

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
 Data File : BF135991.D
 Acq On : 27 Oct 2023 18:34
 Operator : CG\JU
 Sample : 04767-01DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-1(0-5)DL

Quant Time: Oct 27 22:34:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	174061	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	688716	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	340902	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	520375	20.000	ng	0.00
76) Chrysene-d12	14.010	240	333579	20.000	ng	0.00
86) Perylene-d12	15.498	264	349329	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	624321	55.386	ng	0.00
7) Phenol-d6	6.451	99	766978	54.654	ng	0.00
23) Nitrobenzene-d5	7.381	82	436284	45.985	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	162867	54.582	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	850879	39.967	ng	0.00
79) Terphenyl-d14	12.951	244	617373	30.922	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.722	152	113694	3.772	ng	98
58) Fluorene	10.410	166	44906	2.151	ng	95
71) Phenanthrene	11.381	178	747660	28.399	ng	100
72) Anthracene	11.428	178	173879	6.450	ng	100
75) Fluoranthene	12.575	202	912495	32.945	ng	99
78) Pyrene	12.804	202	1166902	41.662	ng	100
81) Benzo(a)anthracene	13.998	228	598490m	26.387	ng	
83) Chrysene	14.033	228	555102	25.128	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	173980	8.783	ng	95
88) Benzo(b)fluoranthene	15.063	252	618608m	29.756	ng	
89) Benzo(k)fluoranthene	15.086	252	193751m	9.489	ng	
90) Benzo(a)pyrene	15.433	252	477644	24.929	ng	98
91) Dibenzo(a,h)anthracene	17.021	278	48740	2.877	ng	96
92) Benzo(g,h,i)perylene	17.457	276	164299	11.619	ng	98

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

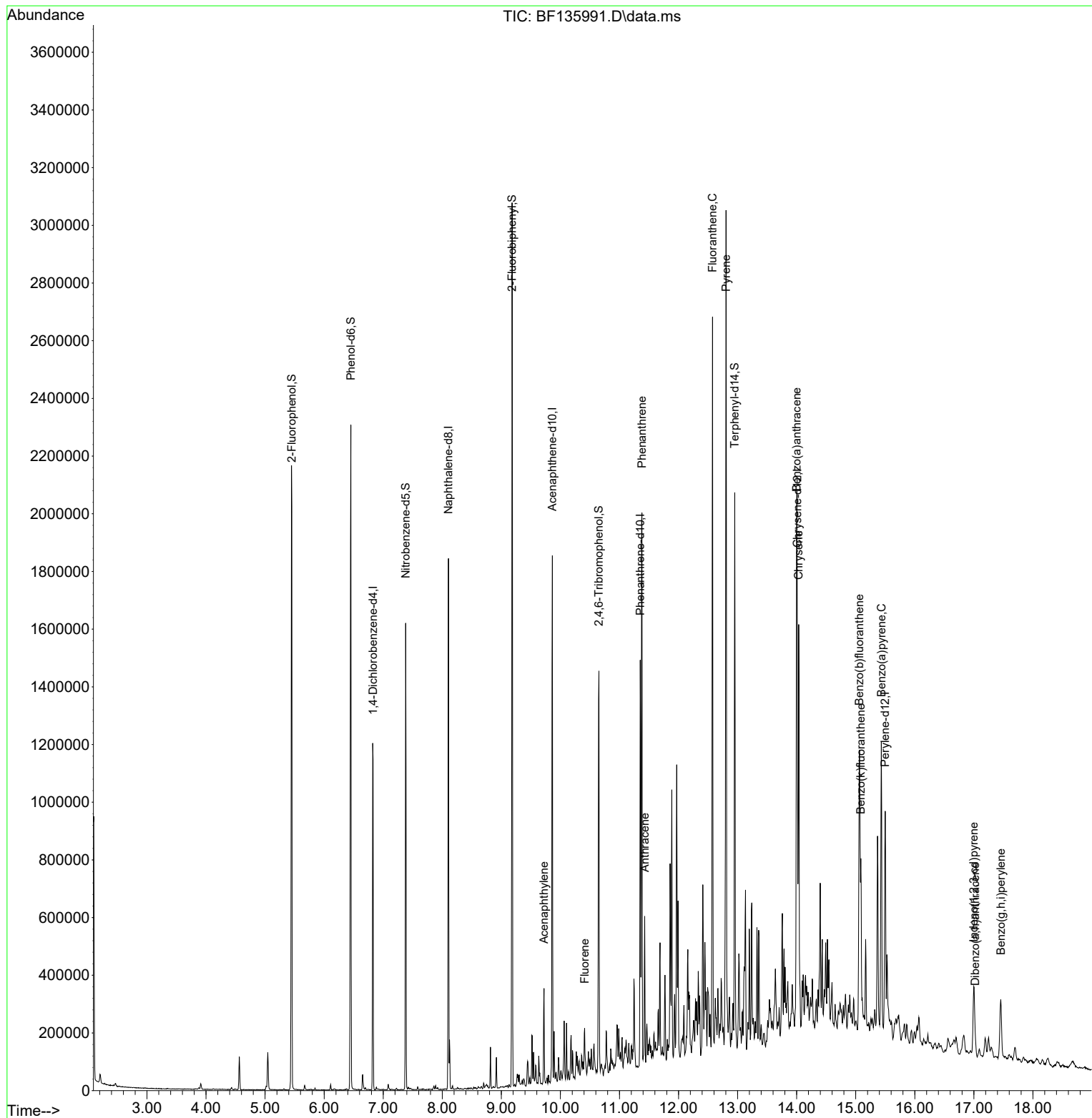
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102723\
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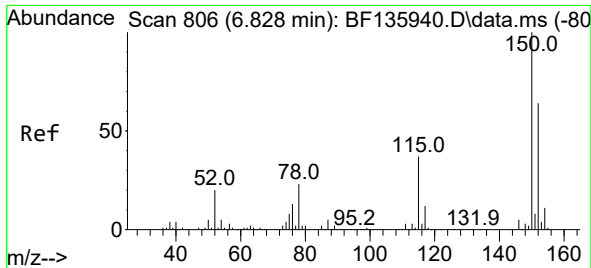
Instrument :
BNA_F
ClientSampleId :
D-1(0-5)DL

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
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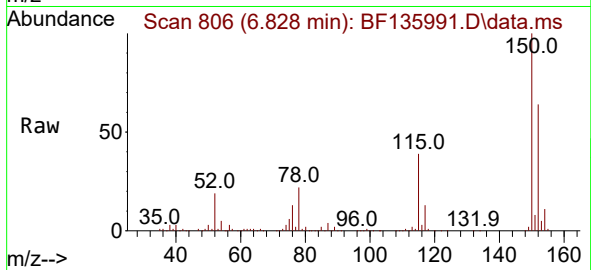
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

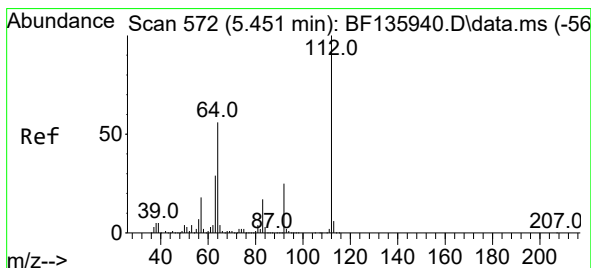
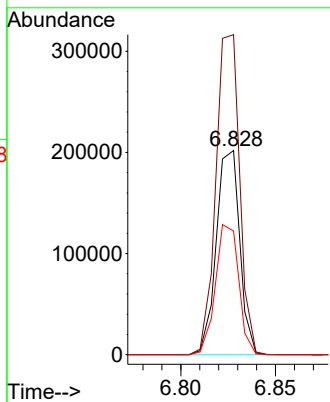
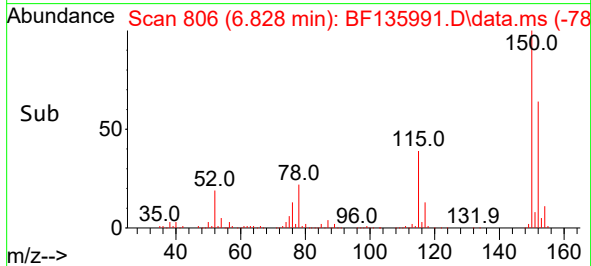
Instrument :
BNA_F
ClientSampleId :
D-1(0-5)DL



