

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

Manual Integrations
 APPROVED

Sohil
 9/9/2020 3:48:29 PM

Quant Time: Sep 05 02:14:07 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						
31) Naphthalene	10.48	128	216728	3.547	ng	99
52) Acenaphthene	14.36	154	281547	7.355	ng	99
55) Dibenzofuran	14.70	168	281946	4.690	ng	99
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	22.75	252	489480m	8.000	ng	
90) Benzo(a)pyrene	23.28	252	1155421	19.448	ng	98
91) Dibenzo(a,h)anthracene	25.66	278	184301m	2.920	ng	
92) Benzo(g,h,i)perylene	26.34	276	612848	9.675	ng	99

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

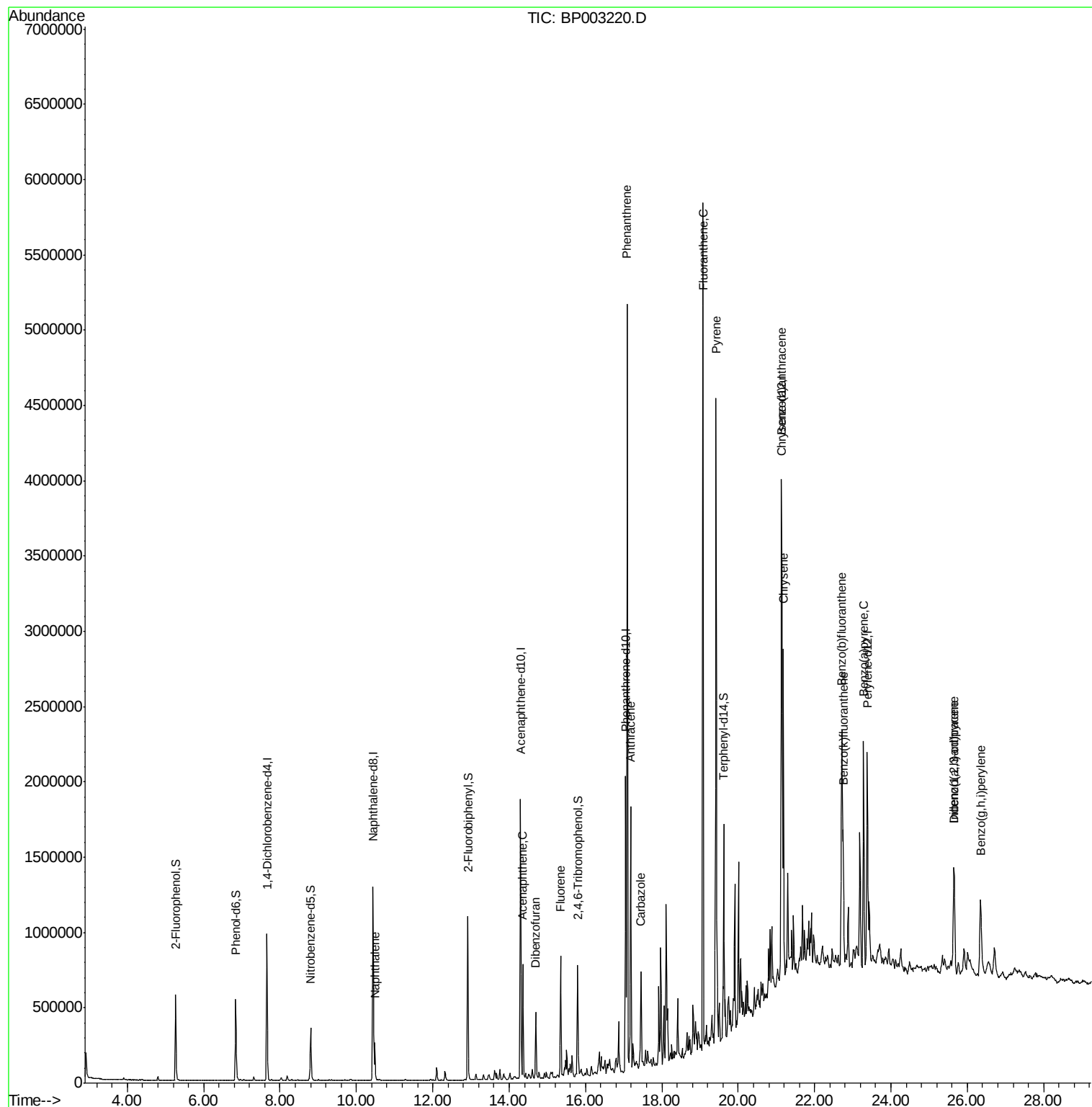
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
Data File : BP003220.D
Acq On : 04 Sep 2020 20:07
Operator : CG/JU
Sample : L3894-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

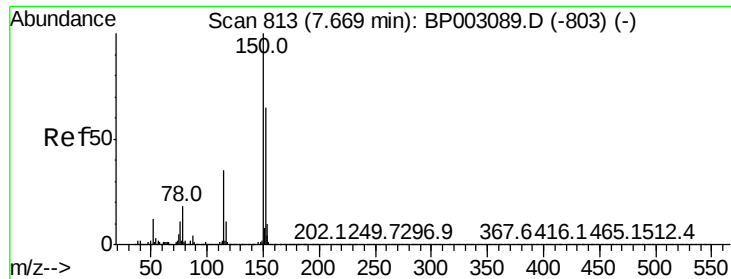
Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

Manual Integrations
APPROVED

Sohil
9/9/2020 3:48:29 PM

Quant Time: Sep 05 02:14:07 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





#1

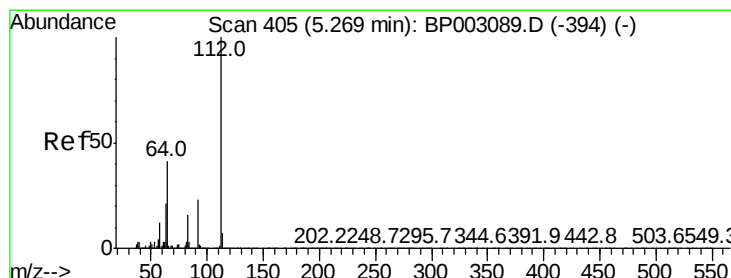
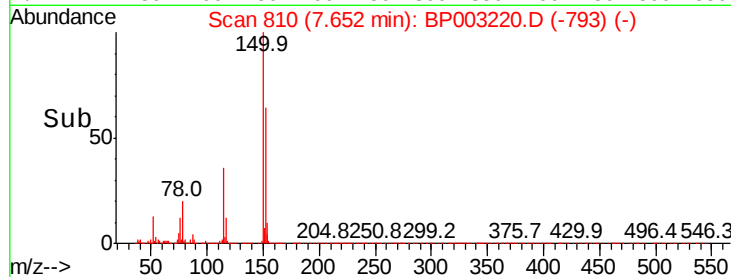
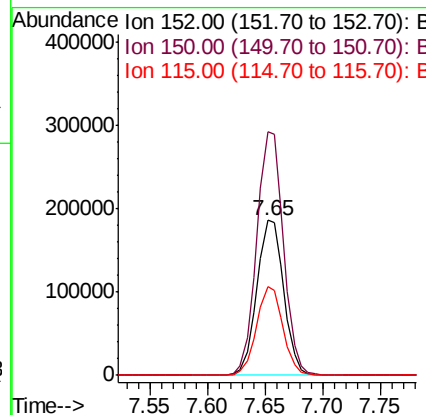
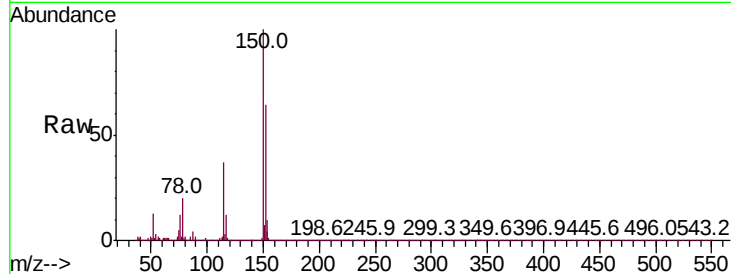
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

Tot Ion	152	Resp	302770
Ion Ratio	Lower	Upper	
152	100		
150	156.9	123.8	185.6
115	57.4	43.8	65.6

Manual Integrations
APPROVED

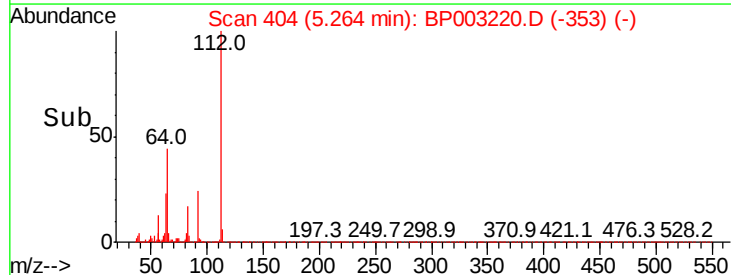
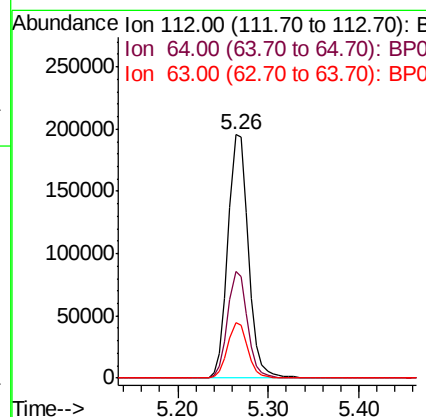
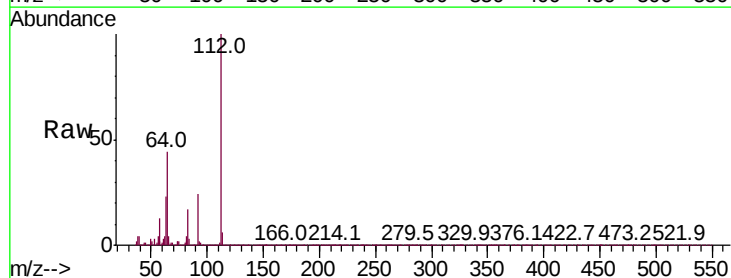
Sohil
9/9/2020 3:48:29 PM

