

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
 Data File : BF134912.D
 Acq On : 23 Aug 2023 19:18
 Operator : CG\JU
 Sample : 04082-03 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 364

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/24/2023
 Supervised By :mohammad ahmed 08/24/2023

Quant Time: Aug 24 04:29:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	114989	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	433798	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	198538	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	330024	20.000	ng	0.00
76) Chrysene-d12	13.980	240	210375	20.000	ng	0.00
86) Perylene-d12	15.457	264	182446	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	51147	7.093	ng	0.00
7) Phenol-d6	6.428	99	65786	7.140	ng	-0.01
23) Nitrobenzene-d5	7.351	82	36551	4.643	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	11906	5.092	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	78424	6.106	ng	0.00
79) Terphenyl-d14	12.921	244	72119	4.715	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.786	142	33350	2.309	ng	96
38) 1-Methylnaphthalene	8.886	142	27956	2.070	ng	98
58) Fluorene	10.380	166	27194m	2.169	ng	
71) Phenanthrene	11.351	178	481785	27.859	ng	99
72) Anthracene	11.398	178	90558	5.111	ng	99
73) Carbazole	11.557	167	34079	2.334	ng	97
75) Fluoranthene	12.545	202	576459	35.180	ng	100
78) Pyrene	12.774	202	532477	23.872	ng	99
81) Benzo(a)anthracene	13.968	228	201761	14.057	ng	97
83) Chrysene	14.004	228	173316	12.238	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	61206	4.693	ng	96
88) Benzo(b)fluoranthene	15.021	252	186569m	18.125	ng	
89) Benzo(k)fluoranthene	15.051	252	45766m	4.528	ng	
90) Benzo(a)pyrene	15.392	252	120812	11.757	ng	96
92) Benzo(g,h,i)perylene	17.398	276	59445	5.503	ng	99

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

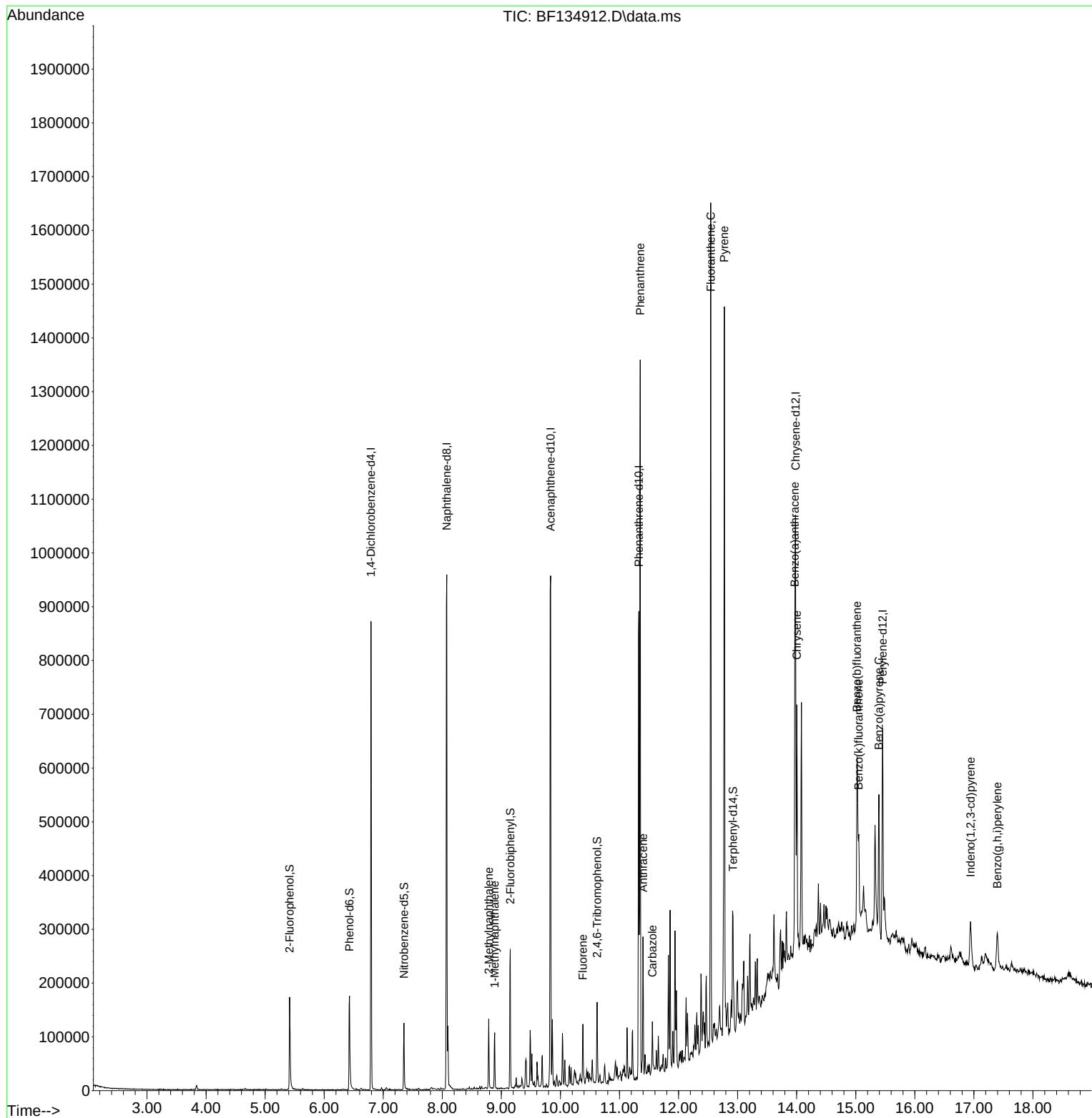
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
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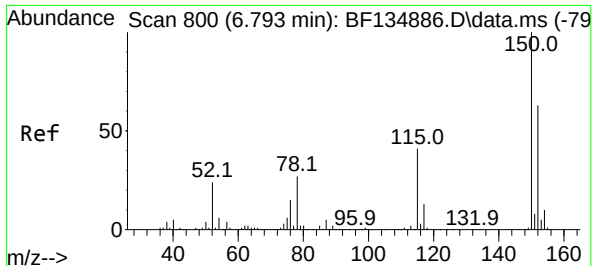
Instrument :
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Quant Time: Aug 24 04:29:44 2023
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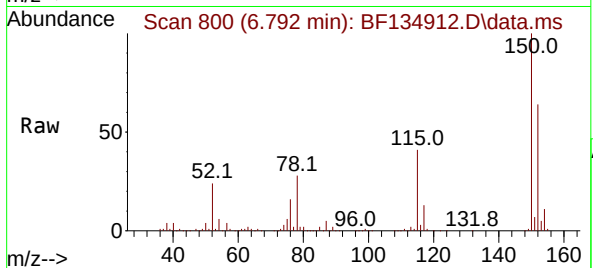
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.001 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

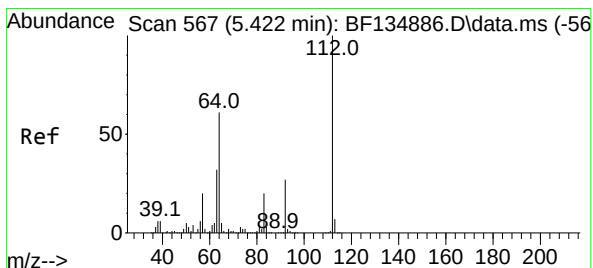
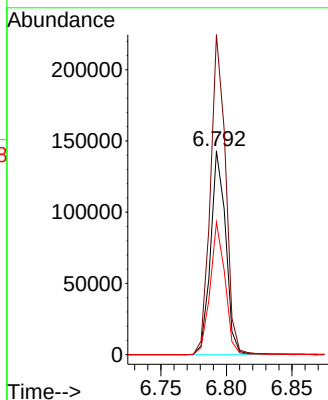
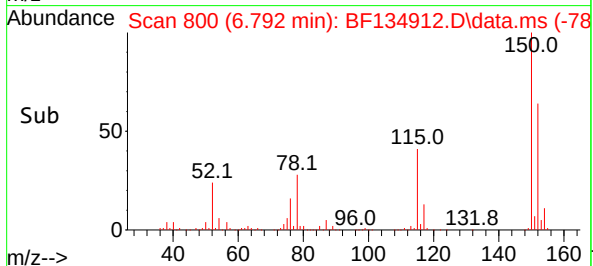
Instrument :
BNA_F
ClientSampleId :
364



