

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
 Data File : BF135109.D
 Acq On : 05 Sep 2023 23:32
 Operator : CG\JU
 Sample : 04265-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-083123

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/06/2023
 Supervised By :mohammad ahmed 09/07/2023

Quant Time: Sep 06 01:59:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	98297	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	387731	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	169657	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	260162	20.000	ng	0.00
76) Chrysene-d12	13.957	240	175180	20.000	ng	0.00
86) Perylene-d12	15.427	264	156078	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	553596	86.991	ng	0.00
7) Phenol-d6	6.410	99	665671	83.921	ng	0.00
23) Nitrobenzene-d5	7.334	82	415926	60.266	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	128534	71.419	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	711196	68.250	ng	-0.01
79) Terphenyl-d14	12.898	244	578438	53.885	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.863	142	25492	2.156	ng	99
52) Acenaphthene	9.839	154	58209	6.199	ng	99
55) Dibenzofuran	10.016	168	37750	2.787	ng	95
58) Fluorene	10.357	166	68009	6.586	ng	97
71) Phenanthrene	11.327	178	489071	36.438	ng	99
72) Anthracene	11.374	178	131698	9.604	ng	99
73) Carbazole	11.533	167	33140	2.802	ng	# 92
75) Fluoranthene	12.521	202	546915	40.303	ng	100
78) Pyrene	12.751	202	479646	28.838	ng	100
81) Benzo(a)anthracene	13.945	228	240231	20.104	ng	96
83) Chrysene	13.986	228	213313	18.164	ng	98
88) Benzo(b)fluoranthene	15.004	252	203937m	21.000	ng	
89) Benzo(k)fluoranthene	15.027	252	77388m	8.248	ng	
90) Benzo(a)pyrene	15.362	252	149852	16.610	ng	98
91) Dibenzo(a,h)anthracene	16.921	278	19979	2.346	ng	# 83
92) Benzo(g,h,i)perylene	17.356	276	73397	8.288	ng	96

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

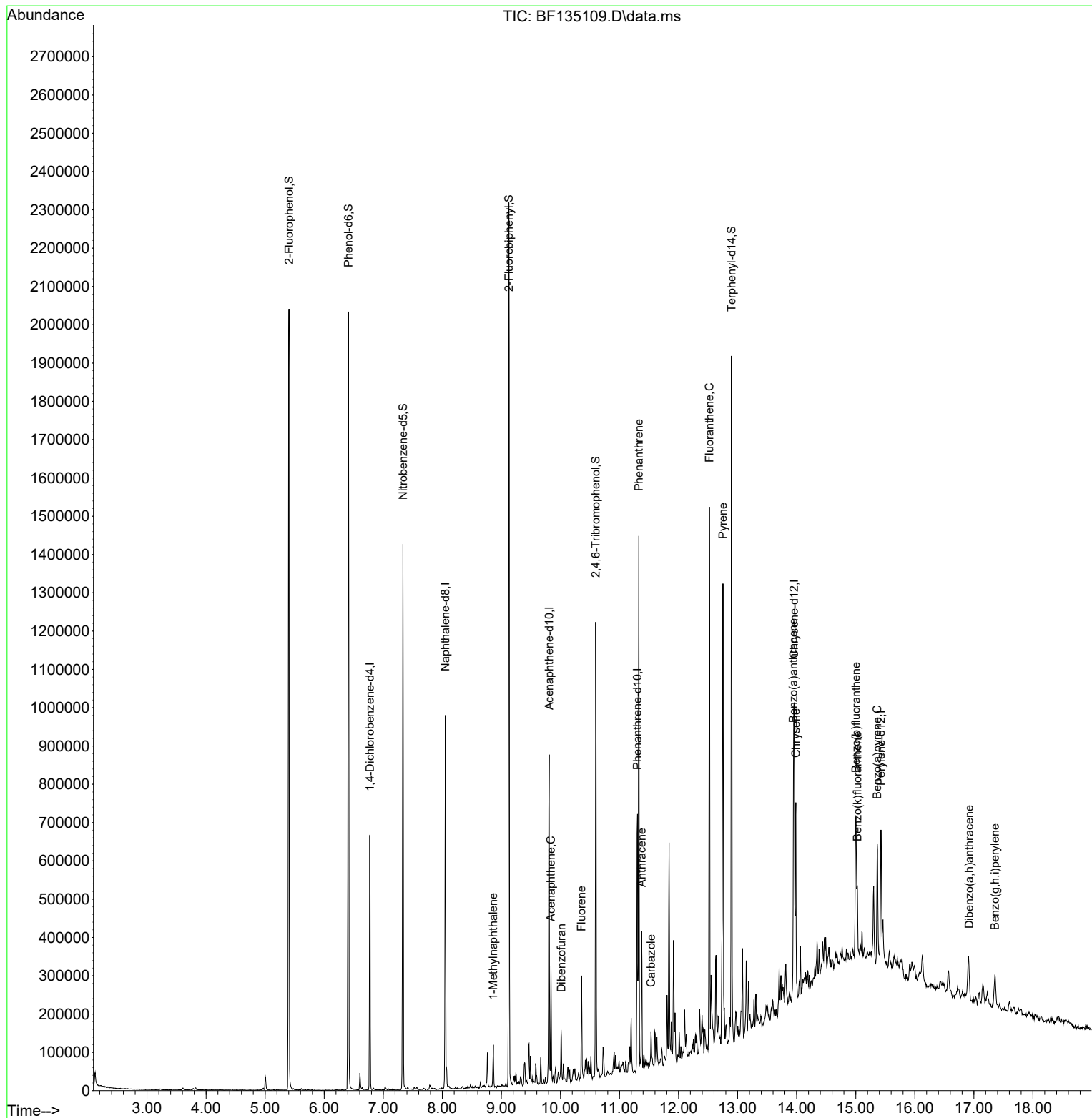
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135109.D
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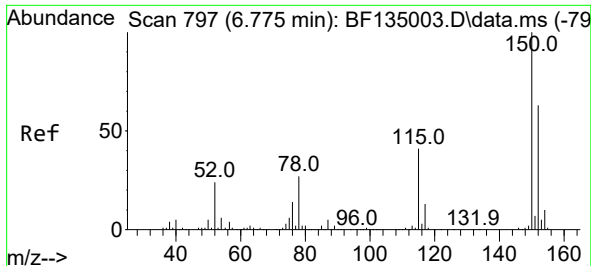
Instrument :
BNA_F
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OR-3-083123

Quant Time: Sep 06 01:59:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
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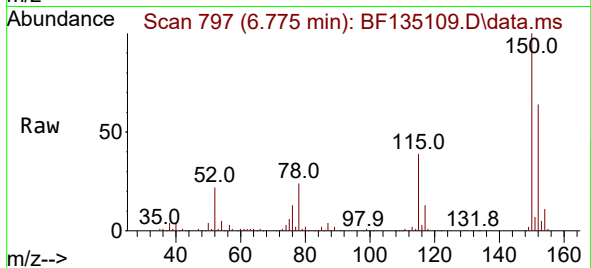
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.775 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

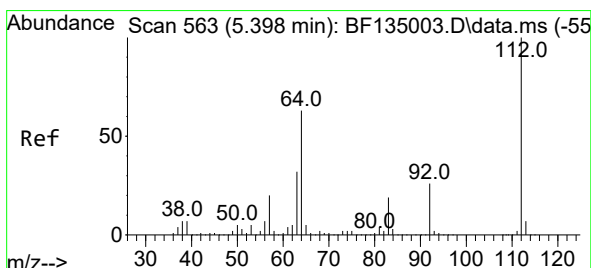
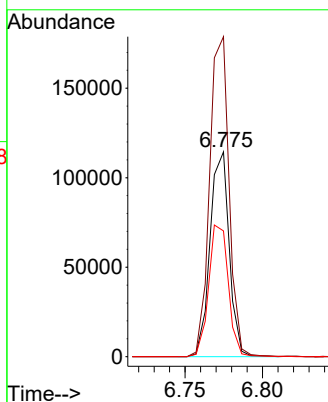
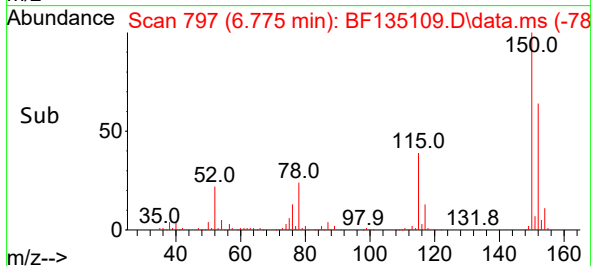


Tgt Ion:152 Resp: 98297
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.4
115 61.4 51.2 76.8

