

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
 Data File : BF134466.D
 Acq On : 25 Jul 2023 16:59
 Operator : CG\JU
 Sample : 03580-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

Quant Time: Jul 25 18:37:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	75289	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	255382	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	116754	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	225849	20.000	ng	# 0.00
76) Chrysene-d12	14.027	240	168359	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	120954	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	413538	90.749	ng	0.00
7) Phenol-d6	6.475	99	439354	78.693	ng	0.00
23) Nitrobenzene-d5	7.398	82	293063	58.060	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	106537	64.223	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	489077	54.992	ng	0.00
79) Terphenyl-d14	12.957	244	515357	53.436	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	107407	9.102	ng	99
72) Anthracene	11.439	178	30763	2.526	ng	99
75) Fluoranthene	12.586	202	196981	14.323	ng	99
78) Pyrene	12.816	202	226209	16.898	ng	99
81) Benzo(a)anthracene	14.015	228	108438	9.232	ng	97
83) Chrysene	14.051	228	91531	8.147	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	34686	4.390	ng	97
88) Benzo(b)fluoranthene	15.086	252	87373m	11.547	ng	
89) Benzo(k)fluoranthene	15.115	252	27058m	3.636	ng	
90) Benzo(a)pyrene	15.468	252	55009	7.865	ng	# 95
92) Benzo(g,h,i)perylene	17.556	276	29125	4.445	ng	# 94

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

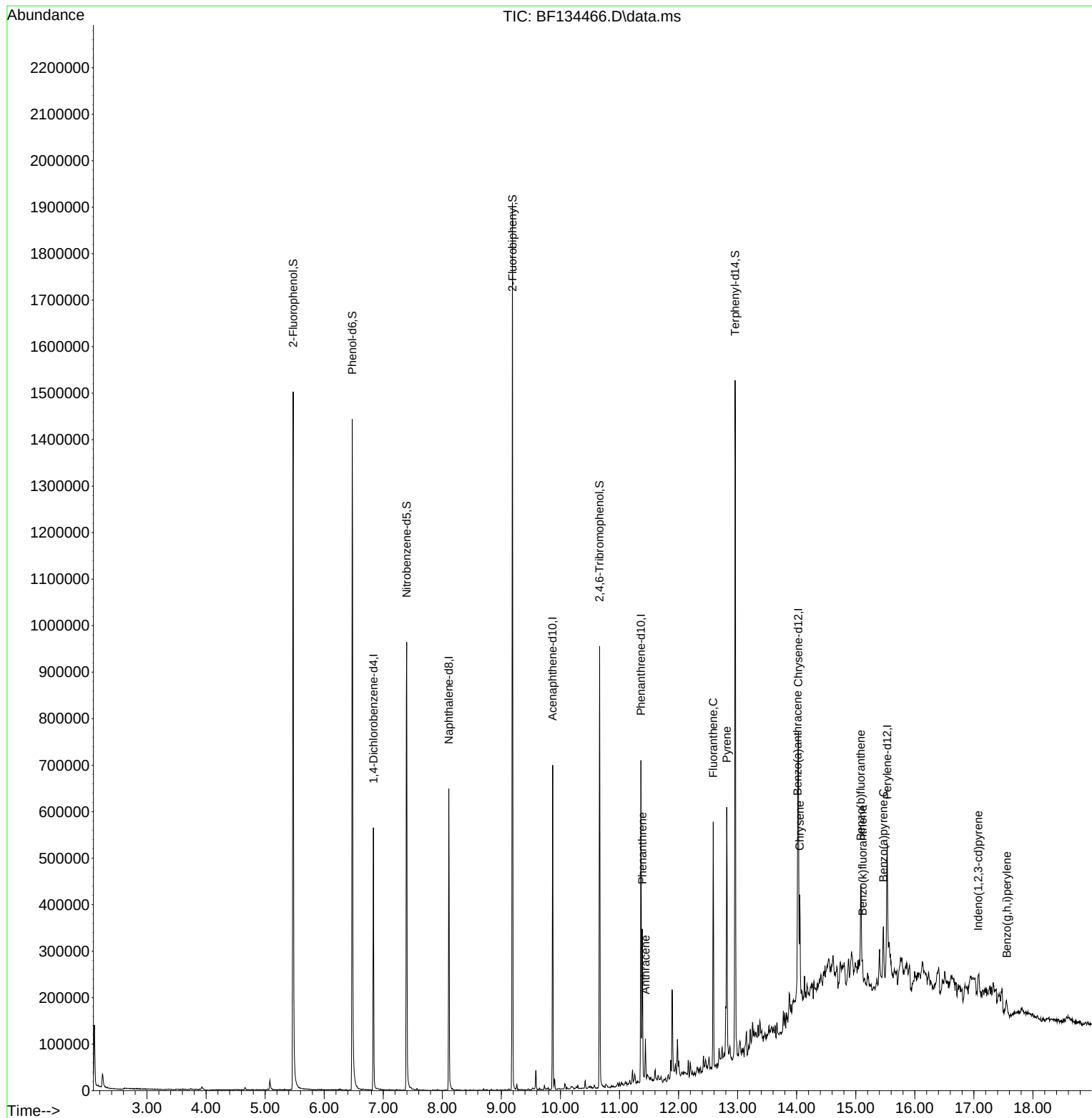
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134466.D
Acq On : 25 Jul 2023 16:59
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Sample : 03580-03 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

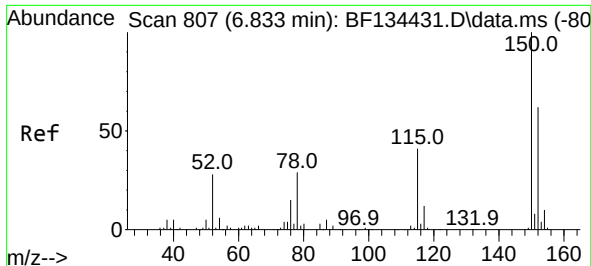
Instrument :
BNA_F
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Quant Time: Jul 25 18:37:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 01:46:04 2023
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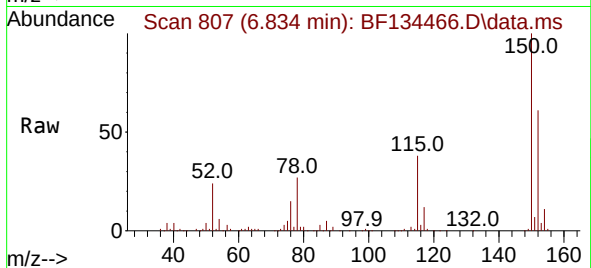
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. 0.001 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59

