

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
 Data File : BP001033.D
 Acq On : 11 Nov 2019 23:39
 Operator : JU
 Sample : K5676-11DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-110819DL

Manual Integrations
 APPROVED

mohammad
 11/12/2019 5:04:56 PM

Quant Time: Nov 12 06:53:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:07:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	244296	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	891433	20.00	ng	0.00
39) Acenaphthene-d10	13.26	164	502614	20.00	ng	0.00
64) Phenanthrene-d10	15.66	188	964883	20.00	ng	0.00
76) Chrysene-d12	19.30	240	731687	20.00	ng	0.00
87) Perylene-d12	21.09	264	681553	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	593845	44.25	ng	0.00
7) Phenol-d6	7.81	99	780382	45.98	ng	0.00
23) Nitrobenzene-d5	9.25	82	462745	28.71	ng	-0.01
42) 2,4,6-Tribromophenol	14.55	330	277505	46.25	ng	0.00
45) 2-Fluorobiphenyl	12.17	172	1039362	31.14	ng	-0.01
79) Terphenyl-d14	17.93	244	1180759	32.10	ng	0.00
Target Compounds						
10) Phenol	7.83	94	49701	2.677	ng	91
50) Dimethylphthalate	12.85	163	86725	2.333	ng	99
71) Phenanthrene	15.69	178	691107	13.995	ng	100
72) Anthracene	15.77	178	195561	4.059	ng	98
75) Fluoranthene	17.40	202	1109598	19.879	ng	98
78) Pyrene	17.71	202	1019090	19.708	ng	99
81) Benzo(a)anthracene	19.29	228	512796	10.406	ng	93
83) Chrysene	19.33	228	487351	11.265	ng	98
86) Indeno(1,2,3-cd)pyrene	22.75	276	197183m	3.331	ng	
88) Benzo(b)fluoranthene	20.59	252	525170m	12.927	ng	
89) Benzo(k)fluoranthene	20.62	252	184055m	4.813	ng	
90) Benzo(a)pyrene	21.01	252	355035	9.504	ng	97
92) Benzo(a,h,i)perylene	23.24	276	168487	4.389	ng	97

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

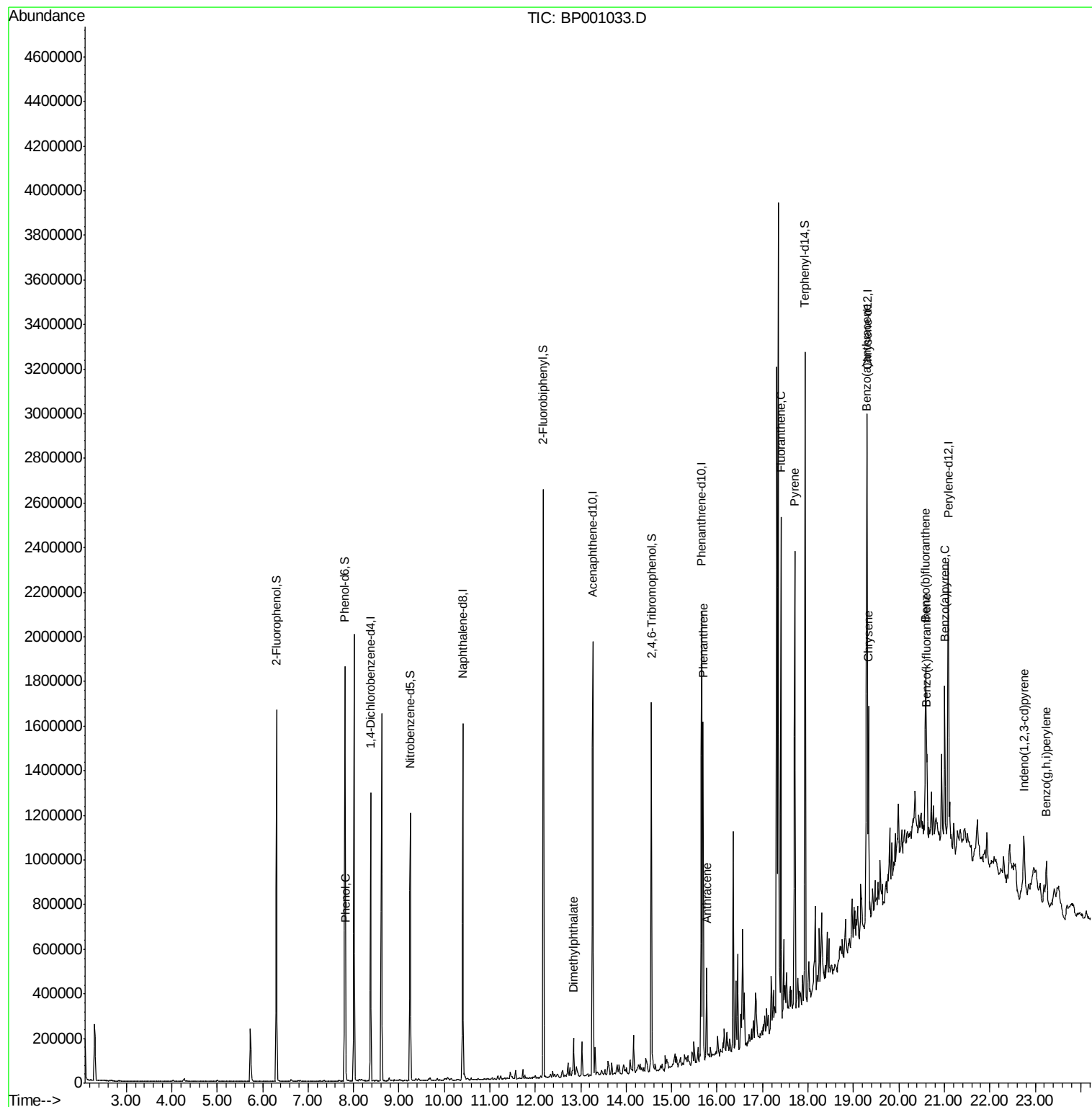
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001033.D
Acq On : 11 Nov 2019 23:39
Operator : JU
Sample : K5676-11DL 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

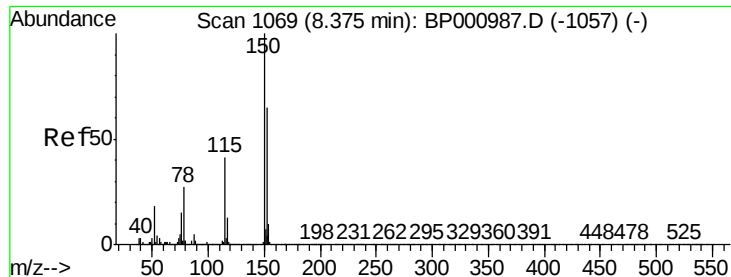
Instrument :
BNA_P
ClientSampleId :
SU-03-110819DL

Manual Integrations
APPROVED

mohammad
11/12/2019 5:04:56 PM

Quant Time: Nov 12 06:53:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 17:07:13 2019
Response via : Initial Calibration





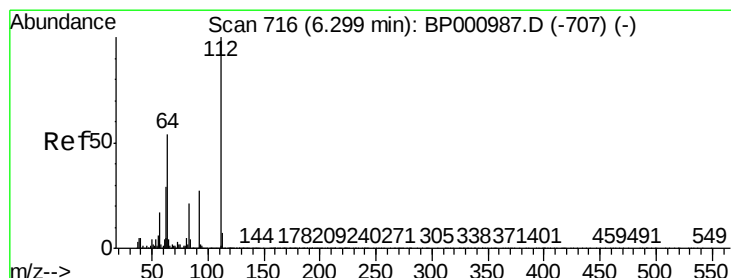
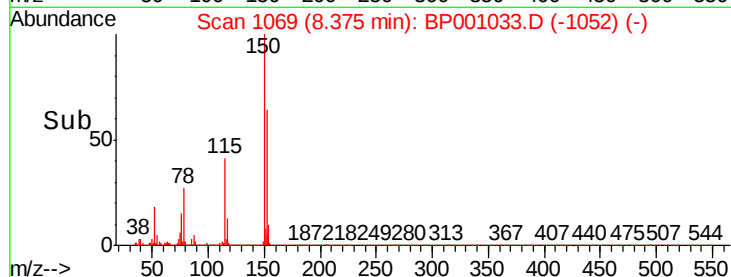
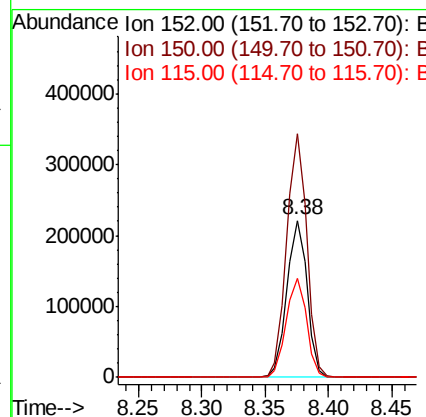
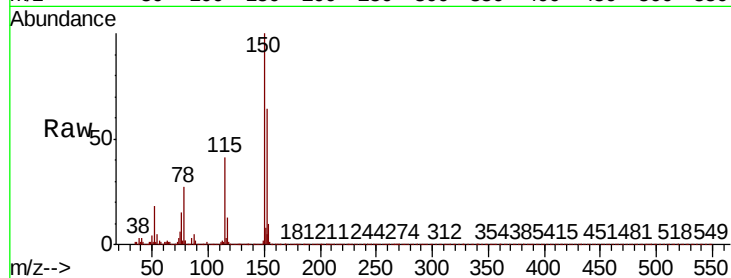
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.38 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Instrument :
BNA_P
ClientSampleId :
SU-03-110819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	123.6	185.4
115	63.4	50.1	75.1

