

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136557.D
 Acq On : 14 Dec 2023 01:32
 Operator : CG\JU
 Sample : 05767-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-E1-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 14 03:51:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	72097	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	255343	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	112764	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	177560	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	168253	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	141567	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	271065	55.525	ng	0.00
7) Phenol-d6	6.434	99	335154	55.025	ng	-0.01
23) Nitrobenzene-d5	7.351	82	201784	42.721	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	62579	45.008	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	381652	46.182	ng	-0.02
79) Terphenyl-d14	12.916	244	361787	28.341	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	73582	7.540	ng	98
72) Anthracene	11.392	178	19736	2.008	ng	96
75) Fluoranthene	12.533	202	134064	13.108	ng	98
78) Pyrene	12.763	202	124771	7.572	ng	97
81) Benzo(a)anthracene	13.963	228	77822	6.640	ng	100
83) Chrysene	13.998	228	69733	6.048	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	30132	3.064	ng	# 94
88) Benzo(b)fluoranthene	15.015	252	86849m	8.973	ng	
89) Benzo(k)fluoranthene	15.045	252	31152m	3.415	ng	
90) Benzo(a)pyrene	15.386	252	57643	7.211	ng	98
92) Benzo(g,h,i)perylene	17.398	276	30672	3.709	ng	98

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

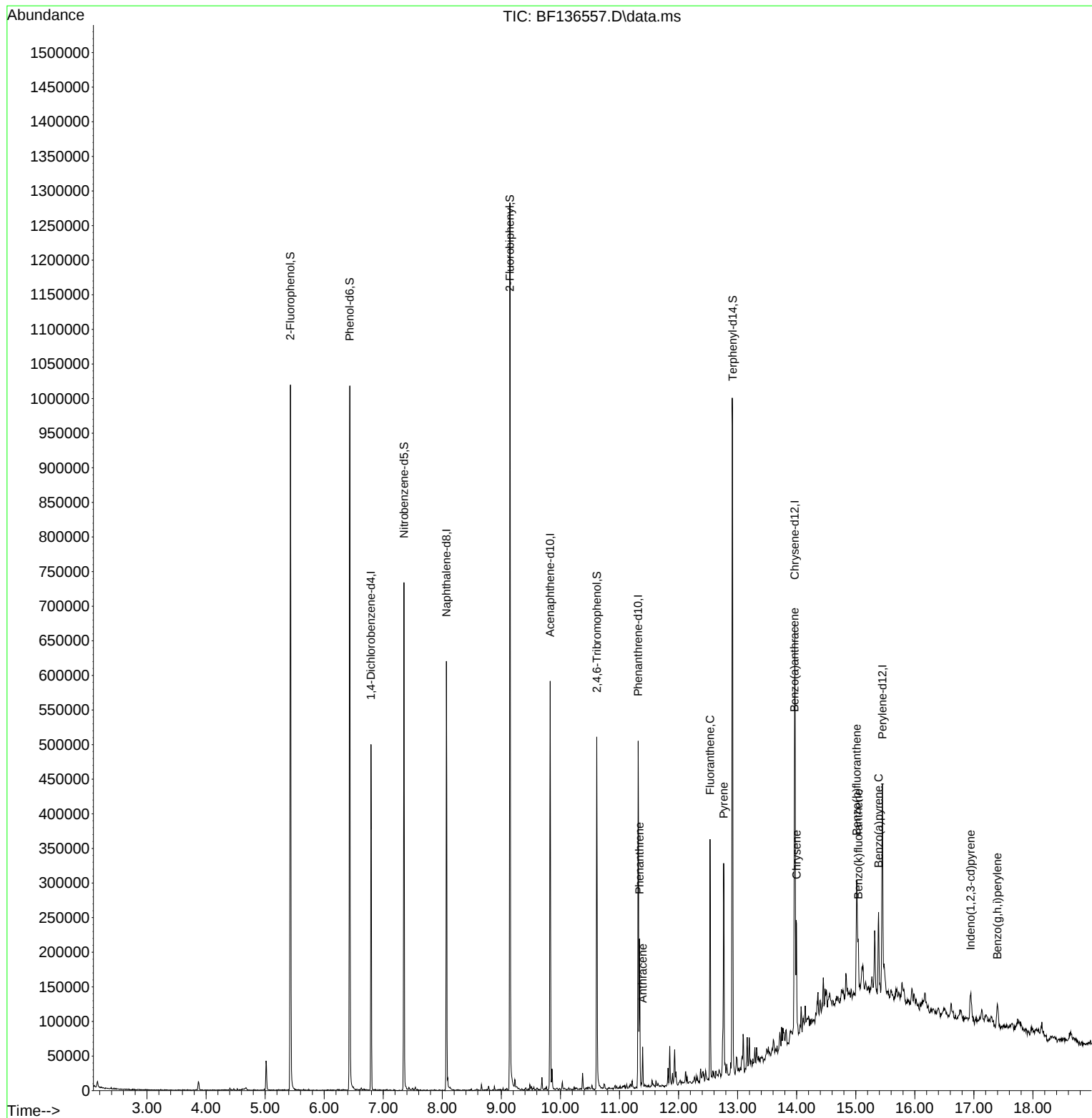
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
Data File : BF136557.D
Acq On : 14 Dec 2023 01:32
Operator : CG\JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

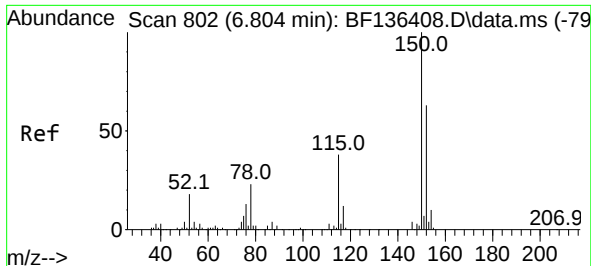
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

Quant Time: Dec 14 03:51:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration

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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

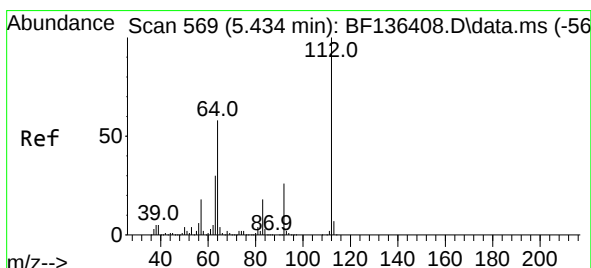
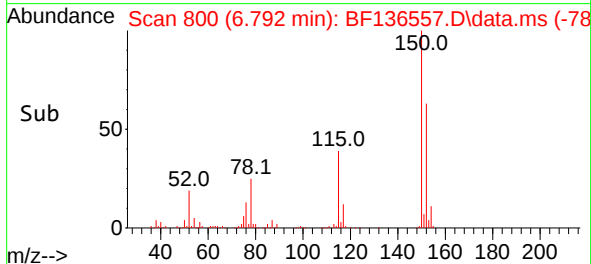
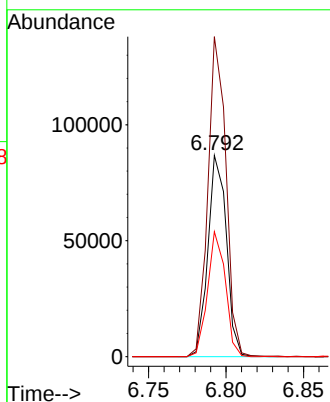
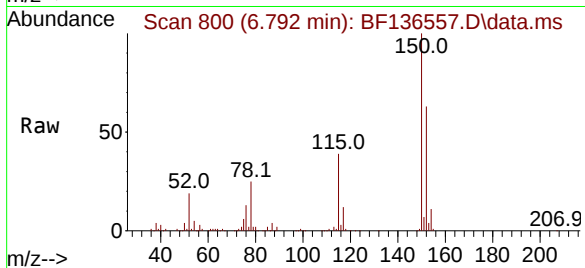
SP-E1-COMP

