

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
 Data File : BF135764.D
 Acq On : 13 Oct 2023 21:13
 Operator : CG\JU
 Sample : 04839-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-101023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

Quant Time: Oct 13 23:38:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 13 17:12:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	99580	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	353647	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	154099	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	252851	20.000	ng	0.00
76) Chrysene-d12	13.933	240	189849	20.000	ng	-0.01
86) Perylene-d12	15.415	264	147237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	589556	95.186	ng	0.00
7) Phenol-d6	6.387	99	725150	93.833	ng	-0.01
23) Nitrobenzene-d5	7.304	82	427426	66.473	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	123687	83.646	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	716316	72.678	ng	-0.01
79) Terphenyl-d14	12.863	244	618992	60.381	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	123112	10.164	ng	98
72) Anthracene	11.351	178	31760	2.530	ng	98
75) Fluoranthene	12.492	202	261970	19.487	ng	99
78) Pyrene	12.722	202	257700	17.082	ng	99
81) Benzo(a)anthracene	13.927	228	104662	8.393	ng	99
83) Chrysene	13.963	228	110000	9.107	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	45553	5.678	ng	94
88) Benzo(b)fluoranthene	14.986	252	118849m	14.423	ng	
89) Benzo(k)fluoranthene	15.010	252	41097m	5.137	ng	
90) Benzo(a)pyrene	15.357	252	81983	10.580	ng	95
92) Benzo(g,h,i)perylene	17.386	276	46512	6.885	ng	93

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

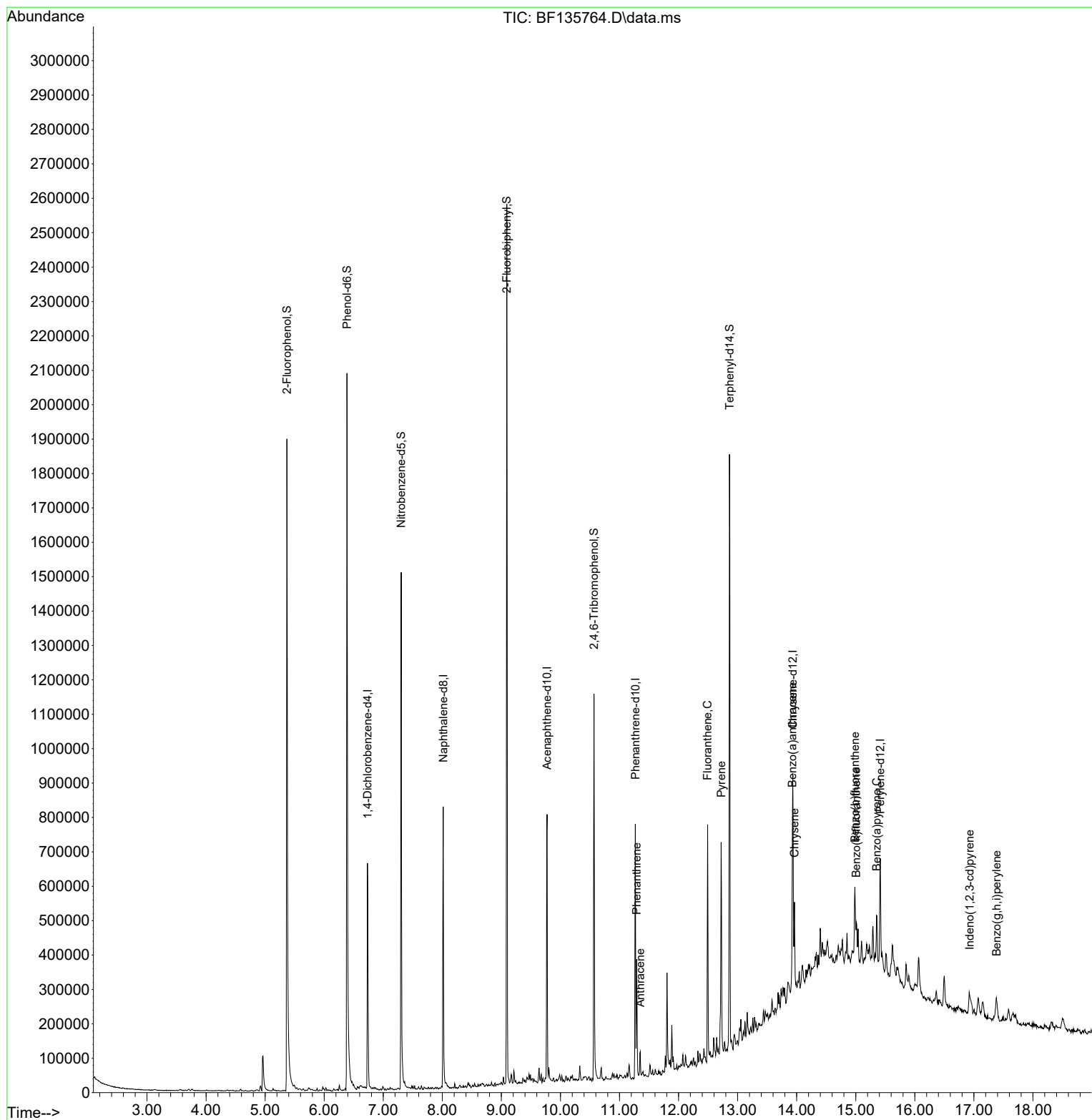
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
Data File : BF135764.D
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Sample : 04839-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

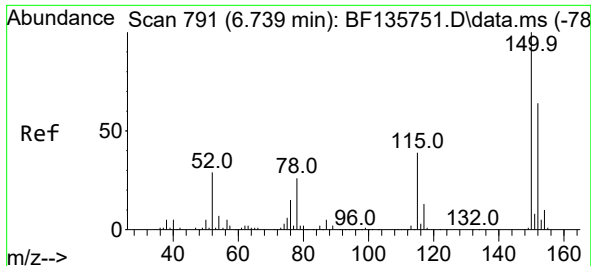
Instrument :
BNA_F
ClientSampleId :
HD-02-101023

Quant Time: Oct 13 23:38:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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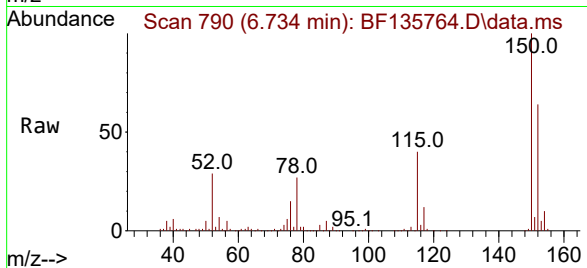
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023