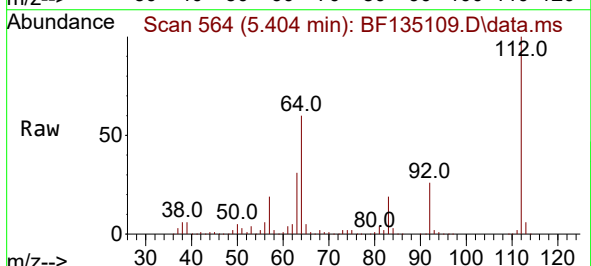
Manual Integrations

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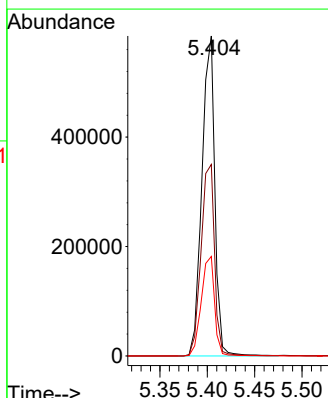
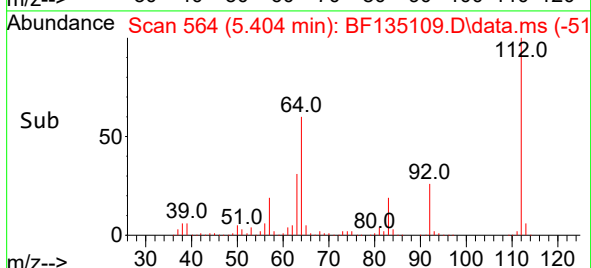
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

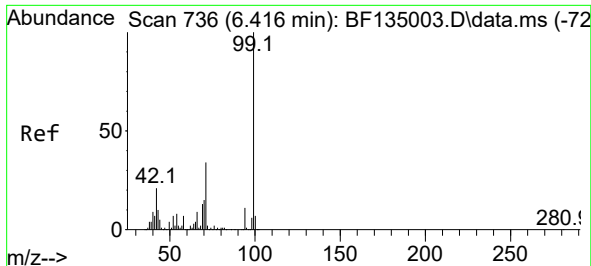


#5
2-Fluorophenol
Concen: 86.991 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32



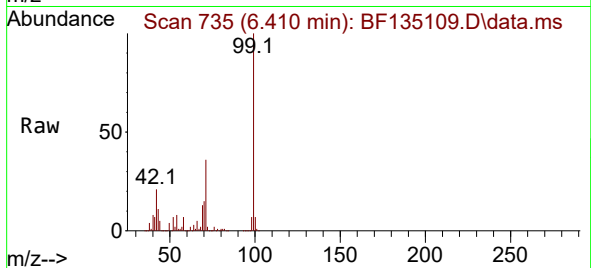
Tgt Ion:112 Resp: 553596
Ion Ratio Lower Upper
112 100
64 59.9 50.5 75.7
63 31.1 25.9 38.9





#7
Phenol-d6
Concen: 83.921 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

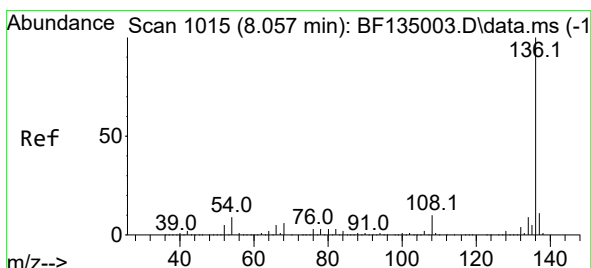
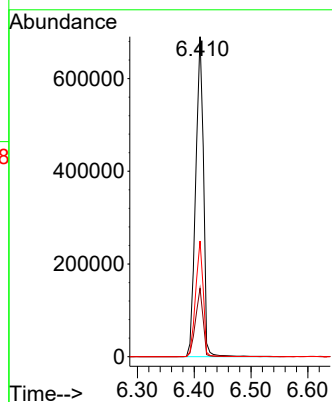
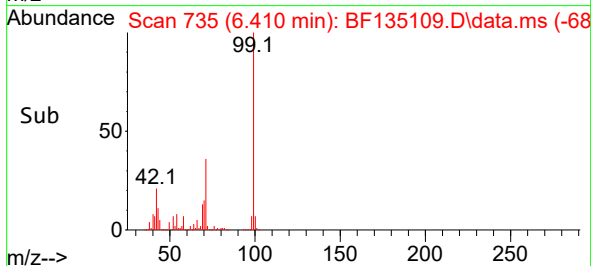
Instrument :
BNA_F
ClientSampleId :
OR-3-083123



Tgt Ion: 99 Resp: 66567
Ion Ratio Lower Upper
99 100
42 21.4 16.6 25.0
71 36.1 27.0 40.6

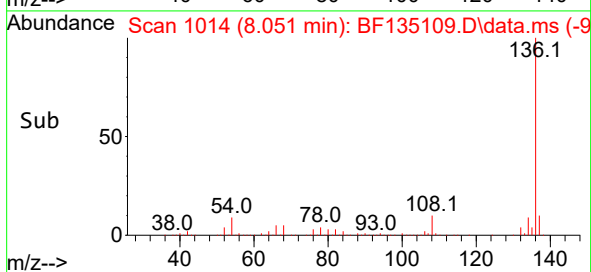
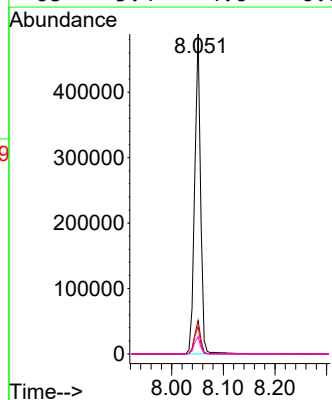
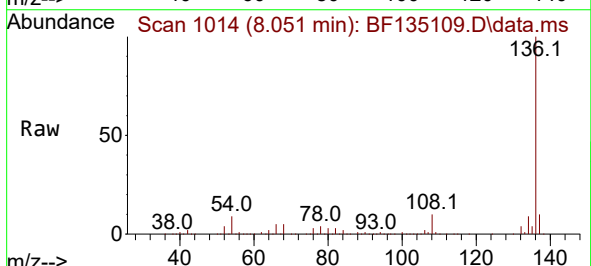
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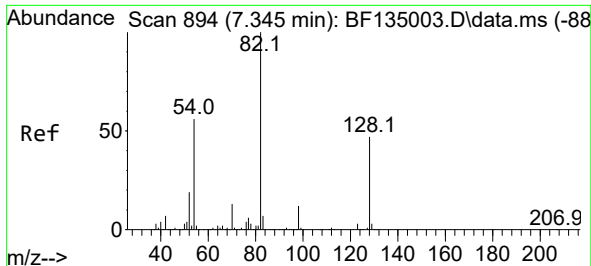
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion:136 Resp: 387731
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.5 7.0 10.4
68 5.4 4.6 6.8





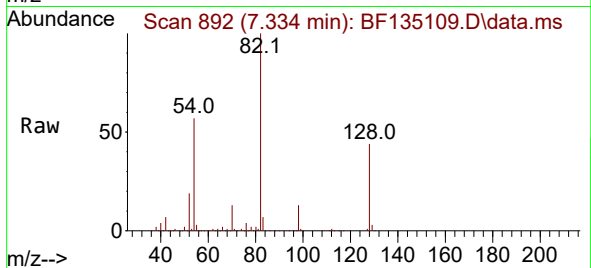
#23
Nitrobenzene-d5
Concen: 60.266 ng
RT: 7.334 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

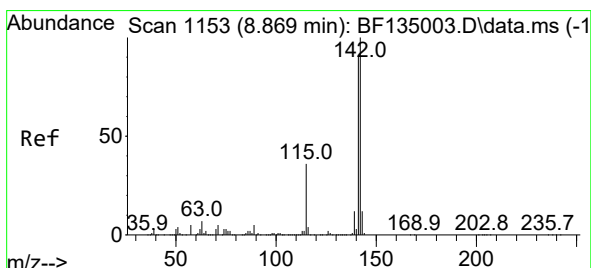
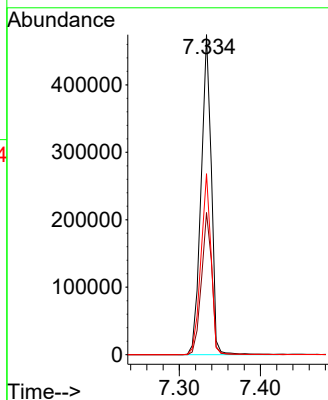
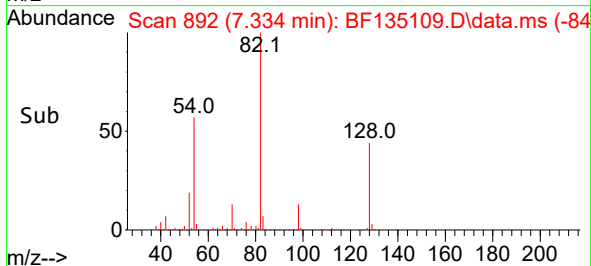
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Tgt Ion: 82 Resp: 415920
Ion Ratio Lower Upper
82 100
128 44.4 37.8 56.8
54 56.6 45.0 67.6