Tgt Ion:152 Resp: 114989
Ion Ratio Lower Upper
152 100
150 157.0 126.1 189.1
115 65.0 51.1 76.7

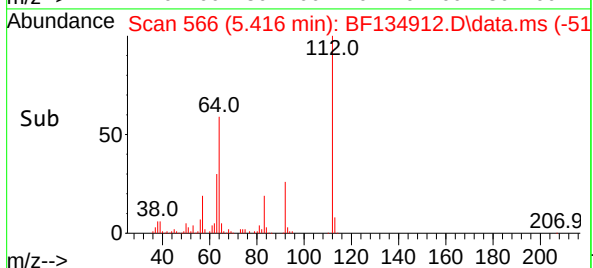
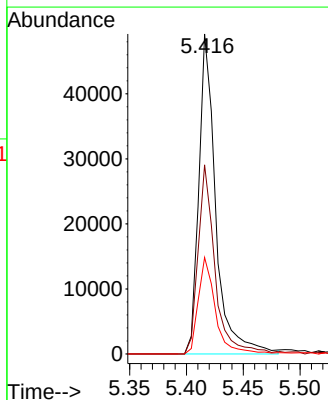
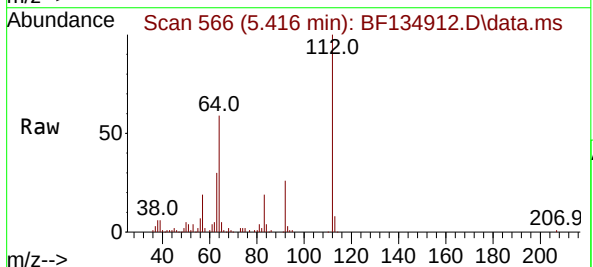
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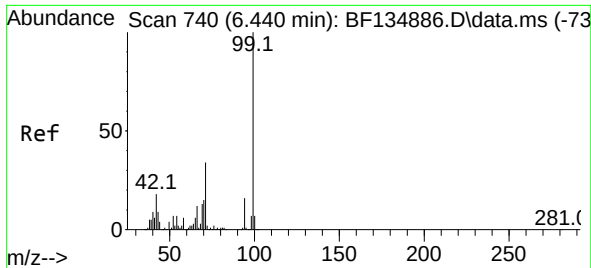
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#5
2-Fluorophenol
Concen: 7.093 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

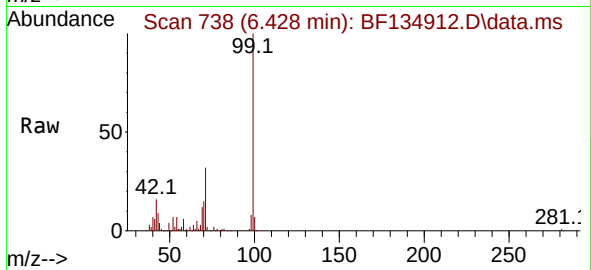
Tgt Ion:112 Resp: 51147
Ion Ratio Lower Upper
112 100
64 59.1 48.6 73.0
63 30.1 25.7 38.5





#7
Phenol-d6
Concen: 7.140 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

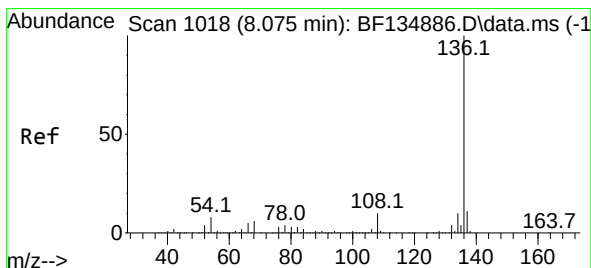
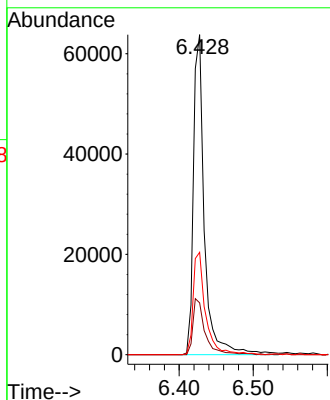
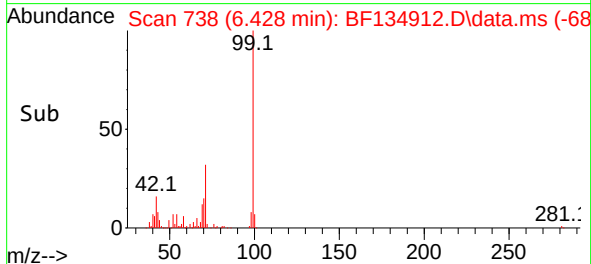
Instrument :
BNA_F
ClientSampleId :
364



Tgt Ion: 99 Resp: 65780
Ion Ratio Lower Upper
99 100
42 16.2 14.6 22.0
71 32.0 27.6 41.4

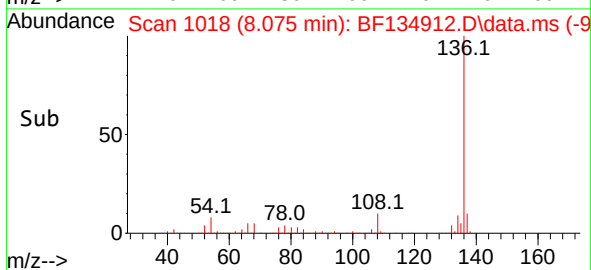
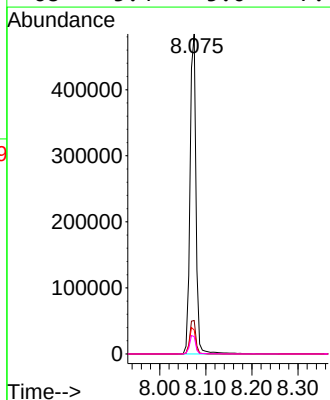
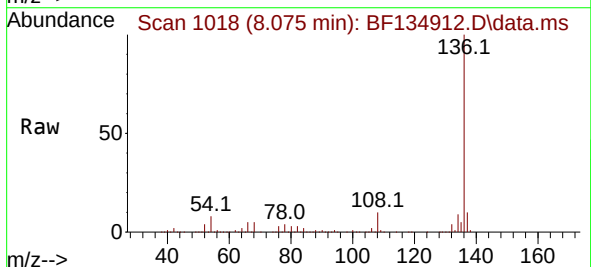
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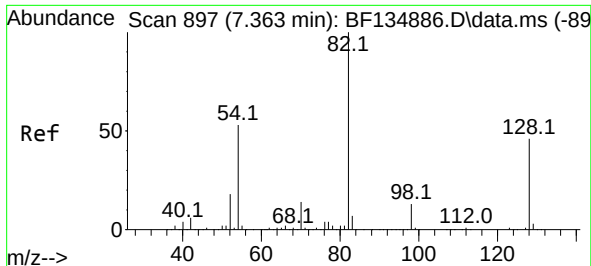
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

Tgt Ion:136 Resp: 433798
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 7.5 6.6 9.8
68 5.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 4.643 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

Tgt Ion: 82 Resp: 3655

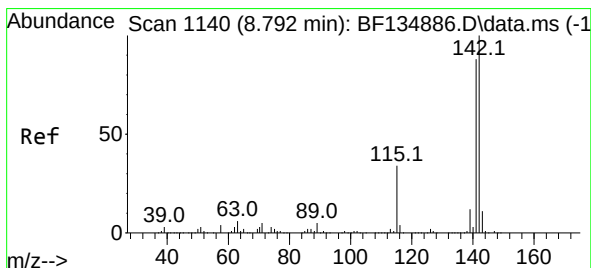
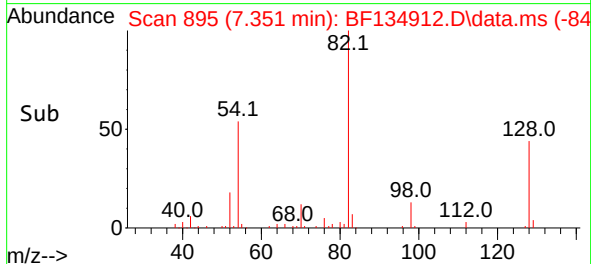
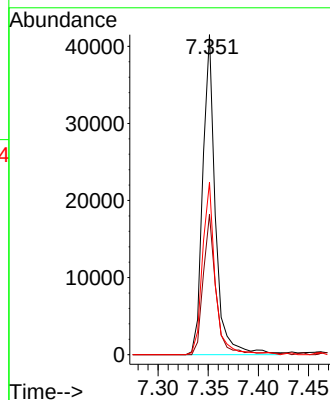
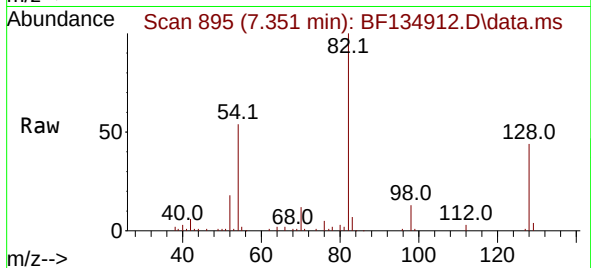
Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.6	54.8
54	53.8	42.6	63.8

