

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092619\
 Data File : BP000432.D
 Acq On : 26 Sep 2019 19:11
 Operator : JU
 Sample : K5038-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TS-2

Manual Integrations
 APPROVED

mohammad
 9/27/2019 1:47:20 PM

Quant Time: Oct 09 06:59:34 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	242647	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	867784	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	476545	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	860467	20.00	ng	0.00
76) Chrysene-d12	14.00	240	733995	20.00	ng	0.00
87) Perylene-d12	15.50	264	810026	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1398630	99.51	ng	0.02
7) Phenol-d6	6.44	99	1806831	104.87	ng	0.02
23) Nitrobenzene-d5	7.35	82	1022388	76.01	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	523304	110.71	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2222391	83.93	ng	0.00
79) Terphenyl-d14	12.94	244	2627482	75.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.45	94	65111	3.326	ng	86
49) Acenaphthylene	9.69	152	106417	2.560	ng	99
50) Dimethylphthalate	9.55	163	334260	10.295	ng	99
71) Phenanthrene	11.36	178	178678	4.144	ng	99
75) Fluoranthene	12.56	202	452620	9.775	ng	99
78) Pyrene	12.79	202	525868	9.576	ng	98
81) Benzo(a)anthracene	14.00	228	330448m	7.127	ng	
83) Chrysene	14.03	228	372491	8.182	ng	98
86) Indeno(1,2,3-cd)pyrene	16.99	276	200776	3.618	ng	94
88) Benzo(b)fluoranthene	15.06	252	541515m	11.206	ng	
89) Benzo(k)fluoranthene	15.09	252	159292m	3.779	ng	
90) Benzo(a)pyrene	15.43	252	264314	6.011	ng	99
92) Benzo(g,h,i)perylene	17.43	276	194655	4.619	ng	99

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

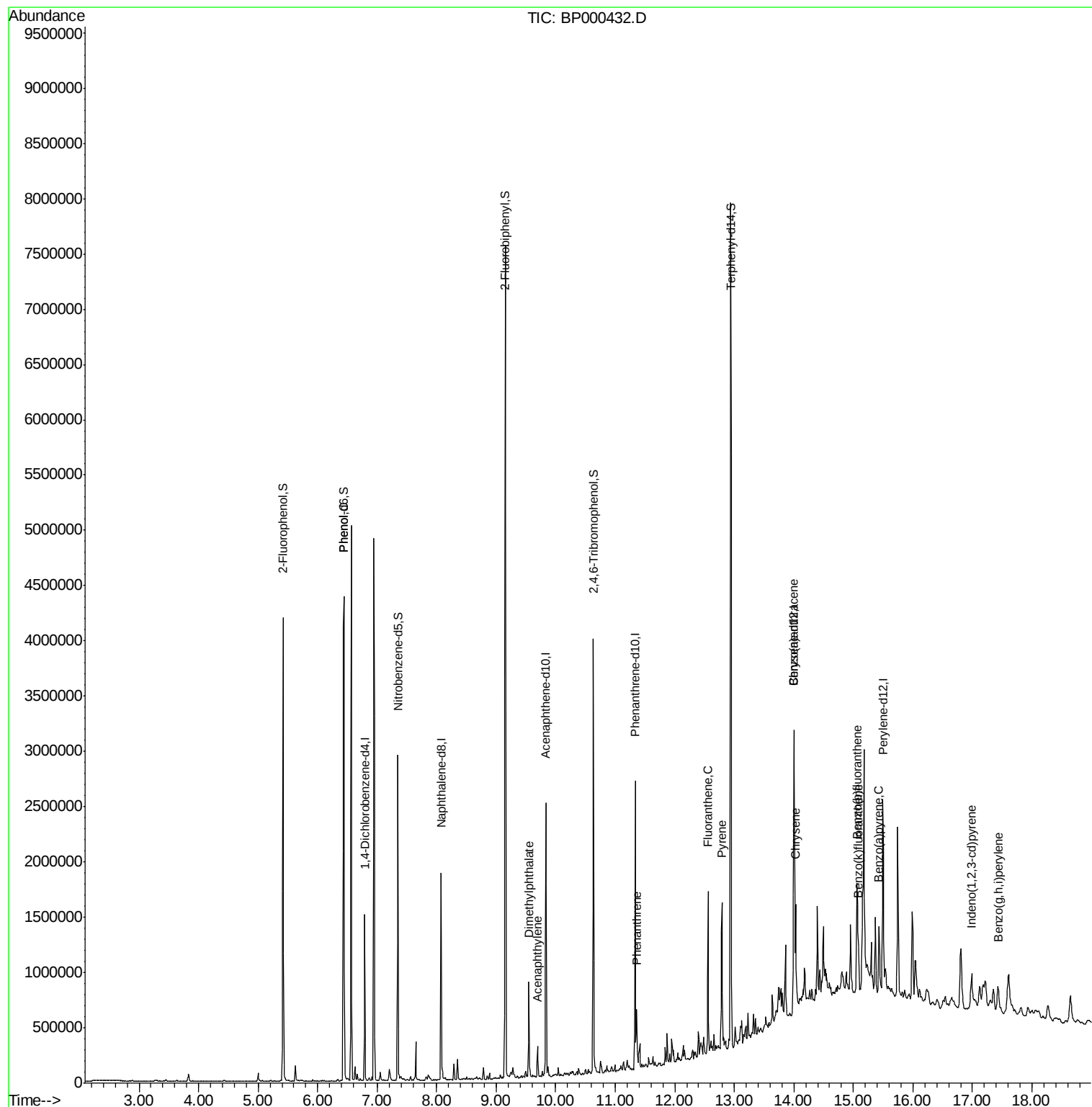
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092619\
Data File : BP000432.D
Acq On : 26 Sep 2019 19:11
Operator : JU
Sample : K5038-09
Misc :
ALS Vial : 21 Sample Multiplier: 1

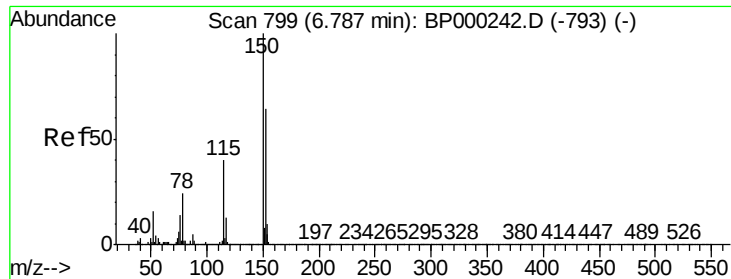
Instrument :
BNA_P
ClientSampled :
TS-2

Manual Integrations
APPROVED

mohammad
9/27/2019 1:47:20 PM

Quant Time: Oct 09 06:59:34 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

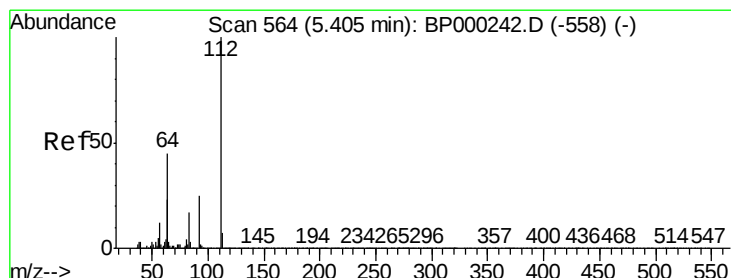
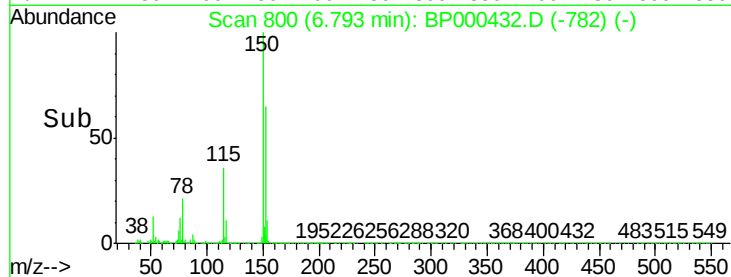
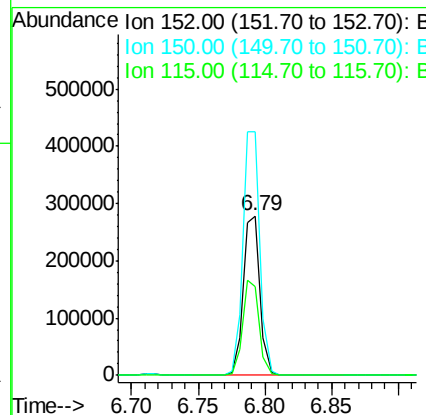
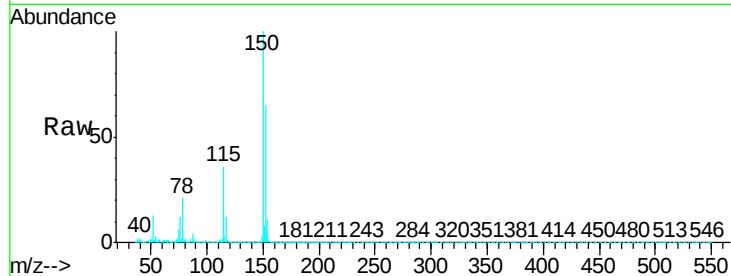
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampled :
TS-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.0	125.2	187.8
115	55.7	49.7	74.5

