

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
 Data File : BP000380.D
 Acq On : 23 Sep 2019 23:07
 Operator : HP/JU
 Sample : K4997-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-11-091919

Manual Integrations
 APPROVED

mohammad
 9/24/2019 2:39:03 PM

Quant Time: Sep 24 05:19:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	273270	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	840376	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	459216	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	831479	20.00	ng	0.00
76) Chrysene-d12	13.99	240	681357	20.00	ng	0.00
87) Perylene-d12	15.47	264	766058	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1957780	123.68	ng	0.02
7) Phenol-d6	6.43	99	2639466	136.03	ng	0.01
23) Nitrobenzene-d5	7.35	82	1232180	94.60	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	722854	158.70	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2663003	104.37	ng	0.00
79) Terphenyl-d14	12.93	244	3097572	95.37	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.69	152	118276	2.953	ng	99
50) Dimethylphthalate	9.54	163	187750	6.001	ng	100
71) Phenanthrene	11.35	178	386406	9.274	ng	99
72) Anthracene	11.40	178	96419	2.248	ng	98
75) Fluoranthene	12.55	202	614748	13.740	ng	95
78) Pyrene	12.78	202	673409	13.210	ng	98
81) Benzo(a)anthracene	13.98	228	310676m	7.218	ng	
83) Chrysene	14.02	228	348802	8.254	ng	97
88) Benzo(b)fluoranthene	15.04	252	367191m	8.035	ng	
89) Benzo(k)fluoranthene	15.06	252	109328m	2.743	ng	
90) Benzo(a)pyrene	15.40	252	278804	6.705	ng	98
92) Benzo(a,h,i)perylene	17.39	276	175068	4.393	ng	95

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

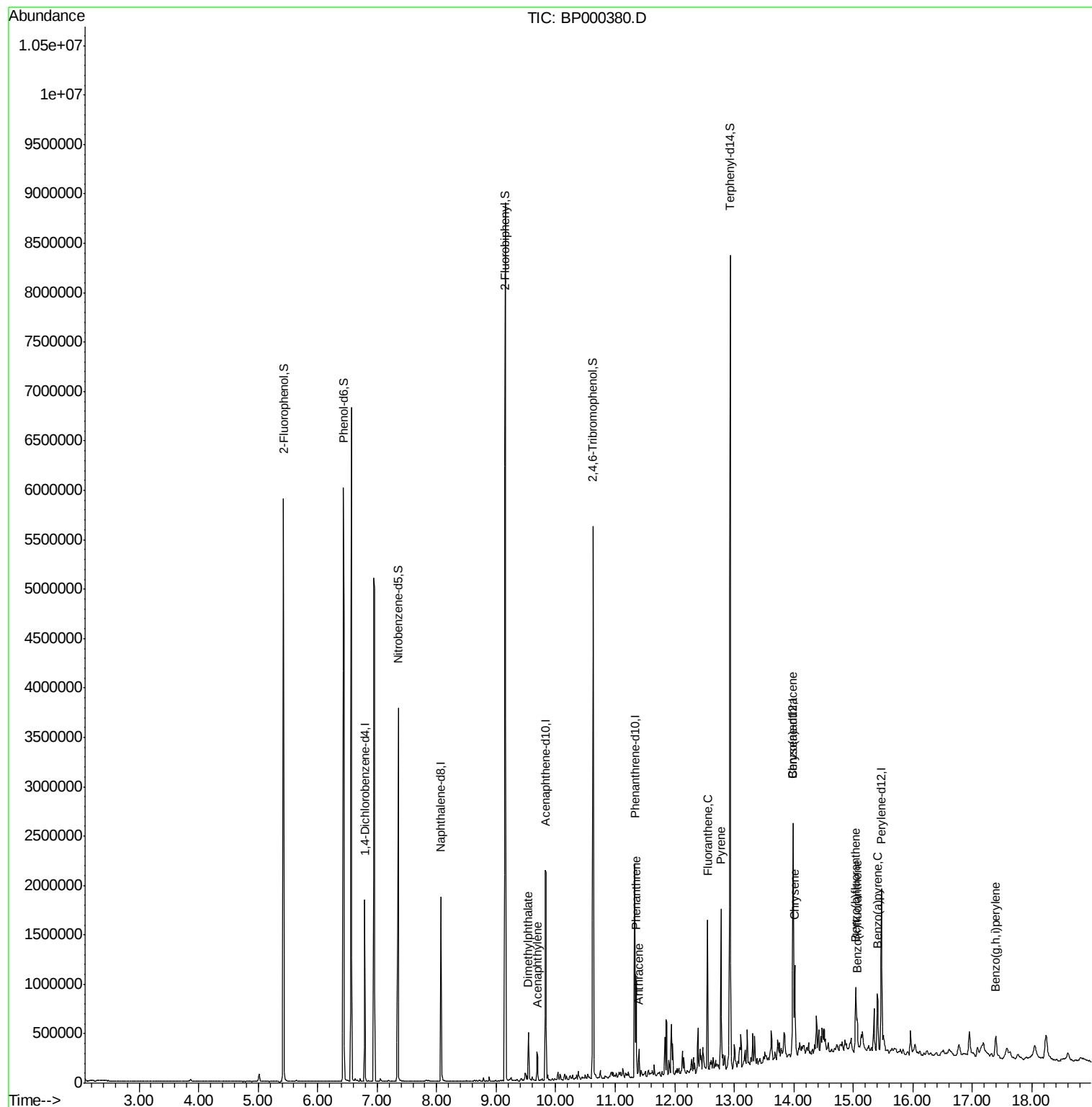
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
Data File : BP000380.D
Acq On : 23 Sep 2019 23:07
Operator : HP/JU
Sample : K4997-07
Misc :
ALS Vial : 15 Sample Multiplier: 1

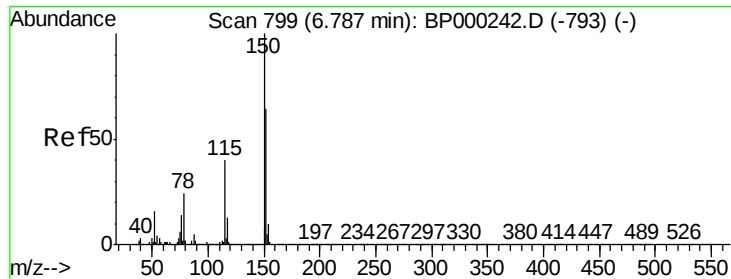
Instrument :
BNA_P
ClientSampleId :
WC-11-091919

Manual Integrations
APPROVED

mohammad
9/24/2019 2:39:03 PM

Quant Time: Sep 24 05:19:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 19 14:44:51 2019
Response via : Initial Calibration





#1

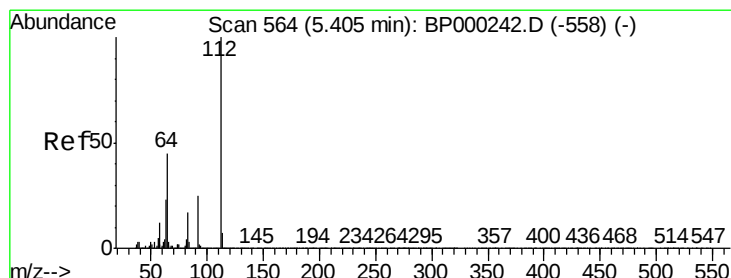
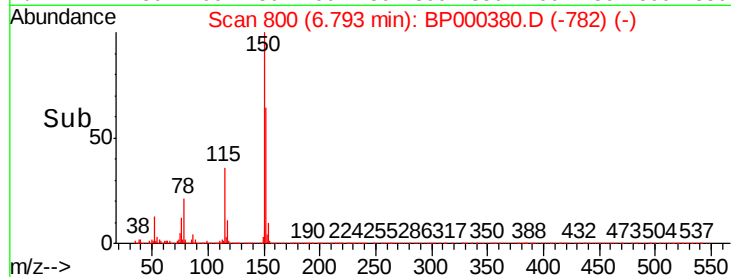
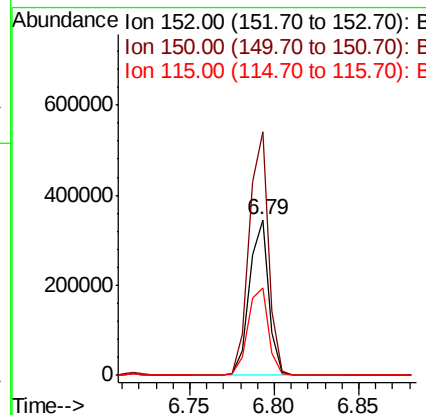
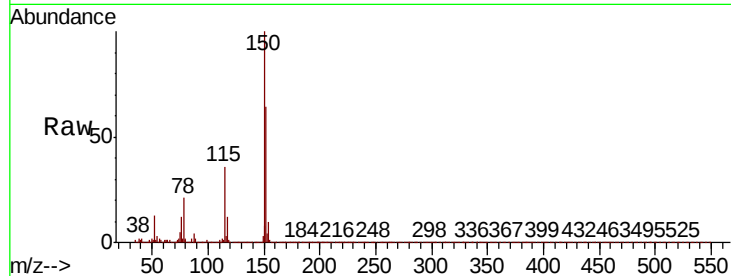
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Instrument :
BNA_P
ClientSampleId :
WC-11-091919

