

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135294.D
 Acq On : 15 Sep 2023 23:07
 Operator : CG\JU
 Sample : 04401-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH110

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/18/2023
 Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 16 01:57:08 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	6.757	152	100762	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	352814	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	146004	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	297413	20.000	ng	0.00
76) Chrysene-d12	13.945	240	217616	20.000	ng	0.00
86) Perylene-d12	15.409	264	169636	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	570728	92.124	ng	0.00
7) Phenol-d6	6.404	99	683299	86.740	ng	0.00
23) Nitrobenzene-d5	7.322	82	417968	64.362	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	155033	106.851	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	667605	68.986	ng	-0.01
79) Terphenyl-d14	12.886	244	780919	55.629	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	37315	2.653	ng	99
75) Fluoranthene	12.504	202	77129	5.262	ng	98
78) Pyrene	12.733	202	68142	3.289	ng	99
81) Benzo(a)anthracene	13.933	228	36189	2.575	ng	97
83) Chrysene	13.968	228	31828	2.278	ng	95
88) Benzo(b)fluoranthene	14.986	252	33423m	3.640	ng	
90) Benzo(a)pyrene	15.345	252	22052	2.518	ng	# 92

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

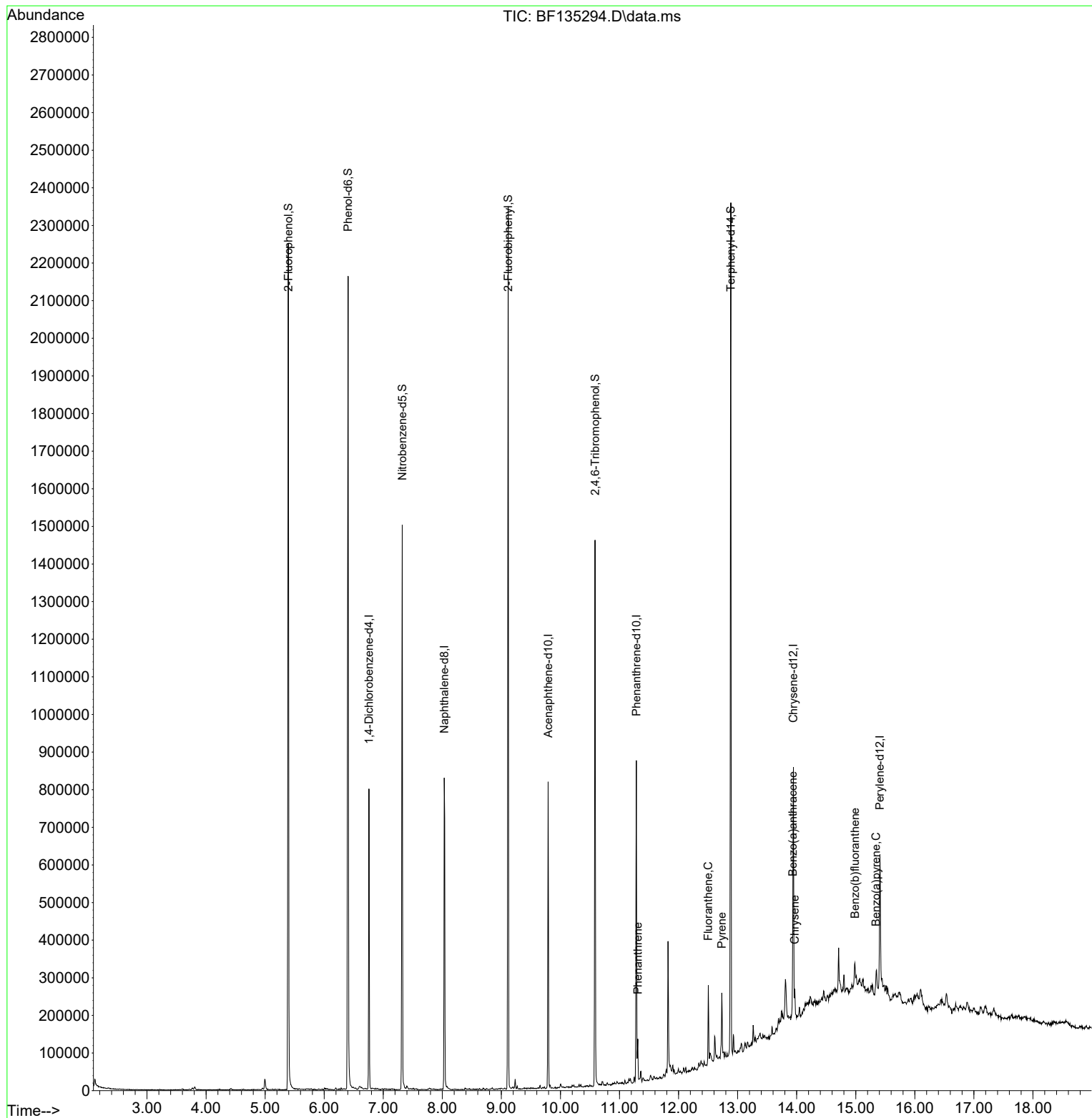
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135294.D
Acq On : 15 Sep 2023 23:07
Operator : CG\JU
Sample : 04401-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

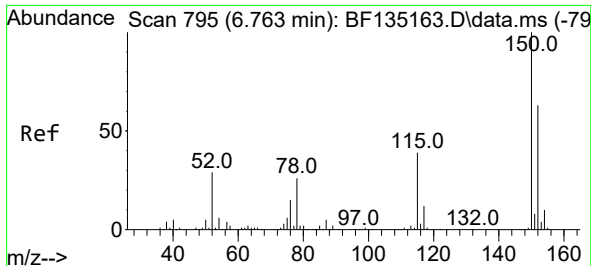
Instrument :
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MH110

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Supervised By :mohammad ahmed 09/19/2023