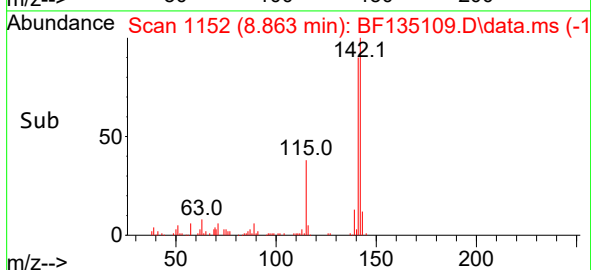
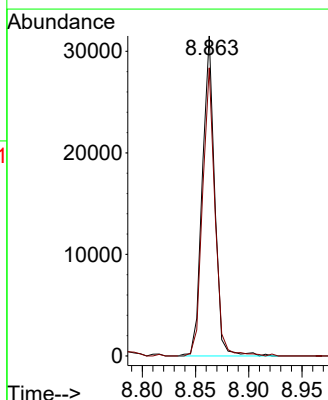
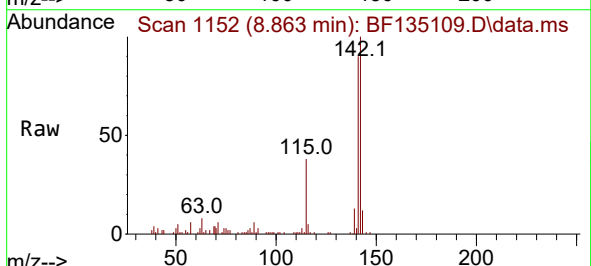
Manual Integrations
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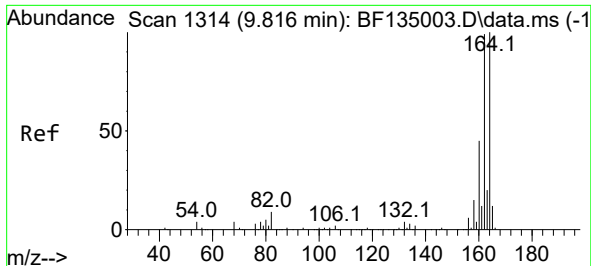
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#38
1-Methylnaphthalene
Concen: 2.156 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion:142 Resp: 25492
Ion Ratio Lower Upper
142 100
141 90.1 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135109.D

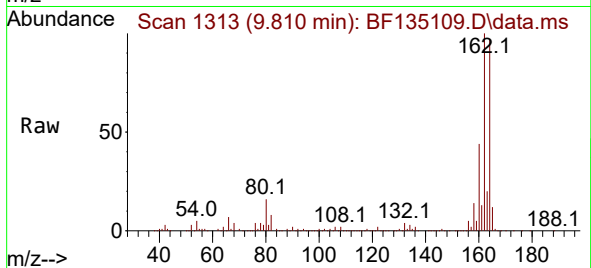
Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123



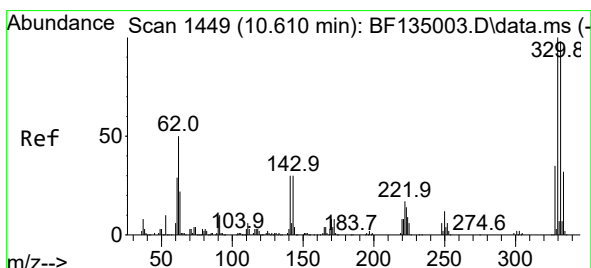
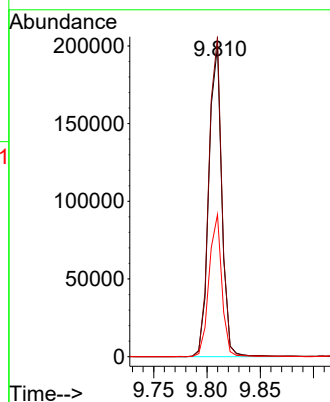
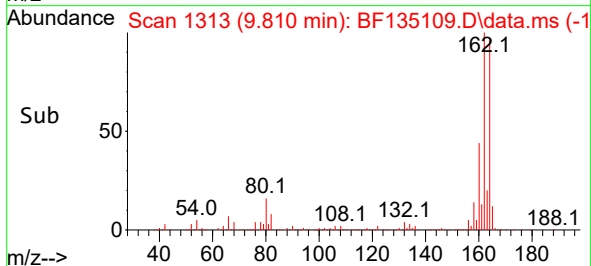
Tgt Ion:	164	Resp:	16965
Ion Ratio	Lower	Upper	
164	100		
162	103.0	79.5	119.3
160	45.7	36.0	54.0

Manual Integrations

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Supervised By :mohammad ahmed 09/07/2023



#42

2,4,6-Tribromophenol

Concen: 71.419 ng

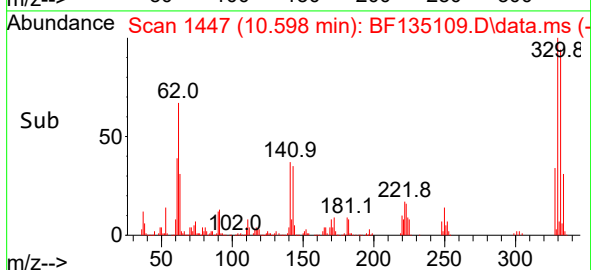
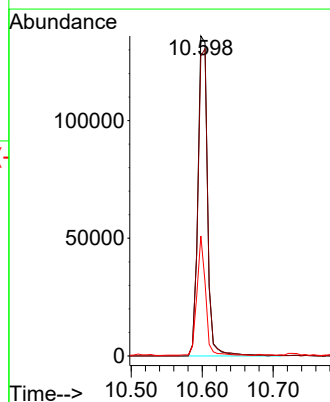
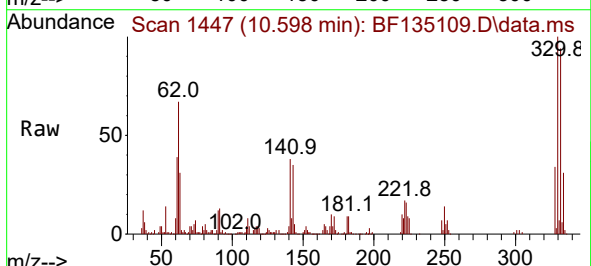
RT: 10.598 min Scan# 1447

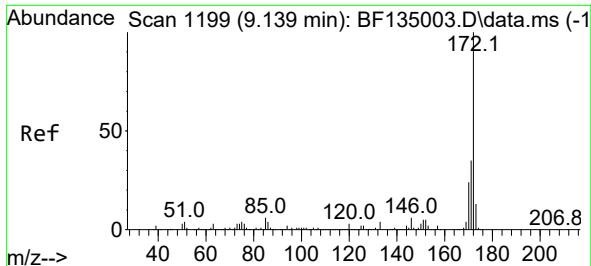
Delta R.T. -0.012 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

Tgt Ion:	330	Resp:	128534
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.6	116.4
141	33.2	26.3	39.5





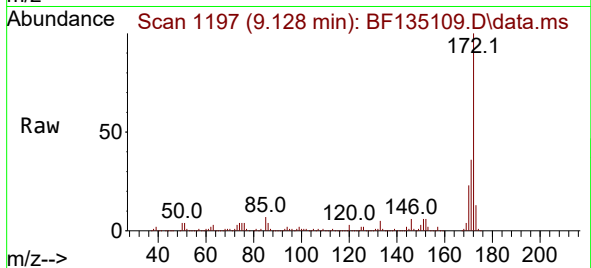
#45
2-Fluorobiphenyl
Concen: 68.250 ng
RT: 9.128 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

