

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070519\
 Data File : BF115395.D
 Acq On : 5 Jul 2019 18:09
 Operator : HP/JU
 Sample : K3622-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-070319-B

Manual Integrations
 APPROVED

mohammad
 7/8/2019 2:13:03 PM

Quant Time: Jul 06 05:50:44 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 05 14:57:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	164135	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	657958	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	321858	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	558398	20.00	ng	0.00
76) Chrysene-d12	14.05	240	409611	20.00	ng	-0.02
87) Perylene-d12	15.53	264	392458	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	500906	47.15	ng	0.00
7) Phenol-d6	6.51	99	677674	50.16	ng	-0.01
23) Nitrobenzene-d5	7.45	82	395903	35.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	168288	47.29	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	792356	43.20	ng	0.00
79) Terphenyl-d14	12.99	244	750420	37.51	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.64	163	90524	3.747	ng	99
71) Phenanthrene	11.43	178	240843	8.201	ng	97
72) Anthracene	11.49	178	72495	2.462	ng	98
75) Fluoranthene	12.62	202	342793	11.086	ng	97
78) Pyrene	12.85	202	335033	10.518	ng	98
81) Benzo(a)anthracene	14.04	228	173344	6.605	ng	94
83) Chrysene	14.07	228	156340	5.798	ng	95
88) Benzo(b)fluoranthene	15.09	252	194747m	7.621	ng	
89) Benzo(k)fluoranthene	15.12	252	73547m	3.236	ng	
90) Benzo(a)pyrene	15.46	252	134331	6.095	ng	97
92) Benzo(g,h,i)perylene	17.44	276	64210	3.602	ng	96

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

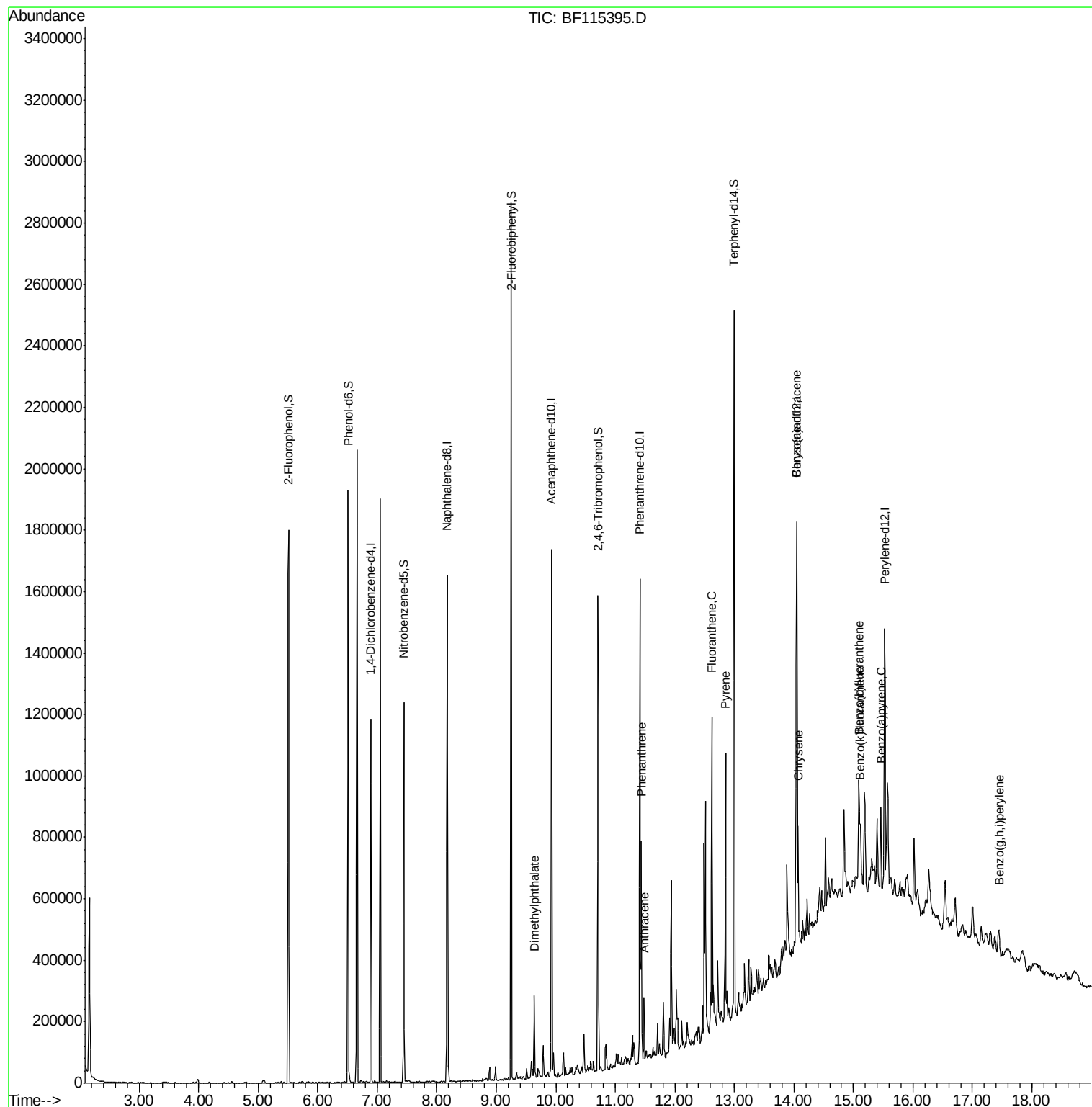
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070519\
Data File : BF115395.D
Acq On : 5 Jul 2019 18:09
Operator : HP/JU
Sample : K3622-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

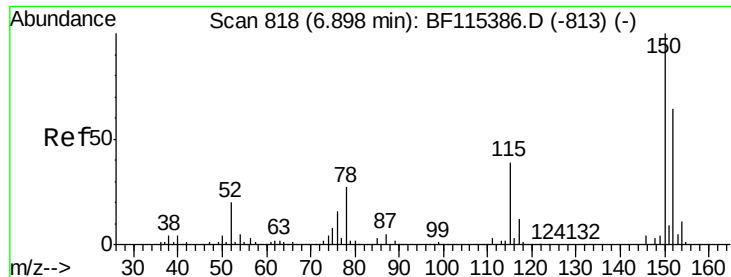
Instrument :
BNA_F
ClientSampleId :
OR-02-070319-B

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:03 PM

Quant Time: Jul 06 05:50:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 14:57:35 2019
Response via : Initial Calibration





#1

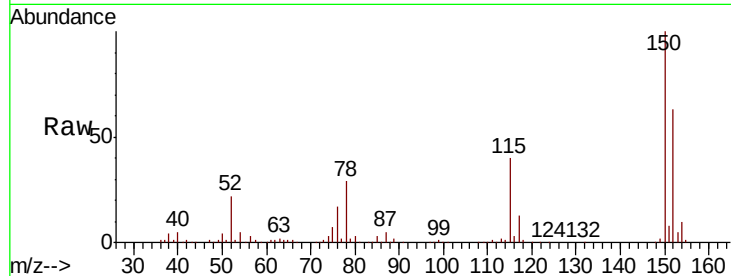
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF115395.D
Acq: 5 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.7	187.1
115	63.9	48.1	72.1

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:03 PM

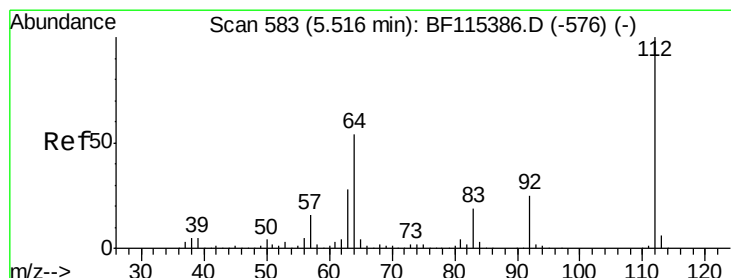
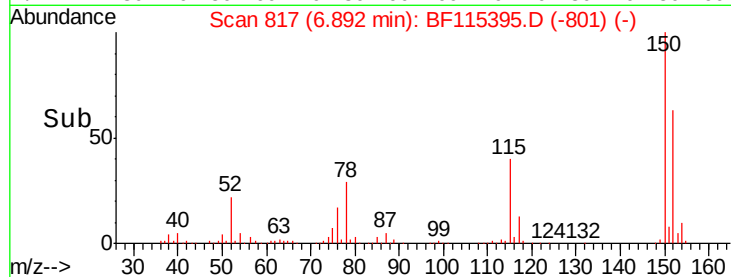
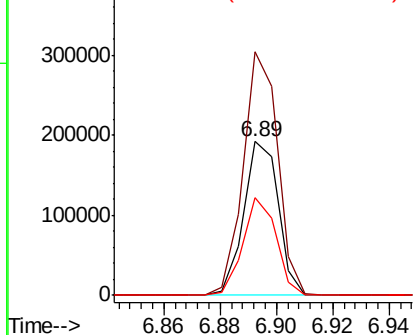


