

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
 Data File : BF115447.D
 Acq On : 9 Jul 2019 21:39
 Operator : HP/JU
 Sample : K3697-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Manual Integrations
 APPROVED

mohammad
 7/10/2019 6:17:02 PM

Quant Time: Jul 10 08:43:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:29:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	169767	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	660230	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	342415	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	636804	20.00	ng	0.00
76) Chrysene-d12	14.09	240	365137	20.00	ng	-0.12
87) Perylene-d12	15.66	264	447484	20.00	ng	-0.22
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	927651	84.42	ng	0.00
7) Phenol-d6	6.52	99	1211104	86.67	ng	0.00
23) Nitrobenzene-d5	7.45	82	757349	67.77	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	343026	90.60	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1421778	72.86	ng	0.00
79) Terphenyl-d14	13.00	244	1412504	79.21	ng	-0.04
Target Compounds						
50) Dimethylphthalate	9.64	163	378196	14.715	ng	99
71) Phenanthrene	11.43	178	202777	6.055	ng	99
75) Fluoranthene	12.62	202	373356	10.588	ng	99
78) Pyrene	12.85	202	380466m	13.399	ng	
81) Benzo(a)anthracene	14.08	228	185457	7.927	ng	94
83) Chrysene	14.12	228	209626	8.720	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	152092	2.108	ng	96
88) Benzo(b)fluoranthene	15.22	252	301002m	10.331	ng	
89) Benzo(k)fluoranthene	15.24	252	96176m	3.712	ng	
90) Benzo(a)pyrene	15.59	252	220187	8.762	ng	99
92) Benzo(g,h,i)perylene	17.60	276	146348	7.200	ng	100

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

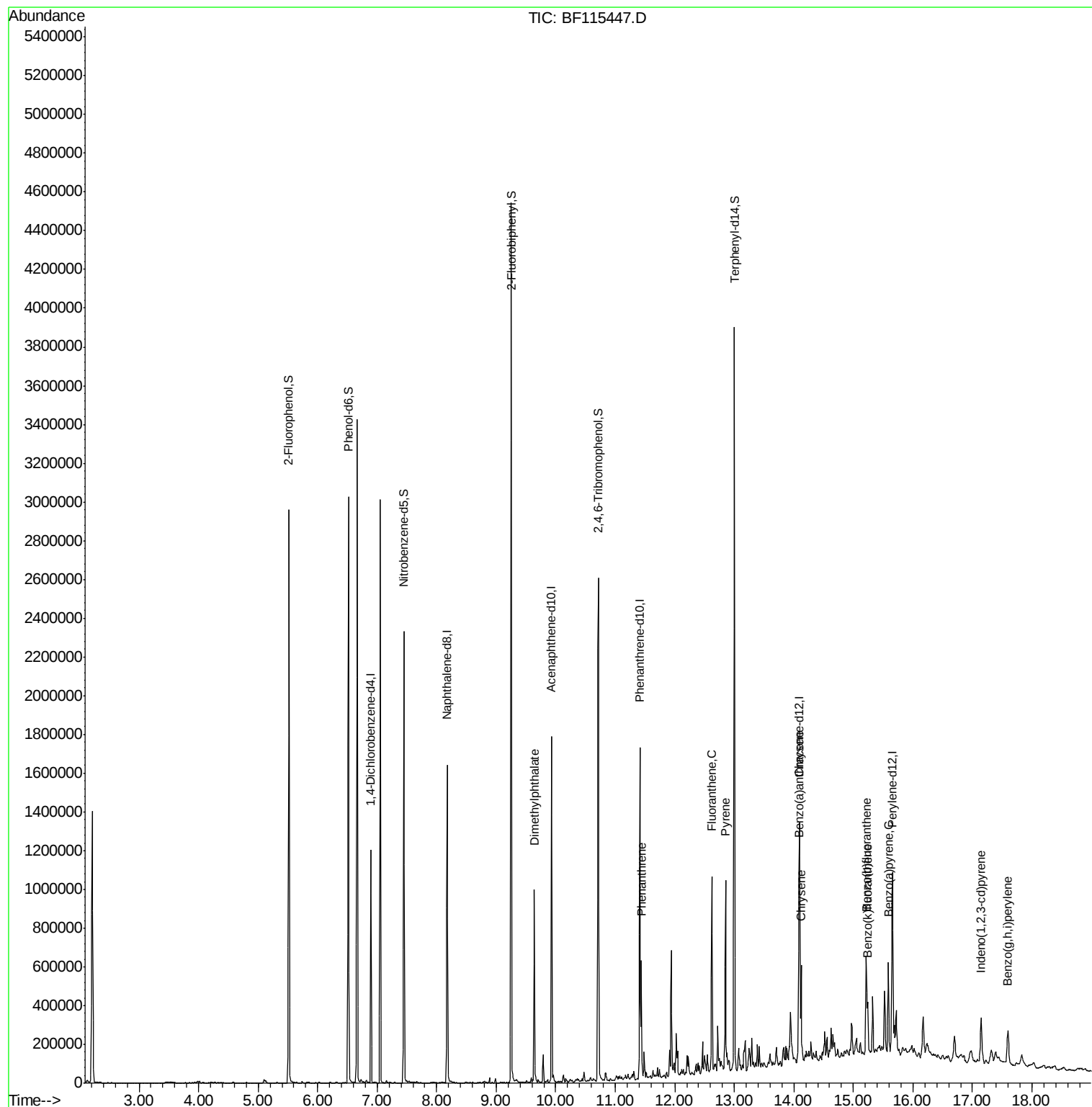
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070919\
Data File : BF115447.D
Acq On : 9 Jul 2019 21:39
Operator : HP/JU
Sample : K3697-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

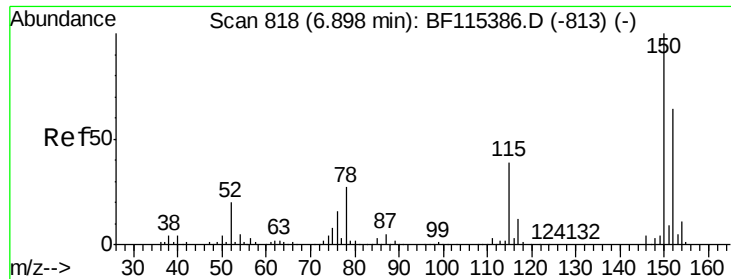
Instrument :
BNA_F
ClientSampleId :
72-12000

Manual Integrations
APPROVED

mohammad
7/10/2019 6:17:02 PM

Quant Time: Jul 10 08:43:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 16:29:09 2019
Response via : Initial Calibration





#1

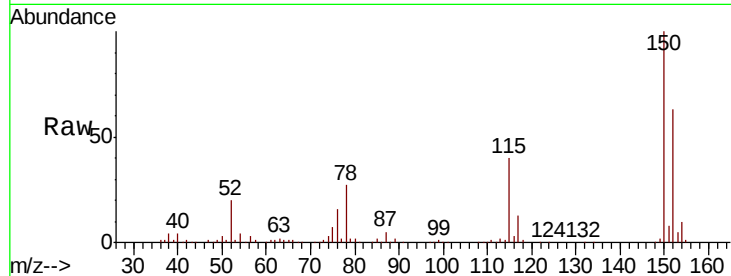
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Instrument :
BNA_F
ClientSampleId :
72-12000

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.5	189.7
115	63.2	48.6	73.0

Manual Integrations
APPROVED

mohammad
7/10/2019 6:17:02 PM

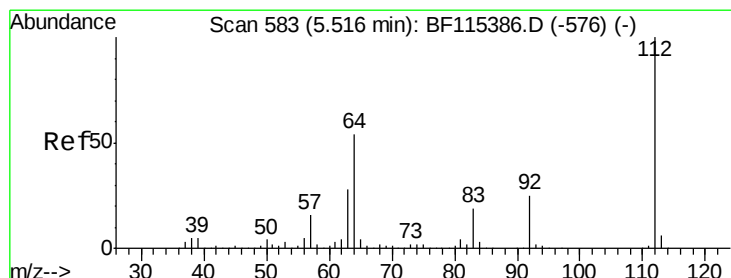
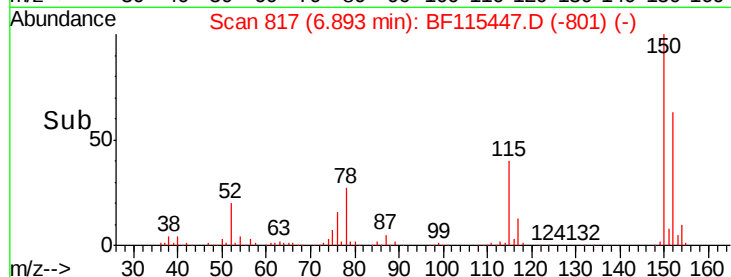
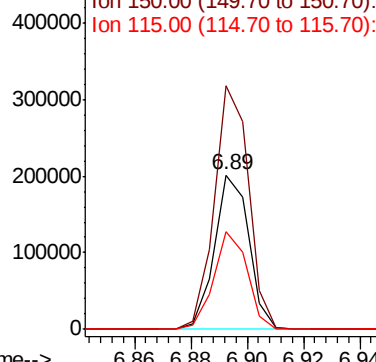