Tgt Ion:152 Resp: 174063
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 60.6 46.6 69.8

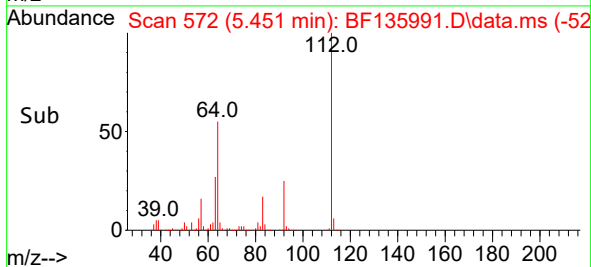
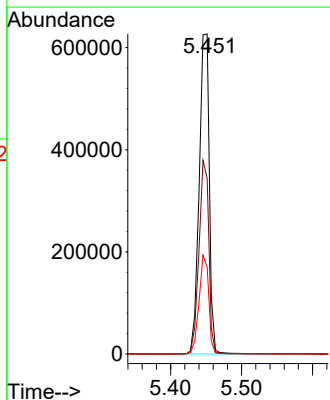
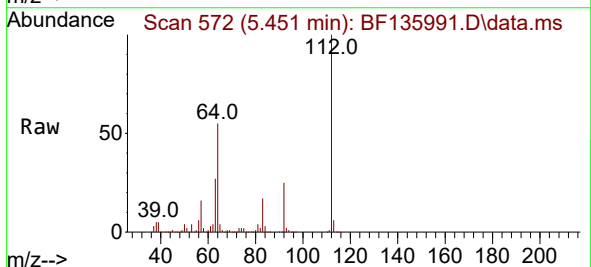
Manual Integrations
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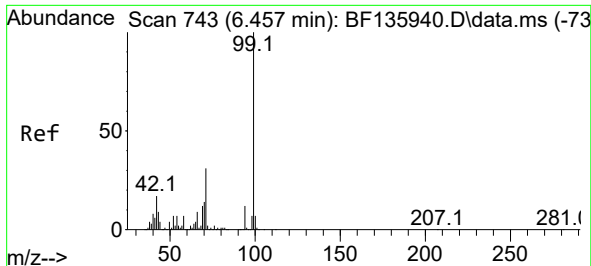
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#5
2-Fluorophenol
Concen: 55.386 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

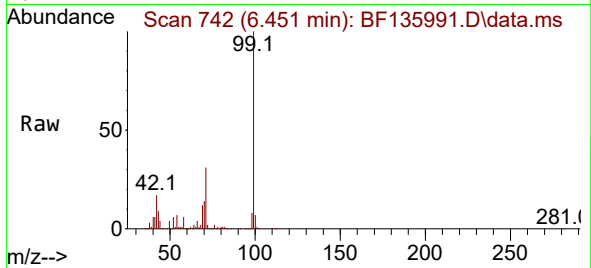
Tgt Ion:112 Resp: 624321
Ion Ratio Lower Upper
112 100
64 55.0 45.1 67.7
63 27.1 23.0 34.4





#7
Phenol-d6
Concen: 54.654 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

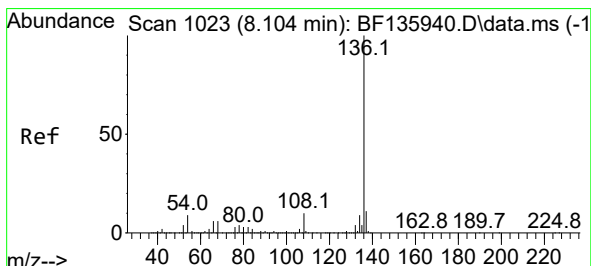
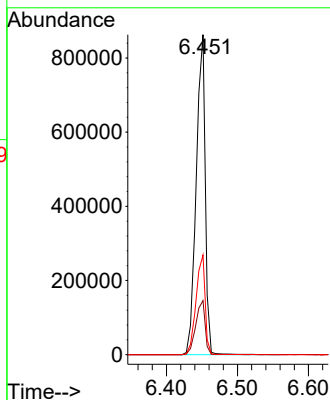
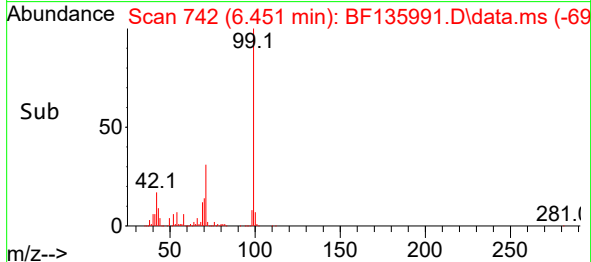
Instrument :
BNA_F
ClientSampleId :
D-1(0-5)DL



Tgt Ion: 99 Resp: 766978
Ion Ratio Lower Upper
99 100
42 16.9 13.8 20.8
71 31.2 25.1 37.7

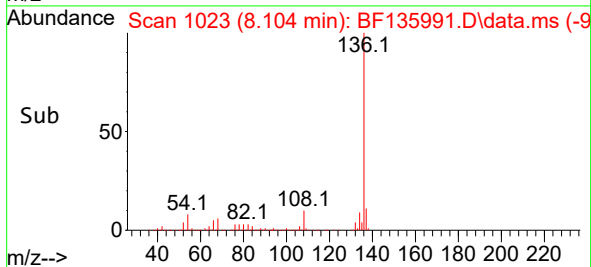
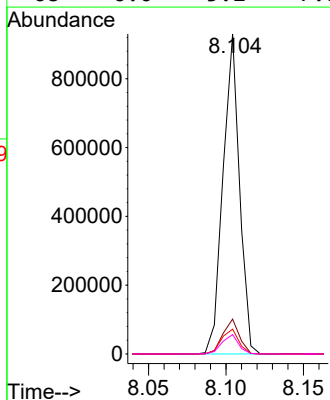
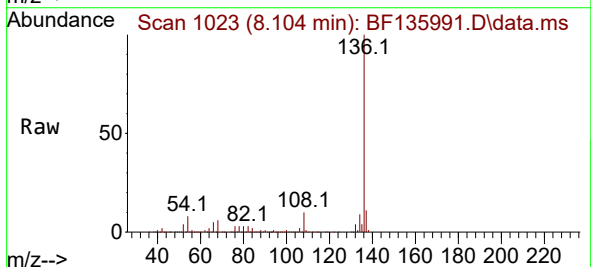
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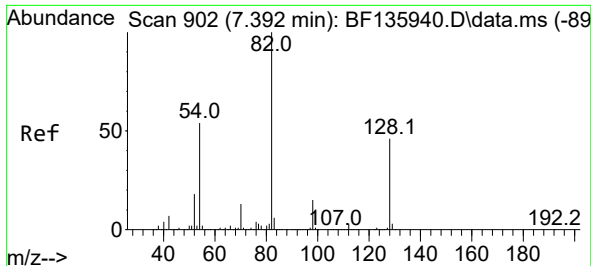
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

Tgt Ion:136 Resp: 688716
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 7.8 7.1 10.7
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 45.985 ng

RT: 7.381 min Scan# 902

Delta R.T. -0.011 min

Lab File: BF135991.D

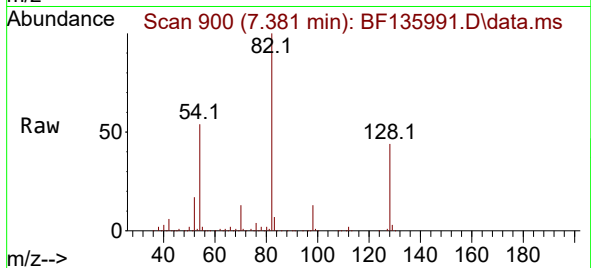
Acq: 27 Oct 2023 18:34

Instrument :

BNA_F

ClientSampleId :

