

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
 Data File : BF135206.D
 Acq On : 13 Sep 2023 05:00
 Operator : CG\JU
 Sample : 04371-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 289

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 13 07:42:38 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.763	152	134939	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	513557	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	255284	20.000	ng	0.00
64) Phenanthrene-d10	11.286	188	442011	20.000	ng	0.00
76) Chrysene-d12	13.945	240	230375	20.000	ng	0.00
86) Perylene-d12	15.409	264	277361	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	488465	58.876	ng	0.00
7) Phenol-d6	6.404	99	626344	59.372	ng	0.00
23) Nitrobenzene-d5	7.322	82	384264	40.651	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	147718	58.228	ng	-0.01
45) 2-Fluorobiphenyl	9.122	172	713024	42.140	ng	0.00
79) Terphenyl-d14	12.886	244	557565	37.519	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	101374	4.849	ng	99
75) Fluoranthene	12.504	202	152387	6.996	ng	99
78) Pyrene	12.733	202	129355	5.898	ng	98
81) Benzo(a)anthracene	13.933	228	52287	3.515	ng	97
83) Chrysene	13.968	228	54057	3.655	ng	98
88) Benzo(b)fluoranthene	14.980	252	64199m	4.276	ng	
90) Benzo(a)pyrene	15.345	252	44256	3.091	ng	99

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

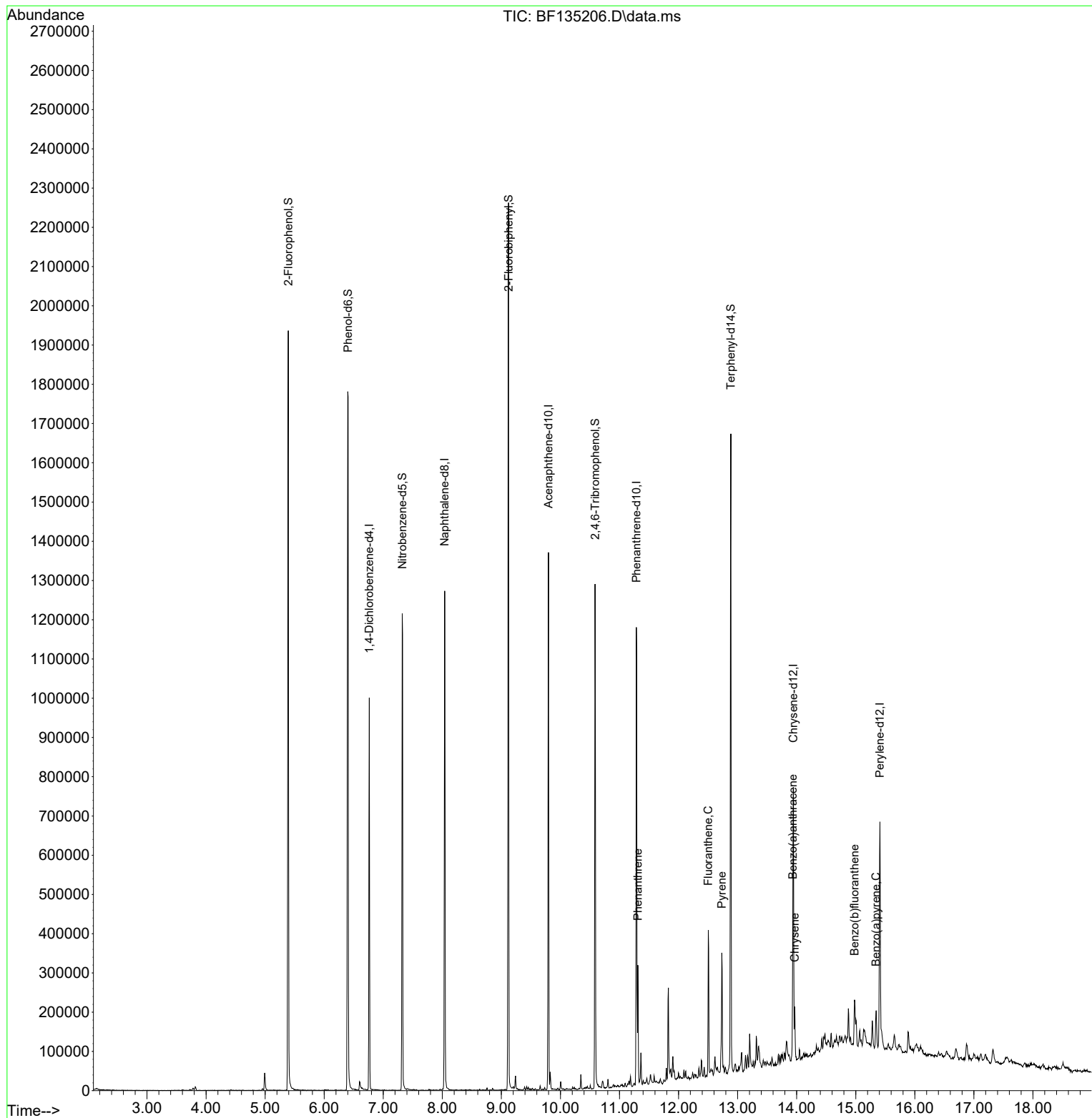
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091223\
Data File : BF135206.D
Acq On : 13 Sep 2023 05:00
Operator : CG\JU
Sample : 04371-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

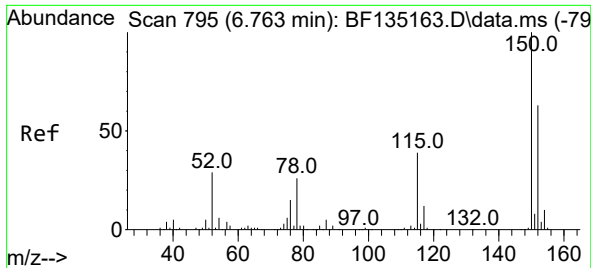
Instrument :
BNA_F
ClientSampleId :
289

Quant Time: Sep 13 07:42:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

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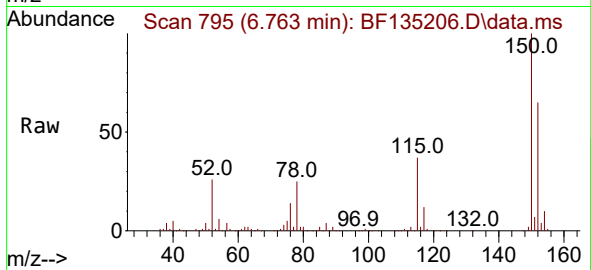
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