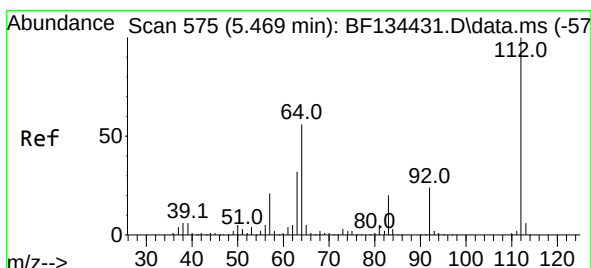
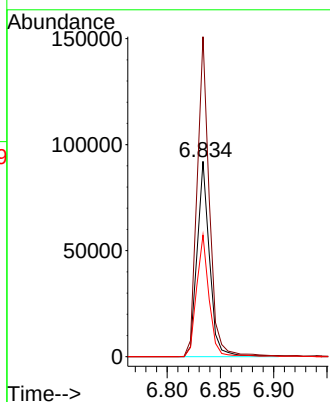
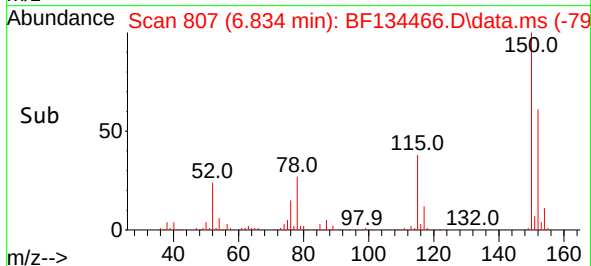
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2



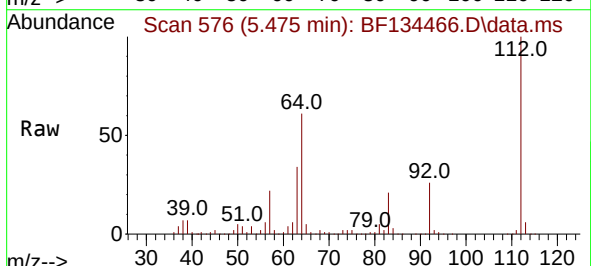
Tgt Ion:152 Resp: 75289
Ion Ratio Lower Upper
152 100
150 163.8 128.3 192.5
115 62.3 52.4 78.6

Manual Integrations
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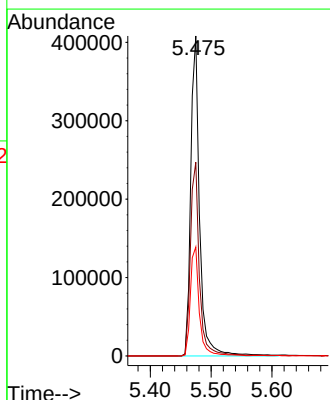
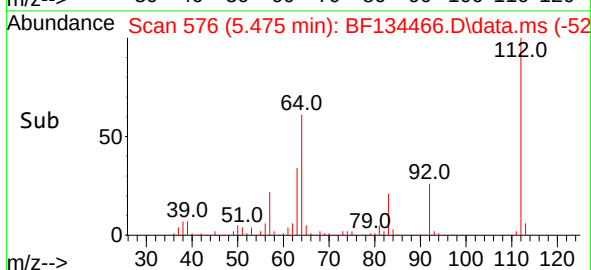
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

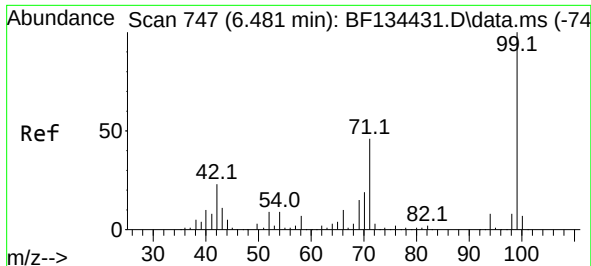


#5
2-Fluorophenol
Concen: 90.749 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59



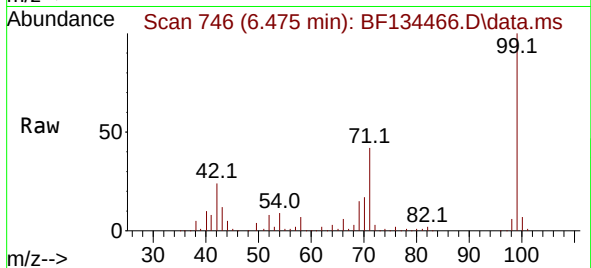
Tgt Ion:112 Resp: 413538
Ion Ratio Lower Upper
112 100
64 60.6 44.9 67.3
63 34.1 25.4 38.0





#7
Phenol-d6
Concen: 78.693 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59

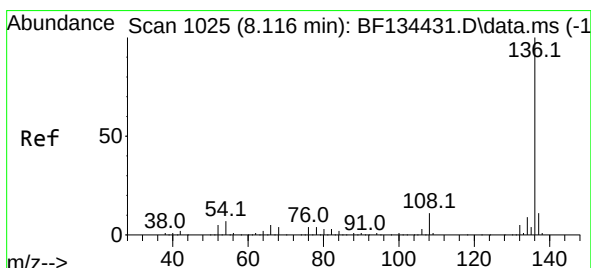
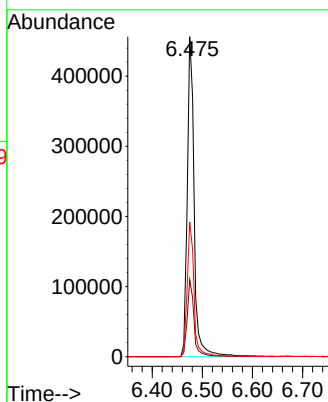
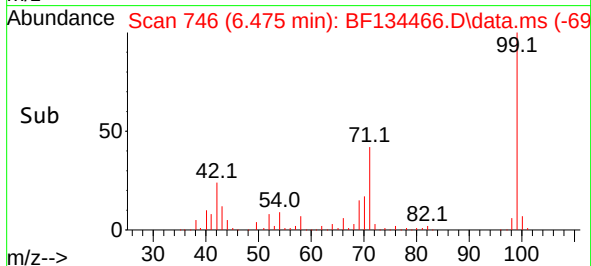
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2



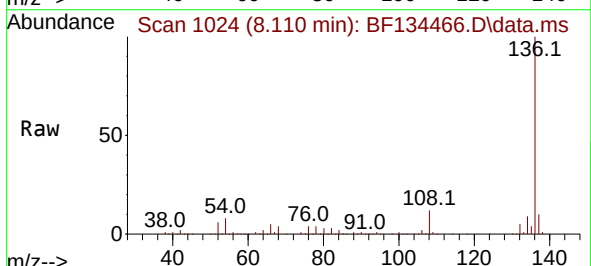
Tgt Ion: 99 Resp: 439354
Ion Ratio Lower Upper
99 100
42 24.1 18.7 28.1
71 42.1 36.4 54.6

Manual Integrations
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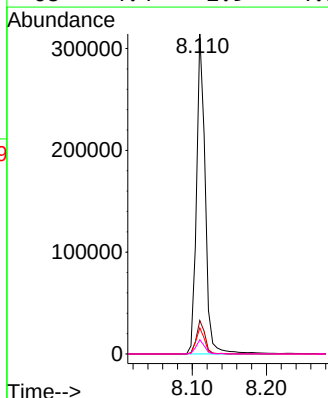
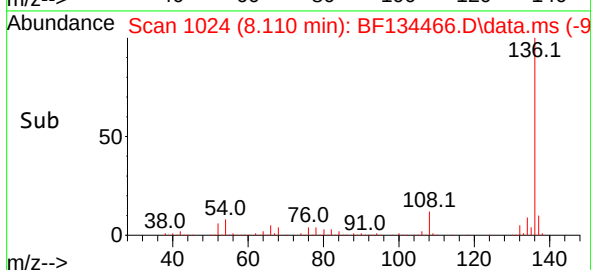
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

