

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
 Data File : BF135736.D
 Acq On : 12 Oct 2023 15:57
 Operator : CG\JU
 Sample : 04685-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PP-20230928-B13-7.5-15

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/13/2023
 Supervised By :mohammad ahmed 10/13/2023

Quant Time: Oct 13 00:55:52 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	98544	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	324867	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	149196	20.000	ng	0.00
64) Phenanthrene-d10	11.268	188	242981	20.000	ng	0.00
76) Chrysene-d12	13.933	240	155136	20.000	ng	0.00
86) Perylene-d12	15.409	264	152458	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	496165	81.891	ng	0.00
7) Phenol-d6	6.386	99	597440	77.547	ng	0.00
23) Nitrobenzene-d5	7.304	82	327115	54.705	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	107106	72.240	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	537077	54.311	ng	0.00
79) Terphenyl-d14	12.863	244	418787	41.847	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	32143	2.797	ng	99
75) Fluoranthene	12.492	202	54222	4.528	ng	99
78) Pyrene	12.721	202	49799	3.372	ng	97
81) Benzo(a)anthracene	13.921	228	20870	2.083	ng	97
83) Chrysene	13.962	228	19989	2.007	ng	98
88) Benzo(b)fluoranthene	14.986	252	21486m	2.603	ng	
90) Benzo(a)pyrene	15.351	252	16116	2.048	ng	96

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

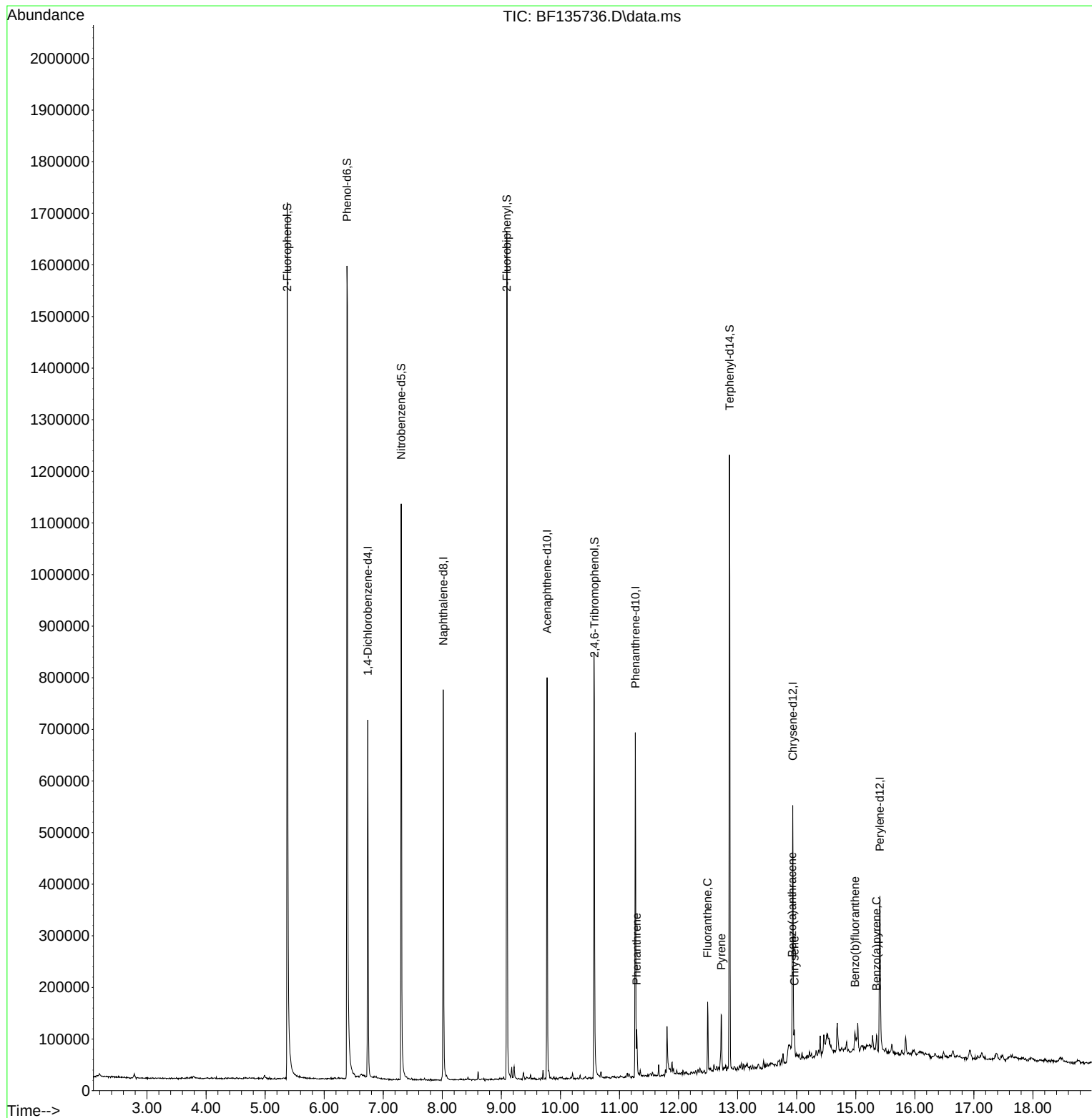
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101223\
Data File : BF135736.D
Acq On : 12 Oct 2023 15:57
Operator : CG\JU
Sample : 04685-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

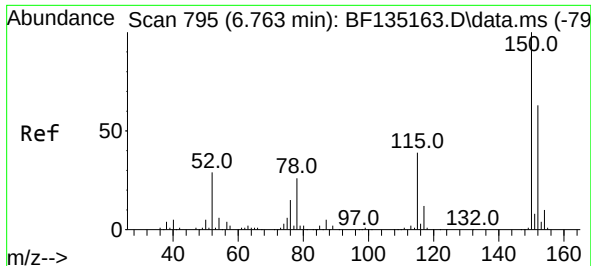
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15