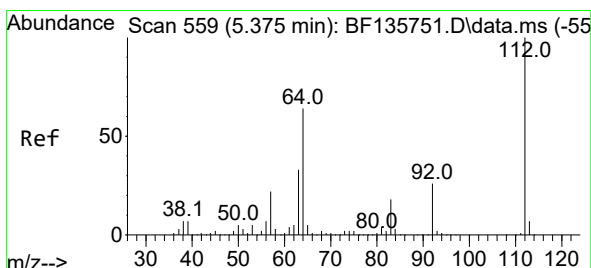
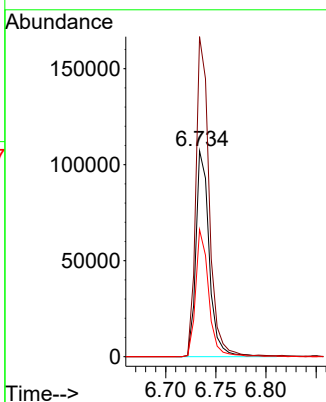
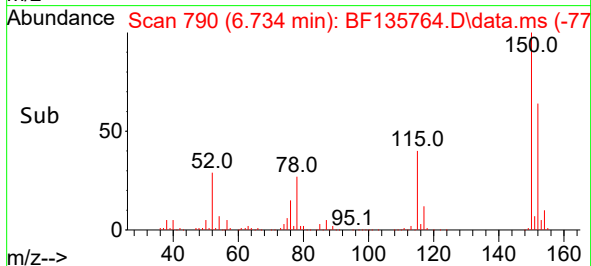


Tgt Ion:152 Resp: 99580
Ion Ratio Lower Upper
152 100
150 155.5 124.5 186.7
115 61.7 49.0 73.4

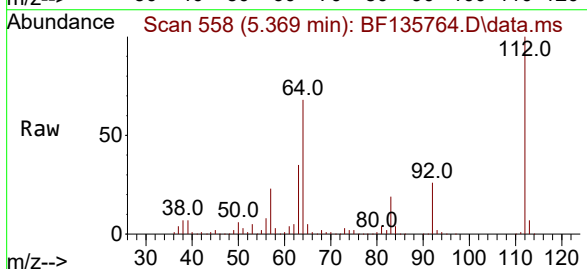
Manual Integrations

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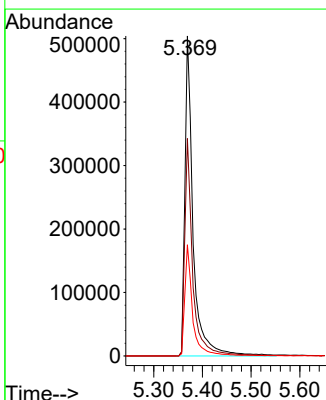
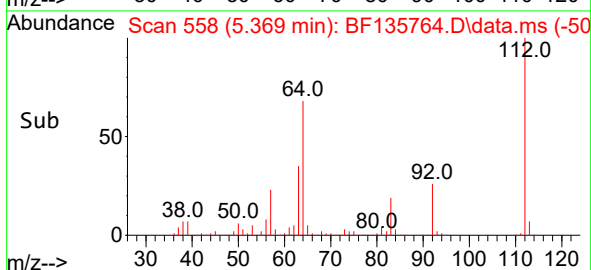
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

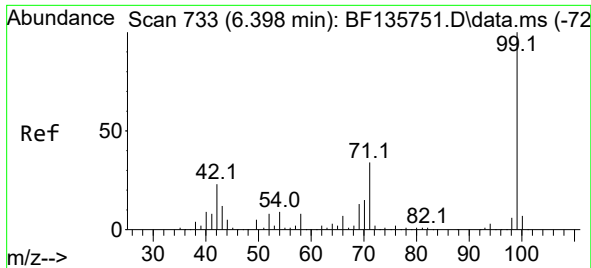


#5
2-Fluorophenol
Concen: 95.186 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13



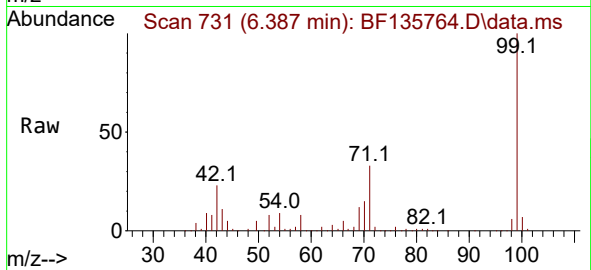
Tgt Ion:112 Resp: 589556
Ion Ratio Lower Upper
112 100
64 67.9 51.2 76.8
63 34.8 26.1 39.1





#7
Phenol-d6
Concen: 93.833 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

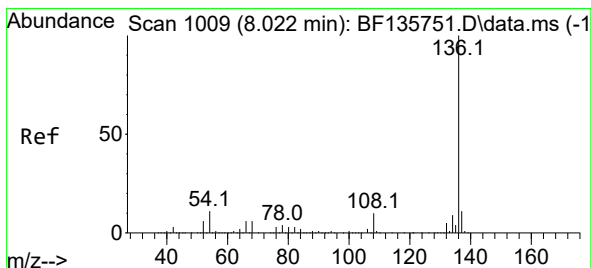
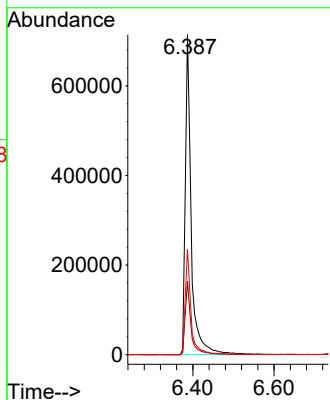
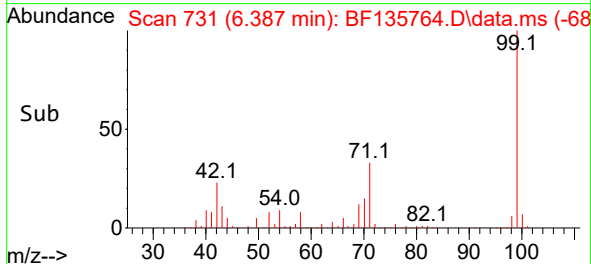
Instrument :
BNA_F
ClientSampleId :
HD-02-101023



Tgt Ion: 99 Resp: 725150
Ion Ratio Lower Upper
99 100
42 23.0 18.4 27.6
71 32.9 27.2 40.8

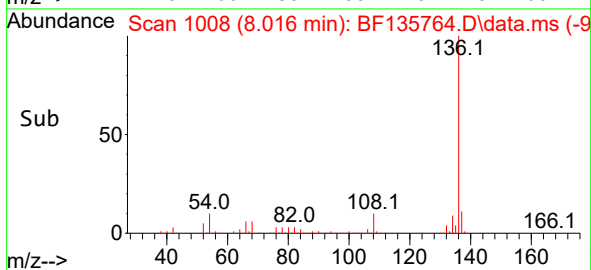
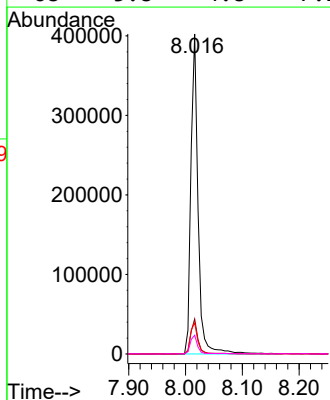
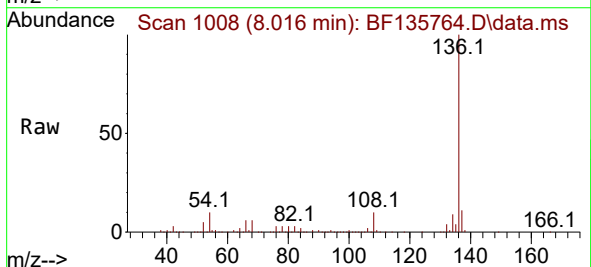
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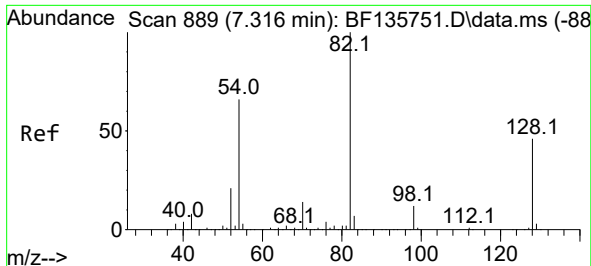
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion:136 Resp: 353647
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.7 8.5 12.7
68 5.8 4.8 7.2