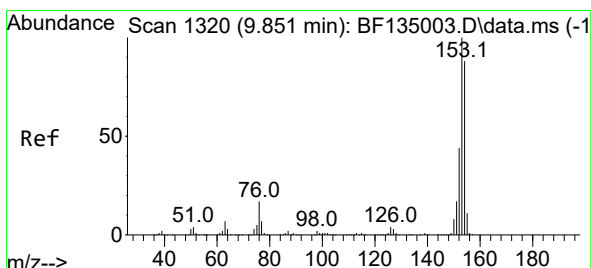
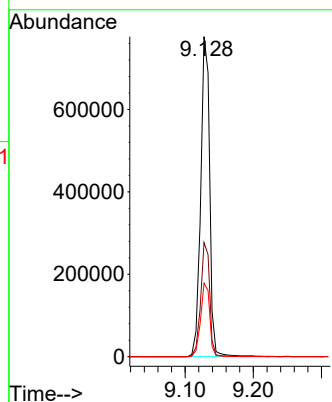
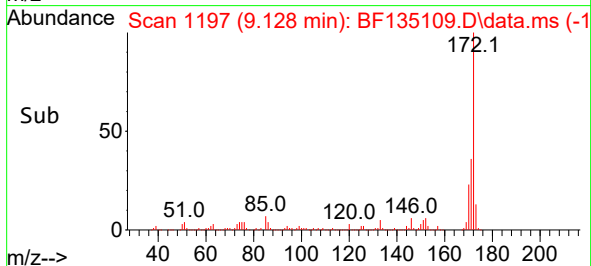


Tgt Ion:172 Resp: 711190
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.0 19.0 28.4

Manual Integrations

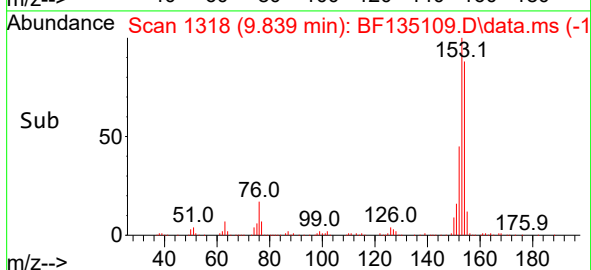
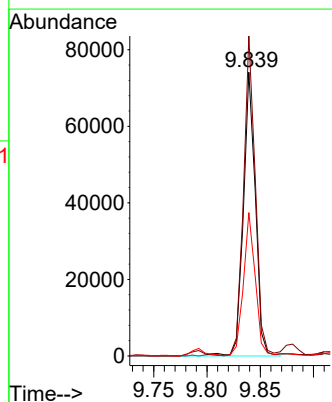
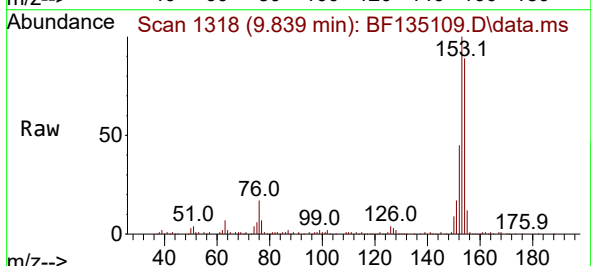
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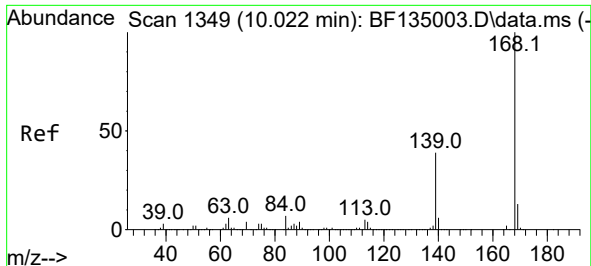
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#52
Acenaphthene
Concen: 6.199 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.012 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

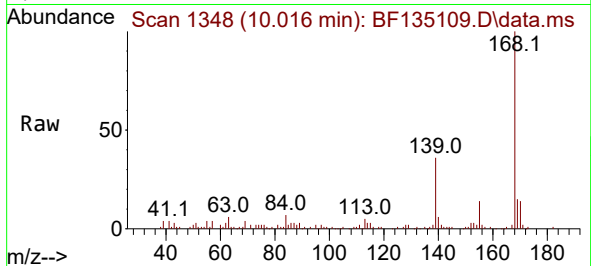
Tgt Ion:154 Resp: 58209
Ion Ratio Lower Upper
154 100
153 112.8 90.8 136.2
152 50.5 40.2 60.4





#55
Dibenzofuran
Concen: 2.787 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

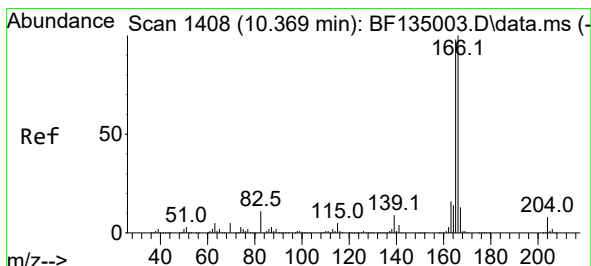
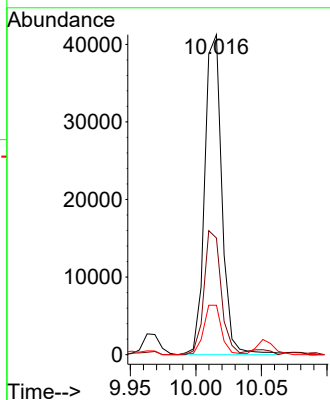
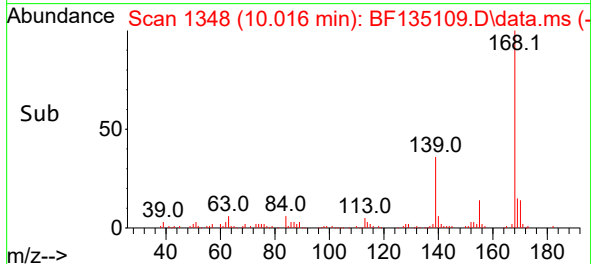
Instrument :
BNA_F
ClientSampleId :
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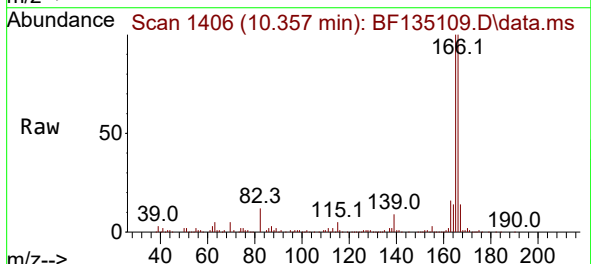
Tgt Ion:168 Resp: 37750
Ion Ratio Lower Upper
168 100
139 36.4 31.5 47.3
169 15.4 10.7 16.1

Manual Integrations
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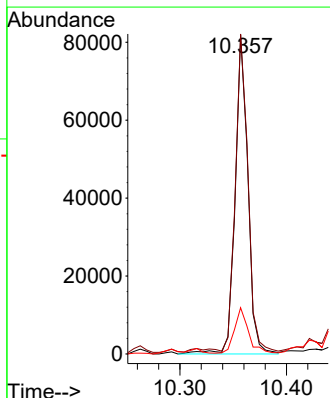
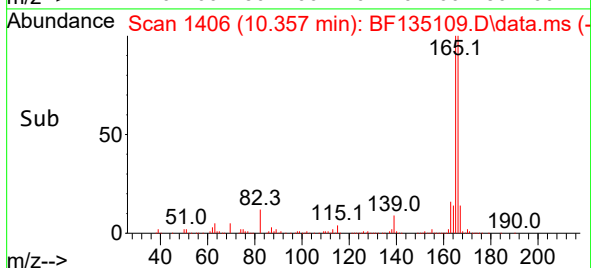
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

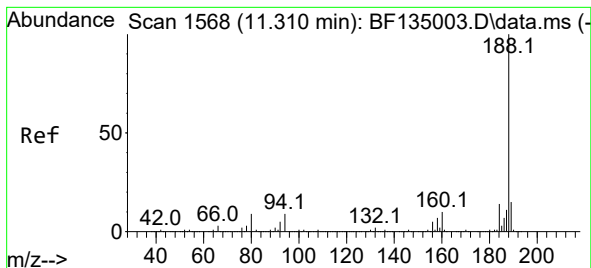


#58
Fluorene
Concen: 6.586 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32



Tgt Ion:166 Resp: 68009
Ion Ratio Lower Upper
166 100
165 100.2 78.0 117.0
167 14.5 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