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.2	187.8
115	56.4	49.7	74.5

Manual Integrations
APPROVED

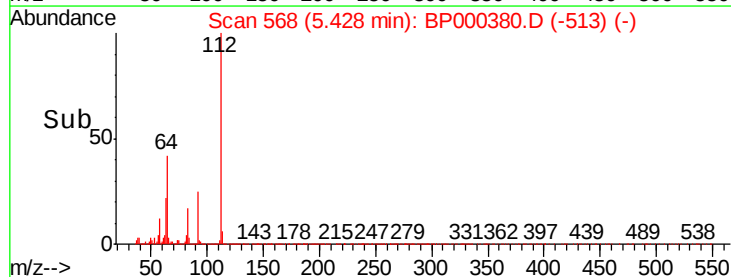
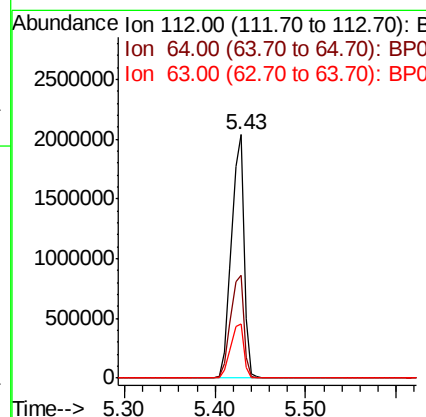
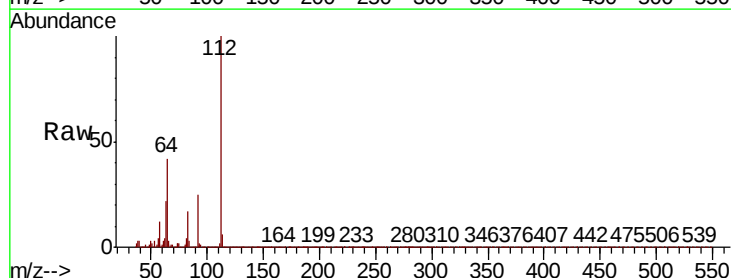
mohammad
9/24/2019 2:39:03 PM

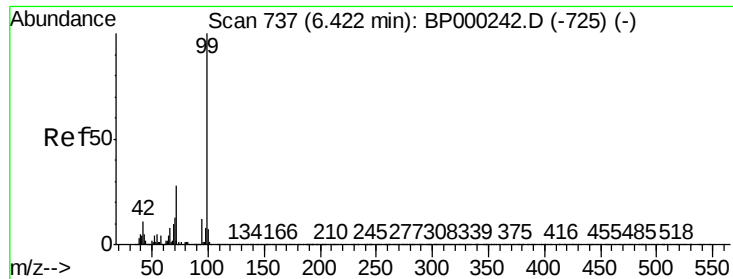


#5

2-Fluorophenol
Concen: 123.680 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.2	36.2	54.4
63	22.3	18.3	27.5





#7

Phenol-d6

Concen: 136.031 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Instrument :

BNA_P

ClientSampleId :

WC-11-091919

Tot Ion: 99 Resp: 2639466

Ion Ratio Lower Upper

99 100

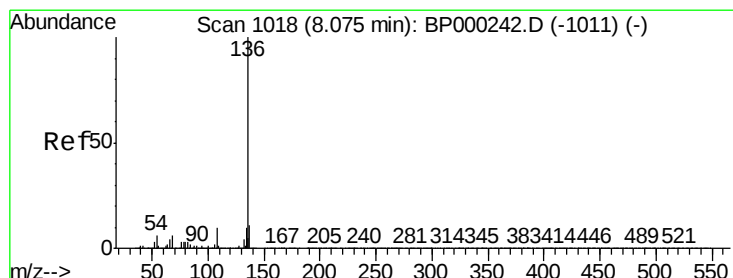
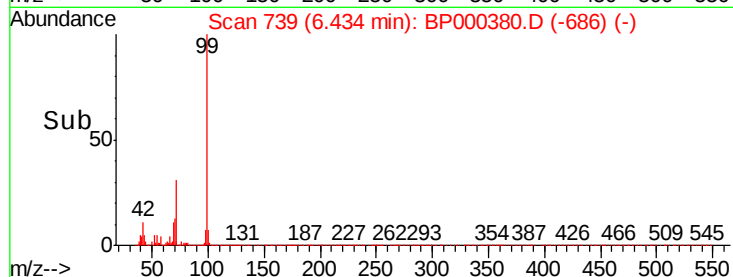
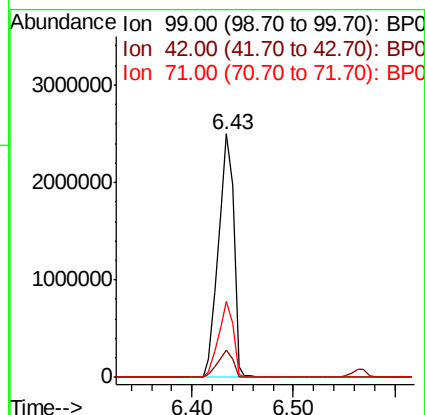
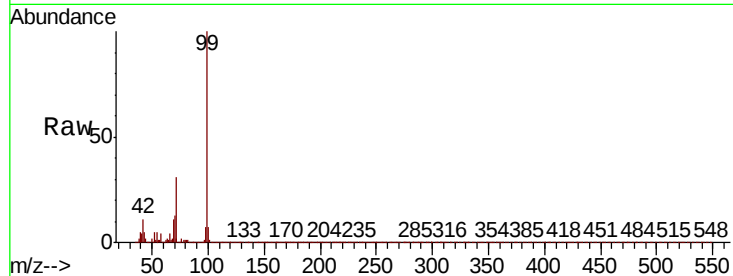
42 11.4 8.5 12.7

71 31.1 22.6 34.0

Manual Integrations
APPROVED

mohammad

9/24/2019 2:39:03 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Tgt Ion: 136 Resp: 840376

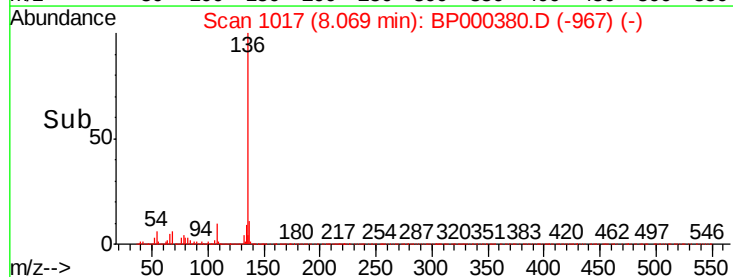
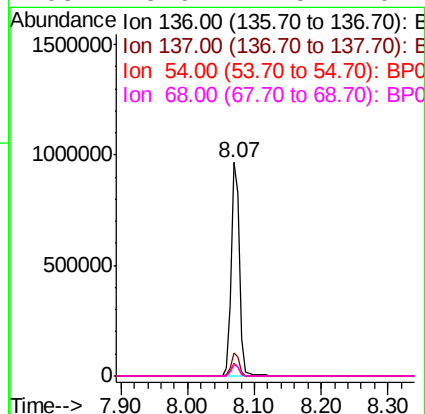
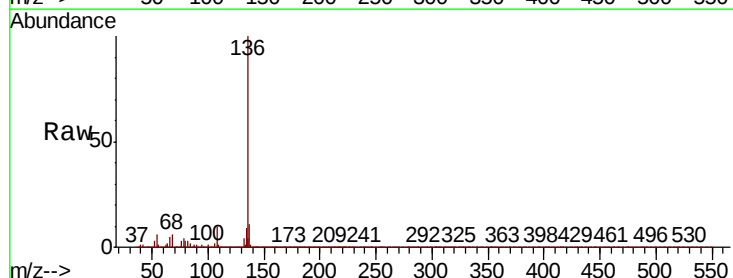
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 5.9 4.5 6.7