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

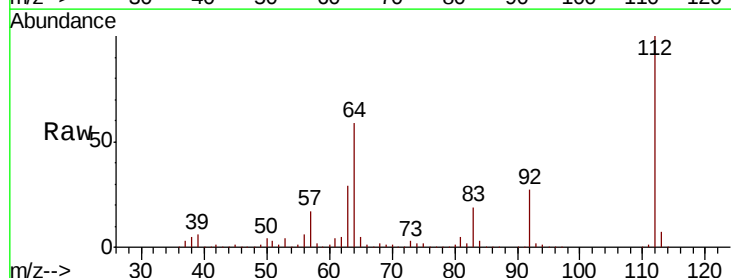
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.424 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.0	70.4
63	29.5	23.7	35.5

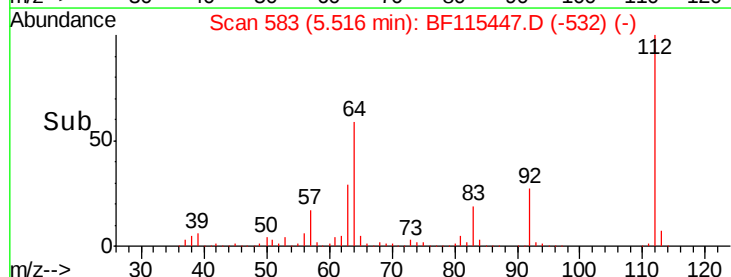
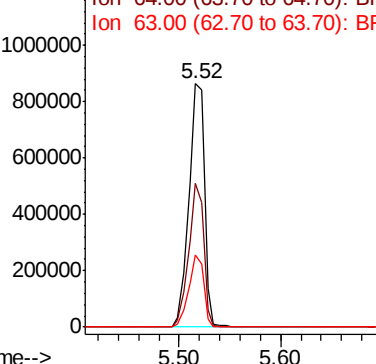


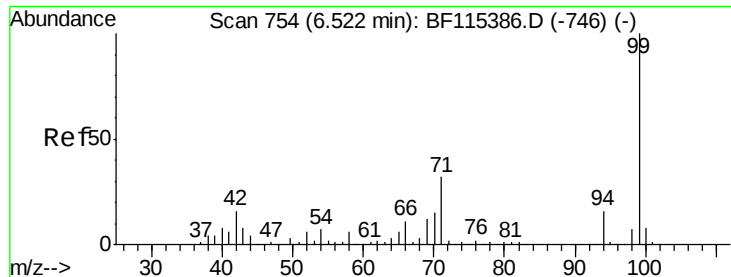
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.666 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF115447.D

Acq: 9 Jul 2019 21:39

Instrument :

BNA_F

ClientSampled :

72-12000

Tot Ion: 99 Resp: 1211104

Ion Ratio Lower Upper

99 100

42 15.6 12.7 19.1

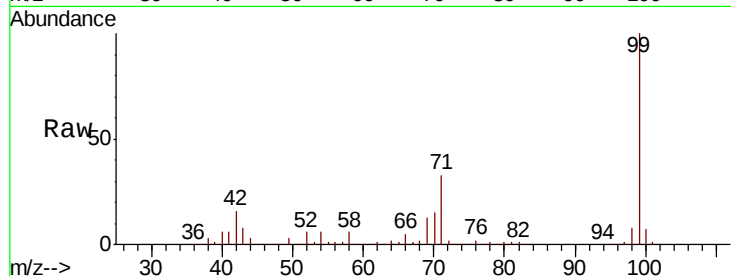
71 32.8 26.2 39.2

Manual Integrations

APPROVED

mohammad

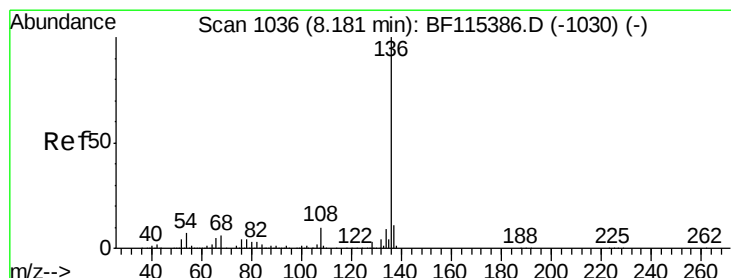
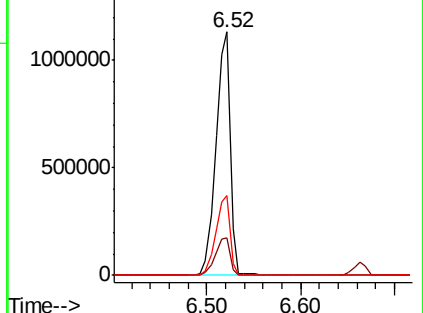
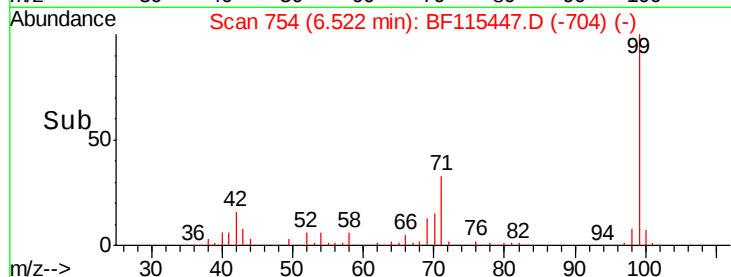
7/10/2019 6:17:02 PM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF115447.D

Acq: 9 Jul 2019 21:39

Tgt Ion: 136 Resp: 660230

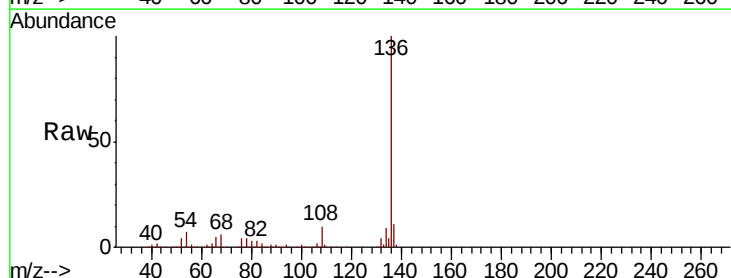
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.9 5.5 8.3

68 6.3 5.1 7.7

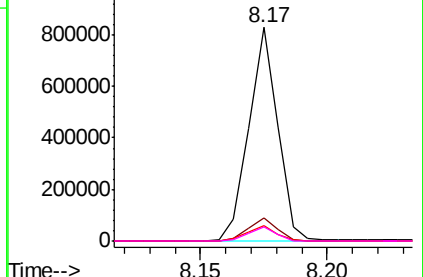
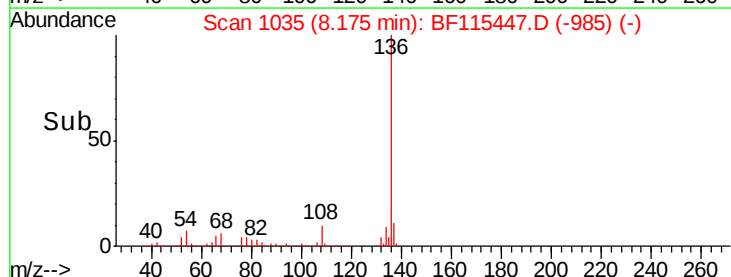


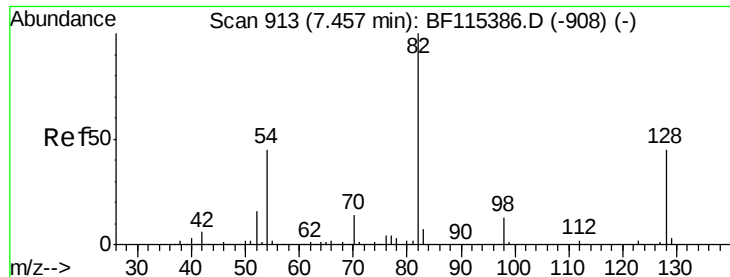
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