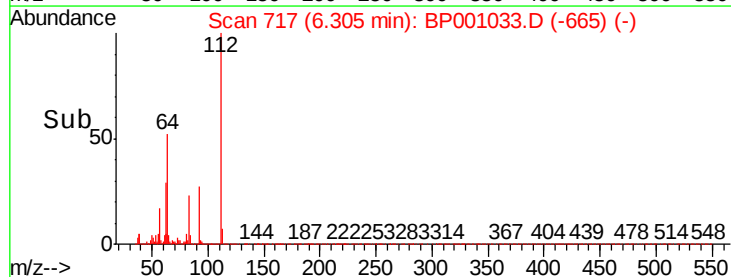
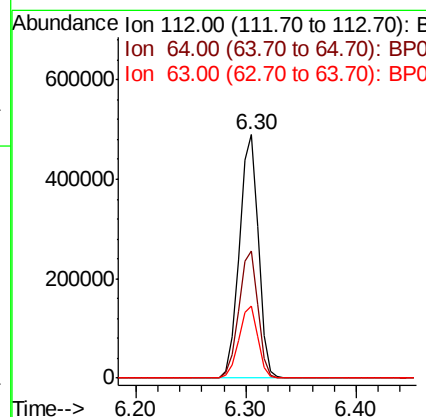
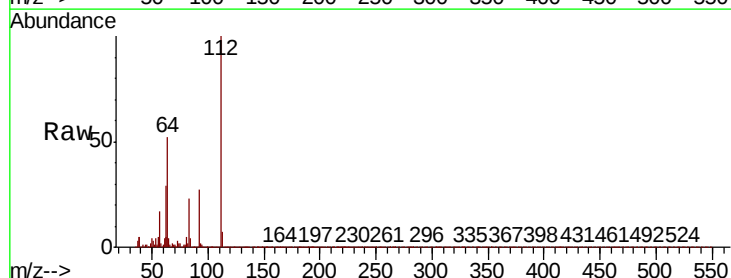
Manual Integrations
APPROVED

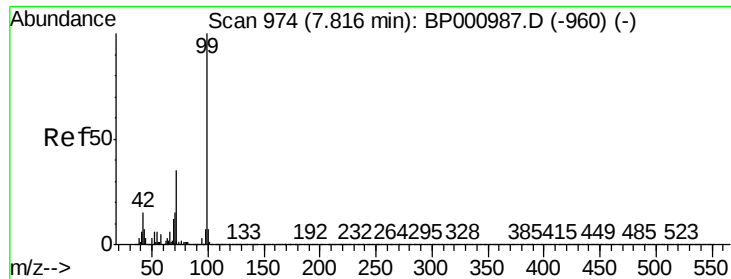
mohammad
11/12/2019 5:04:56 PM



#5
2-Fluorophenol
Concen: 44.246 ng
RT: 6.30 min Scan# 717
Delta R.T. 0.01 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	43.4	65.0
63	29.4	23.4	35.0





#7

Phenol-d6

Concen: 45.980 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.01 min

Lab File: BP001033.D

Acq: 11 Nov 2019 23:39

Instrument :

BNA_P

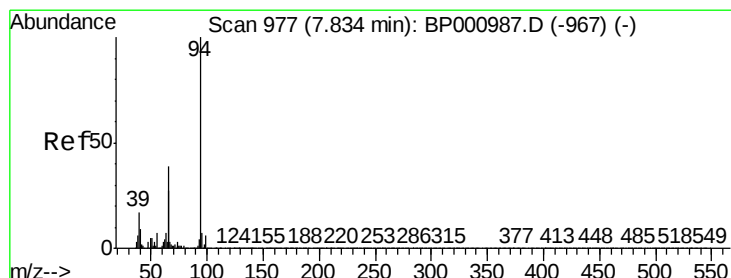
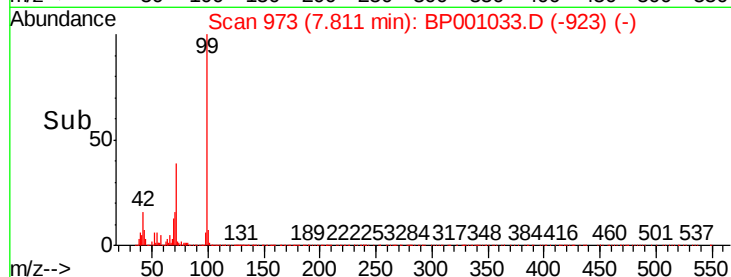
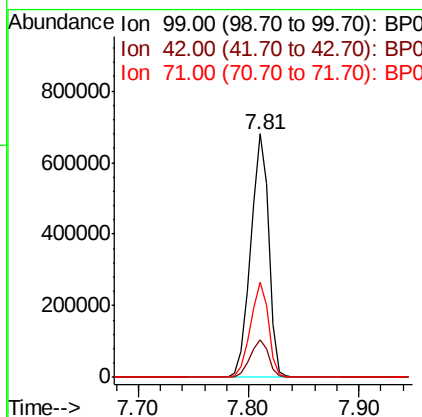
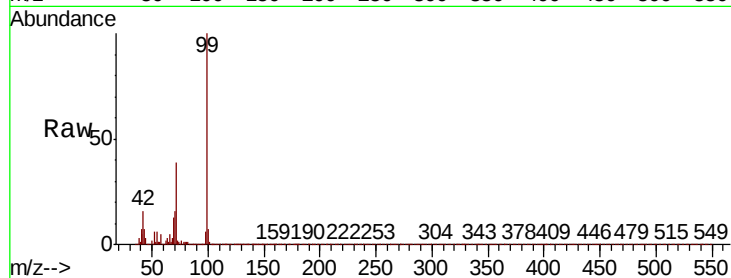
ClientSampleId :

SU-03-110819DL

Tot Ion:	99	Resp:	780382
Ion Ratio	Lower	Upper	
99	100		
42	15.7	11.6	17.4
71	39.0	28.0	42.0

Manual Integrations
APPROVED

mohammad
11/12/2019 5:04:56 PM



#10

Phenol

Concen: 2.677 ng

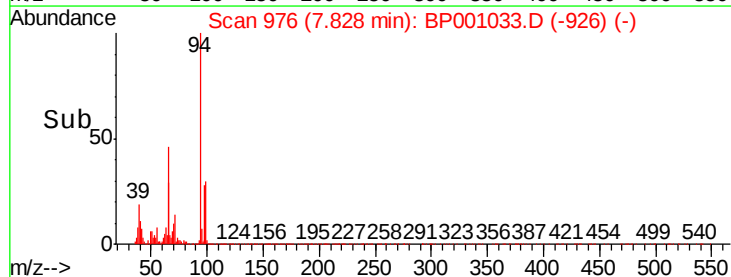
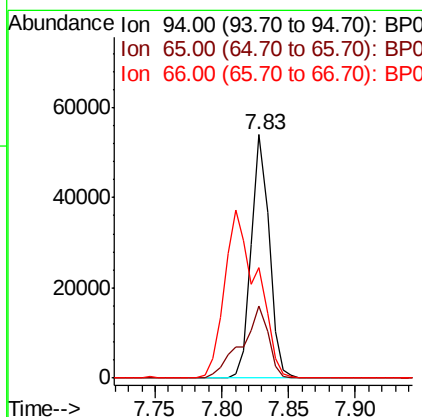
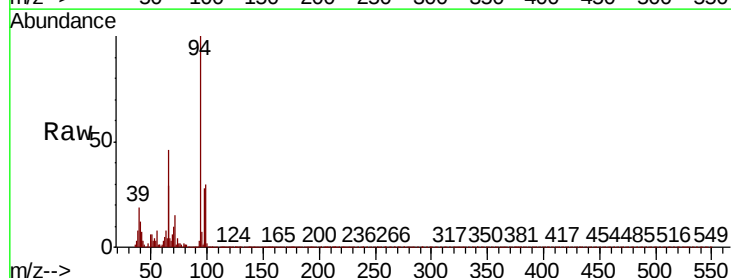
RT: 7.83 min Scan# 976

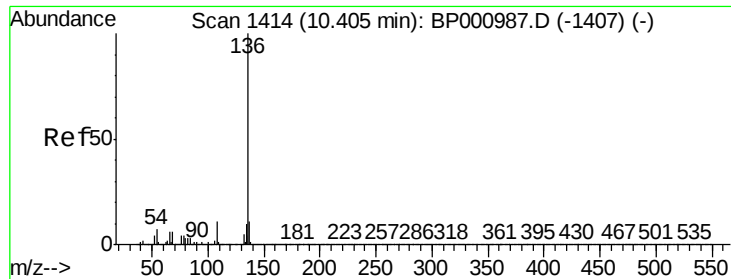
Delta R.T. -0.01 min

Lab File: BP001033.D

Acq: 11 Nov 2019 23:39

Tgt Ion:	94	Resp:	49701
Ion Ratio	Lower	Upper	
94	100		
65	29.4	6.7	46.7
66	45.6	18.6	58.6