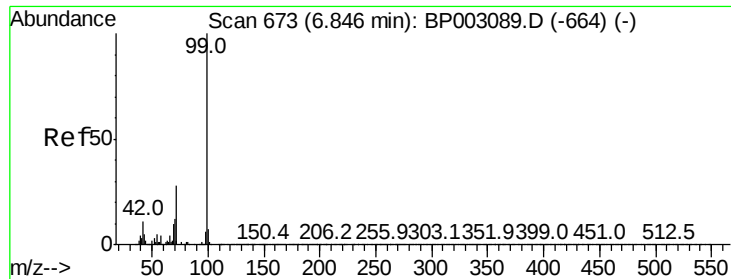


#5

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	112	Resp	306425
Ion Ratio	Lower	Upper	
112	100		
64	43.9	32.8	49.2
63	22.9	17.0	25.4





#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

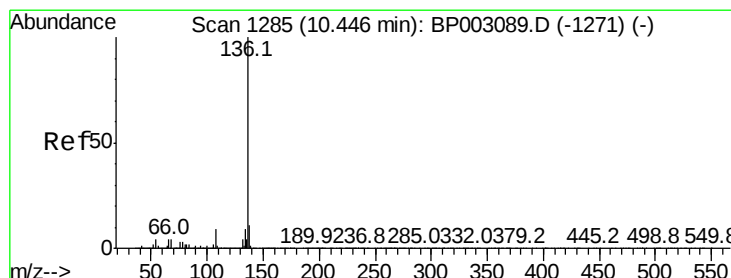
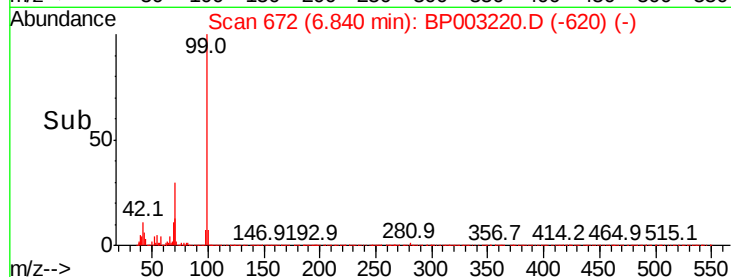
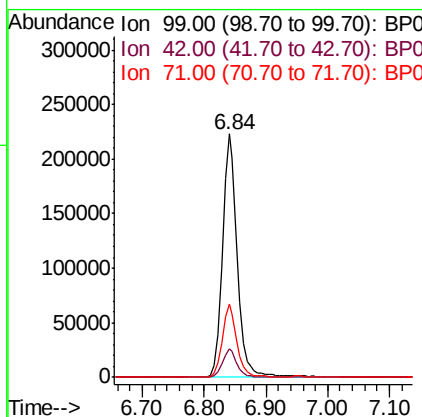
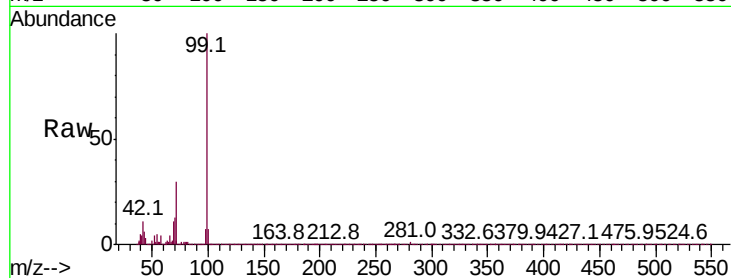
ClientSampleId :

AL-FALAH-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		373268		
42	11.5	8.6	13.0		
71	30.1	23.4	35.2		

Manual Integrations
APPROVED

Sohil
9/9/2020 3:48:29 PM



#21

Naphthalene-d8

Concen: 20.000 ng

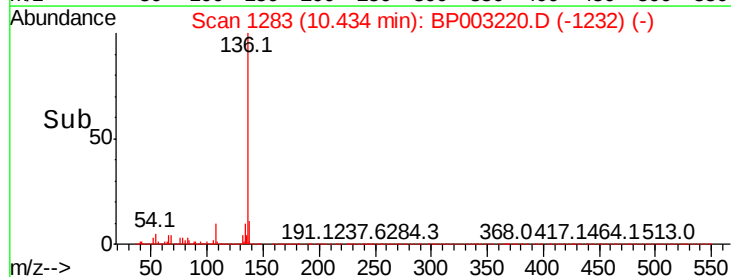
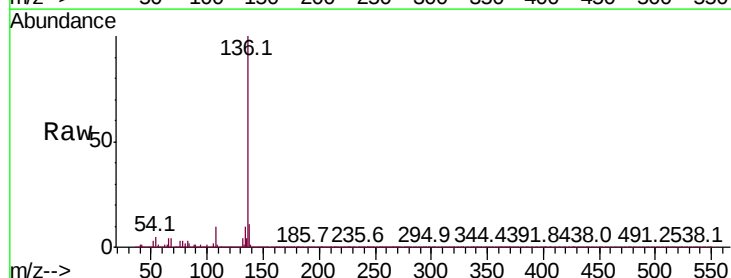
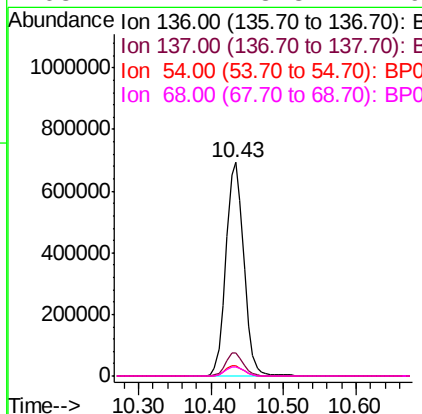
RT: 10.43 min Scan# 1283

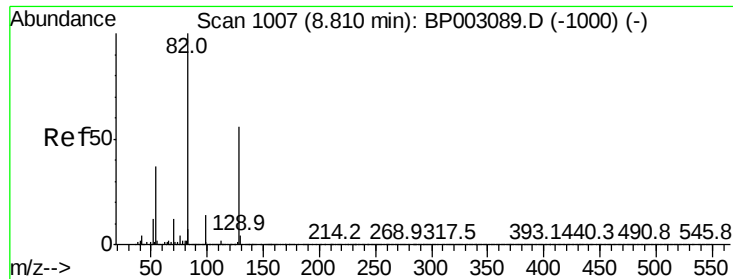
Delta R.T. -0.00 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1189388		
137	11.1	8.6	13.0		
54	4.7	3.6	5.4		
68	4.2	3.3	4.9		





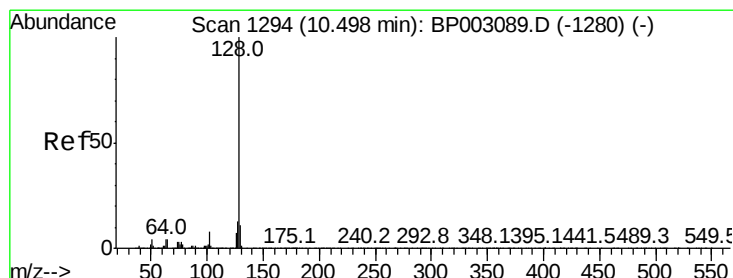
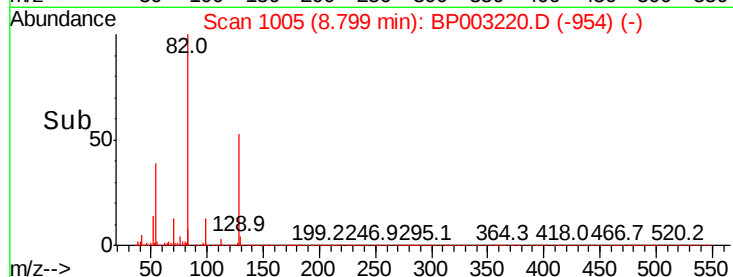
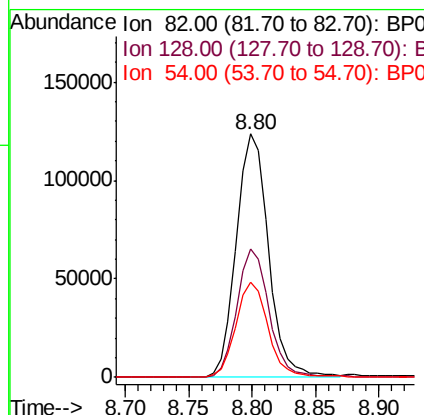
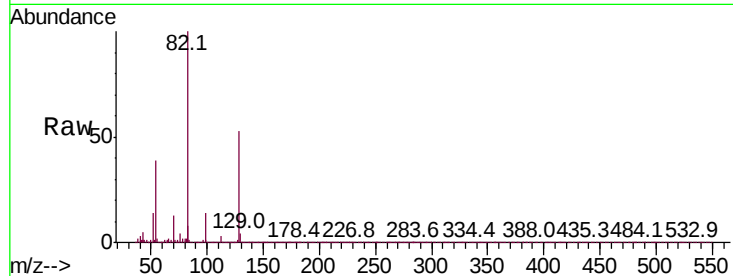
#23
Nitrobenzene-d5
Concen: 13.201 ng
RT: 8.80 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Instrument :
BNA_P
ClientSampleId :
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

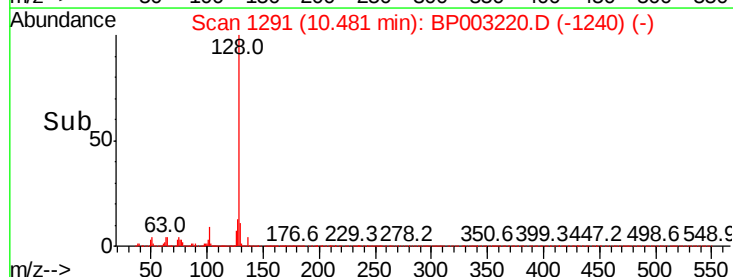
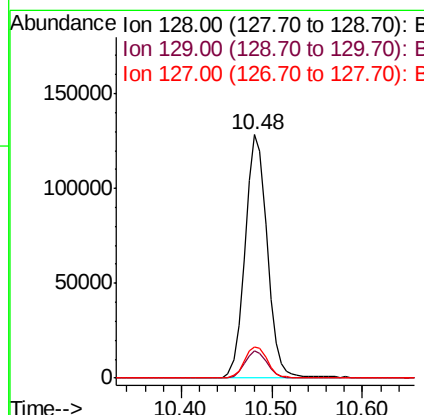
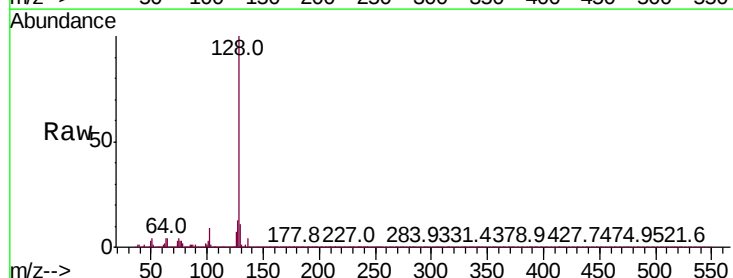
Manual Integrations
APPROVED