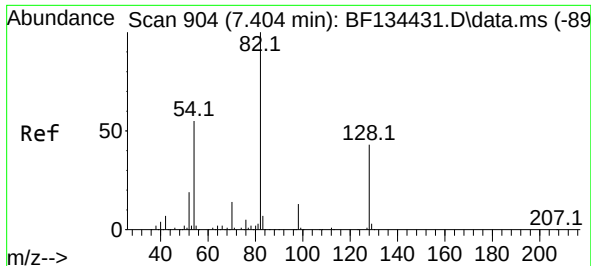


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59



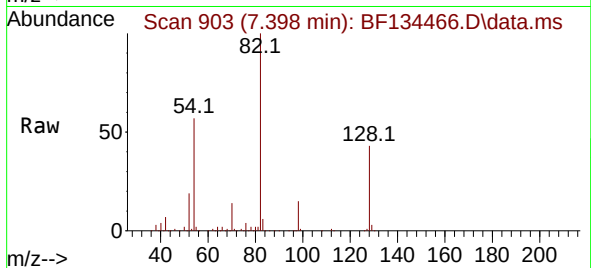
Tgt Ion:136 Resp: 255382
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 8.1 5.2 7.8#
68 4.4 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 58.060 ng
RT: 7.398 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59

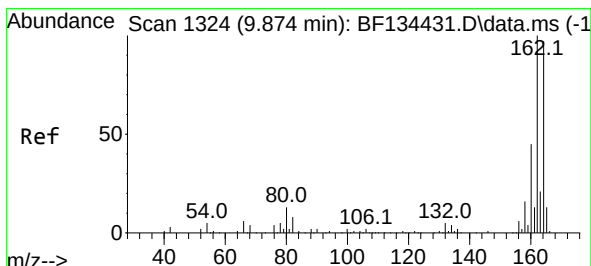
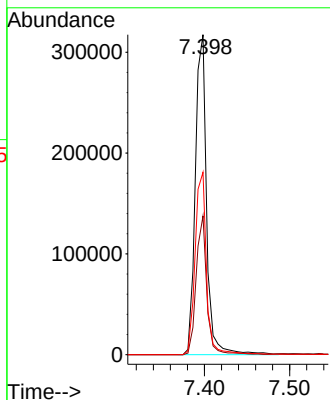
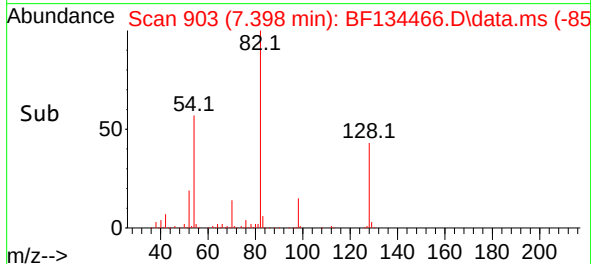
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2



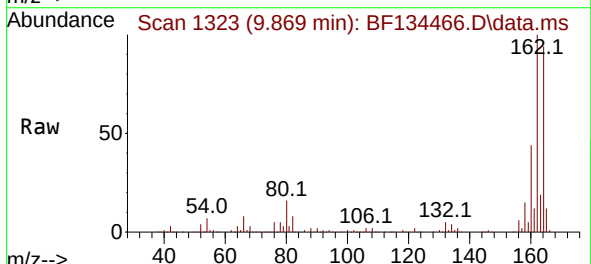
Tgt Ion: 82 Resp: 293063
Ion Ratio Lower Upper
82 100
128 43.4 34.3 51.5
54 57.0 43.8 65.6

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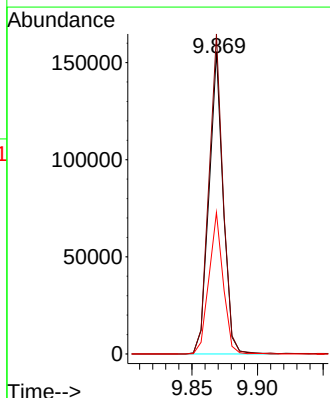
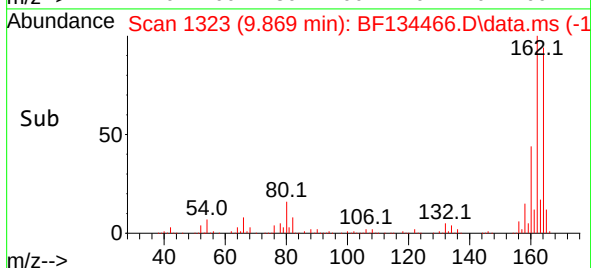
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

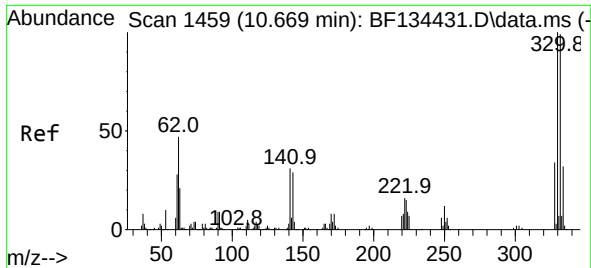


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59



Tgt Ion:164 Resp: 116754
Ion Ratio Lower Upper
164 100
162 105.9 82.6 123.8
160 46.8 37.2 55.8





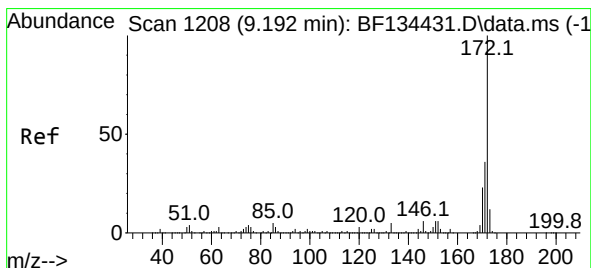
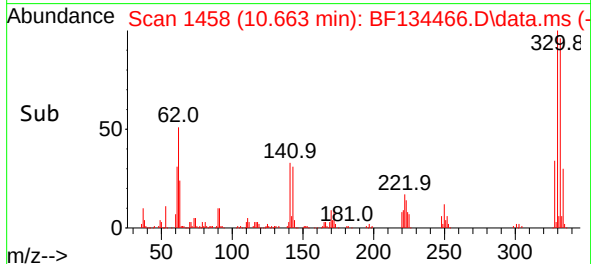
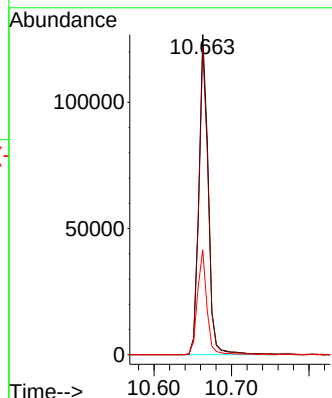
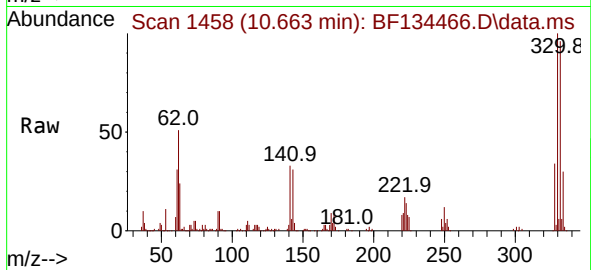
#42
2,4,6-Tribromophenol
Concen: 64.223 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2