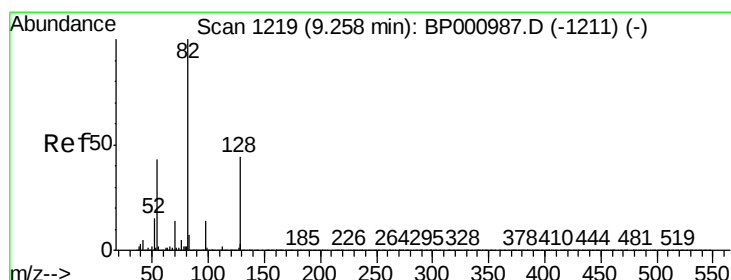
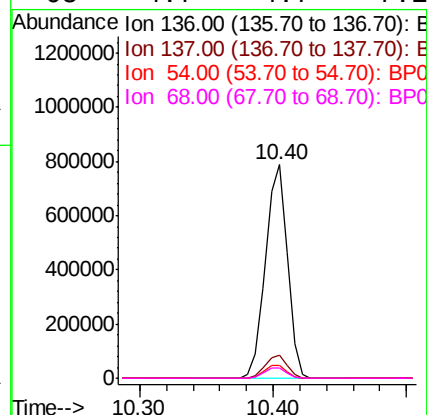
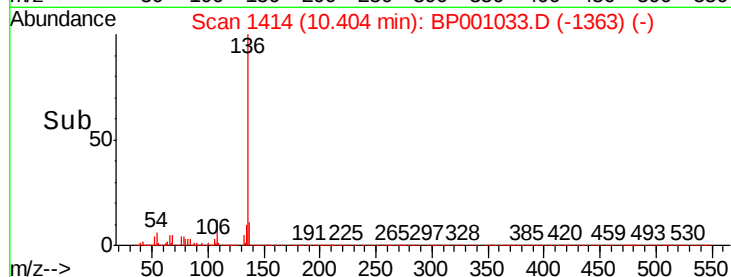
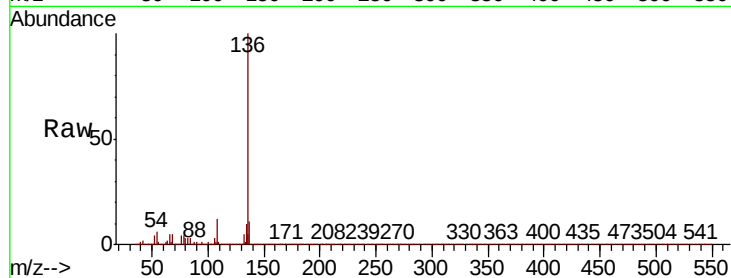
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Instrument :
BNA_P
ClientSampleId :
SU-03-110819DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.7	9.0	13.6		
54	6.0	5.4	8.2		
68	4.7	4.7	7.1		

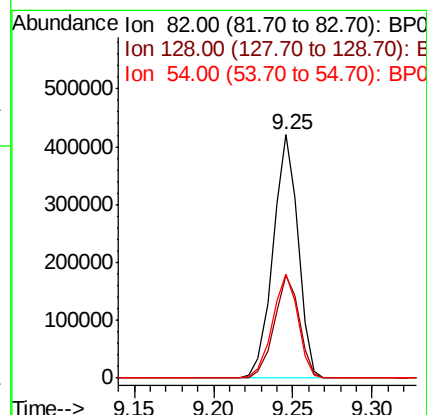
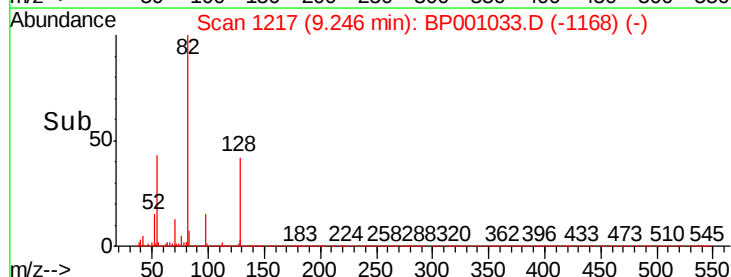
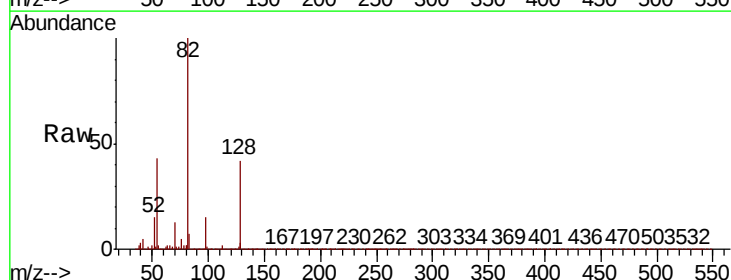
Manual Integrations
APPROVED

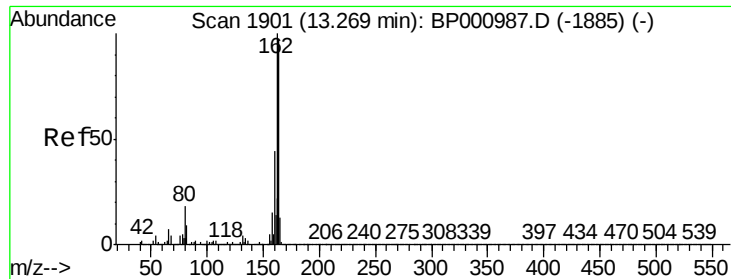
mohammad
11/12/2019 5:04:56 PM



#23
Nitrobenzene-d5
Concen: 28.715 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	42.3	35.3	52.9		
54	42.9	34.3	51.5		





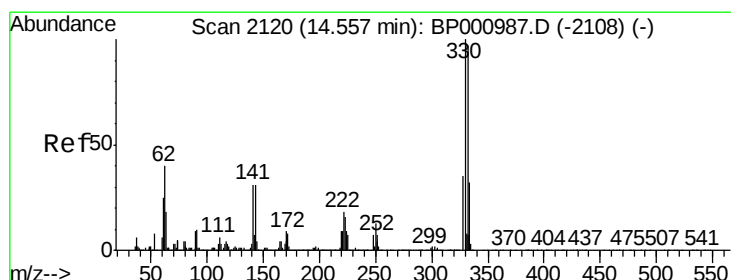
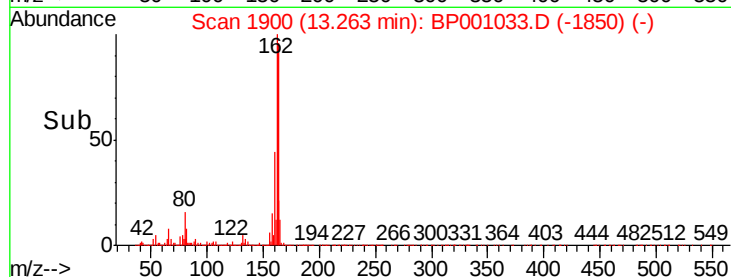
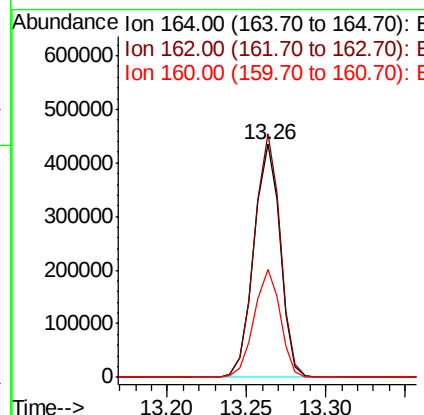
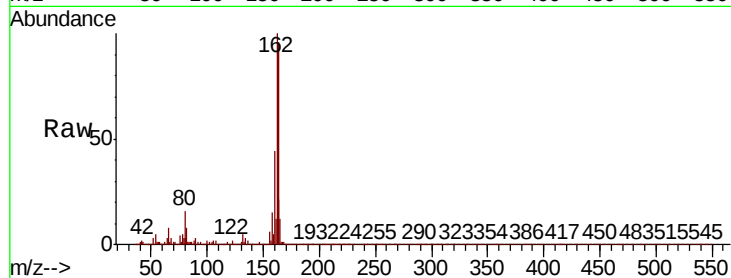
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Instrument :
BNA_P
ClientSampleId :
SU-03-110819DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	46.1	36.5	54.7

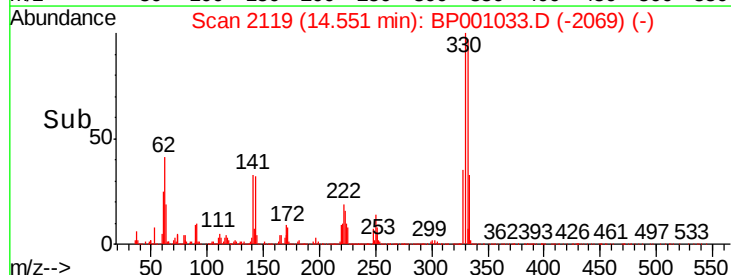
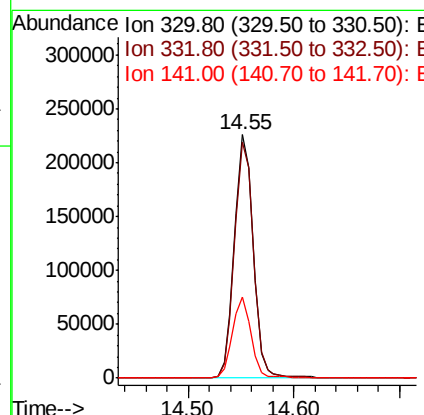
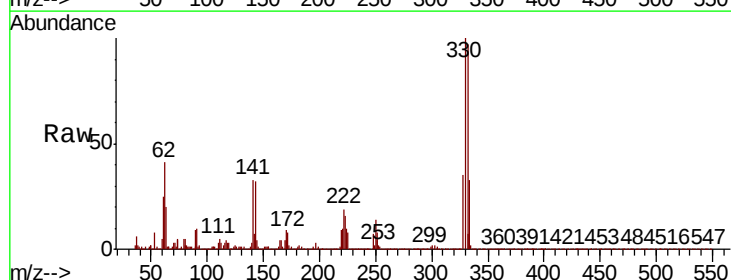
Manual Integrations
APPROVED

