

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135995.D
 Acq On : 27 Oct 2023 20:39
 Operator : CG\JU
 Sample : 04767-06DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q-4(0-5)DL

Quant Time: Oct 27 22:36:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	158425	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	589976	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	253443	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	398809	20.000	ng	0.00
76) Chrysene-d12	14.010	240	343133	20.000	ng	0.00
86) Perylene-d12	15.498	264	250810	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	131053	12.774	ng	-0.01
7) Phenol-d6	6.445	99	159808	12.512	ng	-0.01
23) Nitrobenzene-d5	7.381	82	80094	17.546	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	23536	10.610	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	171978	10.866	ng	0.00
79) Terphenyl-d14	12.951	244	166152	8.090	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	58064	2.036	ng	100
71) Phenanthrene	11.375	178	99496	4.931	ng	99
75) Fluoranthene	12.569	202	138123	6.507	ng	97
78) Pyrene	12.798	202	142952	4.962	ng	99
81) Benzo(a)anthracene	13.998	228	72253m	3.097	ng	
83) Chrysene	14.033	228	61145	2.691	ng	95
88) Benzo(b)fluoranthene	15.057	252	53063m	3.555	ng	
90) Benzo(a)pyrene	15.427	252	40529	2.946	ng	# 91
92) Benzo(g,h,i)perylene	17.457	276	18645	5.000	ng	# 87

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

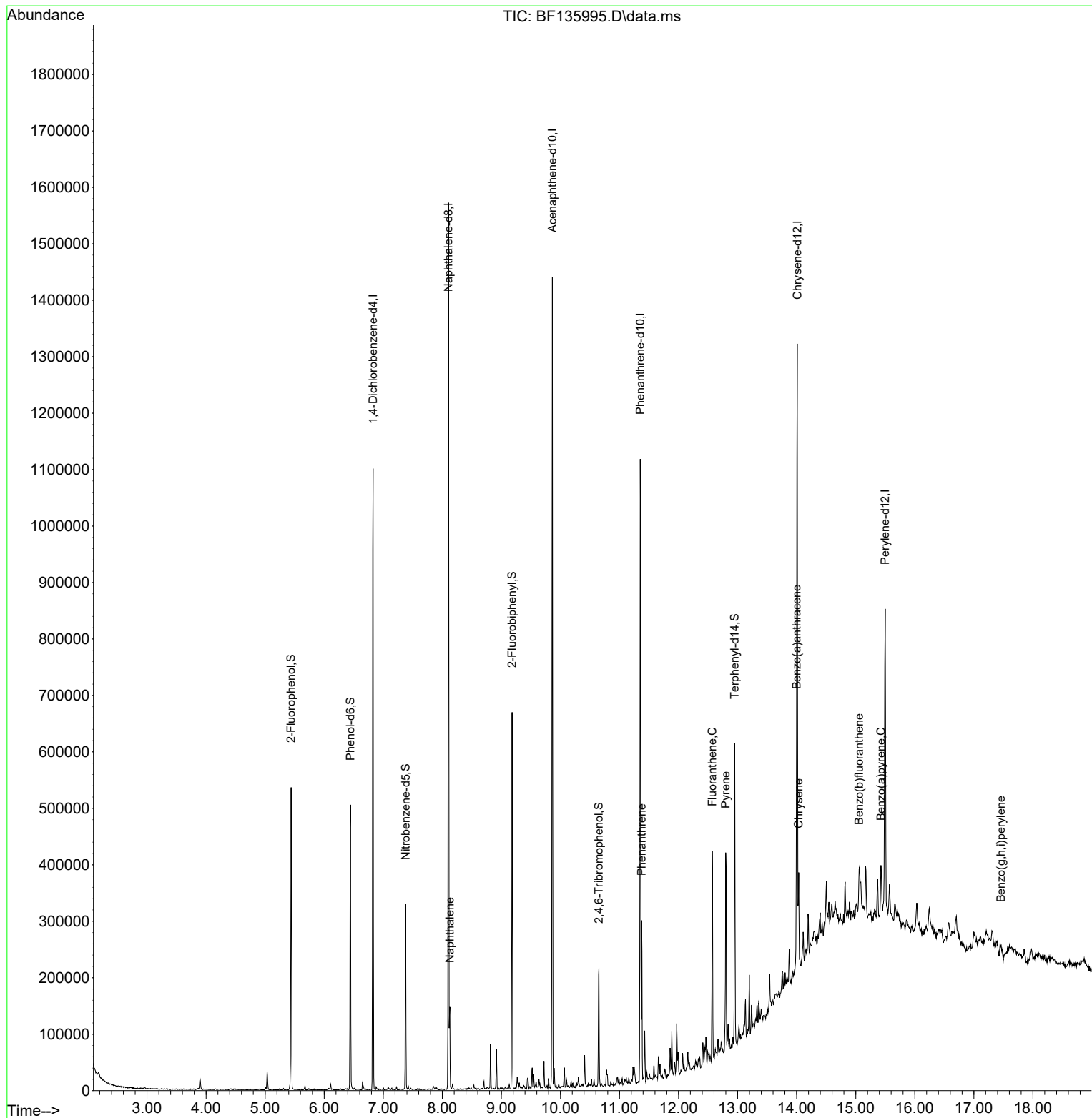
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
Data File : BF135995.D
Acq On : 27 Oct 2023 20:39
Operator : CG\JU
Sample : 04767-06DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

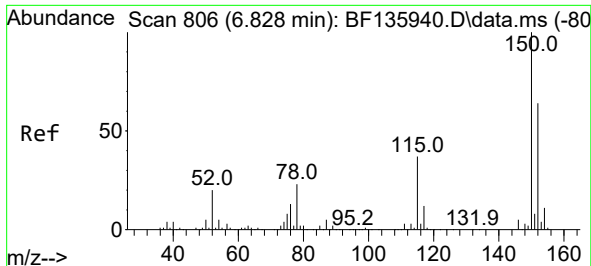
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL

Quant Time: Oct 27 22:36:01 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
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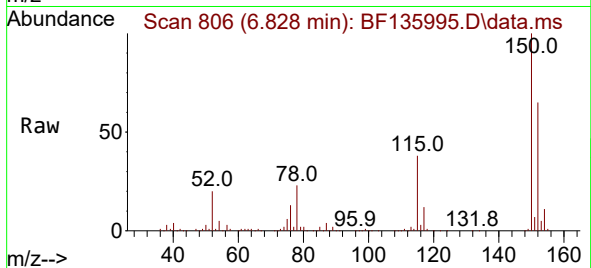
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

