

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134233.D
 Acq On : 12 Jul 2023 02:17
 Operator : CG\JU
 Sample : 03570-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-071023

Quant Time: Jul 12 03:55:53 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	94817	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	328164	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	135408	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	240836	20.000	ng	0.00
76) Chrysene-d12	14.045	240	146539	20.000	ng	0.00
86) Perylene-d12	15.557	264	119480	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	256599	45.269	ng	0.00
7) Phenol-d6	6.481	99	302892	43.451	ng	0.00
23) Nitrobenzene-d5	7.404	82	189098	31.062	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	70353	41.439	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	302444	32.474	ng	0.00
79) Terphenyl-d14	12.974	244	285847	31.394	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.745	152	41922	3.088	ng	97
58) Fluorene	10.433	166	39464	4.120	ng	95
71) Phenanthrene	11.404	178	339309	27.986	ng	98
72) Anthracene	11.457	178	88577	7.024	ng	99
73) Carbazole	11.616	167	26636	2.308	ng	99
75) Fluoranthene	12.604	202	417655	31.864	ng	97
78) Pyrene	12.833	202	412757	30.266	ng	99
81) Benzo(a)anthracene	14.033	228	155244	15.276	ng	96
83) Chrysene	14.068	228	127259	12.929	ng	97
87) Indeno(1,2,3-cd)pyrene	17.109	276	57525	6.938	ng	# 92
88) Benzo(b)fluoranthene	15.110	252	135195m	19.243	ng	
89) Benzo(k)fluoranthene	15.133	252	37259m	5.209	ng	
90) Benzo(a)pyrene	15.486	252	99470	14.642	ng	# 96
91) Dibenzo(a,h)anthracene	17.109	278	13953	2.060	ng	# 58
92) Benzo(g,h,i)perylene	17.580	276	58867	8.430	ng	96

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

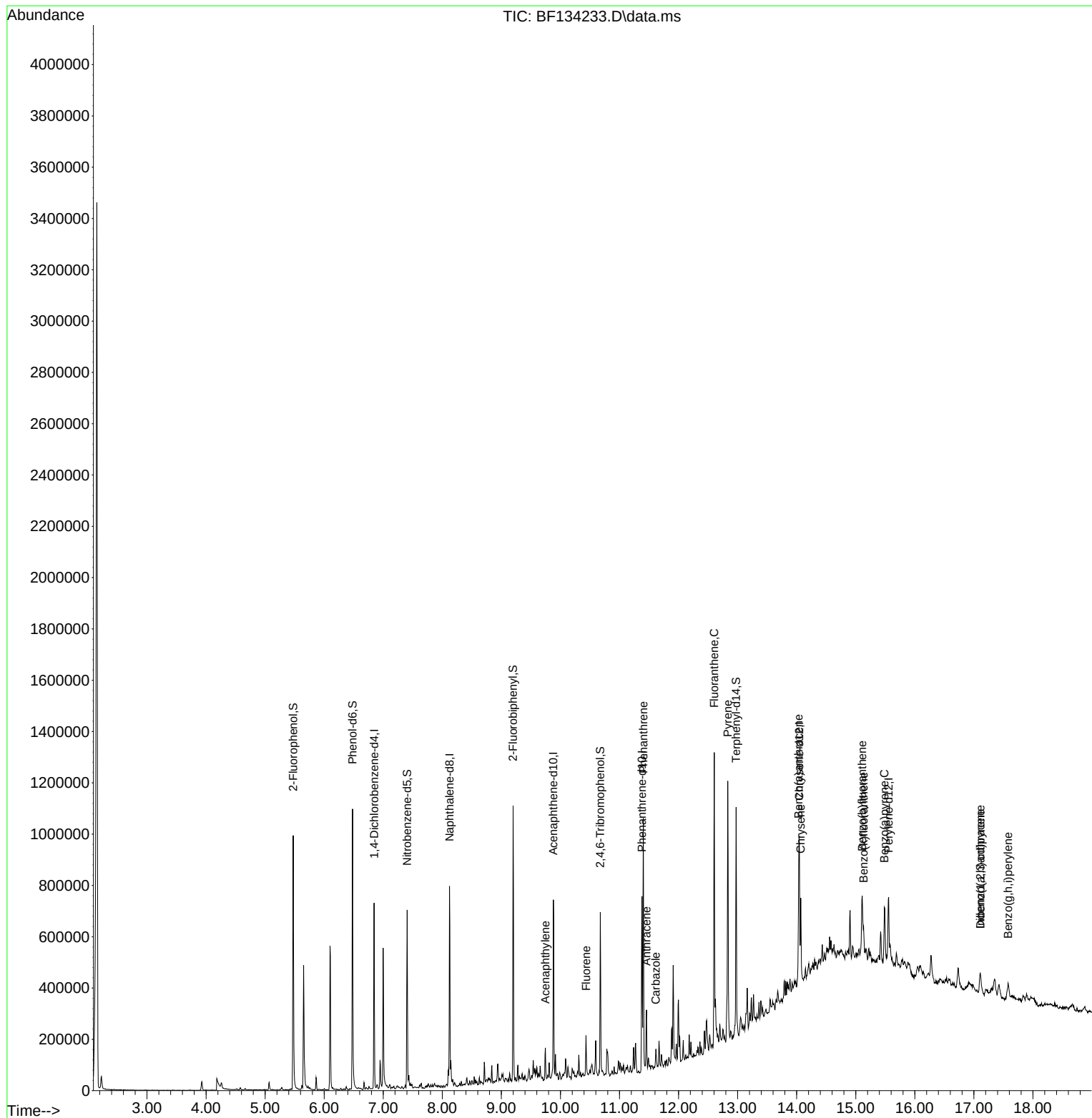
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134233.D
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Sample : 03570-03 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

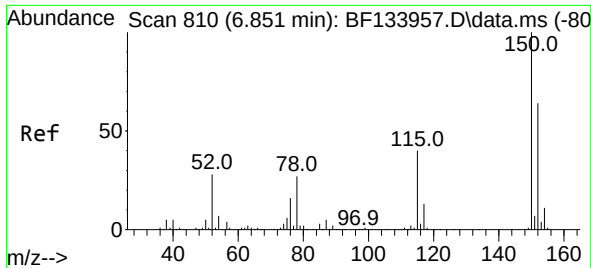
Instrument :
BNA_F
ClientSampleId :
EO-01-071023

Quant Time: Jul 12 03:55:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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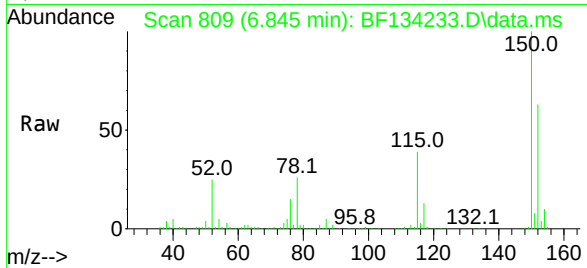
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

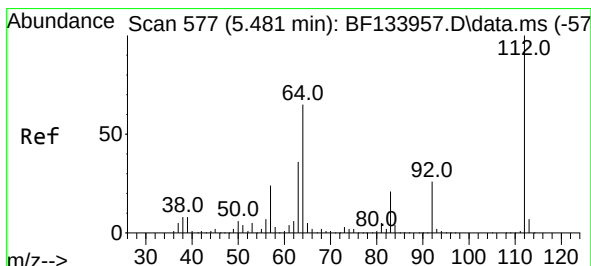
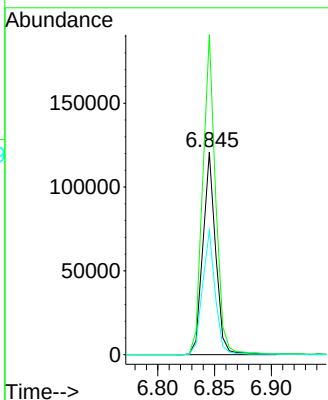
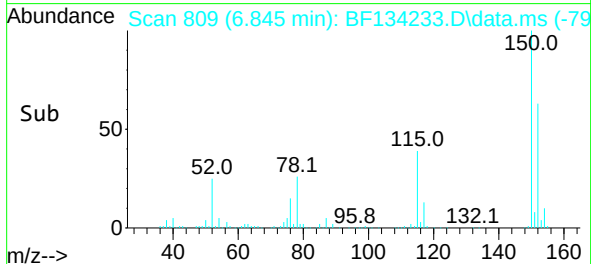
Instrument :
BNA_F
ClientSampleId :
EO-01-071023