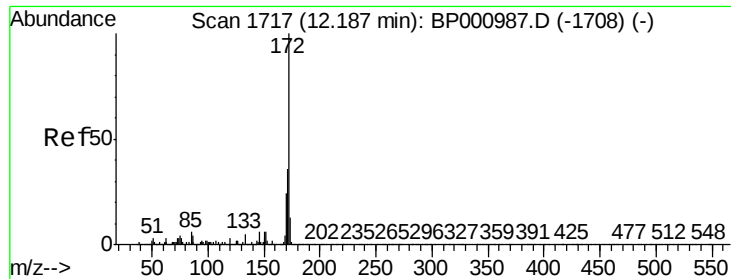
mohammad
11/12/2019 5:04:56 PM



#42
2,4,6-Tribromophenol
Concen: 46.250 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	78.3	117.5
141	32.7	25.0	37.4





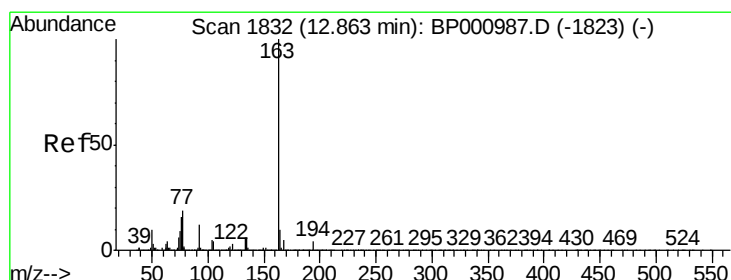
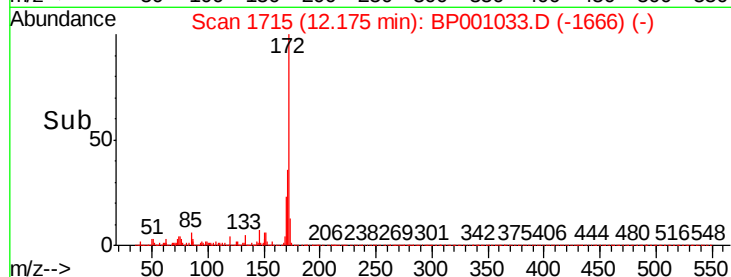
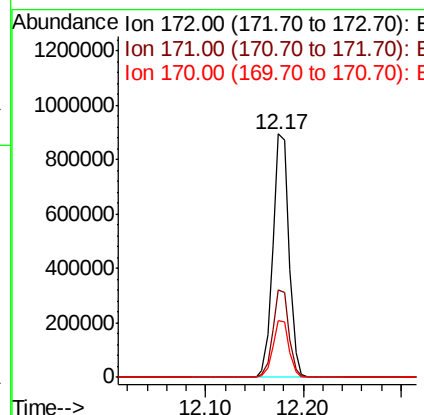
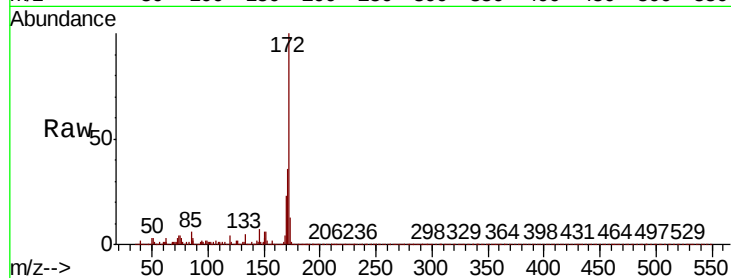
#45
2-Fluorobiphenyl
Concen: 31.145 ng
RT: 12.17 min Scan# 1715
Delta R.T. -0.01 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Instrument :
BNA_P
ClientSampleId :
SU-03-110819DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	23.2	18.9	28.3

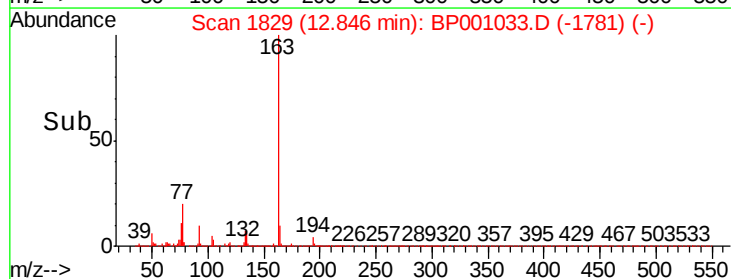
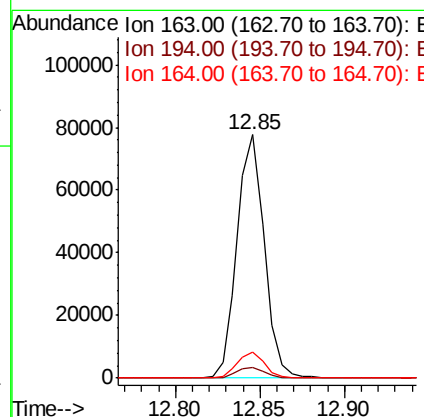
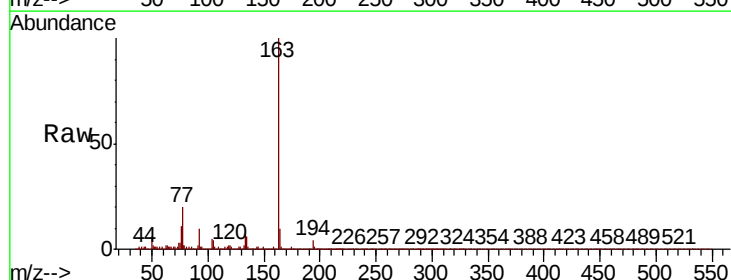
Manual Integrations
APPROVED

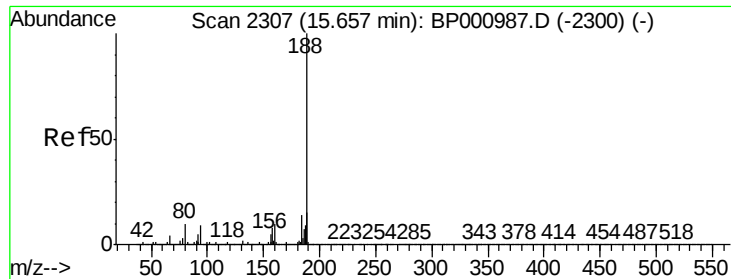
mohammad
11/12/2019 5:04:56 PM



#50
Dimethylphthalate
Concen: 2.333 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.4	7.9	11.9





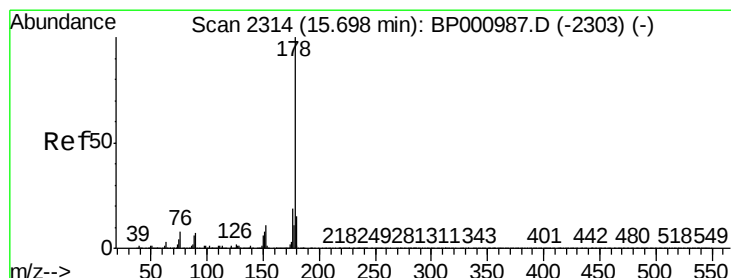
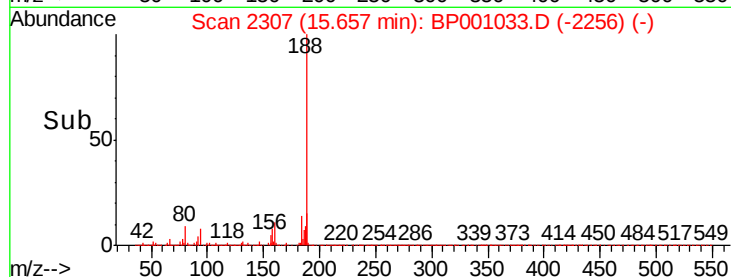
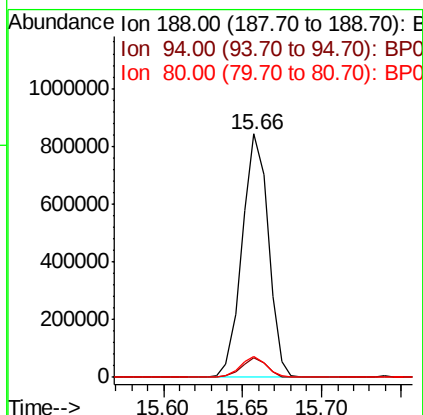
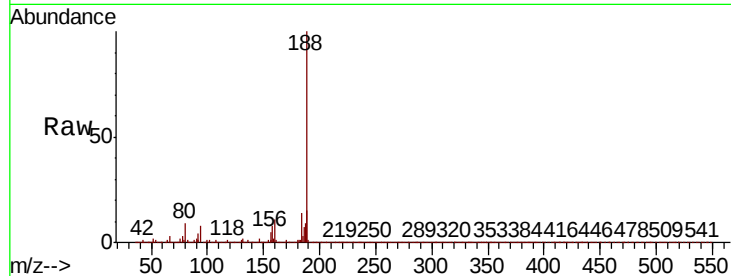
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.00 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Instrument :
BNA_P
ClientSampleId :
SU-03-110819DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		964883		
94	8.0		7.4	11.2	
80	8.6		7.9	11.9	

