

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072623\
 Data File : BF134483.D
 Acq On : 26 Jul 2023 15:43
 Operator : CG\JU
 Sample : 03697-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/27/2023
 Supervised By :mohammad ahmed 07/27/2023

Quant Time: Jul 26 16:21:52 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	6.822	152	63266	20.000	ng	-0.01
21) Naphthalene-d8	8.104	136	250664	20.000	ng	-0.01
39) Acenaphthene-d10	9.857	164	132967	20.000	ng	-0.02
64) Phenanthrene-d10	11.357	188	268748	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	192025	20.000	ng	-0.02
86) Perylene-d12	15.509	264	170666	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	9937	2.595	ng	0.01
7) Phenol-d6	6.469	99	56512	12.046	ng	-0.01
23) Nitrobenzene-d5	7.386	82	281828	56.885	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	256	0.136	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	589635	58.215	ng	-0.01
79) Terphenyl-d14	12.951	244	822004	74.727	ng	-0.01
Target Compounds						Qvalue
25) Isophorone	7.639	82	33671	4.078	ng	97
50) Dimethylphthalate	9.574	163	74160	7.524	ng	97
71) Phenanthrene	11.374	178	44593	3.176	ng	100
75) Fluoranthene	12.574	202	170587	10.424	ng	99
78) Pyrene	12.804	202	143315	9.386	ng	100
81) Benzo(a)anthracene	14.004	228	44412	3.315	ng	97
83) Chrysene	14.039	228	64748	5.053	ng	99
87) Indeno(1,2,3-cd)pyrene	17.039	276	43440	3.896	ng	96
88) Benzo(b)fluoranthene	15.068	252	74459m	6.974	ng	
89) Benzo(k)fluoranthene	15.092	252	24241m	2.309	ng	
90) Benzo(a)pyrene	15.445	252	42555	4.312	ng	97
92) Benzo(g,h,i)perylene	17.509	276	45305m	4.900	ng	

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

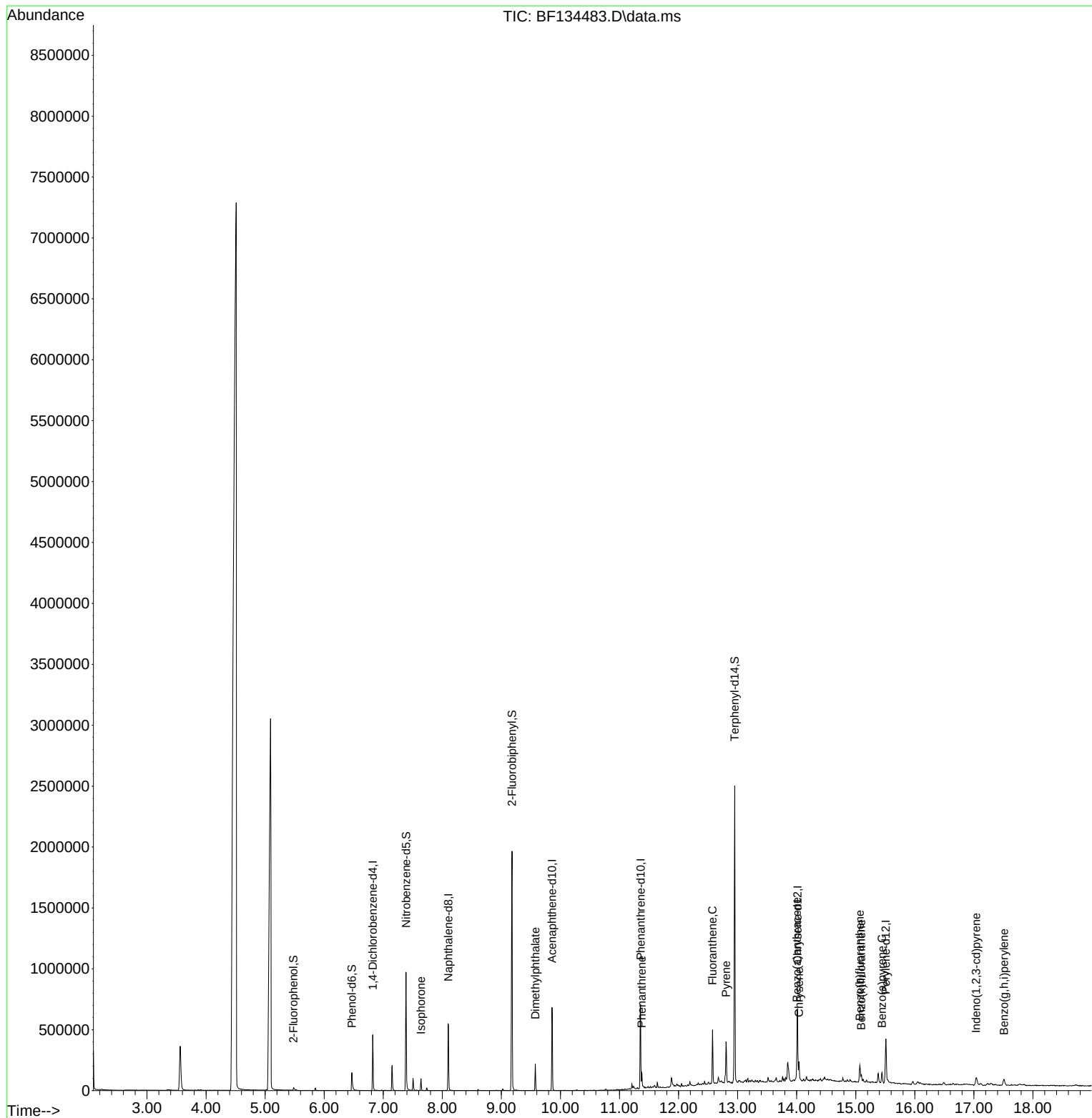
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072623\
Data File : BF134483.D
Acq On : 26 Jul 2023 15:43
Operator : CG\JU
Sample : 03697-03
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ALS Vial : 6 Sample Multiplier: 1

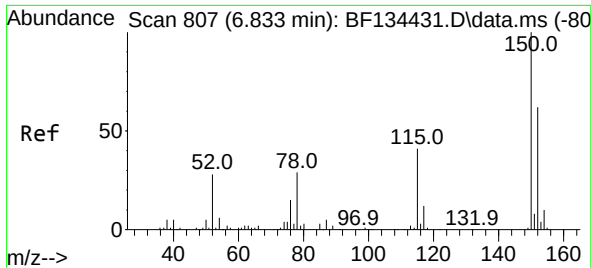
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Quant Time: Jul 26 16:21:52 2023
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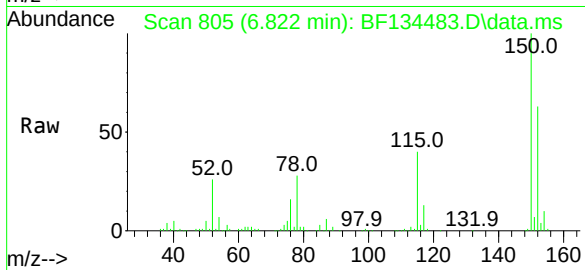
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 807
Delta R.T. -0.011 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