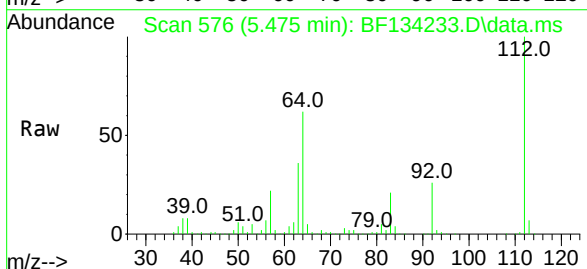
Tgt Ion:152 Resp: 9481
Ion Ratio Lower Upper
152 100
150 158.0 124.5 186.7
115 61.3 50.2 75.2

Manual Integrations
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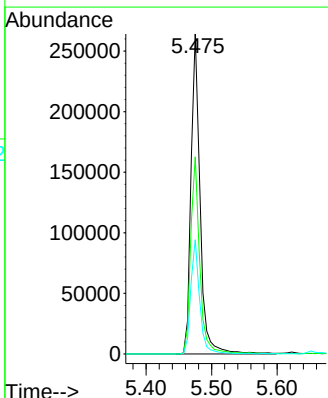
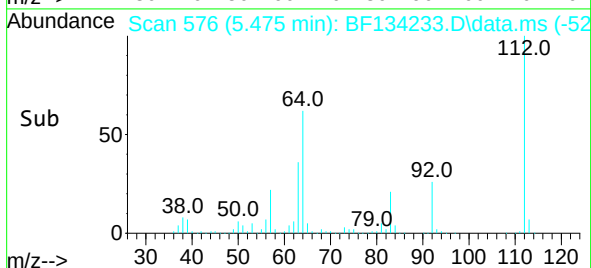
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

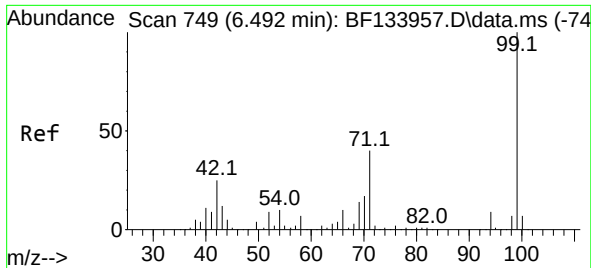


#5
2-Fluorophenol
Concen: 45.269 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17



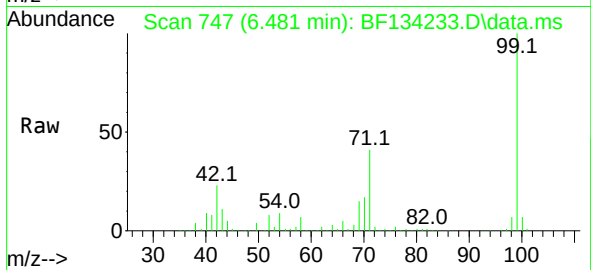
Tgt Ion:112 Resp: 256599
Ion Ratio Lower Upper
112 100
64 61.6 52.1 78.1
63 35.7 28.6 42.8





#7
Phenol-d6
Concen: 43.451 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

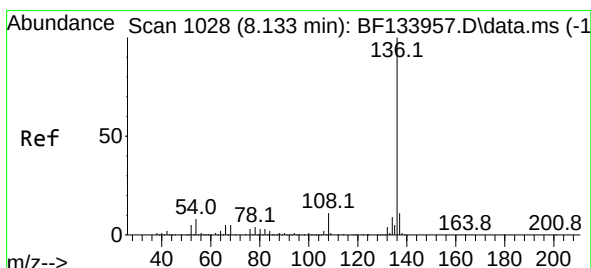
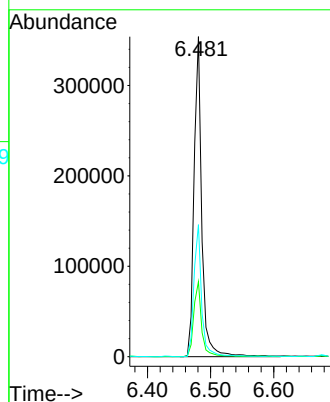
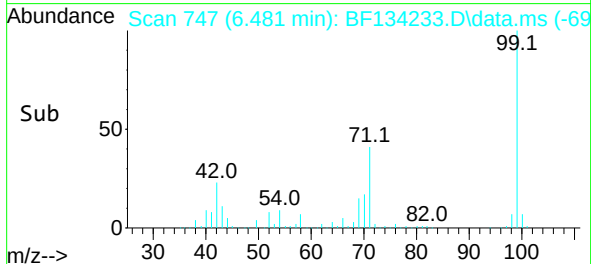
Instrument :
BNA_F
ClientSampleId :
EO-01-071023



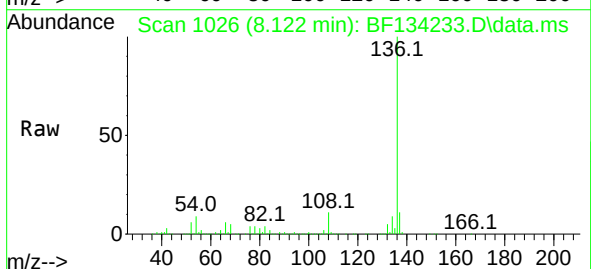
Tgt Ion: 99 Resp: 302892
Ion Ratio Lower Upper
99 100
42 23.4 19.8 29.6
71 41.2 31.9 47.9

Manual Integrations
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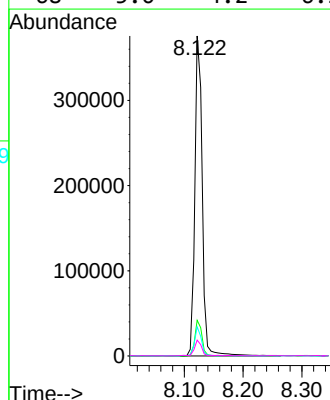
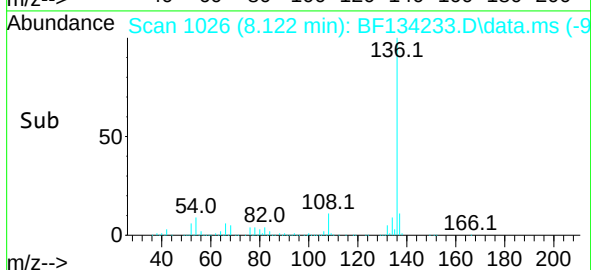
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

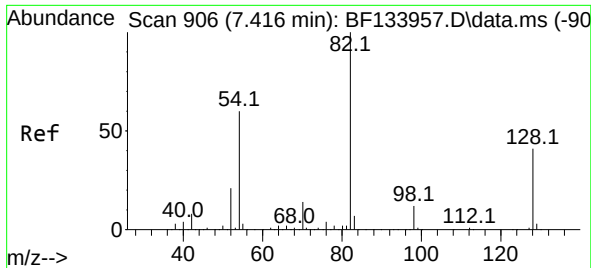


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17



Tgt Ion:136 Resp: 328164
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.1 6.5 9.7
68 5.0 4.2 6.2





#23
Nitrobenzene-d5
Concen: 31.062 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

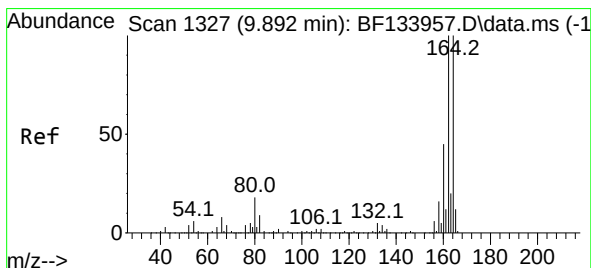
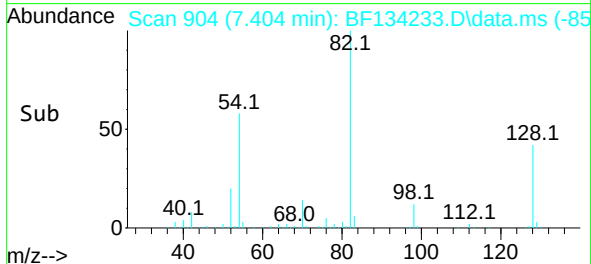
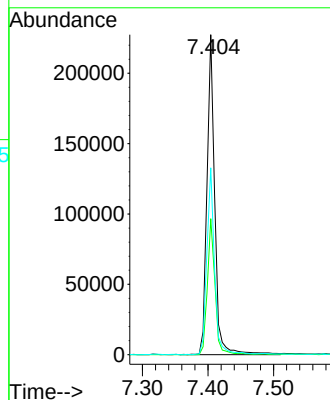
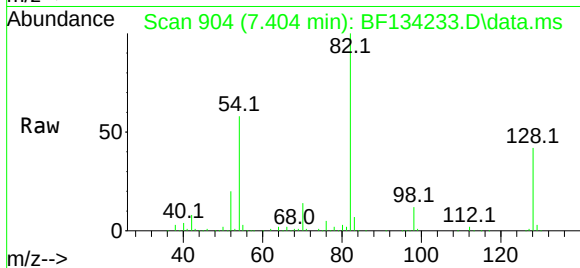
ClientSampleId :