Tgt Ion:152 Resp: 72097
Ion Ratio Lower Upper
152 100
150 158.9 126.4 189.6
115 62.1 48.2 72.4

Manual Integrations

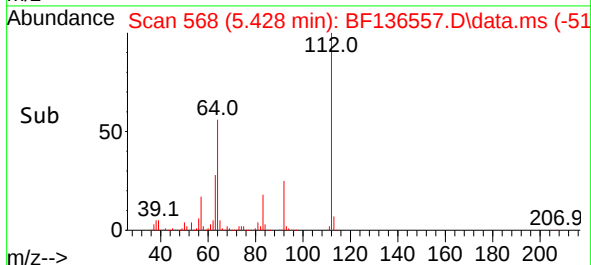
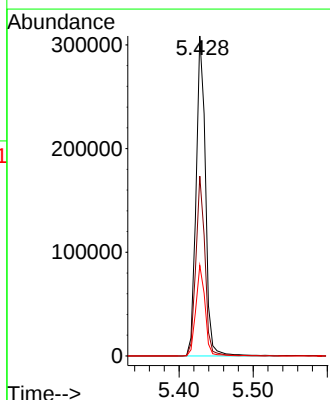
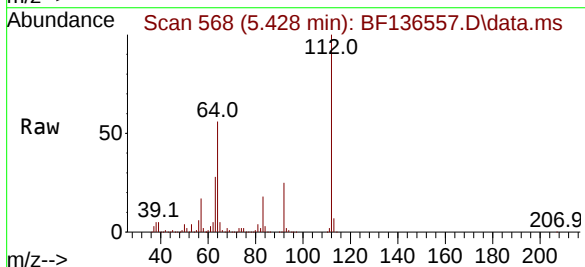
APPROVED

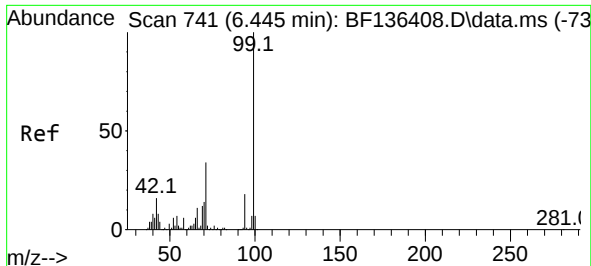
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#5
2-Fluorophenol
Concen: 55.525 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

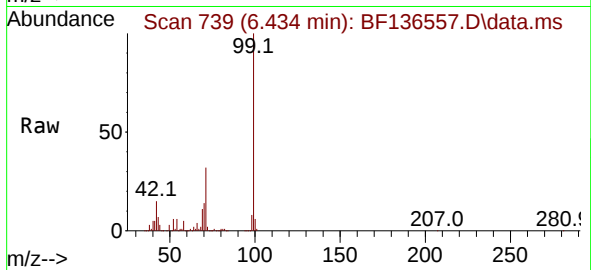
Tgt Ion:112 Resp: 271065
Ion Ratio Lower Upper
112 100
64 56.2 46.5 69.7
63 28.3 23.9 35.9





#7
Phenol-d6
Concen: 55.025 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

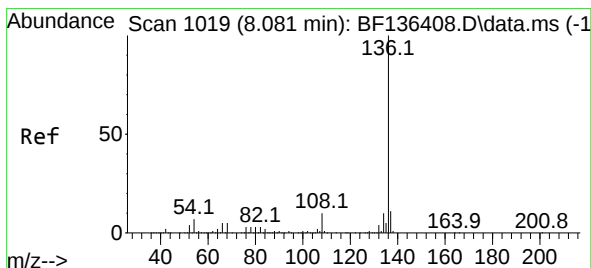
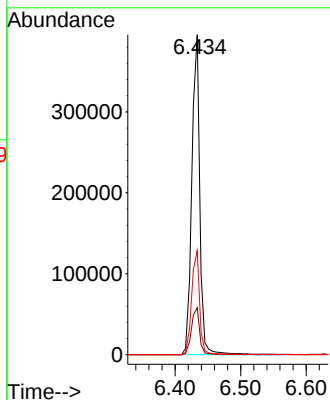
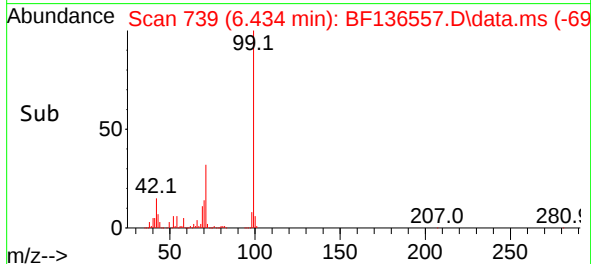
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP



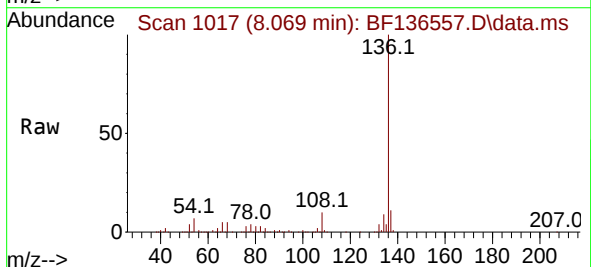
Tgt Ion: 99 Resp: 335154
Ion Ratio Lower Upper
99 100
42 14.7 12.8 19.2
71 32.5 27.0 40.4

Manual Integrations
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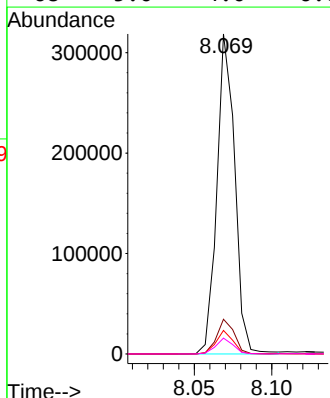
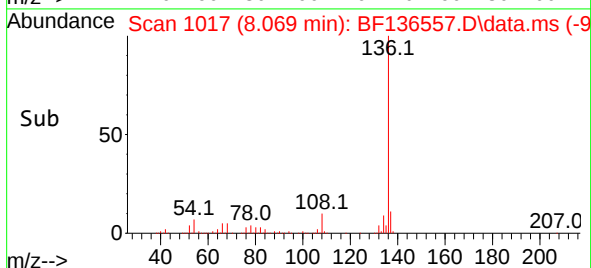
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