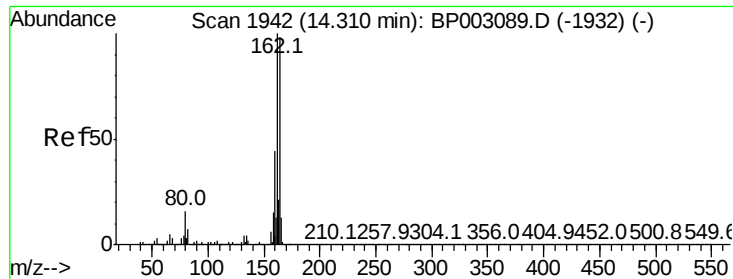
Sohil
9/9/2020 3:48:29 PM



#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





#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

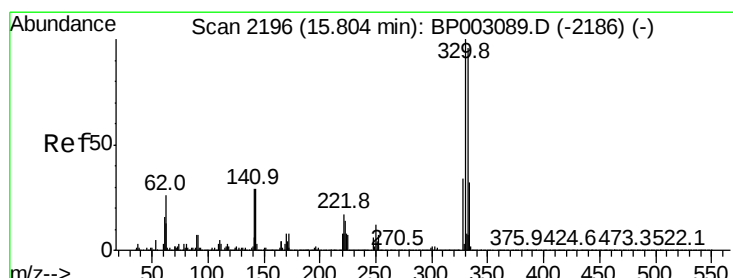
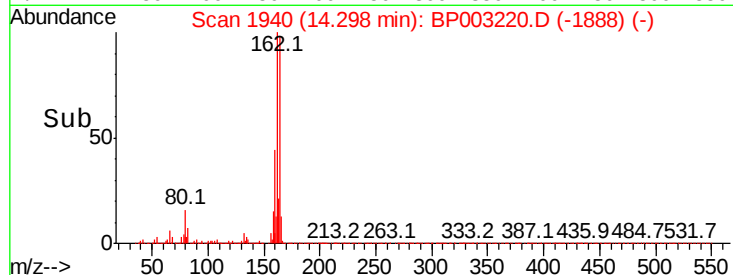
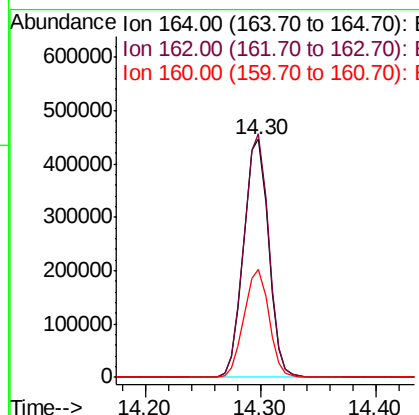
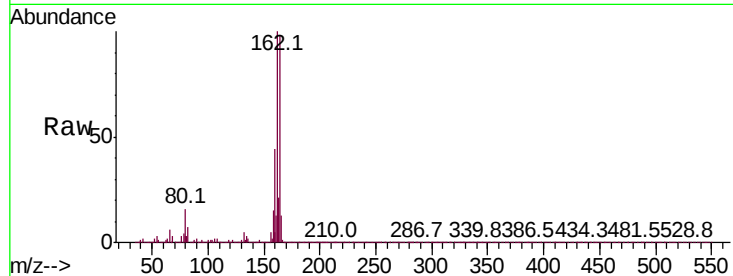
Instrument :
BNA_P

ClientSampleId :
AL-FALAH-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.2	79.4	119.2	
160	45.4	36.1	54.1	

Manual Integrations
APPROVED

Sohil
9/9/2020 3:48:29 PM



#42

2,4,6-Tribromophenol

Concen: 13.852 ng

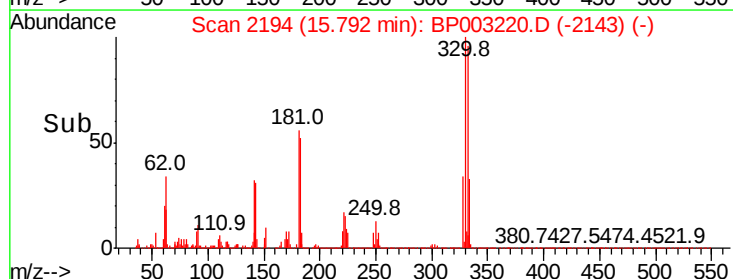
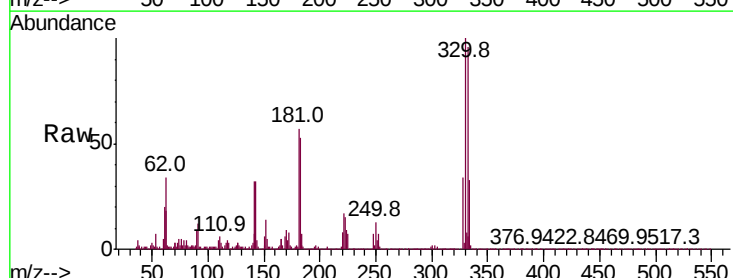
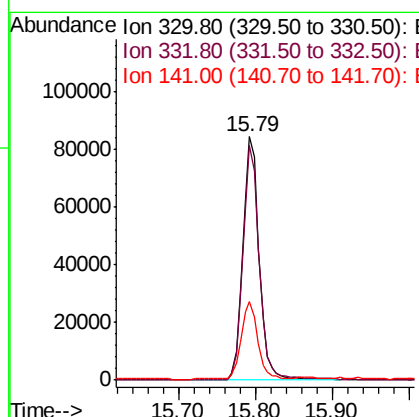
RT: 15.79 min Scan# 2194

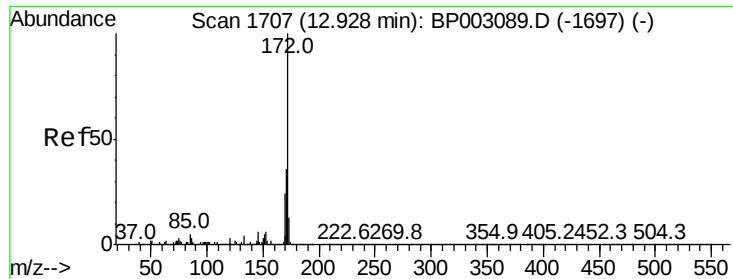
Delta R.T. -0.00 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.1	115.7	
141	31.7	23.4	35.2	





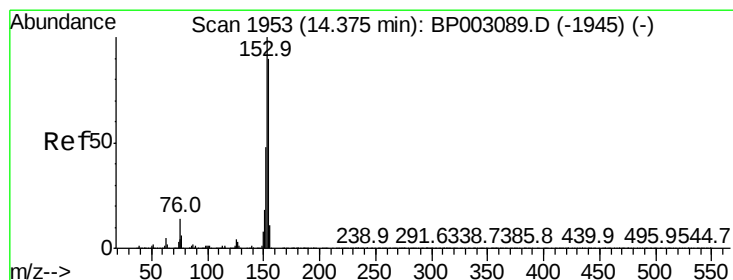
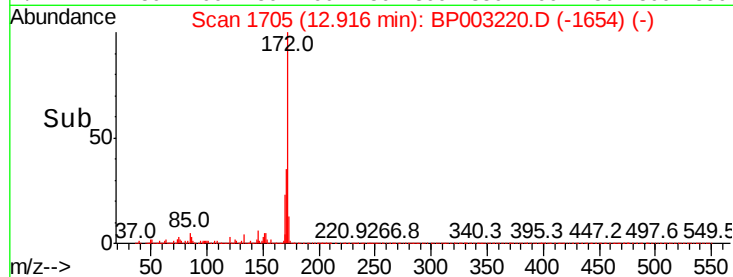
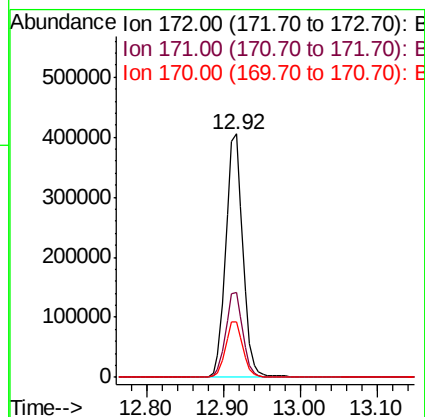
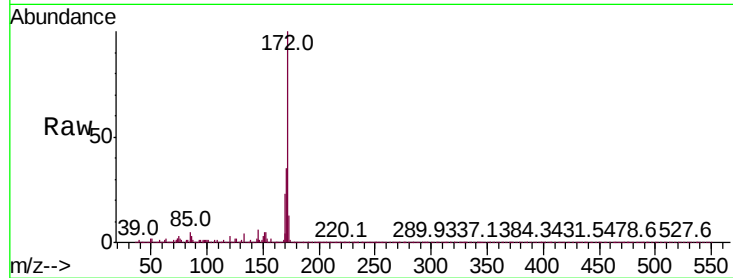
#45
2-Fluorobiphenyl
Concen: 13.713 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Instrument :
BNA_P
ClientSampled :
AL-FALAH-1

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

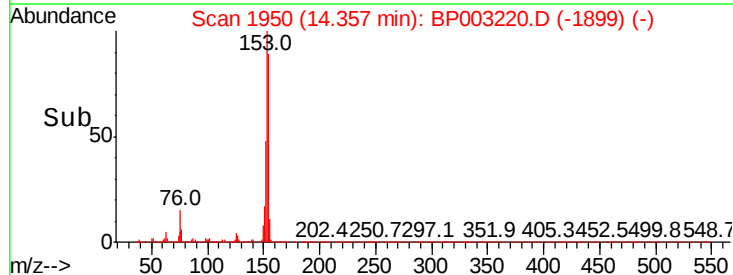
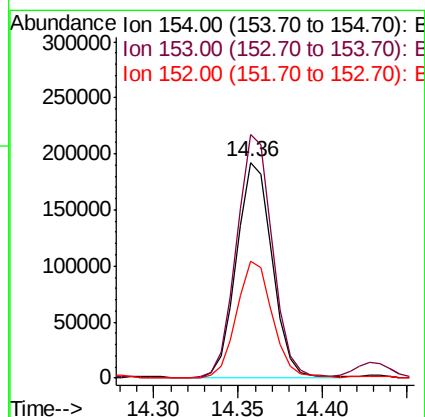
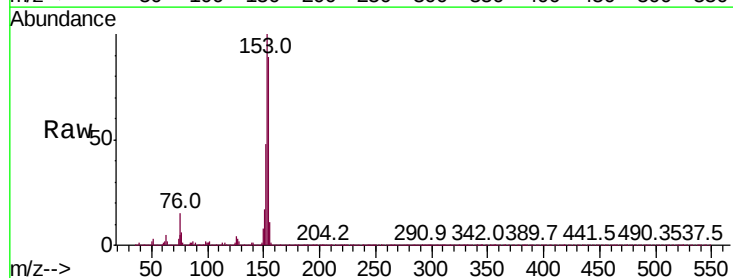
Manual Integrations
APPROVED

