

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092619\
 Data File : BP000431.D
 Acq On : 26 Sep 2019 18:47
 Operator : JU
 Sample : K5038-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TS-1

Manual Integrations
 APPROVED

mohammad
 9/27/2019 1:47:16 PM

Quant Time: Oct 09 05:45:50 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	228046	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	612690	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	216218	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	404105	20.00	ng	0.00
76) Chrysene-d12	14.01	240	543916	20.00	ng	0.01
87) Perylene-d12	15.50	264	683047	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1285958	97.35	ng	0.02
7) Phenol-d6	6.44	99	1623909	100.29	ng	0.02
23) Nitrobenzene-d5	7.35	82	877767	92.43	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	281644	131.33	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1023754	85.22	ng	0.00
79) Terphenyl-d14	12.94	244	1309676	50.51	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	63406	3.447	ng	80
49) Acenaphthylene	9.69	152	103478	5.486	ng	100
50) Dimethylphthalate	9.55	163	177611	12.057	ng	100
58) Fluorene	10.39	166	27759	2.136	ng	97
71) Phenanthrene	11.36	178	471133	23.265	ng	99
72) Anthracene	11.41	178	190512	9.140	ng	99
75) Fluoranthene	12.56	202	1113035	51.186	ng	95
78) Pyrene	12.80	202	1089197	26.766	ng	99
81) Benzo(a)anthracene	14.00	228	1030938	30.006	ng	95
83) Chrysene	14.03	228	922167	27.336	ng	97
86) Indeno(1,2,3-cd)pyrene	17.00	276	405914	9.872	ng	# 88
88) Benzo(b)fluoranthene	15.07	252	1526726m	37.467	ng	
89) Benzo(k)fluoranthene	15.09	252	467909m	13.164	ng	
90) Benzo(a)pyrene	15.44	252	897266	24.200	ng	97
91) Dibenzo(a,h)anthracene	17.00	278	107434	3.108	ng	93
92) Benzo(g,h,i)perylene	17.45	276	368288	10.365	ng	# 92

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

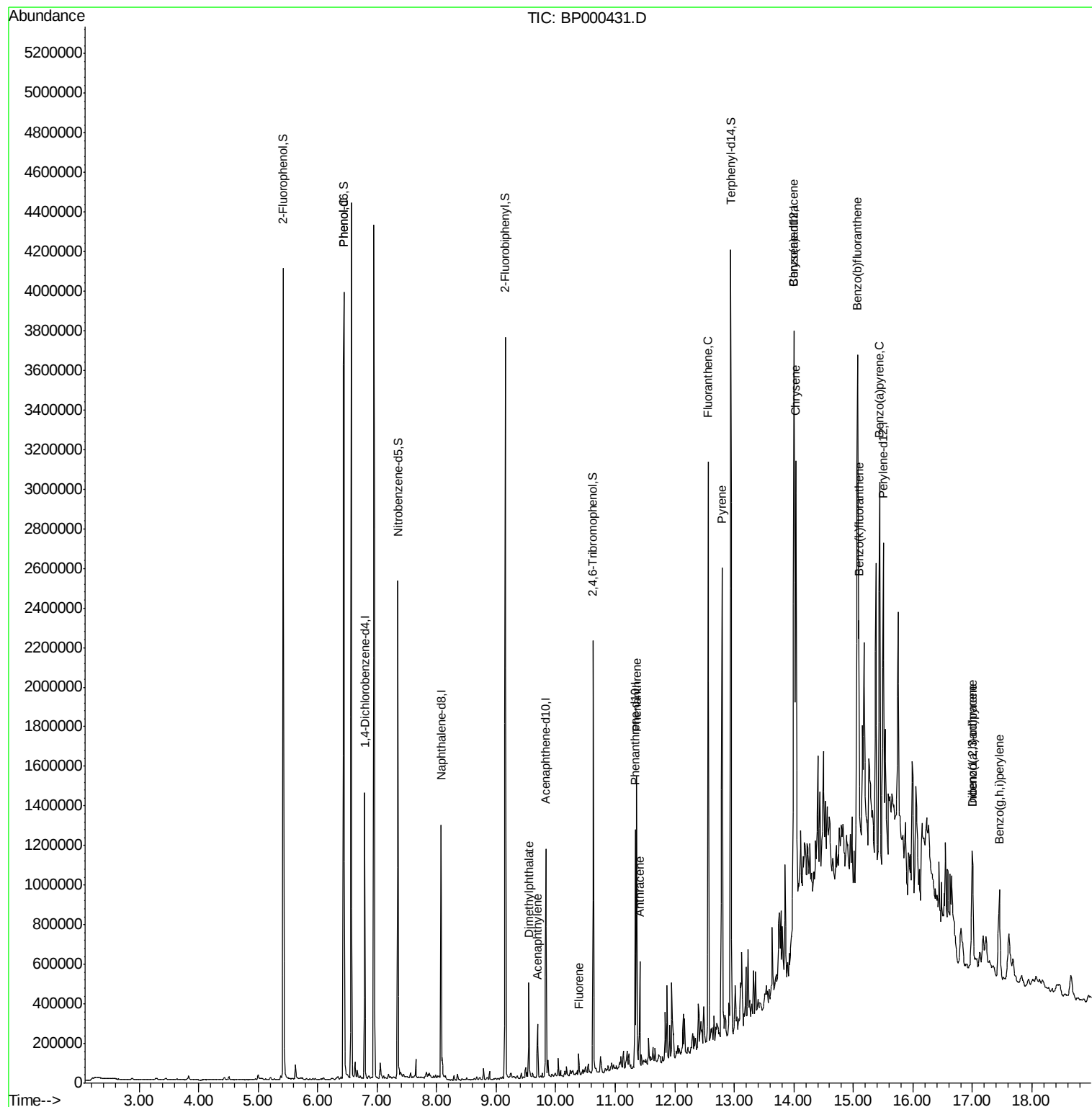
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092619\
Data File : BP000431.D
Acq On : 26 Sep 2019 18:47
Operator : JU
Sample : K5038-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

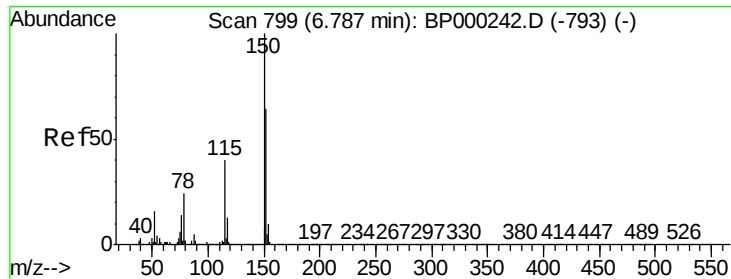
Instrument :
BNA_P
ClientSampled :
TS-1

Manual Integrations
APPROVED

mohammad
9/27/2019 1:47:16 PM

Quant Time: Oct 09 05:45:50 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

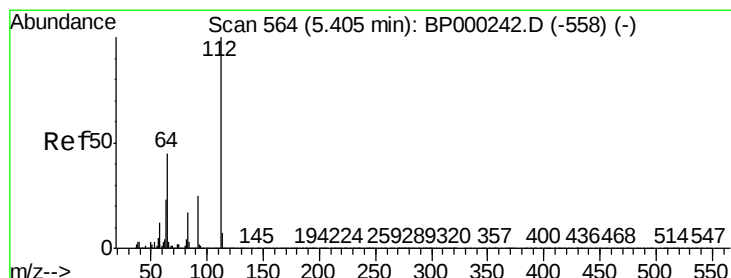
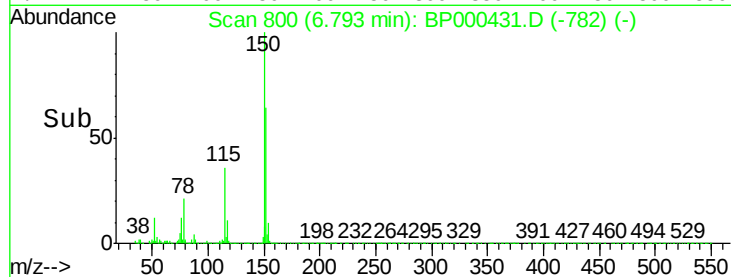
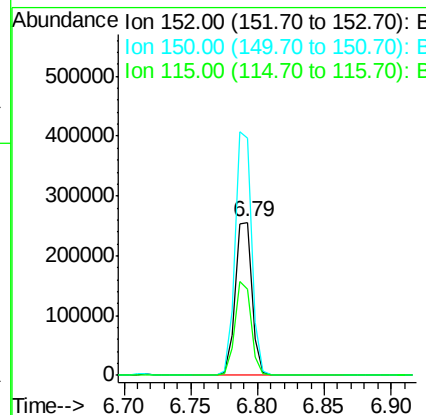
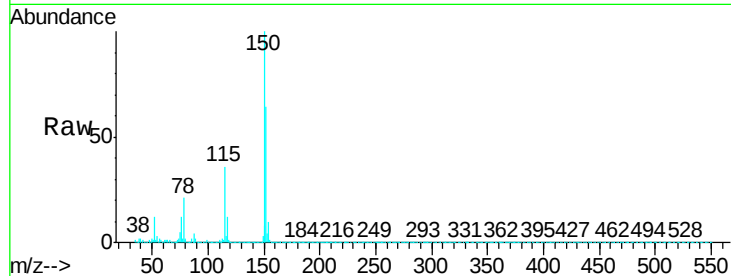
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Instrument :
BNA_P
ClientSampled :
TS-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.2	187.8
115	56.5	49.7	74.5