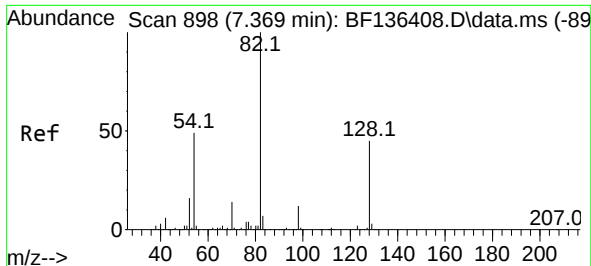


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32



Tgt Ion:136 Resp: 255343
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.4 5.7 8.5
68 5.0 4.0 6.0





#23

Nitrobenzene-d5

Concen: 42.721 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

Tgt Ion: 82 Resp: 201784

Ion Ratio Lower Upper

82 100

128 46.3 36.3 54.5

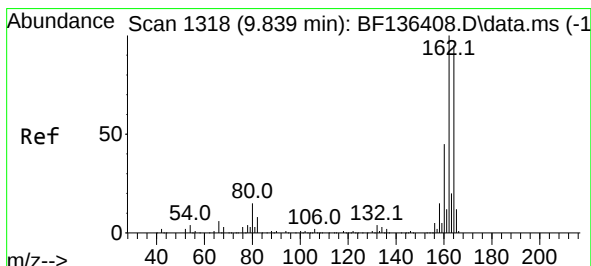
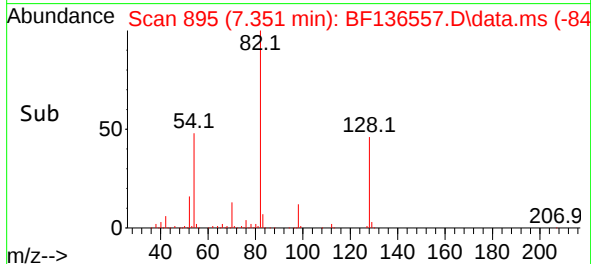
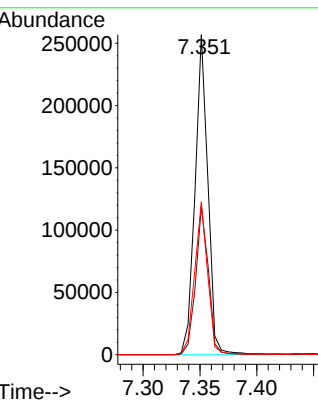
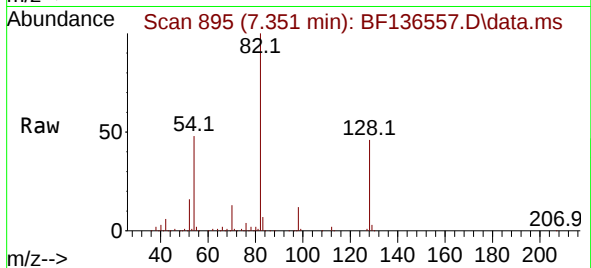
54 47.8 39.0 58.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

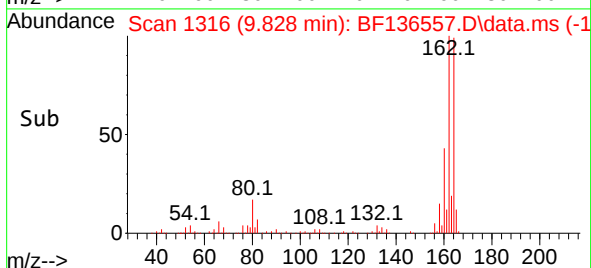
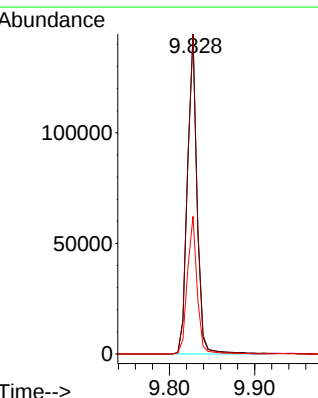
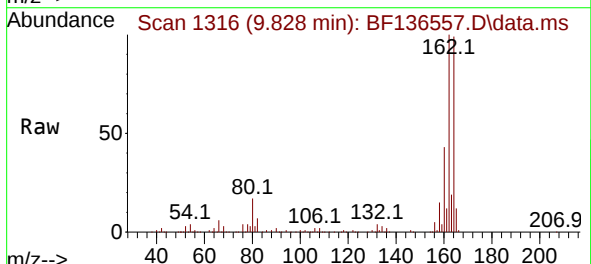
Tgt Ion:164 Resp: 112764

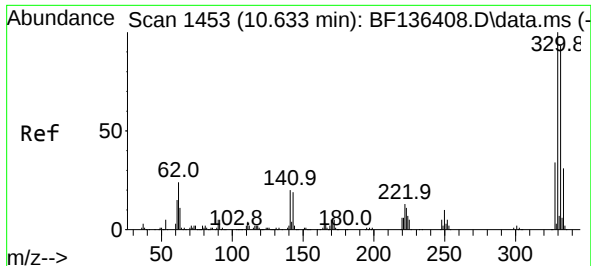
Ion Ratio Lower Upper

164 100

162 100.8 84.4 126.6

160 43.3 37.6 56.4





#42
2,4,6-Tribromophenol
Concen: 45.008 ng
RT: 10.616 min Scan# 1453
Delta R.T. -0.018 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

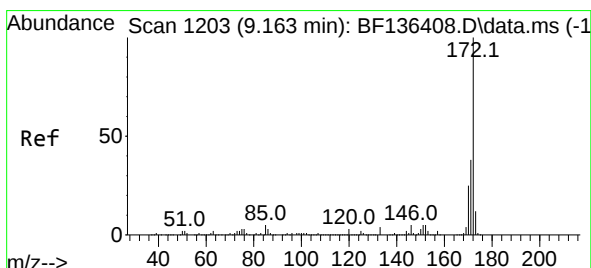
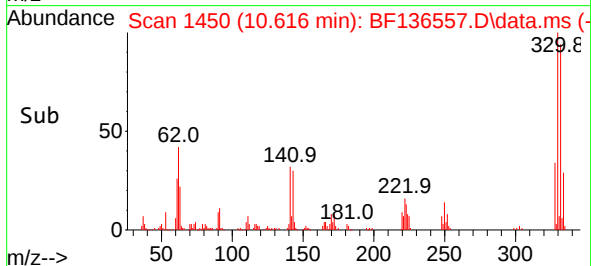
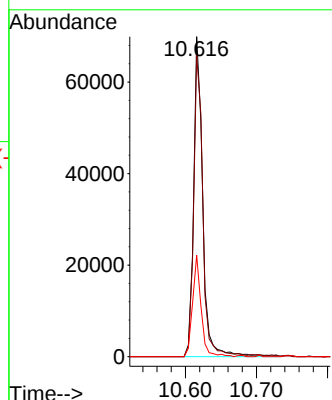
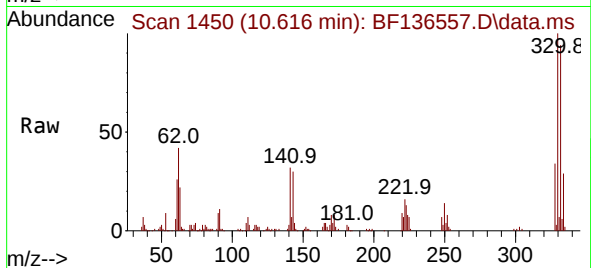
SP-E1-COMP