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

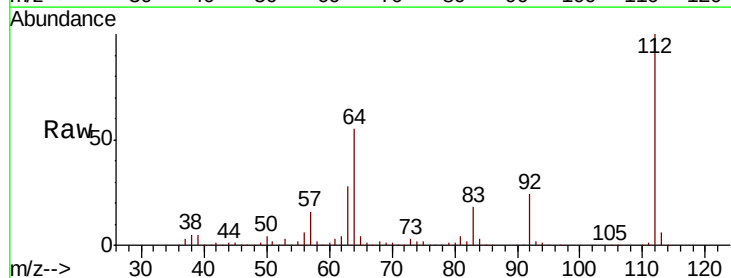
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.151 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.01 min
Lab File: BF115395.D
Acq: 5 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.0	64.6
63	28.1	22.2	33.2

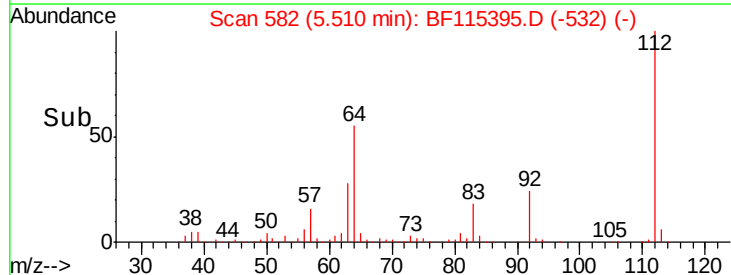
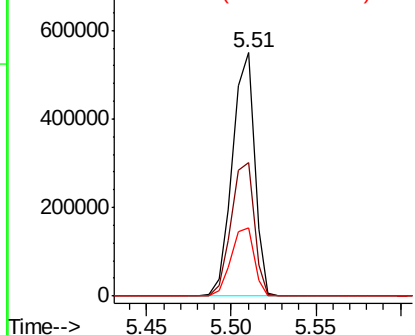


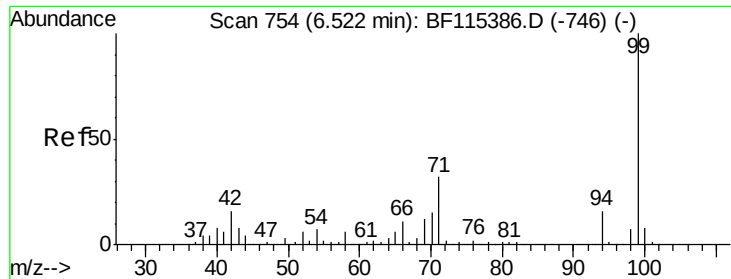
Abundance

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: 50.158 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Instrument :

BNA_F

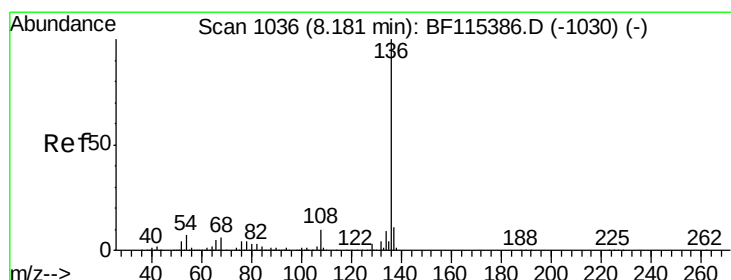
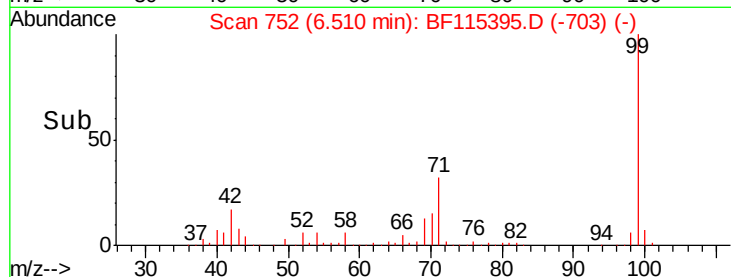
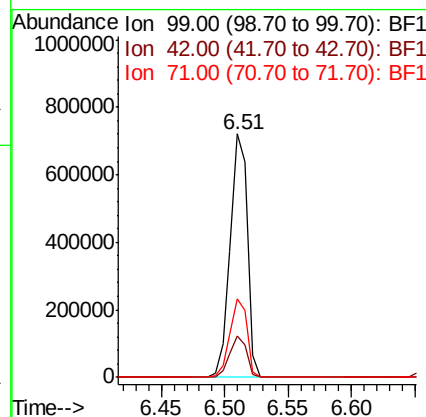
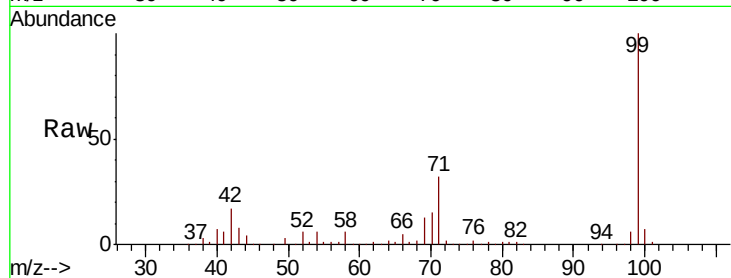
ClientSampleId :

OR-02-070319-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		677674		
42	17.0	13.1	19.7		
71	32.4	25.9	38.9		

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:03 PM



#21

Naphthalene-d8

Concen: 20.000 ng

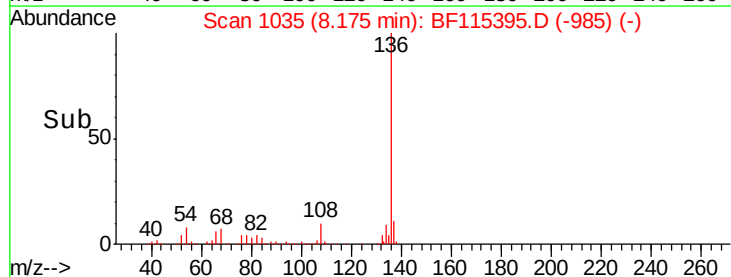
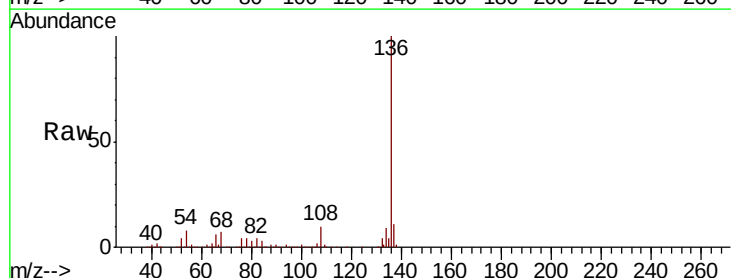
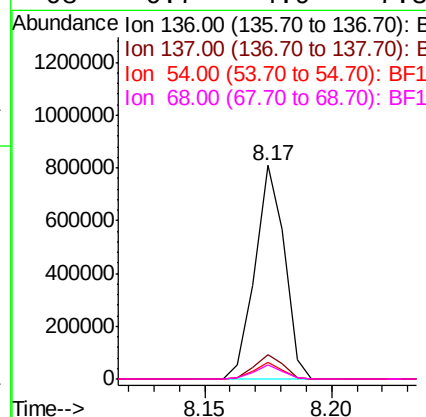
RT: 8.17 min Scan# 1035

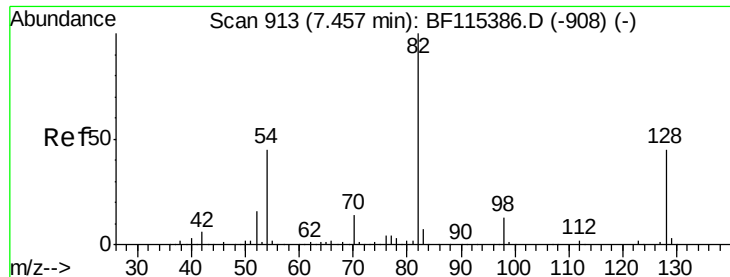
Delta R.T. -0.01 min

Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		657958		
137	11.4	8.9	13.3		
54	7.6	5.6	8.4		
68	6.7	4.9	7.3		





