

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
 Data File : BF136623.D
 Acq On : 18 Dec 2023 19:42
 Operator : CG\JU
 Sample : 05767-01RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-E1-COMPRE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/19/2023

Quant Time: Dec 19 01:06:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 00:56:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	63284	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	207333	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	95211	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	195498	20.000	ng	0.00
76) Chrysene-d12	13.968	240	192888	20.000	ng	0.00
86) Perylene-d12	15.451	264	153904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	240378	56.096	ng	0.00
7) Phenol-d6	6.428	99	279563	52.290	ng	-0.02
23) Nitrobenzene-d5	7.345	82	171655	44.758	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	64057	54.565	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	300450	43.058	ng	-0.01
79) Terphenyl-d14	12.910	244	433659	29.633	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	80115	7.456	ng	99
72) Anthracene	11.386	178	24458	2.260	ng	96
75) Fluoranthene	12.533	202	157445	13.982	ng	98
78) Pyrene	12.763	202	148391	7.855	ng	97
81) Benzo(a)anthracene	13.957	228	94234	7.014	ng	98
83) Chrysene	13.992	228	80700	6.105	ng	98
87) Indeno(1,2,3-cd)pyrene	16.956	276	34837	3.258	ng	98
88) Benzo(b)fluoranthene	15.015	252	98238m	9.336	ng	
89) Benzo(k)fluoranthene	15.039	252	34309m	3.460	ng	
90) Benzo(a)pyrene	15.386	252	64326	7.402	ng	# 90
92) Benzo(g,h,i)perylene	17.409	276	34605	3.849	ng	95

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

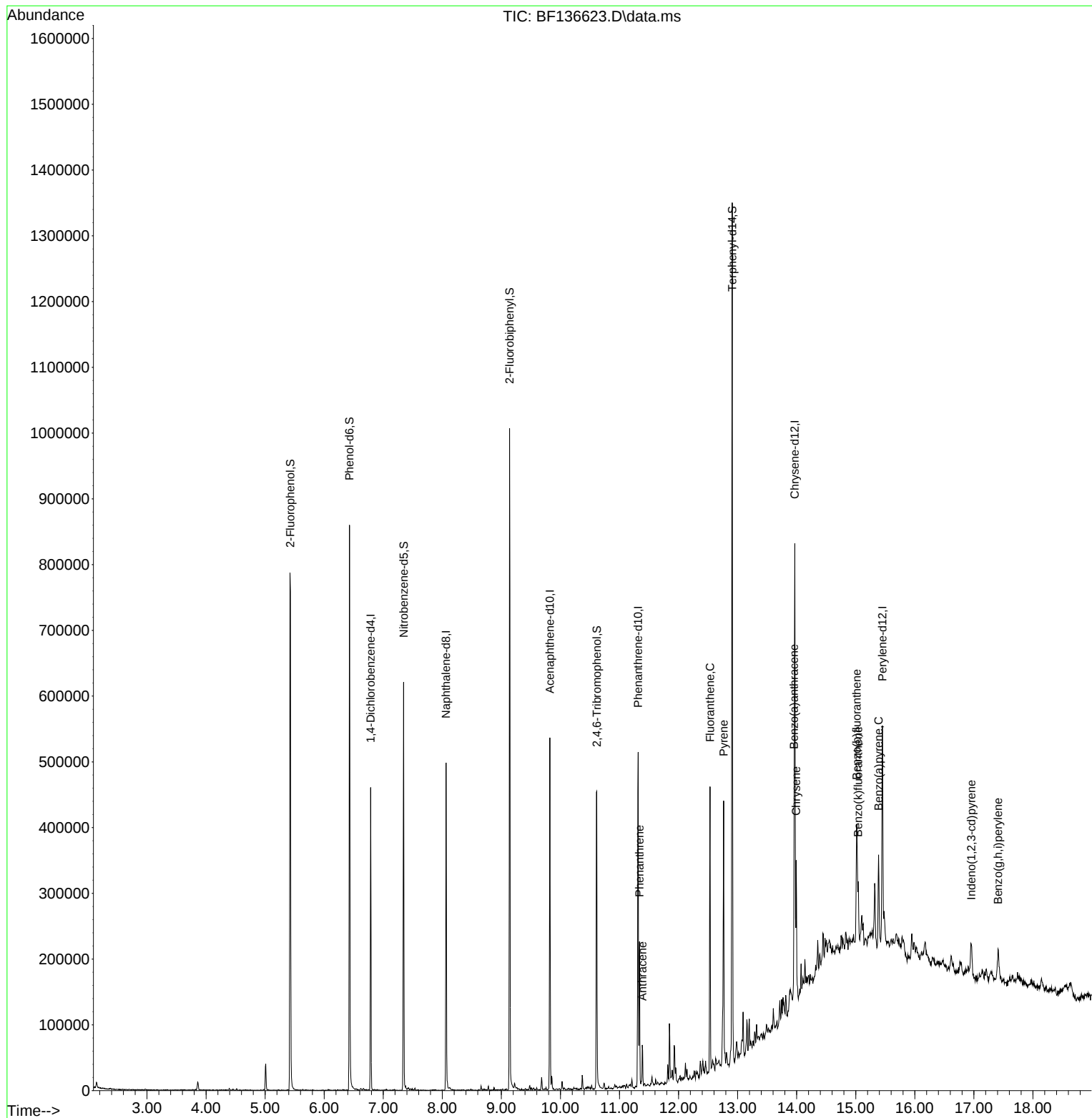
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
Data File : BF136623.D
Acq On : 18 Dec 2023 19:42
Operator : CG\JU
Sample : 05767-01RE
Misc :
ALS Vial : 18 Sample Multiplier: 1

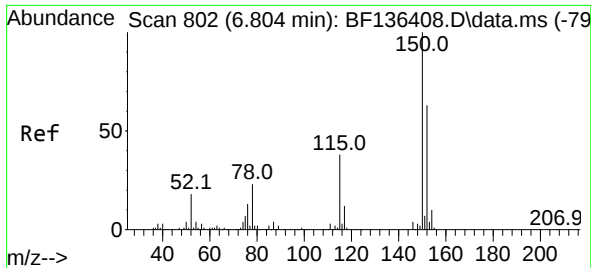
Instrument :
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SP-E1-COMP

Quant Time: Dec 19 01:06:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

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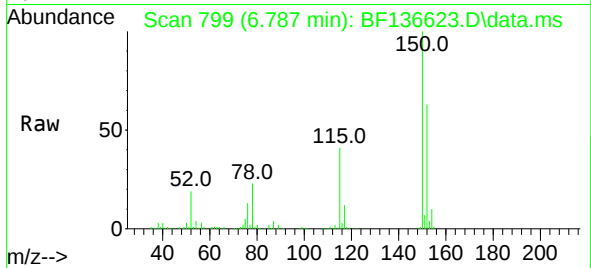
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