Tgt Ion:330 Resp: 62579
Ion Ratio Lower Upper
330 100
332 94.6 76.4 114.6
141 29.7 23.4 35.2

Manual Integrations

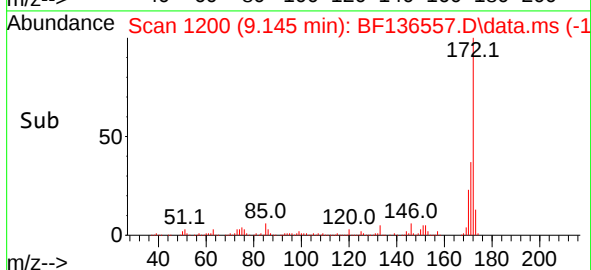
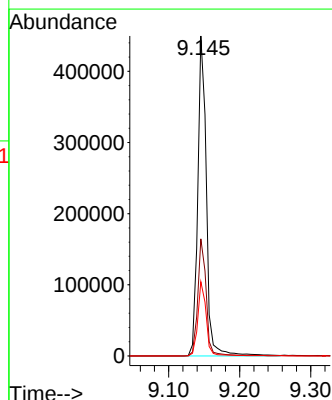
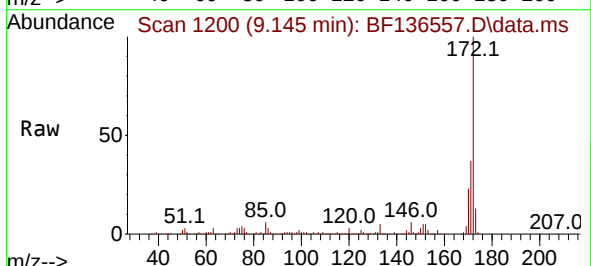
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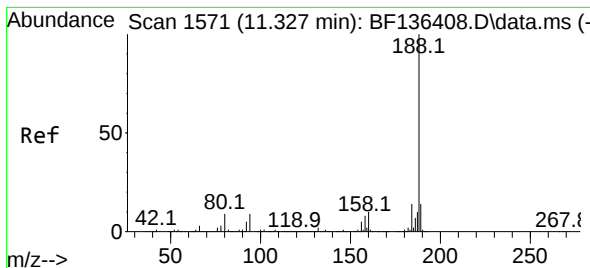
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#45
2-Fluorobiphenyl
Concen: 46.182 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:172 Resp: 381652
Ion Ratio Lower Upper
172 100
171 36.6 30.5 45.7
170 23.2 19.9 29.9





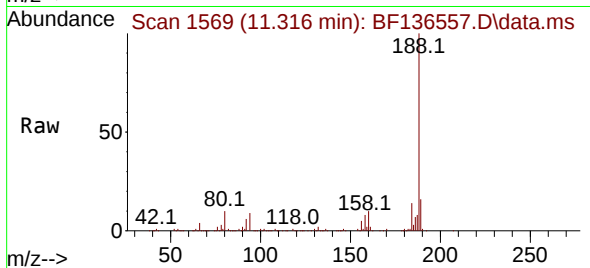
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP

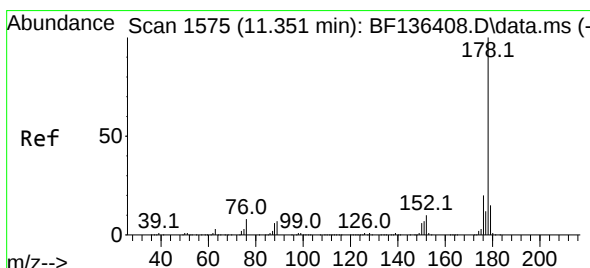
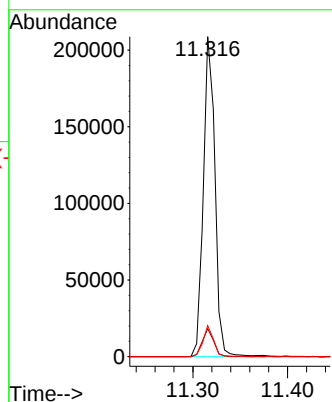
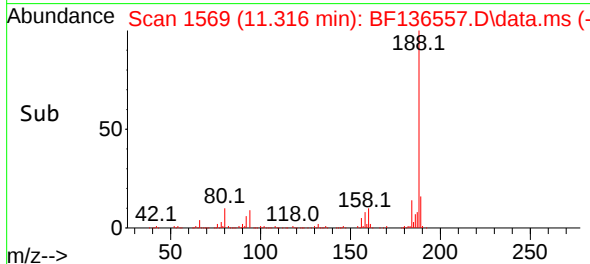


Tgt Ion:188 Resp: 177560
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.7 7.2 10.8

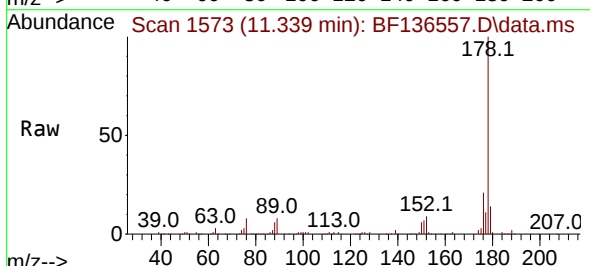
Manual Integrations

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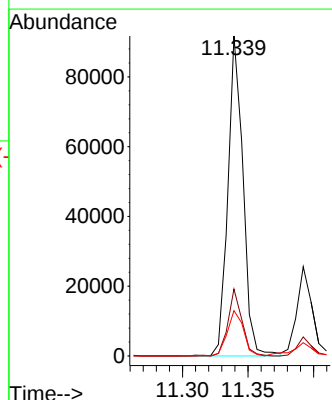
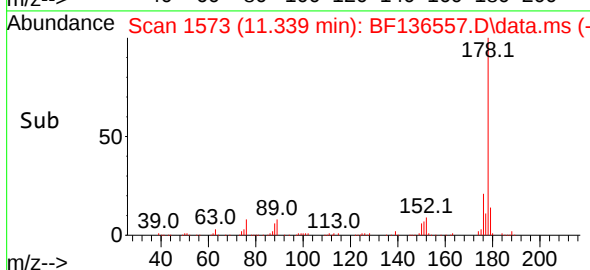
Reviewed By :Yogesh Patel 12/14/2023
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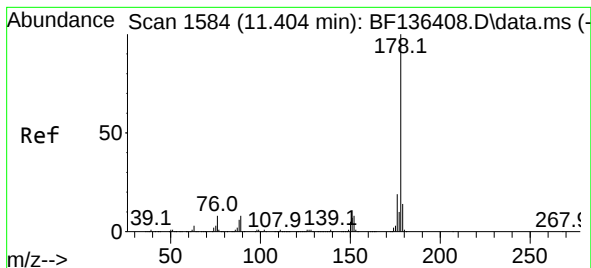


#71
Phenanthrene
Concen: 7.540 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32



Tgt Ion:178 Resp: 73582
Ion Ratio Lower Upper
178 100
176 20.9 15.9 23.9
179 14.2 11.8 17.6





