

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
 Data File : BP003220.D
 Acq On : 04 Sep 2020 20:07
 Operator : CG/JU
 Sample : L3894-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 AL-FALAH-1

Quant Time: Sep 05 00:58:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	302770	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	1189388	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	671168	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1199470	20.00	ng	0.00
76) Chrysene-d12	21.15	240	907650	20.00	ng	0.00
86) Perylene-d12	23.38	264	1030362	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	306425	17.89	ng	0.00
7) Phenol-d6	6.84	99	373268	17.39	ng	0.00
23) Nitrobenzene-d5	8.80	82	217795	13.20	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	125737	13.85	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	628495	13.71	ng	0.00
79) Terphenyl-d14	19.62	244	586182	14.21	ng	0.00

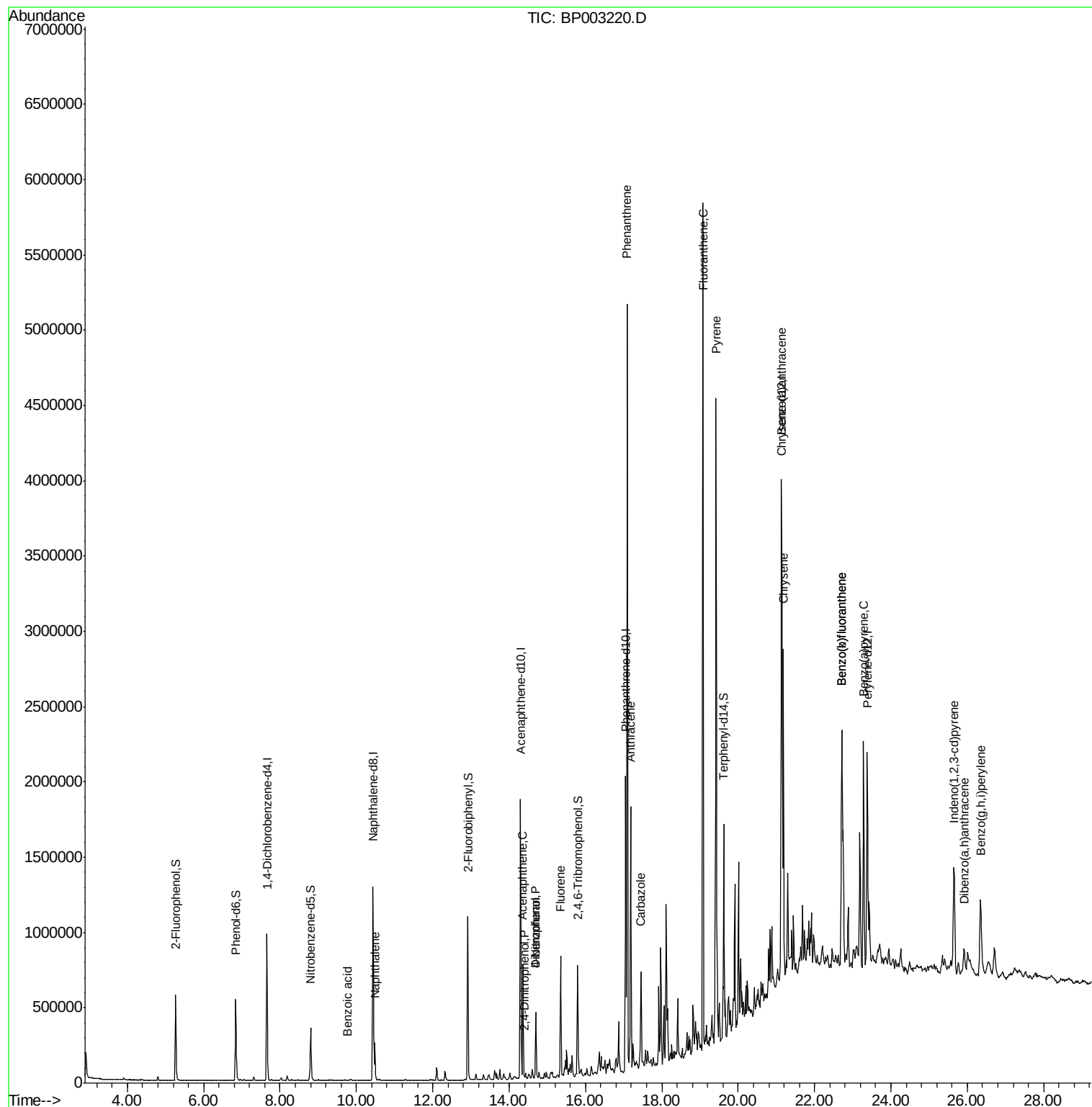
Target Compounds				Qvalue		
31) Naphthalene	10.48	128	216728	3.547	ng	99
32) Benzoic acid	9.78	122	98	9.004	ng	# 54
52) Acenaphthene	14.36	154	281547	7.355	ng	99
54) 2,4-Dinitrophenol	14.40	184	38	7.761	ng	# 1
55) Dibenzofuran	14.70	168	281946	4.690	ng	99
56) 4-Nitrophenol	14.70	139	103402	11.926	ng	# 20
58) Fluorene	15.35	166	360949	7.794	ng	99
71) Phenanthrene	17.09	178	3271914	50.341	ng	99
72) Anthracene	17.19	178	1158535	18.625	ng	99
73) Carbazole	17.45	167	440746	7.383	ng	99
75) Fluoranthene	19.07	202	3347930	44.568	ng	100
78) Pyrene	19.42	202	2730119	46.345	ng	99
81) Benzo(a)anthracene	21.13	228	1375862	24.200	ng	99
83) Chrysene	21.18	228	1140279	20.947	ng	97
87) Indeno(1,2,3-cd)pyrene	25.66	276	679227	8.840	ng	96
88) Benzo(b)fluoranthene	22.71	252	1486953	23.219	ng	98
89) Benzo(k)fluoranthene	22.71	252	1486953	24.302	ng	99
90) Benzo(a)pyrene	23.28	252	1155421	19.448	ng	98
91) Dibenzo(a,h)anthracene	25.92	278	166017	2.630	ng	95
92) Benzo(a,h,i)perylene	26.34	276	612848	9.675	ng	99

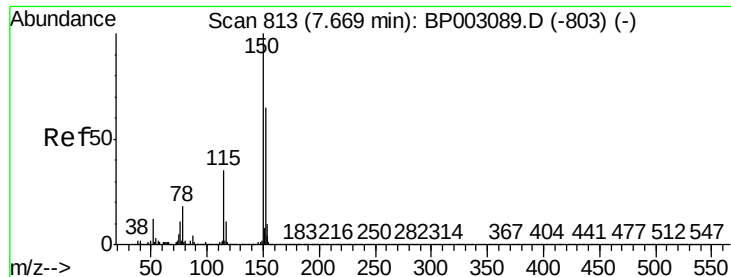
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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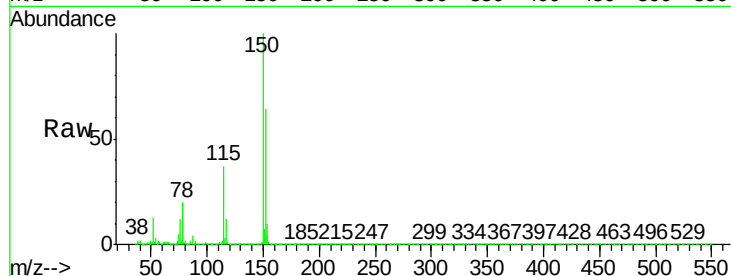


#1

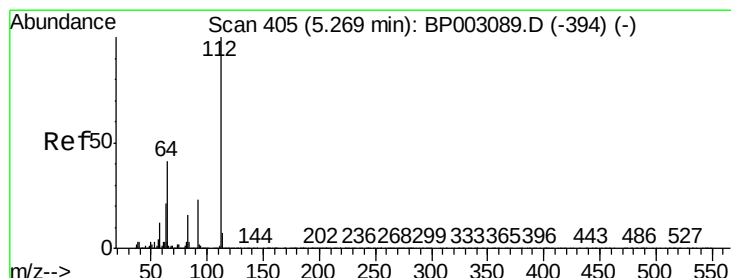
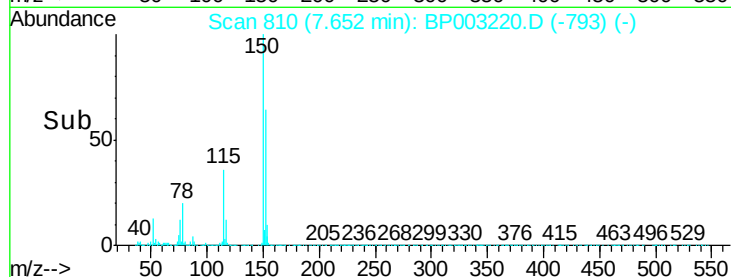
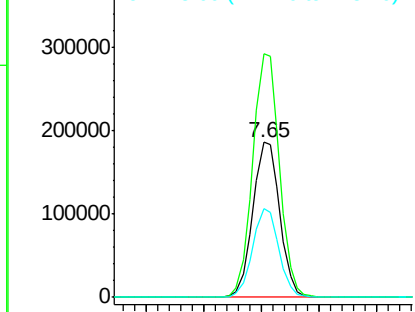
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.8	185.6
115	57.4	43.8	65.6



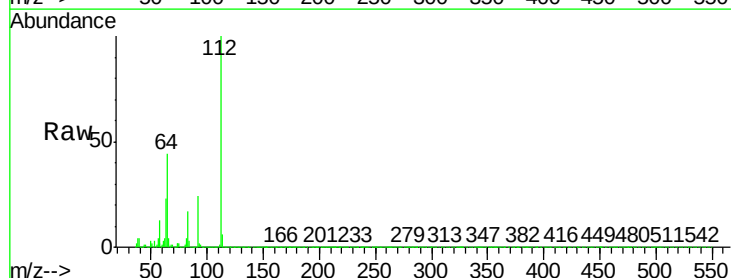
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



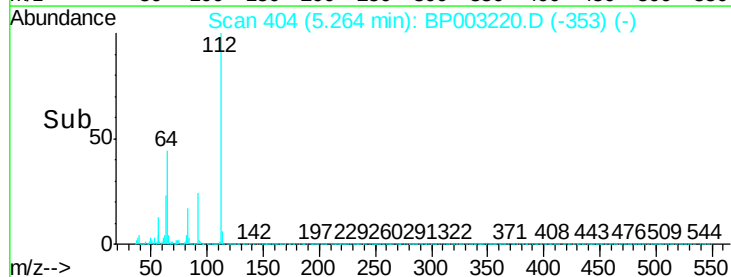
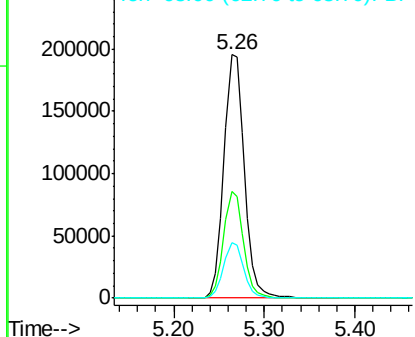
#5

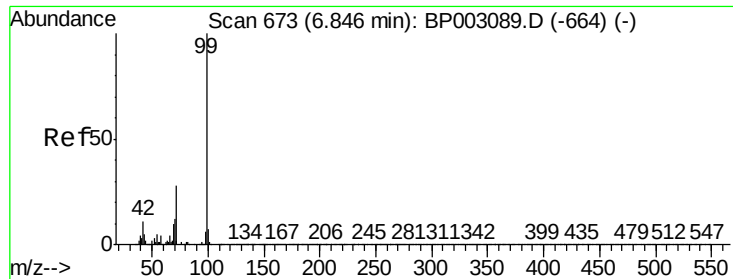
2-Fluorophenol
Concen: 17.894 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.9	32.8	49.2
63	22.9	17.0	25.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 17.388 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Instrument :