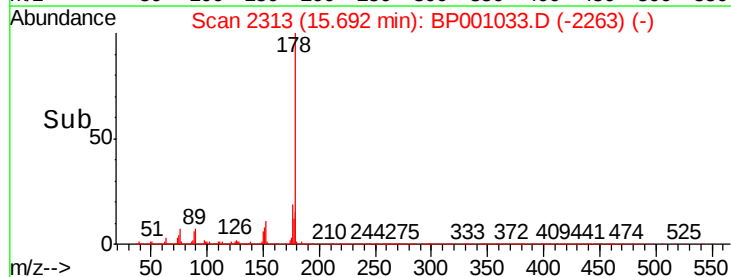
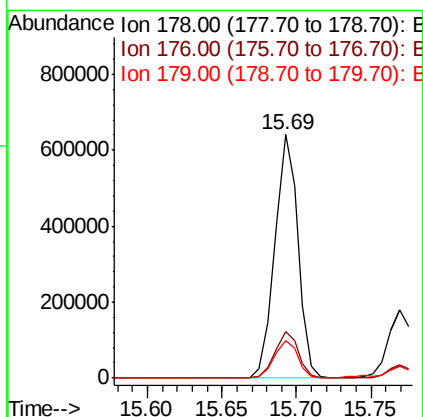
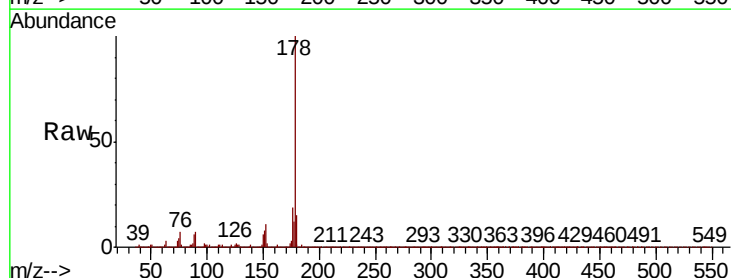
Manual Integrations
APPROVED

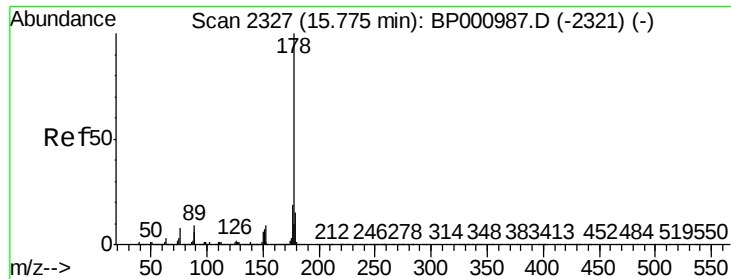
mohammad
11/12/2019 5:04:56 PM



#71
Phenanthrene
Concen: 13.995 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.01 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		691107		
176	19.2		15.5	23.3	
179	15.4		12.3	18.5	





#72

Anthracene

Concen: 4.059 ng

RT: 15.77 min Scan# 2326

Delta R.T. -0.01 min

Lab File: BP001033.D

Acq: 11 Nov 2019 23:39

Instrument :

BNA_P

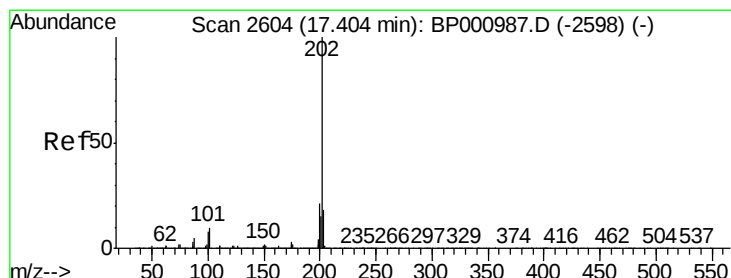
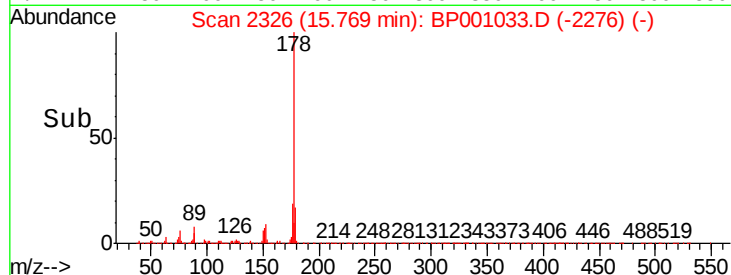
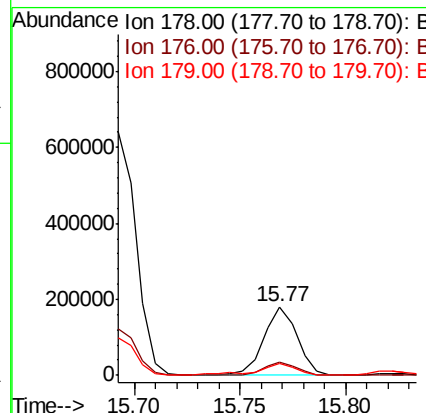
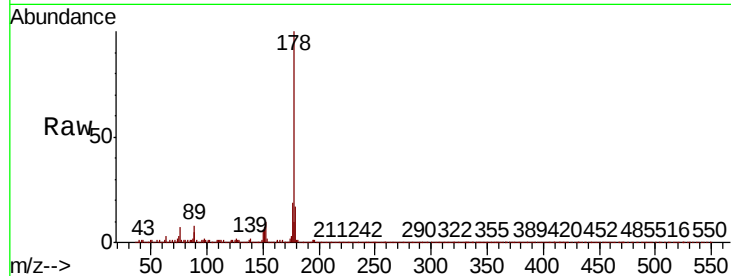
ClientSampleId :

SU-03-110819DL

Tot Ion:	178	Resp:	195561
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.1	22.7
179	17.1	12.3	18.5

Manual Integrations
APPROVED

mohammad
11/12/2019 5:04:56 PM



#75

Fluoranthene

Concen: 19.879 ng

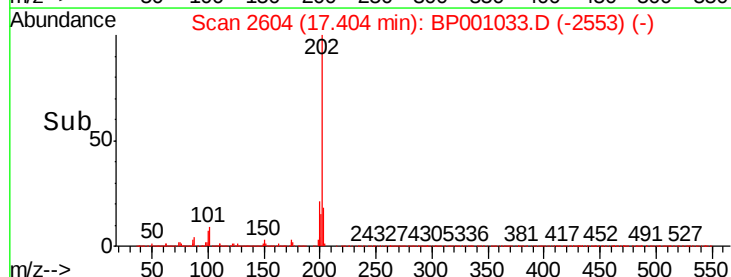
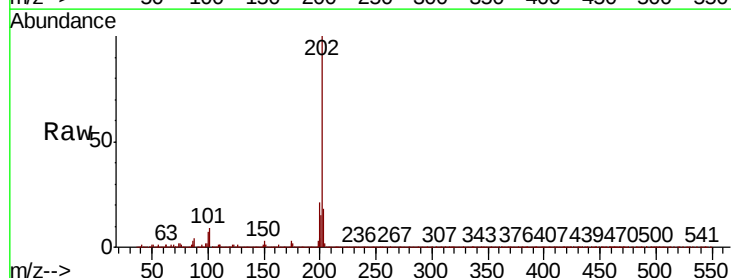
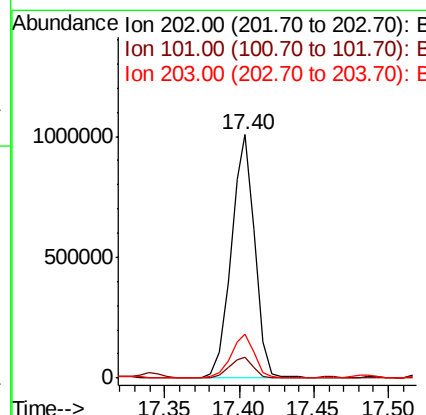
RT: 17.40 min Scan# 2604

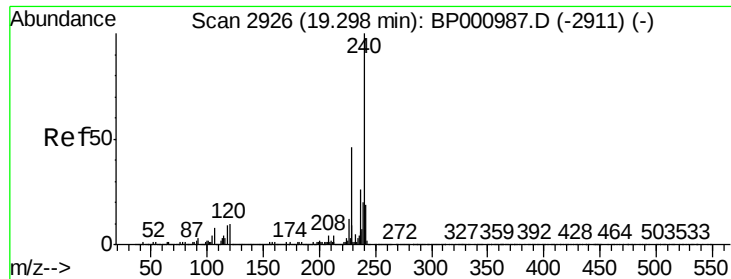
Delta R.T. -0.00 min

Lab File: BP001033.D

Acq: 11 Nov 2019 23:39

Tgt Ion:	202	Resp:	1109598
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	30.1
203	18.0	0.0	37.7