Manual Integrations
APPROVED

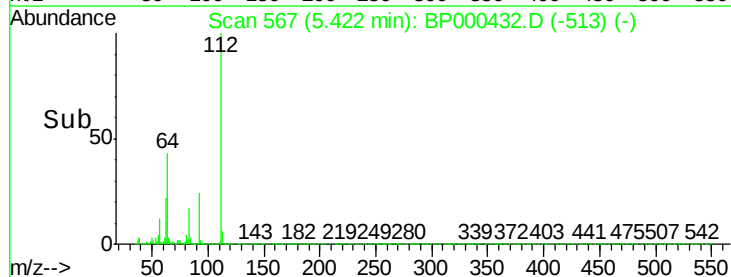
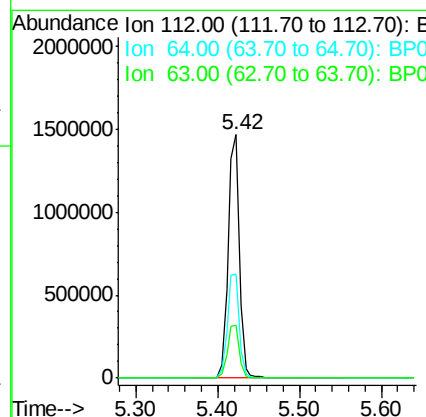
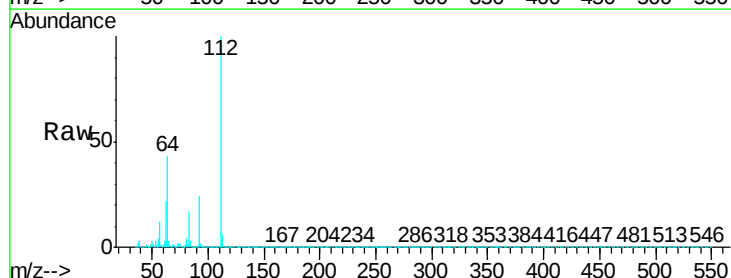
mohammad
9/27/2019 1:47:20 PM

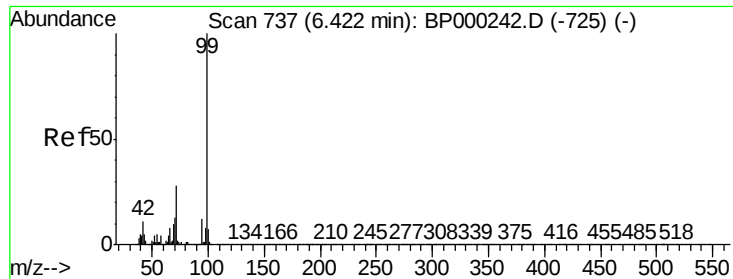


#5

2-Fluorophenol
Concen: 99.508 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.7	36.2	54.4
63	21.9	18.3	27.5





#7

Phenol-d6

Concen: 104.871 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.02 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

ClientSampled :

TS-2

Tgt Ion: 99 Resp: 1806831

Ion Ratio Lower Upper

99 100

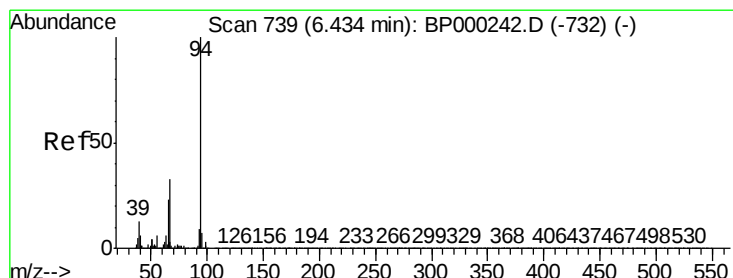
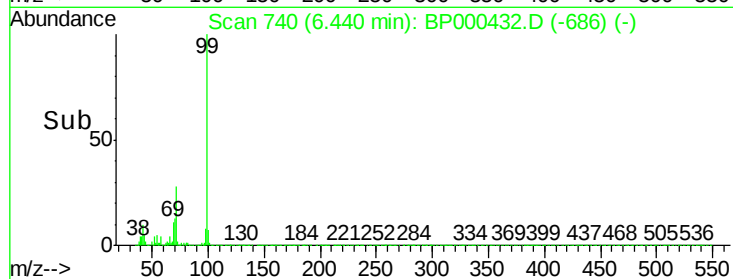
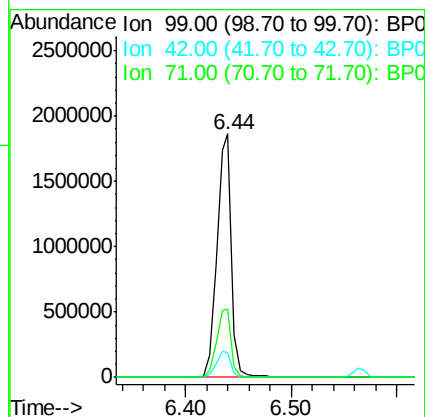
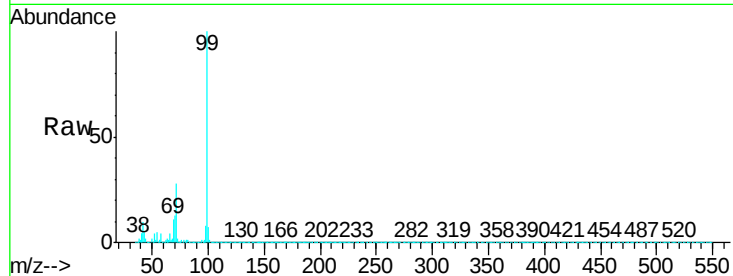
42 10.4 8.5 12.7

71 28.2 22.6 34.0

Manual Integrations
APPROVED

mohammad

9/27/2019 1:47:20 PM



#10

Phenol

Concen: 3.326 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

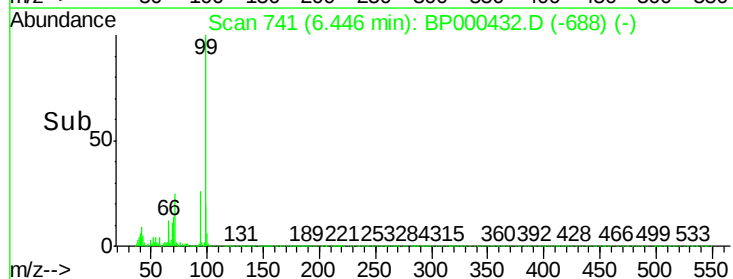
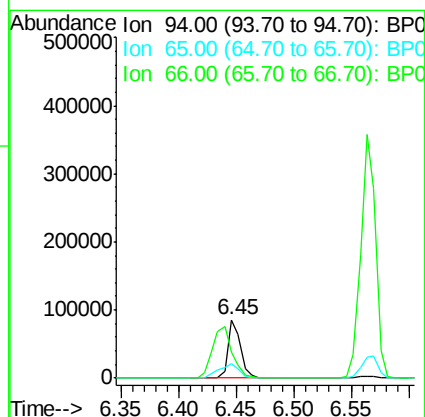
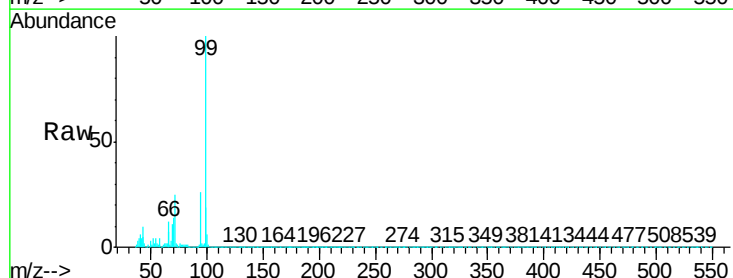
Tgt Ion: 94 Resp: 65111