EO-01-071023

Tgt Ion: 82 Resp: 189098
Ion Ratio Lower Upper
82 100
128 42.5 32.5 48.7
54 58.4 48.2 72.2

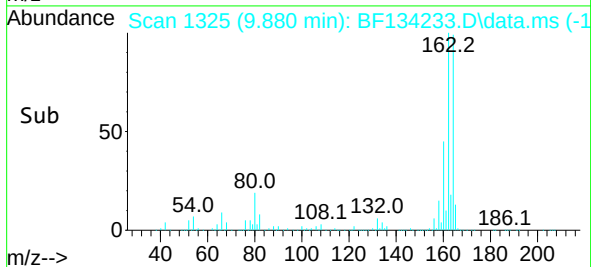
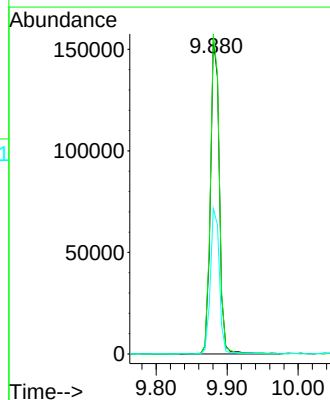
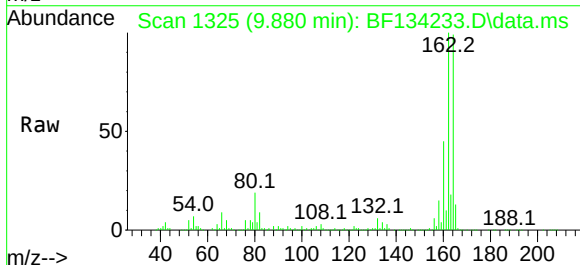
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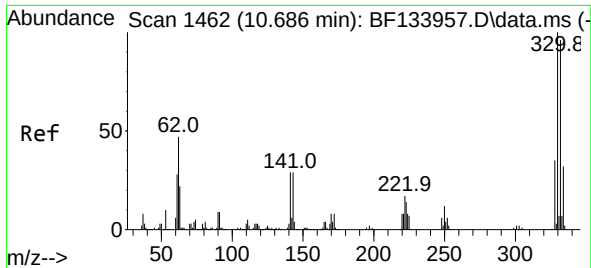
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

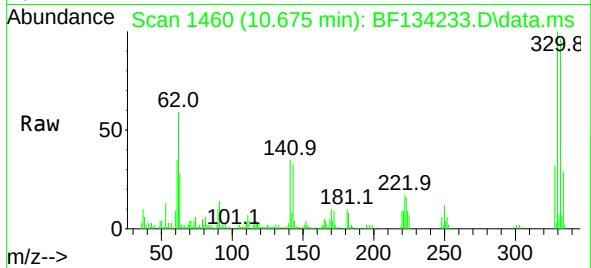
Tgt Ion:164 Resp: 135408
Ion Ratio Lower Upper
164 100
162 101.4 80.0 120.0
160 46.1 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 41.439 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

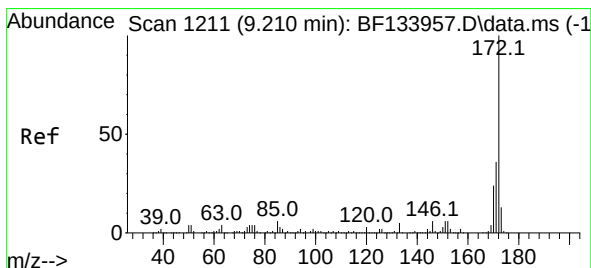
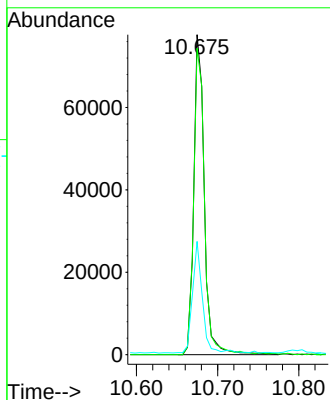
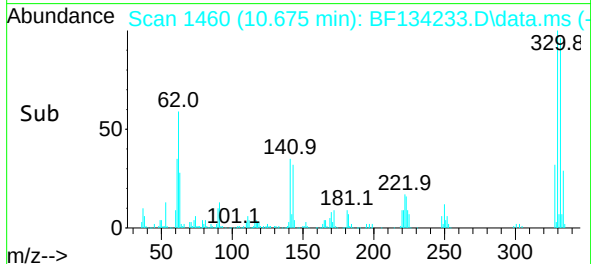
Instrument :
BNA_F
ClientSampleId :
EO-01-071023



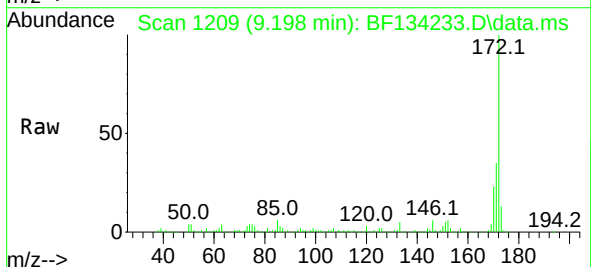
Tgt Ion: 330 Resp: 7035
Ion Ratio Lower Upper
330 100
332 99.1 77.0 115.6
141 31.9 26.3 39.5

Manual Integrations
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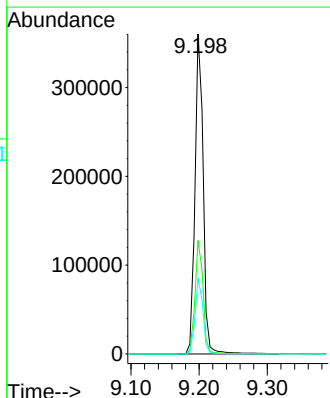
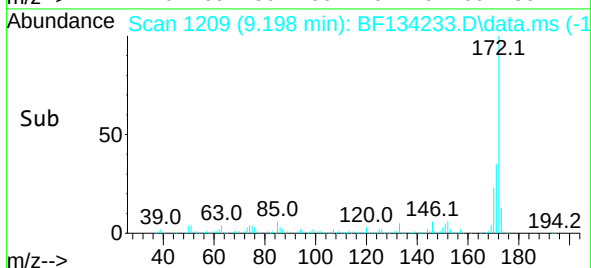
Reviewed By : Yogesh Patel 07/12/2023
Supervised By : mohammad ahmed 07/12/2023

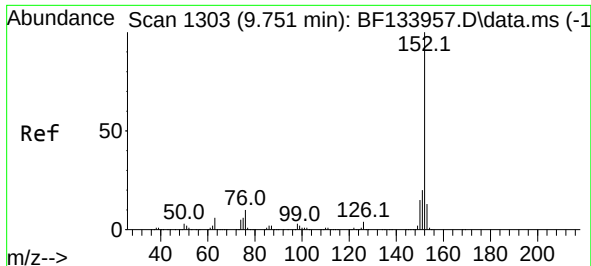


#45
2-Fluorobiphenyl
Concen: 32.474 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17



Tgt Ion: 172 Resp: 302444
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.5 19.4 29.0





