

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134231.D
 Acq On : 12 Jul 2023 01:13
 Operator : CG\JU
 Sample : 03392-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RY-1

Manual Integrations
 APPROVED

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

Quant Time: Jul 12 01:59:21 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	93345	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	317385	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	129561	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	222349	20.000	ng	0.00
76) Chrysene-d12	14.039	240	173208	20.000	ng	0.00
86) Perylene-d12	15.545	264	127673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	240609	43.118	ng	0.00
7) Phenol-d6	6.475	99	272982	39.778	ng	-0.01
23) Nitrobenzene-d5	7.404	82	177822	30.202	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	58827	36.214	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	317441	35.622	ng	0.00
79) Terphenyl-d14	12.974	244	309346	28.744	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.739	152	33881	2.608	ng	97
71) Phenanthrene	11.398	178	44362	3.963	ng	98
72) Anthracene	11.451	178	25860	2.221	ng	100
75) Fluoranthene	12.598	202	152418	12.595	ng	98
78) Pyrene	12.827	202	165837	10.288	ng	99
81) Benzo(a)anthracene	14.027	228	85935m	7.154	ng	
83) Chrysene	14.063	228	86914	7.470	ng	96
87) Indeno(1,2,3-cd)pyrene	17.092	276	36704	4.143	ng	96
88) Benzo(b)fluoranthene	15.104	252	105608m	14.067	ng	
89) Benzo(k)fluoranthene	15.127	252	29788m	3.897	ng	
90) Benzo(a)pyrene	15.480	252	51978	7.160	ng	# 92
92) Benzo(g,h,i)perylene	17.568	276	36702	4.918	ng	99

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

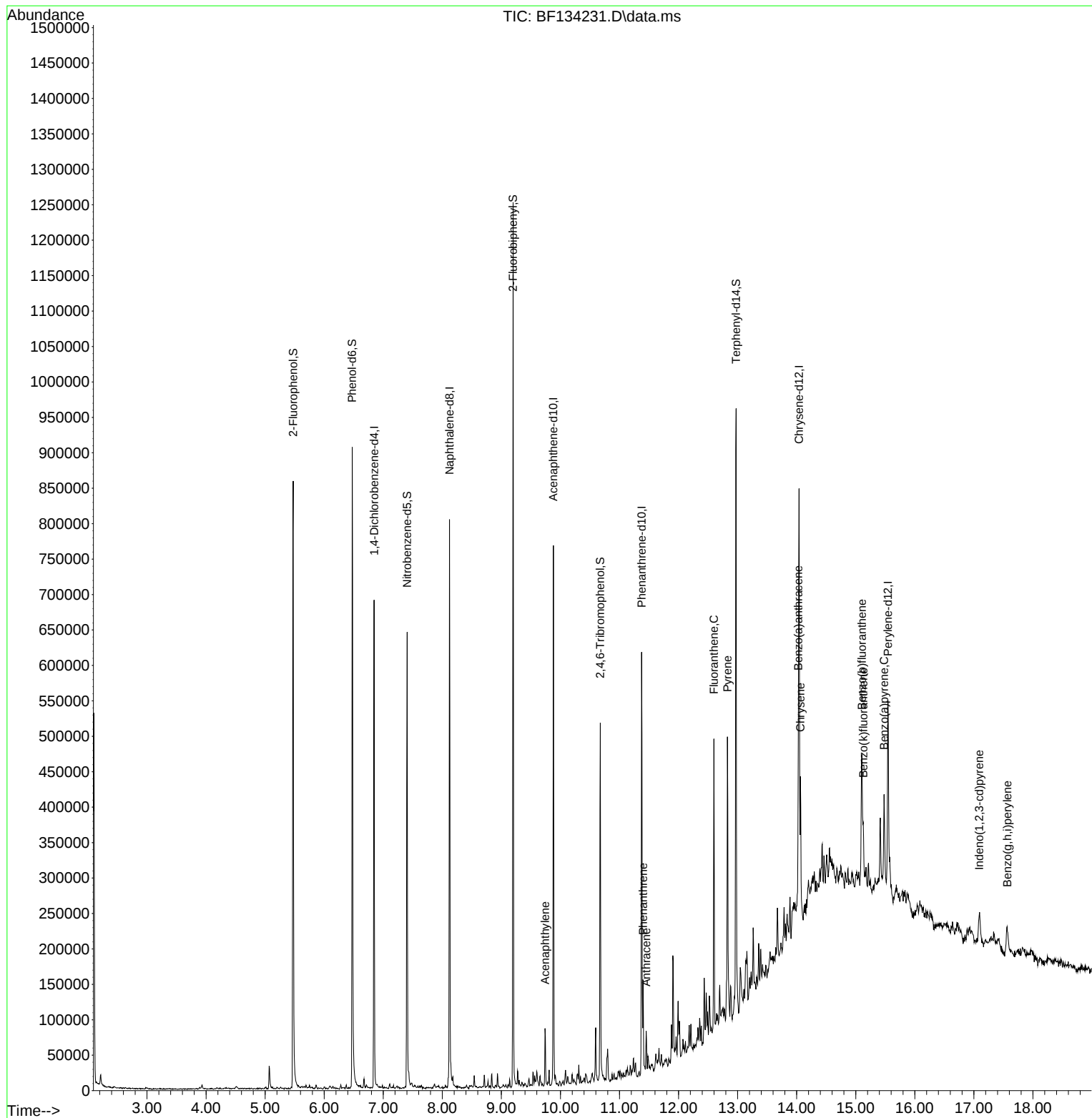
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
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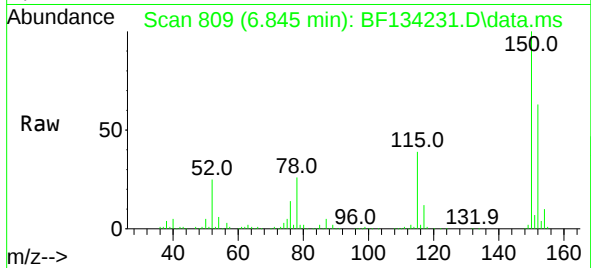
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

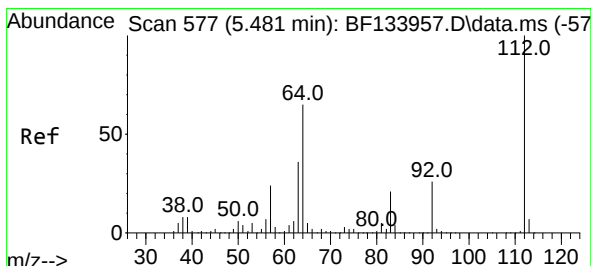
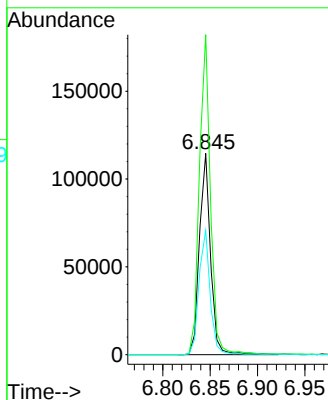
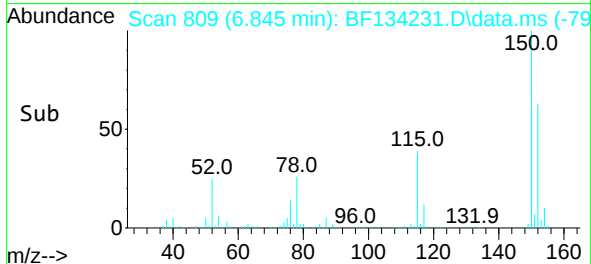
Instrument :
BNA_F
ClientSampleId :
RY-1