68 5.6 4.5 6.7





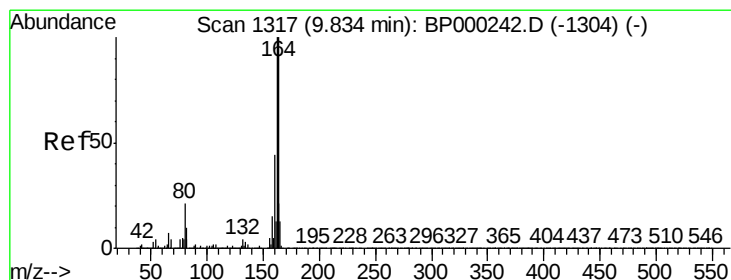
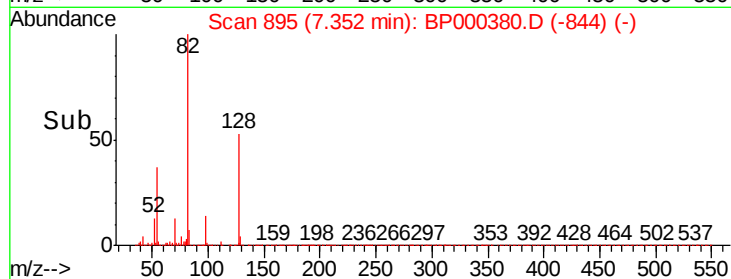
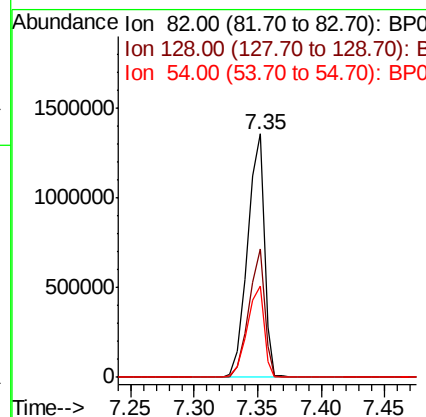
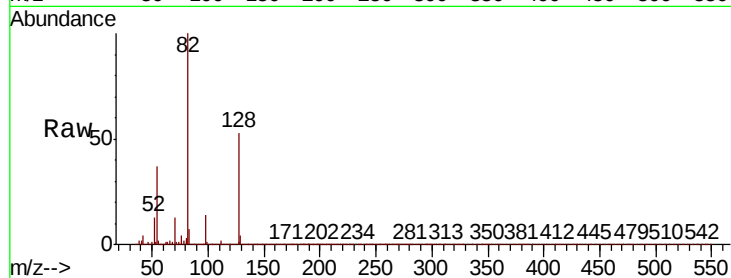
#23
 Nitrobenzene-d5
 Concen: 94.600 ng
 RT: 7.35 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: BP000380.D
 Acq: 23 Sep 2019 23:07

Instrument :
 BNA_P
 ClientSampleId :
 WC-11-091919

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.7	40.7	61.1
54	37.3	30.1	45.1

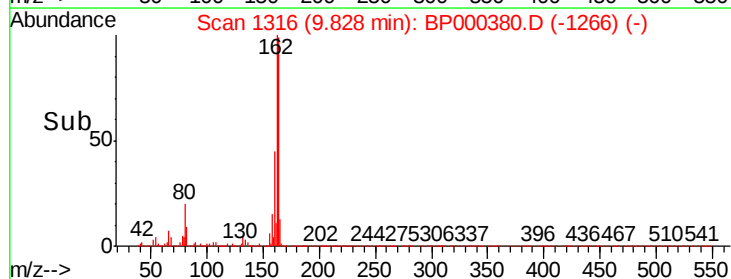
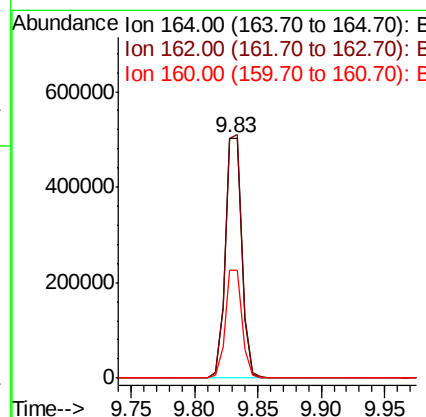
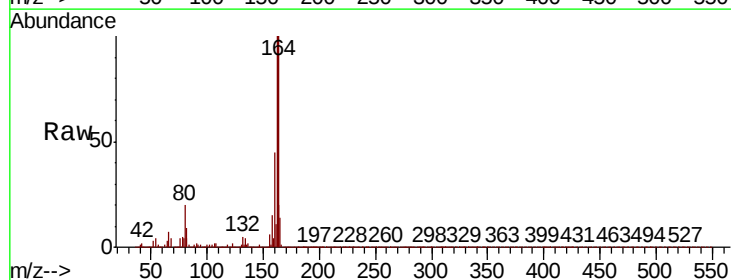
Manual Integrations
 APPROVED

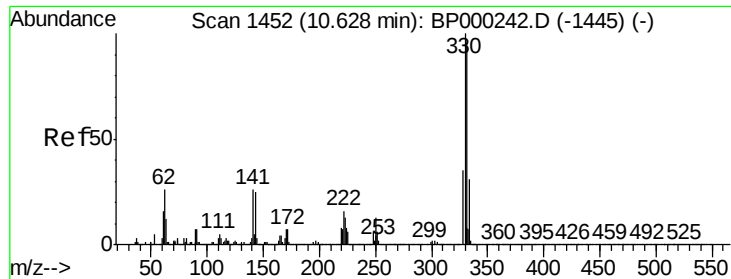
mohammad
 9/24/2019 2:39:03 PM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BP000380.D
 Acq: 23 Sep 2019 23:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.9	119.9
160	45.2	35.6	53.4





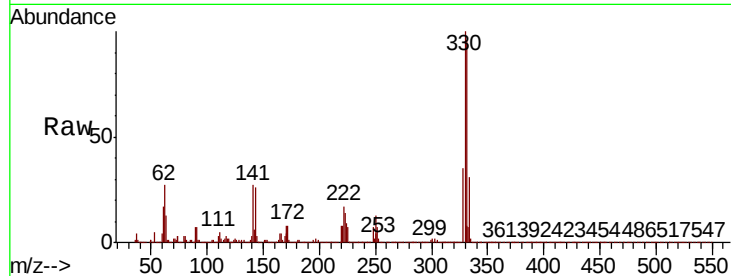
#42
2,4,6-Tribromophenol
Concen: 158.701 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Instrument :
BNA_P
ClientSampleId :
WC-11-091919

Tot Ion	Ratio	Resp	Lower	Upper
330	100	722854		
332	96.7	76.6	115.0	
141	30.1	26.5	39.7	

Manual Integrations
APPROVED

mohammad
9/24/2019 2:39:03 PM

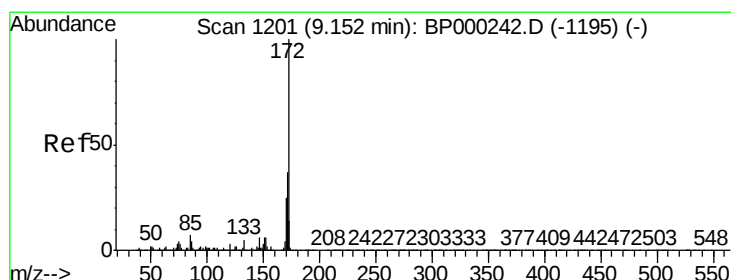
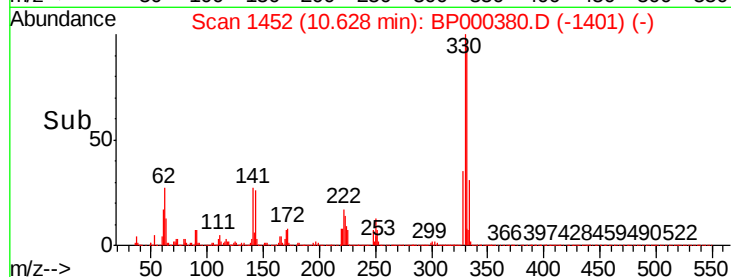
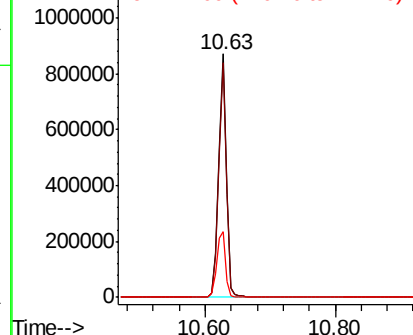


Abundance

Ion 329.80 (329.50 to 330.50): E

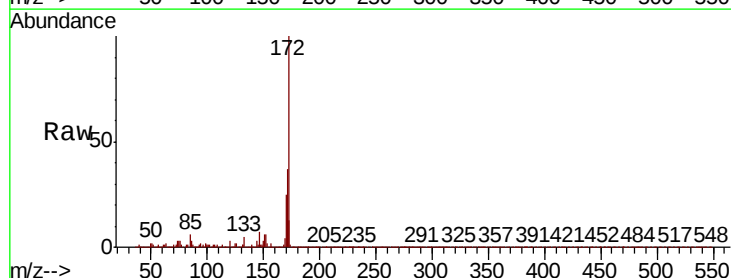
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 104.371 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2663003		
171	37.2	29.8	44.6	
170	24.7	19.8	29.6	