#49

Acenaphthylene

Concen: 3.088 ng

RT: 9.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

EO-01-071023

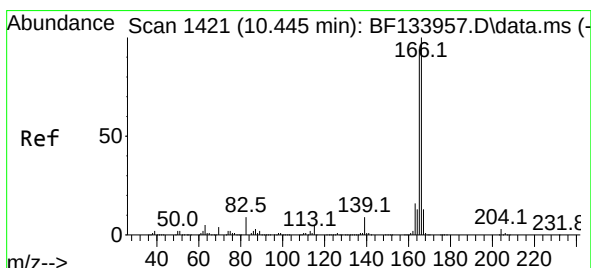
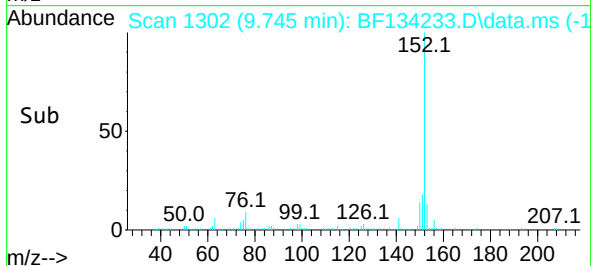
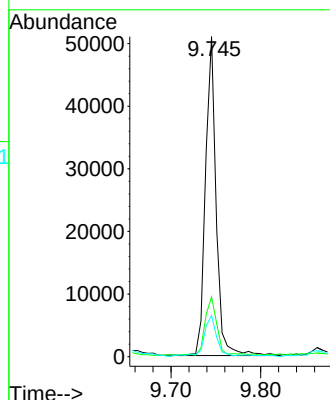
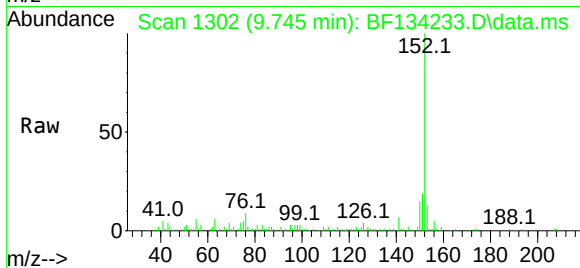
Tgt Ion:	152	Resp:	4192
Ion Ratio	Lower	Upper	
152	100		
151	18.6	16.2	24.2
153	12.9	10.8	16.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#58

Fluorene

Concen: 4.120 ng

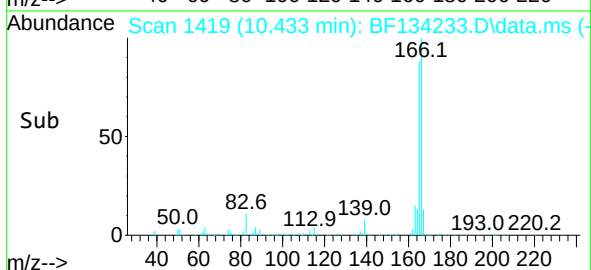
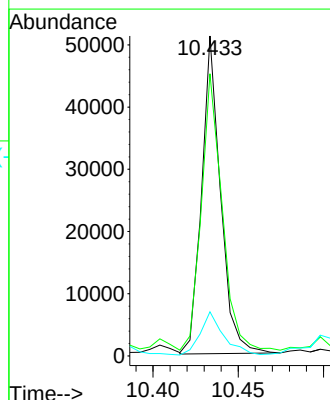
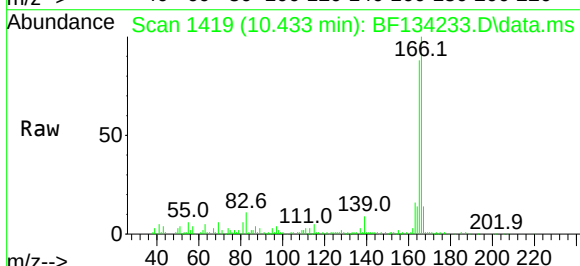
RT: 10.433 min Scan# 1419

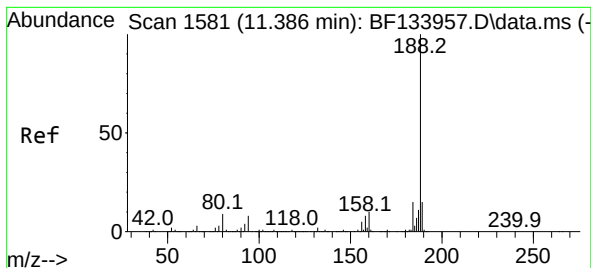
Delta R.T. -0.006 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

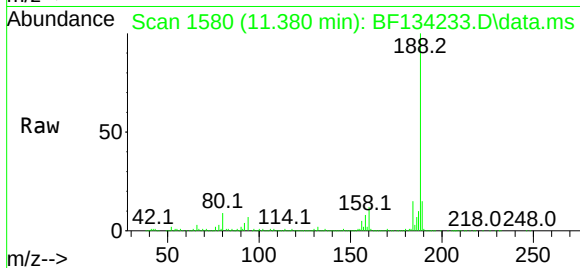
Tgt Ion:	166	Resp:	39464
Ion Ratio	Lower	Upper	
166	100		
165	88.2	75.0	112.4
167	13.8	10.6	15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

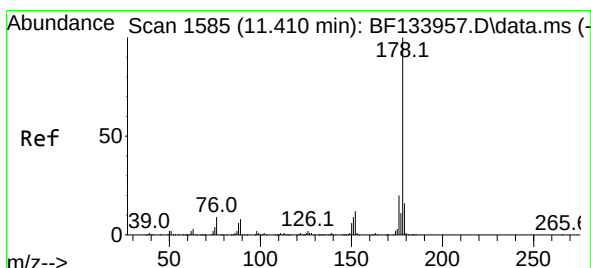
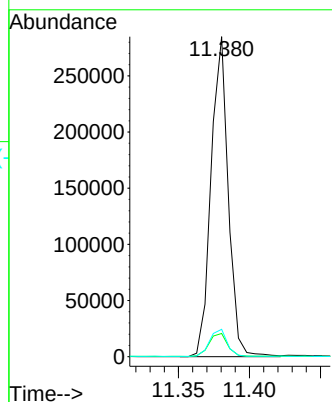
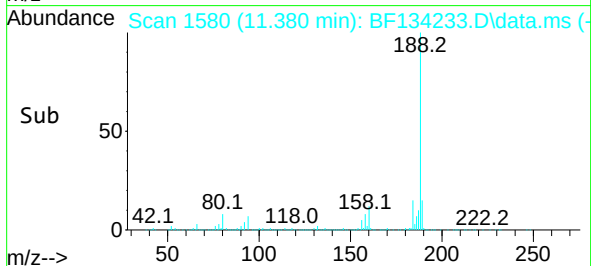
Instrument :
BNA_F
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EO-01-071023



Tgt Ion:188 Resp: 240830
Ion Ratio Lower Upper
188 100
94 7.3 6.4 9.6
80 8.6 7.3 10.9

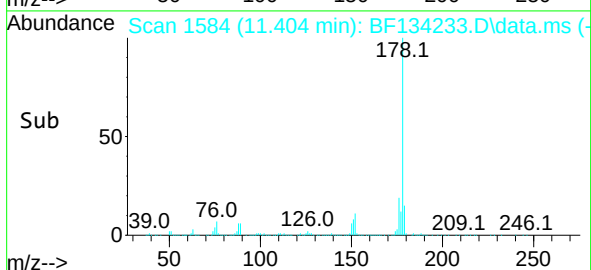
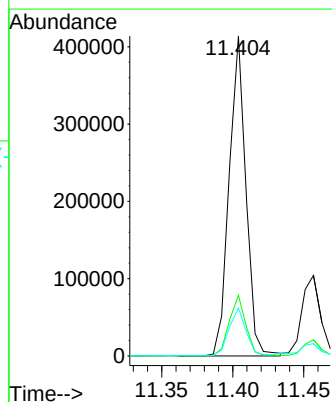
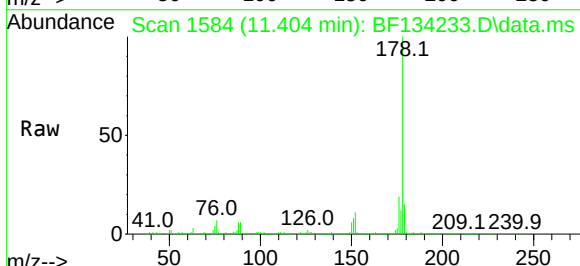
Manual Integrations
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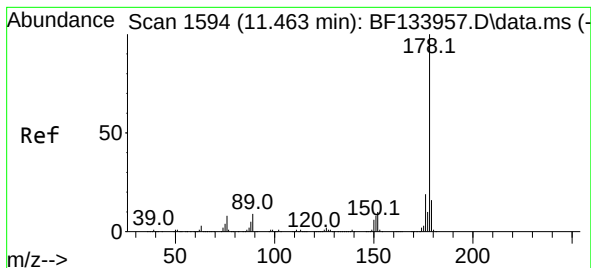
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#71
Phenanthrene
Concen: 27.986 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