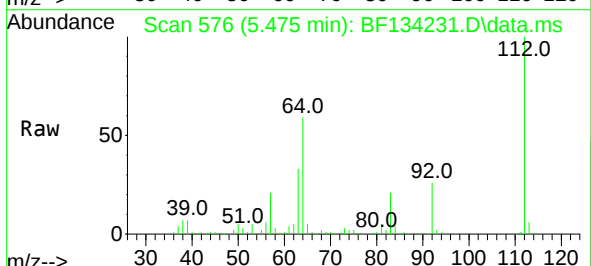
Tgt Ion:152 Resp: 93345
Ion Ratio Lower Upper
152 100
150 159.0 124.5 186.7
115 61.7 50.2 75.2

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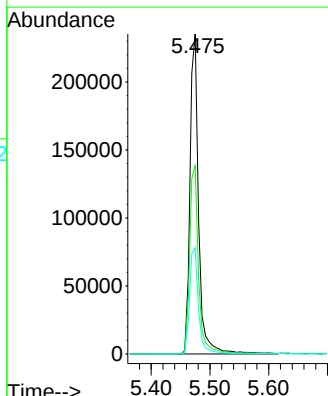
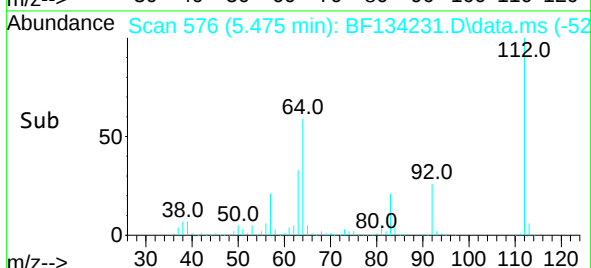
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#5
2-Fluorophenol
Concen: 43.118 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.000 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13



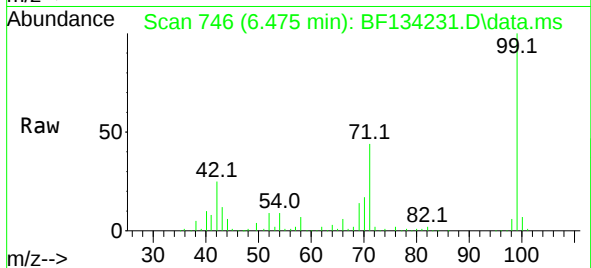
Tgt Ion:112 Resp: 240609
Ion Ratio Lower Upper
112 100
64 58.8 52.1 78.1
63 33.1 28.6 42.8





#7
Phenol-d6
Concen: 39.778 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

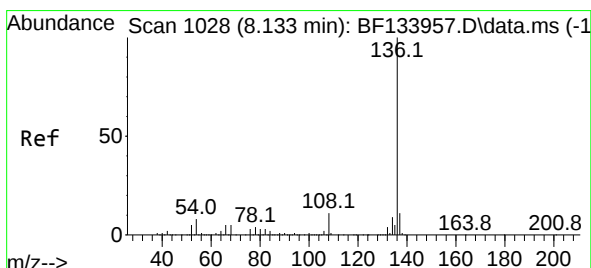
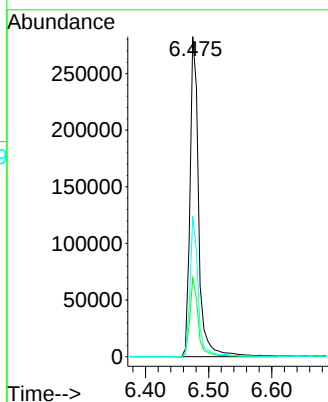
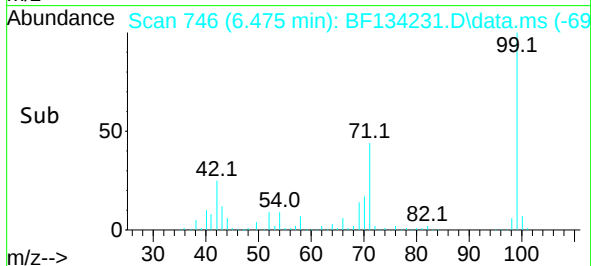
Instrument :
BNA_F
ClientSampleId :
RY-1



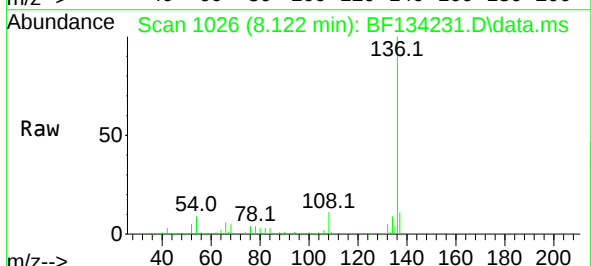
Tgt Ion: 99 Resp: 27298
Ion Ratio Lower Upper
99 100
42 24.6 19.8 29.6
71 43.9 31.9 47.9

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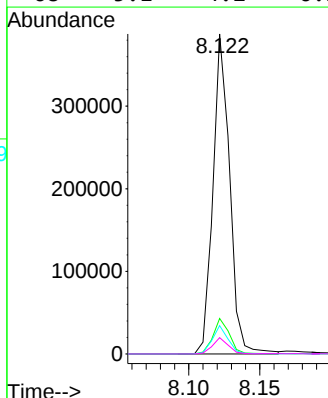
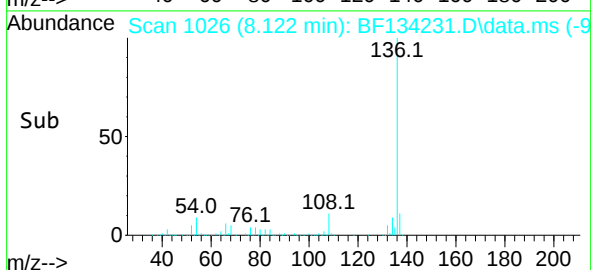
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

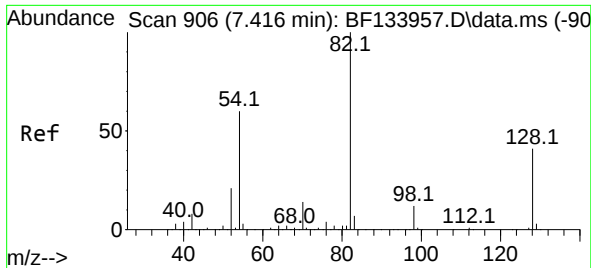


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13



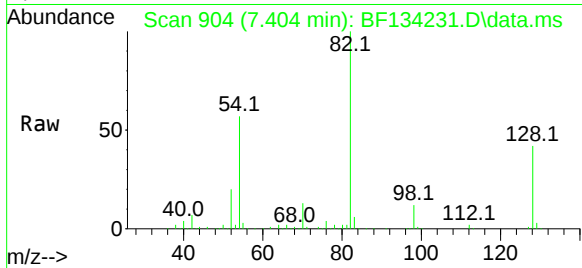
Tgt Ion:136 Resp: 317385
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.8 6.5 9.7
68 5.1 4.2 6.2





