

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135824.D
 Acq On : 17 Oct 2023 21:32
 Operator : CG\JU
 Sample : 04878-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11995

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

Quant Time: Oct 18 02:02:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	77142	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	289707	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	140877	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	217959	20.000	ng	0.00
76) Chrysene-d12	13.939	240	176498	20.000	ng	-0.01
86) Perylene-d12	15.416	264	214174	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	506090	105.477	ng	0.00
7) Phenol-d6	6.393	99	623381	104.127	ng	0.00
23) Nitrobenzene-d5	7.304	82	337475	64.068	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	116964	86.523	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	631403	70.076	ng	-0.01
79) Terphenyl-d14	12.869	244	490686	51.485	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.298	178	265437	25.422	ng	99
72) Anthracene	11.351	178	30168m	2.788	ng	
73) Carbazole	11.522	167	33451	3.315	ng	# 94
75) Fluoranthene	12.498	202	651950	56.259	ng	98
78) Pyrene	12.727	202	513509	36.613	ng	100
81) Benzo(a)anthracene	13.927	228	303951	26.218	ng	99
83) Chrysene	13.963	228	335206	29.852	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	178452	15.292	ng	94
88) Benzo(b)fluoranthene	14.986	252	513572m	42.846	ng	
89) Benzo(k)fluoranthene	15.010	252	157051m	13.496	ng	
90) Benzo(a)pyrene	15.357	252	296927	26.343	ng	99
91) Dibenzo(a,h)anthracene	16.921	278	42261m	4.418	ng	
92) Benzo(g,h,i)perylene	17.380	276	160763	16.359	ng	97

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

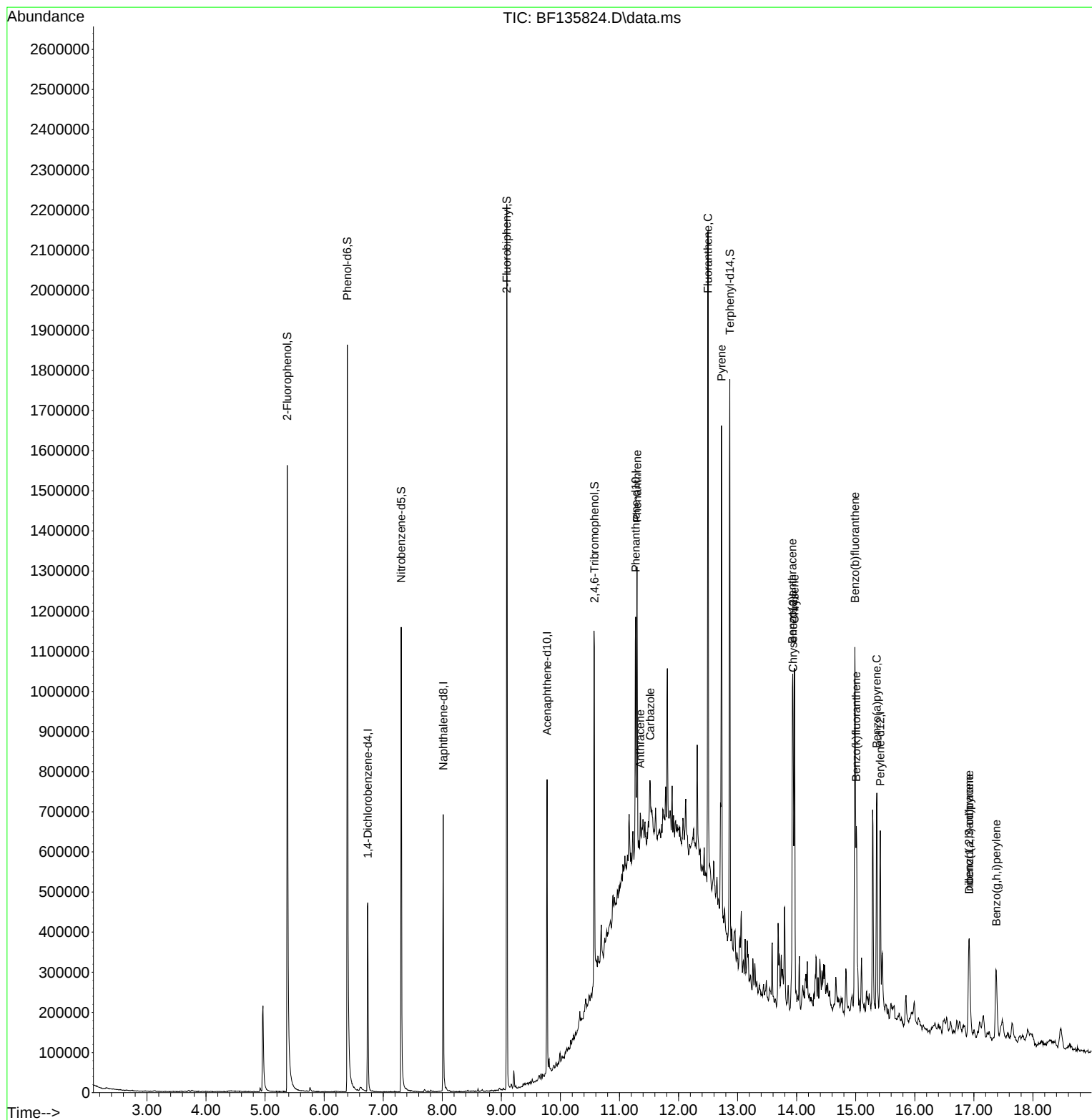
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
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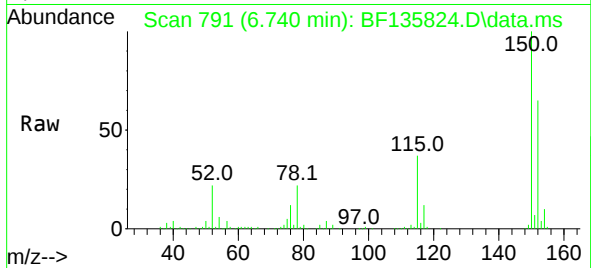
Quant Time: Oct 18 02:02:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

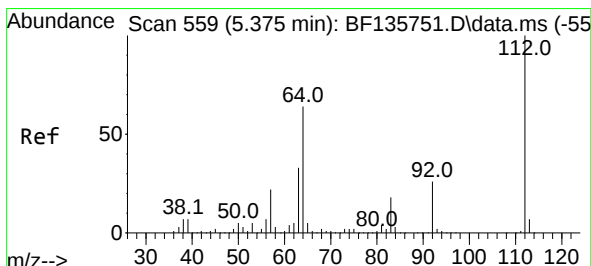
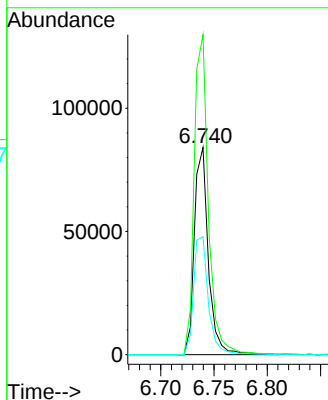
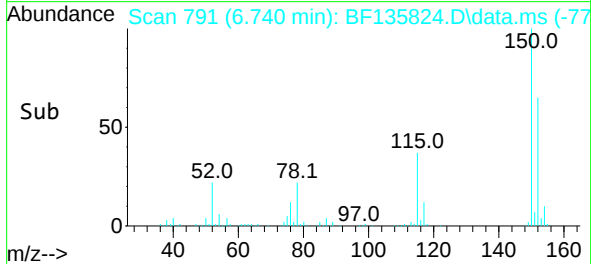
Instrument :
BNA_F
ClientSampleId :
72-11995