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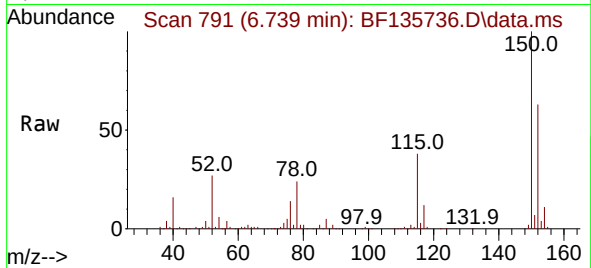
Quant Time: Oct 13 00:55:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 02:43:17 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

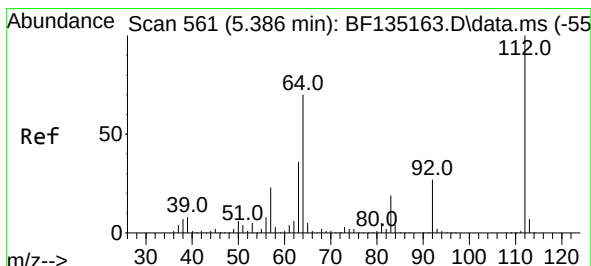
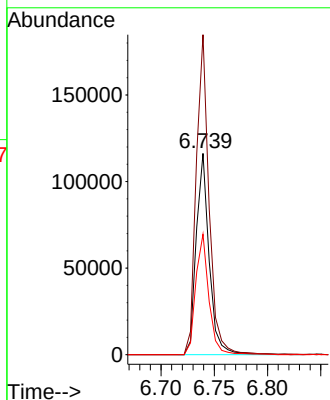
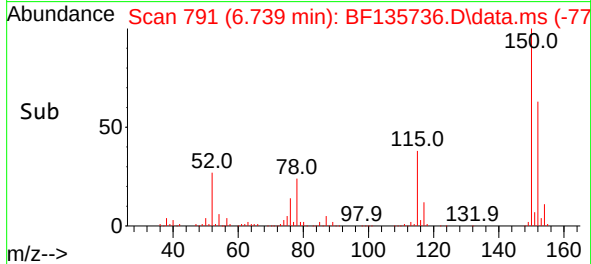
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15



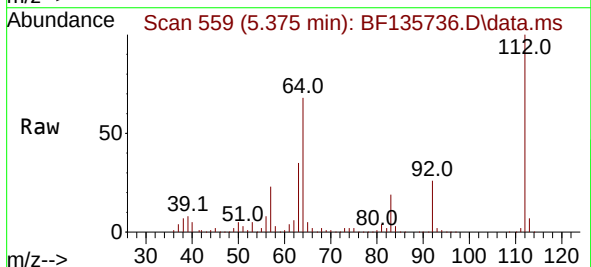
Tgt Ion:152 Resp: 98544
Ion Ratio Lower Upper
152 100
150 159.0 127.8 191.6
115 59.9 49.8 74.8

Manual Integrations
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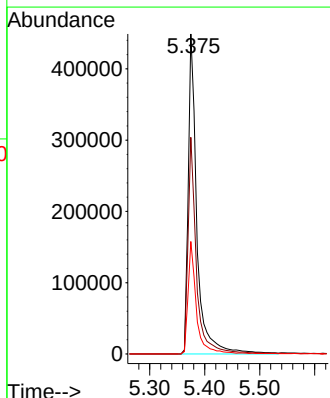
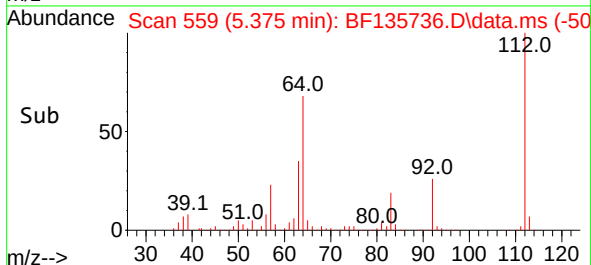
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

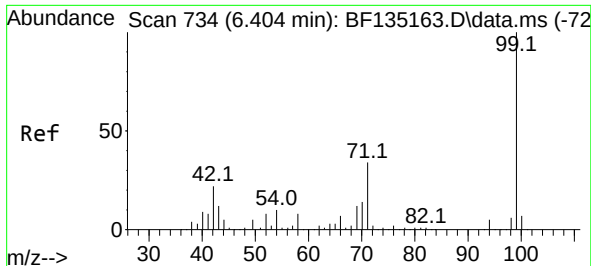


#5
2-Fluorophenol
Concen: 81.891 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57



Tgt Ion:112 Resp: 496165
Ion Ratio Lower Upper
112 100
64 67.7 55.9 83.9
63 35.2 29.0 43.6





#7

Phenol-d6

Concen: 77.547 ng

RT: 6.386 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135736.D

Acq: 12 Oct 2023 15:57

Instrument :

BNA_F

ClientSampleId :

PP-20230928-B13-7.5-15

Tgt Ion: 99 Resp: 597440

Ion Ratio Lower Upper

99 100

42 24.2 17.9 26.9

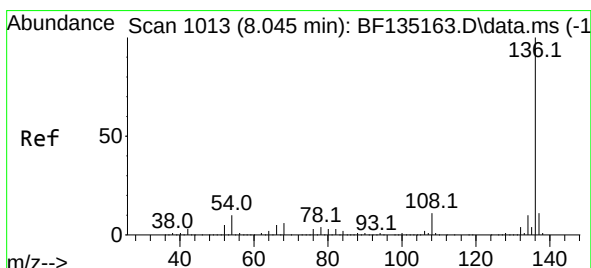
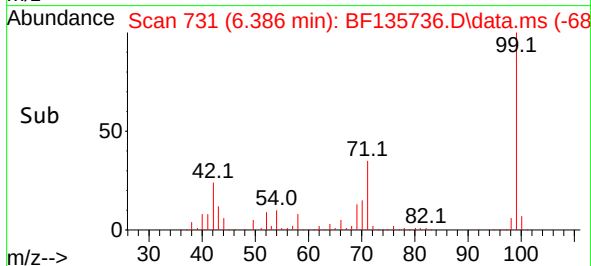
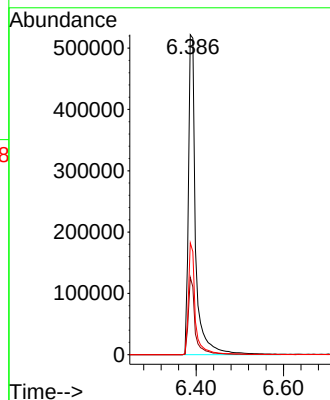
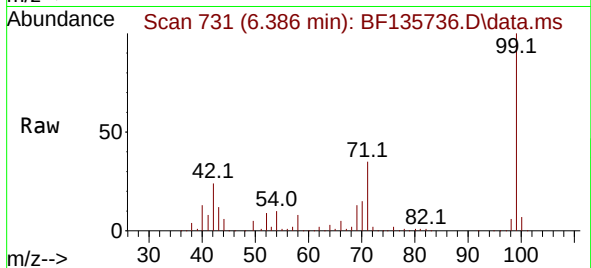
71 35.0 27.0 40.6