Manual Integrations
APPROVED

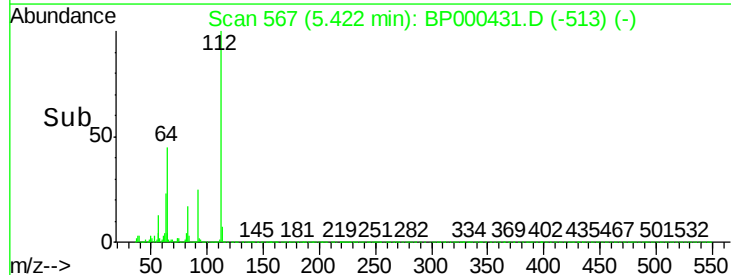
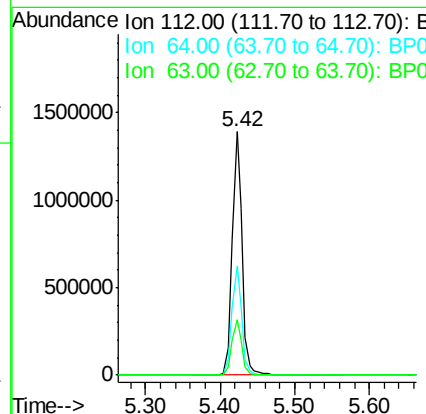
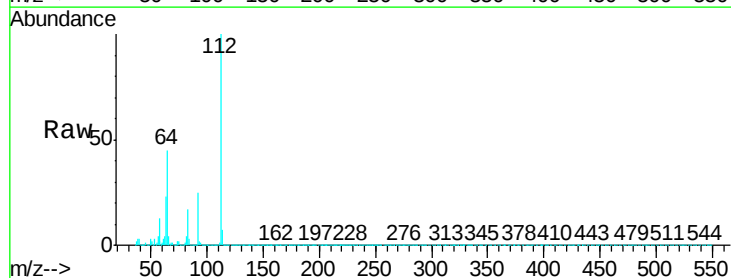
mohammad
9/27/2019 1:47:16 PM

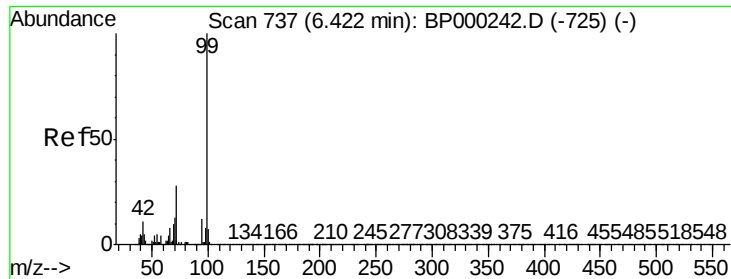


#5

2-Fluorophenol
Concen: 97.349 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.7	36.2	54.4
63	22.9	18.3	27.5





#7

Phenol-d6

Concen: 100.289 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.02 min

Lab File: BP000431.D

Acq: 26 Sep 2019 18:47

Instrument :

BNA_P

ClientSampleId :

TS-1

Tgt Ion: 99 Resp: 1623909

Ion Ratio Lower Upper

99 100

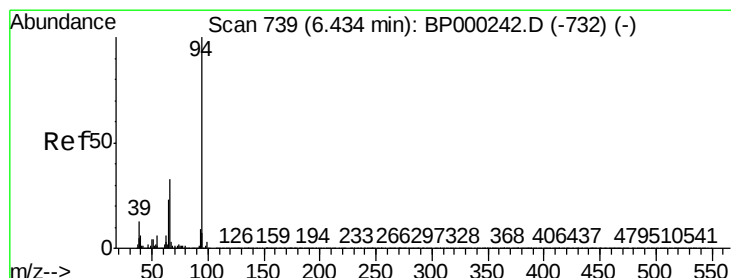
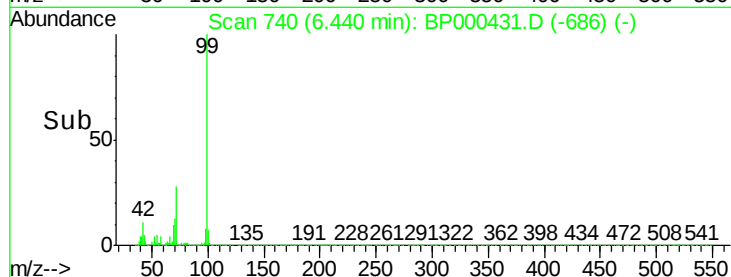
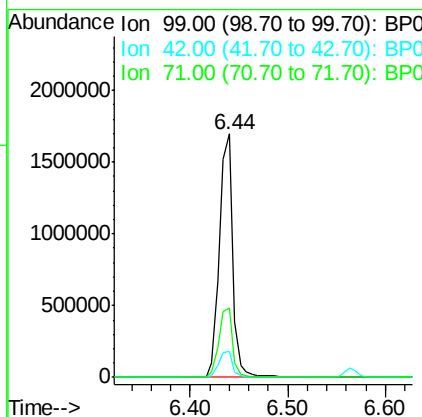
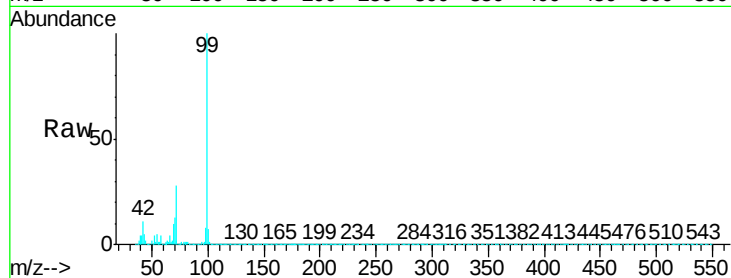
42 10.5 8.5 12.7

71 28.4 22.6 34.0

Manual Integrations
APPROVED

mohammad

9/27/2019 1:47:16 PM



#10

Phenol

Concen: 3.447 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BP000431.D

Acq: 26 Sep 2019 18:47

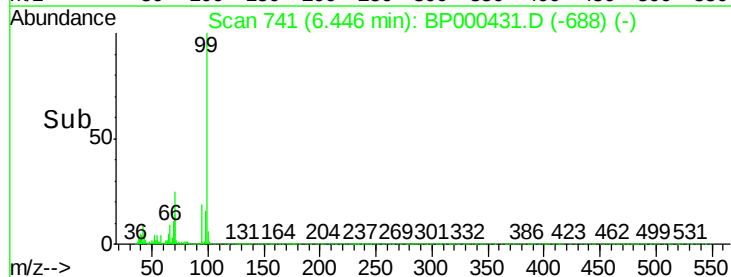
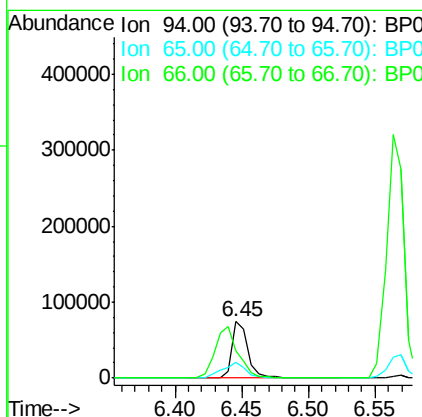
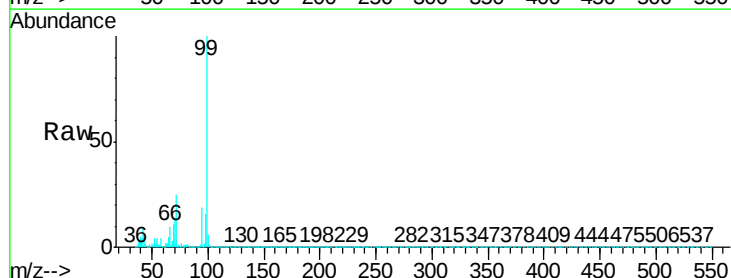
Tgt Ion: 94 Resp: 63406

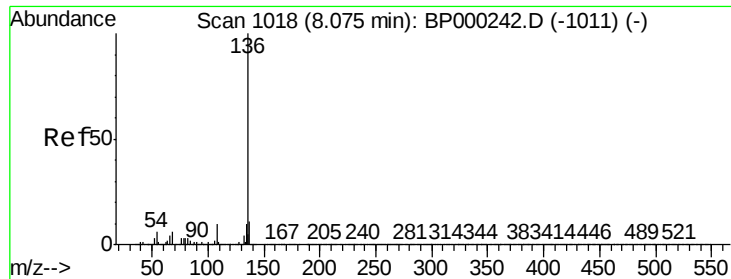
Ion Ratio Lower Upper

94 100

65 27.1 3.3 43.3

66 49.2 12.7 52.7





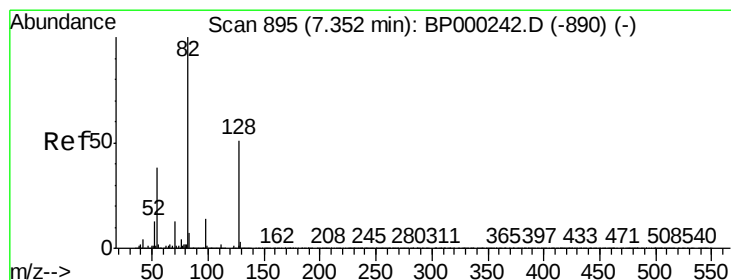
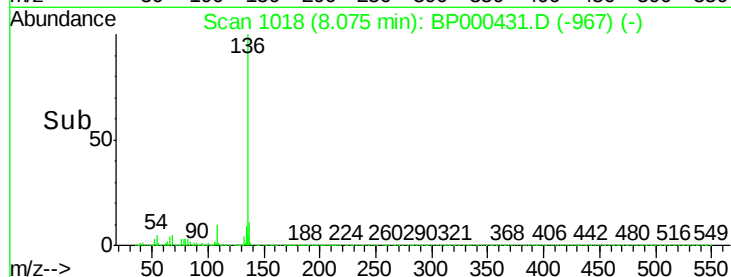
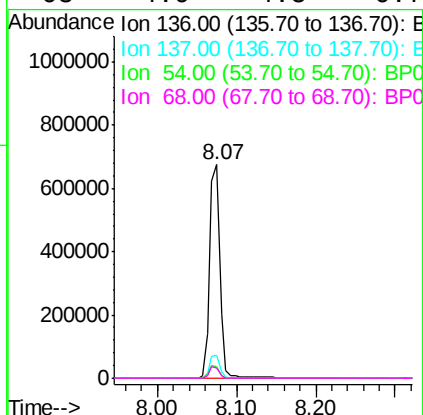
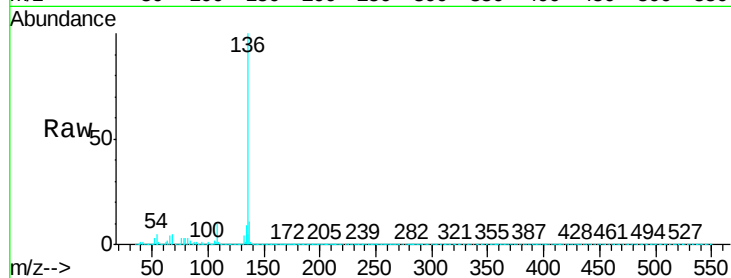
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Instrument :
BNA_P
ClientSampled :
TS-1

