

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
 Data File : BP000699.D
 Acq On : 13 Oct 2019 04:05
 Operator : JU
 Sample : K5348-08
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20190832-COMPOSITE-H

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:08:52 AM

Quant Time: Oct 14 07:27:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	207753	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	750237	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	405245	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	726470	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	629215	20.00	ng	-0.01
87) Perylene-d12	15.45	264	653596	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	425732	32.94	ng	-0.02
7) Phenol-d6	6.39	99	1330050	85.40	ng	-0.02
23) Nitrobenzene-d5	7.31	82	799700	65.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	46407	10.75	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1422521	56.80	ng	-0.02
79) Terphenyl-d14	12.90	244	1599632	51.47	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.30	77	23044	2.841	ng	Qvalue 96
10) Phenol	6.40	94	69398	4.352	ng	93
50) Dimethylphthalate	9.51	163	291552	10.354	ng	99
71) Phenanthrene	11.32	178	94615	2.593	ng	98
75) Fluoranthene	12.52	202	377049	9.201	ng	99
78) Pyrene	12.75	202	440640	10.154	ng	100
81) Benzo(a)anthracene	13.96	228	252535	6.578	ng	# 87
83) Chrysene	13.99	228	250471	6.647	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	95353	4.009	ng	99
86) Indeno(1,2,3-cd)pyrene	16.92	276	151858	3.226	ng	97
88) Benzo(b)fluoranthene	15.02	252	404249m	10.902	ng	
89) Benzo(k)fluoranthene	15.05	252	97338m	2.757	ng	
90) Benzo(a)pyrene	15.39	252	252299	7.299	ng	# 91
92) Benzo(a,h,i)perylene	17.36	276	156384	4.591	ng	98

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

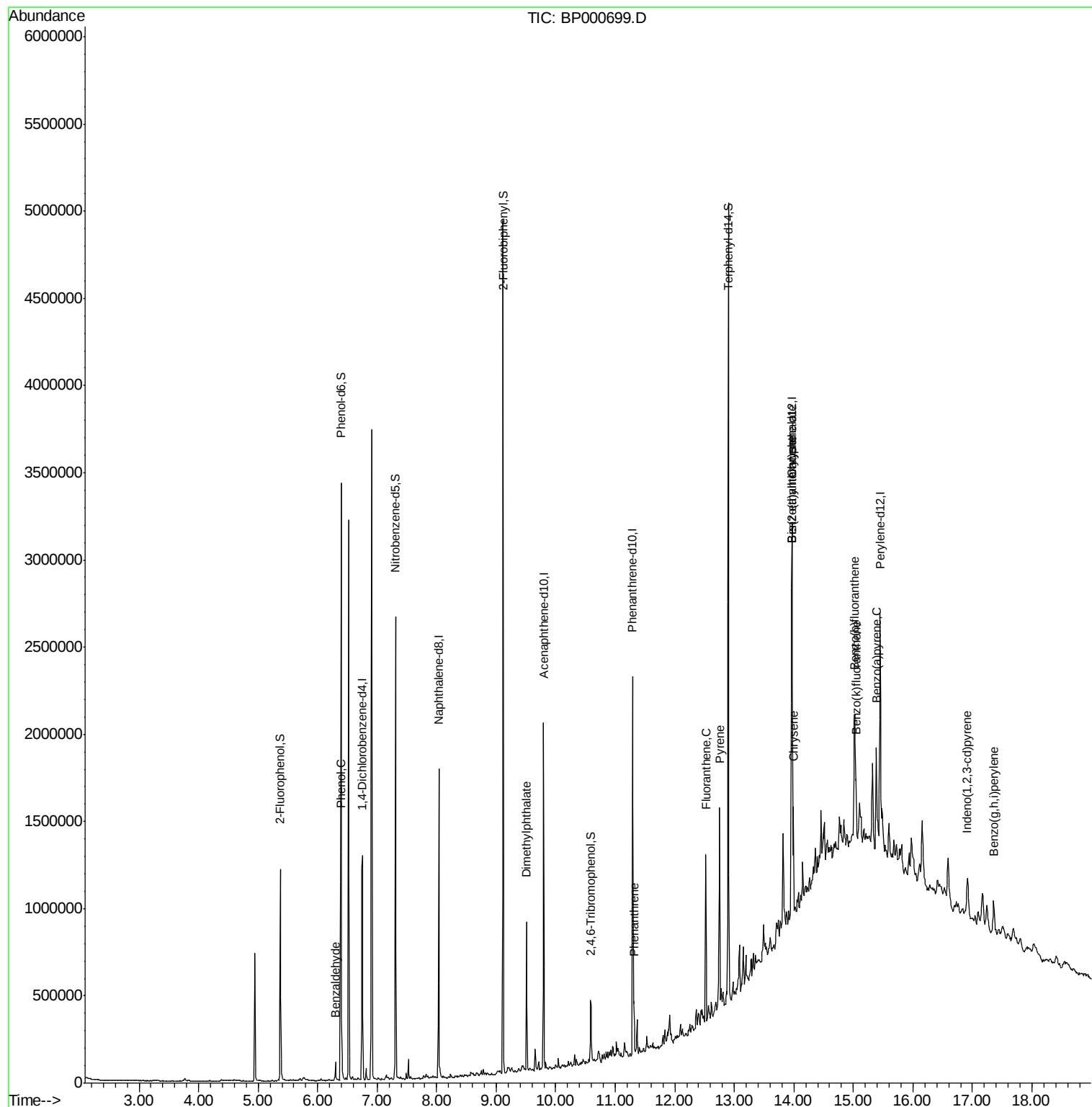
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000699.D
Acq On : 13 Oct 2019 04:05
Operator : JU
Sample : K5348-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

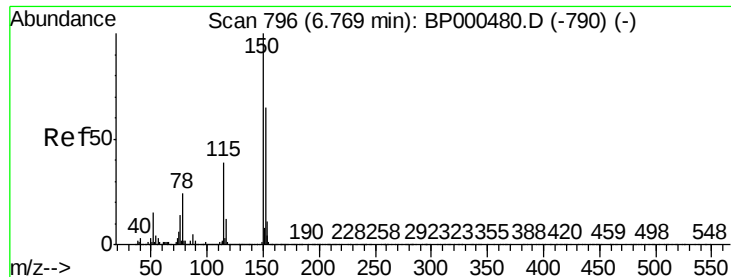
Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Manual Integrations
APPROVED

mohammad
10/16/2019 8:08:52 AM

Quant Time: Oct 14 07:27:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 01 18:03:42 2019
Response via : Initial Calibration





#1

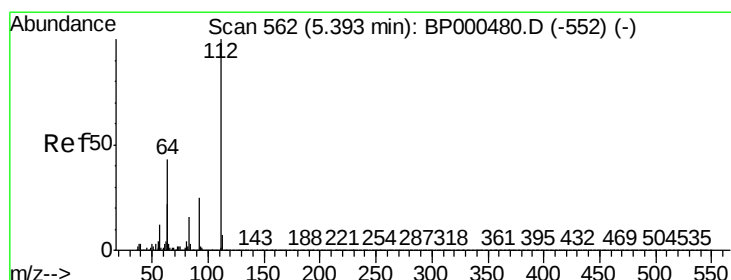
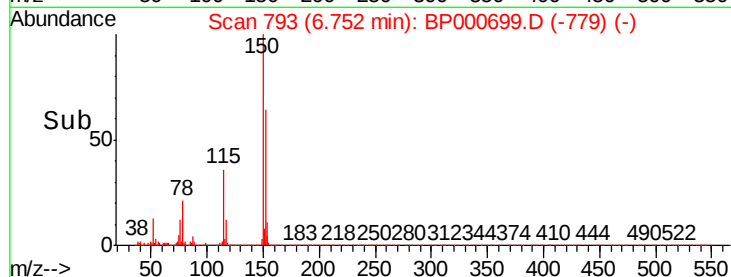
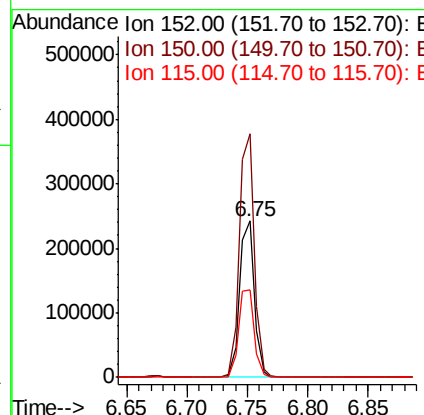
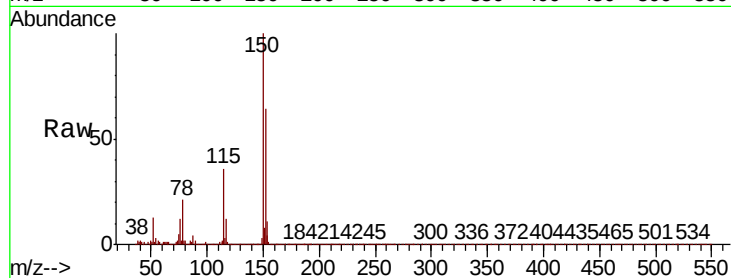
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.1	186.1
115	56.2	48.7	73.1

