

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
 Data File : BF135637.D
 Acq On : 06 Oct 2023 19:29
 Operator : CG\JU
 Sample : 04733-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20231004-WC1

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Oct 07 01:51:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							10/08/2023
1) 1,4-Dichlorobenzene-d4	6.740	152	131250	20.000	ng	0.00	Supervised By :mohammad Ahmed
21) Naphthalene-d8	8.016	136	477064	20.000	ng	# 0.00	
39) Acenaphthene-d10	9.775	164	204602	20.000	ng	0.00	
64) Phenanthrene-d10	11.269	188	321953	20.000	ng	0.00	
76) Chrysene-d12	13.927	240	227355	20.000	ng	0.00	
86) Perylene-d12	15.398	264	192682	20.000	ng	0.01	10/08/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.381	112	864297	107.103	ng	0.01	
7) Phenol-d6	6.393	99	1065828	103.870	ng	0.00	
23) Nitrobenzene-d5	7.304	82	660009	75.164	ng	0.00	
42) 2,4,6-Tribromophenol	10.575	330	180797	88.920	ng	0.00	
45) 2-Fluorobiphenyl	9.098	172	997212	73.534	ng	0.00	
79) Terphenyl-d14	12.863	244	763937	52.088	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.040	128	26499	1.143	ng	#	92
37) 2-Methylnaphthalene	8.734	142	30669	1.968	ng		98
38) 1-Methylnaphthalene	8.834	142	21156	1.450	ng		87
52) Acenaphthene	9.810	154	12288	1.097	ng		96
58) Fluorene	10.328	166	14956	1.138	ng	#	90
69) Atrazine	10.980	200	3161	1.205	ng		79
71) Phenanthrene	11.292	178	117148	7.693	ng		99
75) Fluoranthene	12.492	202	190206	11.988	ng		99
78) Pyrene	12.722	202	171974	7.945	ng		99
81) Benzo(a)anthracene	13.921	228	90027	6.132	ng		99
83) Chrysene	13.957	228	79959	5.478	ng		97
84) Bis(2-ethylhexyl)phtha...	13.904	149	11902	1.522	ng		97
87) Indeno(1,2,3-cd)pyrene	16.898	276	30189	2.390	ng		99
88) Benzo(b)fluoranthene	14.974	252	82753m	7.934	ng		
89) Benzo(k)fluoranthene	14.998	252	25240m	2.450	ng		
90) Benzo(a)pyrene	15.339	252	51888	5.216	ng	#	93
92) Benzo(g,h,i)perylene	17.345	276	31061	2.877	ng	#	90

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

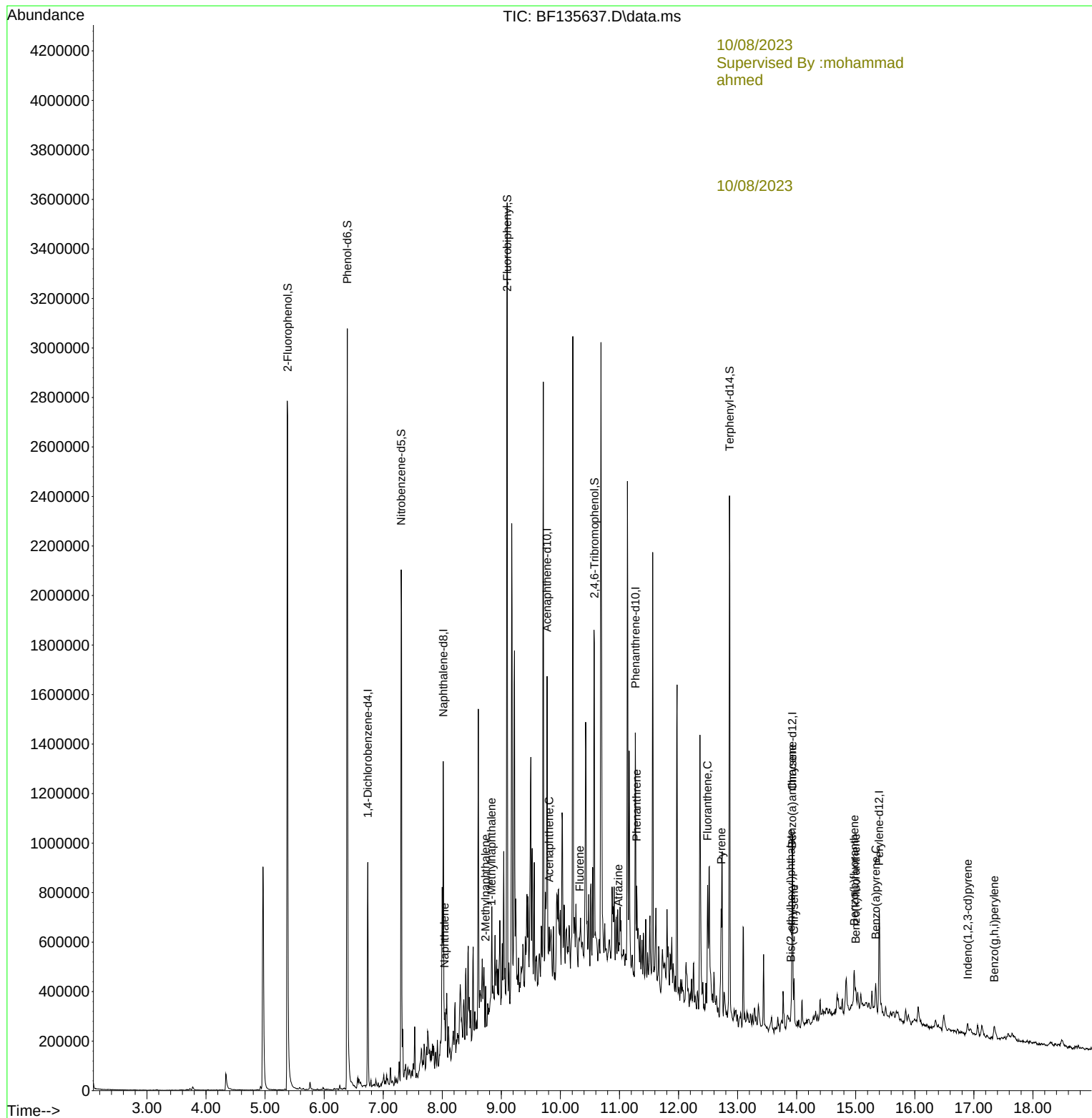
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135637.D
Acq On : 06 Oct 2023 19:29
Operator : CG\JU
Sample : 04733-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

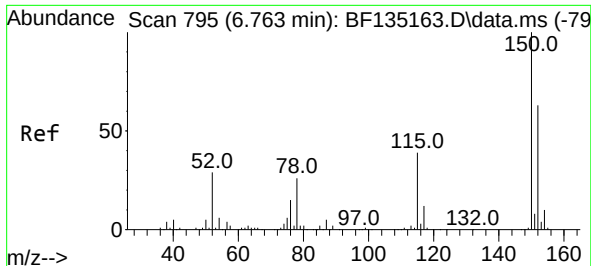
Instrument :
BNA_F
ClientSampleId :
20231004-WC1

Quant Time: Oct 07 01:51:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

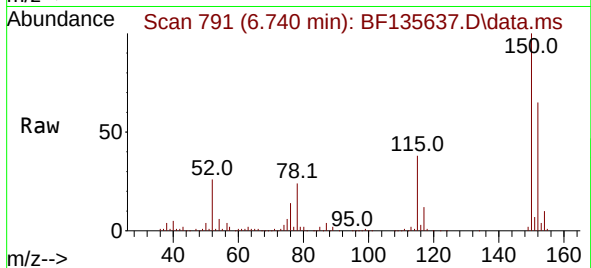
Reviewed By :Yogesh
Patel





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

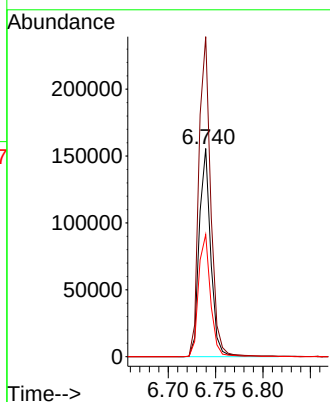
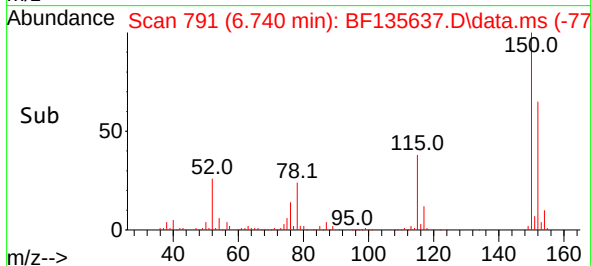
Instrument :
BNA_F
ClientSampleId :
20231004-WC1



Tgt Ion:152 Resp: 131250
Ion Ratio Lower Upper
152 100
150 153.7 127.8 191.6
115 58.6 49.8 74.8

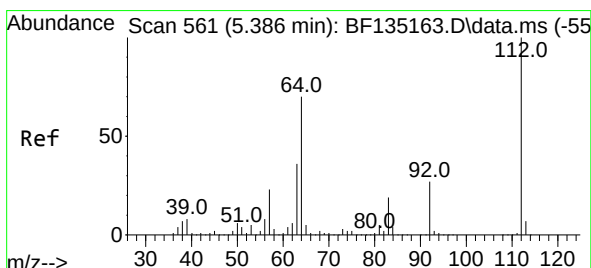
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