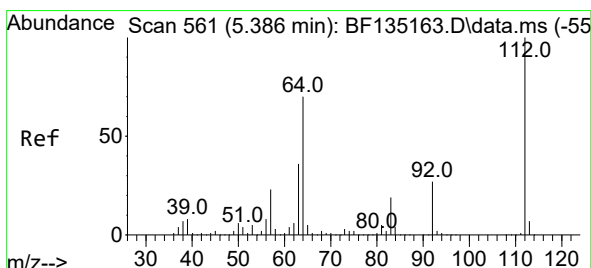
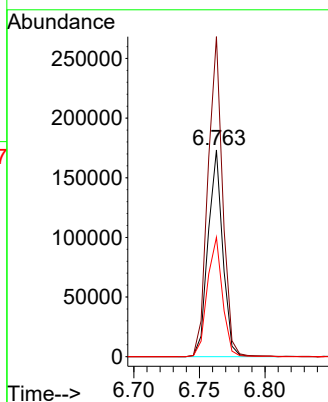
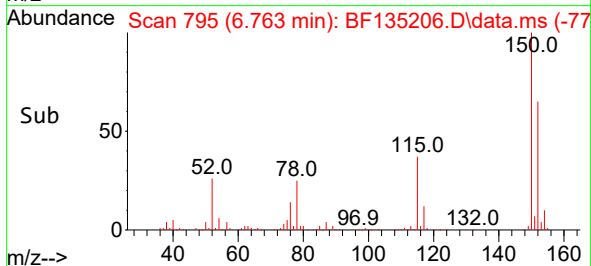
Instrument :
BNA_F
ClientSampleId :
289



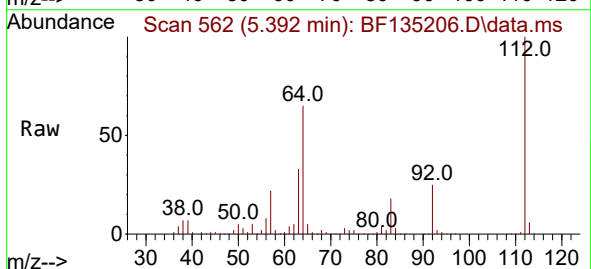
Tgt Ion:152 Resp: 134939
Ion Ratio Lower Upper
152 100
150 154.7 127.8 191.6
115 57.7 49.8 74.8

Manual Integrations
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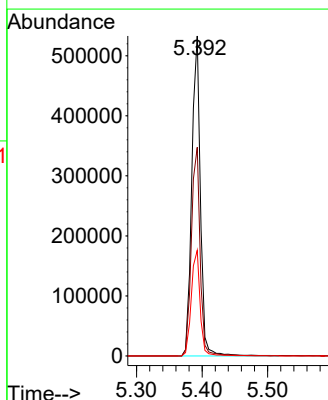
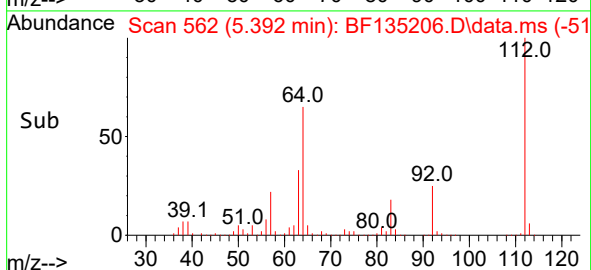
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

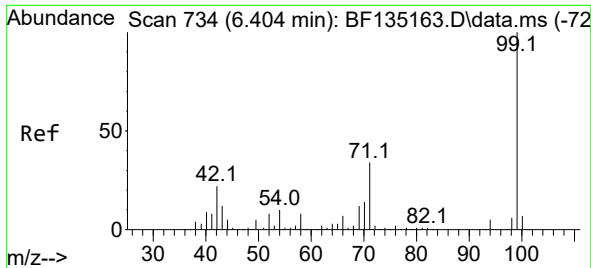


#5
2-Fluorophenol
Concen: 58.876 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00



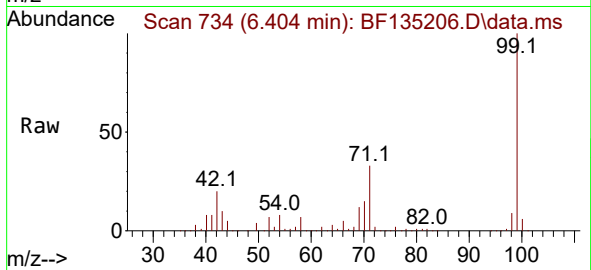
Tgt Ion:112 Resp: 488465
Ion Ratio Lower Upper
112 100
64 65.2 55.9 83.9
63 33.0 29.0 43.6





#7
Phenol-d6
Concen: 59.372 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

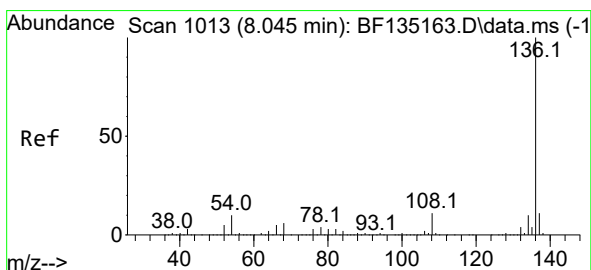
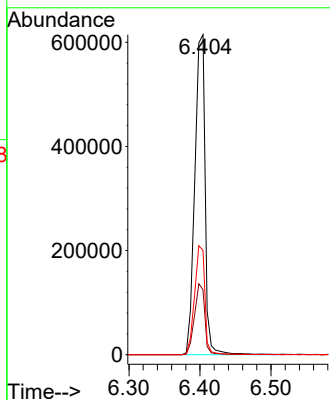
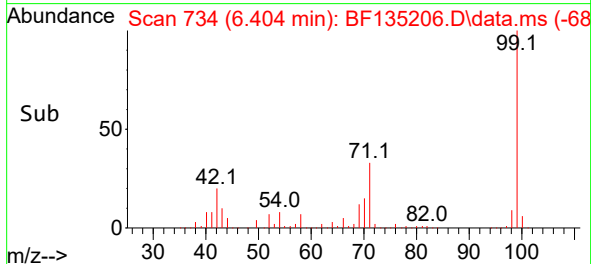
Instrument :
BNA_F
ClientSampleId :
289



