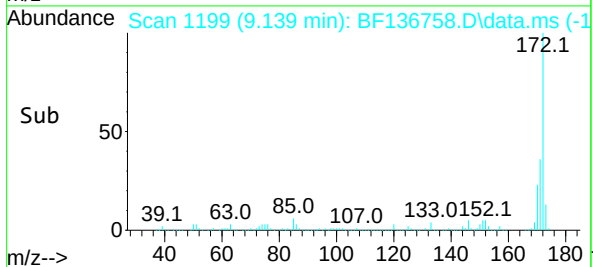
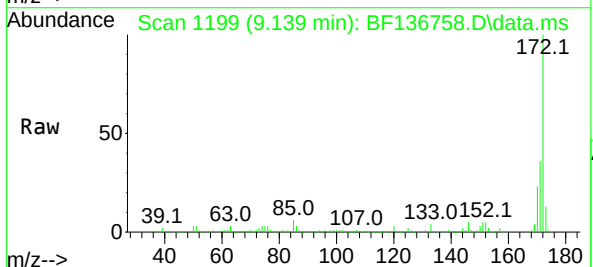
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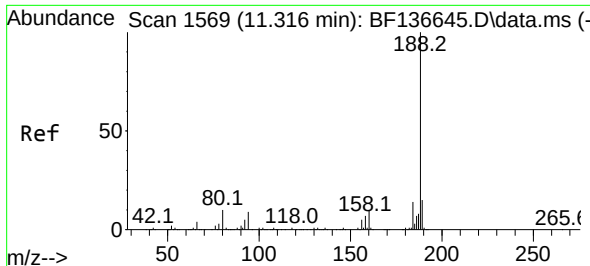
Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023



#45
 2-Fluorobiphenyl
 Concen: 62.329 ng
 RT: 9.139 min Scan# 1199
 Delta R.T. -0.012 min
 Lab File: BF136758.D
 Acq: 27 Dec 2023 15:04

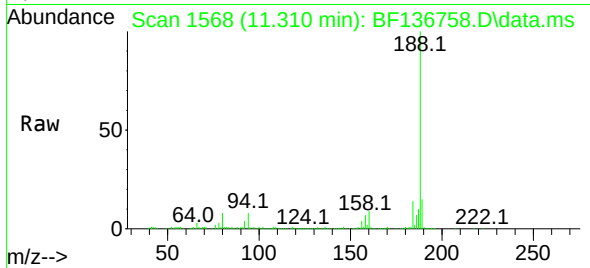
Tgt Ion:172 Resp: 520210
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.0 43.6
 170 22.9 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

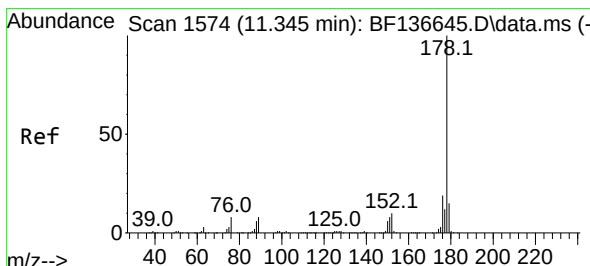
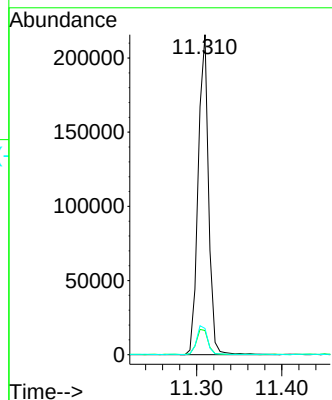
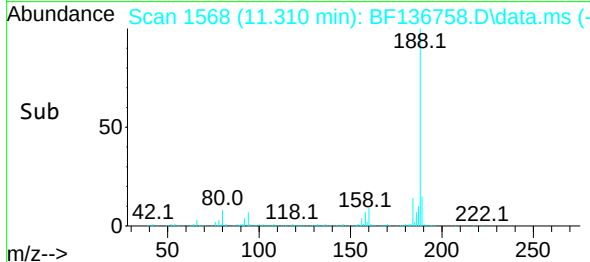
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-12-13RE