BNA_P

ClientSampleId :

AL-FALAH-1

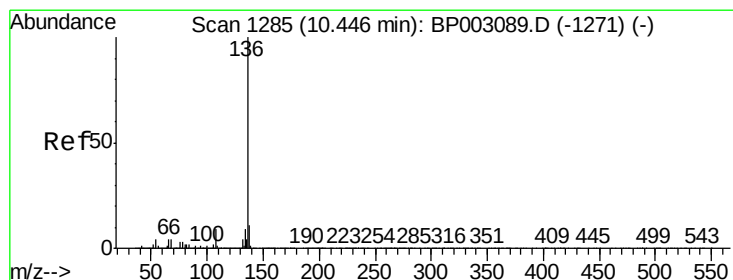
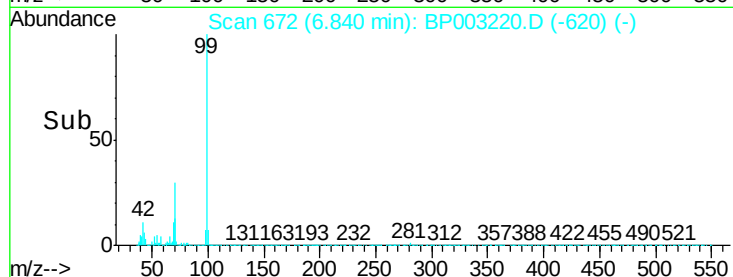
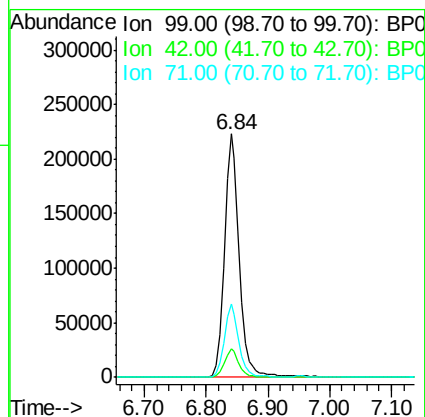
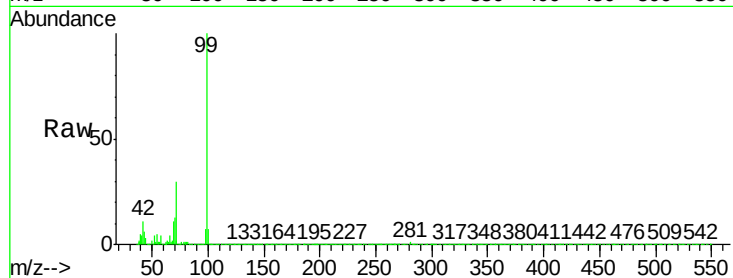
Tot Ion: 99 Resp: 373268

Ion Ratio Lower Upper

99 100

42 11.5 8.6 13.0

71 30.1 23.4 35.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1283

Delta R.T. -0.00 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Tgt Ion: 136 Resp: 1189388

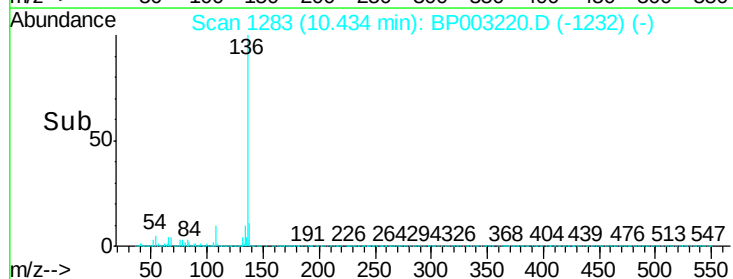
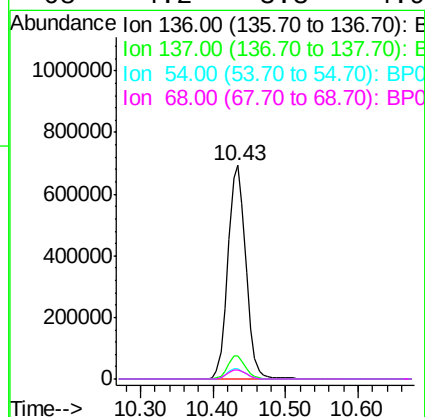
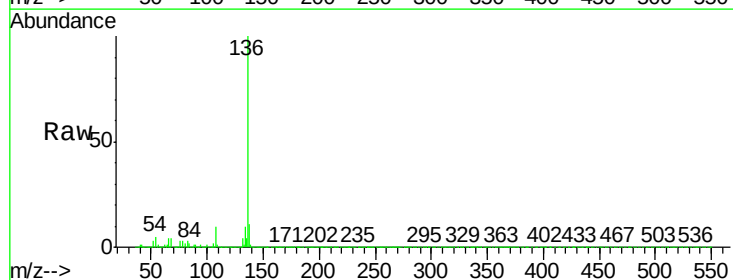
Ion Ratio Lower Upper

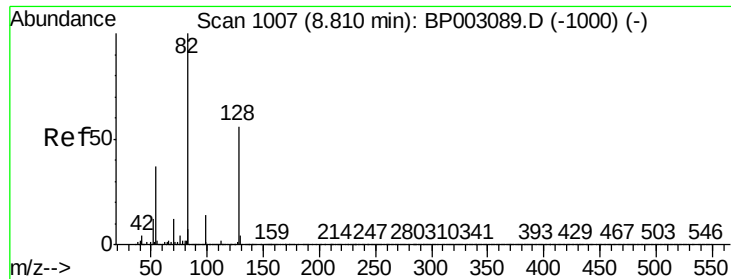
136 100

137 11.1 8.6 13.0

54 4.7 3.6 5.4

68 4.2 3.3 4.9

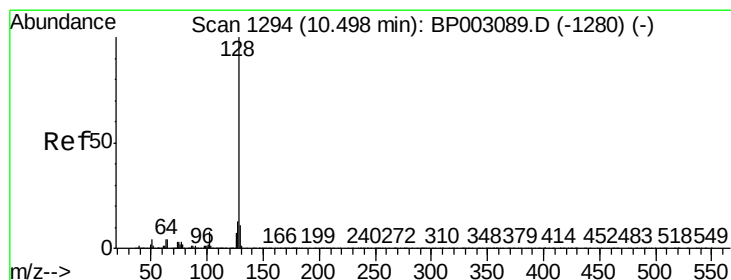
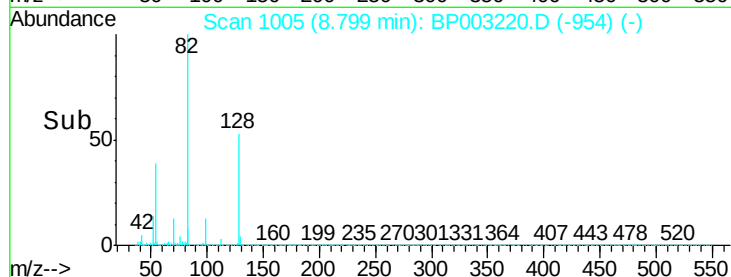
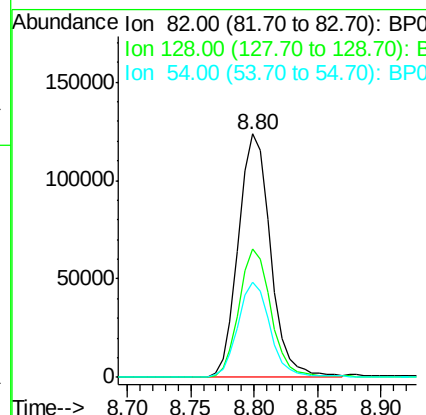
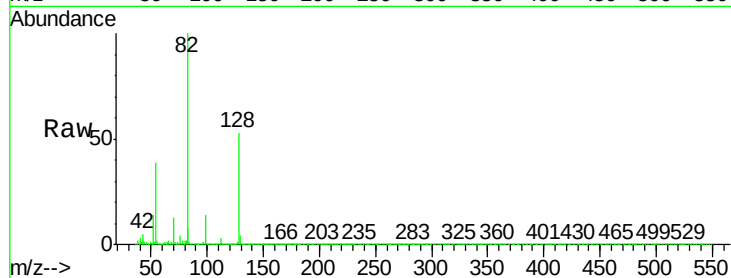




#23
 Nitrobenzene-d5
 Concen: 13.201 ng
 RT: 8.80 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BP003220.D
 Acq: 04 Sep 2020 20:07

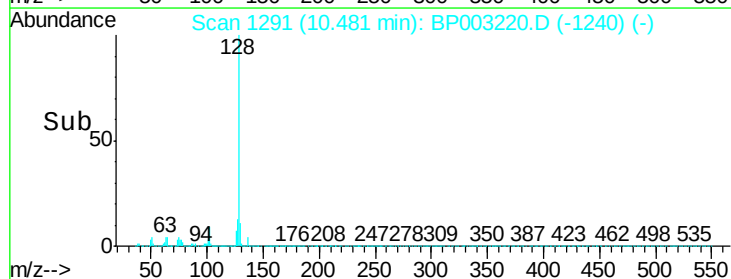
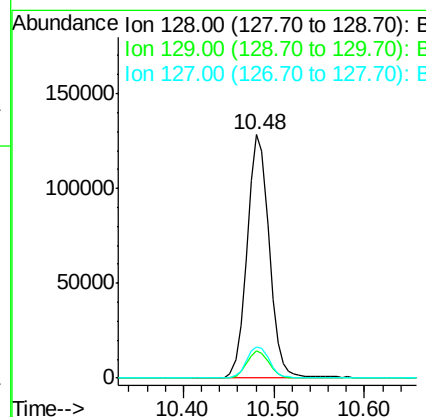
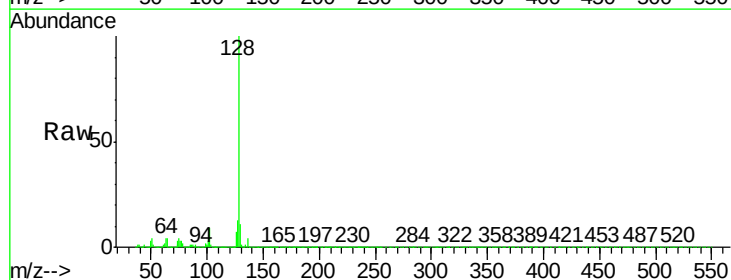
Instrument :
 BNA_P
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 AL-FALAH-1

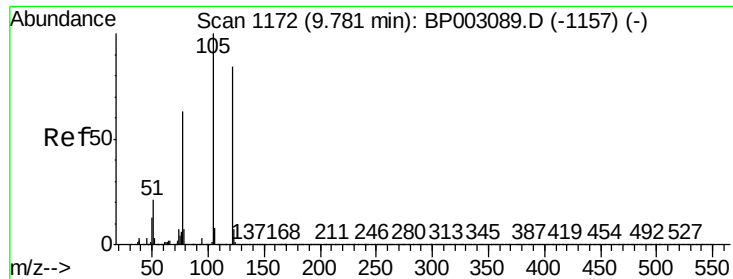
Tot Ion	82	Resp	217795
Ion Ratio	Lower	Upper	
82	100		
128	52.8	45.6	68.4
54	39.2	30.1	45.1



#31
 Naphthalene
 Concen: 3.547 ng
 RT: 10.48 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: BP003220.D
 Acq: 04 Sep 2020 20:07

Tgt Ion	128	Resp	216728
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	13.0	10.6	15.8