#23

Nitrobenzene-d5

Concen: 35.551 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Instrument :

BNA_F

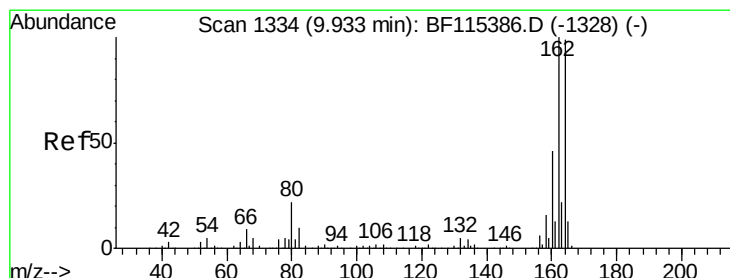
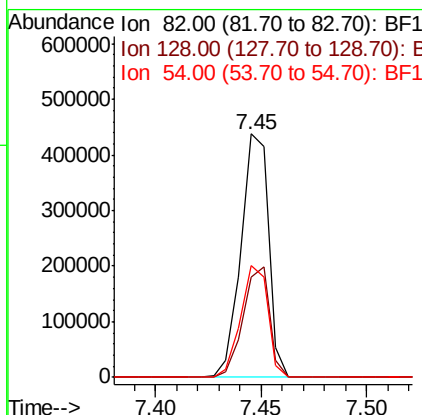
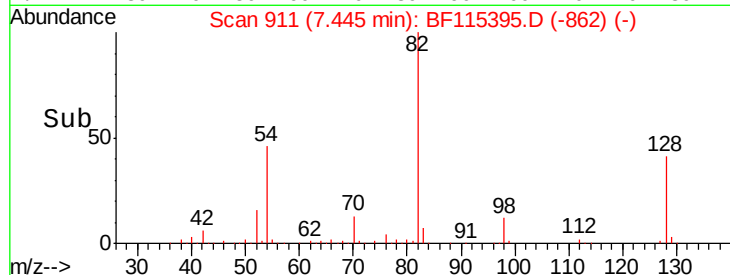
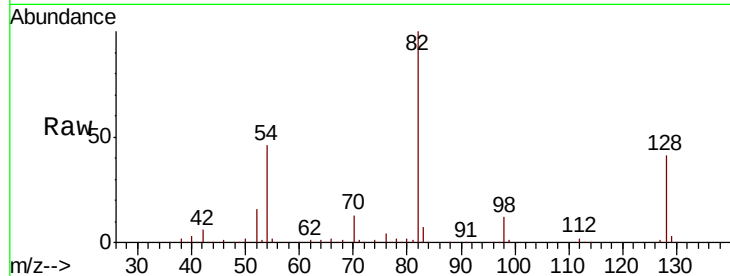
ClientSampleId :

OR-02-070319-B

Tot Ion	82	Resp	395903
Ion Ratio	Lower	Upper	
82	100		
128	41.2	35.7	53.5
54	46.1	36.3	54.5

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:03 PM



#39

Acenaphthene-d10

Concen: 20.000 ng

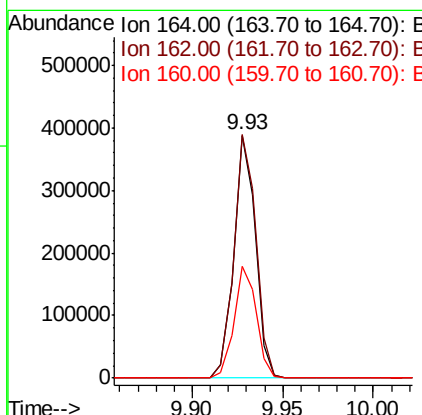
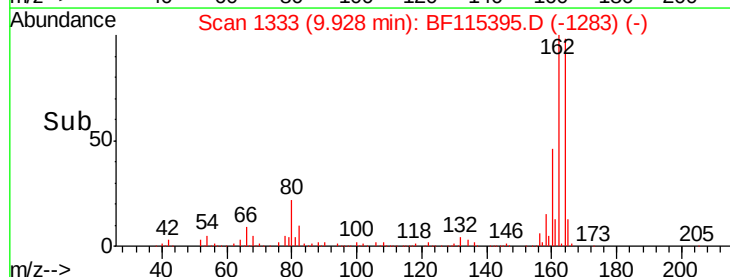
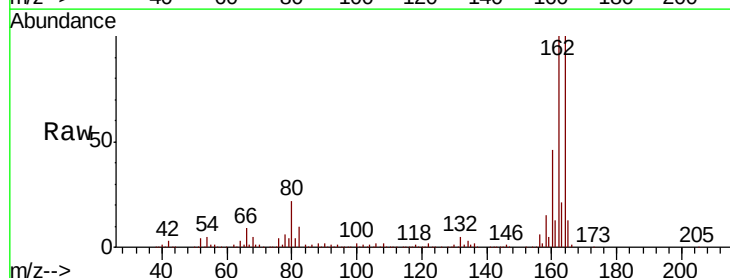
RT: 9.93 min Scan# 1333

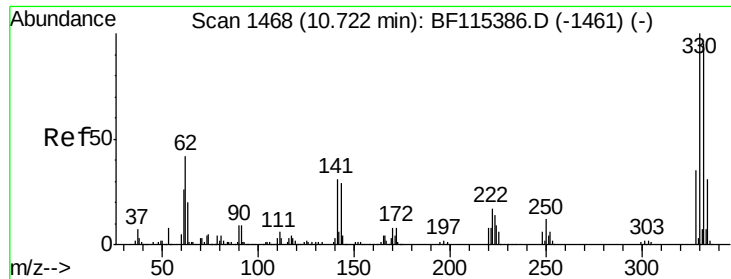
Delta R.T. -0.01 min

Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Tgt Ion	164	Resp	321858
Ion Ratio	Lower	Upper	
164	100		
162	100.4	80.6	121.0
160	46.1	37.0	55.6





#42

2,4,6-Tribromophenol

Concen: 47.289 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Instrument :

BNA_F

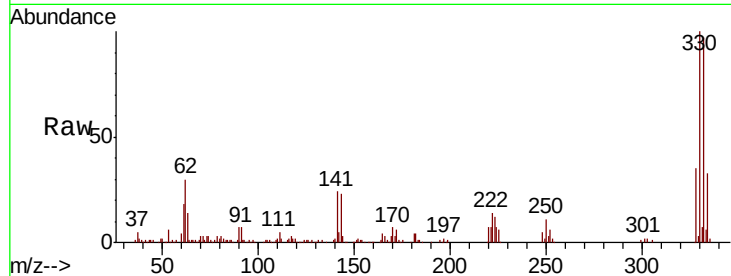
ClientSampleId :

OR-02-070319-B

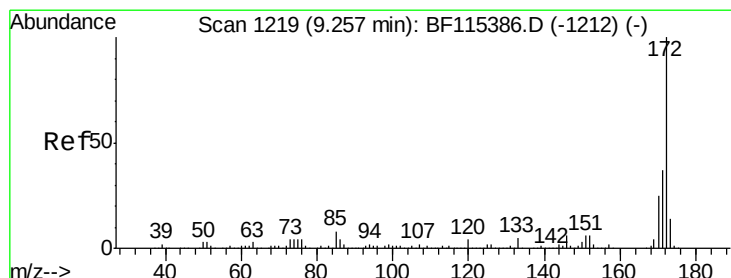
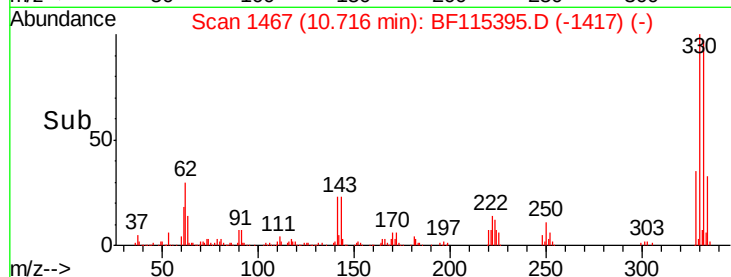
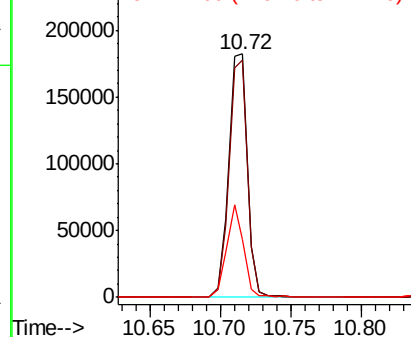
Tot Ion:	330	Resp:	168288
Ion Ratio	Lower	Upper	
330	100		
332	95.8	76.3	114.5
141	33.3	27.0	40.4