Tgt Ion:188 Resp: 18252
Ion Ratio Lower Upper
188 100
94 7.5 7.5 11.3
80 8.2 8.1 12.1

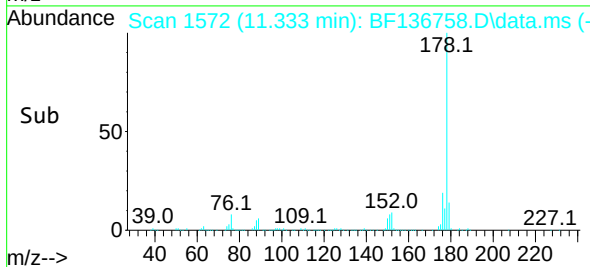
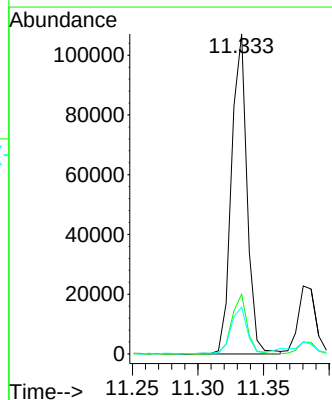
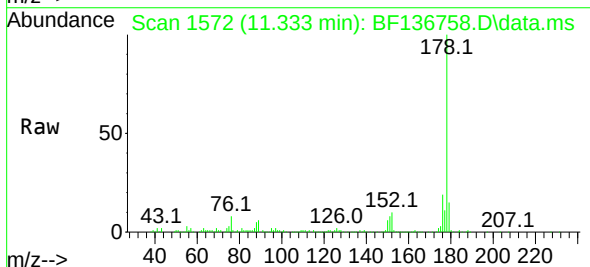
Manual Integrations
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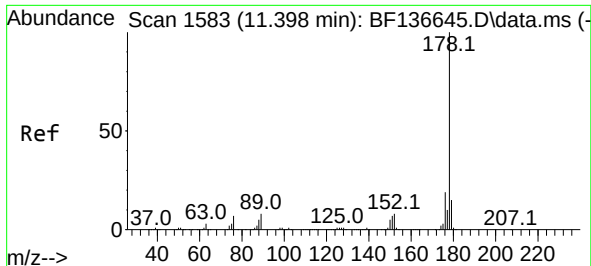
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023



#71
Phenanthrene
Concen: 9.438 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

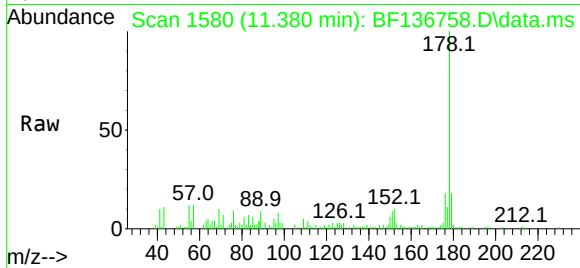
Tgt Ion:178 Resp: 88390
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 14.6 11.9 17.9





#72
 Anthracene
 Concen: 2.090 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF136758.D
 Acq: 27 Dec 2023 15:04

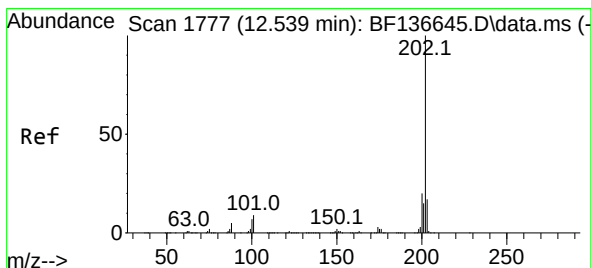
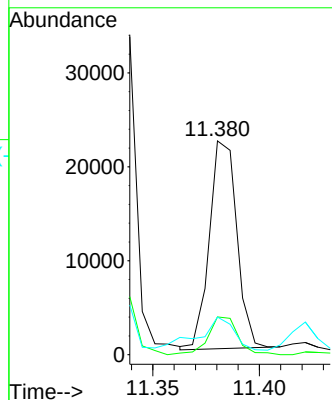
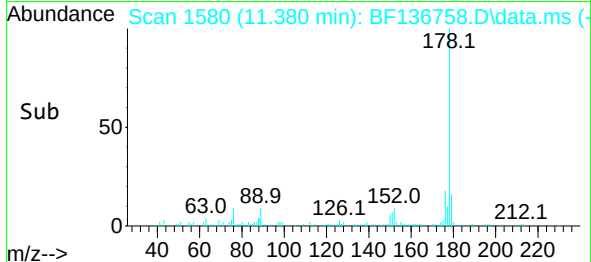
Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-06-12-13RE