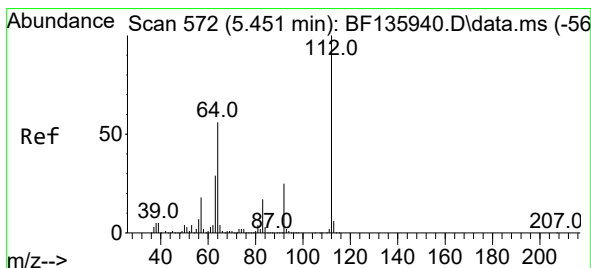
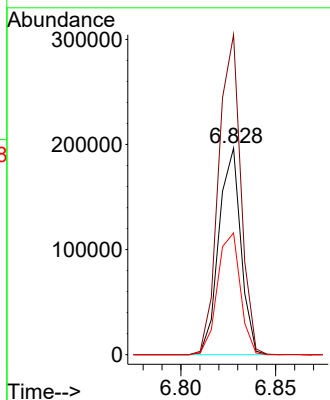
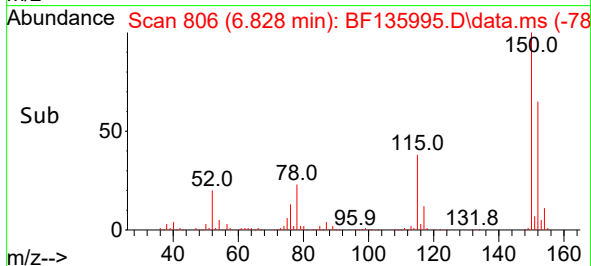
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL



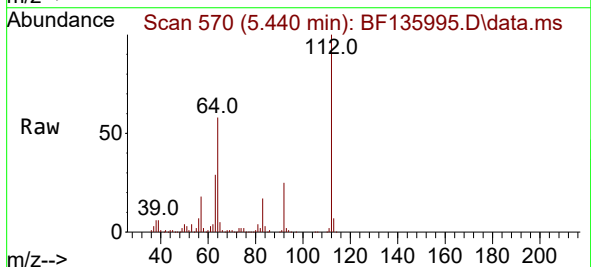
Tgt Ion:152 Resp: 158425
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 59.0 46.6 69.8

Manual Integrations
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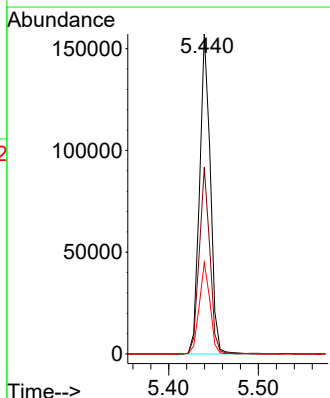
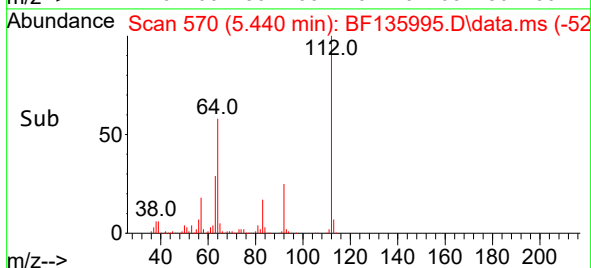
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

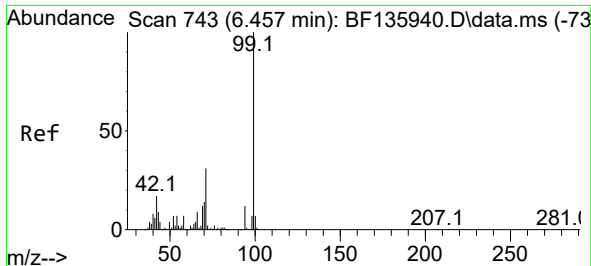


#5
2-Fluorophenol
Concen: 12.774 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.012 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39



Tgt Ion:112 Resp: 131053
Ion Ratio Lower Upper
112 100
64 58.4 45.1 67.7
63 28.6 23.0 34.4





#7

Phenol-d6

Concen: 12.512 ng

RT: 6.445 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF135995.D

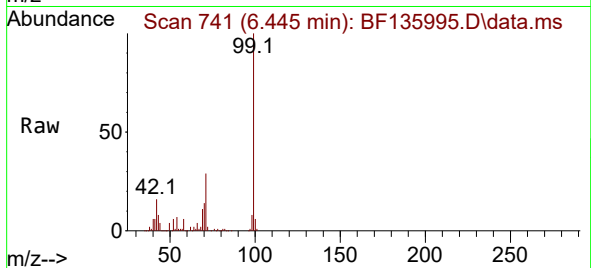
Acq: 27 Oct 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)DL



Tgt Ion: 99 Resp: 159808

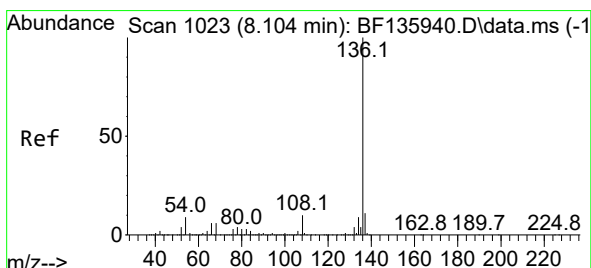
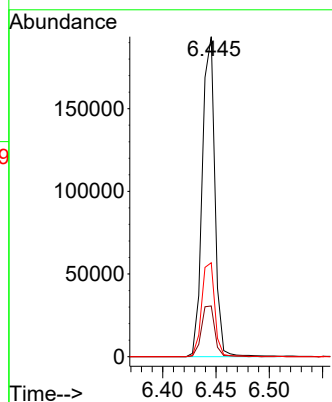
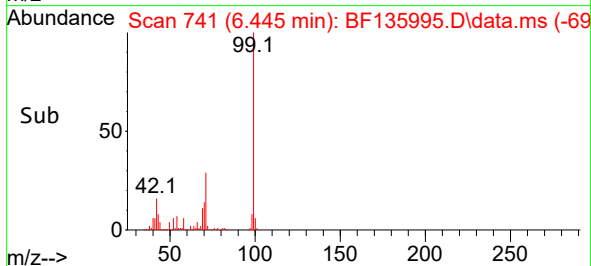
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.8	20.8
71	29.4	25.1	37.7

Manual Integrations

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Supervised By :mohammad ahmed 10/28/2023