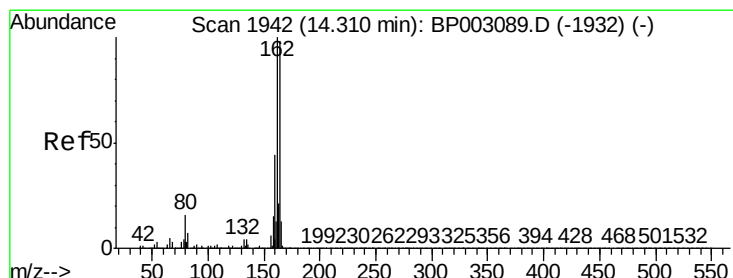
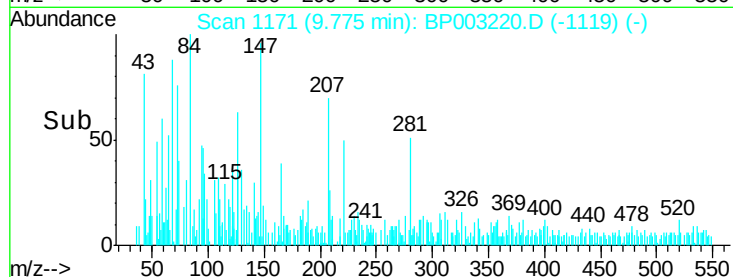
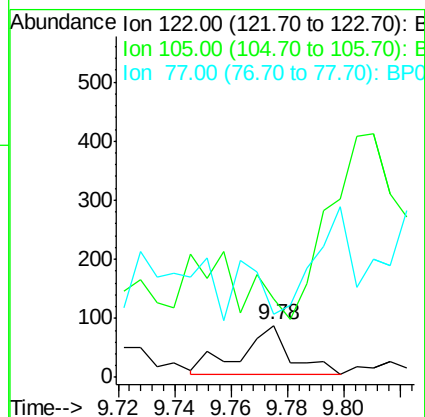
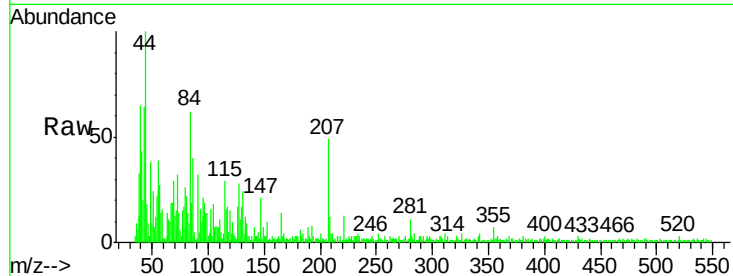




#32
Benzoic acid
Concen: 9.004 ng
RT: 9.78 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

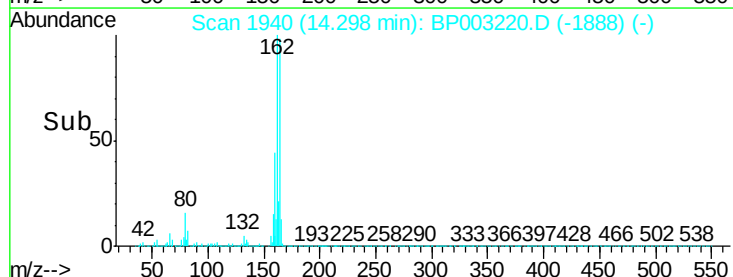
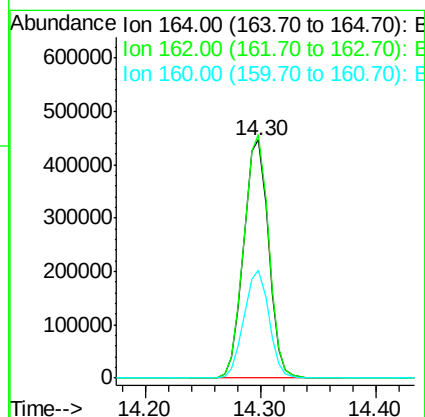
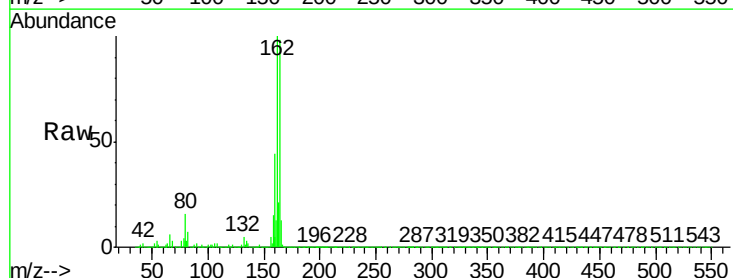
Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

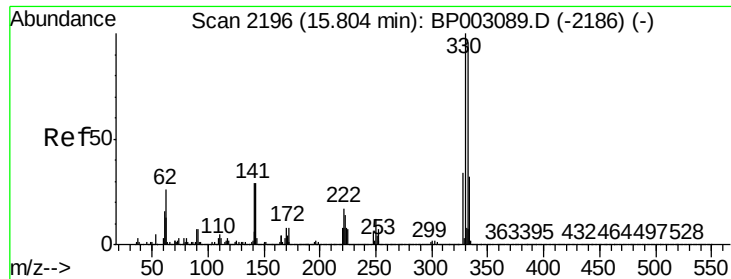
Tot Ion:122 Resp: 98
Ion Ratio Lower Upper
122 100
105 152.3 94.1 134.1#
77 121.6 50.1 90.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Tgt Ion:164 Resp: 671168
Ion Ratio Lower Upper
164 100
162 102.2 79.4 119.2
160 45.4 36.1 54.1

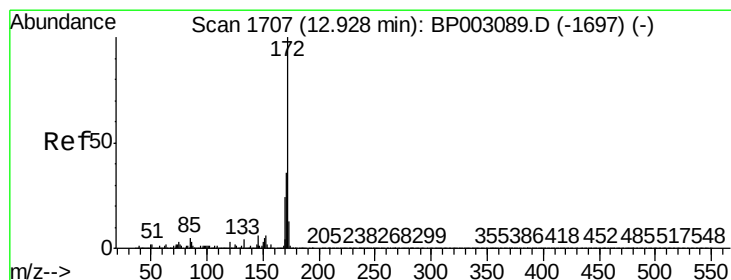
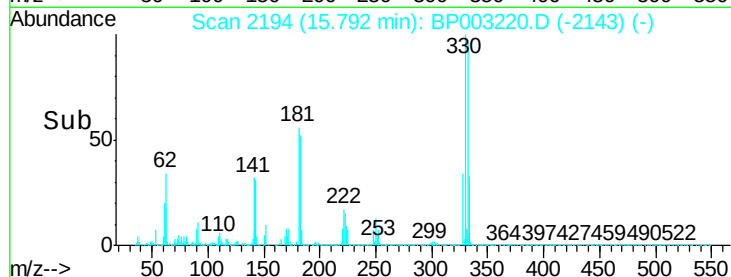
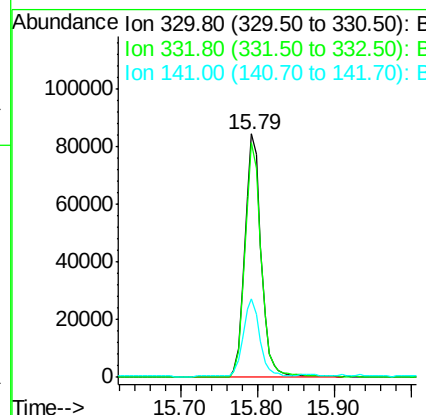
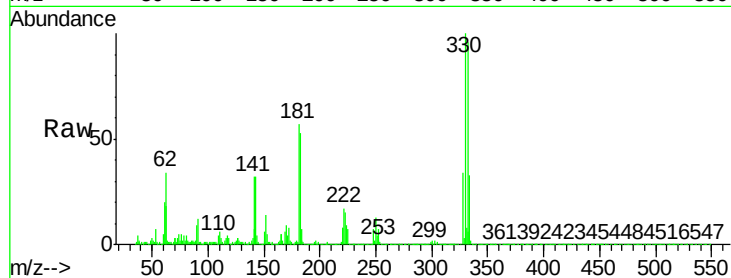




#42
2,4,6-Tribromophenol
Concen: 13.852 ng
RT: 15.79 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

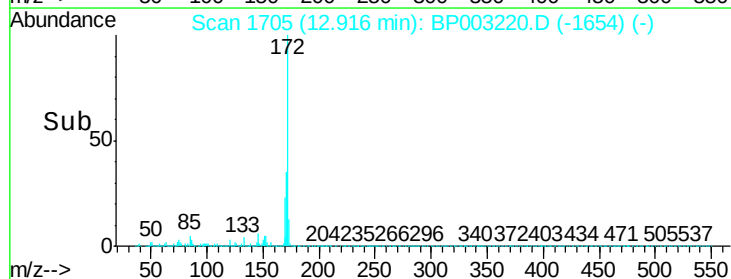
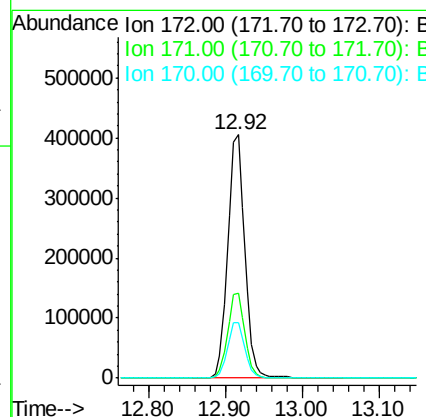
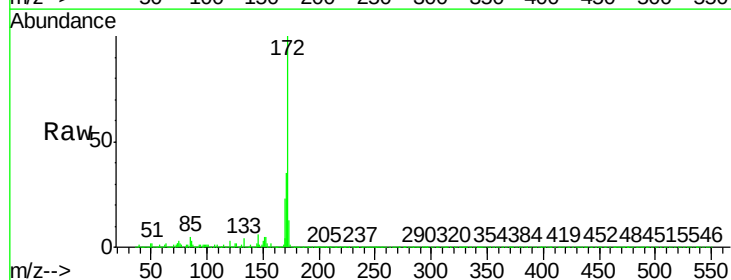
Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

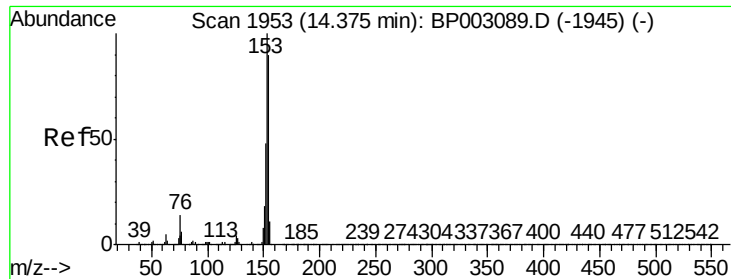
Tot Ion:330 Resp: 125737
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 31.7 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 13.713 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Tgt Ion:172 Resp: 628495
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.7 19.2 28.8





#52

Acenaphthene

Concen: 7.355 ng

RT: 14.36 min Scan# 1950

Delta R.T. -0.00 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Instrument :

BNA_P

ClientSampleId :