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Supervised By :mohammad ahmed 08/24/2023



#37

2-Methylnaphthalene

Concen: 2.309 ng

RT: 8.786 min Scan# 1139

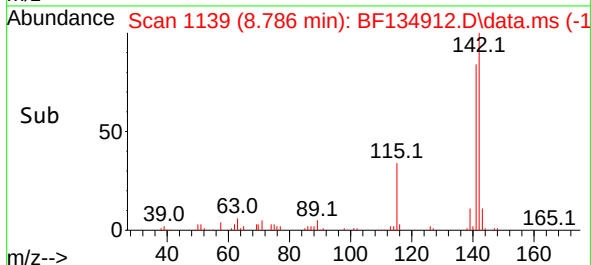
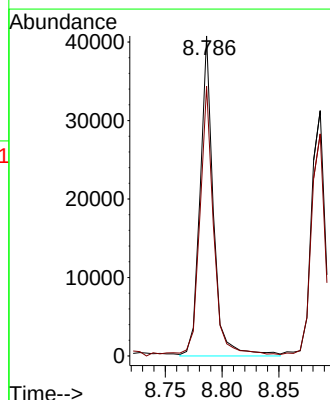
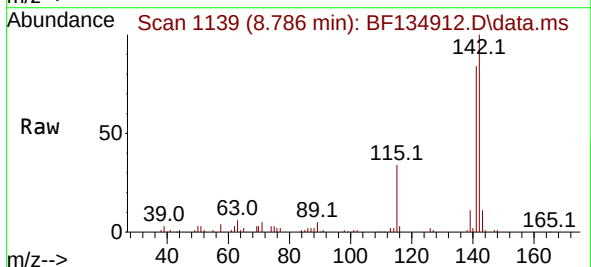
Delta R.T. -0.006 min

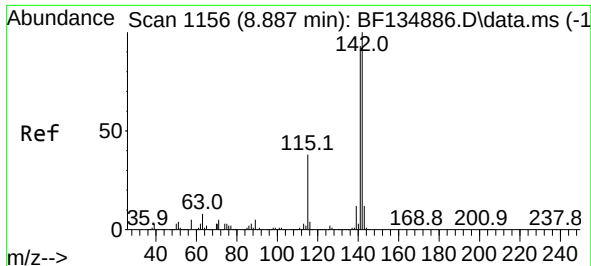
Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Tgt Ion:142 Resp: 33350

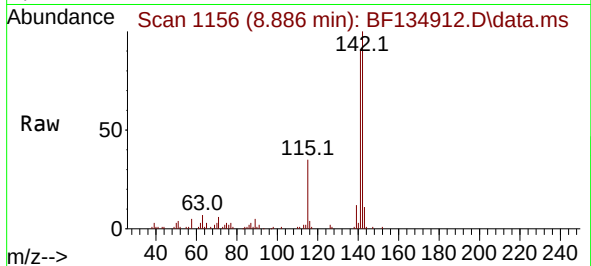
Ion	Ratio	Lower	Upper
142	100		
141	84.3	70.2	105.2





#38
1-Methylnaphthalene
Concen: 2.070 ng
RT: 8.886 min Scan# 1156
Delta R.T. -0.000 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

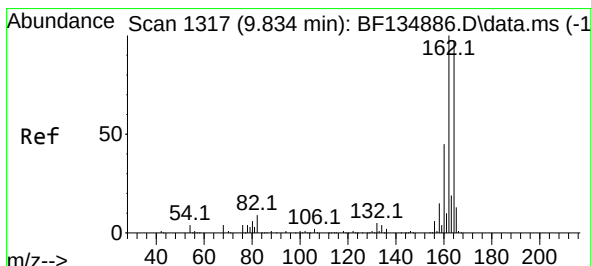
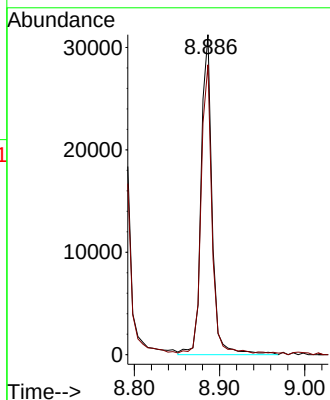
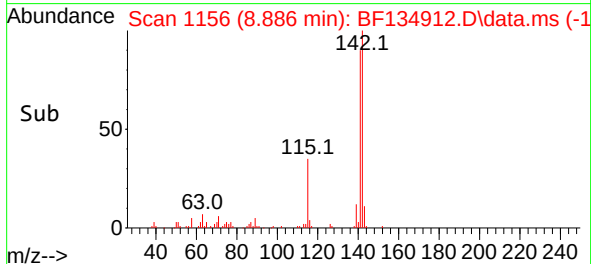
Instrument :
BNA_F
ClientSampleId :
364



Tgt Ion:142 Resp: 27950
Ion Ratio Lower Upper
142 100
141 90.6 74.1 111.1

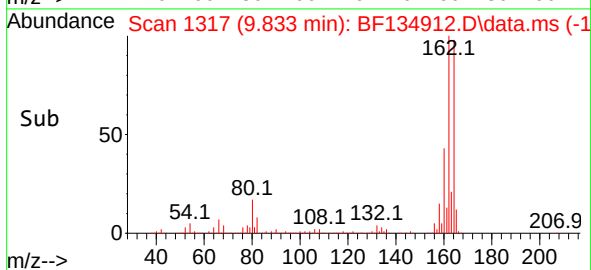
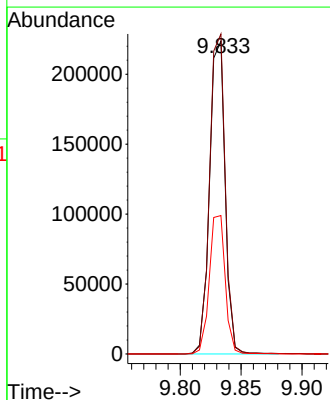
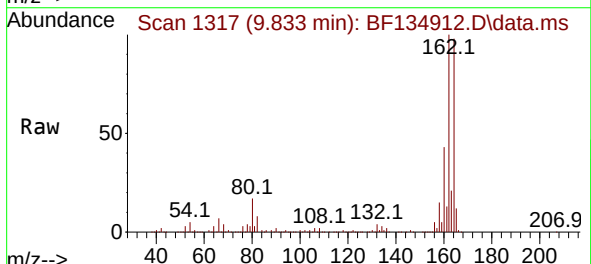
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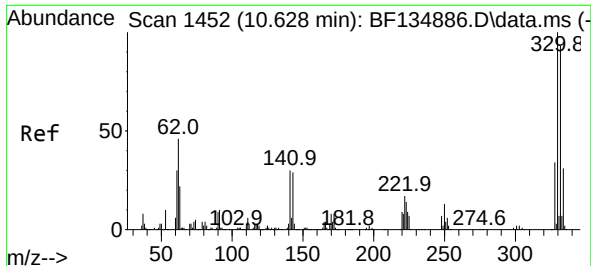
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

Tgt Ion:164 Resp: 198538
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 44.2 37.0 55.4