Tgt Ion:178 Resp: 19820
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.9 22.3
 179 17.6 11.8 17.6

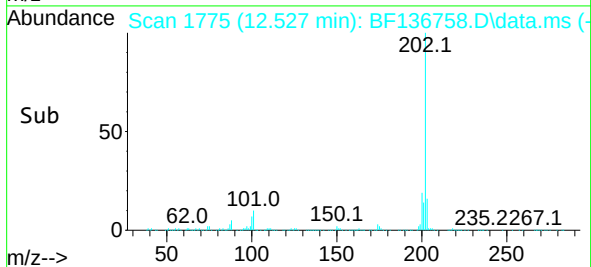
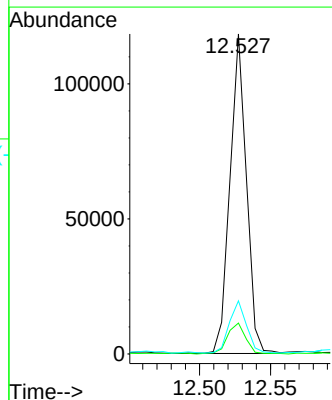
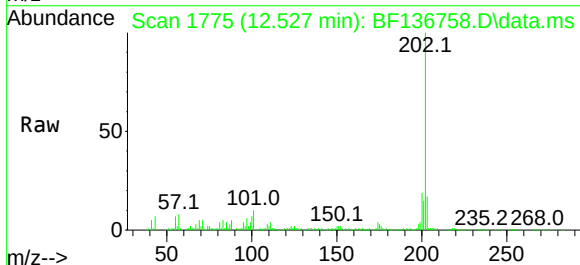
Manual Integrations
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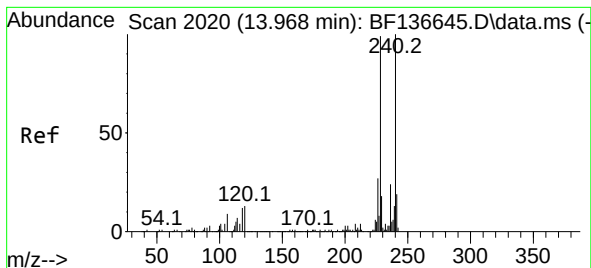
Reviewed By :Yogesh Patel 12/28/2023
 Supervised By :mohammad ahmed 12/28/2023



#75
 Fluoranthene
 Concen: 9.555 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136758.D
 Acq: 27 Dec 2023 15:04

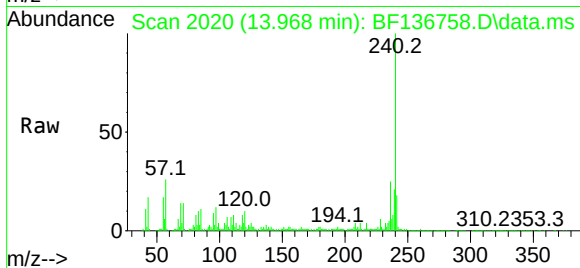
Tgt Ion:202 Resp: 95725
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 29.3
 203 16.6 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04