D-1(0-5)DL



Tgt Ion: 82 Resp: 436284

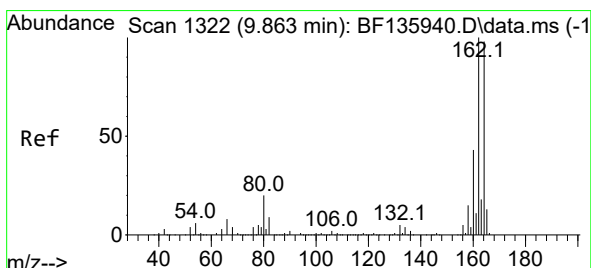
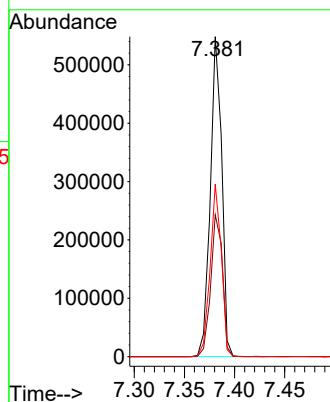
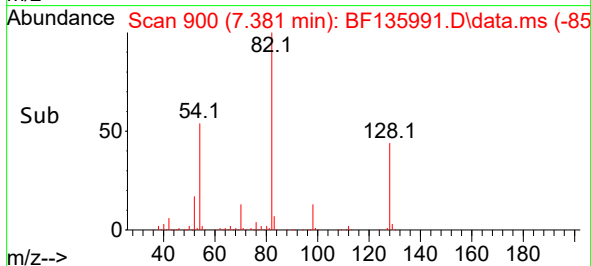
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.8	55.2
54	53.9	43.4	65.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1322

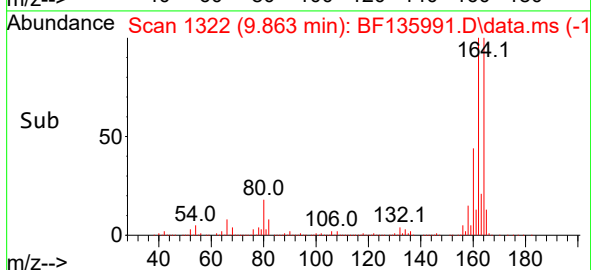
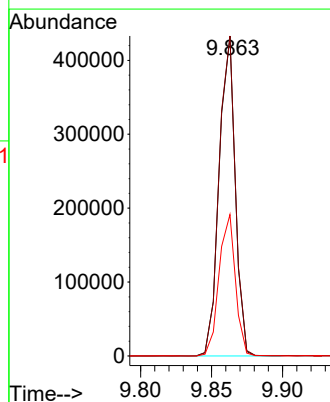
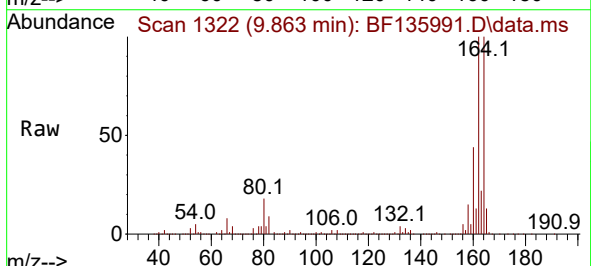
Delta R.T. -0.000 min

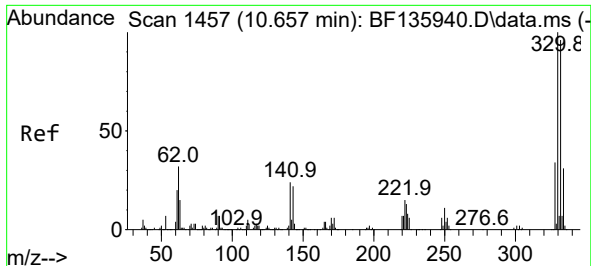
Lab File: BF135991.D

Acq: 27 Oct 2023 18:34

Tgt Ion:164 Resp: 340902

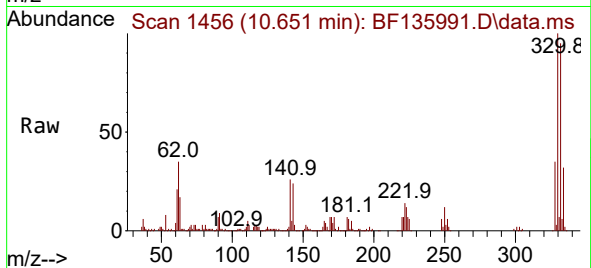
Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.0	123.0
160	44.2	35.6	53.4





#42
2,4,6-Tribromophenol
Concen: 54.582 ng
RT: 10.651 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

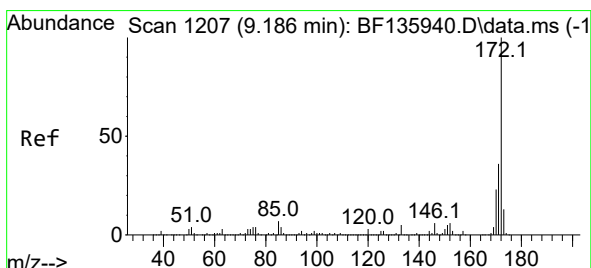
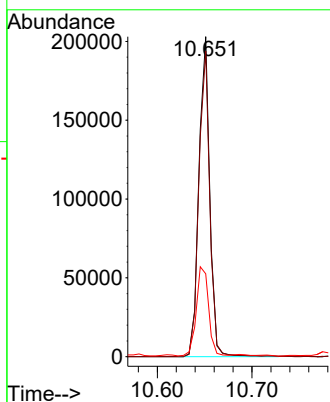
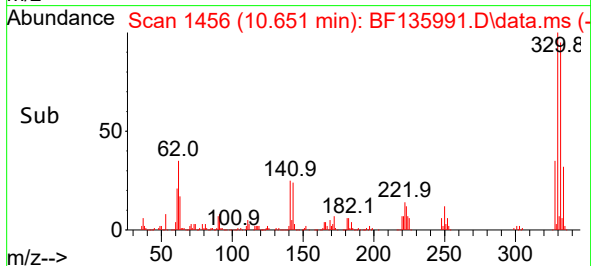
Instrument :
BNA_F
ClientSampleId :
D-1(0-5)DL



Tgt Ion: 330 Resp: 16286
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.2
141 31.3 24.9 37.3

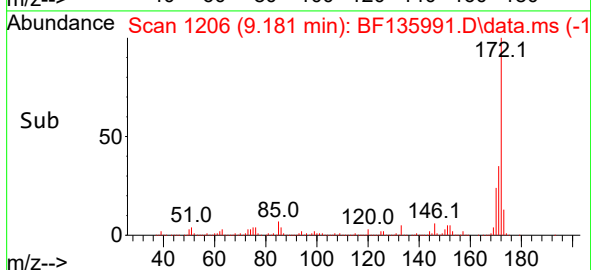
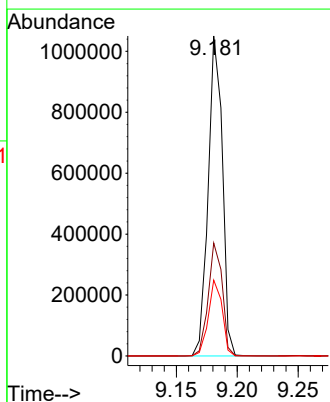
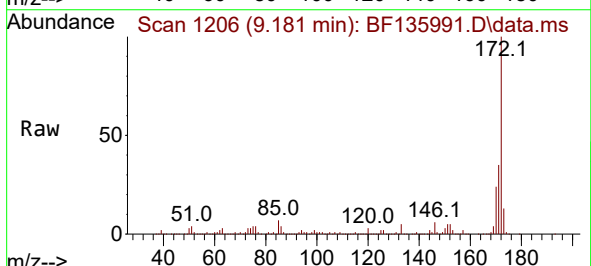
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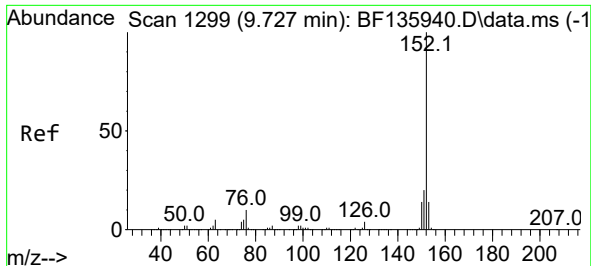
Reviewed By : Yogesh Patel 10/28/2023
Supervised By : mohammad ahmed 10/28/2023



#45
2-Fluorobiphenyl
Concen: 39.967 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