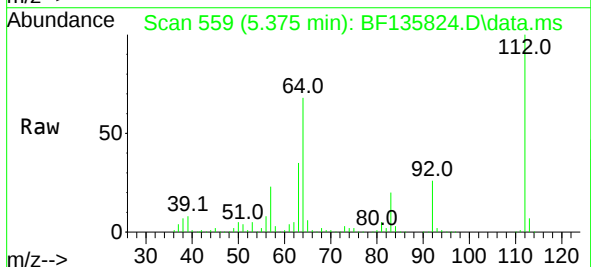
Tgt Ion:152 Resp: 7714
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 56.9 49.0 73.4

Manual Integrations
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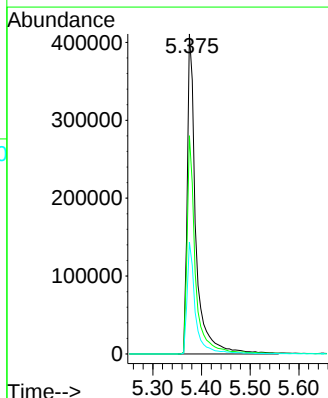
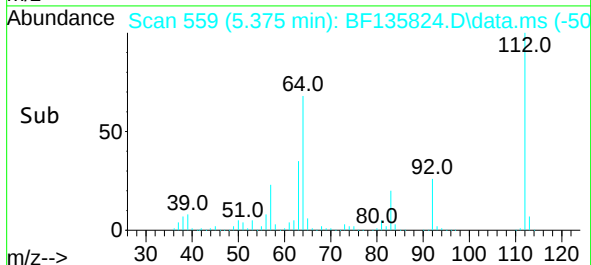
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

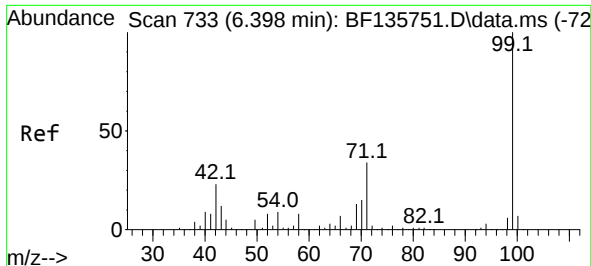


#5
2-Fluorophenol
Concen: 105.477 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32



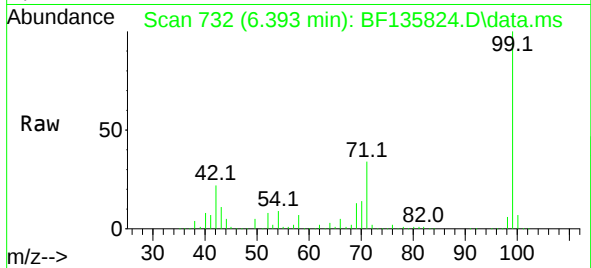
Tgt Ion:112 Resp: 506090
Ion Ratio Lower Upper
112 100
64 68.2 51.2 76.8
63 34.9 26.1 39.1





#7
Phenol-d6
Concen: 104.127 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

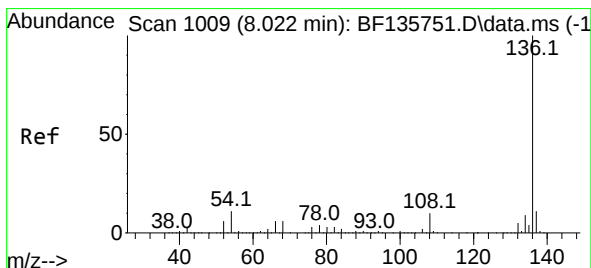
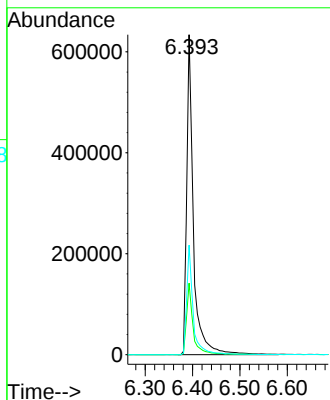
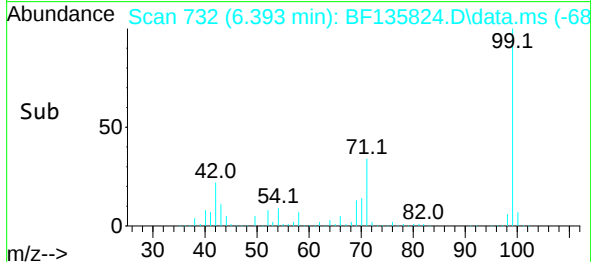
Instrument :
BNA_F
ClientSampleId :
72-11995



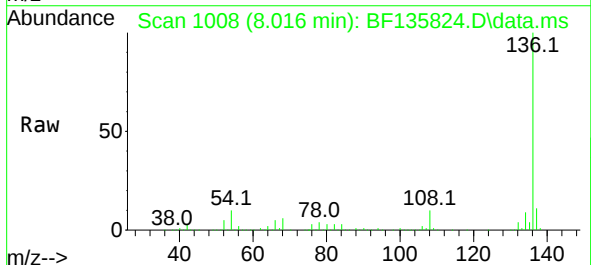
Tgt Ion: 99 Resp: 62338
Ion Ratio Lower Upper
99 100
42 22.4 18.4 27.6
71 34.2 27.2 40.8

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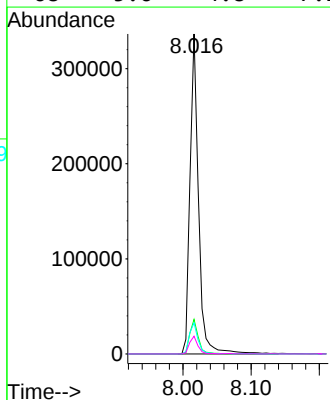
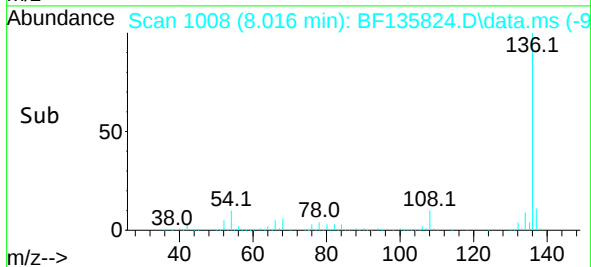
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

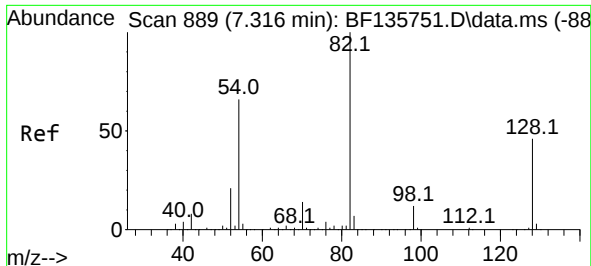


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32



Tgt Ion:136 Resp: 289707
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.7 8.5 12.7
68 5.6 4.8 7.2





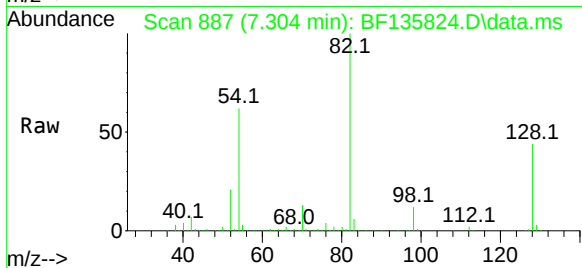
#23
Nitrobenzene-d5
Concen: 64.068 ng
RT: 7.304 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