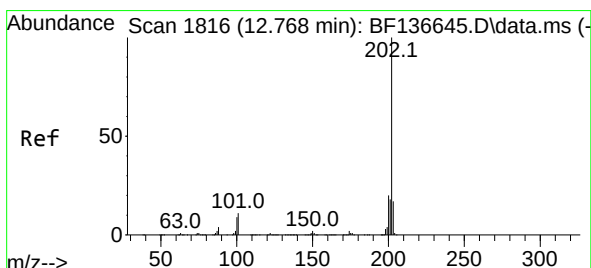
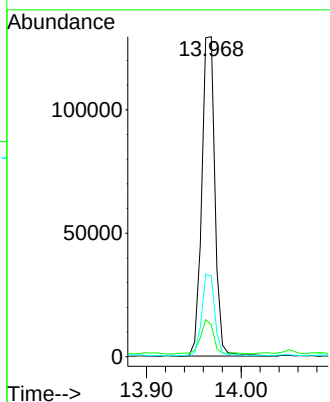
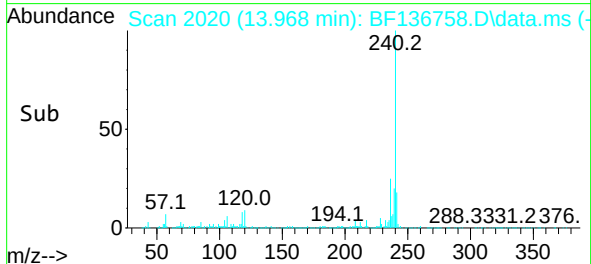
Instrument :
BNA_F
ClientSampleId :
RT-SB-06-12-13RE



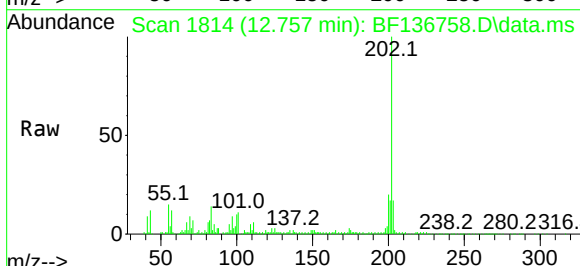
Tgt Ion:240 Resp: 124710
Ion Ratio Lower Upper
240 100
120 9.9 10.3 15.5
236 25.3 19.4 29.2

Manual Integrations
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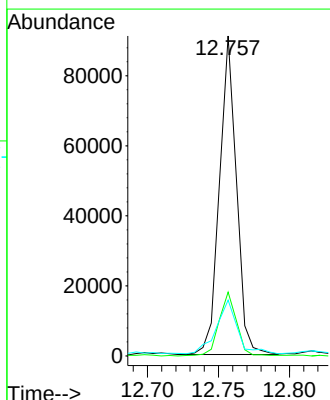
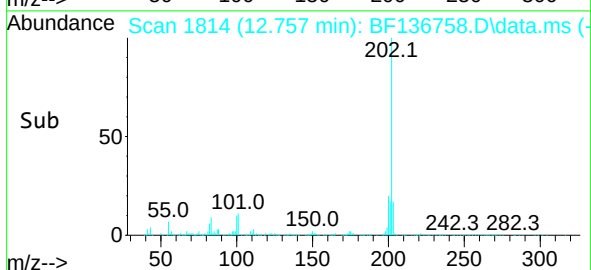
Reviewed By :Yogesh Patel 12/28/2023
Supervised By :mohammad ahmed 12/28/2023

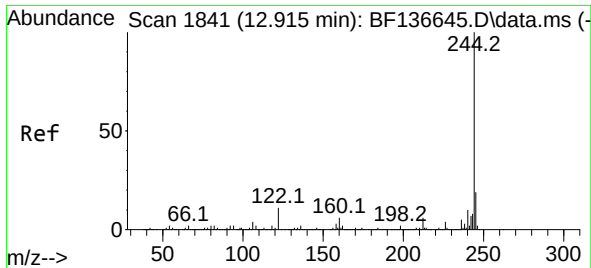


#78
Pyrene
Concen: 6.176 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136758.D
Acq: 27 Dec 2023 15:04



Tgt Ion:202 Resp: 75612
Ion Ratio Lower Upper
202 100
200 19.9 15.9 23.9
203 17.4 13.8 20.6