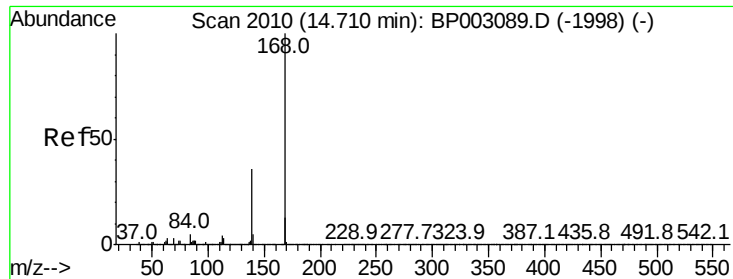
Sohil
9/9/2020 3:48:29 PM



#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

Tgt Ion:	154	Resp:	281547
Ion Ratio	Lower	Upper	
154	100		
153	112.9	91.0	136.6
152	54.4	43.0	64.6





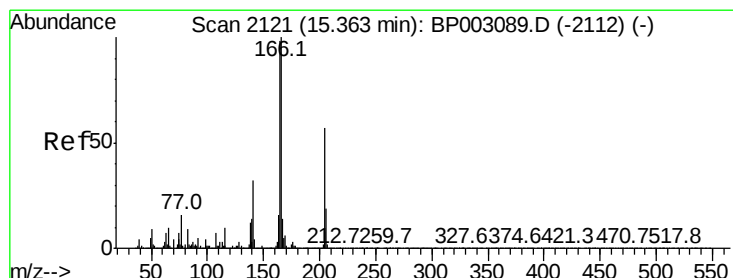
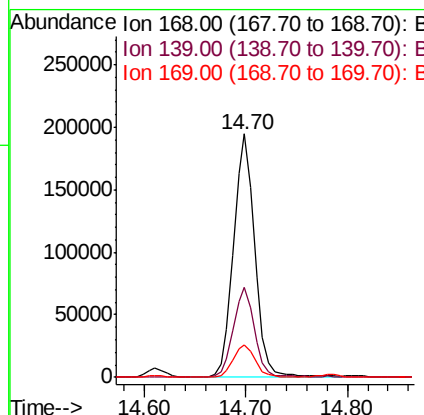
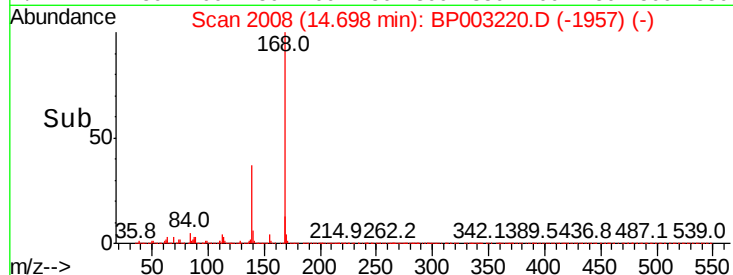
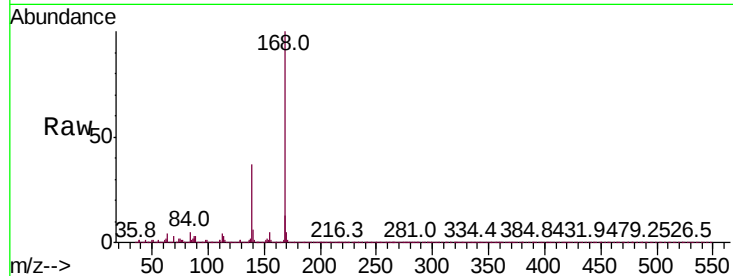
#55
Dibenzenofuran
Concen: 4.690 ng
RT: 14.70 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Instrument :
BNA_P
ClientSampled :
AL-FALAH-1

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

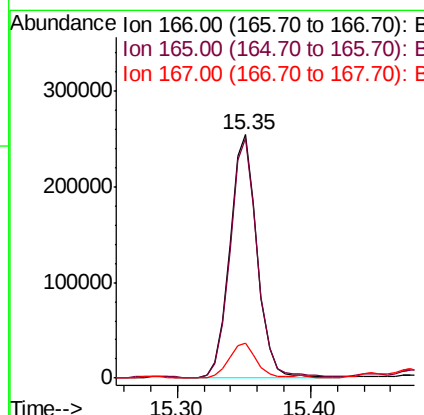
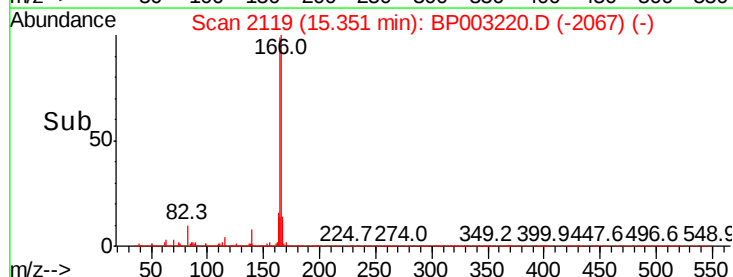
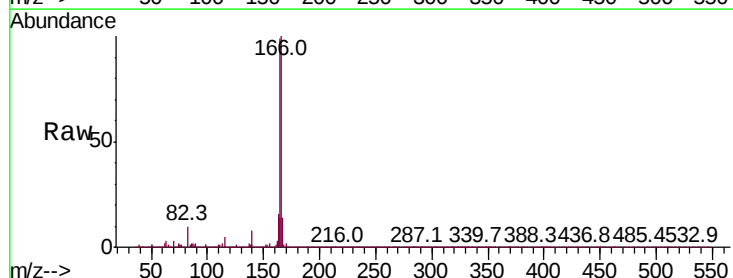
Manual Integrations
APPROVED

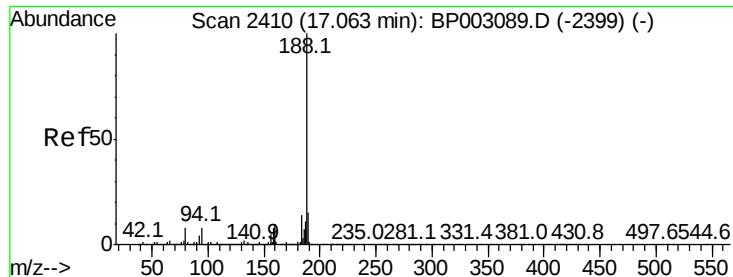
Sohil
9/9/2020 3:48:29 PM



#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

Tgt Ion:	166	Resp:	360949
Ion Ratio	Lower	Upper	
166	100		
165	98.7	77.8	116.8
167	14.2	11.0	16.4





#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

Instrument :

BNA_P

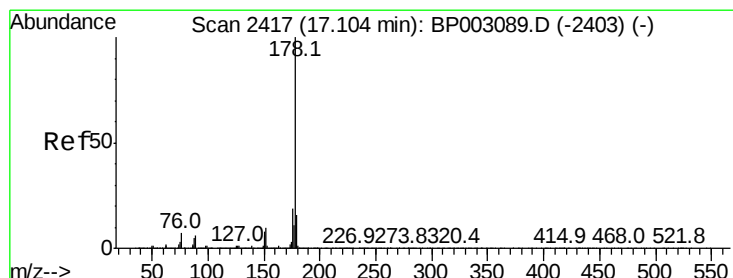
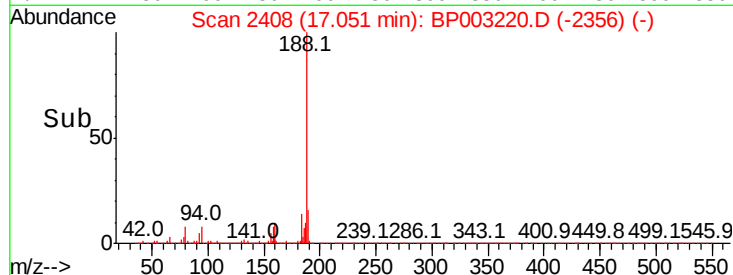
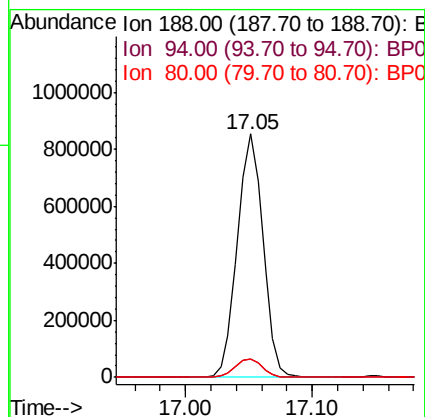
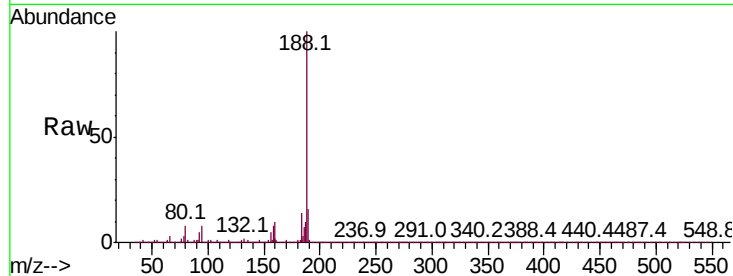
ClientSampled :

AL-FALAH-1

Tot Ion:	188	Resp:	1199470
Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.2	9.2
80	7.7	6.2	9.2