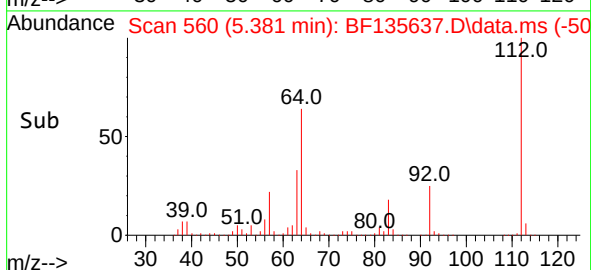
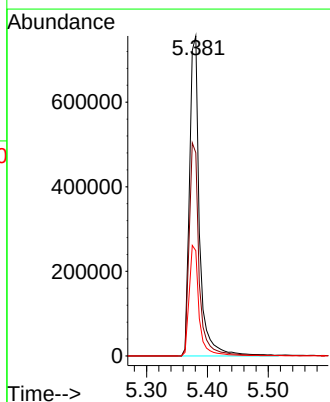
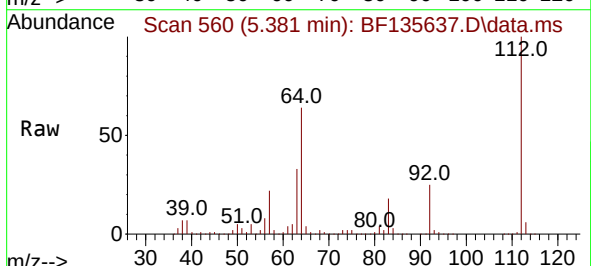
10/08/2023
Supervised By :mohammad
ahmed

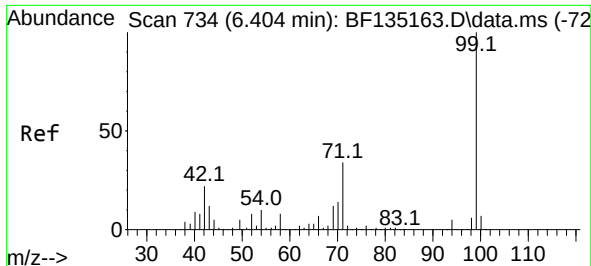
10/08/2023



#5
2-Fluorophenol
Concen: 107.103 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

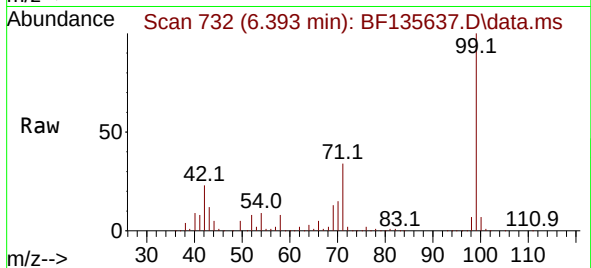
Tgt Ion:112 Resp: 864297
Ion Ratio Lower Upper
112 100
64 63.5 55.9 83.9
63 32.9 29.0 43.6





#7
Phenol-d6
Concen: 103.870 ng
RT: 6.393 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

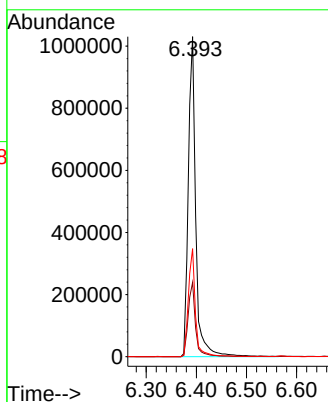
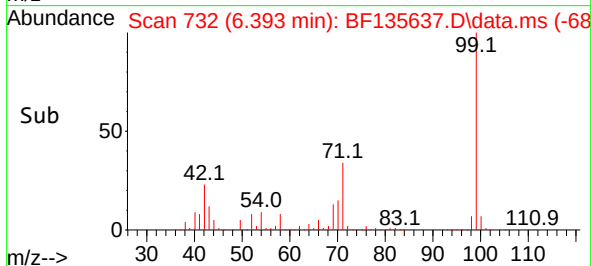
Instrument :
BNA_F
ClientSampleId :
20231004-WC1



Tgt Ion: 99 Resp: 1065828
Ion Ratio Lower Upper
99 100
42 23.2 17.9 26.9
71 33.8 27.0 40.6

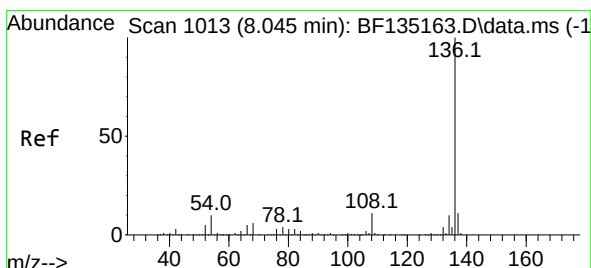
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



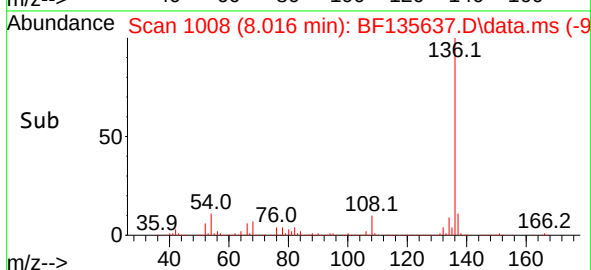
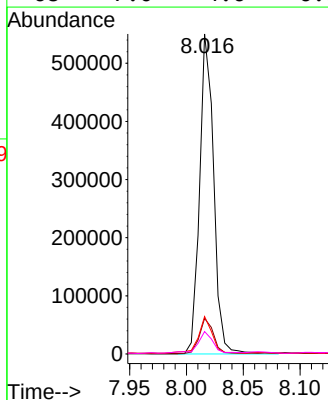
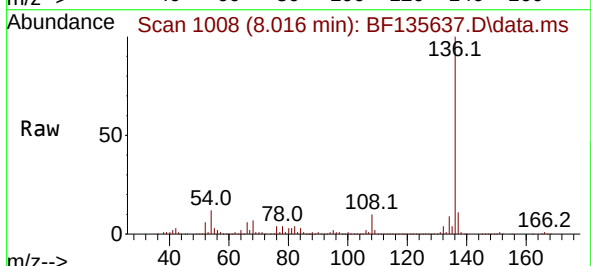
10/08/2023
Supervised By :mohammad
ahmed

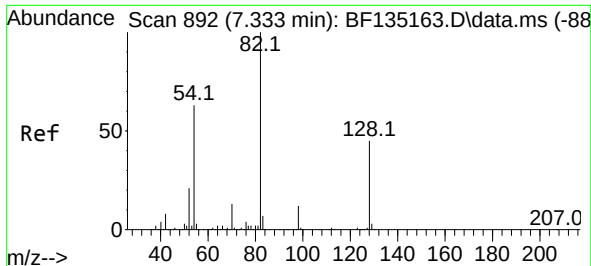
10/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

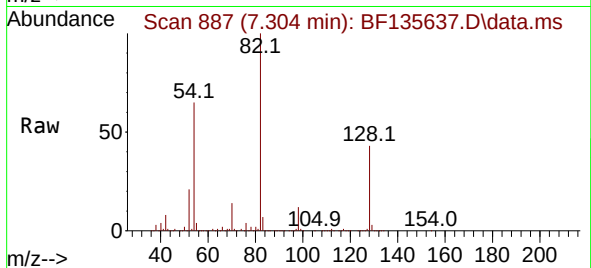
Tgt Ion:136 Resp: 477064
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 11.7 7.7 11.5#
68 7.0 4.6 6.8#





#23
Nitrobenzene-d5
Concen: 75.164 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

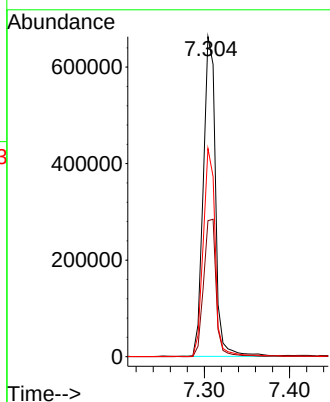
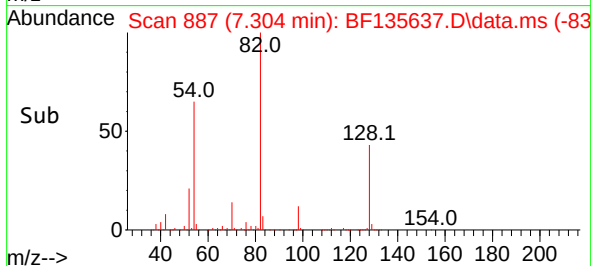
Instrument :
BNA_F
ClientSampleId :
20231004-WC1



Tgt Ion: 82 Resp: 660009
Ion Ratio Lower Upper
82 100
128 42.5 35.8 53.6
54 65.1 50.6 76.0

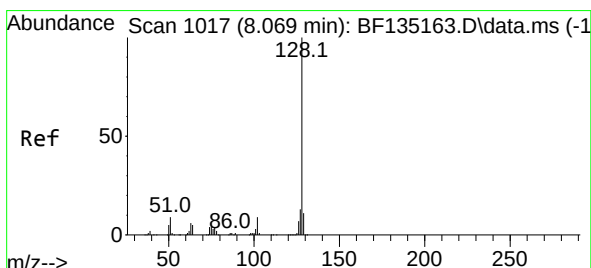
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