Manual Integrations
APPROVED

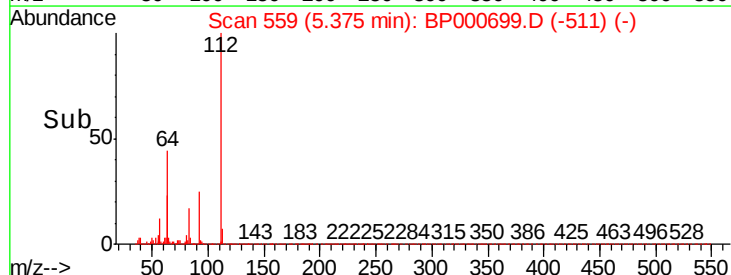
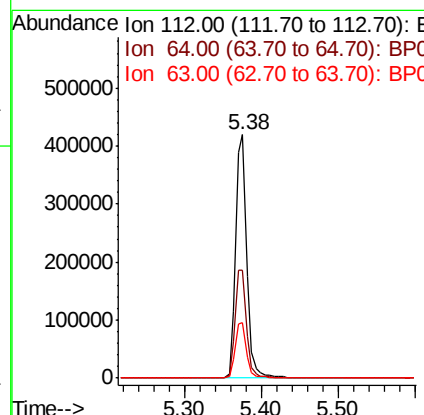
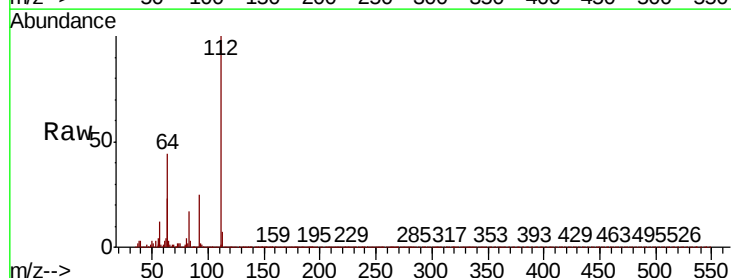
mohammad
10/16/2019 8:08:52 AM

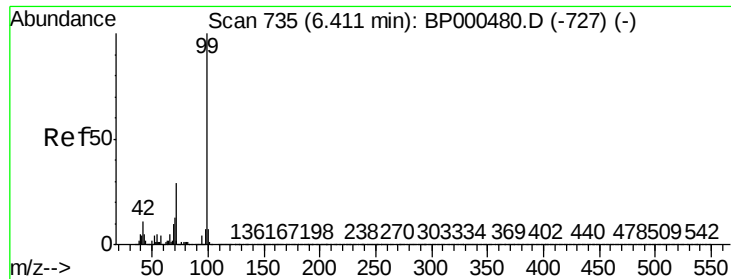


#5

2-Fluorophenol
Concen: 32.940 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.3	34.2	51.4
63	22.6	17.9	26.9





#7

Phenol-d6

Concen: 85.399 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

Instrument :

BNA_P

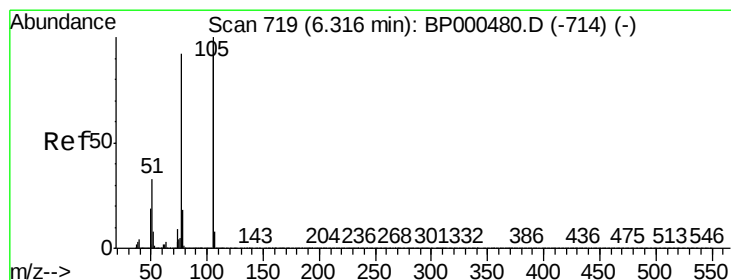
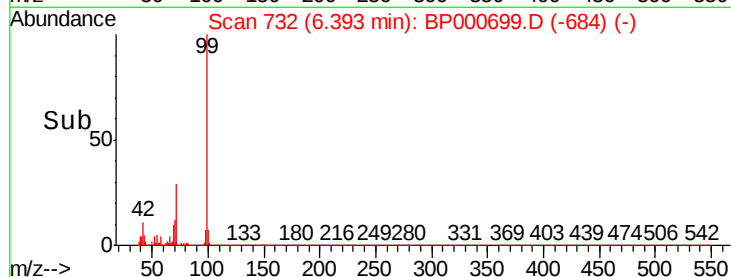
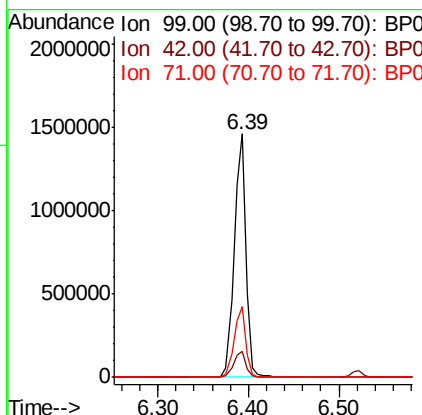
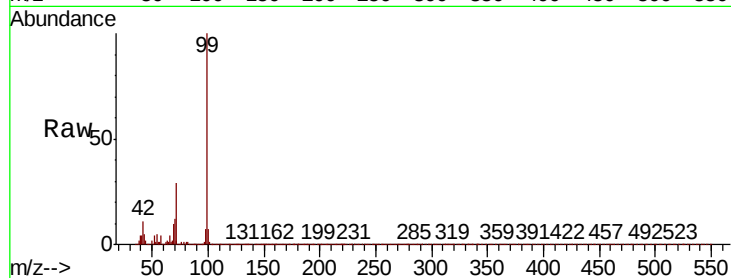
ClientSampleId :

20190832-COMPOSITE-H

Tot Ion:	99	Resp:	1330050
Ion	Ratio	Lower	Upper
99	100		
42	10.7	8.6	12.8
71	28.8	23.0	34.4

Manual Integrations
APPROVED

mohammad
10/16/2019 8:08:52 AM



#9

Benzaldehyde

Concen: 2.841 ng

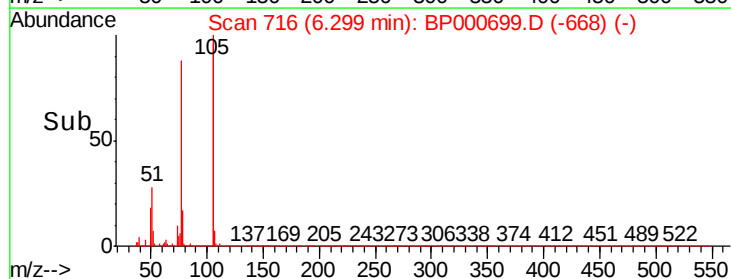
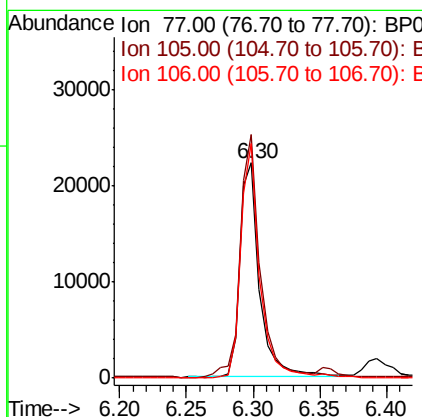
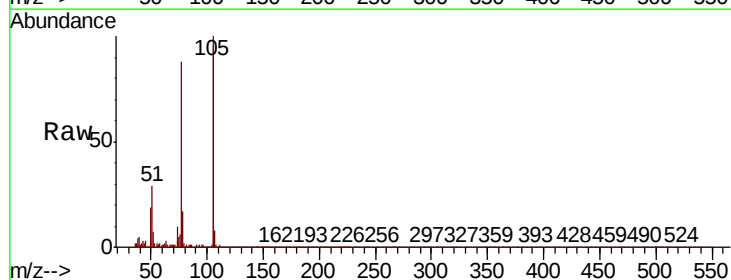
RT: 6.30 min Scan# 716

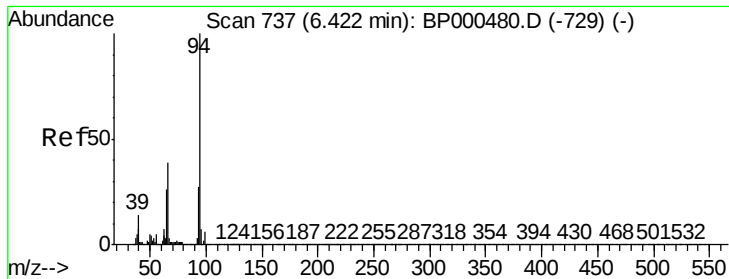
Delta R.T. -0.02 min

Lab File: BP000699.D

Acq: 13 Oct 2019 04:05

Tgt Ion:	77	Resp:	23044
Ion	Ratio	Lower	Upper
77	100		
105	113.1	88.3	128.3
106	108.7	85.7	125.7





