

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
 Data File : BP000127.D
 Acq On : 09 Sep 2019 06:49
 Operator : HP/JU
 Sample : K4736-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 FK-GF-02-045-B

Manual Integrations
 APPROVED

mohammad
 9/10/2019 2:51:46 PM

Quant Time: Sep 09 08:55:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 17:47:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	425122	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	1573750	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	835754	20.00	ng	0.00
64) Phenanthrene-d10	11.45	188	1494409	20.00	ng	0.00
76) Chrysene-d12	14.13	240	1174155	20.00	ng	0.02
87) Perylene-d12	15.67	264	972245	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	2284167	85.68	ng	0.00
7) Phenol-d6	6.52	99	2970459	88.26	ng	0.00
23) Nitrobenzene-d5	7.45	82	1605600	62.60	ng	0.00
42) 2,4,6-Tribromophenol	10.74	330	708503	100.57	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	3021939	60.38	ng	0.00
79) Terphenyl-d14	13.06	244	3304166	61.34	ng	0.02

Target Compounds

						Qvalue
10) Phenol	6.53	94	105848	2.831	ng	97
31) Naphthalene	8.20	128	165636	2.294	ng	99
50) Dimethylphthalate	9.65	163	409295	7.187	ng	99
52) Acenaphthene	9.97	154	146651	3.216	ng	97
58) Fluorene	10.49	166	149003	3.057	ng	99
71) Phenanthrene	11.47	178	1236850	16.605	ng	97
72) Anthracene	11.52	178	381435	5.184	ng	98
75) Fluoranthene	12.67	202	1647721	20.357	ng	94
78) Pyrene	12.91	202	1569662	18.172	ng	97
81) Benzo(a)anthracene	14.12	228	747972	9.831	ng	94
83) Chrysene	14.16	228	641314	8.911	ng	97
86) Indeno(1,2,3-cd)pyrene	17.23	276	258857	2.870	ng	92
88) Benzo(b)fluoranthene	15.22	252	760673m	12.809	ng	
89) Benzo(k)fluoranthene	15.25	252	173117m	3.186	ng	
90) Benzo(a)pyrene	15.60	252	485519	9.057	ng	97
92) Benzo(g,h,i)perylene	17.70	276	223201	4.206	ng	97

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

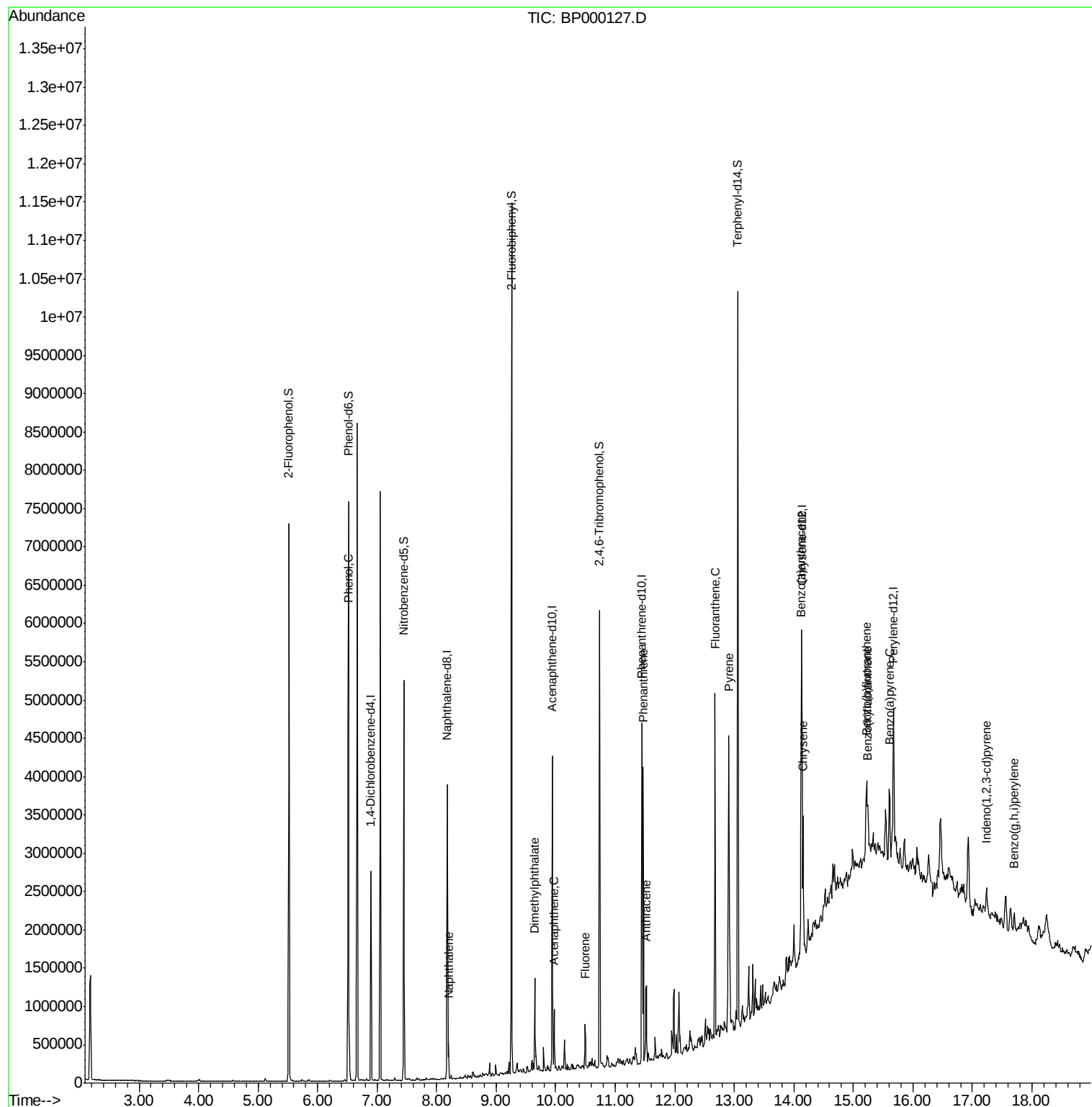
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000127.D
Acq On : 09 Sep 2019 06:49
Operator : HP/JU
Sample : K4736-03
Misc :
ALS Vial : 25 Sample Multiplier: 1

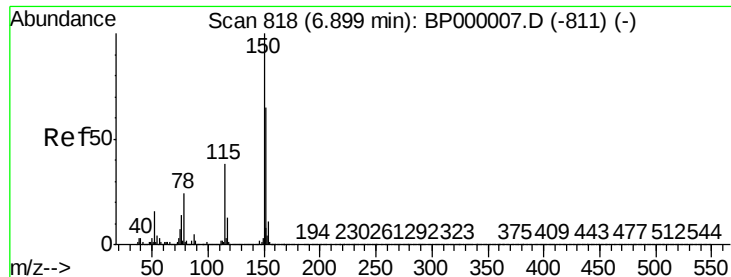
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Manual Integrations
APPROVED

mohammad
9/10/2019 2:51:46 PM

Quant Time: Sep 09 08:55:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 17:47:17 2019
Response via : Initial Calibration





#1

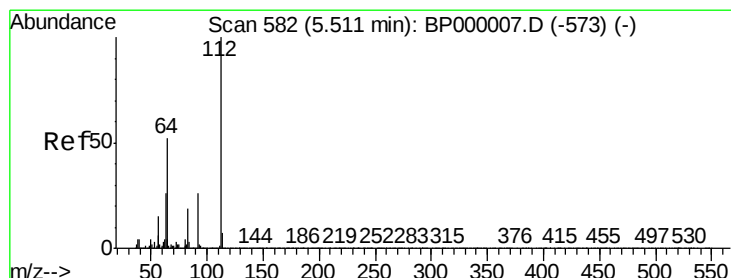
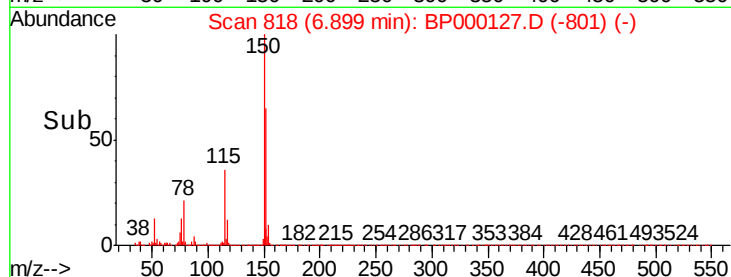
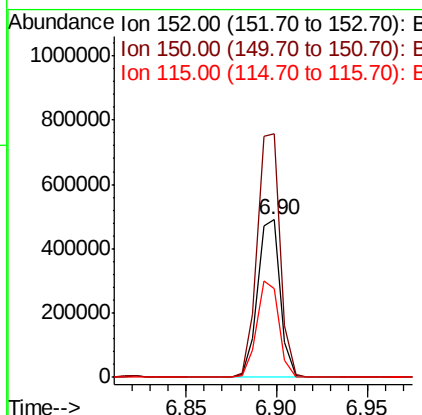
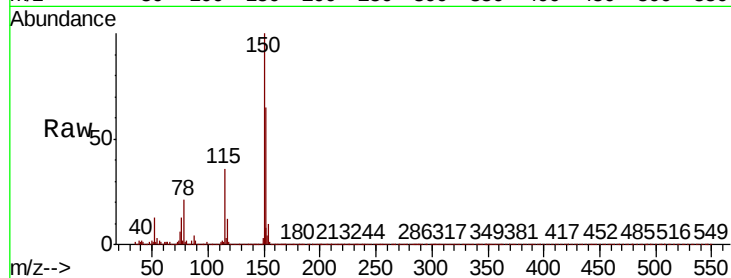
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	123.0	184.6
115	56.2	46.7	70.1