#23
Nitrobenzene-d5
Concen: 30.202 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

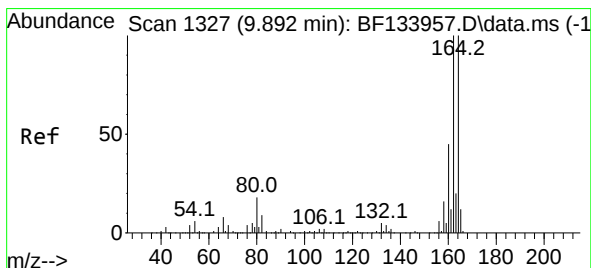
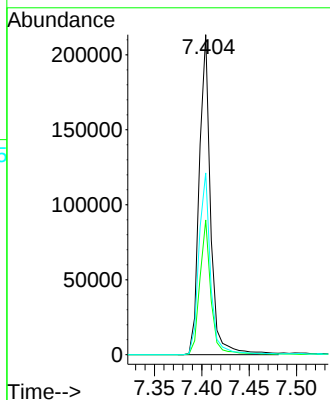
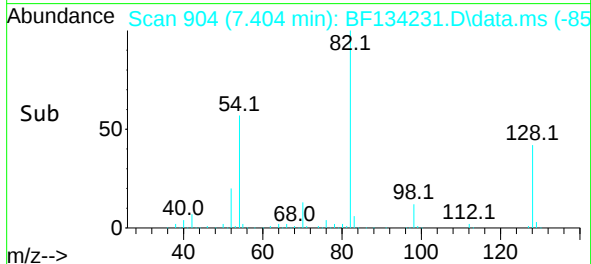
Instrument :
BNA_F
ClientSampleId :
RY-1



Tgt Ion: 82 Resp: 17782
Ion Ratio Lower Upper
82 100
128 42.1 32.5 48.7
54 56.8 48.2 72.2

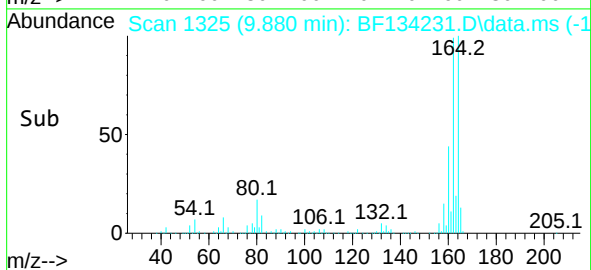
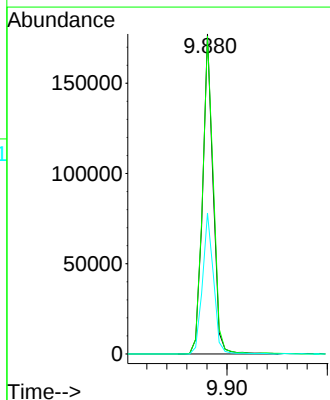
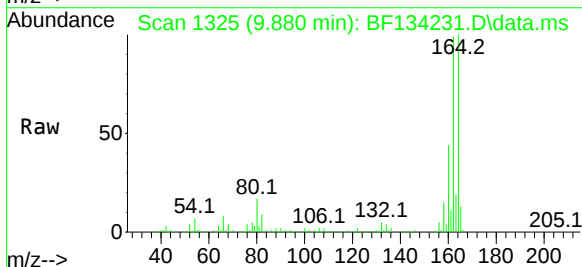
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Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Tgt Ion:164 Resp: 129561
Ion Ratio Lower Upper
164 100
162 99.2 80.0 120.0
160 44.0 35.9 53.9





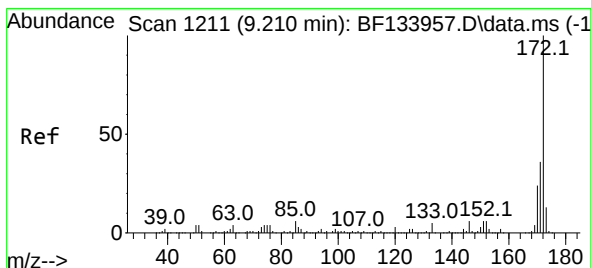
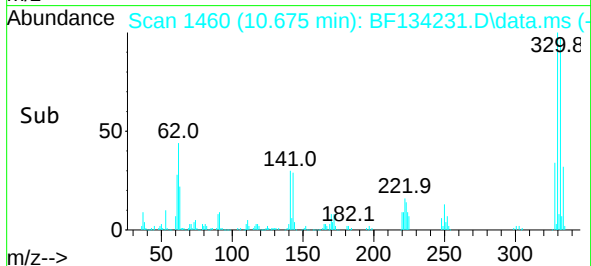
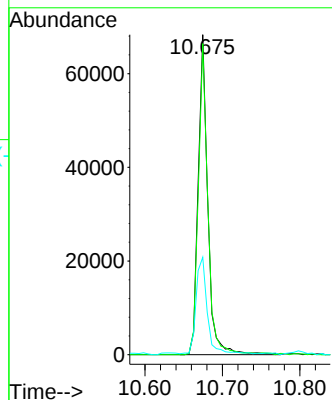
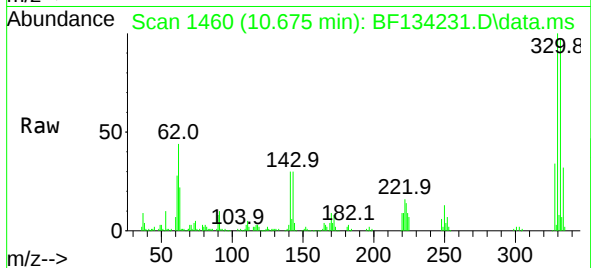
#42
2,4,6-Tribromophenol
Concen: 36.214 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Instrument :
BNA_F
ClientSampleId :
RY-1

Tgt Ion: 330 Resp: 5882
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 34.5 26.3 39.5

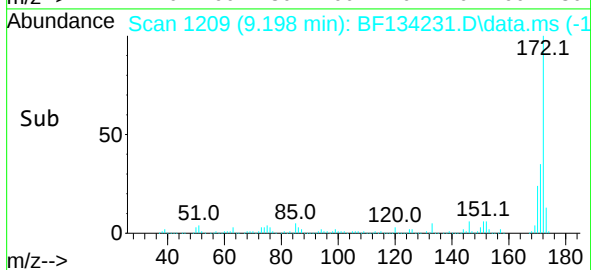
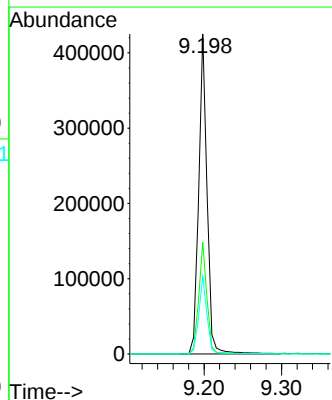
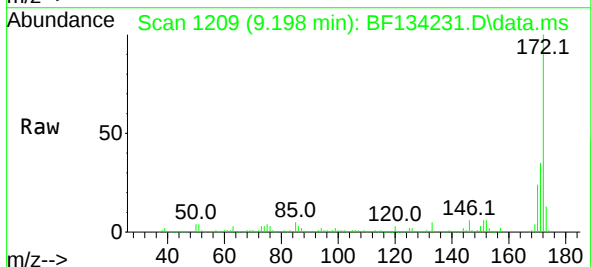
Manual Integrations
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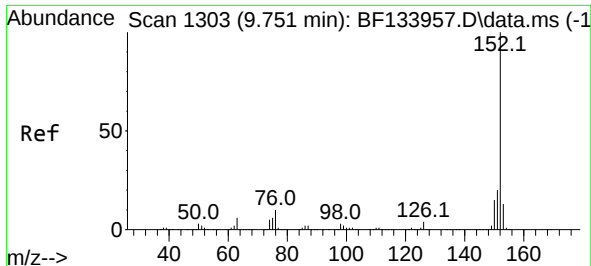
Reviewed By : Yogesh Patel 07/12/2023
Supervised By : mohammad ahmed 07/12/2023