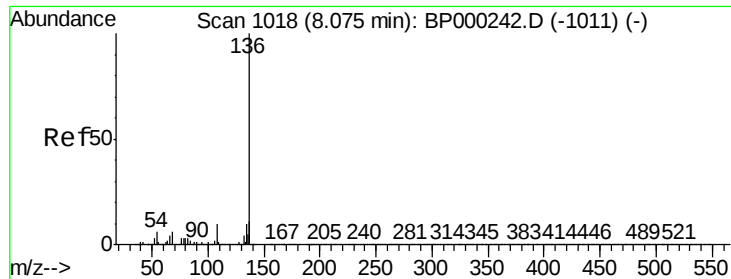
Ion Ratio Lower Upper

94 100

65 25.7 3.3 43.3

66 44.5 12.7 52.7





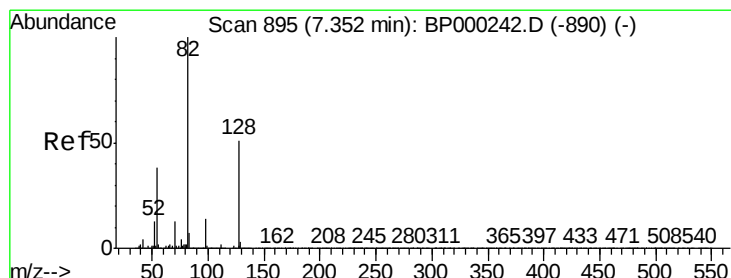
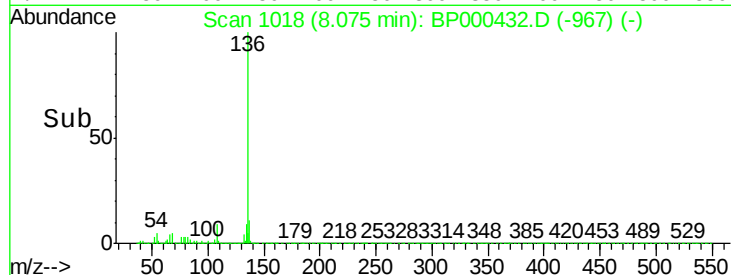
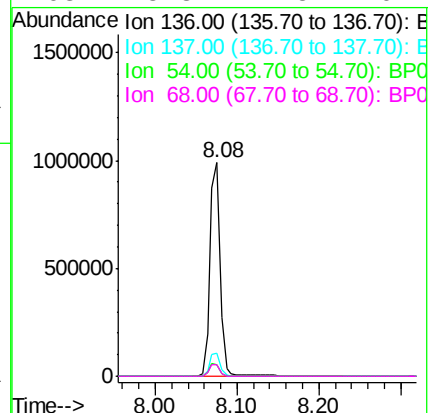
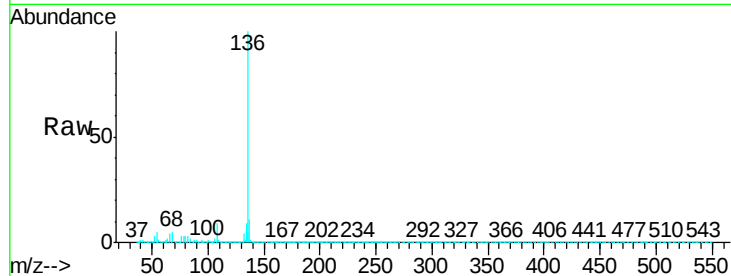
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampleId :
TS-2

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	867784		
137	10.9		8.6	13.0
54	5.3		4.5	6.7
68	5.3		4.5	6.7

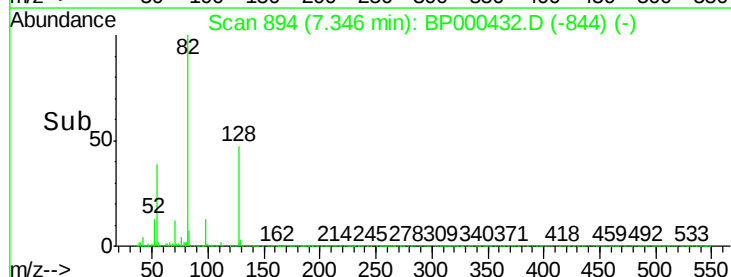
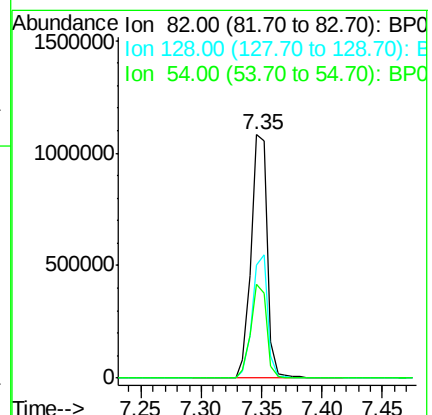
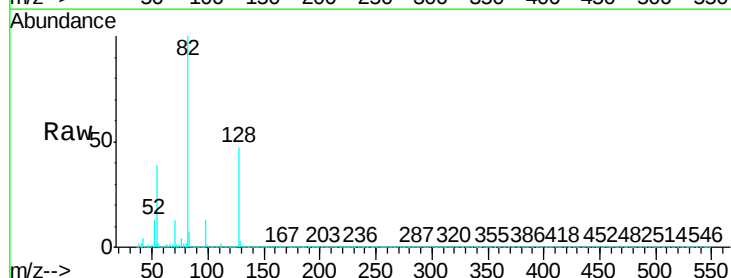
Manual Integrations
APPROVED

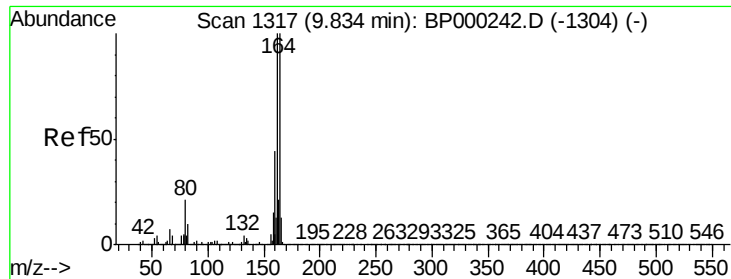
mohammad
9/27/2019 1:47:20 PM



#23
Nitrobenzene-d5
Concen: 76.014 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1022388		
128	46.6		40.7	61.1
54	38.7		30.1	45.1





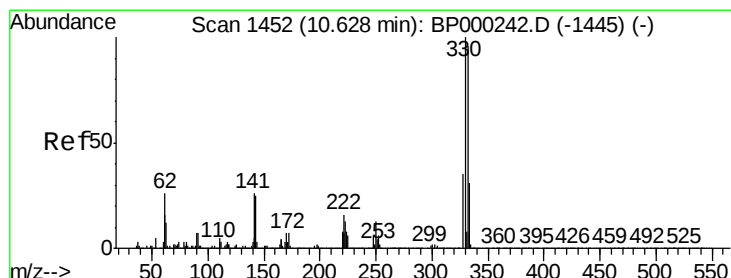
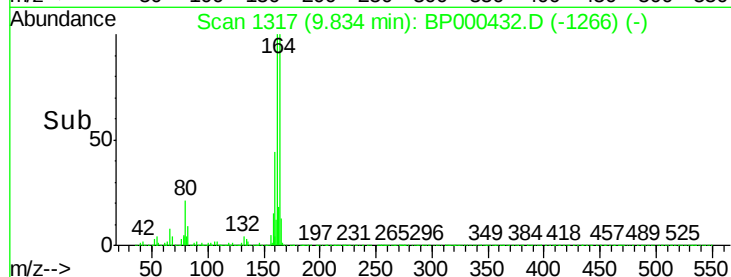
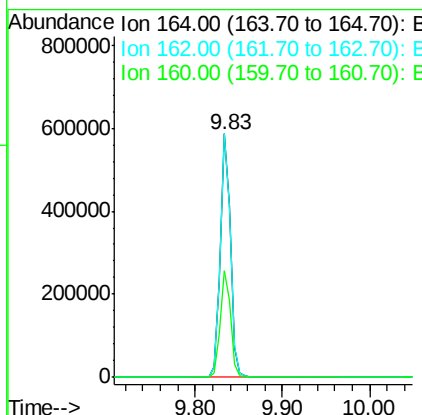
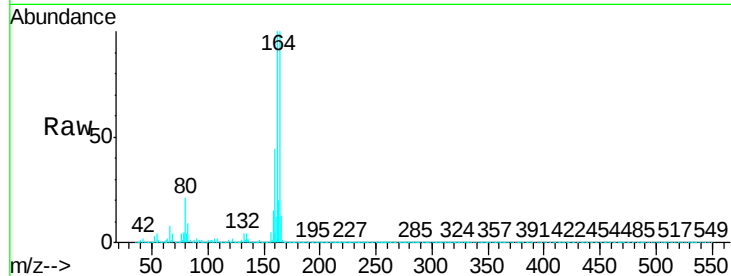
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampleId :
TS-2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	476545		
162	99.8	79.9	119.9	
160	43.9	35.6	53.4	

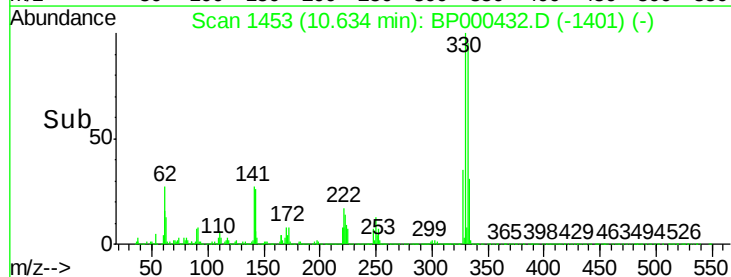
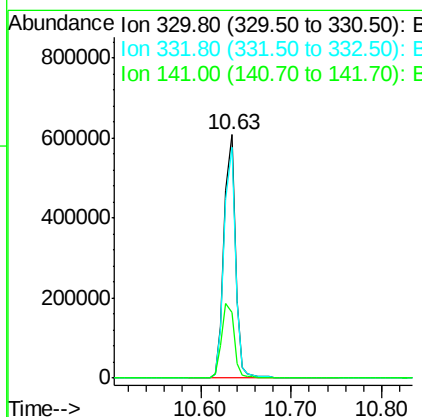
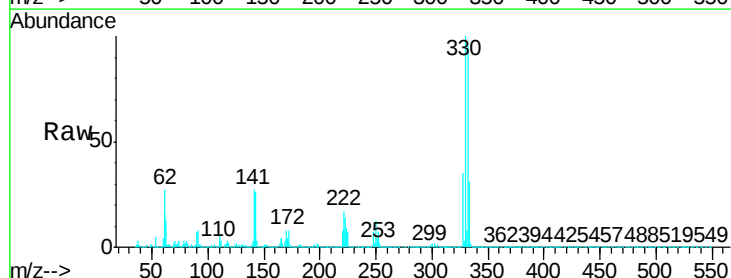
Manual Integrations
APPROVED