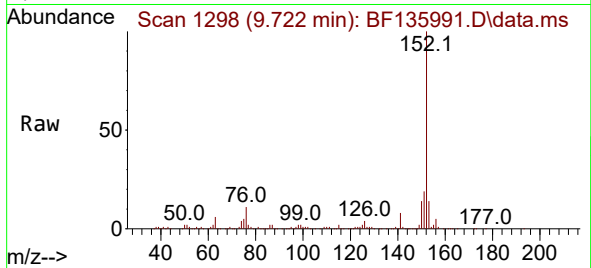
Tgt Ion: 172 Resp: 850879
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.7 18.6 28.0





#49
Acenaphthylene
Concen: 3.772 ng
RT: 9.722 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

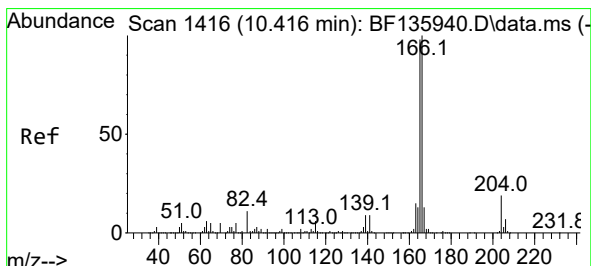
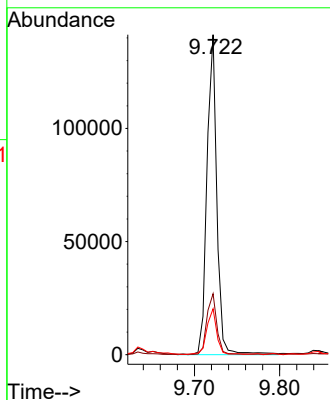
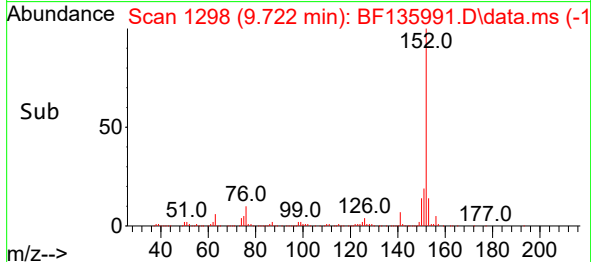
Instrument :
BNA_F
ClientSampleId :
D-1(0-5)DL



Tgt Ion:152 Resp: 113694
Ion Ratio Lower Upper
152 100
151 19.1 16.0 24.0
153 14.4 11.0 16.6

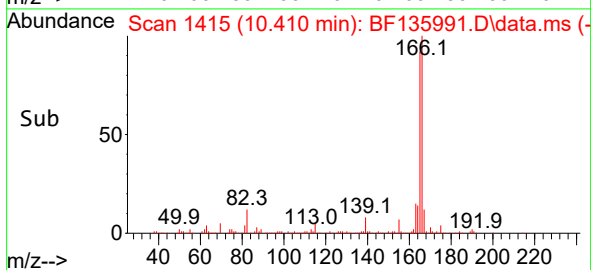
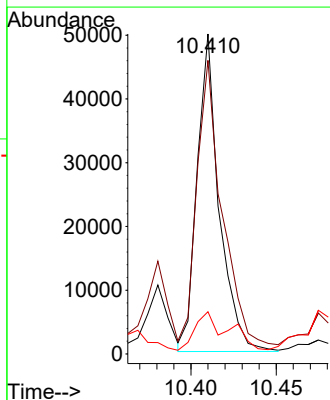
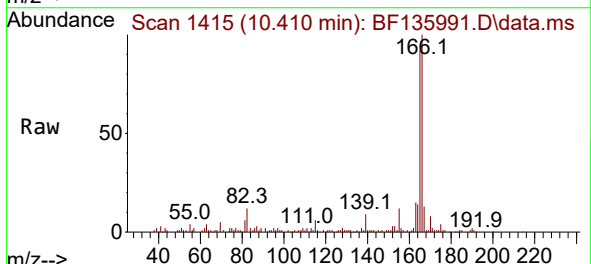
Manual Integrations
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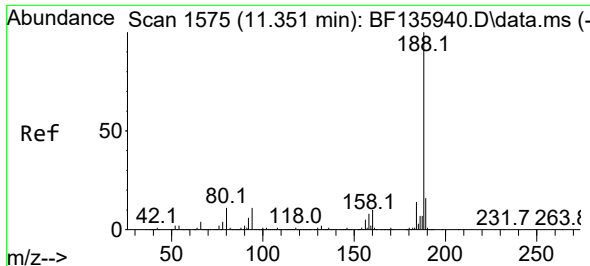
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#58
Fluorene
Concen: 2.151 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

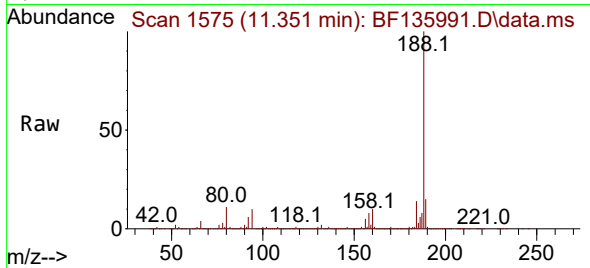
Tgt Ion:166 Resp: 44906
Ion Ratio Lower Upper
166 100
165 91.8 78.0 117.0
167 13.2 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

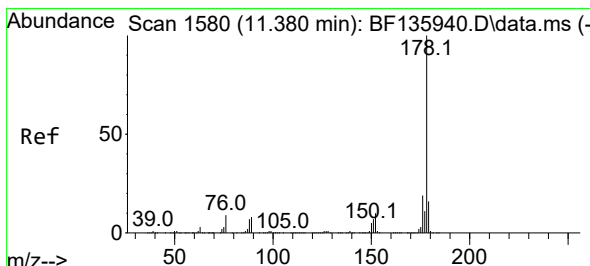
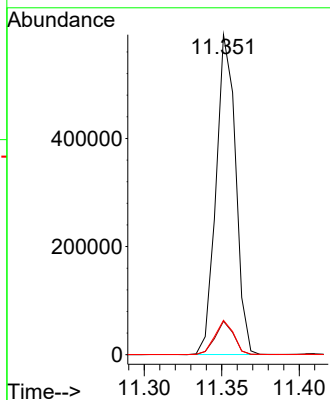
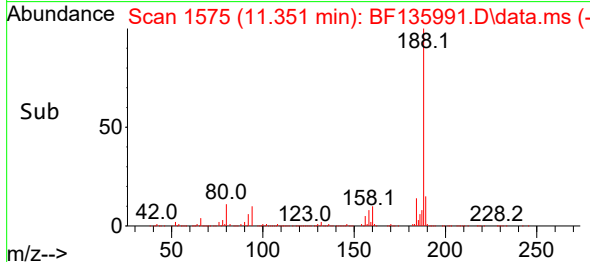
Instrument :
BNA_F
ClientSampleId :
D-1(0-5)DL



Tgt Ion:188 Resp: 520375
Ion Ratio Lower Upper
188 100
94 10.5 8.6 13.0
80 10.8 9.0 13.6