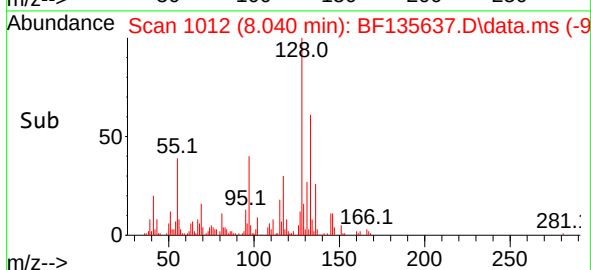
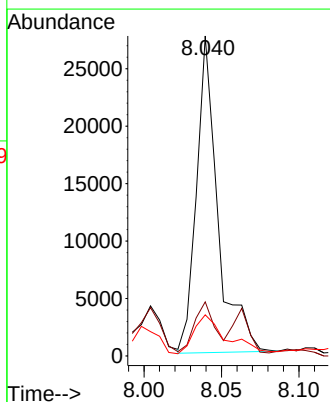
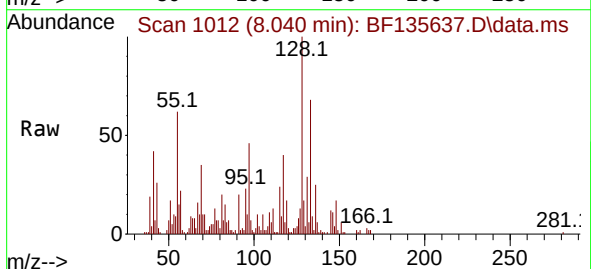
10/08/2023
Supervised By :mohammad
ahmed

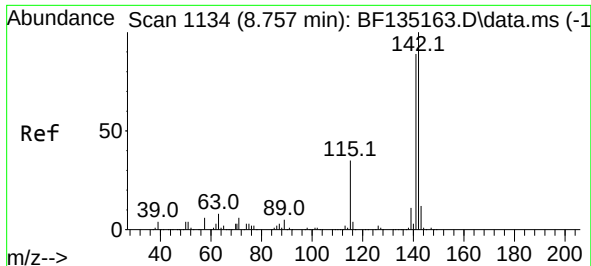
10/08/2023



#31
Naphthalene
Concen: 1.143 ng
RT: 8.040 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Tgt Ion:128 Resp: 26499
Ion Ratio Lower Upper
128 100
129 16.9 8.7 13.1#
127 12.9 10.7 16.1





#37

2-Methylnaphthalene

Concen: 1.968 ng

RT: 8.734 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

ClientSampleId :

20231004-WC1

Tgt Ion:142 Resp: 3066

Ion Ratio Lower Upper

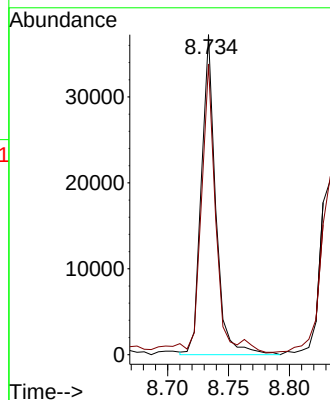
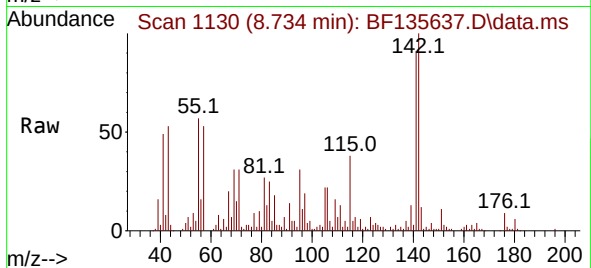
142 100

141 90.9 71.0 106.6

Manual Integrations

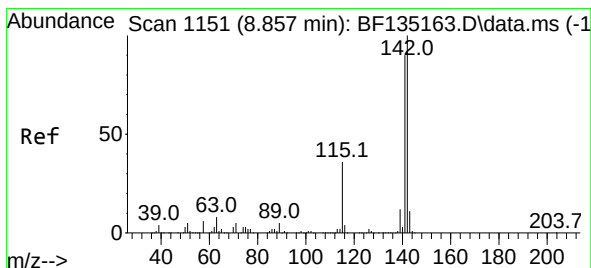
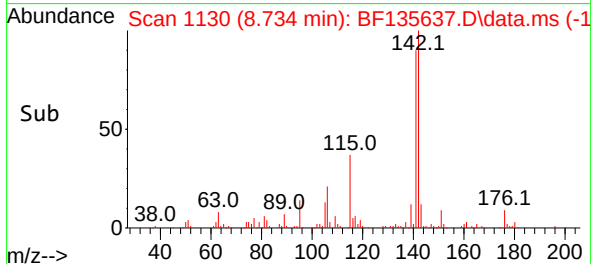
APPROVED

Reviewed By :Yogesh
Patel



10/08/2023
Supervised By :mohammad
ahmed

10/08/2023



#38

1-Methylnaphthalene

Concen: 1.450 ng

RT: 8.834 min Scan# 1147

Delta R.T. 0.006 min

Lab File: BF135637.D

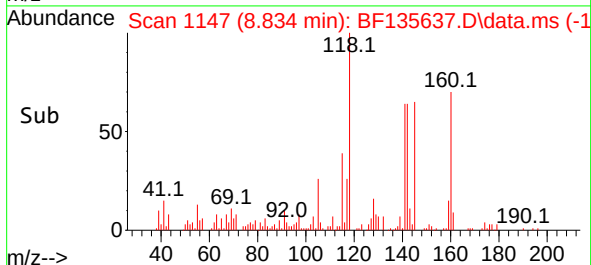
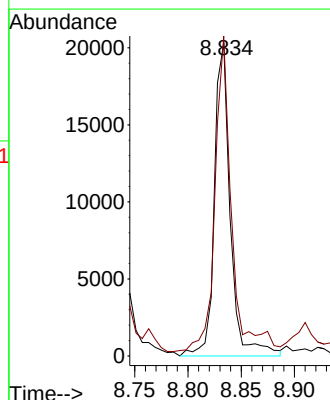
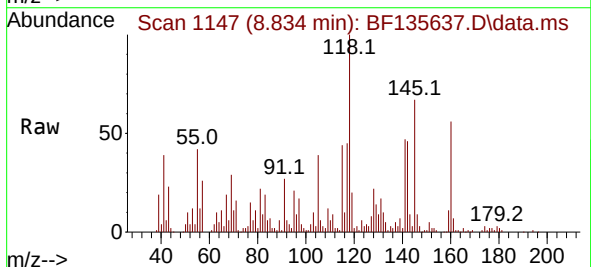
Acq: 06 Oct 2023 19:29

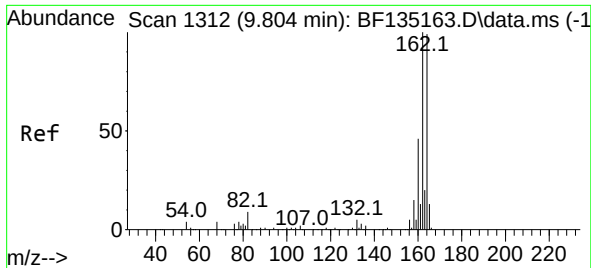
Tgt Ion:142 Resp: 21156

Ion Ratio Lower Upper

142 100

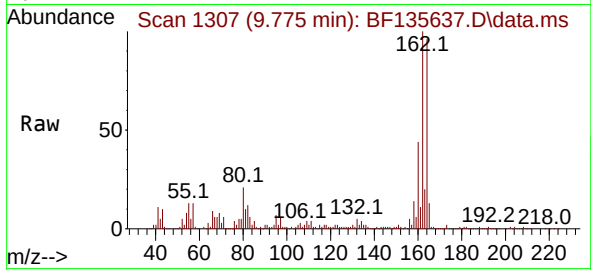
141 102.3 72.4 108.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

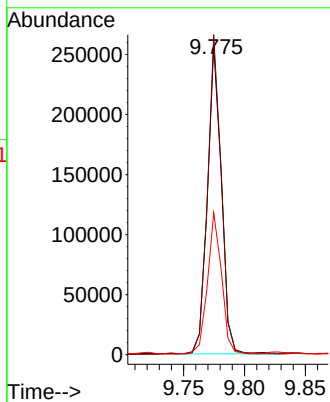
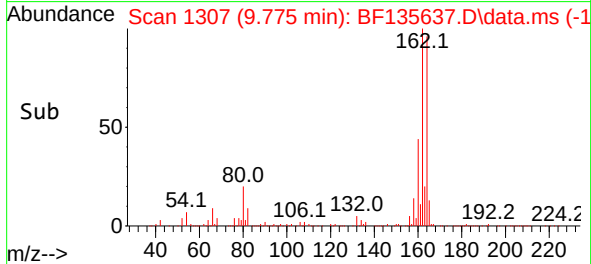
Instrument :
BNA_F
ClientSampleId :
20231004-WC1



Tgt Ion:164 Resp: 20460
Ion Ratio Lower Upper
164 100
162 103.7 81.0 121.4
160 46.0 37.0 55.4

