

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
 Data File : BF095727.D
 Acq On : 7 Jun 2017 00:48
 Operator : SJ/MA
 Sample : I3482-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060517-A

Manual Integrations
 APPROVED

mohammad
 6/7/2017 2:18:57 PM

Quant Time: Jun 07 04:22:09 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	80264	20.00	ng	-0.02
21) Naphthalene-d8	9.41	136	299731	20.00	ng	-0.02
38) Acenaphthene-d10	12.23	164	120033	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	182207	20.00	ng	-0.02
75) Chrysene-d12	18.34	240	153414	20.00	ng	-0.01
86) Perylene-d12	20.01	264	107710	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	516053	102.45	ng	-0.01
7) Phenol-d6	6.94	99	590822	97.98	ng	-0.02
23) Nitrobenzene-d5	8.30	82	334551	69.32	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	90475	85.19	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	579249	67.15	ng	-0.02
78) Terphenyl-d14	17.00	244	360562	58.33	ng	-0.02
Target Compounds						
49) Dimethylphthalate	11.89	163	93475	10.257	ng	Qvalue # 98
70) Phenanthrene	14.66	178	68392	6.505	ng	98
74) Fluoranthene	16.44	202	108820	10.458	ng	98
77) Pyrene	16.74	202	96640	8.442	ng	# 92
80) Benzo(a)anthracene	18.33	228	43328	4.858	ng	94
82) Chrysene	18.37	228	39208m	4.399	ng	
87) Benzo(b)fluoranthene	19.61	252	38020m	5.637	ng	
88) Benzo(k)fluoranthene	19.64	252	14895m	2.311	ng	
89) Benzo(a)pyrene	19.96	252	27127	4.376	ng	# 96
91) Benzo(g,h,i)perylene	21.53	276	15252	2.845	ng	# 76

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

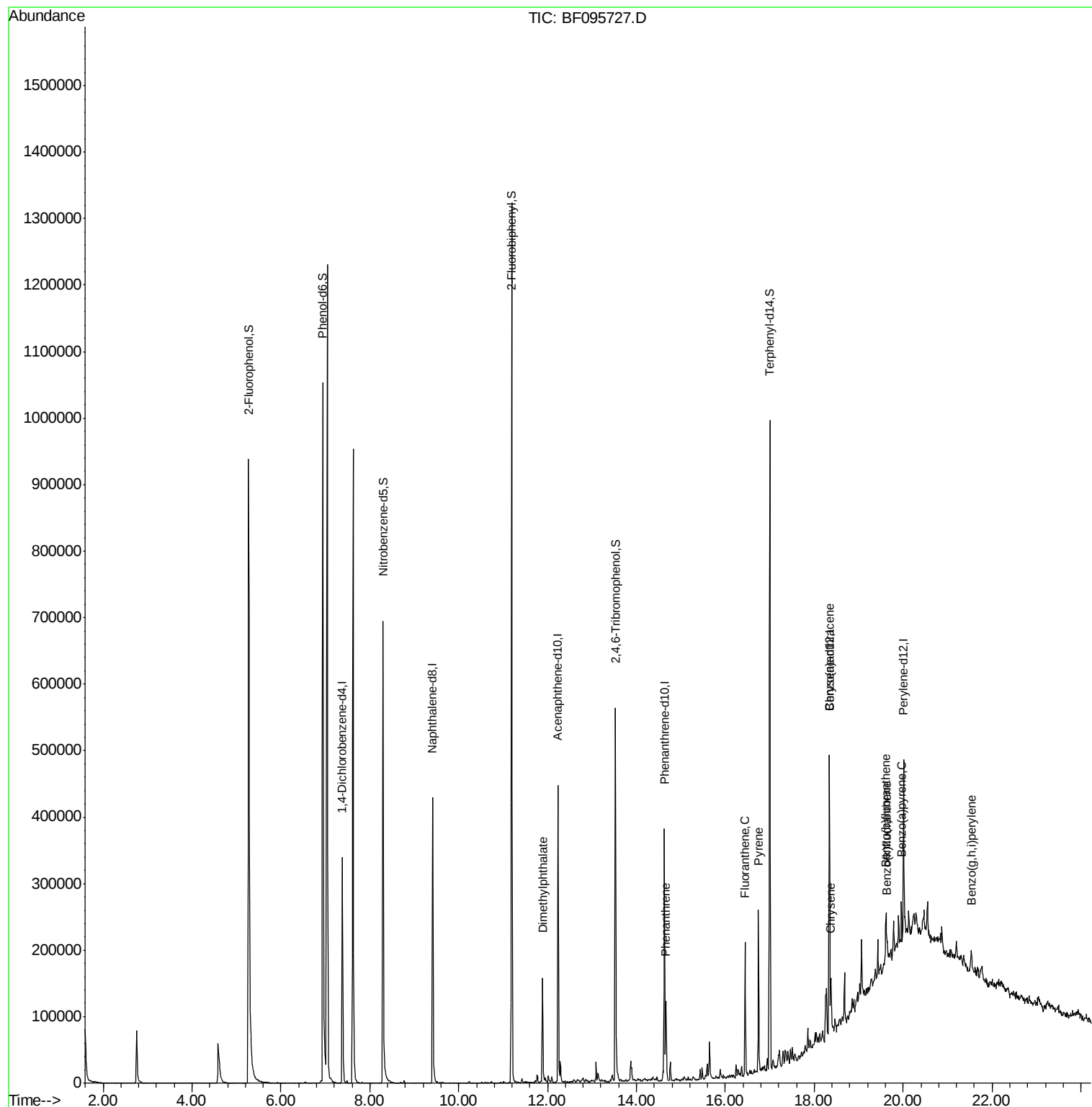
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095727.D
Acq On : 7 Jun 2017 00:48
Operator : SJ/MA
Sample : I3482-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

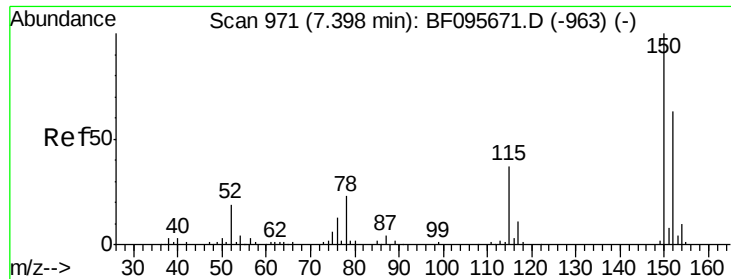
Instrument :
BNA_F
ClientSampleId :
CL-01-060517-A

Manual Integrations
APPROVED

mohammad
6/7/2017 2:18:57 PM

Quant Time: Jun 07 04:22:09 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration





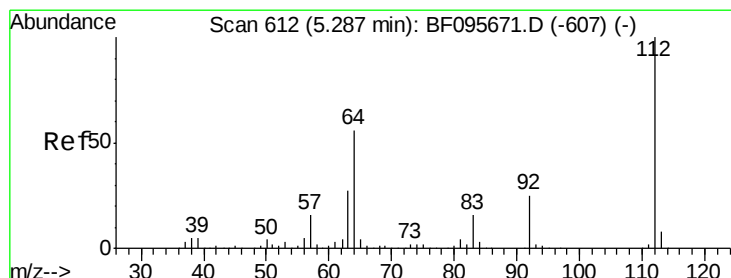
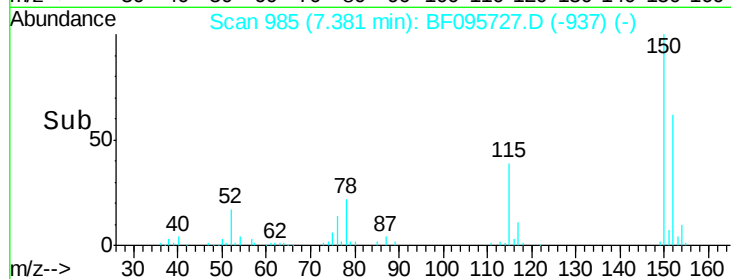
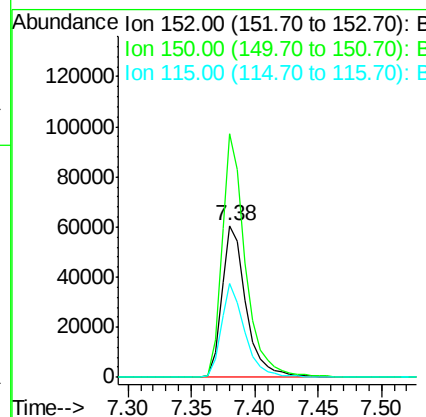
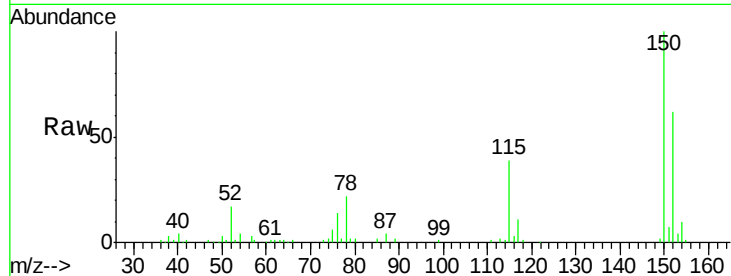
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.38 min Scan# 985
 Delta R.T. -0.02 min
 Lab File: BF095727.D
 Acq: 7 Jun 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060517-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	61.7	52.2	78.2