AL-FALAH-1

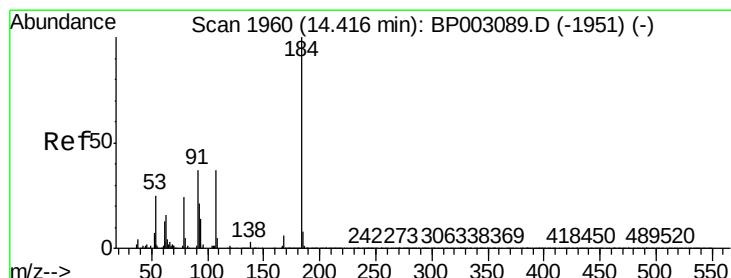
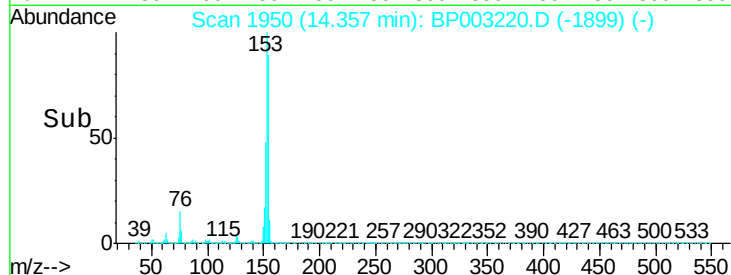
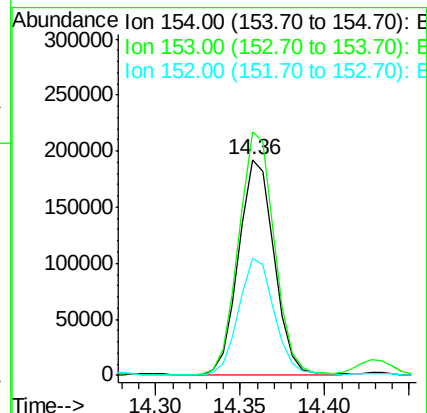
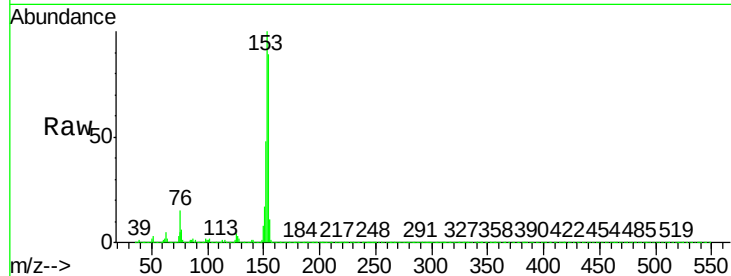
Tot Ion:154 Resp: 281547

Ion Ratio Lower Upper

154 100

153 112.9 91.0 136.6

152 54.4 43.0 64.6



#54

2,4-Dinitrophenol

Concen: 7.761 ng

RT: 14.40 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

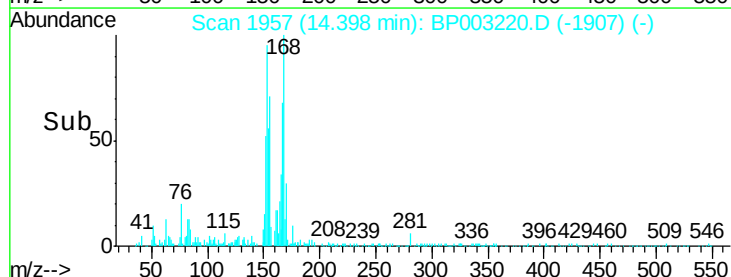
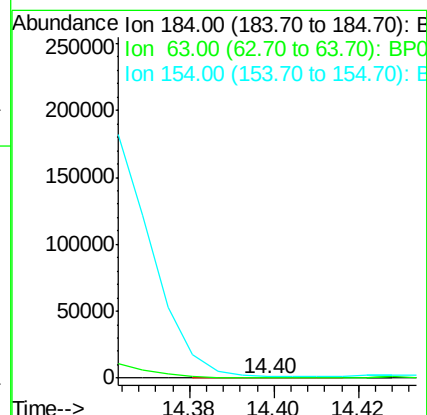
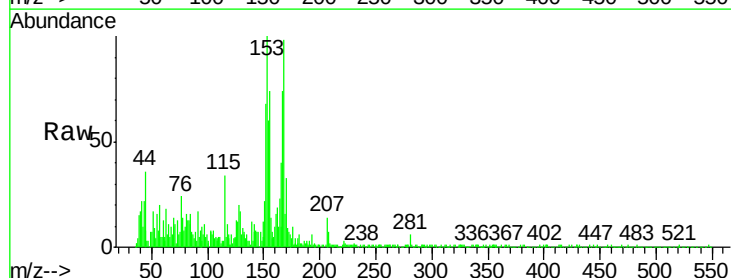
Tgt Ion:184 Resp: 38

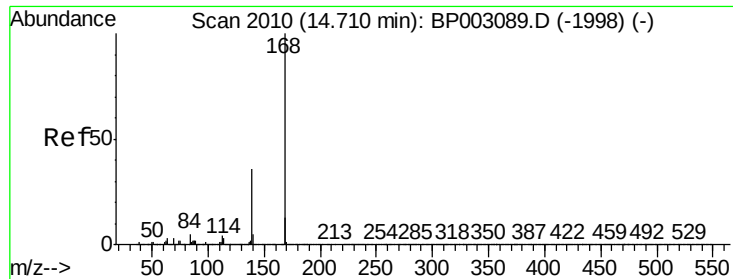
Ion Ratio Lower Upper

184 100

63 936.2 32.3 48.5#

154 3159.6 49.1 73.7#

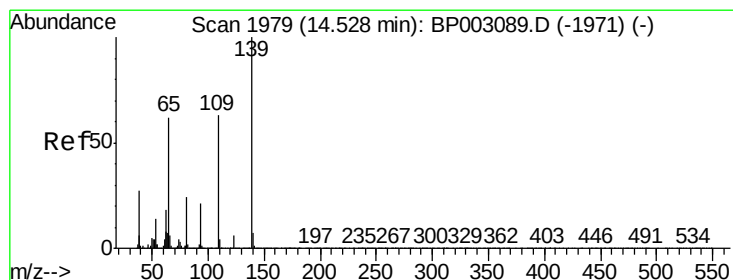
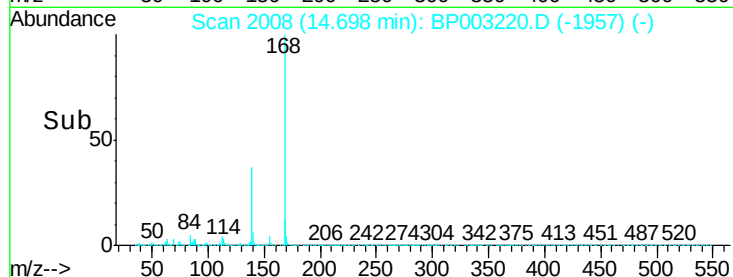
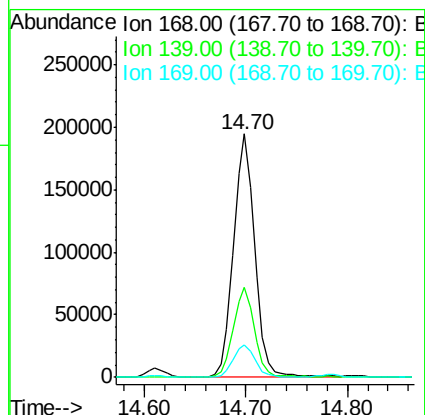
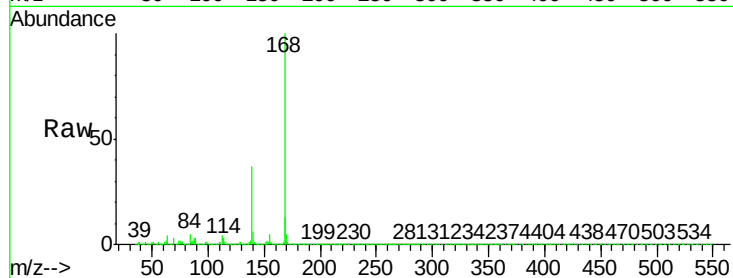




#55
Dibenzenofuran
Concen: 4.690 ng
RT: 14.70 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

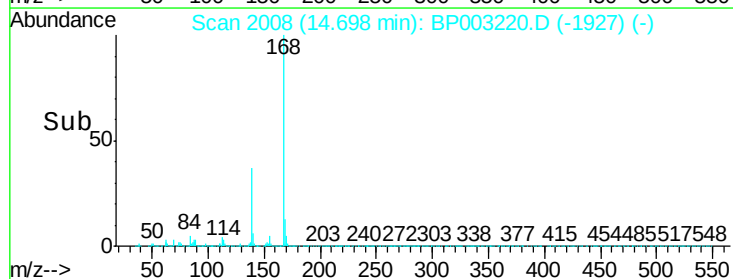
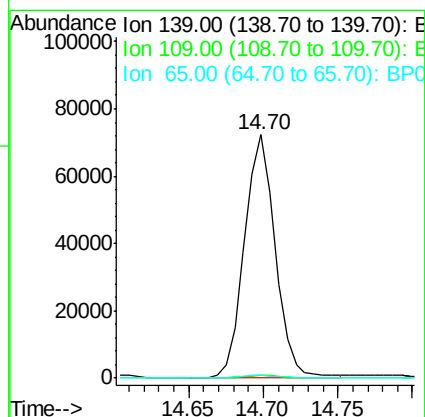
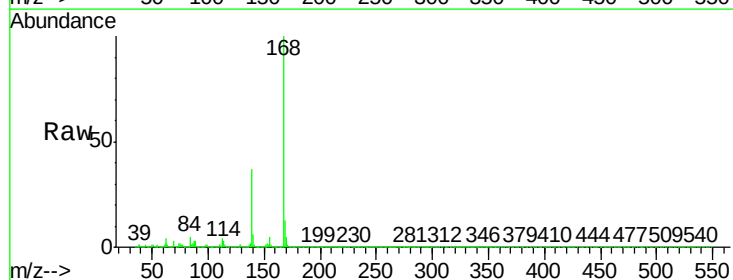
Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

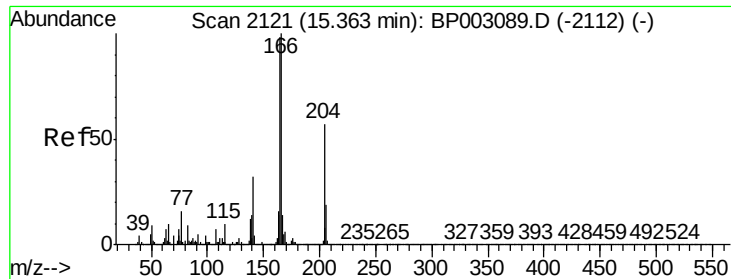
Tot Ion	168	Resp	281946
Ion Ratio	100	Lower	Upper
139	37.1	29.1	43.7
169	13.3	10.4	15.6



#56
4-Nitrophenol
Concen: 11.926 ng
RT: 14.70 min Scan# 2008
Delta R.T. 0.18 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Tgt Ion	139	Resp	103402
Ion Ratio	100	Lower	Upper
109	1.1	44.6	84.6#
65	1.2	41.6	81.6#





#58

Fluorene

Concen: 7.794 ng

RT: 15.35 min Scan# 2119

Delta R.T. 0.01 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Instrument :

BNA_P

ClientSampleId :