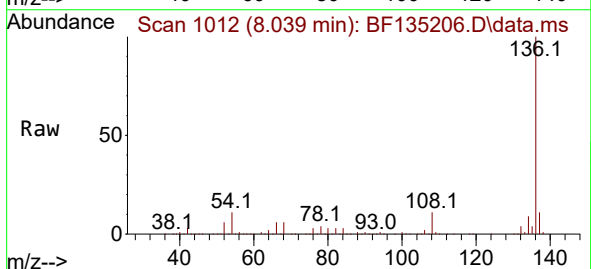
Tgt Ion: 99 Resp: 626344
Ion Ratio Lower Upper
99 100
42 20.3 17.9 26.9
71 32.6 27.0 40.6

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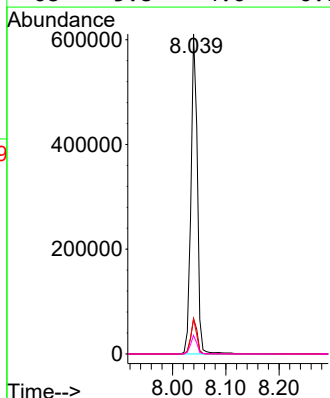
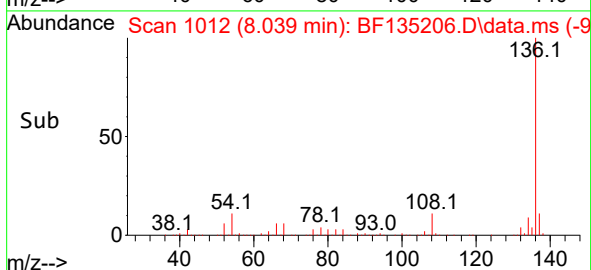
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

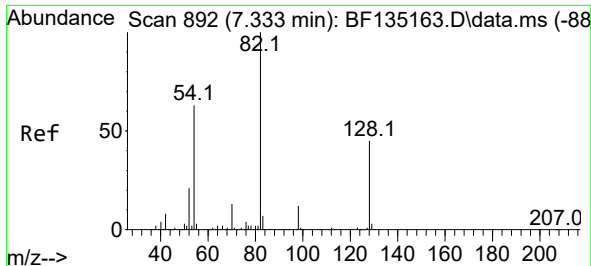


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00



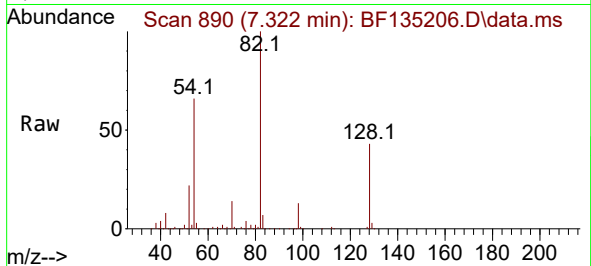
Tgt Ion:136 Resp: 513557
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.9 7.7 11.5
68 5.8 4.6 6.8





#23
Nitrobenzene-d5
Concen: 40.651 ng
RT: 7.322 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

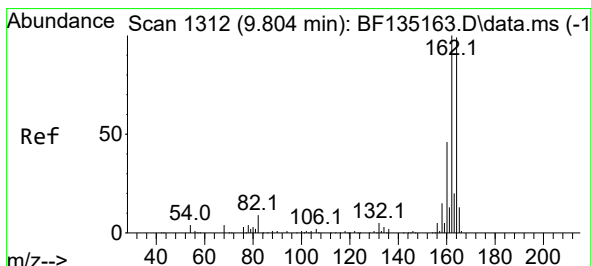
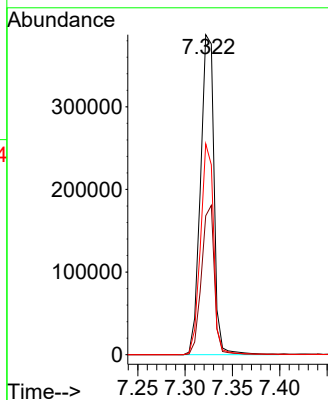
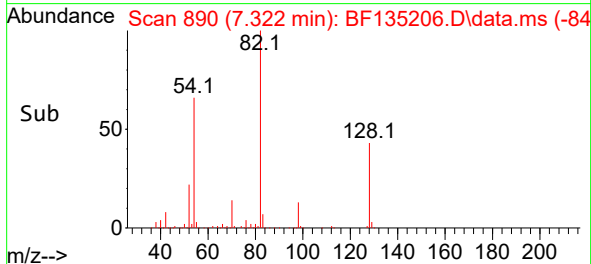
Instrument :
BNA_F
ClientSampleId :
289



Tgt Ion: 82 Resp: 384264
Ion Ratio Lower Upper
82 100
128 43.4 35.8 53.6
54 65.9 50.6 76.0