Manual Integrations
APPROVED

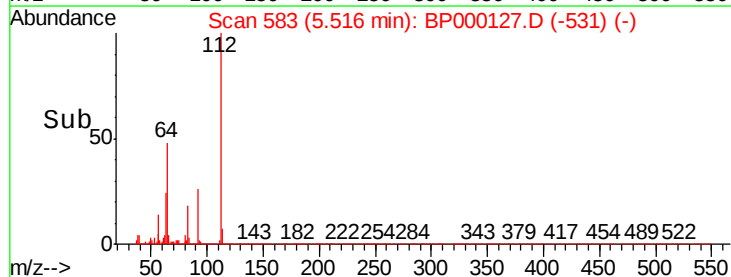
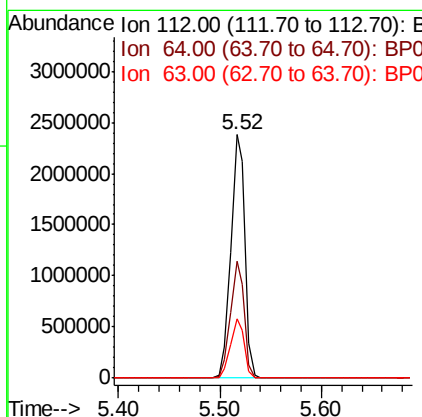
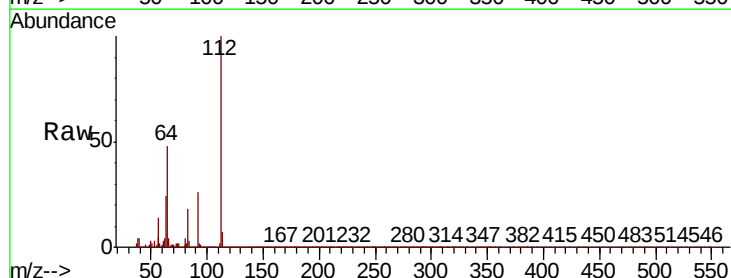
mohammad
9/10/2019 2:51:46 PM

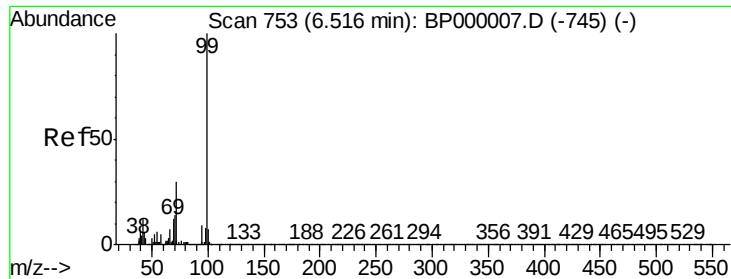


#5

2-Fluorophenol
Concen: 85.679 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.2	41.8	62.8
63	24.4	21.0	31.4





#7

Phenol-d6

Concen: 88.260 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BP000127.D

Acq: 09 Sep 2019 06:49

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-045-B

Tot Ion: 99 Resp: 2970459

Ion Ratio Lower Upper

99 100

42 11.6 9.8 14.8

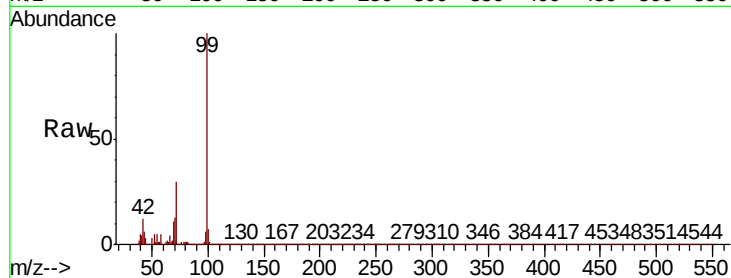
71 29.8 23.8 35.8

Manual Integrations

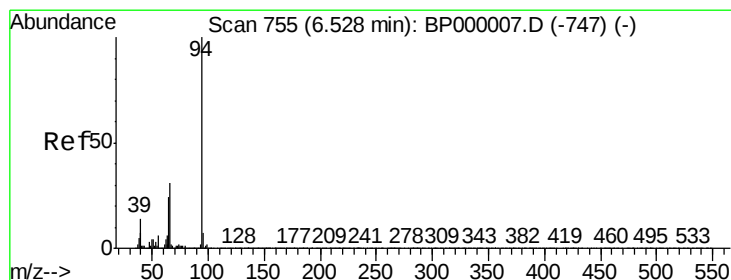
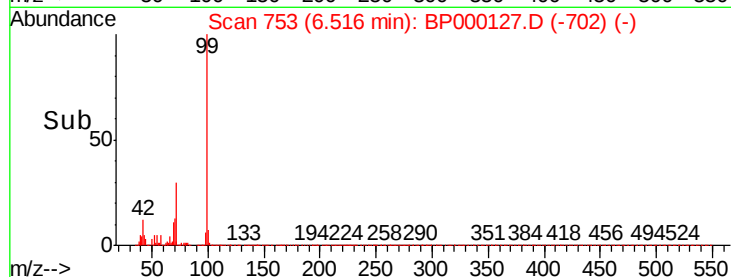
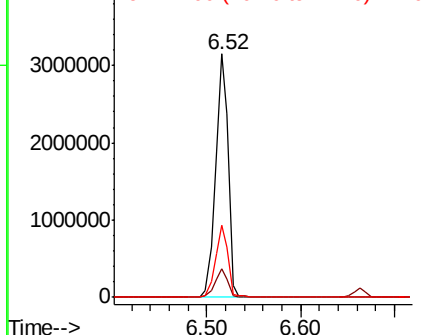
APPROVED

mohammad

9/10/2019 2:51:46 PM



Abundance Ion 99.00 (98.70 to 99.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 2.831 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BP000127.D

Acq: 09 Sep 2019 06:49

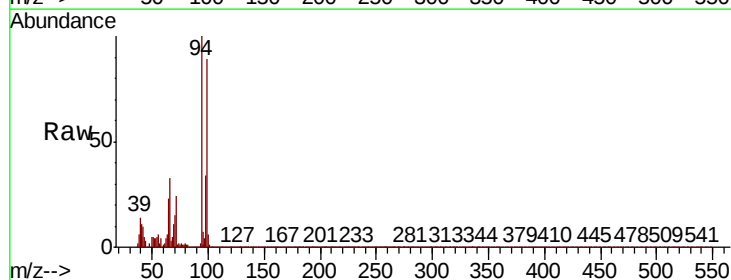
Tgt Ion: 94 Resp: 105848

Ion Ratio Lower Upper

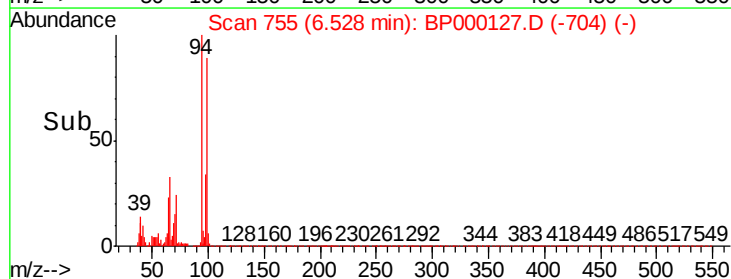
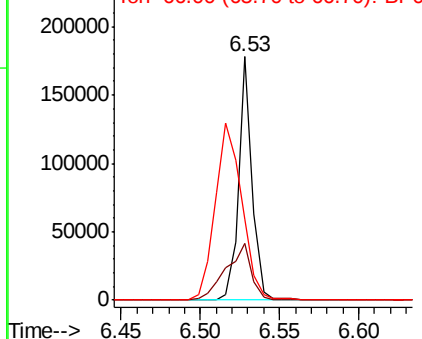
94 100

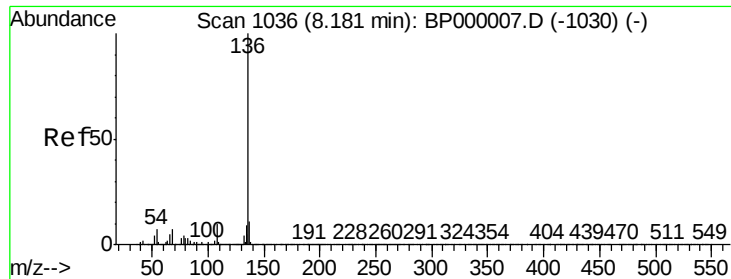
65 23.2 4.1 44.1

66 33.2 11.4 51.4



Abundance Ion 94.00 (93.70 to 94.70): BP0
Ion 65.00 (64.70 to 65.70): BP0
Ion 66.00 (65.70 to 66.70): BP0





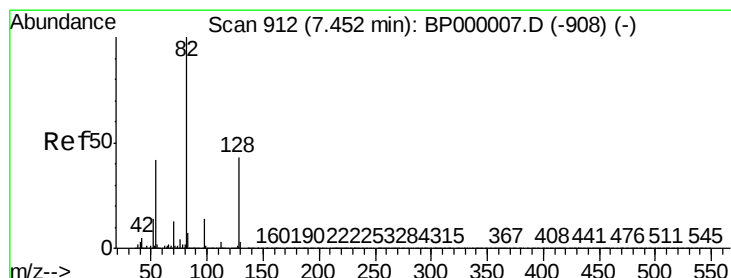
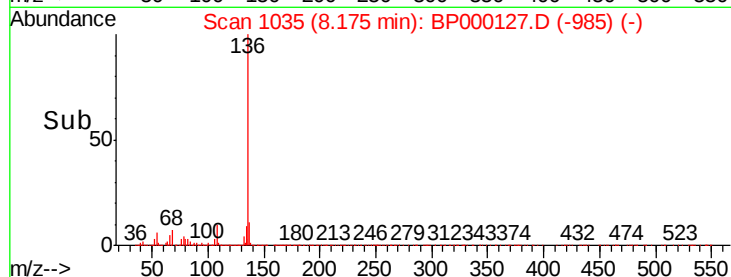
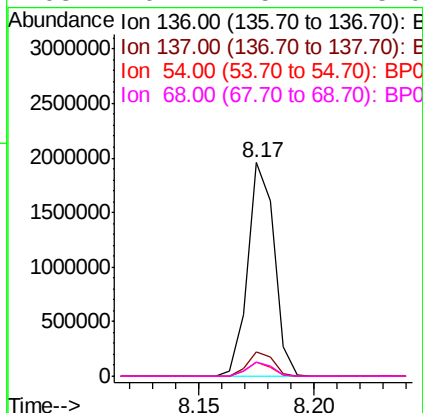
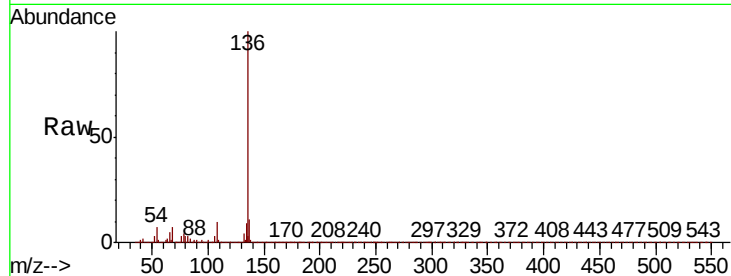
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1573750		
137	11.2	8.6	13.0		
54	6.5	5.4	8.2		
68	6.7	5.4	8.0		