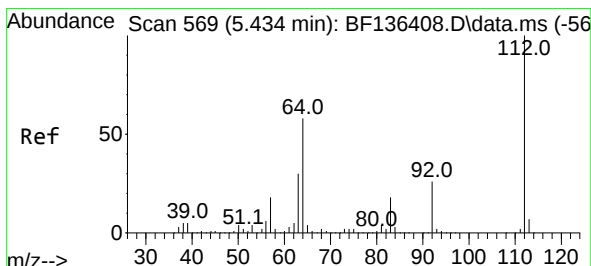
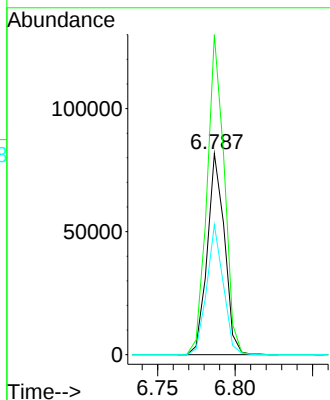
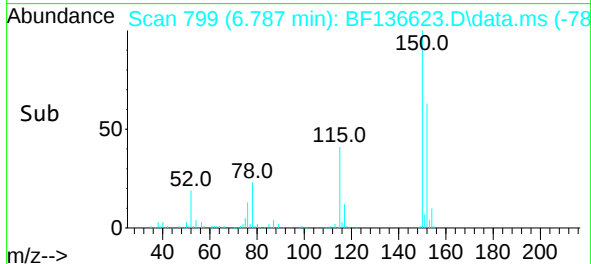
Instrument :
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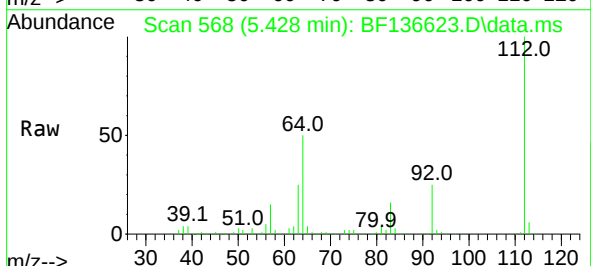
Tgt Ion:152 Resp: 63284
Ion Ratio Lower Upper
152 100
150 159.1 126.4 189.6
115 64.7 48.2 72.4

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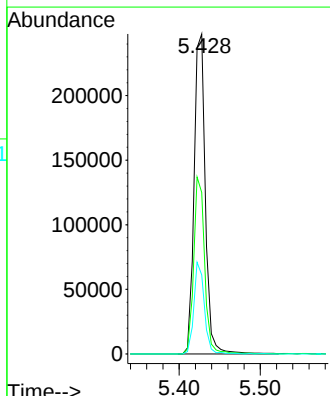
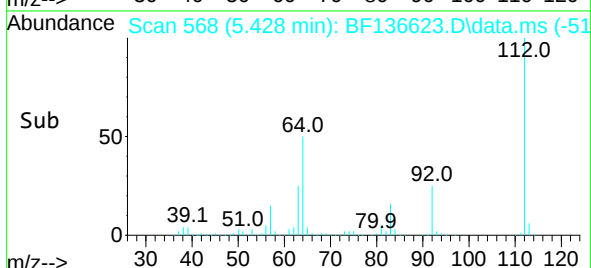
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Supervised By :mohammad ahmed 12/19/2023

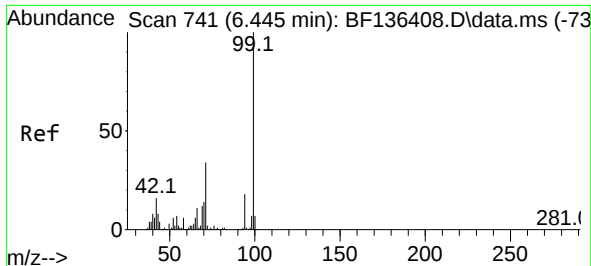


#5
2-Fluorophenol
Concen: 56.096 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42



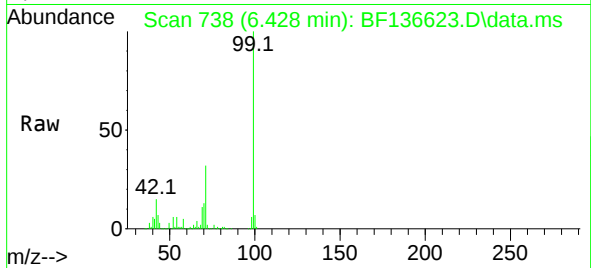
Tgt Ion:112 Resp: 240378
Ion Ratio Lower Upper
112 100
64 50.5 46.5 69.7
63 24.7 23.9 35.9





#7
Phenol-d6
Concen: 52.290 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

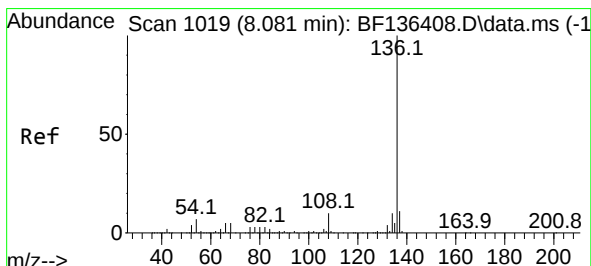
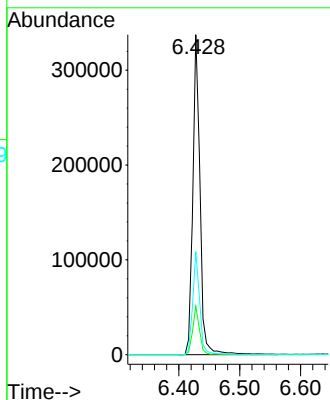
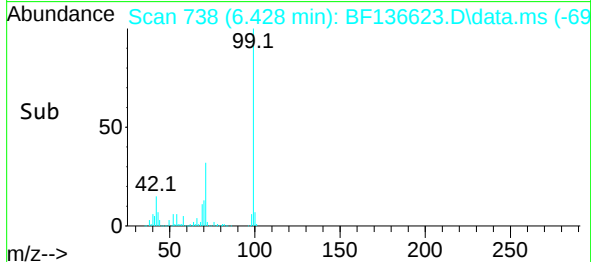
Instrument :
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ClientSampleId :
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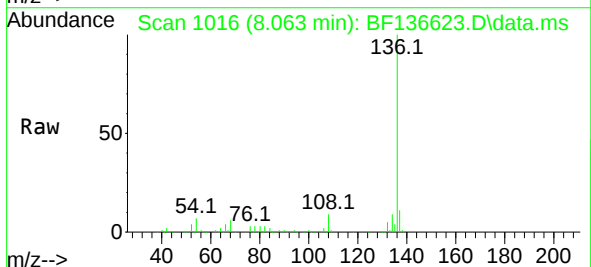
Tgt Ion: 99 Resp: 27956
Ion Ratio Lower Upper
99 100
42 15.2 12.8 19.2
71 32.3 27.0 40.4

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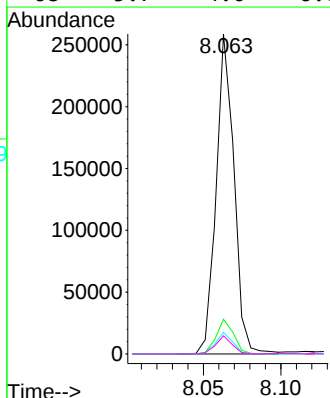
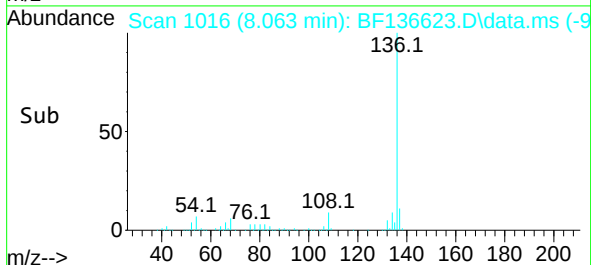
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023