AL-FALAH-1

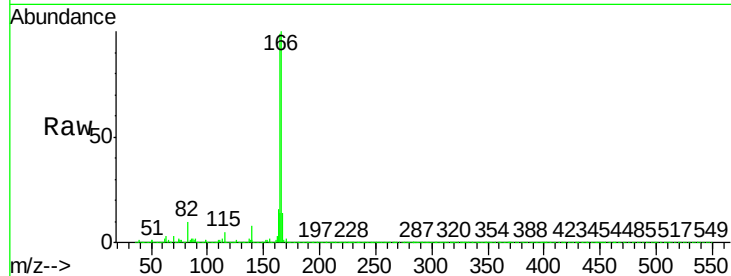
Tot Ion:166 Resp: 360949

Ion Ratio Lower Upper

166 100

165 98.7 77.8 116.8

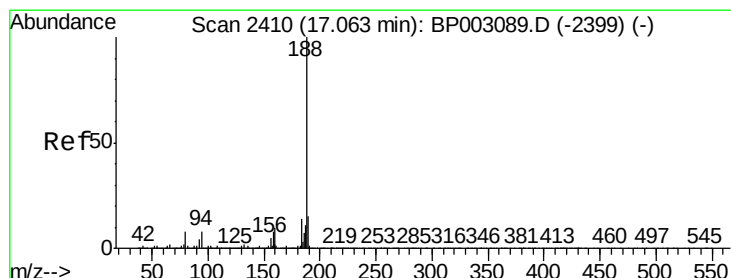
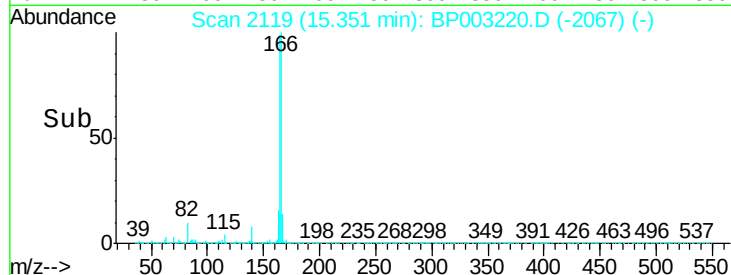
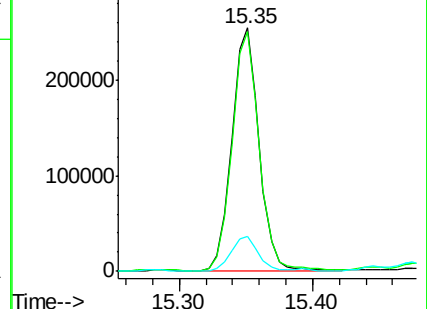
167 14.2 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2408

Delta R.T. 0.01 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

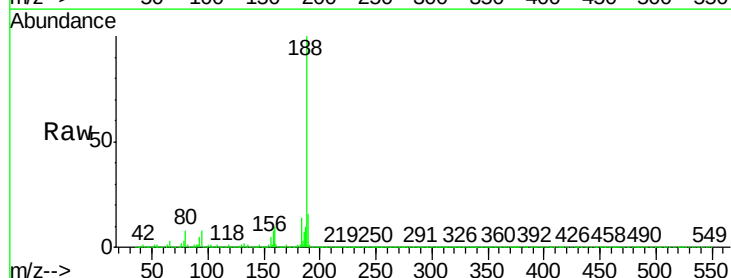
Tgt Ion:188 Resp: 1199470

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.2

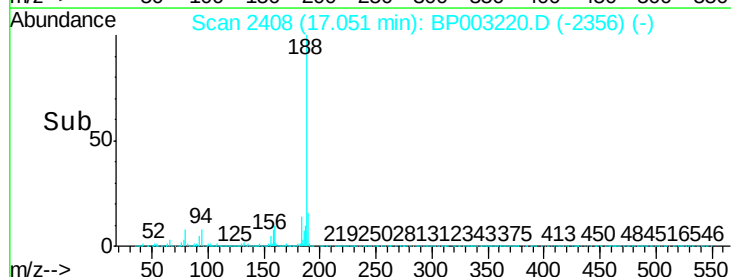
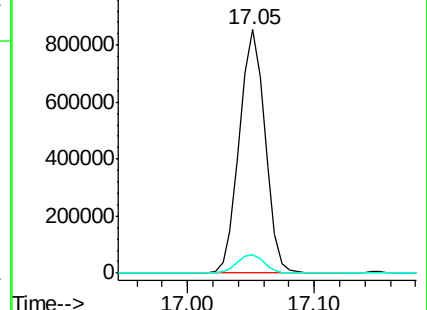
80 7.7 6.2 9.2

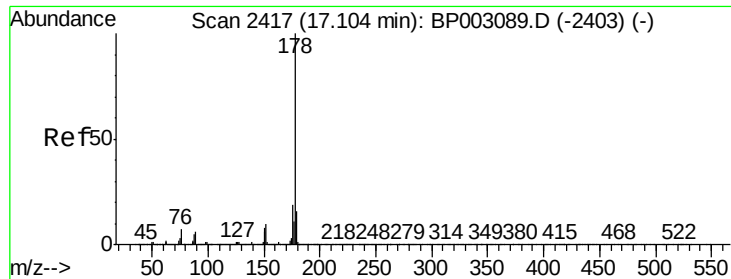


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#71

Phenanthrene

Concen: 50.341 ng

RT: 17.09 min Scan# 2415

Delta R.T. 0.01 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Instrument :

BNA_P

ClientSampleId :

AL-FALAH-1

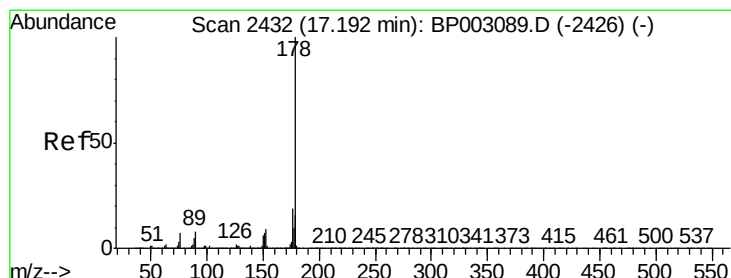
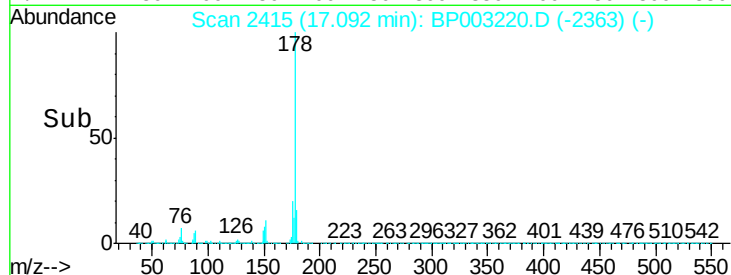
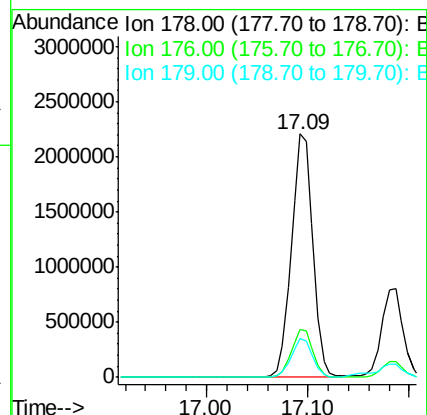
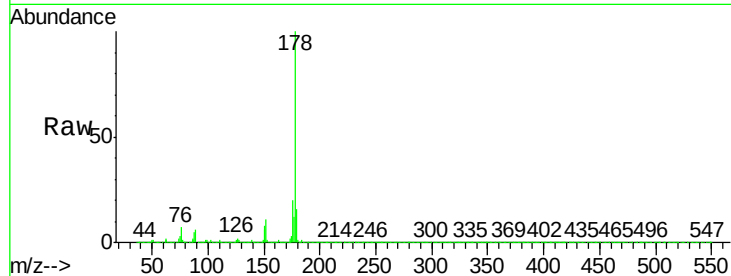
Tot Ion:178 Resp: 3271914

Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

179 15.8 12.5 18.7



#72

Anthracene

Concen: 18.625 ng

RT: 17.19 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

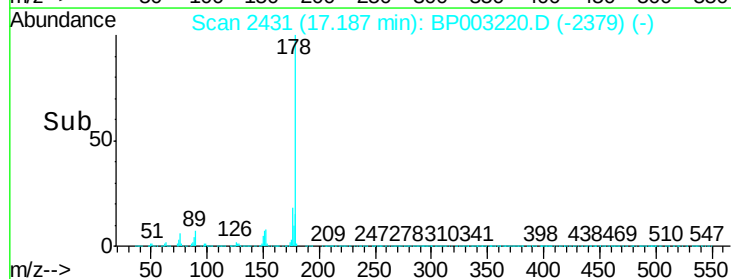
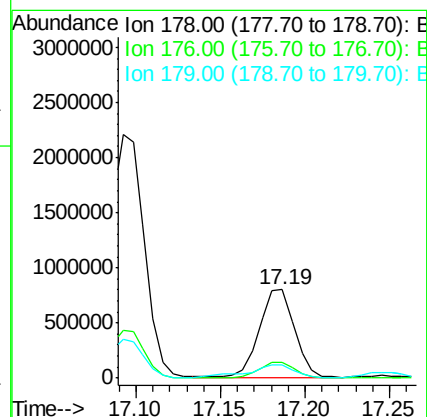
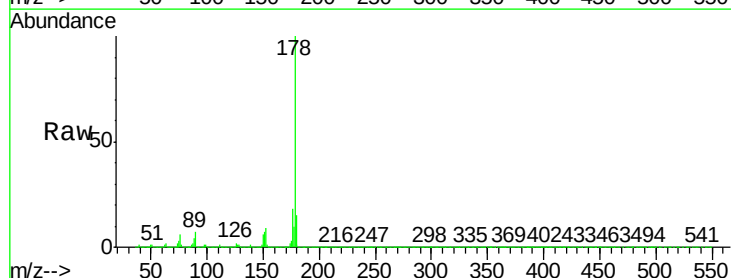
Tgt Ion:178 Resp: 1158535

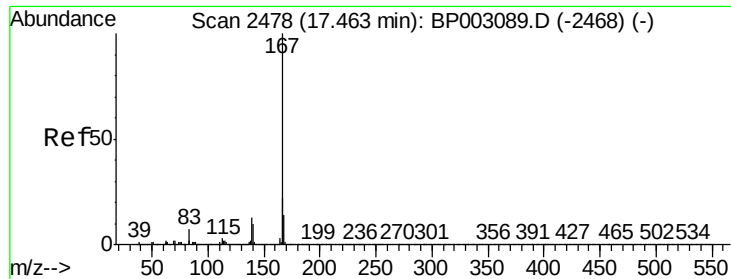
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

179 15.1 12.5 18.7

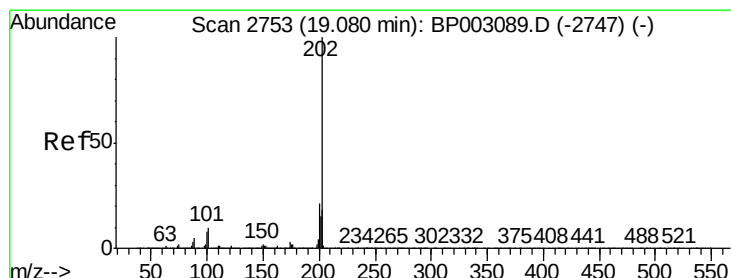
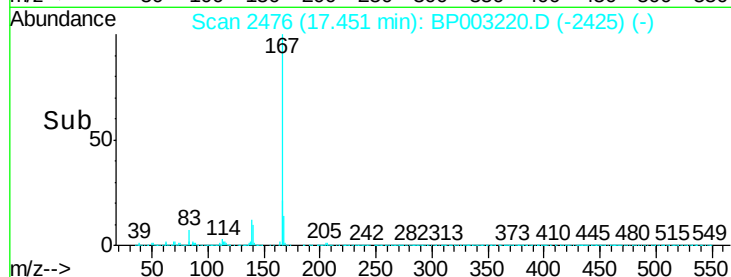
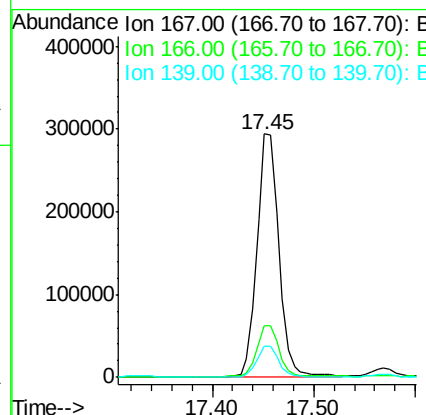
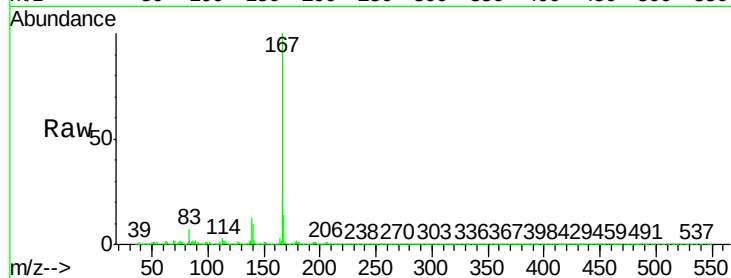