Instrument :

BNA_F

ClientSampleId :

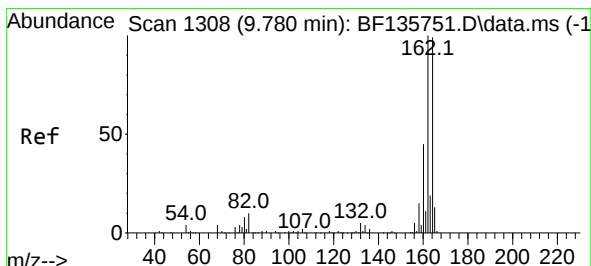
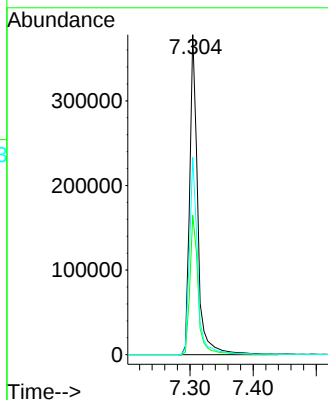
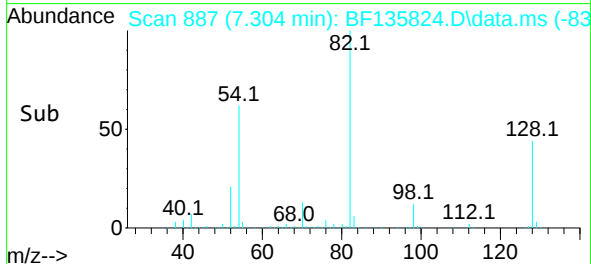
72-11995



Tgt Ion: 82 Resp: 337475
Ion Ratio Lower Upper
82 100
128 43.6 37.0 55.6
54 61.7 52.8 79.2

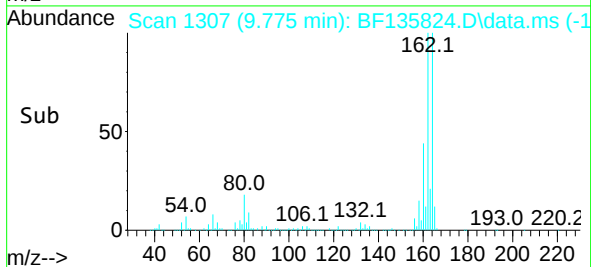
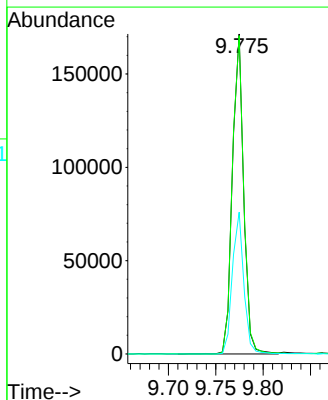
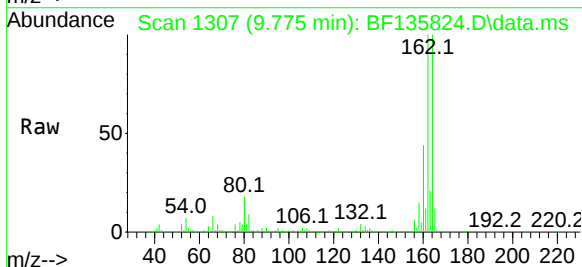
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

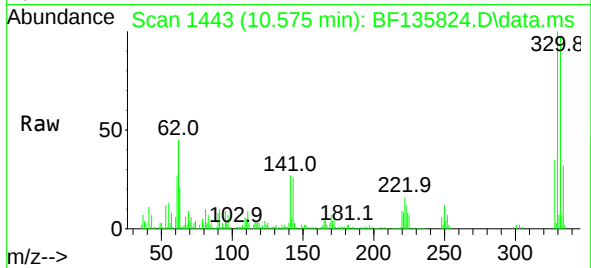
Tgt Ion:164 Resp: 140877
Ion Ratio Lower Upper
164 100
162 99.5 80.8 121.2
160 44.3 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 86.523 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

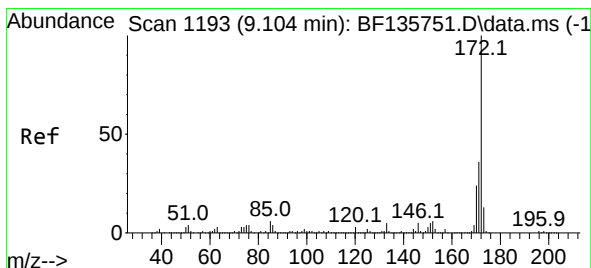
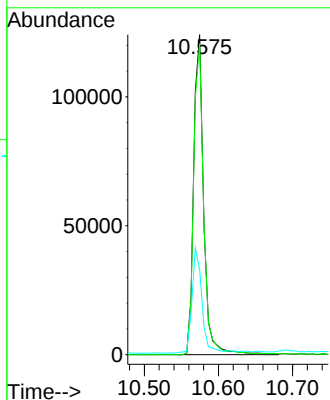
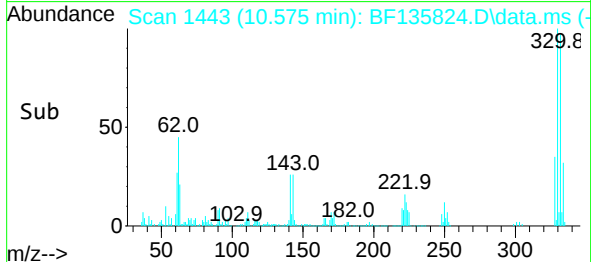
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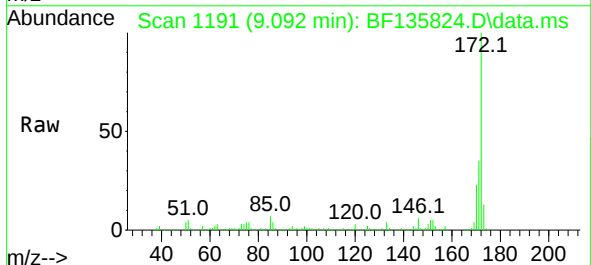
Tgt Ion:330 Resp: 116964
Ion Ratio Lower Upper
330 100
332 97.7 75.0 112.4
141 33.5 25.8 38.6

Manual Integrations
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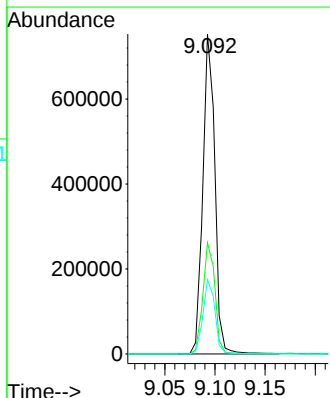
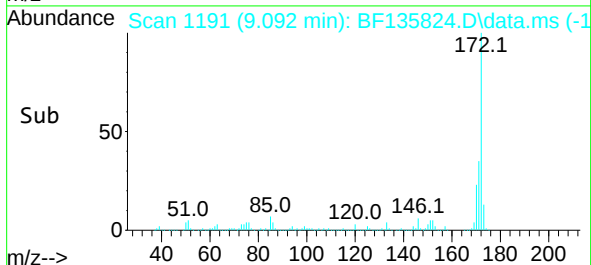
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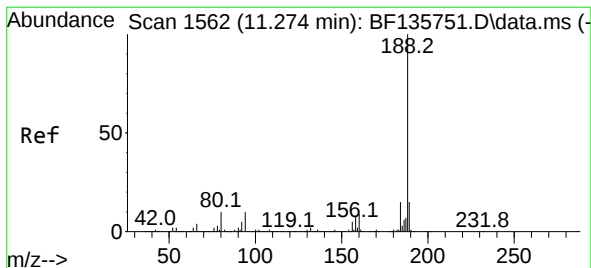