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	612690		
137	11.0	8.6	13.0	
54	5.2	4.5	6.7	
68	4.9	4.5	6.7	

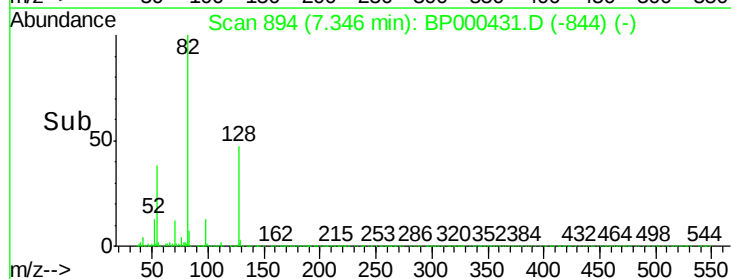
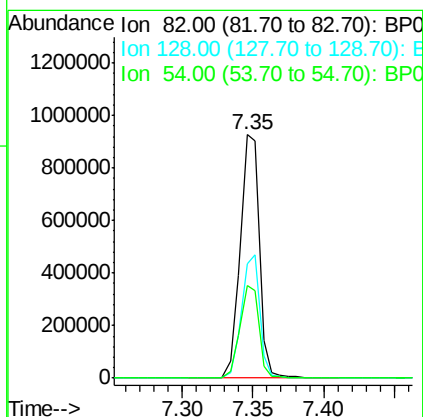
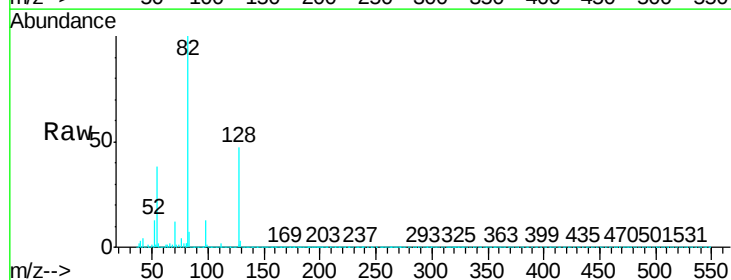
Manual Integrations
APPROVED

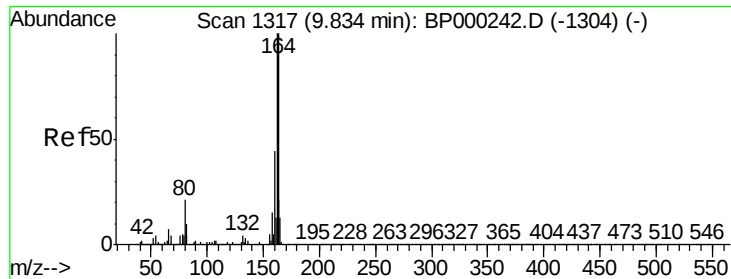
mohammad
9/27/2019 1:47:16 PM



#23
Nitrobenzene-d5
Concen: 92.434 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	877767		
128	47.0	40.7	61.1	
54	38.1	30.1	45.1	





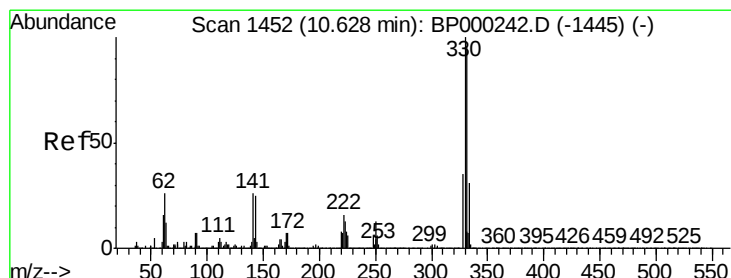
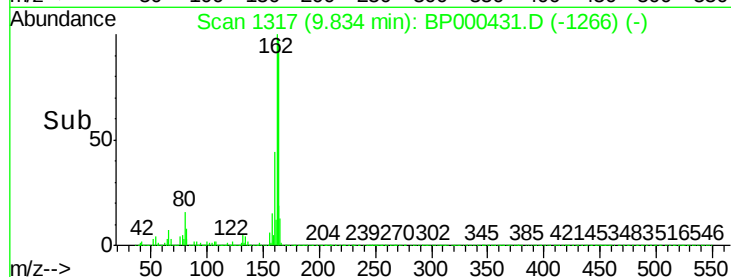
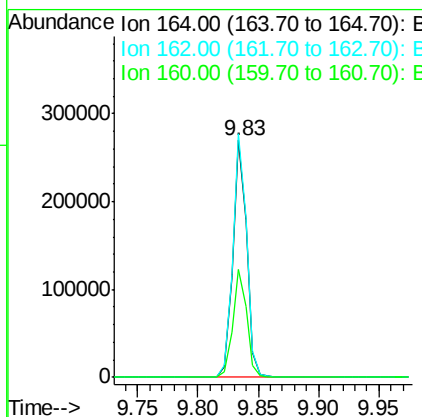
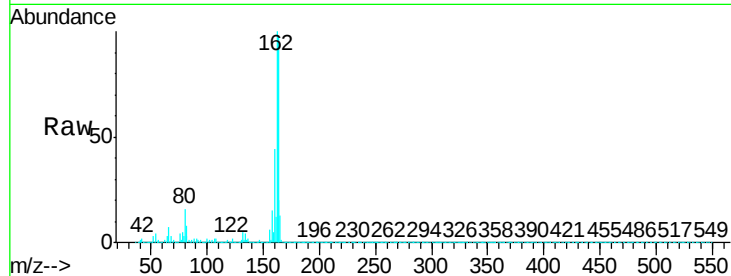
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Instrument :
BNA_P
ClientSampleId :
TS-1

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	216218		
162	102.7	79.9	119.9	
160	45.4	35.6	53.4	

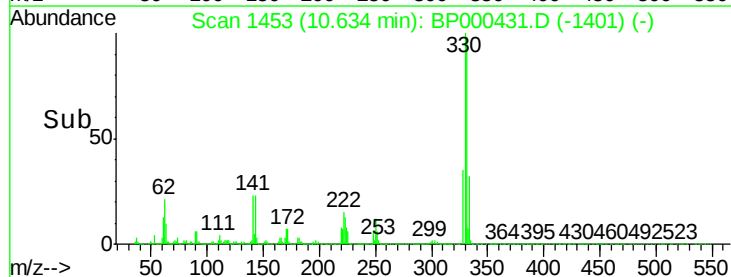
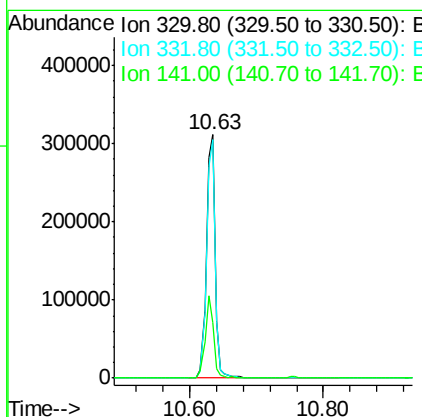
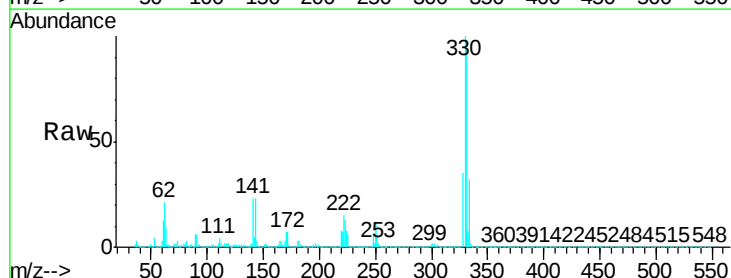
Manual Integrations
APPROVED

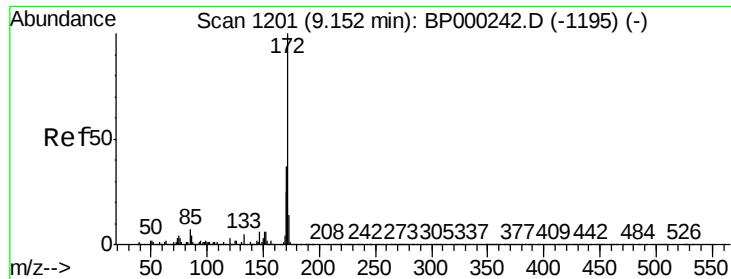
mohammad
9/27/2019 1:47:16 PM



#42
2,4,6-Tribromophenol
Concen: 131.328 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	281644		
332	96.9	76.6	115.0	
141	31.5	26.5	39.7	





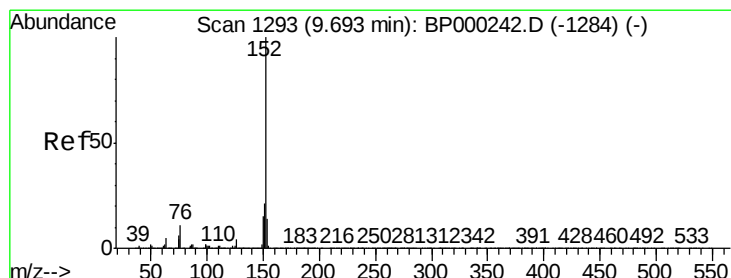
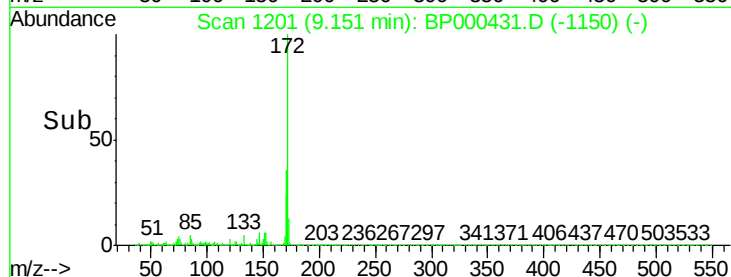
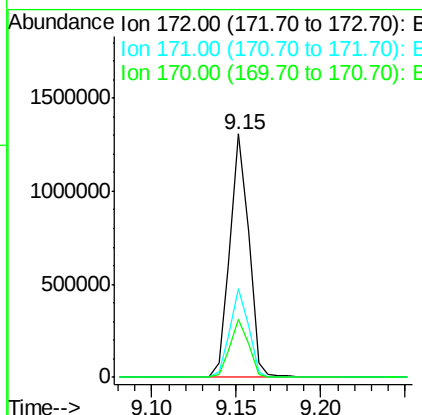
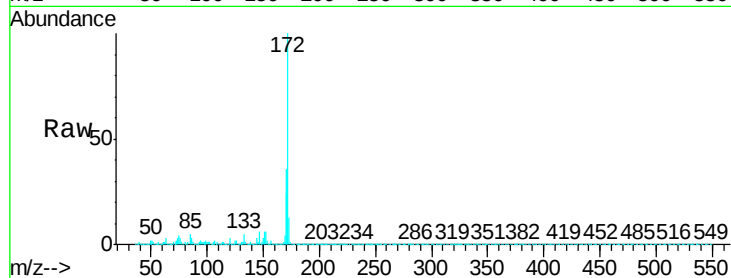
#45
2-Fluorobiphenyl
Concen: 85.218 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Instrument :
BNA_P
ClientSampleId :
TS-1