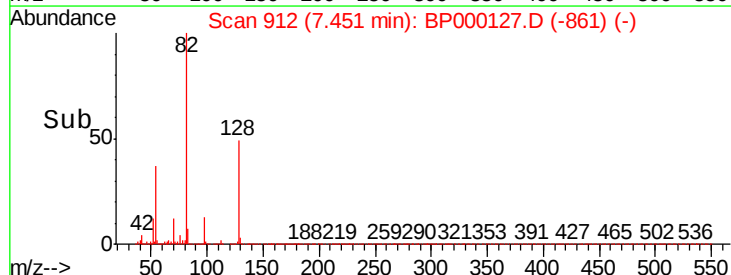
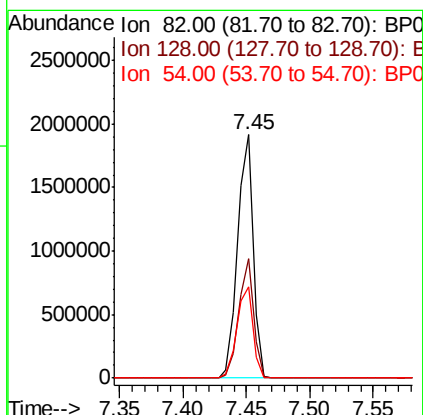
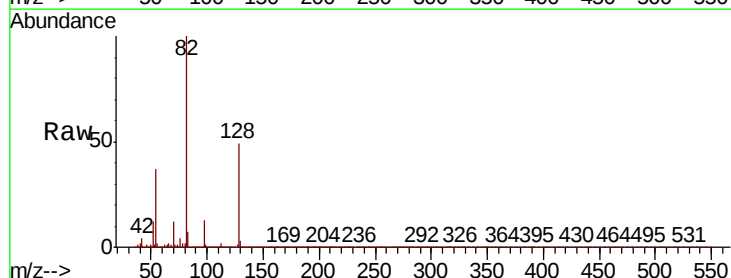
Manual Integrations
APPROVED

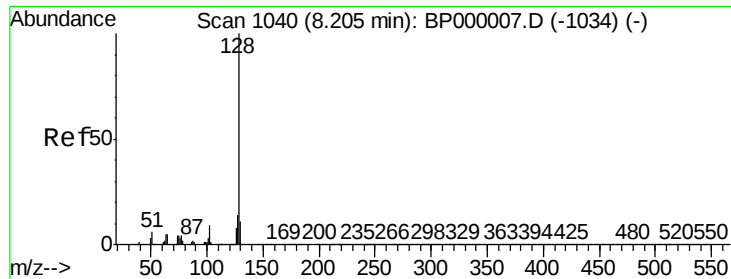
mohammad
9/10/2019 2:51:46 PM



#23
Nitrobenzene-d5
Concen: 62.602 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.00 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1605600		
128	49.3	34.5	51.7		
54	37.3	33.2	49.8		





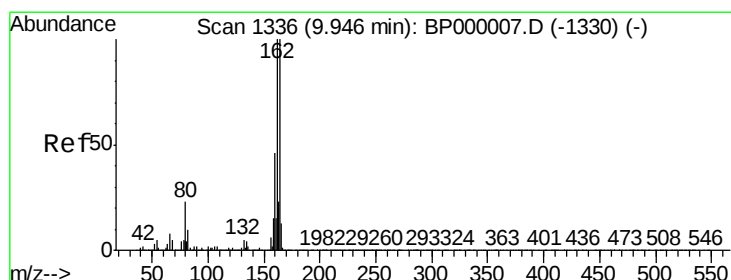
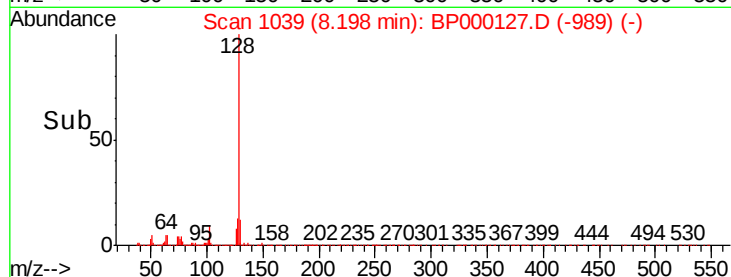
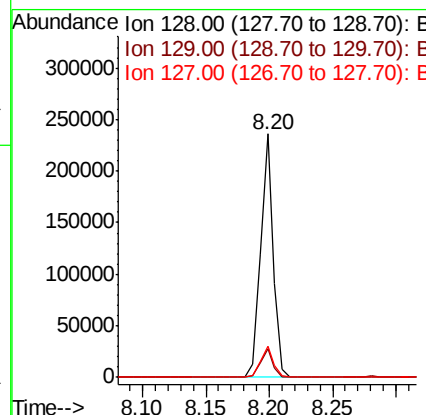
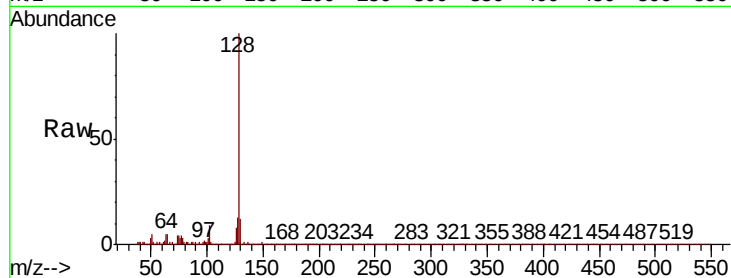
#31
Naphthalene
Concen: 2.294 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.0	11.0	16.6

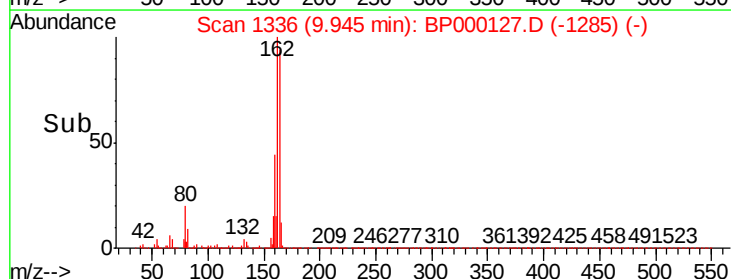
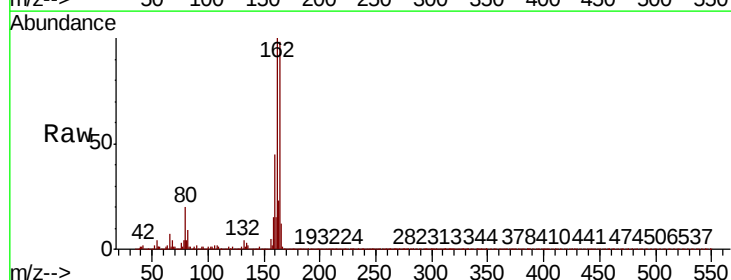
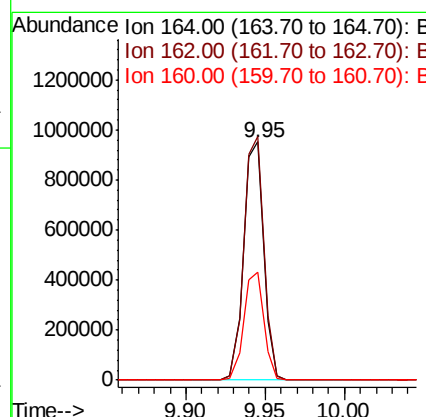
Manual Integrations
APPROVED

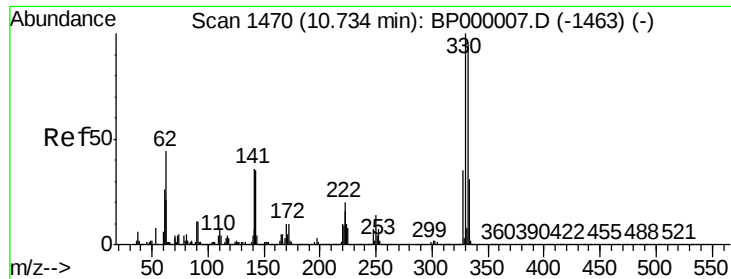
mohammad
9/10/2019 2:51:46 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.00 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.2	120.4
160	45.5	36.6	55.0





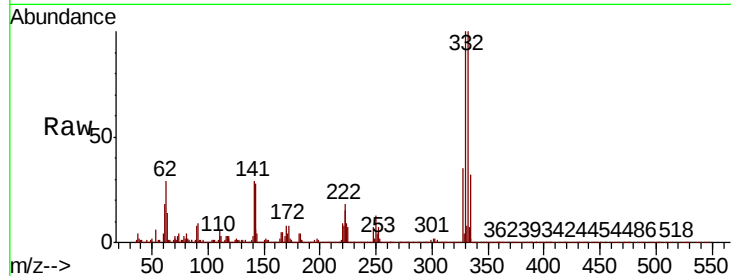
#42
2,4,6-Tribromophenol
Concen: 100.574 ng
RT: 10.74 min Scan# 1471
Delta R.T. 0.01 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	708503		
332	98.0	76.8	115.2	
141	37.6	33.6	50.4	