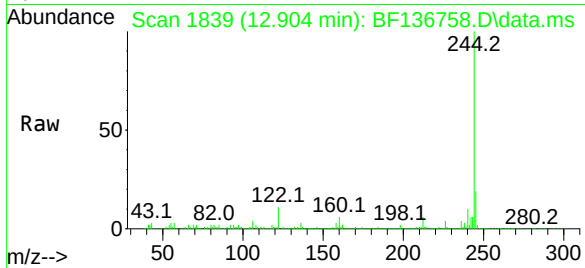
#79
 Terphenyl-d14
 Concen: 45.701 ng
 RT: 12.904 min Scan# 1841
 Delta R.T. -0.012 min
 Lab File: BF136758.D
 Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE



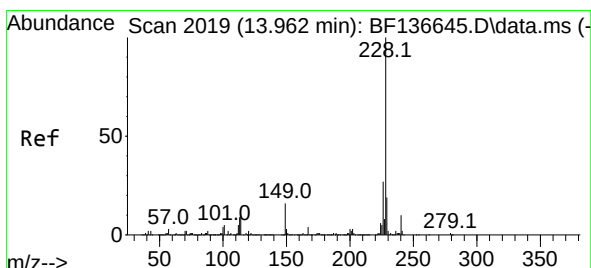
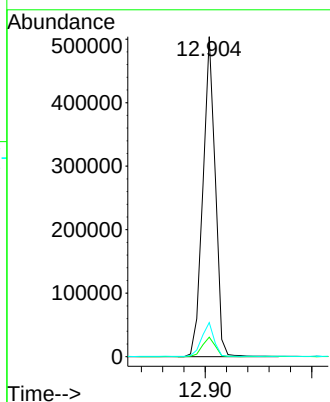
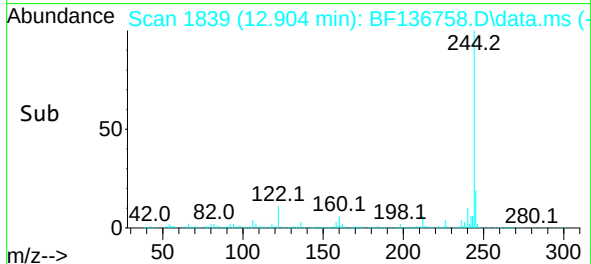
Tgt Ion:244 Resp: 407838
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 10.6 9.0 13.4

Manual Integrations

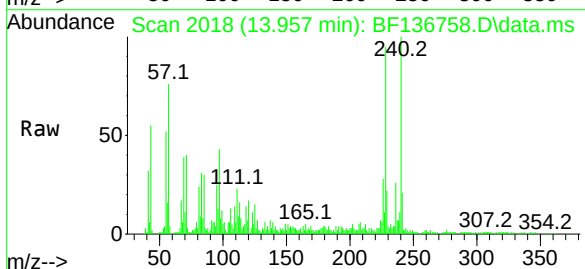
APPROVED

Reviewed By :Yogesh Patel 12/28/2023

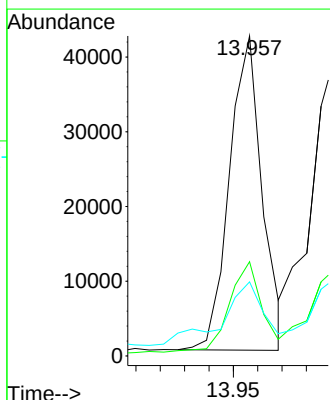
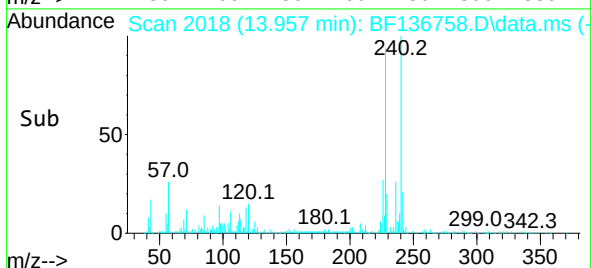
Supervised By :mohammad ahmed 12/28/2023

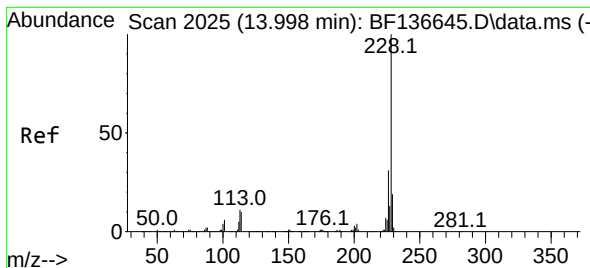


#81
 Benzo(a)anthracene
 Concen: 4.538 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF136758.D
 Acq: 27 Dec 2023 15:04