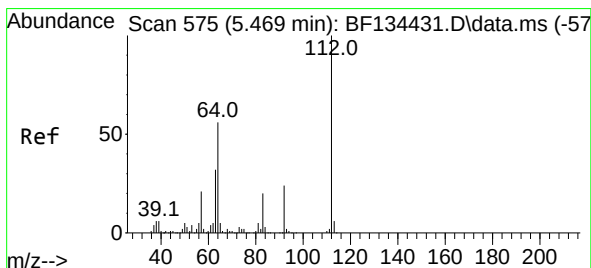
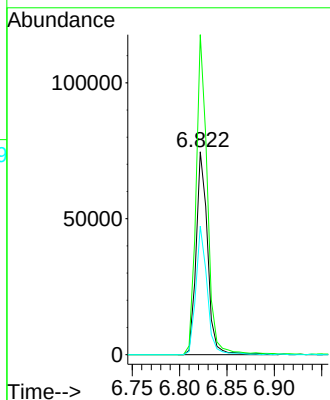
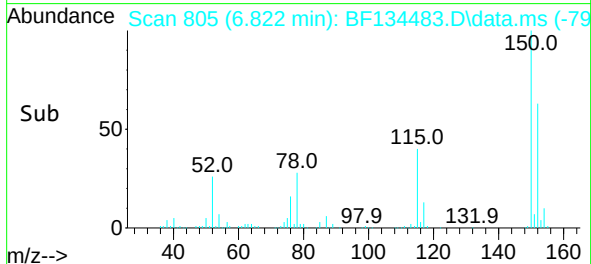
Instrument :
BNA_F
ClientSampleId :
CONC-3



Tgt Ion:152 Resp: 63260
Ion Ratio Lower Upper
152 100
150 157.7 128.3 192.5
115 63.3 52.4 78.6

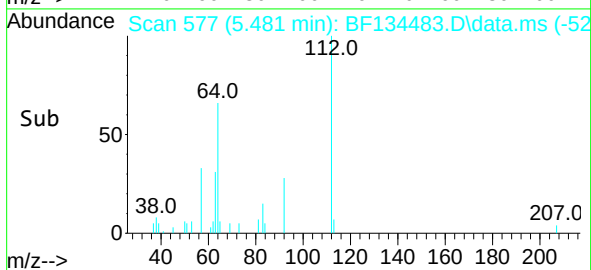
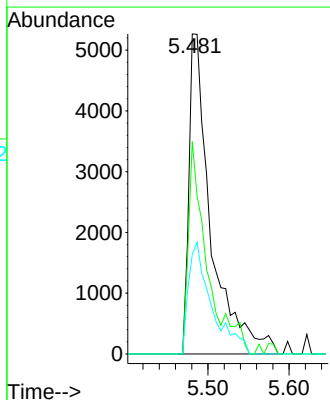
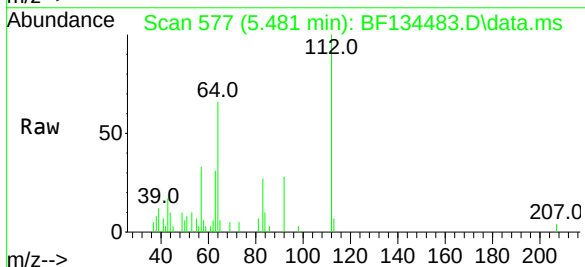
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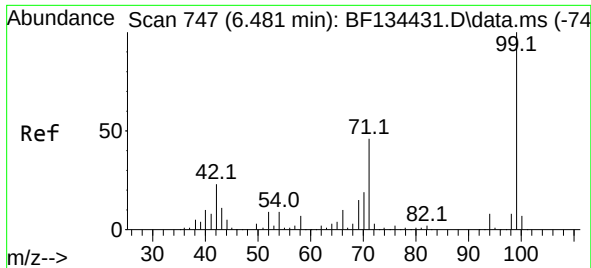
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023



#5
2-Fluorophenol
Concen: 2.595 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

Tgt Ion:112 Resp: 9937
Ion Ratio Lower Upper
112 100
64 66.4 44.9 67.3
63 31.1 25.4 38.0





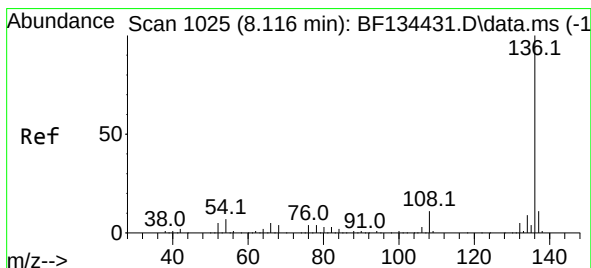
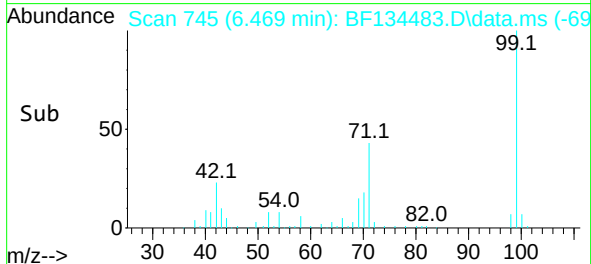
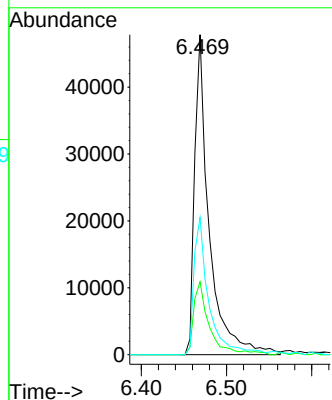
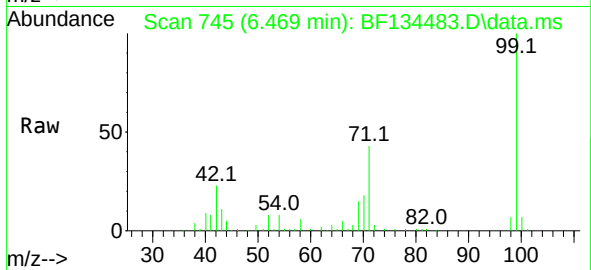
#7
Phenol-d6
Concen: 12.046 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

Instrument :
BNA_F
ClientSampleId :
CONC-3

Tgt Ion: 99 Resp: 5651
Ion Ratio Lower Upper
99 100
42 22.8 18.7 28.1
71 42.9 36.4 54.6

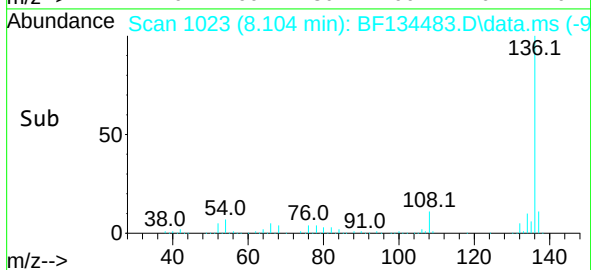
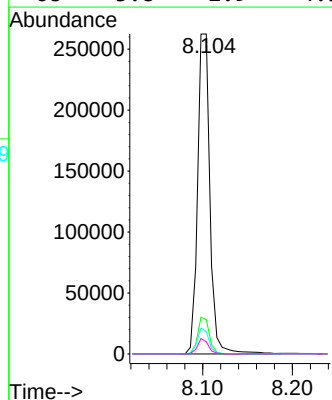
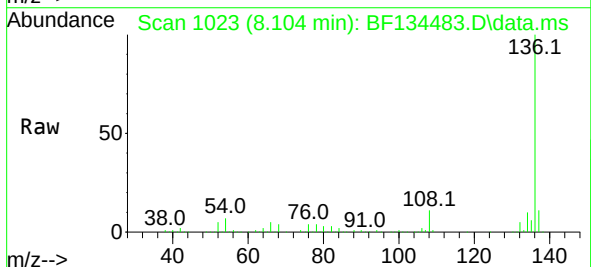
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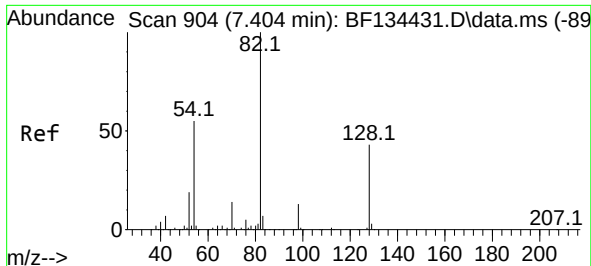
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.012 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