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.104 min Scan# 1023

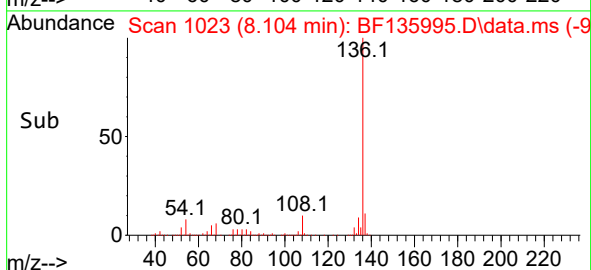
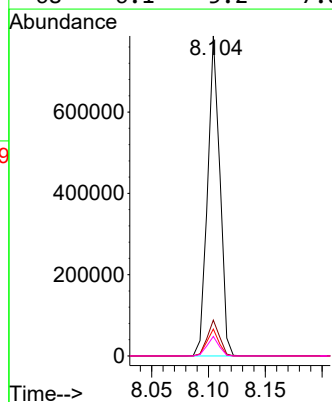
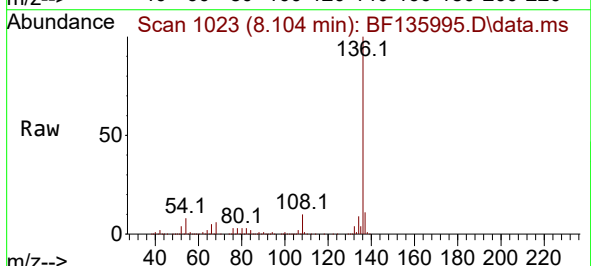
Delta R.T. 0.000 min

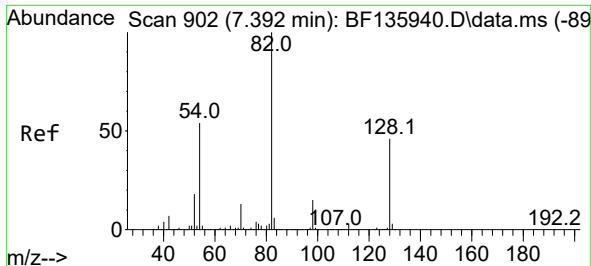
Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

Tgt Ion:136 Resp: 589976

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	8.4	7.1	10.7
68	6.1	5.2	7.8





#23

Nitrobenzene-d5

Concen: 17.546 ng

RT: 7.381 min Scan# 90

Delta R.T. -0.011 min

Lab File: BF135995.D

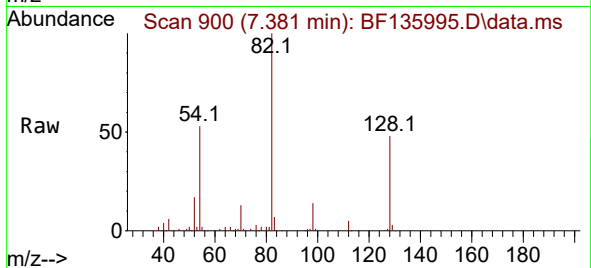
Acq: 27 Oct 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)DL



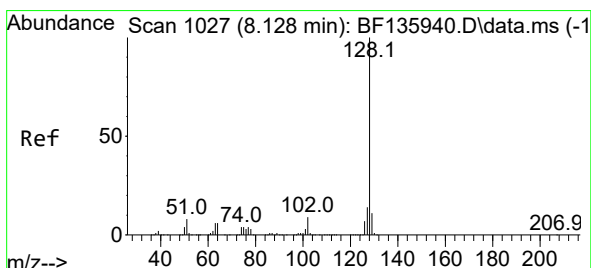
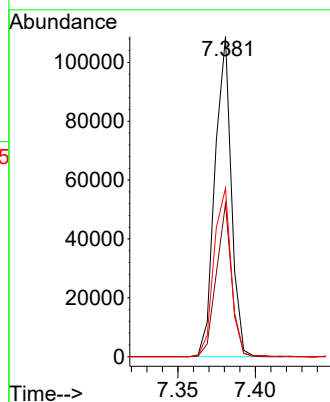
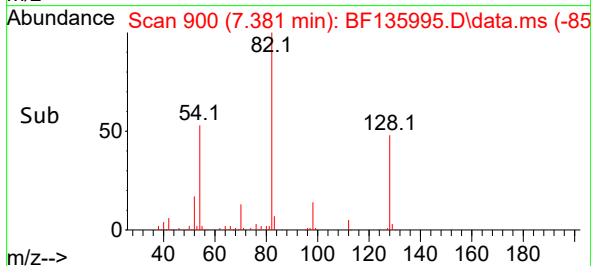
Tgt Ion:	82	Resp:	80094
Ion Ratio	Lower	Upper	
82	100		
128	47.8	36.8	55.2
54	52.7	43.4	65.0

Manual Integrations

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#31

Naphthalene

Concen: 2.036 ng

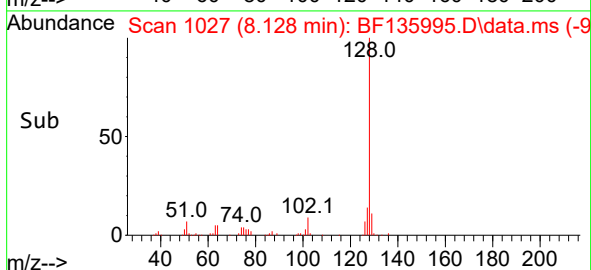
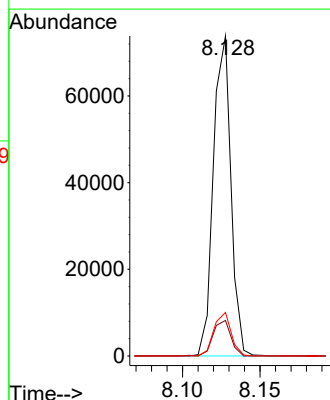
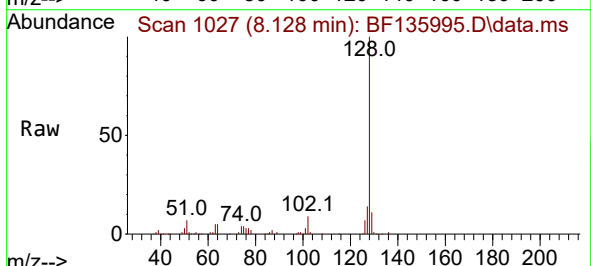
RT: 8.128 min Scan# 1027

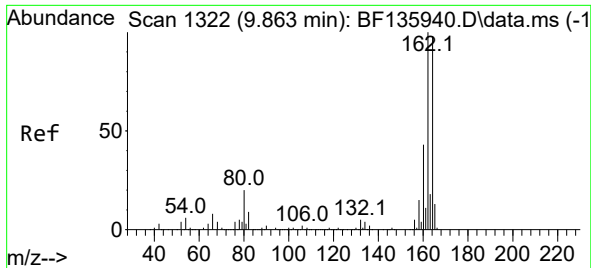
Delta R.T. 0.000 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

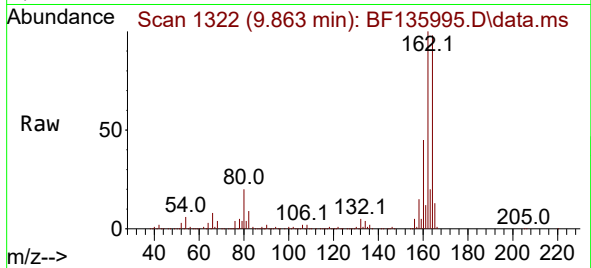
Tgt Ion:	128	Resp:	58064
Ion Ratio	Lower	Upper	
128	100		
129	11.1	9.0	13.6
127	13.6	10.9	16.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