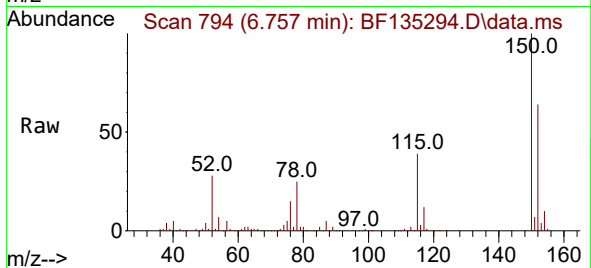
Quant Time: Sep 16 01:57:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

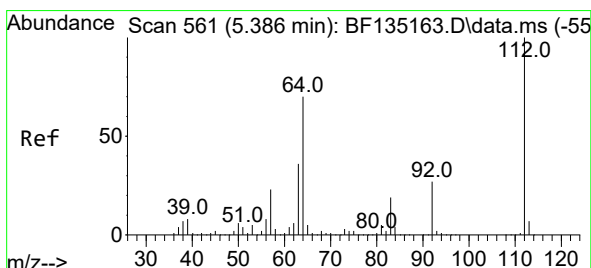
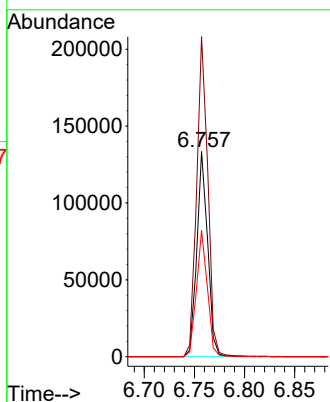
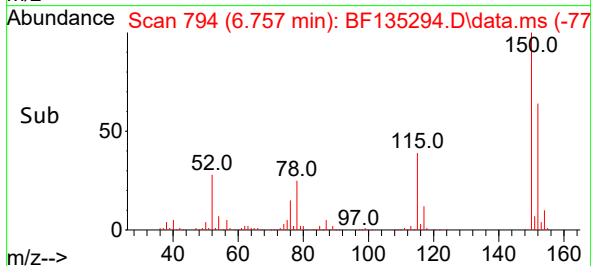
Instrument :
BNA_F
ClientSampleId :
MH110



Tgt Ion:152 Resp: 100762
Ion Ratio Lower Upper
152 100
150 156.0 127.8 191.6
115 61.6 49.8 74.8

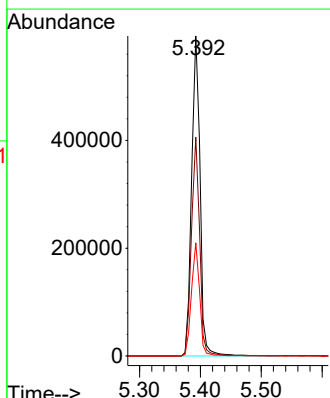
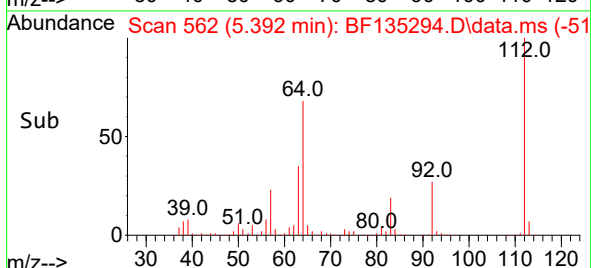
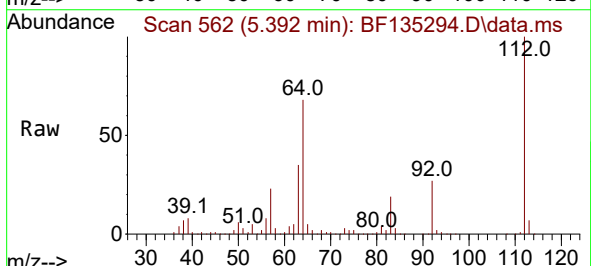
Manual Integrations
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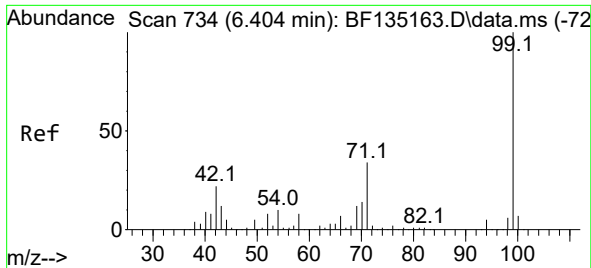
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#5
2-Fluorophenol
Concen: 92.124 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

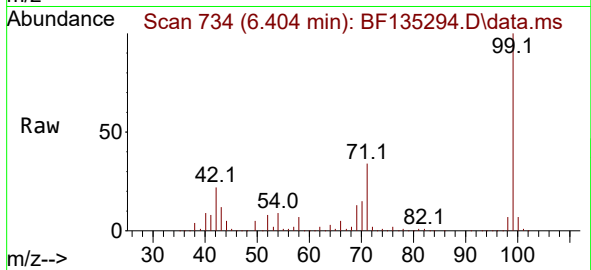
Tgt Ion:112 Resp: 570728
Ion Ratio Lower Upper
112 100
64 68.3 55.9 83.9
63 35.4 29.0 43.6





#7
Phenol-d6
Concen: 86.740 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

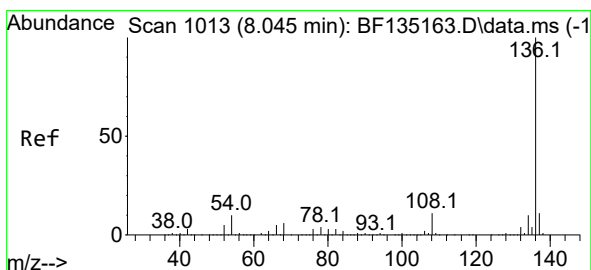
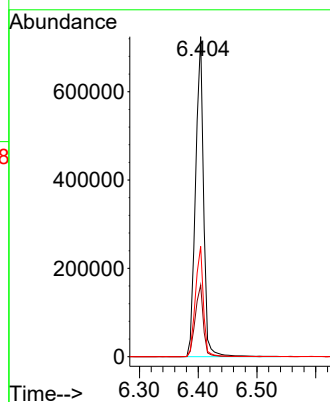
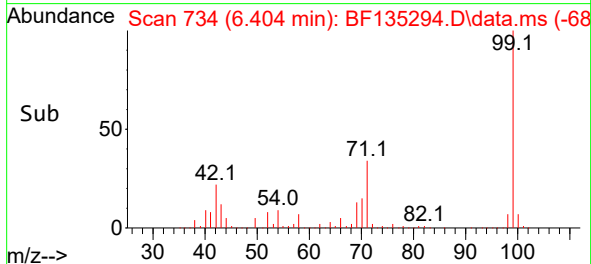
Instrument :
BNA_F
ClientSampleId :
MH110