Tgt Ion:136 Resp: 250664
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.0 5.2 7.8
68 3.8 2.9 4.3





#23

Nitrobenzene-d5

Concen: 56.885 ng

RT: 7.386 min Scan# 904

Delta R.T. -0.018 min

Lab File: BF134483.D

Acq: 26 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CONC-3

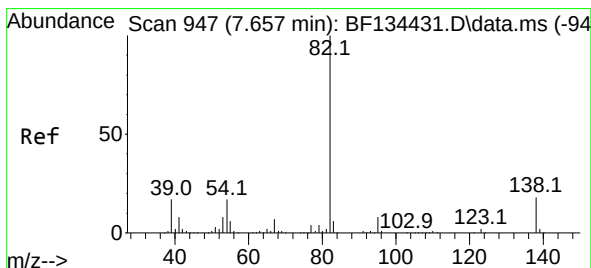
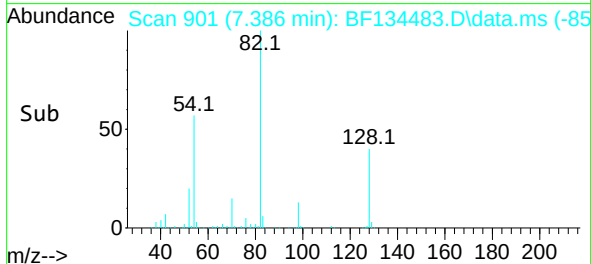
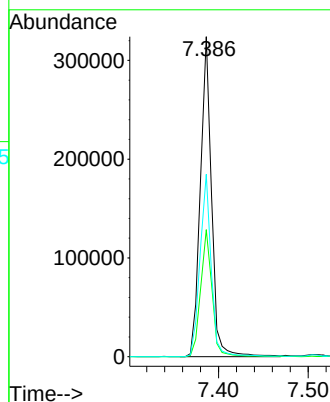
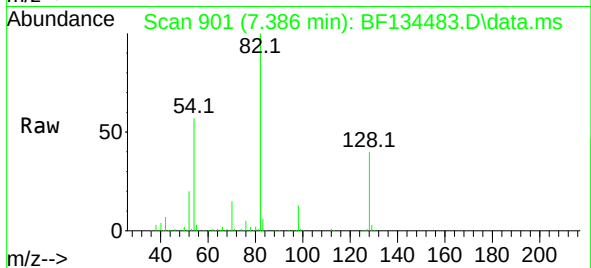
Tgt Ion:	82	Resp:	281828
Ion Ratio	Lower	Upper	
82	100		
128	39.7	34.3	51.5
54	57.0	43.8	65.6

Manual Integrations

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Supervised By :mohammad ahmed 07/27/2023



#25

Isophorone

Concen: 4.078 ng

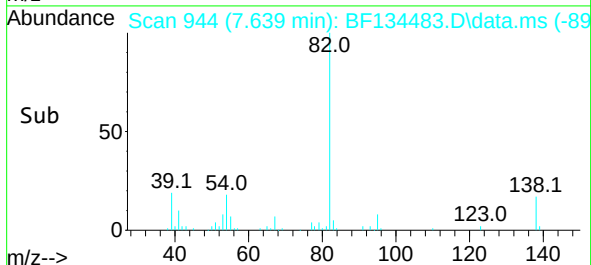
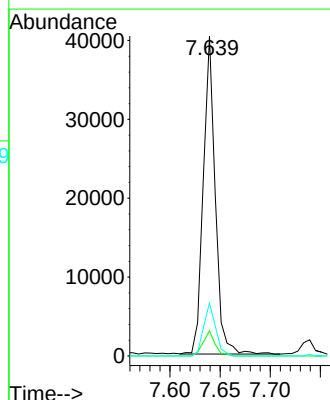
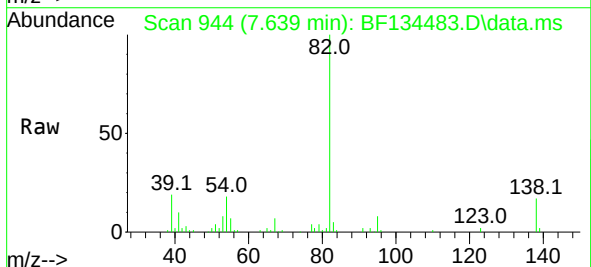
RT: 7.639 min Scan# 944

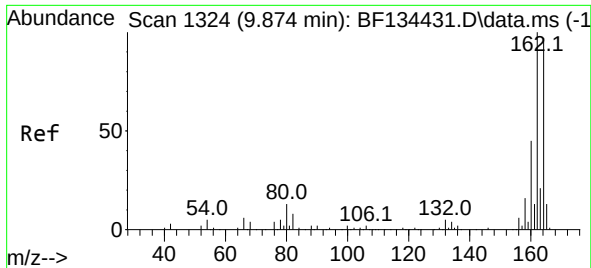
Delta R.T. -0.018 min

Lab File: BF134483.D

Acq: 26 Jul 2023 15:43

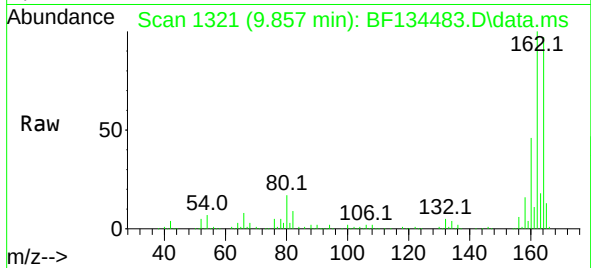
Tgt Ion:	82	Resp:	33671
Ion Ratio	Lower	Upper	
82	100		
95	7.9	6.0	9.0
138	16.5	14.6	22.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

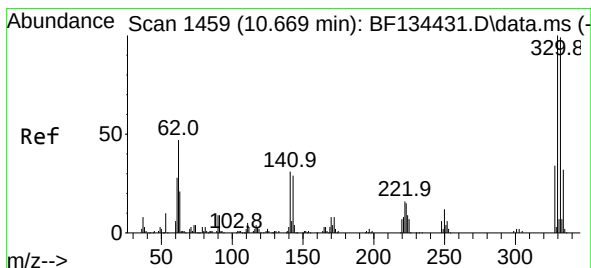
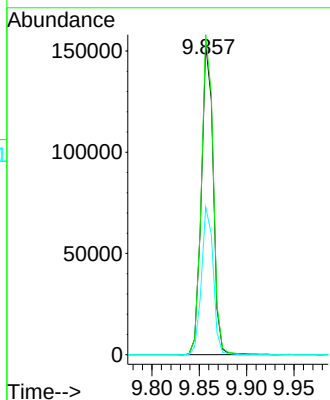
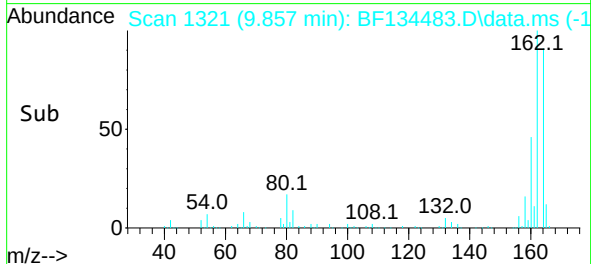
Instrument :
BNA_F
ClientSampleId :
CONC-3