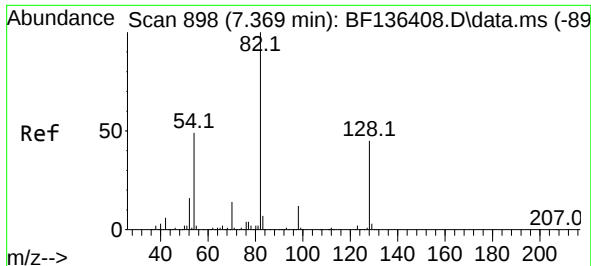


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42



Tgt Ion:136 Resp: 207333
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.7 5.7 8.5
68 5.7 4.0 6.0





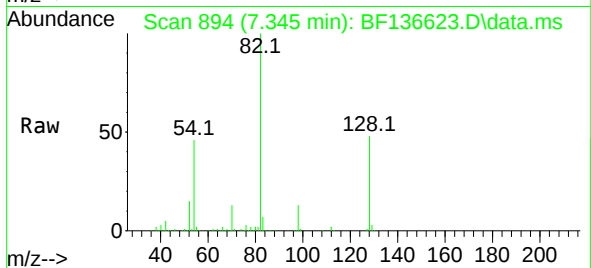
#23
Nitrobenzene-d5
Concen: 44.758 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Instrument :

BNA_F

ClientSampleId :

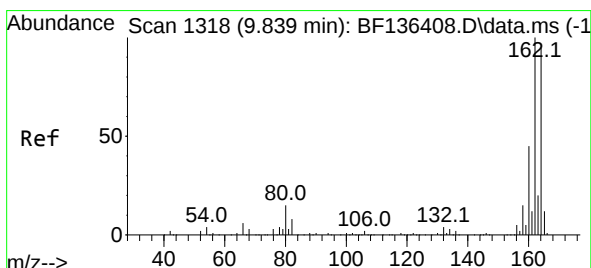
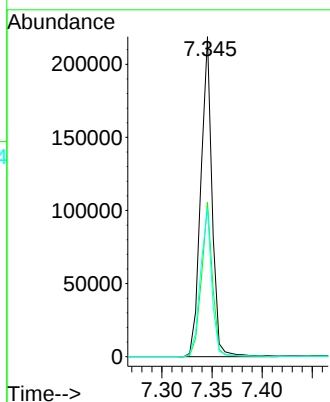
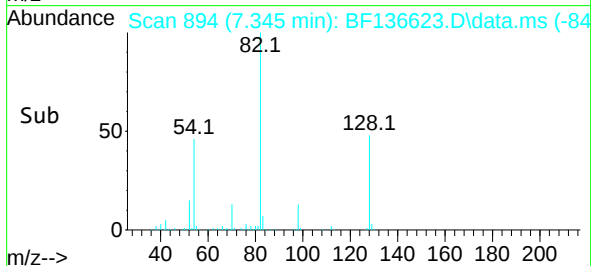
SP-E1-COMP



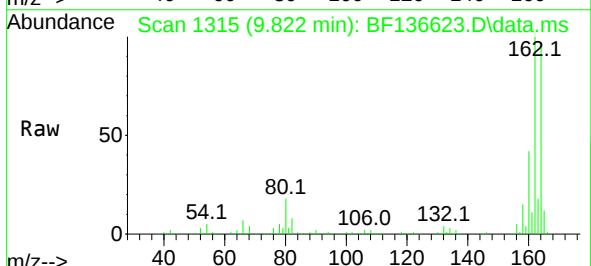
Tgt Ion: 82 Resp: 17165
Ion Ratio Lower Upper
82 100
128 48.3 36.3 54.5
54 46.2 39.0 58.6

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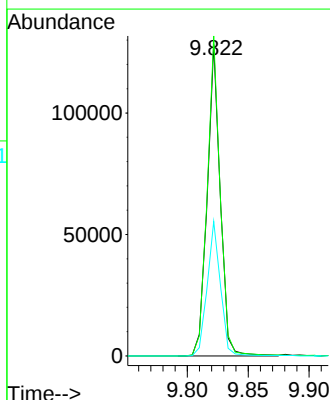
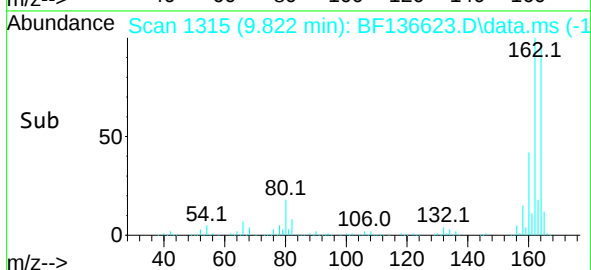
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Supervised By :mohammad ahmed 12/19/2023

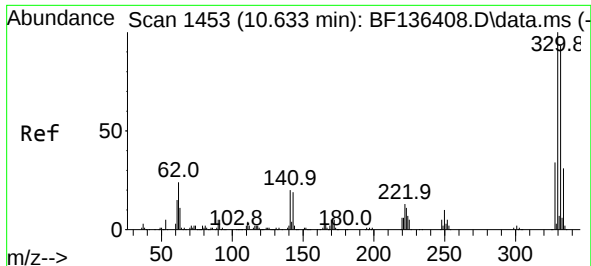


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42



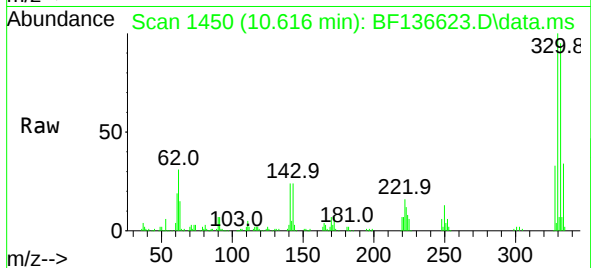
Tgt Ion:164 Resp: 95211
Ion Ratio Lower Upper
164 100
162 102.8 84.4 126.6
160 43.2 37.6 56.4





#42
2,4,6-Tribromophenol
Concen: 54.565 ng
RT: 10.616 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