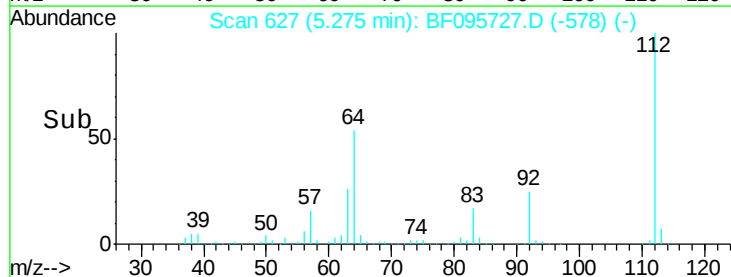
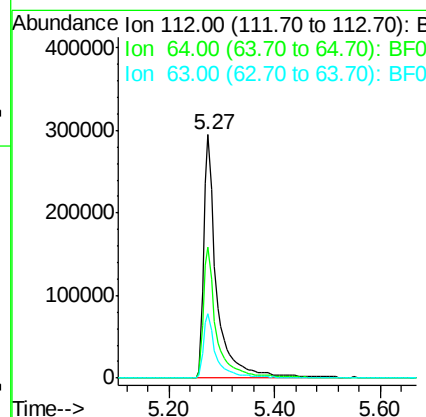
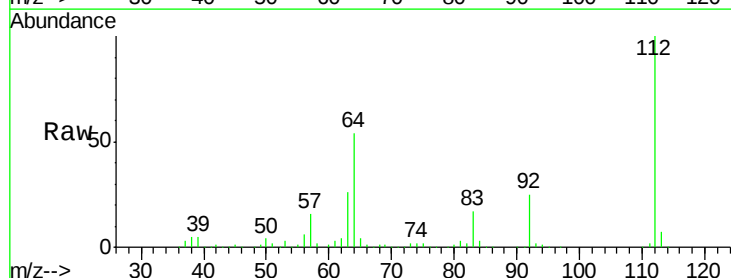
Manual Integrations
 APPROVED

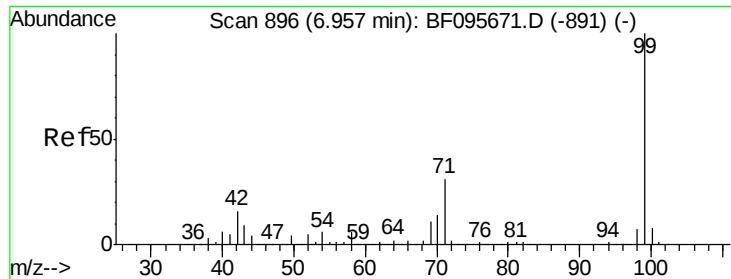
mohammad
 6/7/2017 2:18:57 PM



#5
 2-Fluorophenol
 Concen: 102.450 ng
 RT: 5.27 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BF095727.D
 Acq: 7 Jun 2017 00:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.7	46.0	69.0
63	26.3	23.4	35.0





#7

Phenol-d6

Concen: 97.976 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

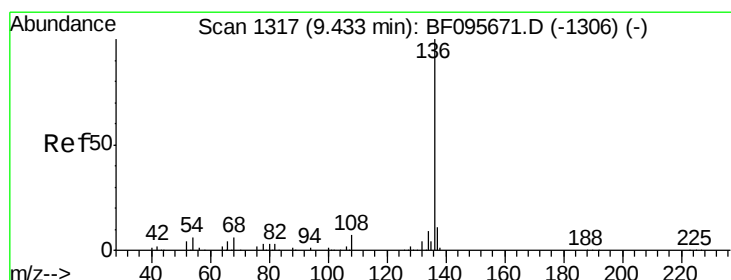
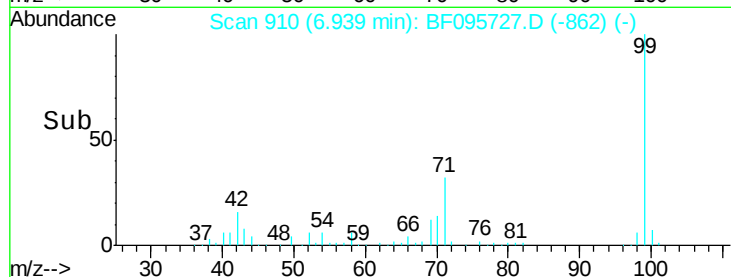
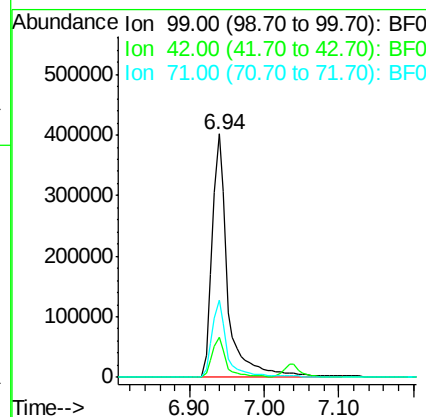
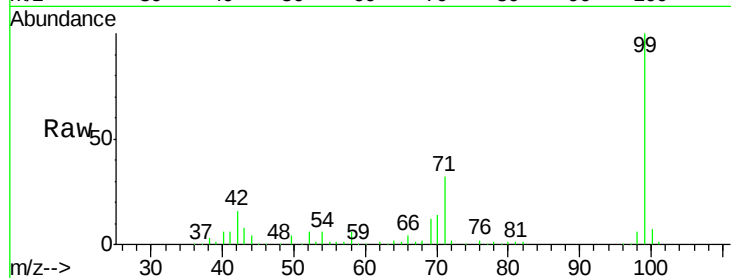
ClientSampleId :

CL-01-060517-A

Tgt Ion:	99	Resp:	590822
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	31.9	24.5	36.7

Manual Integrations
APPROVED

mohammad
6/7/2017 2:18:57 PM



#21

Naphthalene-d8

Concen: 20.000 ng

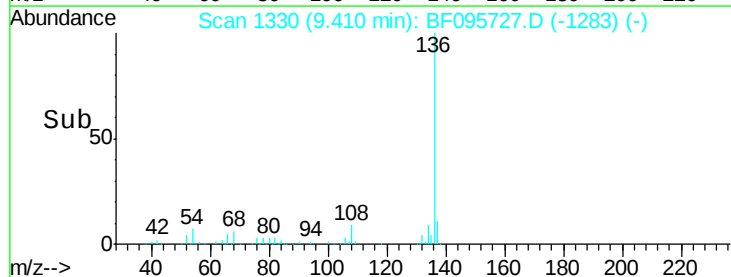
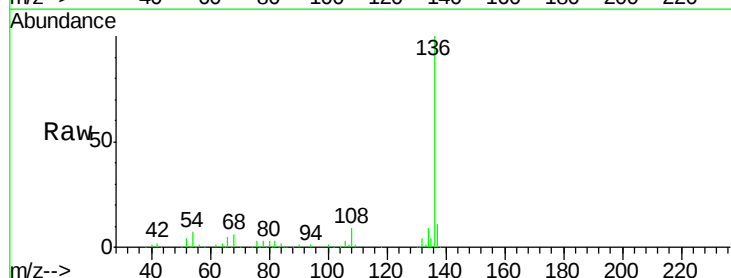
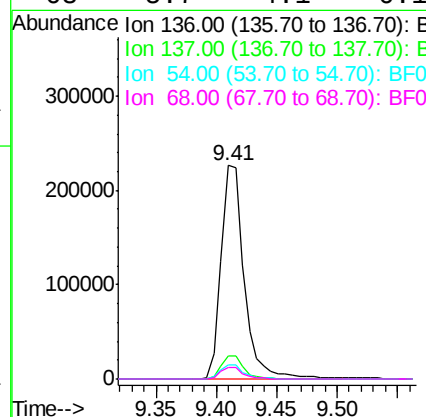
RT: 9.41 min Scan# 1330