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:03 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: 43.199 ng

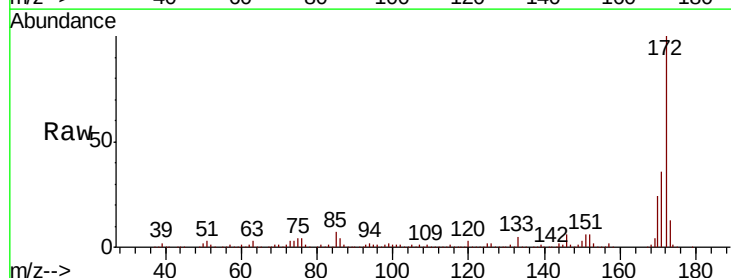
RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

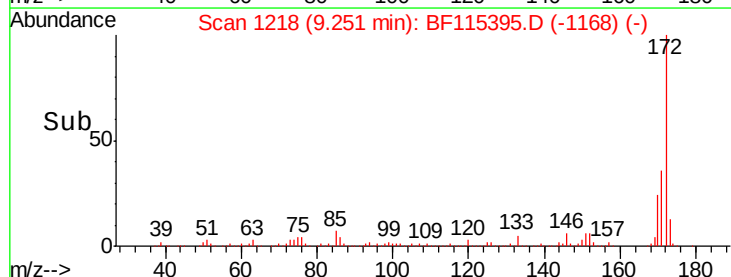
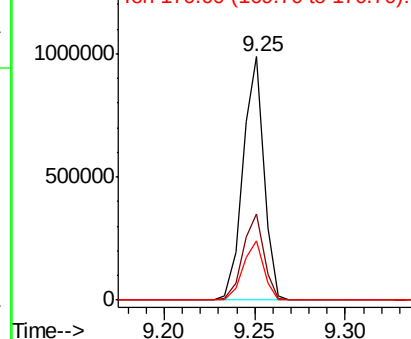
Lab File: BF115395.D

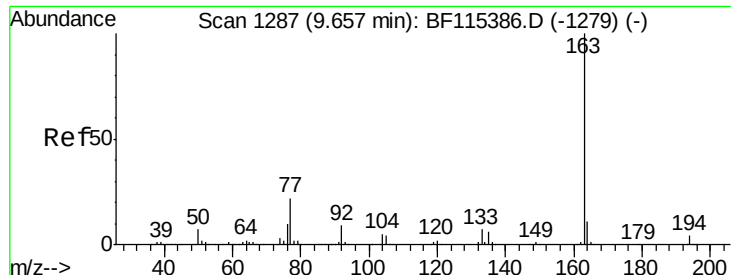
Acq: 5 Jul 2019 18:09

Tgt Ion:	172	Resp:	792356
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.8	44.8
170	24.4	20.2	30.4



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





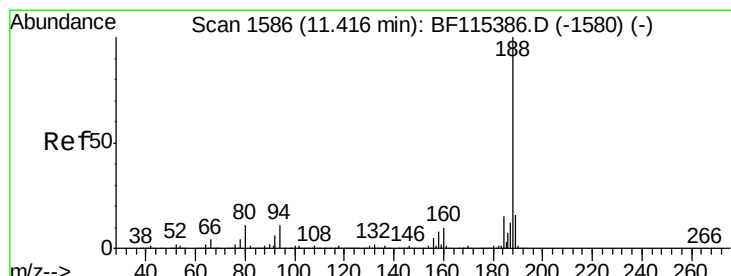
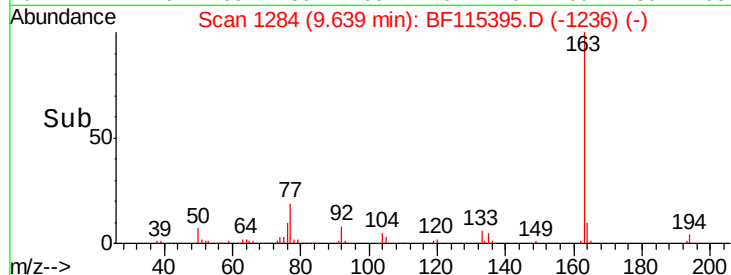
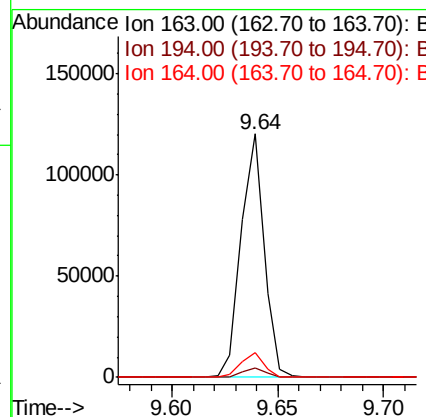
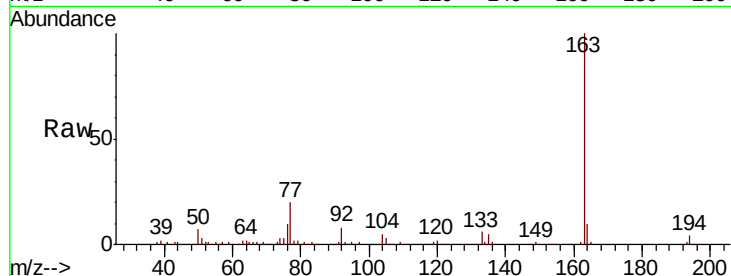
#50
Dimethylphthalate
Concen: 3.747 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF115395.D
Acq: 5 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	90524		
194	4.0		3.2	4.8
164	10.3		8.5	12.7

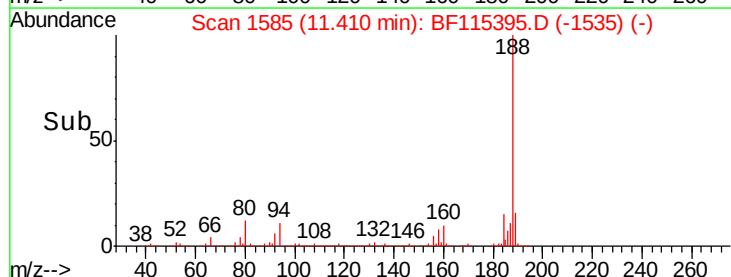
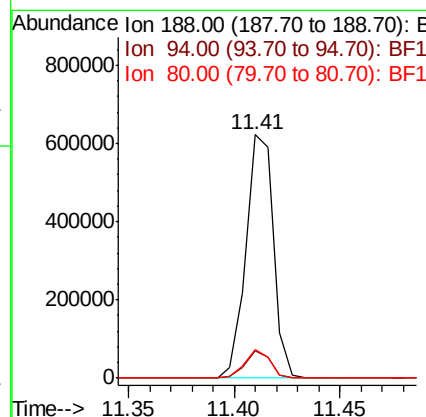
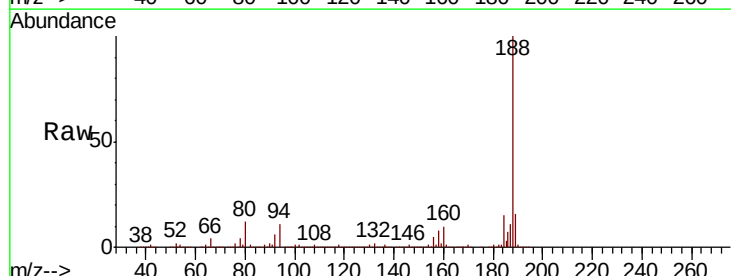
Manual Integrations
APPROVED

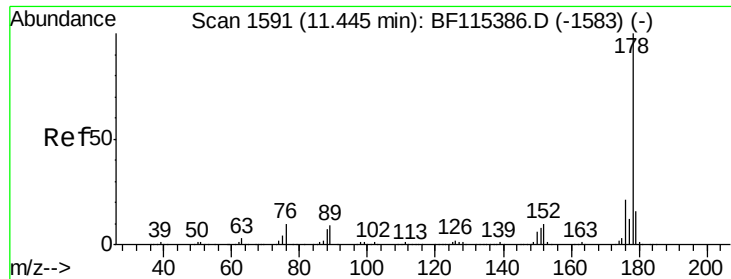
mohammad
7/8/2019 2:13:03 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF115395.D
Acq: 5 Jul 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	558398		
94	11.0		8.5	12.7
80	12.0		9.1	13.7