#72

Anthracene

Concen: 2.008 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

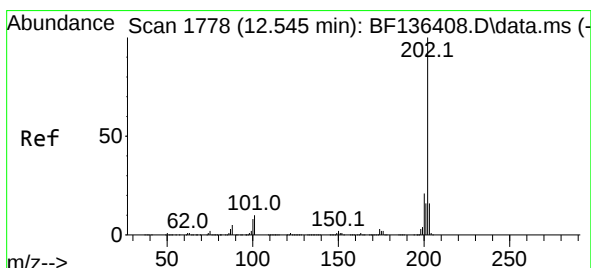
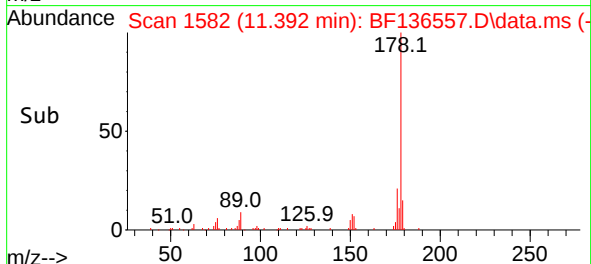
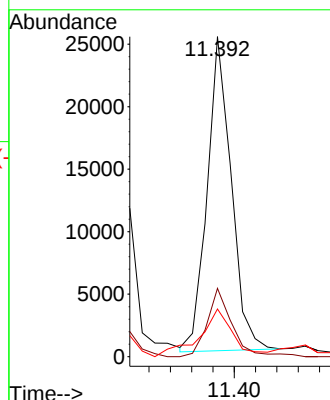
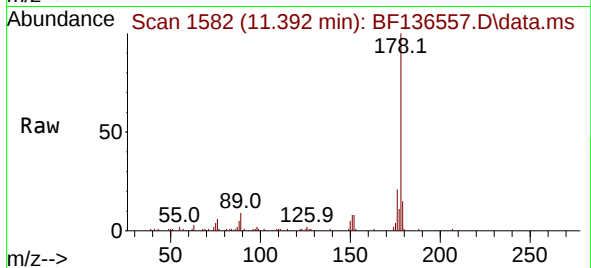
SP-E1-COMP

Tgt Ion:178	Resp:	19730
Ion Ratio	Lower	Upper
178	100	
176	21.3	15.3 22.9
179	14.9	11.4 17.0

Manual Integrations

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Supervised By :mohammad ahmed 12/14/2023



#75

Fluoranthene

Concen: 13.108 ng

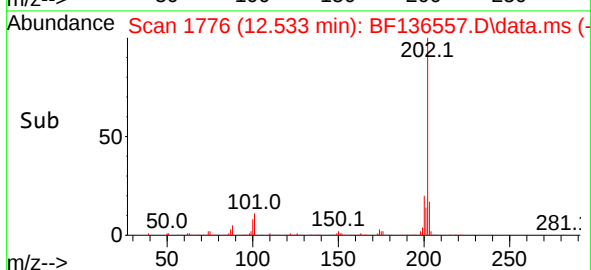
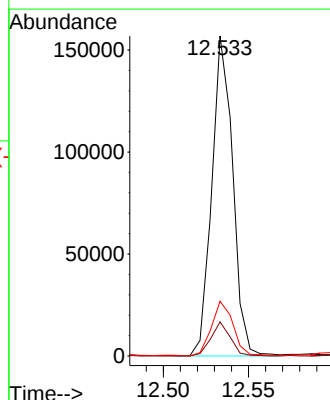
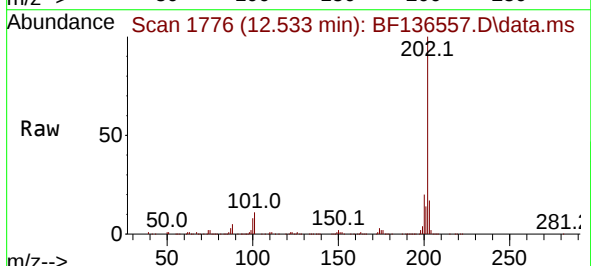
RT: 12.533 min Scan# 1776

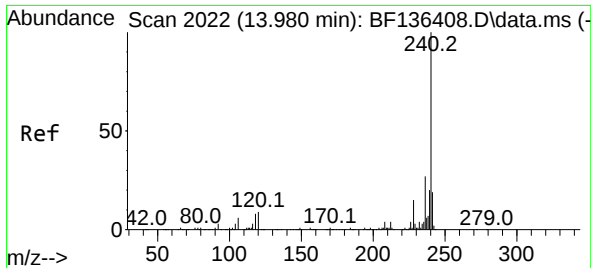
Delta R.T. -0.012 min

Lab File: BF136557.D

Acq: 14 Dec 2023 01:32

Tgt Ion:202	Resp:	134064
Ion Ratio	Lower	Upper
202	100	
101	10.6	0.0 29.9
203	17.1	0.0 36.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

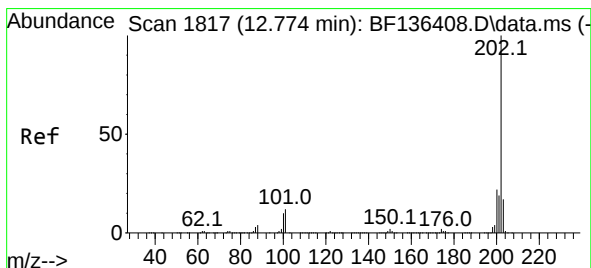
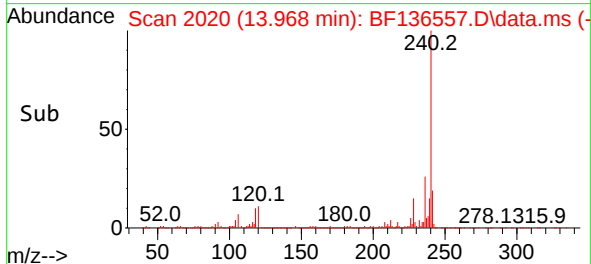
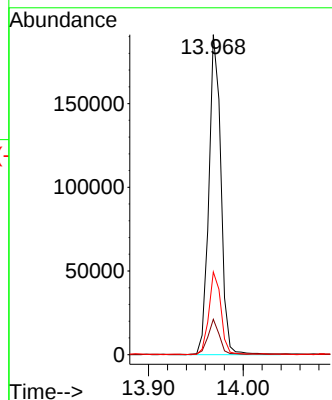
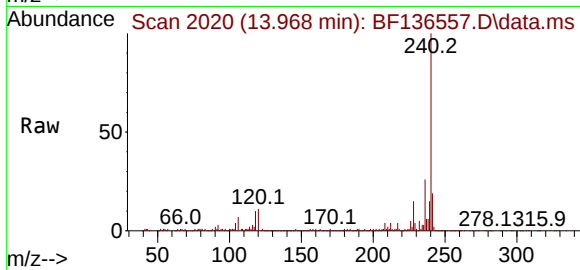
SP-E1-COMP

Tgt Ion:240 Resp: 16825
Ion Ratio Lower Upper
240 100
120 11.1 7.3 10.9
236 25.8 21.3 31.9