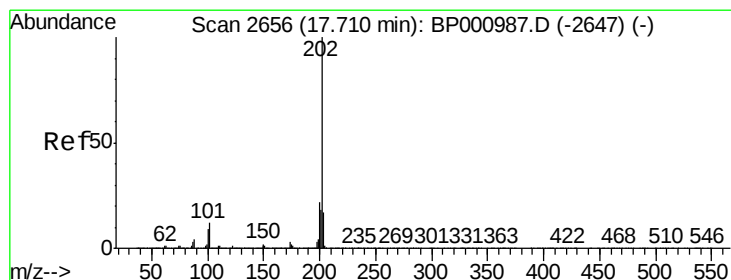
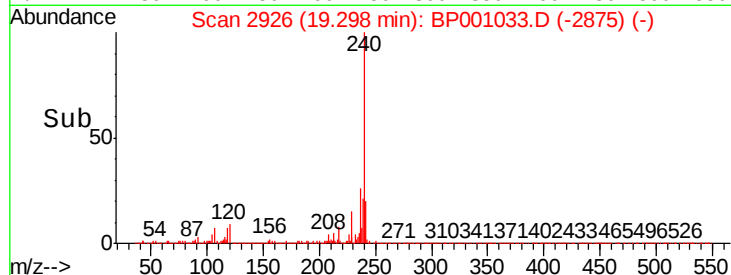
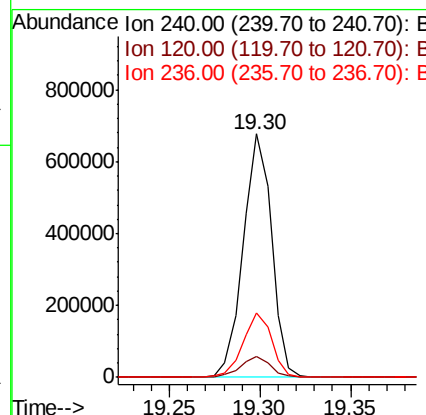
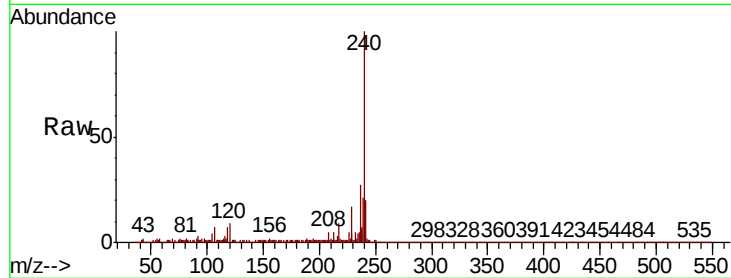
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.30 min Scan# 2926
Delta R.T. -0.00 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Instrument :
BNA_P
ClientSampleId :
SU-03-110819DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	8.2	12.2
236	26.5	20.5	30.7

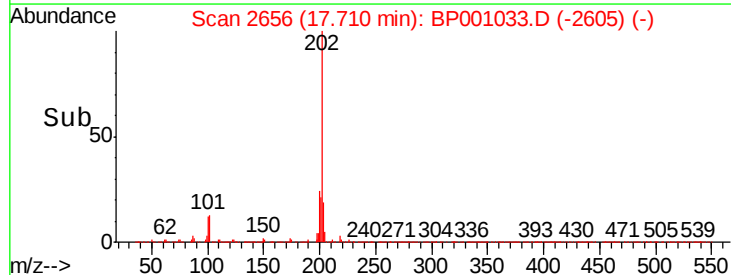
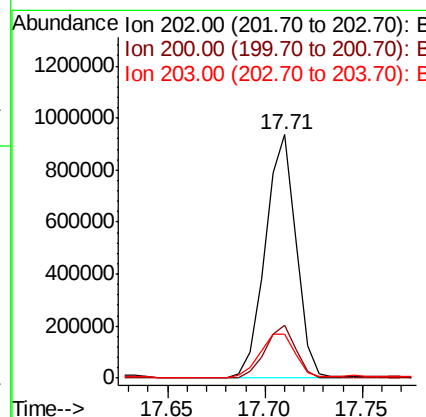
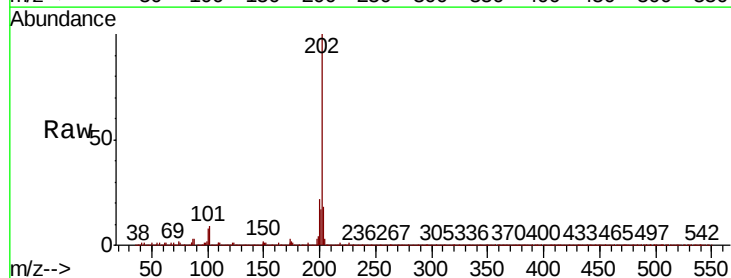
Manual Integrations
APPROVED

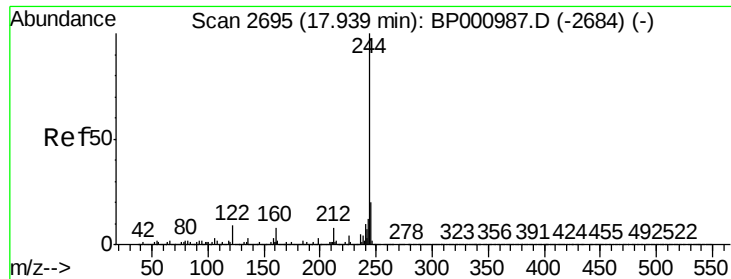
mohammad
11/12/2019 5:04:56 PM



#78
Pyrene
Concen: 19.708 ng
RT: 17.71 min Scan# 2656
Delta R.T. -0.00 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	17.8	14.0	21.0





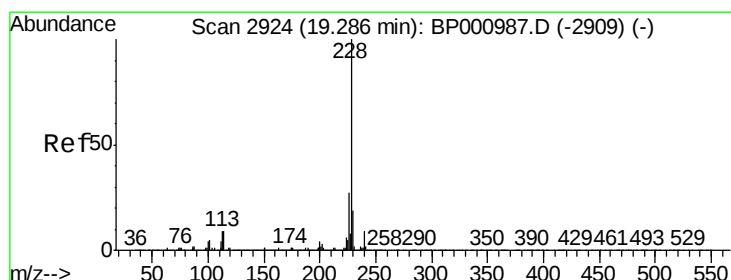
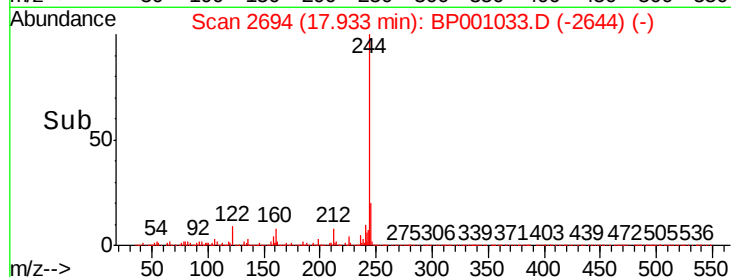
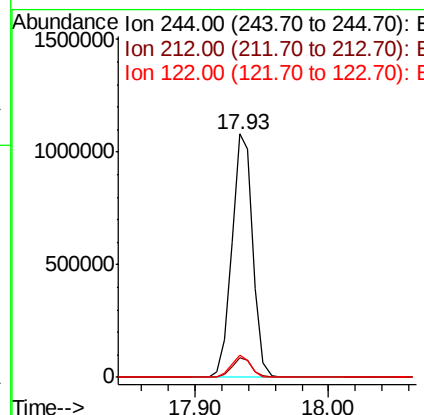
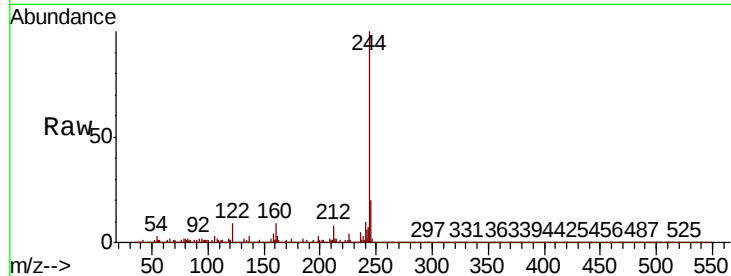
#79
 Terphenyl-d14
 Concen: 32.100 ng
 RT: 17.93 min Scan# 2694
 Delta R.T. -0.01 min
 Lab File: BP001033.D
 Acq: 11 Nov 2019 23:39

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-110819DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	8.9	7.4	11.2

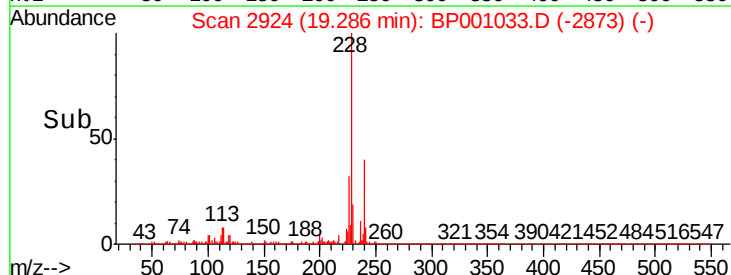
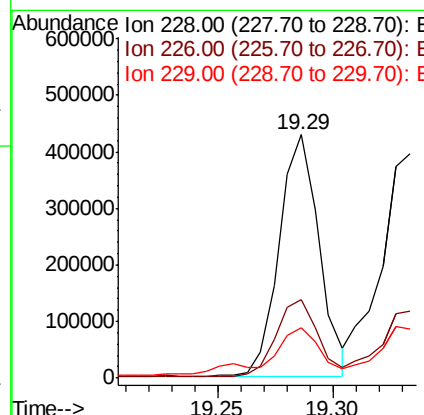
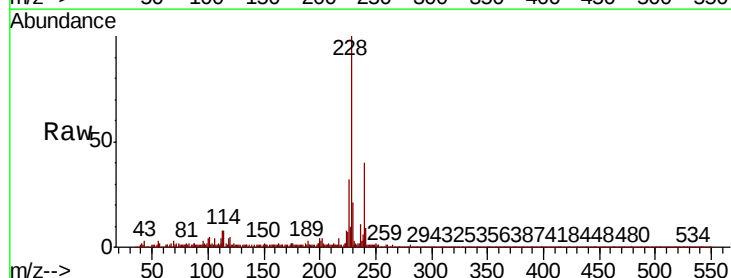
Manual Integrations
 APPROVED