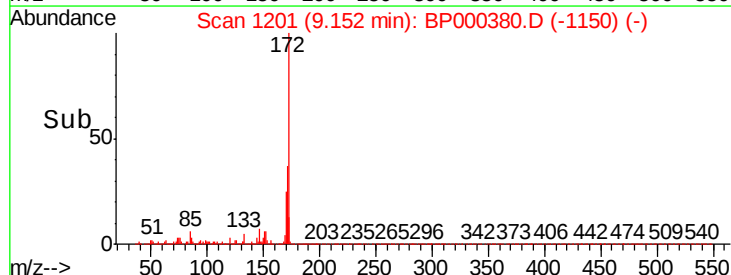
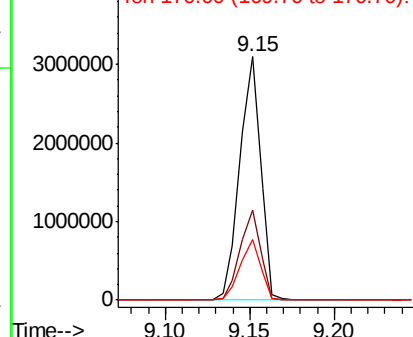


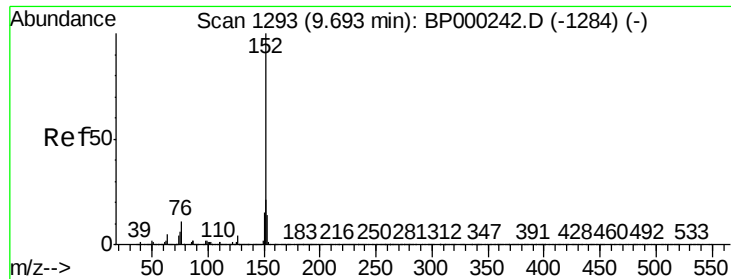
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.953 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Instrument :

BNA_P

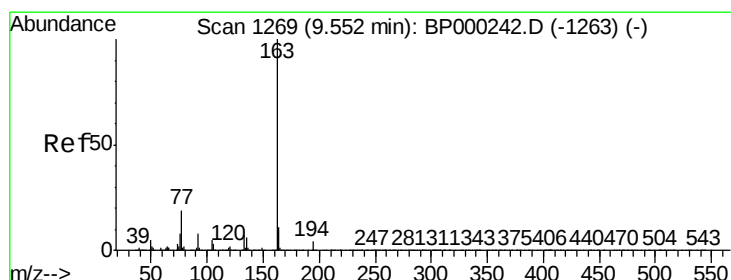
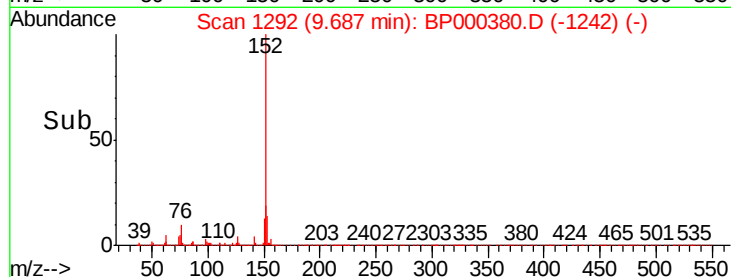
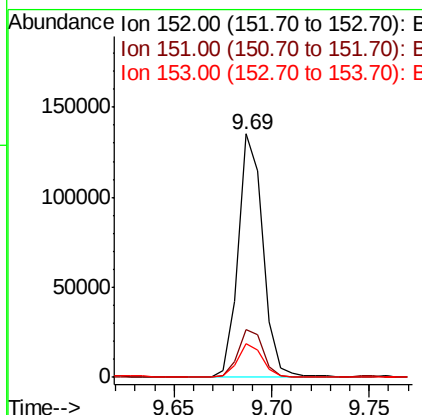
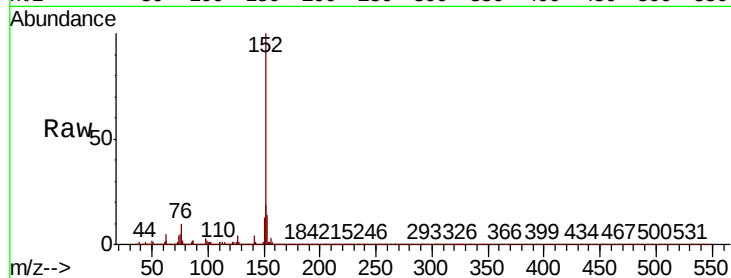
ClientSampleId :

WC-11-091919

Tot Ion:	152	Resp:	118276
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.4	24.6
153	13.7	11.0	16.4

Manual Integrations
APPROVED

mohammad
9/24/2019 2:39:03 PM



#50

Dimethylphthalate

Concen: 6.001 ng

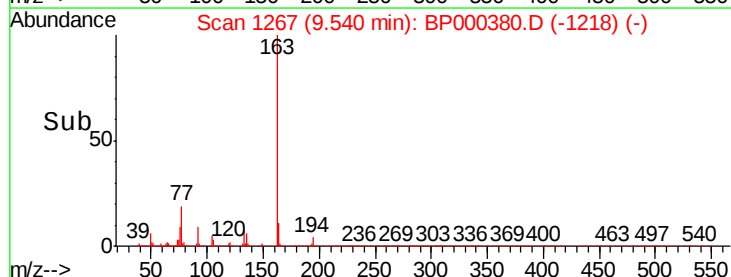
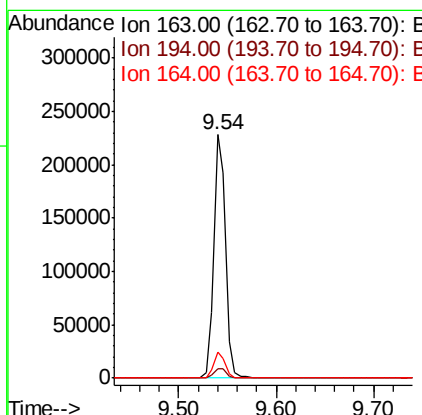
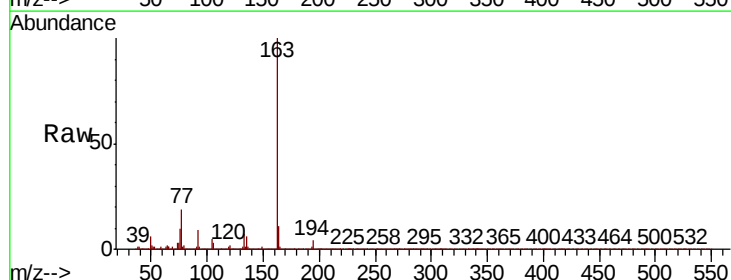
RT: 9.54 min Scan# 1267

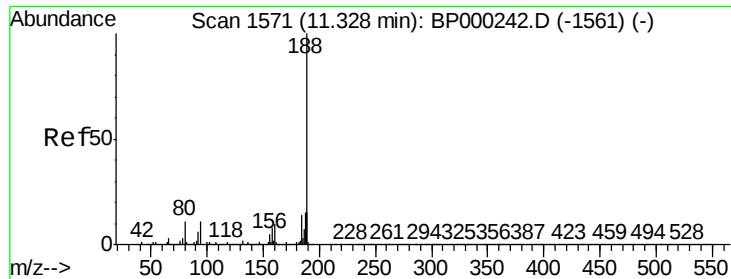
Delta R.T. -0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Tgt Ion:	163	Resp:	187750
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.4	5.0
164	10.6	8.5	12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Instrument :

BNA_P

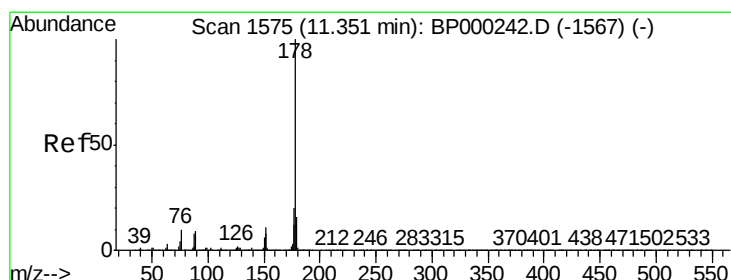
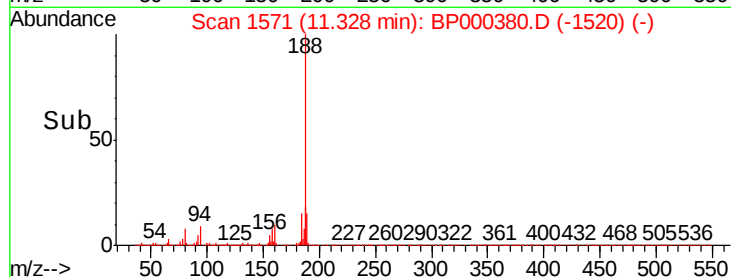
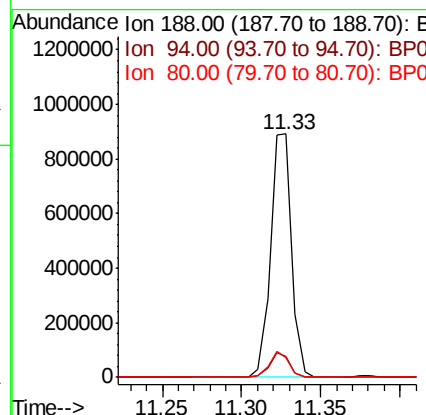
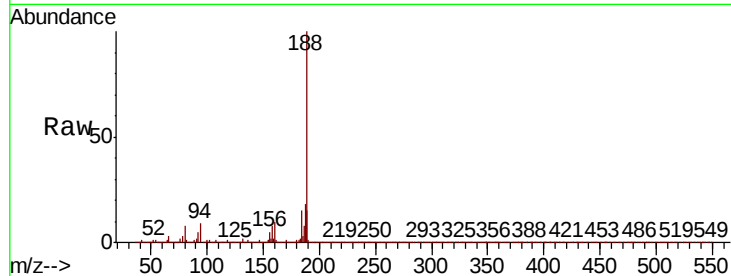
ClientSampleId :