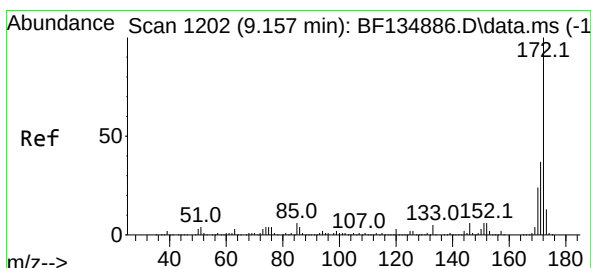
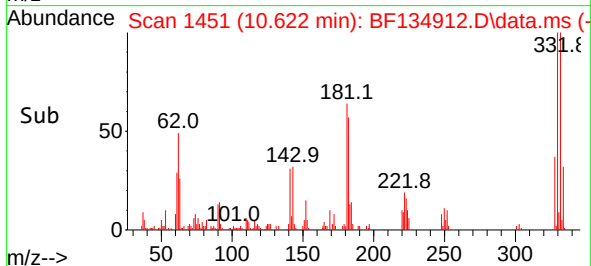
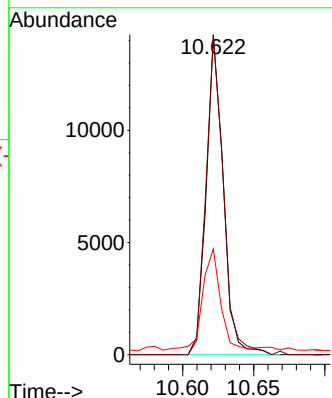
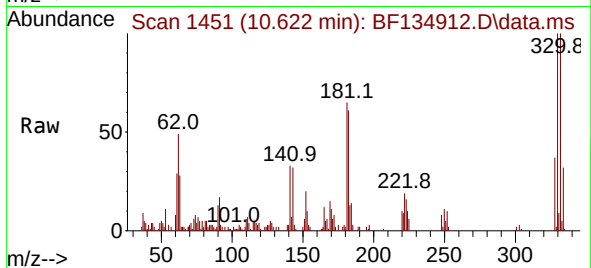
#42
2,4,6-Tribromophenol
Concen: 5.092 ng
RT: 10.622 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

Instrument :
BNA_F
ClientSampleId :
364

Tgt Ion: 330 Resp: 11900
Ion Ratio Lower Upper
330 100
332 101.7 76.3 114.5
141 31.4 23.4 35.2

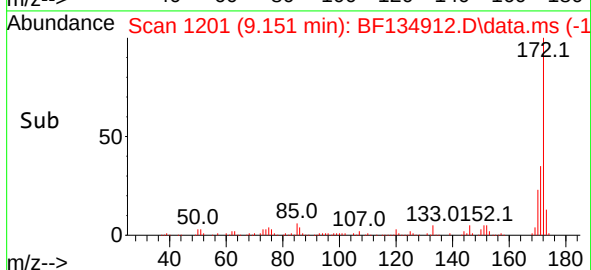
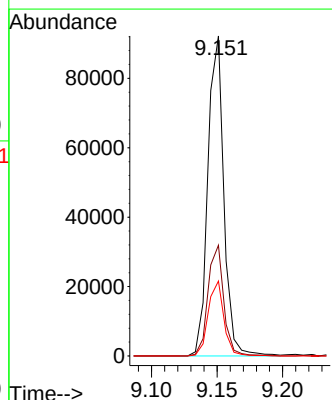
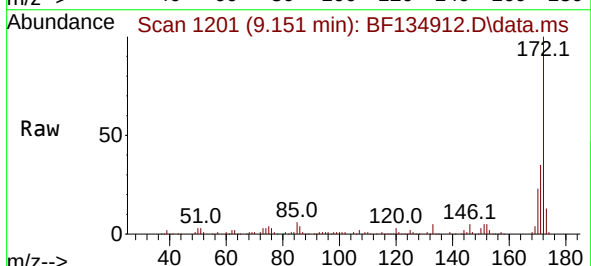
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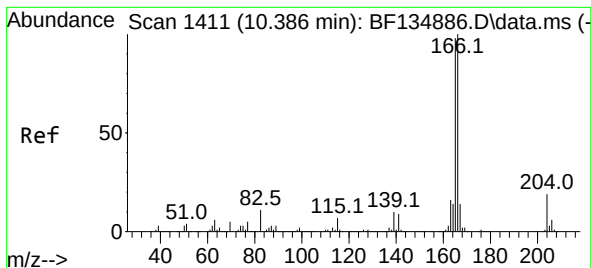
Reviewed By : Yogesh Patel 08/24/2023
Supervised By : mohammad ahmed 08/24/2023



#45
2-Fluorobiphenyl
Concen: 6.106 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

Tgt Ion: 172 Resp: 78424
Ion Ratio Lower Upper
172 100
171 34.6 29.4 44.0
170 23.4 19.6 29.4





#58

Fluorene

Concen: 2.169 ng m

RT: 10.380 min Scan# 1411

Delta R.T. -0.006 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364

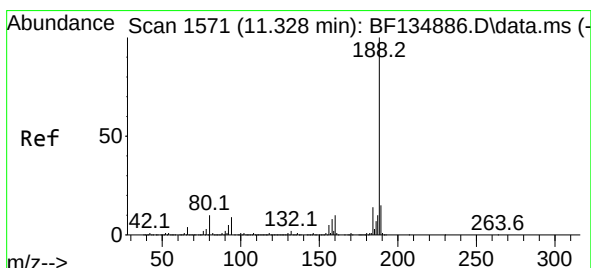
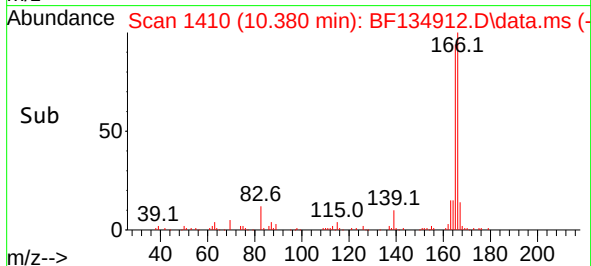
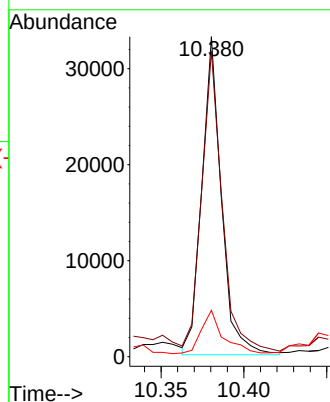
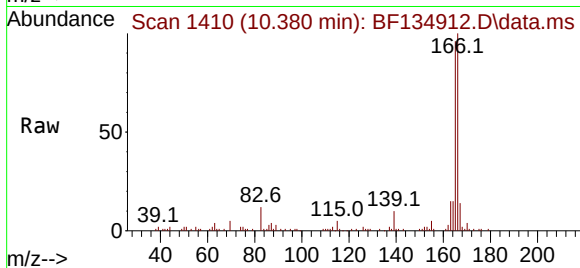
Tgt Ion:	166	Resp:	27194
Ion Ratio	Lower	Upper	
166	100		
165	95.6	78.5	117.7
167	14.5	11.0	16.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/24/2023

Supervised By :mohammad ahmed 08/24/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

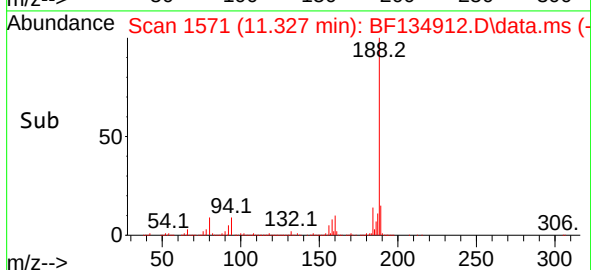
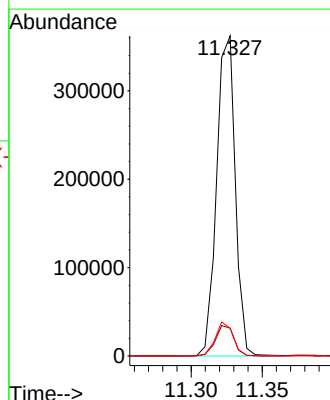
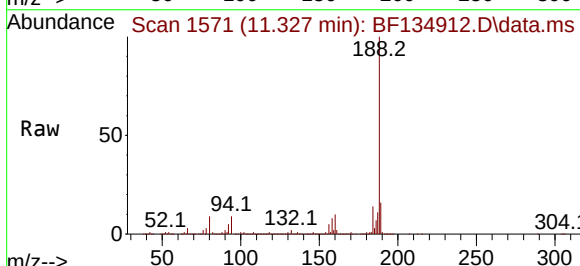
RT: 11.327 min Scan# 1571

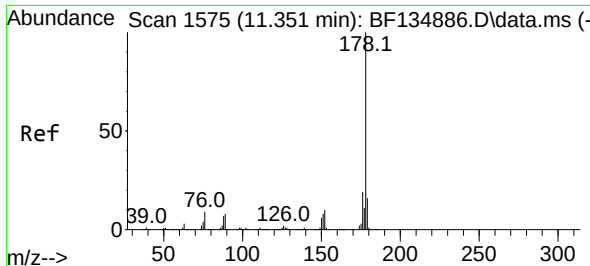
Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Tgt Ion:	188	Resp:	330024
Ion Ratio	Lower	Upper	
188	100		
94	8.7	7.5	11.3
80	8.7	7.8	11.6