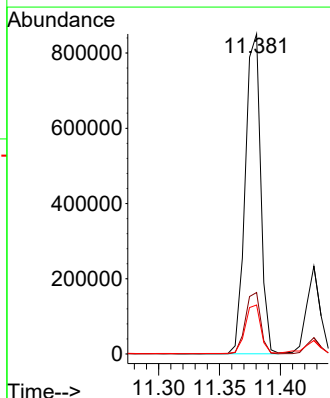
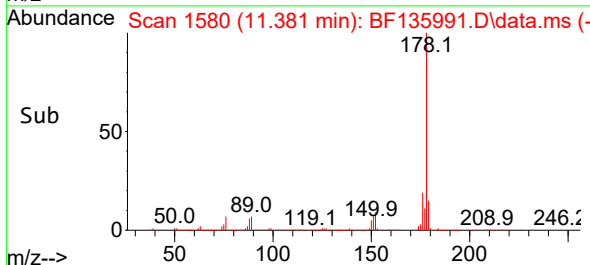
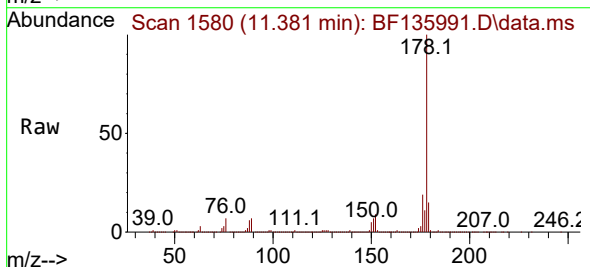
Manual Integrations
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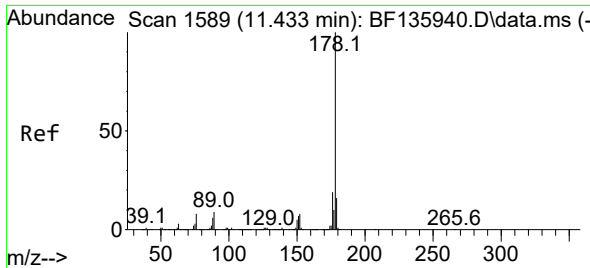
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#71
Phenanthrene
Concen: 28.399 ng
RT: 11.381 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

Tgt Ion:178 Resp: 747660
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.3 12.5 18.7





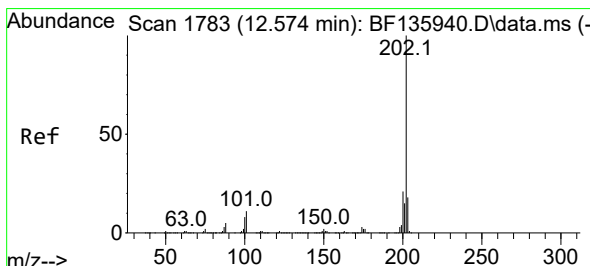
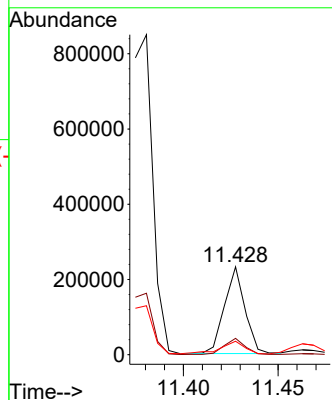
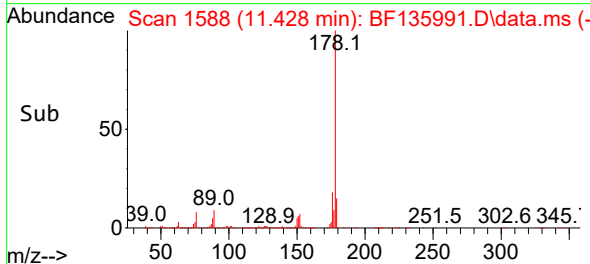
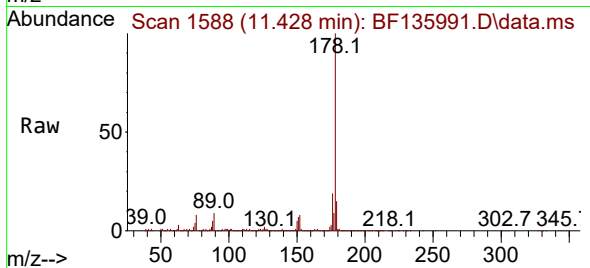
#72
 Anthracene
 Concen: 6.450 ng
 RT: 11.428 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF135991.D
 Acq: 27 Oct 2023 18:34

Instrument :
 BNA_F
 ClientSampleId :
 D-1(0-5)DL

Tgt Ion:178 Resp: 173879
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 15.3 12.5 18.7

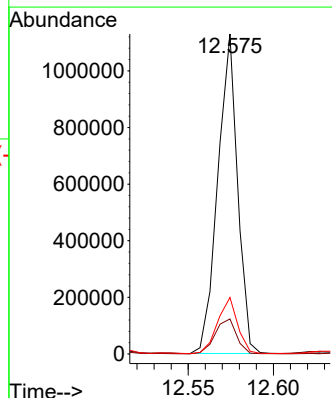
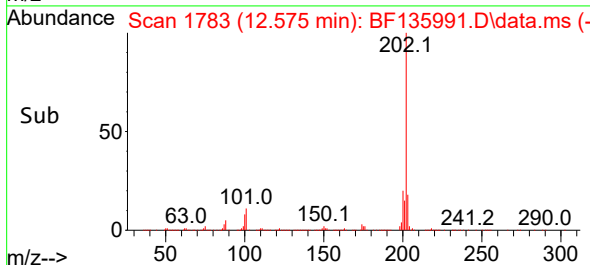
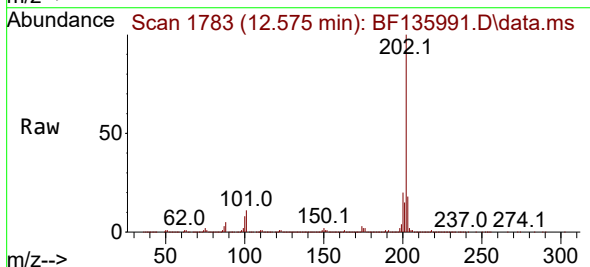
Manual Integrations
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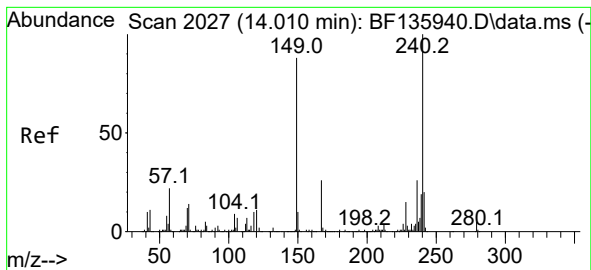
Reviewed By :Yogesh Patel 10/28/2023
 Supervised By :mohammad ahmed 10/28/2023



#75
 Fluoranthene
 Concen: 32.945 ng
 RT: 12.575 min Scan# 1783
 Delta R.T. 0.000 min
 Lab File: BF135991.D
 Acq: 27 Oct 2023 18:34

Tgt Ion:202 Resp: 912495
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.6
 203 17.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF135991.D

Acq: 27 Oct 2023 18:34

Instrument :

BNA_F

ClientSampleId :

D-1(0-5)DL

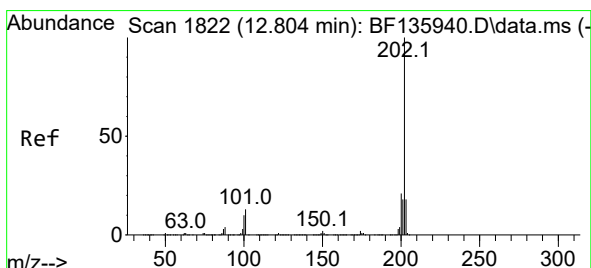
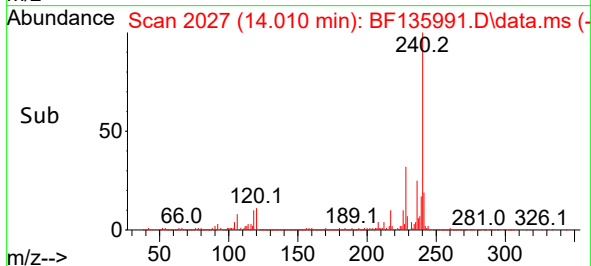
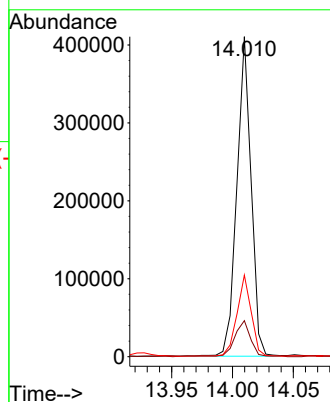
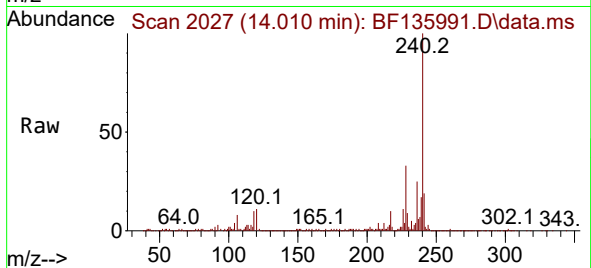
Tgt Ion:240 Resp: 333579
 Ion Ratio Lower Upper
 240 100
 120 11.2 8.6 13.0
 236 25.5 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#78