#45
2-Fluorobiphenyl
Concen: 70.076 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32



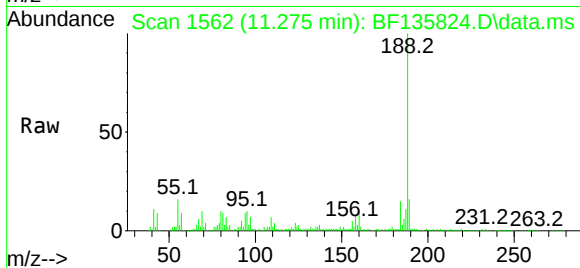
Tgt Ion:172 Resp: 631403
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.2 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

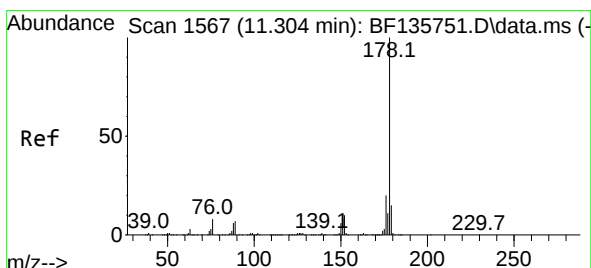
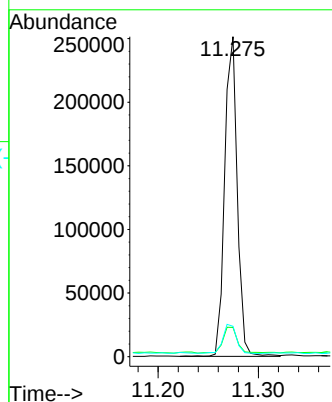
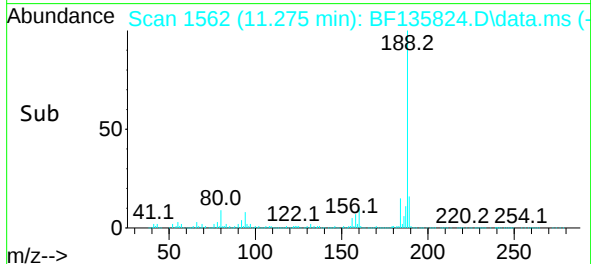
Instrument :
BNA_F
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72-11995



Tgt Ion:188 Resp: 217959
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 9.5 8.3 12.5

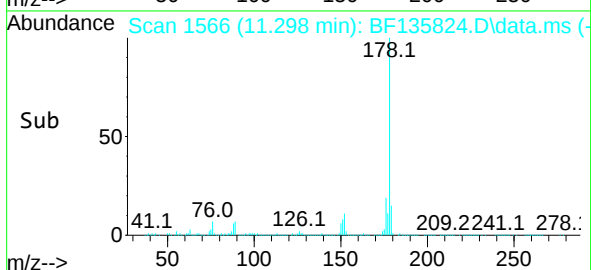
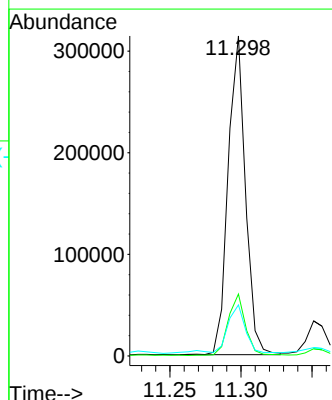
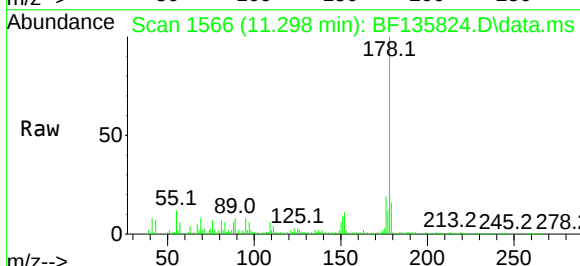
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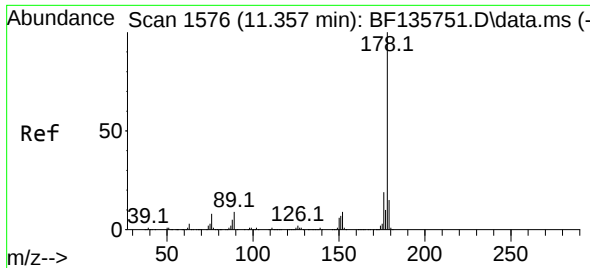
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#71
Phenanthrene
Concen: 25.422 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

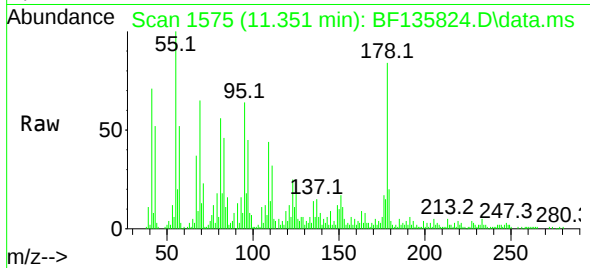
Tgt Ion:178 Resp: 265437
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.9 12.2 18.4





#72
 Anthracene
 Concen: 2.788 ng m
 RT: 11.351 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135824.D
 Acq: 17 Oct 2023 21:32

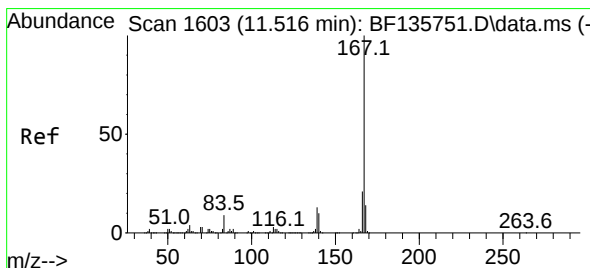
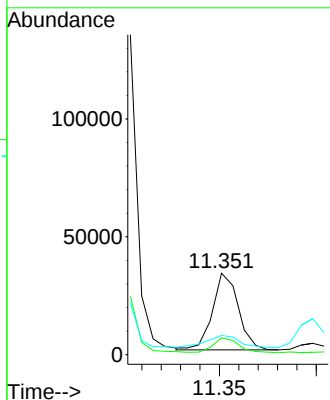
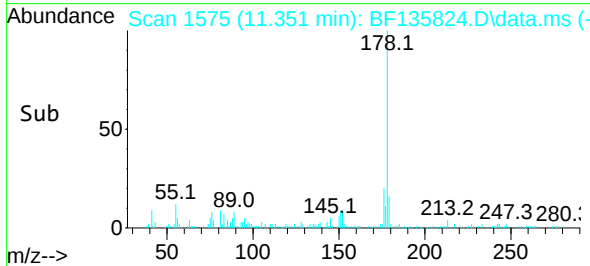
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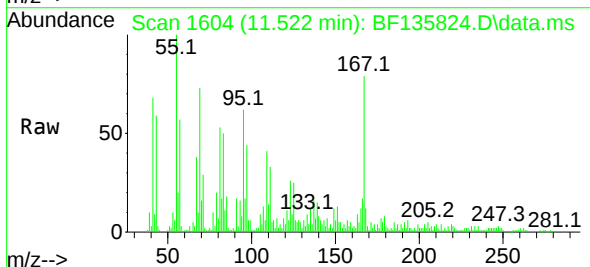
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 Ion Ratio Lower Upper
 178 100
 176 20.6 15.1 22.7
 179 23.6 12.3 18.5