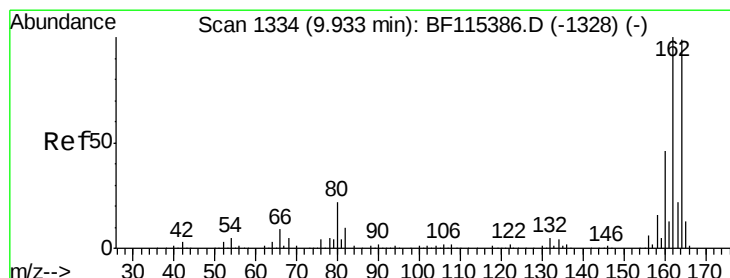
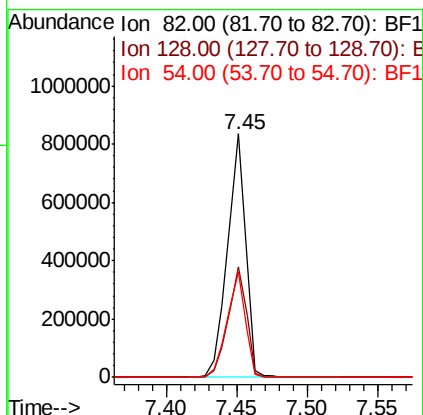
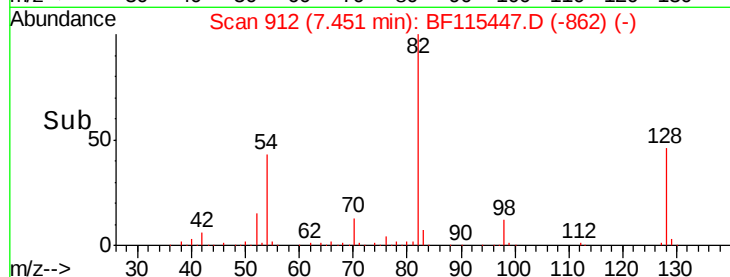
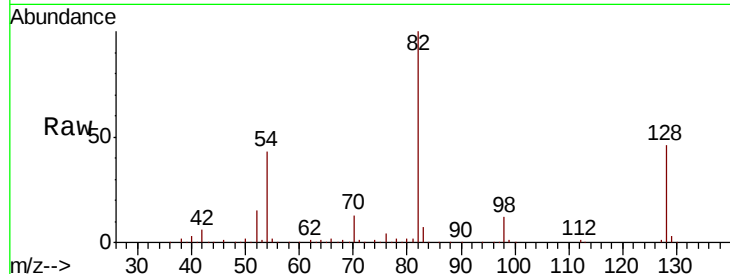
#23
Nitrobenzene-d5
Concen: 67.774 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Instrument :
BNA_F
ClientSampled :
72-12000

Tot Ion	Ratio	Resp	Lower	Upper
82	100	757349		
128	45.5	36.2	54.4	
54	43.4	35.4	53.0	

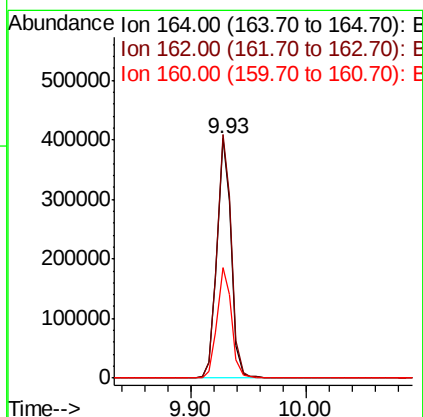
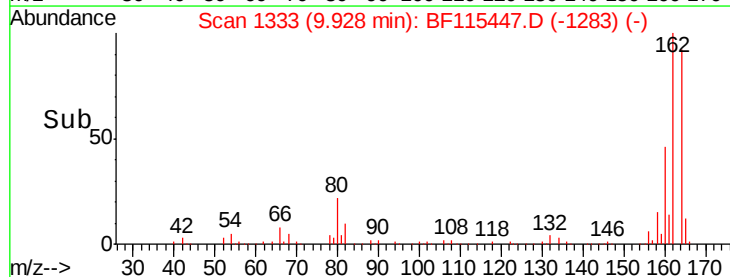
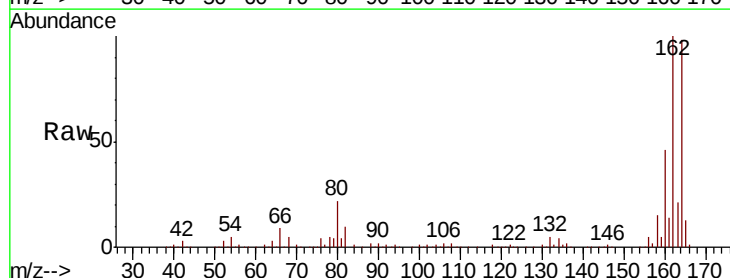
Manual Integrations
APPROVED

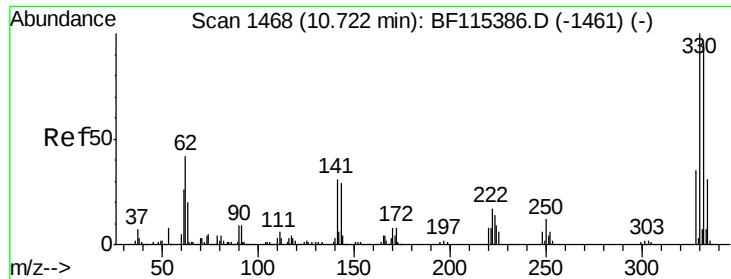
mohammad
7/10/2019 6:17:02 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	342415		
162	101.7	81.5	122.3	
160	46.4	36.6	55.0	





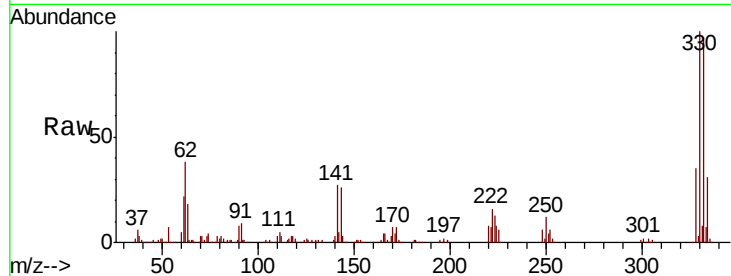
#42
 2,4,6-Tribromophenol
 Concen: 90.604 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF115447.D
 Acq: 9 Jul 2019 21:39

Instrument :
 BNA_F
 ClientSampled :
 72-12000

Tot Ion	Ratio	Resp	Lower	Upper
330	100	343026		
332	97.6	76.6	115.0	
141	31.1	25.1	37.7	

Manual Integrations
 APPROVED

mohammad
 7/10/2019 6:17:02 PM

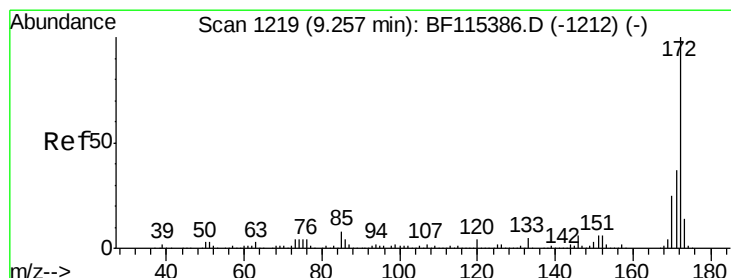
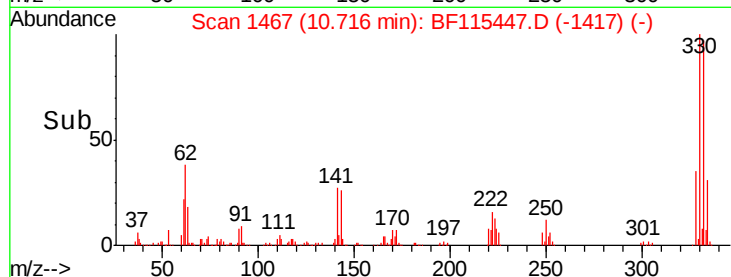
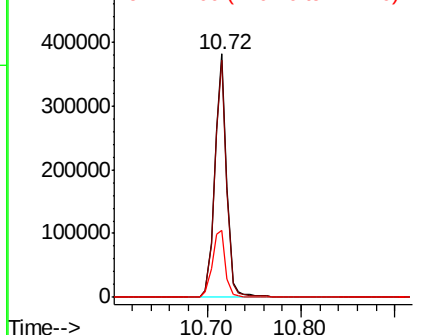