WC-11-091919

Tot Ion:	188	Resp:	831479
Ion Ratio	Lower	Upper	
188	100		
94	8.5	8.5	12.7
80	8.3	8.6	13.0#

Manual Integrations
APPROVED

mohammad
9/24/2019 2:39:03 PM



#71

Phenanthrene

Concen: 9.274 ng

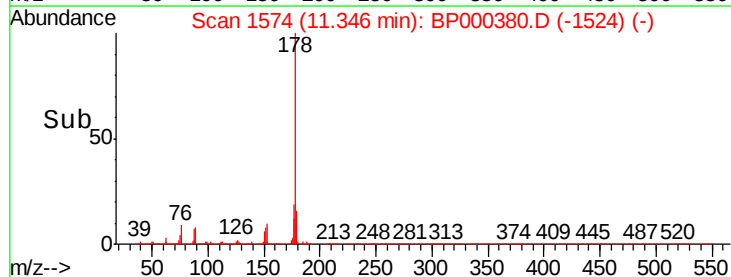
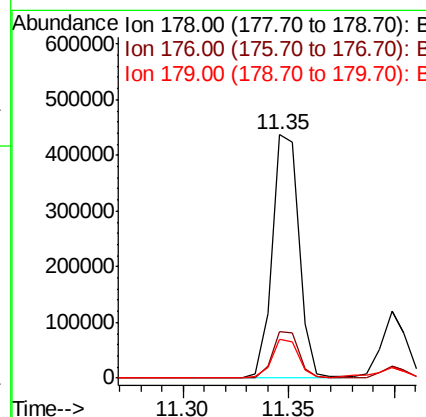
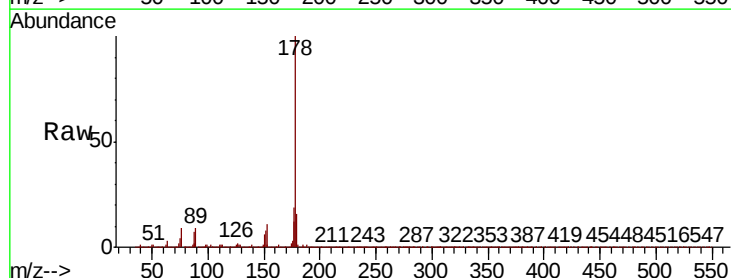
RT: 11.35 min Scan# 1574

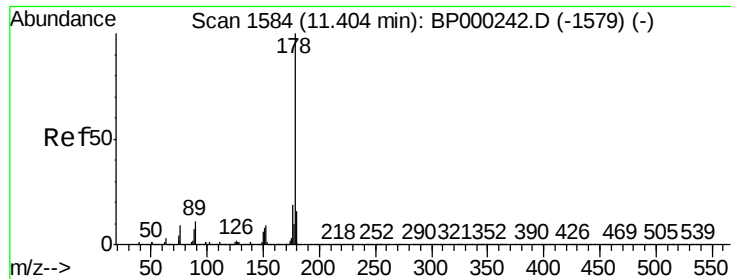
Delta R.T. -0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Tgt Ion:	178	Resp:	386406
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	16.0	12.7	19.1





#72

Anthracene

Concen: 2.248 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Instrument :

BNA_P

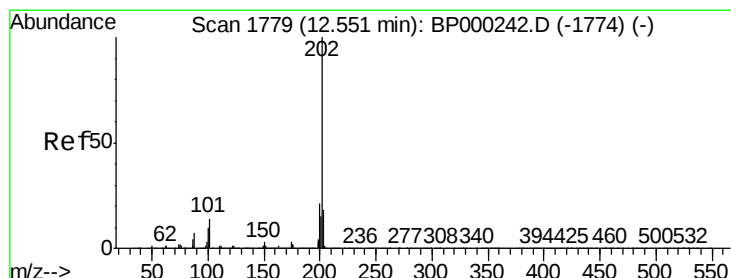
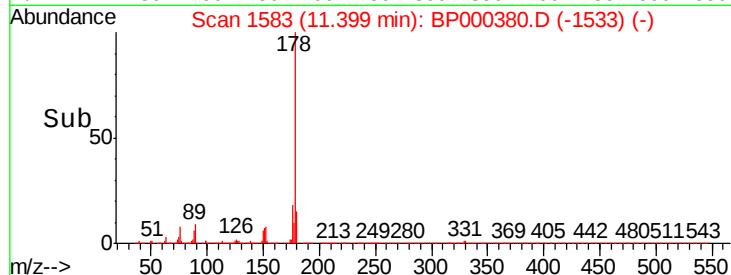
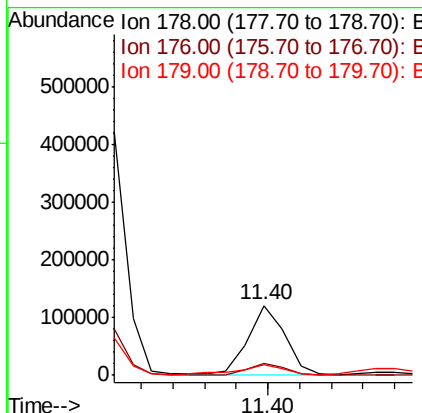
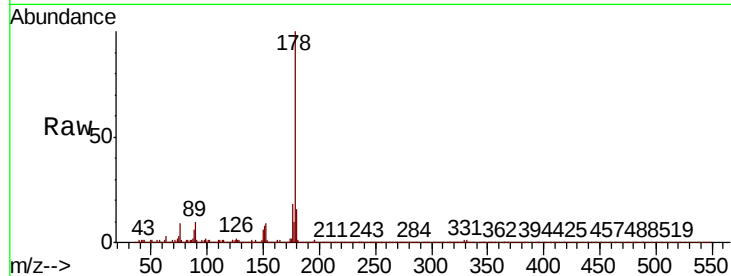
ClientSampleId :

WC-11-091919

Tot Ion:	178	Resp:	96419
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.4	23.0
179	16.1	12.7	19.1

Manual Integrations
APPROVED

mohammad
9/24/2019 2:39:03 PM



#75

Fluoranthene

Concen: 13.740 ng

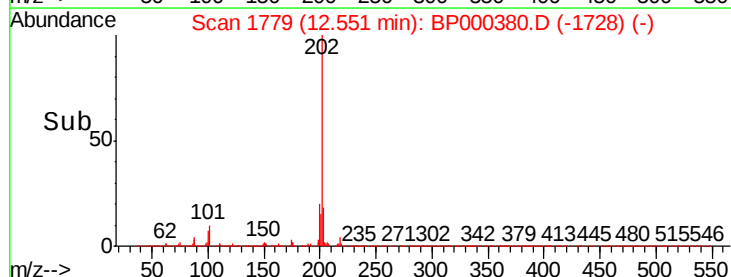
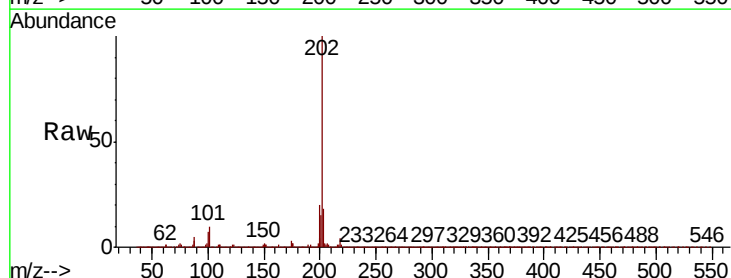
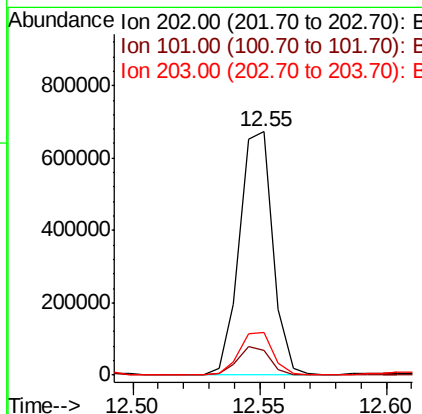
RT: 12.55 min Scan# 1779