Tgt Ion: 330 Resp: 10653
Ion Ratio Lower Upper
330 100
332 96.2 78.8 118.2
141 32.9 25.4 38.2

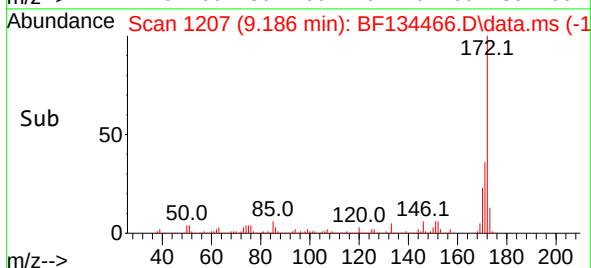
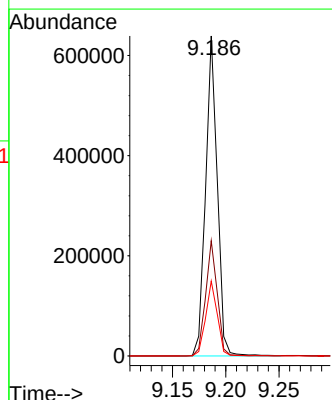
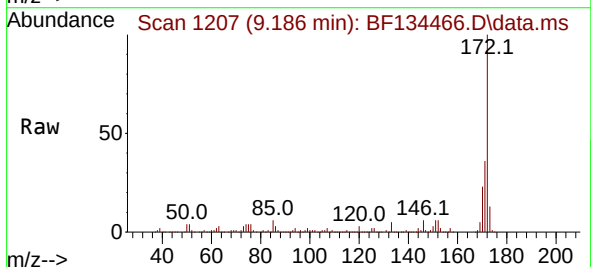
Manual Integrations
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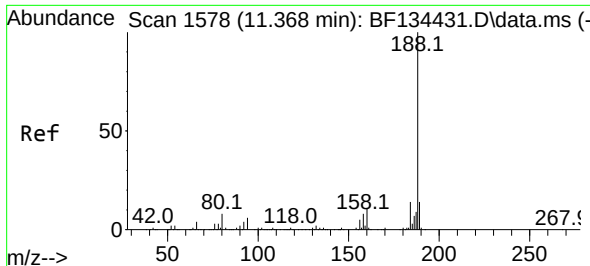
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#45
2-Fluorobiphenyl
Concen: 54.992 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59

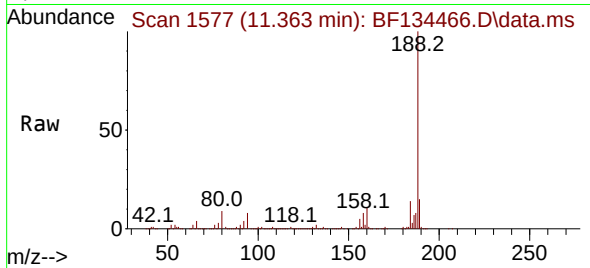
Tgt Ion: 172 Resp: 489077
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.4 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59

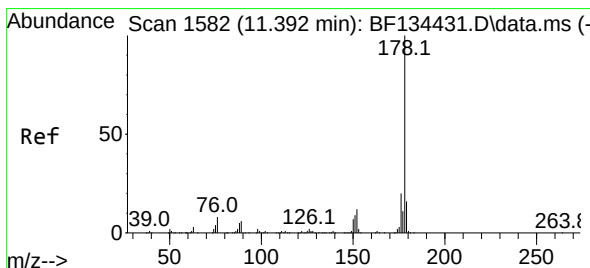
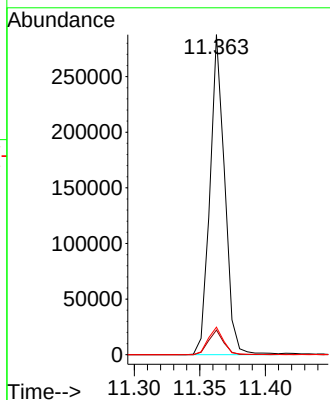
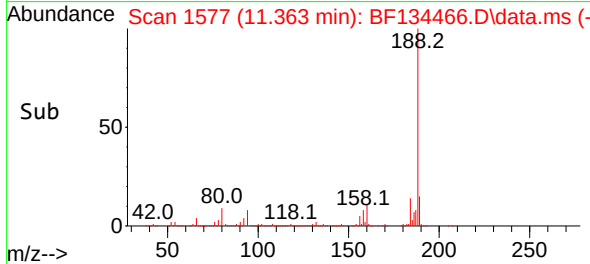
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2



Tgt Ion:188 Resp: 225849
Ion Ratio Lower Upper
188 100
94 7.7 5.1 7.7
80 8.6 6.6 9.8

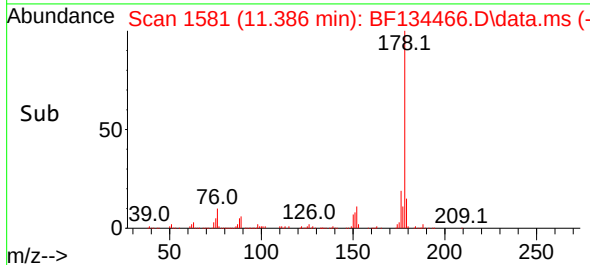
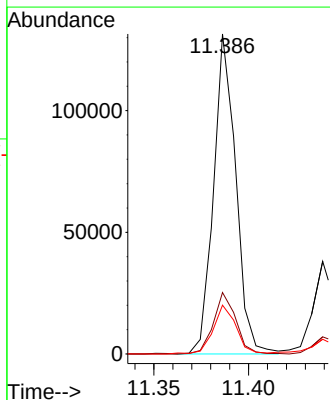
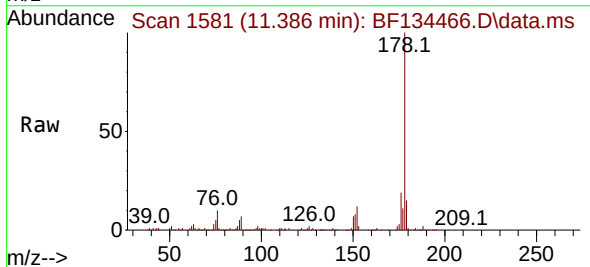
Manual Integrations
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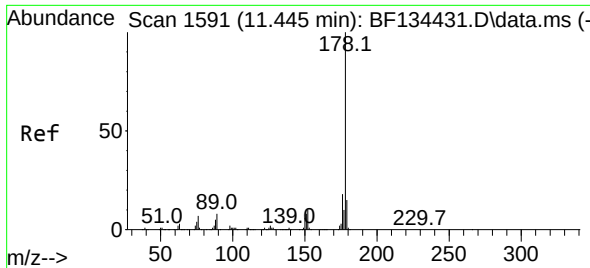
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#71
Phenanthrene
Concen: 9.102 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59

Tgt Ion:178 Resp: 107407
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 15.2 12.7 19.1