Tgt Ion: 99 Resp: 683299
Ion Ratio Lower Upper
99 100
42 22.4 17.9 26.9
71 34.5 27.0 40.6

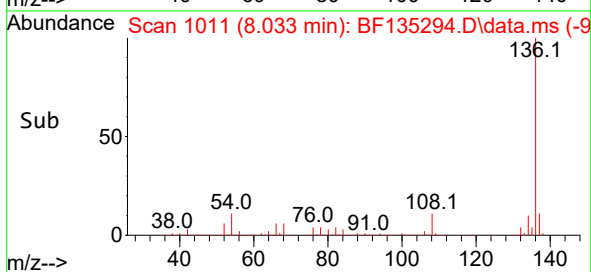
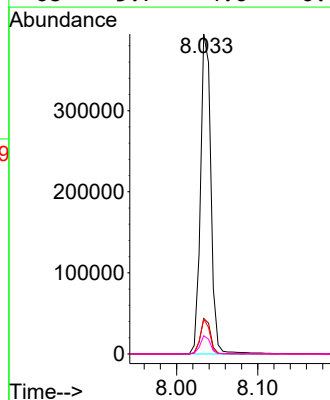
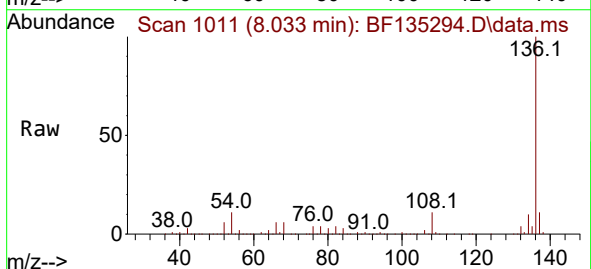
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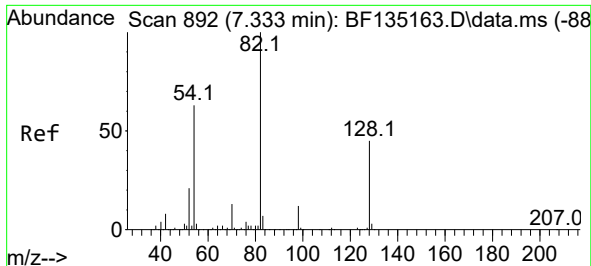
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion:136 Resp: 352814
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.9 7.7 11.5
68 5.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 64.362 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135294.D

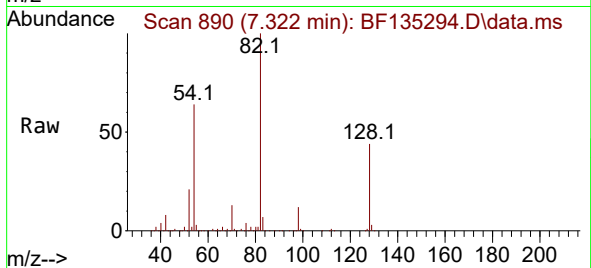
Acq: 15 Sep 2023 23:07

Instrument :

BNA_F

ClientSampleId :

MH110



Tgt Ion: 82 Resp: 41796

Ion Ratio Lower Upper

82 100

128 44.4 35.8 53.6

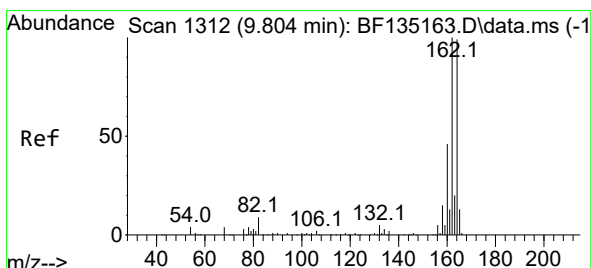
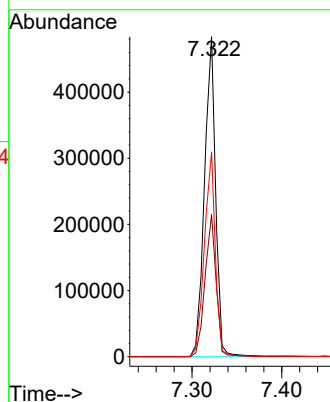
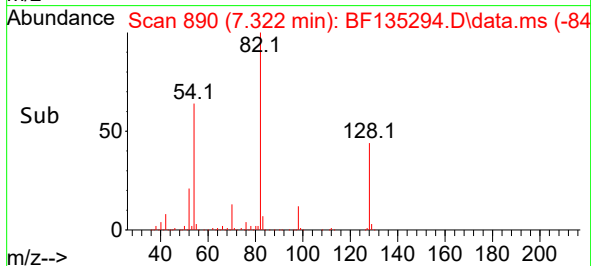
54 64.0 50.6 76.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/18/2023

Supervised By :mohammad ahmed 09/19/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