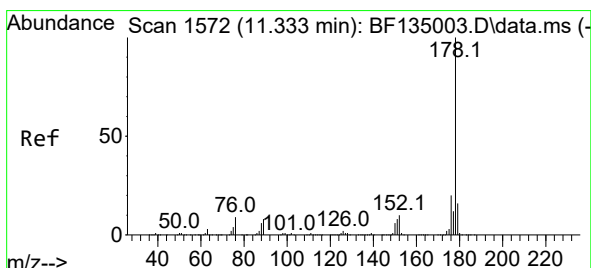
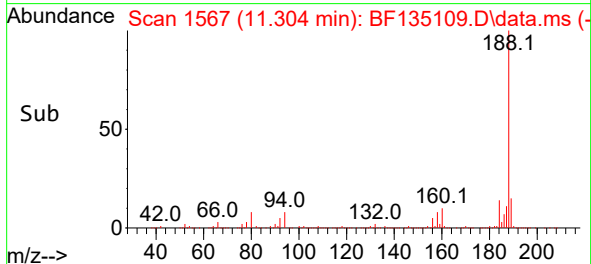
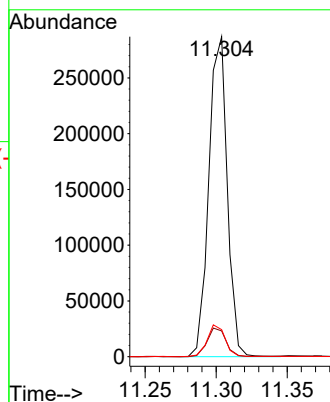
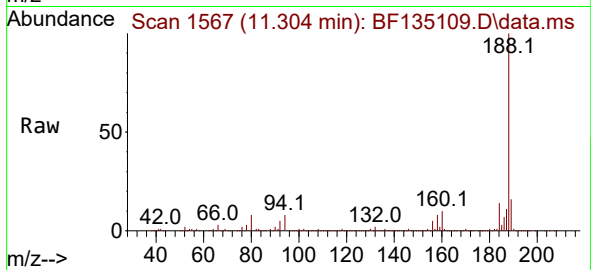
OR-3-083123

Tgt Ion:188 Resp: 260162
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.4
80 8.5 7.4 11.2

Manual Integrations

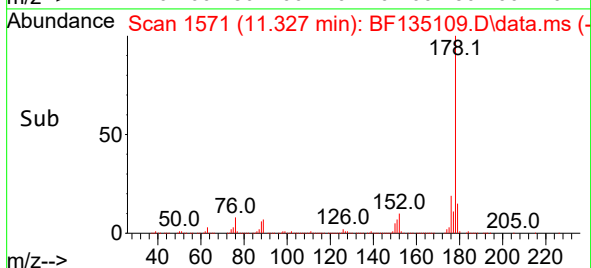
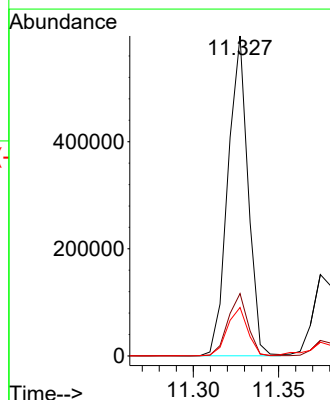
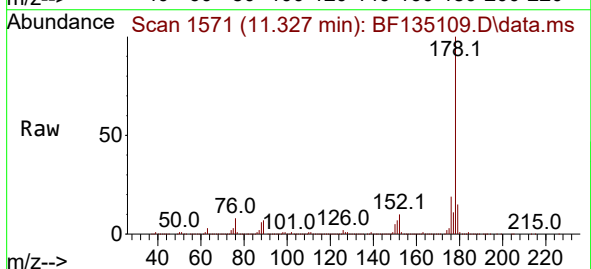
APPROVED

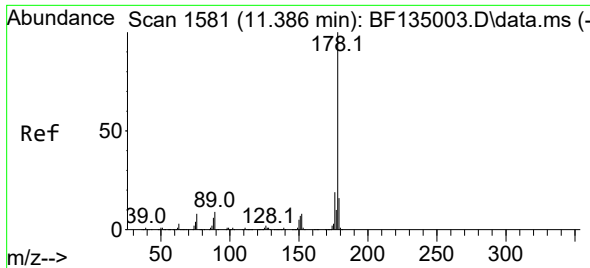
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#71
Phenanthrene
Concen: 36.438 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

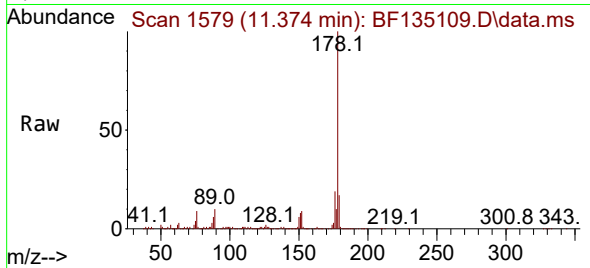
Tgt Ion:178 Resp: 489071
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 15.2 12.5 18.7





#72
 Anthracene
 Concen: 9.604 ng
 RT: 11.374 min Scan# 1579
 Delta R.T. -0.012 min
 Lab File: BF135109.D
 Acq: 05 Sep 2023 23:32

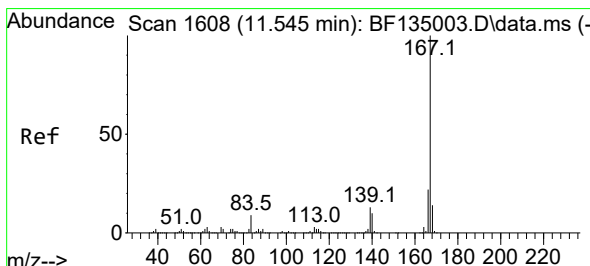
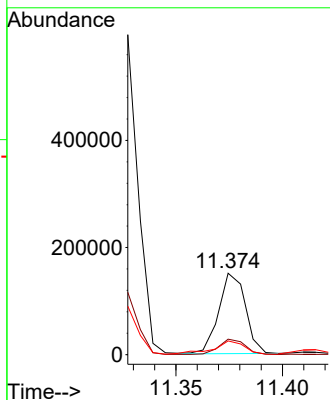
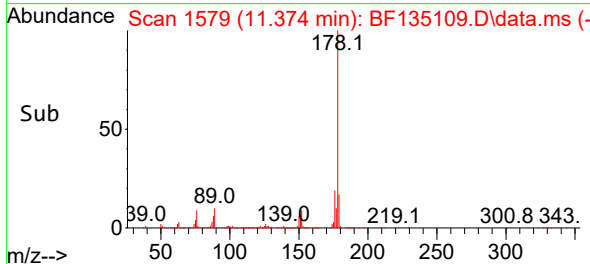
Instrument :
 BNA_F
 ClientSampleId :
 OR-3-083123



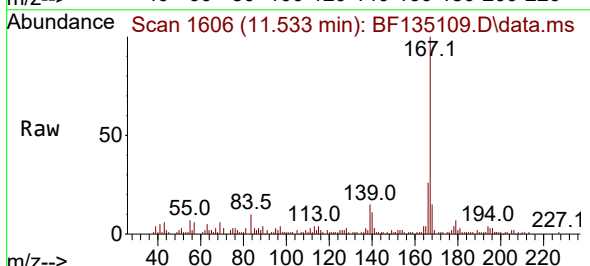
Tgt Ion:178 Resp: 131698
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 16.9 12.8 19.2

Manual Integrations
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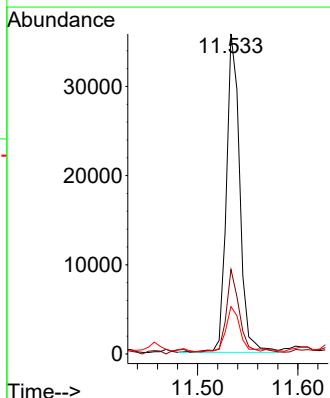
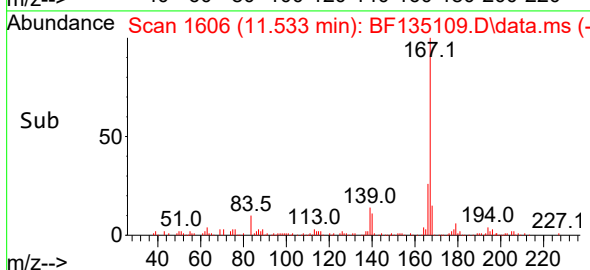
Reviewed By :Yogesh Patel 09/06/2023
 Supervised By :mohammad ahmed 09/07/2023

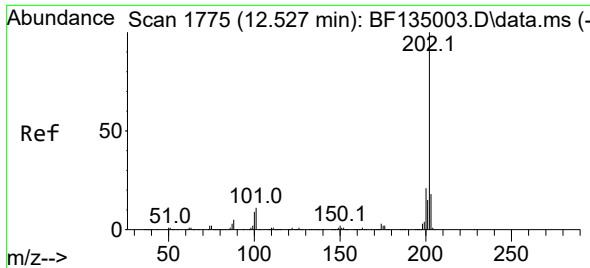


#73
 Carbazole
 Concen: 2.802 ng
 RT: 11.533 min Scan# 1606
 Delta R.T. -0.012 min
 Lab File: BF135109.D
 Acq: 05 Sep 2023 23:32