Abundance

Ion 329.80 (329.50 to 330.50): E

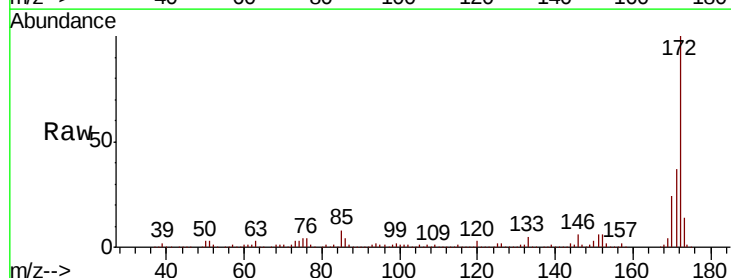
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 72.861 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF115447.D
 Acq: 9 Jul 2019 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1421778		
171	36.9	29.8	44.8	
170	24.5	19.8	29.6	

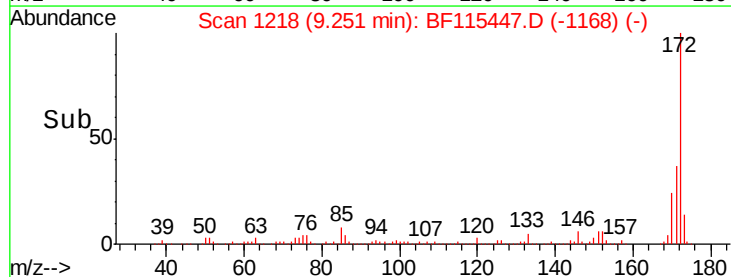
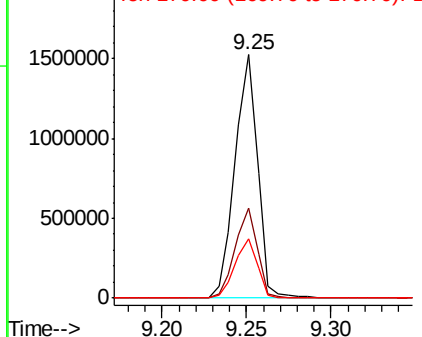


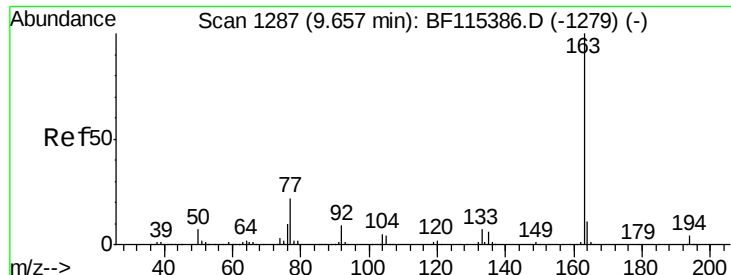
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





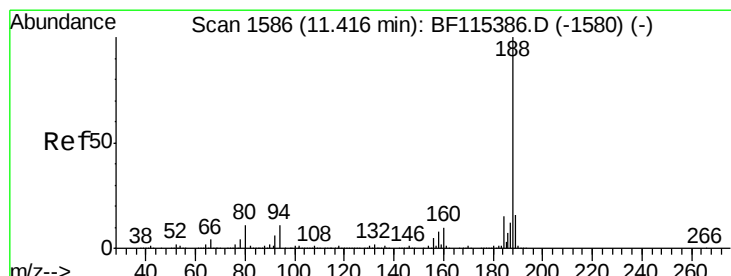
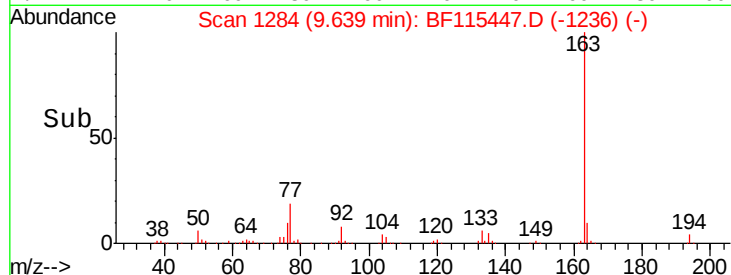
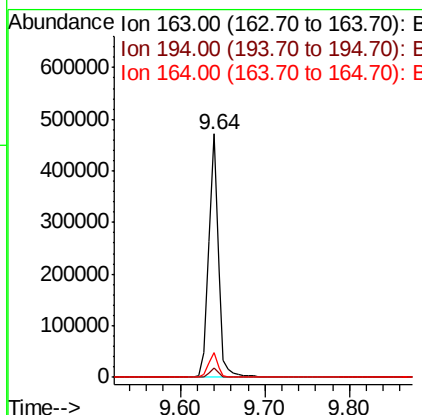
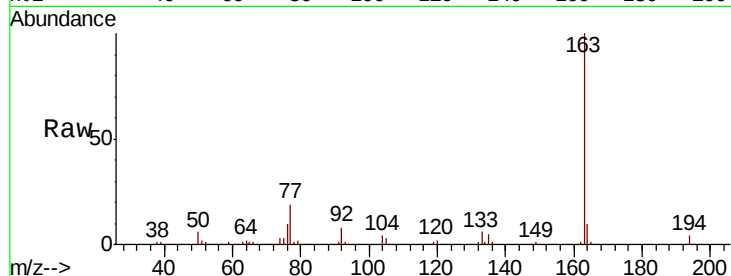
#50
Dimethylphthalate
Concen: 14.715 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Instrument :
BNA_F
ClientSampleId :
72-12000

Tot Ion	Ratio	Resp	Lower	Upper
163	100	378196		
194	3.8		3.3	4.9
164	10.2		8.5	12.7

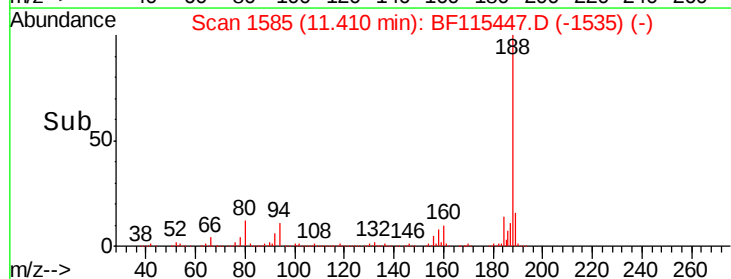
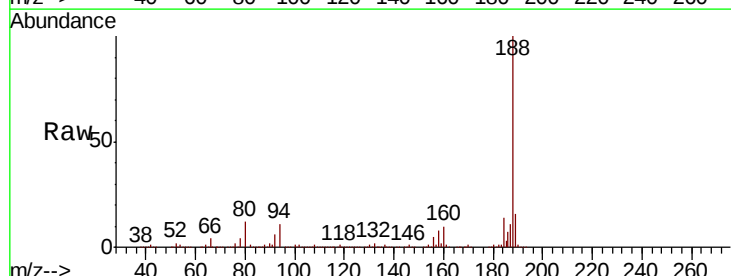
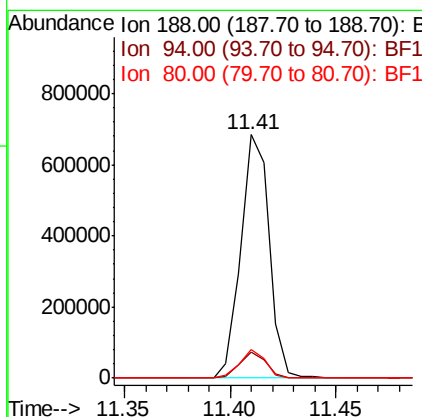
Manual Integrations
APPROVED

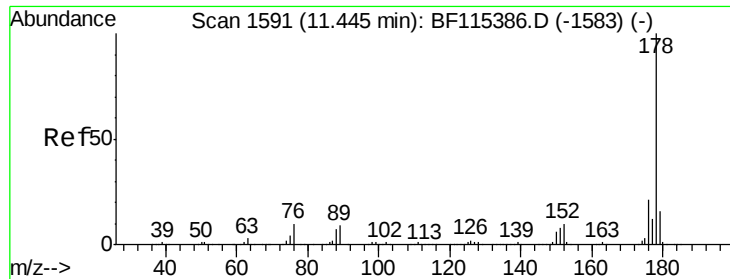
mohammad
7/10/2019 6:17:02 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	636804		
94	10.6		8.1	12.1
80	11.9		8.6	13.0