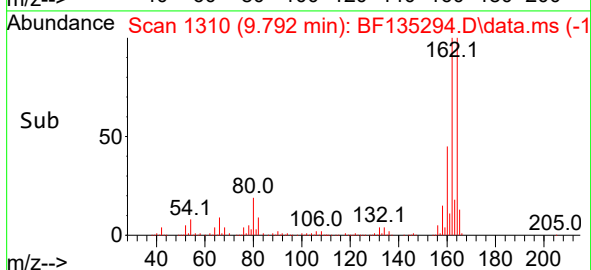
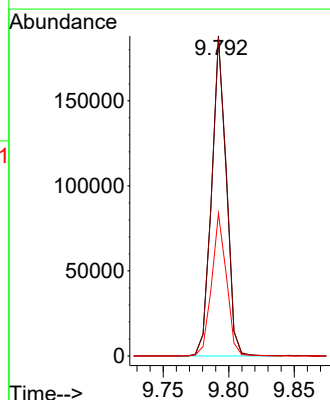
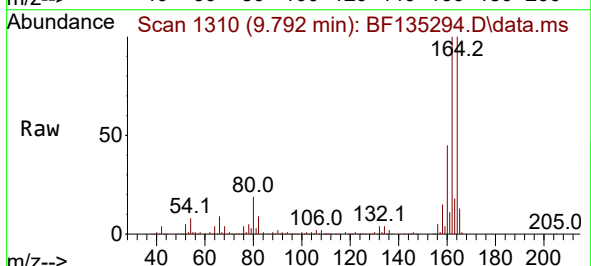
Tgt Ion:164 Resp: 146004

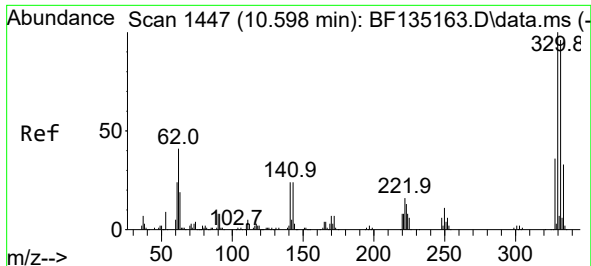
Ion Ratio Lower Upper

164 100

162 99.6 81.0 121.4

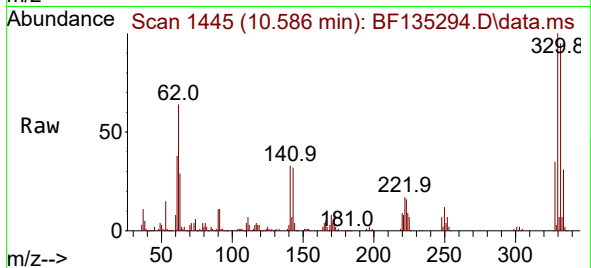
160 44.6 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 106.851 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

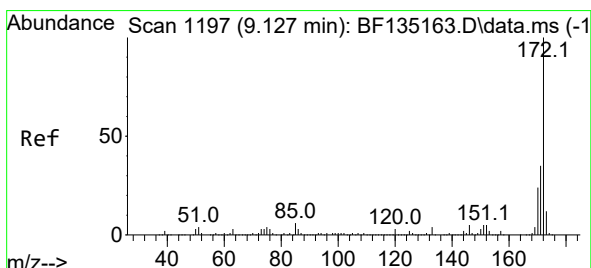
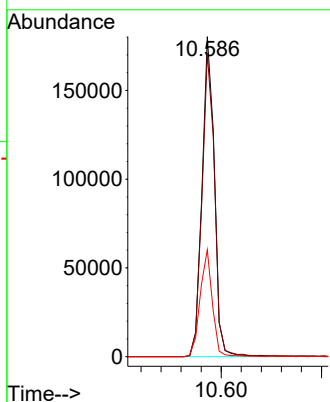
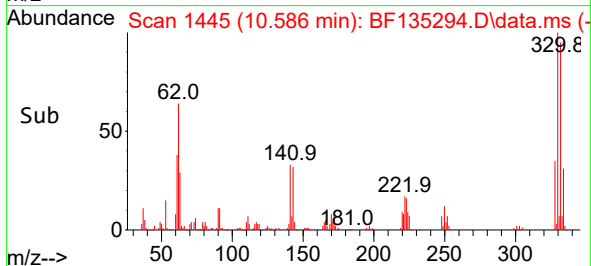
Instrument :
BNA_F
ClientSampleId :
MH110



Tgt Ion:330 Resp: 15503
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 33.1 25.8 38.8

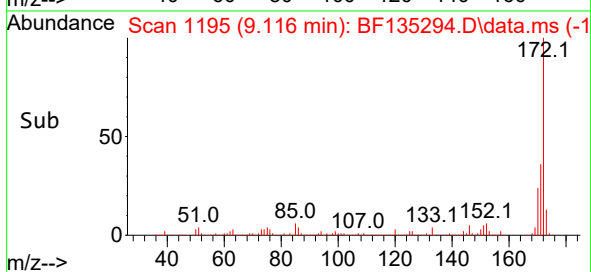
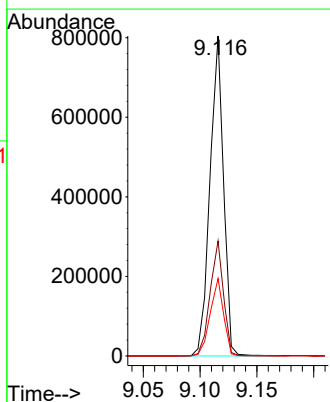
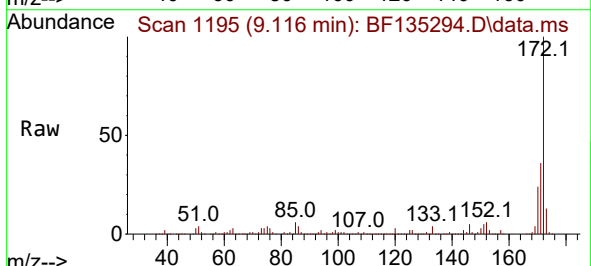
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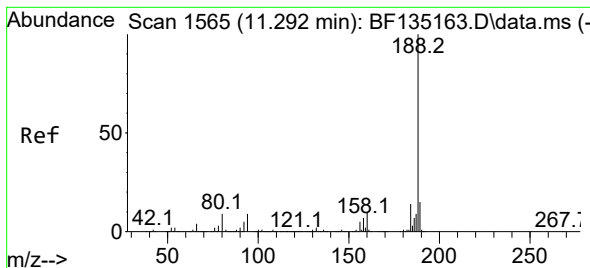
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#45
2-Fluorobiphenyl
Concen: 68.986 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