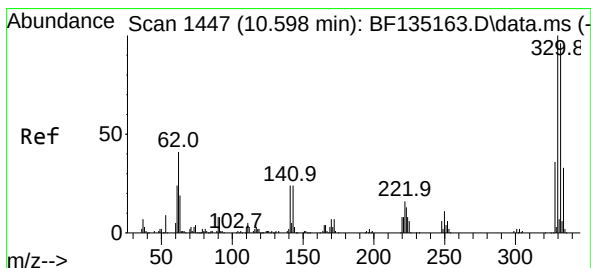
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

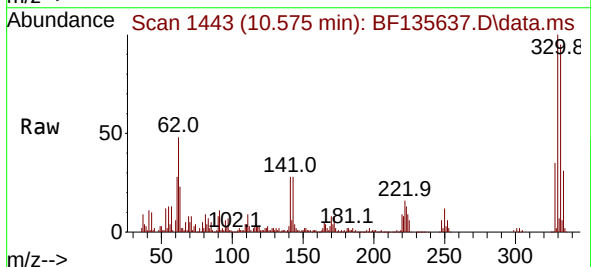


10/08/2023
Supervised By :mohammad
ahmed

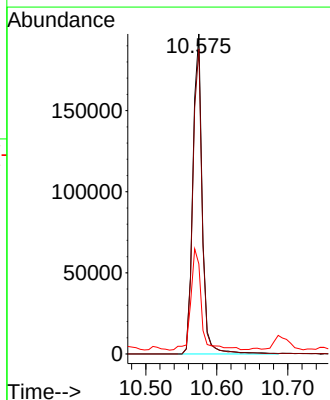
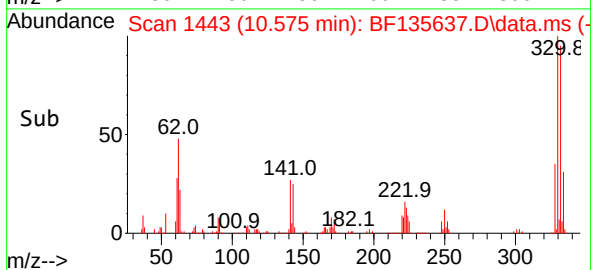
10/08/2023

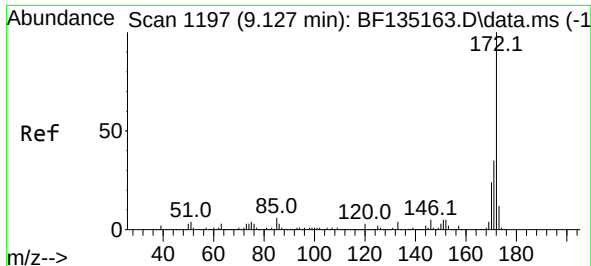


#42
2,4,6-Tribromophenol
Concen: 88.920 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29



Tgt Ion:330 Resp: 180797
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 35.6 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 73.534 ng

RT: 9.098 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

ClientSampleId :

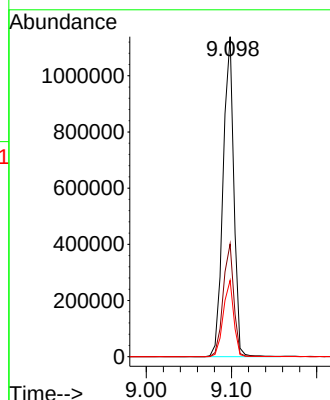
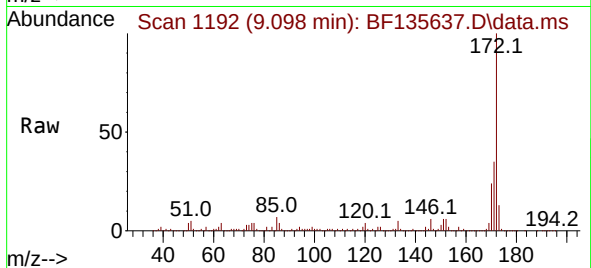
20231004-WC1

Tgt Ion:172 Resp: 99721

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.4	42.6
170	23.9	19.0	28.4

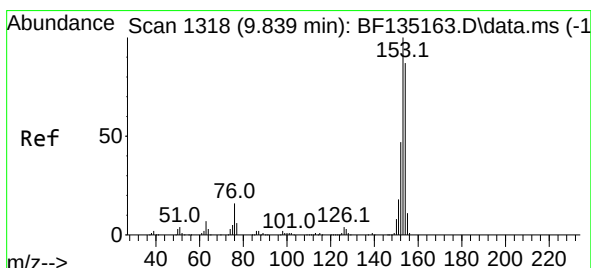
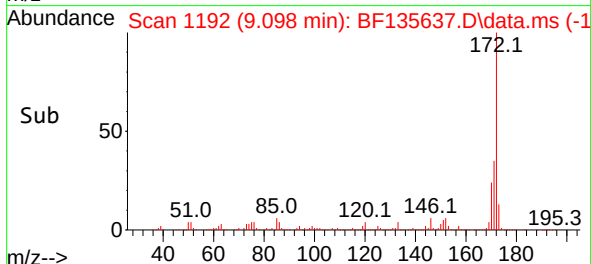
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



10/08/2023
Supervised By :mohammad
ahmed

10/08/2023



#52

Acenaphthene

Concen: 1.097 ng

RT: 9.810 min Scan# 1313

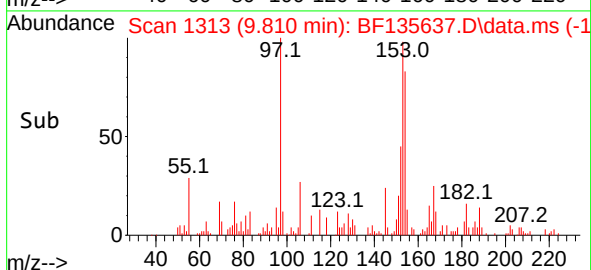
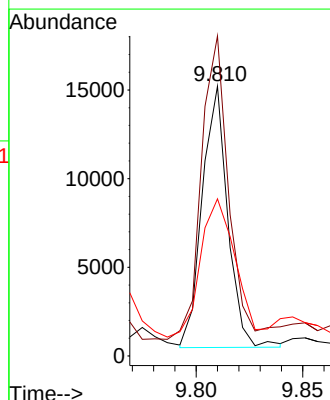
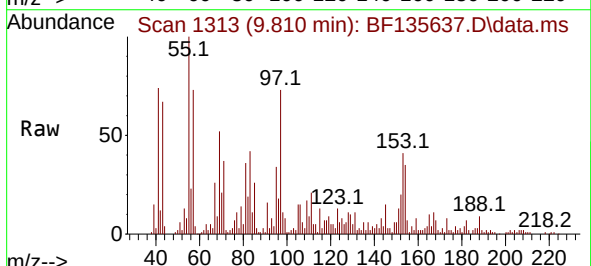
Delta R.T. 0.000 min

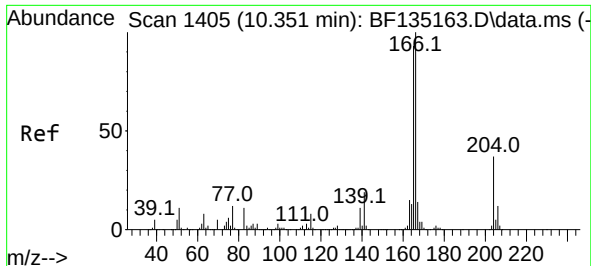
Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Tgt Ion:154 Resp: 12288

Ion	Ratio	Lower	Upper
154	100		
153	118.6	92.1	138.1
152	58.3	43.1	64.7





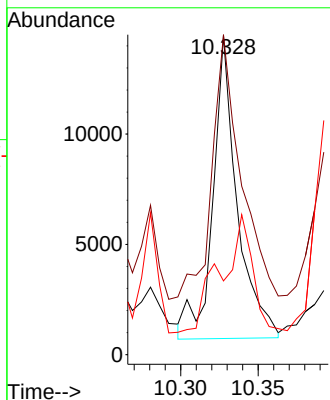
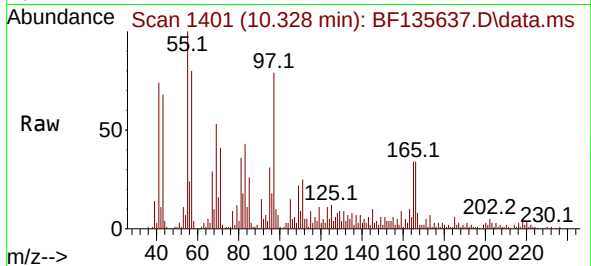
#58
Fluorene
Concen: 1.138 ng
RT: 10.328 min Scan# 1405
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Instrument :
BNA_F
ClientSampleId :
20231004-WC1

Tgt Ion:166 Resp: 14950
Ion Ratio Lower Upper
166 100
165 100.3 74.3 111.5
167 23.1 10.9 16.3