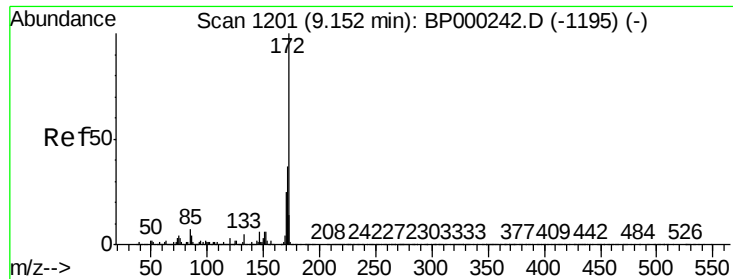
mohammad
9/27/2019 1:47:20 PM



#42
2,4,6-Tribromophenol
Concen: 110.713 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	523304		
332	95.9	76.6	115.0	
141	33.3	26.5	39.7	





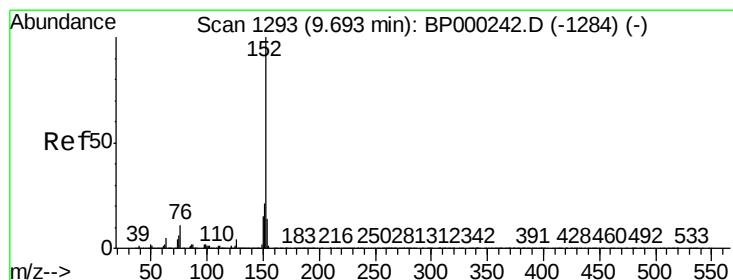
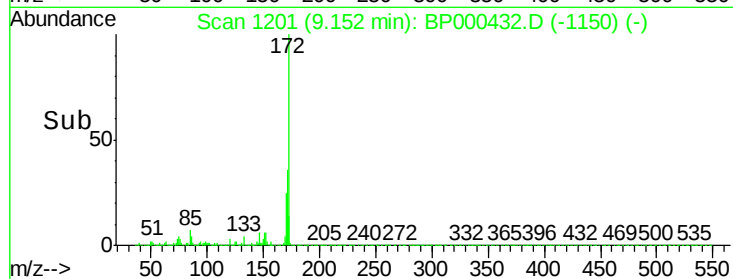
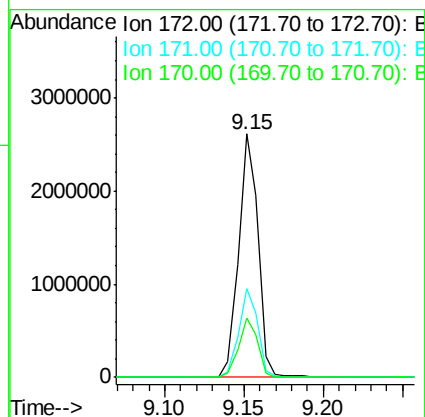
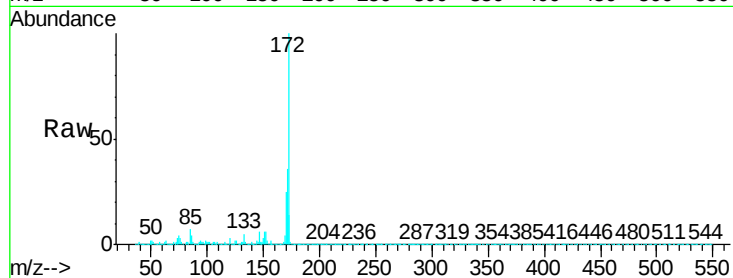
#45
2-Fluorobiphenyl
Concen: 83.935 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampleId :
TS-2

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.6
170	24.6	19.8	29.6

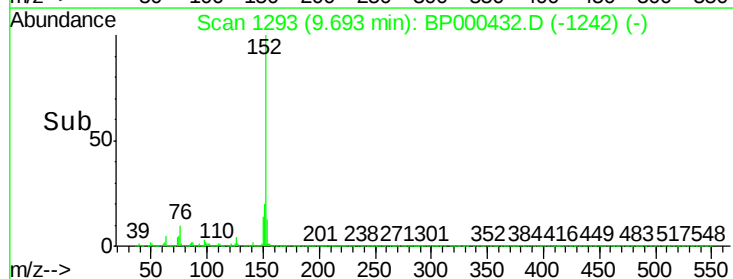
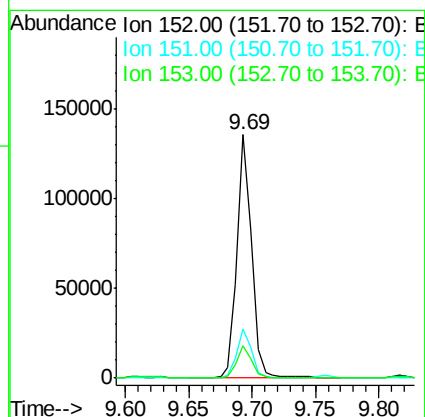
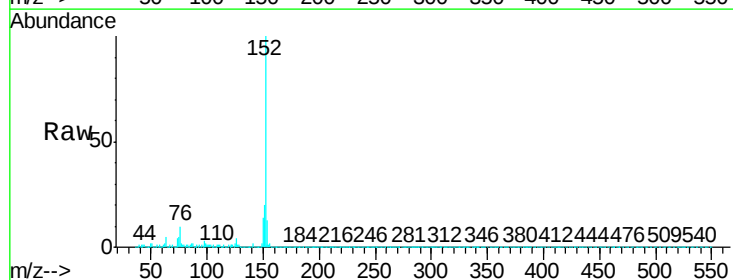
Manual Integrations
APPROVED

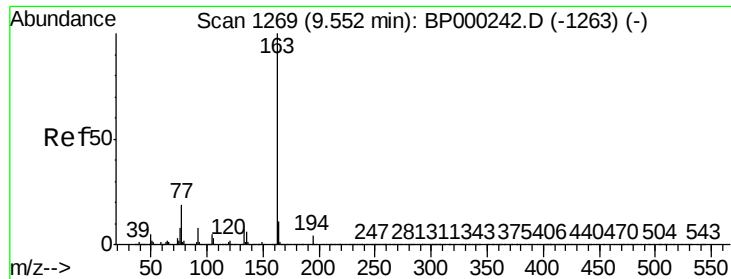
mohammad
9/27/2019 1:47:20 PM



#49
Acenaphthylene
Concen: 2.560 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.4	24.6
153	13.1	11.0	16.4





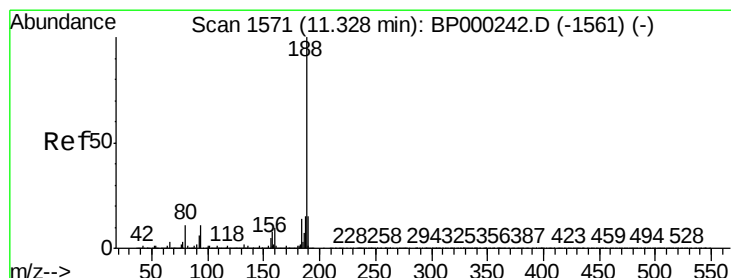
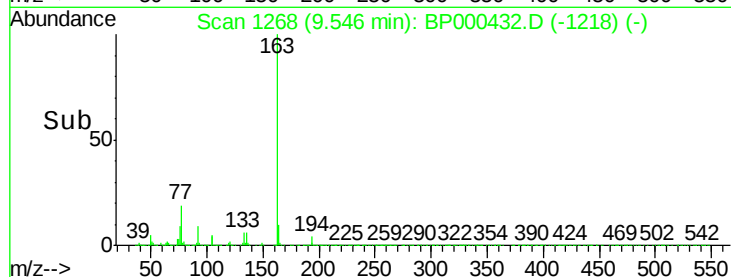
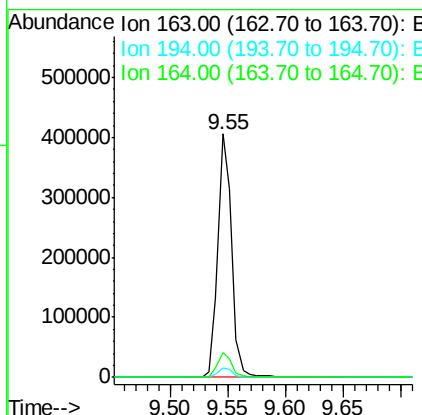
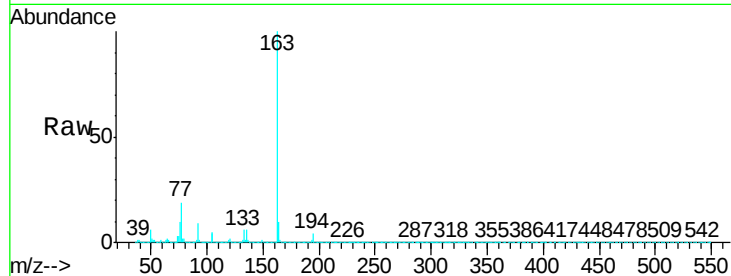
#50
Dimethylphthalate
Concen: 10.295 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampled :
TS-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	4.1	3.4	5.0
164	10.2	8.5	12.7