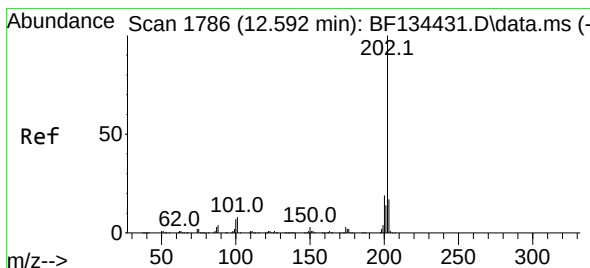
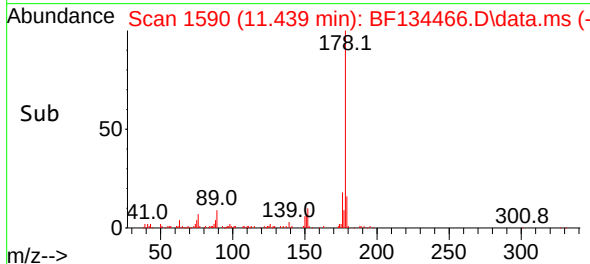
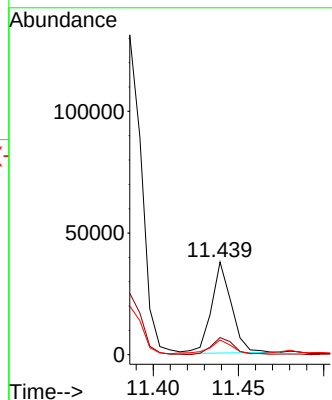
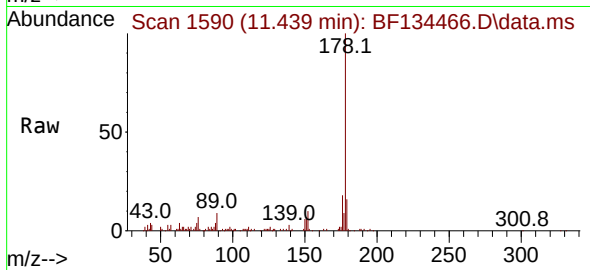
#72
 Anthracene
 Concen: 2.526 ng
 RT: 11.439 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134466.D
 Acq: 25 Jul 2023 16:59

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-2

Tgt Ion:178 Resp: 3076
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 21.8
 179 15.9 12.3 18.5

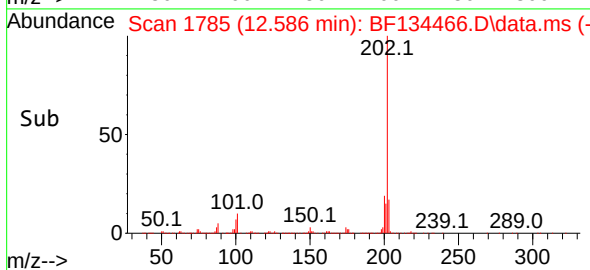
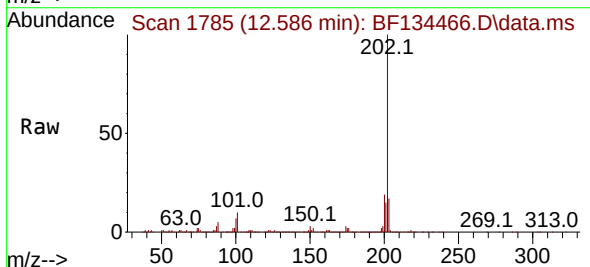
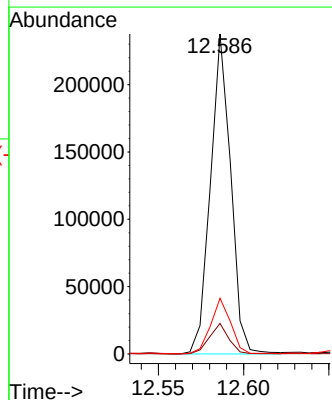
Manual Integrations
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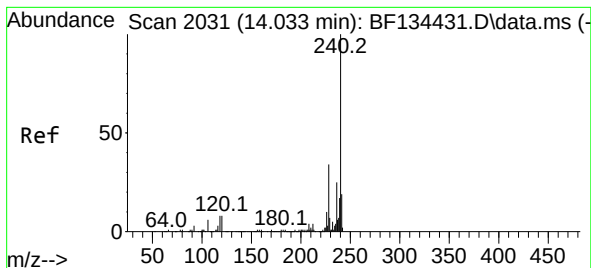
Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023



#75
 Fluoranthene
 Concen: 14.323 ng
 RT: 12.586 min Scan# 1785
 Delta R.T. -0.006 min
 Lab File: BF134466.D
 Acq: 25 Jul 2023 16:59

Tgt Ion:202 Resp: 196981
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 28.5
 203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134466.D

Acq: 25 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2

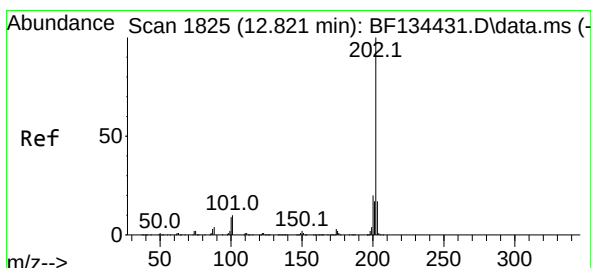
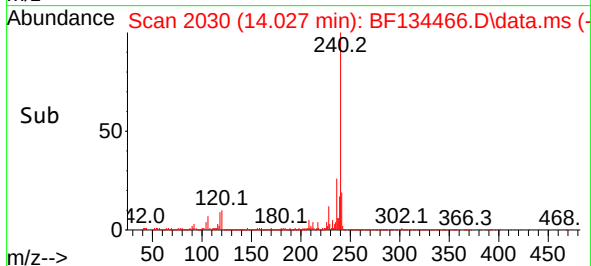
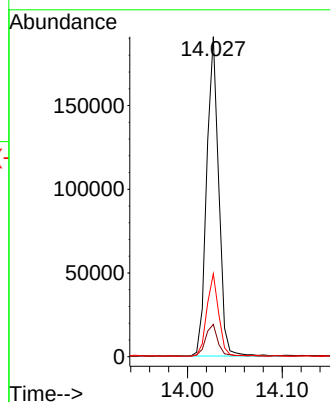
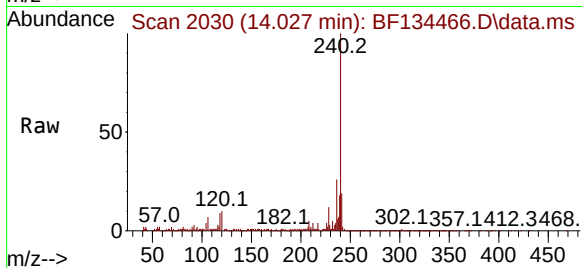
Tgt Ion:240 Resp: 168359
 Ion Ratio Lower Upper
 240 100
 120 10.1 6.6 10.0
 236 25.9 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#78