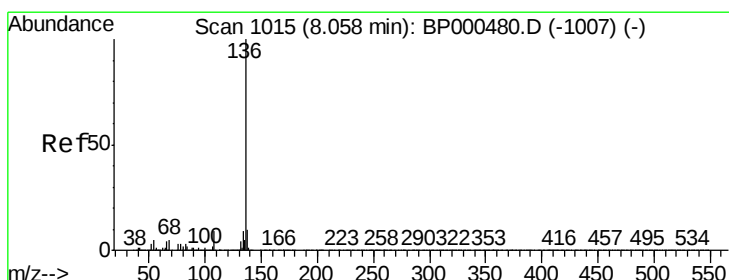
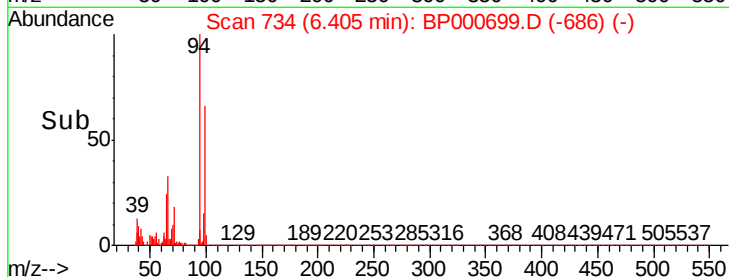
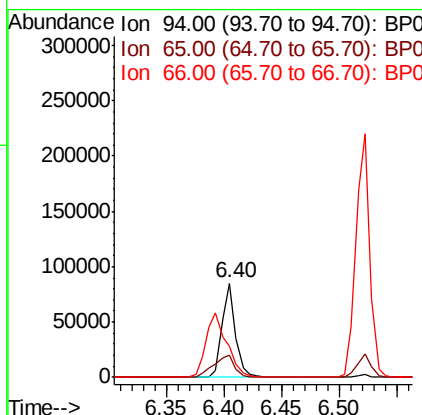
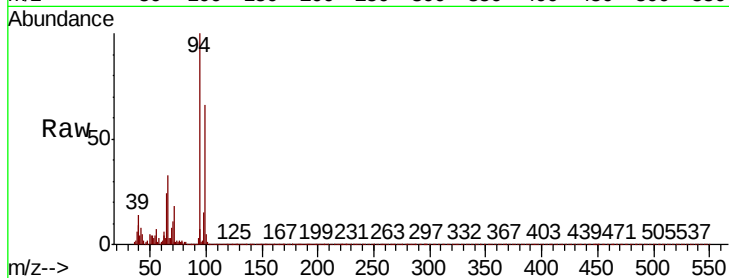
#10
Phenol
Concen: 4.352 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100		69398		
65	24.0	5.9	45.9		
66	32.9	18.8	58.8		

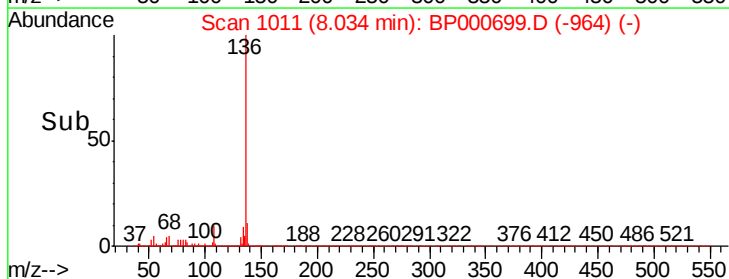
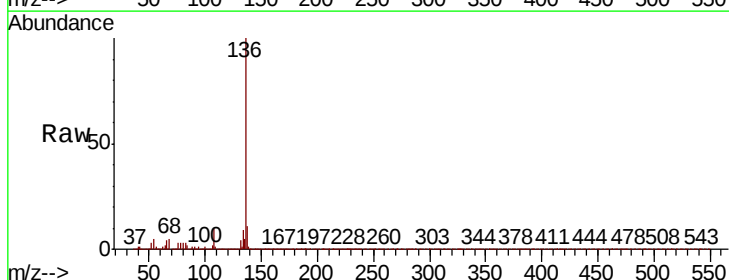
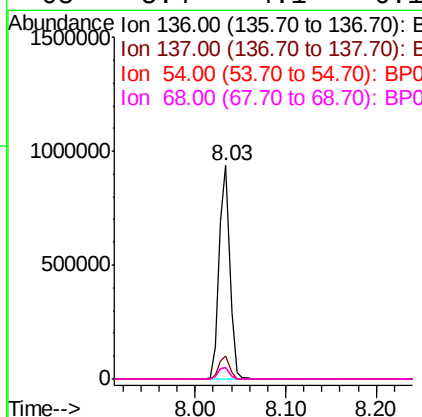
Manual Integrations
APPROVED

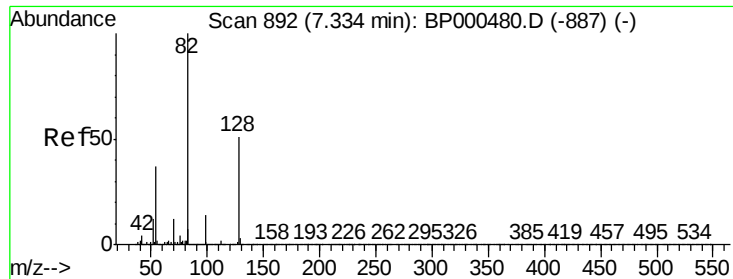
mohammad
10/16/2019 8:08:52 AM



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		750237		
137	10.9	8.2	12.4		
54	5.4	4.1	6.1		
68	5.4	4.1	6.1		





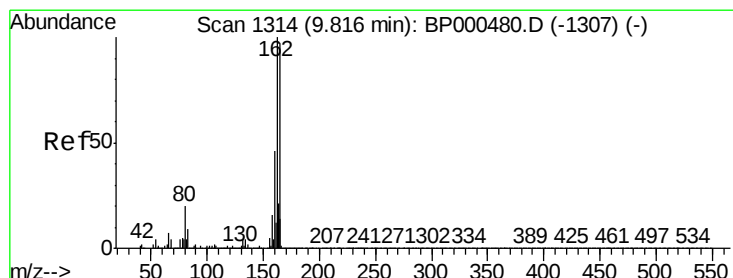
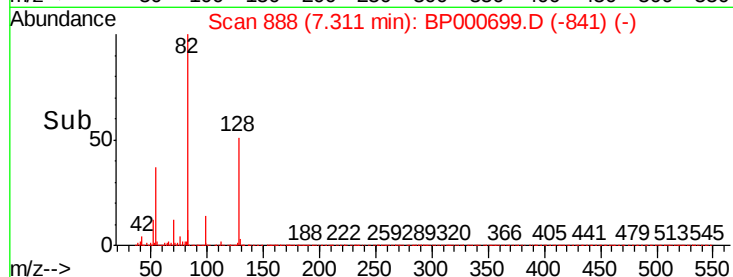
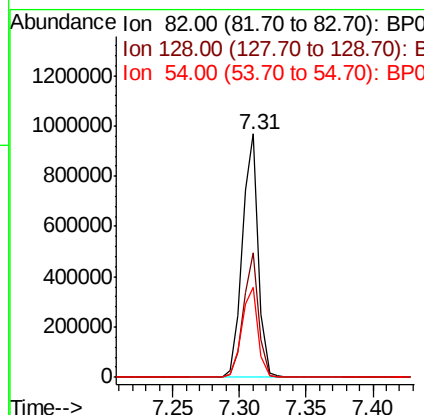
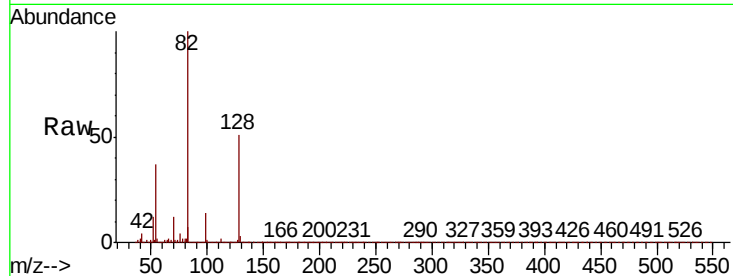
#23
Nitrobenzene-d5
Concen: 65.102 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.9	40.9	61.3
54	37.1	29.4	44.2

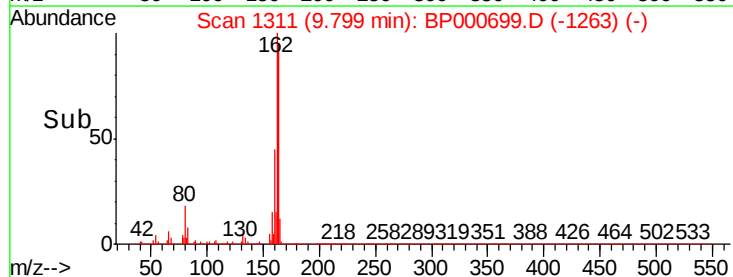
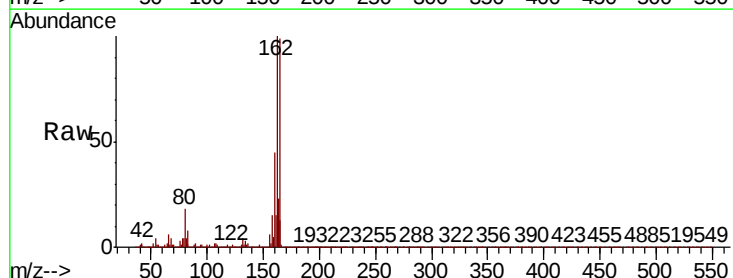
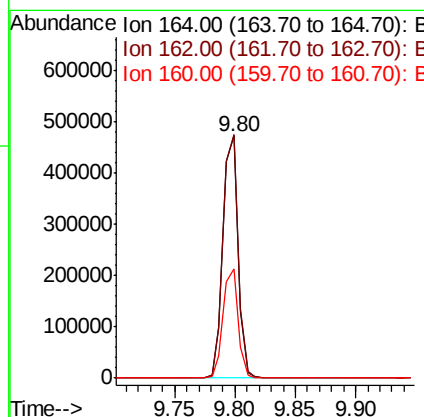
Manual Integrations
APPROVED

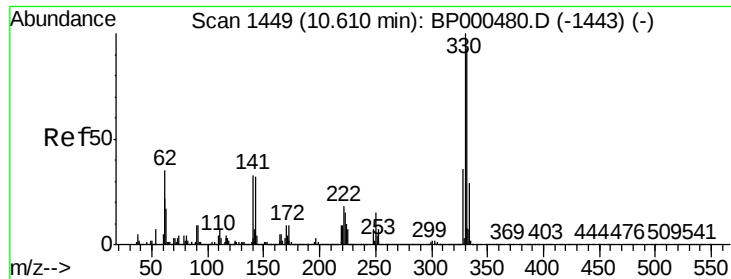
mohammad
10/16/2019 8:08:52 AM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.5	82.2	123.2
160	45.0	37.6	56.4