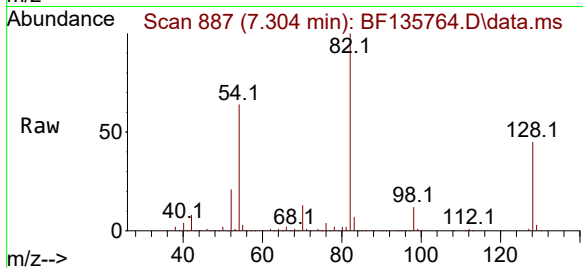
#23
Nitrobenzene-d5
Concen: 66.473 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023

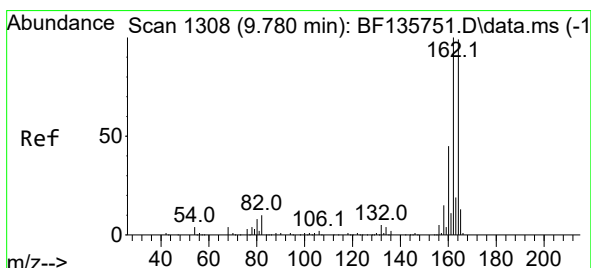
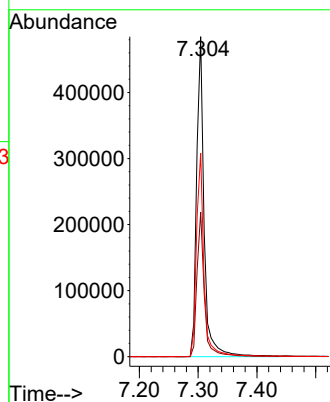
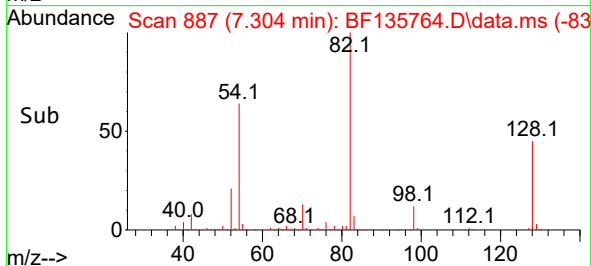


Tgt Ion: 82 Resp: 427420
Ion Ratio Lower Upper
82 100
128 45.2 37.0 55.6
54 63.6 52.8 79.2

Manual Integrations

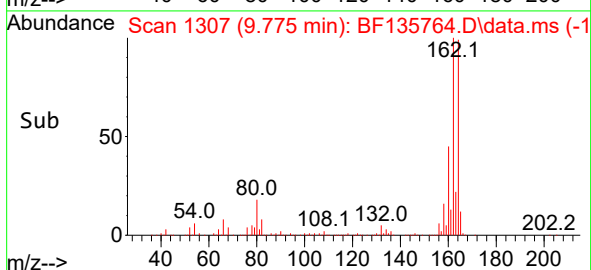
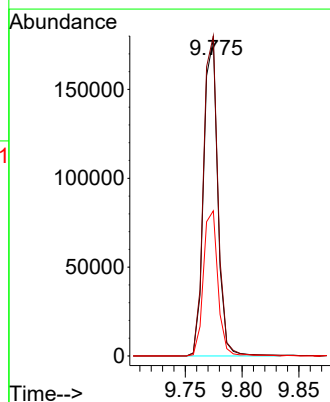
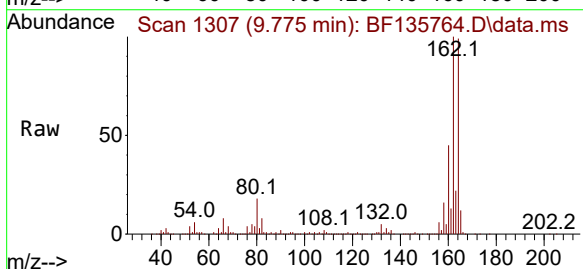
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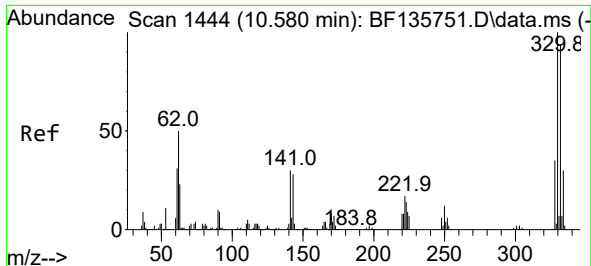
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion:164 Resp: 154099
Ion Ratio Lower Upper
164 100
162 101.0 80.8 121.2
160 45.8 36.6 54.8





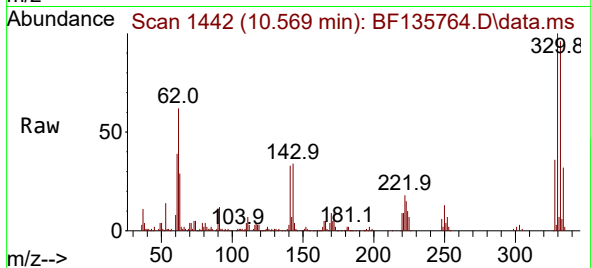
#42
2,4,6-Tribromophenol
Concen: 83.646 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023



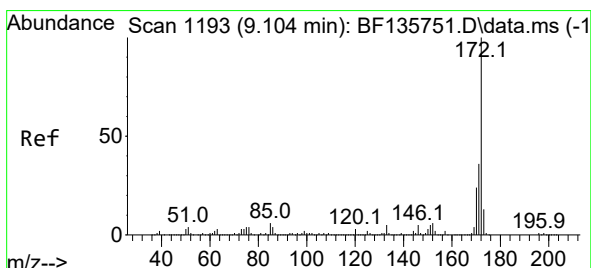
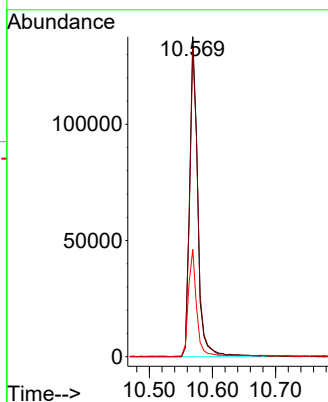
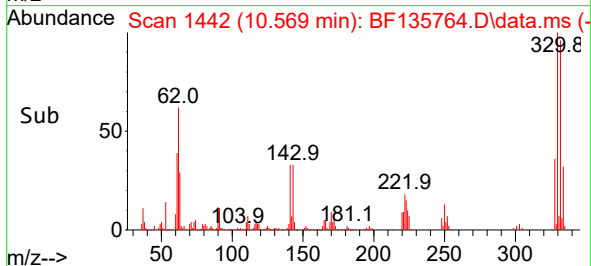
Tgt Ion:330 Resp: 12368
Ion Ratio Lower Upper
330 100
332 97.0 75.0 112.4
141 34.7 25.8 38.6