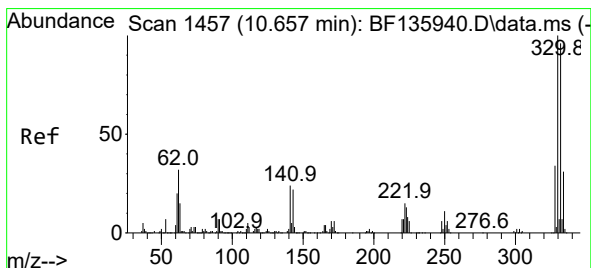
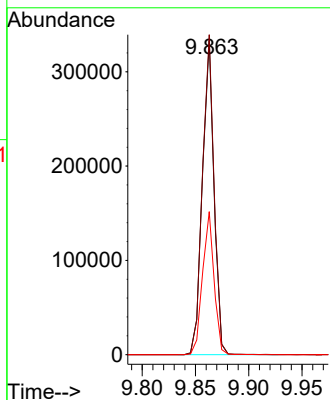
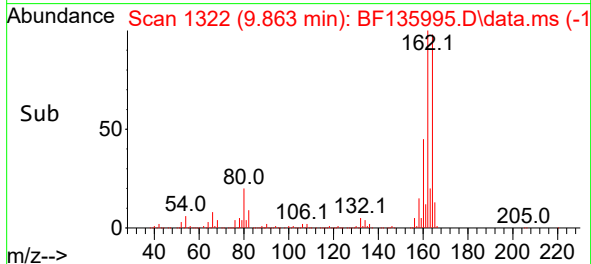
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL



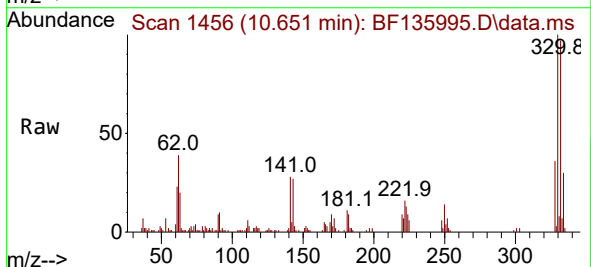
Tgt Ion:164 Resp: 25344
Ion Ratio Lower Upper
164 100
162 101.9 82.0 123.0
160 45.5 35.6 53.4

Manual Integrations
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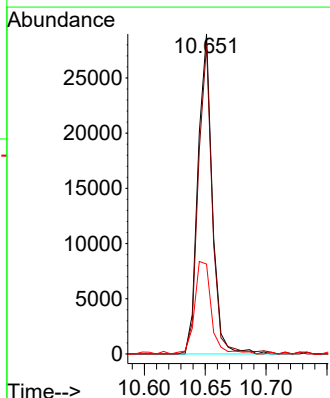
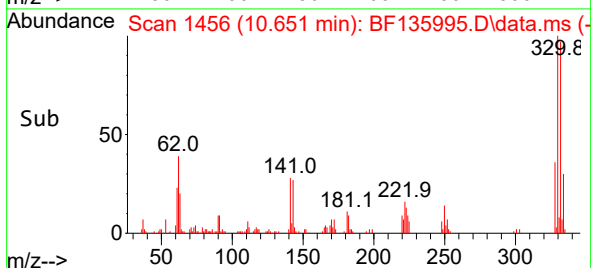
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

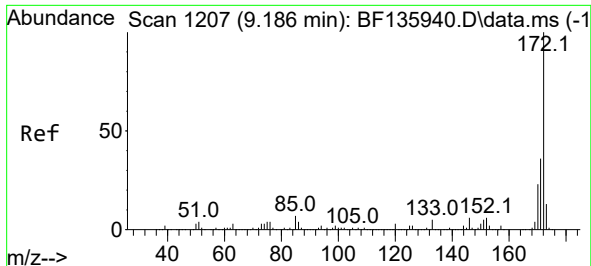


#42
2,4,6-Tribromophenol
Concen: 10.610 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39



Tgt Ion:330 Resp: 23536
Ion Ratio Lower Upper
330 100
332 94.9 77.4 116.2
141 33.9 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 10.866 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF135995.D

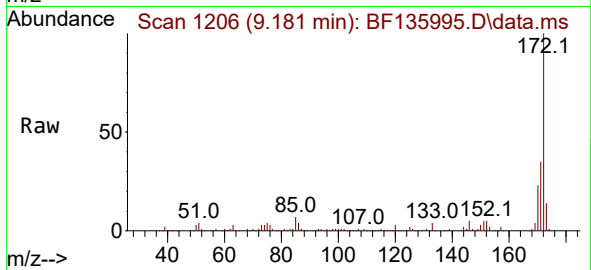
Acq: 27 Oct 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)DL



Tgt Ion:172 Resp: 171978

Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

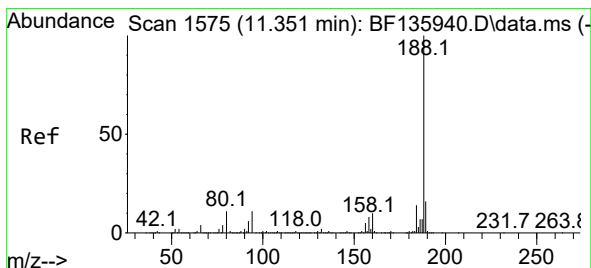
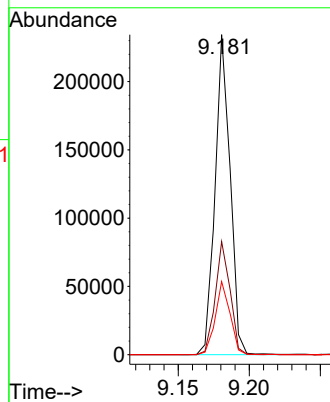
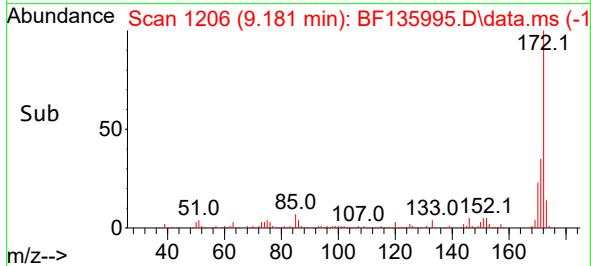
170 22.8 18.6 28.0

Manual Integrations

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Supervised By :mohammad ahmed 10/28/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1575