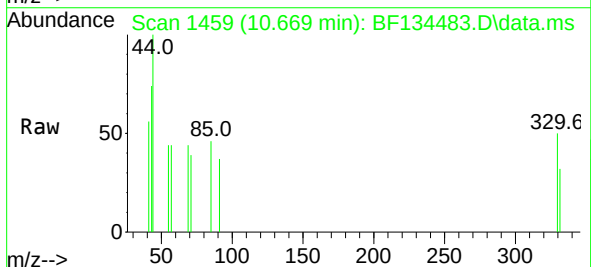
Tgt Ion:164 Resp: 13296
Ion Ratio Lower Upper
164 100
162 103.1 82.6 123.8
160 47.6 37.2 55.8

Manual Integrations
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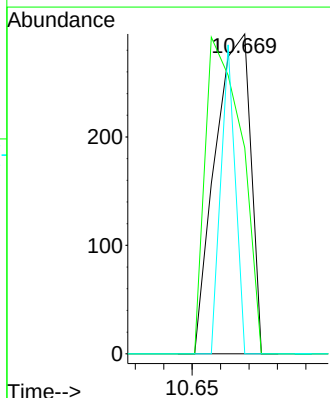
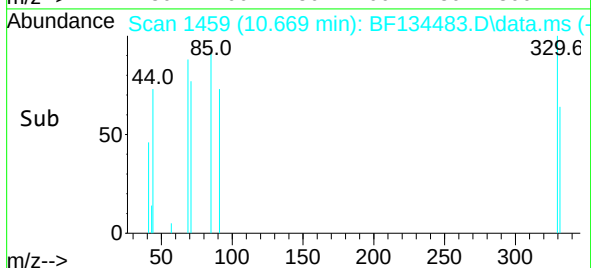
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023

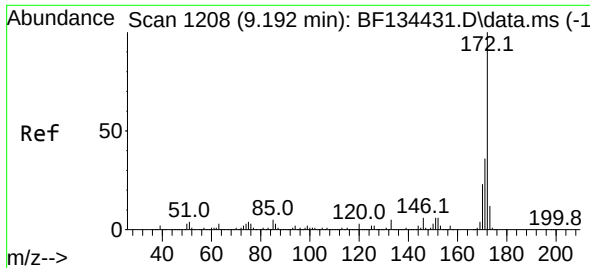


#42
2,4,6-Tribromophenol
Concen: 0.136 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.000 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43



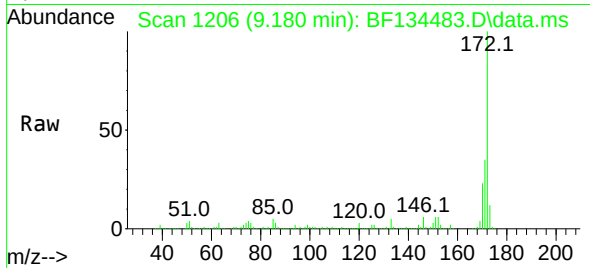
Tgt Ion:330 Resp: 256
Ion Ratio Lower Upper
330 100
332 102.0 78.8 118.2
141 39.5 25.4 38.2#





#45
2-Fluorobiphenyl
Concen: 58.215 ng
RT: 9.180 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

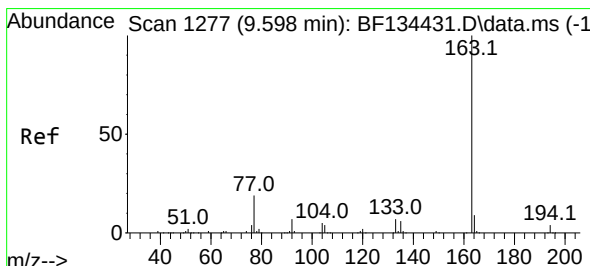
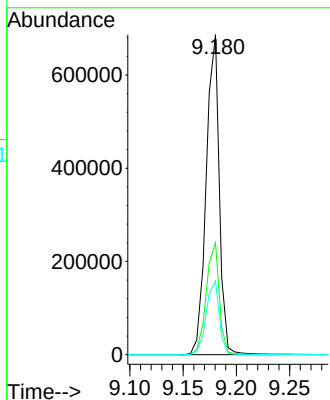
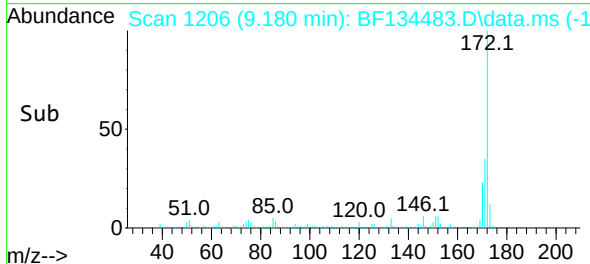
Instrument :
BNA_F
ClientSampleId :
CONC-3



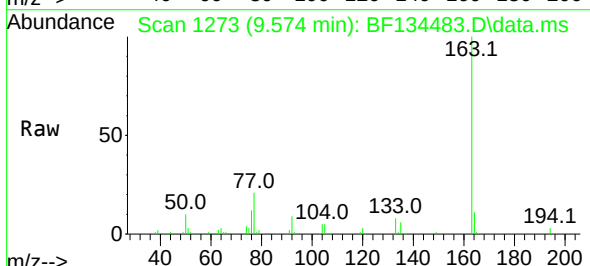
Tgt Ion:172 Resp: 58963
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.0 18.7 28.1

Manual Integrations
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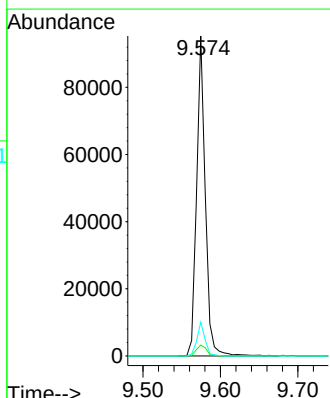
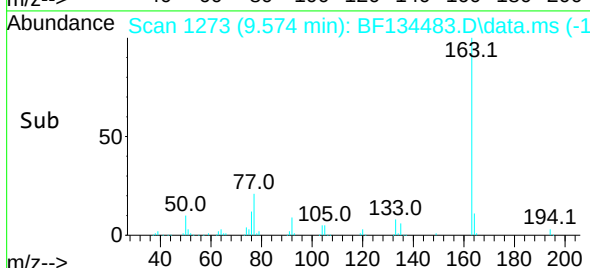
Reviewed By :Yogesh Patel 07/27/2023
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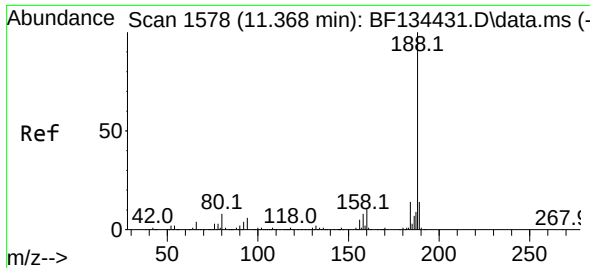


#50
Dimethylphthalate
Concen: 7.524 ng
RT: 9.574 min Scan# 1273
Delta R.T. -0.024 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43



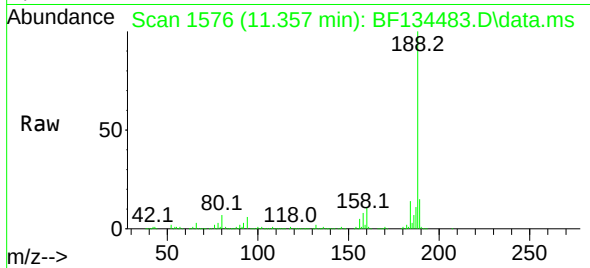
Tgt Ion:163 Resp: 74160
Ion Ratio Lower Upper
163 100
194 3.4 3.3 4.9
164 10.6 7.5 11.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