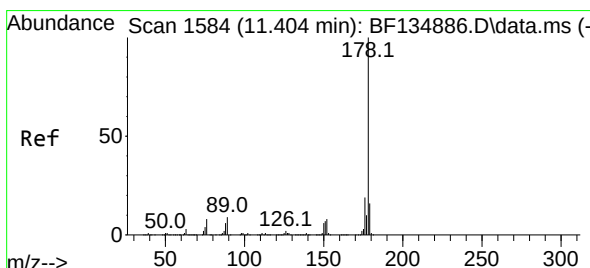
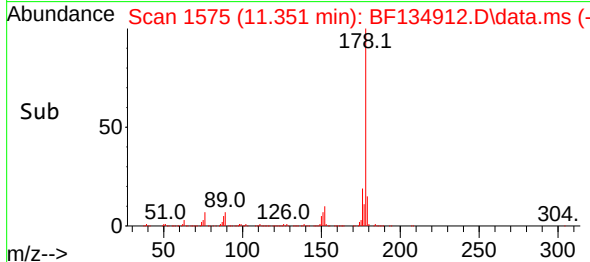
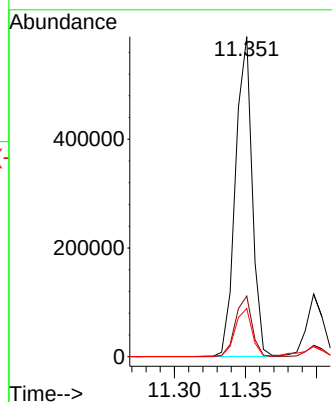
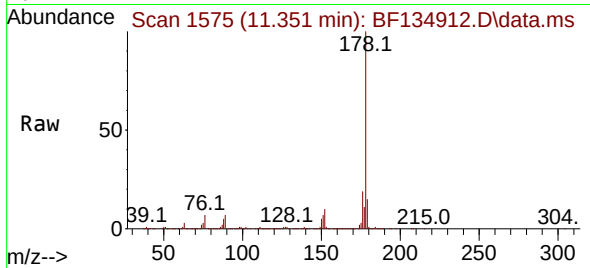
#71
Phenanthrene
Concen: 27.859 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

Instrument :
BNA_F
ClientSampleId :
364

Tgt Ion:178 Resp: 481785
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.0 12.6 19.0

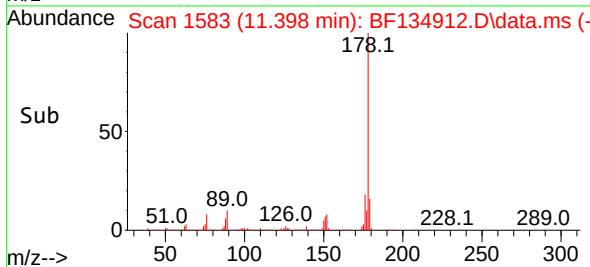
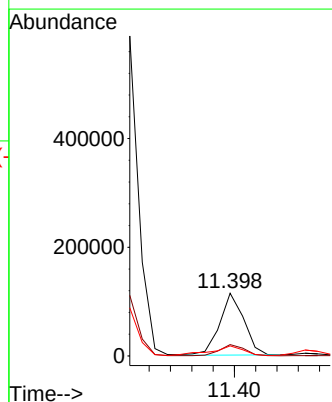
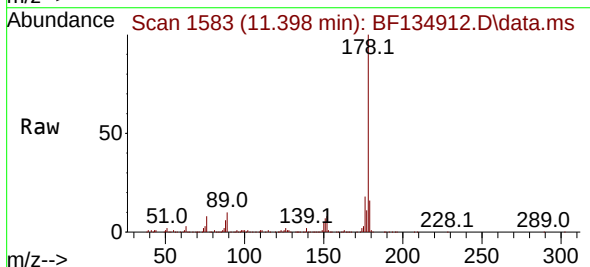
Manual Integrations
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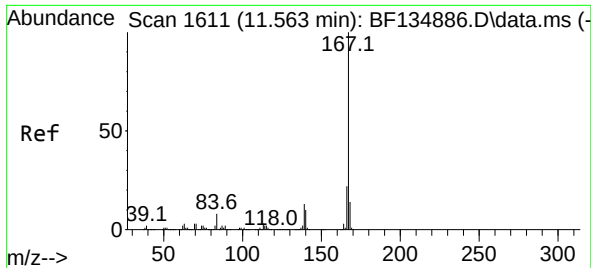
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#72
Anthracene
Concen: 5.111 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

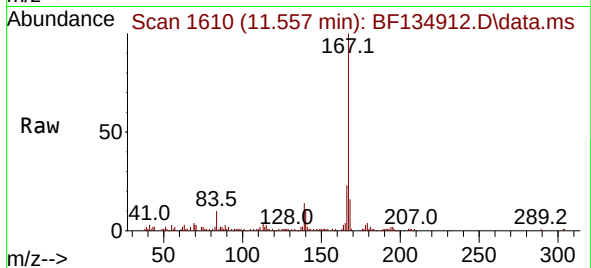
Tgt Ion:178 Resp: 90558
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 16.1 12.5 18.7





#73
 Carbazole
 Concen: 2.334 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. -0.006 min
 Lab File: BF134912.D
 Acq: 23 Aug 2023 19:18

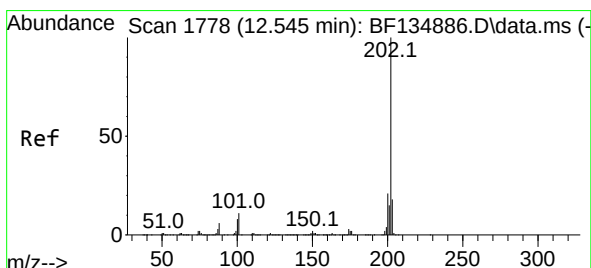
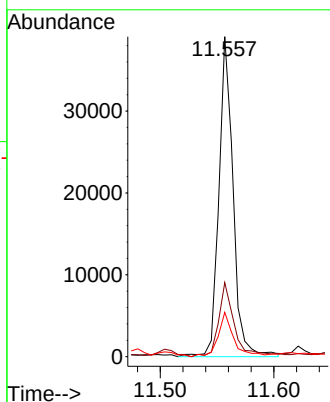
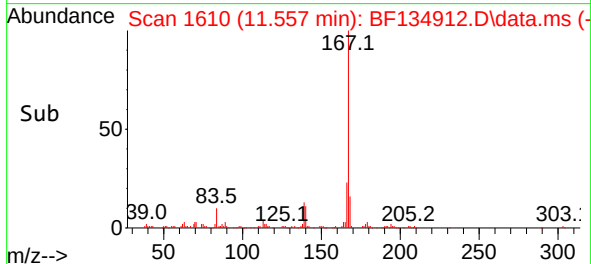
Instrument :
 BNA_F
 ClientSampleId :
 364



Tgt Ion:167 Resp: 34079
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.4 26.2
 139 13.9 10.4 15.6

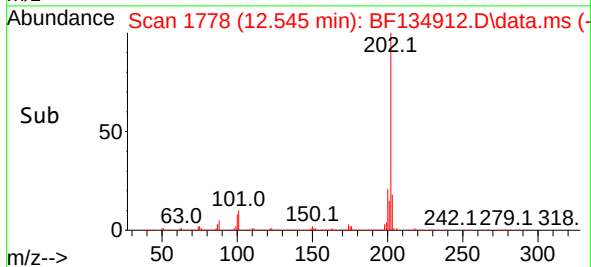
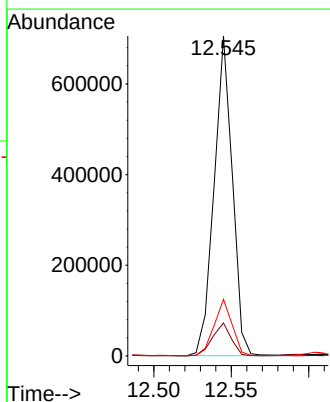
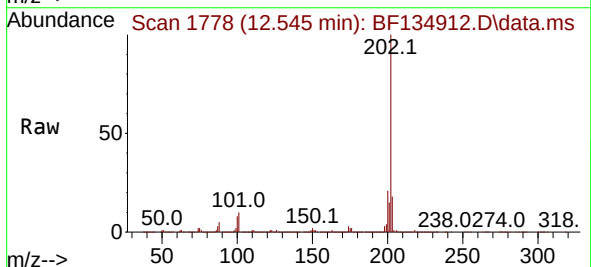
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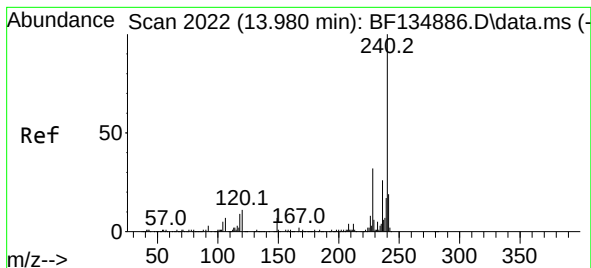
Reviewed By :Yogesh Patel 08/24/2023
 Supervised By :mohammad ahmed 08/24/2023