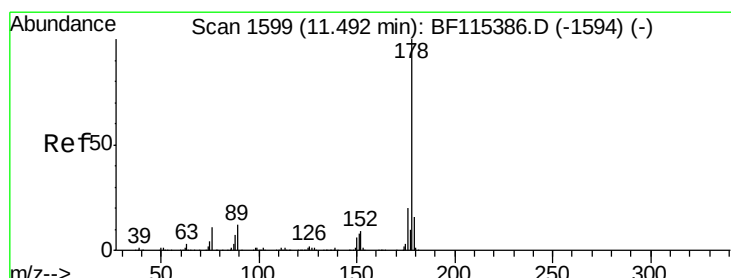
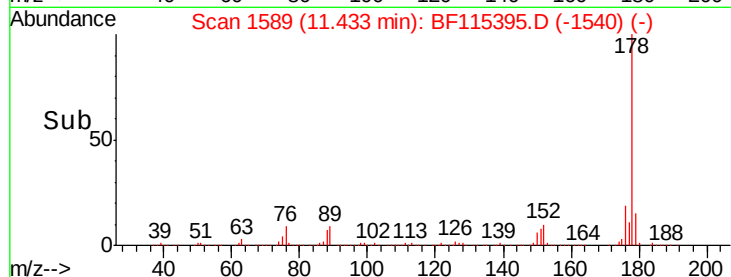
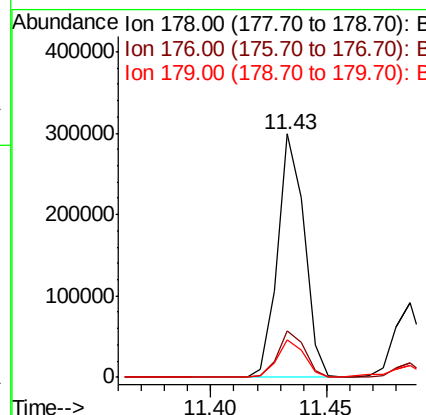
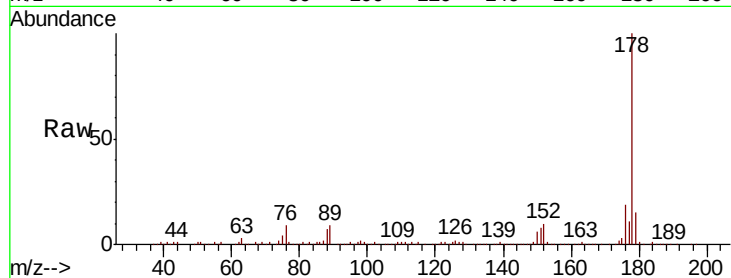
#71
Phenanthrene
Concen: 8.201 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115395.D
Acq: 5 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.6	25.0
179	15.2	13.0	19.6

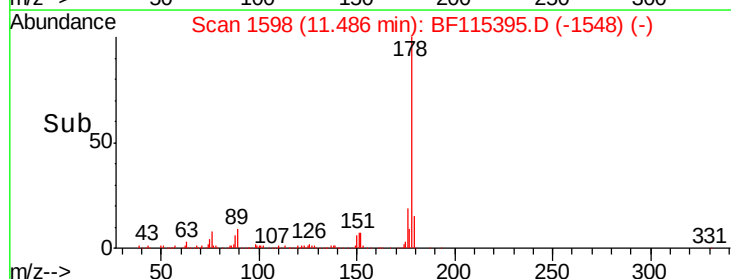
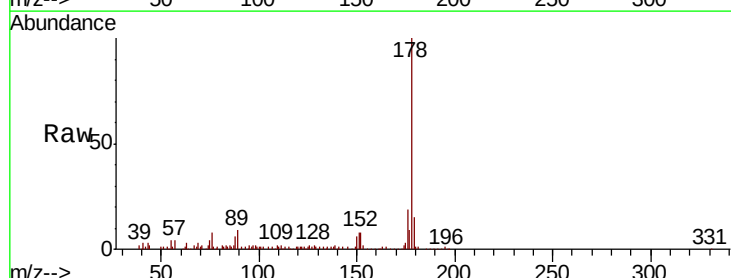
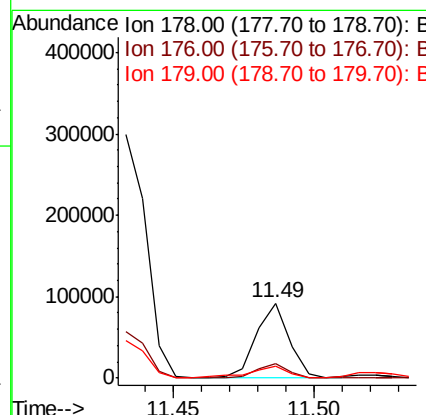
Manual Integrations
APPROVED

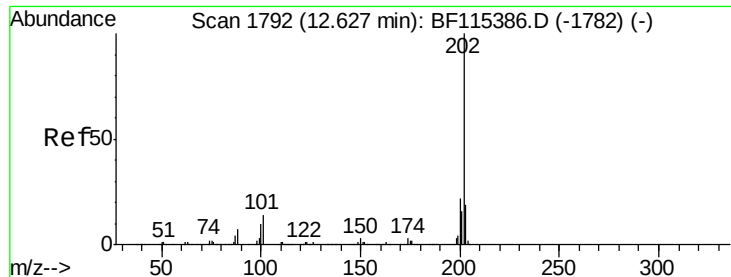
mohammad
7/8/2019 2:13:03 PM



#72
Anthracene
Concen: 2.462 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115395.D
Acq: 5 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.0	24.0
179	15.4	13.1	19.7





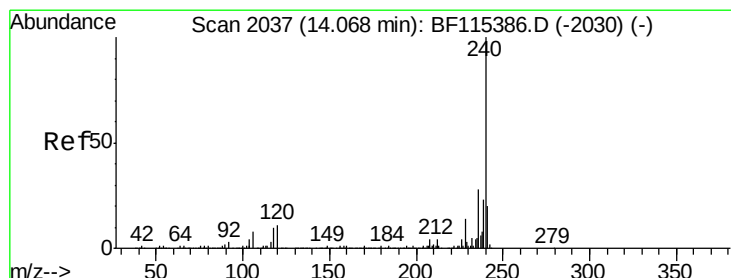
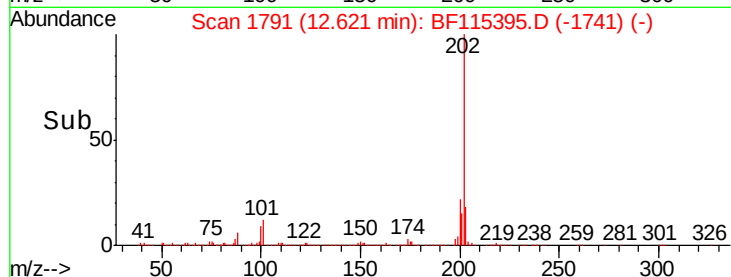
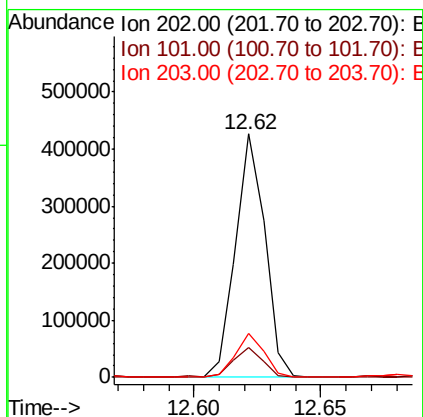
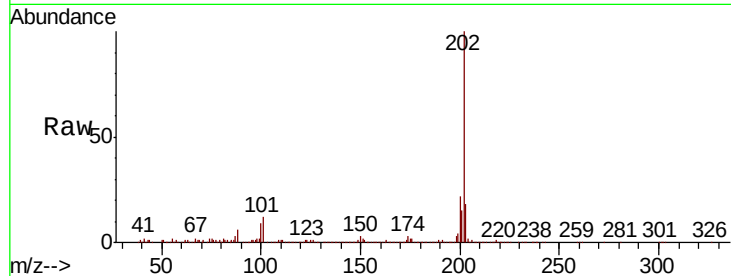
#75
Fluoranthene
Concen: 11.086 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF115395.D
Acq: 5 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	34.0
203	17.9	0.0	38.5