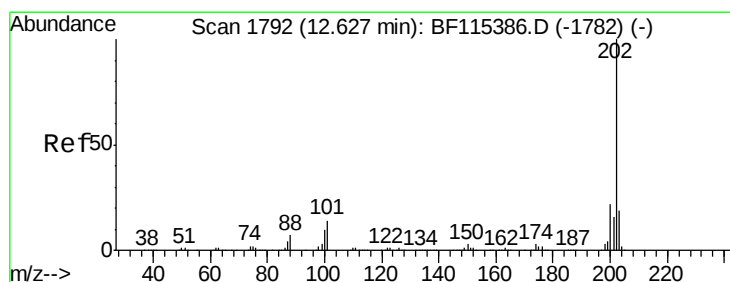
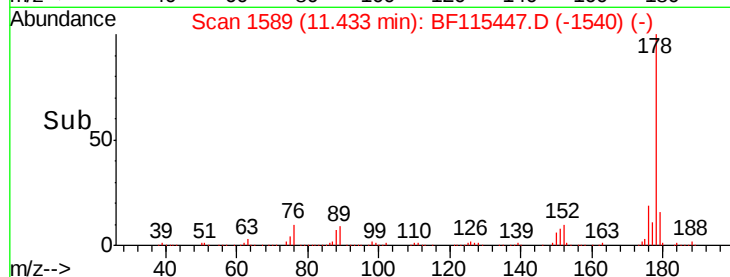
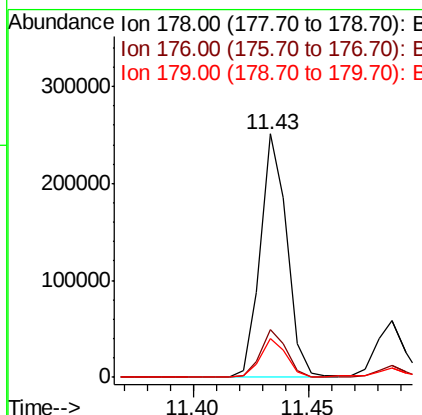
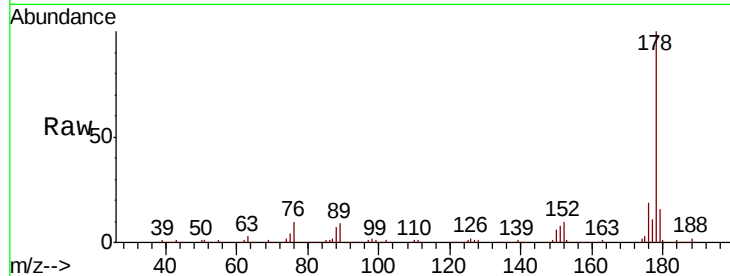
#71
Phenanthrene
Concen: 6.055 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Instrument :
BNA_F
ClientSampleId :
72-12000

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.2
179	15.8	12.9	19.3

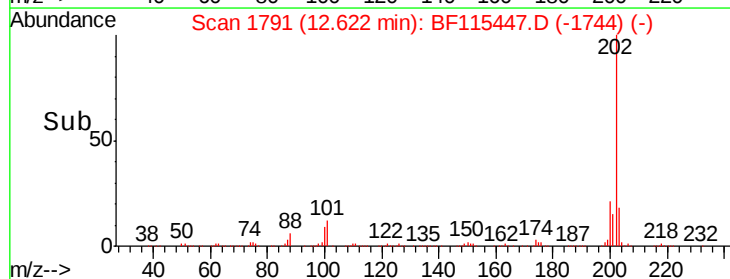
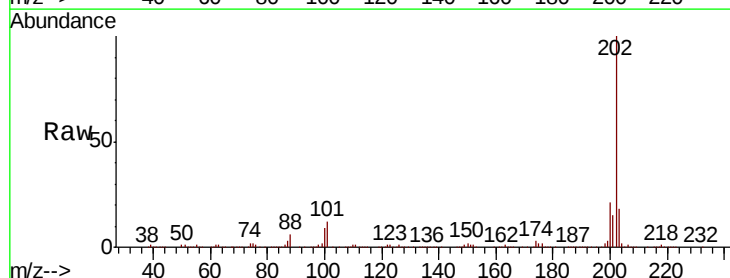
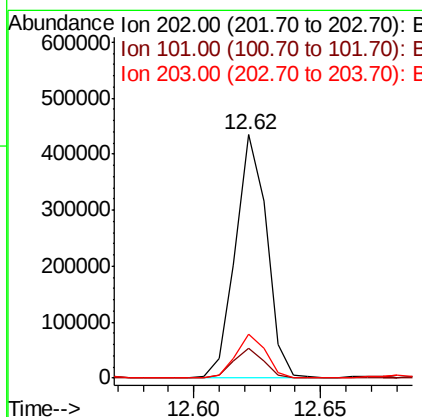
Manual Integrations
APPROVED

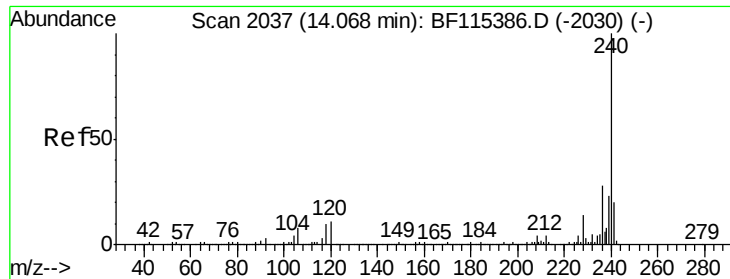
mohammad
7/10/2019 6:17:02 PM



#75
Fluoranthene
Concen: 10.588 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.02 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.8
203	17.9	0.0	38.1





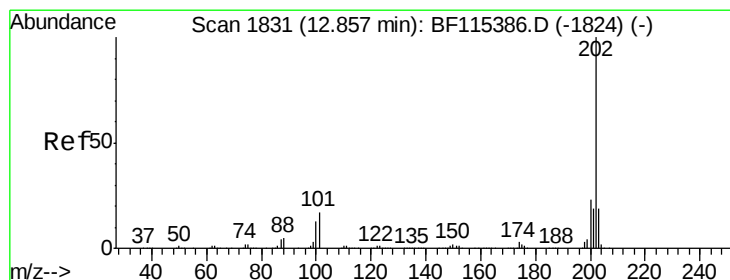
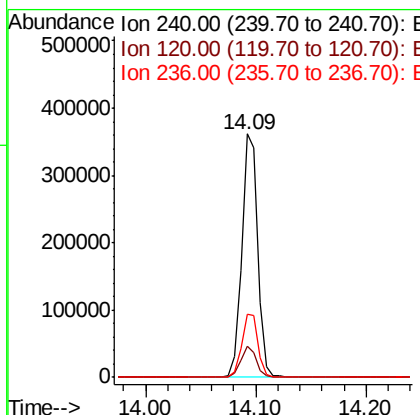
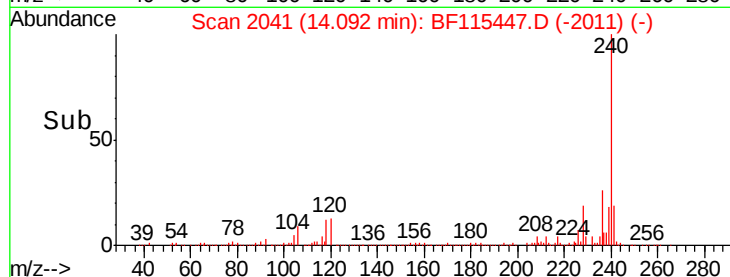
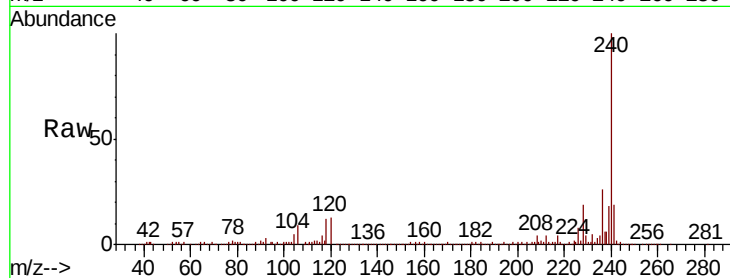
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.12 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Instrument :
BNA_F
ClientSampleID :
72-12000

Tot Ion	Ratio	Resp	Lower	Upper
240	100	365137		
120	12.6		9.6	14.4
236	25.9		21.6	32.4