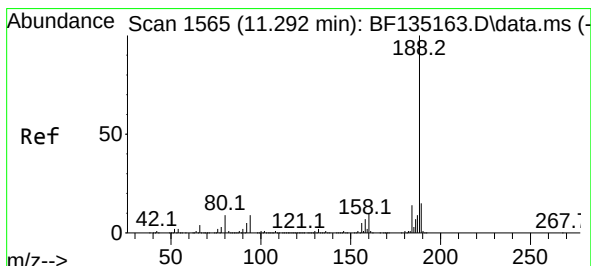
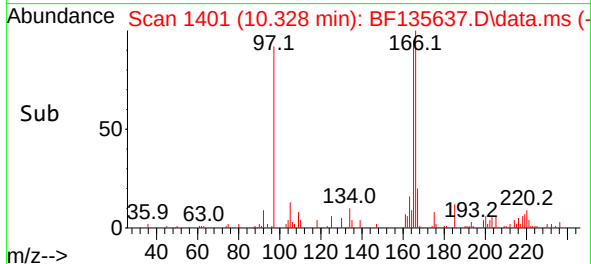
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



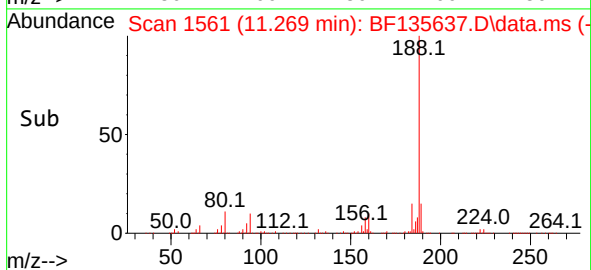
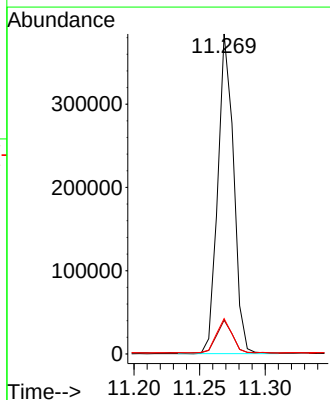
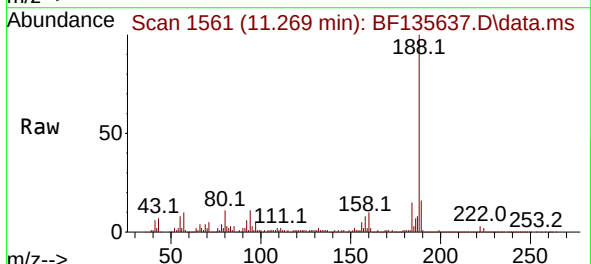
10/08/2023
Supervised By :mohammad
ahmed

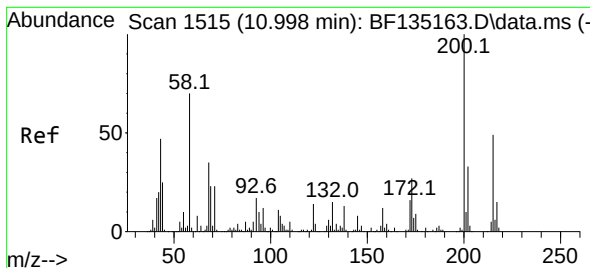
10/08/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Tgt Ion:188 Resp: 321953
Ion Ratio Lower Upper
188 100
94 10.5 7.0 10.6
80 11.0 7.5 11.3





#69

Atrazine

Concen: 1.205 ng

RT: 10.980 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

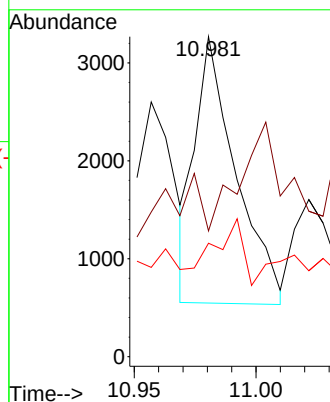
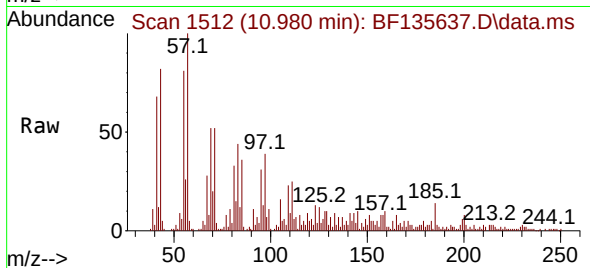
ClientSampleId :

20231004-WC1

Tgt Ion:200 Resp: 316
 Ion Ratio Lower Upper
 200 100
 173 39.3 7.4 47.4
 215 35.5 28.6 68.6

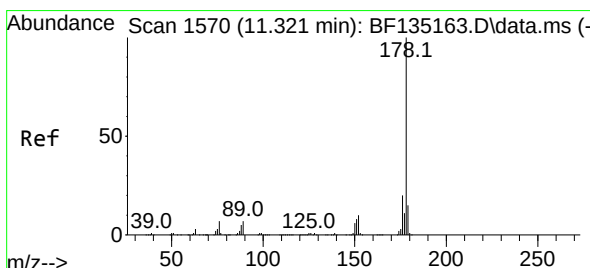
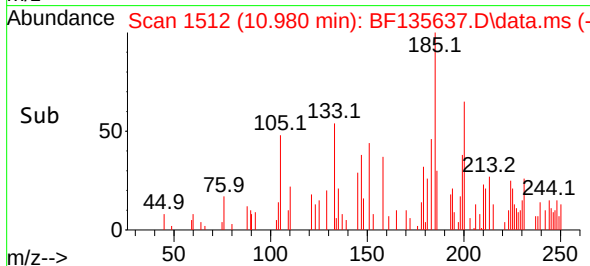
Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel



10/08/2023
 Supervised By :mohammad
 ahmed

10/08/2023



#71

Phenanthrene

Concen: 7.693 ng

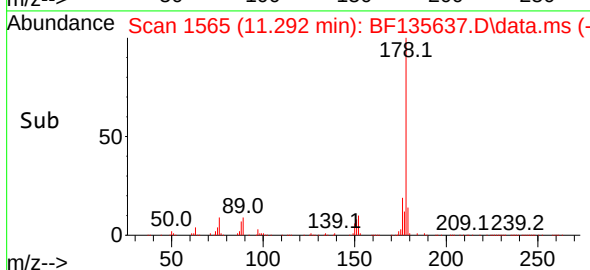
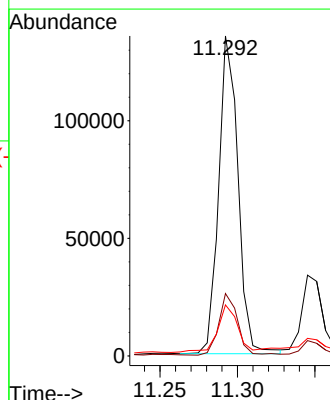
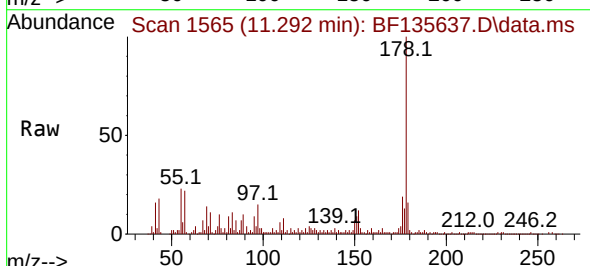
RT: 11.292 min Scan# 1565

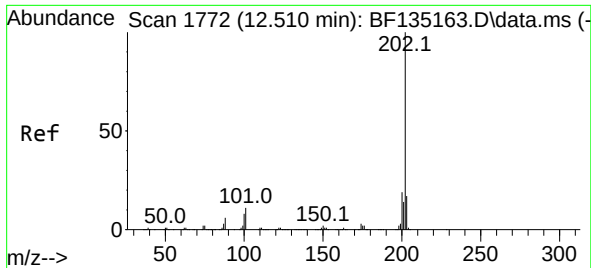
Delta R.T. 0.000 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

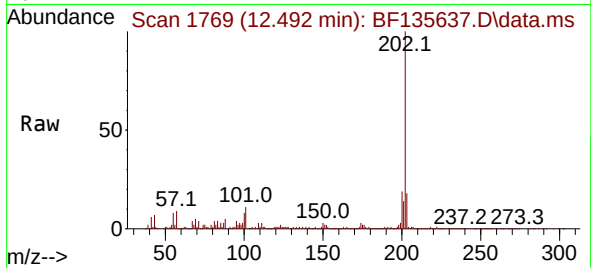
Tgt Ion:178 Resp: 117148
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.6 23.4
 179 16.0 12.0 18.0





#75
Fluoranthene
Concen: 11.988 ng
RT: 12.492 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

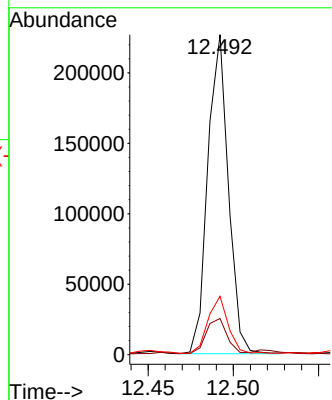
Instrument :
BNA_F
ClientSampleId :
20231004-WC1



Tgt Ion:202 Resp: 190200
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 18.3 0.0 37.4

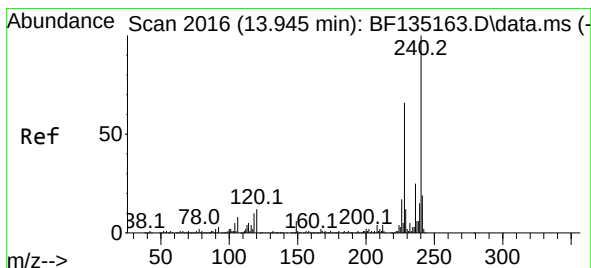
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