#75
 Fluoranthene
 Concen: 35.180 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.000 min
 Lab File: BF134912.D
 Acq: 23 Aug 2023 19:18

Tgt Ion:202 Resp: 576459
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 30.5
 203 17.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

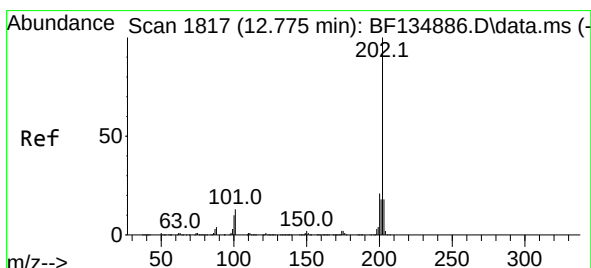
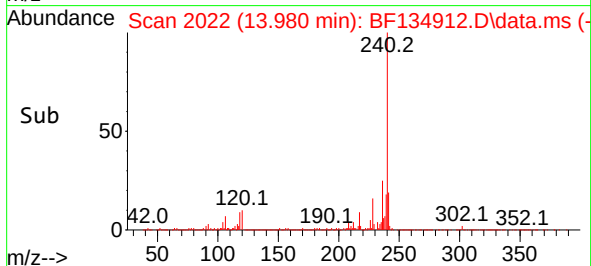
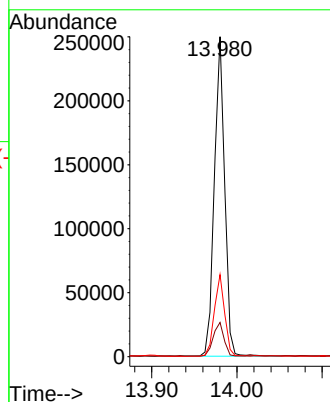
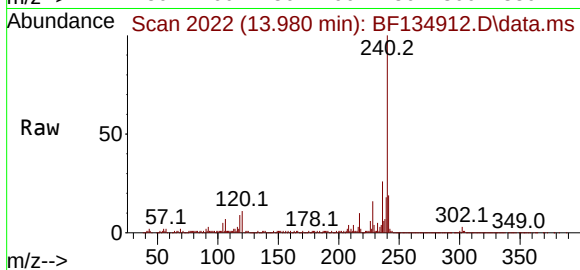
364

Tgt Ion:240 Resp: 210375
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.6 12.8
 236 25.7 20.6 31.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/24/2023
 Supervised By :mohammad ahmed 08/24/2023



#78

Pyrene

Concen: 23.872 ng

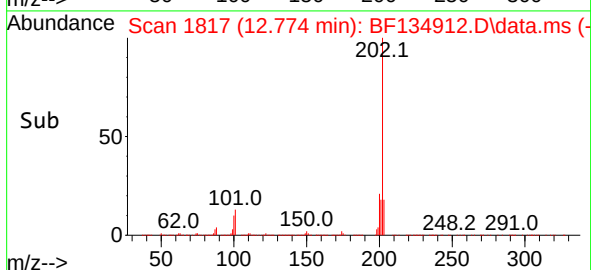
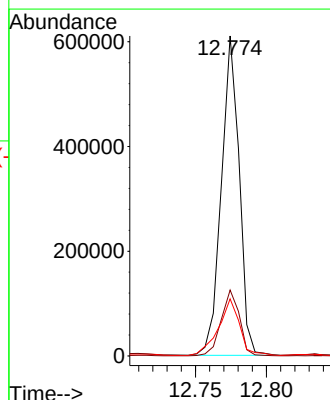
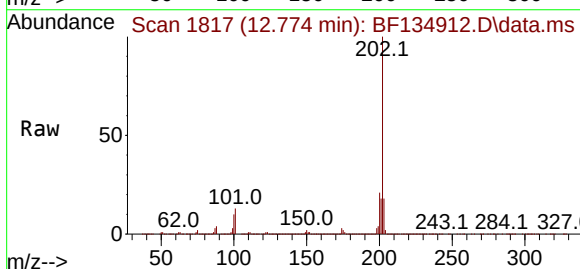
RT: 12.774 min Scan# 1817

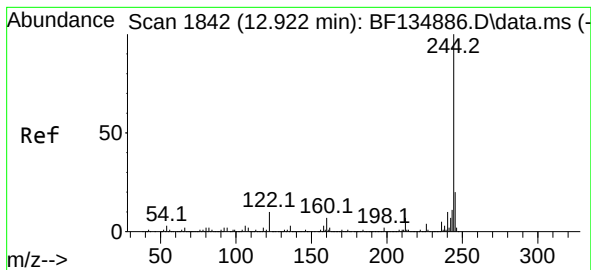
Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

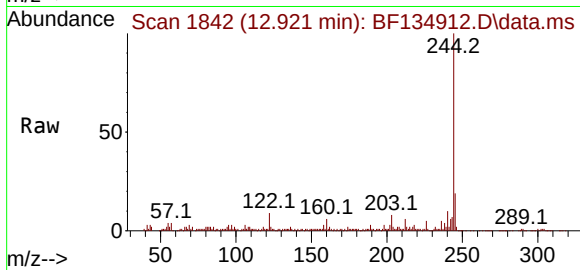
Tgt Ion:202 Resp: 532477
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.1 25.7
 203 17.9 14.2 21.2





#79
 Terphenyl-d14
 Concen: 4.715 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. -0.001 min
 Lab File: BF134912.D
 Acq: 23 Aug 2023 19:18

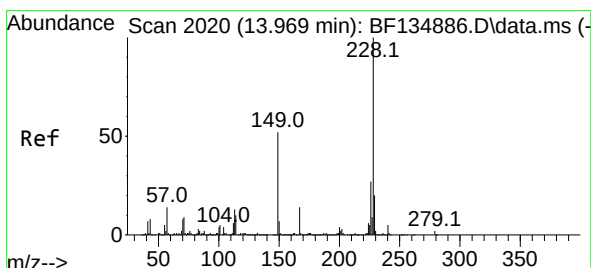
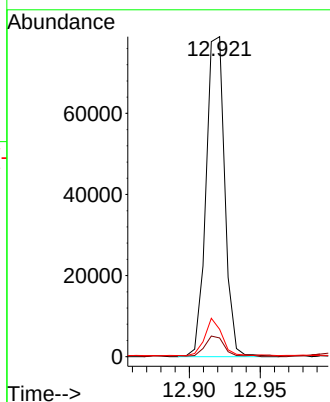
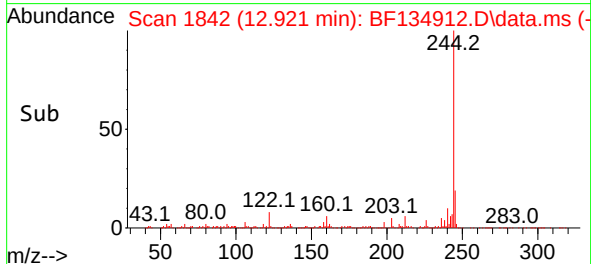
Instrument :
 BNA_F
 ClientSampleId :
 364



Tgt Ion:244 Resp: 72119
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.4 8.0
 122 8.6 8.2 12.4