#45
2-Fluorobiphenyl
Concen: 35.622 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Tgt Ion: 172 Resp: 317441
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 24.3 19.4 29.0





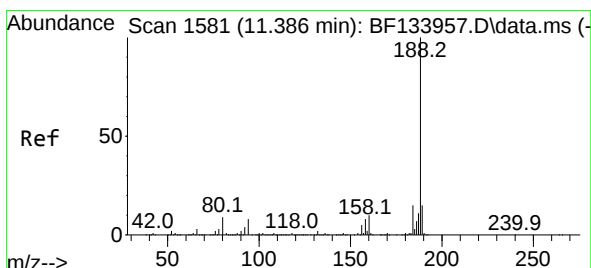
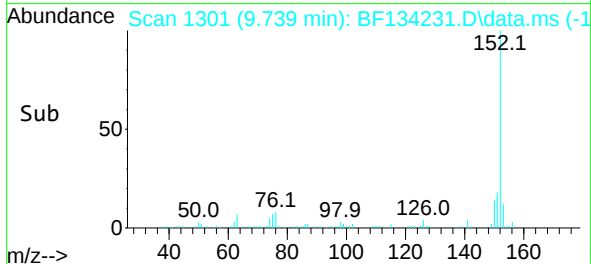
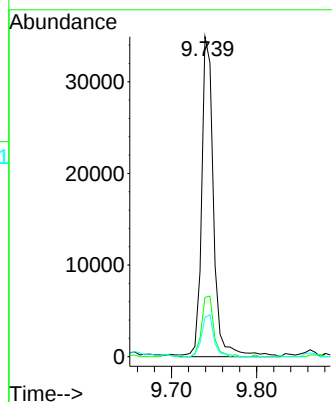
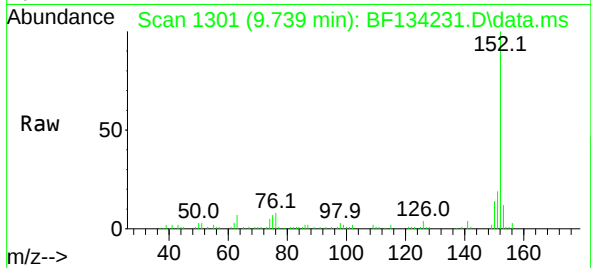
#49
Acenaphthylene
Concen: 2.608 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Instrument :
BNA_F
ClientSampleId :
RY-1

Tgt Ion:152 Resp: 3388
Ion Ratio Lower Upper
152 100
151 18.5 16.2 24.2
153 12.2 10.8 16.2

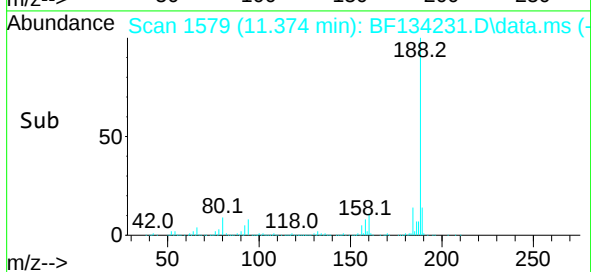
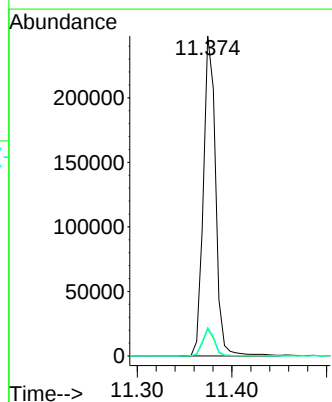
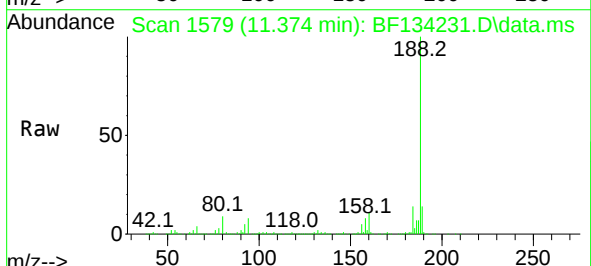
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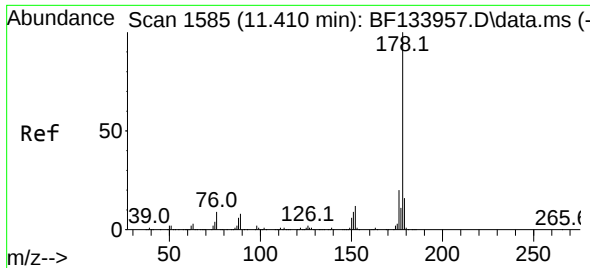
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Tgt Ion:188 Resp: 222349
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 8.9 7.3 10.9





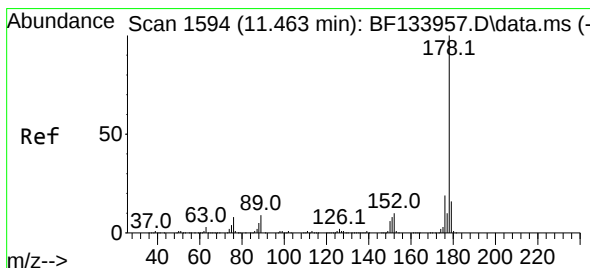
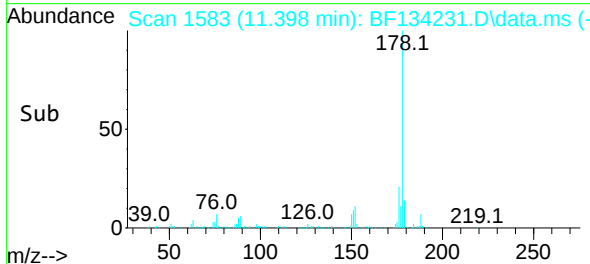
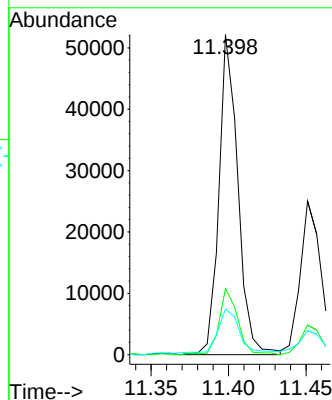
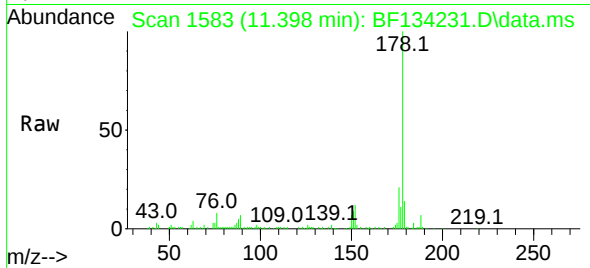
#71
Phenanthrene
Concen: 3.963 ng
RT: 11.398 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Instrument :
BNA_F
ClientSampleId :
RY-1