Pyrene

Concen: 41.662 ng

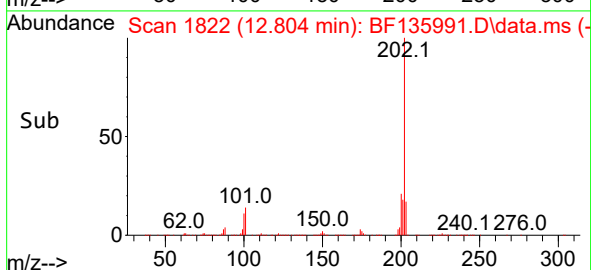
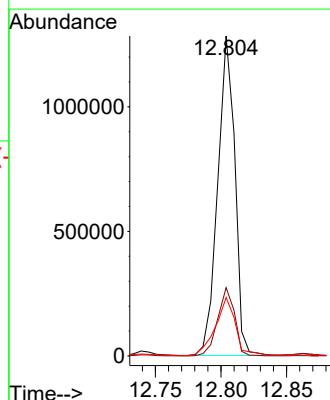
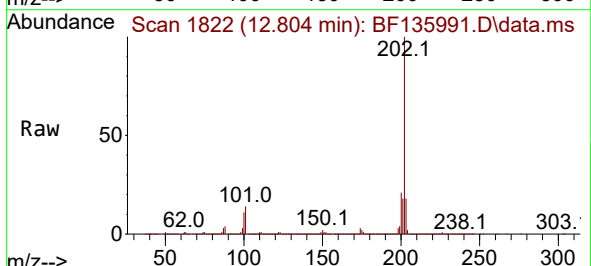
RT: 12.804 min Scan# 1822

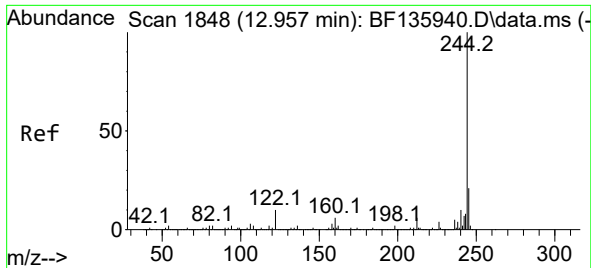
Delta R.T. 0.000 min

Lab File: BF135991.D

Acq: 27 Oct 2023 18:34

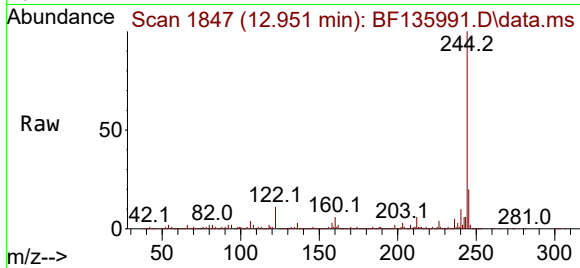
Tgt Ion:202 Resp: 1166902
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.0 25.6
 203 18.2 14.5 21.7





#79
Terphenyl-d14
Concen: 30.922 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

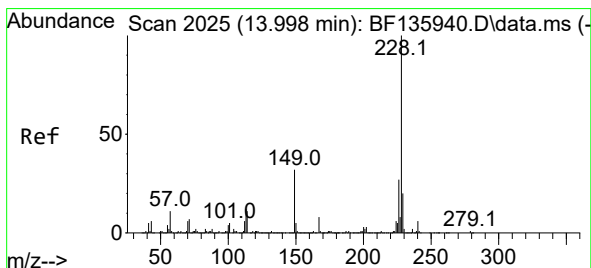
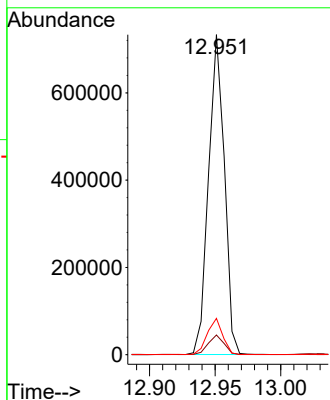
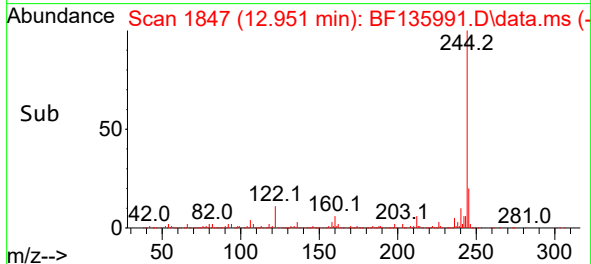
Instrument :
BNA_F
ClientSampleId :
D-1(0-5)DL



Tgt Ion:244 Resp: 61737
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.6
122 11.4 8.0 12.0

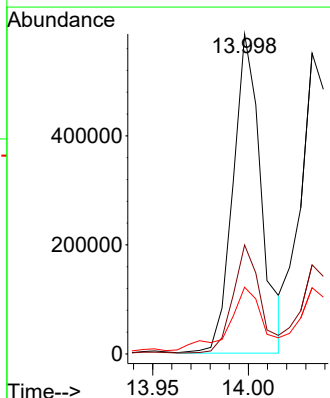
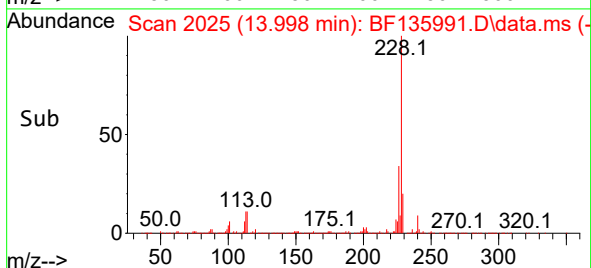
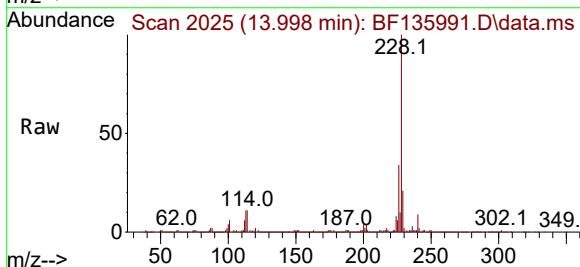
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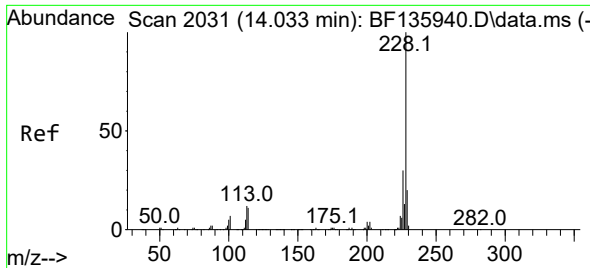
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#81
Benzo(a)anthracene
Concen: 26.387 ng m
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

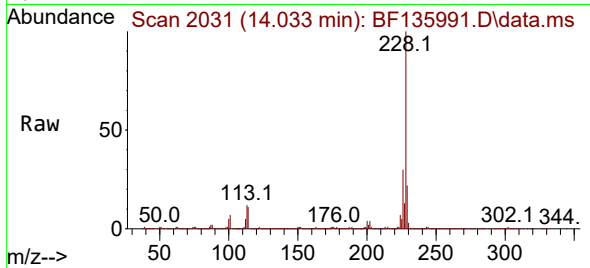
Tgt Ion:228 Resp: 598490
Ion Ratio Lower Upper
228 100
226 34.0 21.8 32.6#
229 20.8 16.2 24.4





#83
Chrysene
Concen: 25.128 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