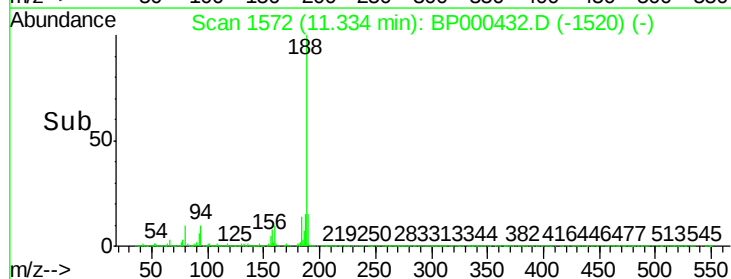
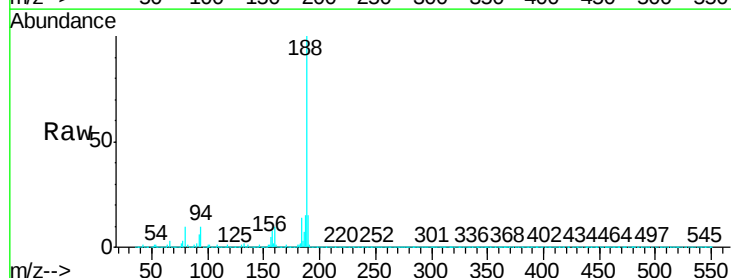
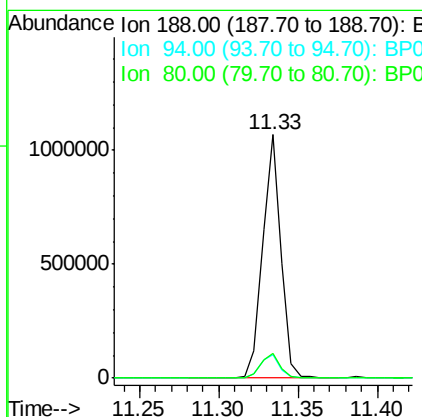
Manual Integrations
APPROVED

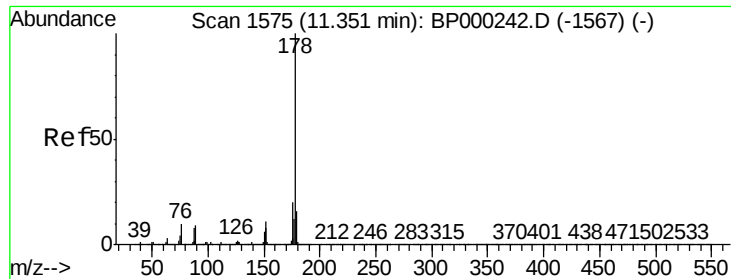
mohammad
9/27/2019 1:47:20 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	8.5	12.7
80	10.1	8.6	13.0





#71

Phenanthrene

Concen: 4.144 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

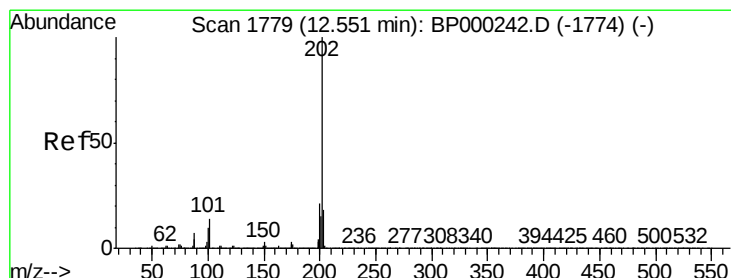
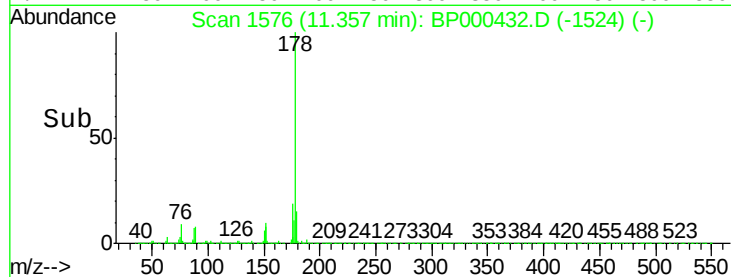
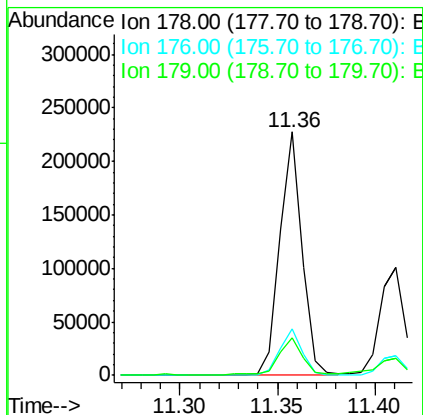
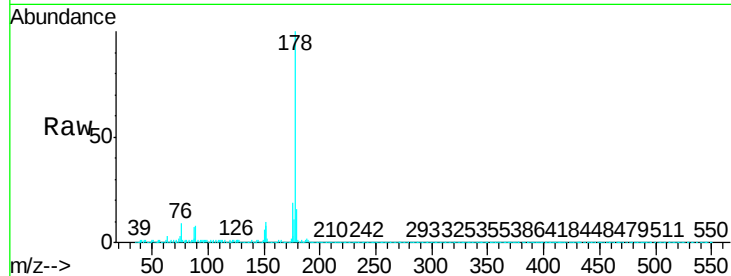
ClientSampled :

TS-2

Tgt Ion:	178	Resp:	178678
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.8
179	15.5	12.7	19.1

Manual Integrations
APPROVED

mohammad
9/27/2019 1:47:20 PM



#75

Fluoranthene

Concen: 9.775 ng

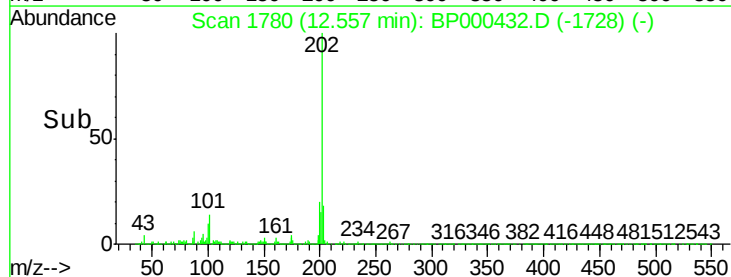
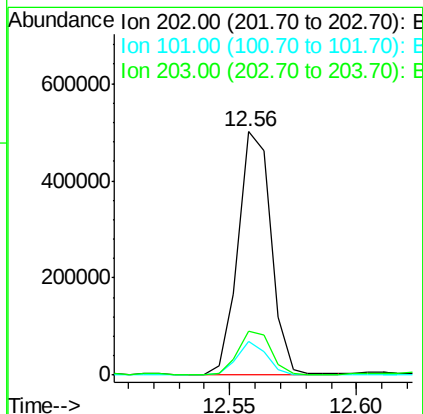
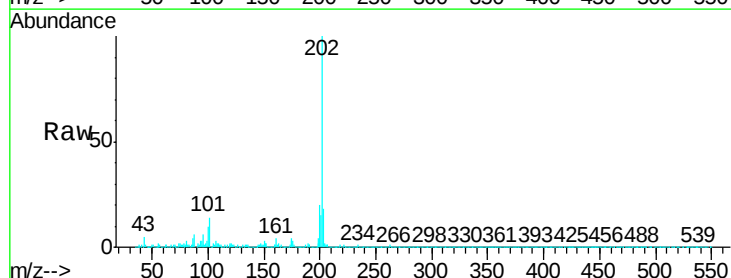
RT: 12.56 min Scan# 1780

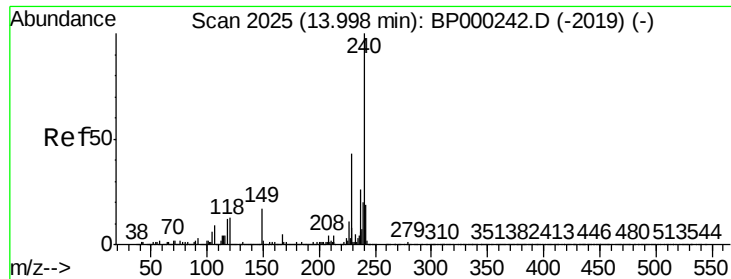
Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Tgt Ion:	202	Resp:	452620
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	33.9
203	18.2	0.0	38.0