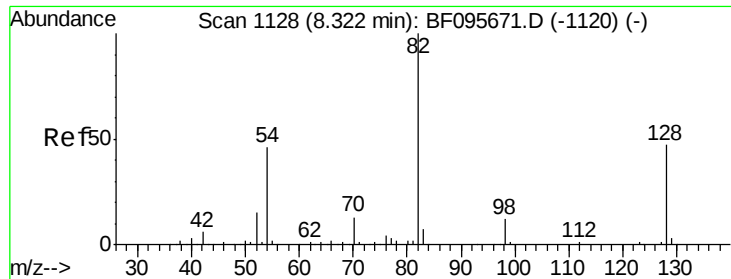
Delta R.T. -0.02 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Tgt Ion:	136	Resp:	299731
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	6.7	4.9	7.3
68	5.7	4.1	6.1





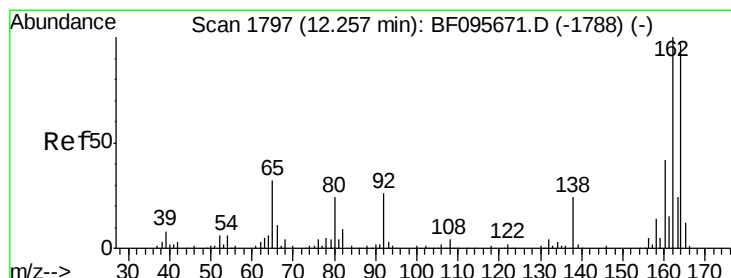
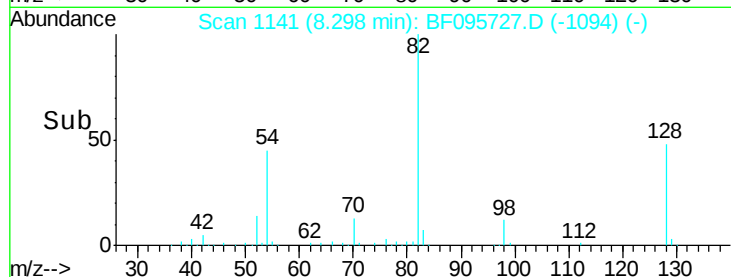
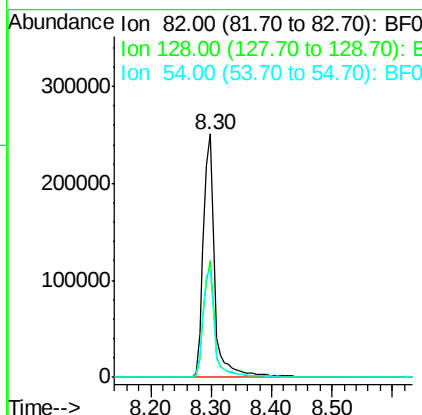
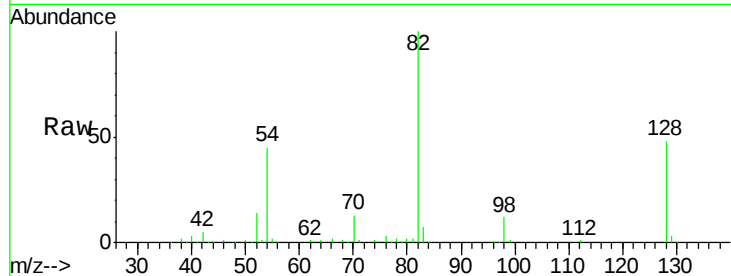
#23
Nitrobenzene-d5
Concen: 69.319 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-A

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.0	51.0
54	44.6	42.2	63.2

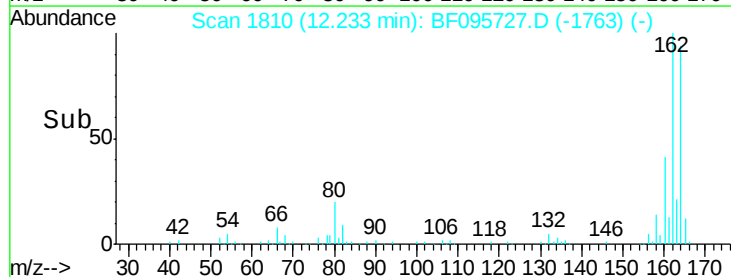
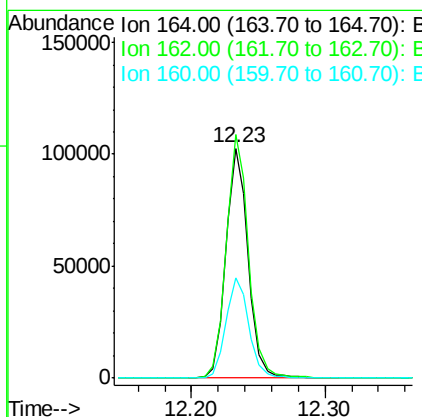
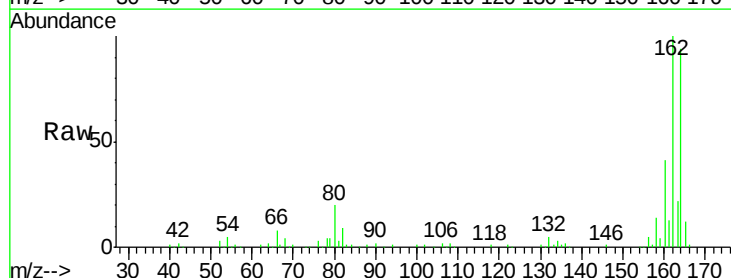
Manual Integrations
APPROVED

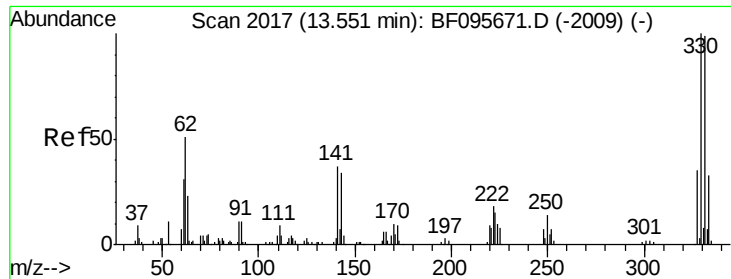
mohammad
6/7/2017 2:18:57 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.23 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	82.6	123.8
160	43.6	36.2	54.2