Tgt Ion:178 Resp: 44362
Ion Ratio Lower Upper
178 100
176 20.6 16.0 24.0
179 14.3 12.4 18.6

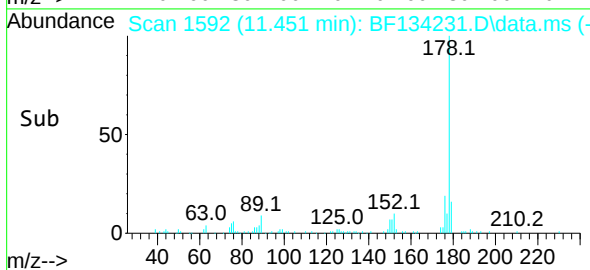
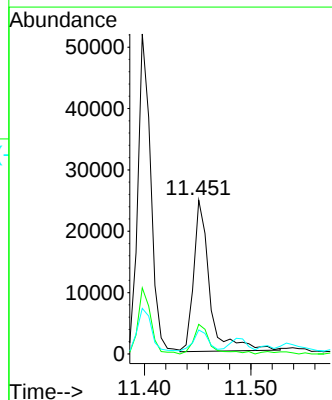
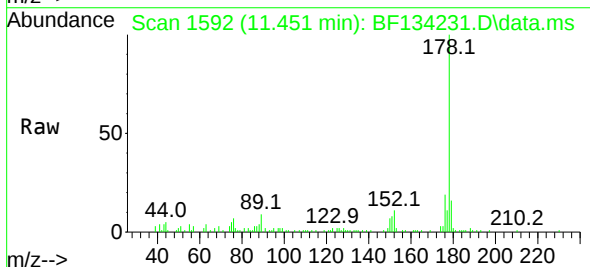
Manual Integrations
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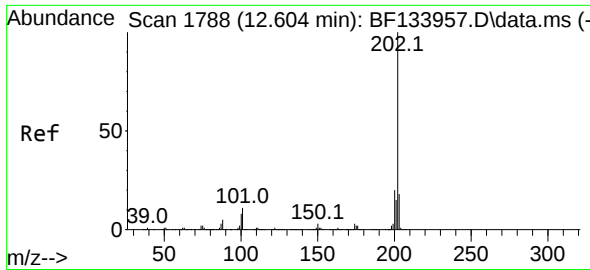
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#72
Anthracene
Concen: 2.221 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

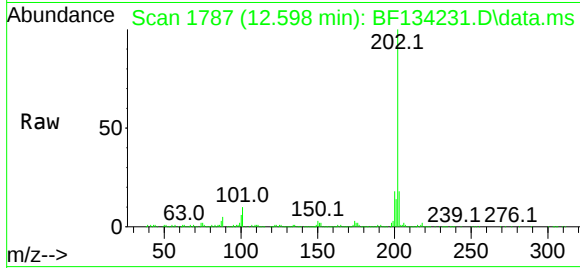
Tgt Ion:178 Resp: 25860
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.6 12.4 18.6





#75
Fluoranthene
Concen: 12.595 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

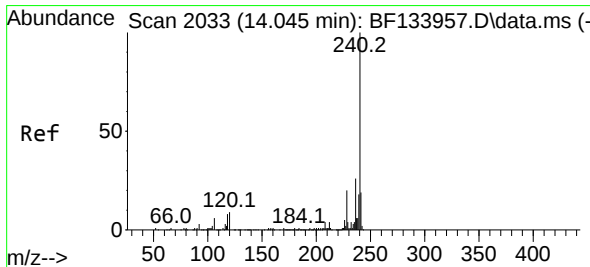
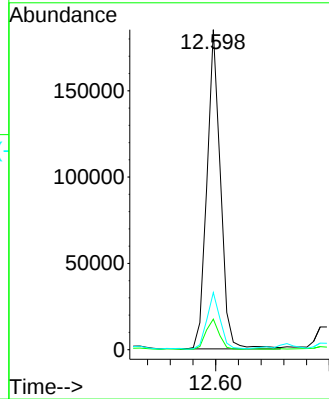
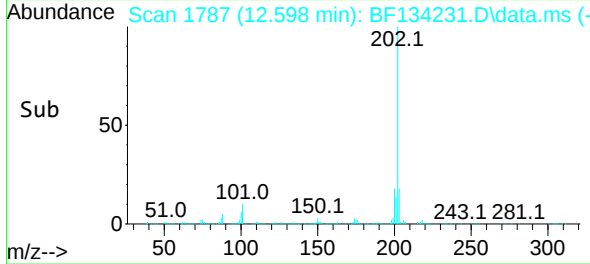
Instrument :
BNA_F
ClientSampleId :
RY-1



Tgt Ion:202 Resp: 152418
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 17.8 0.0 37.6

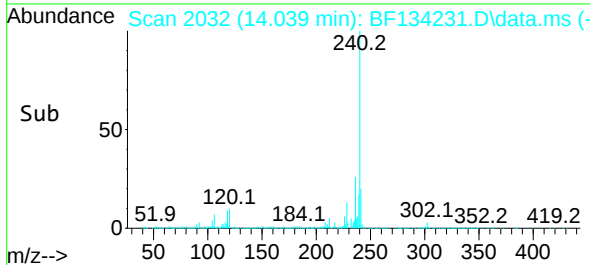
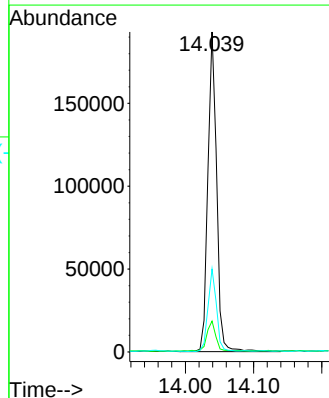
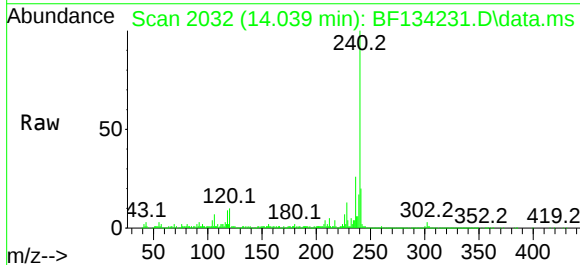
Manual Integrations
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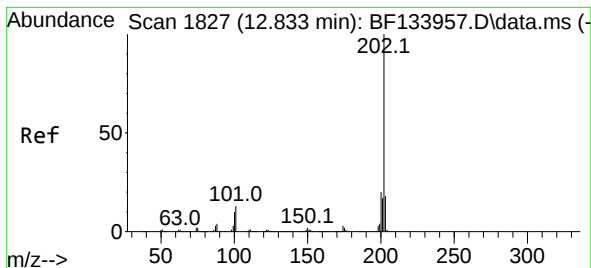
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Tgt Ion:240 Resp: 173208
Ion Ratio Lower Upper
240 100
120 9.7 7.4 11.0
236 25.9 21.0 31.6