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF135736.D

Acq: 12 Oct 2023 15:57

Tgt Ion:136 Resp: 324867

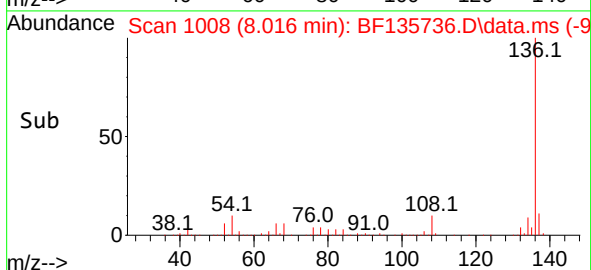
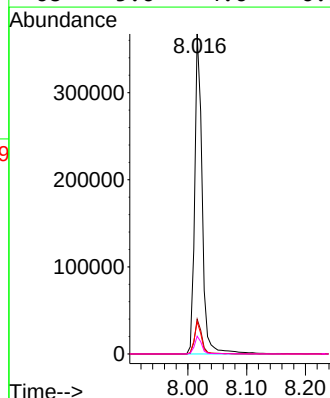
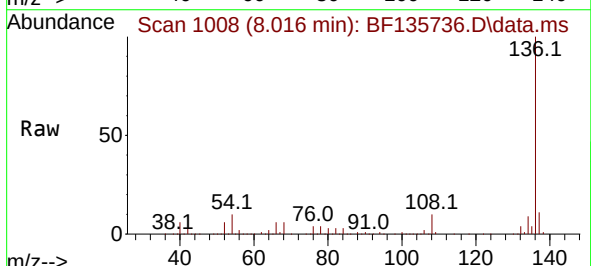
Ion Ratio Lower Upper

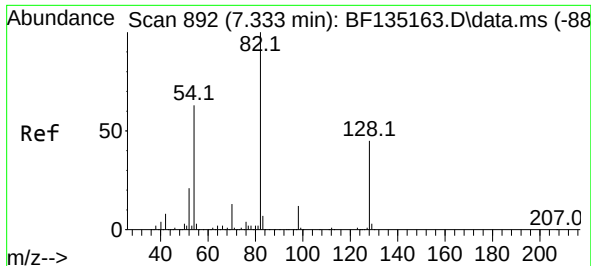
136 100

137 10.9 8.8 13.2

54 10.1 7.7 11.5

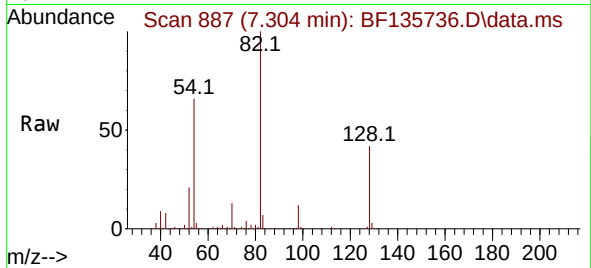
68 5.6 4.6 6.8





#23
Nitrobenzene-d5
Concen: 54.705 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

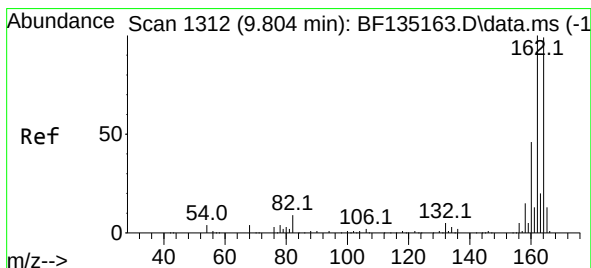
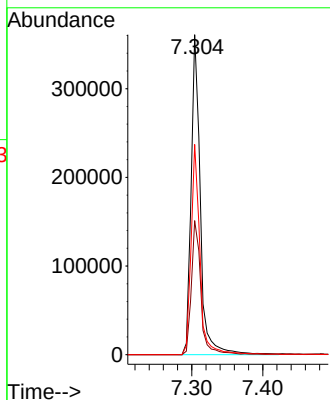
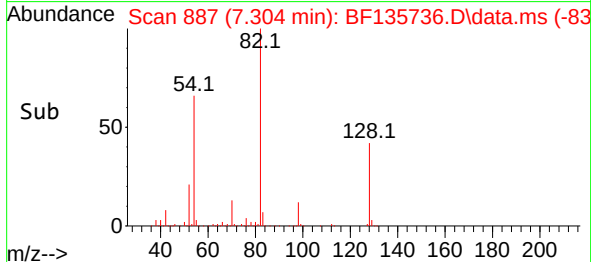
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15



Tgt Ion: 82 Resp: 327115
Ion Ratio Lower Upper
82 100
128 41.9 35.8 53.6
54 65.7 50.6 76.0