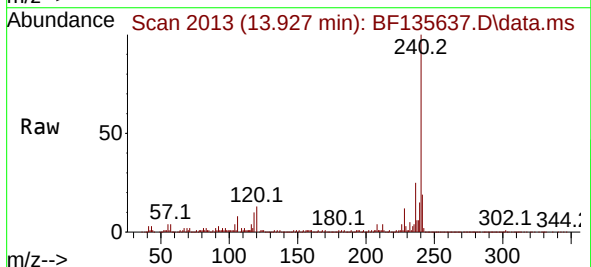


10/08/2023
Supervised By :mohammad
ahmed

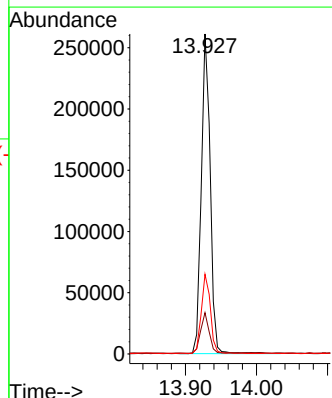
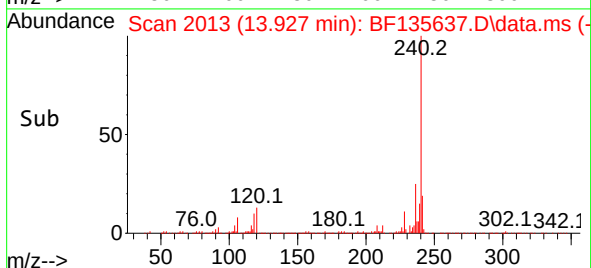
10/08/2023

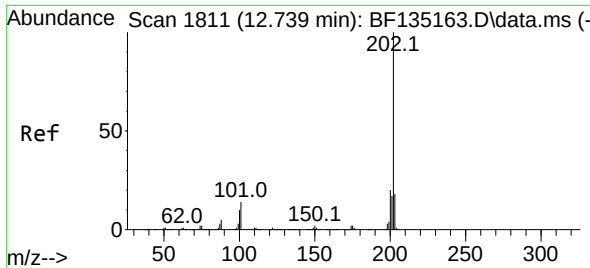


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29



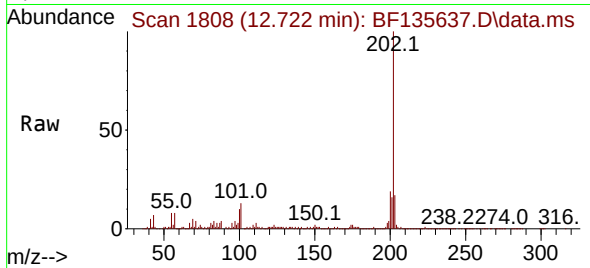
Tgt Ion:240 Resp: 227355
Ion Ratio Lower Upper
240 100
120 12.9 9.4 14.2
236 24.9 19.8 29.8





#78
Pyrene
Concen: 7.945 ng
RT: 12.722 min Scan# 1808
Delta R.T. 0.006 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

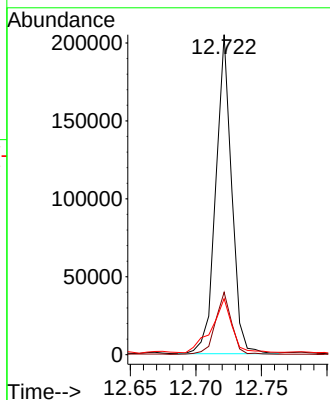
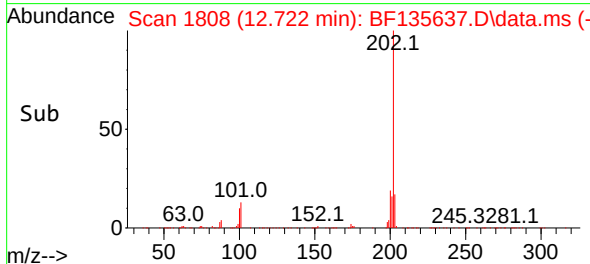
Instrument :
BNA_F
ClientSampleId :
20231004-WC1



Tgt Ion:202 Resp: 171974
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 17.5 14.2 21.4

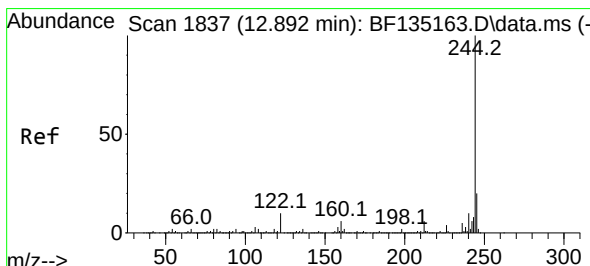
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

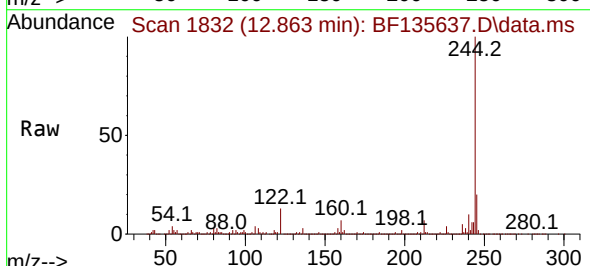


10/08/2023
Supervised By :mohammad
ahmed

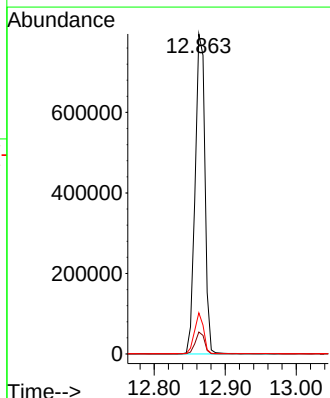
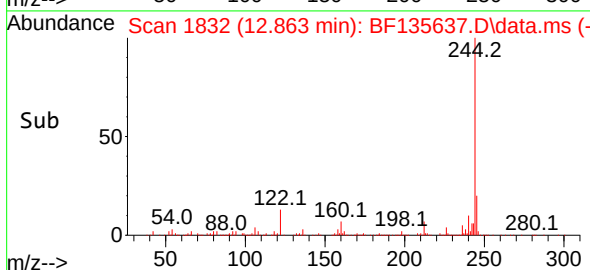
10/08/2023

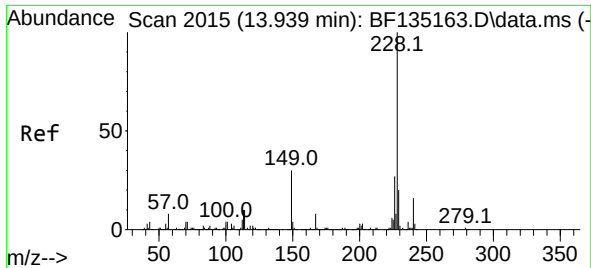


#79
Terphenyl-d14
Concen: 52.088 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29



Tgt Ion:244 Resp: 763937
Ion Ratio Lower Upper
244 100
212 6.8 5.1 7.7
122 12.9 7.9 11.9#





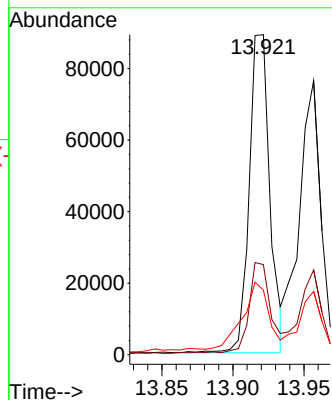
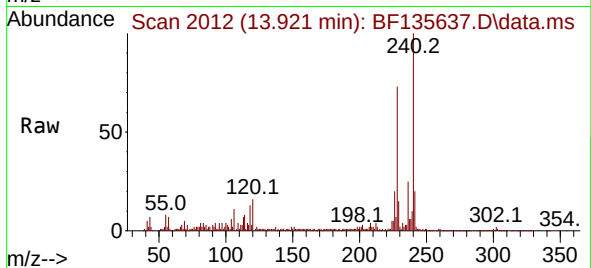
#81
Benzo(a)anthracene
Concen: 6.132 ng
RT: 13.921 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Instrument :
BNA_F
ClientSampleId :
20231004-WC1

Tgt Ion:228 Resp: 9002
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 20.1 15.8 23.8

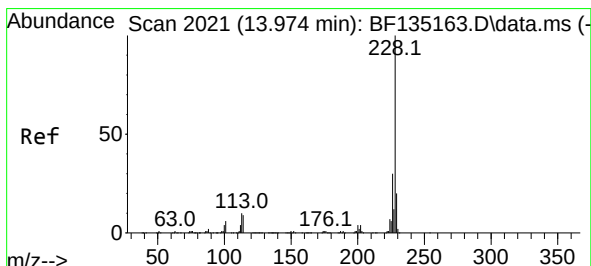
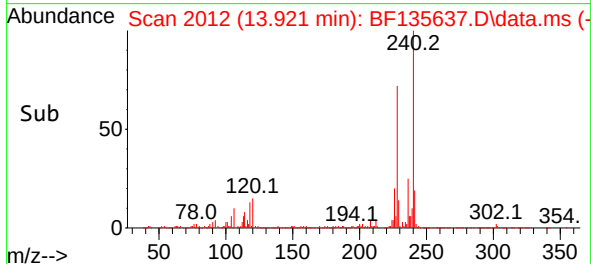
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