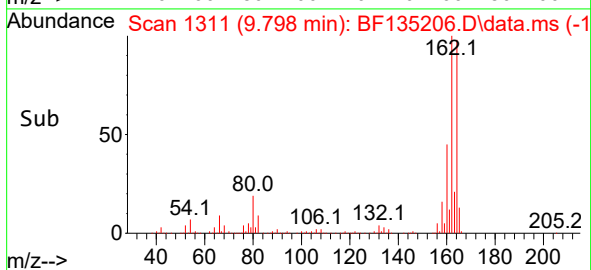
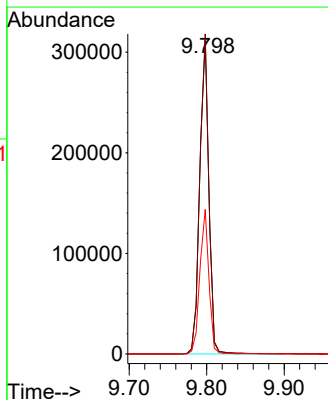
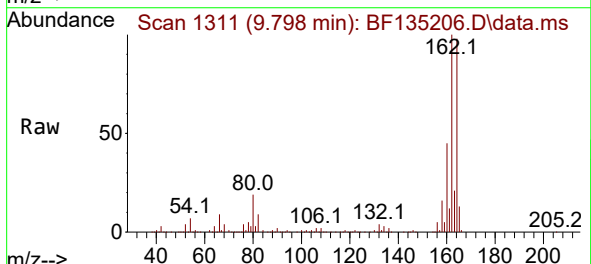
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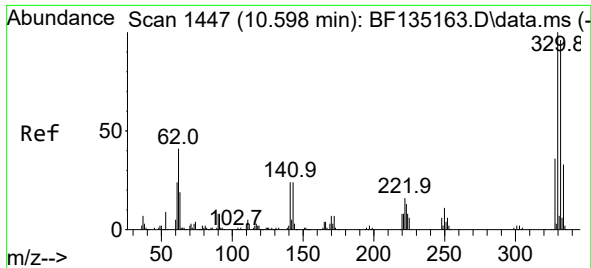
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

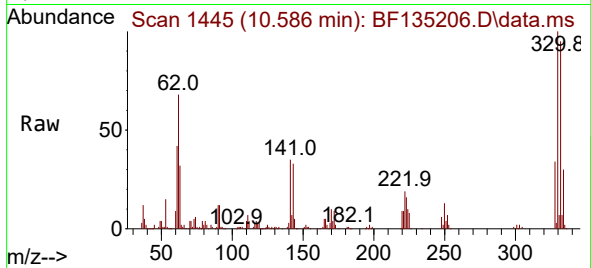
Tgt Ion:164 Resp: 255284
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 45.9 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 58.228 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

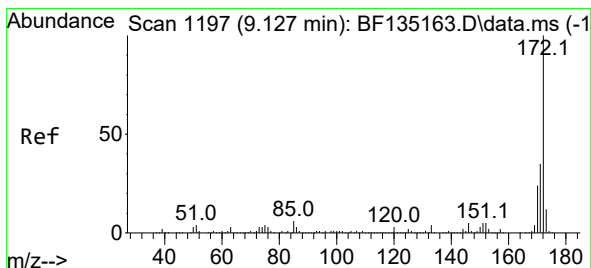
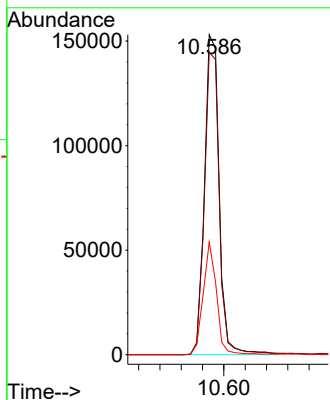
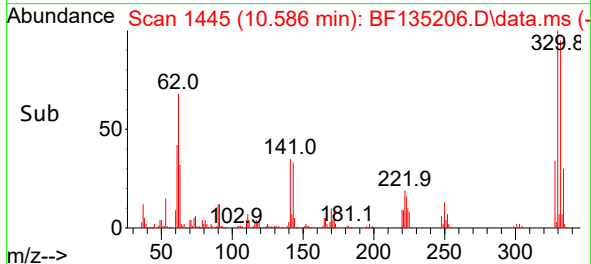
Instrument :
BNA_F
ClientSampleId :
289



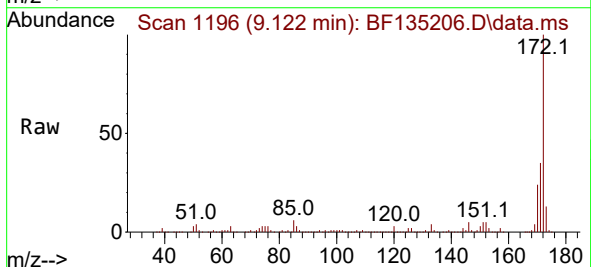
Tgt Ion: 330 Resp: 147718
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 32.1 25.8 38.8

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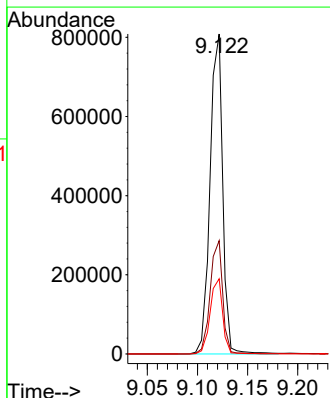
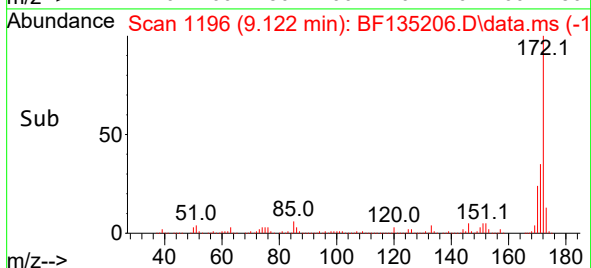
Reviewed By : Yogesh Patel 09/13/2023
Supervised By : mohammad ahmed 09/14/2023

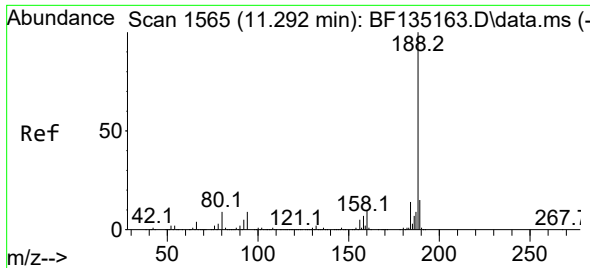


#45
2-Fluorobiphenyl
Concen: 42.140 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00