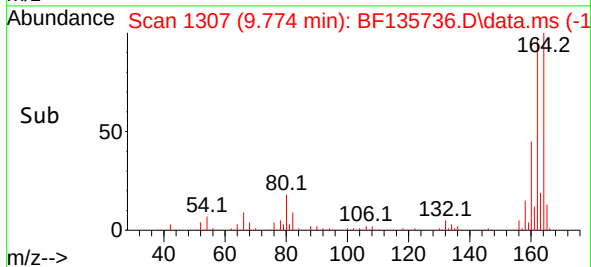
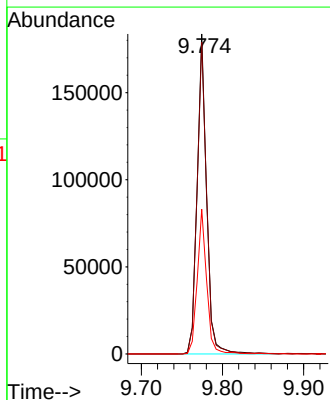
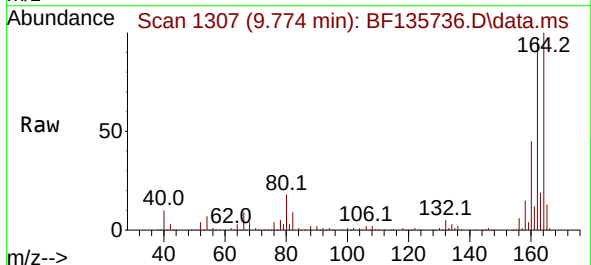
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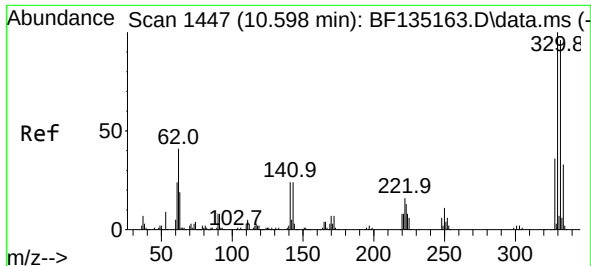
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Tgt Ion:164 Resp: 149196
Ion Ratio Lower Upper
164 100
162 97.5 81.0 121.4
160 45.2 37.0 55.4





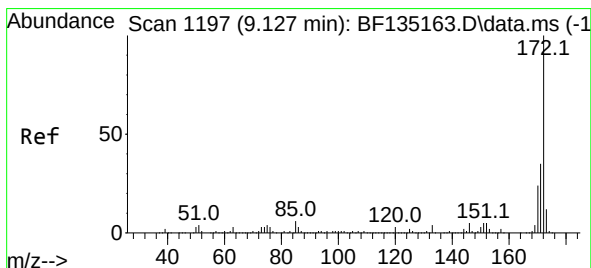
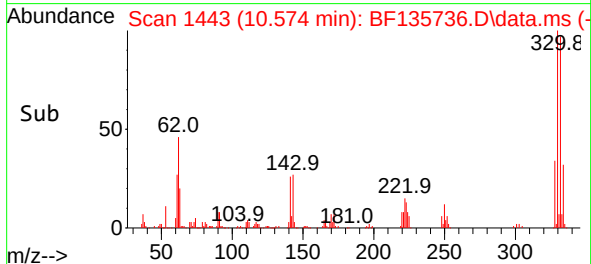
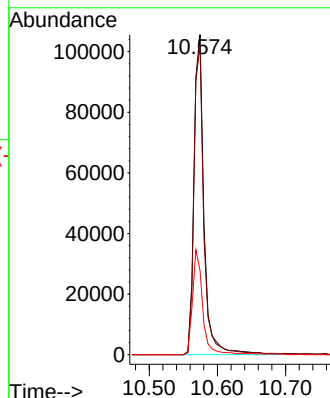
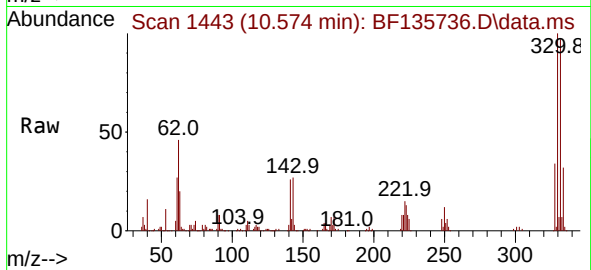
#42
2,4,6-Tribromophenol
Concen: 72.240 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15

Tgt Ion:330 Resp: 107100
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 33.0 25.8 38.8

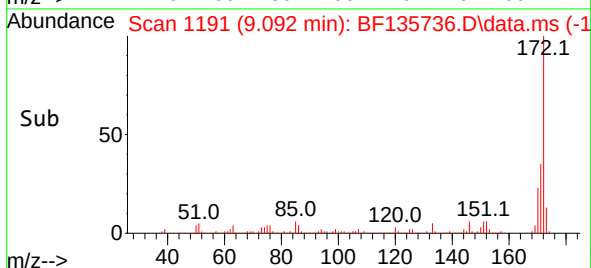
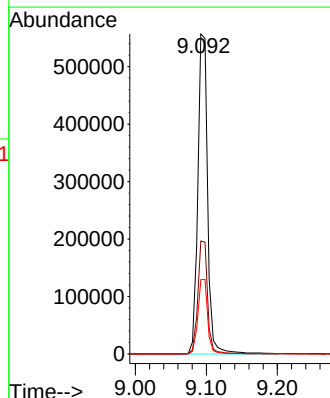
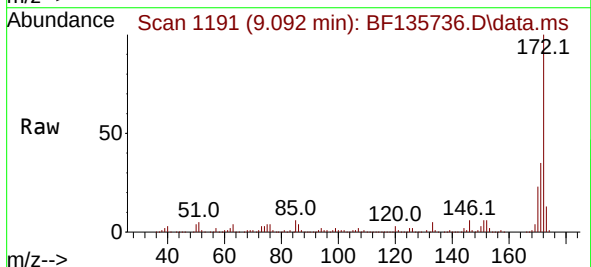
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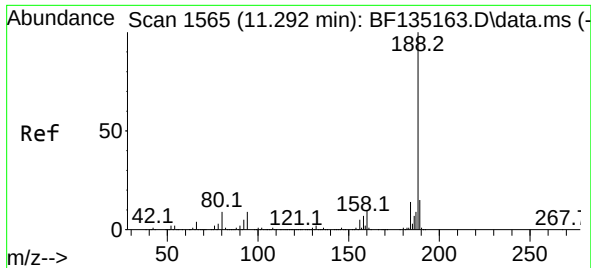
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#45
2-Fluorobiphenyl
Concen: 54.311 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