Pyrene

Concen: 16.898 ng

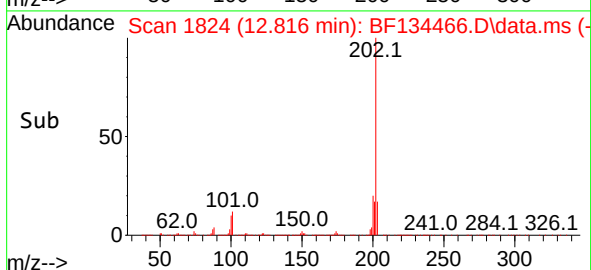
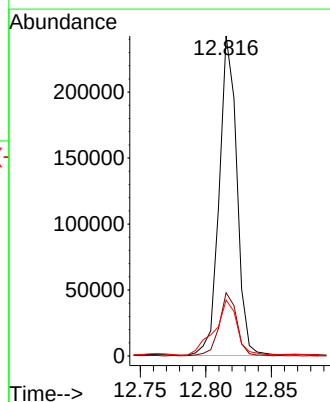
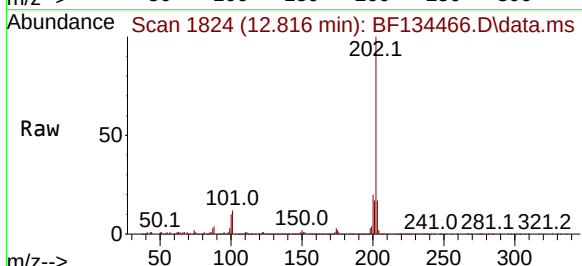
RT: 12.816 min Scan# 1824

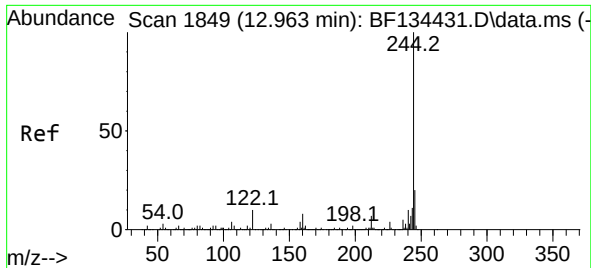
Delta R.T. -0.006 min

Lab File: BF134466.D

Acq: 25 Jul 2023 16:59

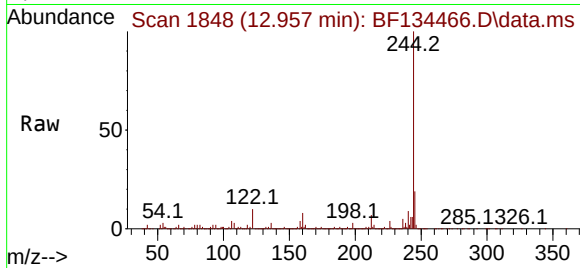
Tgt Ion:202 Resp: 226209
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.8 23.8
 203 17.5 13.5 20.3





#79
Terphenyl-d14
Concen: 53.436 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59

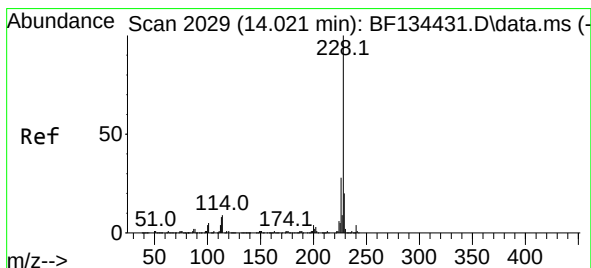
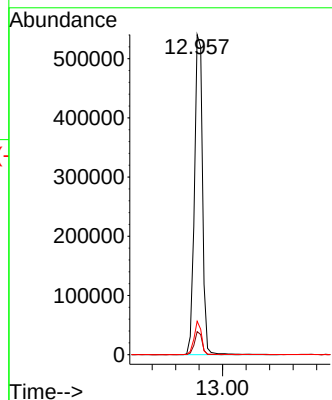
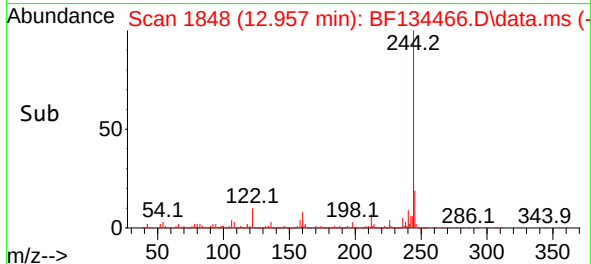
Instrument :
BNA_F
ClientSampleId :
SAMPLE-2



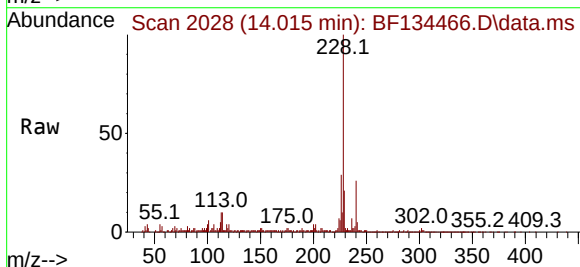
Tgt Ion:244 Resp: 51535
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 10.5 8.0 12.0

Manual Integrations
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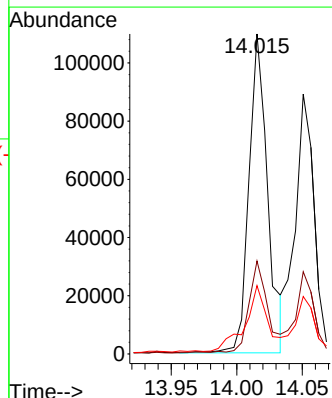
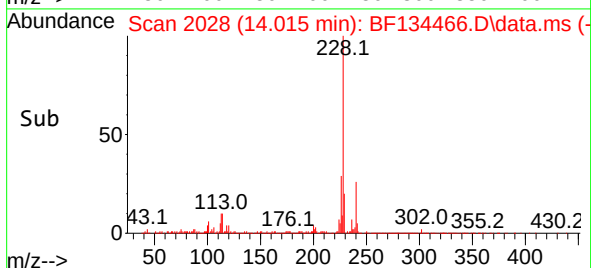
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

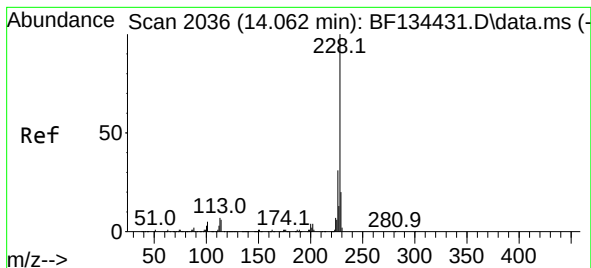


#81
Benzo(a)anthracene
Concen: 9.232 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59



Tgt Ion:228 Resp: 108438
Ion Ratio Lower Upper
228 100
226 29.1 22.3 33.5
229 21.4 15.8 23.6