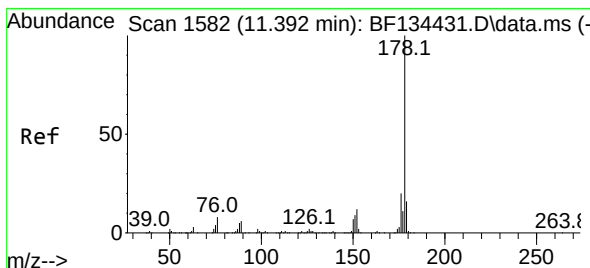
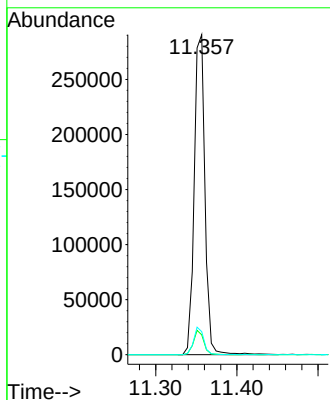
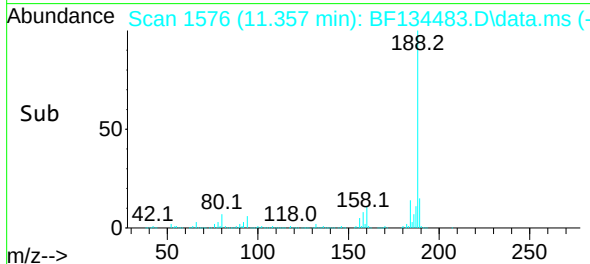
Instrument :
BNA_F
ClientSampleId :
CONC-3



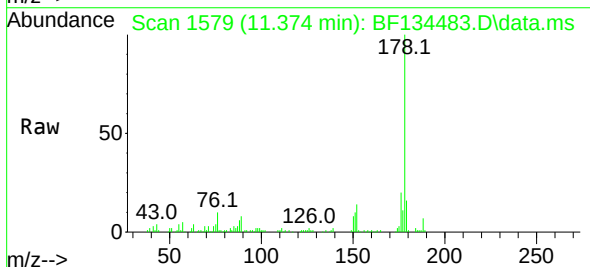
Tgt Ion:188 Resp: 26874
Ion Ratio Lower Upper
188 100
94 6.2 5.1 7.7
80 7.2 6.6 9.8

Manual Integrations
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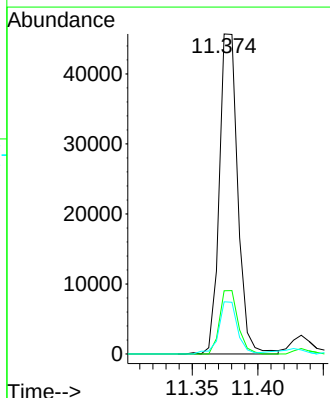
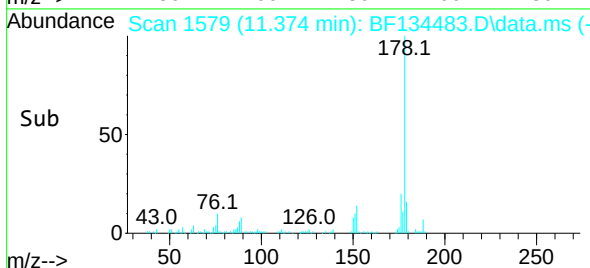
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023

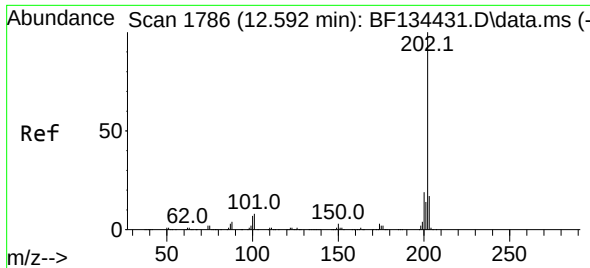


#71
Phenanthrene
Concen: 3.176 ng
RT: 11.374 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43



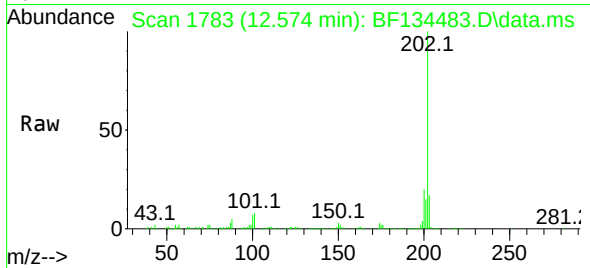
Tgt Ion:178 Resp: 44593
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 16.3 12.7 19.1





#75
Fluoranthene
Concen: 10.424 ng
RT: 12.574 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

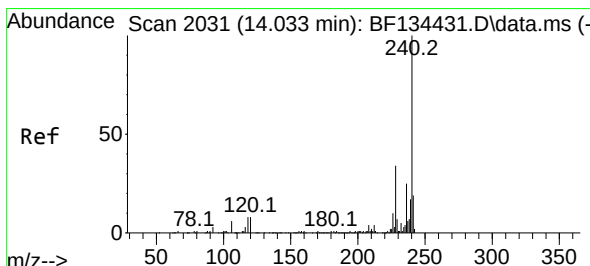
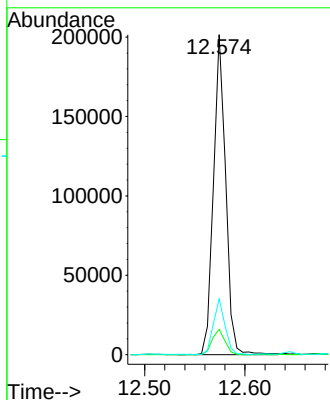
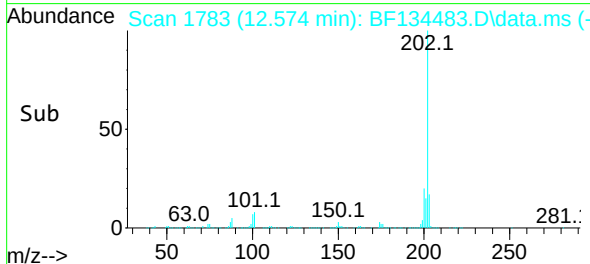
Instrument :
BNA_F
ClientSampleId :
CONC-3



Tgt Ion:202 Resp: 17058
Ion Ratio Lower Upper
202 100
101 7.9 0.0 28.5
203 17.4 0.0 37.5