Manual Integrations
APPROVED

mohammad
9/10/2019 2:51:46 PM

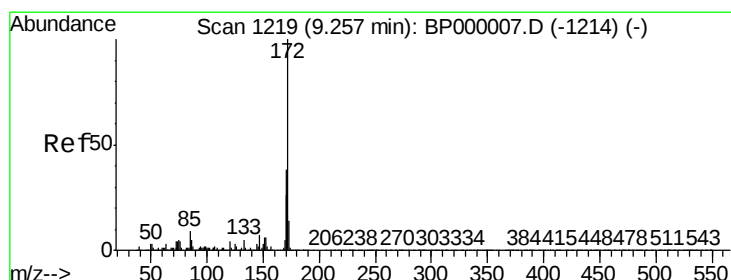
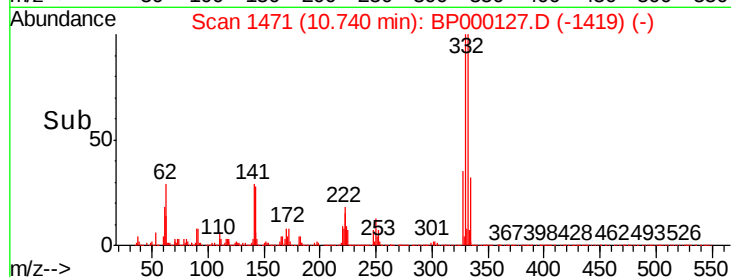
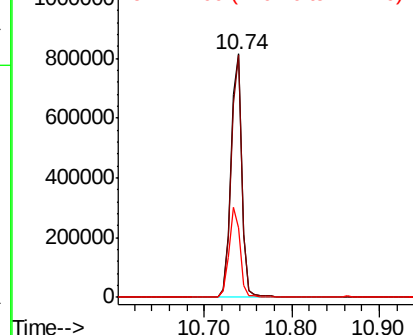


Abundance

Ion 329.80 (329.50 to 330.50): E

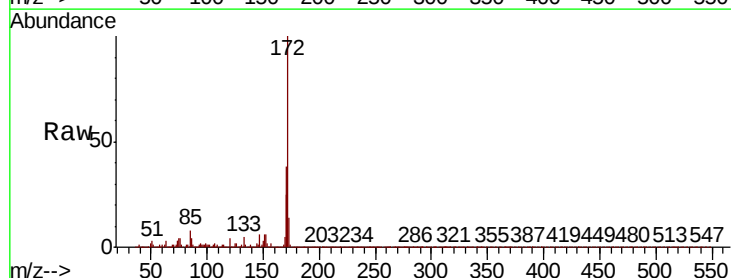
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 60.384 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	3021939		
171	37.6	30.7	46.1	
170	25.2	20.7	31.1	

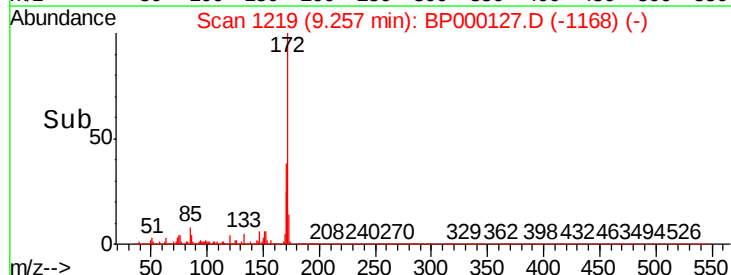
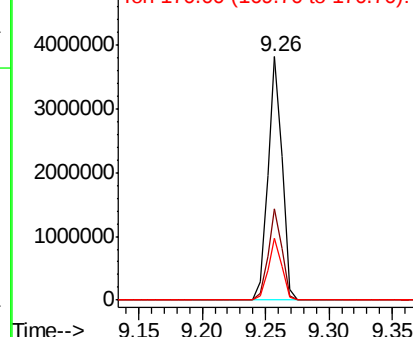


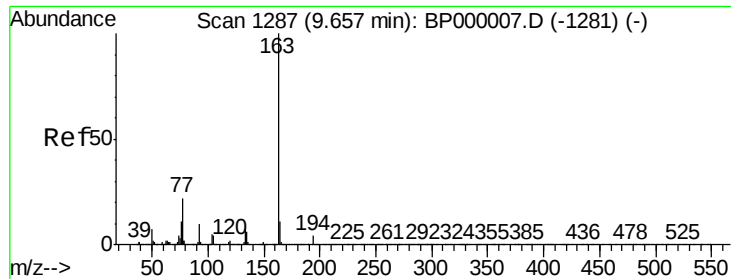
Abundance

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





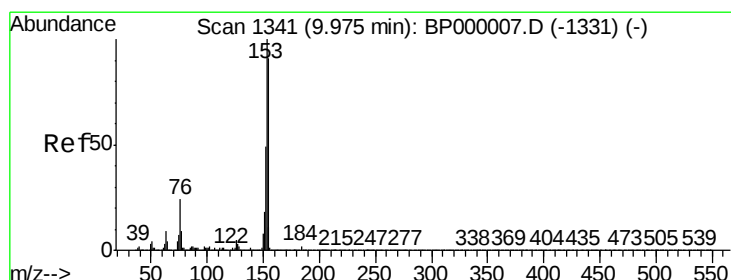
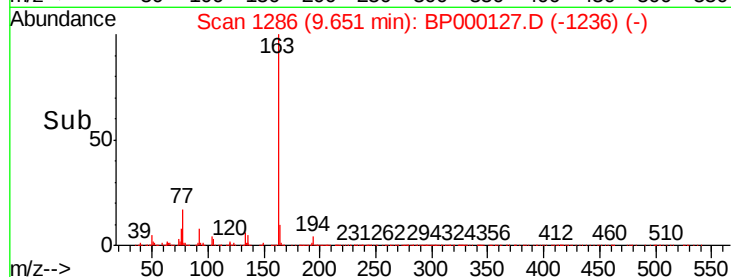
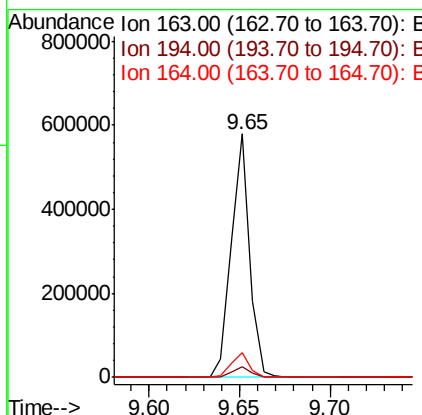
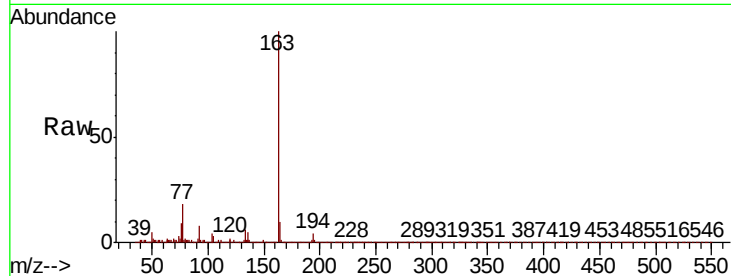
#50
Dimethylphthalate
Concen: 7.187 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion:	163	Resp:	409295
Ion Ratio		Lower	Upper
163	100		
194	4.4	3.3	4.9
164	9.9	8.4	12.6

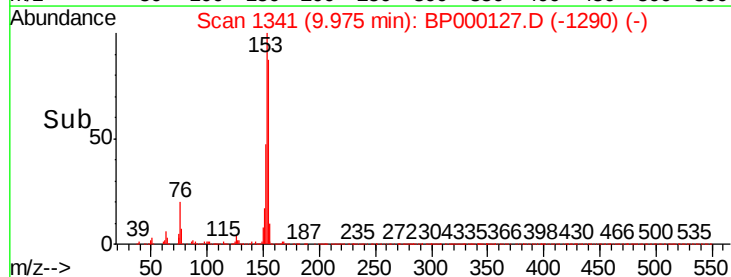
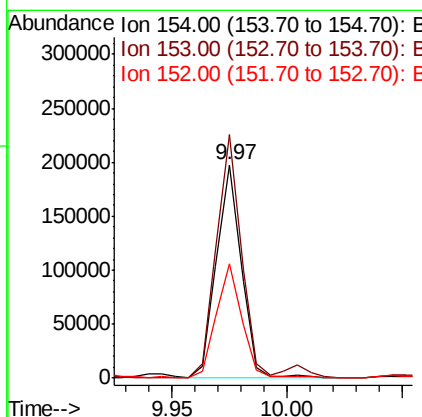
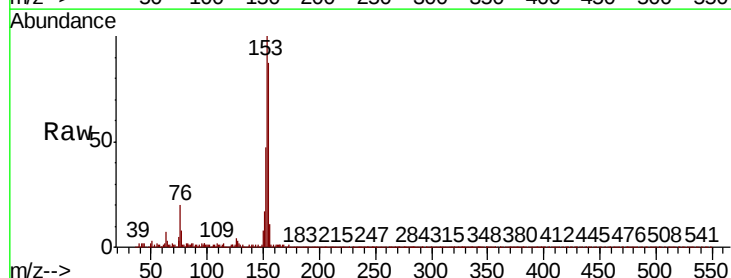
Manual Integrations
APPROVED

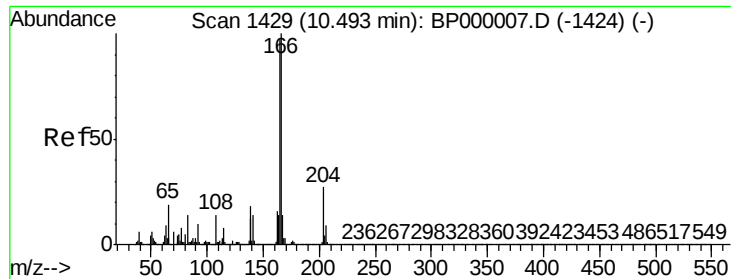
mohammad
9/10/2019 2:51:46 PM



#52
Acenaphthene
Concen: 3.216 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion:	154	Resp:	146651
Ion Ratio		Lower	Upper
154	100		
153	114.3	88.2	132.2
152	53.4	42.9	64.3