Tgt Ion:228 Resp: 39298
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.4 32.0
 229 23.1 14.9 22.3#





#83

Chrysene

Concen: 4.856 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE

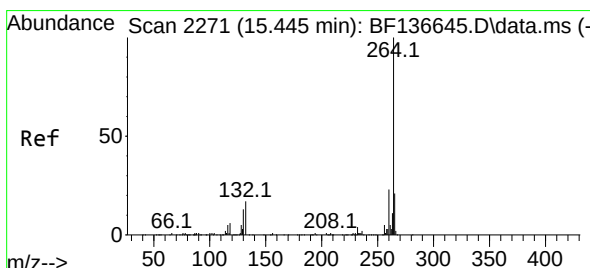
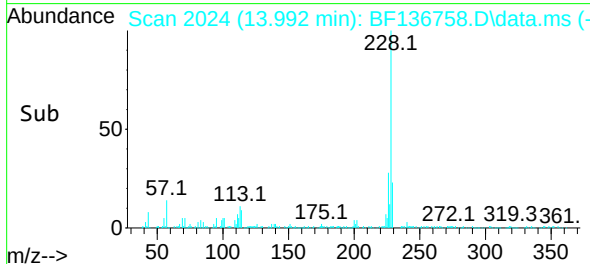
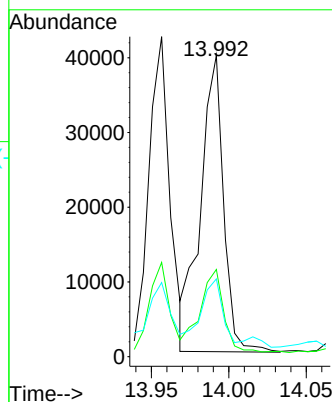
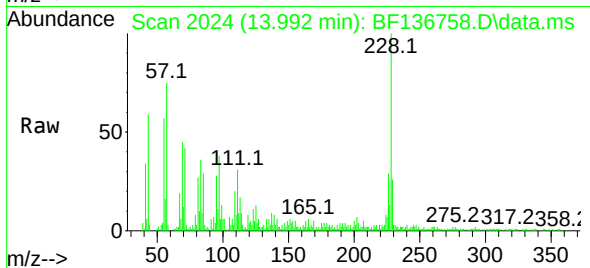
Tgt Ion:228	Resp:	41118
Ion Ratio	Lower	Upper
228	100	
226	28.9	24.7 37.1
229	25.8	15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#86

Perylene-d12

Concen: 20.000 ng

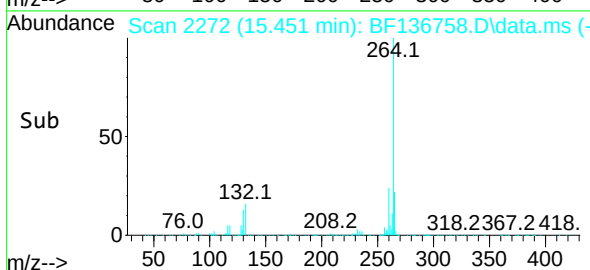
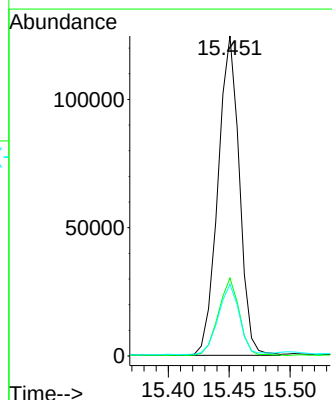
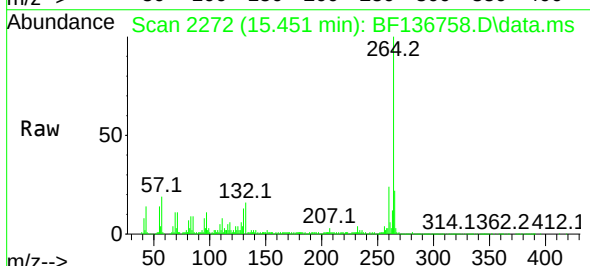
RT: 15.451 min Scan# 2272