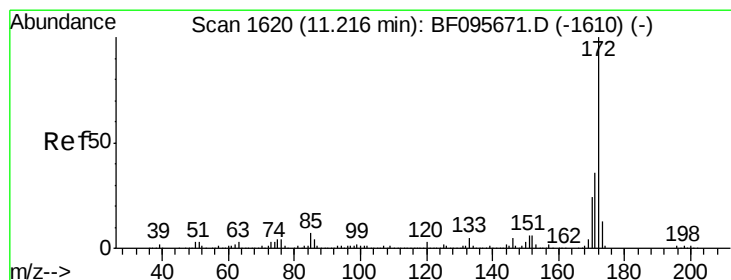
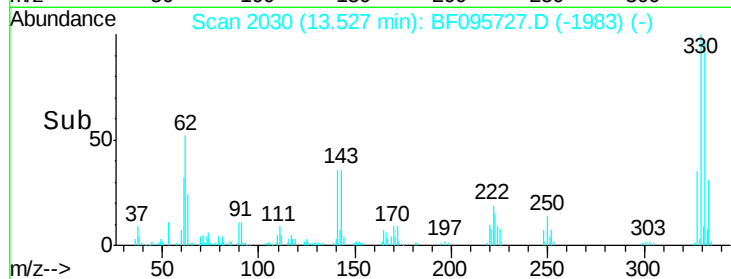
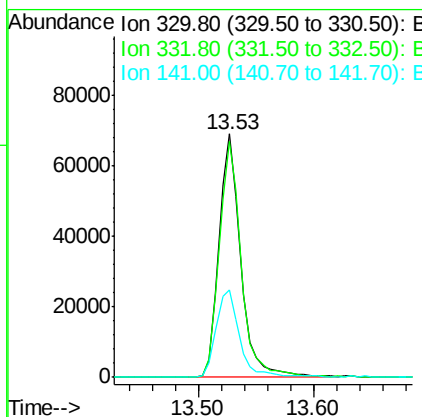
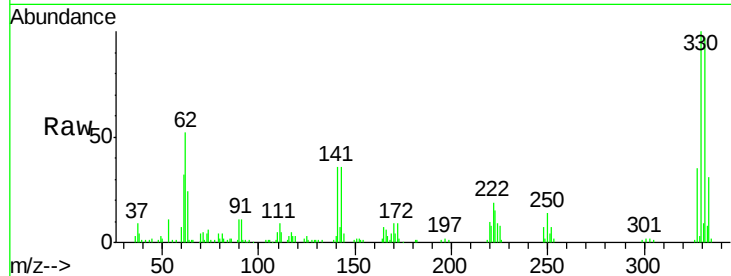
#41
 2,4,6-Tribromophenol
 Concen: 85.192 ng
 RT: 13.53 min Scan# 2030
 Delta R.T. -0.02 min
 Lab File: BF095727.D
 Acq: 7 Jun 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-060517-A

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	90475		
332	98.2	76.6	115.0	
141	38.8	31.4	47.2	

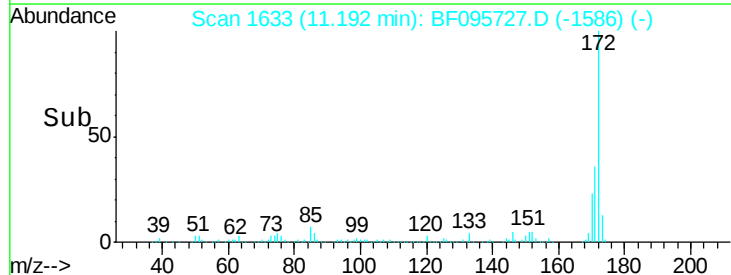
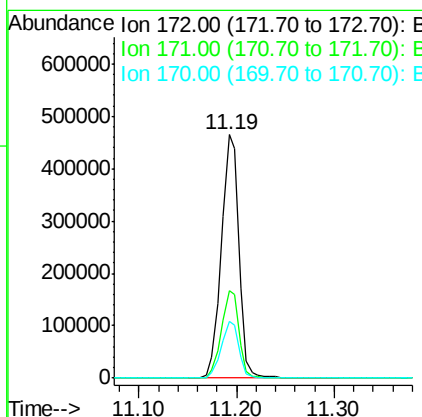
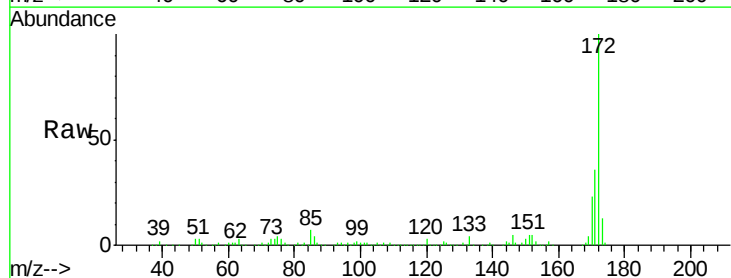
Manual Integrations
 APPROVED

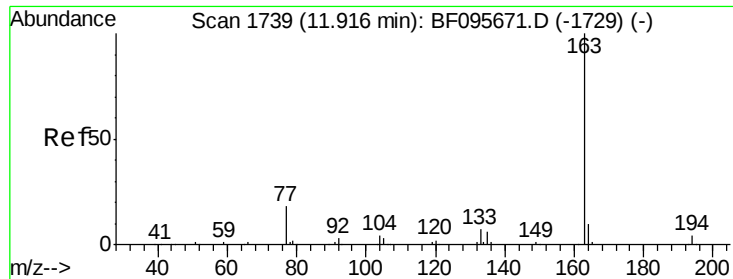
mohammad
 6/7/2017 2:18:57 PM



#44
 2-Fluorobiphenyl
 Concen: 67.154 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095727.D
 Acq: 7 Jun 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	579249		
171	35.9	29.6	44.4	
170	23.1	19.8	29.8	





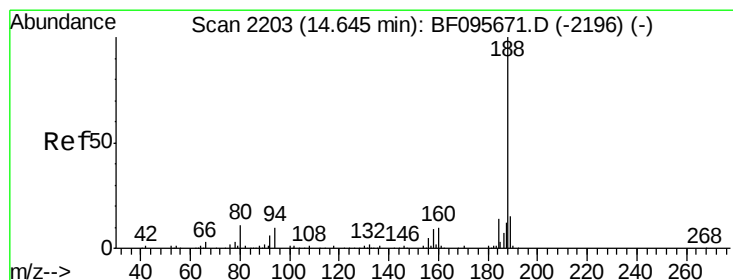
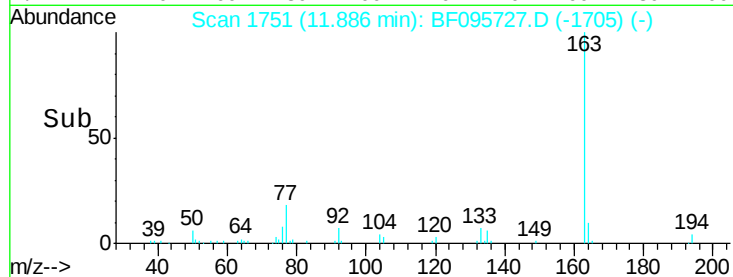
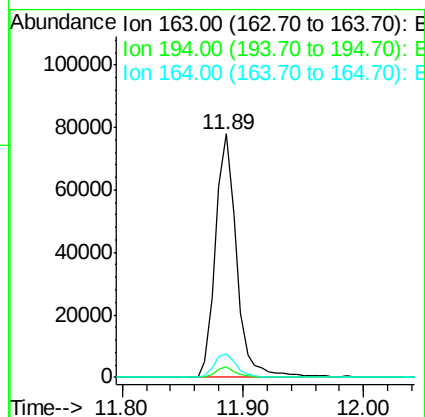
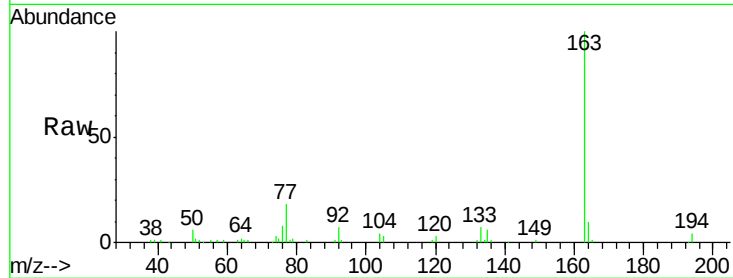
#49
Dimethylphthalate
Concen: 10.257 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-A

Tgt Ion:163 Resp: 93475
Ion Ratio Lower Upper
163 100
194 4.3 2.6 4.0#
164 9.8 8.4 12.6