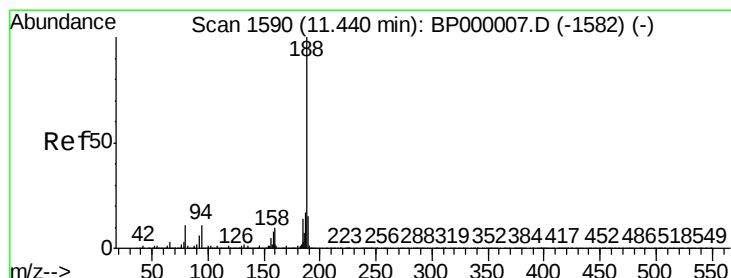
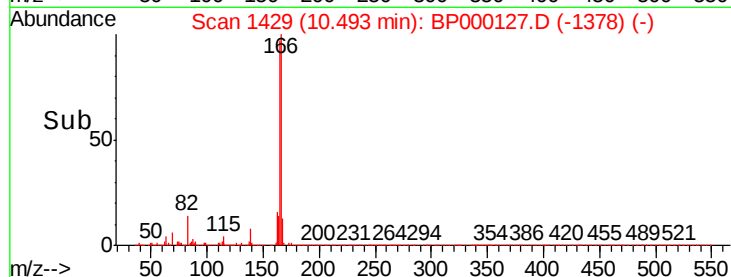
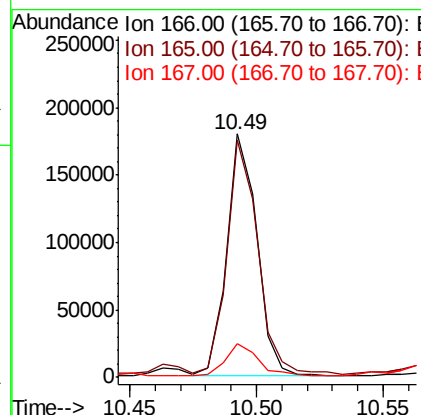
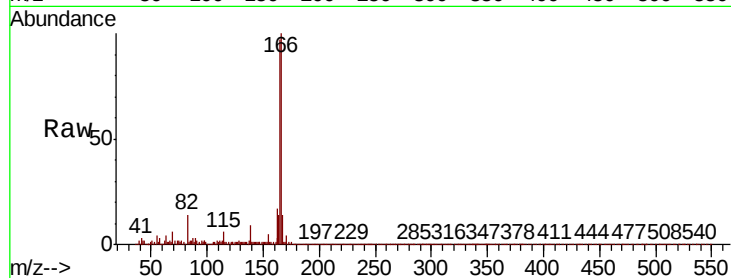
#58
 Fluorene
 Concen: 3.057 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.00 min
 Lab File: BP000127.D
 Acq: 09 Sep 2019 06:49

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-045-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		149003		
165	97.2	77.3	115.9		
167	13.7	11.0	16.6		

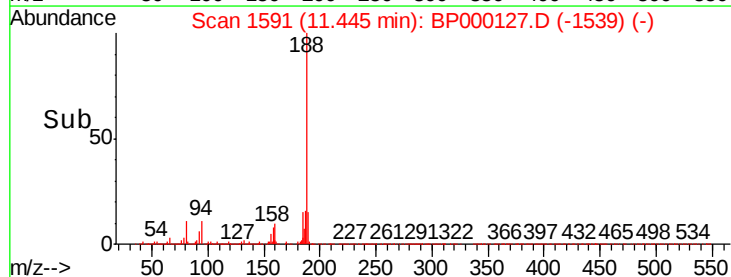
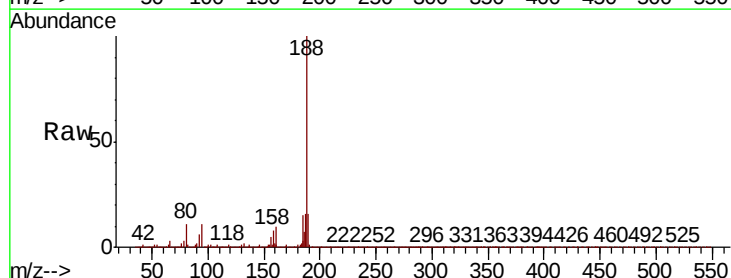
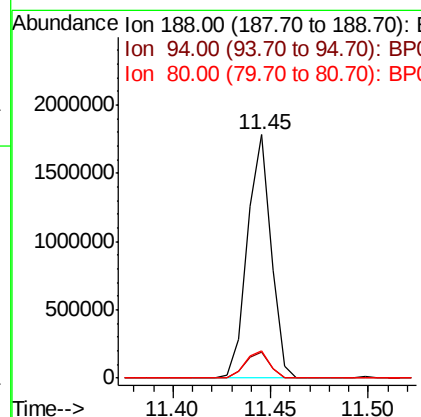
Manual Integrations
 APPROVED

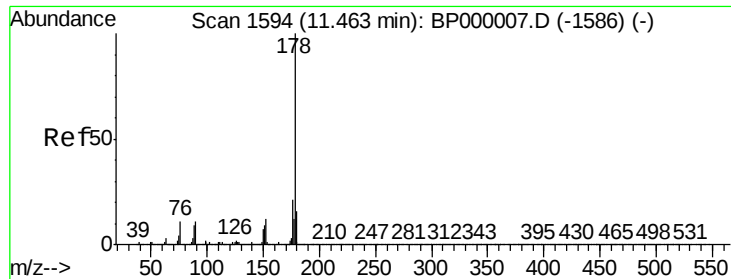
mohammad
 9/10/2019 2:51:46 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: BP000127.D
 Acq: 09 Sep 2019 06:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		1494409		
94	10.8	8.8	13.2		
80	11.1	9.0	13.6		





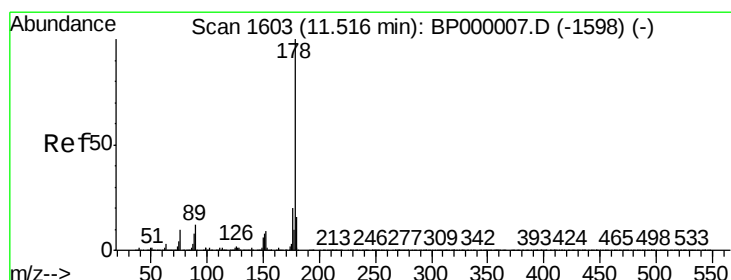
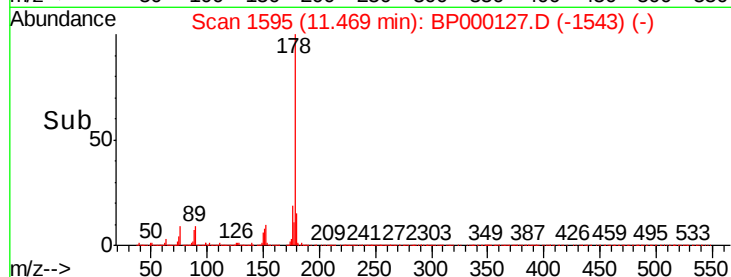
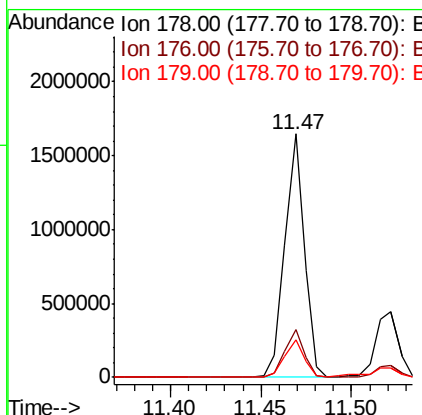
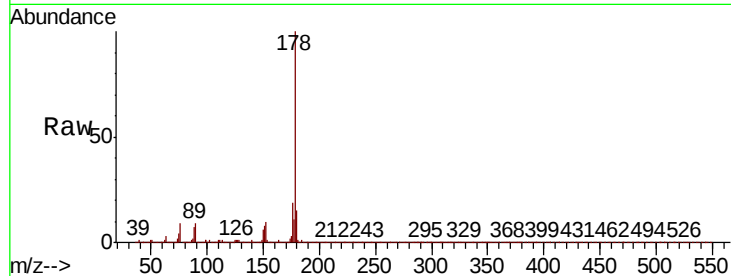
#71
Phenanthrene
Concen: 16.605 ng
RT: 11.47 min Scan# 1595
Delta R.T. 0.01 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.7	25.1
179	15.3	13.1	19.7

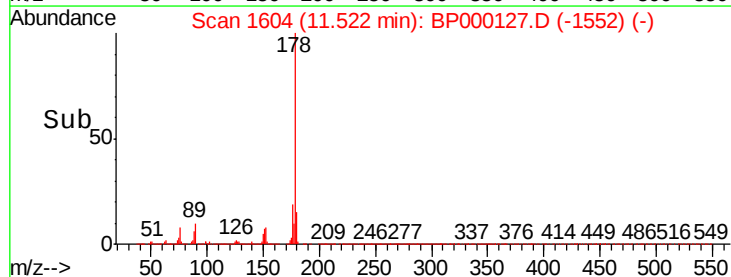
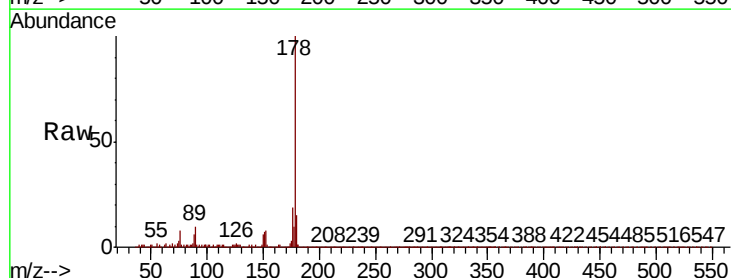
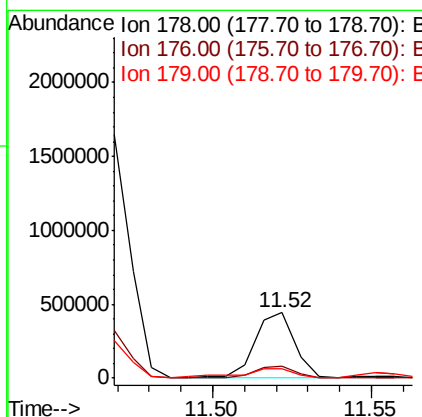
Manual Integrations
APPROVED

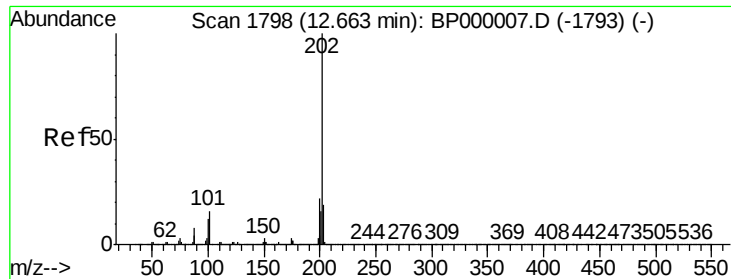
mohammad
9/10/2019 2:51:46 PM



#72
Anthracene
Concen: 5.184 ng
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.2	13.0	19.6