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.6
170	23.8	19.8	29.6

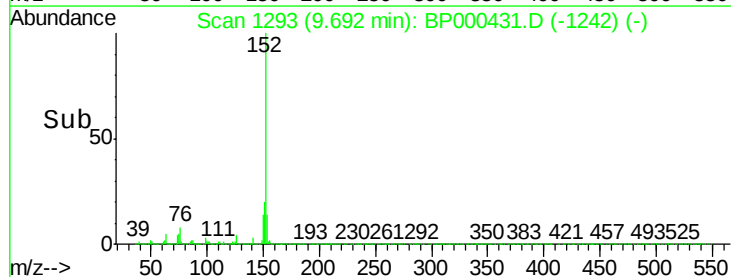
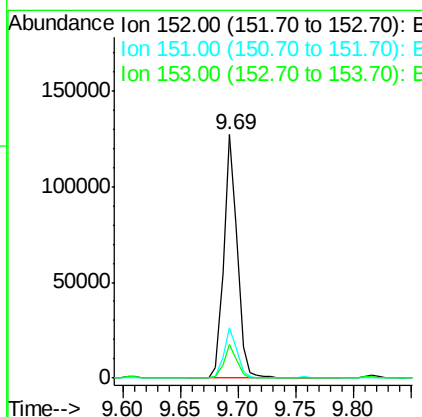
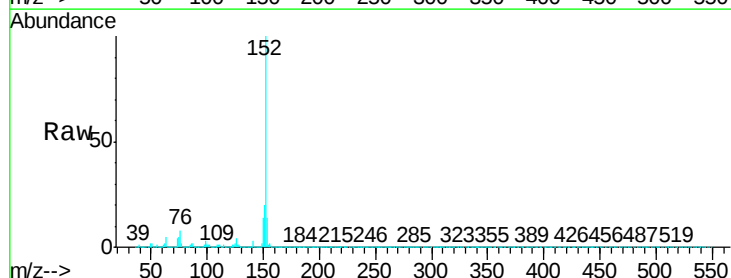
Manual Integrations
APPROVED

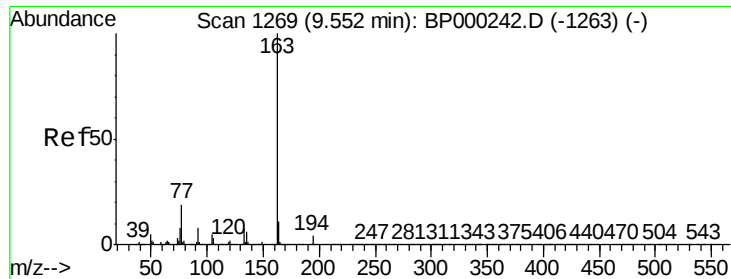
mohammad
9/27/2019 1:47:16 PM



#49
Acenaphthylene
Concen: 5.486 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	13.6	11.0	16.4





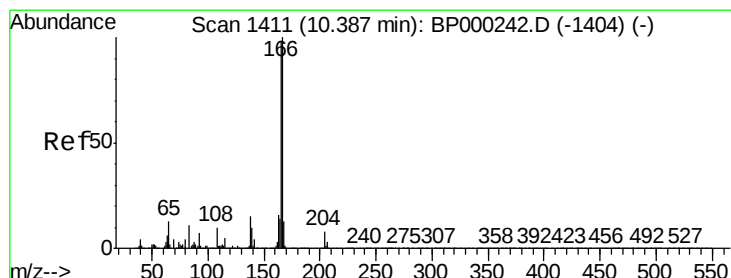
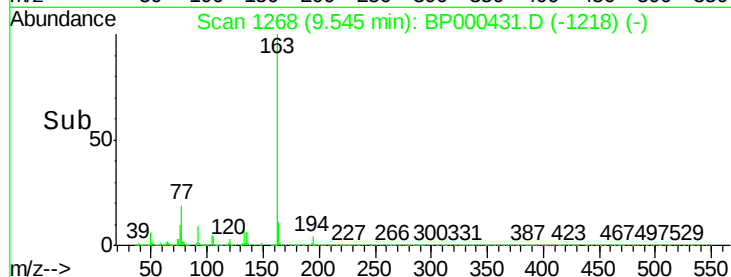
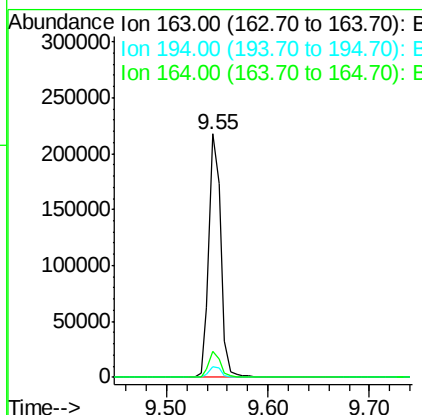
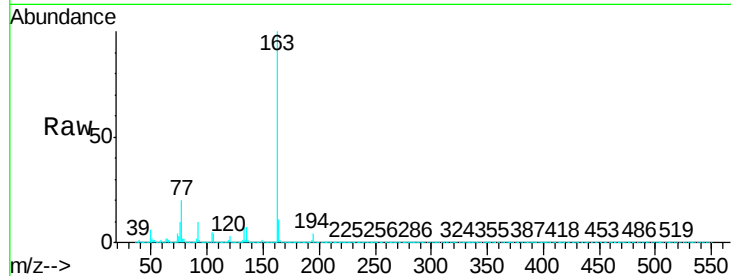
#50
Dimethylphthalate
Concen: 12.057 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Instrument :
BNA_P
ClientSampled :
TS-1

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	177611		
194	4.2	3.4	5.0	
164	10.6	8.5	12.7	

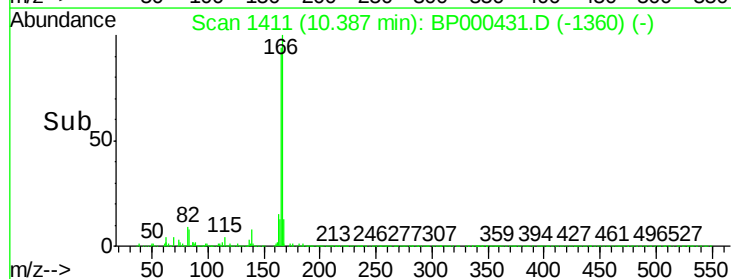
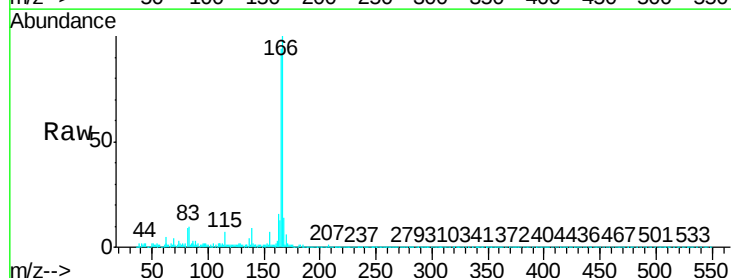
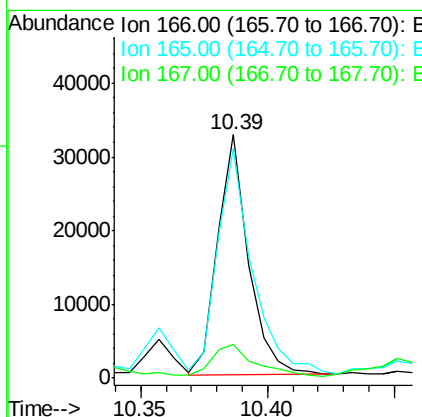
Manual Integrations
APPROVED

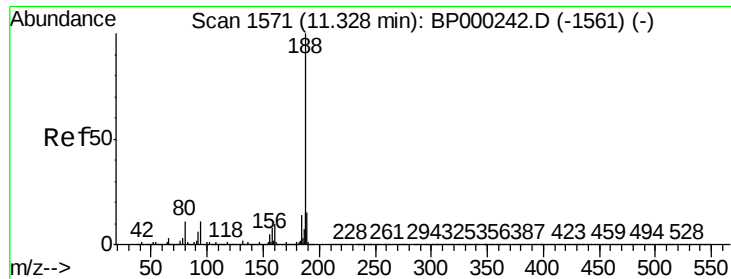
mohammad
9/27/2019 1:47:16 PM



#58
Fluorene
Concen: 2.136 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	27759		
165	94.3	78.2	117.2	
167	13.6	10.7	16.1	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BP000431.D

Acq: 26 Sep 2019 18:47

Instrument :