Tgt Ion:178 Resp: 339309
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.0 12.4 18.6





#72

Anthracene

Concen: 7.024 ng

RT: 11.457 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

EO-01-071023

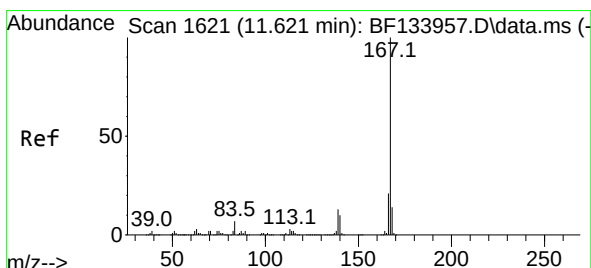
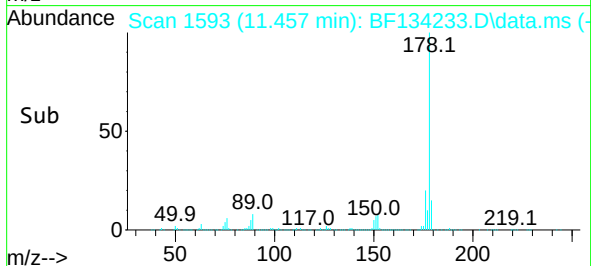
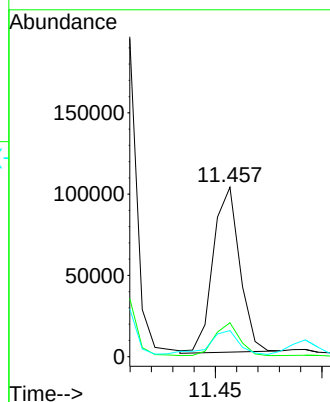
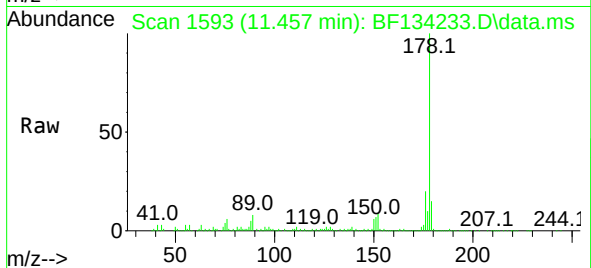
Tgt Ion:178 Resp: 8857
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.3 22.9
 179 15.4 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#73

Carbazole

Concen: 2.308 ng

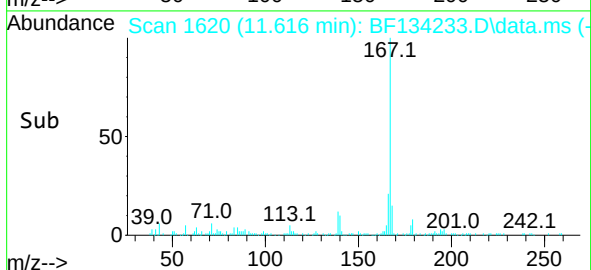
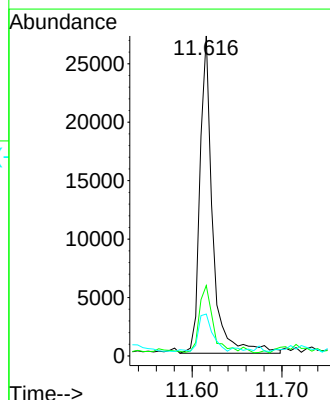
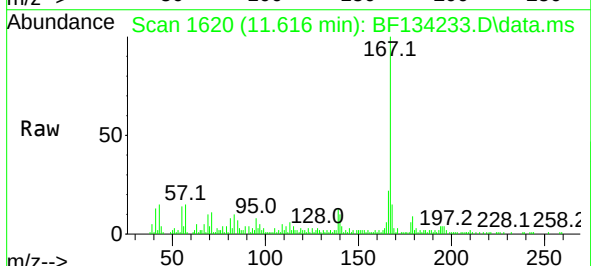
RT: 11.616 min Scan# 1620

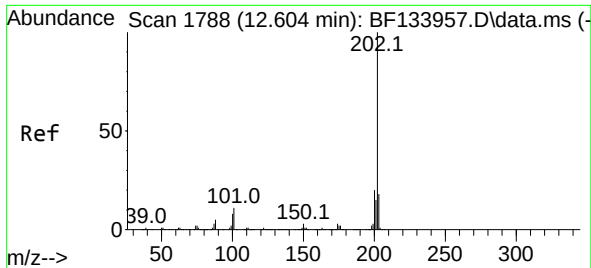
Delta R.T. 0.000 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

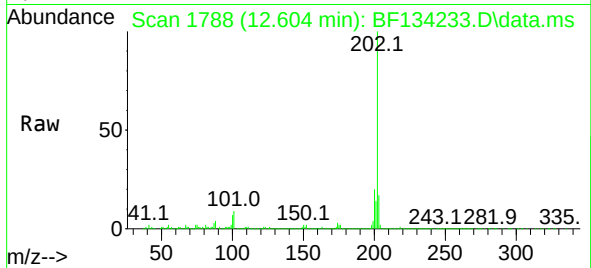
Tgt Ion:167 Resp: 26636
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.0 25.6
 139 13.1 10.4 15.6





#75
Fluoranthene
Concen: 31.864 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

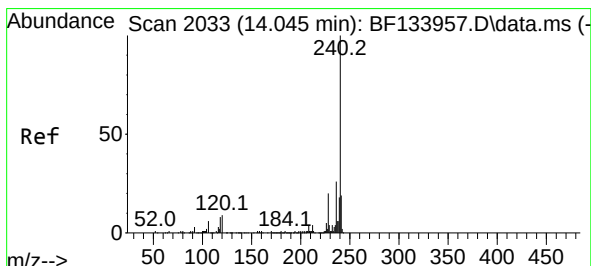
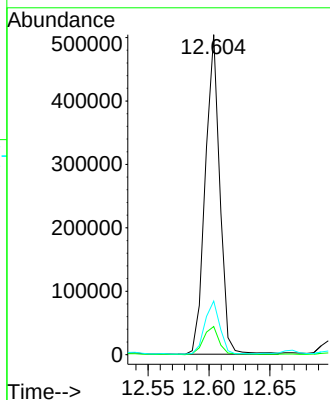
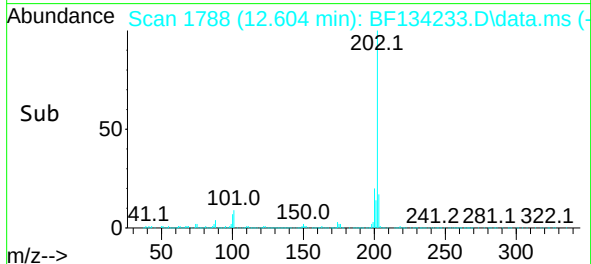
Instrument :
BNA_F
ClientSampleId :
EO-01-071023



Tgt Ion:202 Resp: 417658
Ion Ratio Lower Upper
202 100
101 8.8 0.0 31.0
203 16.8 0.0 37.6

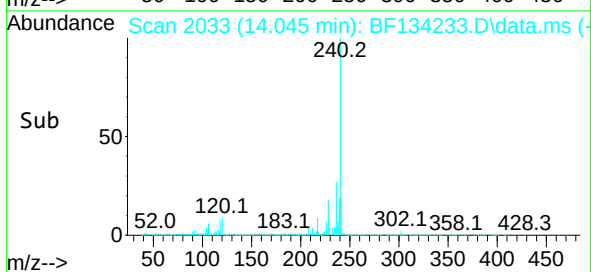
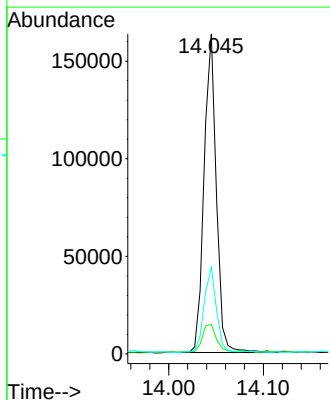
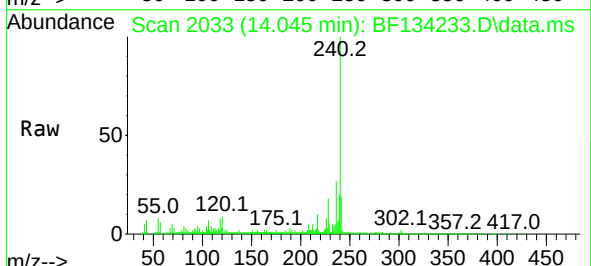
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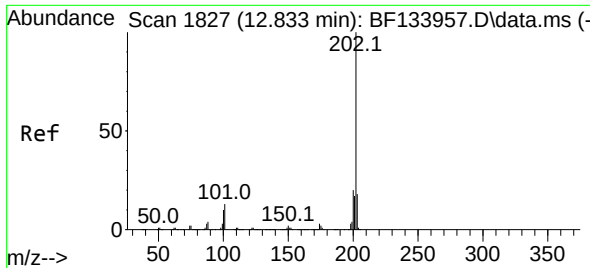
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF134233.D
Acq: 12 Jul 2023 02:17