Manual Integrations

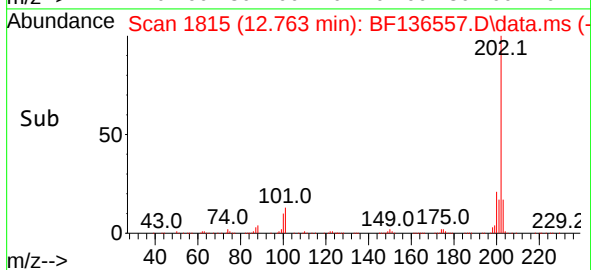
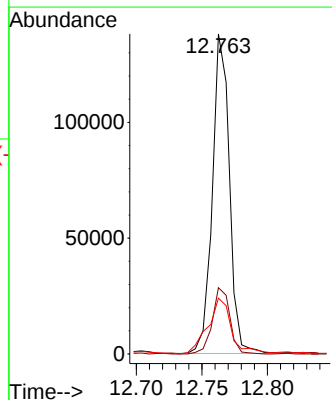
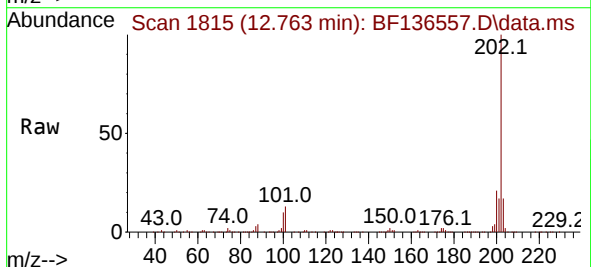
APPROVED

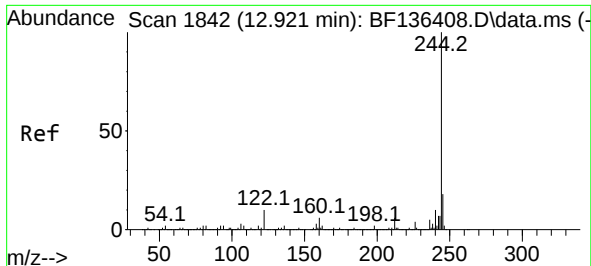
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#78
Pyrene
Concen: 7.572 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:202 Resp: 124771
Ion Ratio Lower Upper
202 100
200 20.7 18.0 27.0
203 17.5 13.5 20.3





#79
 Terphenyl-d14
 Concen: 28.341 ng
 RT: 12.916 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF136557.D
 Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

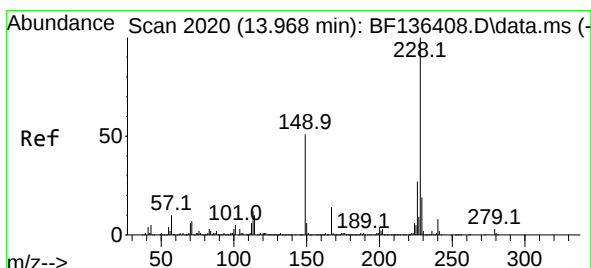
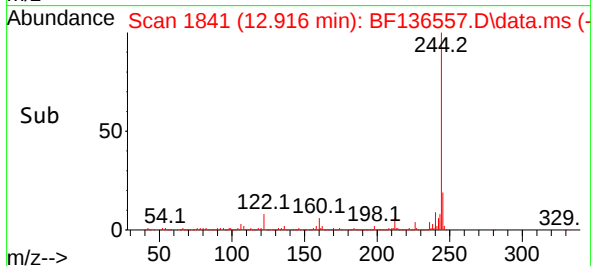
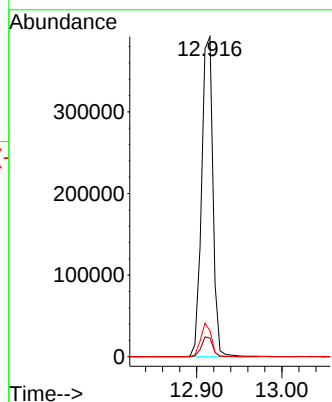
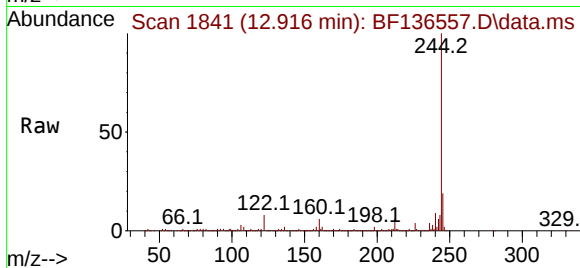
SP-E1-COMP

Tgt Ion:244 Resp: 36178
 Ion Ratio Lower Upper
 244 100
 212 5.8 5.0 7.4
 122 8.2 8.3 12.5

Manual Integrations

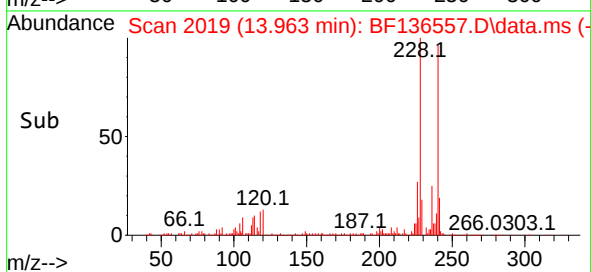
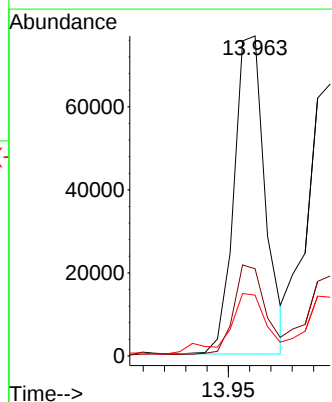
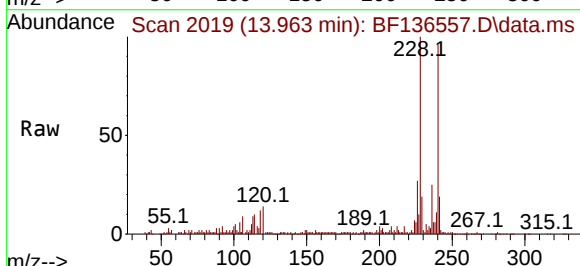
APPROVED

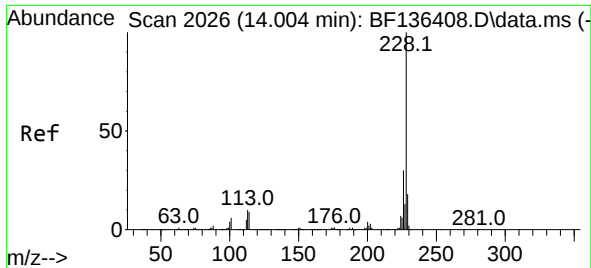
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#81
 Benzo(a)anthracene
 Concen: 6.640 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF136557.D
 Acq: 14 Dec 2023 01:32

Tgt Ion:228 Resp: 77822
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.8 32.8
 229 19.0 15.0 22.4





#83
Chrysene
Concen: 6.048 ng
RT: 13.998 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