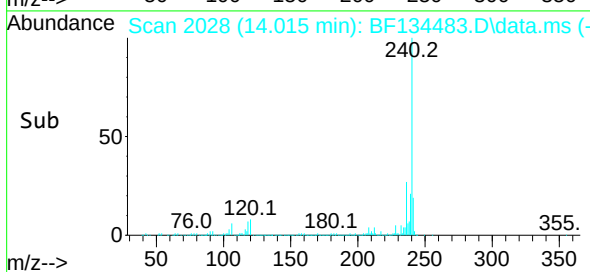
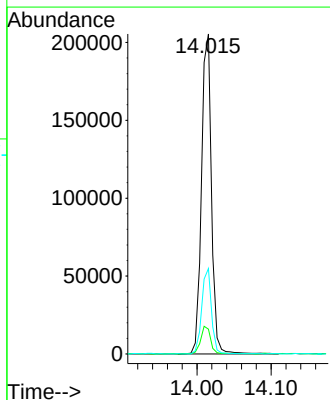
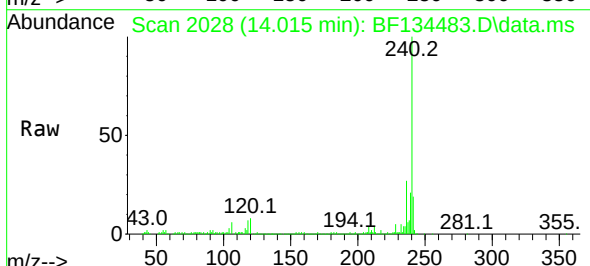
Manual Integrations
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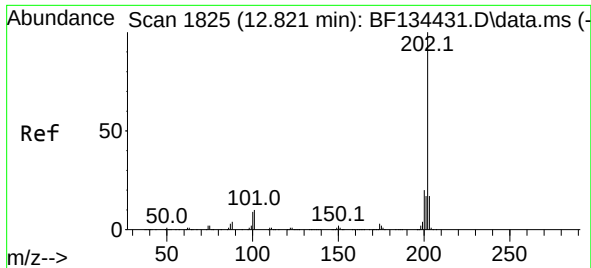
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.018 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

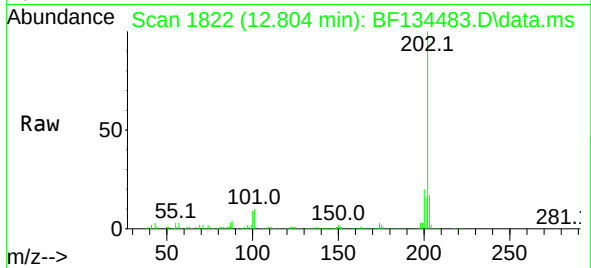
Tgt Ion:240 Resp: 192025
Ion Ratio Lower Upper
240 100
120 7.7 6.6 10.0
236 26.7 20.2 30.2





#78
Pyrene
Concen: 9.386 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.018 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

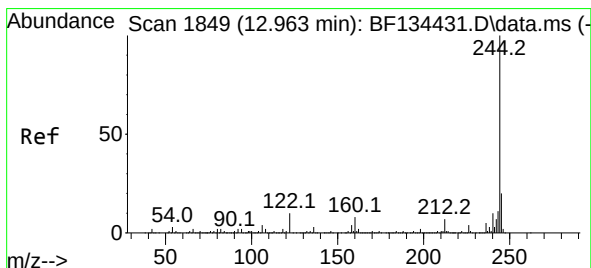
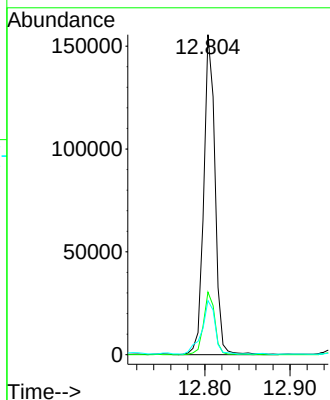
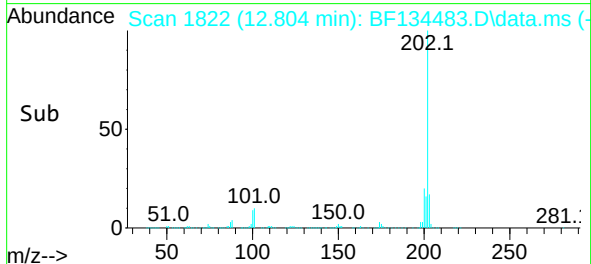
Instrument :
BNA_F
ClientSampleId :
CONC-3



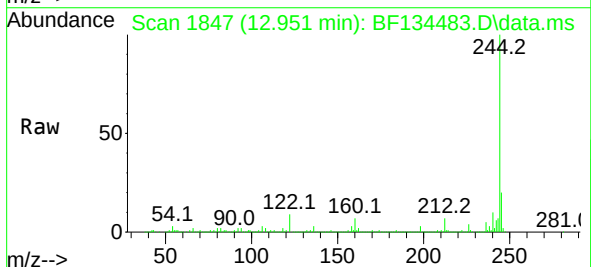
Tgt Ion:202 Resp: 143315
Ion Ratio Lower Upper
202 100
200 19.5 15.8 23.8
203 16.9 13.5 20.3

Manual Integrations
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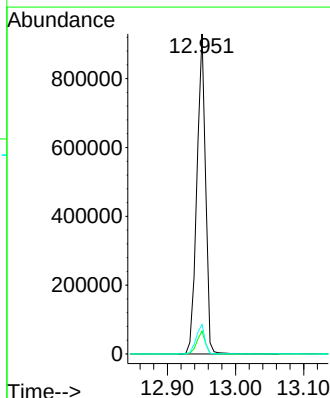
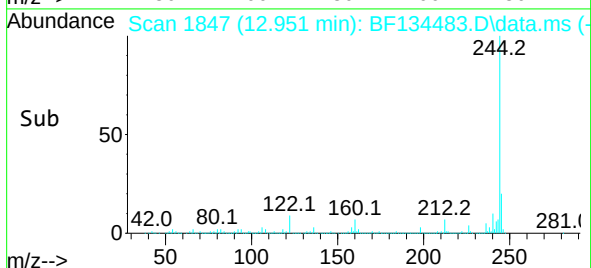
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023

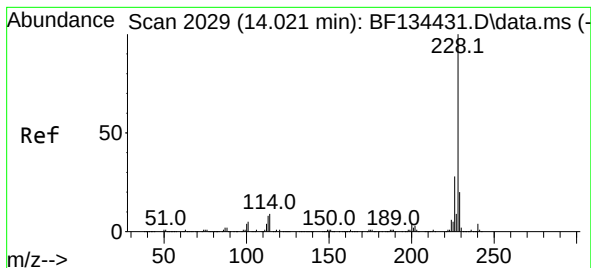


#79
Terphenyl-d14
Concen: 74.727 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43



Tgt Ion:244 Resp: 822004
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 9.2 8.0 12.0





#81

Benzo(a)anthracene

Concen: 3.315 ng

RT: 14.004 min Scan# 2029

Delta R.T. -0.018 min

Lab File: BF134483.D

Acq: 26 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CONC-3

Tgt Ion:228 Resp: 4441

Ion Ratio Lower Upper

228 100

226 26.5 22.3 33.5

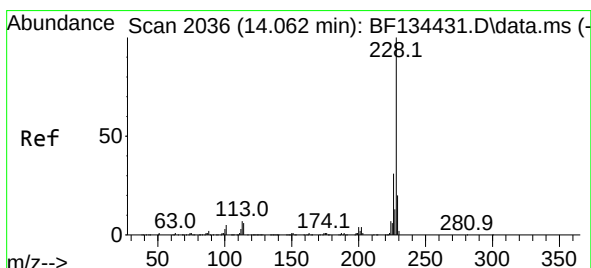
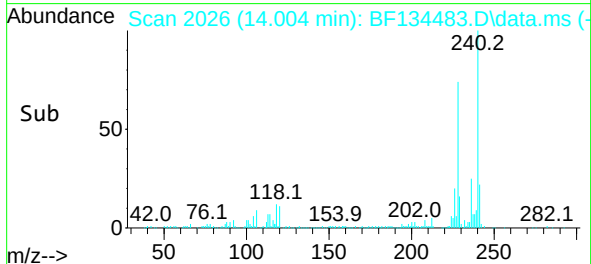
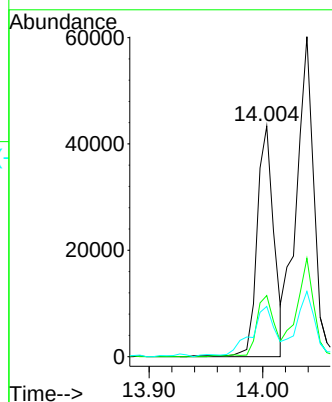
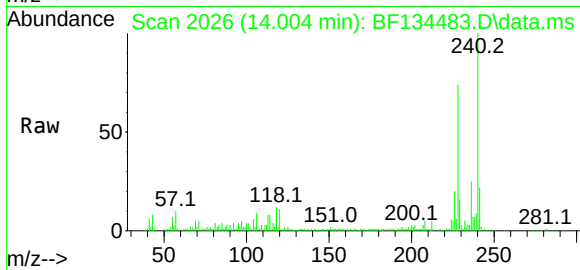
229 21.8 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/27/2023