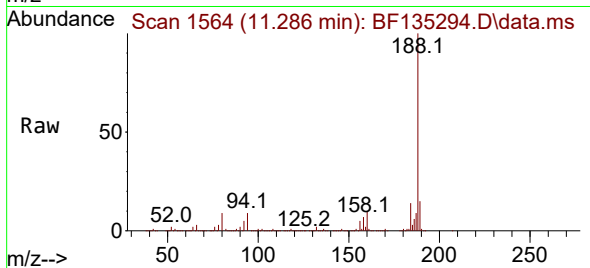
Tgt Ion:172 Resp: 667605
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 24.2 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

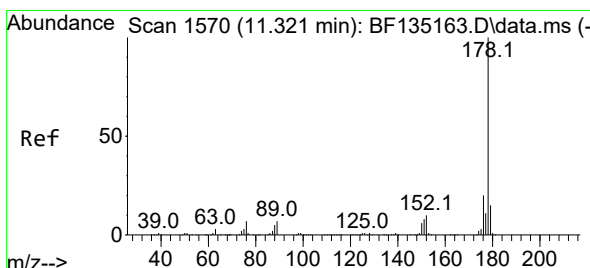
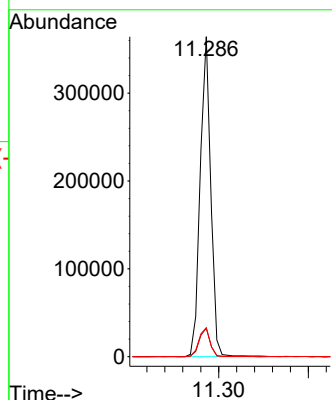
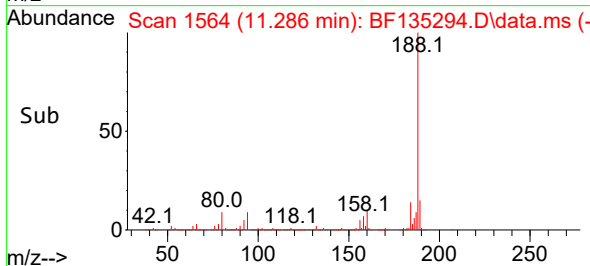
Instrument :
BNA_F
ClientSampleId :
MH110



Tgt Ion:188 Resp: 29741
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.6
80 9.0 7.5 11.3

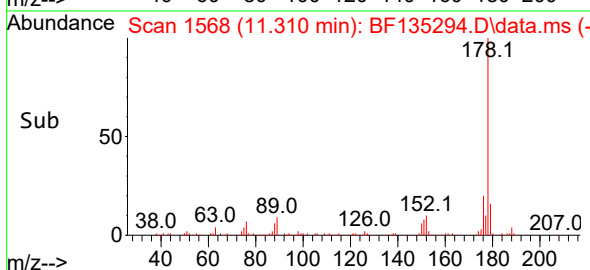
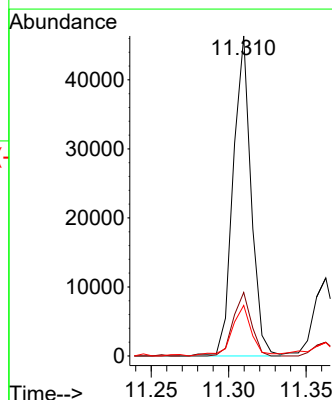
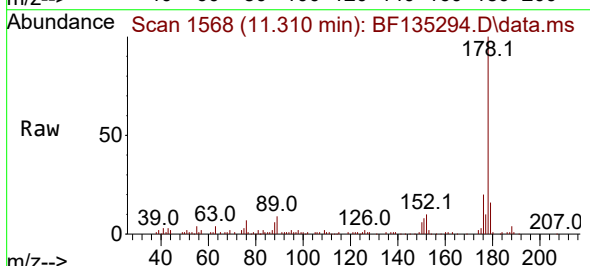
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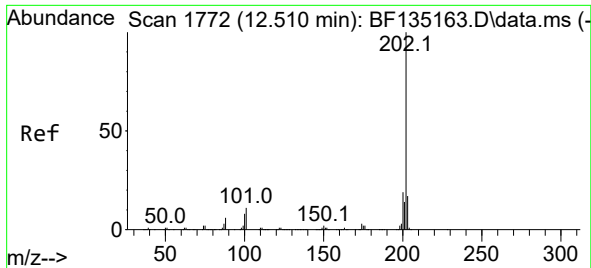
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#71
Phenanthrene
Concen: 2.653 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

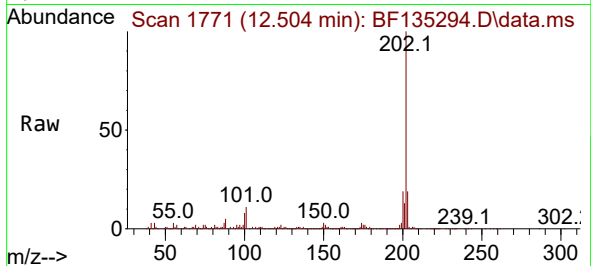
Tgt Ion:178 Resp: 37315
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 15.8 12.0 18.0





#75
Fluoranthene
Concen: 5.262 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