#78

Pyrene

Concen: 10.288 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Instrument :

BNA_F

ClientSampleId :

RY-1

Tgt Ion:202 Resp: 16583

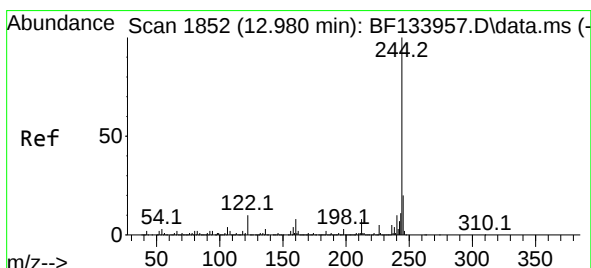
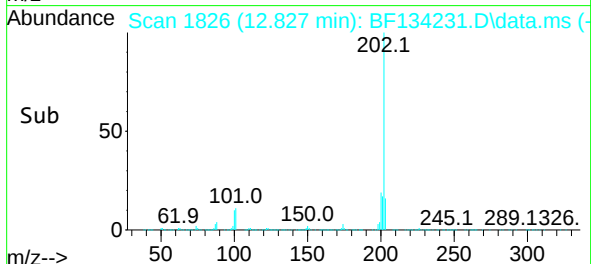
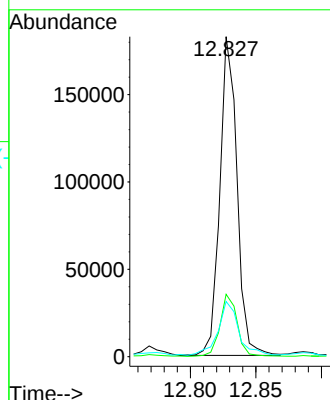
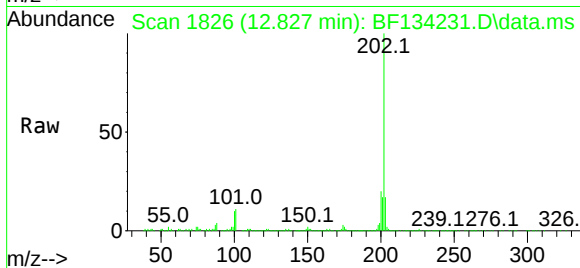
Ion	Ratio	Lower	Upper
202	100		
200	19.5	16.1	24.1
203	17.2	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#79

Terphenyl-d14

Concen: 28.744 ng

RT: 12.974 min Scan# 1851

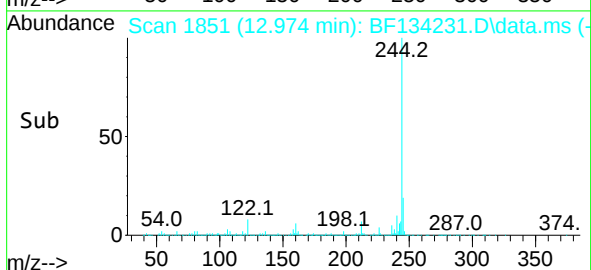
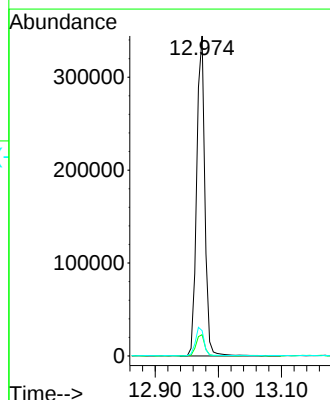
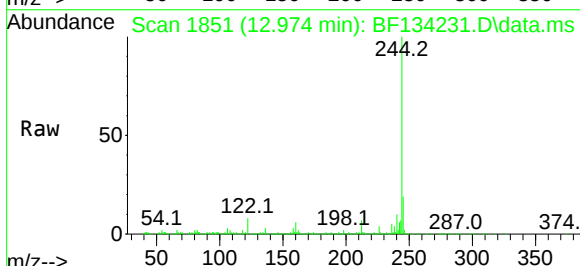
Delta R.T. -0.000 min

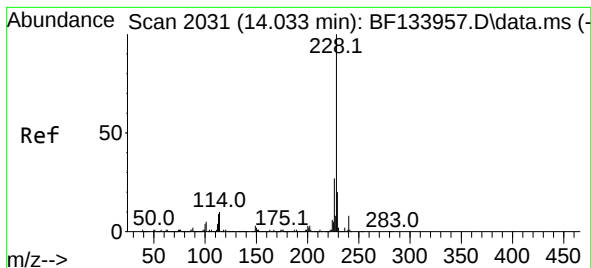
Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Tgt Ion:244 Resp: 309346

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	7.9	8.3	12.5





#81

Benzo(a)anthracene

Concen: 7.154 ng m

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Instrument :

BNF

ClientSampleId :

RY-1

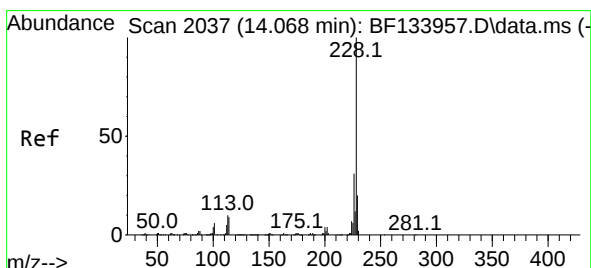
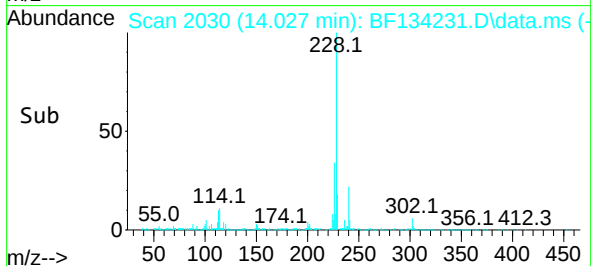
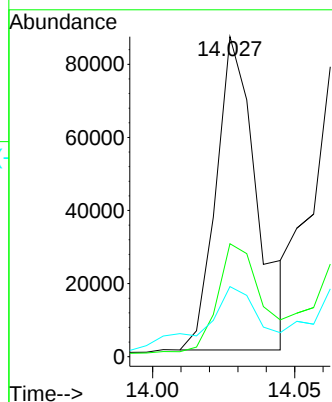
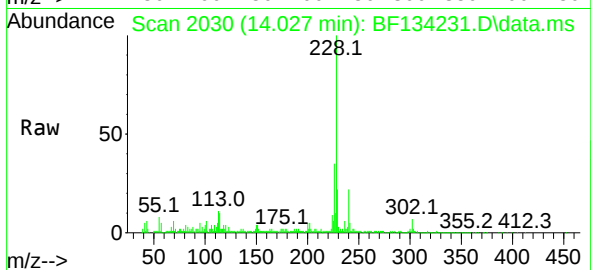
Tgt Ion:228 Resp: 85935
 Ion Ratio Lower Upper
 228 100
 226 35.3 22.0 33.0
 229 21.9 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#83