#83

Chrysene

Concen: 8.147 ng

RT: 14.051 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF134466.D

Acq: 25 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2

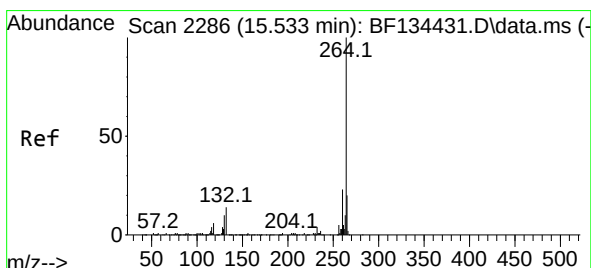
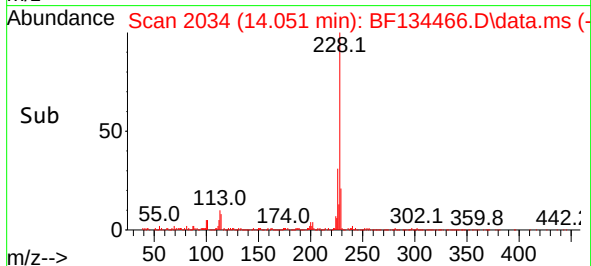
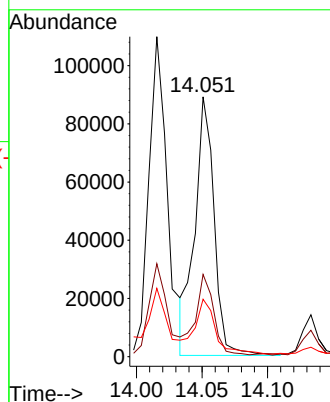
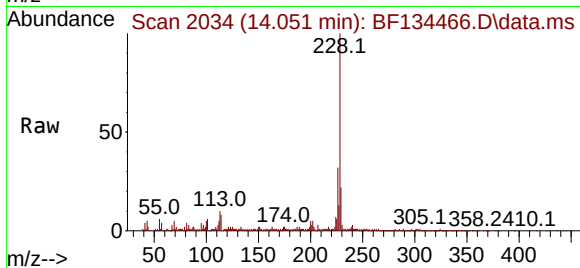
Tgt Ion:	228	Resp:	9153
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.5	36.7
229	22.1	15.8	23.8

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#86

Perylene-d12

Concen: 20.000 ng

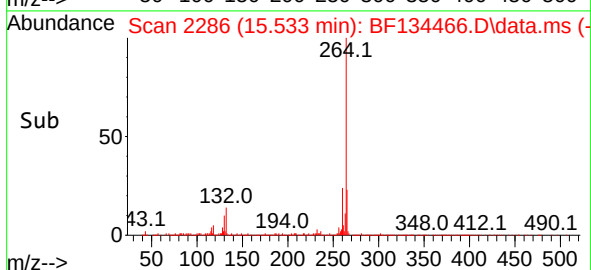
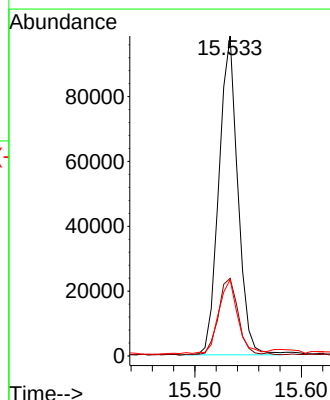
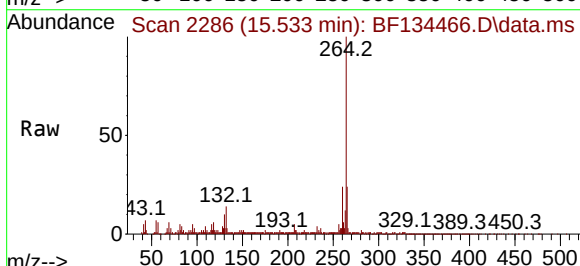
RT: 15.533 min Scan# 2286

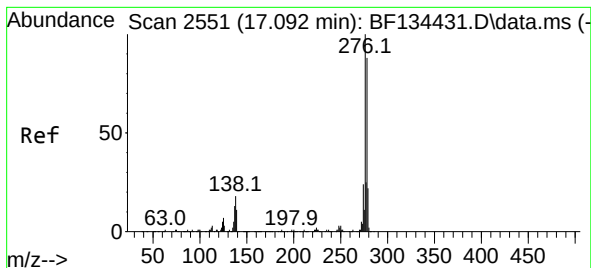
Delta R.T. 0.000 min

Lab File: BF134466.D

Acq: 25 Jul 2023 16:59

Tgt Ion:	264	Resp:	120954
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.4	27.6
265	23.9	15.8	23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.390 ng

RT: 17.074 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134466.D

Acq: 25 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2

Tgt Ion:276 Resp: 34680

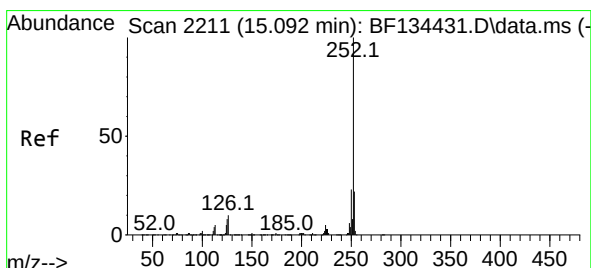
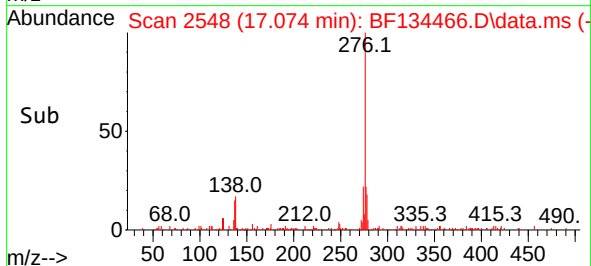
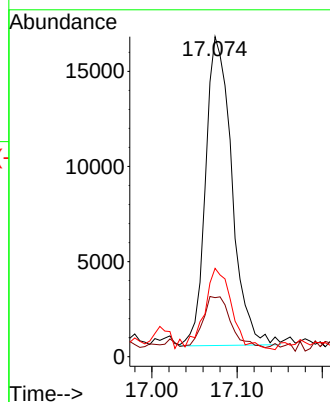
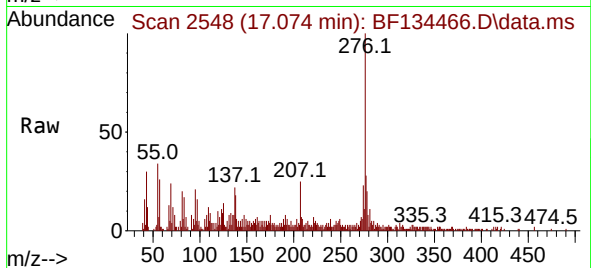
Ion	Ratio	Lower	Upper
276	100		
138	17.5	14.2	21.4
277	27.1	19.9	29.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#88