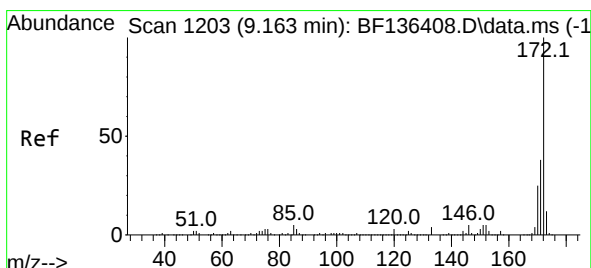
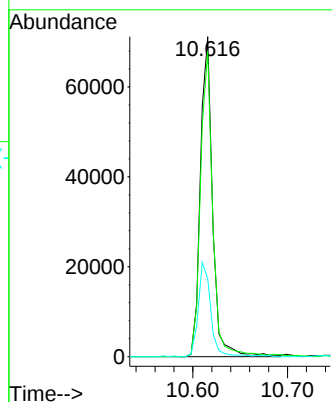
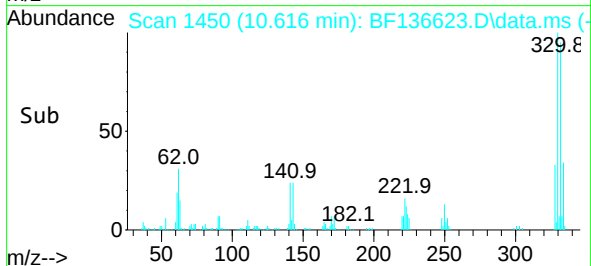
Instrument :
BNA_F
ClientSampleId :
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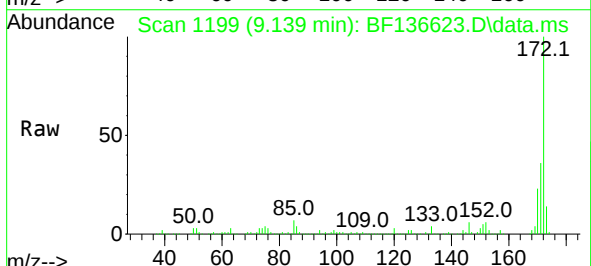
Tgt Ion: 330 Resp: 6405
Ion Ratio Lower Upper
330 100
332 95.5 76.4 114.6
141 29.9 23.4 35.2

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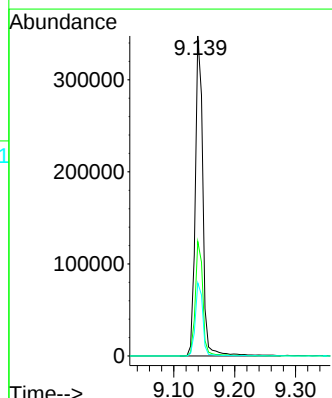
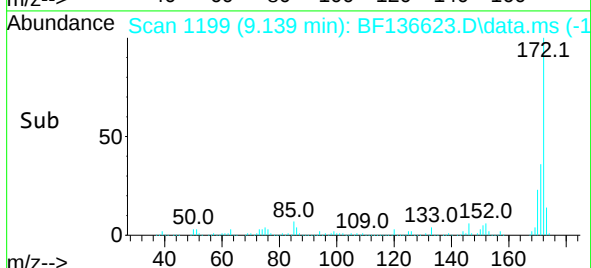
Reviewed By : Yogesh Patel 12/19/2023
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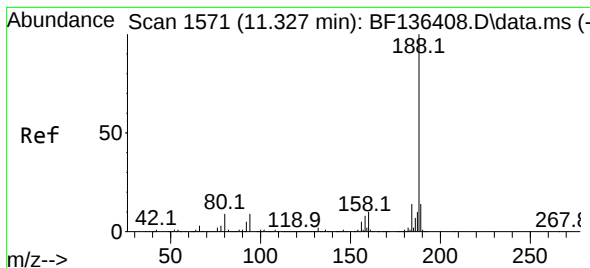


#45
2-Fluorobiphenyl
Concen: 43.058 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42



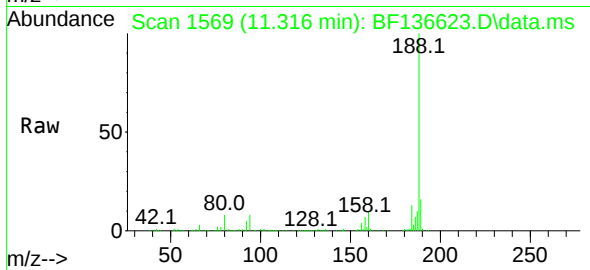
Tgt Ion: 172 Resp: 300450
Ion Ratio Lower Upper
172 100
171 35.8 30.5 45.7
170 22.9 19.9 29.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

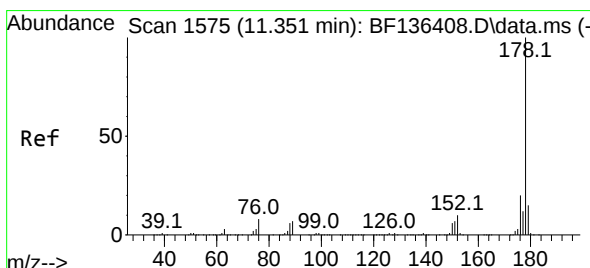
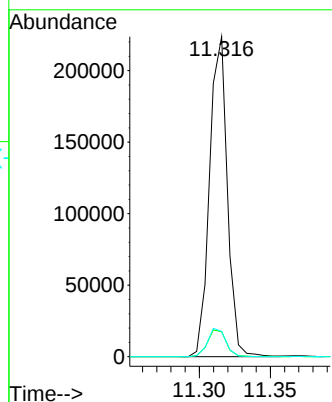
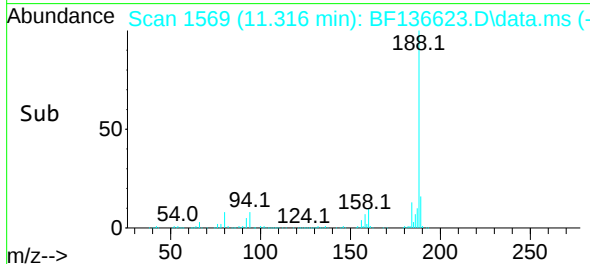
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP



Tgt Ion:188 Resp: 195498
Ion Ratio Lower Upper
188 100
94 7.8 7.2 10.8
80 7.9 7.2 10.8

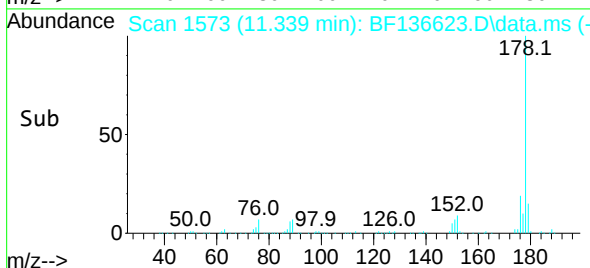
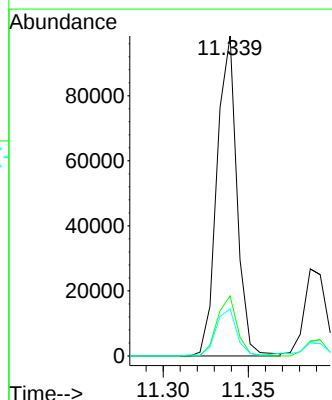
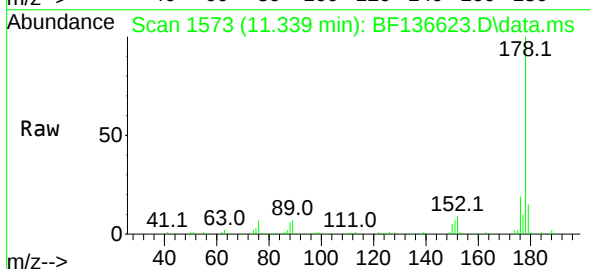
Manual Integrations
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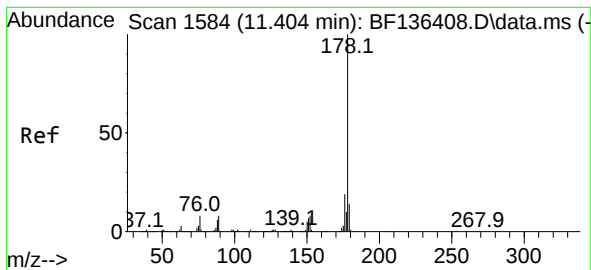
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#71
Phenanthrene
Concen: 7.456 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Tgt Ion:178 Resp: 80115
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 14.7 11.8 17.6