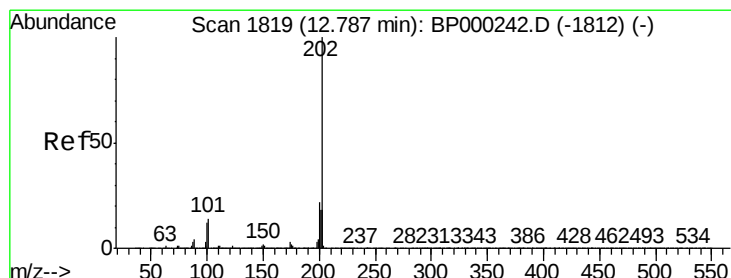
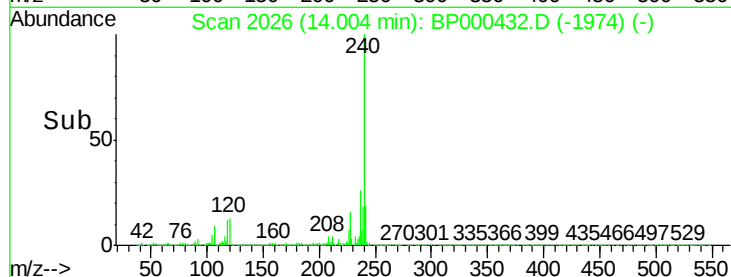
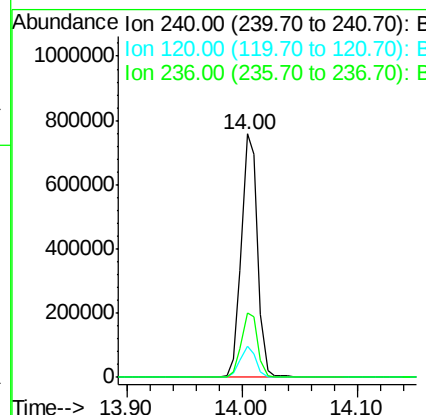
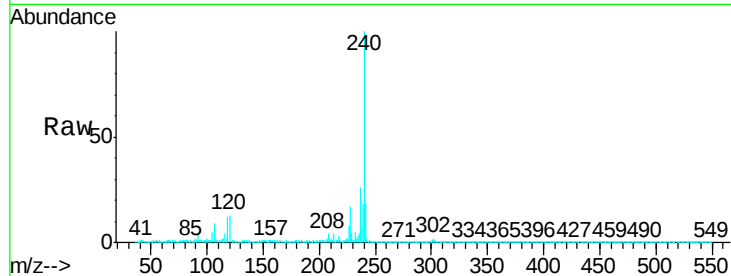
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampled :
TS-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.0	10.4	15.6
236	26.4	21.0	31.6

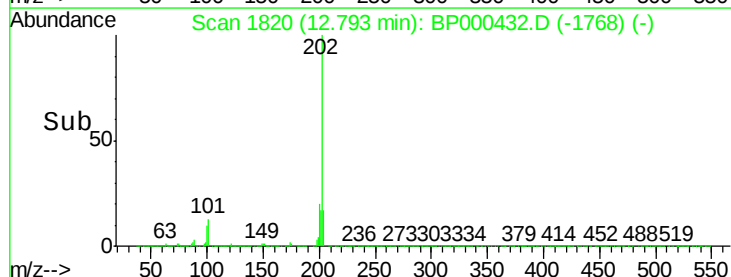
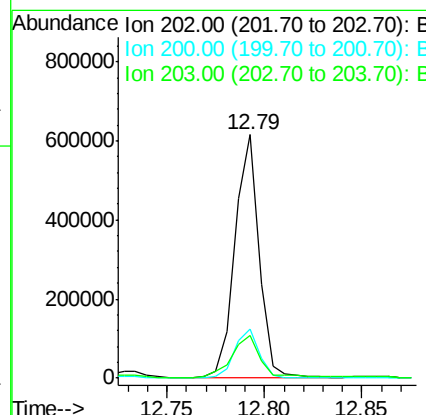
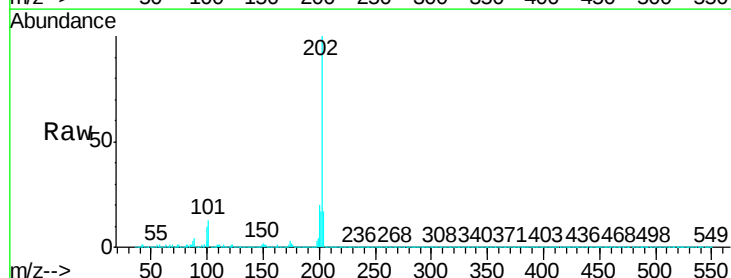
Manual Integrations
APPROVED

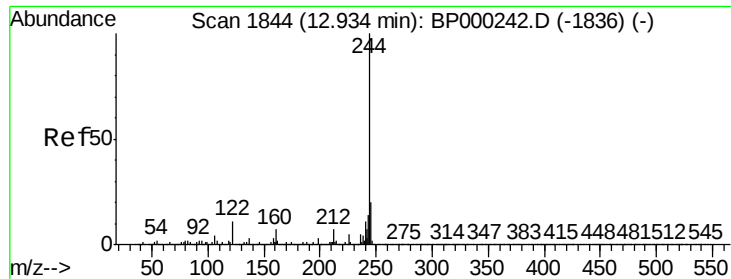
mohammad
9/27/2019 1:47:20 PM



#78
Pyrene
Concen: 9.576 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.4	17.5	26.3
203	17.4	14.3	21.5





#79

Terphenyl-d14

Concen: 75.097 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

ClientSampleId :

TS-2

Tgt Ion:244 Resp: 2627482

Ion Ratio Lower Upper

244 100

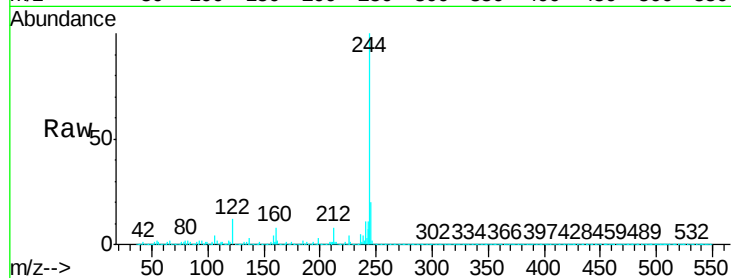
212 7.6 5.9 8.9

122 11.7 9.0 13.4

Manual Integrations
APPROVED

mohammad

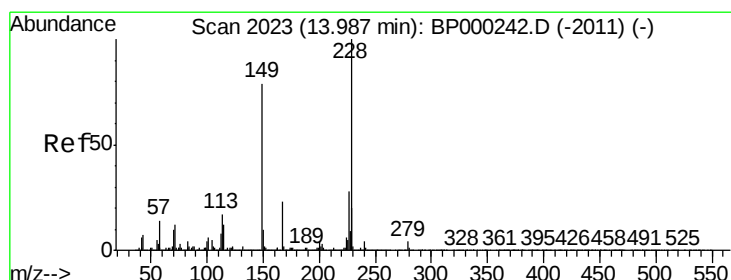
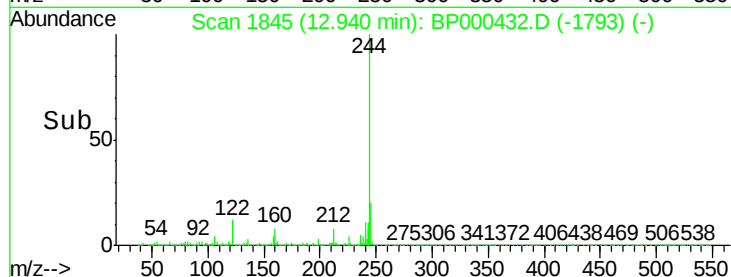
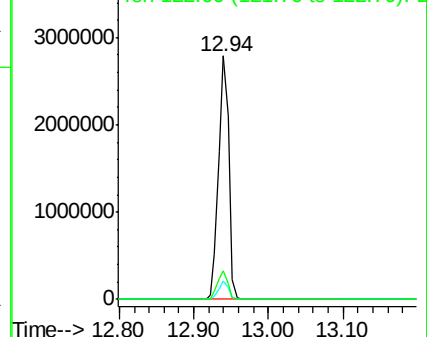
9/27/2019 1:47:20 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.127 ng m

RT: 14.00 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

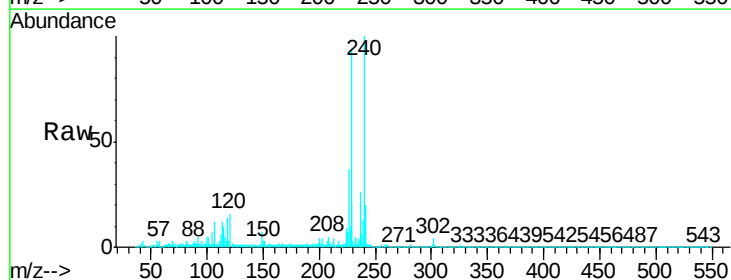
Tgt Ion:228 Resp: 330448

Ion Ratio Lower Upper

228 100

226 39.3 22.2 33.4#

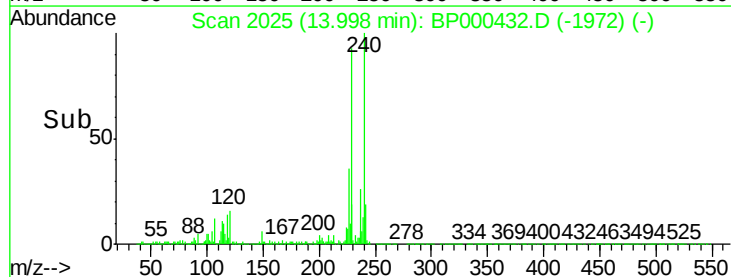
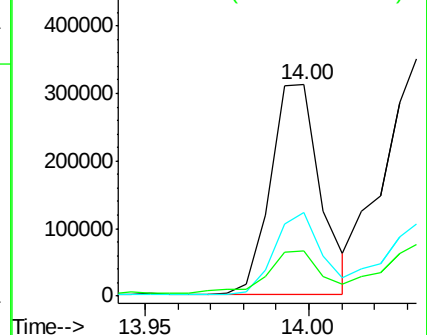
229 21.5 16.0 24.0