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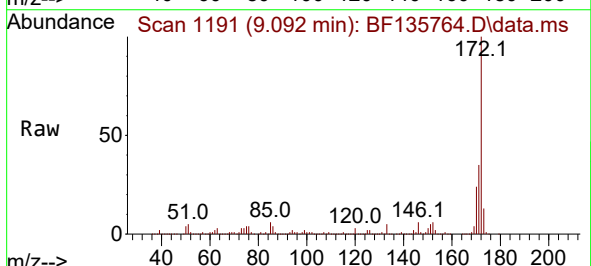
APPROVED

Reviewed By :Yogesh Patel 10/16/2023

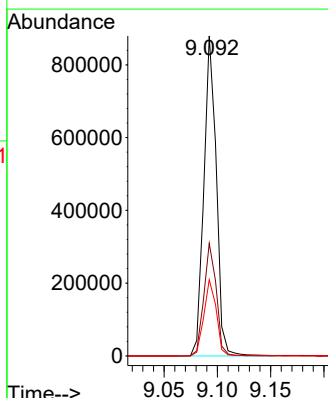
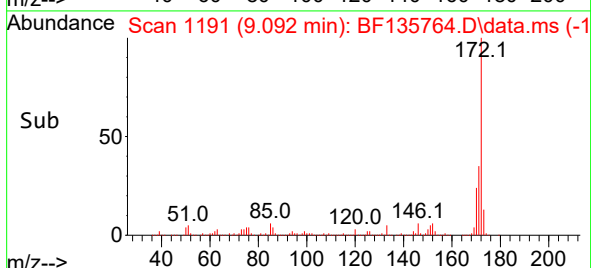
Supervised By :mohammad ahmed 10/17/2023

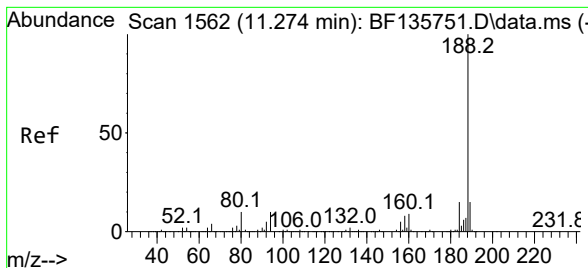


#45
2-Fluorobiphenyl
Concen: 72.678 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13



Tgt Ion:172 Resp: 716316
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.8 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1561

Delta R.T. -0.006 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023

Tgt Ion:188 Resp: 25285

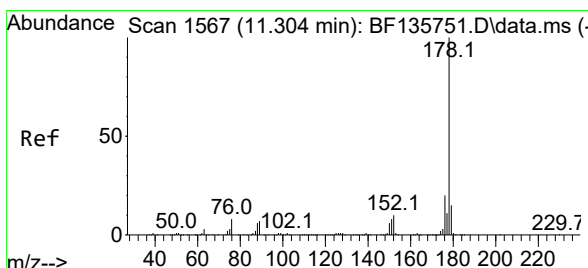
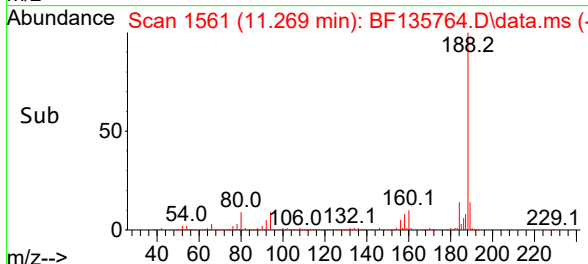
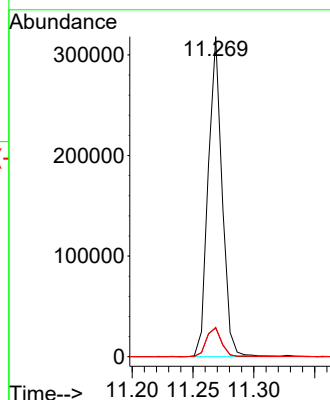
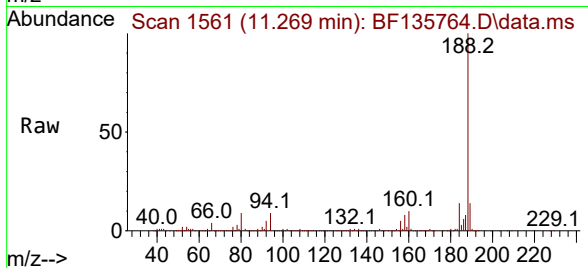
Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.0	12.0
80	9.2	8.3	12.5

Manual Integrations

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Supervised By :mohammad ahmed 10/17/2023



#71

Phenanthrene

Concen: 10.164 ng

RT: 11.292 min Scan# 1565

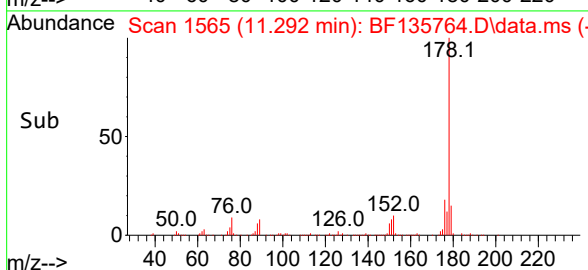
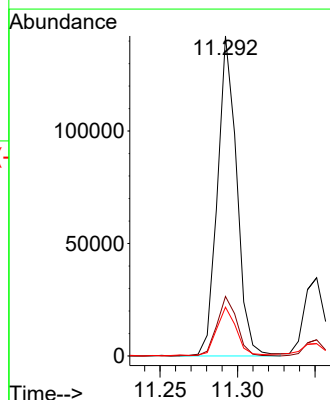
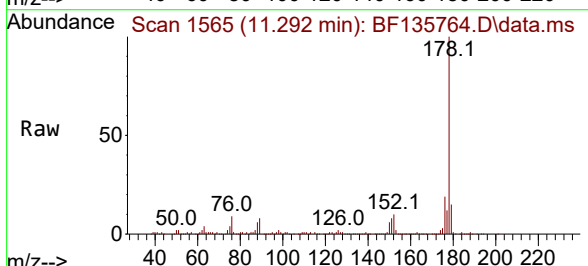
Delta R.T. -0.012 min

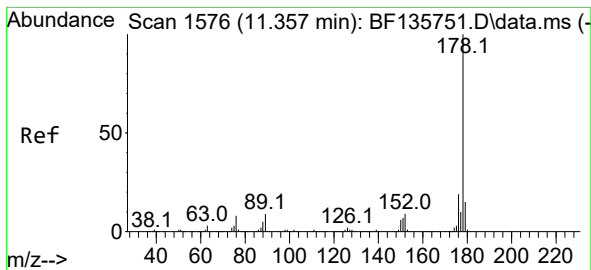
Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