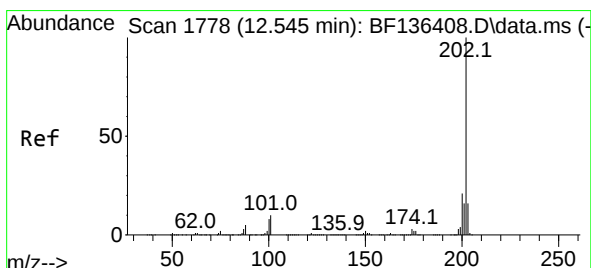
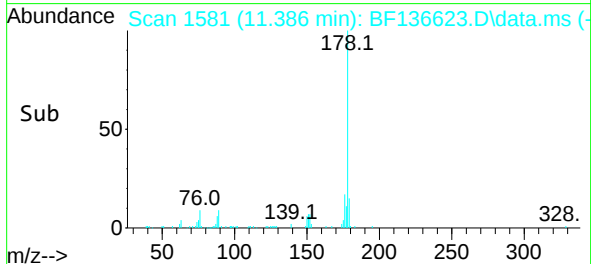
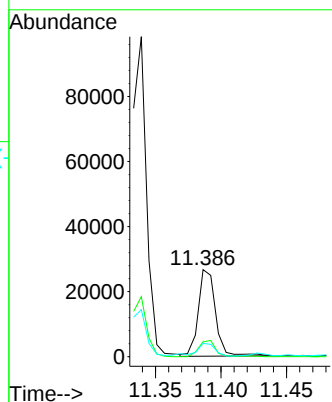
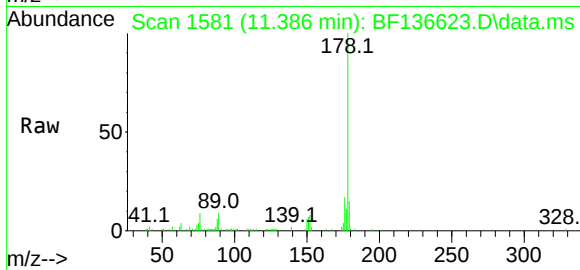
#72
 Anthracene
 Concen: 2.260 ng
 RT: 11.386 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136623.D
 Acq: 18 Dec 2023 19:42

Instrument :
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Tgt Ion:178 Resp: 24458
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.3 22.9
 179 15.3 11.4 17.0

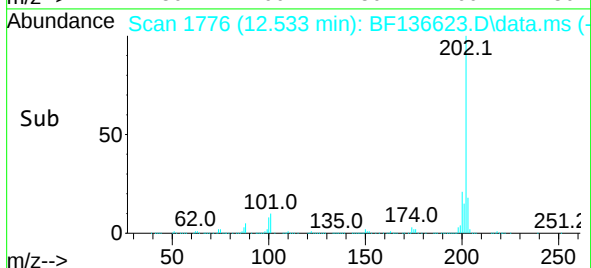
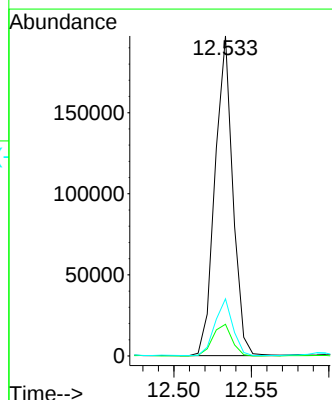
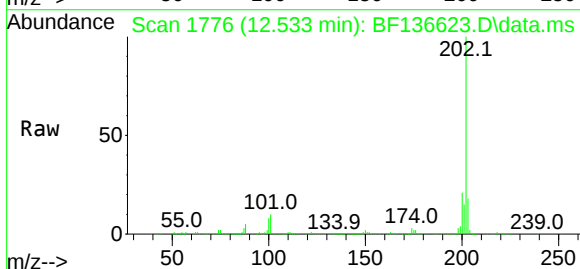
Manual Integrations
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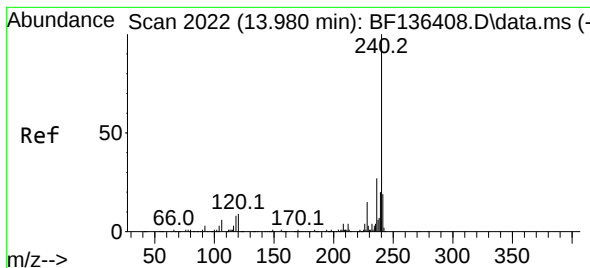
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/19/2023



#75
 Fluoranthene
 Concen: 13.982 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF136623.D
 Acq: 18 Dec 2023 19:42

Tgt Ion:202 Resp: 157445
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.9
 203 17.9 0.0 36.3





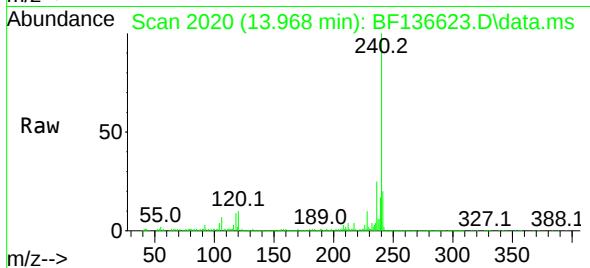
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Instrument :

BNA_F

ClientSampleId :

SP-E1-COMPRE

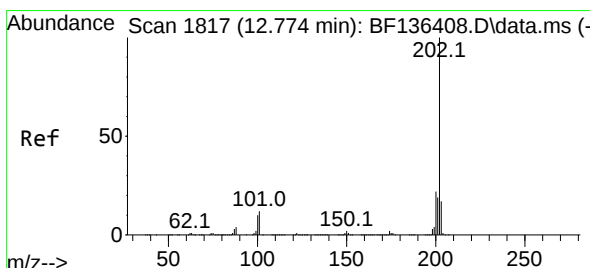
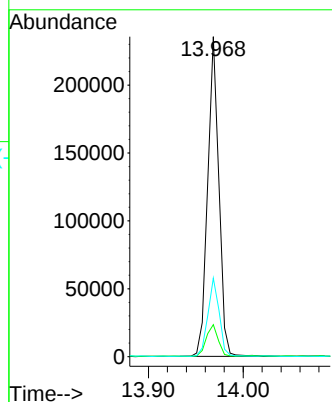
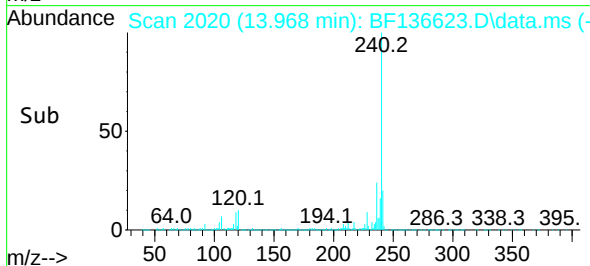


Tgt Ion:240 Resp: 192888
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 24.6 21.3 31.9