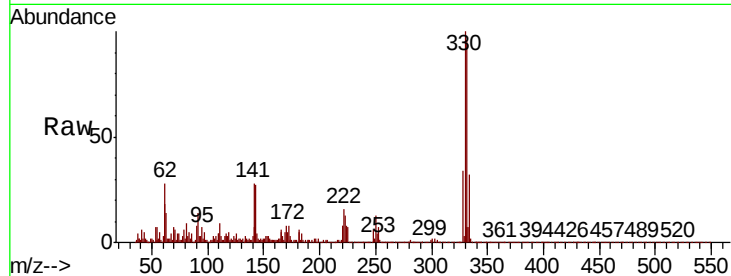
#42
2,4,6-Tribromophenol
Concen: 10.746 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.1	115.7
141	32.9	26.0	39.0

Manual Integrations
APPROVED

mohammad
10/16/2019 8:08:52 AM

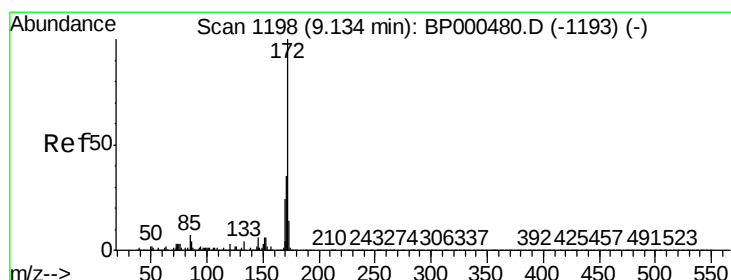
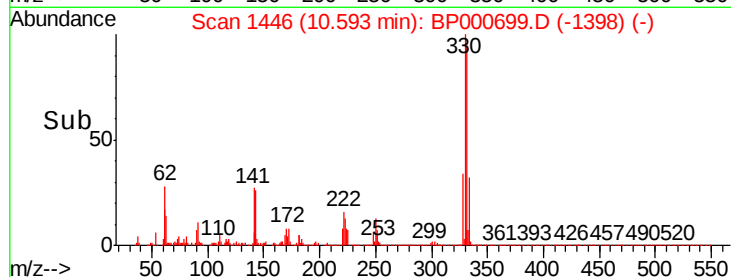
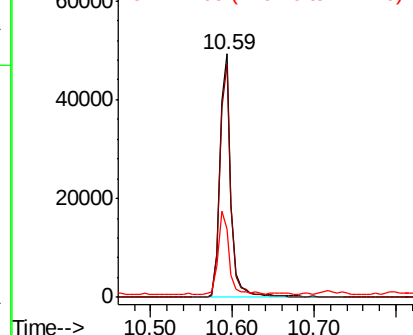


Abundance

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: 56.796 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

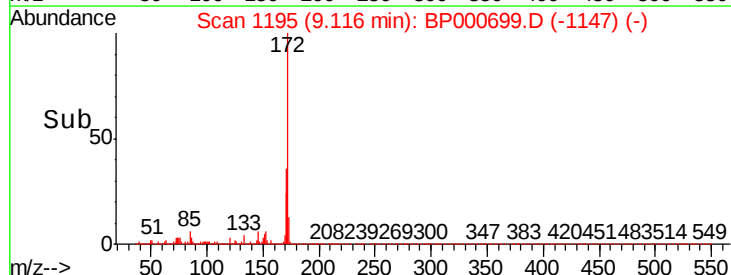
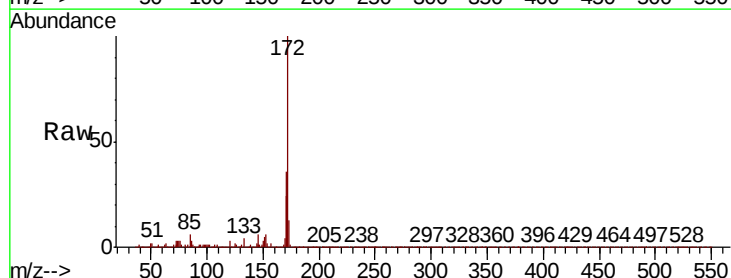
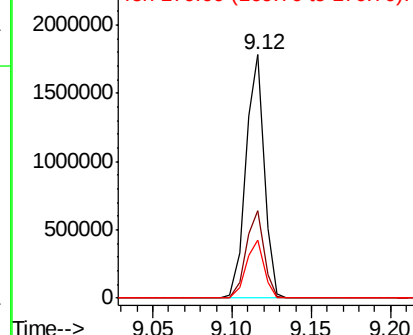
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	23.8	19.1	28.7

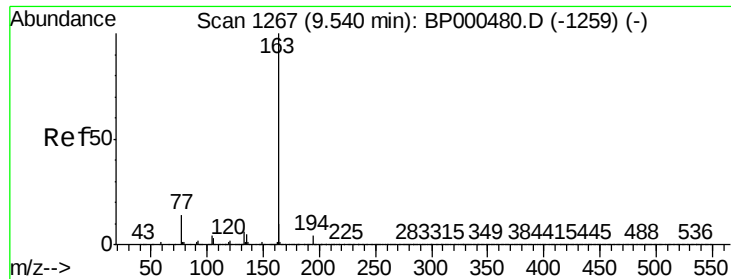
Abundance

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





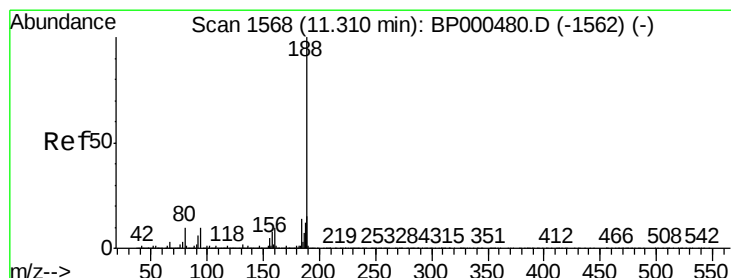
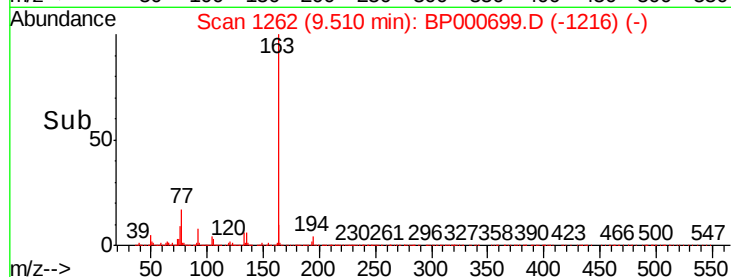
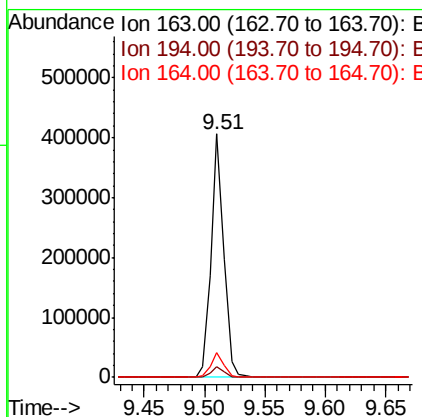
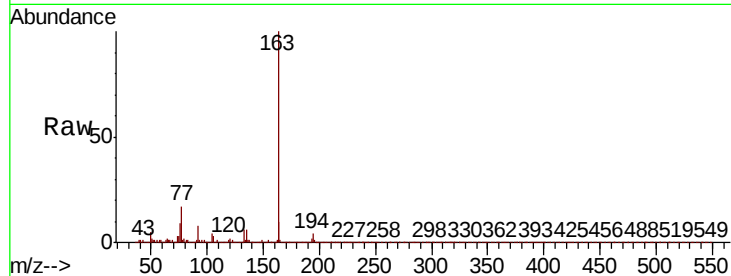
#50
Dimethylphthalate
Concen: 10.354 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		291552		
194	4.4		3.4	5.2	
164	10.3		8.0	12.0	

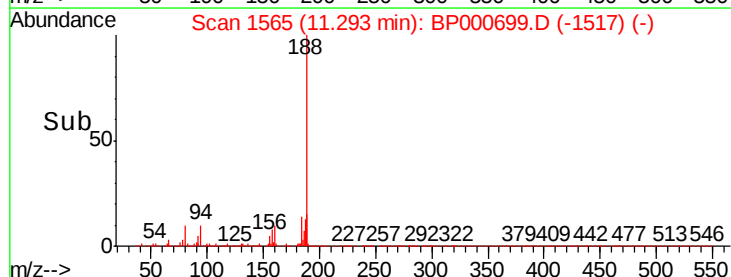
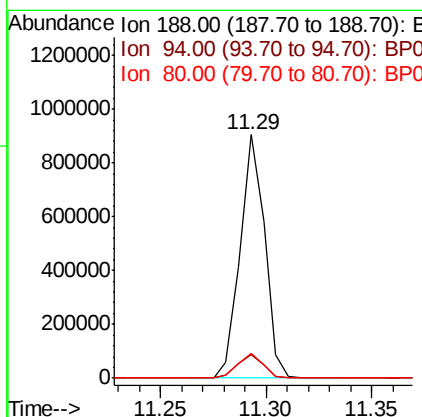
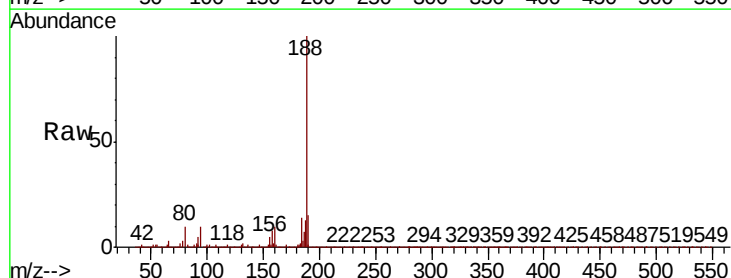
Manual Integrations
APPROVED