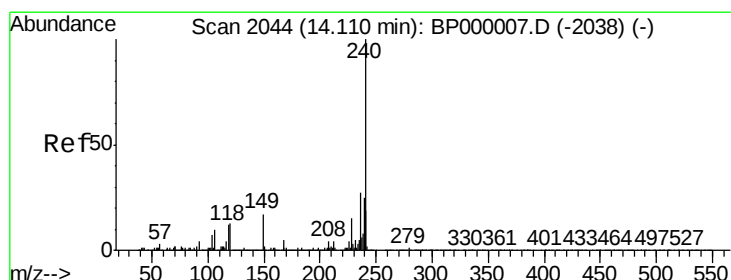
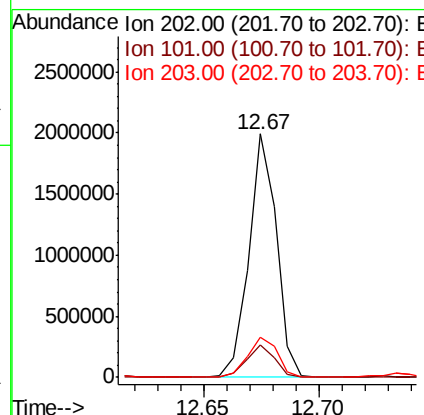
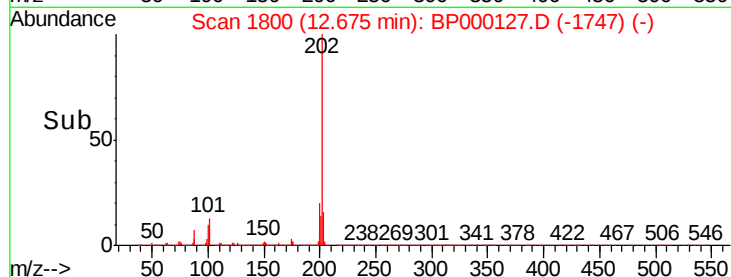
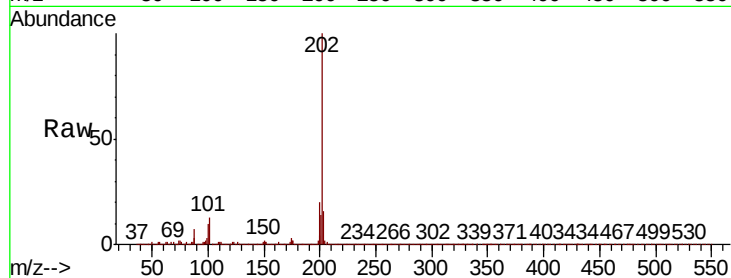
#75
Fluoranthene
Concen: 20.357 ng
RT: 12.67 min Scan# 1800
Delta R.T. 0.01 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	36.4
203	16.4	0.0	38.7

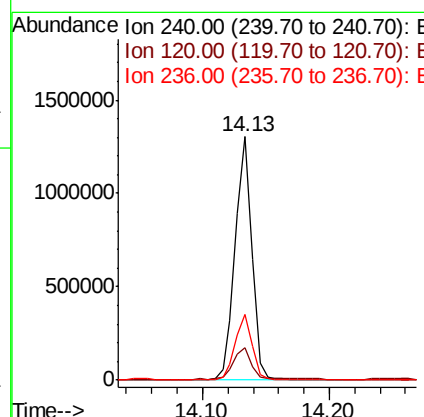
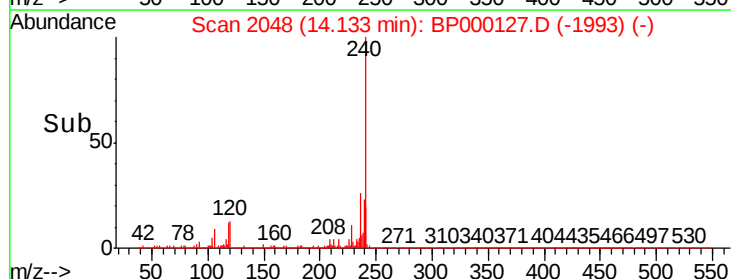
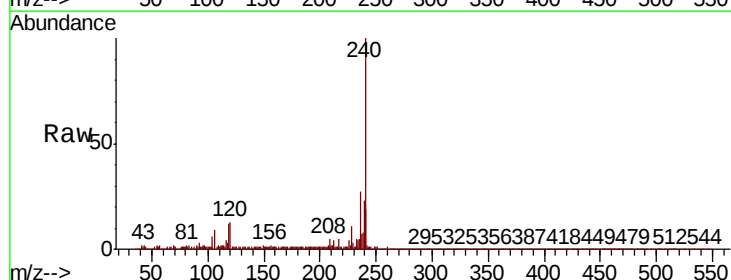
Manual Integrations
APPROVED

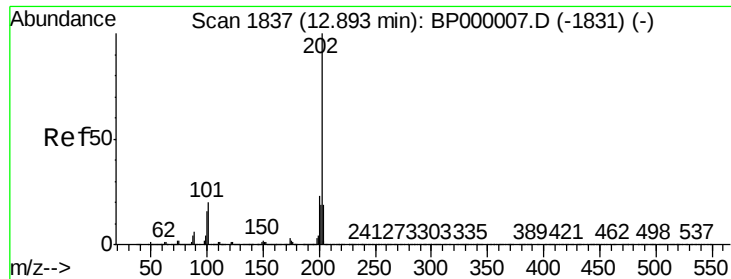
mohammad
9/10/2019 2:51:46 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. 0.02 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.5	15.7
236	26.9	21.5	32.3





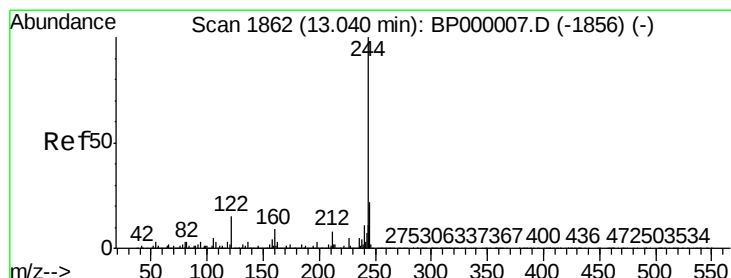
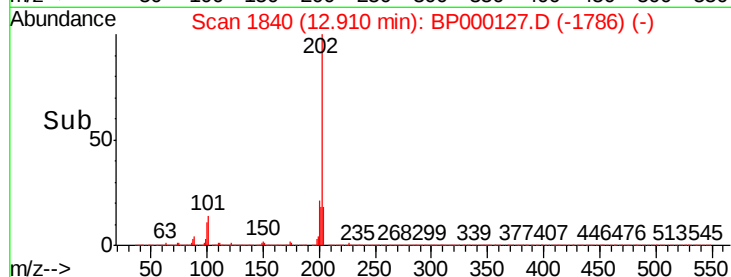
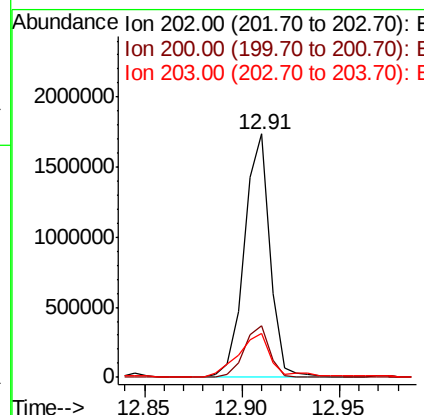
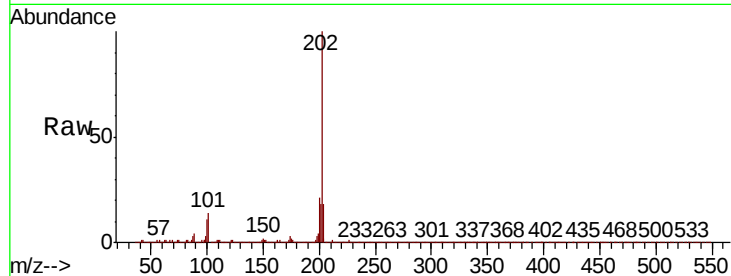
#78
Pvrene
Concen: 18.172 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.02 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.5	27.7
203	17.9	15.1	22.7

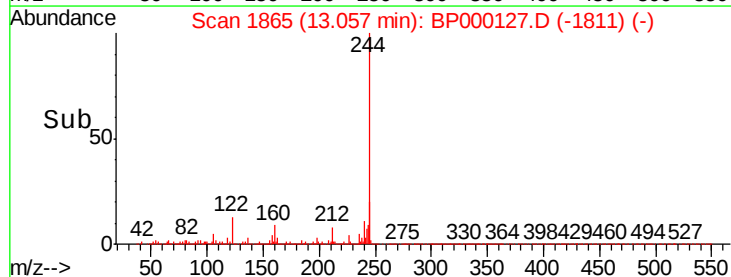
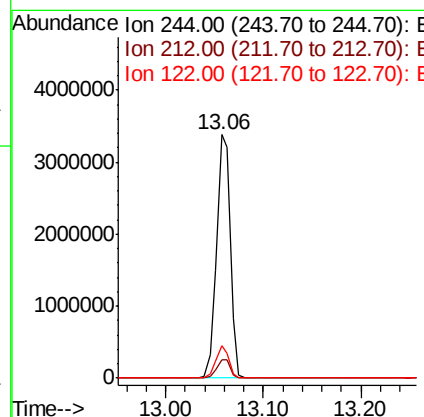
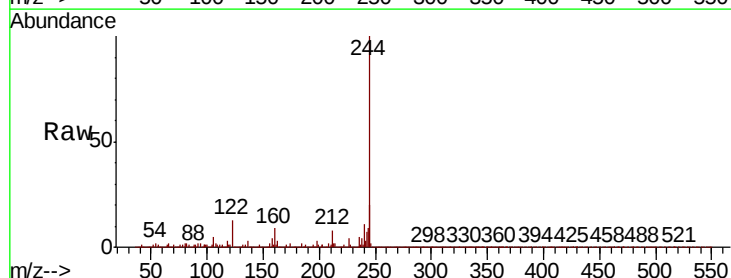
Manual Integrations
APPROVED