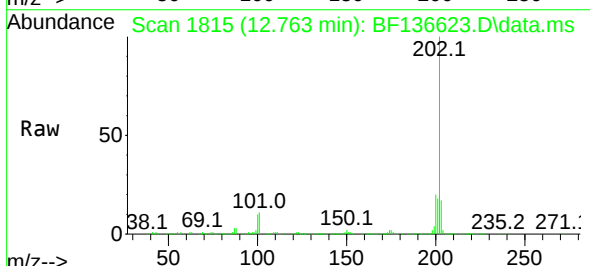
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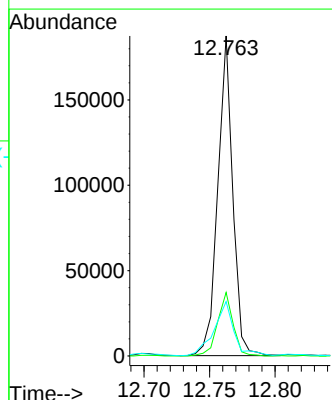
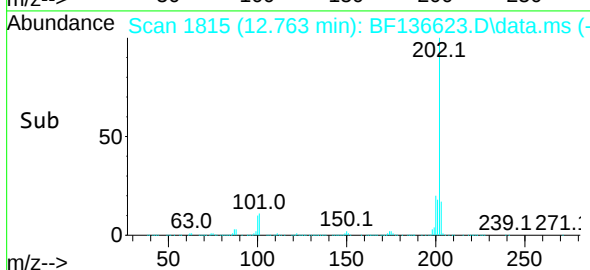
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023

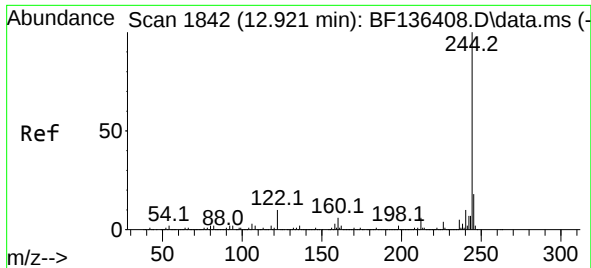


#78
Pyrene
Concen: 7.855 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.012 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42



Tgt Ion:202 Resp: 148391
Ion Ratio Lower Upper
202 100
200 19.8 18.0 27.0
203 17.0 13.5 20.3





#79
 Terphenyl-d14
 Concen: 29.633 ng
 RT: 12.910 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF136623.D
 Acq: 18 Dec 2023 19:42

Instrument :

BNA_F

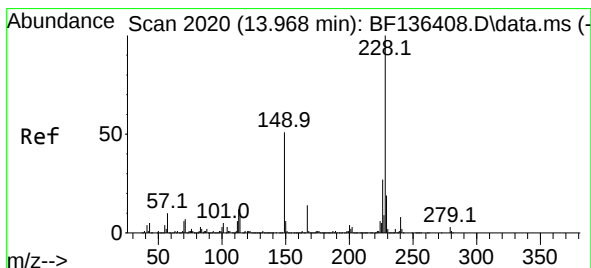
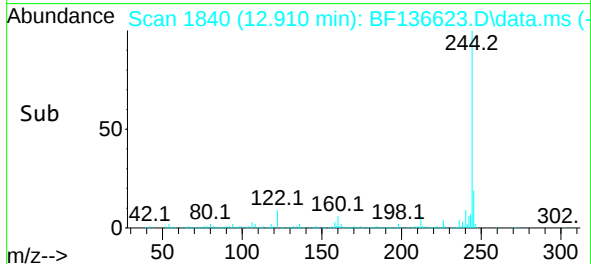
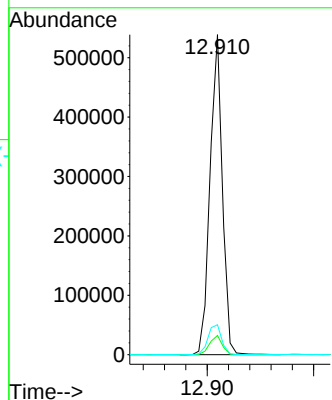
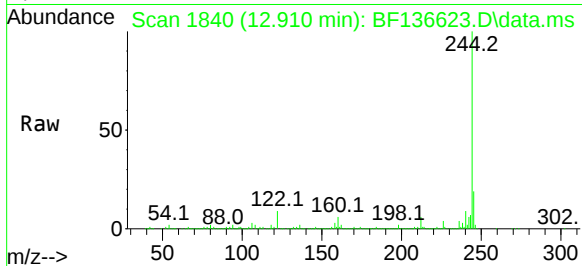
ClientSampleId :

SP-E1-COMP

Tgt Ion:244 Resp: 433659
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.0 7.4
 122 9.4 8.3 12.5

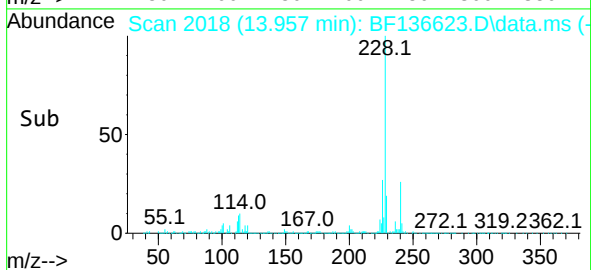
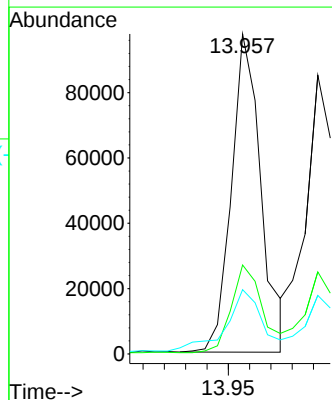
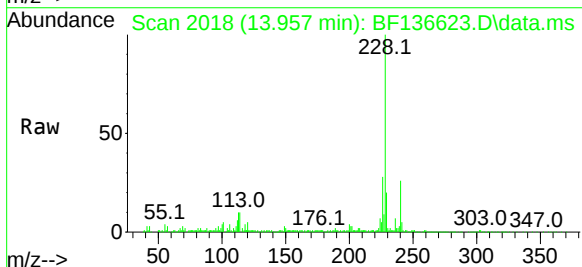
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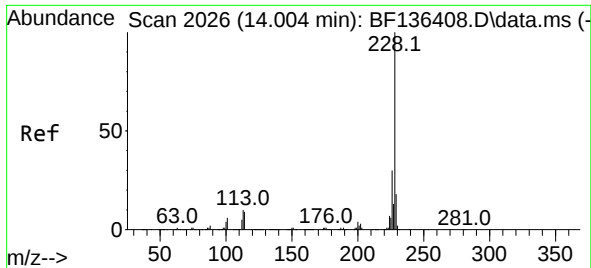
Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/19/2023



#81
 Benzo(a)anthracene
 Concen: 7.014 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.012 min
 Lab File: BF136623.D
 Acq: 18 Dec 2023 19:42

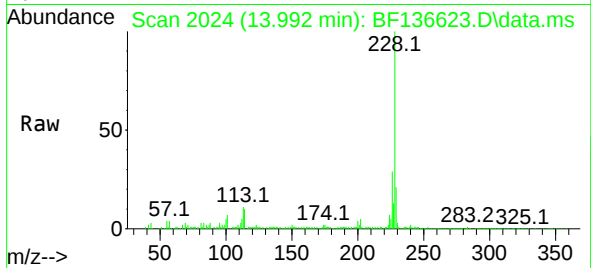
Tgt Ion:228 Resp: 94234
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.8 32.8
 229 20.1 15.0 22.4