Tgt Ion:178 Resp: 123112

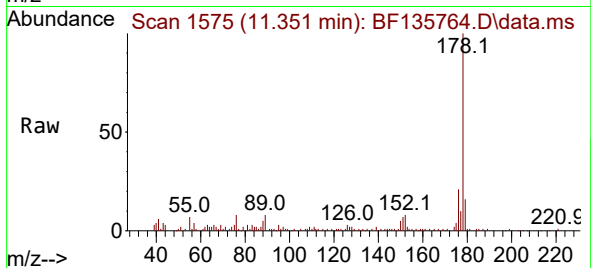
Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.0	24.0
179	15.3	12.2	18.4





#72
 Anthracene
 Concen: 2.530 ng
 RT: 11.351 min Scan# 1769
 Delta R.T. -0.006 min
 Lab File: BF135764.D
 Acq: 13 Oct 2023 21:13

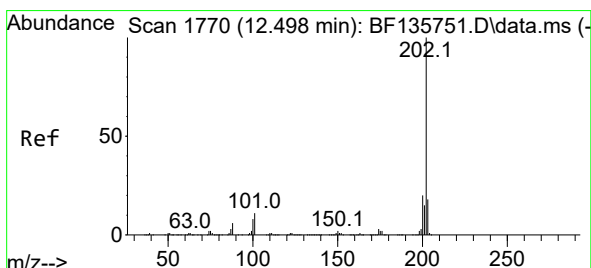
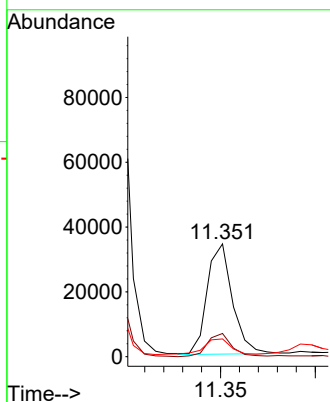
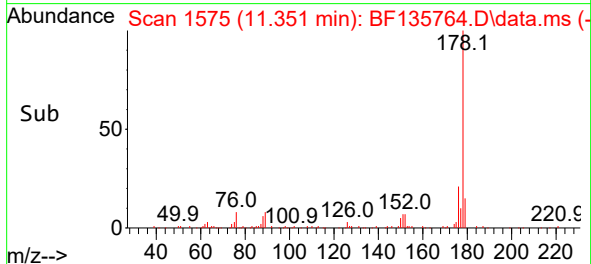
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-101023



Tgt Ion:178 Resp: 31760
 Ion Ratio Lower Upper
 178 100
 176 20.6 15.1 22.7
 179 15.8 12.3 18.5

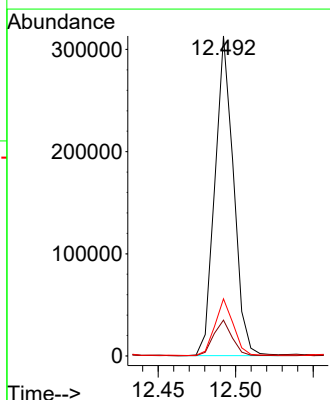
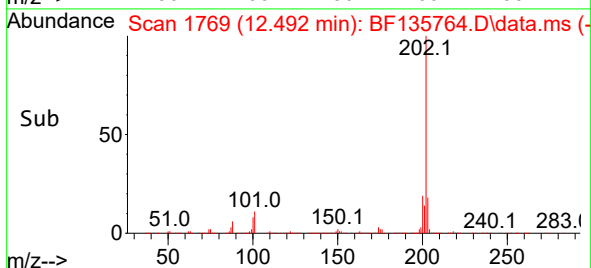
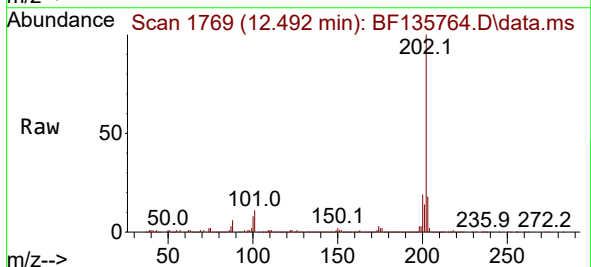
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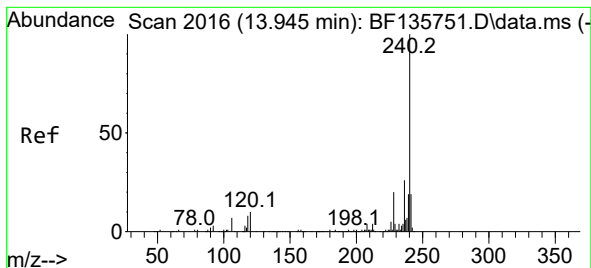
Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023



#75
 Fluoranthene
 Concen: 19.487 ng
 RT: 12.492 min Scan# 1769
 Delta R.T. -0.006 min
 Lab File: BF135764.D
 Acq: 13 Oct 2023 21:13

Tgt Ion:202 Resp: 261970
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.5
 203 17.8 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

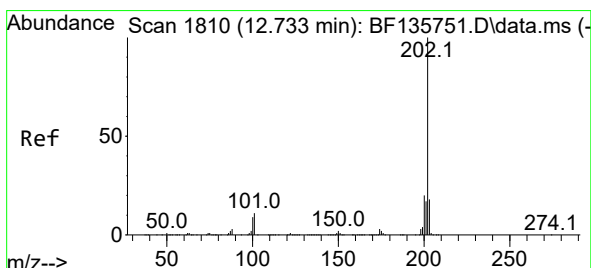
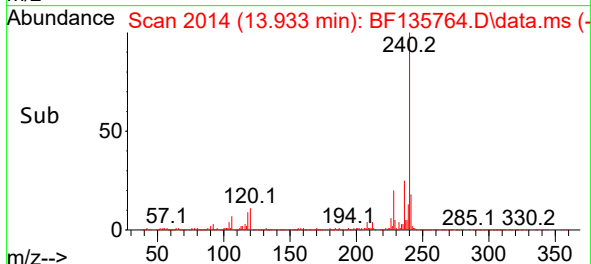
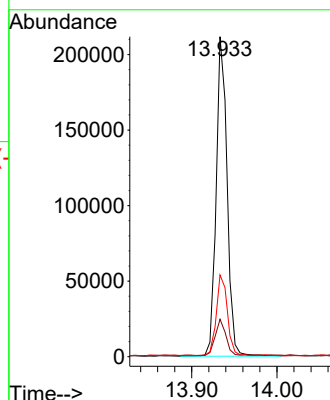
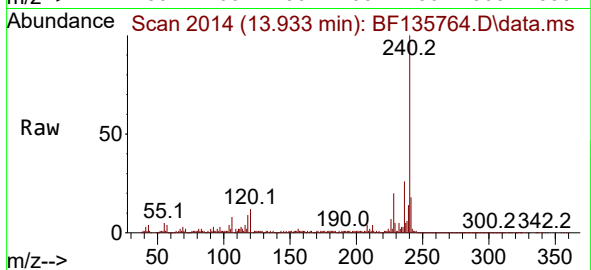
HD-02-101023