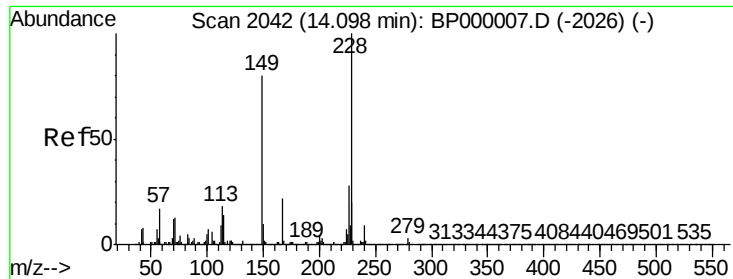
mohammad
9/10/2019 2:51:46 PM



#79
Terphenyl-d14
Concen: 61.336 ng
RT: 13.06 min Scan# 1865
Delta R.T. 0.02 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.6	10.0
122	13.1	12.3	18.5





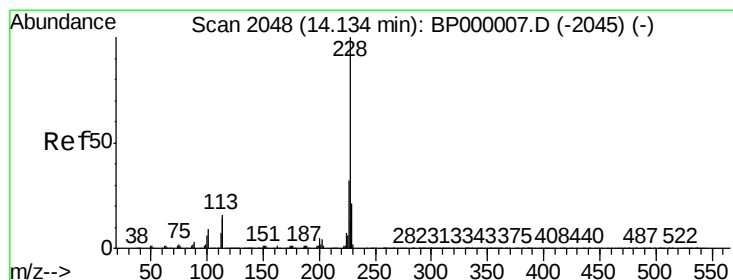
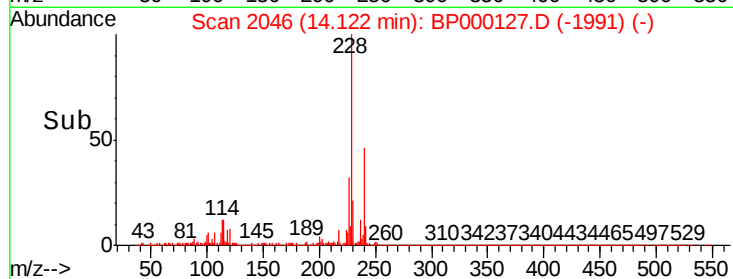
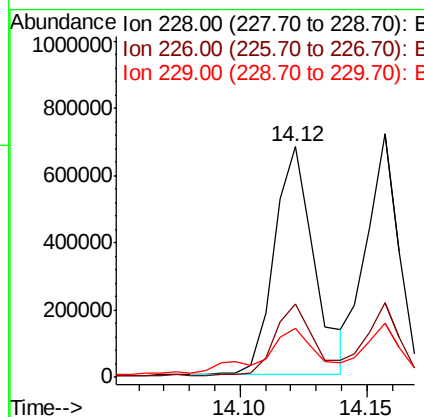
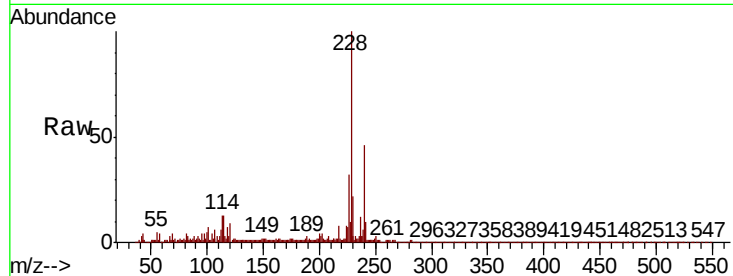
#81
Benzo(a)anthracene
Concen: 9.831 ng
RT: 14.12 min Scan# 2046
Delta R.T. 0.02 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.5	33.7
229	21.6	16.2	24.2

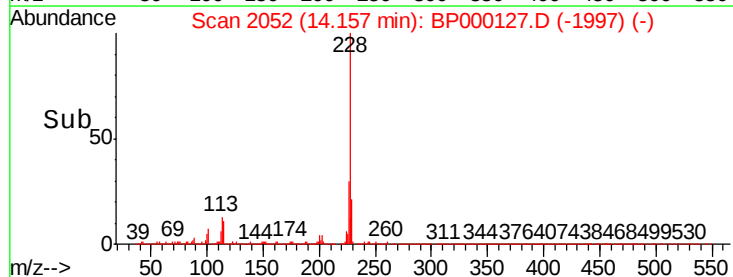
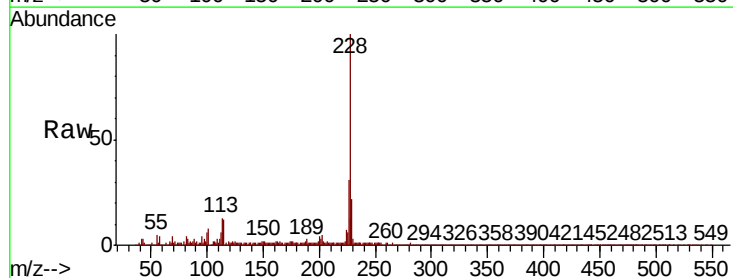
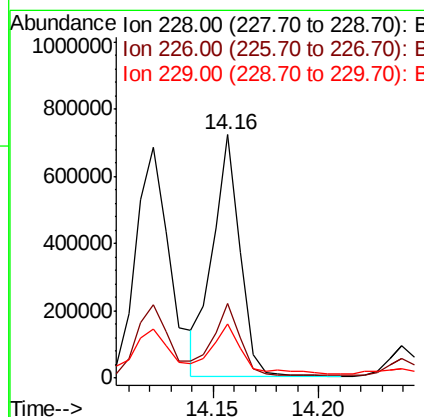
Manual Integrations
APPROVED

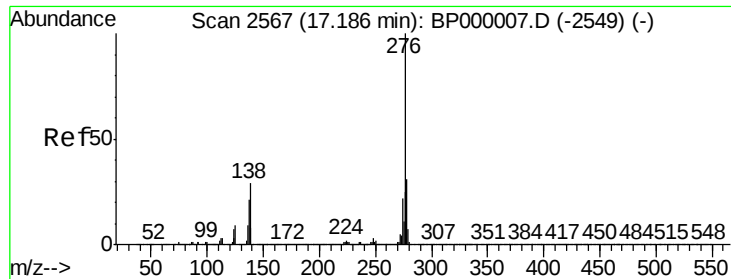
mohammad
9/10/2019 2:51:46 PM



#83
Chrysene
Concen: 8.911 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.02 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.5	38.3
229	22.3	16.5	24.7





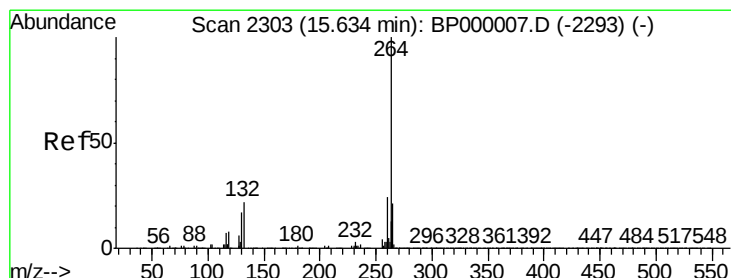
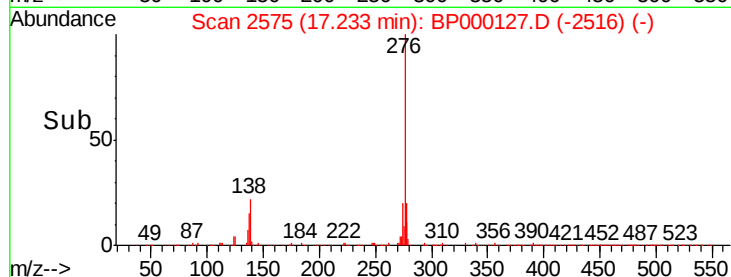
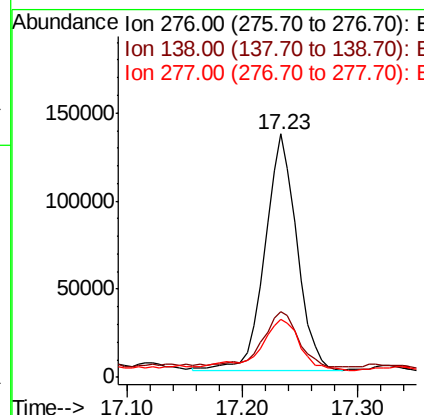
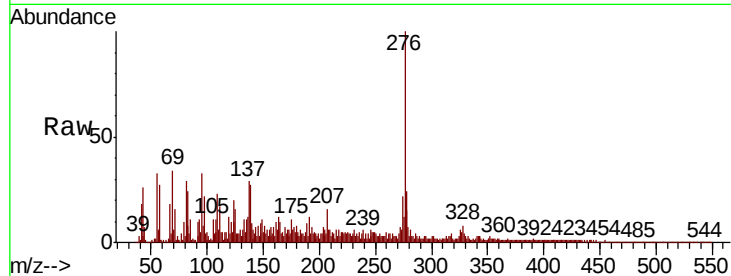
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.870 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.05 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	26.5	39.7
277	27.6	20.3	30.5

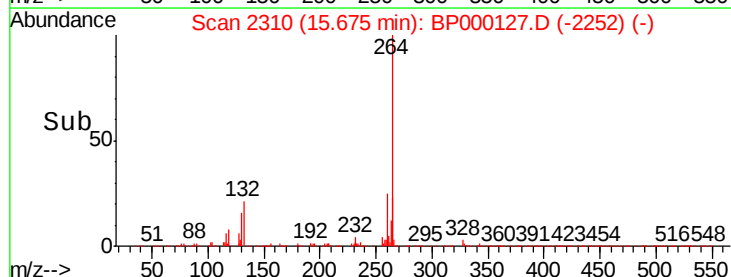
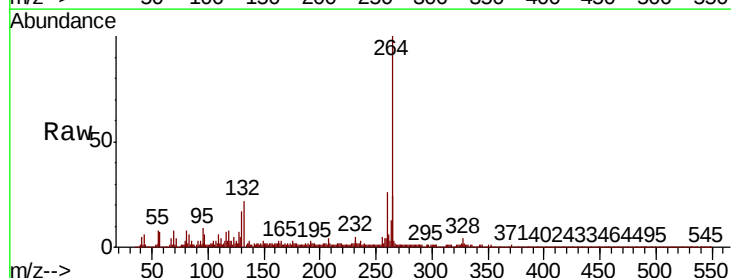
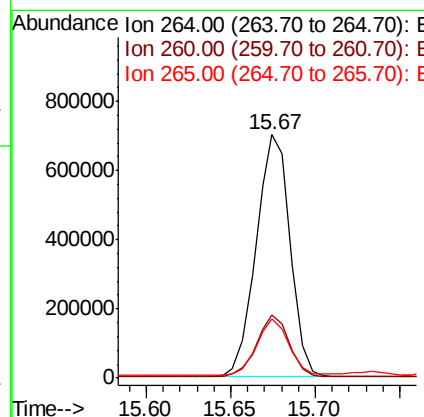
Manual Integrations
APPROVED