Manual Integrations
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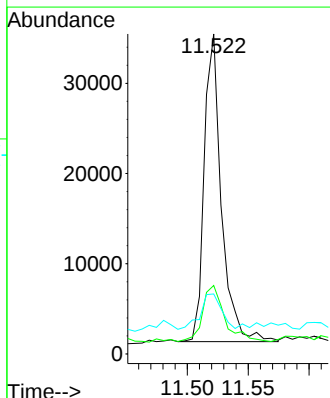
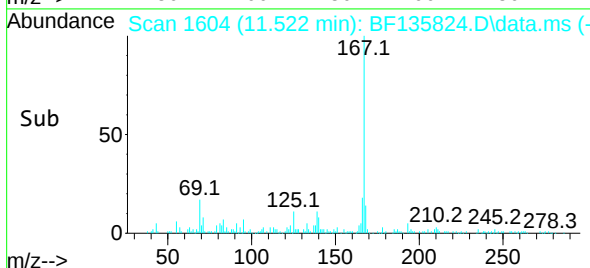
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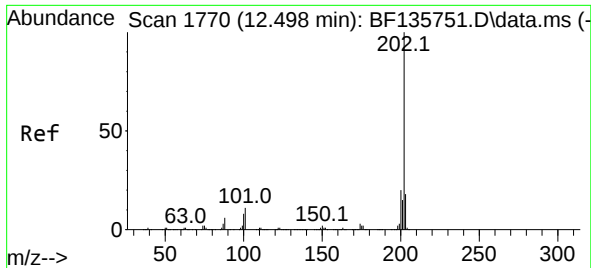


#73
 Carbazole
 Concen: 3.315 ng
 RT: 11.522 min Scan# 1604
 Delta R.T. 0.000 min
 Lab File: BF135824.D
 Acq: 17 Oct 2023 21:32



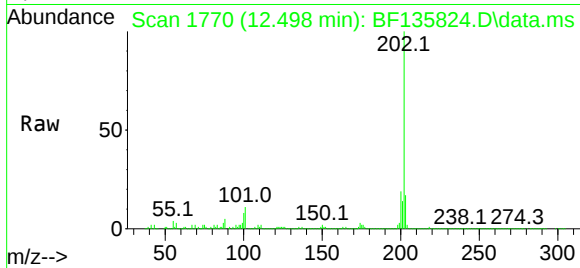
Tgt Ion:167 Resp: 33451
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.1 25.7
 139 18.7 10.2 15.4





#75
Fluoranthene
Concen: 56.259 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

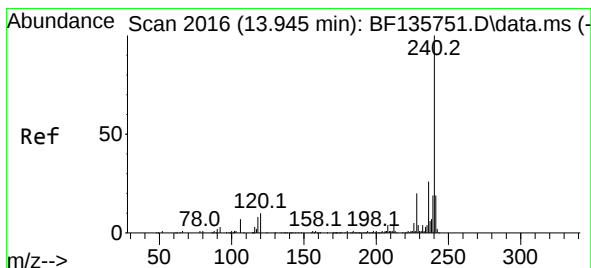
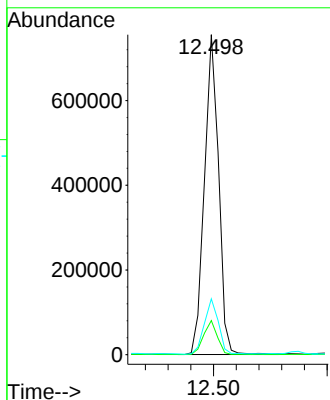
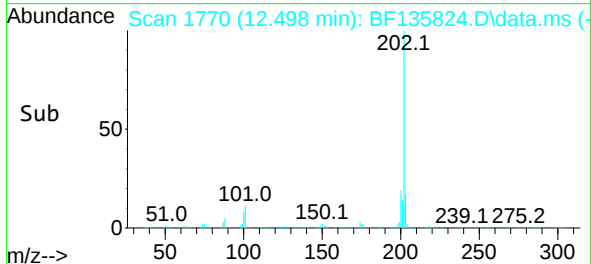
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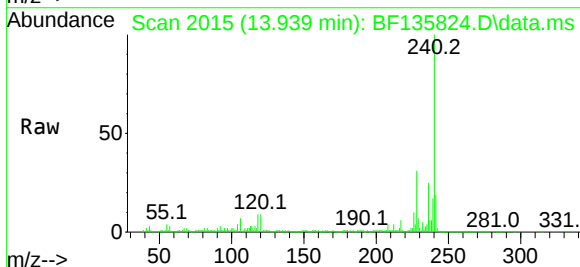
Tgt Ion:202 Resp: 651950
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.5
203 17.5 0.0 38.3

Manual Integrations
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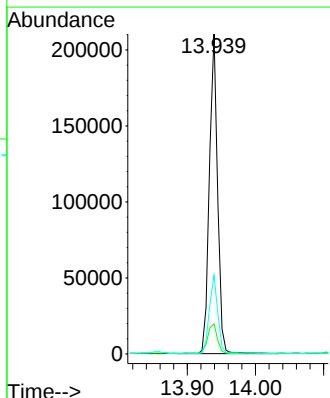
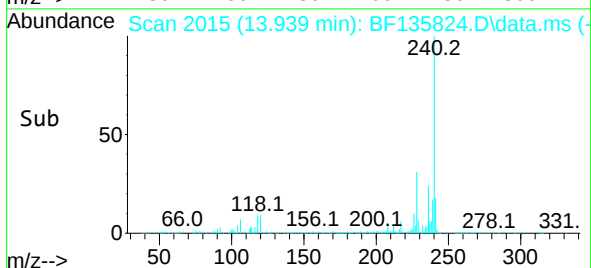
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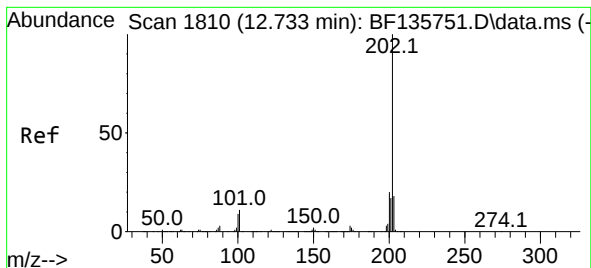


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32



Tgt Ion:240 Resp: 176498
Ion Ratio Lower Upper
240 100
120 9.4 8.2 12.2
236 24.6 21.2 31.8





#78

Pyrene

Concen: 36.613 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

Instrument :

BNA_F

ClientSampleId :

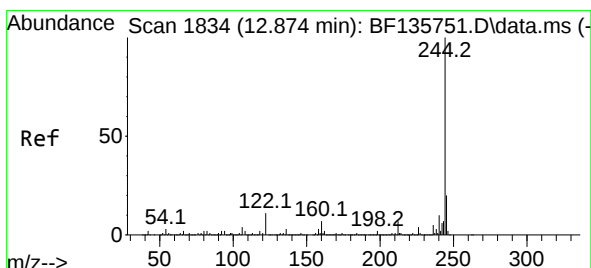
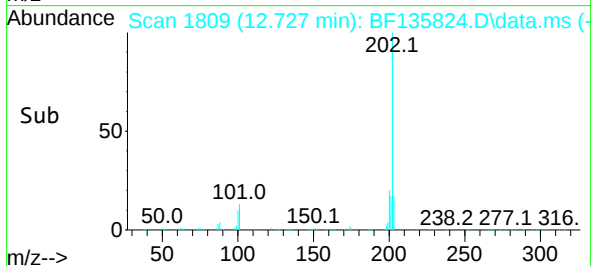
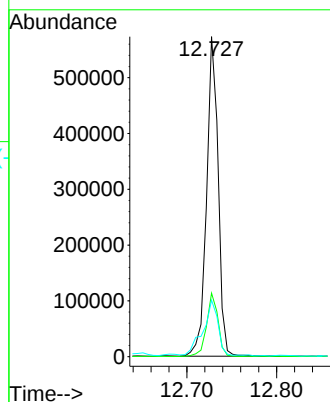
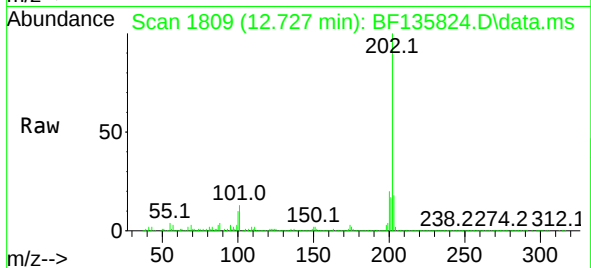
72-11995