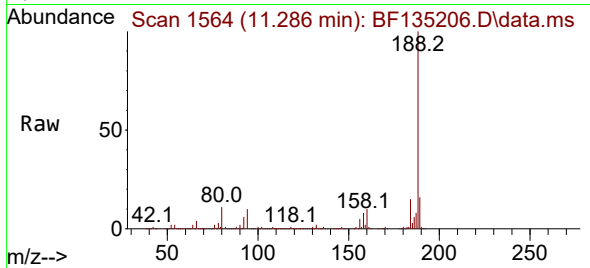
Tgt Ion: 172 Resp: 713024
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.5 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

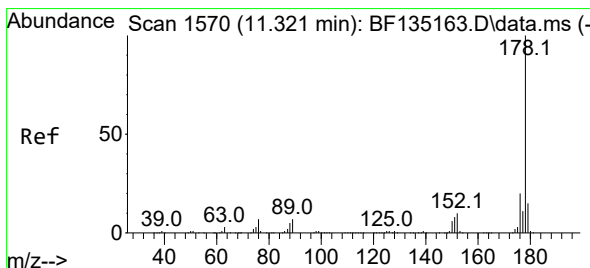
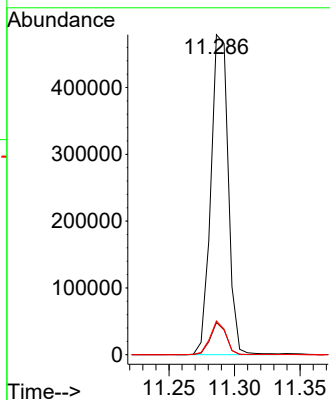
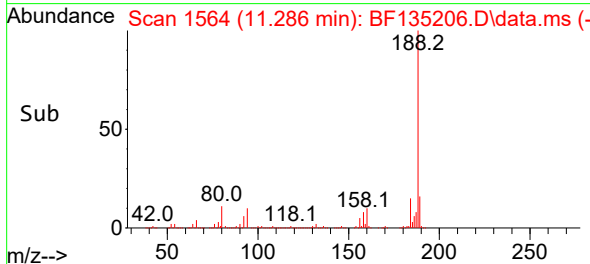
Instrument :
BNA_F
ClientSampleId :
289



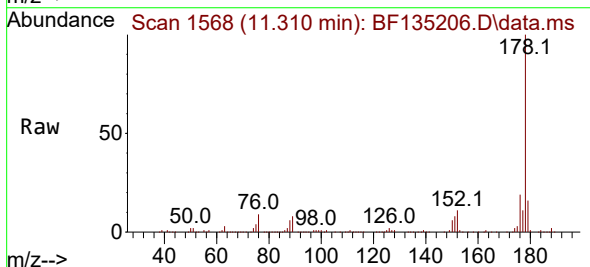
Tgt Ion:188 Resp: 44201
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.6
80 10.6 7.5 11.3

Manual Integrations
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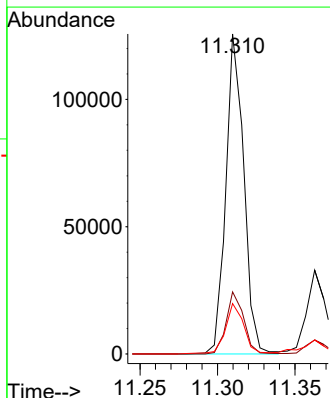
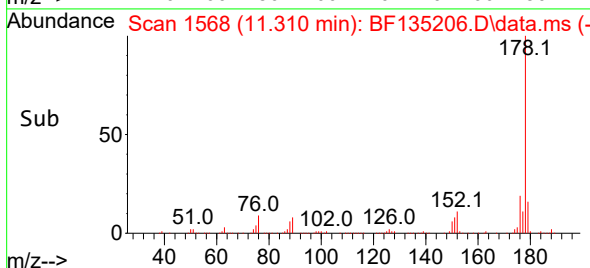
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

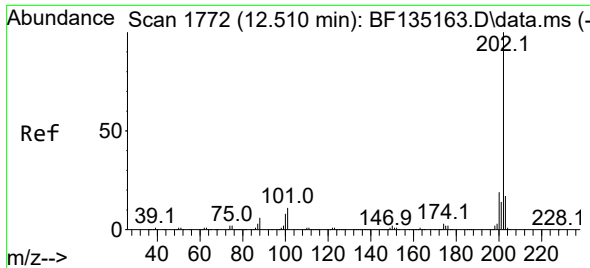


#71
Phenanthrene
Concen: 4.849 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00



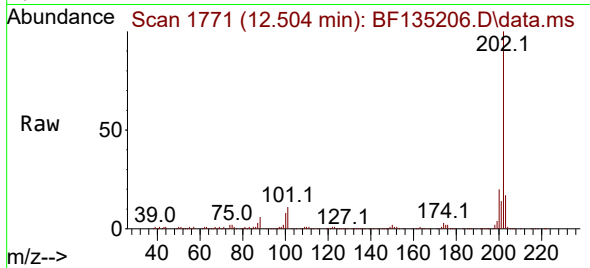
Tgt Ion:178 Resp: 101374
Ion Ratio Lower Upper
178 100
176 19.4 15.6 23.4
179 15.8 12.0 18.0





#75
Fluoranthene
Concen: 6.996 ng
RT: 12.504 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

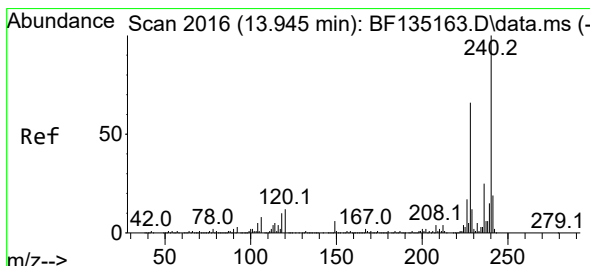
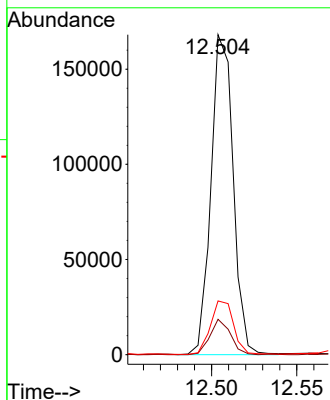
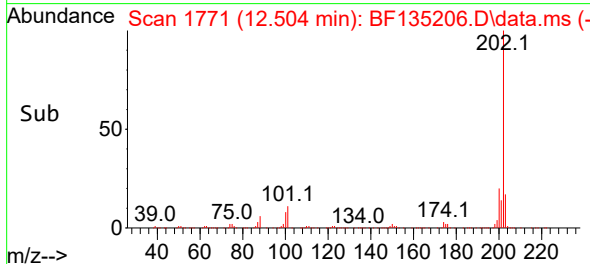
Instrument :
BNA_F
ClientSampleId :
289