#73
 Carbazole
 Concen: 7.383 ng
 RT: 17.45 min Scan# 2476
 Delta R.T. -0.00 min
 Lab File: BP003220.D
 Acq: 04 Sep 2020 20:07

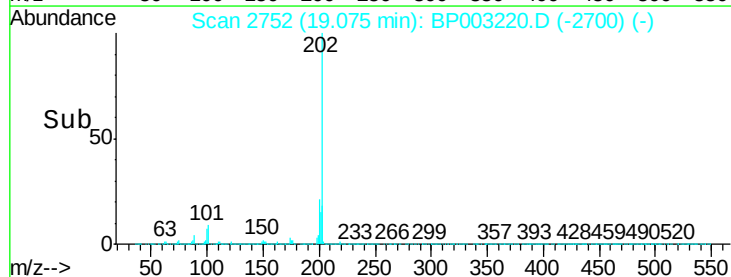
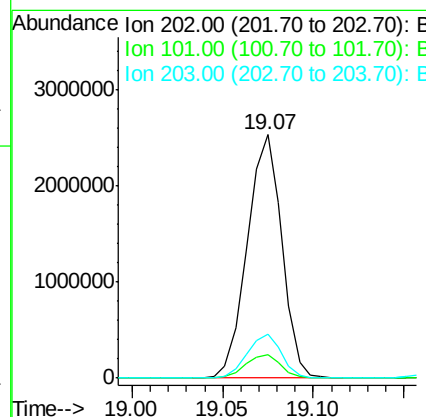
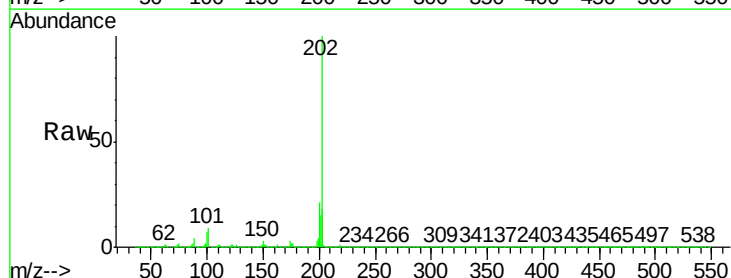
Instrument :
 BNA_P
 ClientSampleId :
 AL-FALAH-1

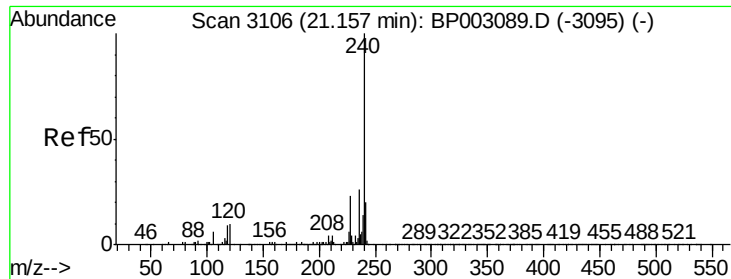
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.6	26.4
139	12.6	10.2	15.4



#75
 Fluoranthene
 Concen: 44.568 ng
 RT: 19.07 min Scan# 2752
 Delta R.T. 0.01 min
 Lab File: BP003220.D
 Acq: 04 Sep 2020 20:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.4
203	17.9	0.0	37.8

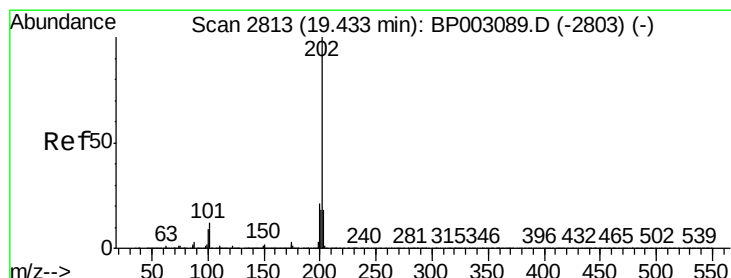
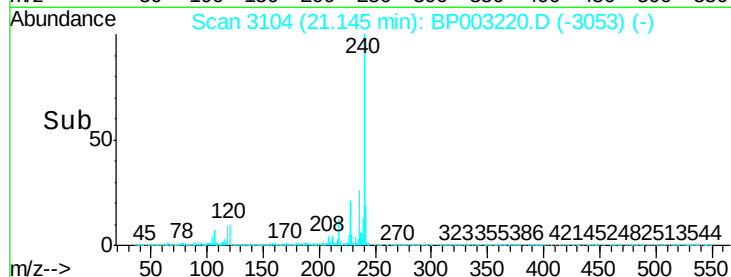
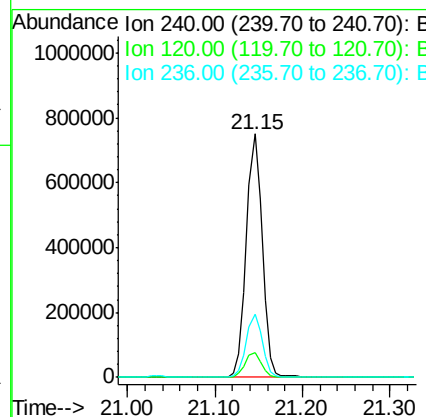
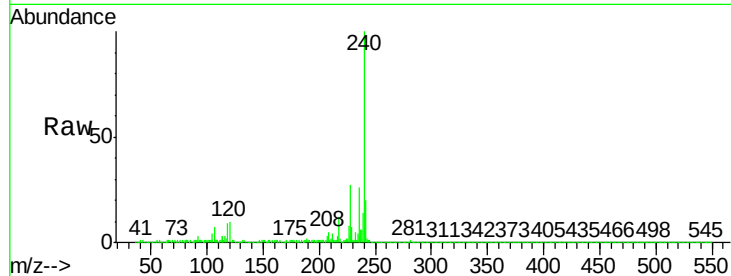




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

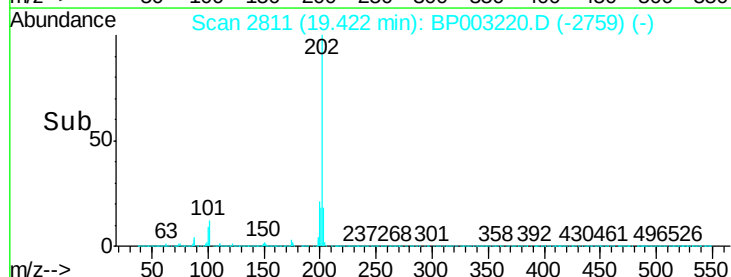
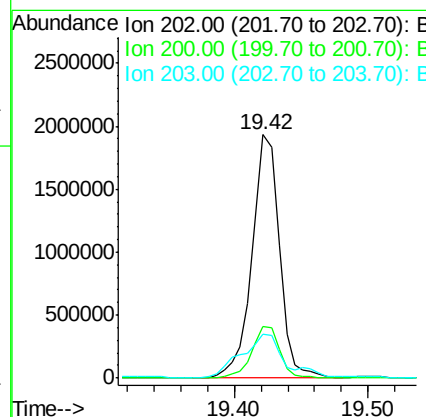
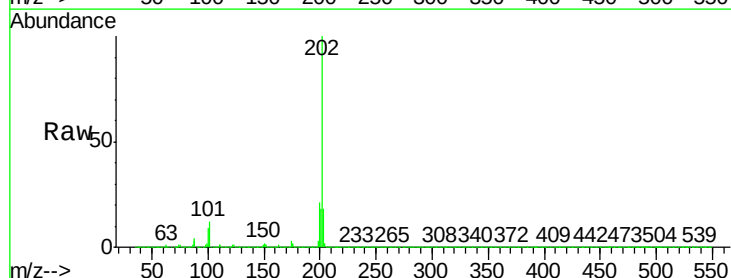
Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

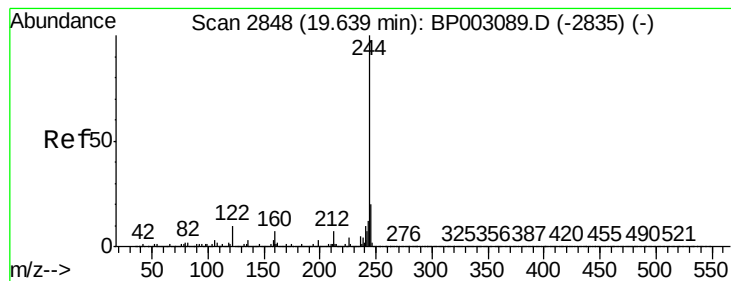
Tot Ion:240 Resp: 907650
Ion Ratio Lower Upper
240 100
120 10.3 7.8 11.6
236 26.0 20.8 31.2



#78
Pyrene
Concen: 46.345 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Tgt Ion:202 Resp: 2730119
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 18.3 14.2 21.2





#79

Terphenyl-d14

Concen: 14.211 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Instrument :

BNA_P

ClientSampleId :

AL-FALAH-1

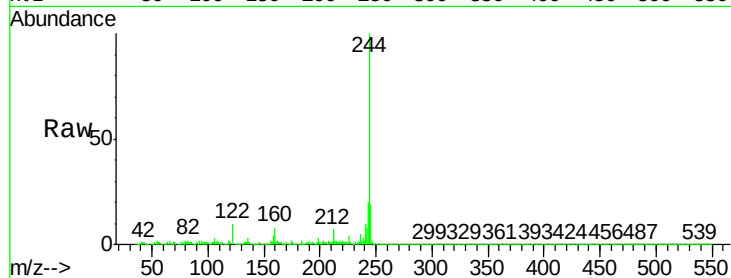
Tot Ion:244 Resp: 586182

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

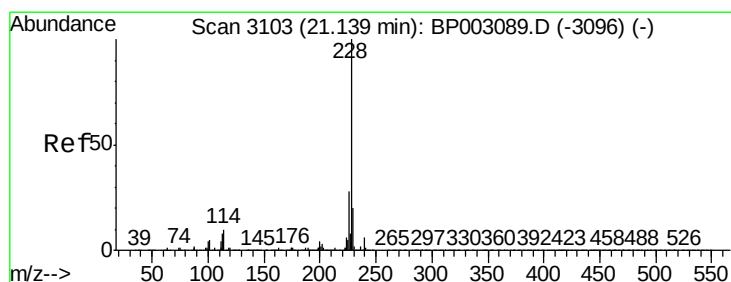
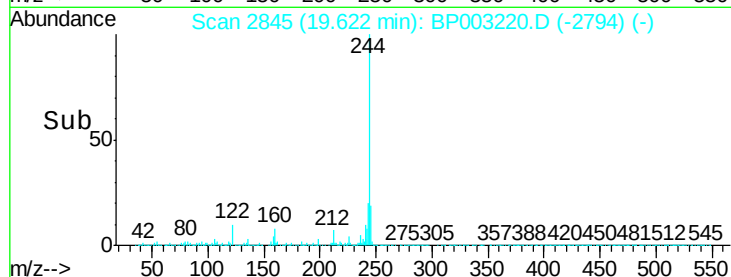
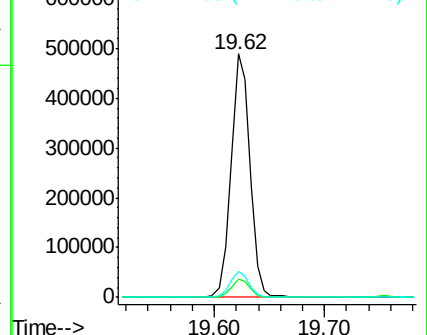
122 10.5 7.8 11.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 24.200 ng