Tgt Ion:240 Resp: 189849
 Ion Ratio Lower Upper
 240 100
 120 11.7 8.2 12.2
 236 25.6 21.2 31.8

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#78

Pyrene

Concen: 17.082 ng

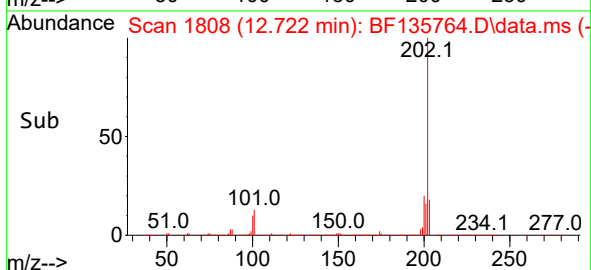
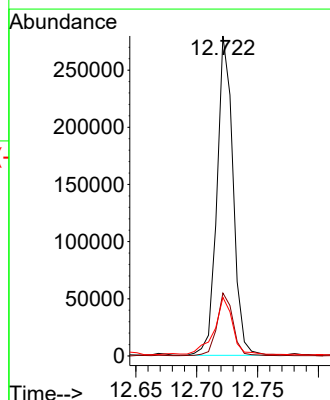
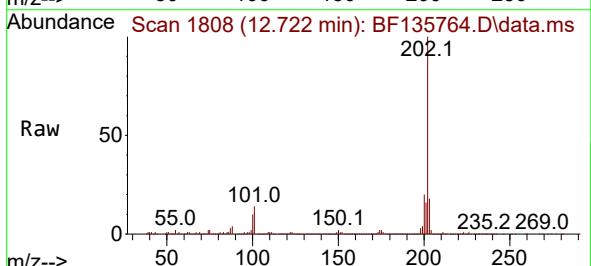
RT: 12.722 min Scan# 1808

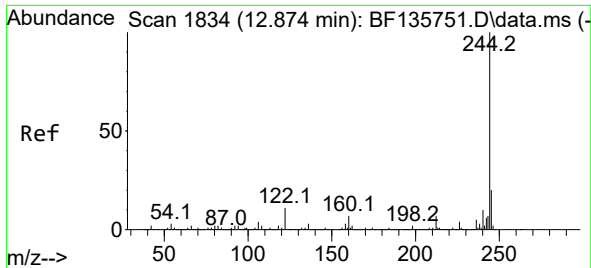
Delta R.T. -0.012 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

Tgt Ion:202 Resp: 257700
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.1 24.1
 203 18.3 14.2 21.2





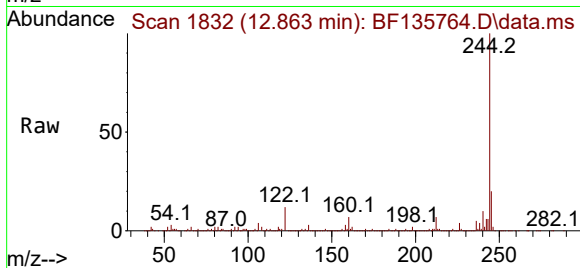
#79
 Terphenyl-d14
 Concen: 60.381 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF135764.D
 Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023

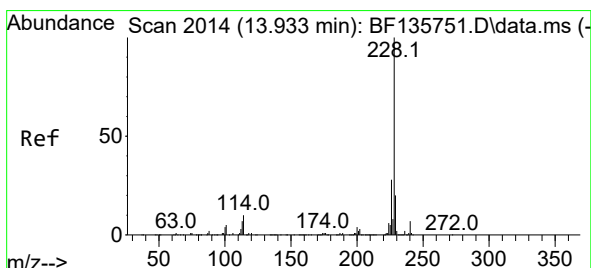
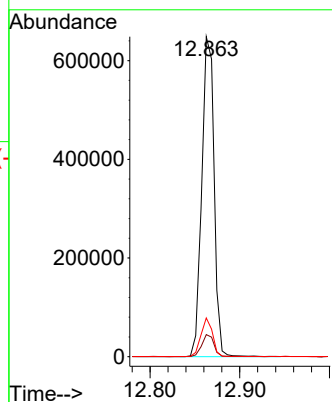
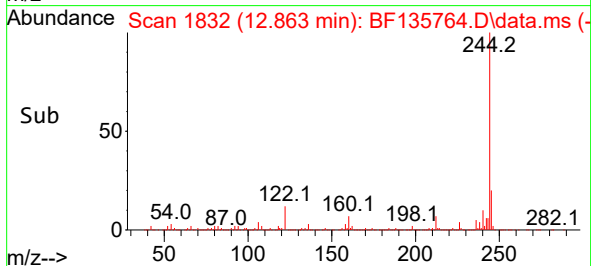


Tgt Ion:244 Resp: 618992
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 12.1 9.0 13.6

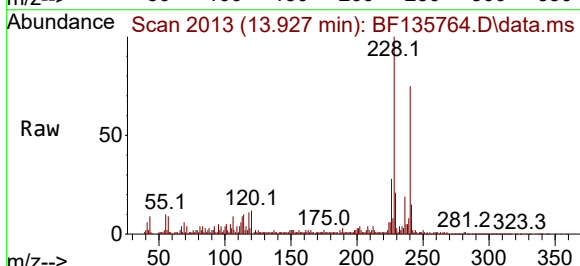
Manual Integrations

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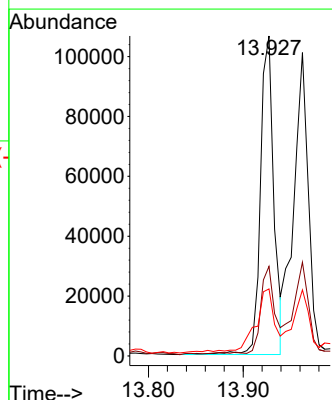
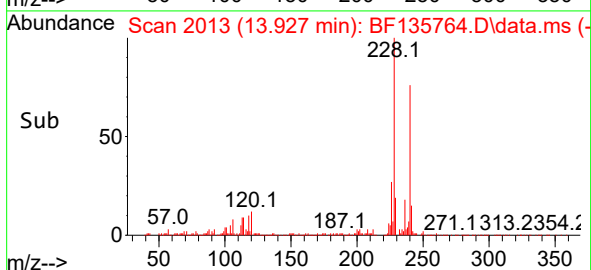
Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

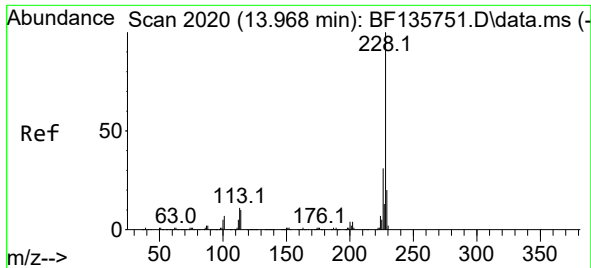


#81
 Benzo(a)anthracene
 Concen: 8.393 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: BF135764.D
 Acq: 13 Oct 2023 21:13