Tgt Ion:202 Resp: 513509
 Ion Ratio Lower Upper
 202 100
 200 19.8 16.1 24.1
 203 17.7 14.2 21.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023



#79

Terphenyl-d14

Concen: 51.485 ng

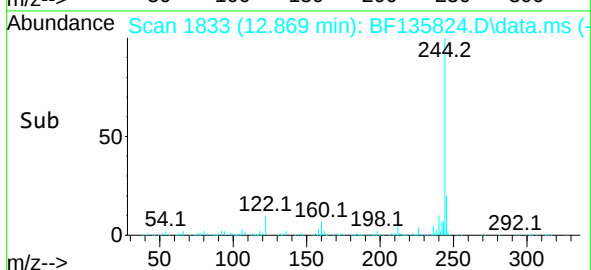
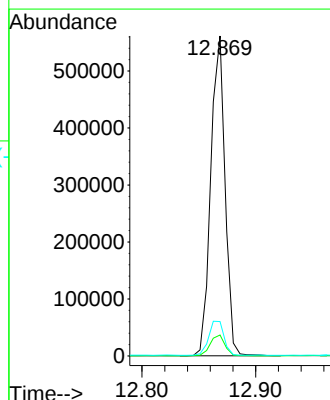
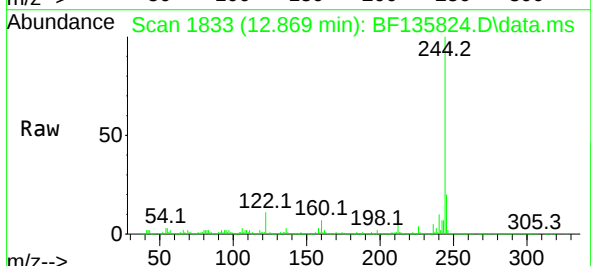
RT: 12.869 min Scan# 1833

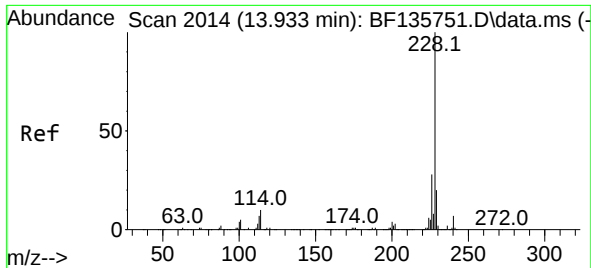
Delta R.T. -0.012 min

Lab File: BF135824.D

Acq: 17 Oct 2023 21:32

Tgt Ion:244 Resp: 490686
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.7 9.0 13.6





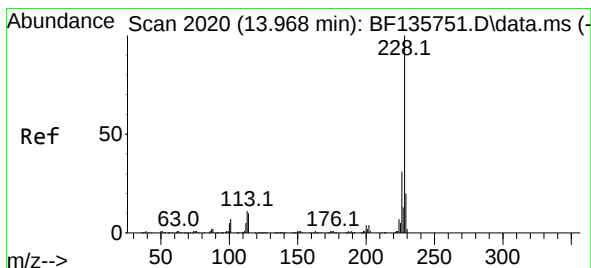
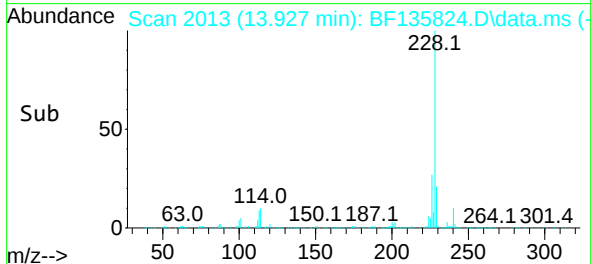
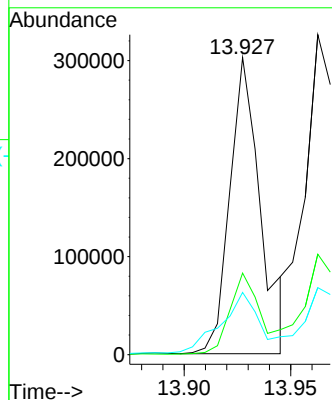
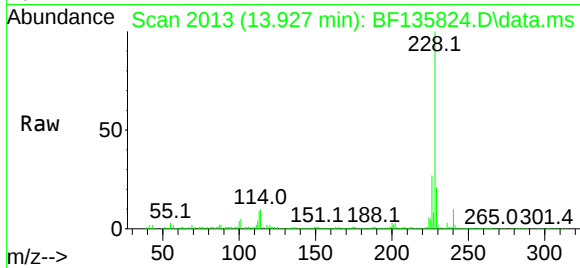
#81
Benzo(a)anthracene
Concen: 26.218 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

Instrument :
BNA_F
ClientSampleId :
72-11995

Tgt Ion:228 Resp: 30395
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.2
229 20.9 16.1 24.1

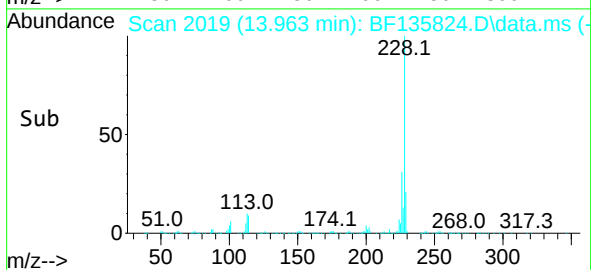
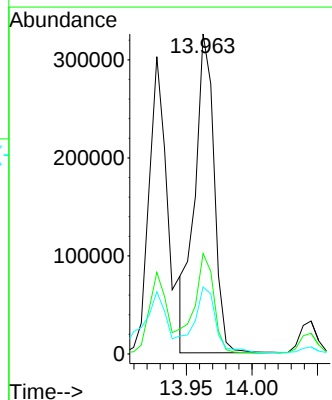
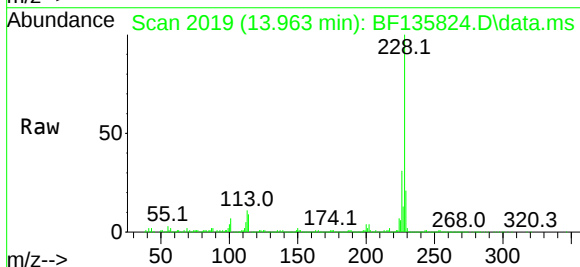
Manual Integrations
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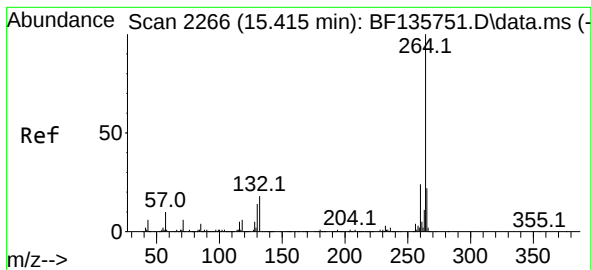
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#83
Chrysene
Concen: 29.852 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