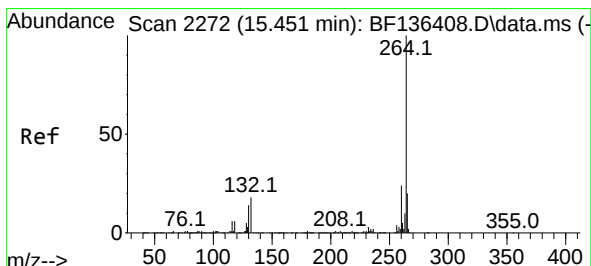
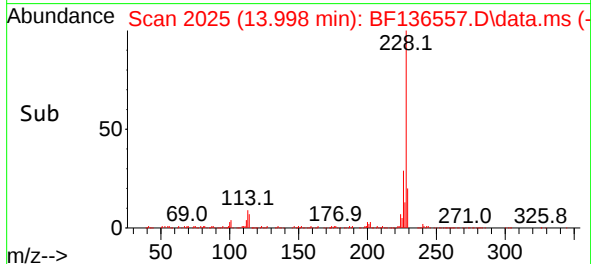
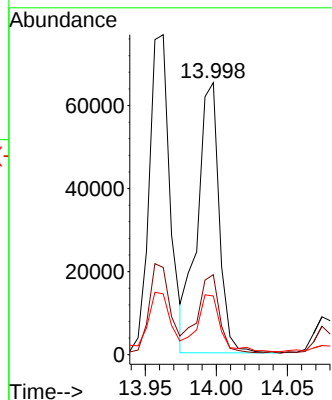
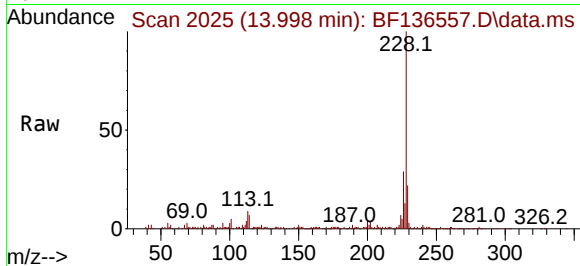
SP-E1-COMP

Tgt Ion:228 Resp: 6973
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 21.6 14.8 22.2

Manual Integrations

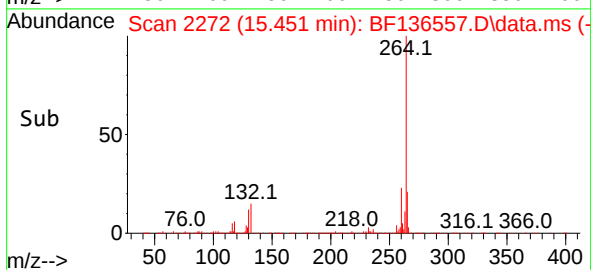
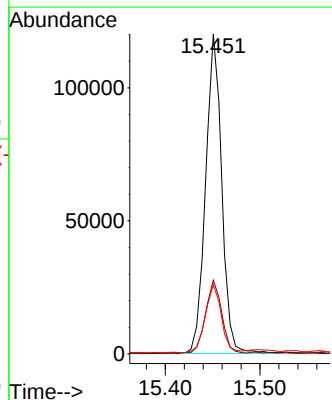
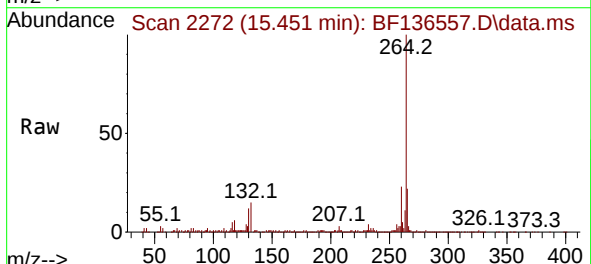
APPROVED

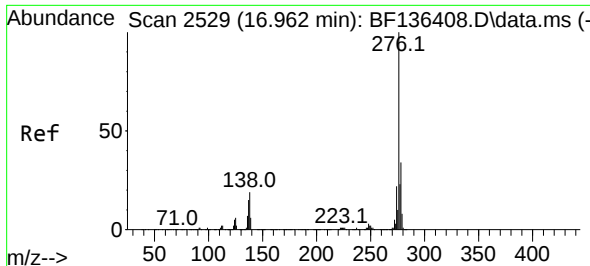
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:264 Resp: 141567
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 21.6 15.9 23.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.064 ng
RT: 16.945 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

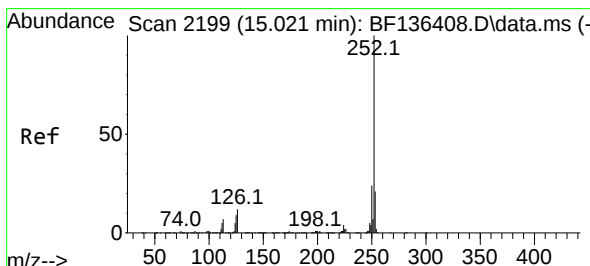
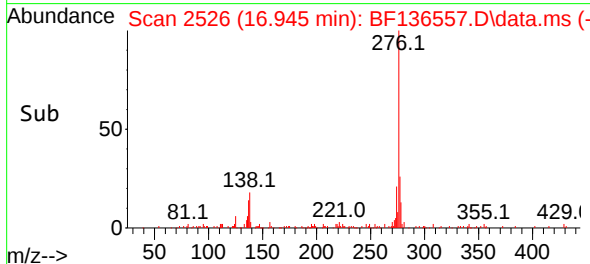
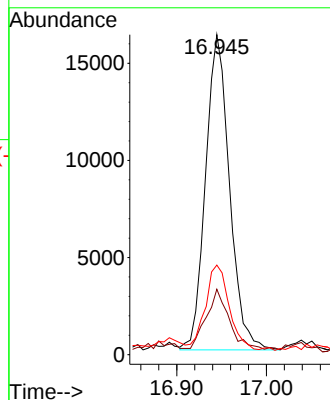
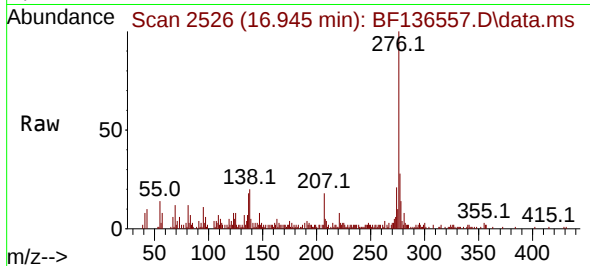
ClientSampleId :

SP-E1-COMP

Tgt Ion:276 Resp: 3013
Ion Ratio Lower Upper
276 100
138 18.7 19.0 28.4
277 26.4 20.0 30.0