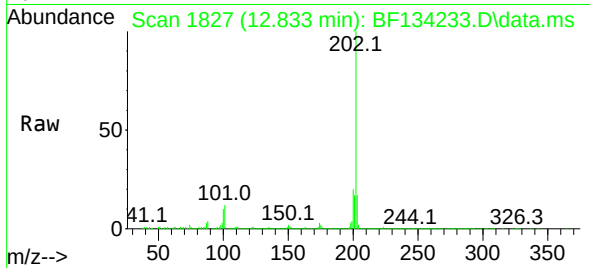
Tgt Ion:240 Resp: 146539
Ion Ratio Lower Upper
240 100
120 9.2 7.4 11.0
236 27.2 21.0 31.6





#78
 Pyrene
 Concen: 30.266 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. 0.000 min
 Lab File: BF134233.D
 Acq: 12 Jul 2023 02:17

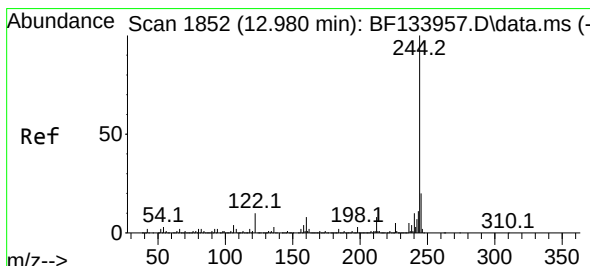
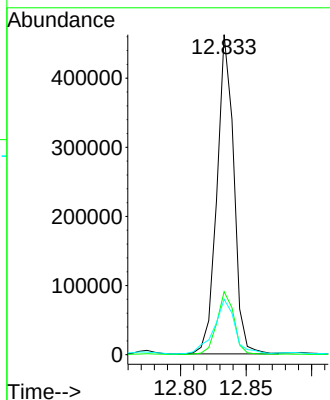
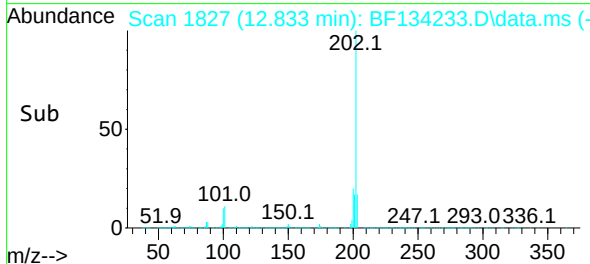
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-071023



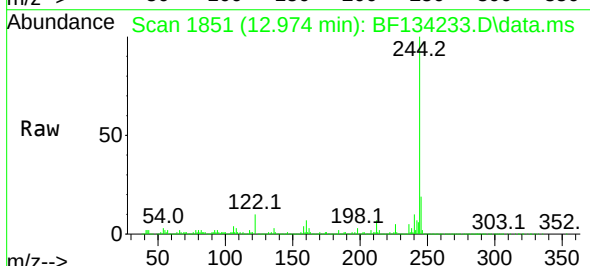
Tgt Ion:202 Resp: 41275
 Ion Ratio Lower Upper
 202 100
 200 19.7 16.1 24.1
 203 17.3 14.3 21.5

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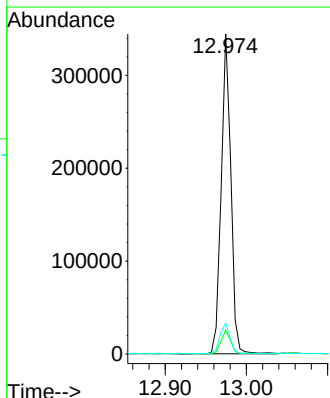
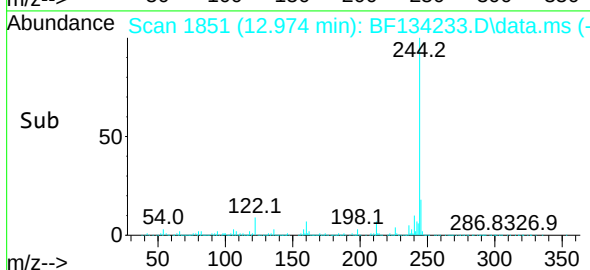
Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

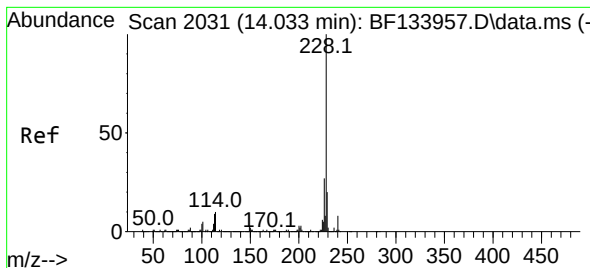


#79
 Terphenyl-d14
 Concen: 31.394 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF134233.D
 Acq: 12 Jul 2023 02:17



Tgt Ion:244 Resp: 285847
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 9.6 8.3 12.5





#81

Benzo(a)anthracene

Concen: 15.276 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

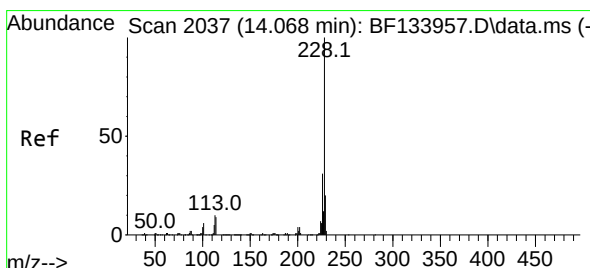
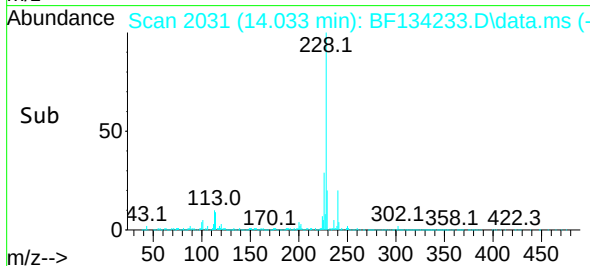
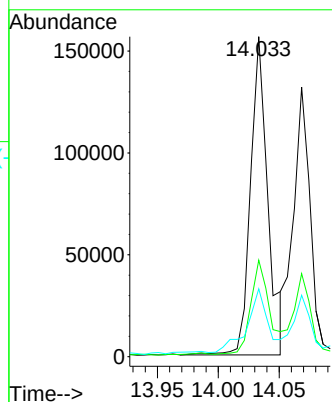
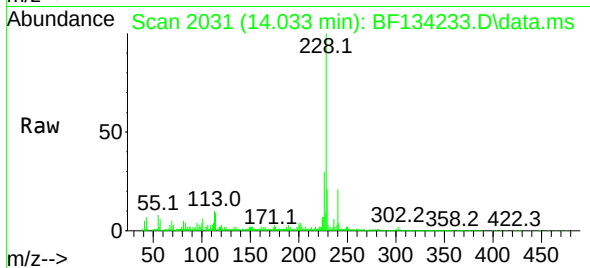
EO-01-071023

Tgt Ion:228 Resp: 155244
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.0 33.0
 229 21.2 16.3 24.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023