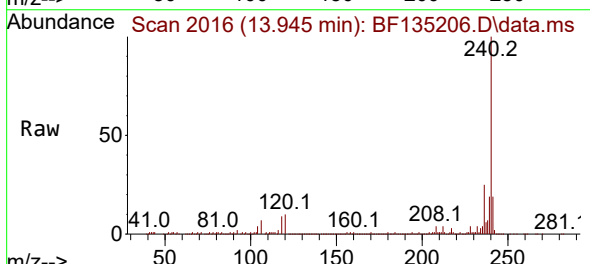
Tgt Ion:202 Resp: 15238
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 16.8 0.0 37.4

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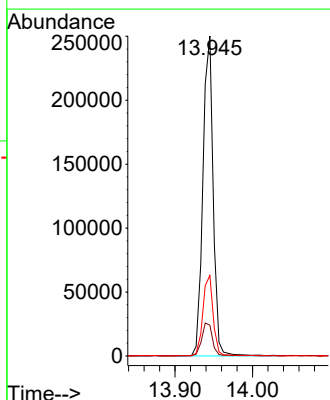
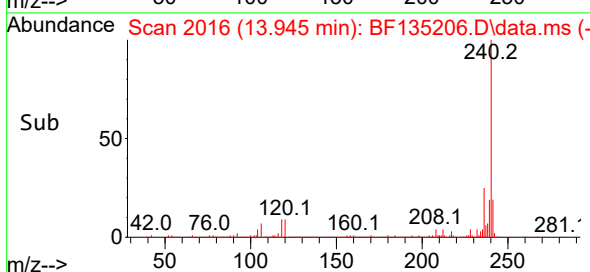
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

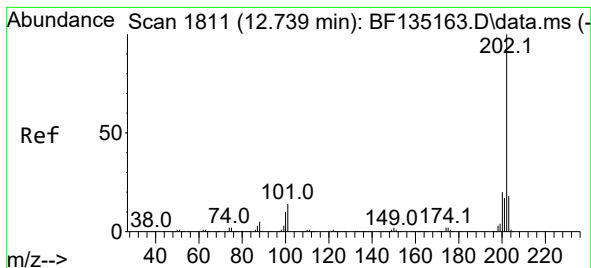


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00



Tgt Ion:240 Resp: 230375
Ion Ratio Lower Upper
240 100
120 9.6 9.4 14.2
236 25.2 19.8 29.8





#78

Pyrene

Concen: 5.898 ng

RT: 12.733 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF135206.D

Acq: 13 Sep 2023 05:00

Instrument :

BNA_F

ClientSampleId :

289

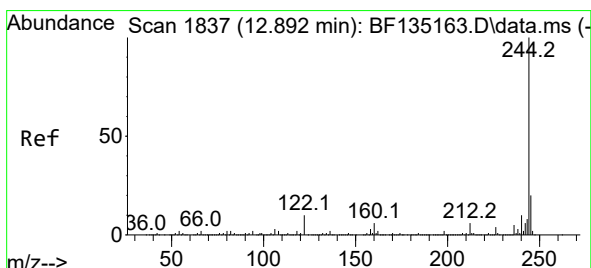
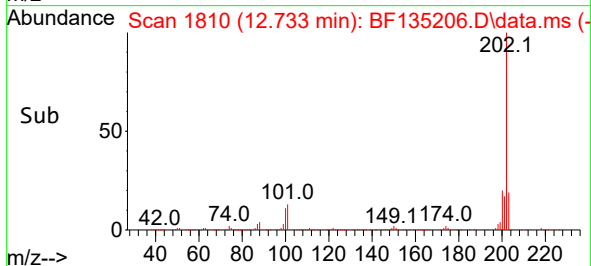
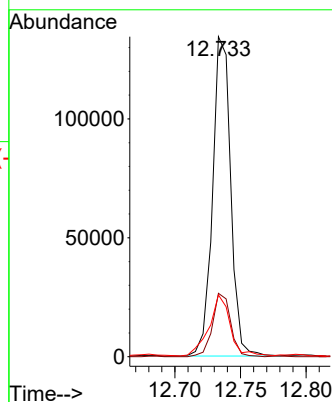
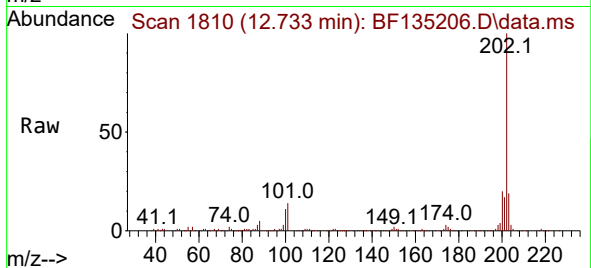
Tgt Ion:	202	Resp:	12935
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.2	24.2
203	19.3	14.2	21.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/13/2023