Delta R.T. 0.000 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

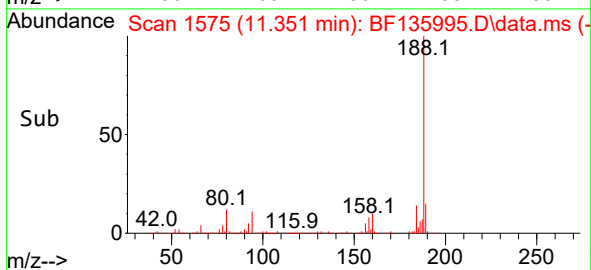
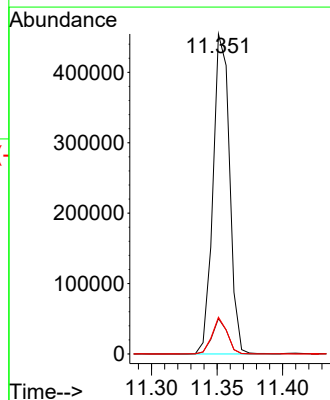
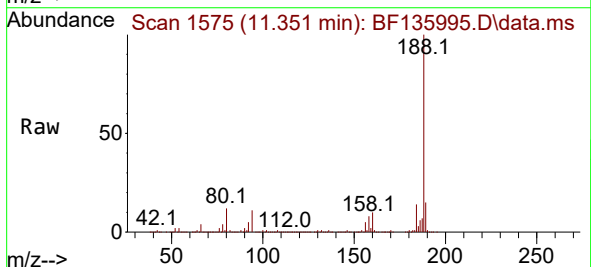
Tgt Ion:188 Resp: 398809

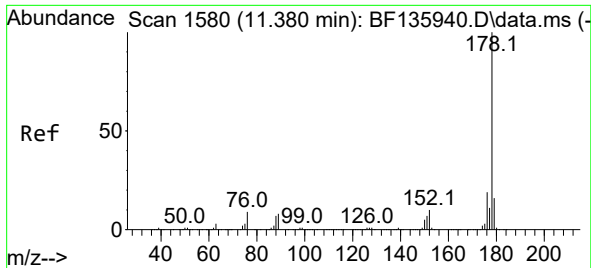
Ion Ratio Lower Upper

188 100

94 11.1 8.6 13.0

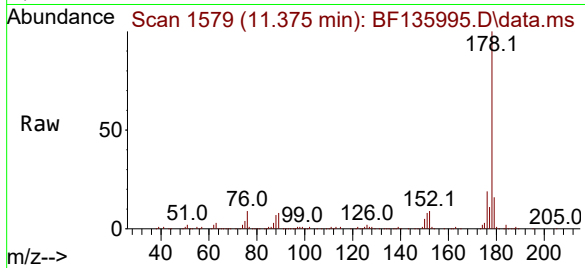
80 11.5 9.0 13.6





#71
Phenanthrene
Concen: 4.931 ng
RT: 11.375 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

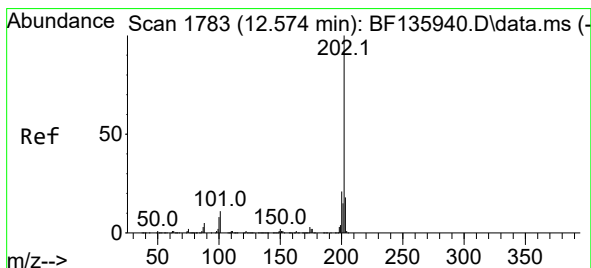
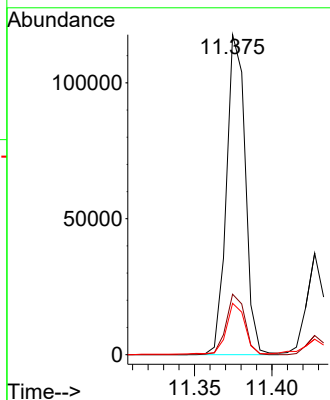
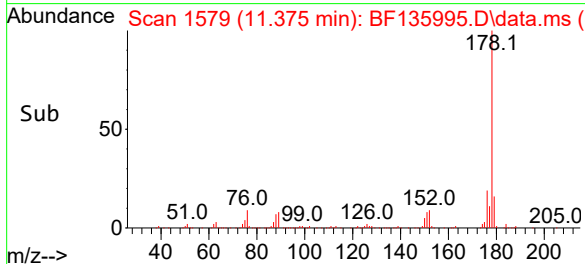
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL



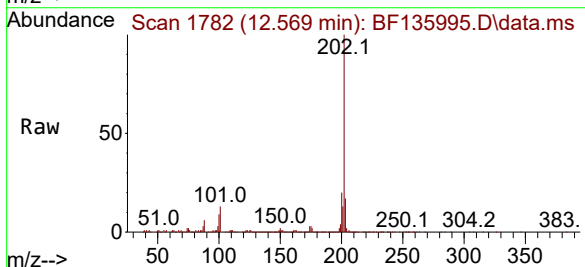
Tgt Ion:178 Resp: 99490
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 16.0 12.5 18.7

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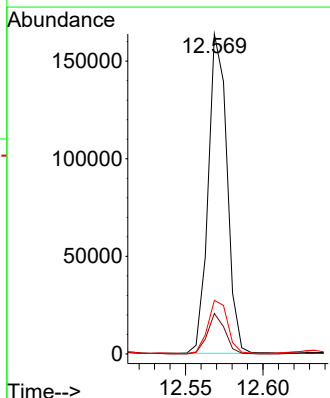
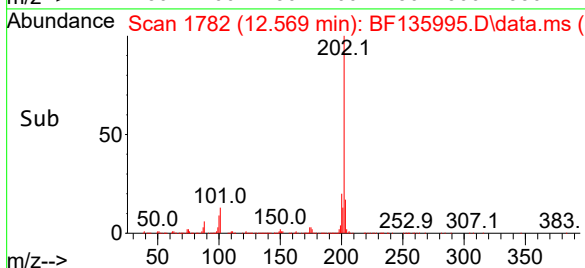
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023

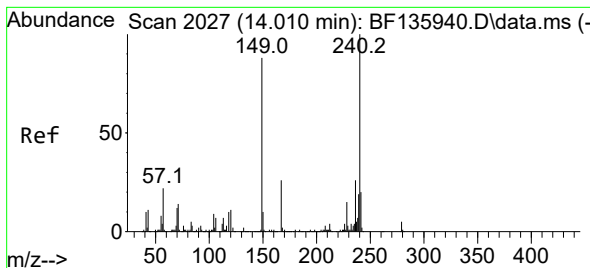


#75
Fluoranthene
Concen: 6.507 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39



Tgt Ion:202 Resp: 138123
Ion Ratio Lower Upper
202 100
101 12.7 0.0 30.6
203 16.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

Instrument :

BNA_F

ClientSampleId :