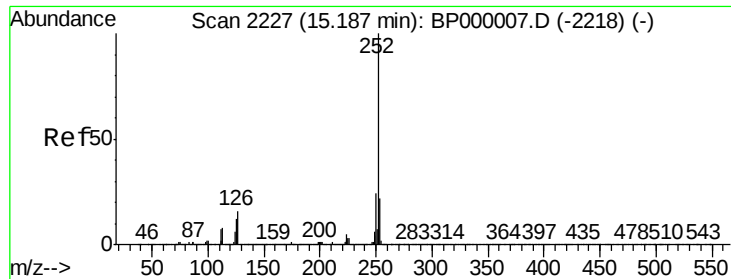
mohammad
9/10/2019 2:51:46 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.04 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.1	28.7
265	24.3	17.1	25.7





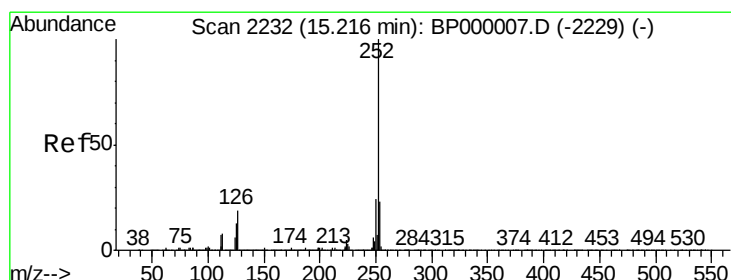
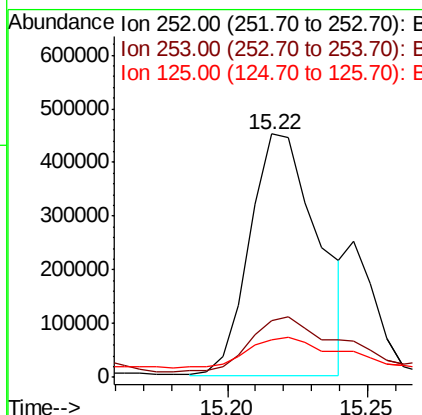
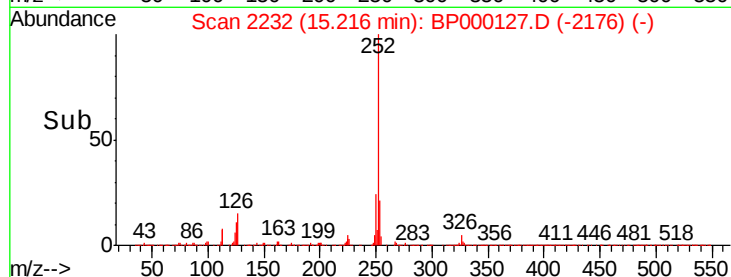
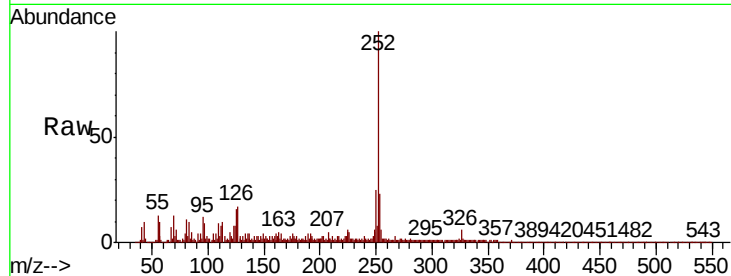
#88
Benzo(b)fluoranthene
Concen: 12.809 ng m
RT: 15.22 min Scan# 2232
Delta R.T. 0.03 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-045-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	15.6	9.4	14.2

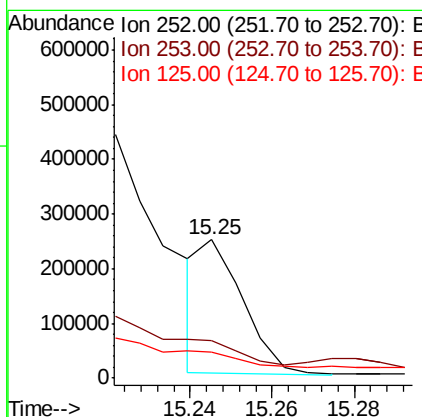
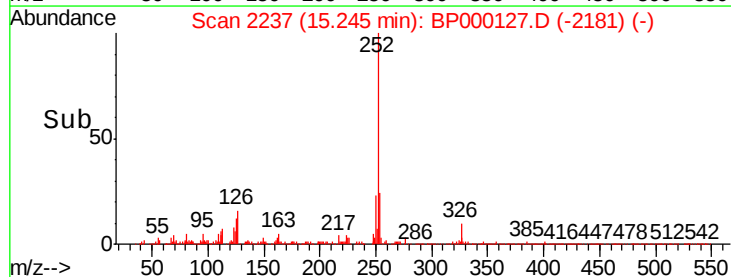
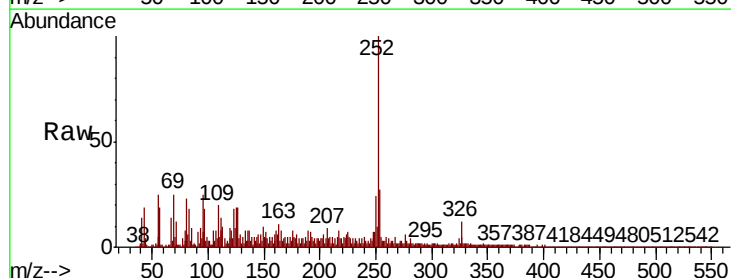
Manual Integrations
APPROVED

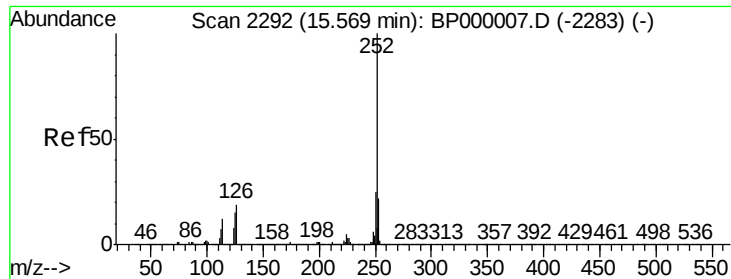
mohammad
9/10/2019 2:51:46 PM



#89
Benzo(k)fluoranthene
Concen: 3.186 ng m
RT: 15.25 min Scan# 2237
Delta R.T. 0.03 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.0	27.0
125	19.0	10.3	15.5





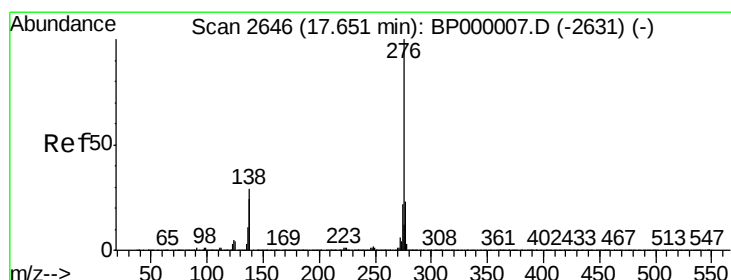
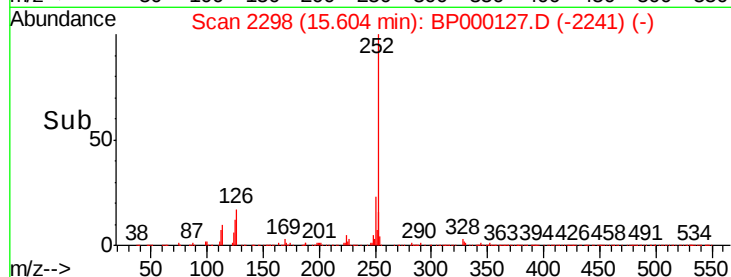
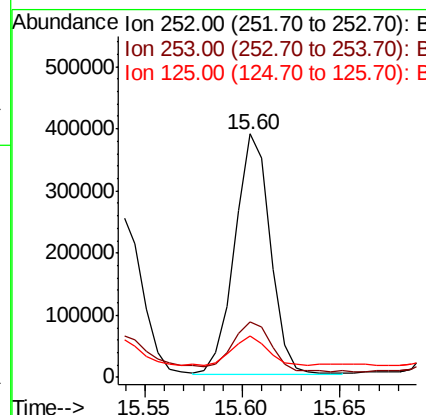
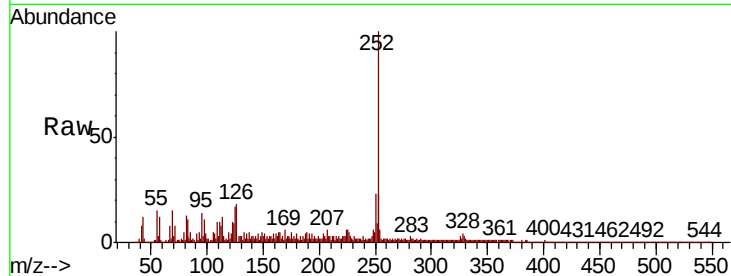
#90
Benzo(a)pyrene
Concen: 9.057 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.04 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Instrument :
BNA_P
ClientSampled :
FK-GF-02-045-B

Tot Ion:	252	Resp:	485519
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	17.1	11.7	17.5

Manual Integrations
APPROVED

mohammad
9/10/2019 2:51:46 PM



#92
Benzo(g,h,i)perylene
Concen: 4.206 ng
RT: 17.70 min Scan# 2655
Delta R.T. 0.05 min
Lab File: BP000127.D
Acq: 09 Sep 2019 06:49

Tgt Ion:	276	Resp:	223201
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.6	28.0
138	30.2	23.0	34.4