Benzo(b)fluoranthene

Concen: 11.547 ng m

RT: 15.086 min Scan# 2210

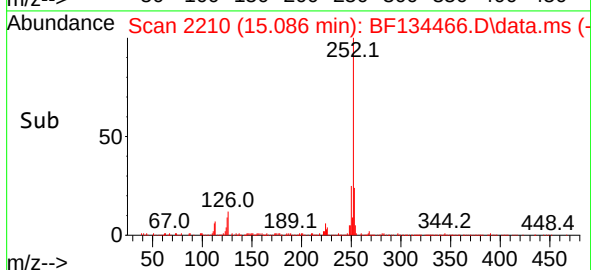
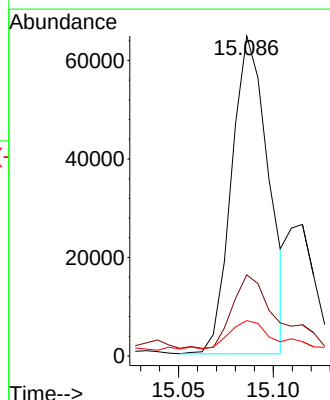
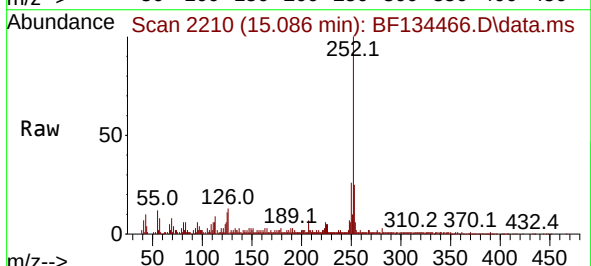
Delta R.T. -0.006 min

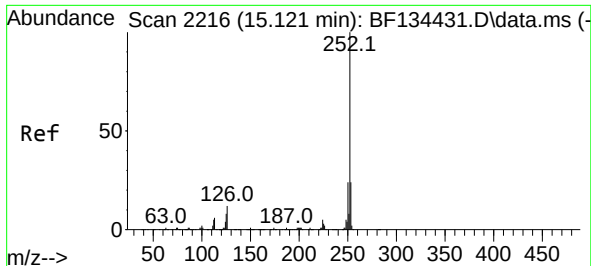
Lab File: BF134466.D

Acq: 25 Jul 2023 16:59

Tgt Ion:252 Resp: 87373

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.3	25.9
125	11.1	6.0	9.0





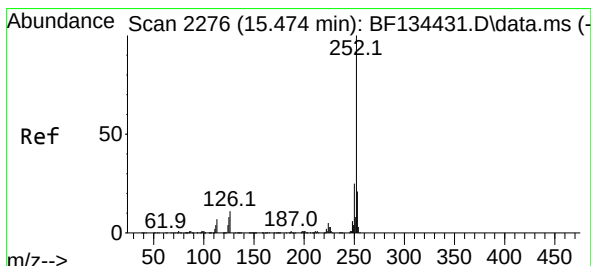
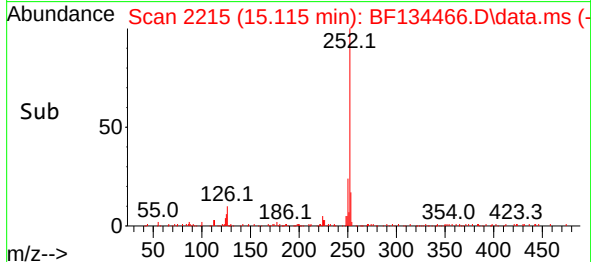
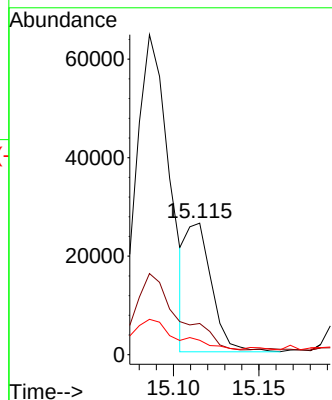
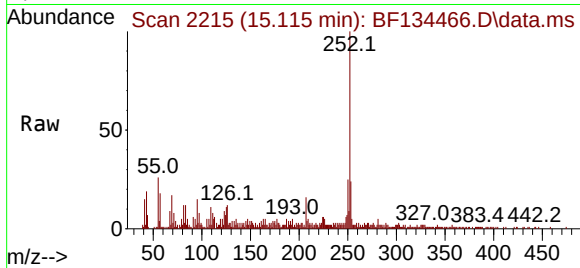
#89
Benzo(k)fluoranthene
Concen: 3.636 ng m
RT: 15.115 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2

Tgt Ion:252 Resp: 27058
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 11.0 6.3 9.5

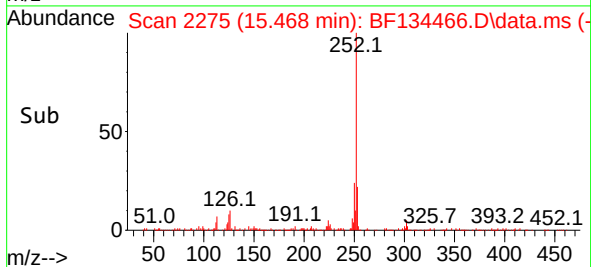
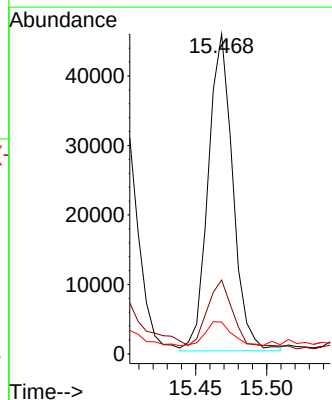
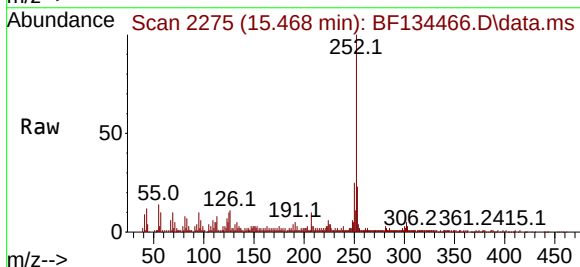
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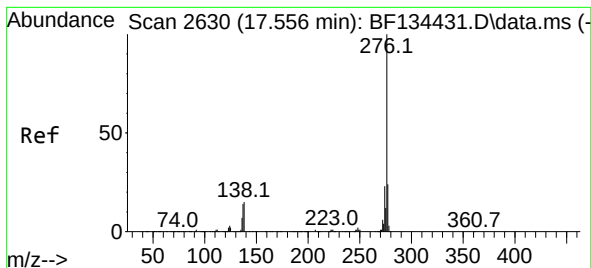
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#90
Benzo(a)pyrene
Concen: 7.865 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF134466.D
Acq: 25 Jul 2023 16:59

Tgt Ion:252 Resp: 55009
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.4
125 9.9 6.2 9.4





#92

Benzo(g,h,i)perylene

Concen: 4.445 ng

RT: 17.556 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134466.D

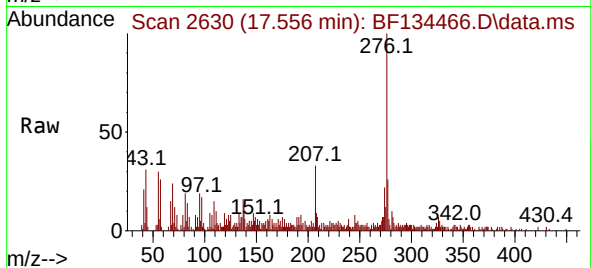
Acq: 25 Jul 2023 16:59

Instrument :

BNA_F

ClientSampleId :

SAMPLE-2



Tgt Ion:	276	Resp:	2912
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.0	28.6
138	19.0	12.2	18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023