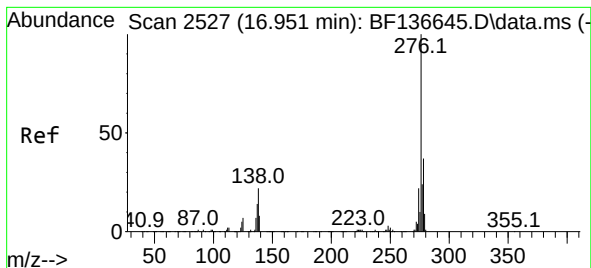
Delta R.T. 0.006 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Tgt Ion:264	Resp:	152440
Ion Ratio	Lower	Upper
264	100	
260	24.3	18.3 27.5
265	22.4	17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.102 ng

RT: 16.945 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE

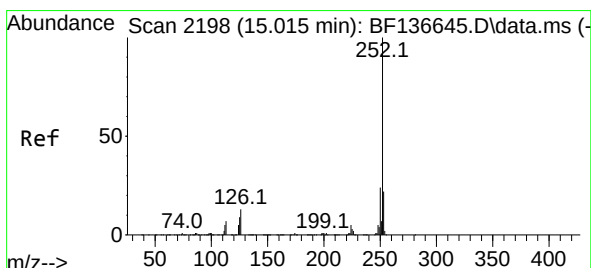
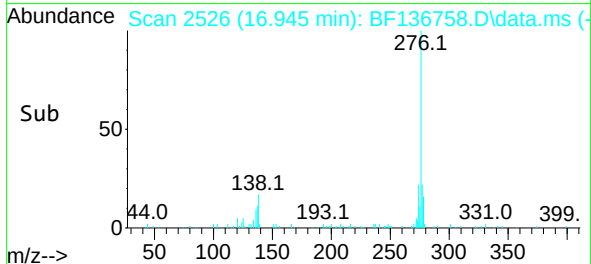
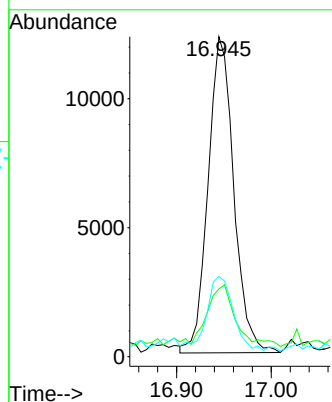
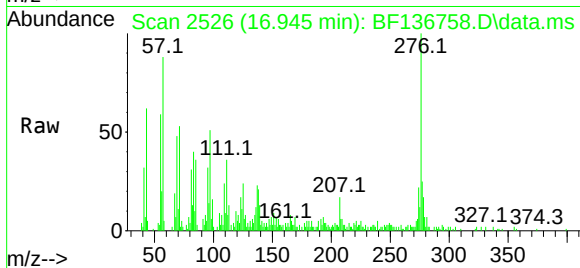
Tgt Ion:	276	Resp:	23134
Ion Ratio	Lower	Upper	
276	100		
138	21.2	18.7	28.1
277	23.3	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#88

Benzo(b)fluoranthene

Concen: 4.857 ng m

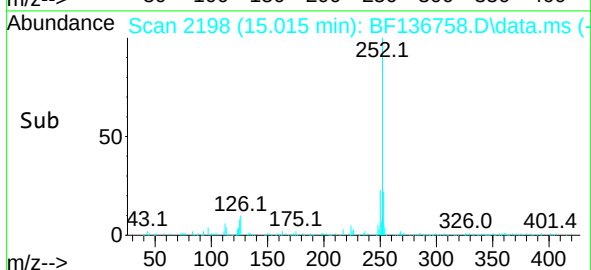
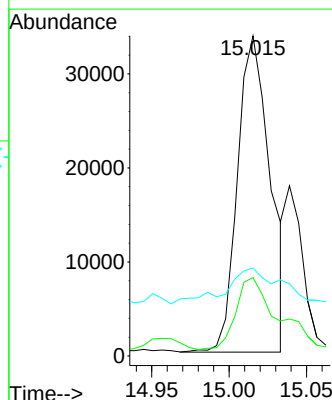
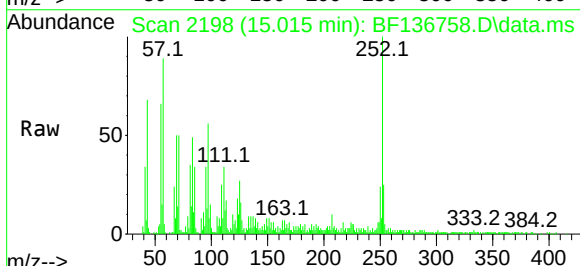
RT: 15.015 min Scan# 2198