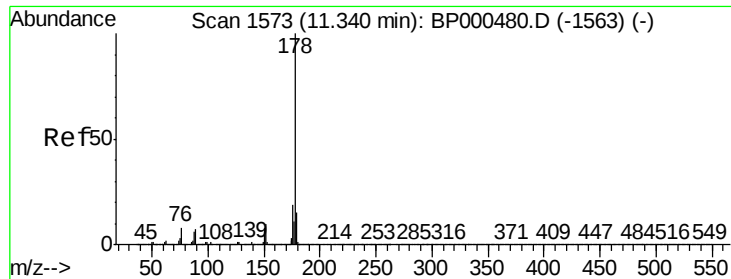
mohammad
10/16/2019 8:08:52 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		726470		
94	9.9		8.2	12.2	
80	10.2		8.3	12.5	





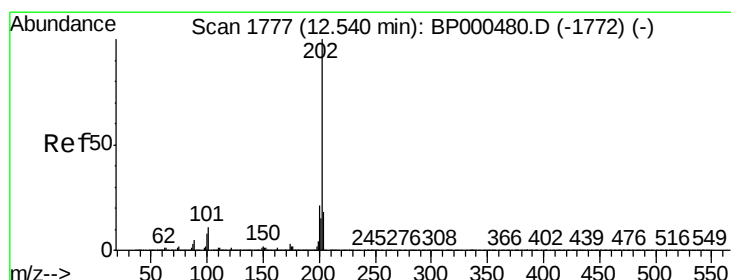
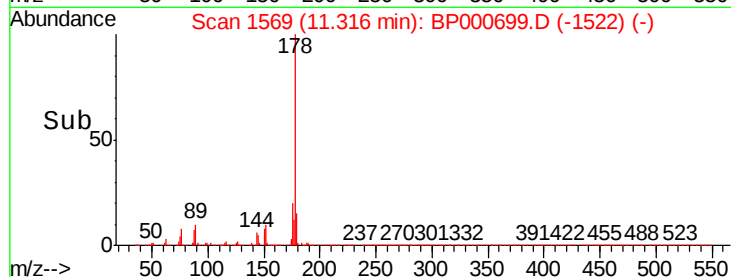
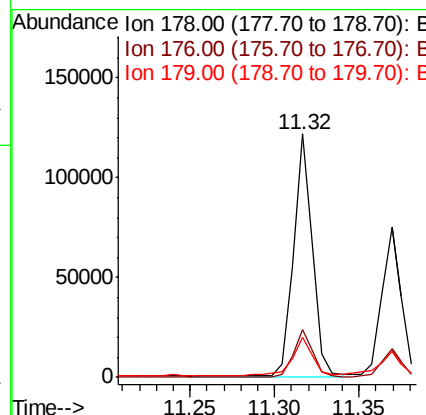
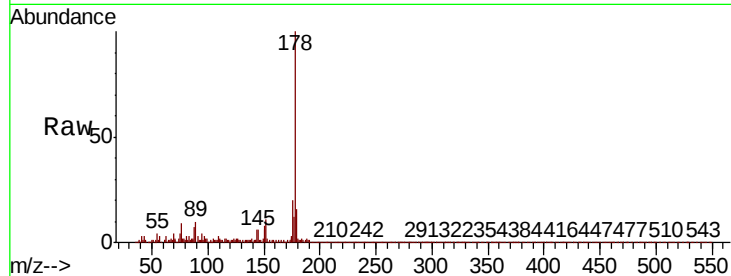
#71
Phenanthrene
Concen: 2.593 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	16.4	12.2	18.4

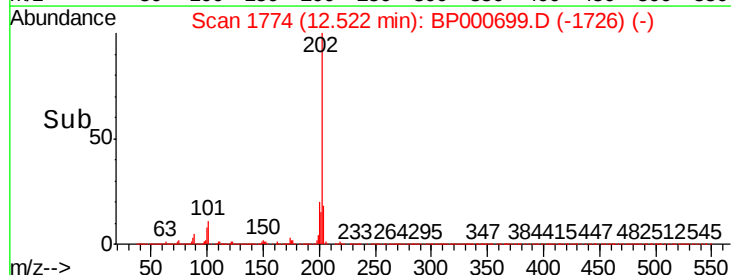
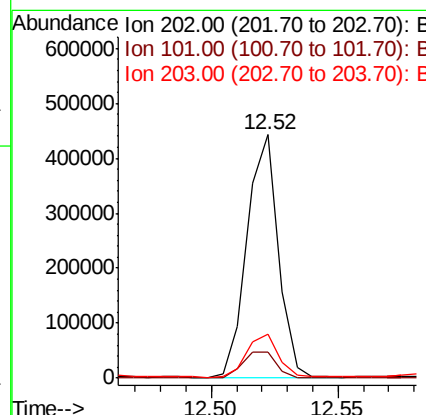
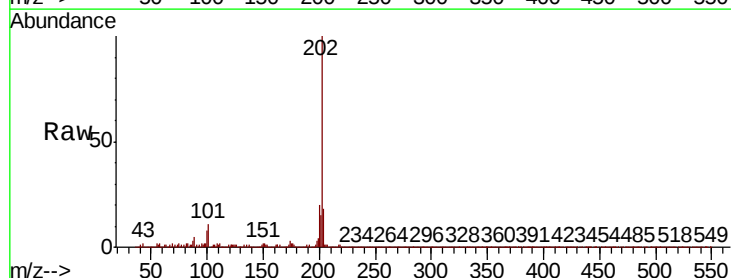
Manual Integrations
APPROVED

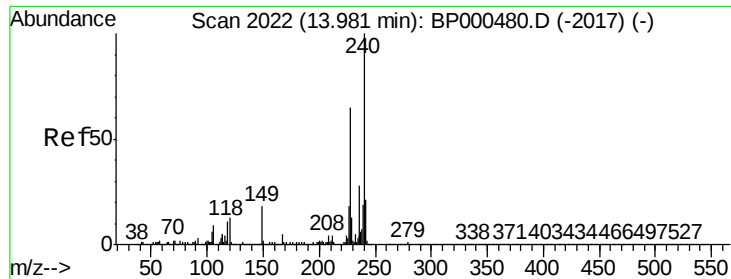
mohammad
10/16/2019 8:08:52 AM



#75
Fluoranthene
Concen: 9.201 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.3
203	17.9	0.0	38.1





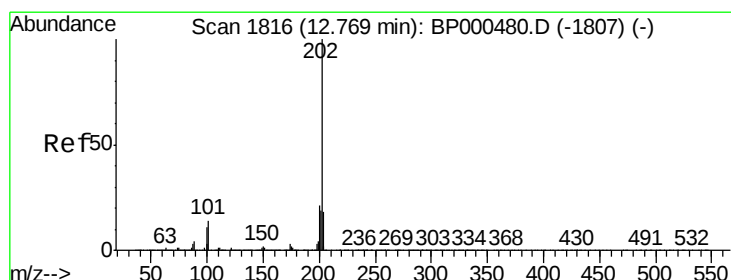
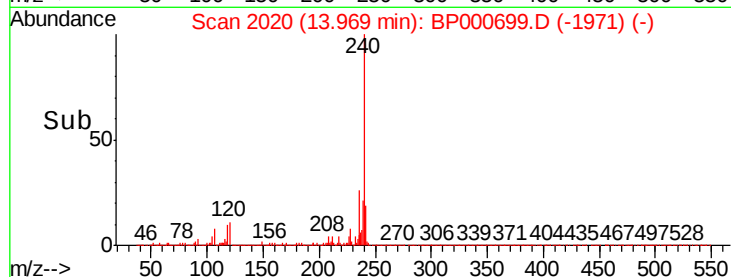
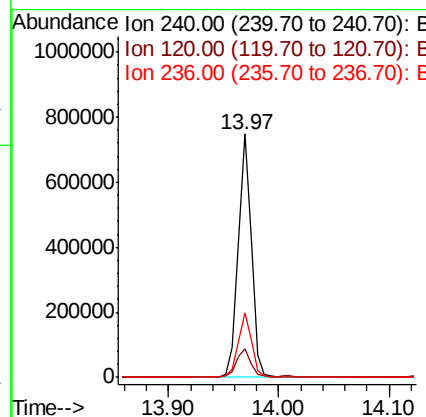
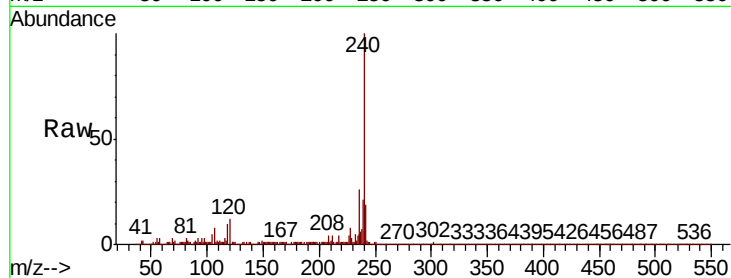
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.1	15.1
236	26.4	22.7	34.1