Manual Integrations
APPROVED

Sohil
9/9/2020 3:48:29 PM



#71

Phenanthrene

Concen: 50.341 ng

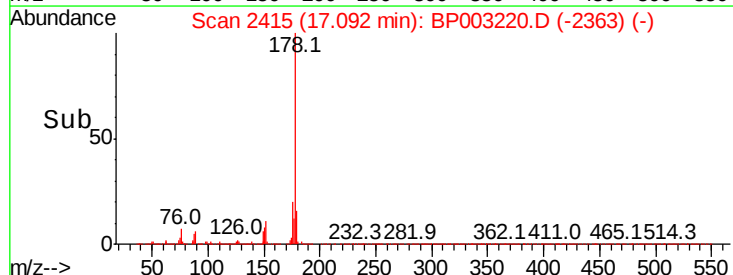
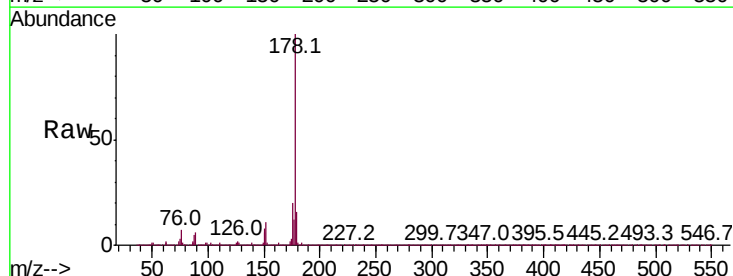
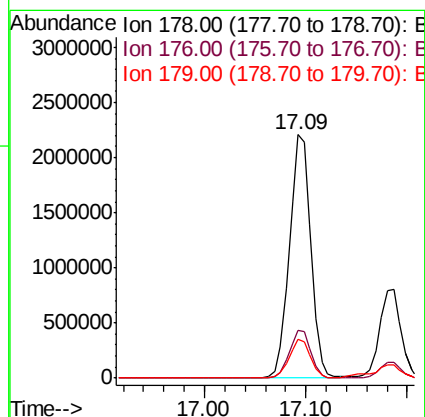
RT: 17.09 min Scan# 2415

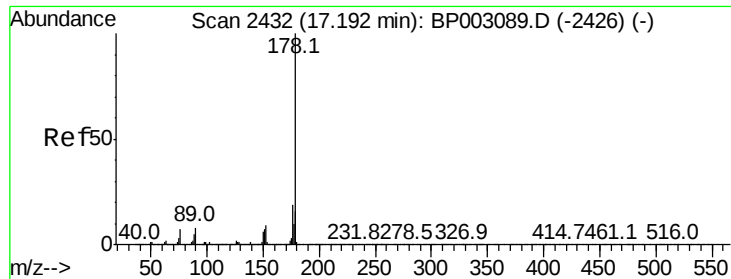
Delta R.T. 0.01 min

Lab File: BP003220.D

Acq: 04 Sep 2020 20:07

Tgt Ion:	178	Resp:	3271914
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.8	12.5	18.7





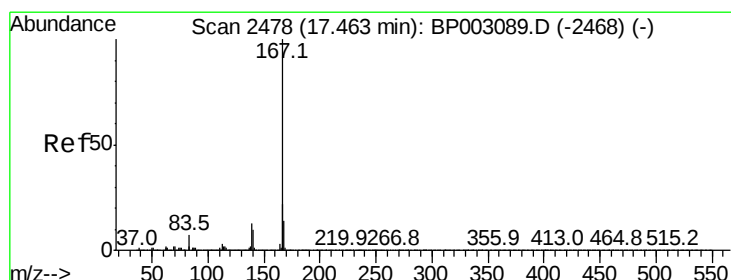
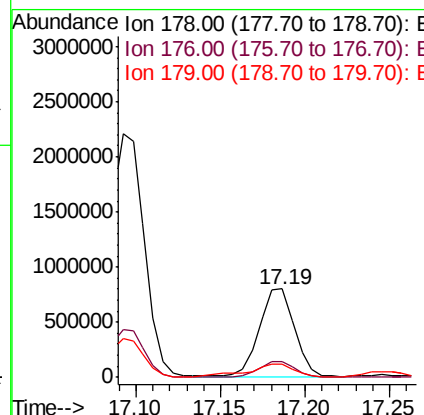
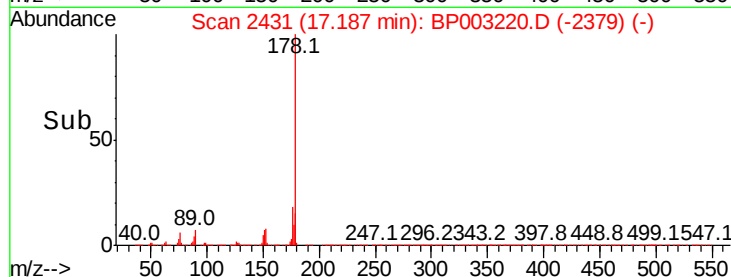
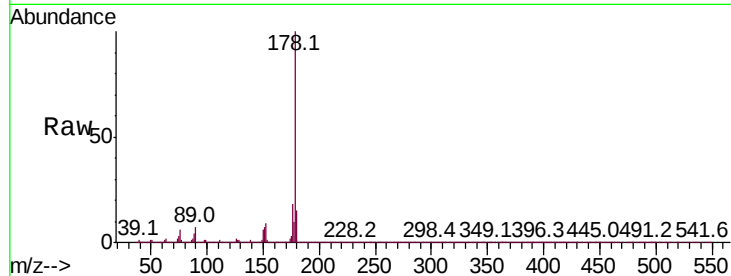
#72
 Anthracene
 Concen: 18.625 ng
 RT: 17.19 min Scan# 2431
 Delta R.T. 0.01 min
 Lab File: BP003220.D
 Acq: 04 Sep 2020 20:07

Instrument :
 BNA_P
 ClientSampleId :
 AL-FALAH-1

Tot Ion:178 Resp: 1158535
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.0 22.4
 179 15.1 12.5 18.7

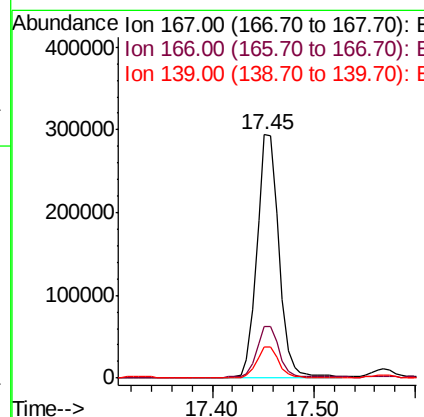
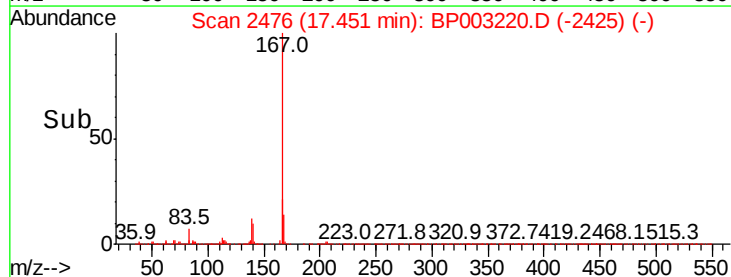
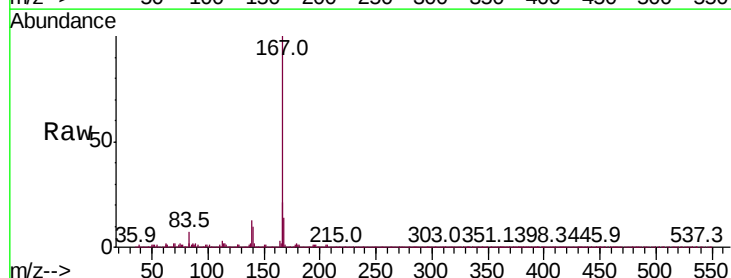
Manual Integrations
 APPROVED

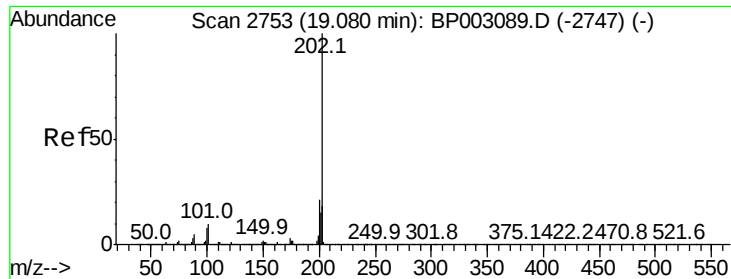
Sohil
 9/9/2020 3:48:29 PM



#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

Tgt Ion:167 Resp: 440746
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.6 26.4
 139 12.6 10.2 15.4





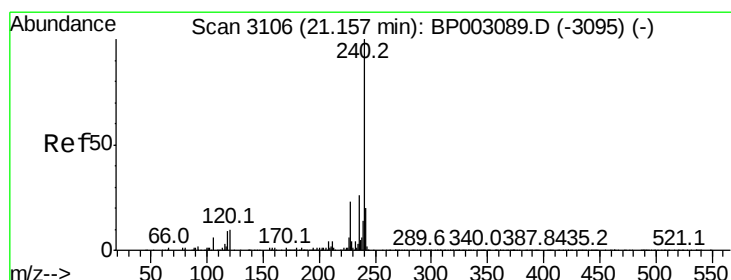
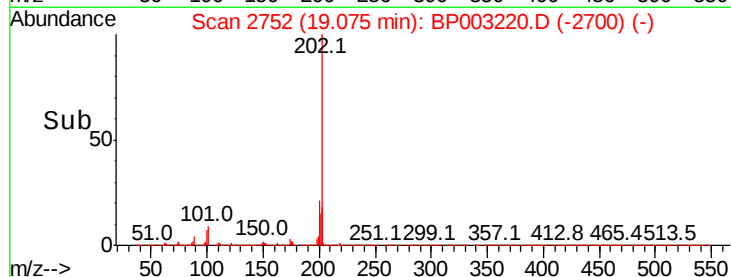
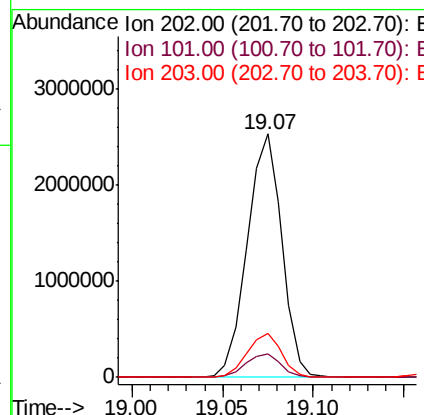
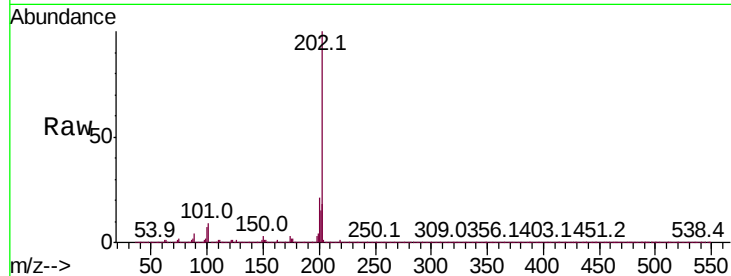
#75
Fluoranthene
Concen: 44.568 ng
RT: 19.07 min Scan# 2752
Delta R.T. 0.01 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