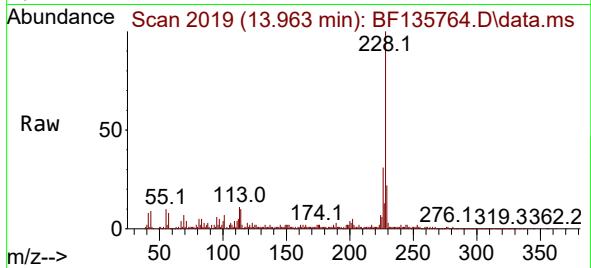
Tgt Ion:228 Resp: 104662
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.2 33.2
 229 20.9 16.1 24.1





#83
Chrysene
Concen: 9.107 ng
RT: 13.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

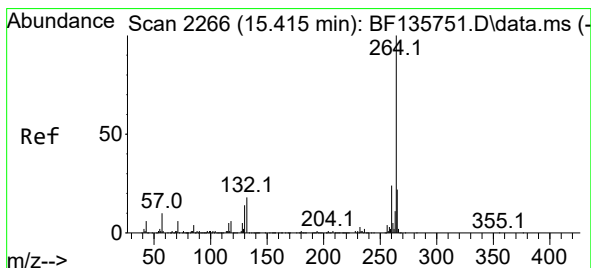
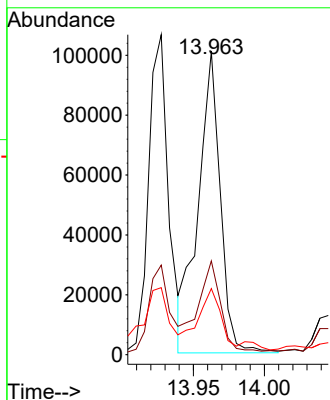
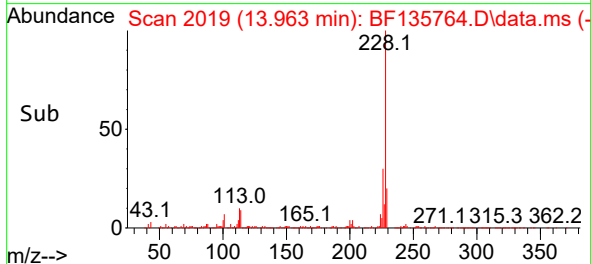
Instrument :
BNA_F
ClientSampleId :
HD-02-101023



Tgt Ion:228 Resp: 110000
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 21.8 15.7 23.5

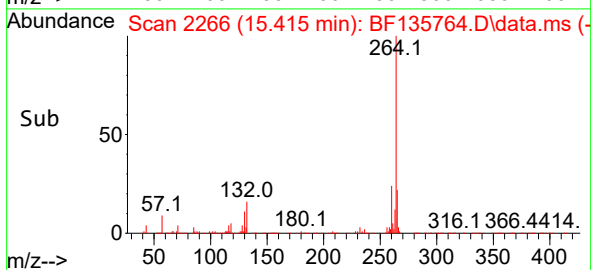
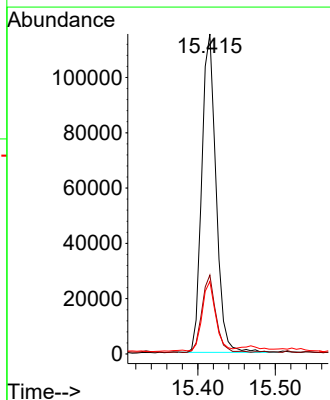
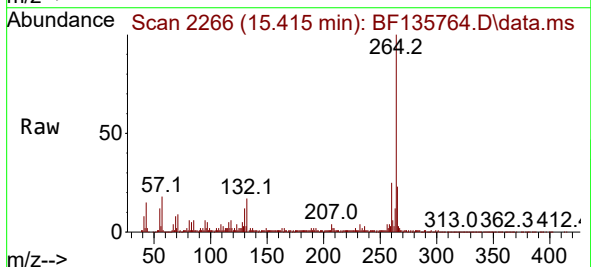
Manual Integrations
APPROVED

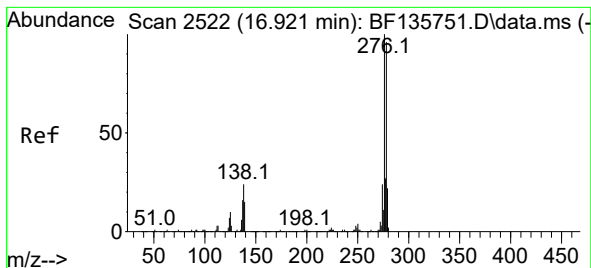
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion:264 Resp: 147237
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.678 ng

RT: 16.927 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023

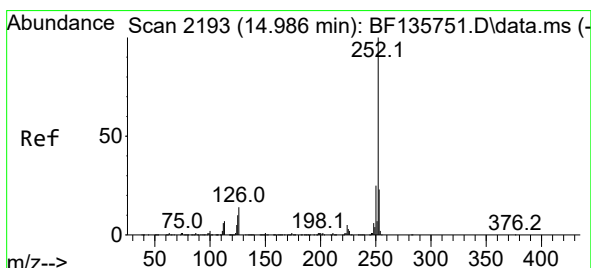
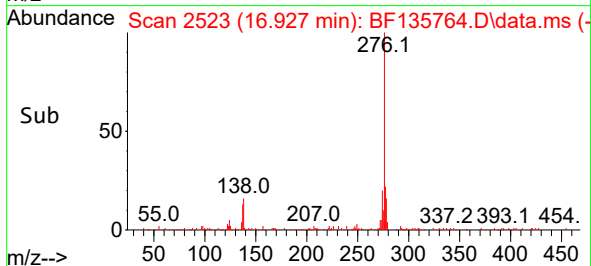
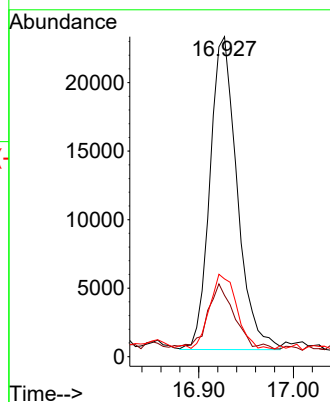
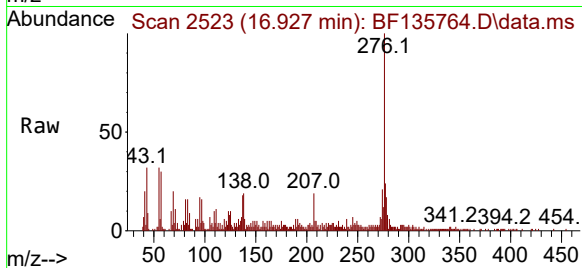
Tgt Ion:	276	Resp:	4555
Ion Ratio	Lower	Upper	
276	100		
138	20.5	19.8	29.6
277	23.7	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#88