#83
Chrysene
Concen: 6.105 ng
RT: 13.992 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

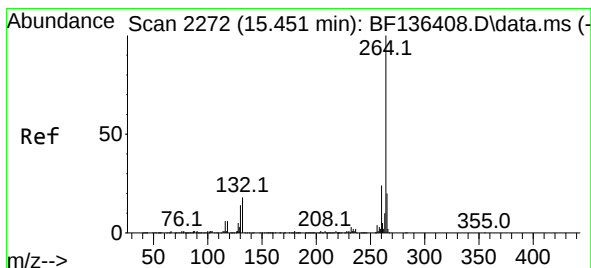
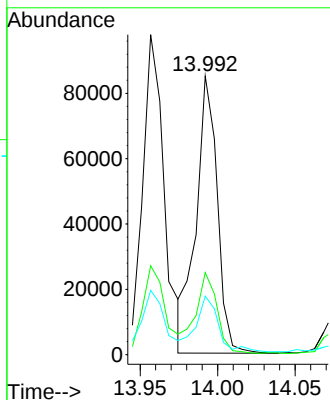
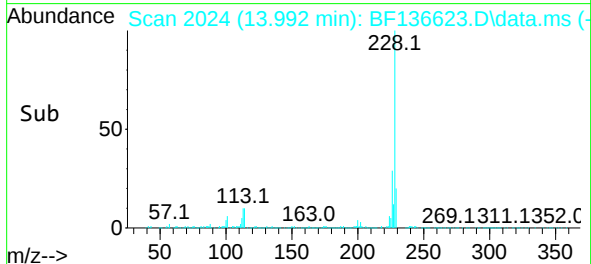
Instrument :
BNA_F
Client Sample Id :
SP-E1-COMP



Tgt Ion: 228 Resp: 80700
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 21.0 14.8 22.2

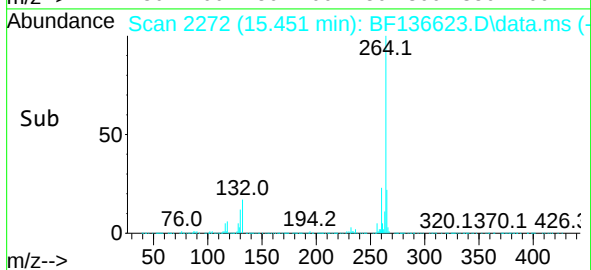
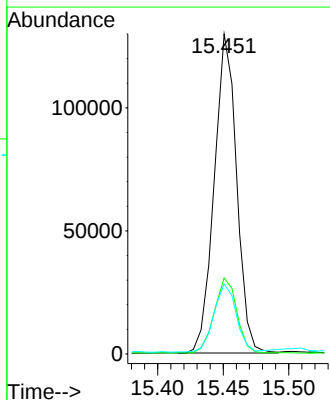
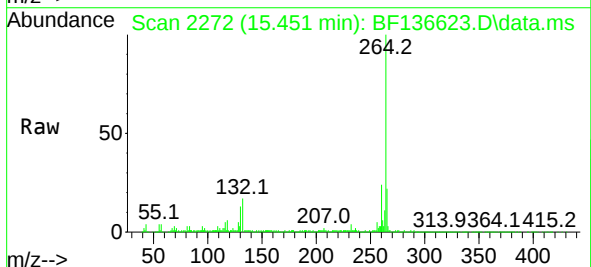
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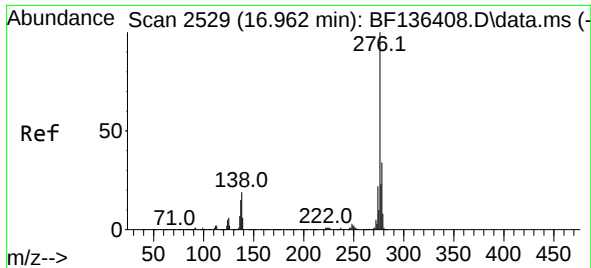
Reviewed By : Yogesh Patel 12/19/2023
Supervised By : mohammad ahmed 12/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Tgt Ion: 264 Resp: 153904
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 21.8 15.9 23.9





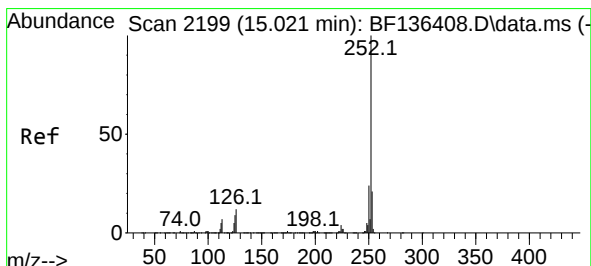
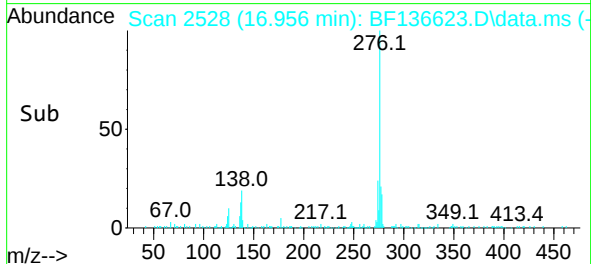
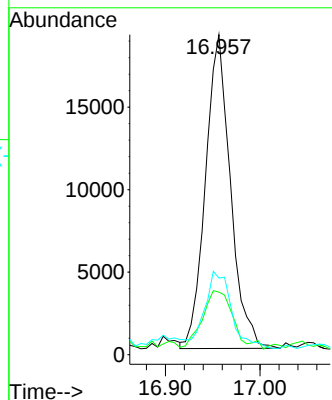
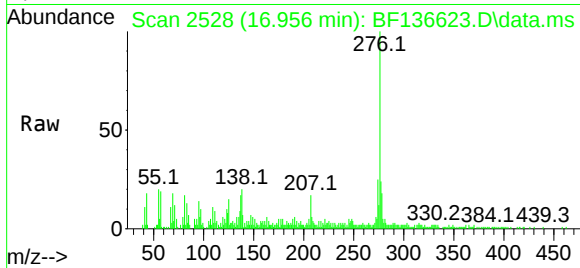
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.258 ng
RT: 16.956 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP

Tgt Ion:276 Resp: 3483
Ion Ratio Lower Upper
276 100
138 23.0 19.0 28.4
277 26.4 20.0 30.0