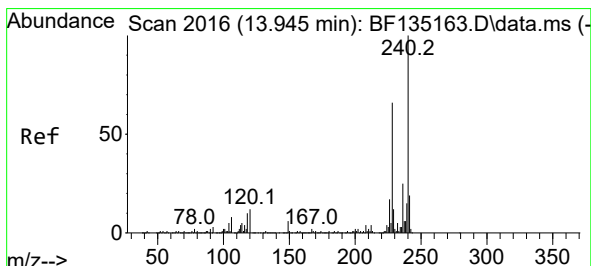
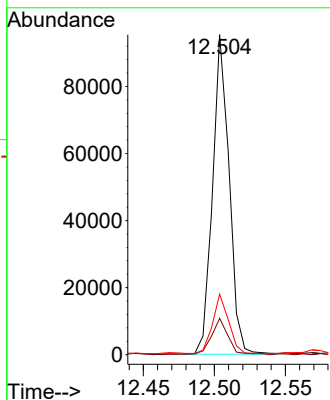
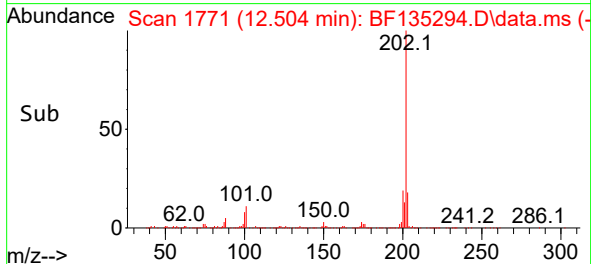
Instrument :
BNA_F
ClientSampleId :
MH110



Tgt Ion:202 Resp: 77129
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 18.9 0.0 37.4

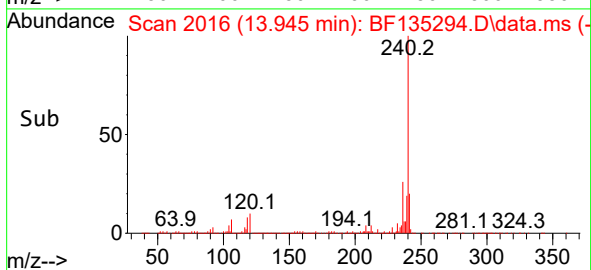
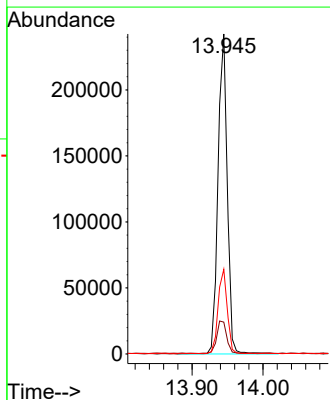
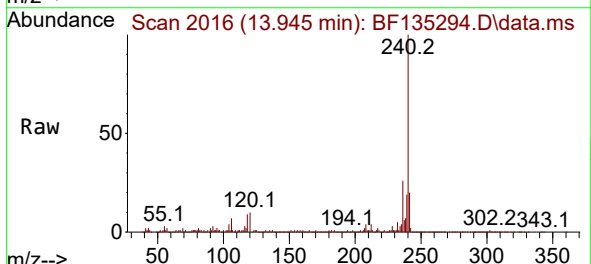
Manual Integrations
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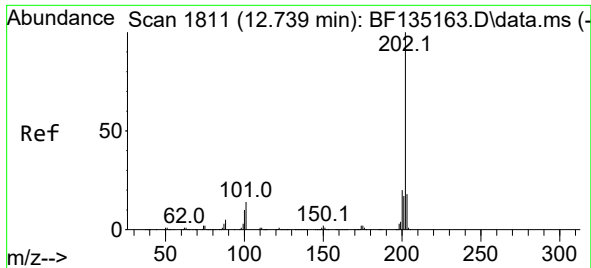
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

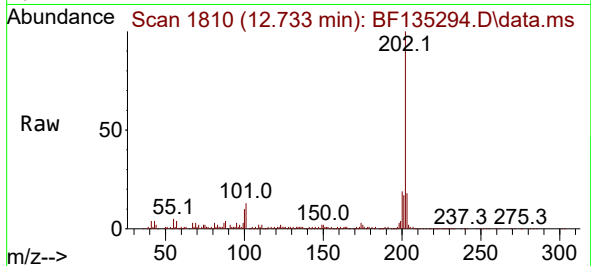
Tgt Ion:240 Resp: 217616
Ion Ratio Lower Upper
240 100
120 9.9 9.4 14.2
236 26.4 19.8 29.8





#78
Pyrene
Concen: 3.289 ng
RT: 12.733 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

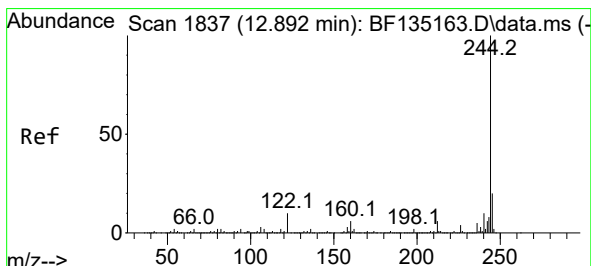
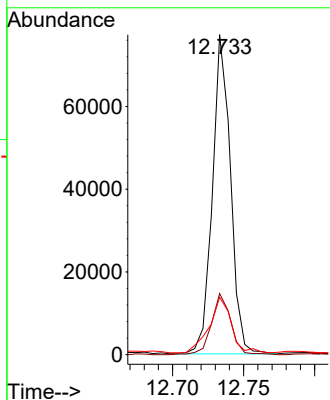
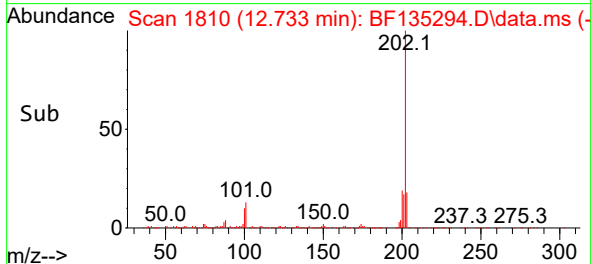
Instrument :
BNA_F
ClientSampleId :
MH110



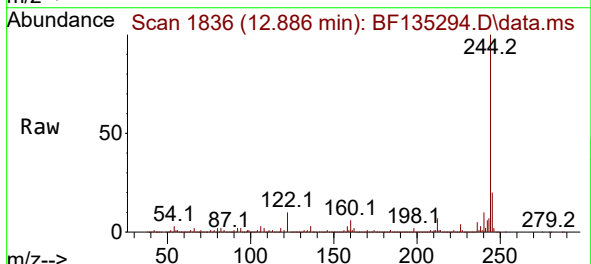
Tgt Ion:202 Resp: 6814
Ion Ratio Lower Upper
202 100
200 19.1 16.2 24.2
203 17.9 14.2 21.4