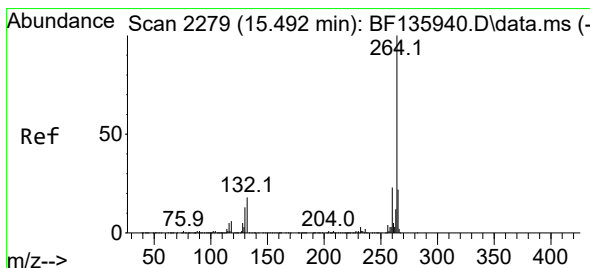
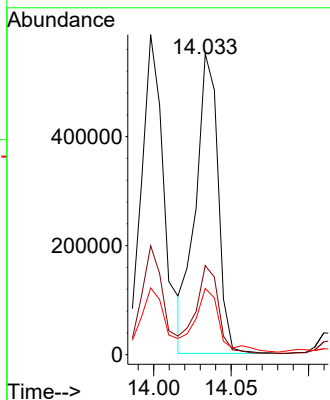
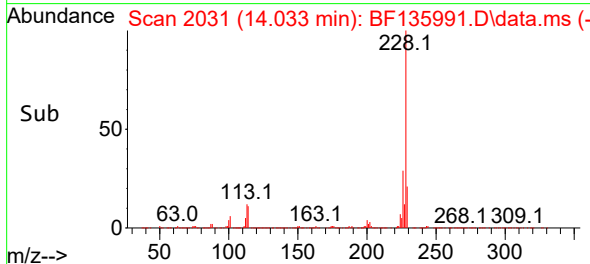
Instrument :
BNA_F
Client SampleId :
D-1(0-5)DL



Tgt Ion:228 Resp: 55510
Ion Ratio Lower Upper
228 100
226 29.6 23.9 35.9
229 22.0 16.2 24.2

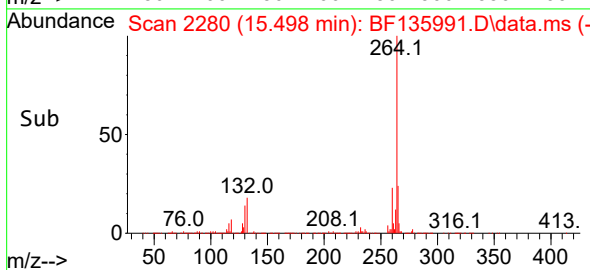
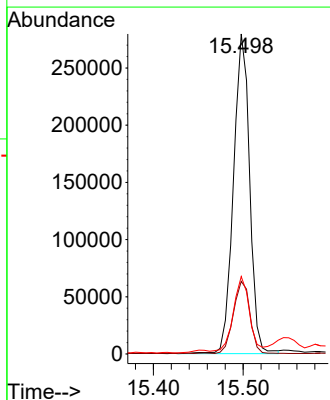
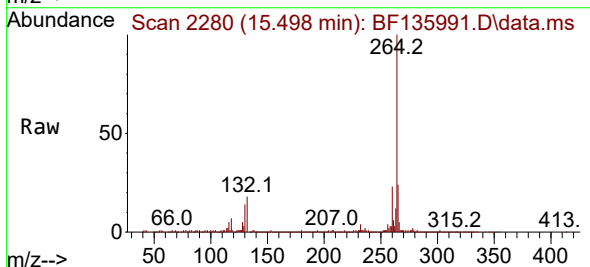
Manual Integrations
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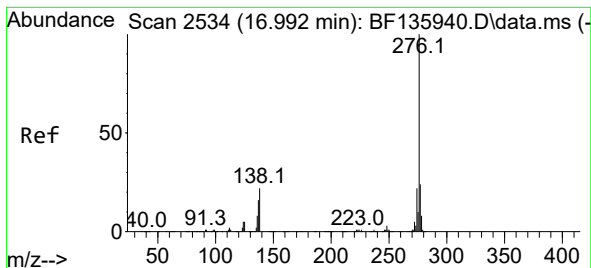
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

Tgt Ion:264 Resp: 349329
Ion Ratio Lower Upper
264 100
260 22.7 18.6 28.0
265 24.2 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.783 ng

RT: 16.998 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135991.D

Acq: 27 Oct 2023 18:34

Instrument :

BNA_F

ClientSampleId :

D-1(0-5)DL

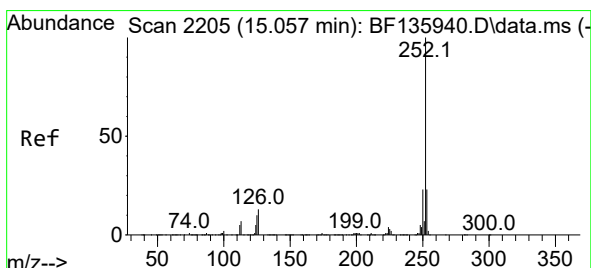
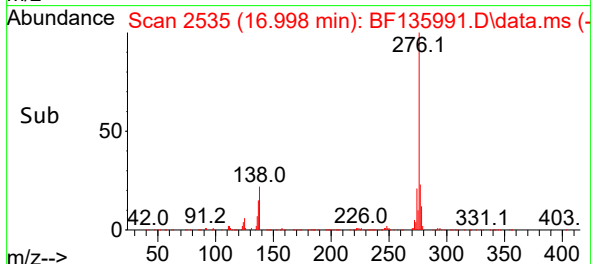
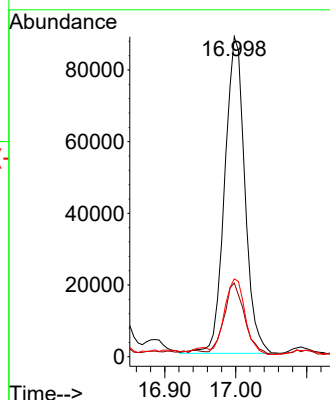
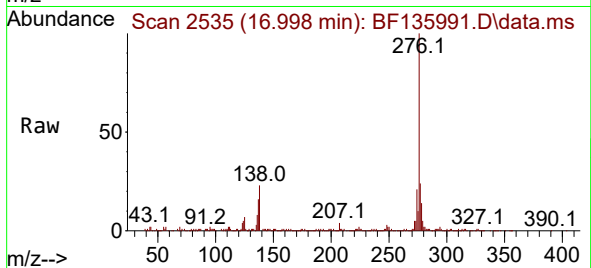
Tgt Ion:276 Resp: 173980
 Ion Ratio Lower Upper
 276 100
 138 22.8 21.8 32.6
 277 24.5 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#88

Benzo(b)fluoranthene

Concen: 29.756 ng m

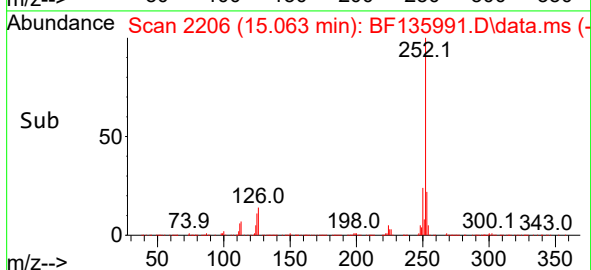
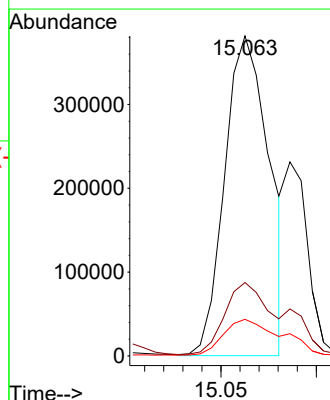
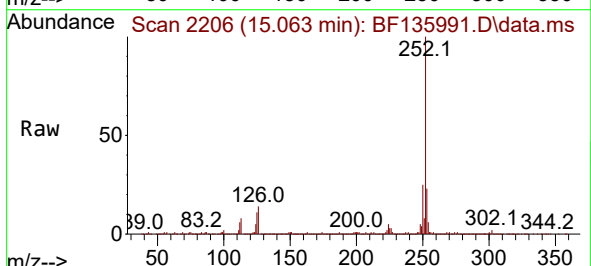
RT: 15.063 min Scan# 2206