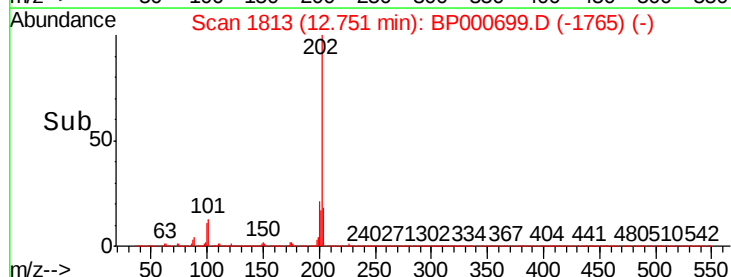
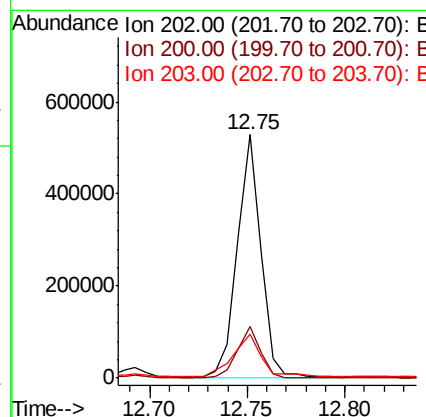
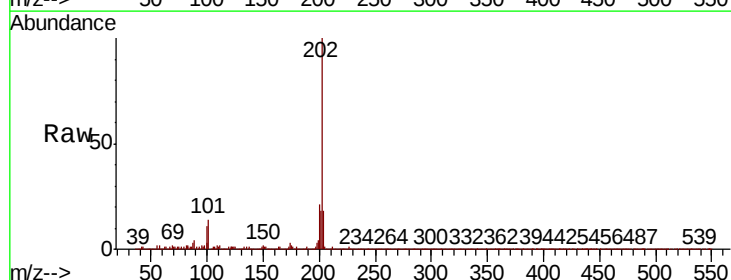
Manual Integrations
APPROVED

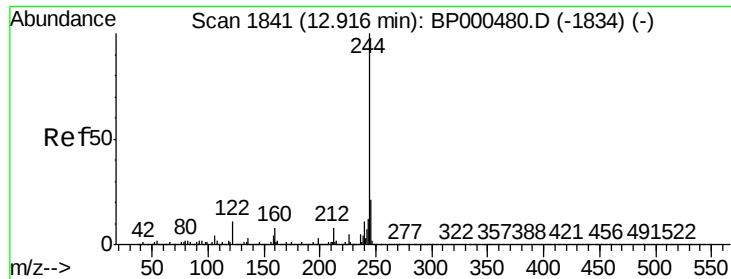
mohammad
10/16/2019 8:08:52 AM



#78
Pyrene
Concen: 10.154 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	18.0	14.6	21.8





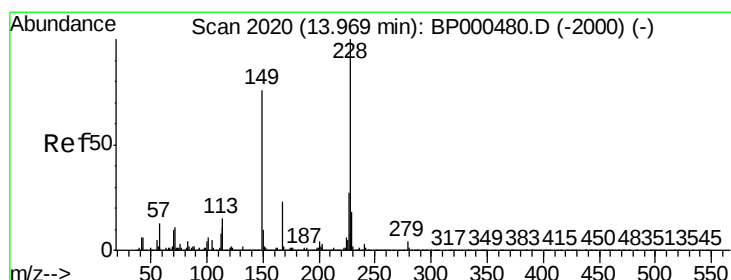
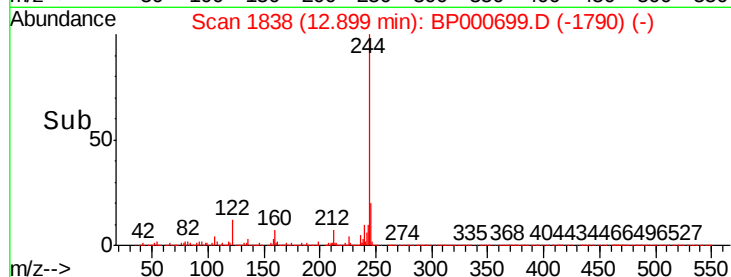
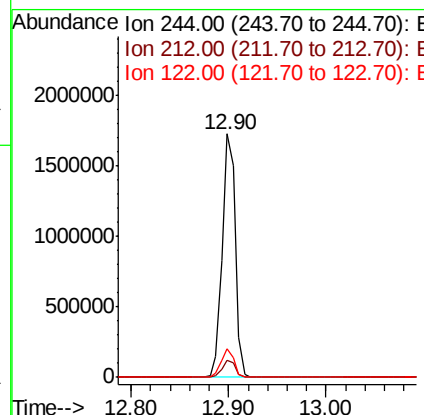
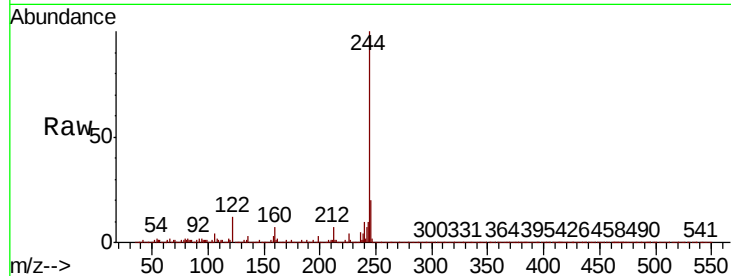
#79
 Terphenyl-d14
 Concen: 51.474 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.02 min
 Lab File: BP000699.D
 Acq: 13 Oct 2019 04:05

Instrument :
 BNA_P
 ClientSampleId :
 20190832-COMPOSITE-H

Tot Ion:244 Resp: 1599632
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 11.7 8.9 13.3

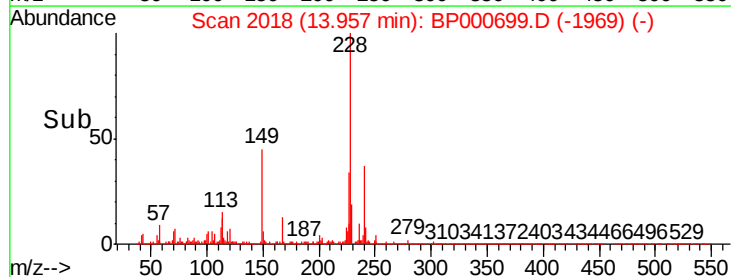
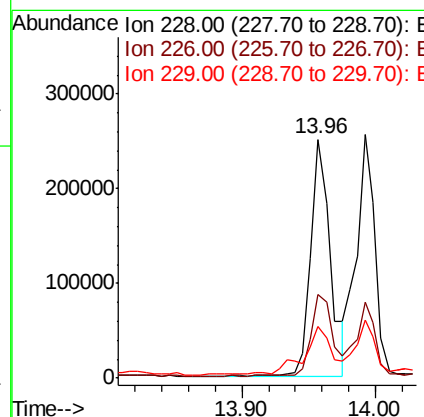
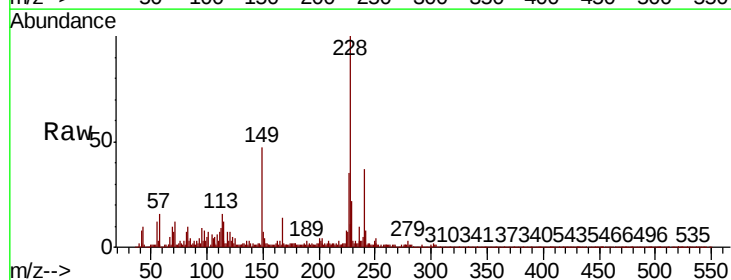
Manual Integrations
 APPROVED

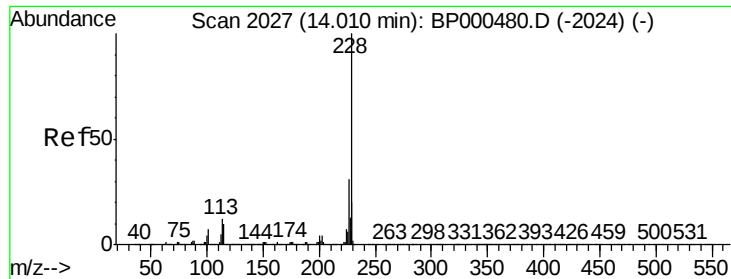
mohammad
 10/16/2019 8:08:52 AM



#81
 Benzo(a)anthracene
 Concen: 6.578 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BP000699.D
 Acq: 13 Oct 2019 04:05

Tgt Ion:228 Resp: 252535
 Ion Ratio Lower Upper
 228 100
 226 35.2 21.4 32.2#
 229 21.7 14.7 22.1