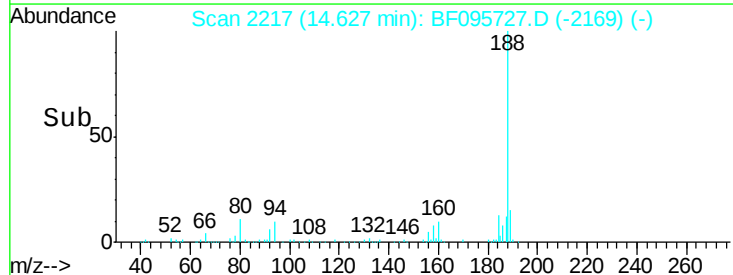
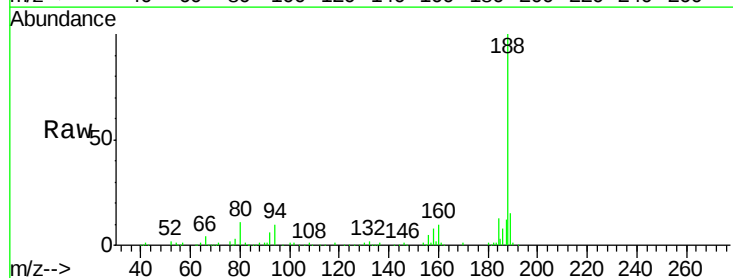
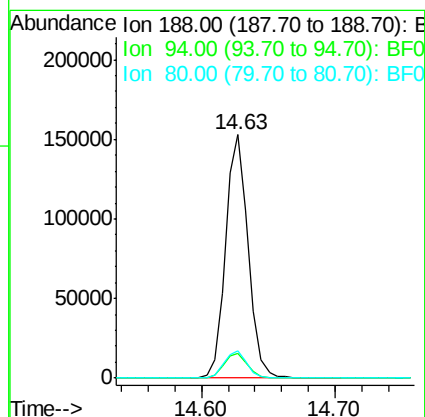
Manual Integrations
APPROVED

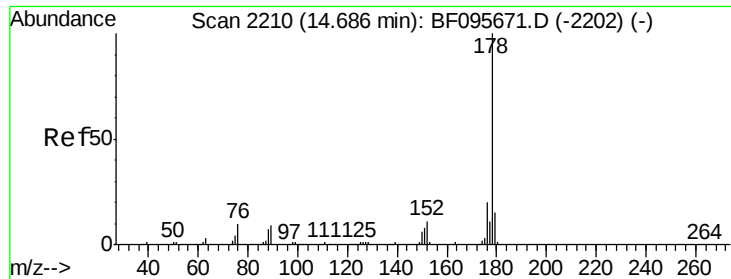
mohammad
6/7/2017 2:18:57 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Tgt Ion:188 Resp: 182207
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 11.4 10.2 15.2





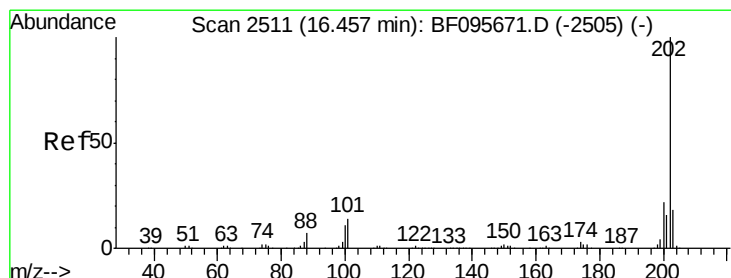
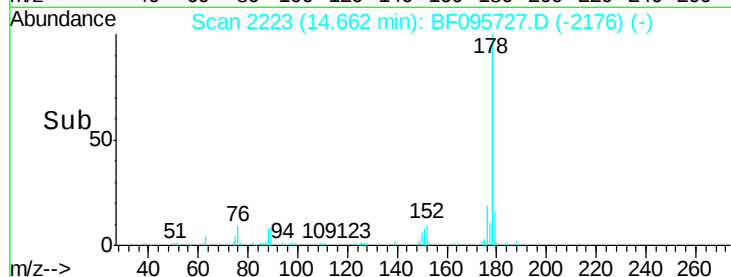
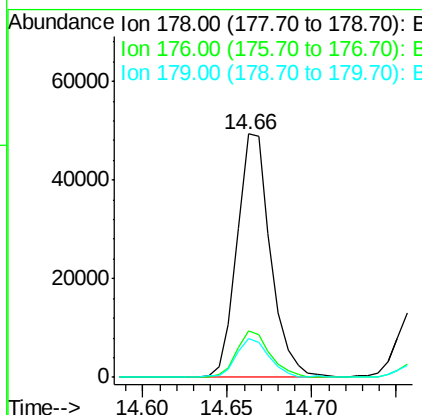
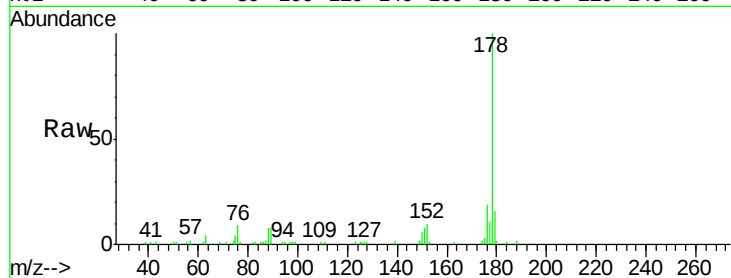
#70
Phenanthrene
Concen: 6.505 ng
RT: 14.66 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-A

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	16.0	12.6	19.0

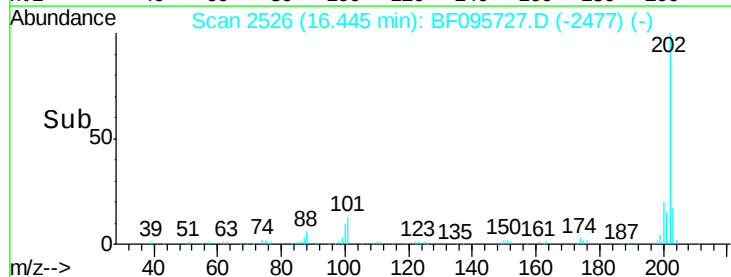
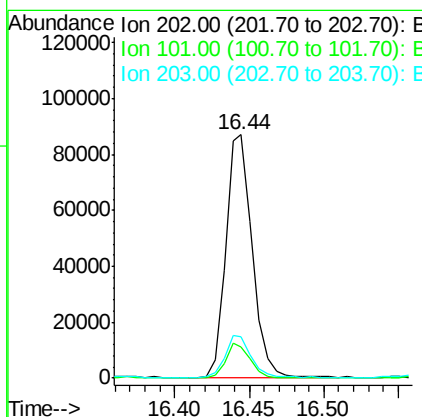
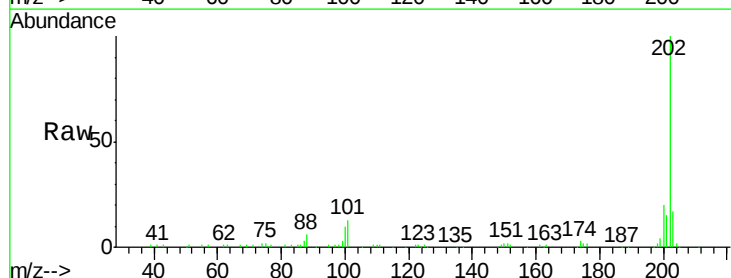
Manual Integrations
APPROVED

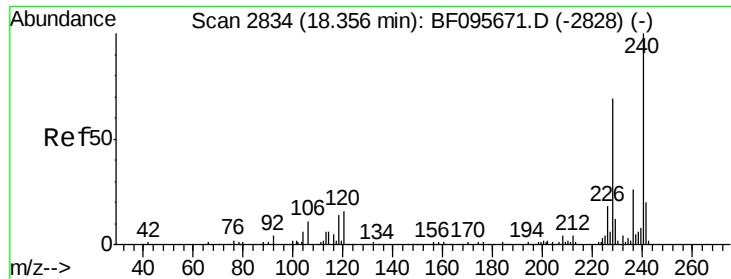
mohammad
6/7/2017 2:18:57 PM



#74
Fluoranthene
Concen: 10.458 ng
RT: 16.44 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.34 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

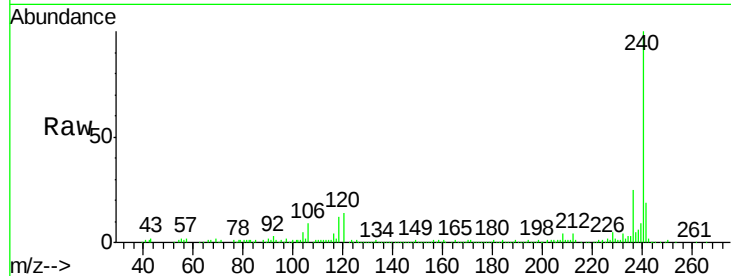
ClientSampleId :