Q-4(0-5)DL

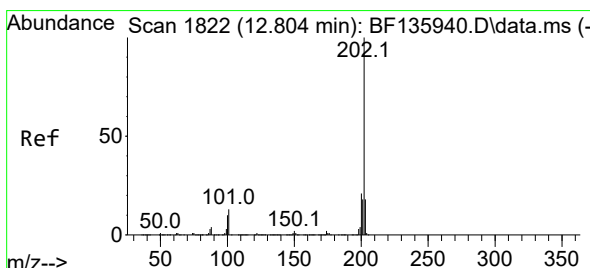
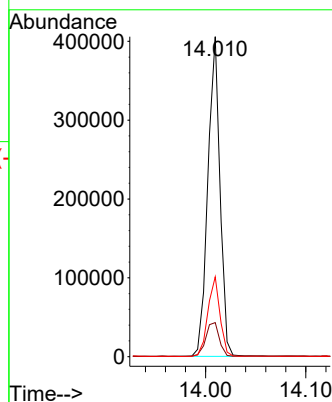
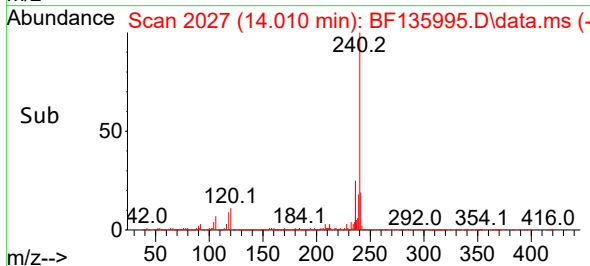
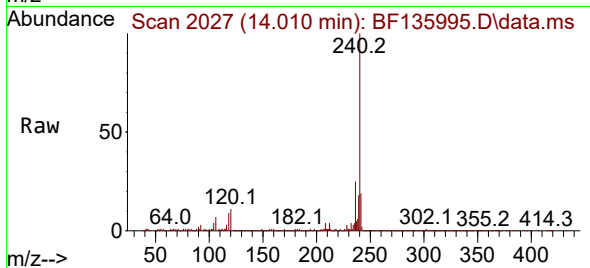
Tgt Ion:240 Resp: 34313
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.6 13.0
 236 25.0 20.6 30.8

Manual Integrations

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Supervised By :mohammad ahmed 10/28/2023



#78

Pyrene

Concen: 4.962 ng

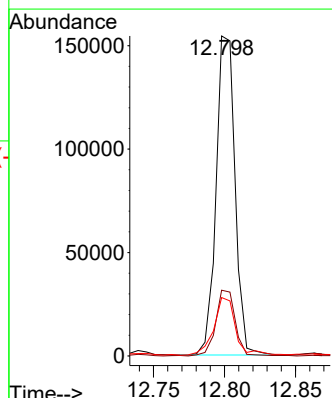
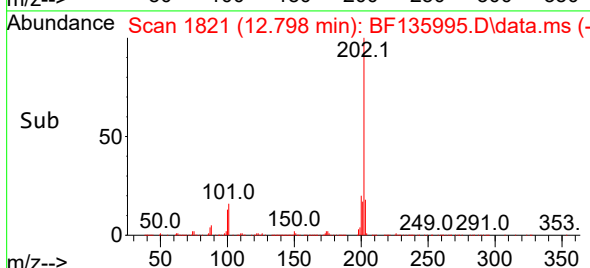
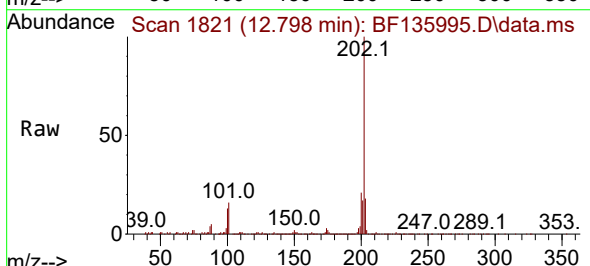
RT: 12.798 min Scan# 1821

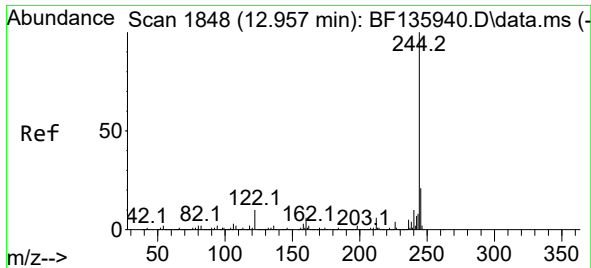
Delta R.T. -0.006 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

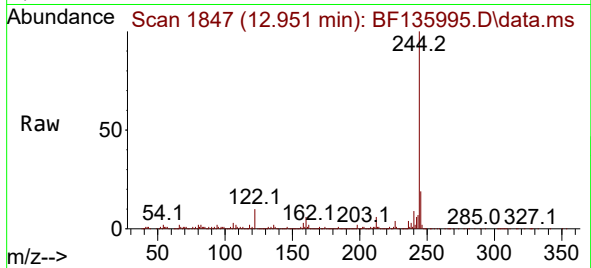
Tgt Ion:202 Resp: 142952
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.0 25.6
 203 18.3 14.5 21.7





#79
 Terphenyl-d14
 Concen: 8.090 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF135995.D
 Acq: 27 Oct 2023 20:39

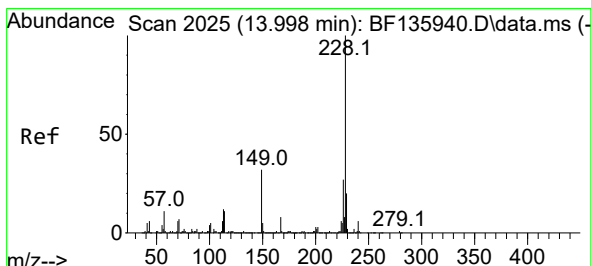
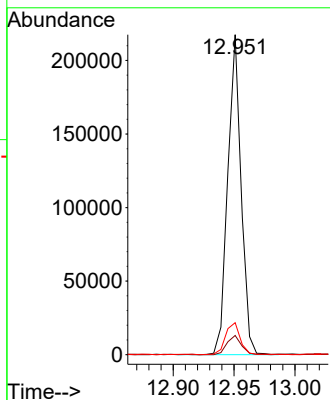
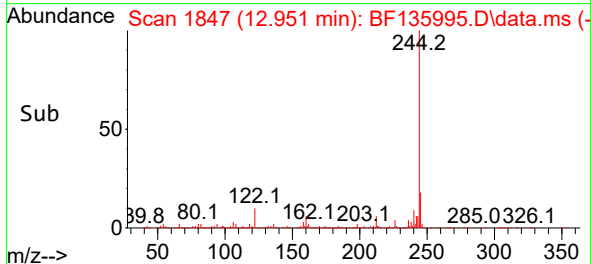
Instrument :
 BNA_F
 ClientSampleId :
 Q-4(0-5)DL