Supervised By :mohammad ahmed 09/14/2023



#79

Terphenyl-d14

Concen: 37.519 ng

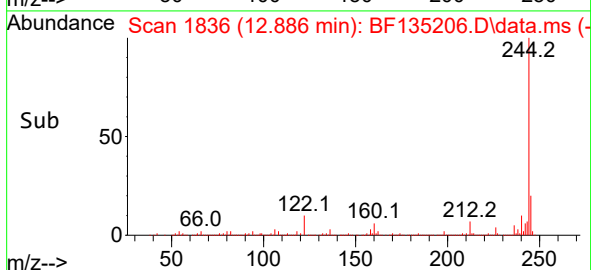
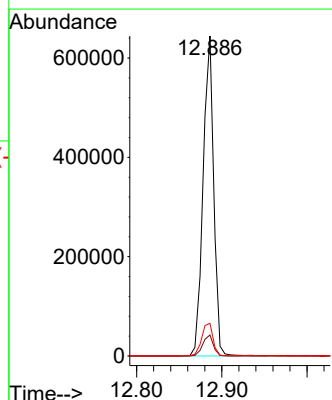
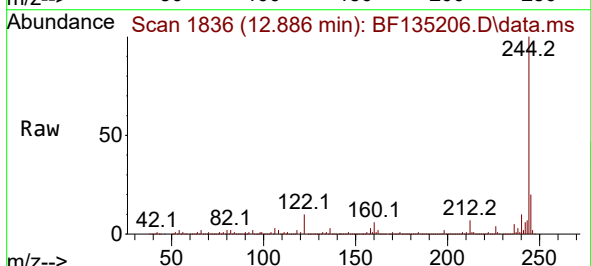
RT: 12.886 min Scan# 1836

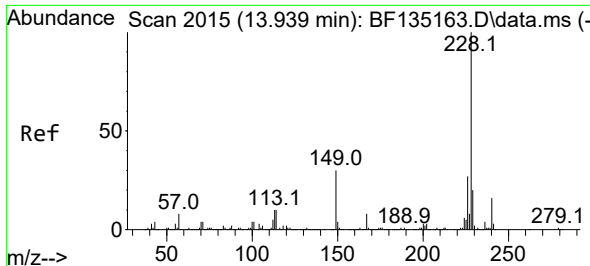
Delta R.T. -0.006 min

Lab File: BF135206.D

Acq: 13 Sep 2023 05:00

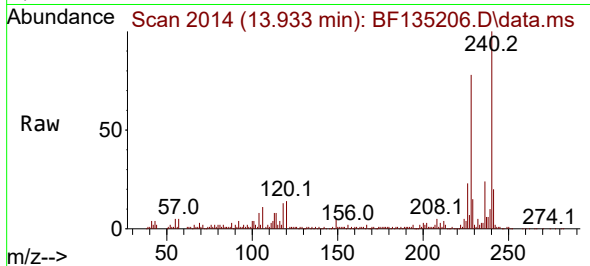
Tgt Ion:	244	Resp:	557565
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.1	7.7
122	10.2	7.9	11.9





#81
Benzo(a)anthracene
Concen: 3.515 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

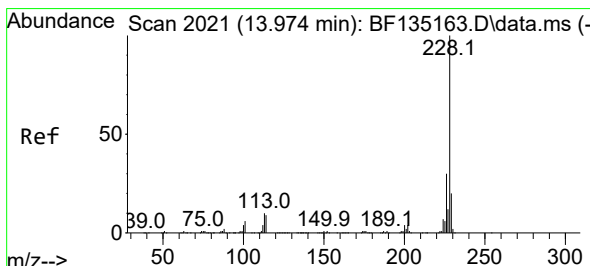
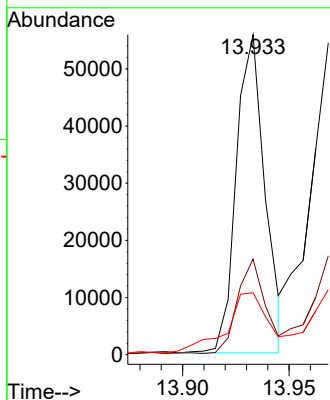
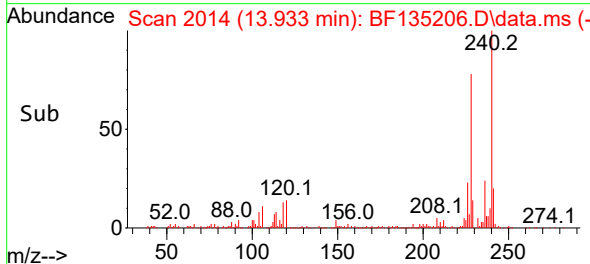
Instrument :
BNA_F
ClientSampleId :
289



Tgt Ion:228 Resp: 5228
Ion Ratio Lower Upper
228 100
226 29.9 21.7 32.5
229 19.3 15.8 23.8

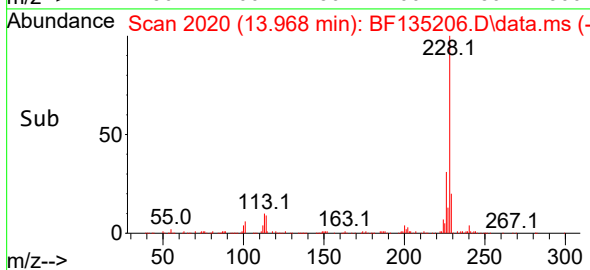
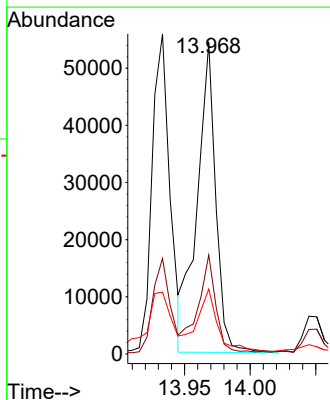
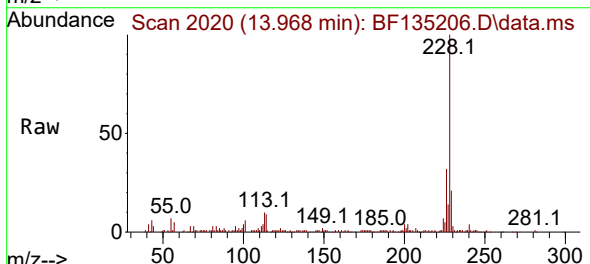
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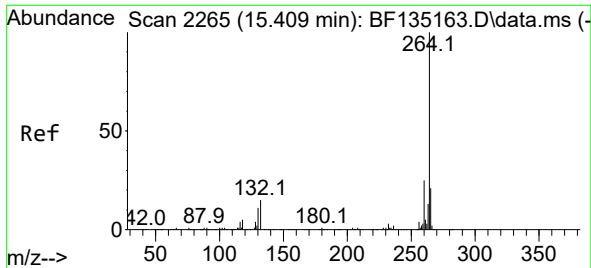
Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023