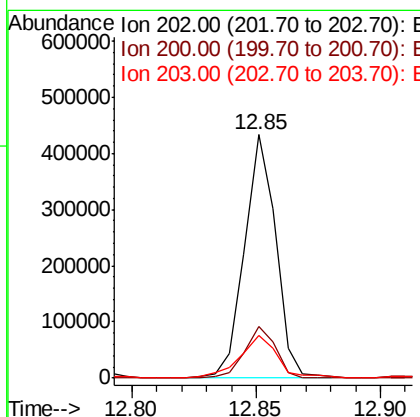
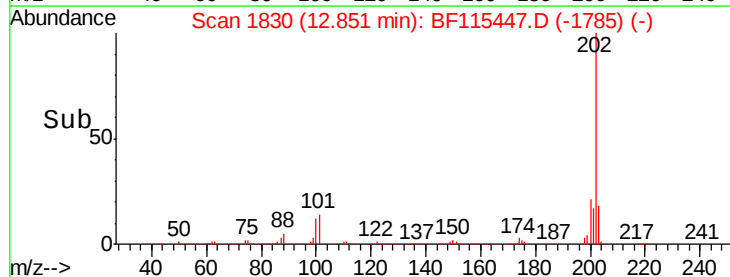
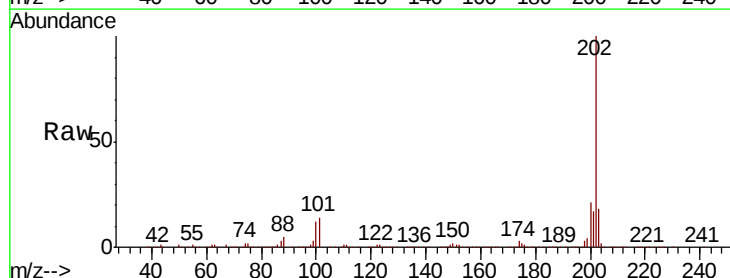
Manual Integrations
APPROVED

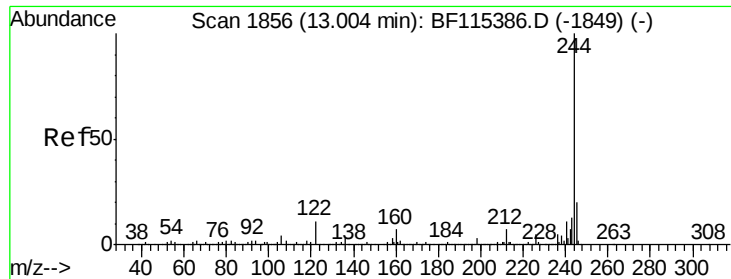
mohammad
7/10/2019 6:17:02 PM



#78
Pyrene
Concen: 13.399 ng m
RT: 12.85 min Scan# 1830
Delta R.T. -0.04 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	380466		
200	21.2		18.2	27.4
203	17.8		14.7	22.1





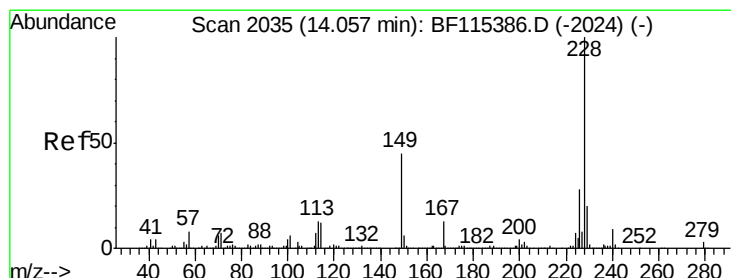
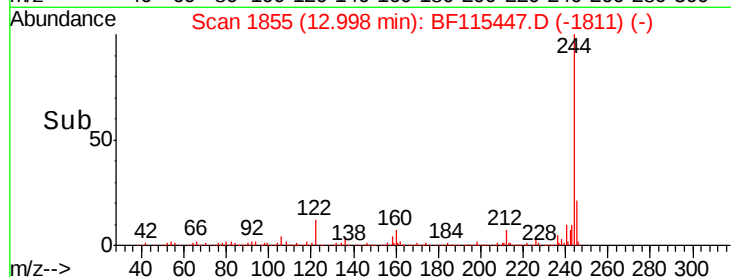
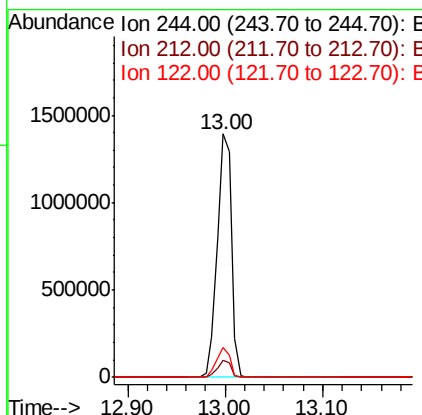
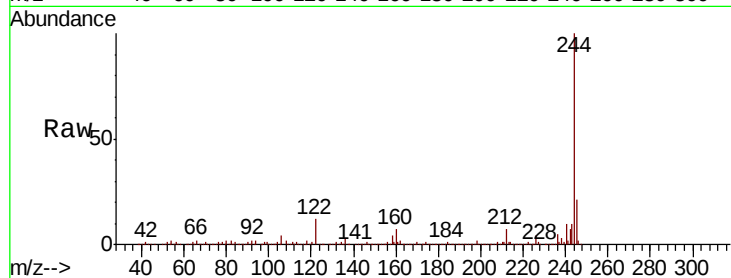
#79
 Terphenyl-d14
 Concen: 79.206 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. -0.04 min
 Lab File: BF115447.D
 Acq: 9 Jul 2019 21:39

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	12.5	9.3	13.9

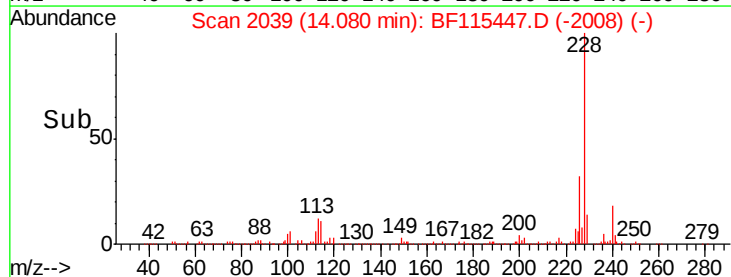
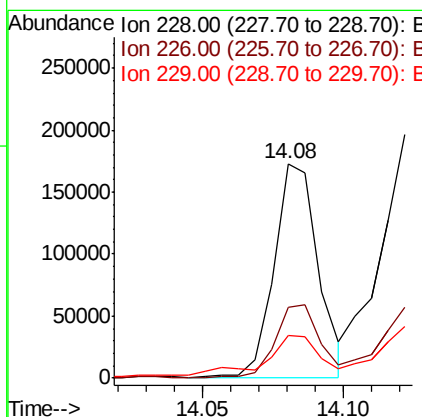
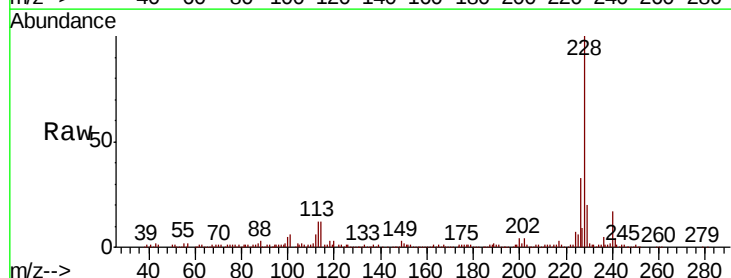
Manual Integrations
 APPROVED

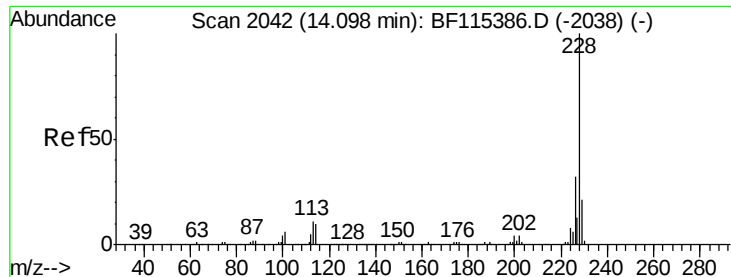
mohammad
 7/10/2019 6:17:02 PM



#81
 Benzo(a)anthracene
 Concen: 7.927 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. -0.12 min
 Lab File: BF115447.D
 Acq: 9 Jul 2019 21:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.5	33.7
229	19.7	16.4	24.6





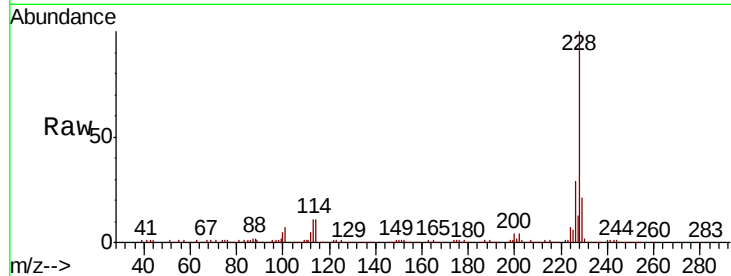
#83
Chrysene
Concen: 8.720 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.12 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Instrument :
BNA_F
ClientSampleId :
72-12000