RT: 21.13 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

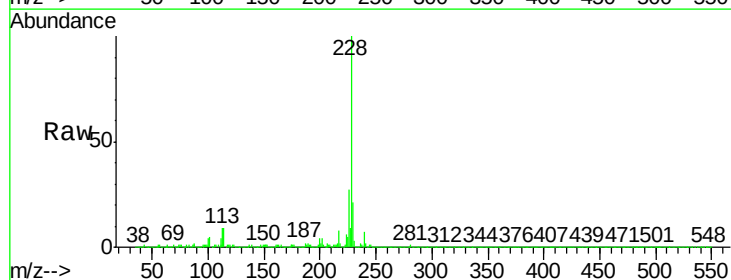
Tgt Ion:228 Resp: 1375862

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

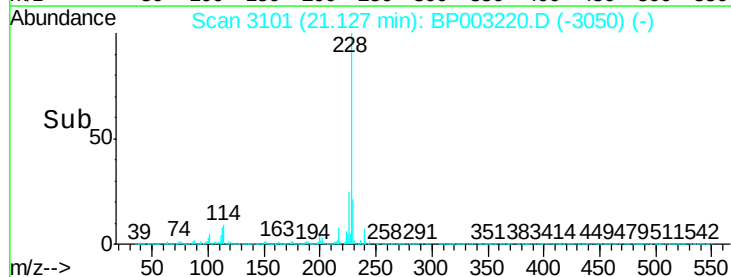
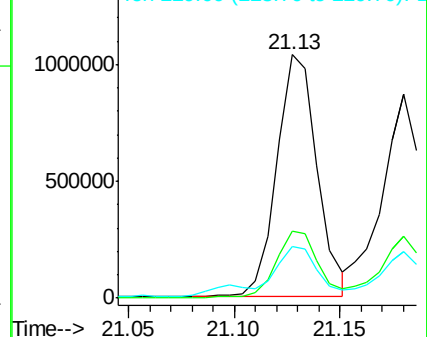
229 21.1 15.9 23.9

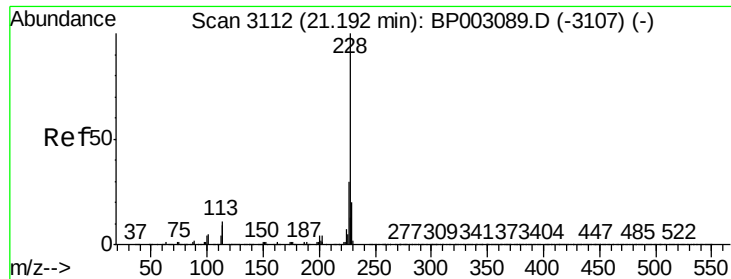


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

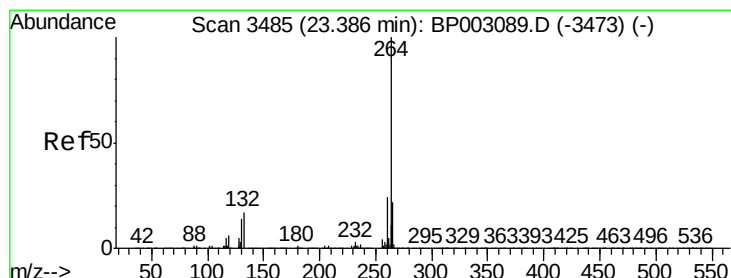
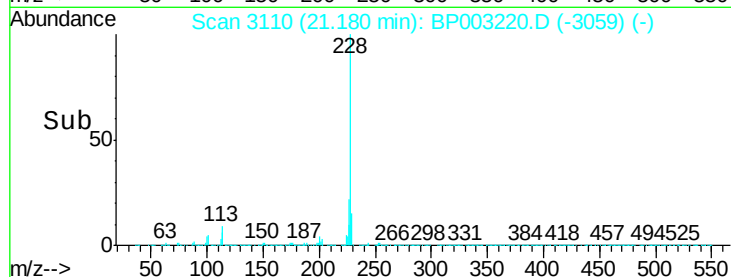
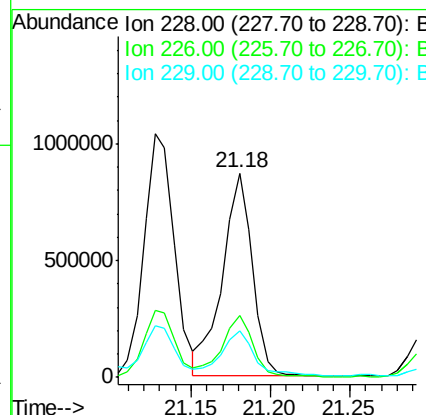
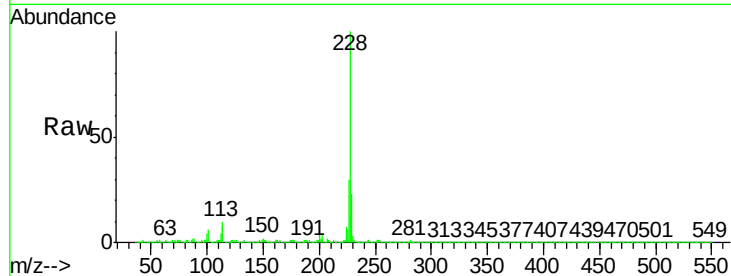




#83
Chrysene
Concen: 20.947 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

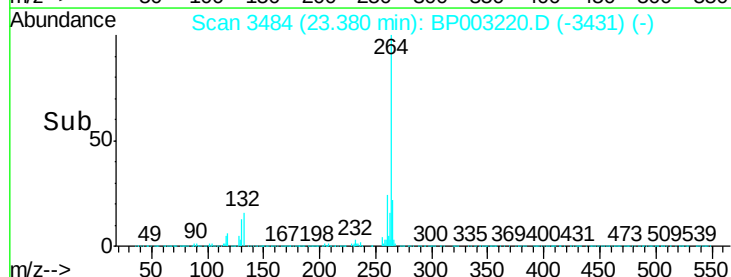
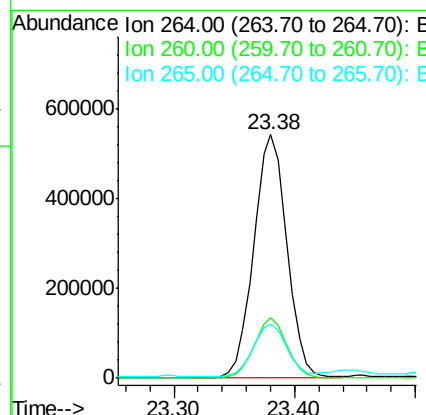
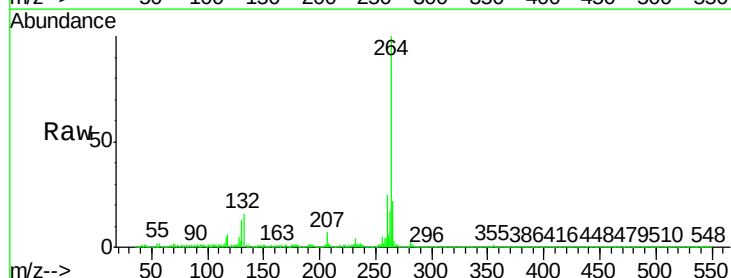
Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

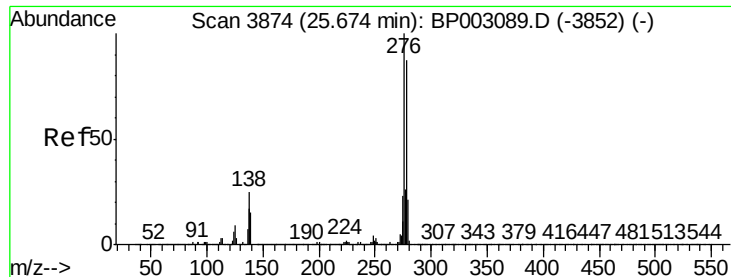
Tot Ion:228 Resp: 1140279
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.9 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Tgt Ion:264 Resp: 1030362
Ion Ratio Lower Upper
264 100
260 24.7 18.8 28.2
265 22.2 17.4 26.2

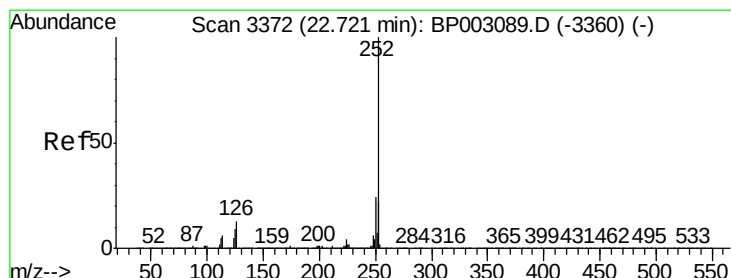
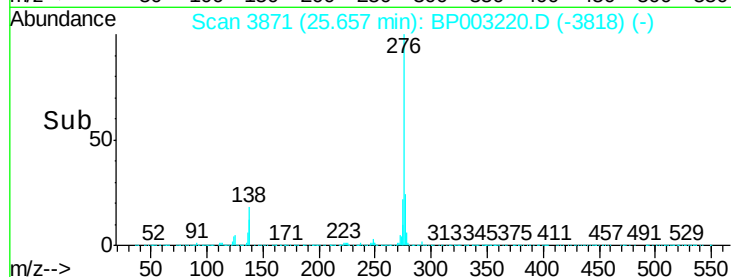
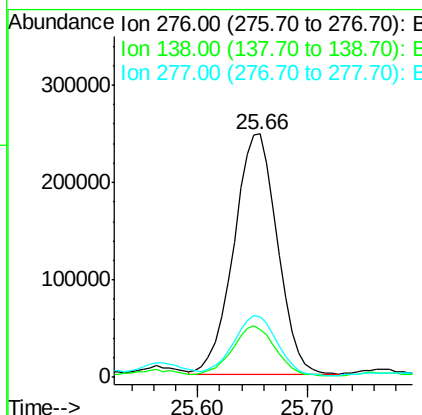
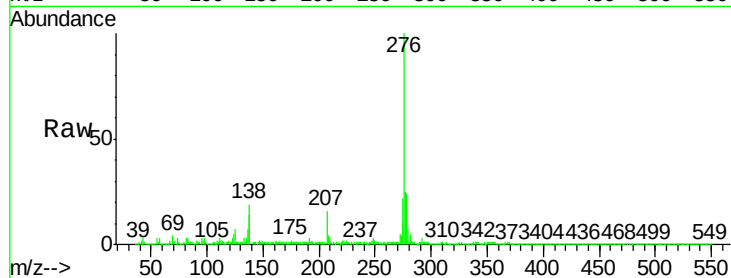




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.840 ng
 RT: 25.66 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BP003220.D
 Acq: 04 Sep 2020 20:07