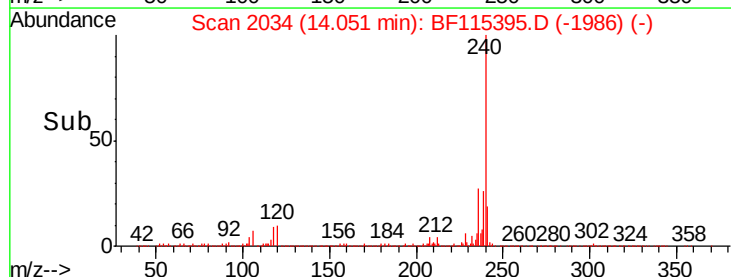
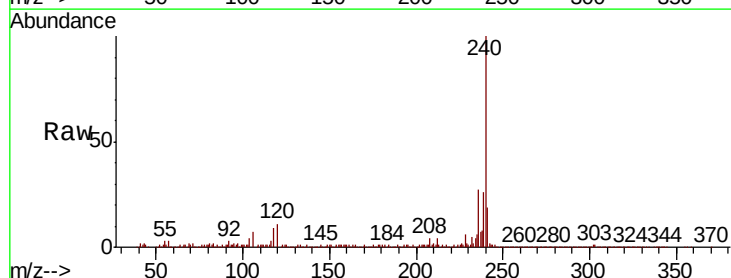
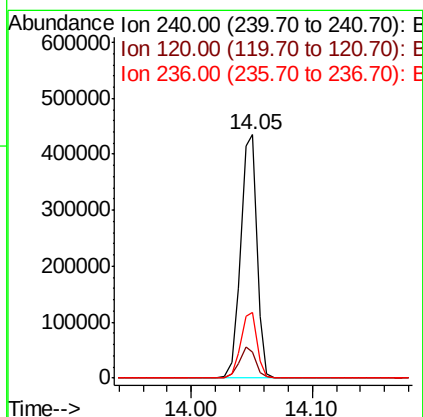
Manual Integrations
APPROVED

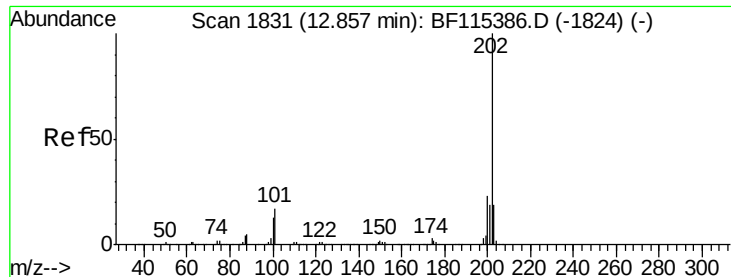
mohammad
7/8/2019 2:13:03 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF115395.D
Acq: 5 Jul 2019 18:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.6	9.1	13.7
236	27.1	22.5	33.7





#78

Pvrene

Concen: 10.518 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Instrument :

BNA_F

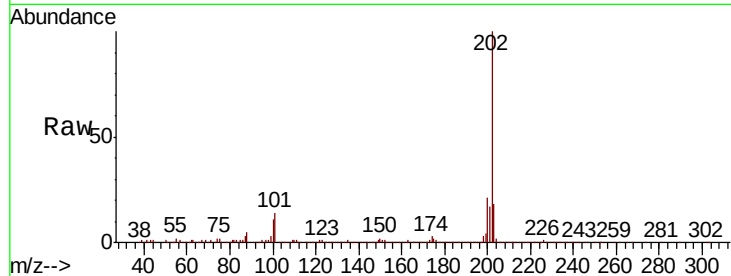
ClientSampleId :

OR-02-070319-B

Tot Ion:	202	Resp:	335033
Ion Ratio		Lower	Upper
202	100		
200	21.4	18.2	27.4
203	18.0	14.8	22.2

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:03 PM

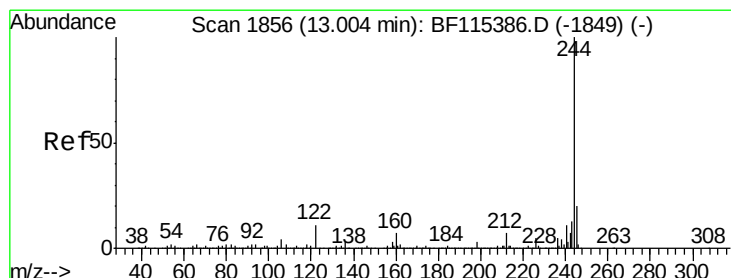
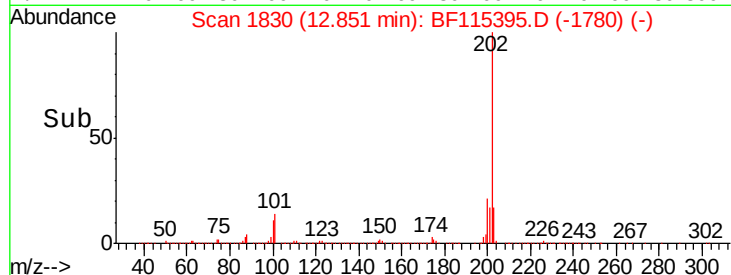
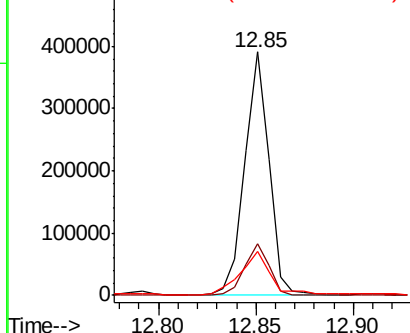


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 37.511 ng

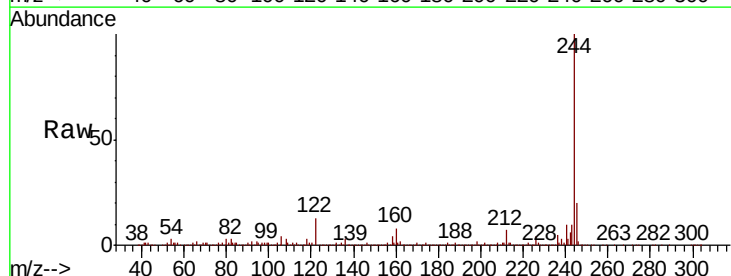
RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Tgt Ion:	244	Resp:	750420
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.7	8.5
122	12.9	9.1	13.7

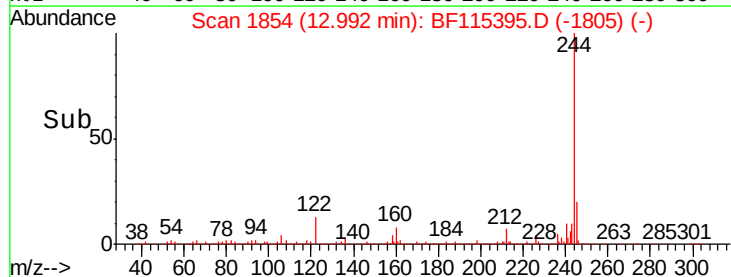
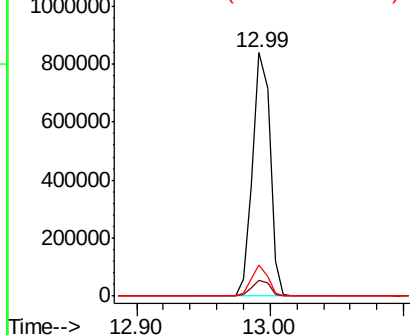