Manual Integrations
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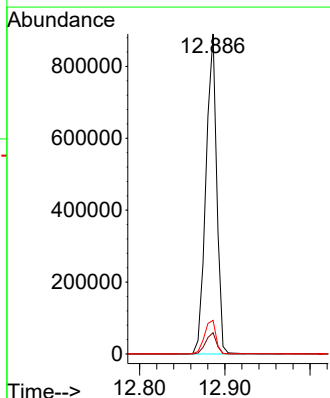
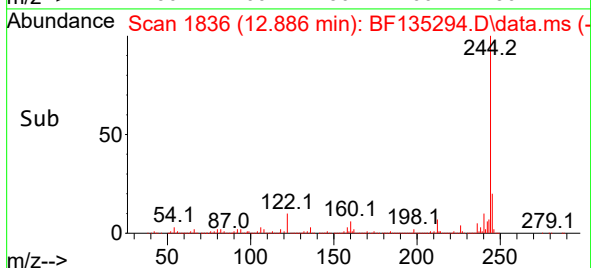
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

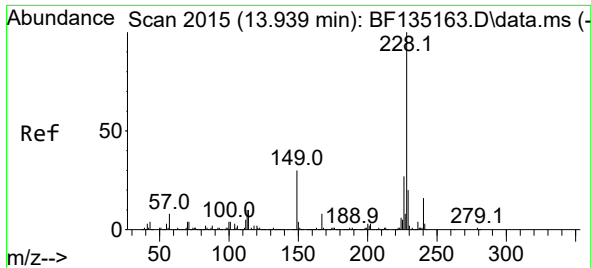


#79
Terphenyl-d14
Concen: 55.629 ng
RT: 12.886 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07



Tgt Ion:244 Resp: 780919
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 10.5 7.9 11.9





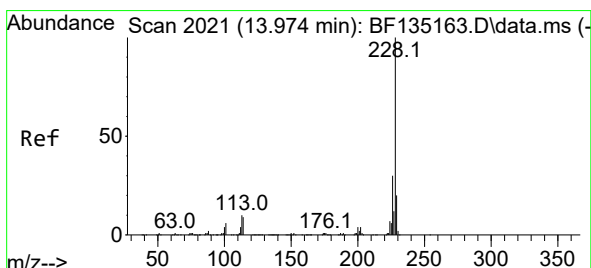
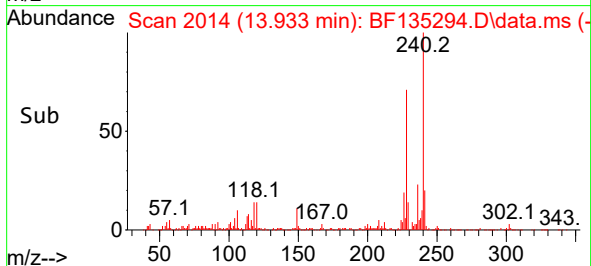
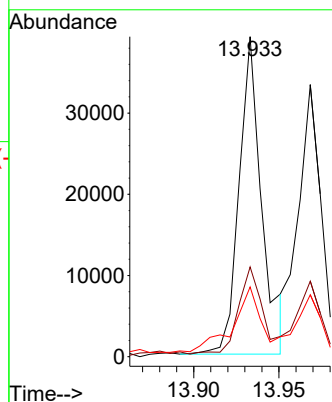
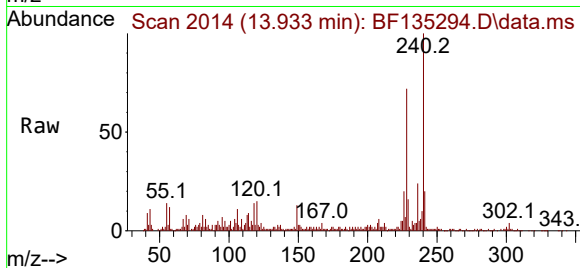
#81
Benzo(a)anthracene
Concen: 2.575 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Instrument :
BNA_F
ClientSampleId :
MH110

Tgt Ion:228 Resp: 36189
Ion Ratio Lower Upper
228 100
226 28.0 21.7 32.5
229 21.8 15.8 23.8

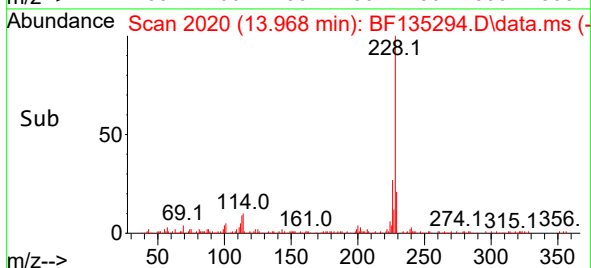
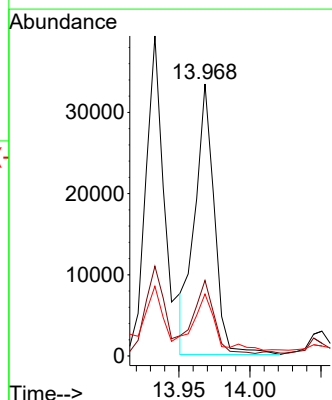
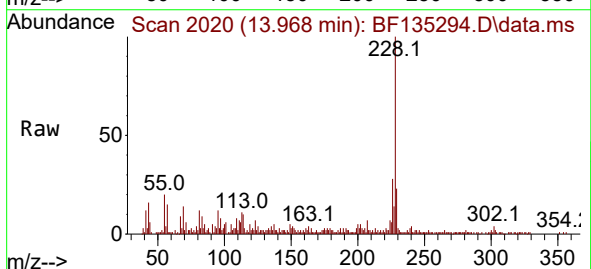
Manual Integrations
APPROVED