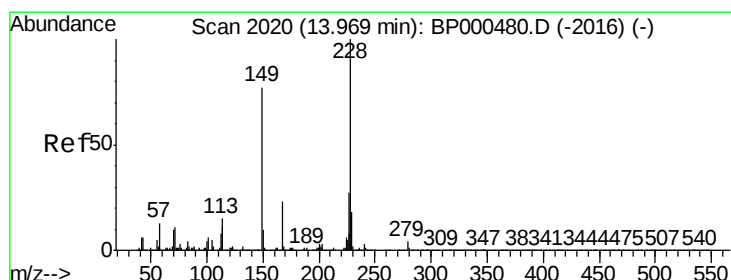
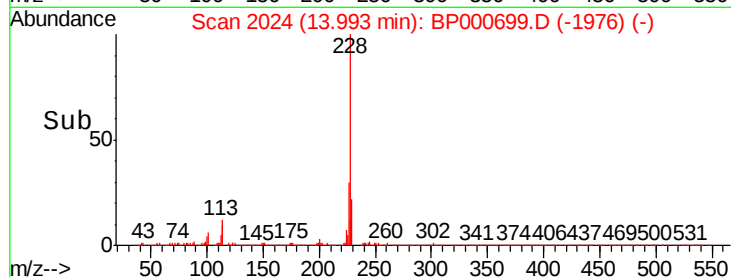
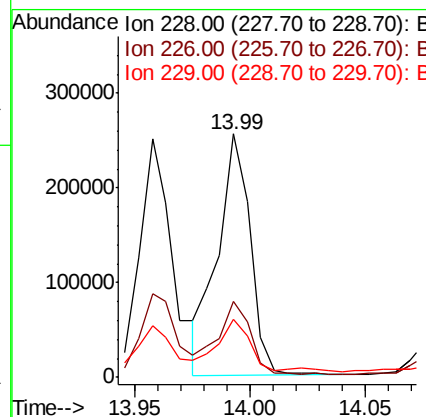
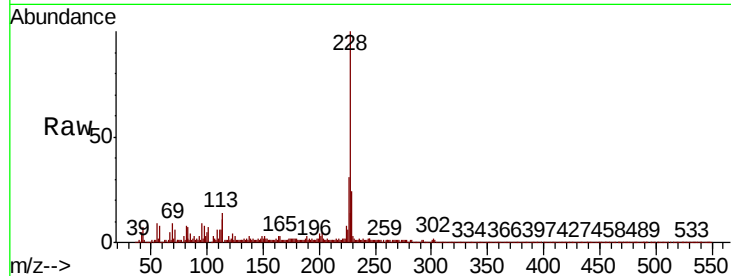
#83
Chrysene
Concen: 6.647 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.7	37.1
229	23.9	16.3	24.5

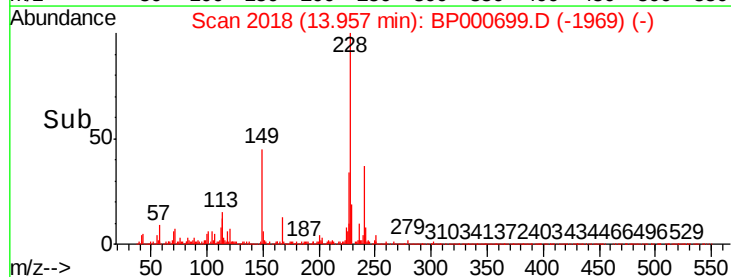
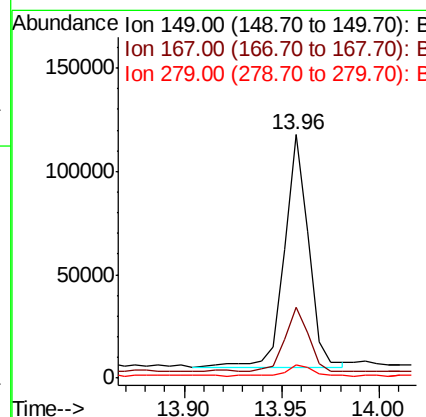
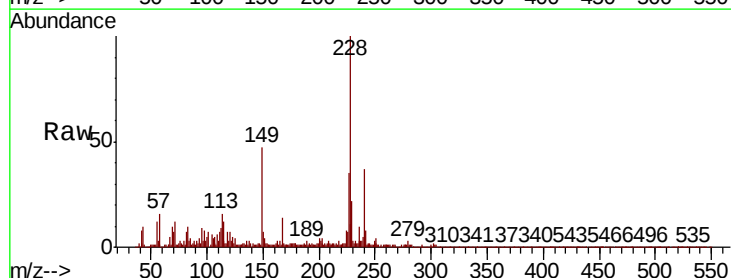
Manual Integrations
APPROVED

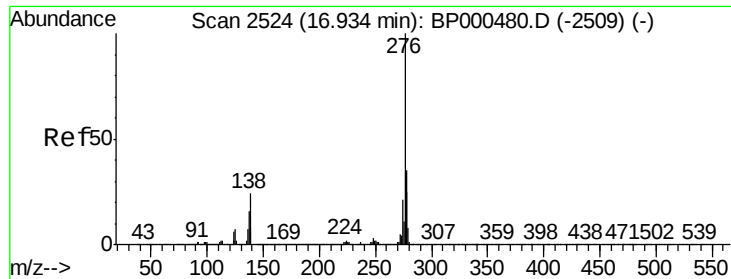
mohammad
10/16/2019 8:08:52 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.009 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.6	35.4
279	5.7	3.9	5.9





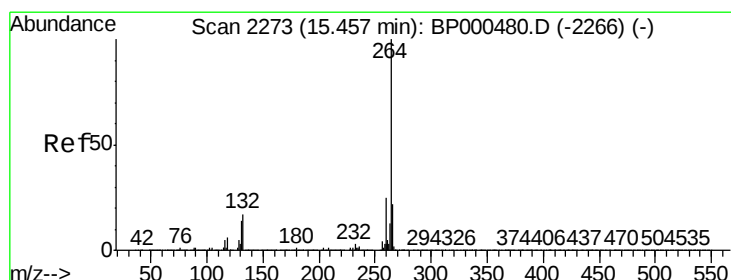
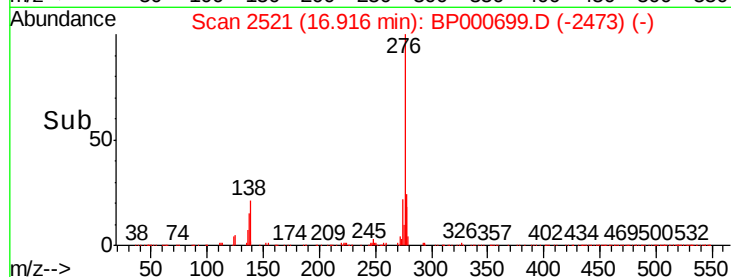
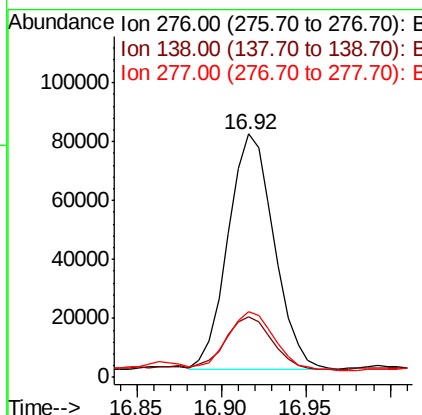
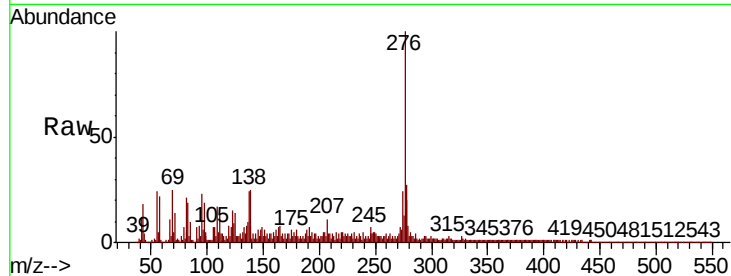
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.226 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. -0.02 min
 Lab File: BP000699.D
 Acq: 13 Oct 2019 04:05

Instrument :
 BNA_P
 ClientSampleId :
 20190832-COMPOSITE-H

Tot Ion:	276	Resp:	151858
Ion Ratio	Lower	Upper	
276	100		
138	23.4	20.9	31.3
277	25.7	20.6	30.8

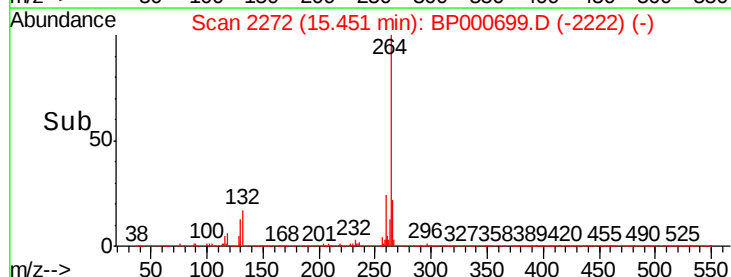
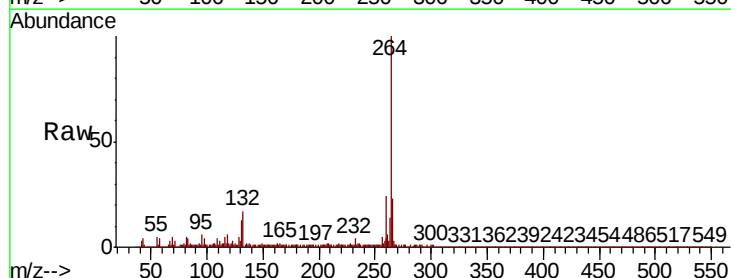
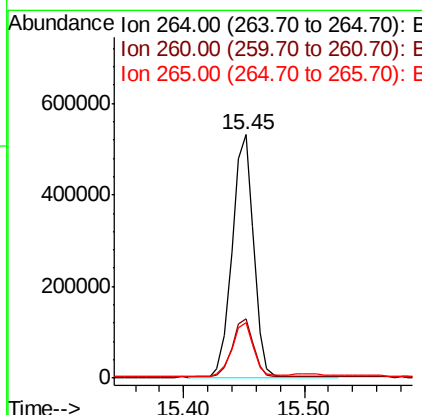
Manual Integrations
 APPROVED