Tot Ion:	202	Resp:	3347930
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	29.4
203	17.9	0.0	37.8

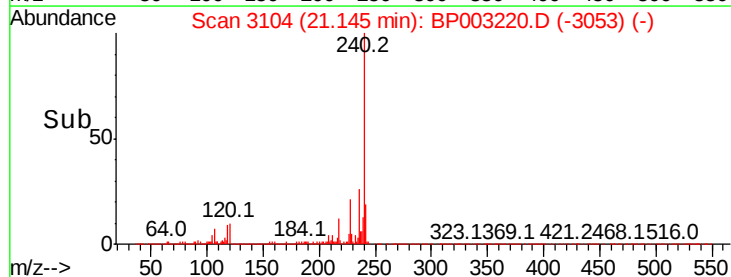
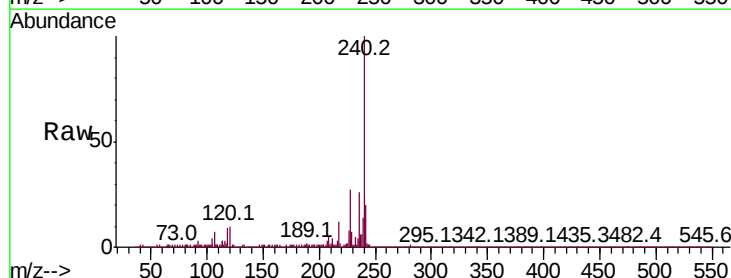
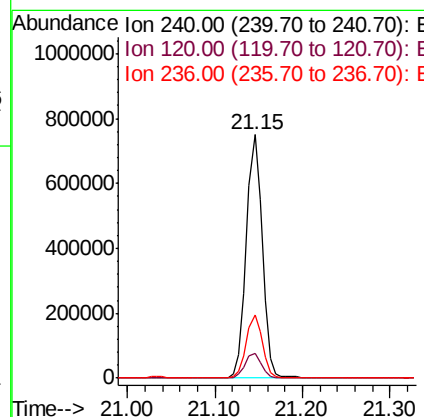
Manual Integrations
APPROVED

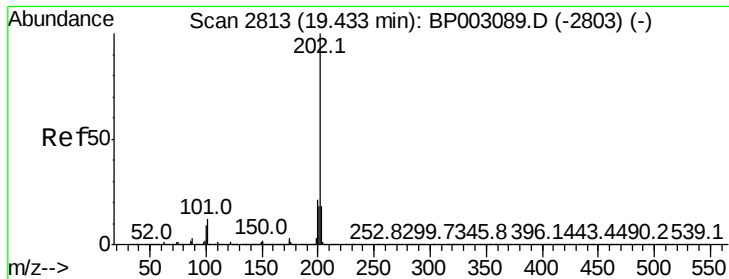
Sohil
9/9/2020 3:48:29 PM



#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

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





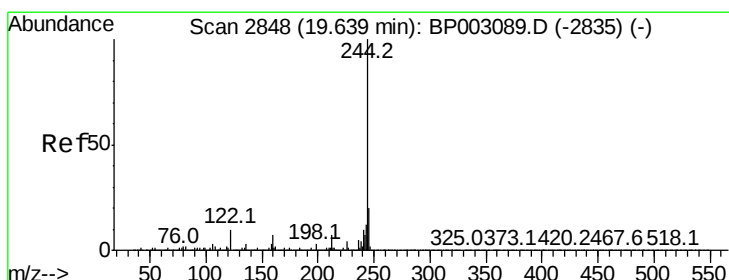
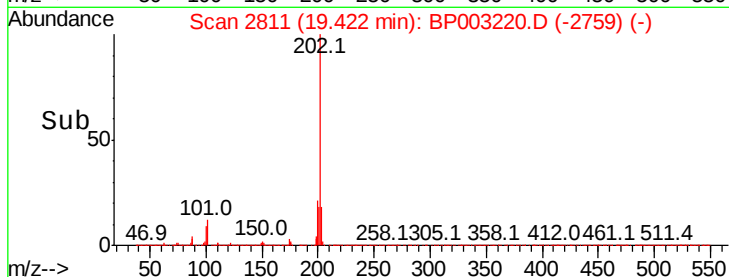
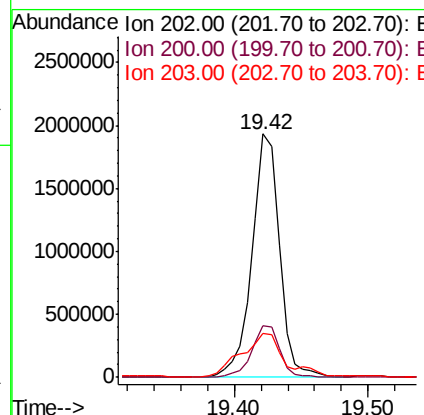
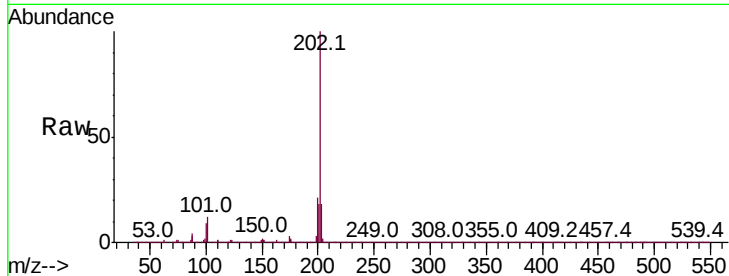
#78
Pvrene
Concen: 46.345 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Instrument :
BNA_P
ClientSampled :
AL-FALAH-1

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	18.3	14.2	21.2

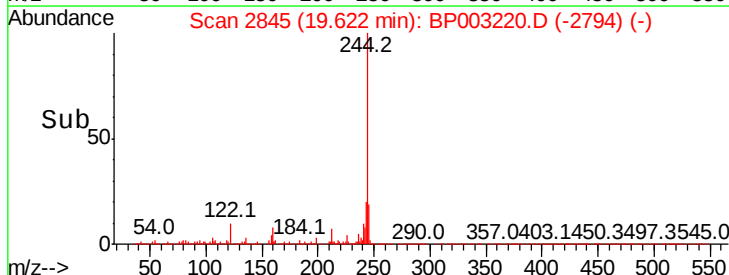
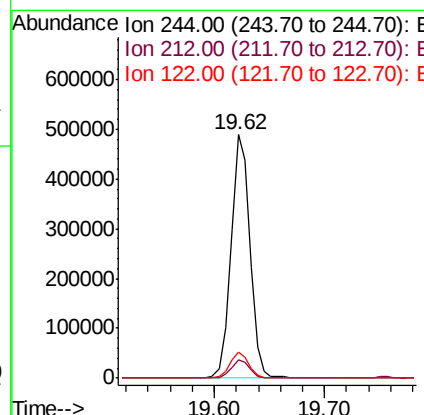
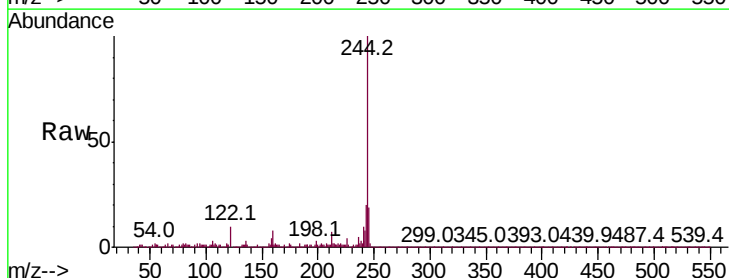
Manual Integrations
APPROVED

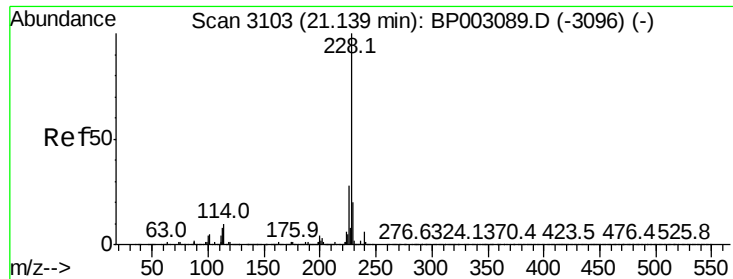
Sohil
9/9/2020 3:48:29 PM



#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

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	10.5	7.8	11.8





#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

Instrument :

BNA_P

ClientSampleId :

AL-FALAH-1

Tot Ion:228 Resp: 1375862

Ion Ratio Lower Upper

228 100

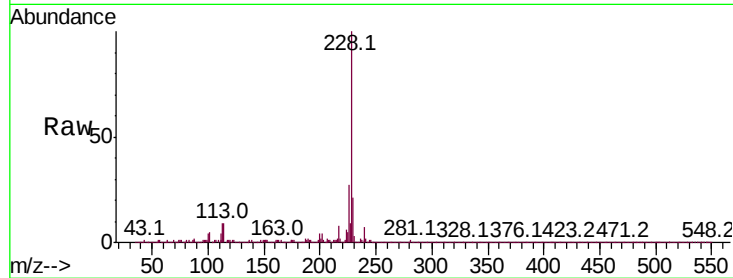
226 27.4 22.1 33.1

229 21.1 15.9 23.9

Manual Integrations
APPROVED

Sohil

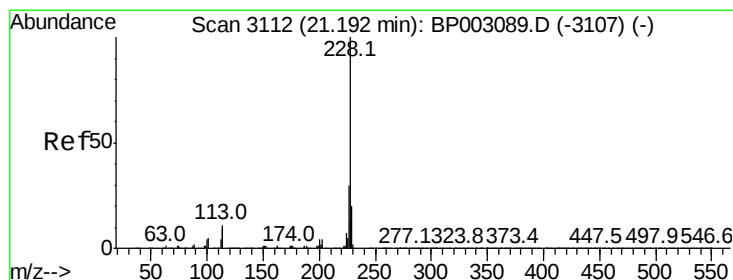
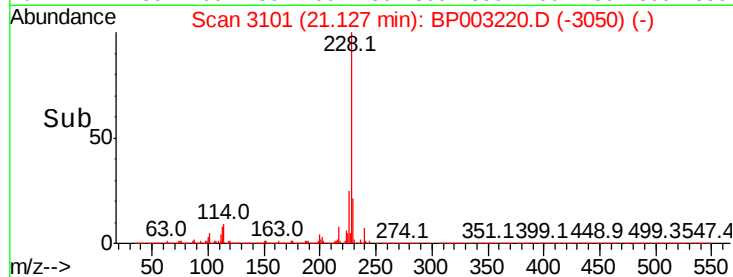
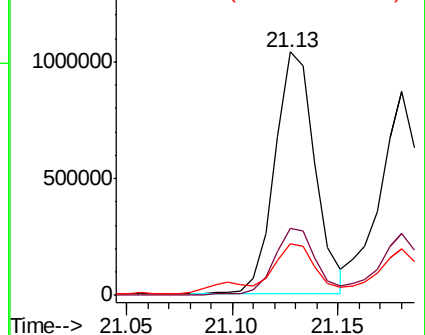
9/9/2020 3:48:29 PM