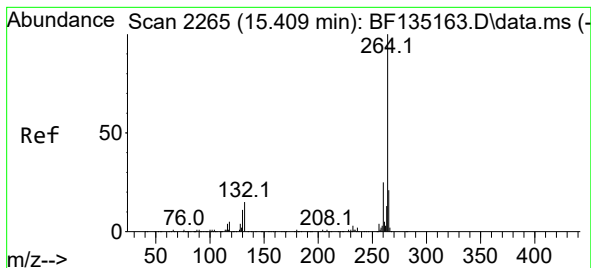
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#83
Chrysene
Concen: 2.278 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Tgt Ion:228 Resp: 31828
Ion Ratio Lower Upper
228 100
226 27.7 24.3 36.5
229 22.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.409 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

Instrument :

BNA_F

ClientSampleId :

MH110

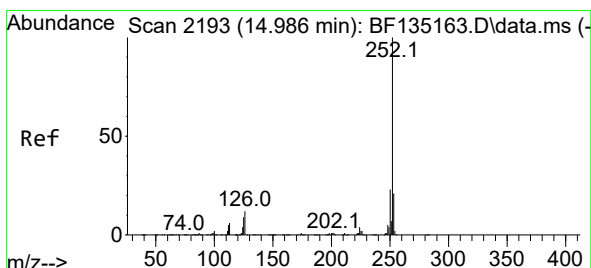
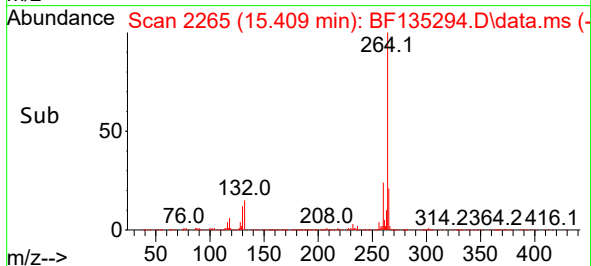
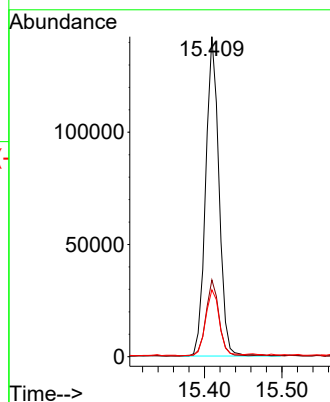
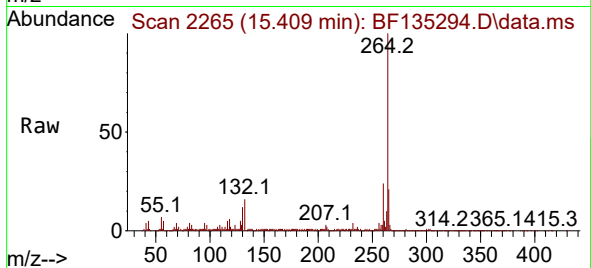
Tgt Ion:264 Resp: 169630
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.8 29.6
 265 20.9 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/18/2023

Supervised By :mohammad ahmed 09/19/2023



#88

Benzo(b)fluoranthene

Concen: 3.640 ng m

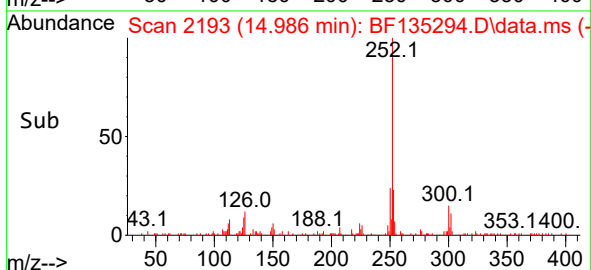
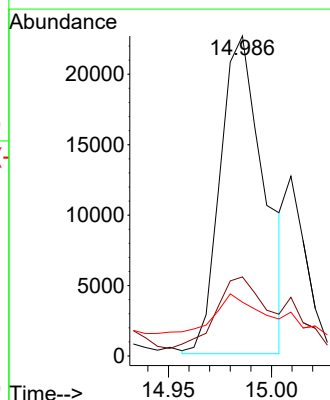
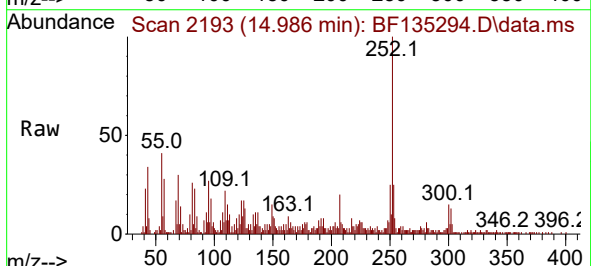
RT: 14.986 min Scan# 2193

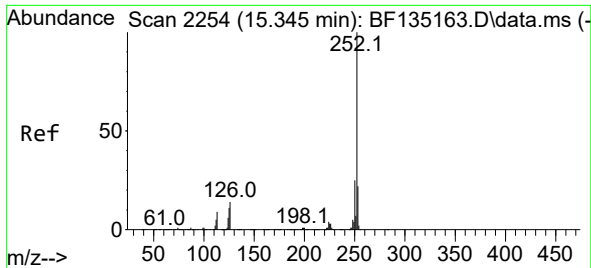
Delta R.T. 0.000 min

Lab File: BF135294.D

Acq: 15 Sep 2023 23:07

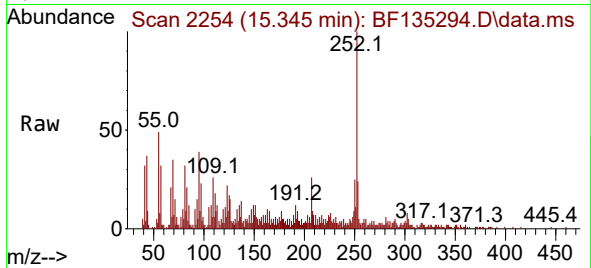
Tgt Ion:252 Resp: 33423
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.2 25.8
 125 16.8 7.1 10.7#





#90
Benzo(a)pyrene
Concen: 2.518 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135294.D
Acq: 15 Sep 2023 23:07

Instrument :
BNA_F
ClientSampleId :
MH110



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	16.9	9.2	13.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