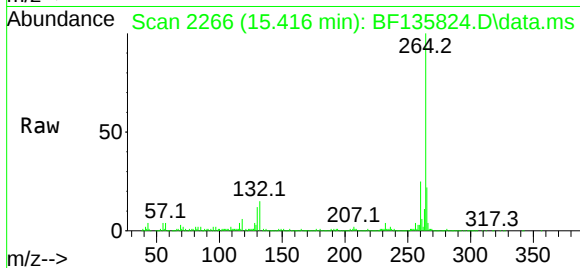
Tgt Ion:228 Resp: 335206
Ion Ratio Lower Upper
228 100
226 31.4 24.4 36.6
229 21.0 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

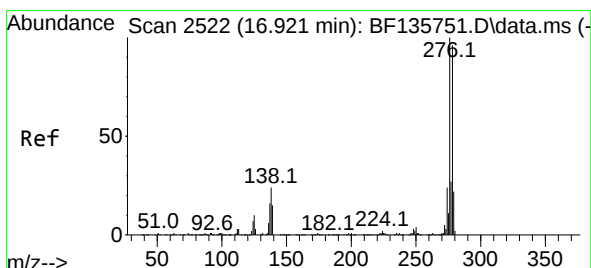
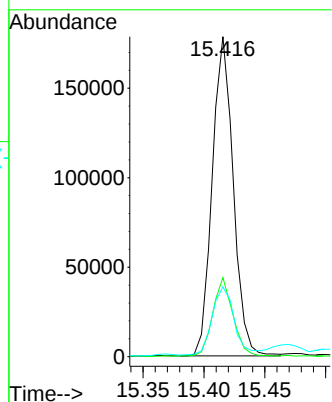
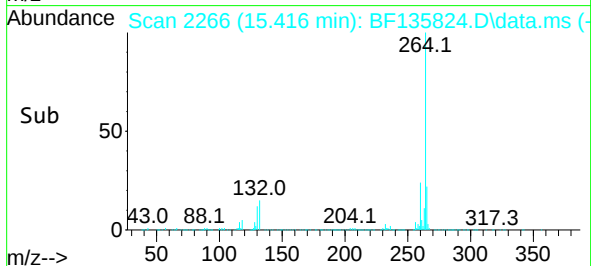
Instrument :
BNA_F
ClientSampleId :
72-11995



Tgt Ion:264 Resp: 214174
Ion Ratio Lower Upper
264 100
260 24.7 19.2 28.8
265 21.8 17.4 26.2

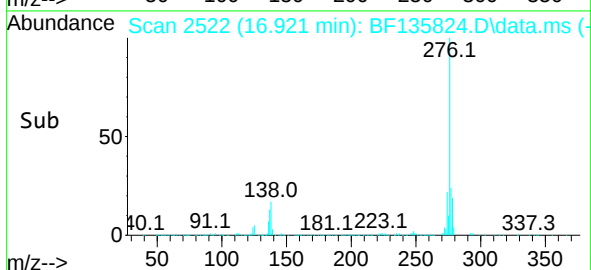
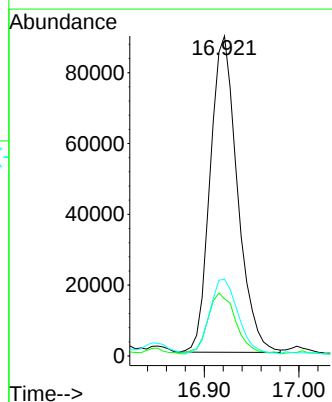
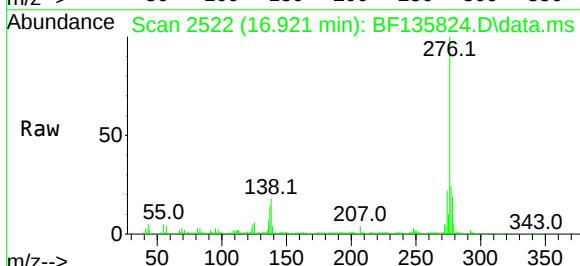
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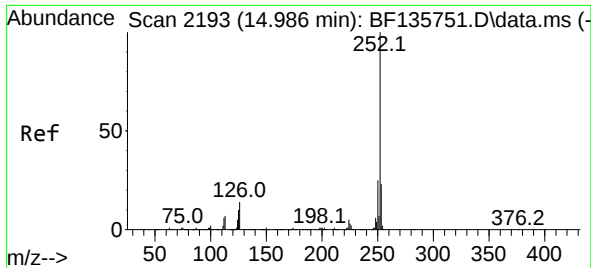
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 15.292 ng
RT: 16.921 min Scan# 2522
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

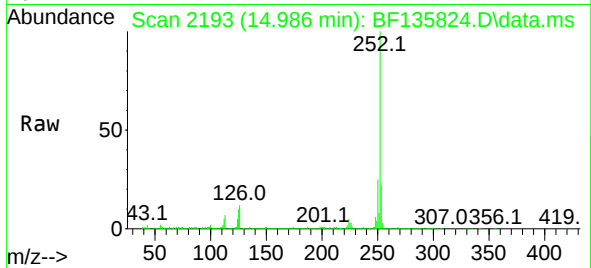
Tgt Ion:276 Resp: 178452
Ion Ratio Lower Upper
276 100
138 19.8 19.8 29.6
277 24.3 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 42.846 ng m
RT: 14.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

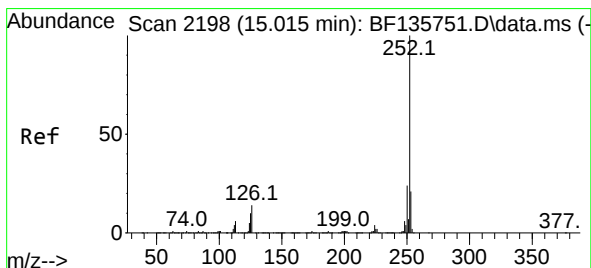
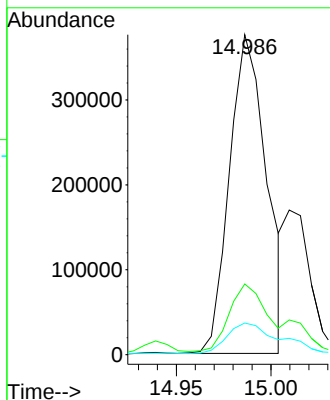
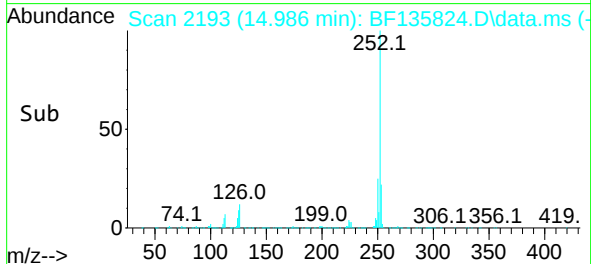
Instrument :
BNA_F
ClientSampleId :
72-11995



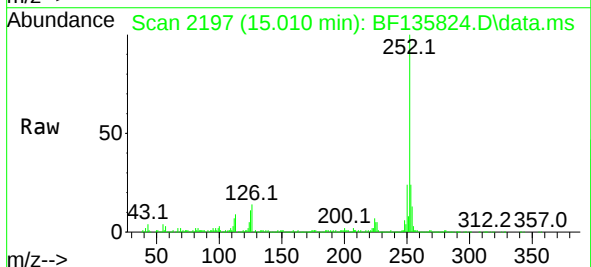
Tgt Ion:252 Resp: 513572
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 9.9 8.2 12.2