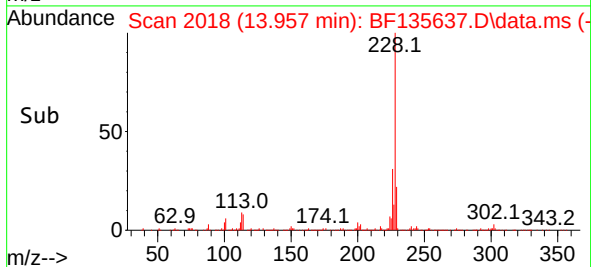
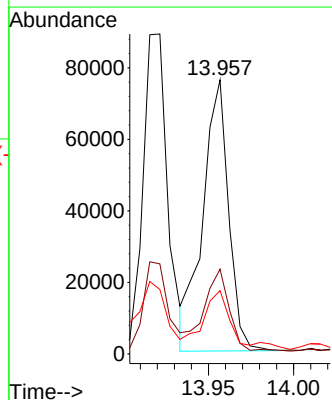
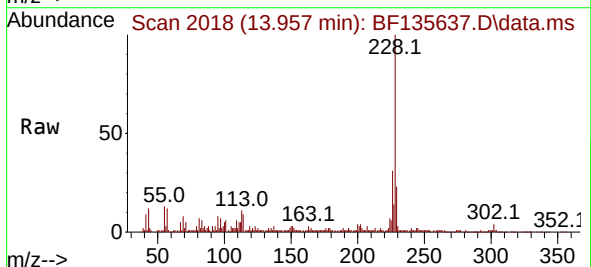
10/08/2023
Supervised By :mohammad
ahmed

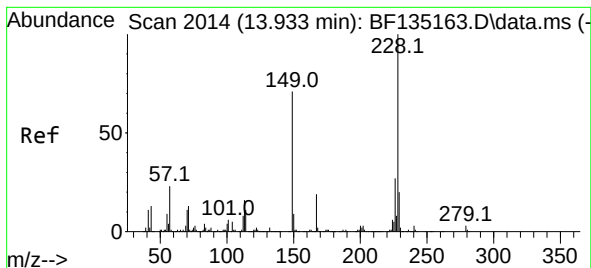
10/08/2023



#83
Chrysene
Concen: 5.478 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

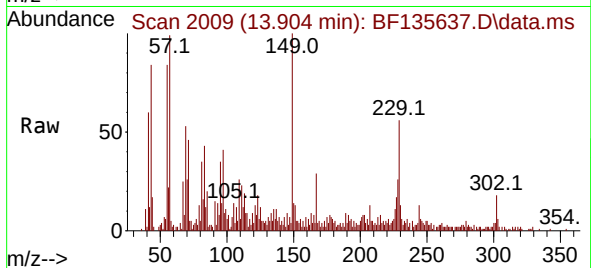
Tgt Ion:228 Resp: 79959
Ion Ratio Lower Upper
228 100
226 31.0 24.3 36.5
229 23.1 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 1.522 ng
RT: 13.904 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

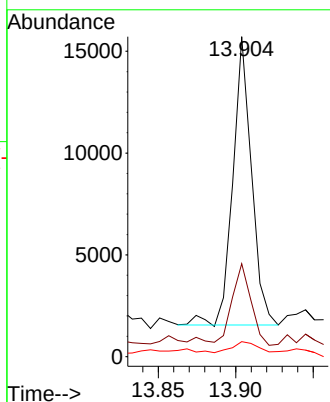
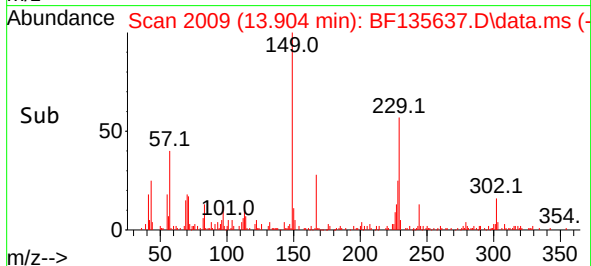
Instrument :
BNA_F
ClientSampleId :
20231004-WC1



Tgt Ion:149 Resp: 1190
Ion Ratio Lower Upper
149 100
167 29.0 21.9 32.9
279 4.7 3.3 4.9

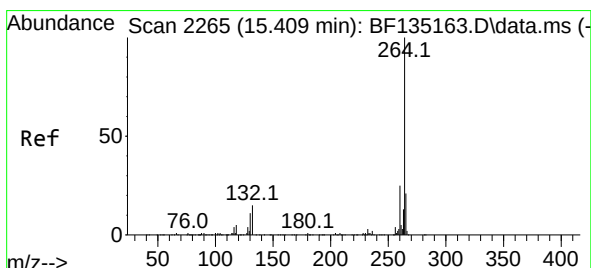
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



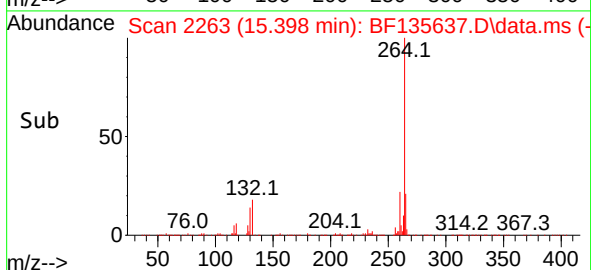
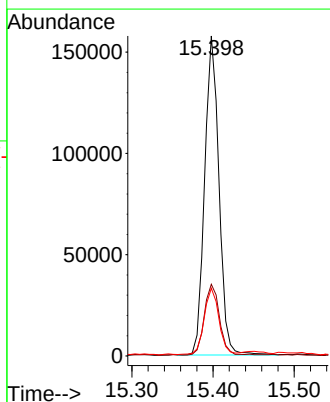
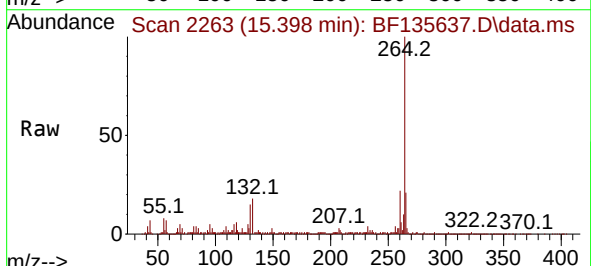
10/08/2023
Supervised By :mohammad
ahmed

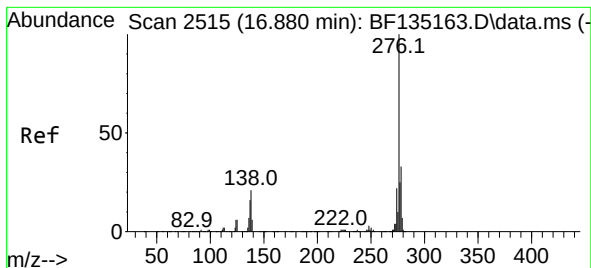
10/08/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 2263
Delta R.T. 0.012 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

Tgt Ion:264 Resp: 192682
Ion Ratio Lower Upper
264 100
260 22.4 19.8 29.6
265 21.2 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.390 ng

RT: 16.898 min Scan# 2118

Delta R.T. 0.030 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

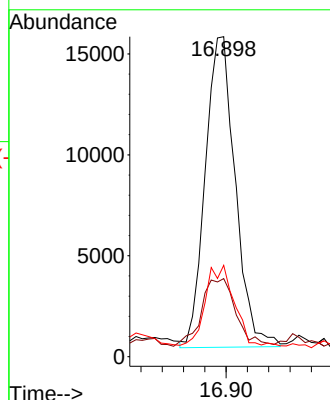
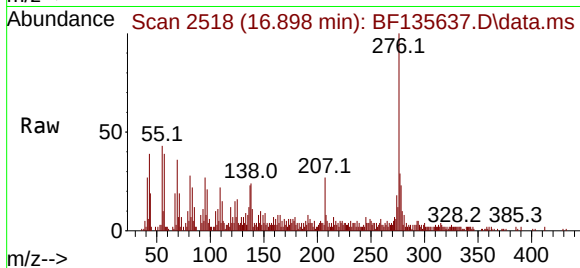
ClientSampleId :

20231004-WC1

Tgt Ion:	276	Resp:	30189
Ion Ratio	Lower	Upper	
276	100		
138	25.0	19.2	28.8
277	24.7	19.7	29.5

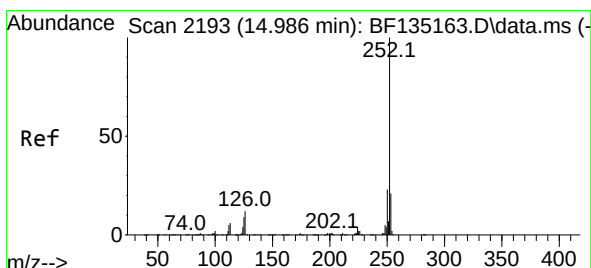
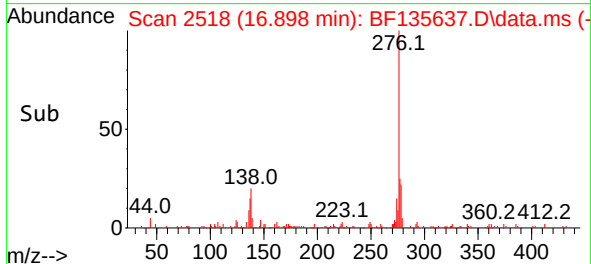
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