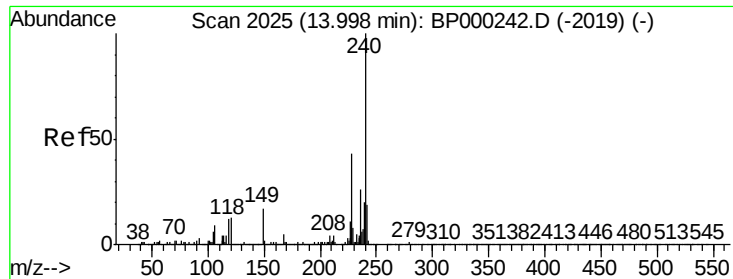
Delta R.T. 0.00 min

Lab File: BP000380.D

Acq: 23 Sep 2019 23:07

Tgt Ion:	202	Resp:	614748
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	33.9
203	17.6	0.0	38.0





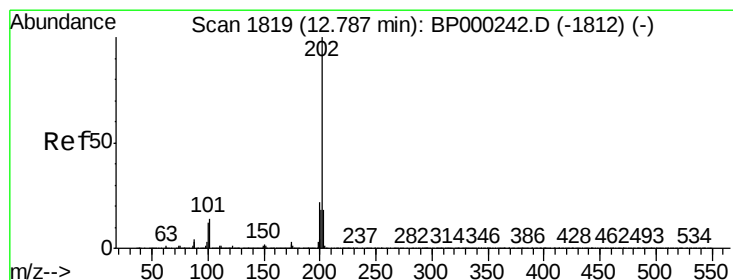
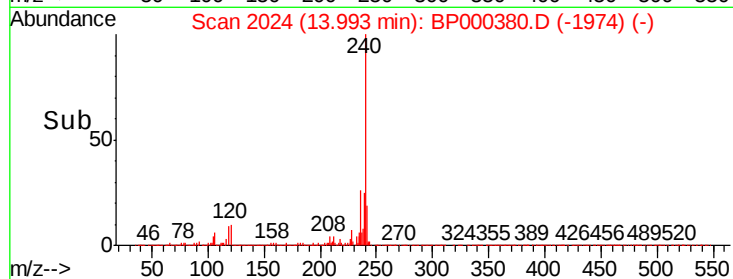
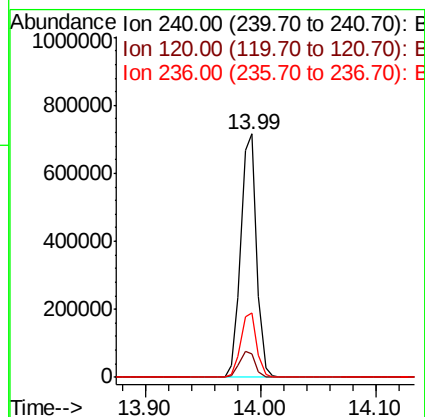
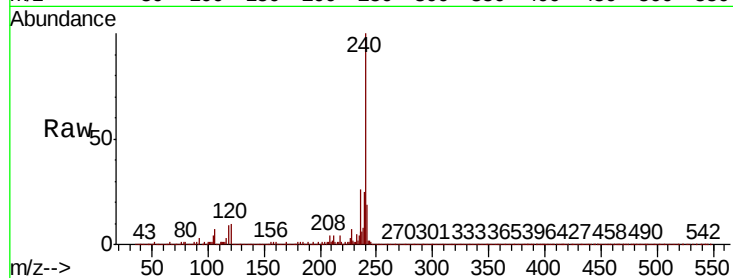
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Instrument :
BNA_P
ClientSampleId :
WC-11-091919

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	9.6	10.4	15.6#
236	26.4	21.0	31.6

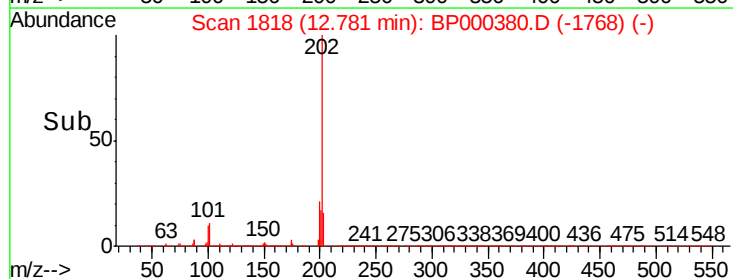
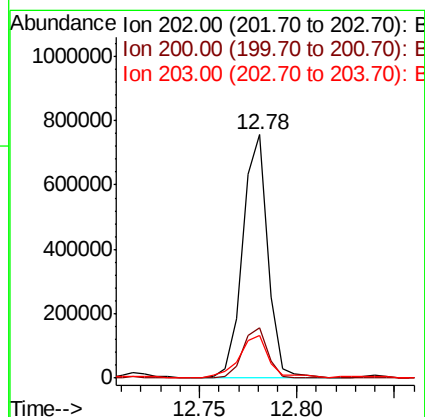
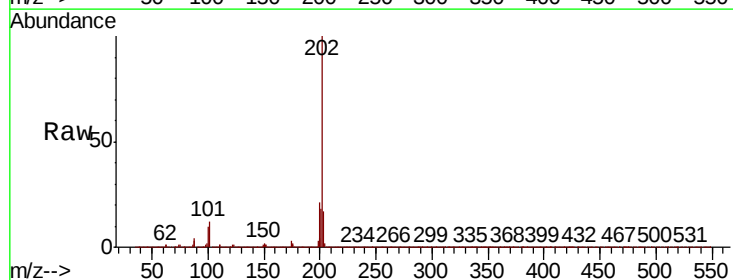
Manual Integrations
APPROVED

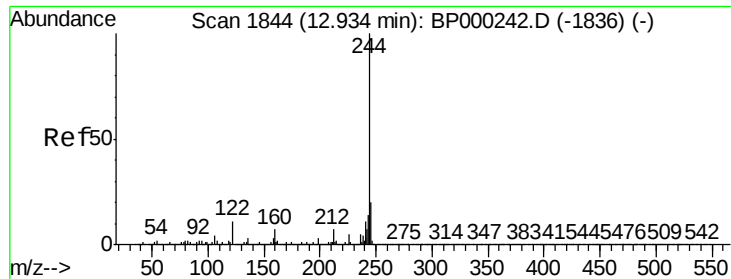
mohammad
9/24/2019 2:39:03 PM



#78
Pyrene
Concen: 13.210 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.5	26.3
203	17.3	14.3	21.5





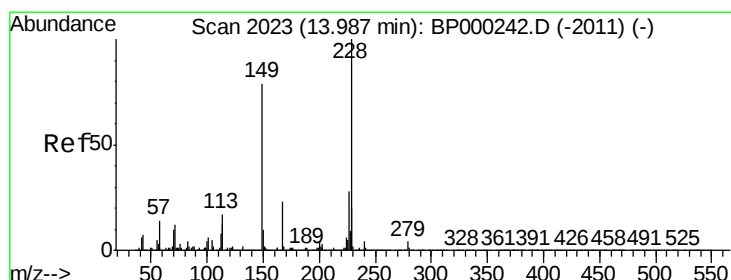
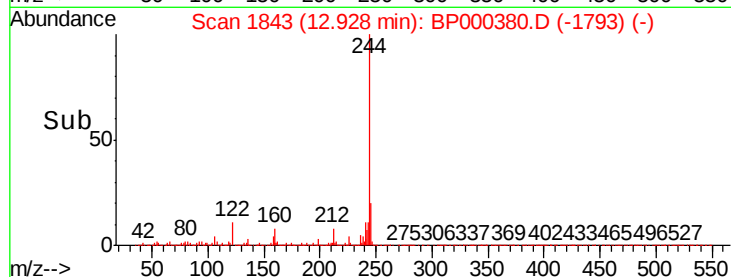
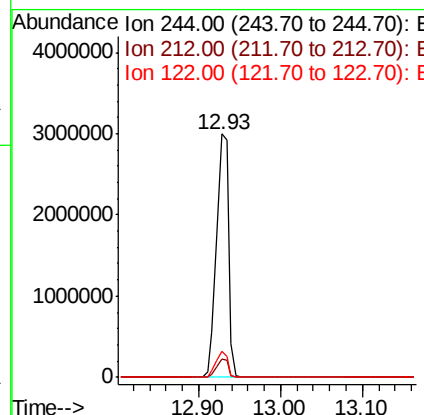
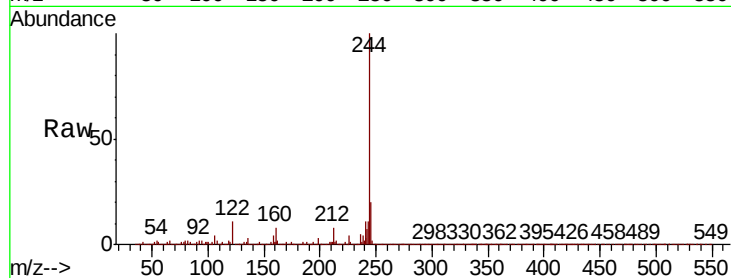
#79
 Terphenyl-d14
 Concen: 95.372 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BP000380.D
 Acq: 23 Sep 2019 23:07