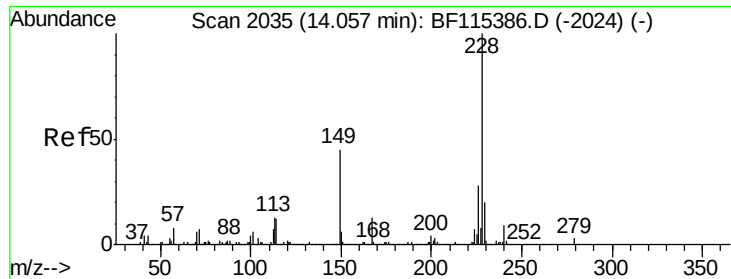
Abundance

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





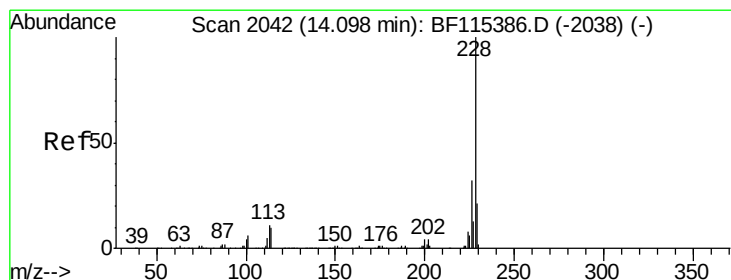
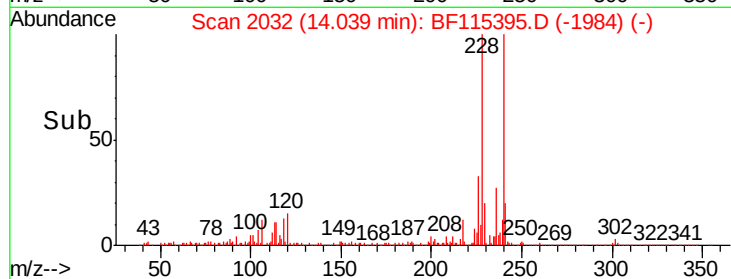
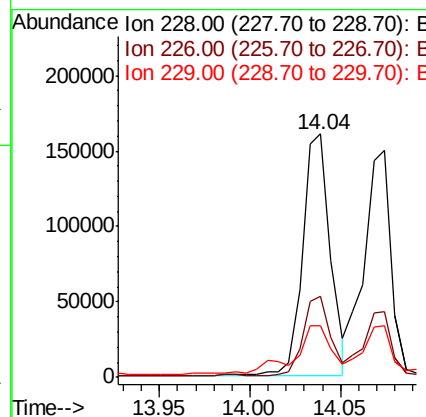
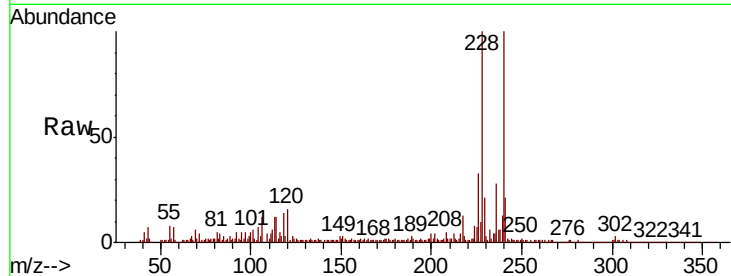
#81
Benzo(a)anthracene
Concen: 6.605 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF115395.D
Acq: 5 Jul 2019 18:09

Instrument :
BNA_F
ClientSampleId :
OR-02-070319-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.7	34.1
229	21.2	16.3	24.5

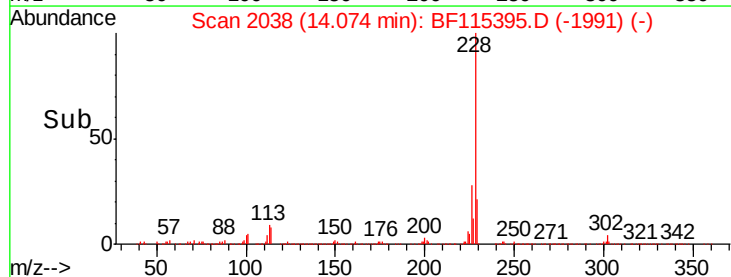
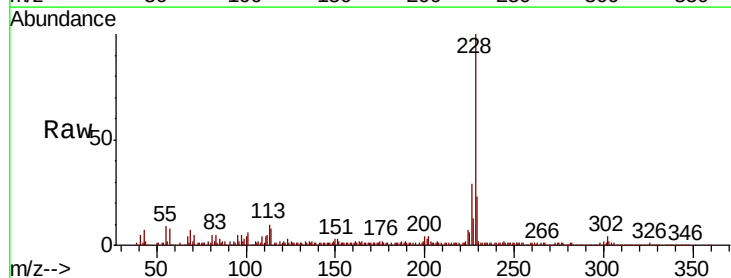
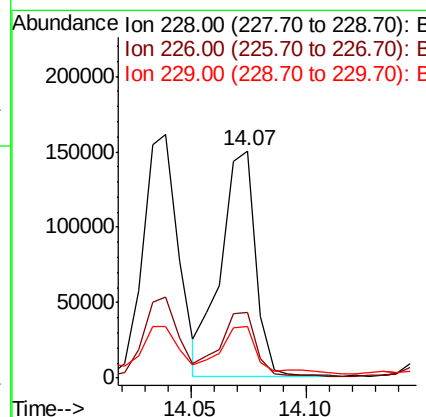
Manual Integrations
APPROVED

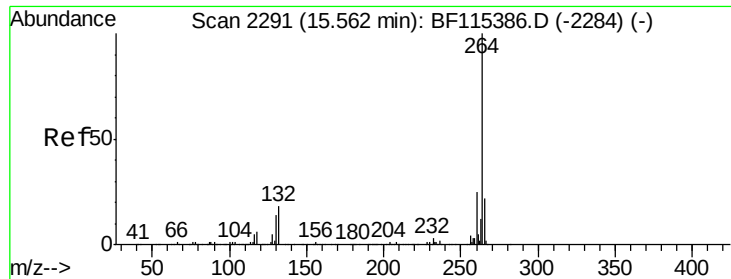
mohammad
7/8/2019 2:13:03 PM



#83
Chrysene
Concen: 5.798 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.02 min
Lab File: BF115395.D
Acq: 5 Jul 2019 18:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.7	38.5
229	22.9	16.6	25.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.04 min

Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Instrument :

BNA_F

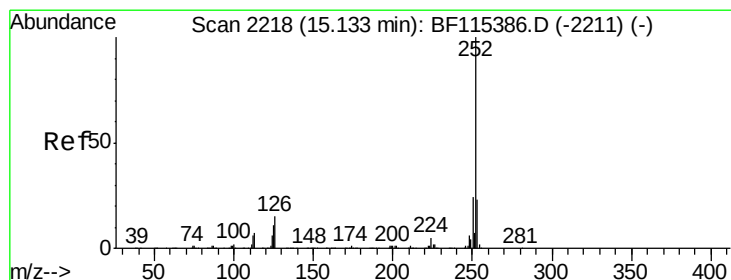
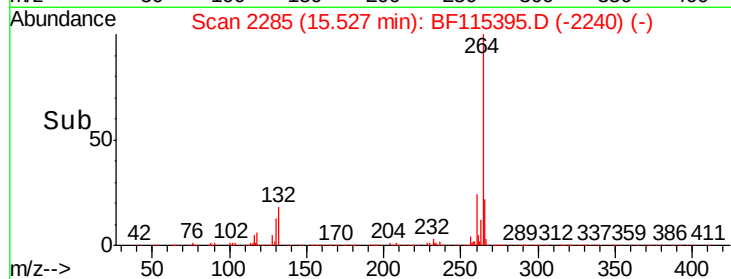
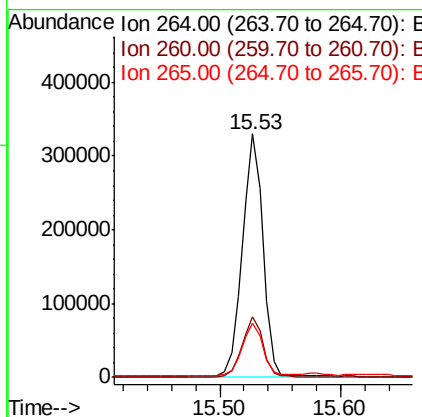
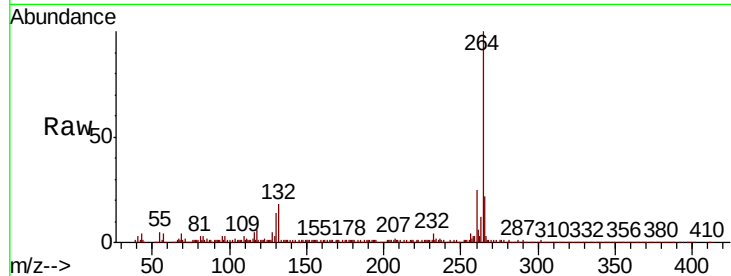
ClientSampleId :

OR-02-070319-B

Tot Ion:	264	Resp:	392458
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.9	29.9
265	22.1	17.4	26.2

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:03 PM



#88

Benzo(b)fluoranthene

Concen: 7.621 ng m

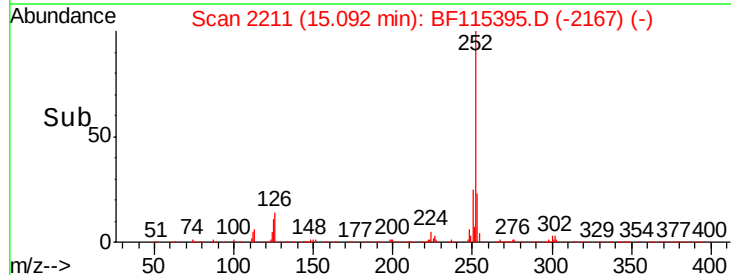
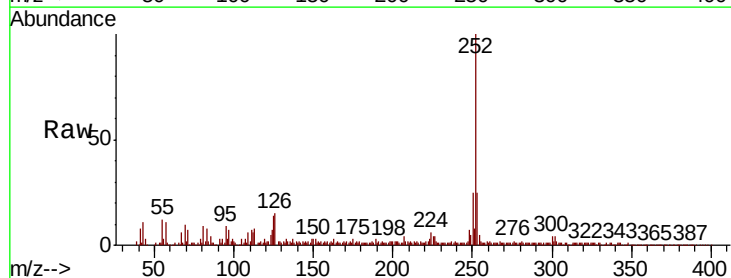
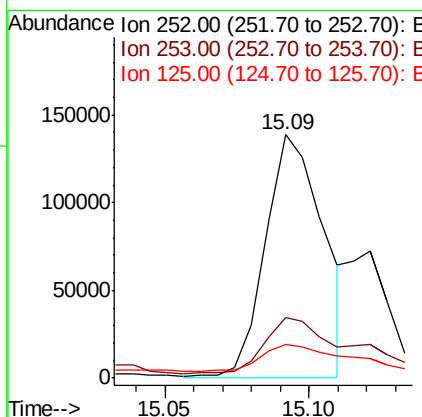
RT: 15.09 min Scan# 2211