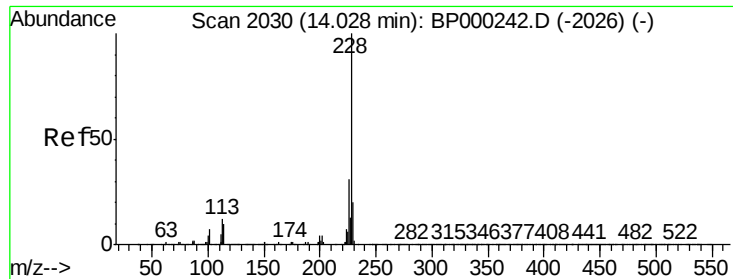


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





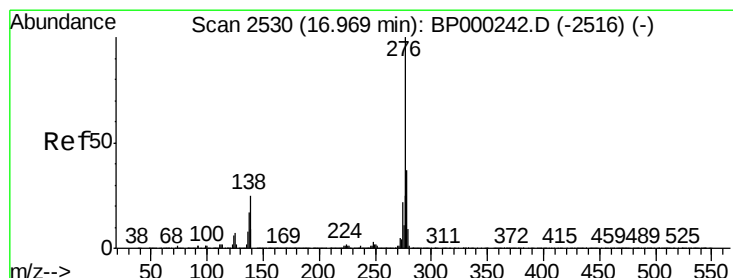
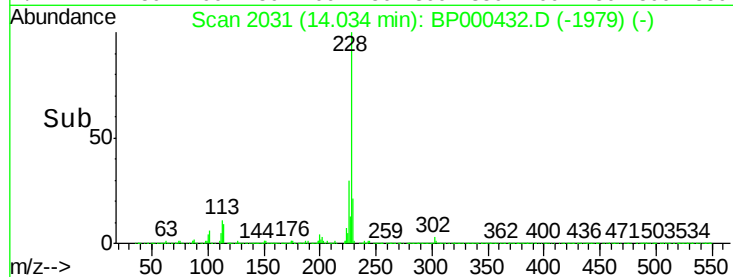
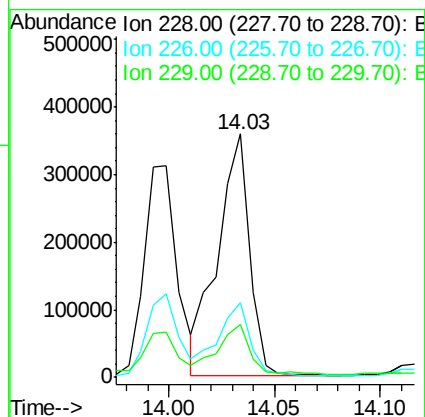
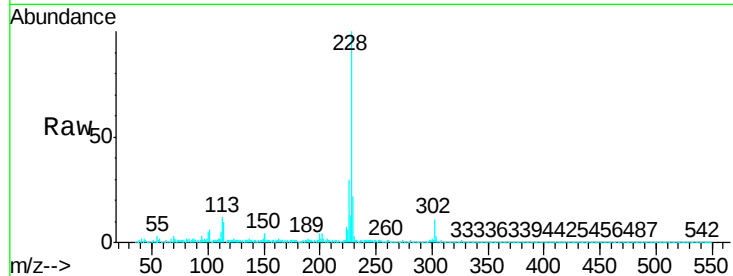
#83
Chrysene
Concen: 8.182 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampled :
TS-2

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	372491		
226	30.4	24.9	37.3	
229	21.5	16.2	24.2	

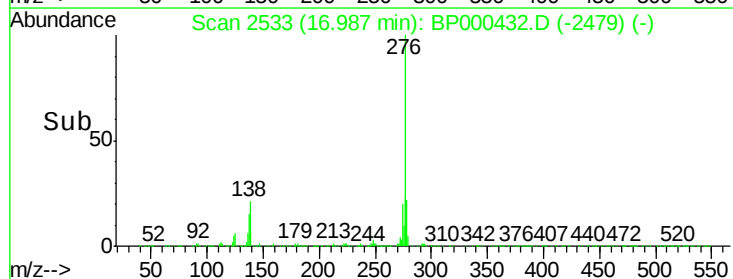
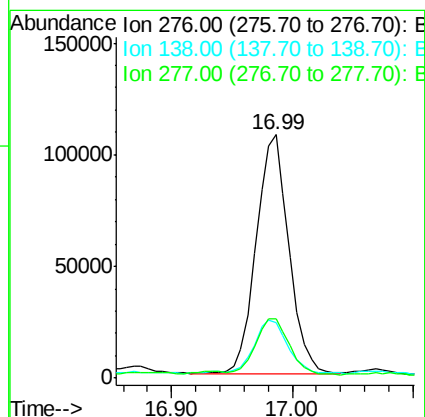
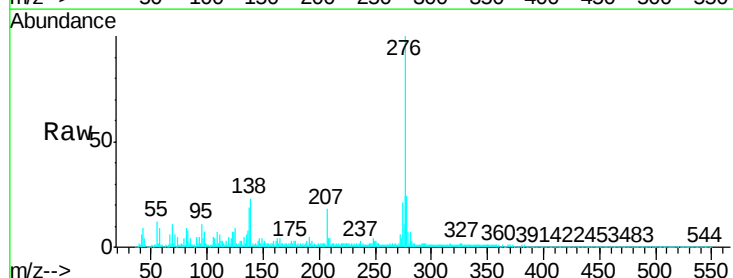
Manual Integrations
APPROVED

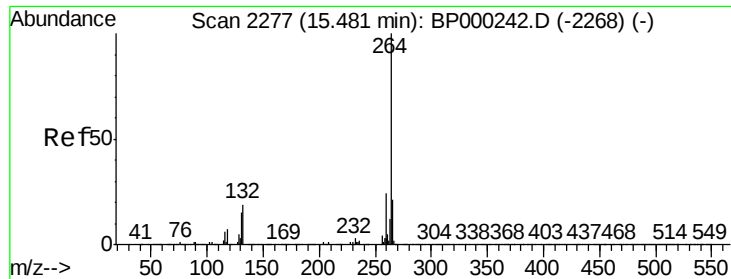
mohammad
9/27/2019 1:47:20 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.618 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.02 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	200776		
138	23.6	22.6	33.8	
277	24.1	20.4	30.6	





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Instrument :

BNA_P

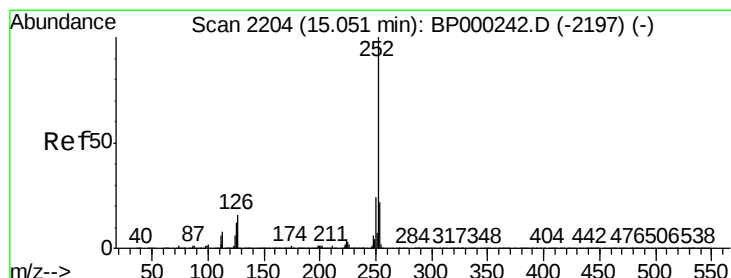
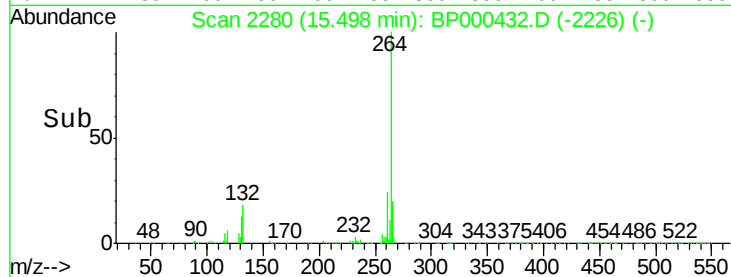
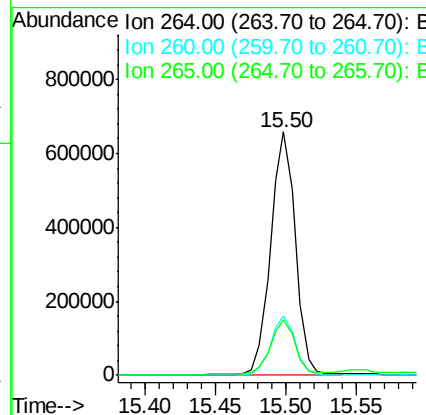
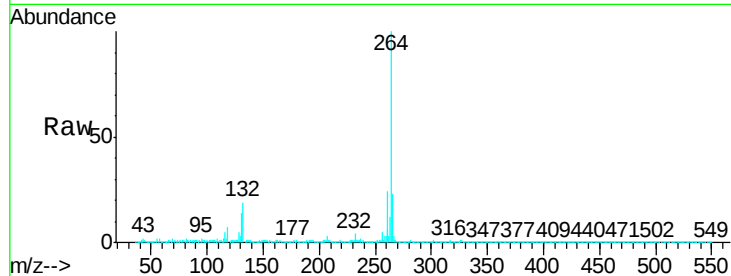
ClientSampleId :

TS-2

Tgt Ion:	264	Resp:	810026
Ion Ratio		Lower	Upper
264	100		
260	24.3	18.9	28.3
265	22.6	17.2	25.8