#83

Chrysene

Concen: 12.929 ng

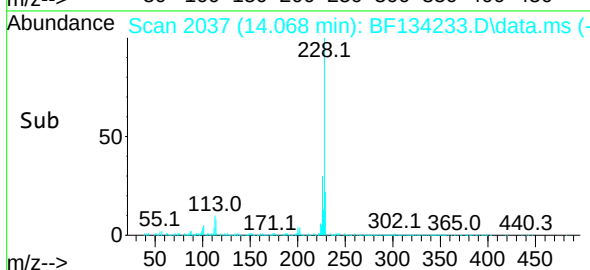
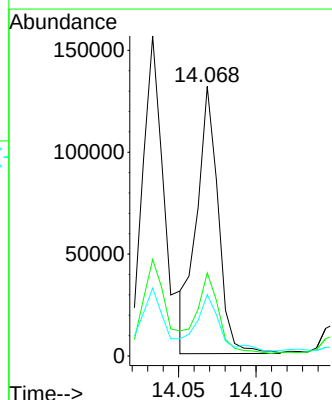
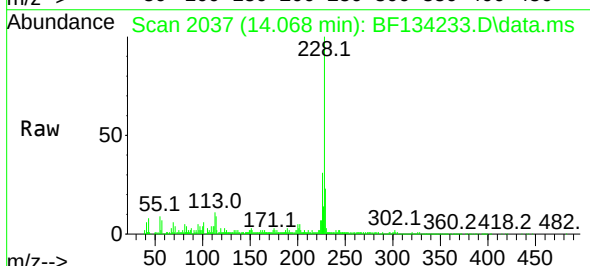
RT: 14.068 min Scan# 2037

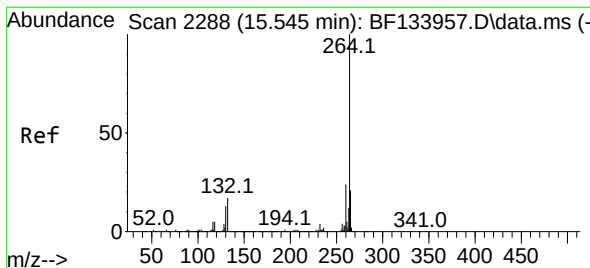
Delta R.T. 0.000 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Tgt Ion:228 Resp: 127259
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.4 36.6
 229 22.8 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

EO-01-071023

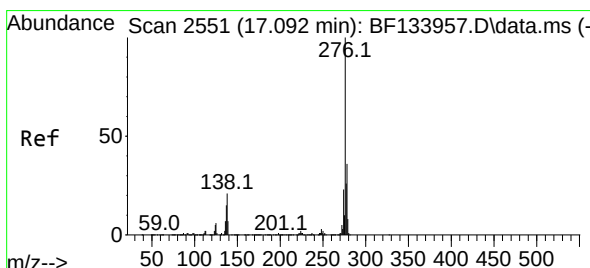
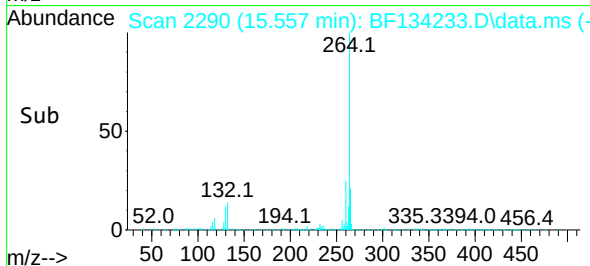
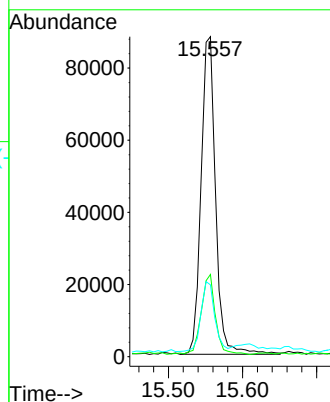
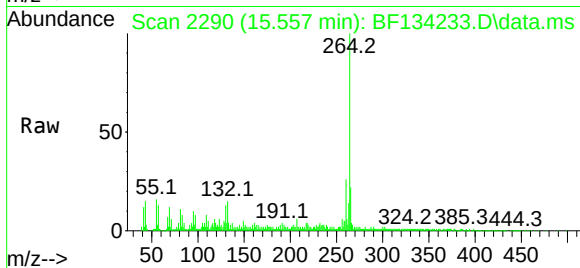
Tgt Ion:264 Resp: 119480
 Ion Ratio Lower Upper
 264 100
 260 25.7 19.5 29.3
 265 22.4 16.6 25.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.938 ng

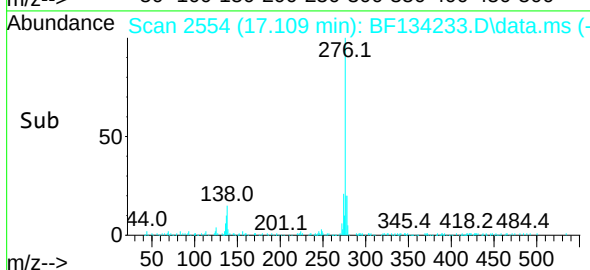
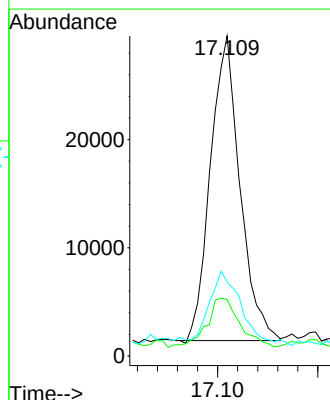
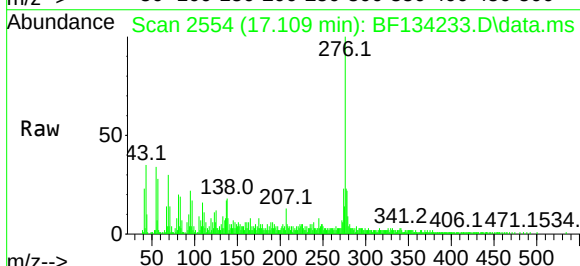
RT: 17.109 min Scan# 2554

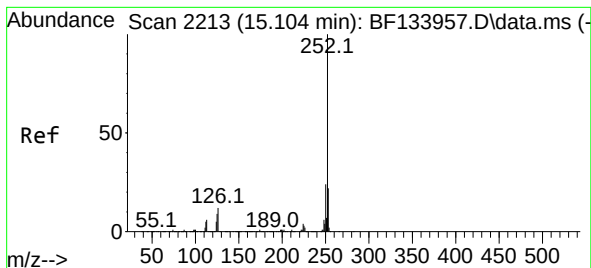
Delta R.T. 0.012 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Tgt Ion:276 Resp: 57525
 Ion Ratio Lower Upper
 276 100
 138 17.7 18.7 28.1#
 277 26.8 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 19.243 ng m

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNF

ClientSampleId :

EO-01-071023

Tgt Ion:252 Resp: 13519

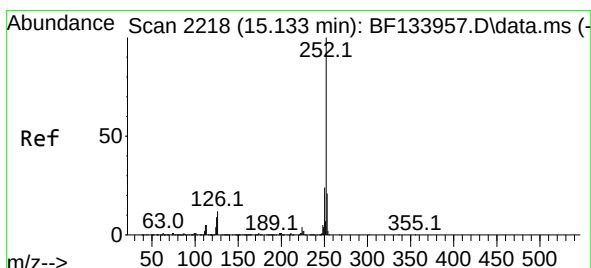
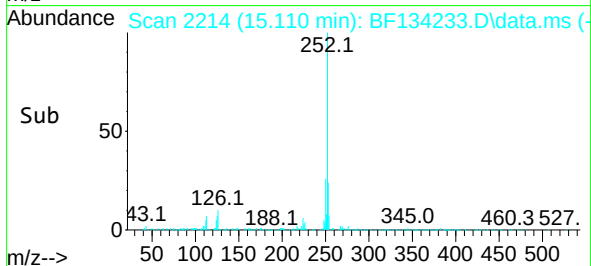
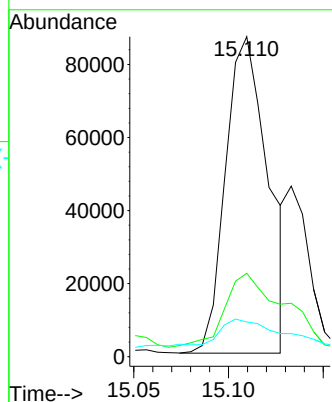
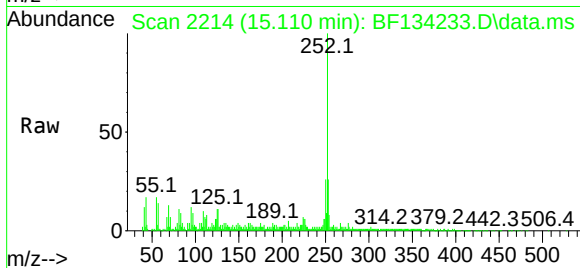
Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.0
125	10.9	7.1	10.7