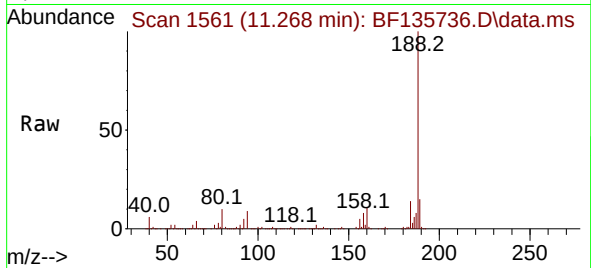
Tgt Ion:172 Resp: 537077
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.2 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.268 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

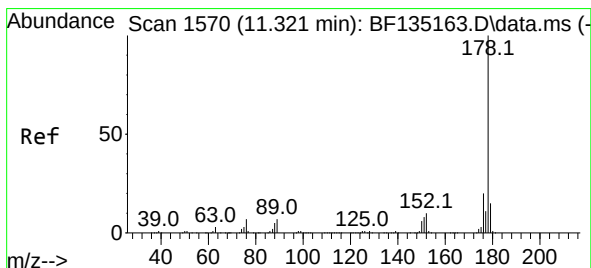
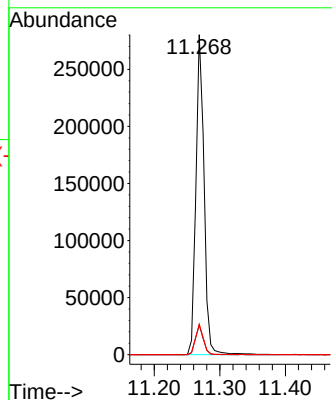
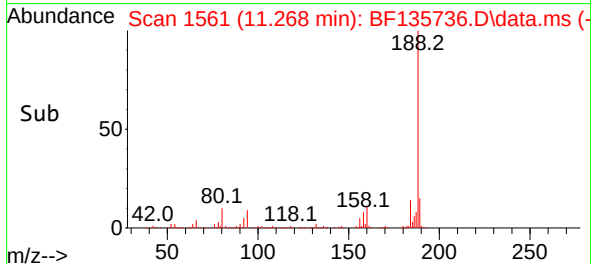
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15



Tgt Ion:188 Resp: 24298
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.6
80 9.6 7.5 11.3

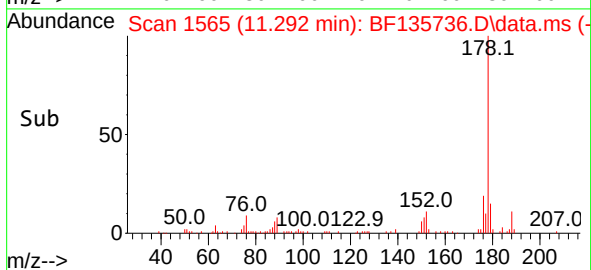
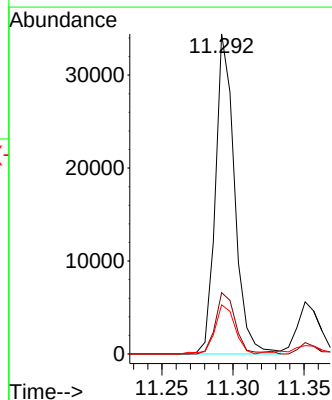
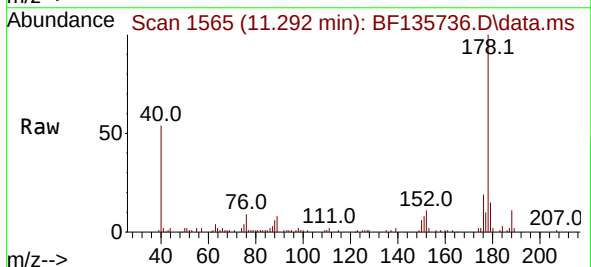
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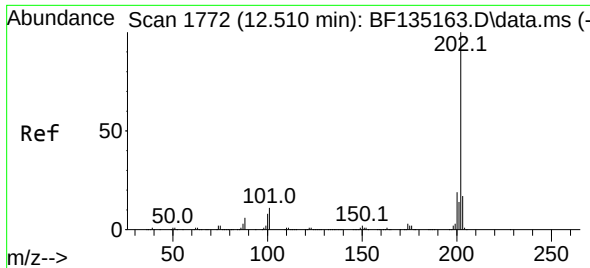
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#71
Phenanthrene
Concen: 2.797 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

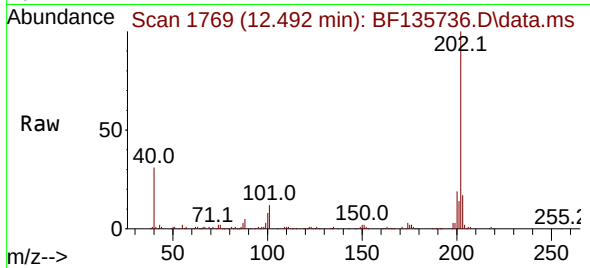
Tgt Ion:178 Resp: 32143
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.4 12.0 18.0





#75
Fluoranthene
Concen: 4.528 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