Instrument :
 BNA_P
 ClientSampleId :
 WC-11-091919

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	10.7	9.0	13.4

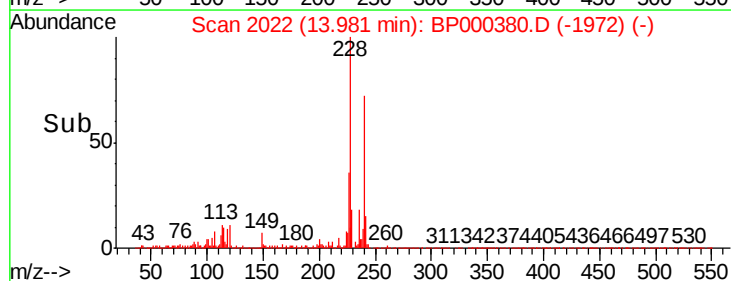
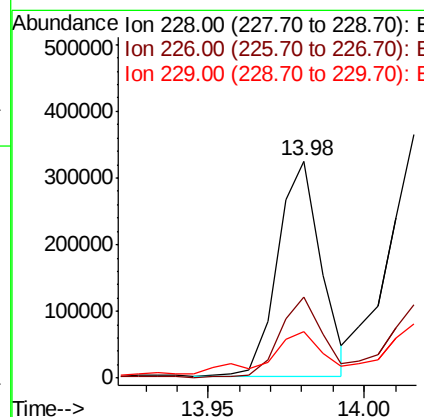
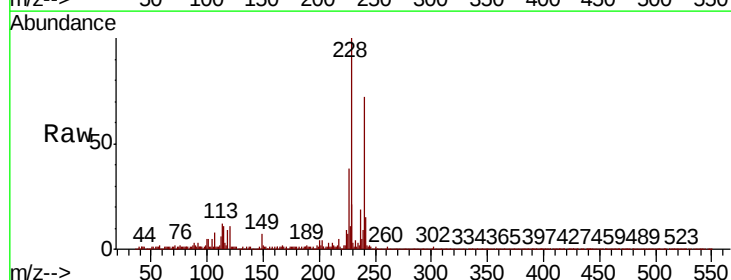
Manual Integrations
 APPROVED

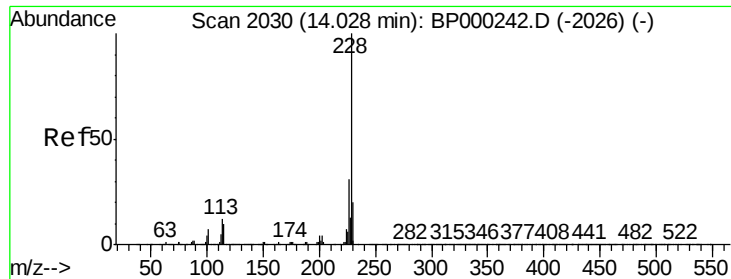
mohammad
 9/24/2019 2:39:03 PM



#81
 Benzo(a)anthracene
 Concen: 7.218 ng m
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BP000380.D
 Acq: 23 Sep 2019 23:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.6	22.2	33.4#
229	21.5	16.0	24.0





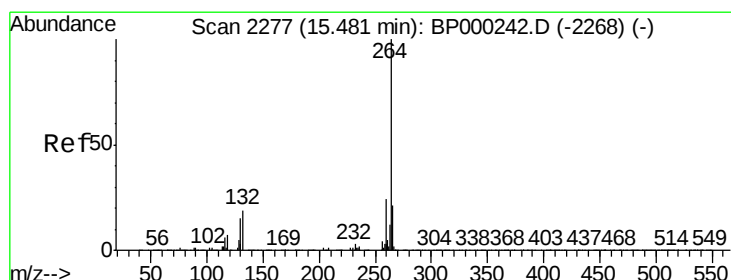
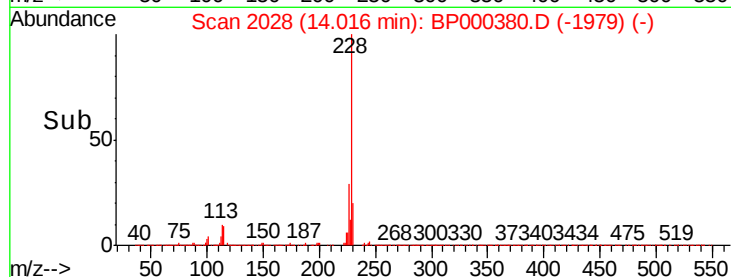
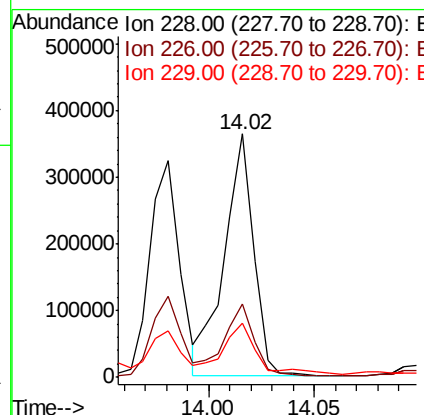
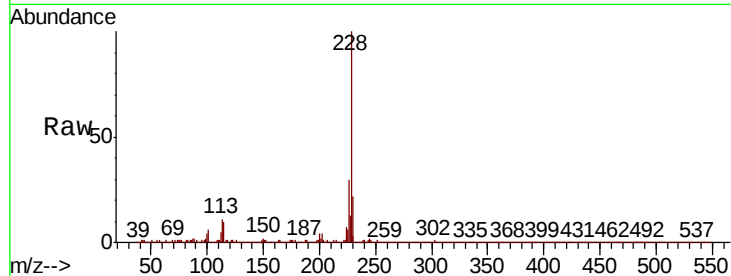
#83
 Chrysene
 Concen: 8.254 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BP000380.D
 Acq: 23 Sep 2019 23:07

Instrument :
 BNA_P
 ClientSampleID :
 WC-11-091919

Tot Ion:	228	Resp:	348802
Ion Ratio		Lower	Upper
228	100		
226	30.3	24.9	37.3
229	22.2	16.2	24.2

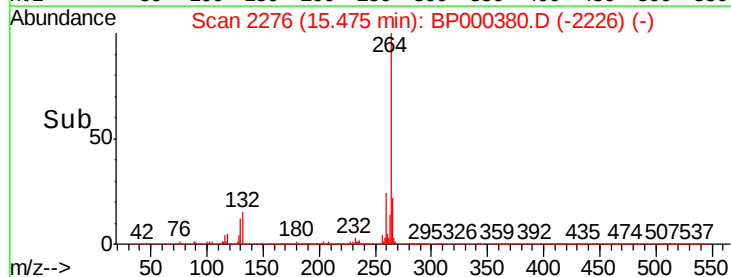
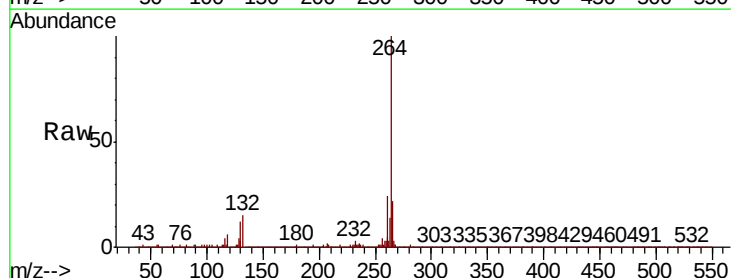
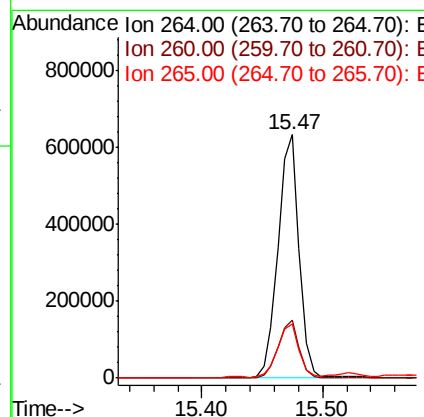
Manual Integrations
 APPROVED

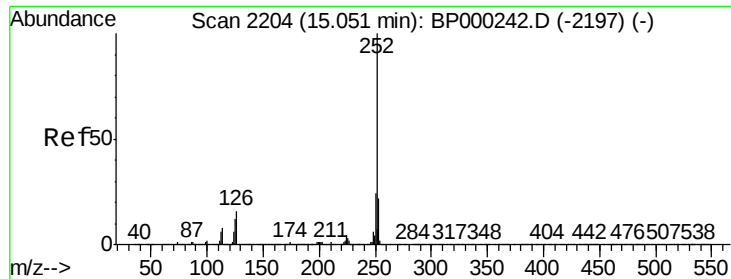
mohammad
 9/24/2019 2:39:03 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. -0.01 min
 Lab File: BP000380.D
 Acq: 23 Sep 2019 23:07