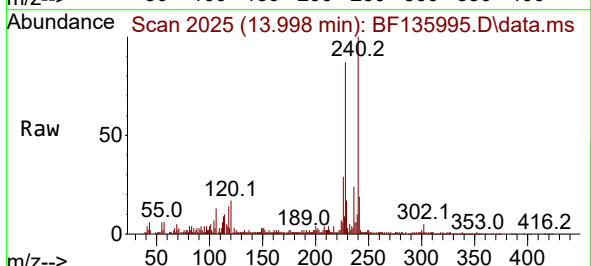
Tgt Ion:244 Resp: 166152
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.0 7.6
 122 10.0 8.0 12.0

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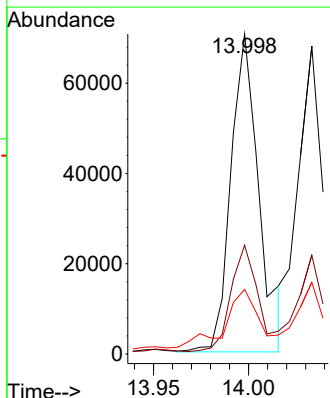
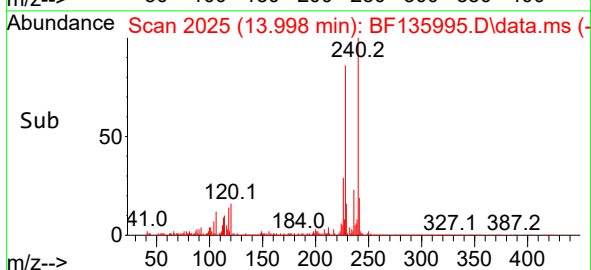
Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

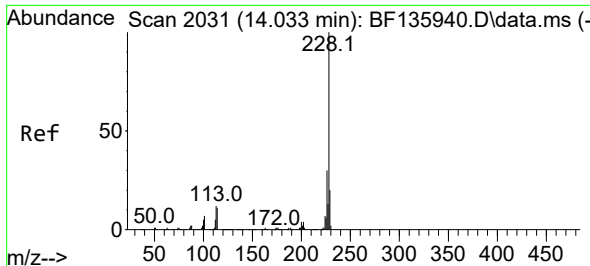


#81
 Benzo(a)anthracene
 Concen: 3.097 ng m
 RT: 13.998 min Scan# 2025
 Delta R.T. 0.000 min
 Lab File: BF135995.D
 Acq: 27 Oct 2023 20:39



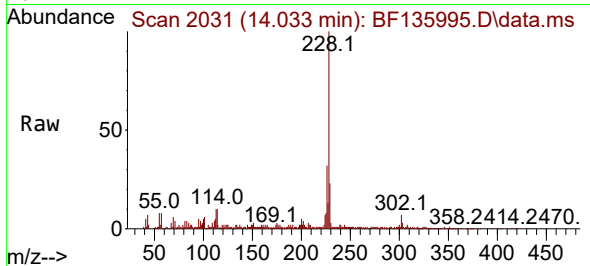
Tgt Ion:228 Resp: 72253
 Ion Ratio Lower Upper
 228 100
 226 34.0 21.8 32.6#
 229 20.1 16.2 24.4





#83
Chrysene
Concen: 2.691 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

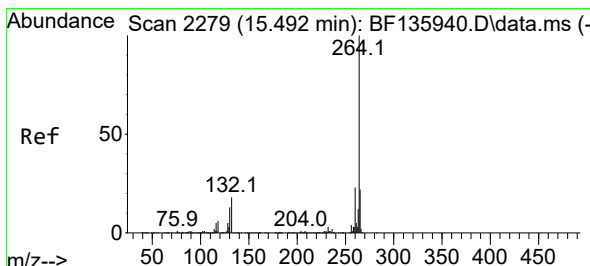
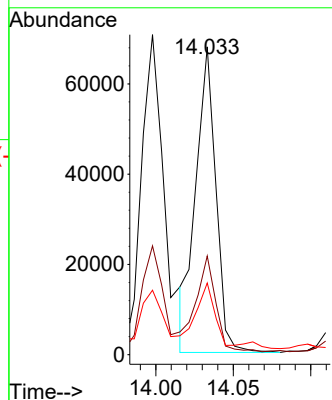
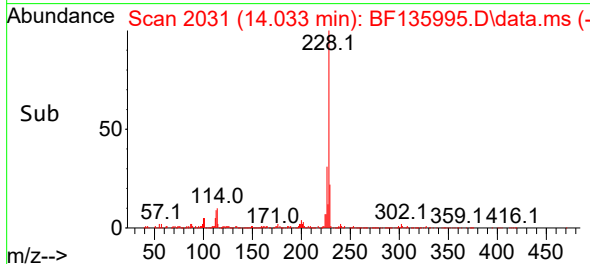
Instrument :
BNA_F
ClientSampleId :
Q-4(0-5)DL



Tgt Ion:228 Resp: 61145
Ion Ratio Lower Upper
228 100
226 32.0 23.9 35.9
229 23.3 16.2 24.2

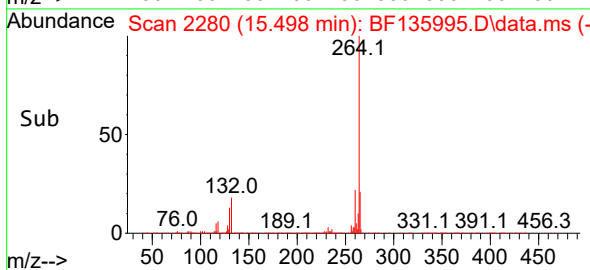
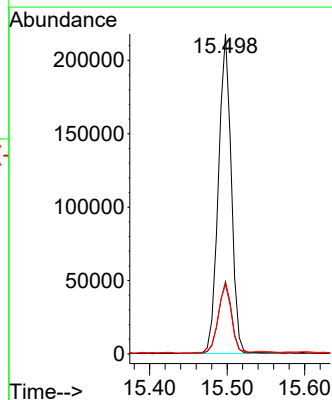
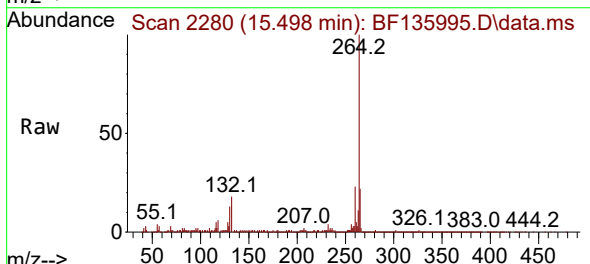
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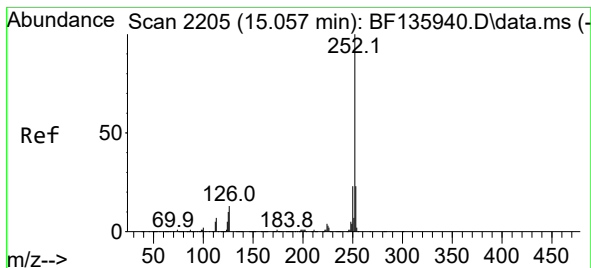
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF135995.D
Acq: 27 Oct 2023 20:39