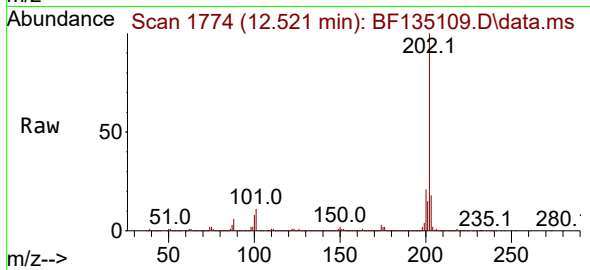
Tgt Ion:167 Resp: 33140
 Ion Ratio Lower Upper
 167 100
 166 26.4 17.4 26.2#
 139 14.8 10.3 15.5





#75
Fluoranthene
Concen: 40.303 ng
RT: 12.521 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

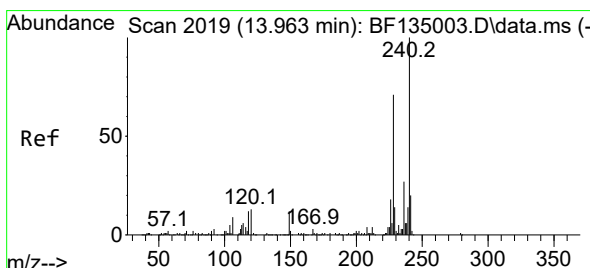
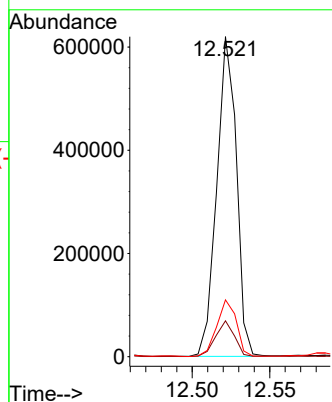
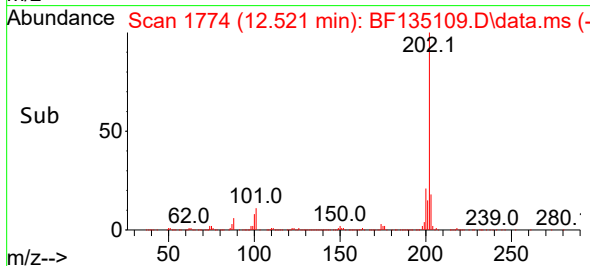
Instrument :
BNA_F
ClientSampleId :
OR-3-083123



Tgt Ion:202 Resp: 546915
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.5
203 17.8 0.0 37.8

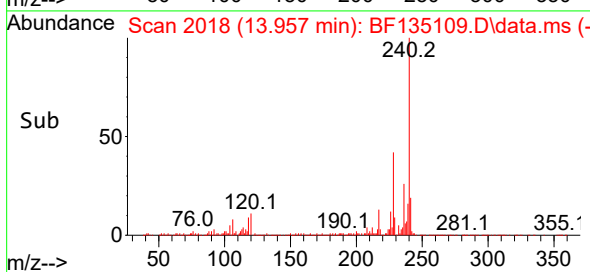
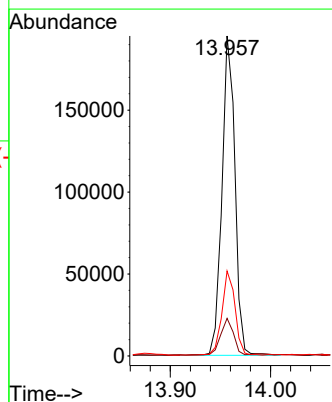
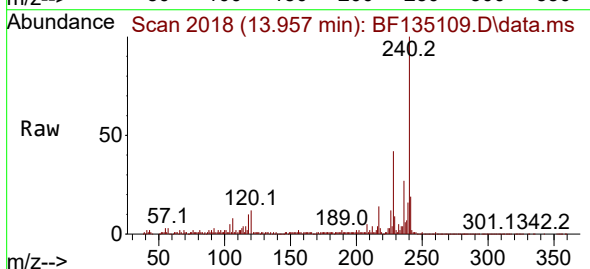
Manual Integrations
APPROVED

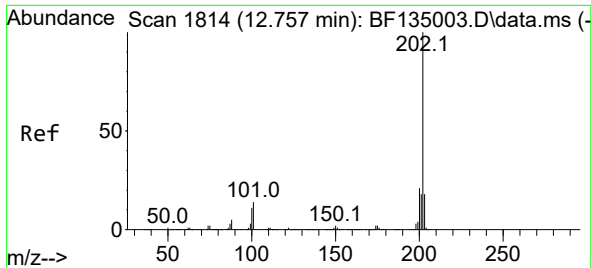
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

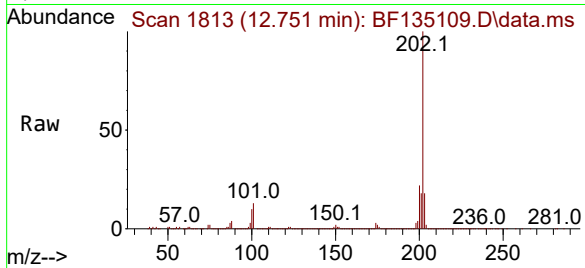
Tgt Ion:240 Resp: 175180
Ion Ratio Lower Upper
240 100
120 11.7 10.2 15.2
236 26.6 21.3 31.9





#78
 Pyrene
 Concen: 28.838 ng
 RT: 12.751 min Scan# 1813
 Delta R.T. -0.006 min
 Lab File: BF135109.D
 Acq: 05 Sep 2023 23:32

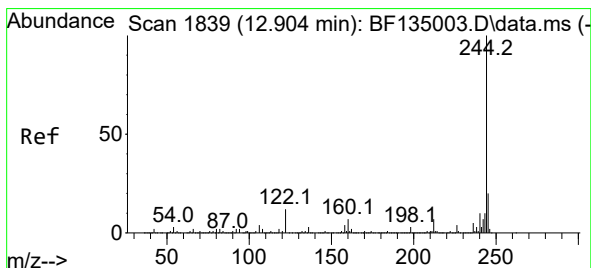
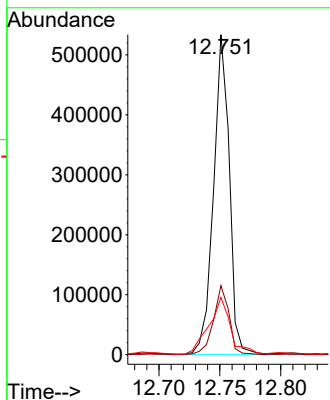
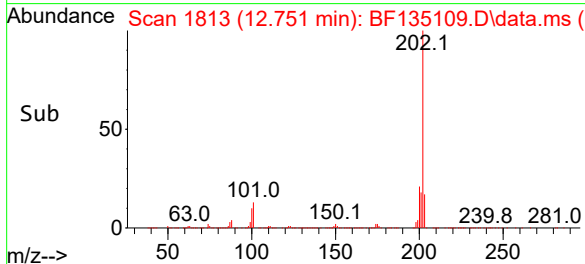
Instrument :
 BNA_F
 ClientSampleId :
 OR-3-083123



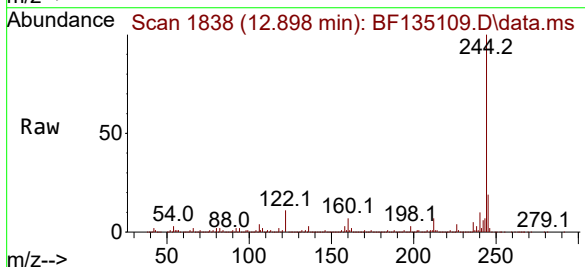
Tgt Ion:202 Resp: 479640
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.0 25.6
 203 17.9 14.2 21.2

Manual Integrations
 APPROVED

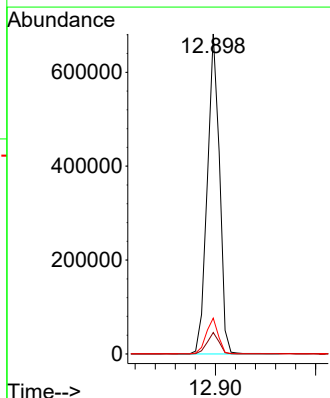
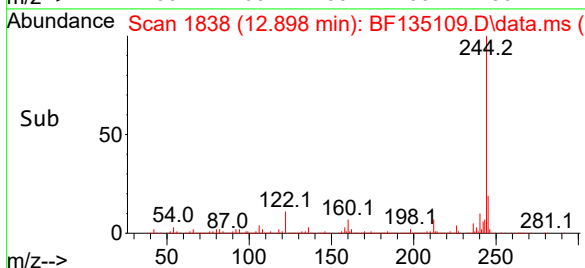
Reviewed By :Yogesh Patel 09/06/2023
 Supervised By :mohammad ahmed 09/07/2023