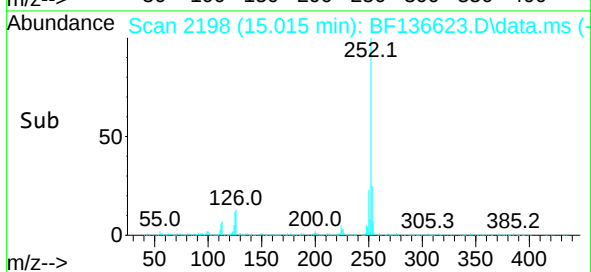
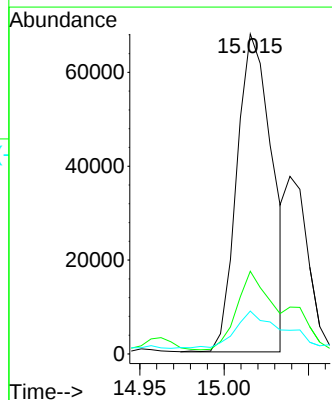
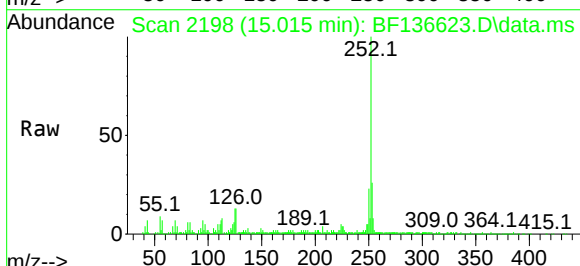
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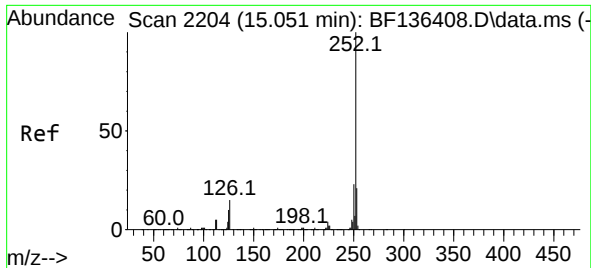
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#88
Benzo(b)fluoranthene
Concen: 9.336 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

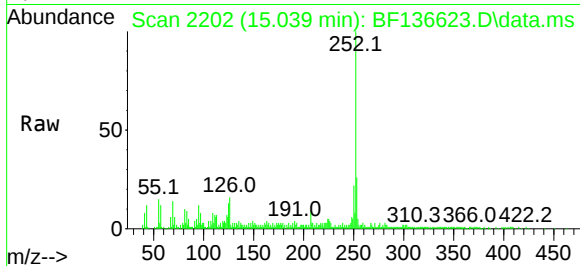
Tgt Ion:252 Resp: 98238
Ion Ratio Lower Upper
252 100
253 25.9 16.9 25.3#
125 13.4 7.4 11.2#





#89
Benzo(k)fluoranthene
Concen: 3.460 ng m
RT: 15.039 min Scan# 2204
Delta R.T. -0.012 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

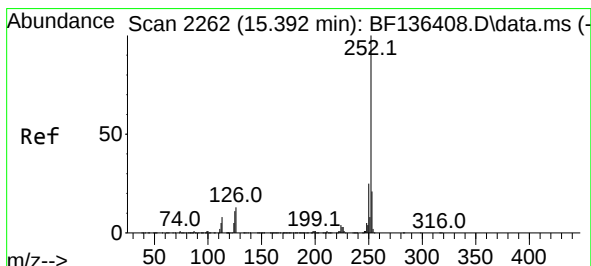
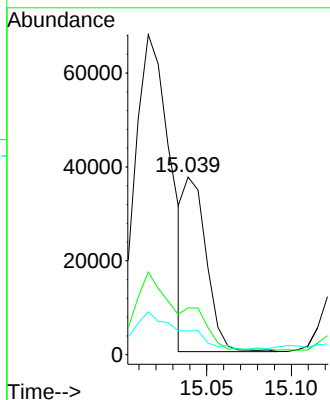
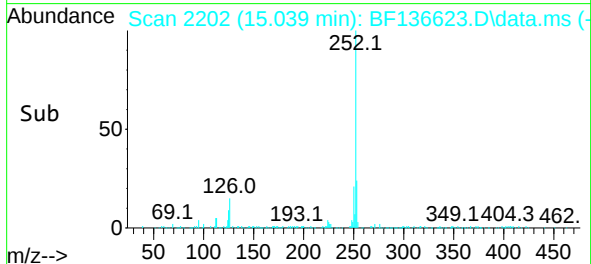
Instrument :
BNA_F
ClientSampleId :
SP-E1-COMP



Tgt Ion:252 Resp: 34309
Ion Ratio Lower Upper
252 100
253 26.4 16.9 25.3
125 13.4 7.5 11.3

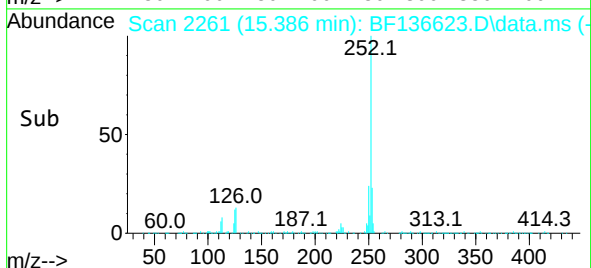
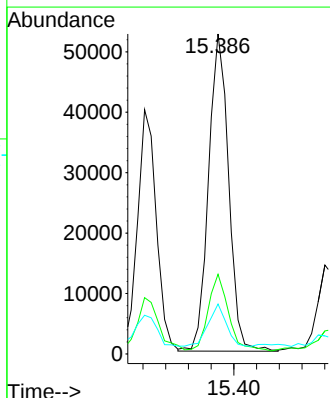
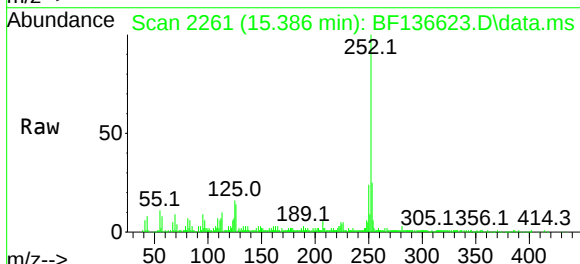
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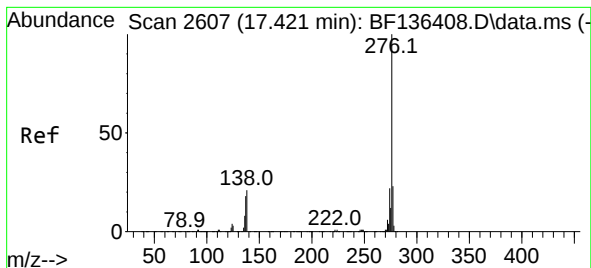
Reviewed By :Yogesh Patel 12/19/2023
Supervised By :mohammad ahmed 12/19/2023



#90
Benzo(a)pyrene
Concen: 7.402 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.012 min
Lab File: BF136623.D
Acq: 18 Dec 2023 19:42

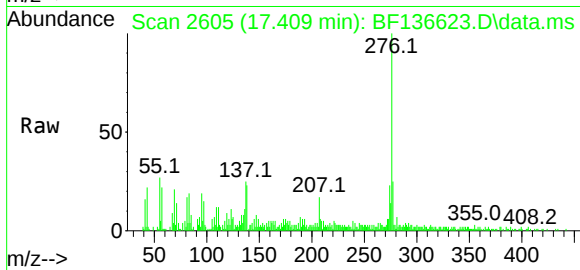
Tgt Ion:252 Resp: 64326
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.4
125 15.6 8.6 13.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.849 ng
 RT: 17.409 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF136623.D
 Acq: 18 Dec 2023 19:42

Instrument :
 BNA_F
 ClientSampleId :
 SP-E1-COMP



Tgt Ion:276 Resp: 3460
 Ion Ratio Lower Upper
 276 100
 277 25.4 18.7 28.1
 138 23.1 16.6 25.0

Manual Integrations
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Reviewed By :Yogesh Patel 12/19/2023
 Supervised By :mohammad ahmed 12/19/2023