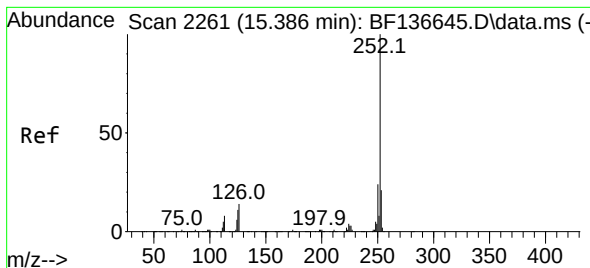
Delta R.T. 0.000 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Tgt Ion:	252	Resp:	49455
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.4	26.0
125	27.5	7.4	11.2





#90

Benzo(a)pyrene

Concen: 3.838 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Instrument :

BNA_F

ClientSampleId :

RT-SB-06-12-13RE

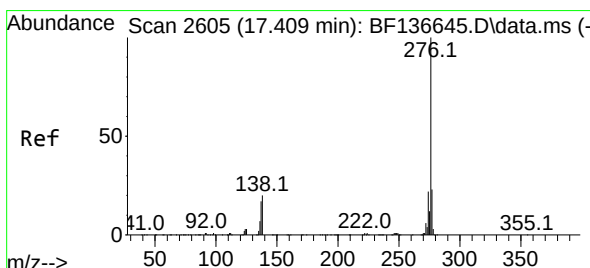
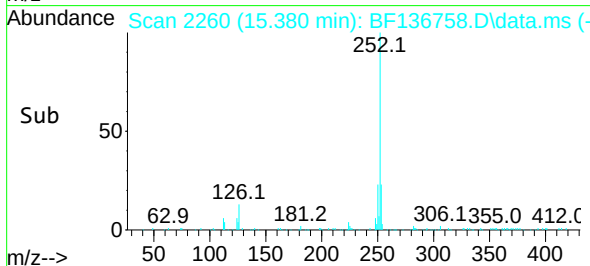
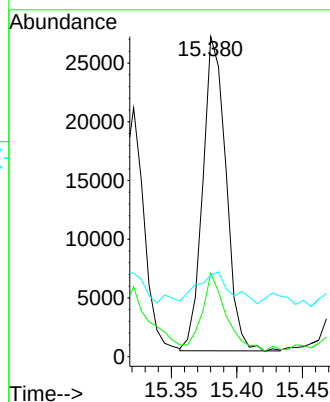
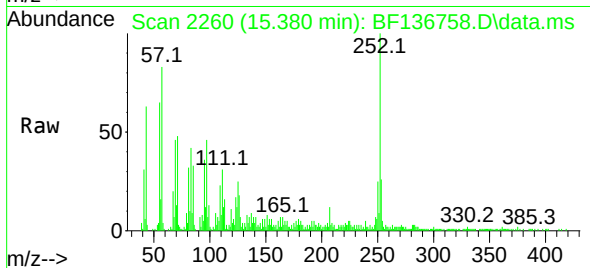
Tgt Ion:	252	Resp:	3298
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.0	25.6
125	25.5	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/28/2023

Supervised By :mohammad ahmed 12/28/2023



#92

Benzo(g,h,i)perylene

Concen: 2.402 ng

RT: 17.403 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF136758.D

Acq: 27 Dec 2023 15:04

Tgt Ion:	276	Resp:	22210
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.3	27.5
138	22.7	15.6	23.4