Tgt Ion:264 Resp: 250810
Ion Ratio Lower Upper
264 100
260 22.6 18.6 28.0
265 21.7 17.3 25.9





#88

Benzo(b)fluoranthene

Concen: 3.555 ng m

RT: 15.057 min Scan# 2205

Delta R.T. 0.000 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

Instrument :

BNF_F

ClientSampleId :

Q-4(0-5)DL

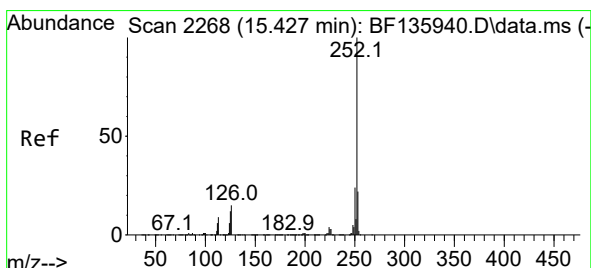
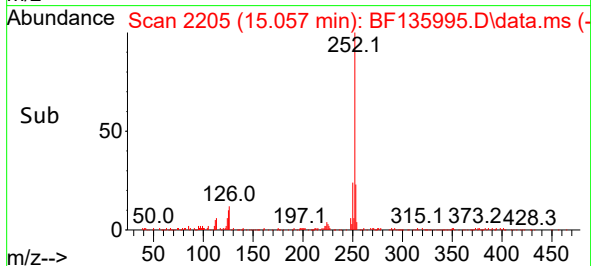
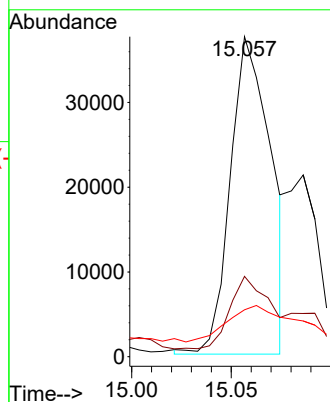
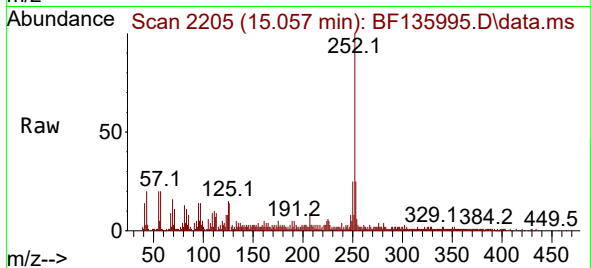
Tgt Ion:252	Resp:	5306
Ion Ratio	Lower	Upper
252	100	
253	25.1	18.0 27.0
125	14.6	8.2 12.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#90

Benzo(a)pyrene

Concen: 2.946 ng

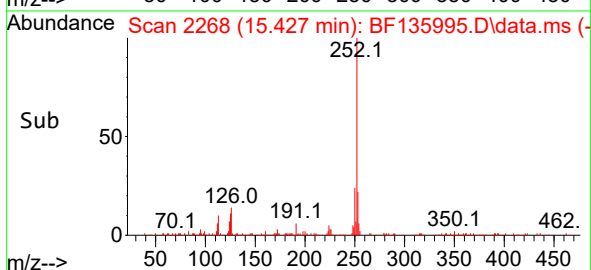
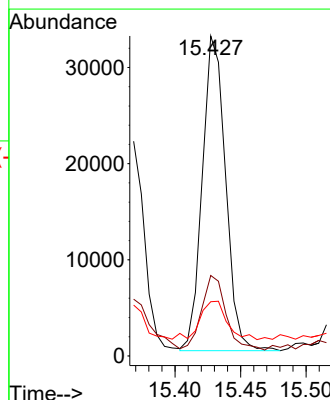
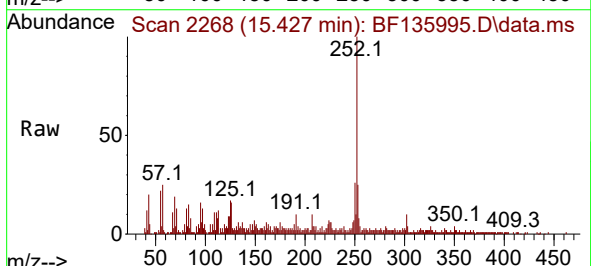
RT: 15.427 min Scan# 2268

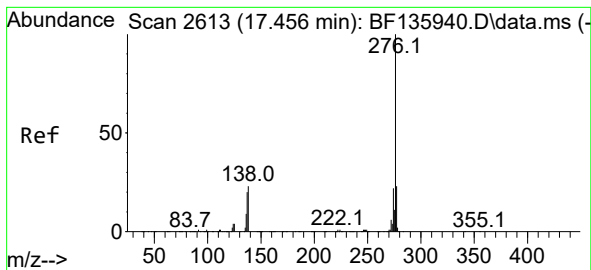
Delta R.T. 0.000 min

Lab File: BF135995.D

Acq: 27 Oct 2023 20:39

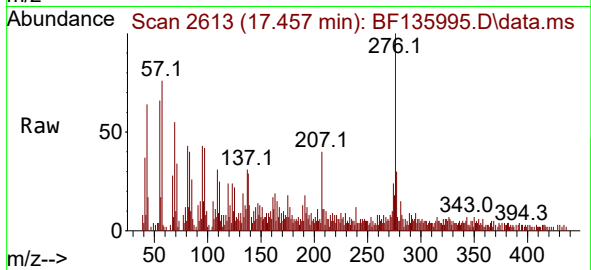
Tgt Ion:252	Resp:	40529
Ion Ratio	Lower	Upper
252	100	
253	25.2	17.4 26.2
125	17.0	9.6 14.4





#92
 Benzo(g,h,i)perylene
 Concen: 5.000 ng
 RT: 17.457 min Scan# 20
 Delta R.T. 0.001 min
 Lab File: BF135995.D
 Acq: 27 Oct 2023 20:39

Instrument :
 BNA_F
 ClientSampleId :
 Q-4(0-5)DL



Tgt Ion:	276	Resp:	1864
Ion Ratio	Lower	Upper	
276	100		
277	29.6	18.6	28.0
138	29.5	18.4	27.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