BNA_P

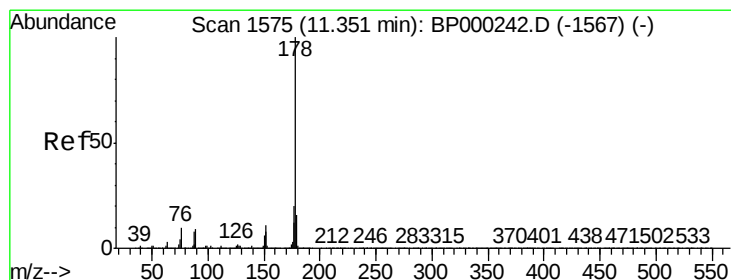
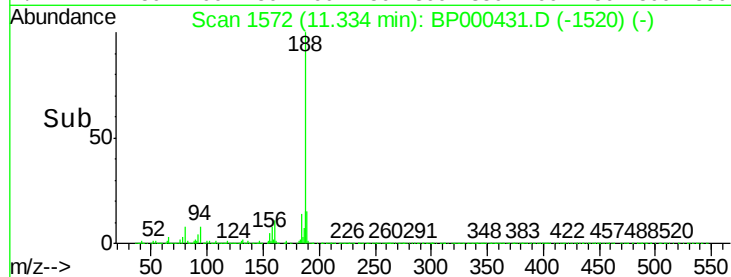
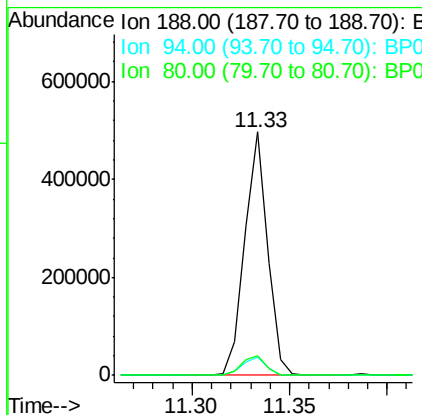
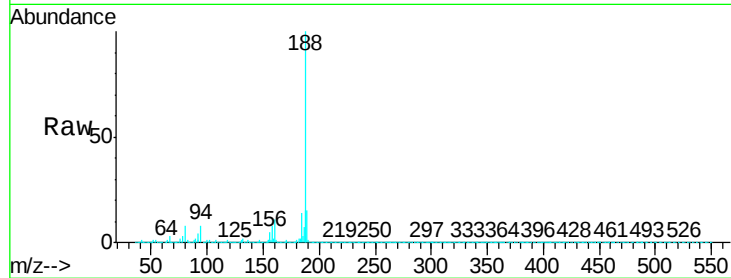
ClientSampleId :

TS-1

Tgt Ion:	188	Resp:	404105
Ion Ratio	Lower	Upper	
188	100		
94	7.6	8.5	12.7#
80	8.2	8.6	13.0#

Manual Integrations
APPROVED

mohammad
9/27/2019 1:47:16 PM



#71

Phenanthrene

Concen: 23.265 ng

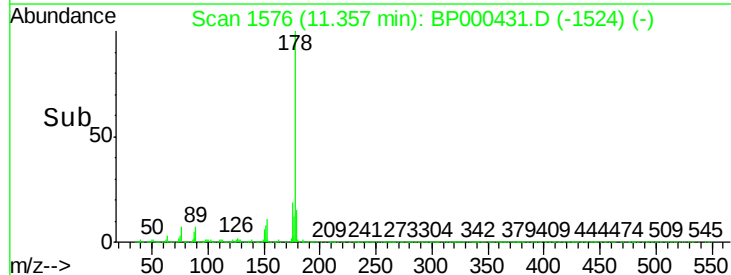
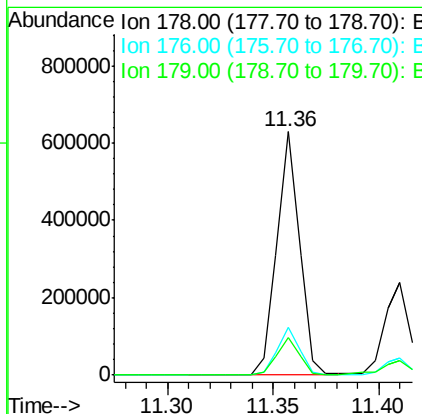
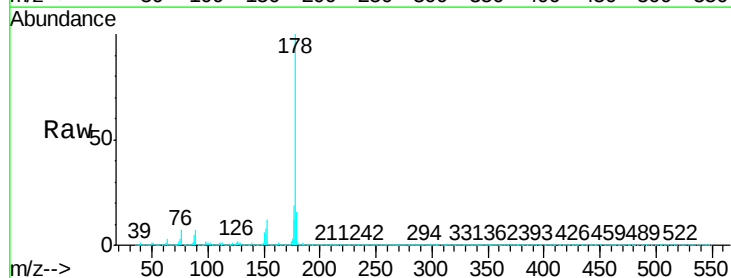
RT: 11.36 min Scan# 1576

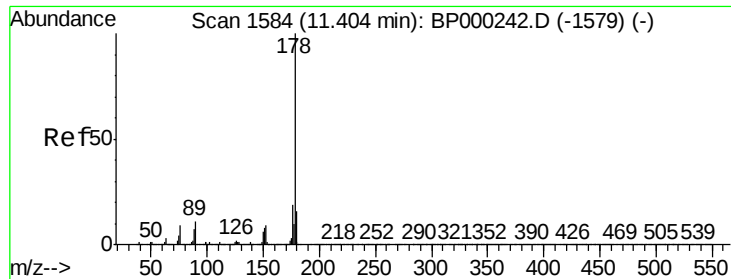
Delta R.T. 0.01 min

Lab File: BP000431.D

Acq: 26 Sep 2019 18:47

Tgt Ion:	178	Resp:	471133
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	15.7	12.7	19.1





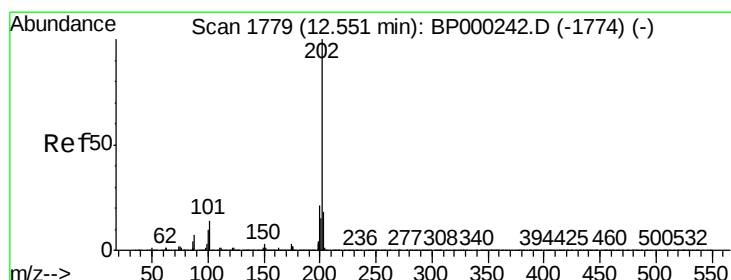
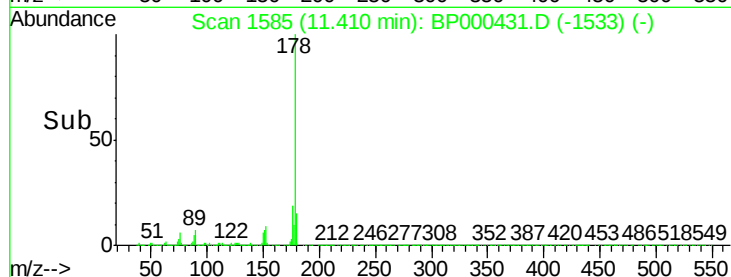
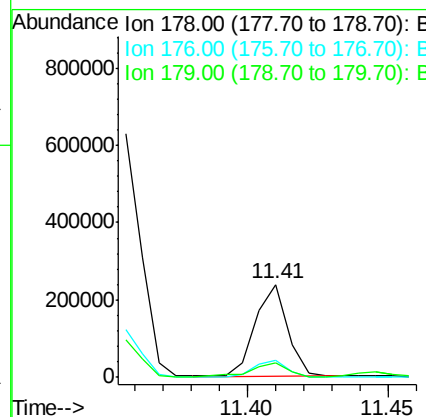
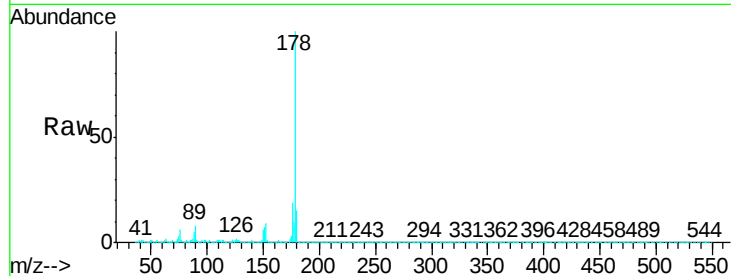
#72
 Anthracene
 Concen: 9.140 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: BP000431.D
 Acq: 26 Sep 2019 18:47

Instrument :
 BNA_P
 ClientSampleId :
 TS-1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.2	12.7	19.1

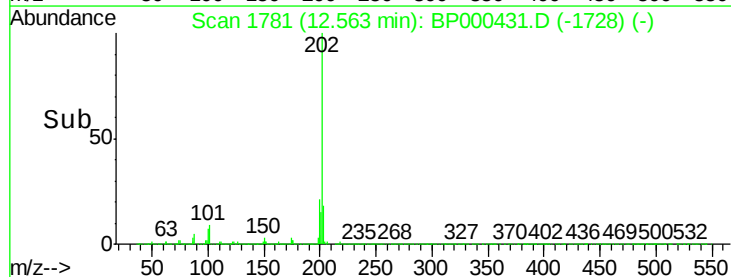
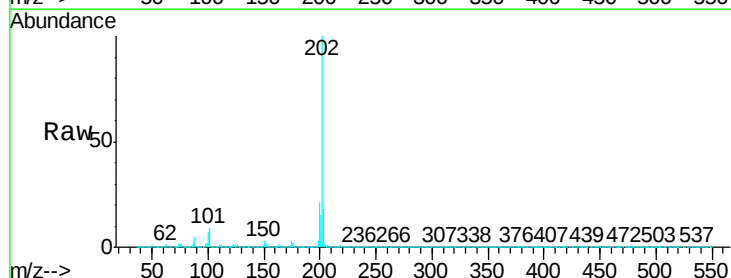
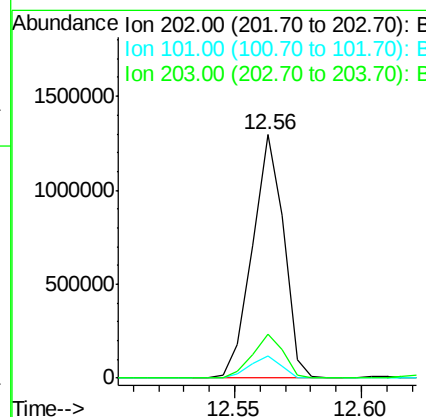
Manual Integrations
 APPROVED

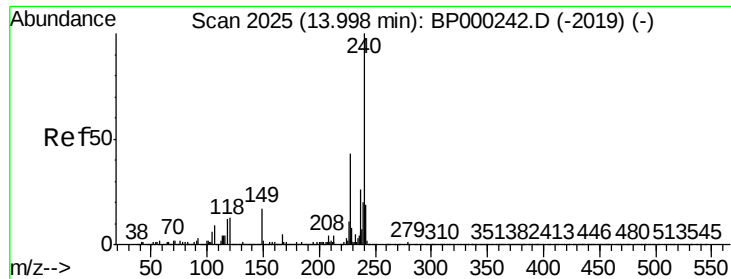
mohammad
 9/27/2019 1:47:16 PM



#75
 Fluoranthene
 Concen: 51.186 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. 0.01 min
 Lab File: BP000431.D
 Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	33.9
203	18.1	0.0	38.0