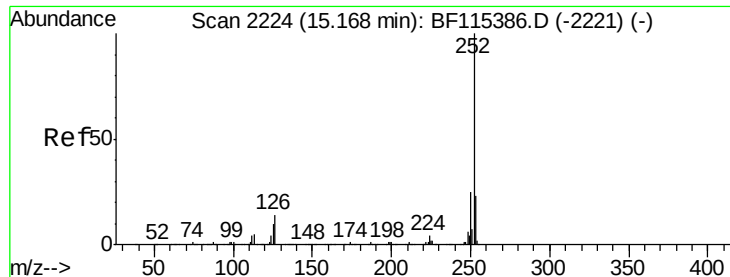
Delta R.T. -0.04 min

Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Tgt Ion:	252	Resp:	194747
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.1	27.1
125	14.0	9.0	13.6#





#89

Benzo(k)fluoranthene

Concen: 3.236 ng/mL

RT: 15.12 min Scan# 2216

Delta R.T. -0.05 min

Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Instrument :

BNA_F

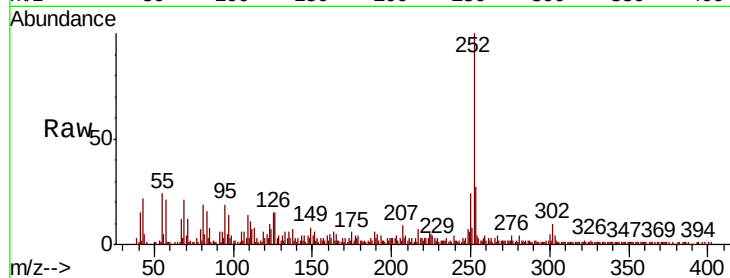
ClientSampleId :

OR-02-070319-B

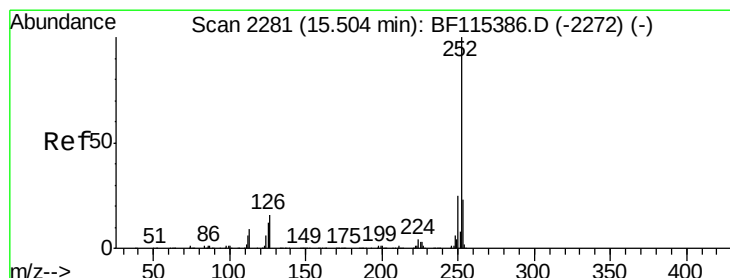
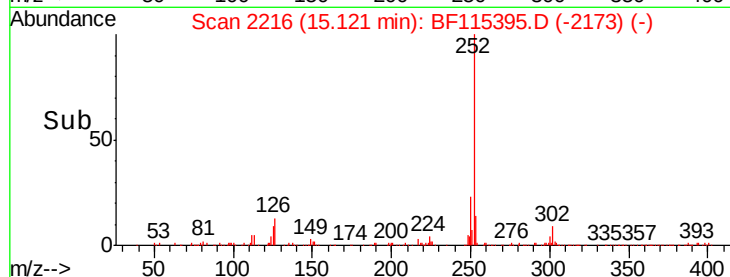
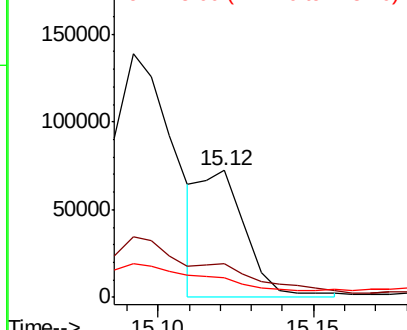
Tot Ion:	252	Resp:	73547
Ion Ratio	Lower	Upper	
252	100		
253	26.6	18.3	27.5
125	15.1	8.3	12.5#

Manual Integrations
APPROVED

mohammad
7/8/2019 2:13:03 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 6.095 ng/mL

RT: 15.46 min Scan# 2274

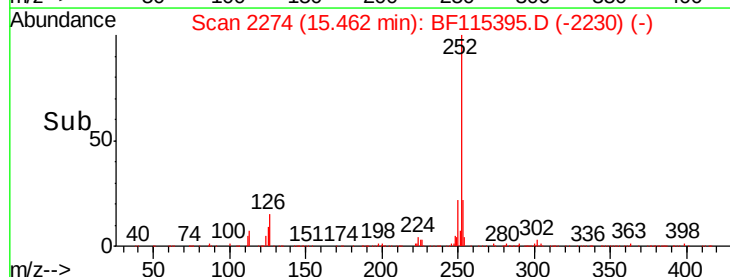
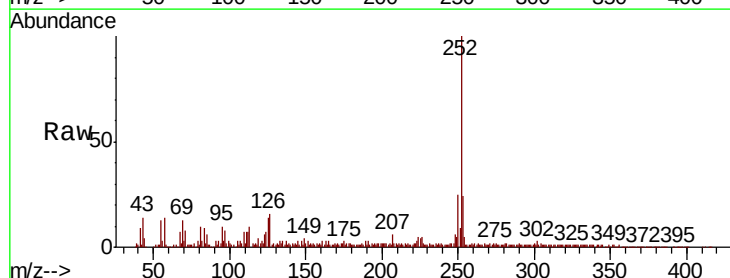
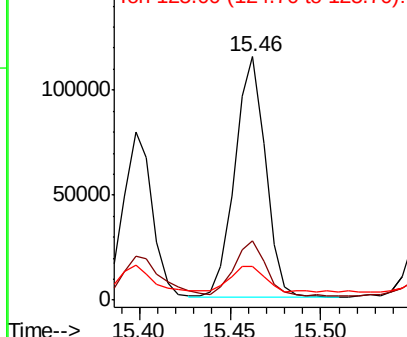
Delta R.T. -0.04 min

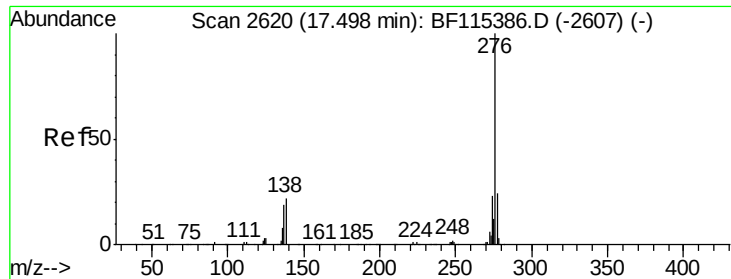
Lab File: BF115395.D

Acq: 5 Jul 2019 18:09

Tgt Ion:	252	Resp:	134331
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.2	27.2
125	14.1	10.0	15.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





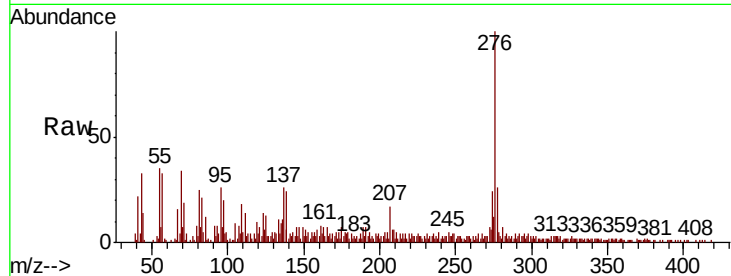
#92
 Benzo(a,h,i)perylene
 Concen: 3.602 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. -0.05 min
 Lab File: BF115395.D
 Acq: 5 Jul 2019 18:09

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-070319-B

Tot Ion:	276	Resp:	64210
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.4	29.2
138	23.8	17.8	26.6

Manual Integrations
 APPROVED

mohammad
 7/8/2019 2:13:03 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