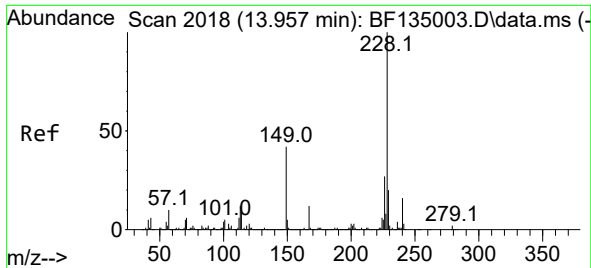


#79
 Terphenyl-d14
 Concen: 53.885 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF135109.D
 Acq: 05 Sep 2023 23:32



Tgt Ion:244 Resp: 578438
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 11.2 9.8 14.6





#81
Benzo(a)anthracene
Concen: 20.104 ng
RT: 13.945 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

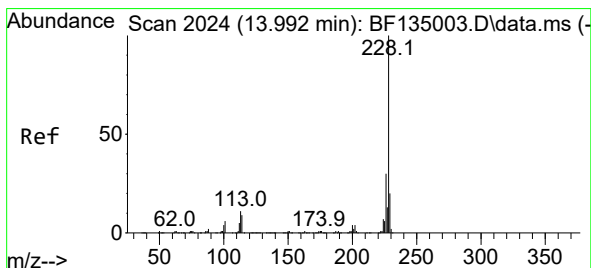
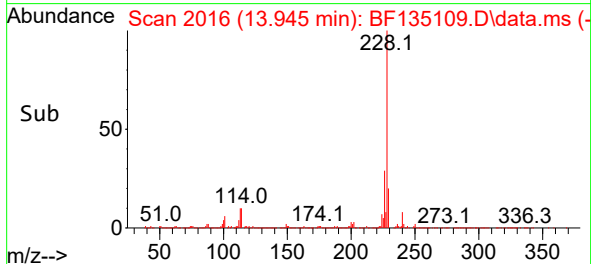
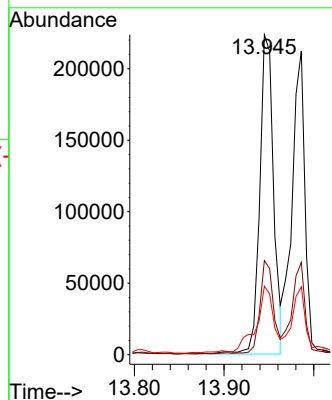
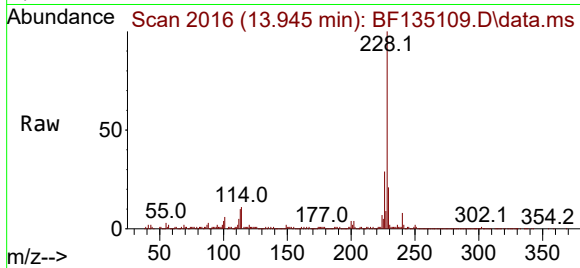
ClientSampleId :

OR-3-083123

Tgt Ion:228 Resp: 24023
Ion Ratio Lower Upper
228 100
226 29.4 21.6 32.4
229 21.4 15.6 23.4

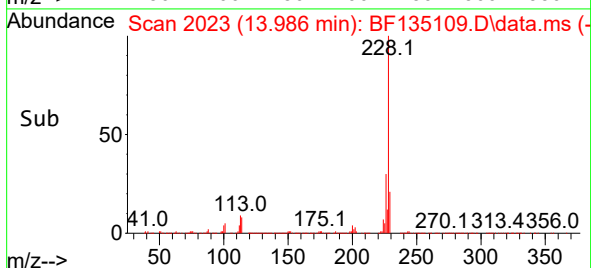
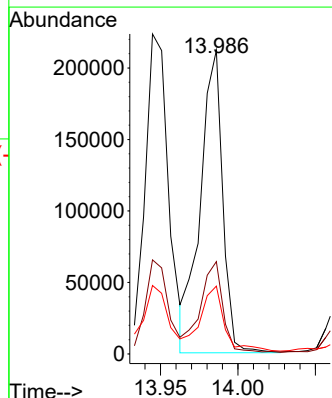
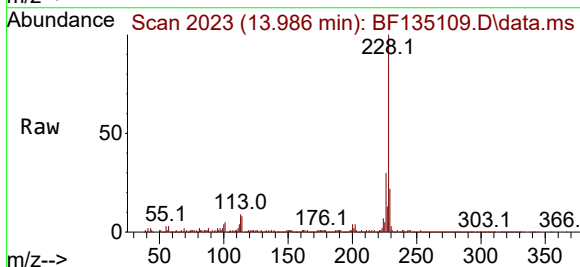
Manual Integrations
APPROVED

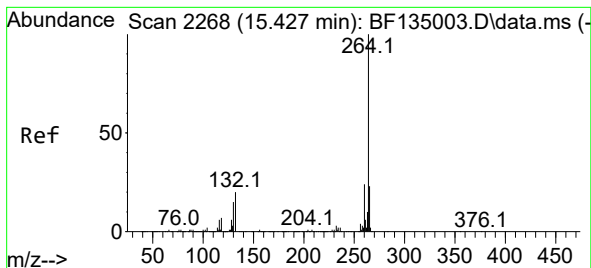
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#83
Chrysene
Concen: 18.164 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion:228 Resp: 213313
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.4
229 22.3 15.9 23.9





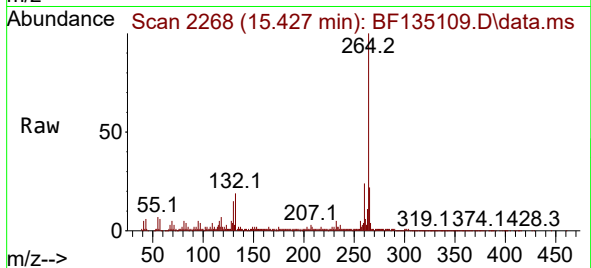
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

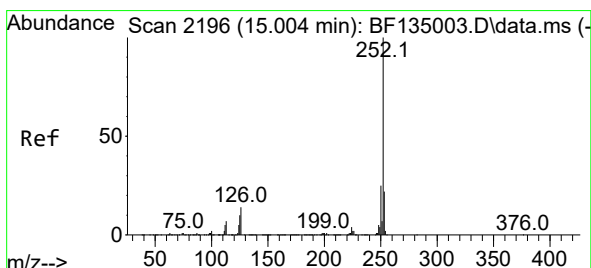
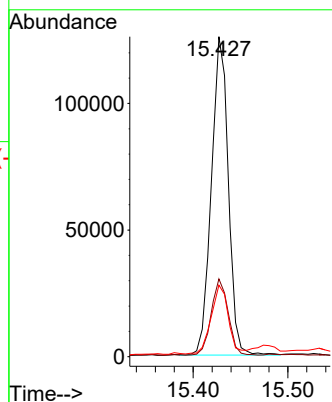
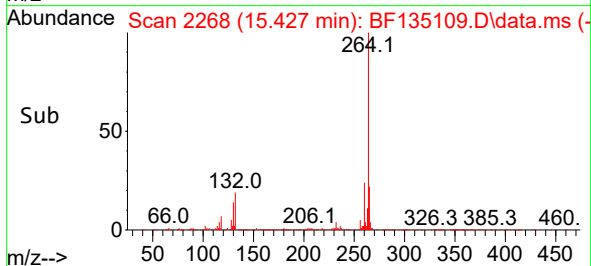


Tgt Ion:264 Resp: 156078
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.6
265 22.4 18.2 27.2

Manual Integrations

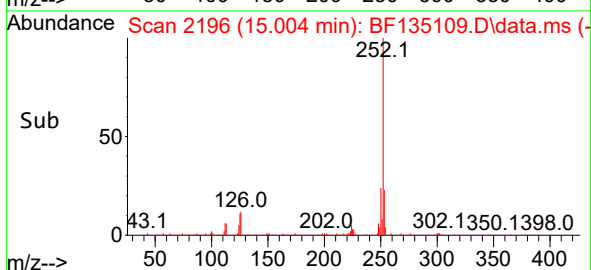
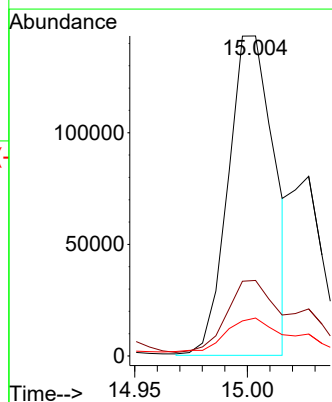
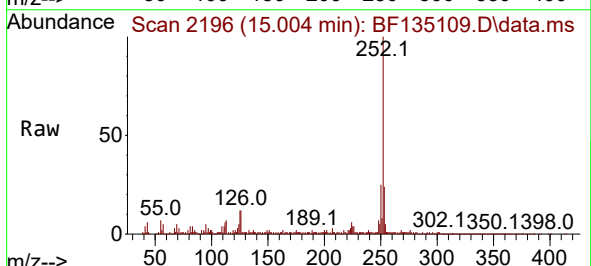
APPROVED