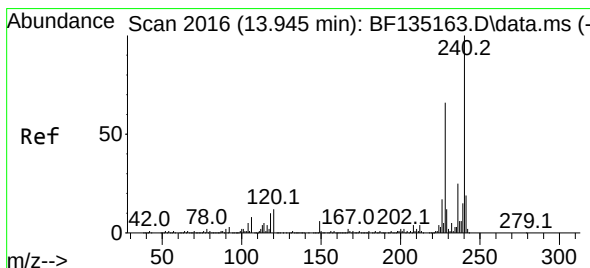
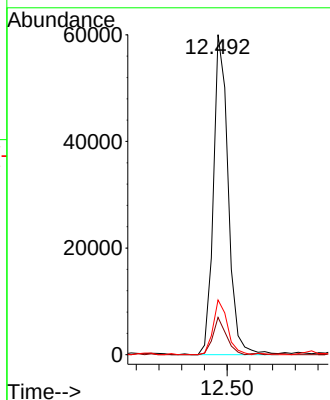
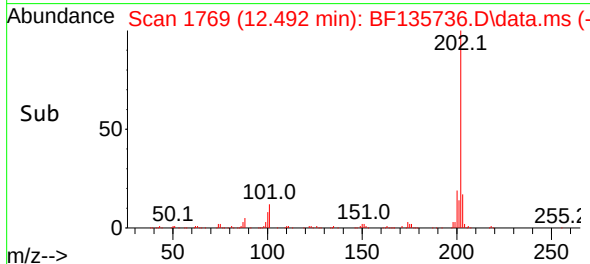
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15



Tgt Ion:202 Resp: 5422
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.3
203 17.1 0.0 37.4

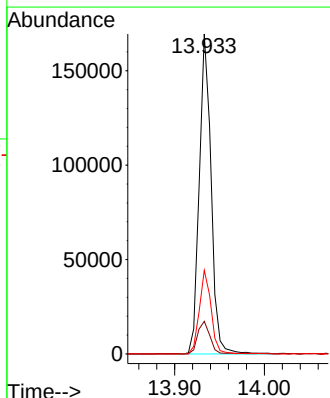
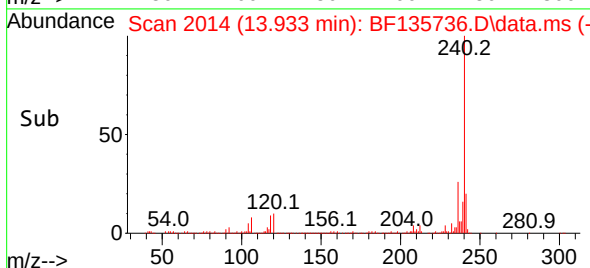
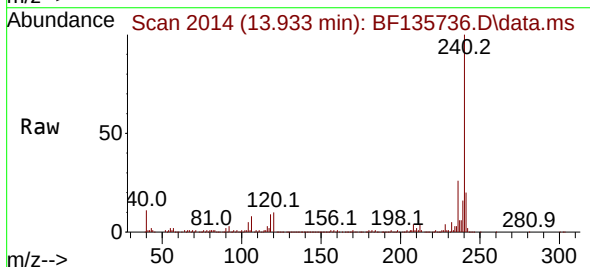
Manual Integrations
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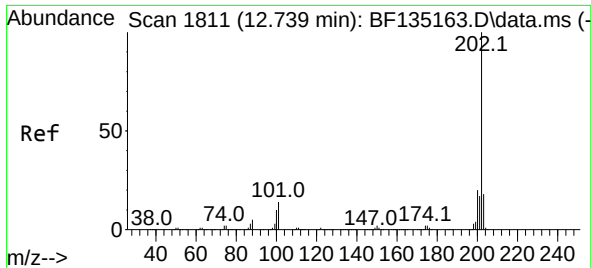
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

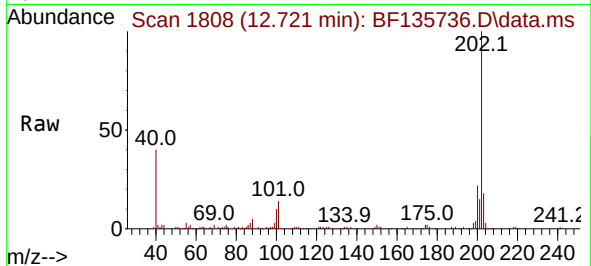
Tgt Ion:240 Resp: 155136
Ion Ratio Lower Upper
240 100
120 10.2 9.4 14.2
236 26.2 19.8 29.8





#78
Pyrene
Concen: 3.372 ng
RT: 12.721 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

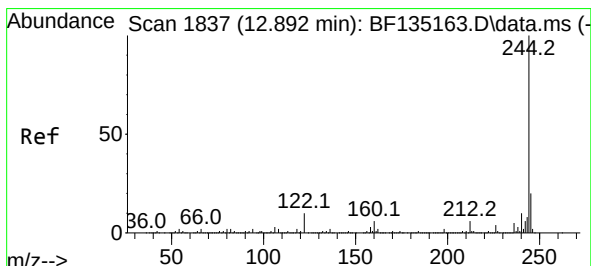
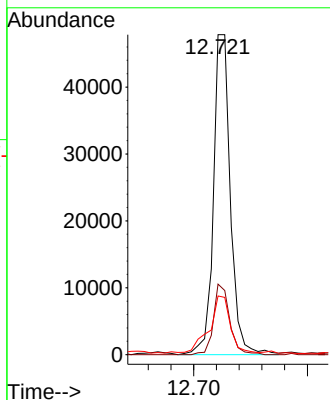
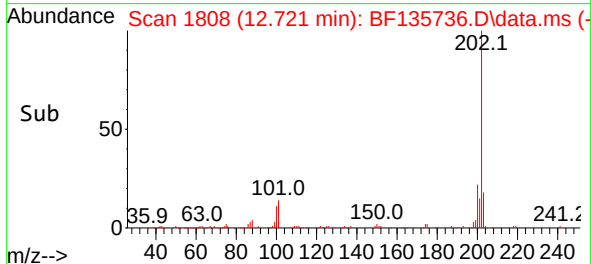
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15



Tgt Ion:202 Resp: 49799
Ion Ratio Lower Upper
202 100
200 22.0 16.2 24.2
203 18.4 14.2 21.4