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

Tgt Ion:228 Resp: 1140279

Ion Ratio Lower Upper

228 100

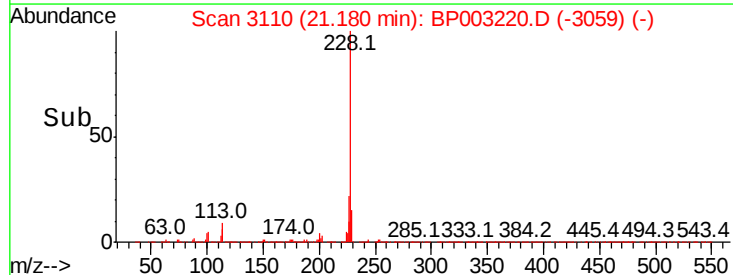
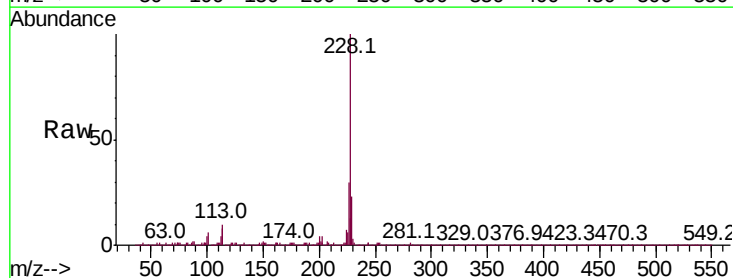
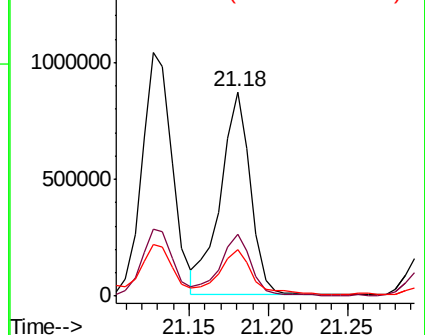
226 30.3 24.4 36.6

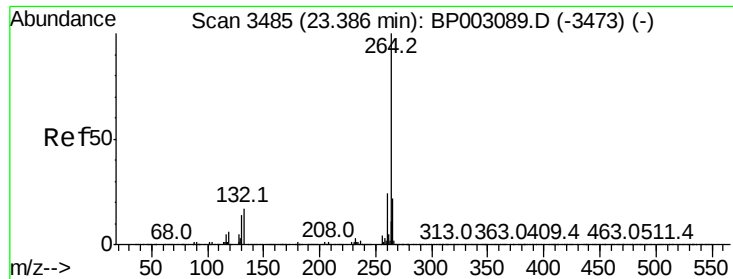
229 22.9 15.8 23.6

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





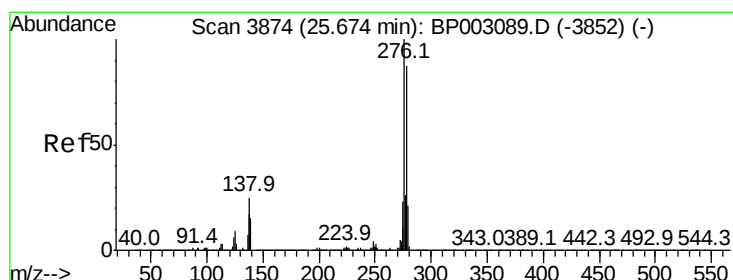
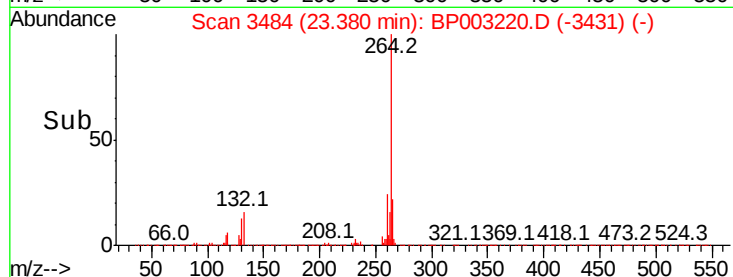
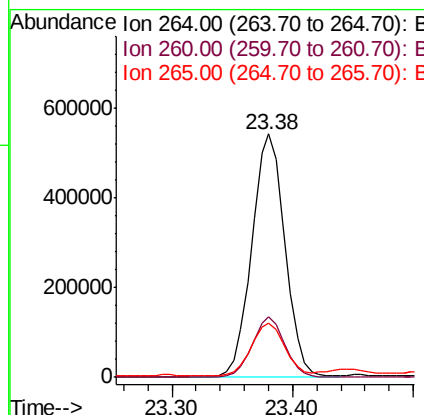
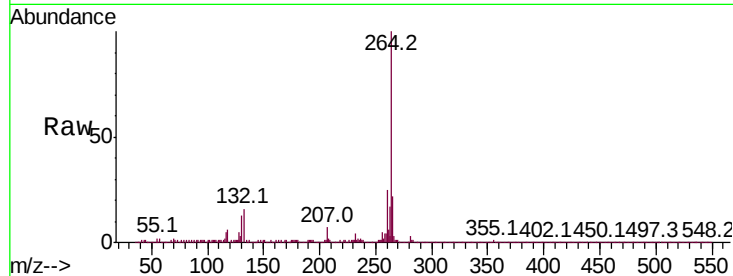
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.8	28.2
265	22.2	17.4	26.2

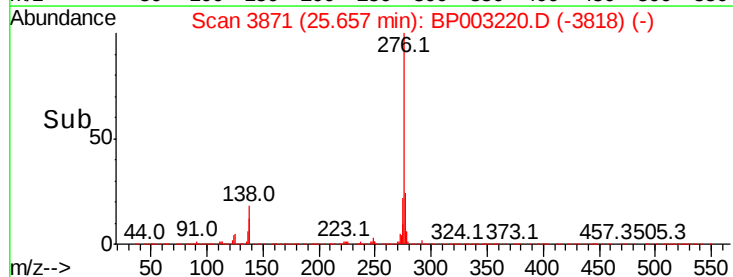
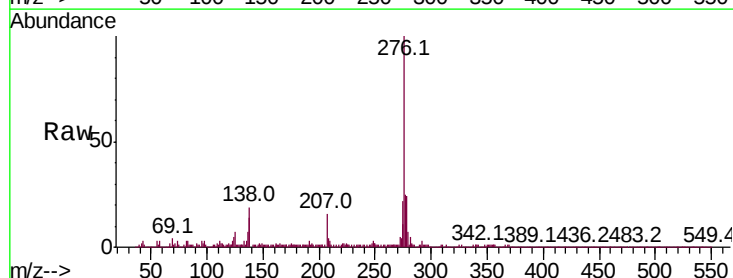
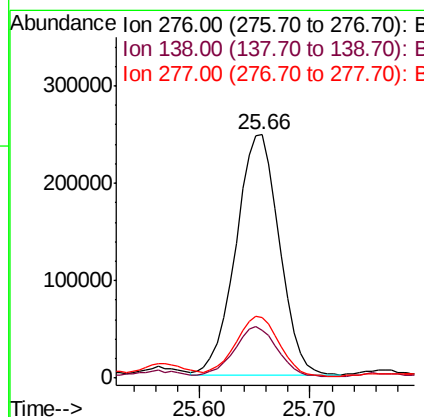
Manual Integrations
APPROVED