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.4
229	21.1	16.2	24.4

Manual Integrations
APPROVED

mohammad
7/10/2019 6:17:02 PM

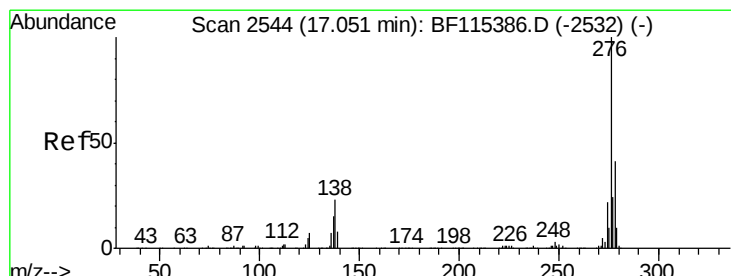
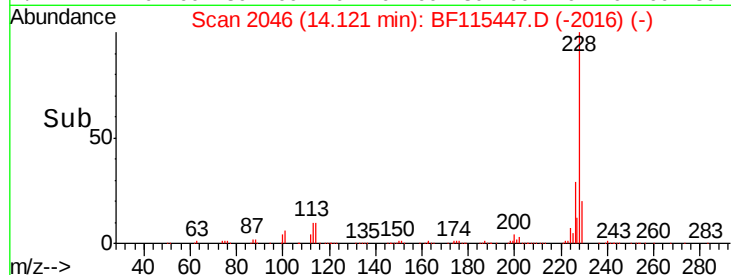
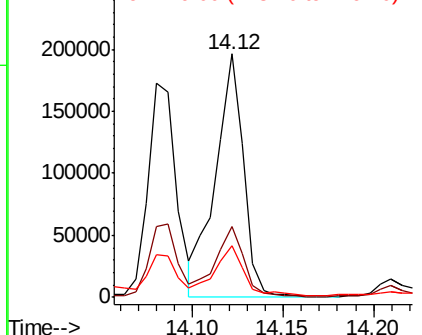


Abundance

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



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.108 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.26 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

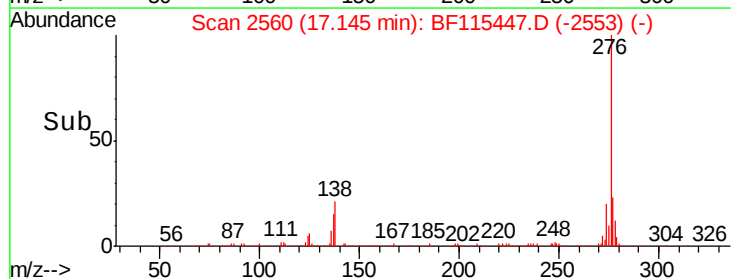
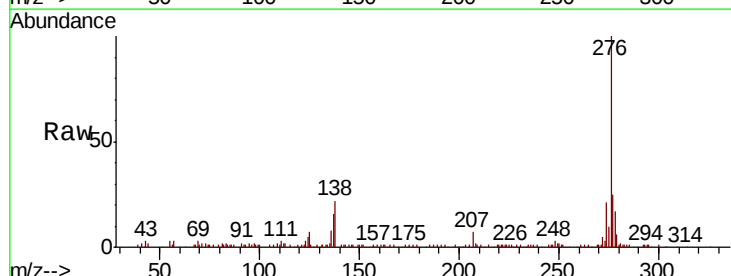
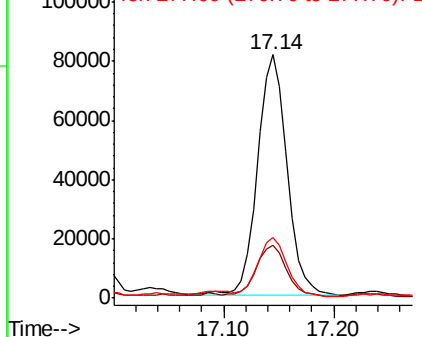
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.3	20.8	31.2
277	24.7	20.2	30.4

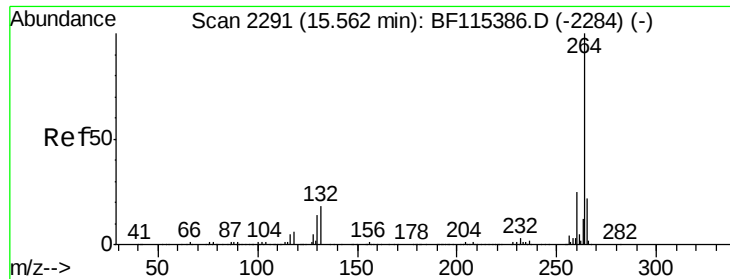
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





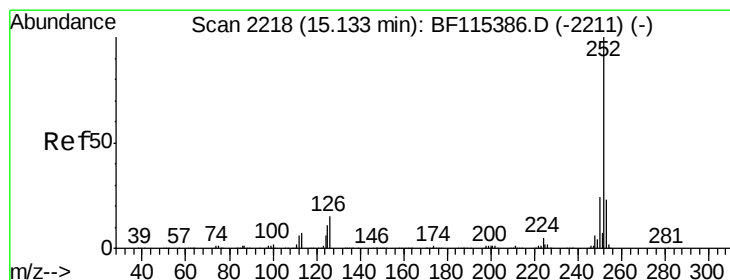
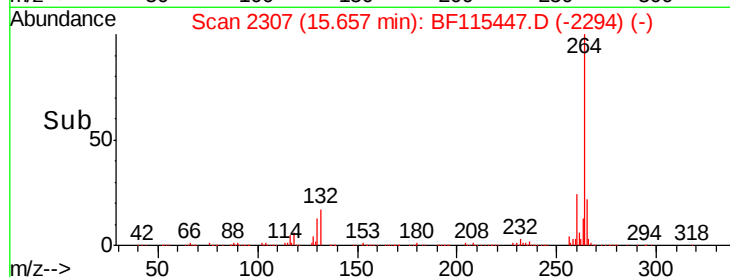
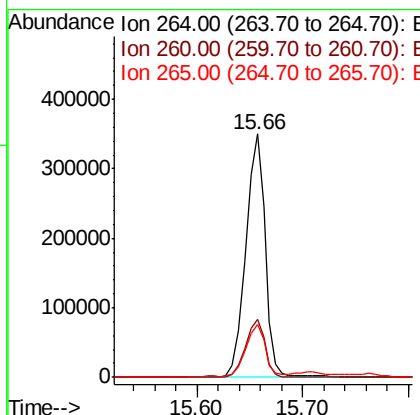
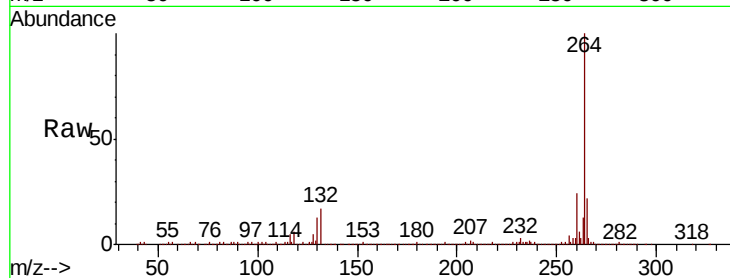
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.22 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Instrument :
BNA_F
ClientSampleId :
72-12000

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.8	17.2	25.8

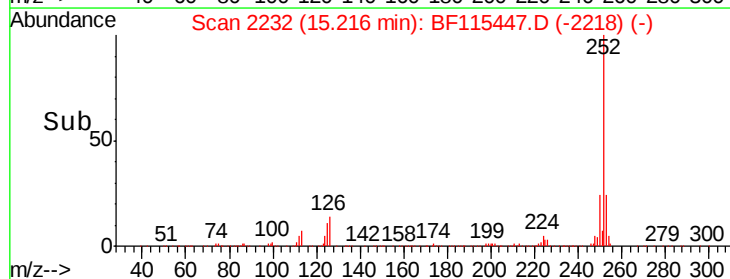
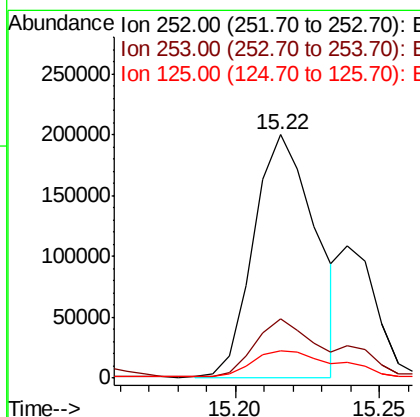
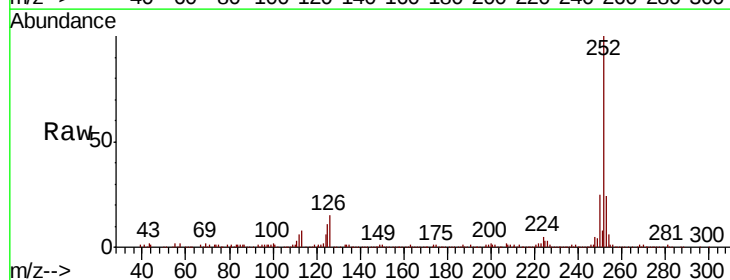
Manual Integrations
APPROVED