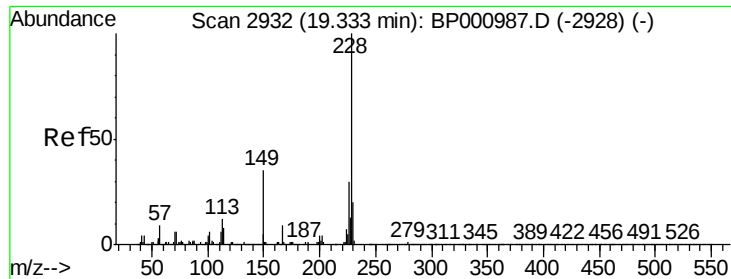
mohammad
 11/12/2019 5:04:56 PM



#81
 Benzo(a)anthracene
 Concen: 10.406 ng
 RT: 19.29 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: BP001033.D
 Acq: 11 Nov 2019 23:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	21.8	32.8
229	20.6	15.6	23.4





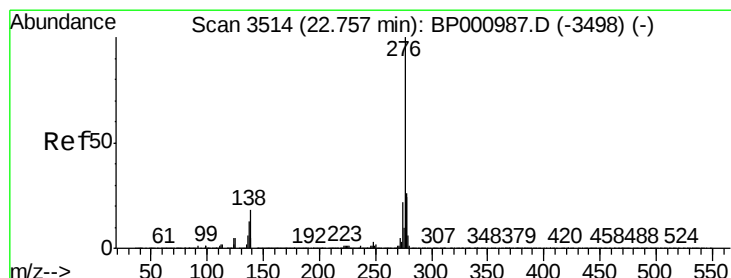
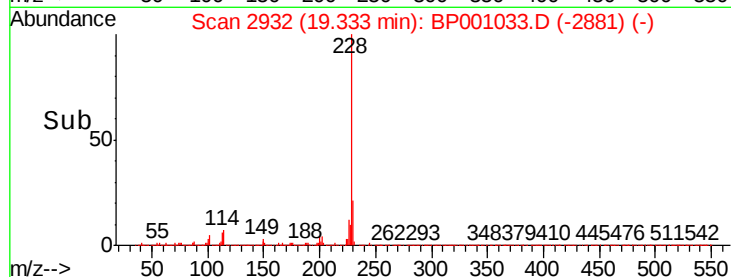
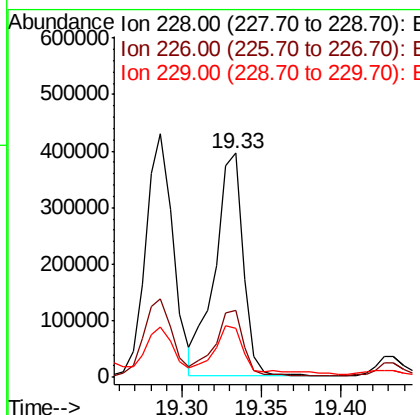
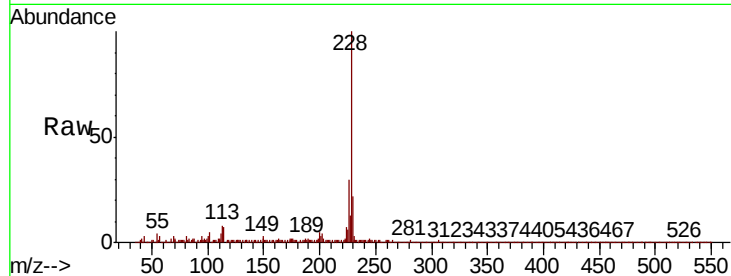
#83
Chrysene
Concen: 11.265 ng
RT: 19.33 min Scan# 2932
Delta R.T. -0.00 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Instrument :
BNA_P
ClientSampleId :
SU-03-110819DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	21.8	15.8	23.6

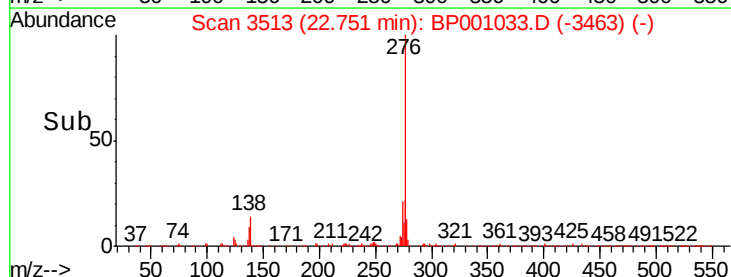
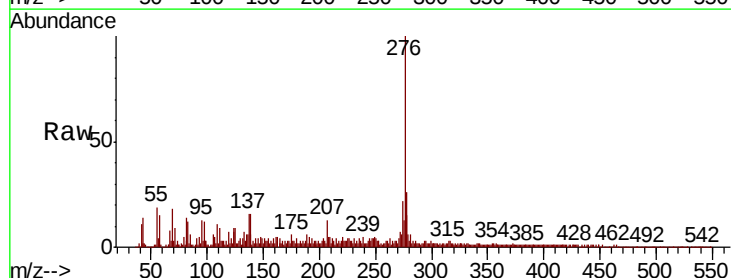
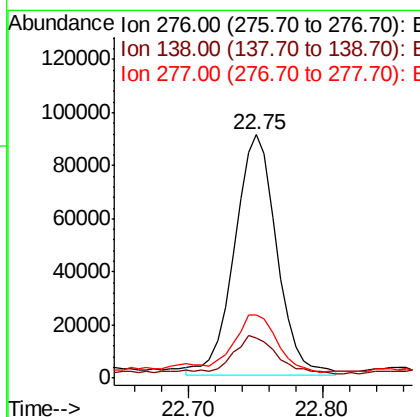
Manual Integrations
APPROVED

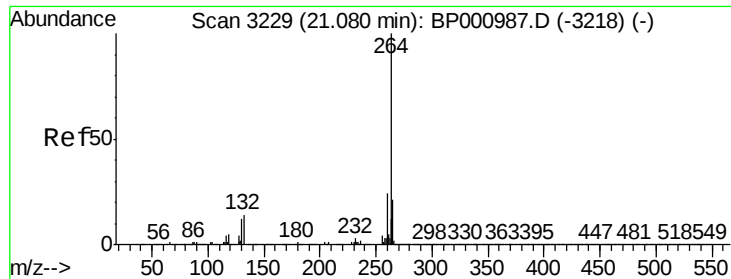
mohammad
11/12/2019 5:04:56 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.331 ng m
RT: 22.75 min Scan# 3513
Delta R.T. -0.01 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	3.6	17.6	26.4#
277	5.5	20.2	30.4#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.09 min Scan# 3230

Delta R.T. 0.01 min

Lab File: BP001033.D

Acq: 11 Nov 2019 23:39

Instrument :

BNA_P

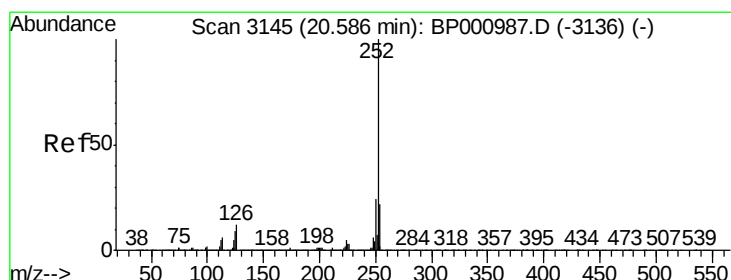
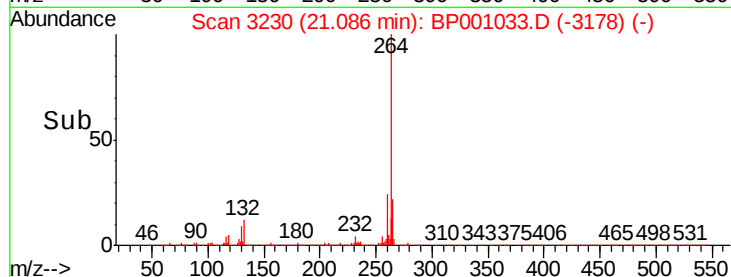
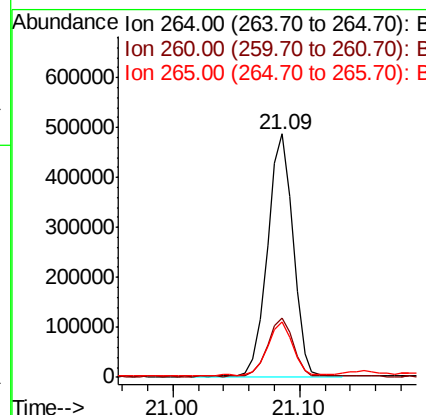
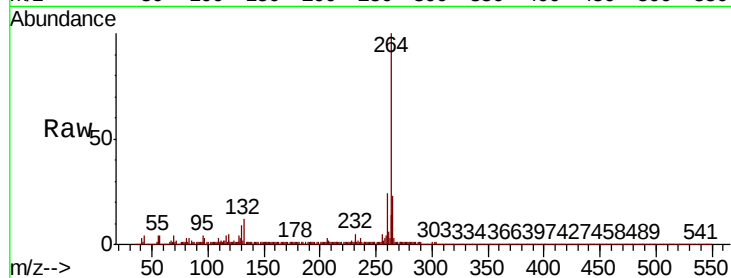
ClientSampleId :

SU-03-110819DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	22.6	17.1	25.7