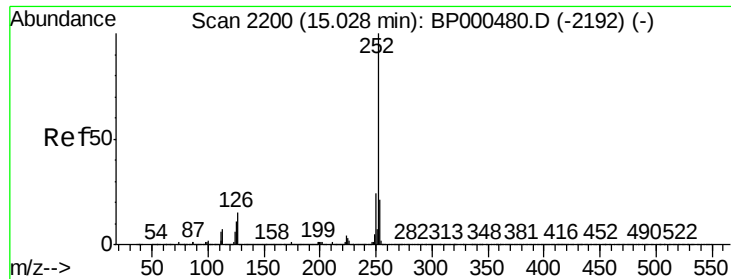
mohammad
 10/16/2019 8:08:52 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BP000699.D
 Acq: 13 Oct 2019 04:05

Tgt Ion:	264	Resp:	653596
Ion Ratio	Lower	Upper	
264	100		
260	24.4	20.3	30.5
265	22.8	18.0	27.0





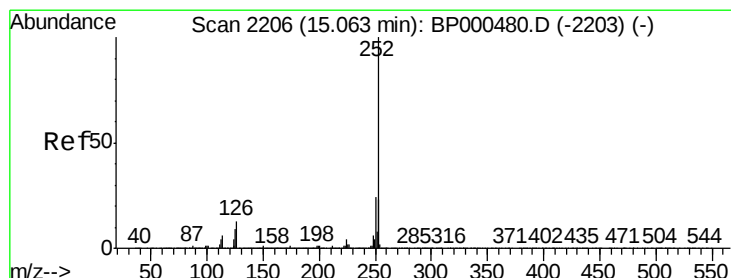
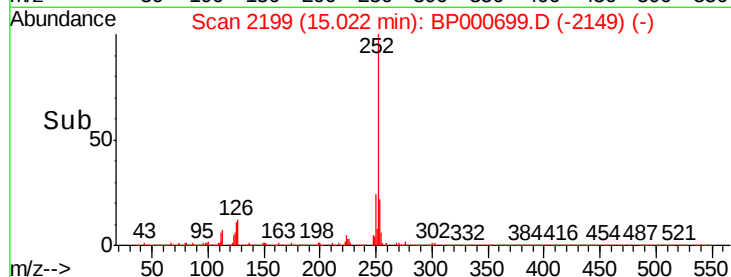
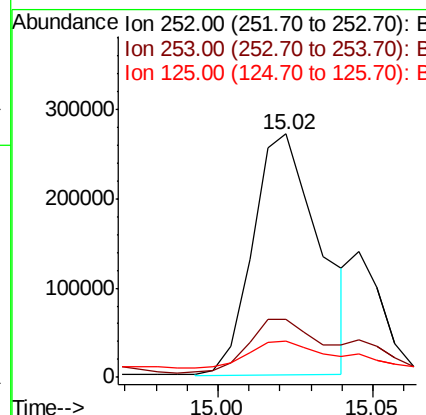
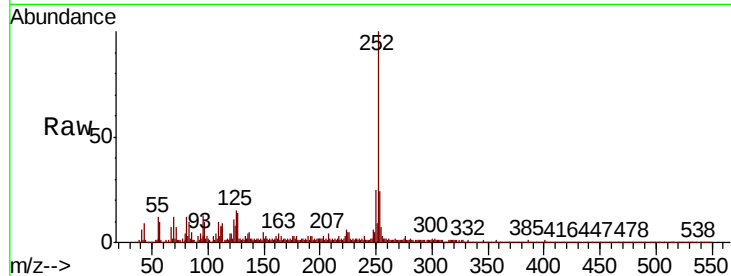
#88
Benzo(b)fluoranthene
Concen: 10.902 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.4
125	14.9	8.9	13.3

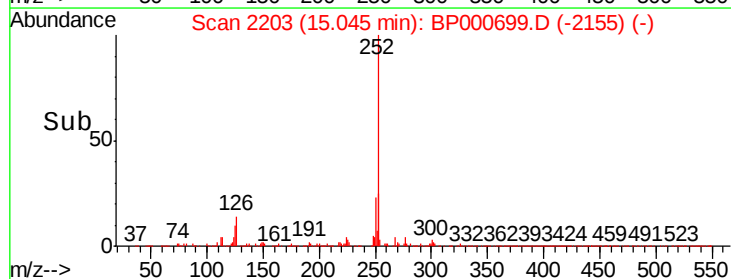
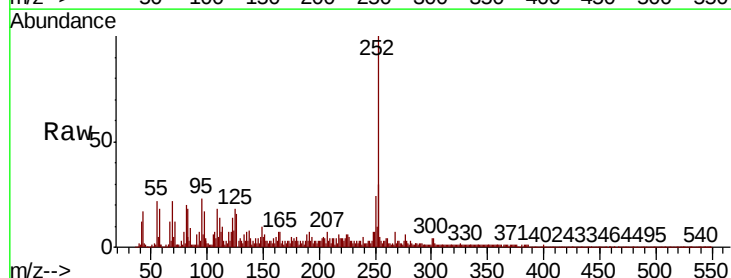
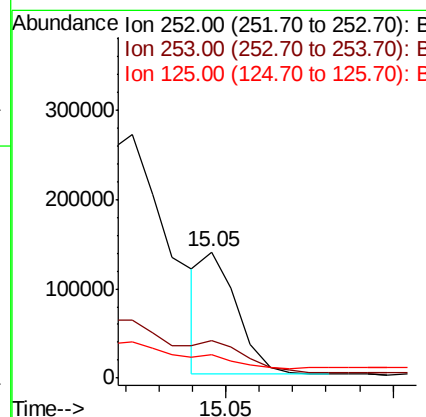
Manual Integrations
APPROVED

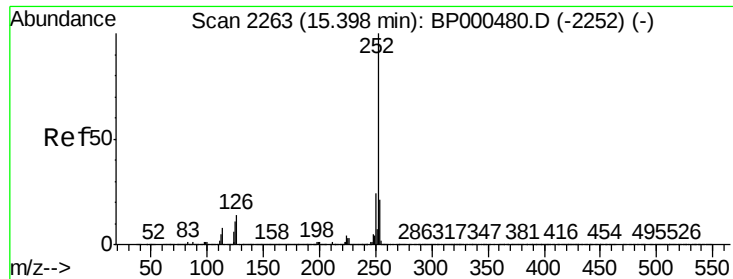
mohammad
10/16/2019 8:08:52 AM



#89
Benzo(k)fluoranthene
Concen: 2.757 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.8	18.4	27.6
125	18.1	7.8	11.8





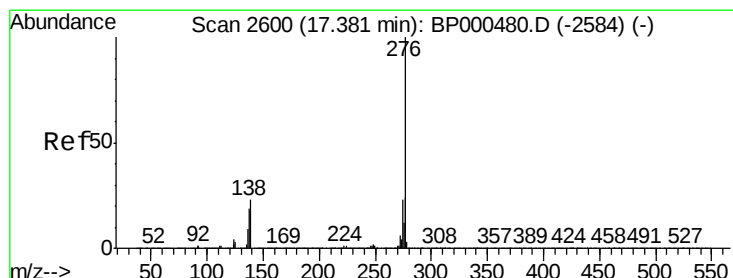
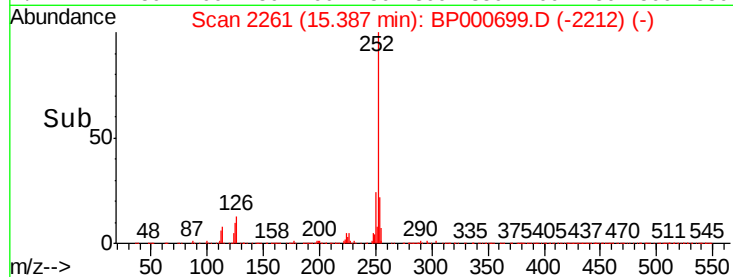
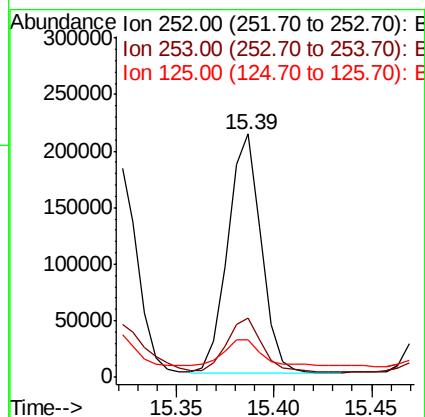
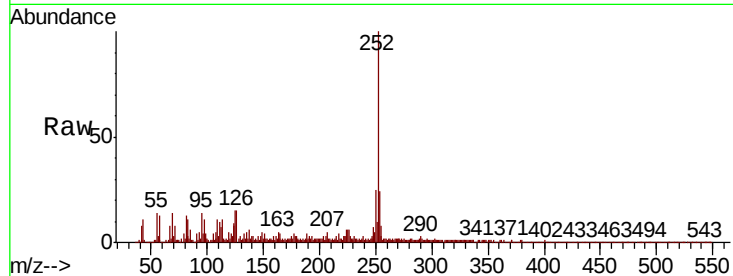
#90
Benzo(a)pyrene
Concen: 7.299 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Instrument :
BNA_P
ClientSampleId :
20190832-COMPOSITE-H

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	15.3	8.4	12.6

Manual Integrations
APPROVED

mohammad
10/16/2019 8:08:52 AM



#92
Benzo(g,h,i)perylene
Concen: 4.591 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BP000699.D
Acq: 13 Oct 2019 04:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.4	29.2
138	23.4	18.5	27.7