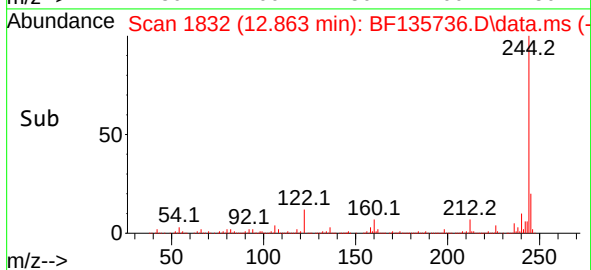
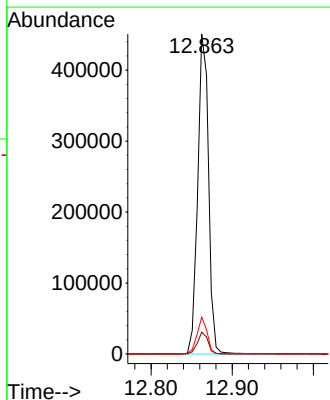
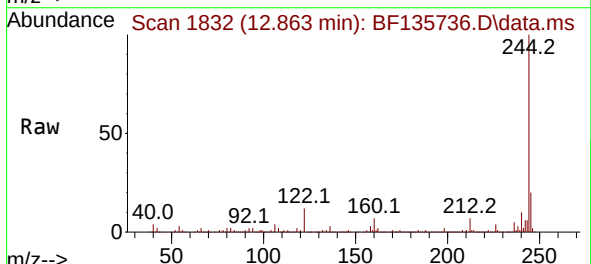
Manual Integrations
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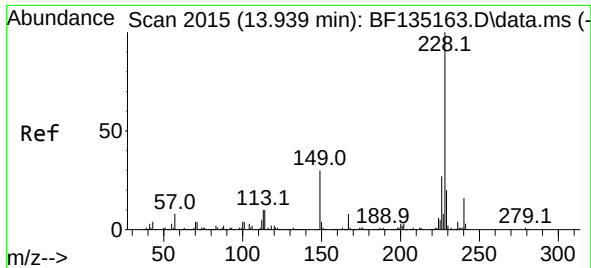
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#79
Terphenyl-d14
Concen: 41.847 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

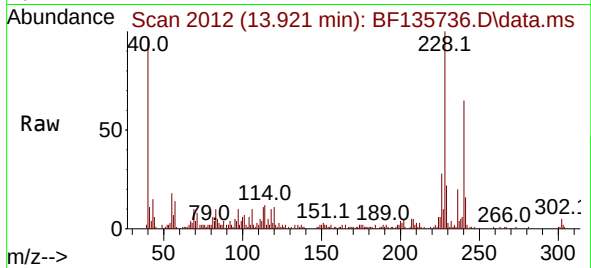
Tgt Ion:244 Resp: 418787
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 11.5 7.9 11.9





#81
Benzo(a)anthracene
Concen: 2.083 ng
RT: 13.921 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

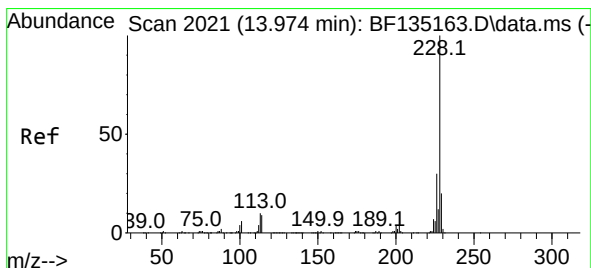
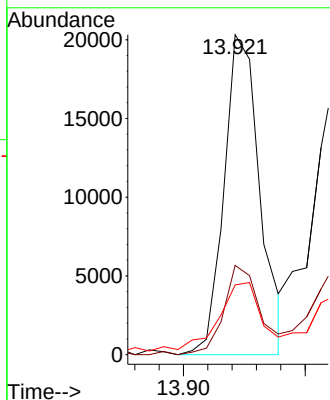
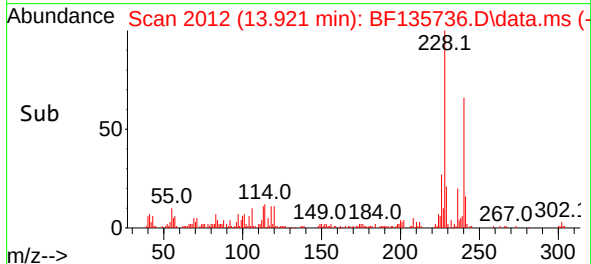
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15



Tgt Ion:228 Resp: 20870
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 21.8 15.8 23.8

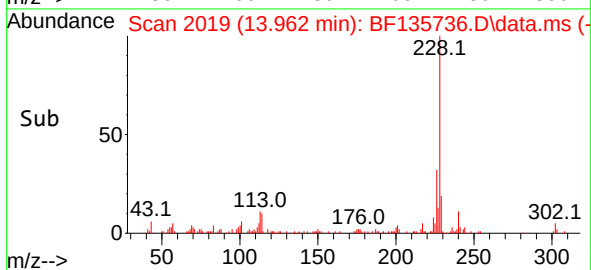
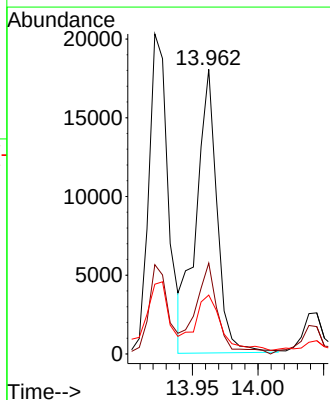
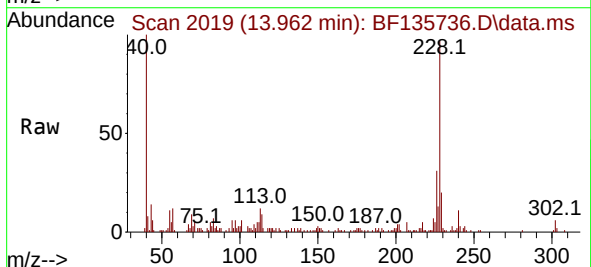
Manual Integrations
APPROVED

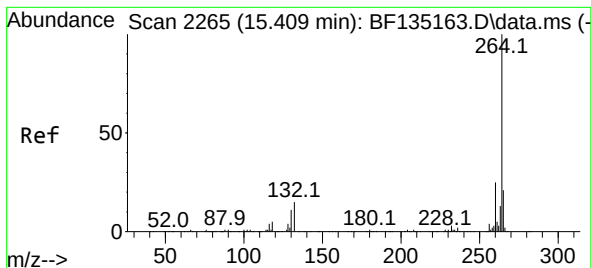
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023