Supervised By :mohammad ahmed 07/27/2023



#83

Chrysene

Concen: 5.053 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.024 min

Lab File: BF134483.D

Acq: 26 Jul 2023 15:43

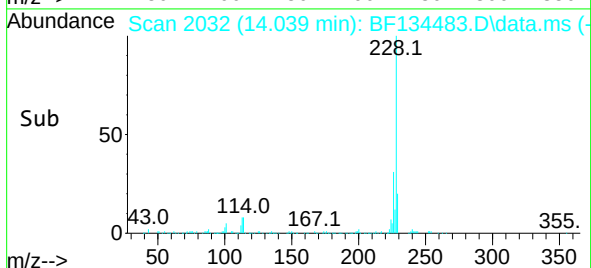
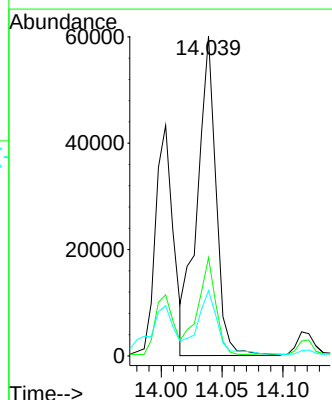
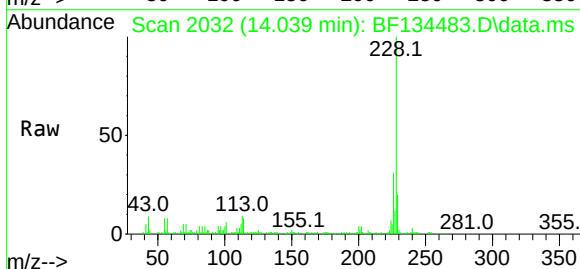
Tgt Ion:228 Resp: 64748

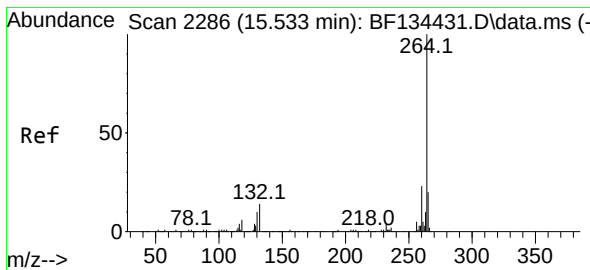
Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

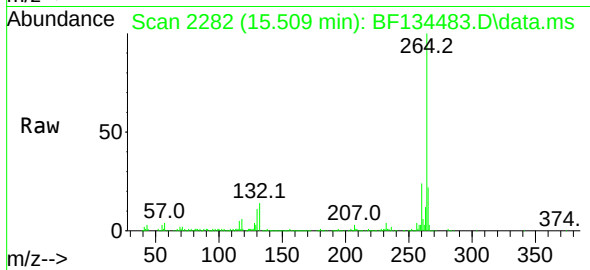
229 20.4 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43

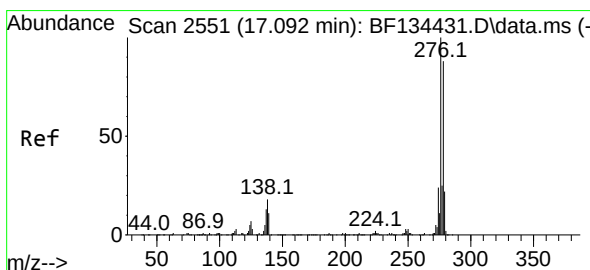
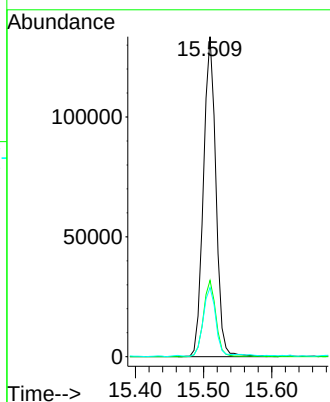
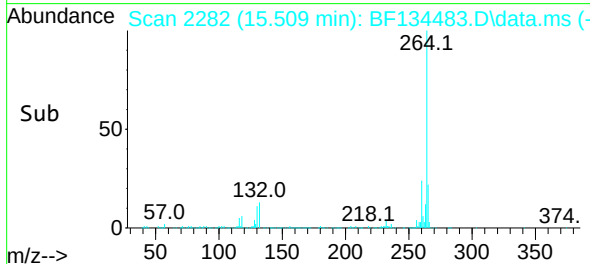
Instrument :
BNA_F
ClientSampleId :
CONC-3



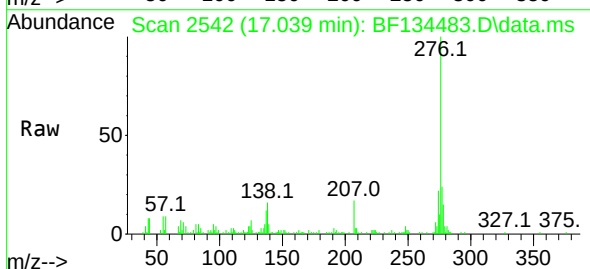
Tgt Ion:264 Resp: 170660
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 21.6 15.8 23.8

Manual Integrations
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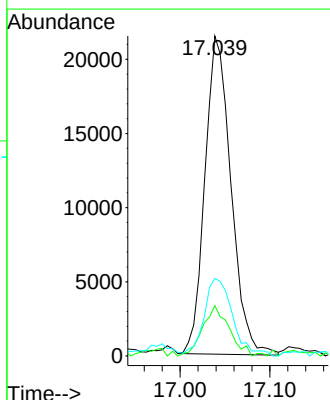
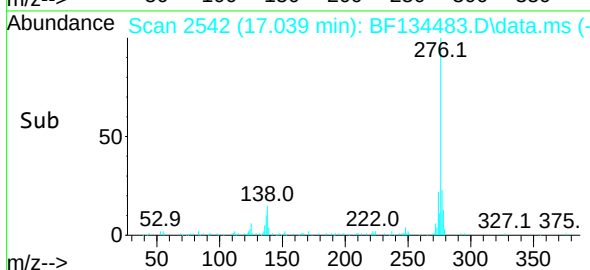
Reviewed By :Yogesh Patel 07/27/2023
Supervised By :mohammad ahmed 07/27/2023

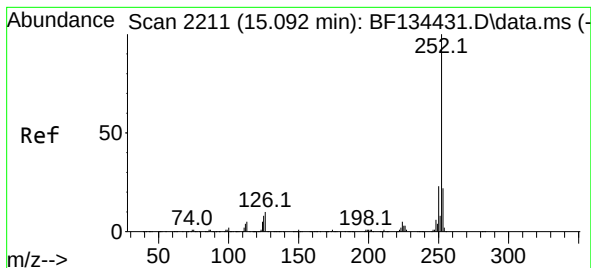


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.896 ng
RT: 17.039 min Scan# 2542
Delta R.T. -0.053 min
Lab File: BF134483.D
Acq: 26 Jul 2023 15:43