Manual Integrations
APPROVED

mohammad
9/27/2019 1:47:20 PM



#88

Benzo(b)fluoranthene

Concen: 11.206 ng m

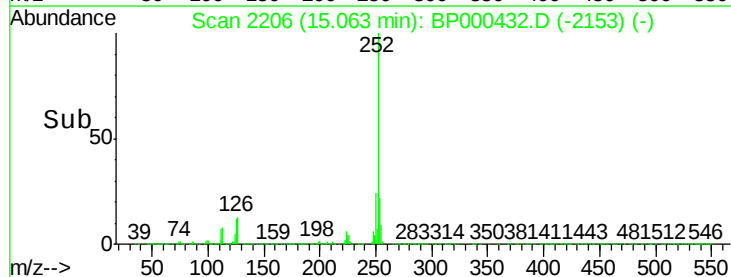
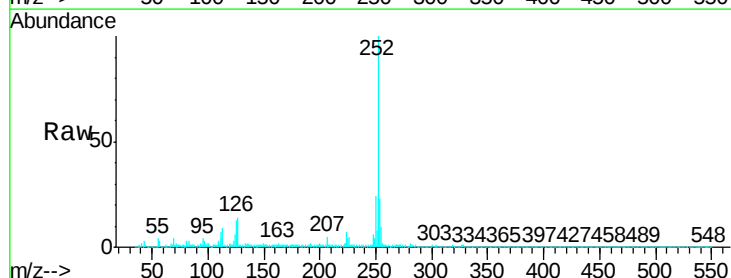
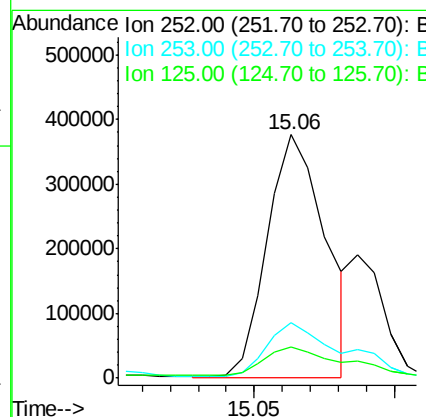
RT: 15.06 min Scan# 2206

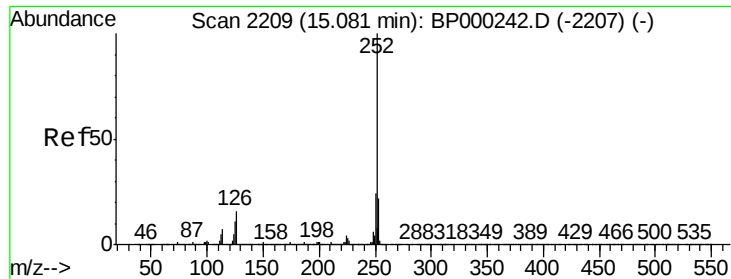
Delta R.T. 0.01 min

Lab File: BP000432.D

Acq: 26 Sep 2019 19:11

Tgt Ion:	252	Resp:	541515
Ion Ratio		Lower	Upper
252	100		
253	22.8	17.8	26.6
125	13.0	9.5	14.3





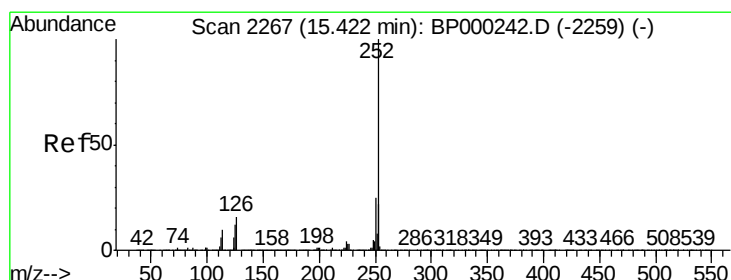
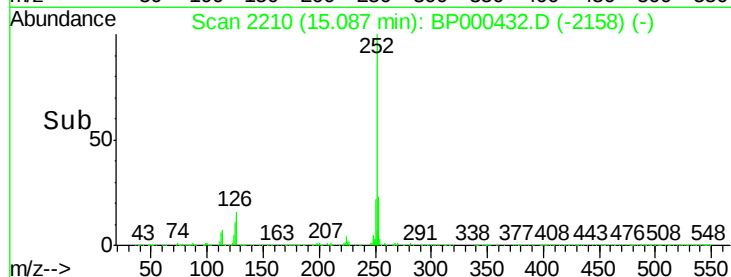
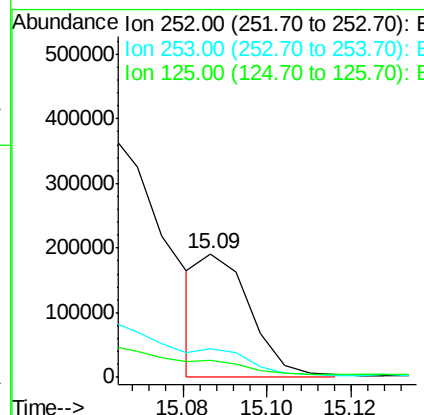
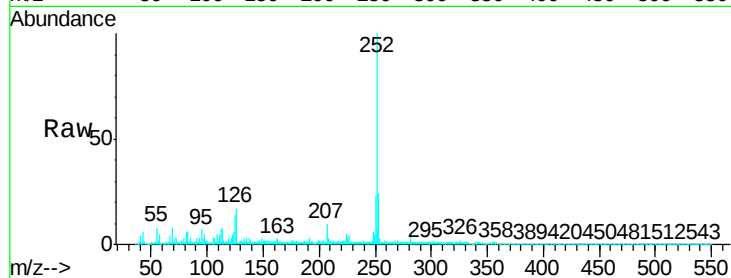
#89
Benzo(k)fluoranthene
Concen: 3.779 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Instrument :
BNA_P
ClientSampled :
TS-2

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	159292		
253	23.6	17.8	26.8	
125	13.6	9.6	14.4	

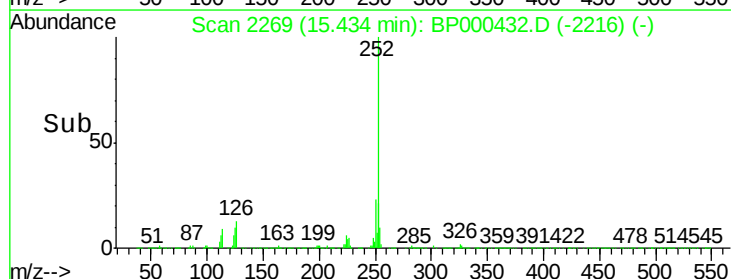
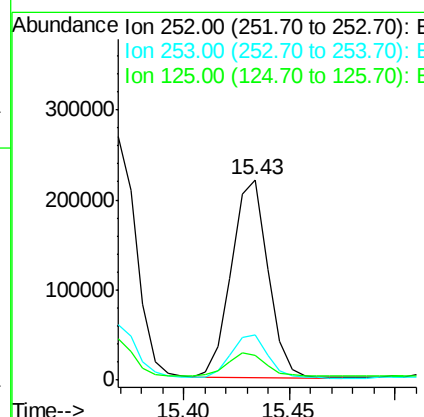
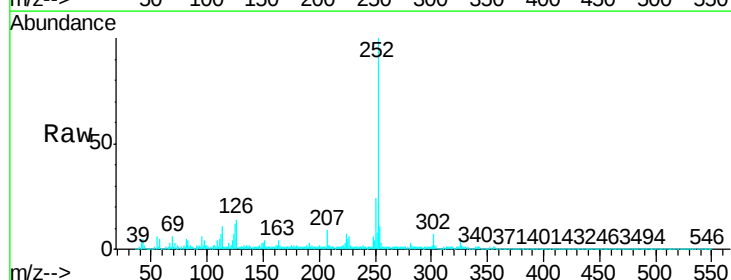
Manual Integrations
APPROVED

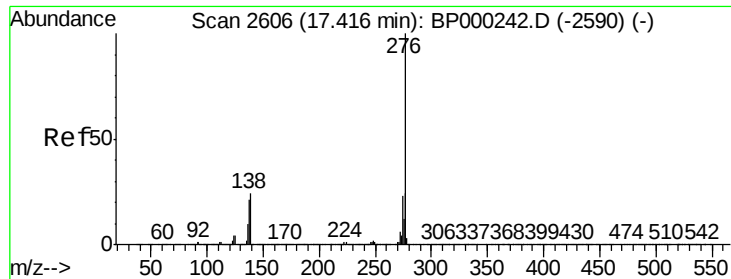
mohammad
9/27/2019 1:47:20 PM



#90
Benzo(a)pyrene
Concen: 6.011 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BP000432.D
Acq: 26 Sep 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	264314		
253	22.4	17.7	26.5	
125	12.1	10.0	15.0	





#92
 Benzo(g,h,i)perylene
 Concen: 4.619 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. 0.02 min
 Lab File: BP000432.D
 Acq: 26 Sep 2019 19:11

Instrument :
 BNA_P
 ClientSampleId :
 TS-2

Tgt Ion:	276	Resp:	194655
Ion Ratio		Lower	Upper
276	100		
277	24.4	19.1	28.7
138	23.9	19.5	29.3

Manual Integrations
 APPROVED

mohammad
 9/27/2019 1:47:20 PM