Manual Integrations
APPROVED

mohammad
11/12/2019 5:04:56 PM



#88

Benzo(b)fluoranthene

Concen: 12.927 ng m

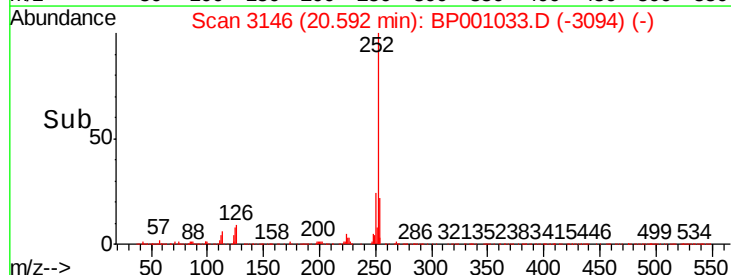
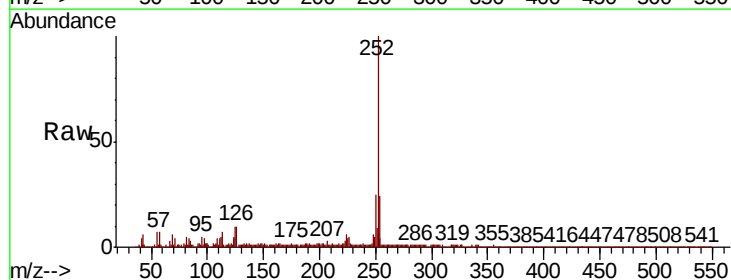
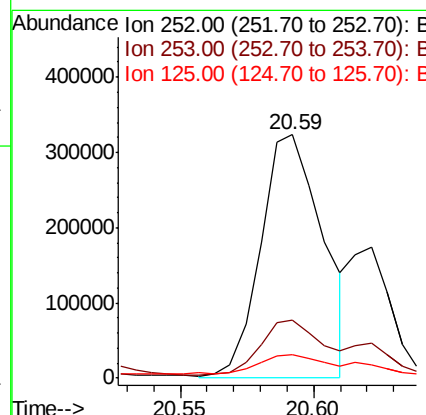
RT: 20.59 min Scan# 3146

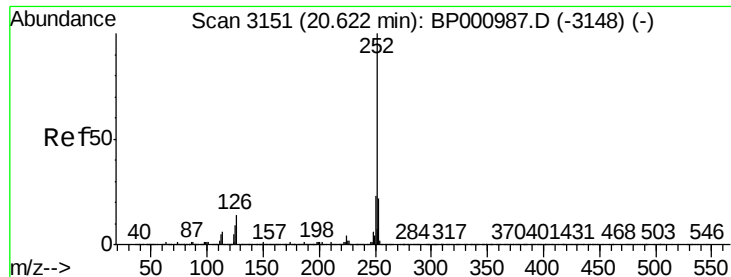
Delta R.T. 0.01 min

Lab File: BP001033.D

Acq: 11 Nov 2019 23:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	9.8	7.3	10.9





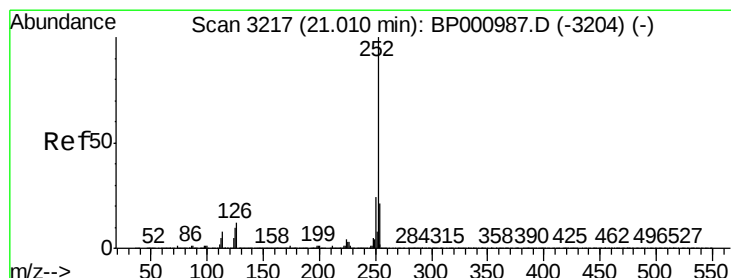
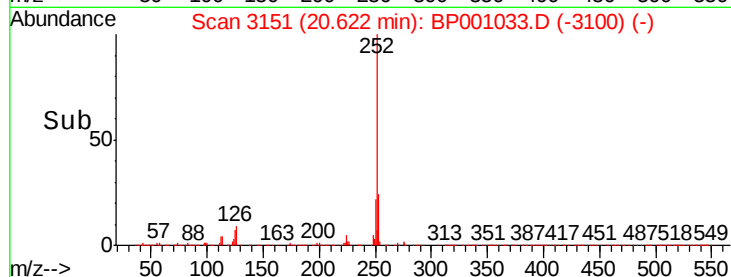
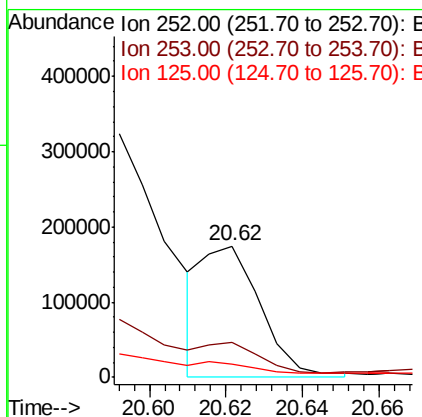
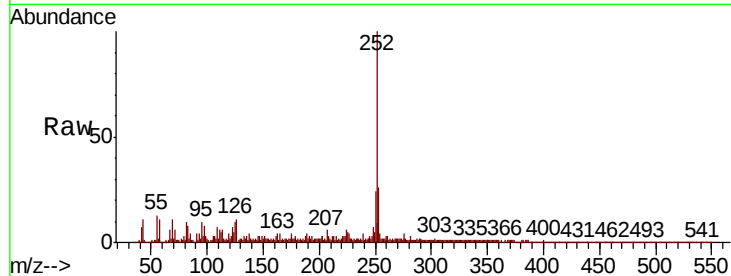
#89
Benzo(k)fluoranthene
Concen: 4.813 ng m
RT: 20.62 min Scan# 3151
Delta R.T. -0.00 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Instrument :
BNA_P
ClientSampleId :
SU-03-110819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.7	26.5
125	10.1	7.3	10.9

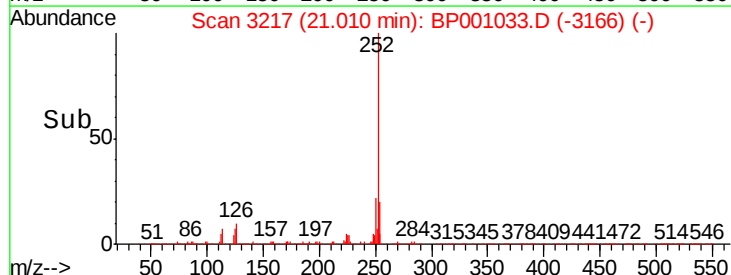
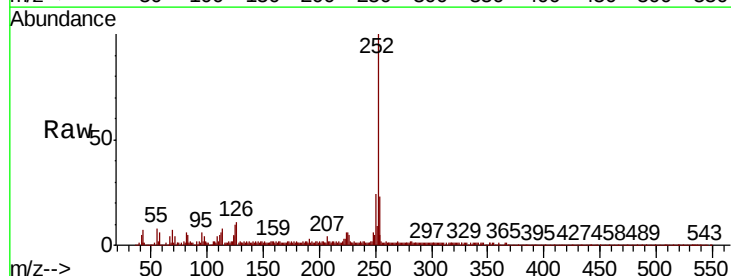
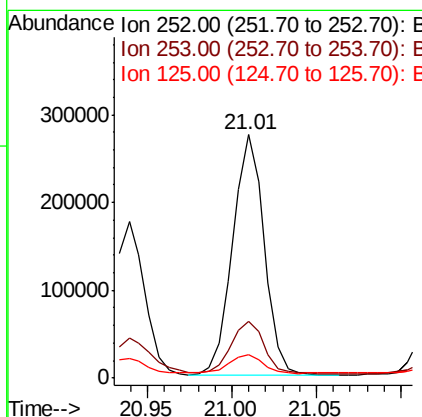
Manual Integrations
APPROVED

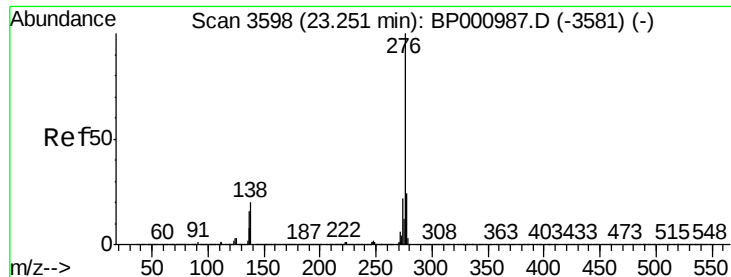
mohammad
11/12/2019 5:04:56 PM



#90
Benzo(a)pyrene
Concen: 9.504 ng
RT: 21.01 min Scan# 3217
Delta R.T. -0.00 min
Lab File: BP001033.D
Acq: 11 Nov 2019 23:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	9.8	7.6	11.4





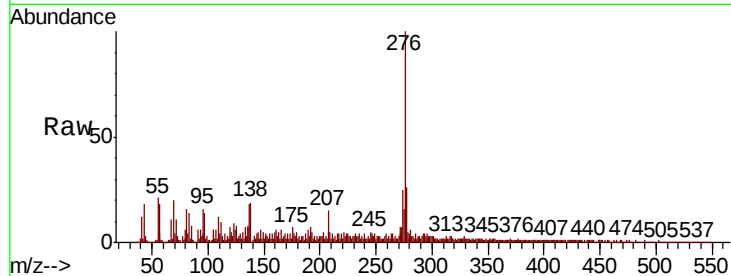
#92
 Benzo(a,h,i)perylene
 Concen: 4.389 ng
 RT: 23.24 min Scan# 3597
 Delta R.T. -0.01 min
 Lab File: BP001033.D
 Acq: 11 Nov 2019 23:39

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-110819DL

Tot Ion:	276	Resp:	168487
Ion Ratio		Lower	Upper
276	100		
277	26.1	19.0	28.4
138	19.1	15.7	23.5

Manual Integrations
 APPROVED

mohammad
 11/12/2019 5:04:56 PM



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