Tgt Ion:276 Resp: 43440
Ion Ratio Lower Upper
276 100
138 16.0 14.2 21.4
277 26.4 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 6.974 ng m

RT: 15.068 min Scan# 2211

Delta R.T. -0.024 min

Lab File: BF134483.D

Acq: 26 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

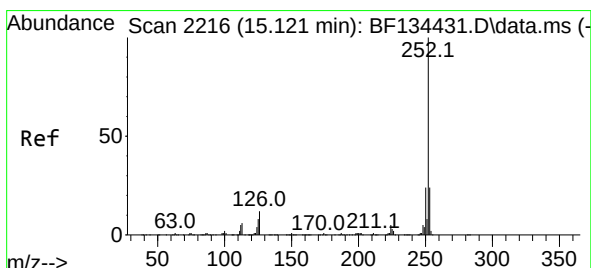
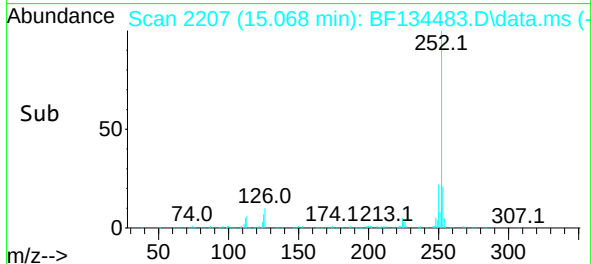
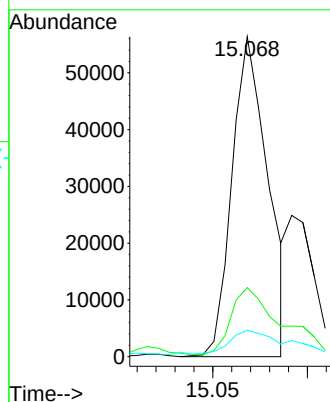
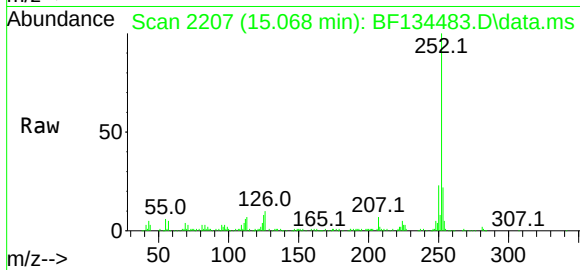
CONC-3

Tgt Ion:252 Resp: 74459
 Ion Ratio Lower Upper
 252 100
 253 21.6 17.3 25.9
 125 8.3 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/27/2023
 Supervised By :mohammad ahmed 07/27/2023



#89

Benzo(k)fluoranthene

Concen: 2.309 ng m

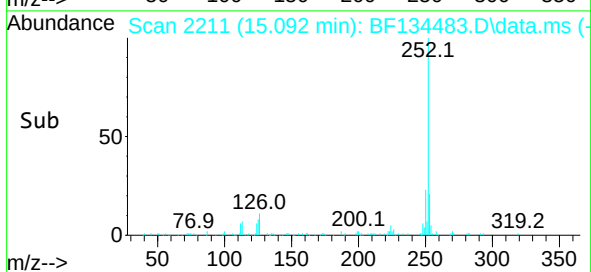
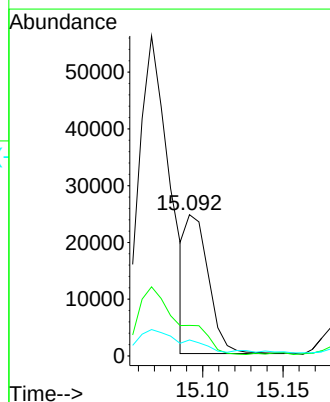
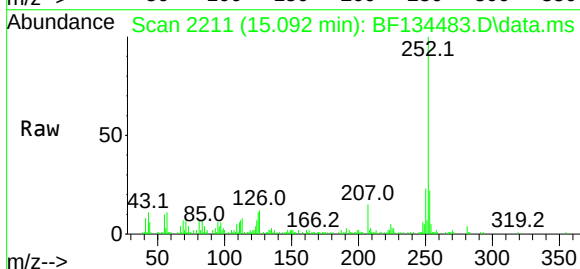
RT: 15.092 min Scan# 2211

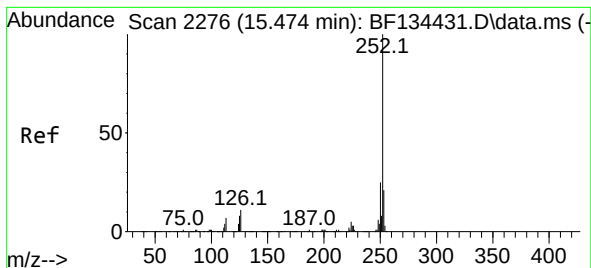
Delta R.T. -0.029 min

Lab File: BF134483.D

Acq: 26 Jul 2023 15:43

Tgt Ion:252 Resp: 24241
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.9 26.9
 125 11.3 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 4.312 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134483.D

Acq: 26 Jul 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CONC-3

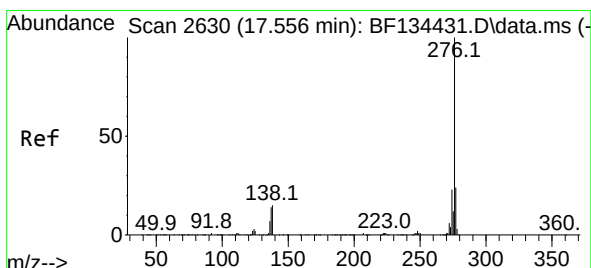
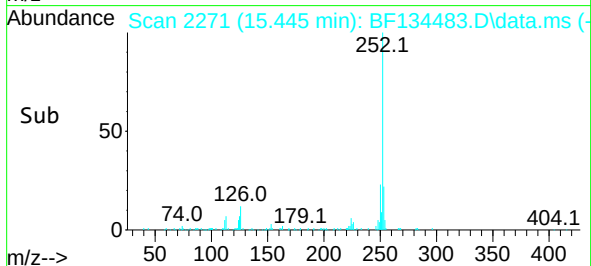
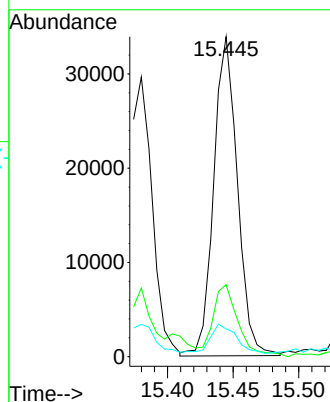
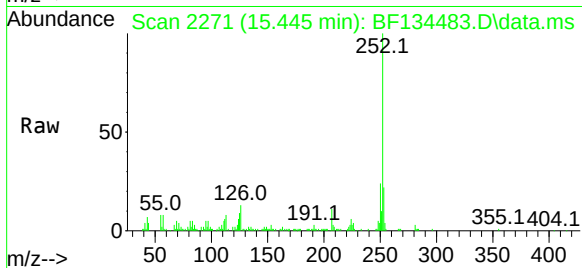
Tgt Ion:	252	Resp:	4255
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.4
125	8.7	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/27/2023

Supervised By :mohammad ahmed 07/27/2023



#92

Benzo(g,h,i)perylene

Concen: 4.900 ng m

RT: 17.509 min Scan# 2622

Delta R.T. -0.047 min

Lab File: BF134483.D

Acq: 26 Jul 2023 15:43

Tgt Ion:	276	Resp:	45305
Ion Ratio	Lower	Upper	
276	100		
277	27.7	19.0	28.6
138	20.0	12.2	18.2