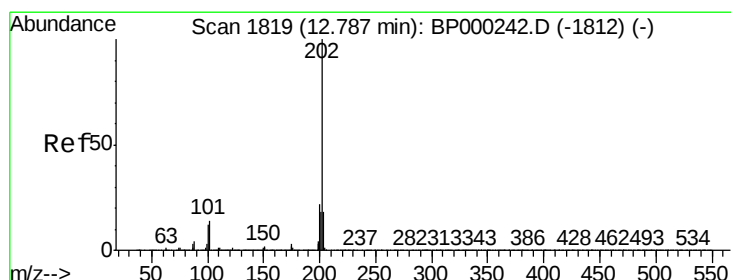
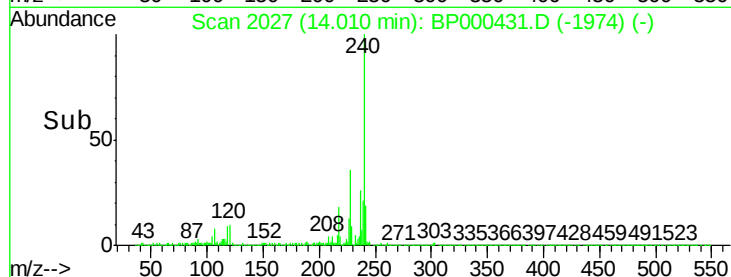
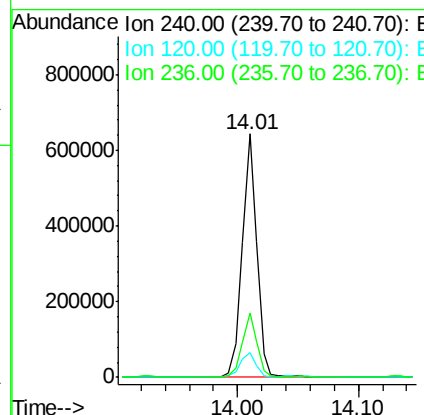
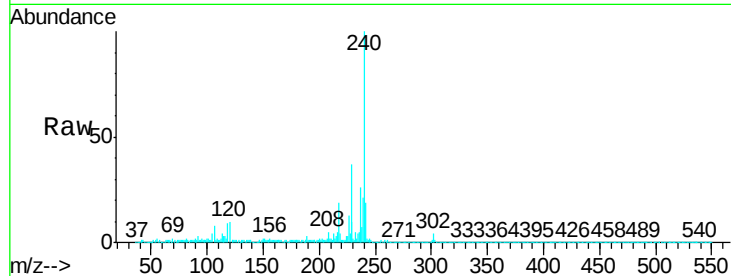
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Instrument :
BNA_P
ClientSampleId :
TS-1

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	543916		
120	10.2	10.4	15.6#	
236	26.3	21.0	31.6	

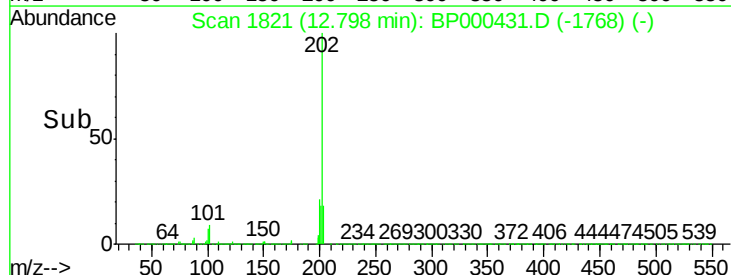
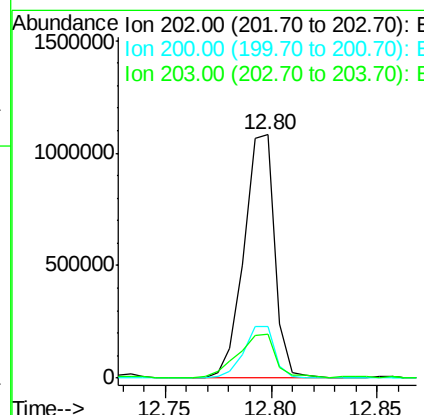
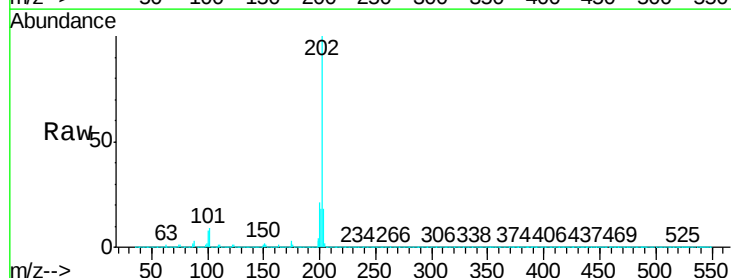
Manual Integrations
APPROVED

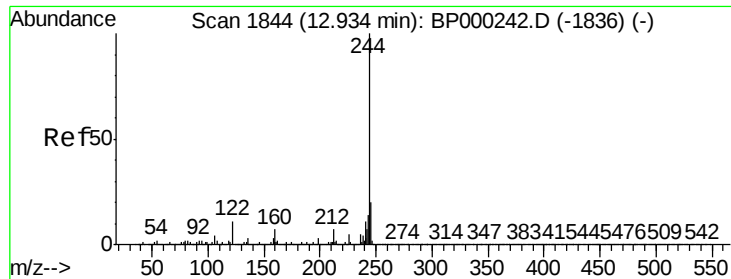
mohammad
9/27/2019 1:47:16 PM



#78
Pyrene
Concen: 26.766 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.01 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1089197		
200	21.3	17.5	26.3	
203	17.8	14.3	21.5	





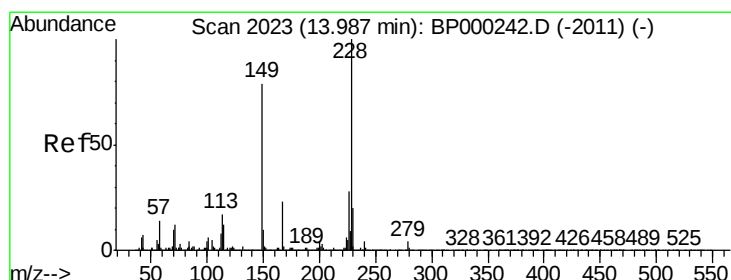
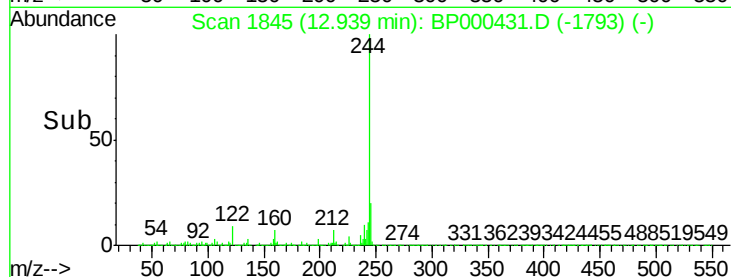
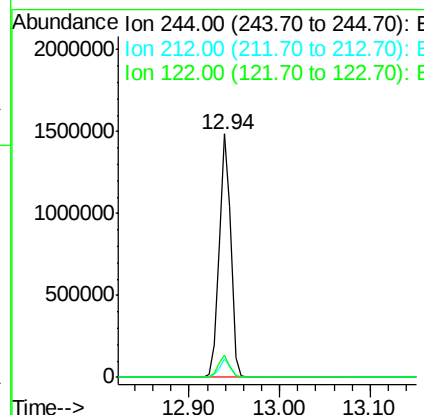
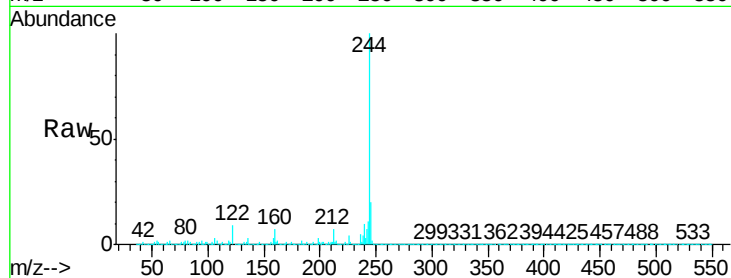
#79
 Terphenyl-d14
 Concen: 50.513 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.01 min
 Lab File: BP000431.D
 Acq: 26 Sep 2019 18:47

Instrument :
 BNA_P
 ClientSampleId :
 TS-1

Tgt Ion: 244 Resp: 1309676
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 9.0 9.0 13.4

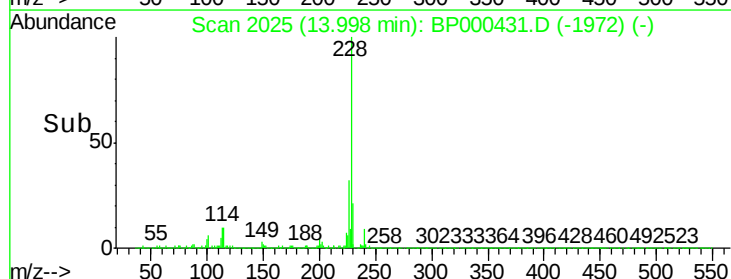
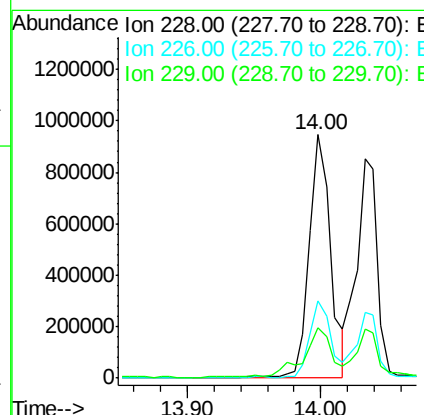
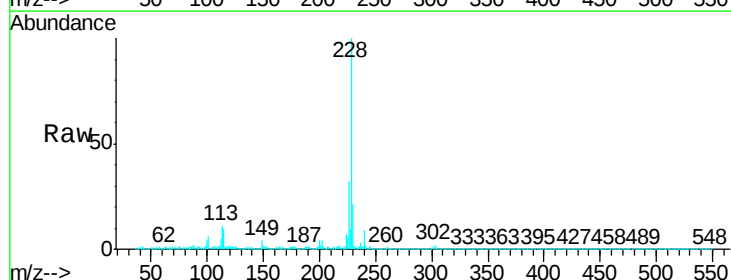
Manual Integrations
 APPROVED