Tgt Ion:	264	Resp:	766058
Ion Ratio		Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.2	17.2	25.8





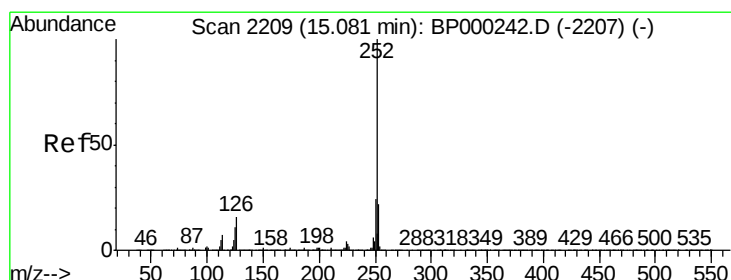
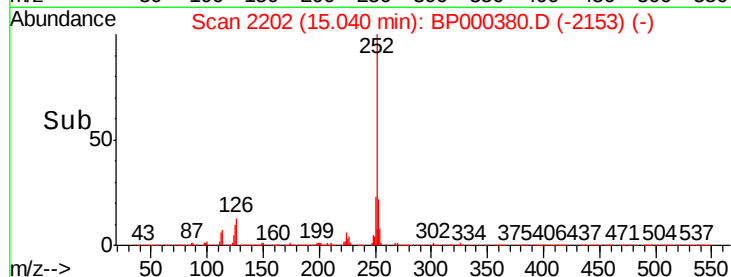
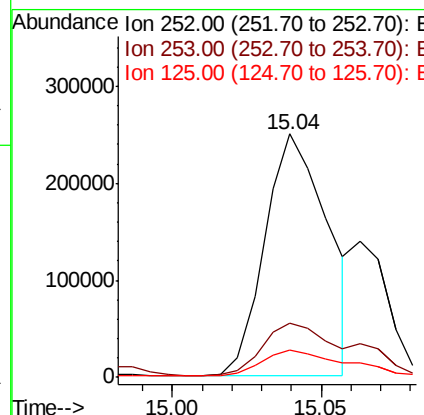
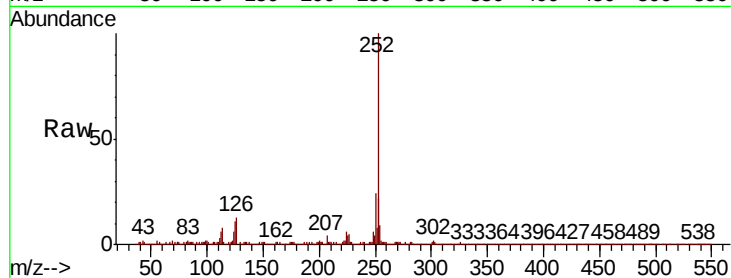
#88
Benzo(b)fluoranthene
Concen: 8.035 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Instrument :
BNA_P
ClientSampleId :
WC-11-091919

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.0	9.5	14.3

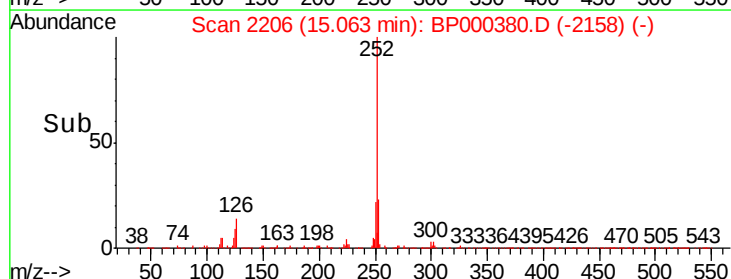
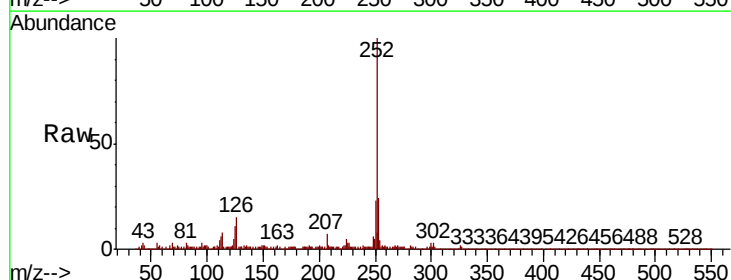
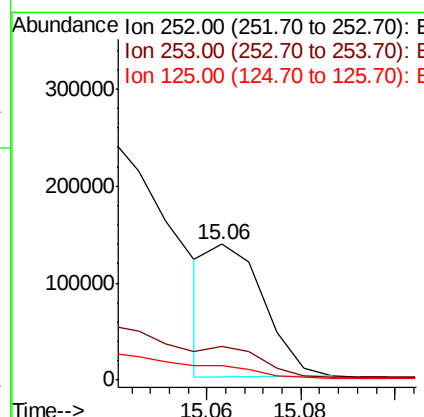
Manual Integrations
APPROVED

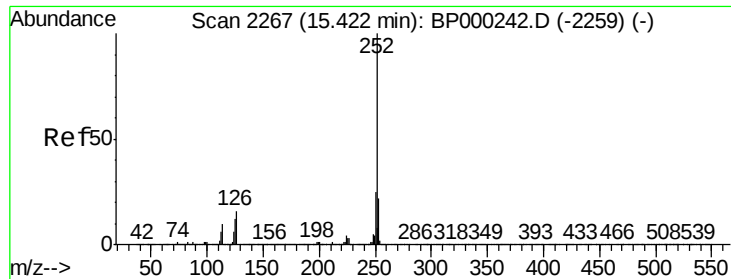
mohammad
9/24/2019 2:39:03 PM



#89
Benzo(k)fluoranthene
Concen: 2.743 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	10.7	9.6	14.4





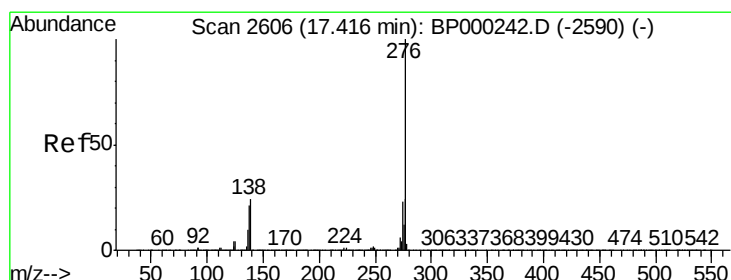
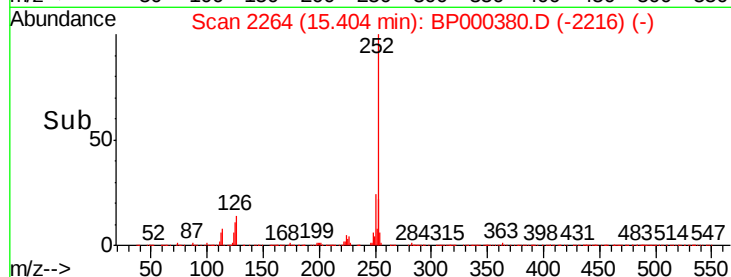
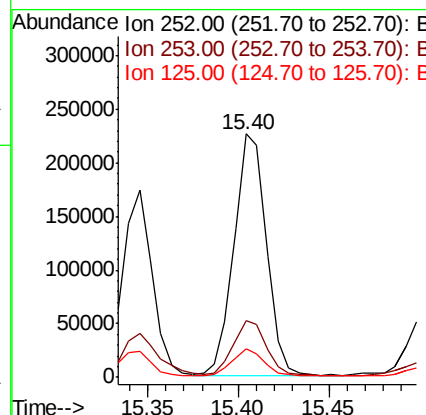
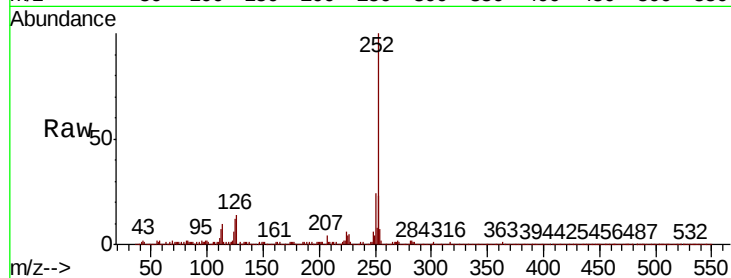
#90
Benzo(a)pyrene
Concen: 6.705 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Instrument :
BNA_P
ClientSampleId :
WC-11-091919

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.7	26.5
125	11.7	10.0	15.0

Manual Integrations
APPROVED

mohammad
9/24/2019 2:39:03 PM



#92
Benzo(g,h,i)perylene
Concen: 4.393 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BP000380.D
Acq: 23 Sep 2019 23:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.1	28.7
138	22.1	19.5	29.3