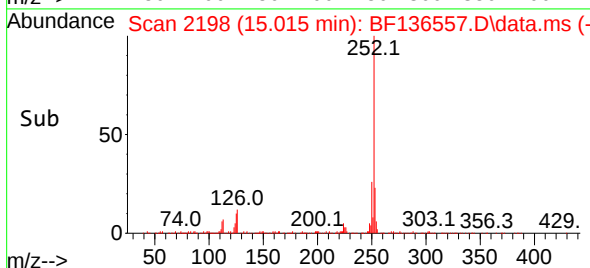
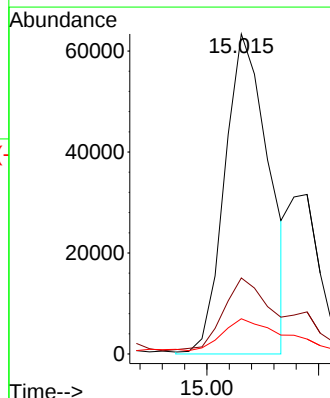
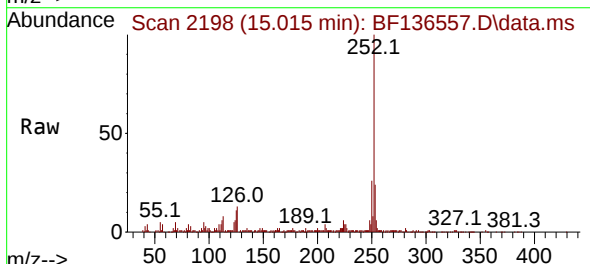
Manual Integrations
APPROVED

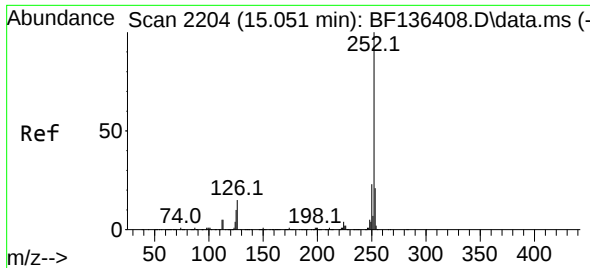
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#88
Benzo(b)fluoranthene
Concen: 8.973 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:252 Resp: 86849
Ion Ratio Lower Upper
252 100
253 23.8 16.9 25.3
125 11.0 7.4 11.2





#89
Benzo(k)fluoranthene
Concen: 3.415 ng m
RT: 15.045 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

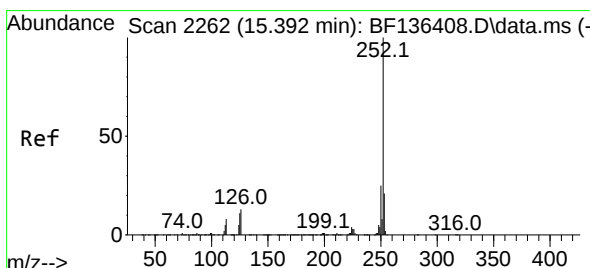
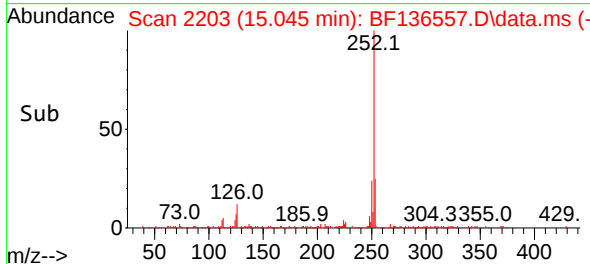
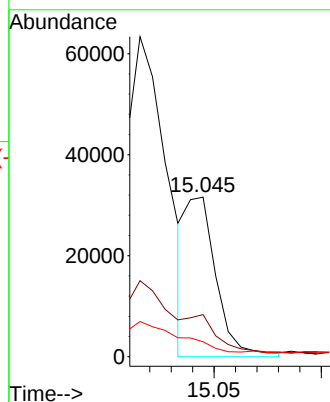
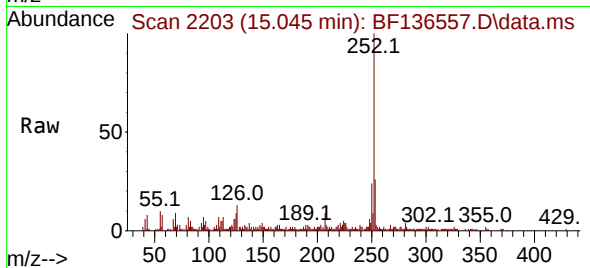
SP-E1-COMP

Tgt Ion:252 Resp: 31152
Ion Ratio Lower Upper
252 100
253 26.4 16.9 25.3
125 9.4 7.5 11.3

Manual Integrations

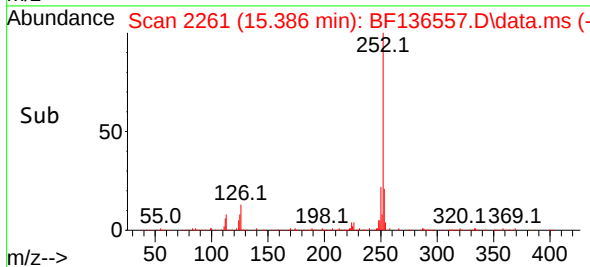
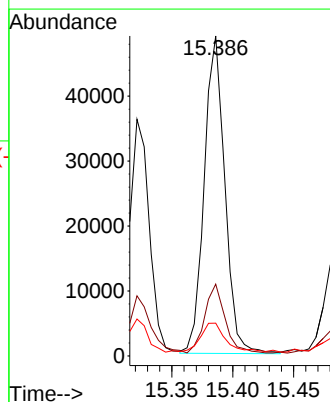
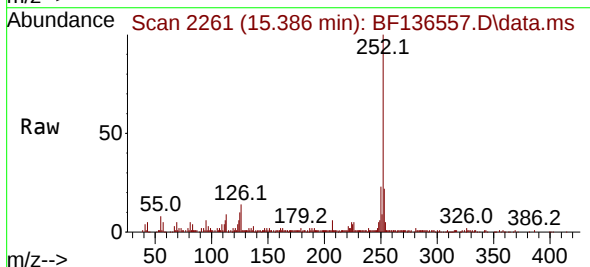
APPROVED

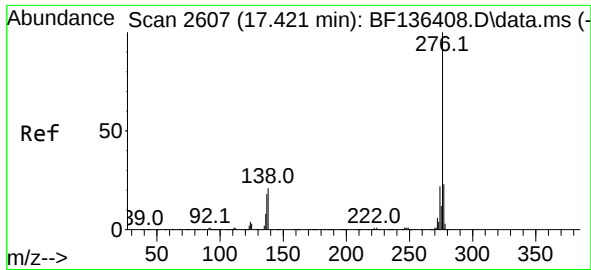
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#90
Benzo(a)pyrene
Concen: 7.211 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF136557.D
Acq: 14 Dec 2023 01:32

Tgt Ion:252 Resp: 57643
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.4
125 10.2 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 3.709 ng

RT: 17.398 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF136557.D

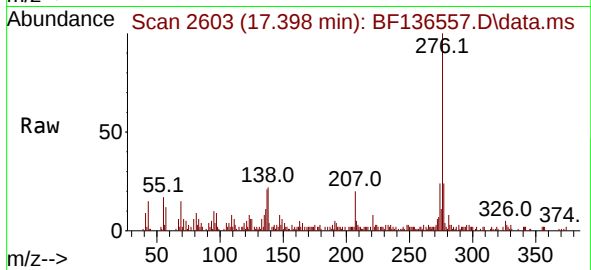
Acq: 14 Dec 2023 01:32

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMP



Tgt Ion:	276	Resp:	30672
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.7	28.1
138	21.8	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023