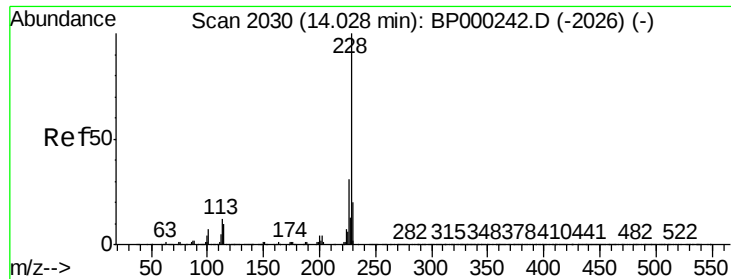
mohammad
 9/27/2019 1:47:16 PM



#81
 Benzo(a)anthracene
 Concen: 30.006 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BP000431.D
 Acq: 26 Sep 2019 18:47

Tgt Ion: 228 Resp: 1030938
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.2 33.4
 229 20.9 16.0 24.0





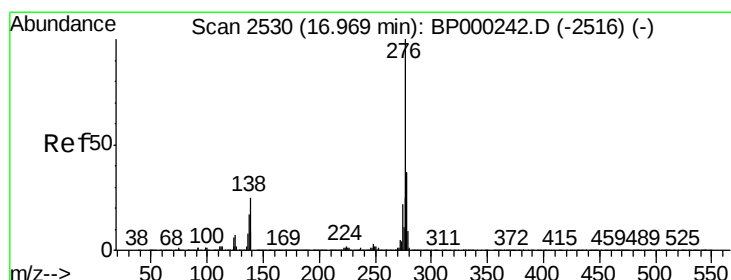
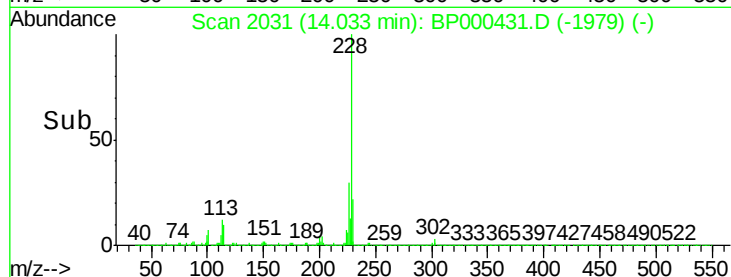
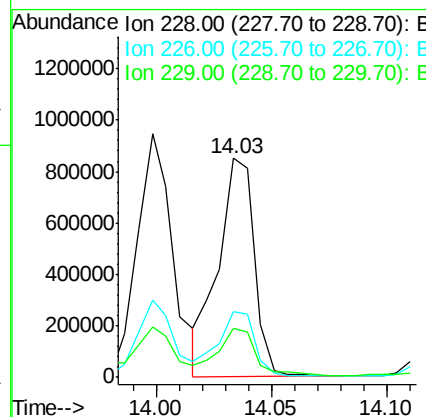
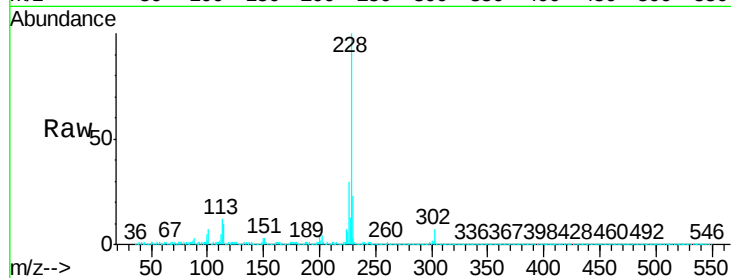
#83
Chrysene
Concen: 27.336 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Instrument :
BNA_P
ClientSampleId :
TS-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	22.6	16.2	24.2

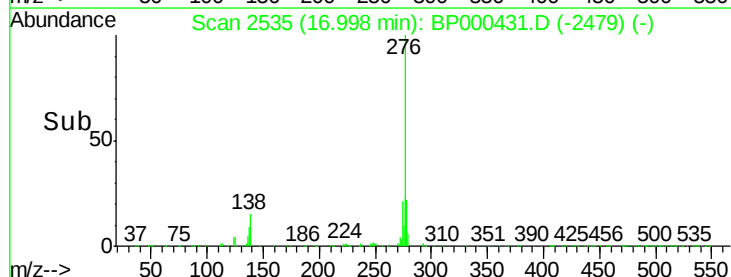
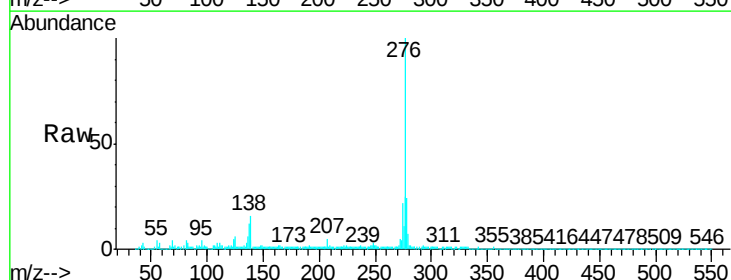
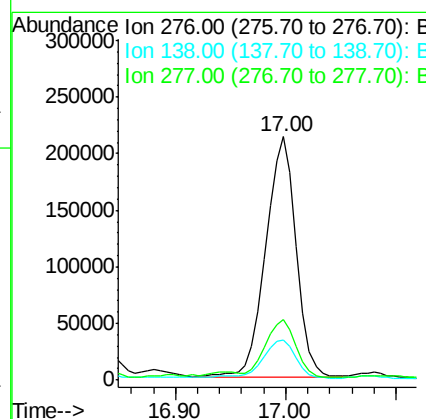
Manual Integrations
APPROVED

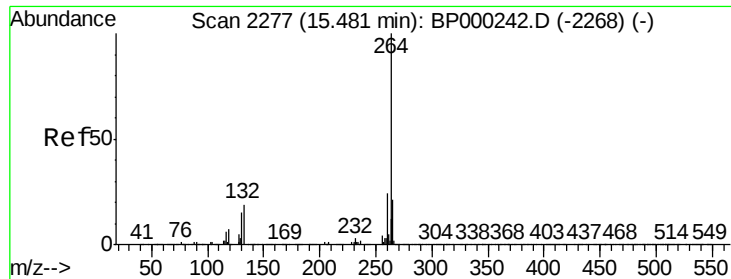
mohammad
9/27/2019 1:47:16 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 9.872 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.03 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.1	22.6	33.8#
277	24.8	20.4	30.6





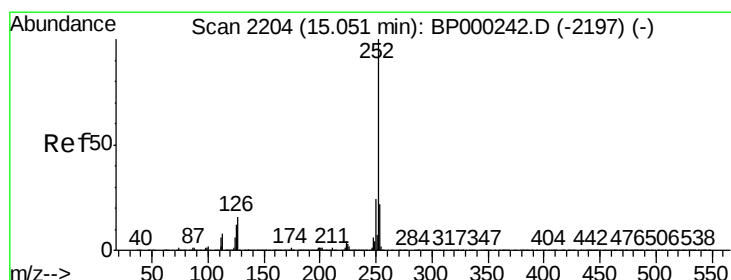
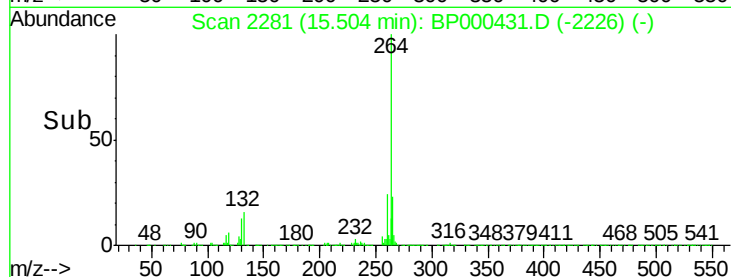
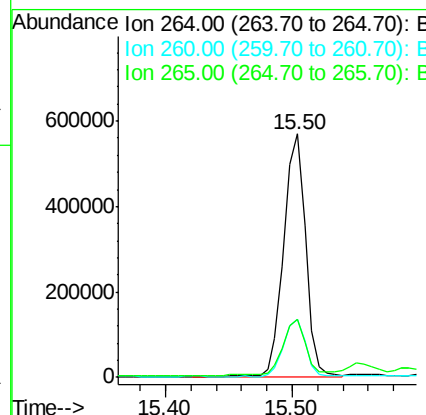
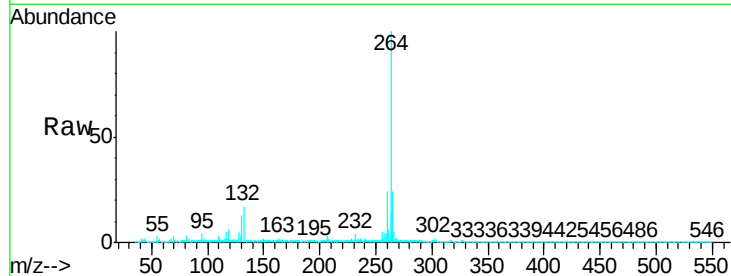
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.02 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Instrument :
BNA_P
ClientSampleId :
TS-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	23.6	17.2	25.8

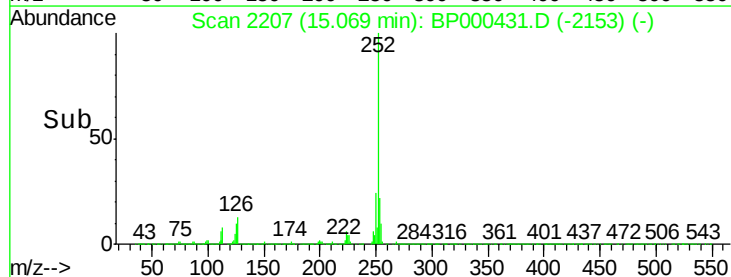
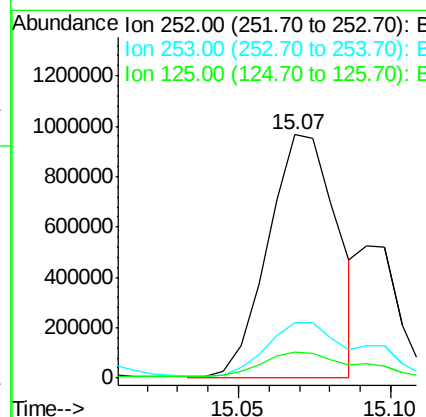
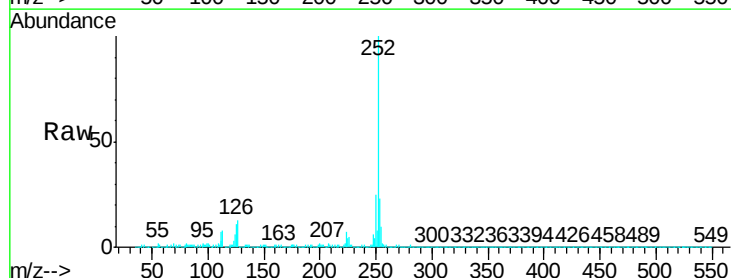
Manual Integrations
APPROVED