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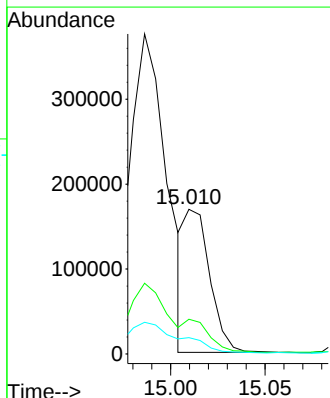
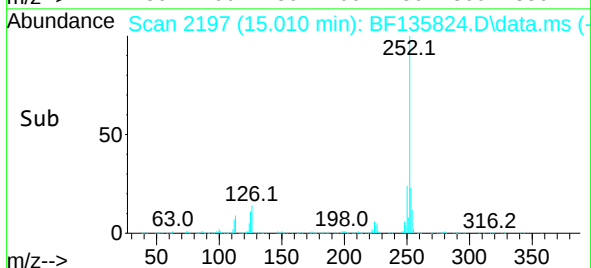
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

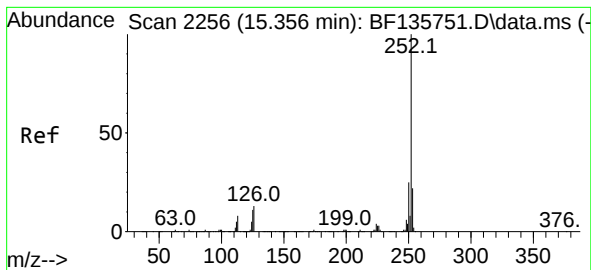


#89
Benzo(k)fluoranthene
Concen: 13.496 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32



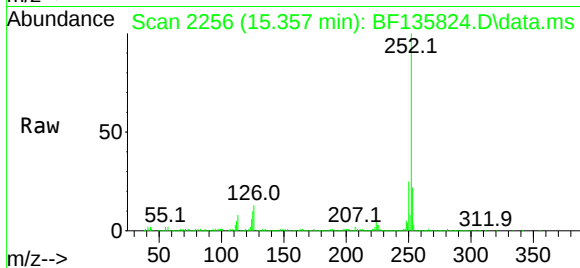
Tgt Ion:252 Resp: 157051
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 11.3 8.3 12.5





#90
Benzo(a)pyrene
Concen: 26.343 ng
RT: 15.357 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

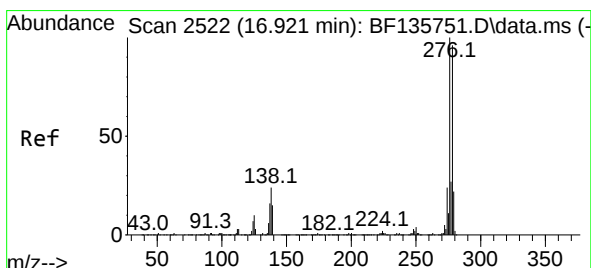
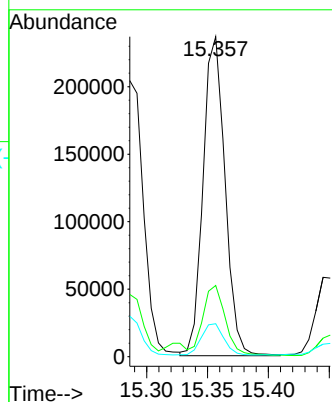
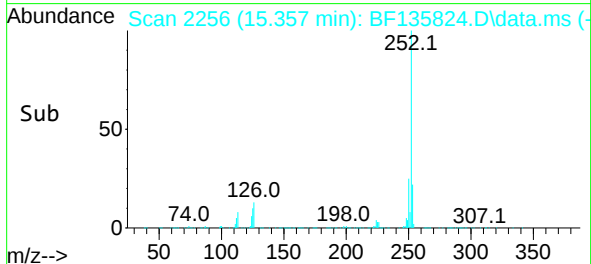
Instrument :
BNA_F
ClientSampleId :
72-11995



Tgt Ion:252 Resp: 296927
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 10.3 8.8 13.2

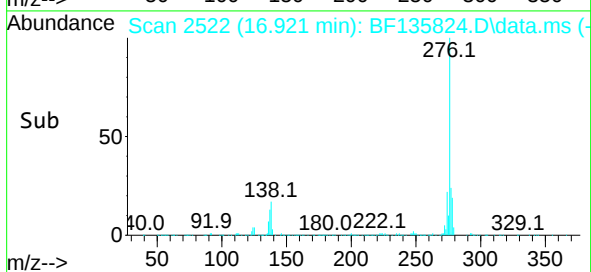
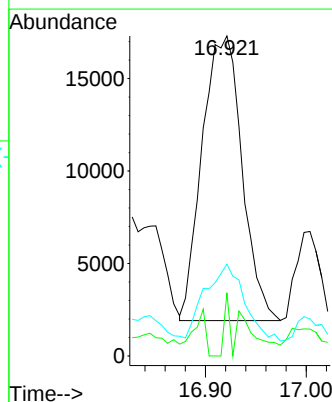
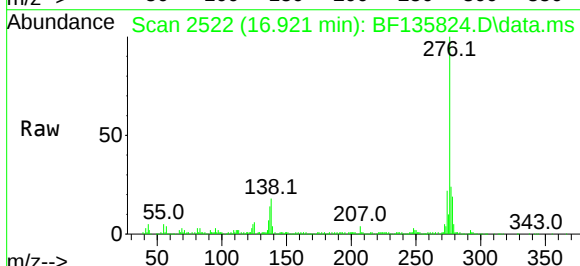
Manual Integrations
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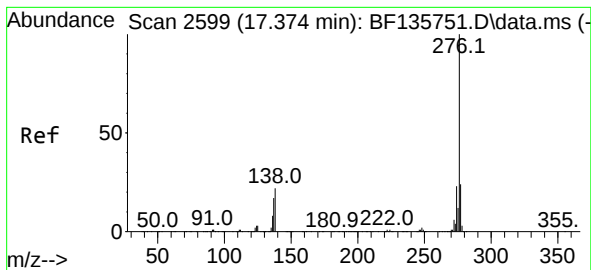
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#91
Dibenzo(a,h)anthracene
Concen: 4.418 ng m
RT: 16.921 min Scan# 2522
Delta R.T. -0.018 min
Lab File: BF135824.D
Acq: 17 Oct 2023 21:32

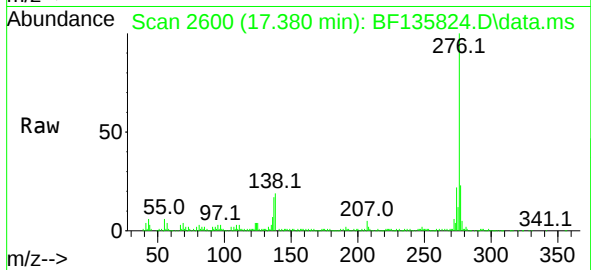
Tgt Ion:278 Resp: 42261
Ion Ratio Lower Upper
278 100
139 19.8 12.5 18.7#
279 28.7 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 16.359 ng
 RT: 17.380 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF135824.D
 Acq: 17 Oct 2023 21:32

Instrument :
 BNA_F
 ClientSampleId :
 72-11995



Tgt Ion: 276 Resp: 16076

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.4	29.2
138	19.3	17.3	25.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