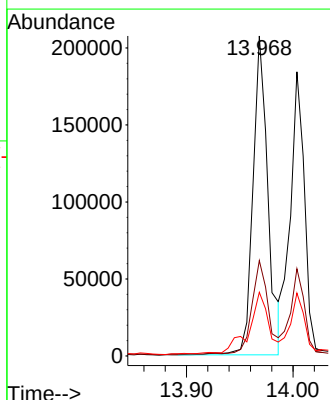
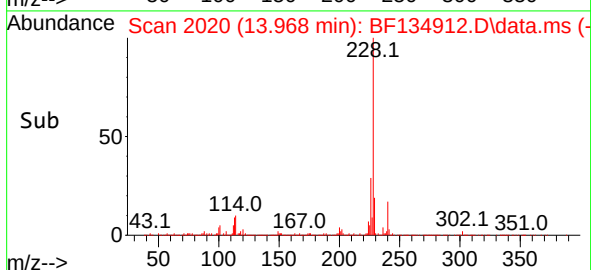
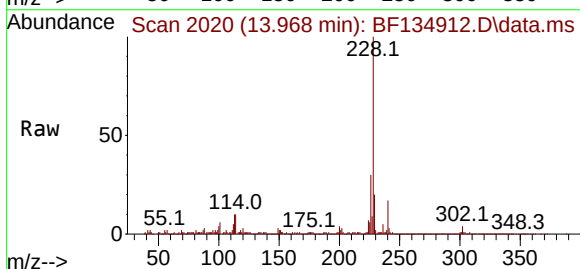
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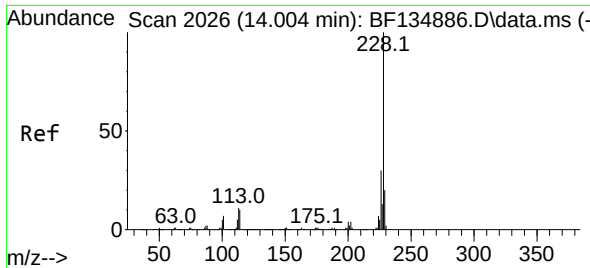
Reviewed By :Yogesh Patel 08/24/2023
 Supervised By :mohammad ahmed 08/24/2023



#81
 Benzo(a)anthracene
 Concen: 14.057 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: BF134912.D
 Acq: 23 Aug 2023 19:18

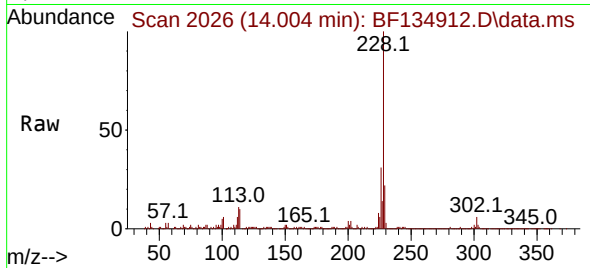
Tgt Ion:228 Resp: 201761
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.8 32.6
 229 19.9 15.6 23.4





#83
Chrysene
Concen: 12.238 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

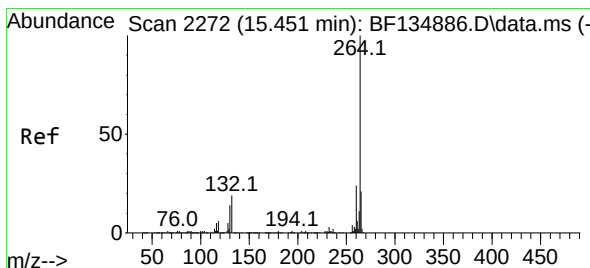
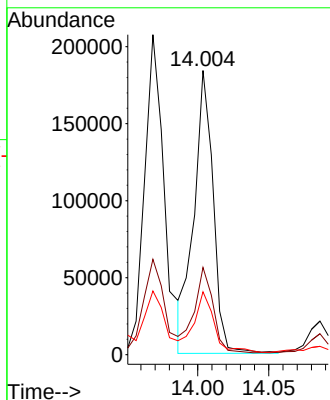
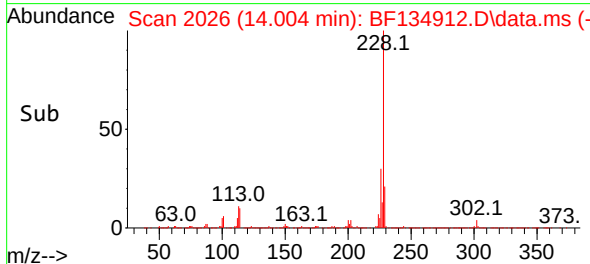
Instrument :
BNA_F
ClientSampleId :
364



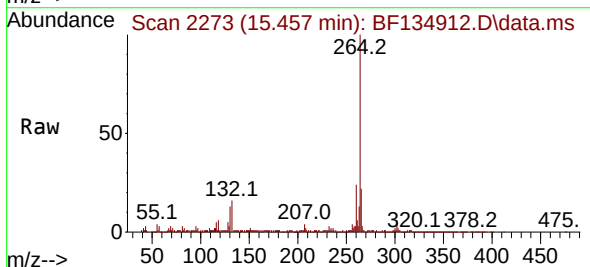
Tgt Ion:228 Resp: 173310
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 22.1 16.0 24.0

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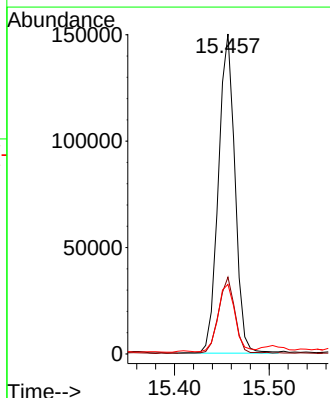
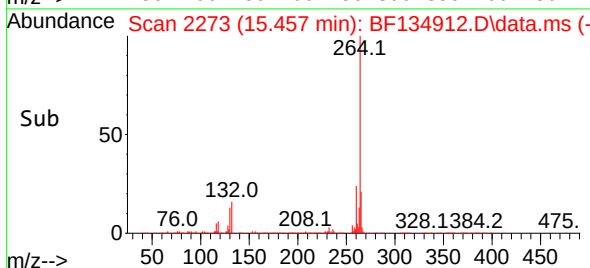
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023

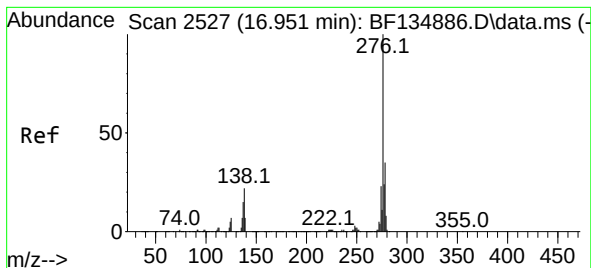


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18



Tgt Ion:264 Resp: 182446
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.6
265 21.7 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.693 ng

RT: 16.945 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

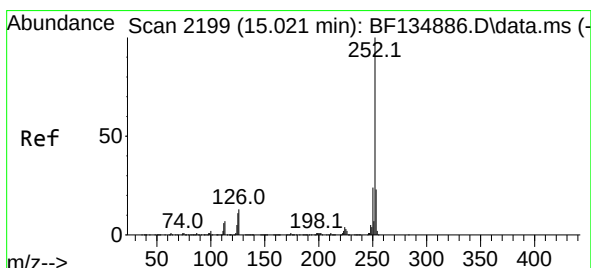
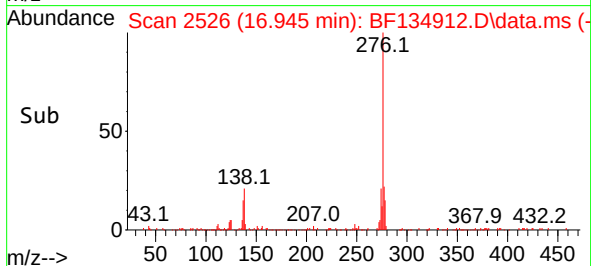
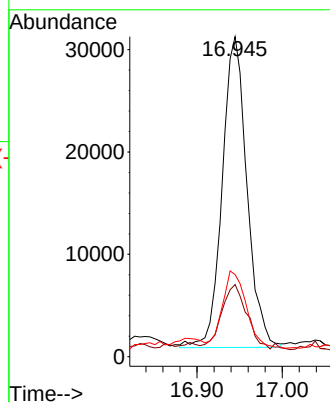
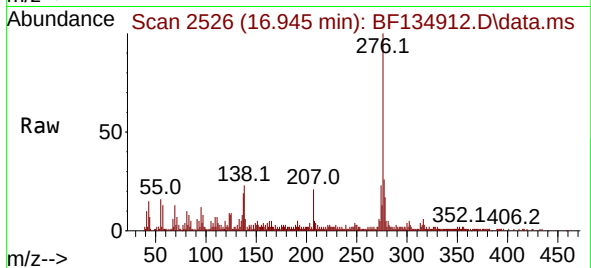
364