#83
Chrysene
Concen: 2.007 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

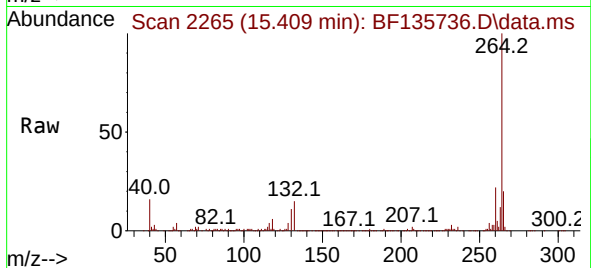
Tgt Ion:228 Resp: 19989
Ion Ratio Lower Upper
228 100
226 31.9 24.3 36.5
229 20.7 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

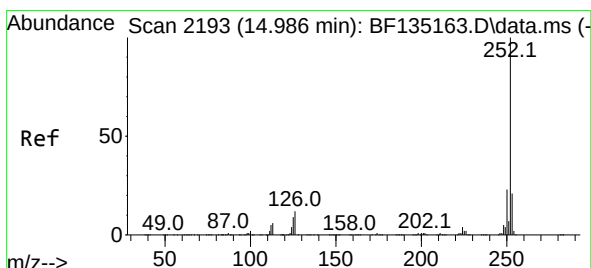
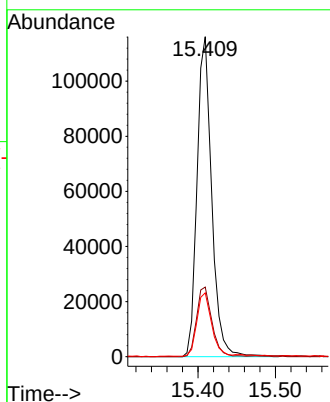
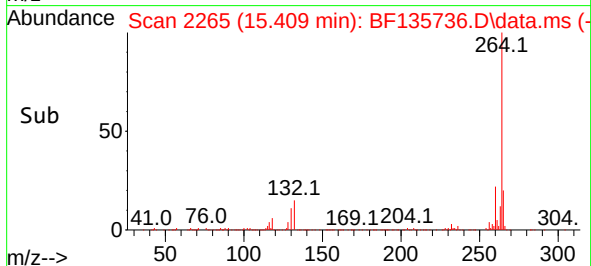
Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15



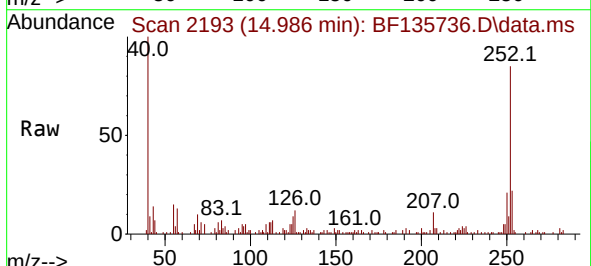
Tgt Ion:264 Resp: 152458
Ion Ratio Lower Upper
264 100
260 21.8 19.8 29.6
265 20.0 17.0 25.4

Manual Integrations
APPROVED

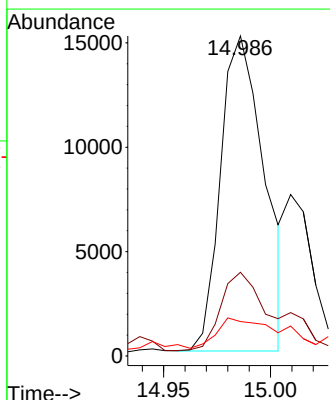
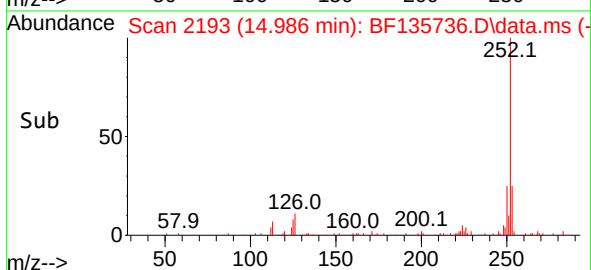
Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

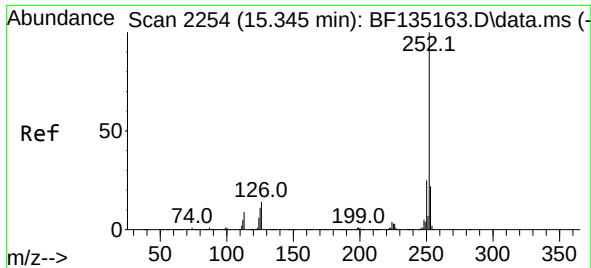


#88
Benzo(b)fluoranthene
Concen: 2.603 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57



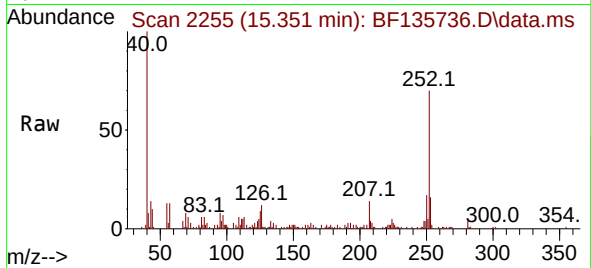
Tgt Ion:252 Resp: 21486
Ion Ratio Lower Upper
252 100
253 26.1 17.2 25.8#
125 10.7 7.1 10.7#





#90
Benzo(a)pyrene
Concen: 2.048 ng
RT: 15.351 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135736.D
Acq: 12 Oct 2023 15:57

Instrument :
BNA_F
ClientSampleId :
PP-20230928-B13-7.5-15



Tgt Ion:252 Resp: 16110
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 13.4 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/13/2023
Supervised By :mohammad ahmed 10/13/2023