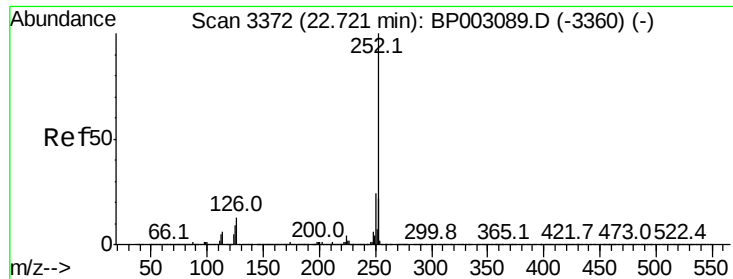
Sohil
9/9/2020 3:48:29 PM



#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

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





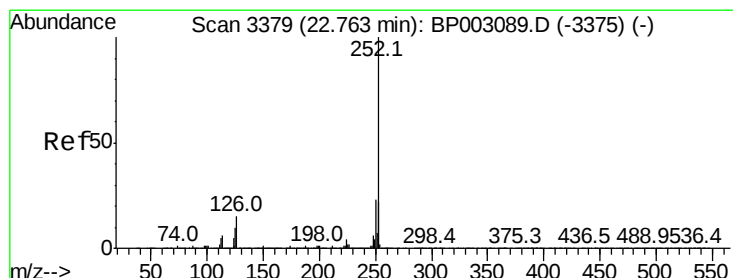
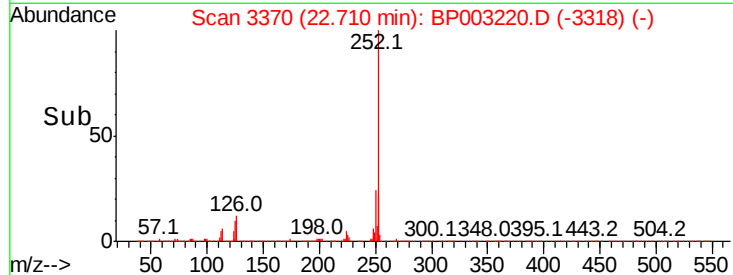
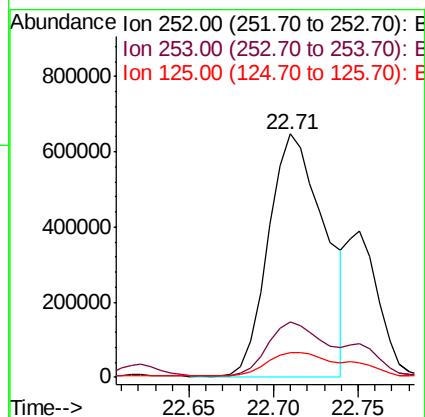
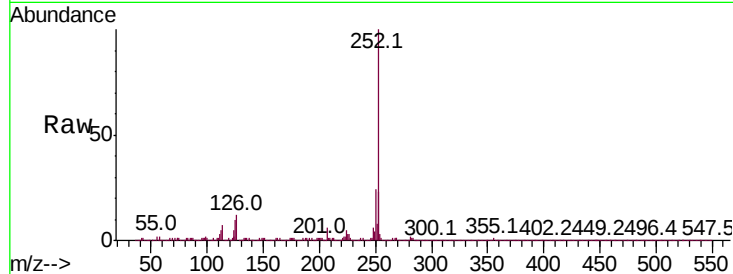
#88
Benzo(b)fluoranthene
Concen: 23.219 ng
RT: 22.71 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

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

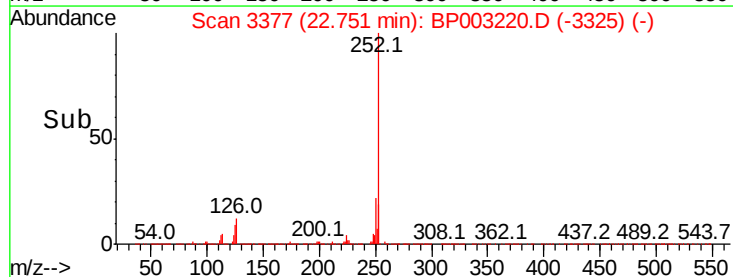
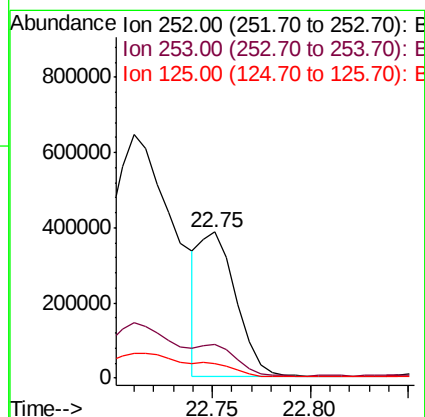
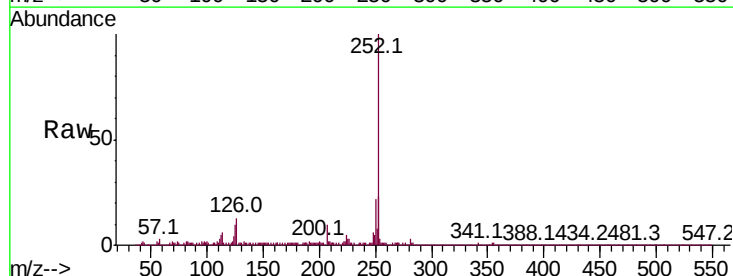
Manual Integrations
APPROVED

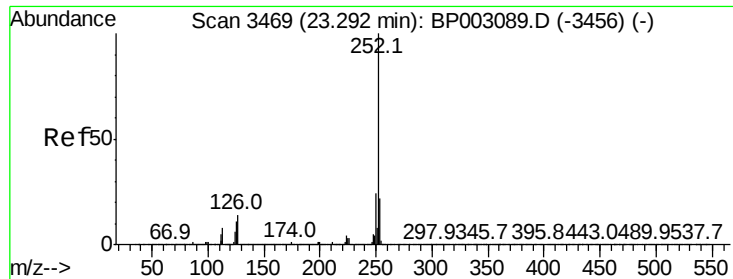
Sohil
9/9/2020 3:48:29 PM



#89
Benzo(k)fluoranthene
Concen: 8.000 ng m
RT: 22.75 min Scan# 3377
Delta R.T. 0.01 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	9.9	7.4	11.2





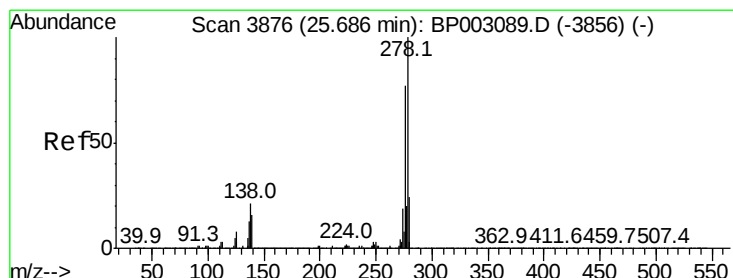
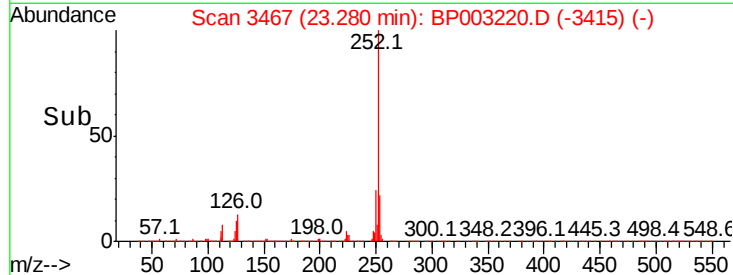
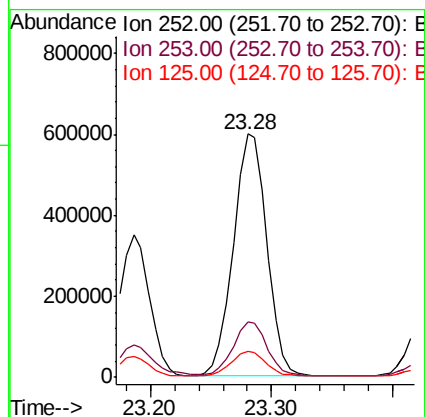
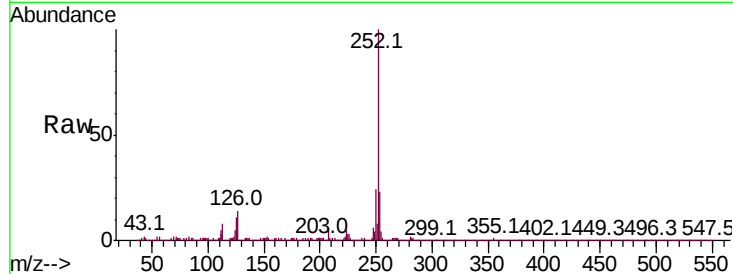
#90
Benzo(a)pyrene
Concen: 19.448 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.01 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Instrument :
BNA_P
ClientSampleId :
AL-FALAH-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.0
125	10.6	8.2	12.4

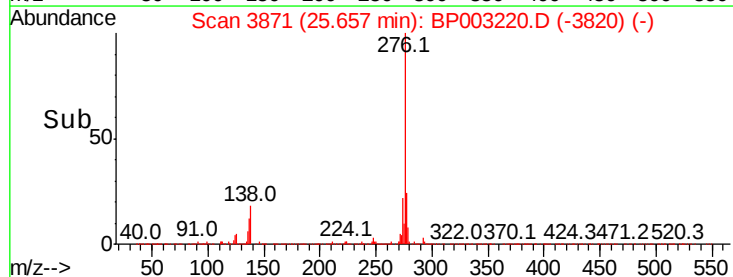
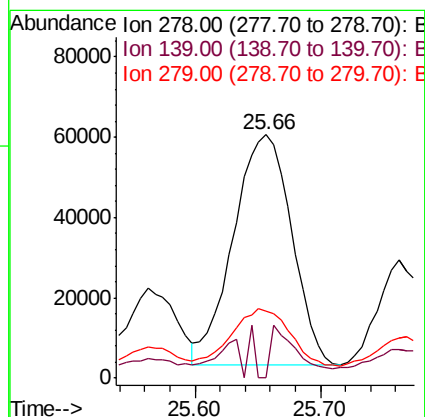
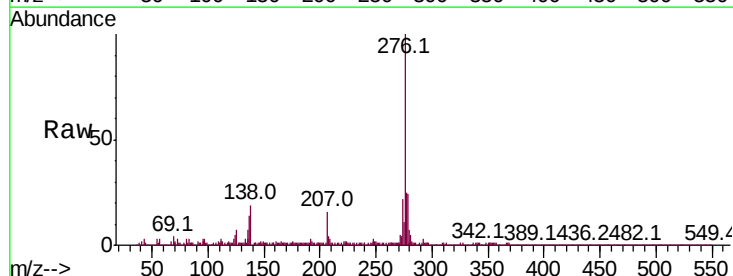
Manual Integrations
APPROVED

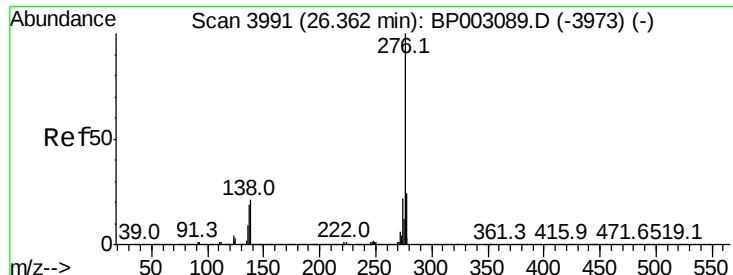
Sohil
9/9/2020 3:48:29 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.920 ng m
RT: 25.66 min Scan# 3871
Delta R.T. -0.00 min
Lab File: BP003220.D
Acq: 04 Sep 2020 20:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.4	18.6#
279	27.5	19.0	28.6





#92

Benzo(a,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

Instrument :

BNA_P

ClientSampleId :

AL-FALAH-1

Tot Ion:	276	Resp:	612848
Ion Ratio		Lower	Upper
276	100		
277	24.3	19.0	28.6
138	20.7	16.6	24.8

Manual Integrations
APPROVED

Sohil
9/9/2020 3:48:29 PM