CL-01-060517-A

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	25.1	20.5	30.7

Manual Integrations
APPROVED

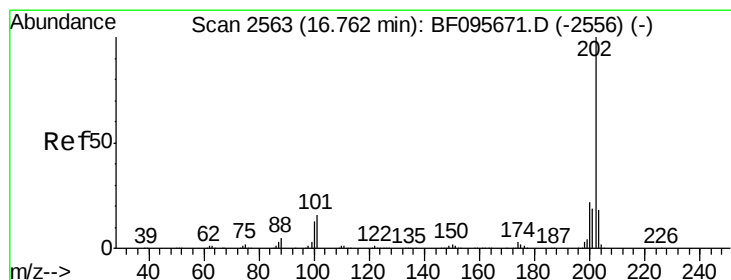
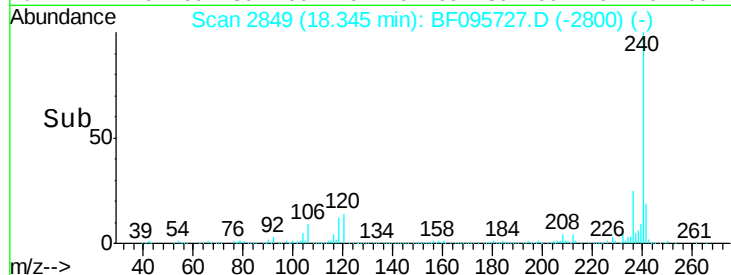
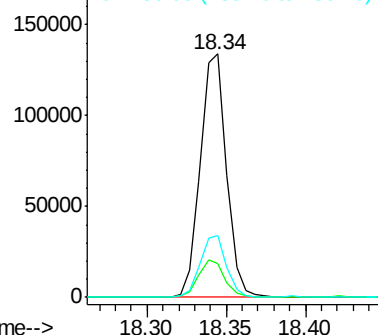
mohammad
6/7/2017 2:18:57 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.442 ng

RT: 16.74 min Scan# 2577

Delta R.T. -0.02 min

Lab File: BF095727.D

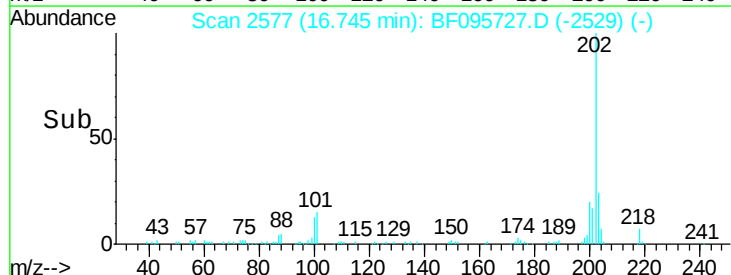
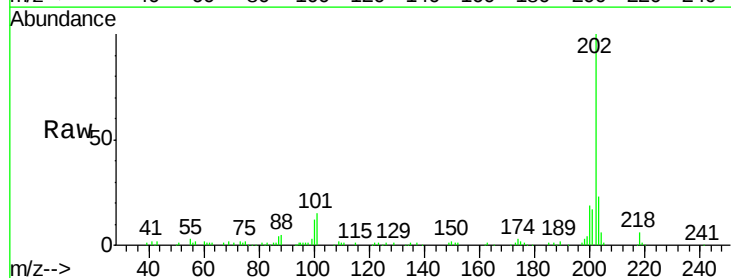
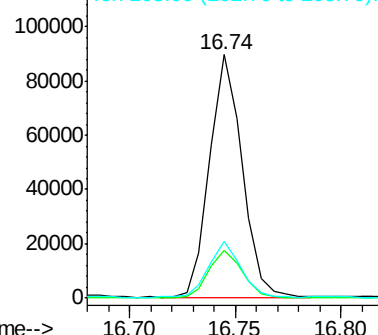
Acq: 7 Jun 2017 00:48

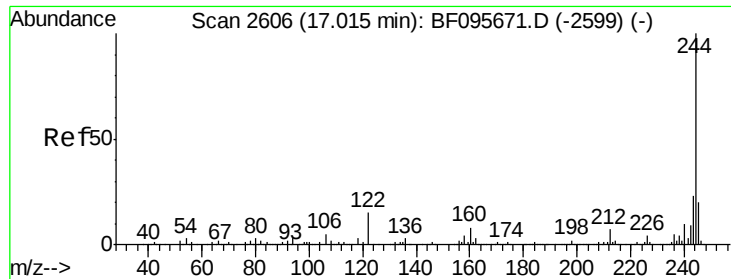
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	17.6	26.4
203	23.3	14.4	21.6#

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





#78

Terphenyl-d14

Concen: 58.327 ng

RT: 17.00 min Scan# 2620

Delta R.T. -0.02 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

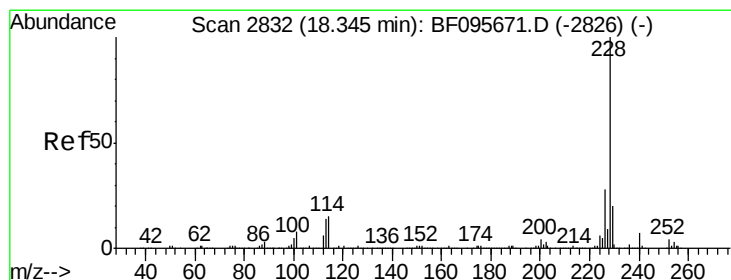
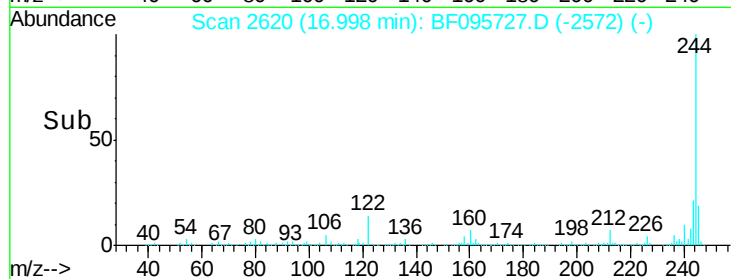
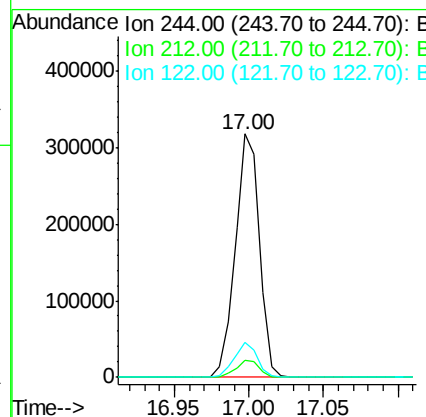
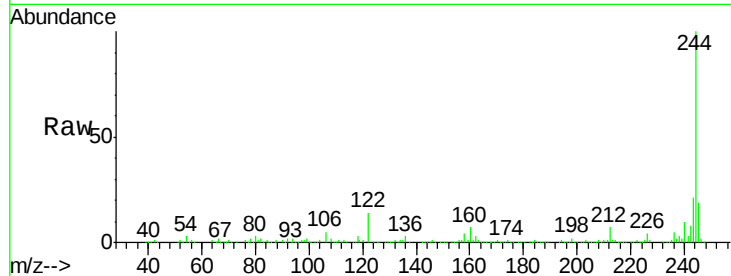
ClientSampleId :

CL-01-060517-A

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	360562		
212	7.1	6.0	9.0	
122	14.4	10.3	15.5	