Chrysene

Concen: 7.470 ng

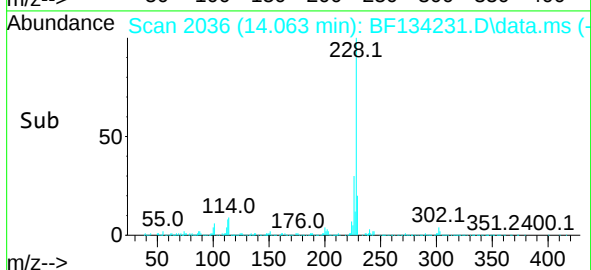
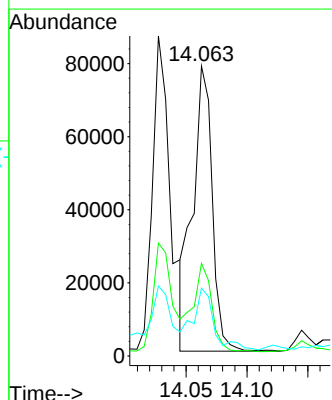
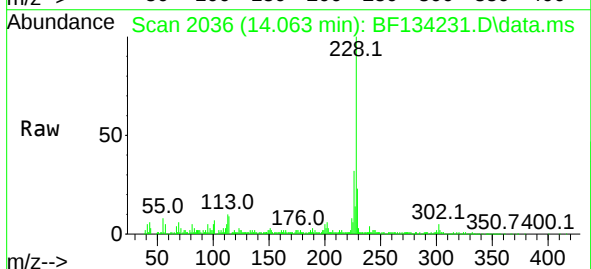
RT: 14.063 min Scan# 2036

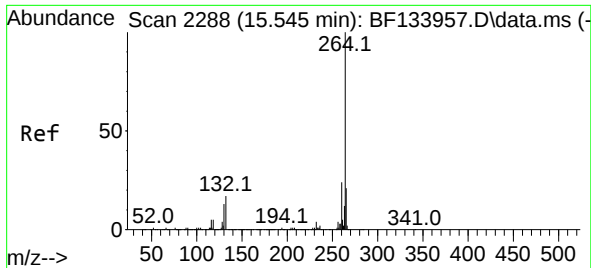
Delta R.T. -0.006 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

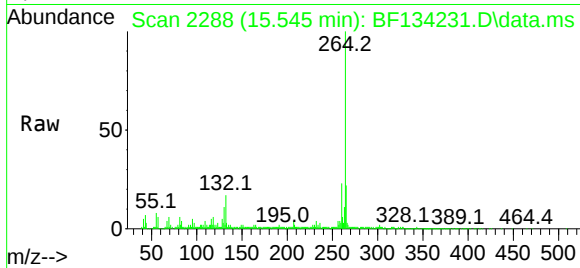
Tgt Ion:228 Resp: 86914
 Ion Ratio Lower Upper
 228 100
 226 32.0 24.4 36.6
 229 23.4 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

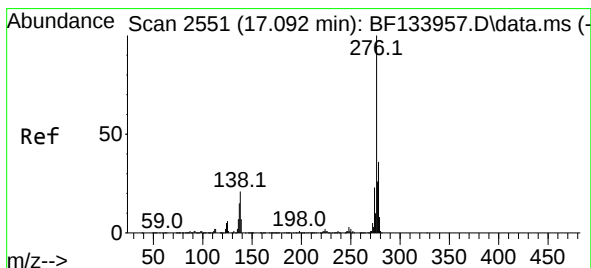
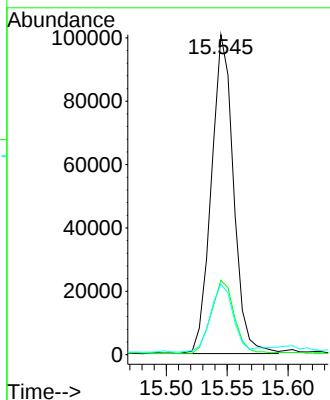
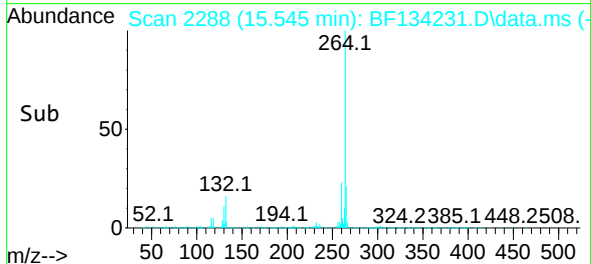
Instrument :
BNA_F
ClientSampleId :
RY-1



Tgt Ion:264 Resp: 12767
Ion Ratio Lower Upper
264 100
260 23.2 19.5 29.3
265 22.0 16.6 25.0

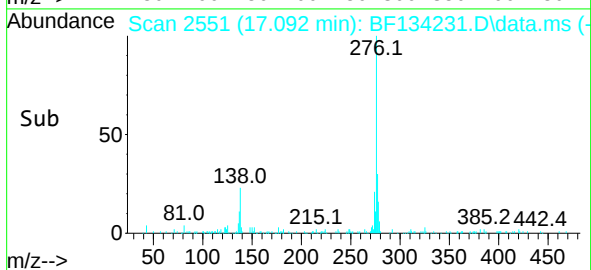
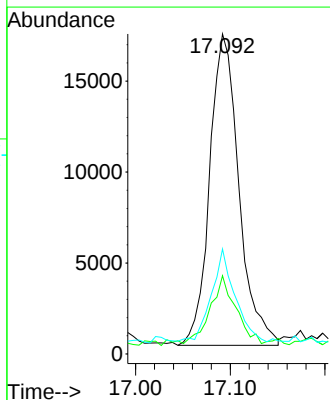
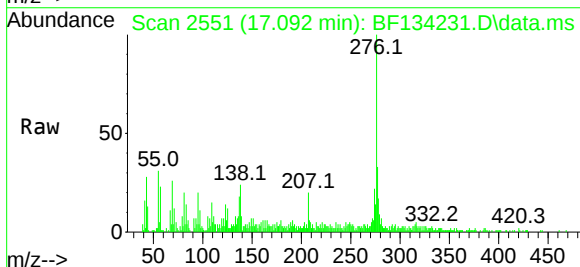
Manual Integrations
APPROVED

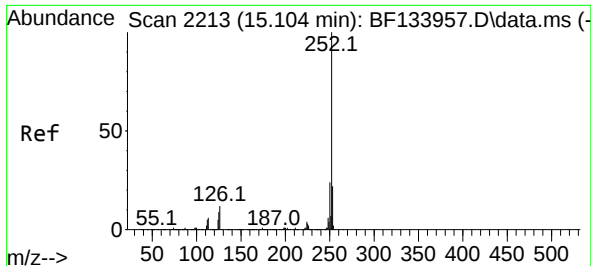
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.143 ng
RT: 17.092 min Scan# 2551
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