10/08/2023
Supervised By :mohammad
ahmed

10/08/2023



#88

Benzo(b)fluoranthene

Concen: 7.934 ng m

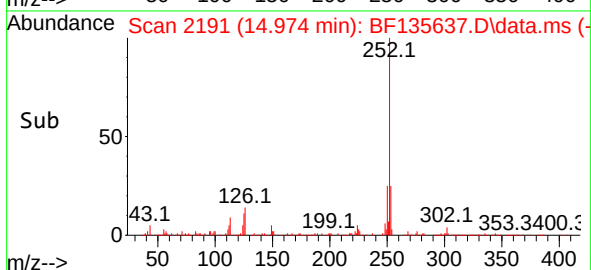
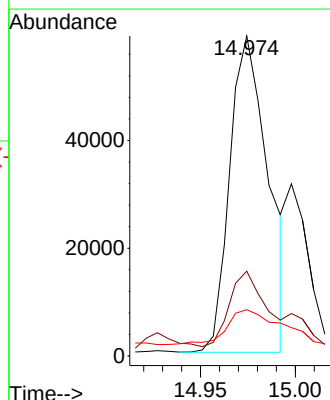
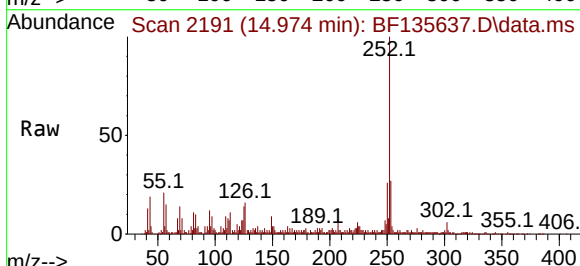
RT: 14.974 min Scan# 2191

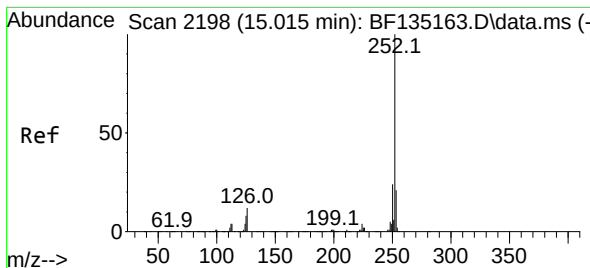
Delta R.T. 0.012 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Tgt Ion:	252	Resp:	82753
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.2	25.8#
125	14.5	7.1	10.7#





#89

Benzo(k)fluoranthene

Concen: 2.450 ng m

RT: 14.998 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Instrument :

BNA_F

ClientSampleId :

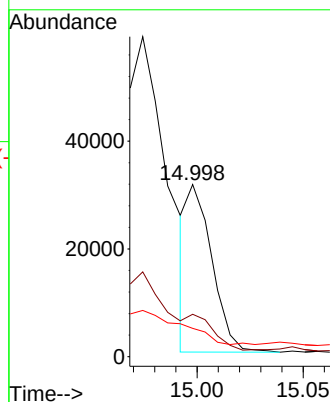
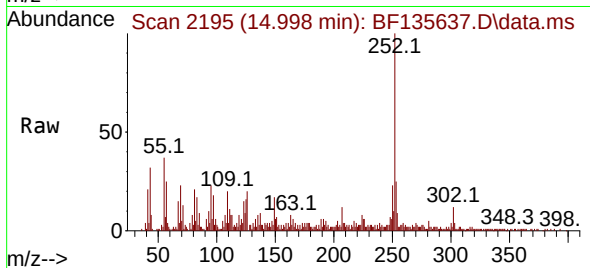
20231004-WC1

Tgt Ion:252 Resp: 25240

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.0
125	16.4	7.2	10.8

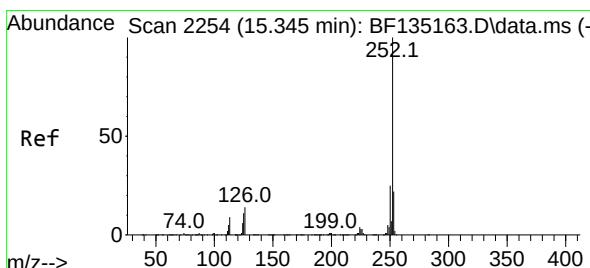
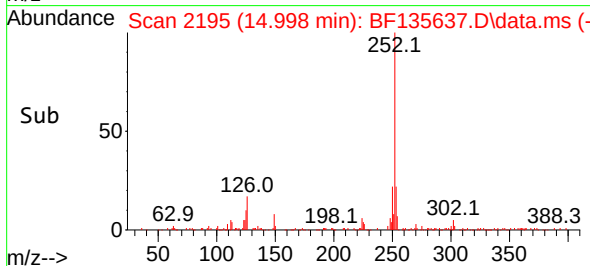
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



10/08/2023
Supervised By :mohammad
ahmed

10/08/2023



#90

Benzo(a)pyrene

Concen: 5.216 ng

RT: 15.339 min Scan# 2253

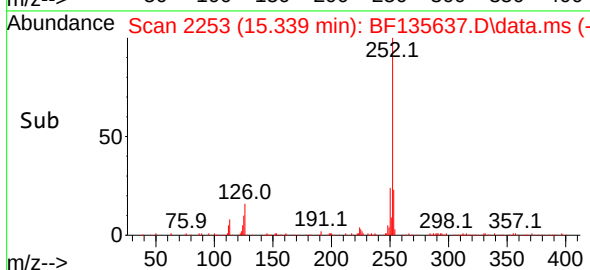
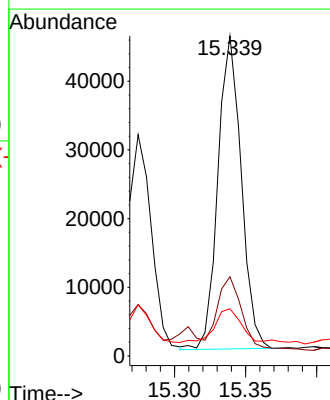
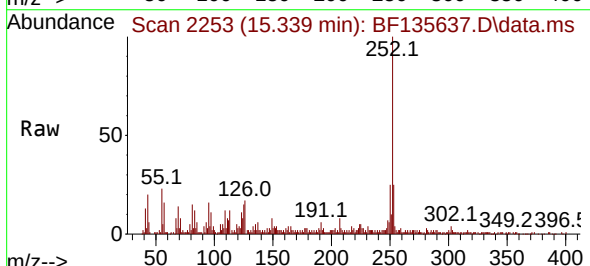
Delta R.T. 0.012 min

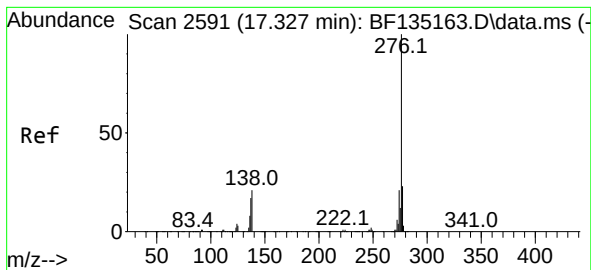
Lab File: BF135637.D

Acq: 06 Oct 2023 19:29

Tgt Ion:252 Resp: 51888

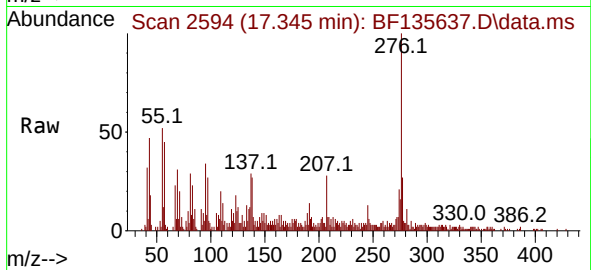
Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	14.7	9.2	13.8





#92
Benzo(g,h,i)perylene
Concen: 2.877 ng
RT: 17.345 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF135637.D
Acq: 06 Oct 2023 19:29

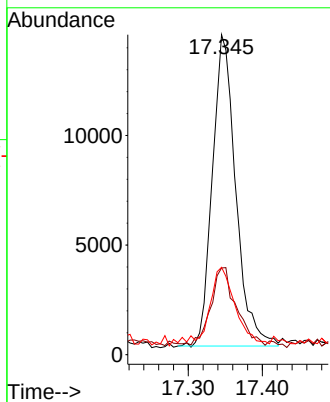
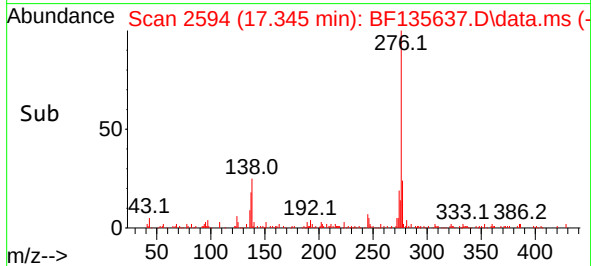
Instrument :
BNA_F
ClientSampleId :
20231004-WC1



Tgt Ion:276 Resp: 3106
Ion Ratio Lower Upper
276 100
277 27.1 18.8 28.2
138 27.3 16.9 25.3

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



10/08/2023
Supervised By :mohammad
ahmed

10/08/2023