Benzo(b)fluoranthene

Concen: 14.423 ng m

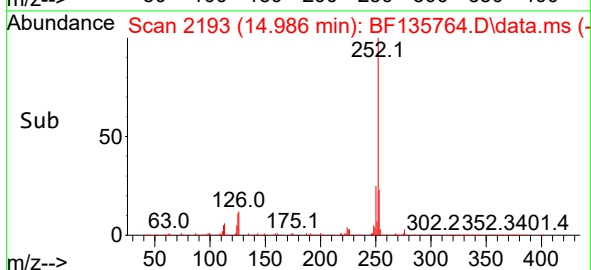
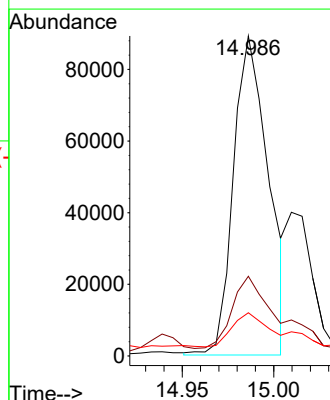
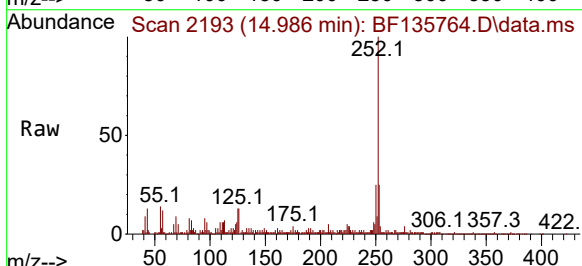
RT: 14.986 min Scan# 2193

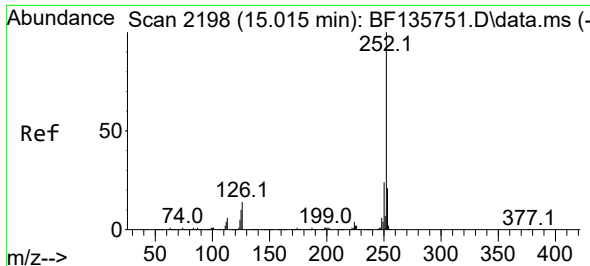
Delta R.T. 0.000 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

Tgt Ion:	252	Resp:	118849
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.2	27.2
125	13.5	8.2	12.2





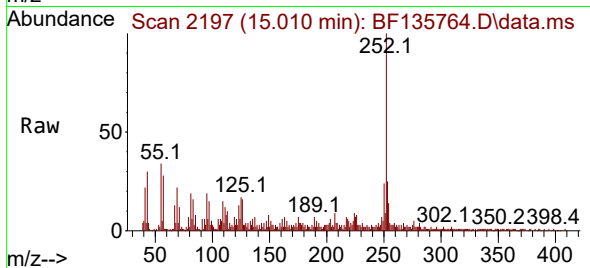
#89
Benzo(k)fluoranthene
Concen: 5.137 ng m
RT: 15.010 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023



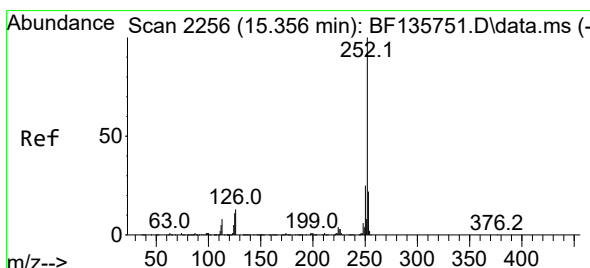
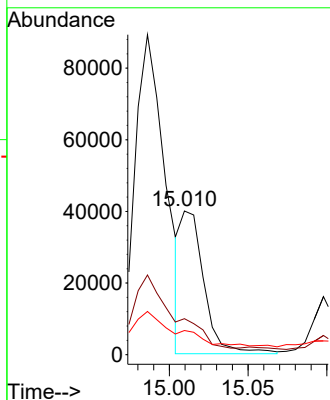
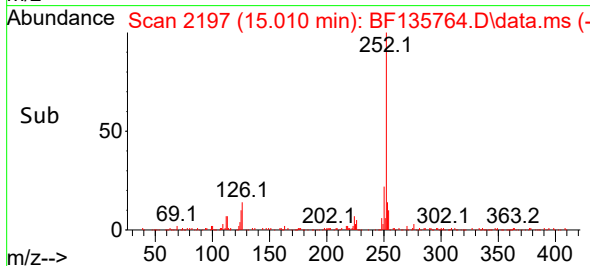
Tgt Ion:252 Resp: 41097
Ion Ratio Lower Upper
252 100
253 25.1 17.4 26.0
125 16.8 8.3 12.5

Manual Integrations

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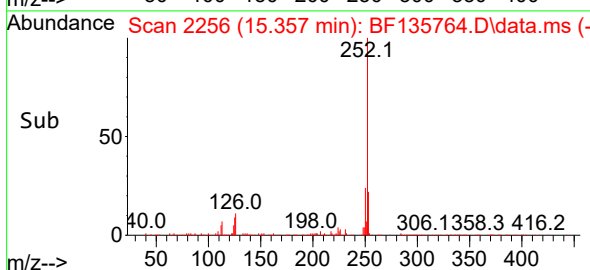
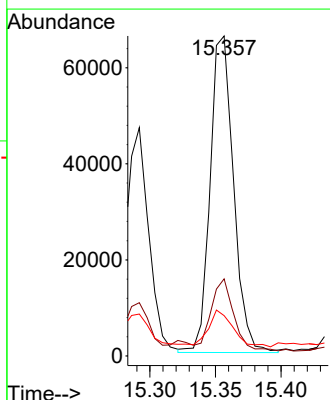
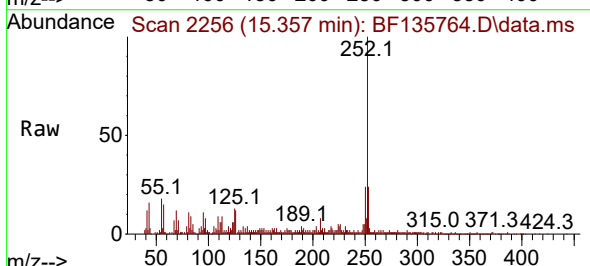
Reviewed By :Yogesh Patel 10/16/2023

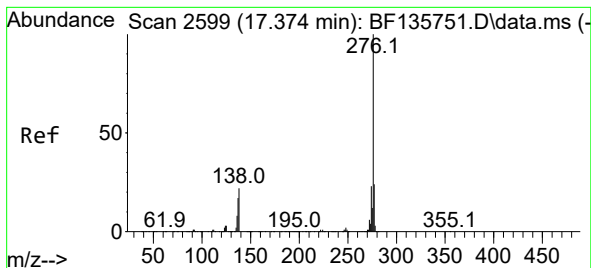
Supervised By :mohammad ahmed 10/17/2023



#90
Benzo(a)pyrene
Concen: 10.580 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion:252 Resp: 81983
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 12.6 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 6.885 ng

RT: 17.386 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF135764.D

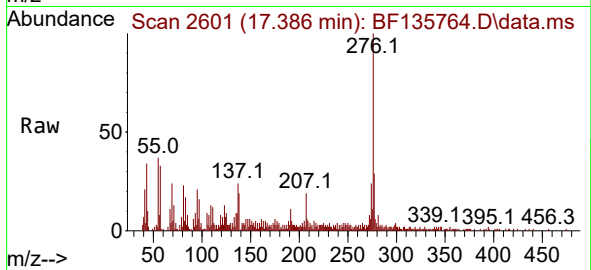
Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023



Tgt Ion:	276	Resp:	4651
Ion Ratio	Lower	Upper	
276	100		
277	28.9	19.4	29.2
138	19.4	17.3	25.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023