Tgt Ion:276 Resp: 61200
 Ion Ratio Lower Upper
 276 100
 138 21.7 19.7 29.5
 277 23.9 20.1 30.1

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Reviewed By :Yogesh Patel 08/24/2023
 Supervised By :mohammad ahmed 08/24/2023



#88

Benzo(b)fluoranthene

Concen: 18.125 ng m

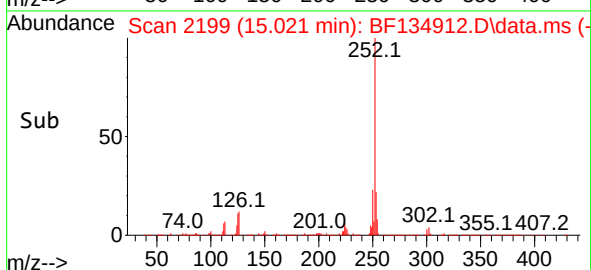
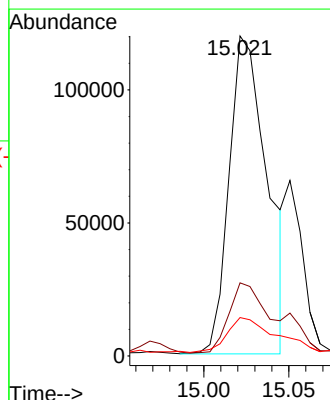
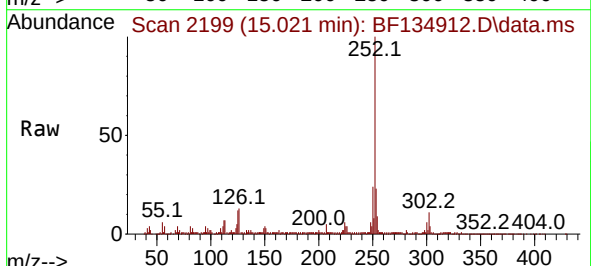
RT: 15.021 min Scan# 2199

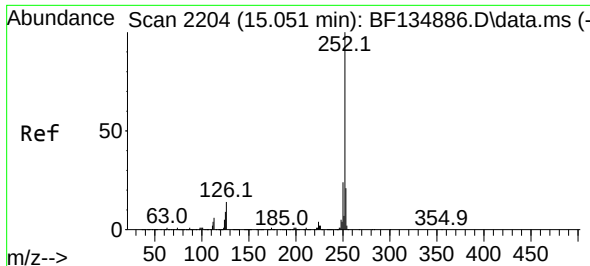
Delta R.T. -0.000 min

Lab File: BF134912.D

Acq: 23 Aug 2023 19:18

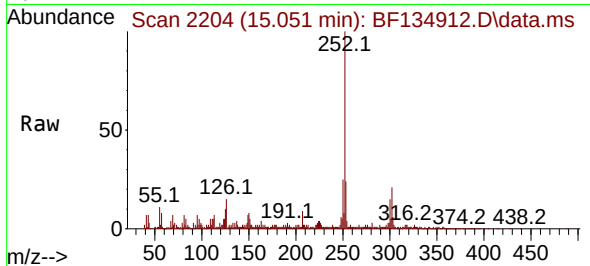
Tgt Ion:252 Resp: 186569
 Ion Ratio Lower Upper
 252 100
 253 22.8 18.1 27.1
 125 12.0 8.4 12.6





#89
Benzo(k)fluoranthene
Concen: 4.528 ng m
RT: 15.051 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

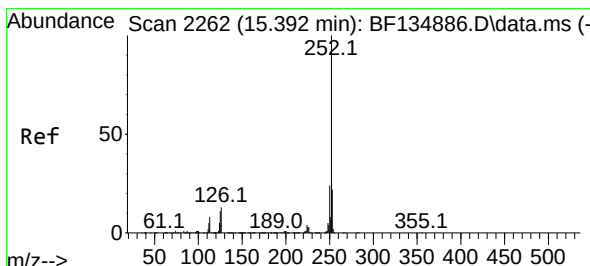
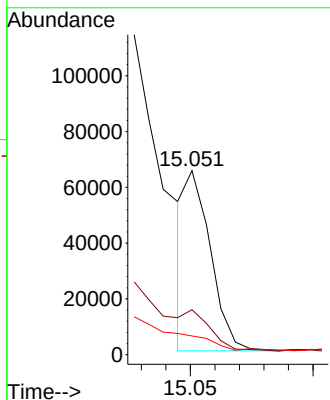
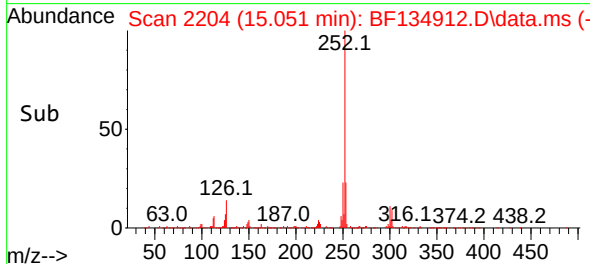
Instrument :
BNA_F
ClientSampleId :
364



Tgt Ion:252 Resp: 45760
Ion Ratio Lower Upper
252 100
253 24.4 17.1 25.7
125 10.2 8.0 12.0

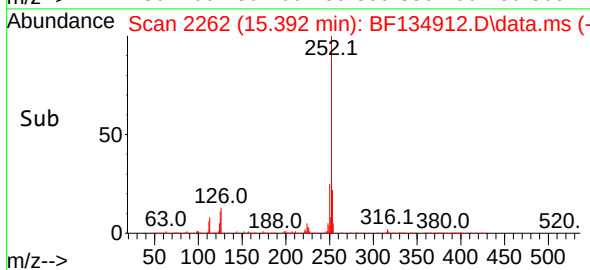
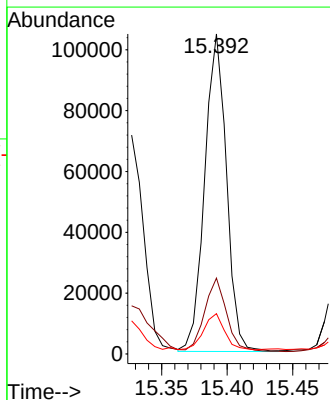
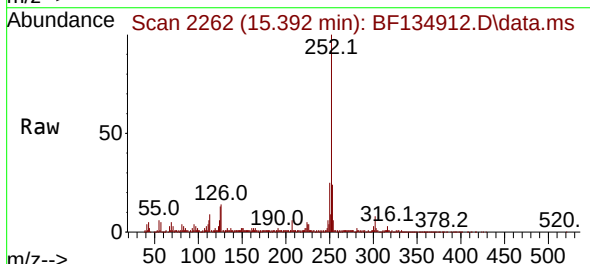
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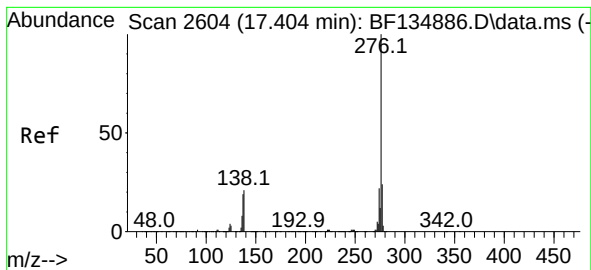
Reviewed By :Yogesh Patel 08/24/2023
Supervised By :mohammad ahmed 08/24/2023



#90
Benzo(a)pyrene
Concen: 11.757 ng
RT: 15.392 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF134912.D
Acq: 23 Aug 2023 19:18

Tgt Ion:252 Resp: 120812
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 12.6 8.4 12.6





#92

Benzo(g,h,i)perylene

Concen: 5.503 ng

RT: 17.398 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134912.D

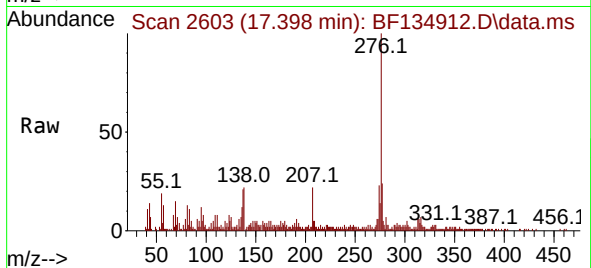
Acq: 23 Aug 2023 19:18

Instrument :

BNA_F

ClientSampleId :

364



Tgt Ion:276 Resp: 5944

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 21.8 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2023

Supervised By :mohammad ahmed 08/24/2023