Manual Integrations
APPROVED

mohammad
6/7/2017 2:18:57 PM



#80

Benzo(a)anthracene

Concen: 4.858 ng

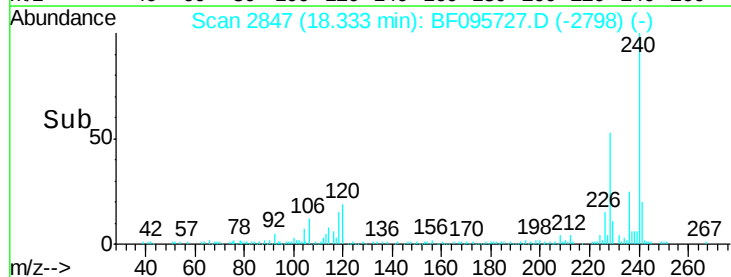
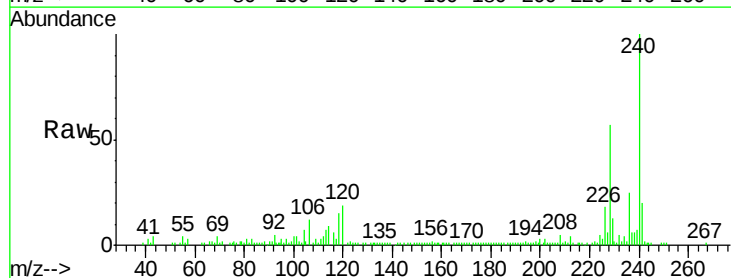
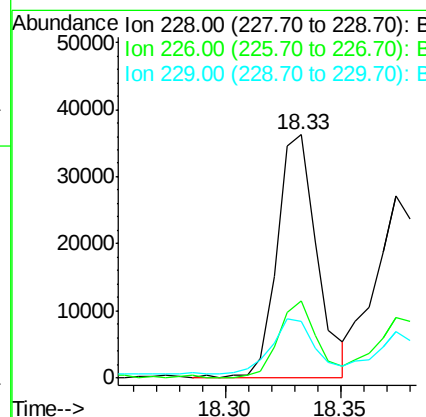
RT: 18.33 min Scan# 2847

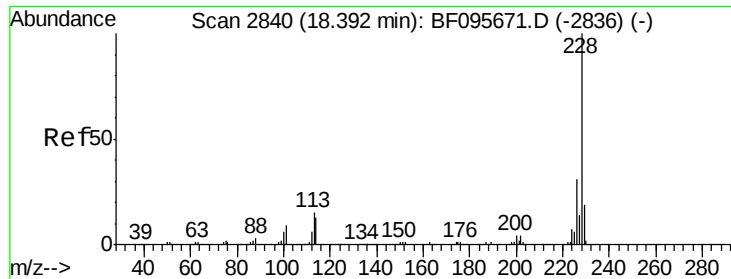
Delta R.T. -0.01 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	43328		
226	31.6	22.6	33.8	
229	23.1	16.3	24.5	





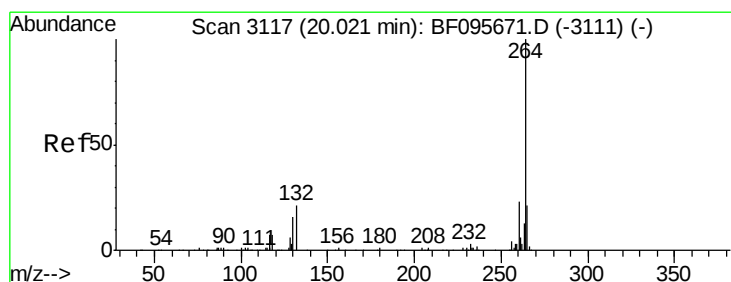
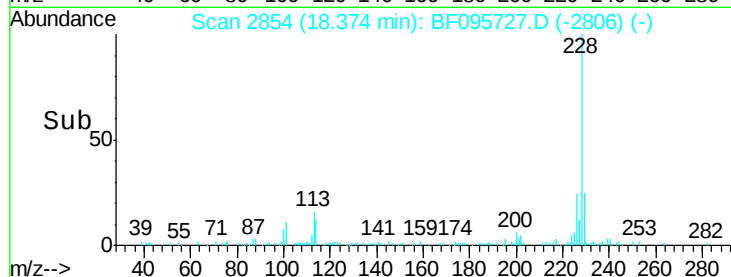
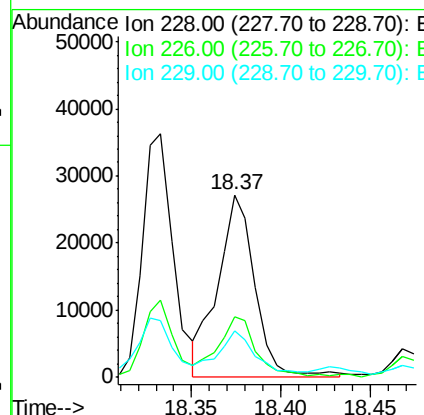
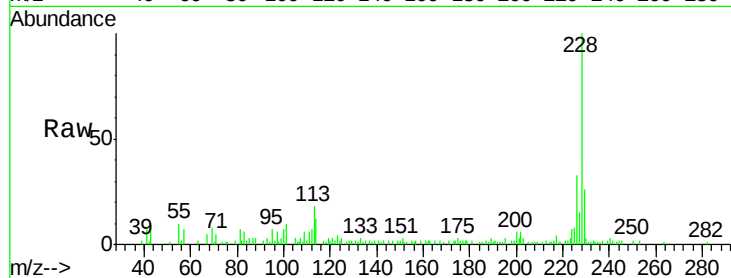
#82
Chrysene
Concen: 4.399 ng m
RT: 18.37 min Scan# 2854
Delta R.T. -0.02 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.3	24.9	37.3
229	25.7	15.8	23.6

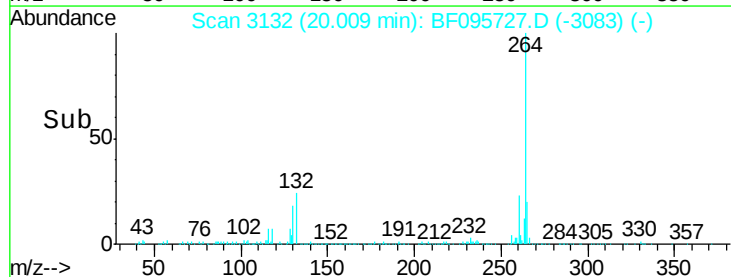
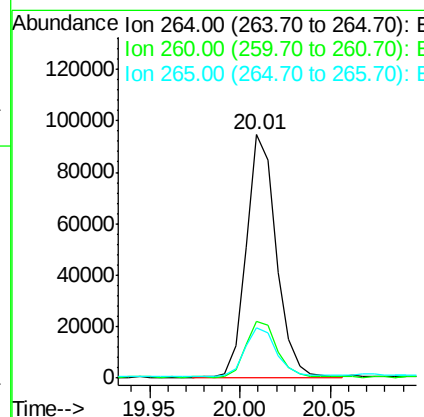
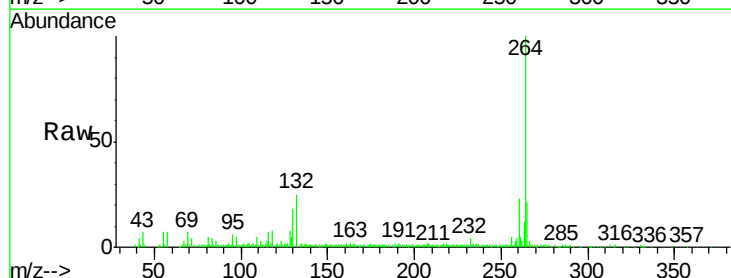
Manual Integrations
APPROVED

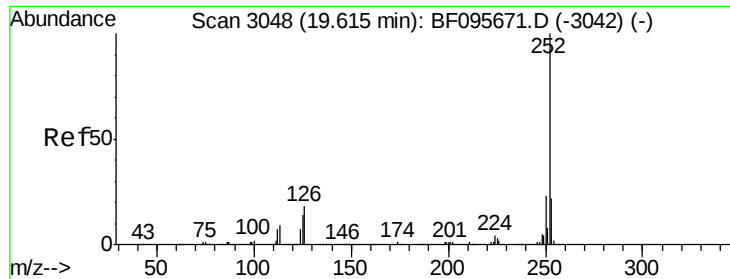
mohammad
6/7/2017 2:18:57 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	20.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 5.637 ng m

RT: 19.61 min Scan# 3064

Delta R.T. -0.01 min

Lab File: BF095727.D

Acq: 7 Jun 2017 00:48

Instrument :

BNA_F

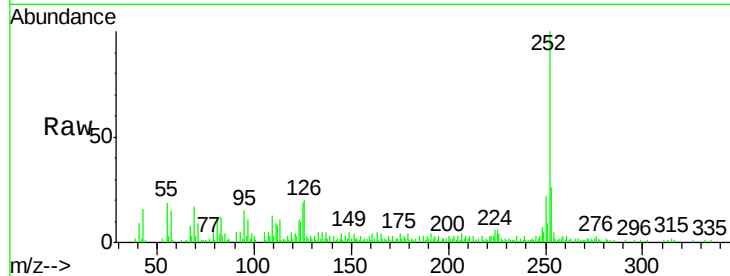
ClientSampleId :