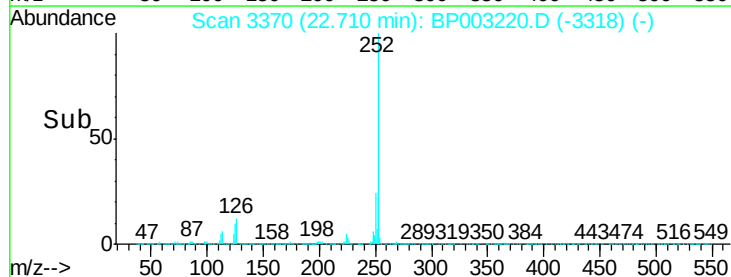
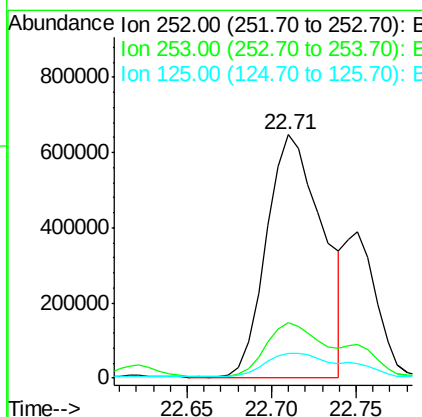
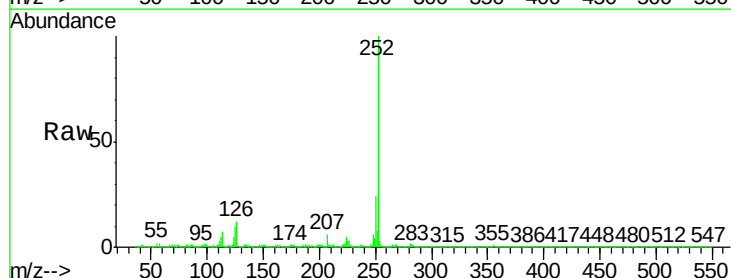
Instrument :
 BNA_P
 ClientSampleId :
 AL-FALAH-1

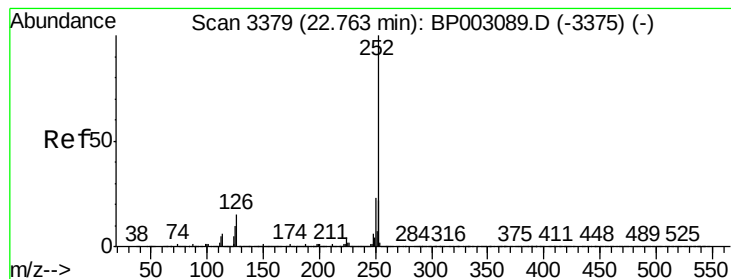
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	18.7	28.1
277	25.0	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 23.219 ng
 RT: 22.71 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: BP003220.D
 Acq: 04 Sep 2020 20:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	10.1	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 24.302 ng

RT: 22.71 min Scan# 3370

Delta R.T. -0.04 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Instrument :

BNA_P

ClientSampleId :

AL-FALAH-1

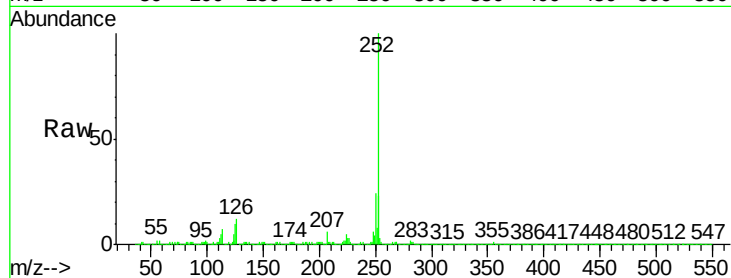
Tot Ion:252 Resp: 1486953

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

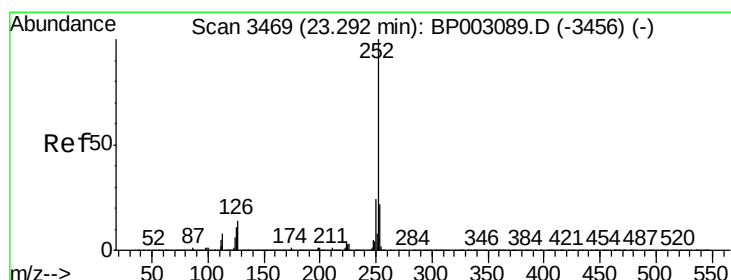
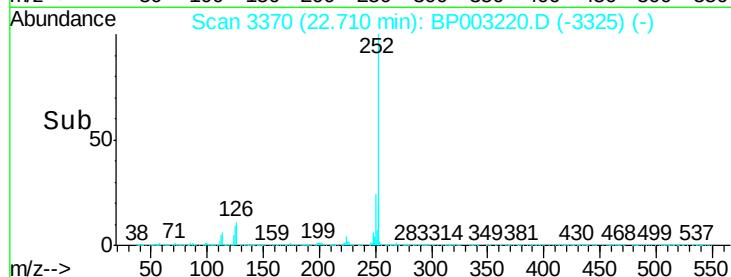
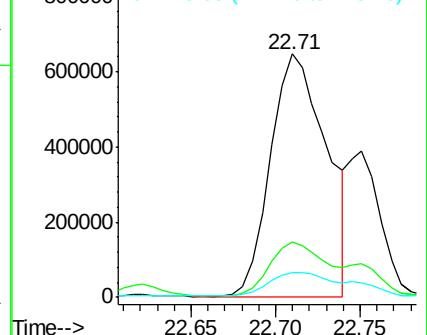
125 10.1 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 19.448 ng

RT: 23.28 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

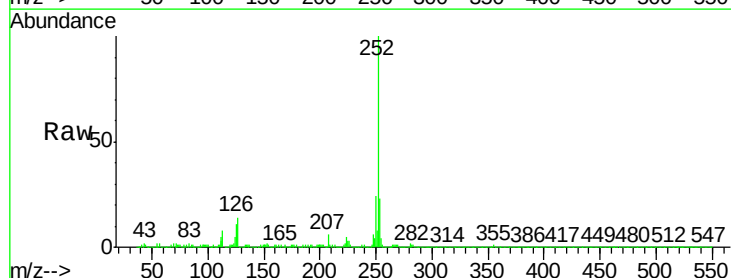
Tgt Ion:252 Resp: 1155421

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

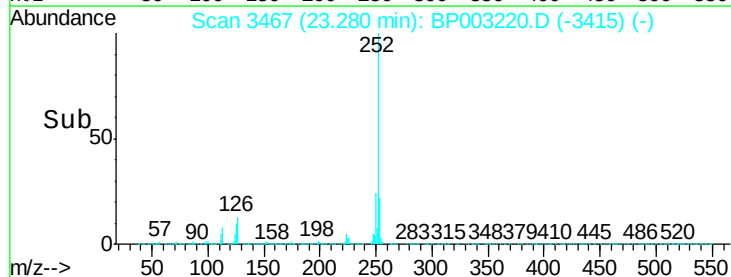
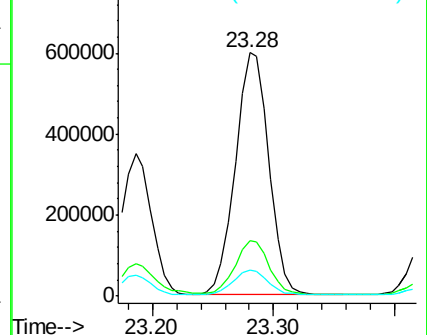
125 10.6 8.2 12.4

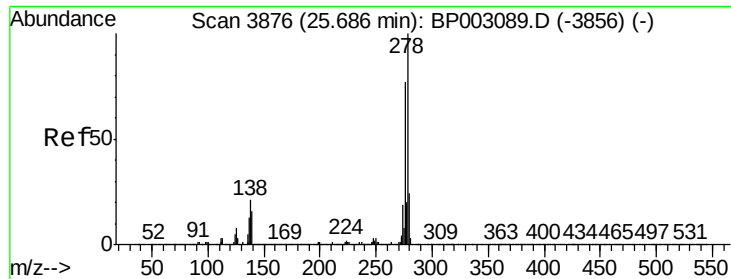


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 2.630 ng

RT: 25.92 min Scan# 3915

Delta R.T. 0.26 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Instrument :

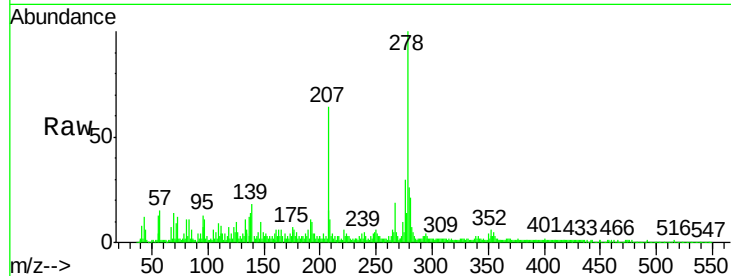
BNA_P

ClientSampleId :

AL-FALAH-1

Tot Ion:278 Resp: 166017

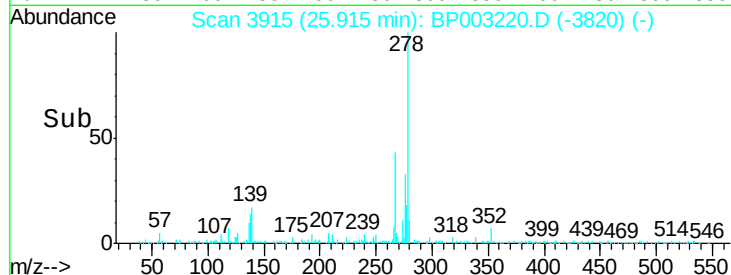
Ion	Ratio	Lower	Upper
278	100		
139	18.1	12.4	18.6
279	25.8	19.0	28.6



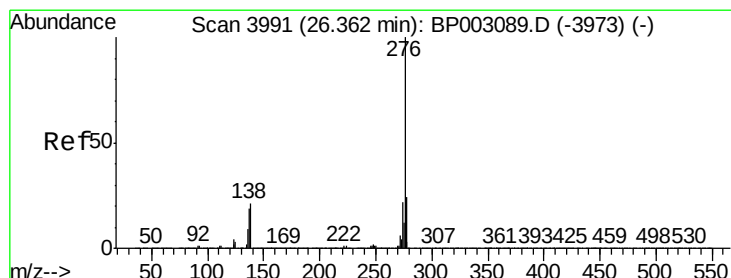
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#92

Benzo(g,h,i)perylene

Concen: 9.675 ng

RT: 26.34 min Scan# 3988

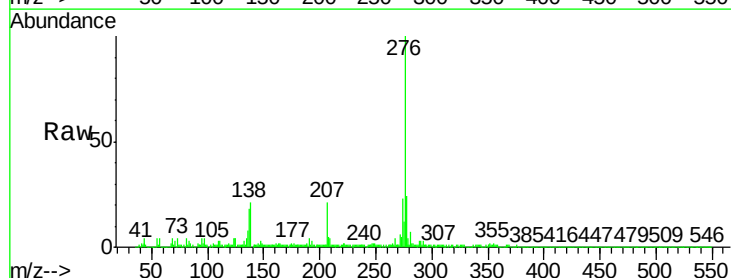
Delta R.T. 0.01 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Tgt Ion:276 Resp: 612848

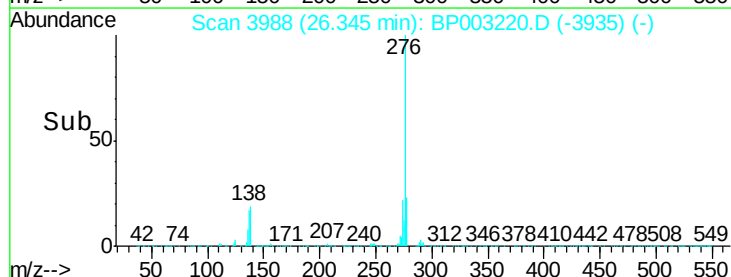
Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.6
138	20.7	16.6	24.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time-->