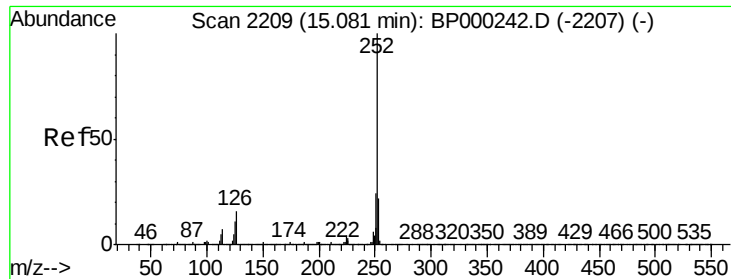
mohammad
9/27/2019 1:47:16 PM



#88
Benzo(b)fluoranthene
Concen: 37.467 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.02 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	10.8	9.5	14.3





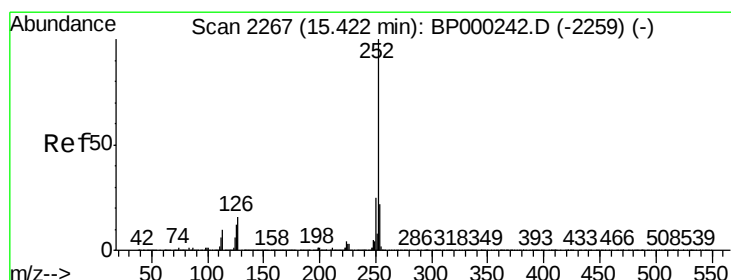
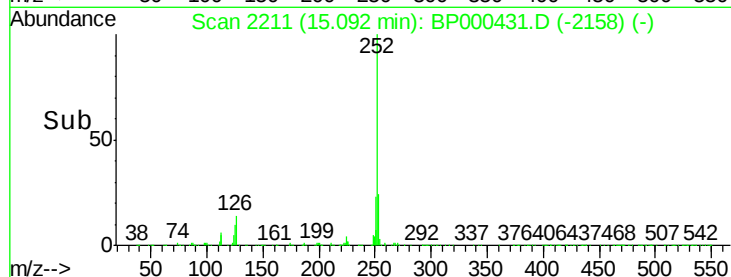
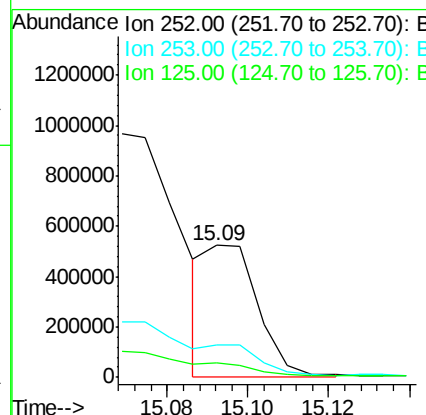
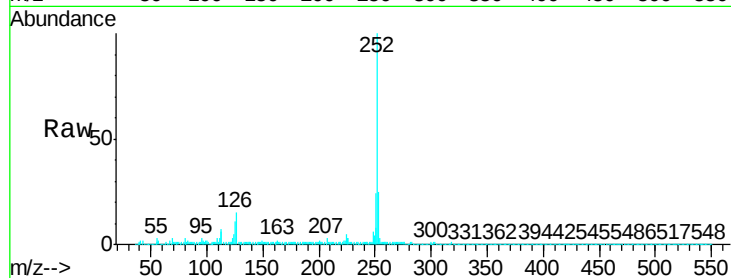
#89
Benzo(k)fluoranthene
Concen: 13.164 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Instrument :
BNA_P
ClientSampleId :
TS-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	11.4	9.6	14.4

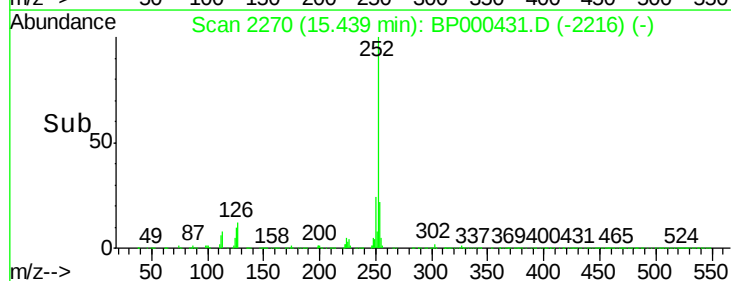
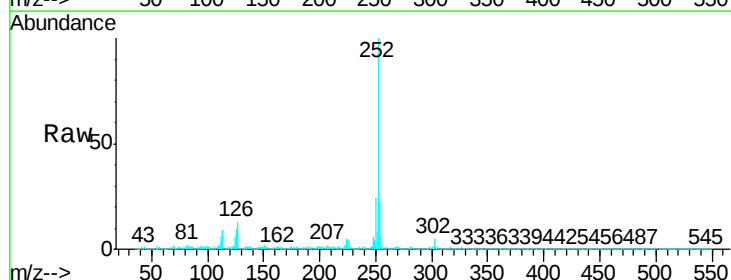
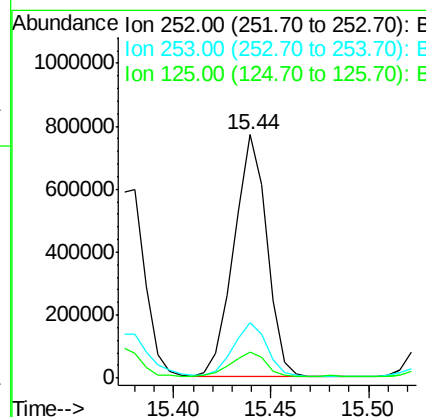
Manual Integrations
APPROVED

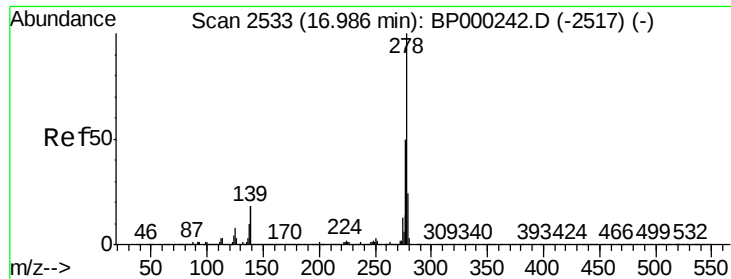
mohammad
9/27/2019 1:47:16 PM



#90
Benzo(a)pyrene
Concen: 24.200 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.02 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	10.4	10.0	15.0





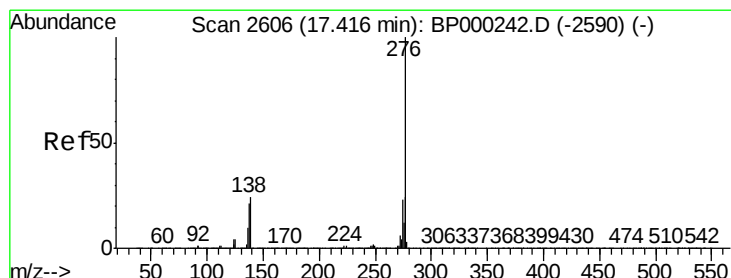
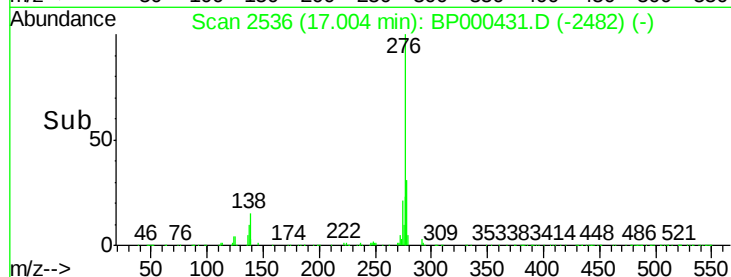
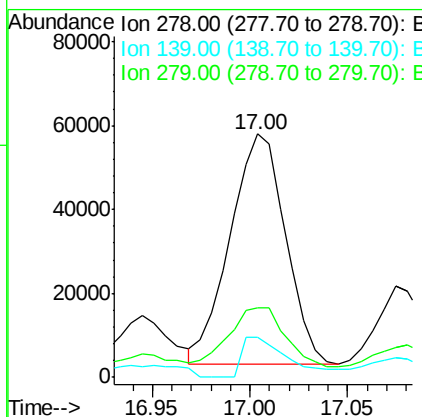
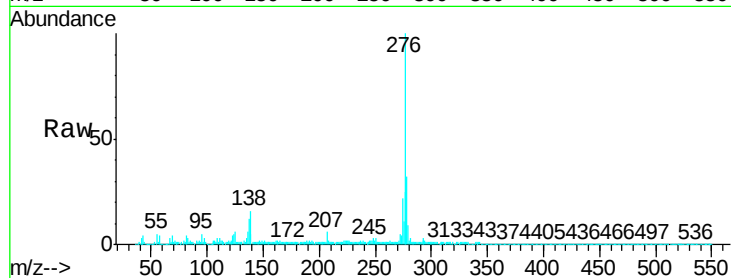
#91
Dibenzo(a,h)anthracene
Concen: 3.108 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.02 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Instrument :
BNA_P
ClientSampleId :
TS-1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.3	14.5	21.7
279	28.4	19.0	28.6

Manual Integrations
APPROVED

mohammad
9/27/2019 1:47:16 PM



#92
Benzo(g,h,i)perylene
Concen: 10.365 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.04 min
Lab File: BP000431.D
Acq: 26 Sep 2019 18:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.1	28.7
138	17.0	19.5	29.3