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#89

Benzo(k)fluoranthene

Concen: 5.209 ng m

RT: 15.133 min Scan# 2218

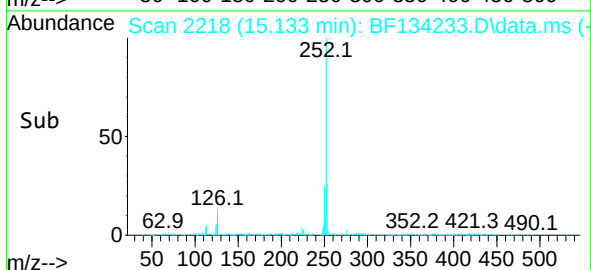
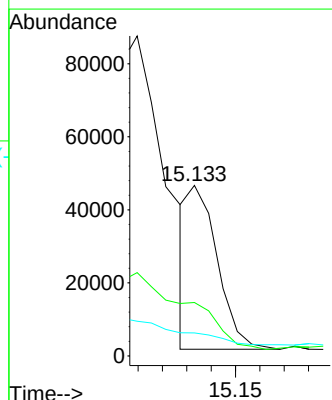
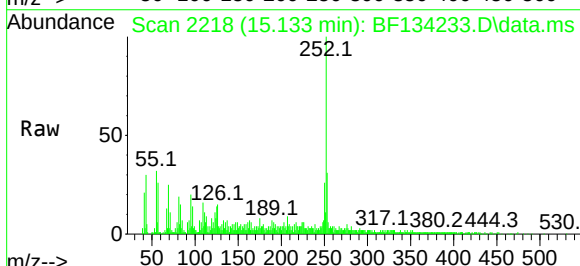
Delta R.T. 0.000 min

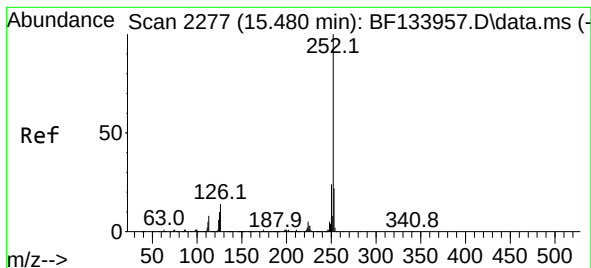
Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Tgt Ion:252 Resp: 37259

Ion	Ratio	Lower	Upper
252	100		
253	31.4	16.9	25.3
125	13.5	7.4	11.2





#90

Benzo(a)pyrene

Concen: 14.642 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Instrument :

BNF

ClientSampleId :

EO-01-071023

Tgt Ion:252 Resp: 99470

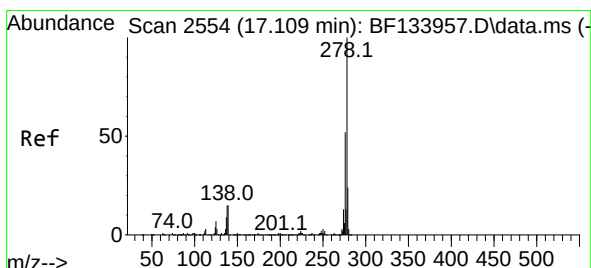
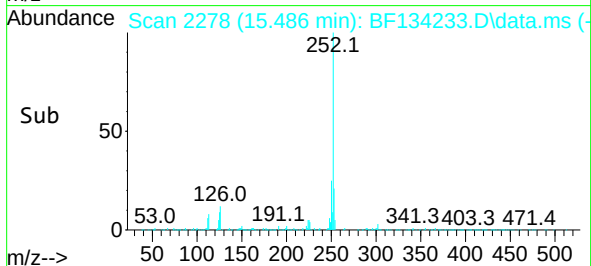
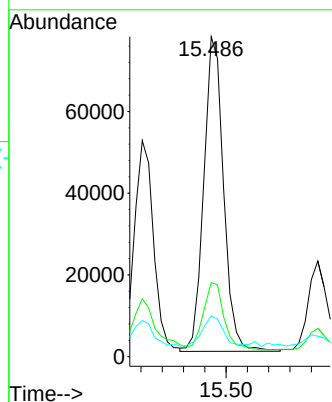
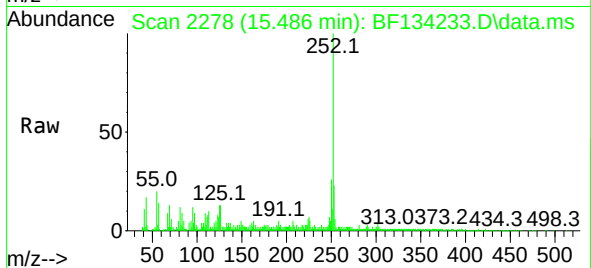
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	12.7	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.060 ng

RT: 17.109 min Scan# 2554

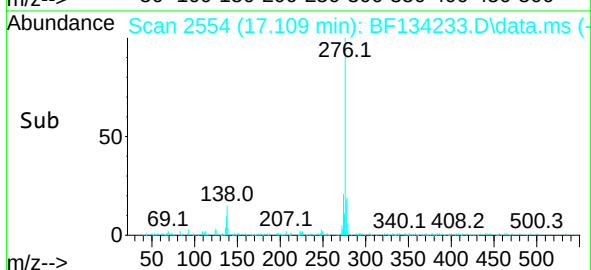
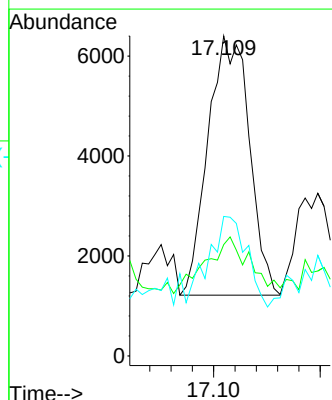
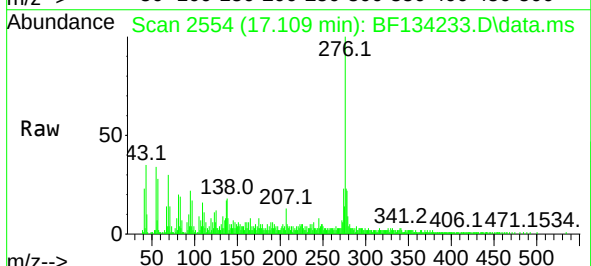
Delta R.T. -0.006 min

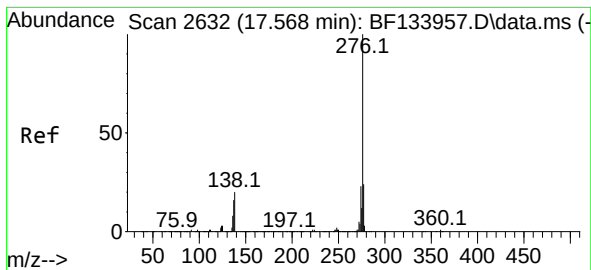
Lab File: BF134233.D

Acq: 12 Jul 2023 02:17

Tgt Ion:278 Resp: 13953

Ion	Ratio	Lower	Upper
278	100		
139	34.8	12.2	18.4#
279	43.6	19.4	29.2#





#92

Benzo(g,h,i)perylene

Concen: 8.430 ng

RT: 17.580 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF134233.D

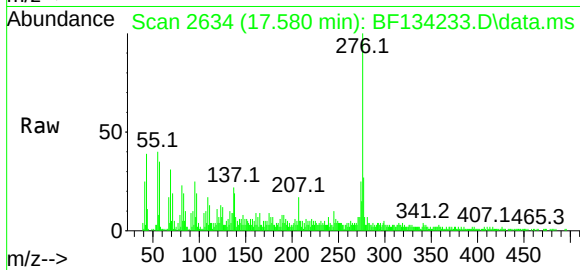
Acq: 12 Jul 2023 02:17

Instrument :

BNA_F

ClientSampleId :

EO-01-071023



Tgt Ion:276 Resp: 5886

Ion Ratio Lower Upper

276 100

277 26.8 19.0 28.6

138 19.1 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023