CL-01-060517-A

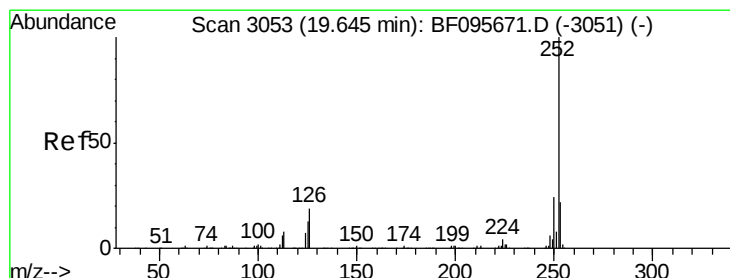
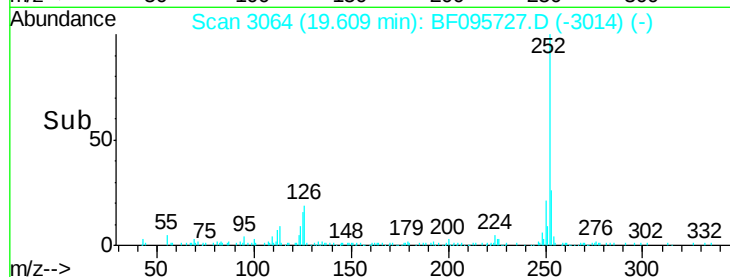
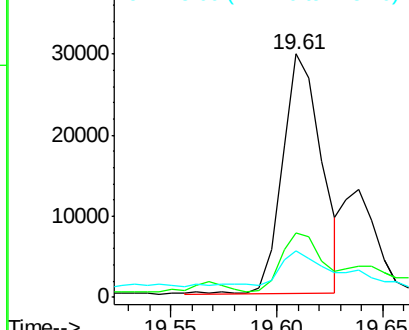
Tgt Ion:	252	Resp:	38020
Ion Ratio	Lower	Upper	
252	100		
253	26.5	18.1	27.1
125	19.2	9.8	14.8#

Manual Integrations
APPROVED

mohammad
6/7/2017 2:18:57 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



#88

Benzo(k)fluoranthene

Concen: 2.311 ng m

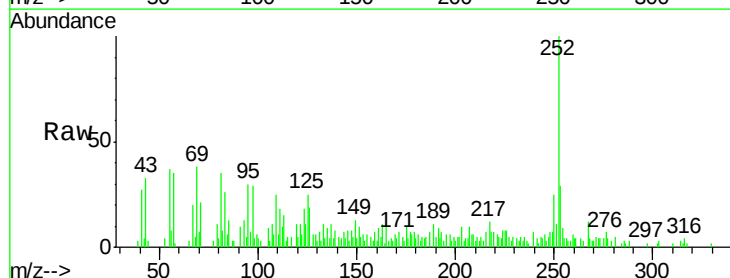
RT: 19.64 min Scan# 3069

Delta R.T. -0.01 min

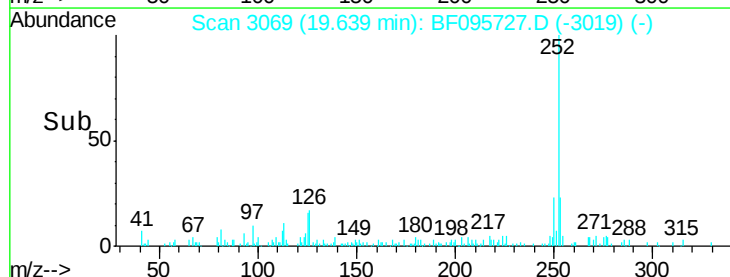
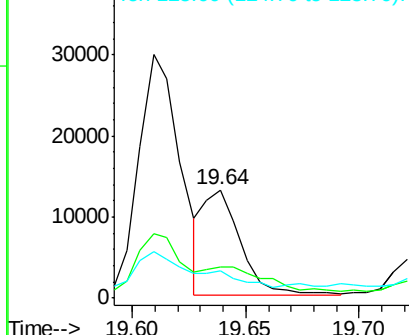
Lab File: BF095727.D

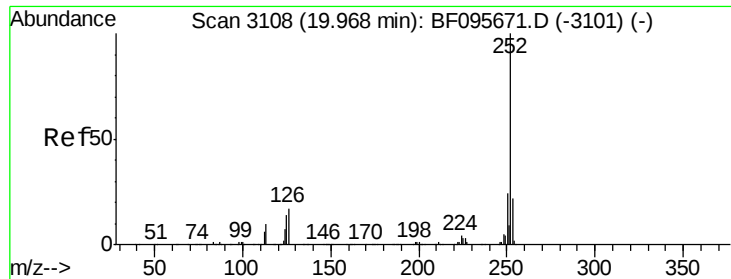
Acq: 7 Jun 2017 00:48

Tgt Ion:	252	Resp:	14895
Ion Ratio	Lower	Upper	
252	100		
253	29.2	18.4	27.6#
125	25.4	13.1	19.7#



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





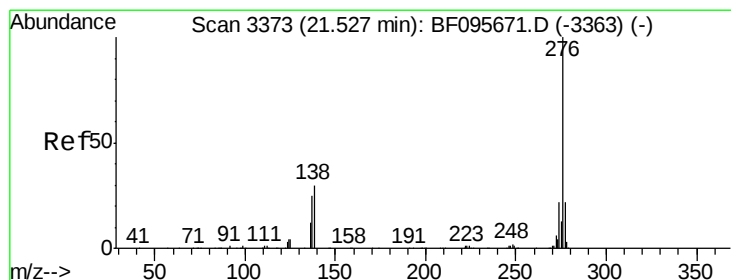
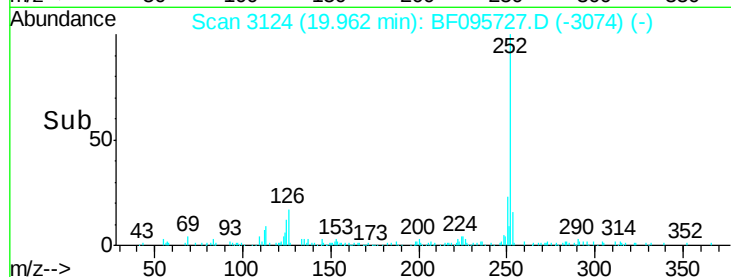
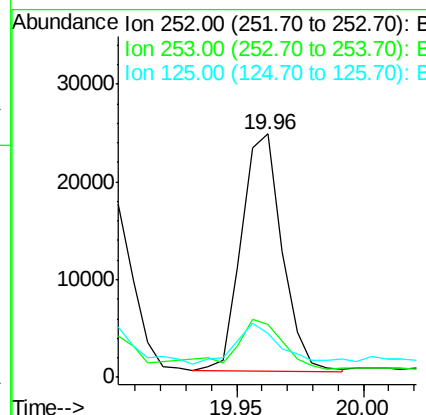
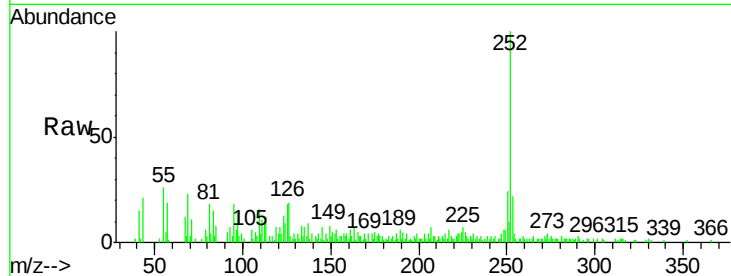
#89
Benzo(a)pyrene
Concen: 4.376 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	17.8	11.0	16.4

Manual Integrations
APPROVED

mohammad
6/7/2017 2:18:57 PM



#91
Benzo(g,h,i)perylene
Concen: 2.845 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095727.D
Acq: 7 Jun 2017 00:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.1	18.6	28.0
138	46.6	25.4	38.0