#83
Chrysene
Concen: 3.655 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

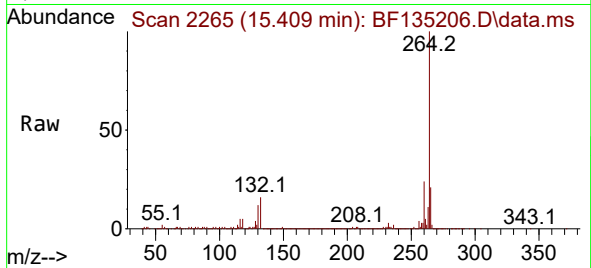
Tgt Ion:228 Resp: 54057
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 20.8 16.0 24.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 2192
 Delta R.T. 0.000 min
 Lab File: BF135206.D
 Acq: 13 Sep 2023 05:00

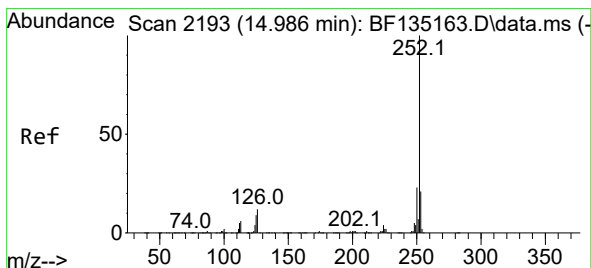
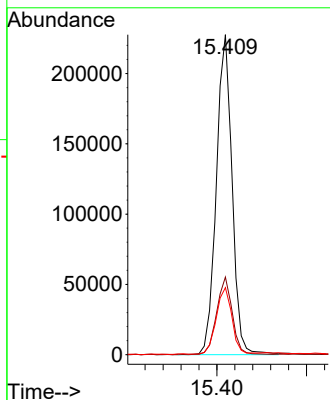
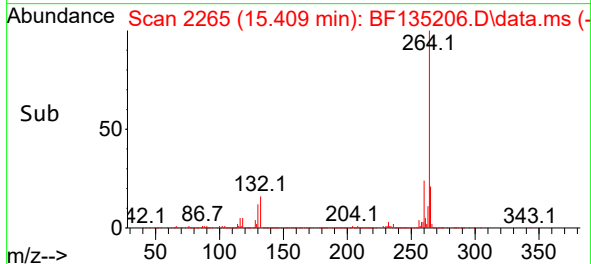
Instrument :
 BNA_F
 ClientSampleId :
 289



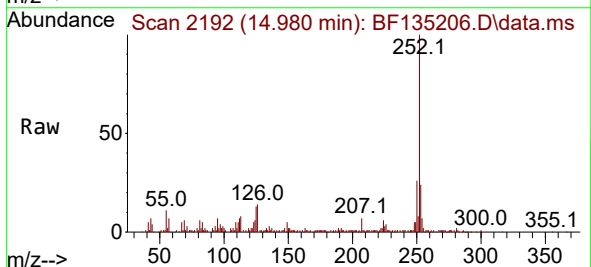
Tgt Ion:264 Resp: 27736
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.8 29.6
 265 21.0 17.0 25.4

Manual Integrations
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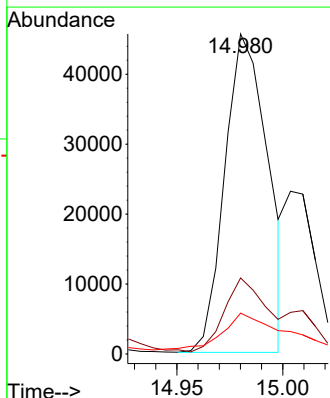
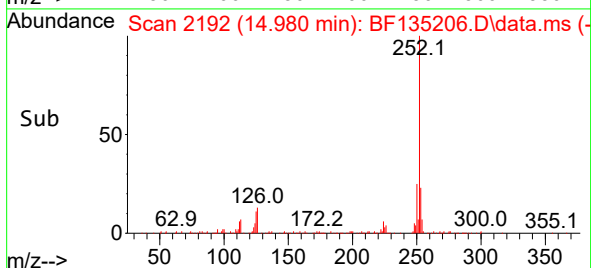
Reviewed By :Yogesh Patel 09/13/2023
 Supervised By :mohammad ahmed 09/14/2023

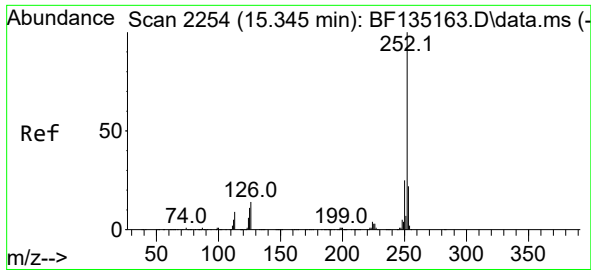


#88
 Benzo(b)fluoranthene
 Concen: 4.276 ng m
 RT: 14.980 min Scan# 2192
 Delta R.T. -0.006 min
 Lab File: BF135206.D
 Acq: 13 Sep 2023 05:00



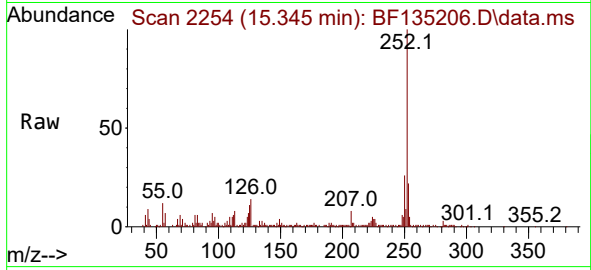
Tgt Ion:252 Resp: 64199
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.2 25.8
 125 12.8 7.1 10.7#





#90
Benzo(a)pyrene
Concen: 3.091 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135206.D
Acq: 13 Sep 2023 05:00

Instrument :
BNA_F
ClientSampleId :
289



Tgt Ion:252 Resp: 44250
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.7 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