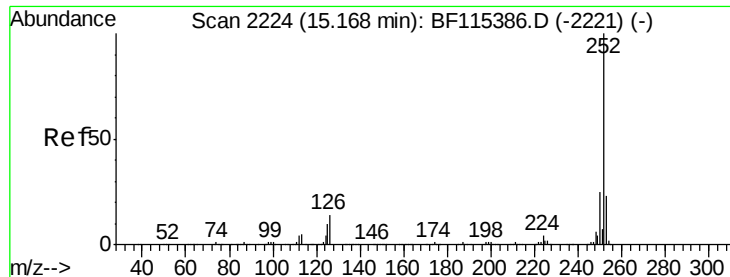
mohammad
7/10/2019 6:17:02 PM



#88
Benzo(b)fluoranthene
Concen: 10.331 ng m
RT: 15.22 min Scan# 2232
Delta R.T. -0.22 min
Lab File: BF115447.D
Acq: 9 Jul 2019 21:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	11.4	9.0	13.6





#89

Benzo(k)fluoranthene

Concen: 3.712 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.23 min

Lab File: BF115447.D

Acq: 9 Jul 2019 21:39

Instrument :

BNA_F

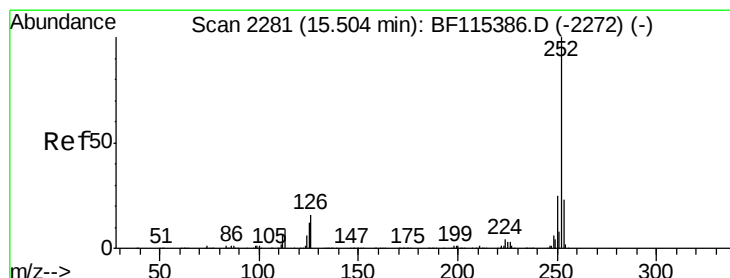
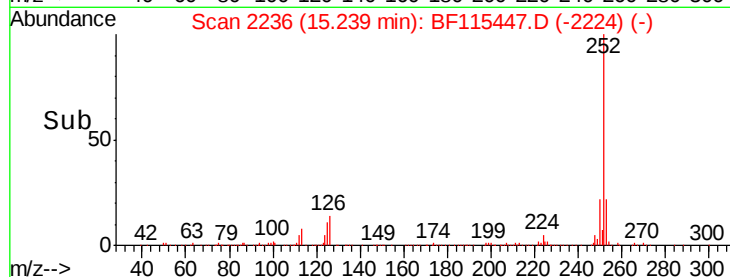
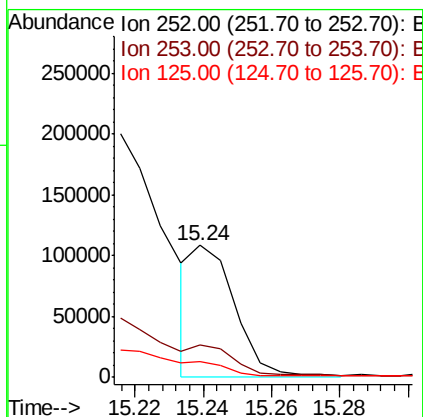
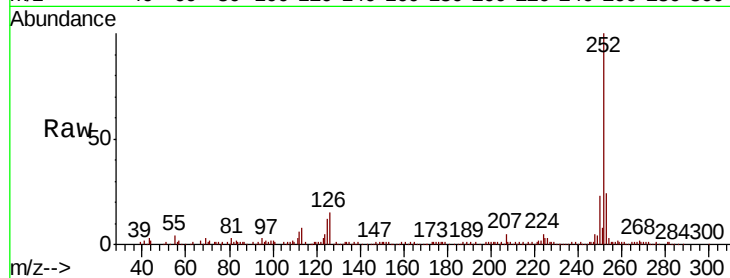
ClientSampled :

72-12000

Tot Ion:	252	Resp:	96176
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.5	27.7
125	11.6	9.0	13.6

Manual Integrations
APPROVED

mohammad
7/10/2019 6:17:02 PM



#90

Benzo(a)pyrene

Concen: 8.762 ng

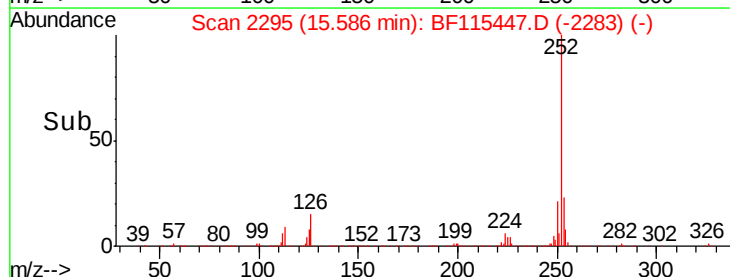
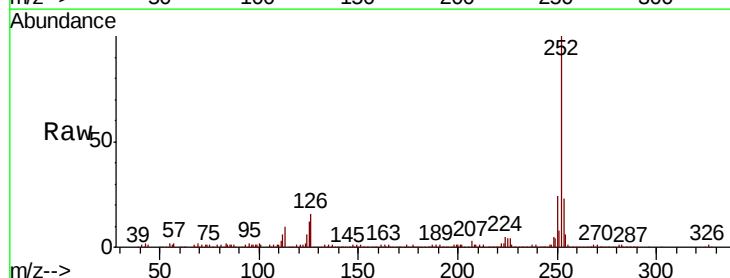
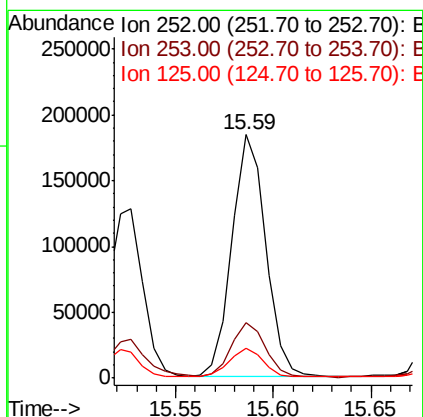
RT: 15.59 min Scan# 2295

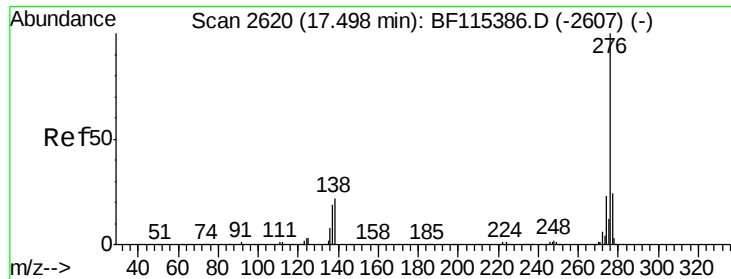
Delta R.T. -0.23 min

Lab File: BF115447.D

Acq: 9 Jul 2019 21:39

Tgt Ion:	252	Resp:	220187
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	12.4	10.0	15.0





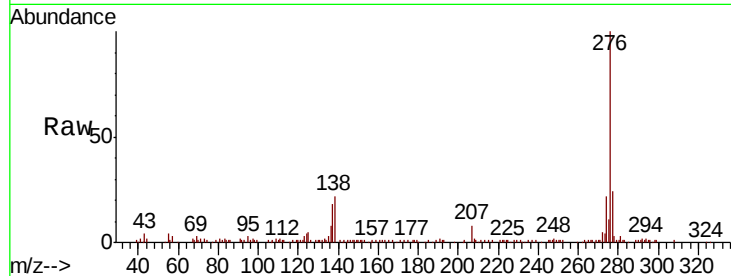
#92
 Benzo(a,h,i)perylene
 Concen: 7.200 ng
 RT: 17.60 min Scan# 2637
 Delta R.T. -0.26 min
 Lab File: BF115447.D
 Acq: 9 Jul 2019 21:39

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Tot Ion:	276	Resp:	146348
Ion Ratio		Lower	Upper
276	100		
277	24.0	18.9	28.3
138	22.3	17.8	26.8

Manual Integrations
 APPROVED

mohammad
 7/10/2019 6:17:02 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