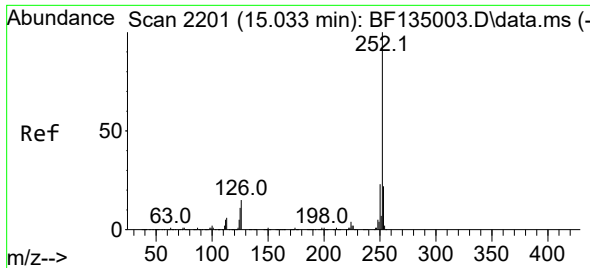
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023



#88
Benzo(b)fluoranthene
Concen: 21.000 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Tgt Ion:252 Resp: 203937
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 11.9 8.4 12.6





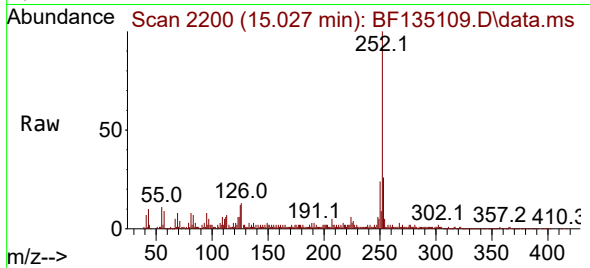
#89
Benzo(k)fluoranthene
Concen: 8.248 ng m
RT: 15.027 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123

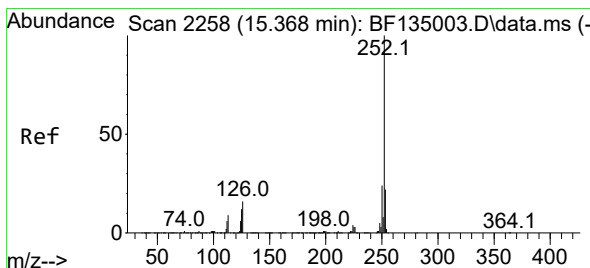
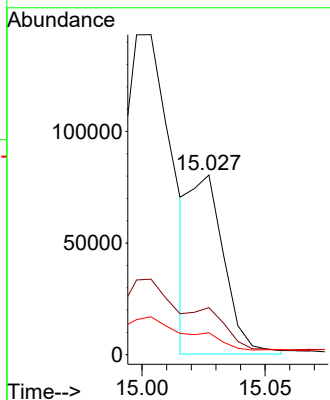
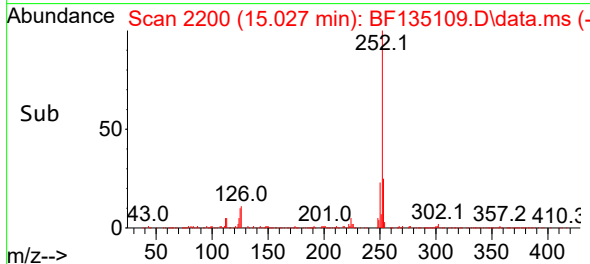


Tgt Ion:252 Resp: 77388
Ion Ratio Lower Upper
252 100
253 26.2 17.4 26.0
125 12.2 8.5 12.7

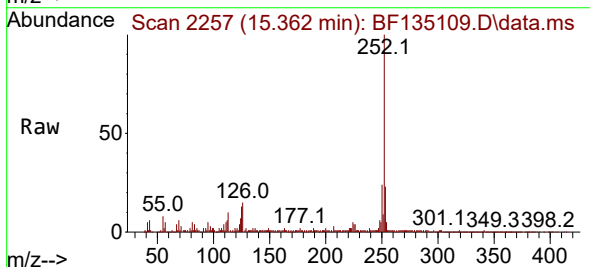
Manual Integrations

APPROVED

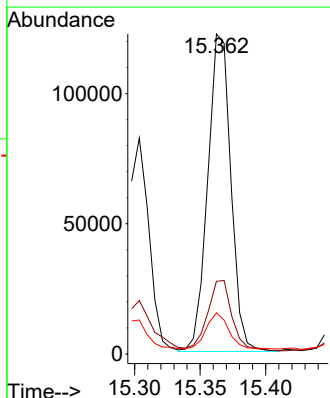
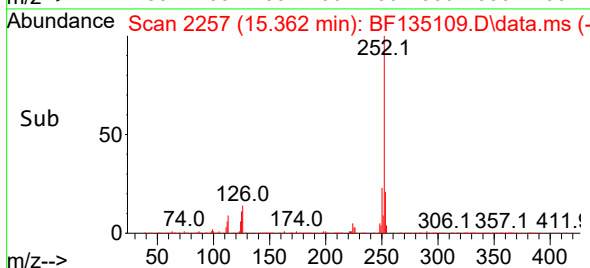
Reviewed By :Yogesh Patel 09/06/2023
Supervised By :mohammad ahmed 09/07/2023

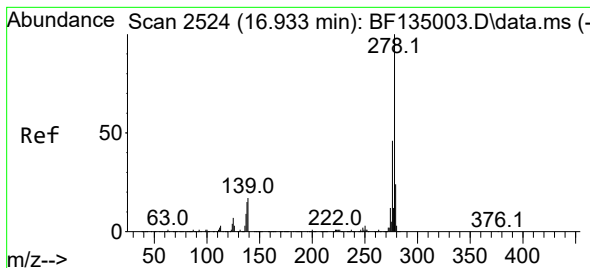


#90
Benzo(a)pyrene
Concen: 16.610 ng
RT: 15.362 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF135109.D
Acq: 05 Sep 2023 23:32



Tgt Ion:252 Resp: 149852
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 12.9 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 2.346 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.012 min

Lab File: BF135109.D

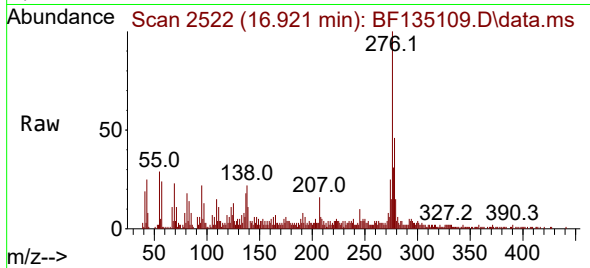
Acq: 05 Sep 2023 23:32

Instrument :

BNA_F

ClientSampleId :

OR-3-083123



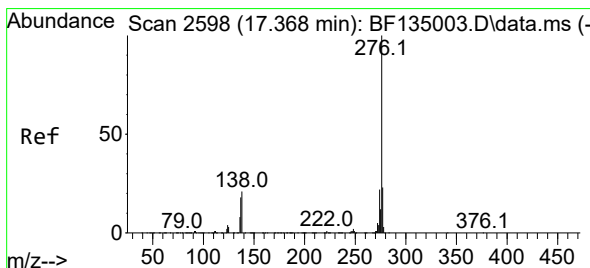
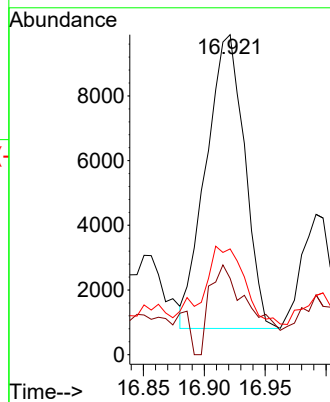
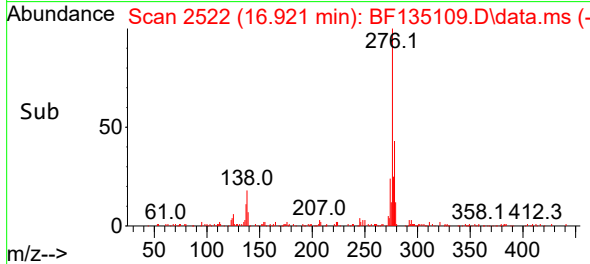
Tgt Ion:	278	Resp:	19979
Ion Ratio	Lower	Upper	
278	100		
139	23.8	13.4	20.2
279	33.1	19.5	29.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/06/2023

Supervised By :mohammad ahmed 09/07/2023



#92

Benzo(g,h,i)perylene

Concen: 8.288 ng

RT: 17.356 min Scan# 2596

Delta R.T. -0.012 min

Lab File: BF135109.D

Acq: 05 Sep 2023 23:32

Tgt Ion:	276	Resp:	73397
Ion Ratio	Lower	Upper	
276	100		
277	25.6	18.5	27.7
138	22.3	17.1	25.7