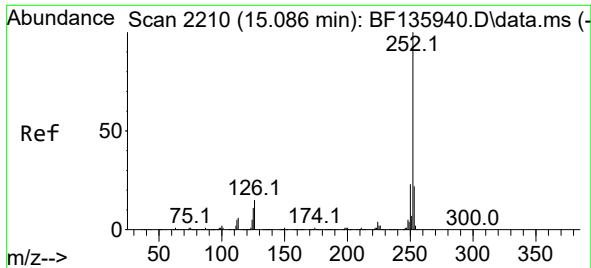
Delta R.T. 0.006 min

Lab File: BF135991.D

Acq: 27 Oct 2023 18:34

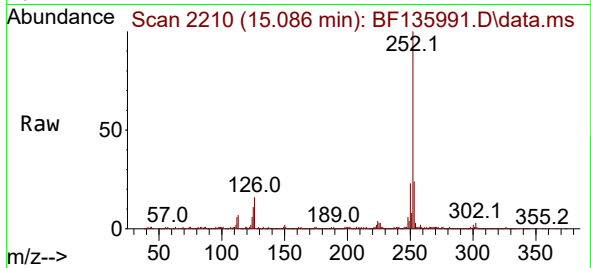
Tgt Ion:252 Resp: 618608
 Ion Ratio Lower Upper
 252 100
 253 23.0 18.0 27.0
 125 11.5 8.2 12.4





#89
Benzo(k)fluoranthene
Concen: 9.489 ng m
RT: 15.086 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

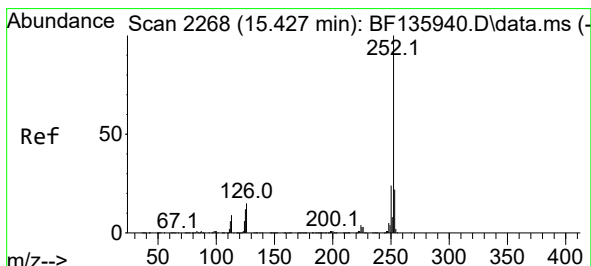
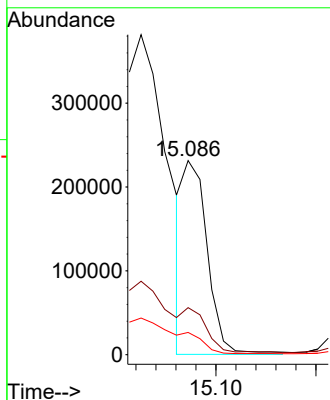
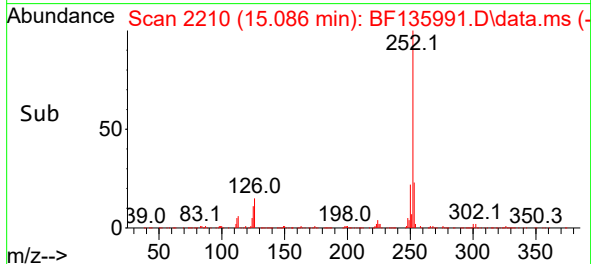
Instrument :
BNA_F
ClientSampleId :
D-1(0-5)DL



Tgt Ion:252 Resp: 19375
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 11.5 8.5 12.7

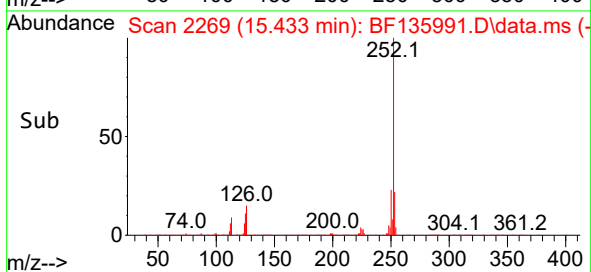
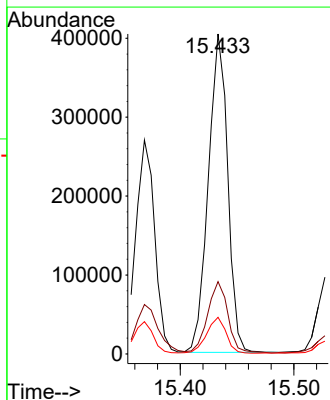
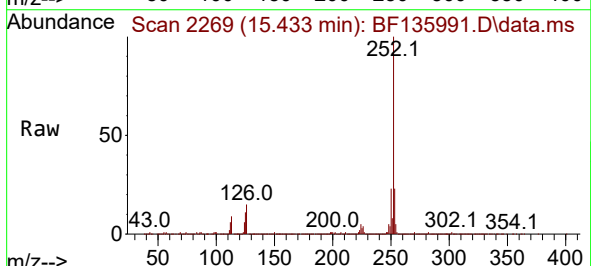
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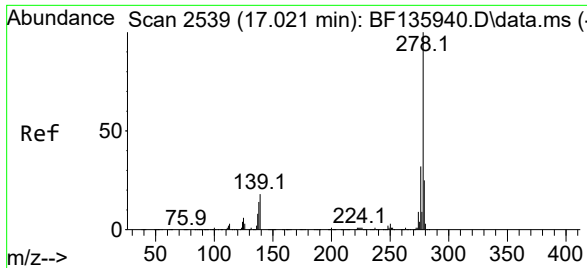
Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#90
Benzo(a)pyrene
Concen: 24.929 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

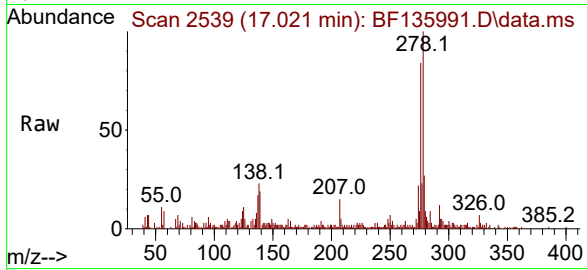
Tgt Ion:252 Resp: 477644
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 11.4 9.6 14.4





#91
Dibenzo(a,h)anthracene
Concen: 2.877 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.000 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34

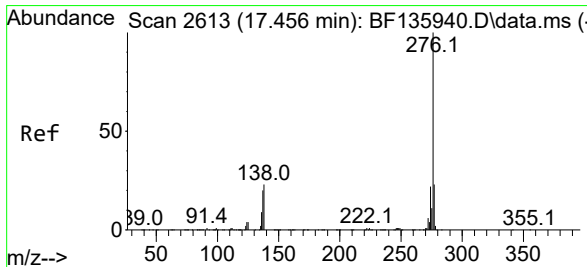
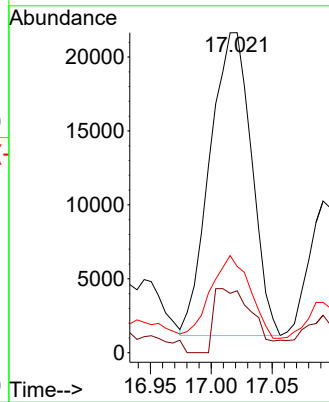
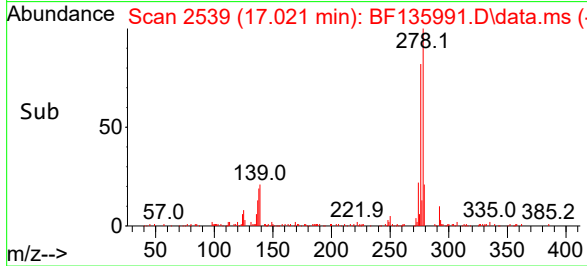
Instrument :
BNA_F
ClientSampleId :
D-1(0-5)DL



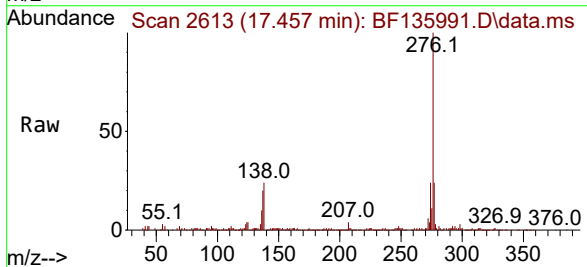
Tgt Ion:278 Resp: 48740
Ion Ratio Lower Upper
278 100
139 19.3 14.0 21.0
279 27.0 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/28/2023
Supervised By :mohammad ahmed 10/28/2023



#92
Benzo(g,h,i)perylene
Concen: 11.619 ng
RT: 17.457 min Scan# 2613
Delta R.T. 0.001 min
Lab File: BF135991.D
Acq: 27 Oct 2023 18:34



Tgt Ion:276 Resp: 164299
Ion Ratio Lower Upper
276 100
277 23.7 18.6 28.0
138 24.0 18.4 27.6