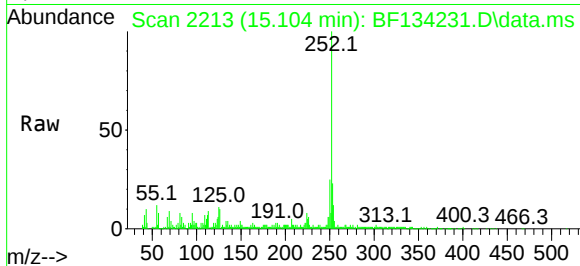
Tgt Ion:276 Resp: 36704
Ion Ratio Lower Upper
276 100
138 20.4 18.7 28.1
277 24.2 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 14.067 ng m
RT: 15.104 min Scan# 2213
Delta R.T. -0.000 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

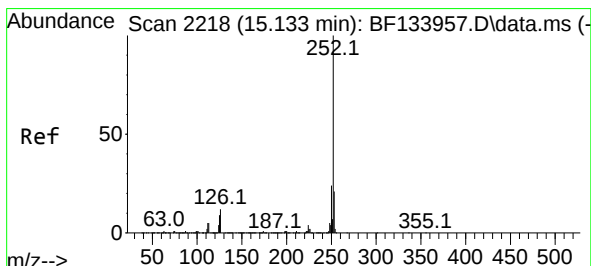
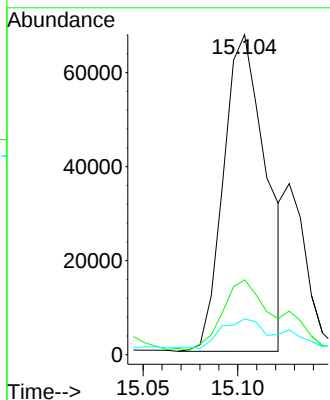
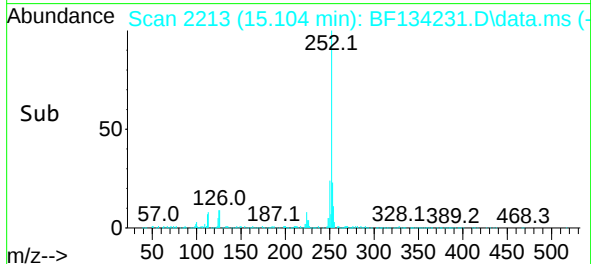
Instrument :
BNA_F
ClientSampleId :
RY-1



Tgt Ion:252 Resp: 105608
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.2 7.1 10.7

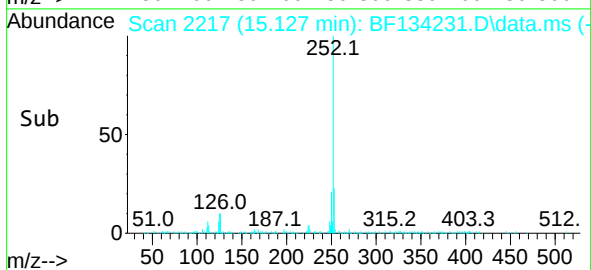
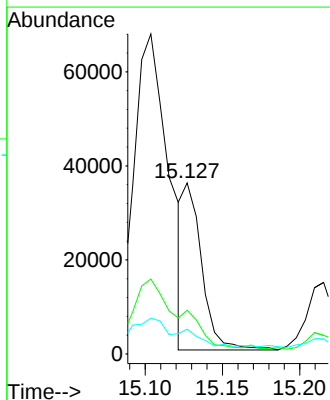
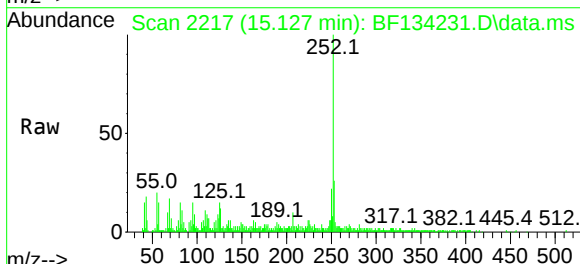
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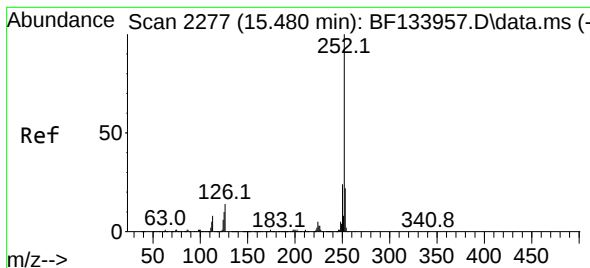
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#89
Benzo(k)fluoranthene
Concen: 3.897 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF134231.D
Acq: 12 Jul 2023 01:13

Tgt Ion:252 Resp: 29788
Ion Ratio Lower Upper
252 100
253 25.6 16.9 25.3#
125 14.5 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 7.160 ng

RT: 15.480 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Instrument :

BNA_F

ClientSampleId :

RY-1

Tgt Ion:252 Resp: 51978

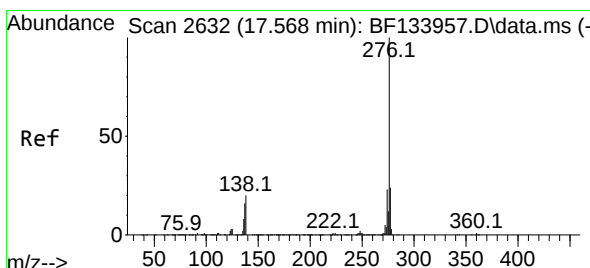
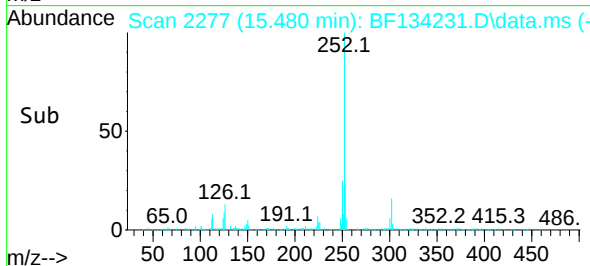
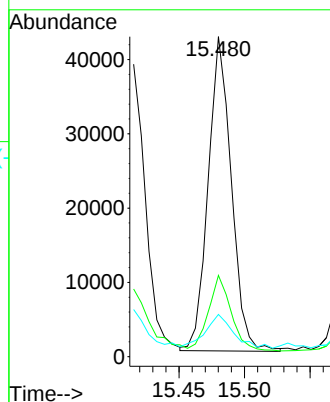
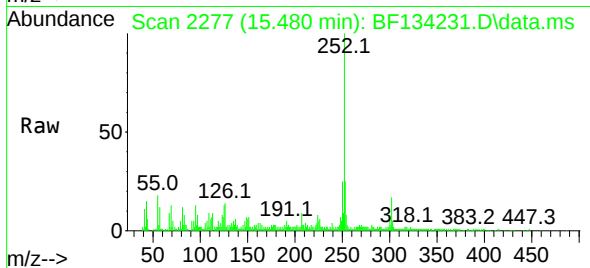
Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.4	26.0
125	13.2	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#92

Benzo(g,h,i)perylene

Concen: 4.918 ng

RT: 17.568 min Scan# 2632

Delta R.T. -0.000 min

Lab File: BF134231.D

Acq: 12 Jul 2023 01:13

Tgt Ion:276 Resp: 36702

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.6
138	20.0	16.2	24.2

