

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071217\
 Data File : BF096701.D
 Acq On : 12 Jul 2017 19:39
 Operator : SJ/JU
 Sample : I4144-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-0-3

Manual Integrations
 APPROVED

mohammad
 7/13/2017 1:38:00 PM

Quant Time: Jul 13 02:12:44 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	111596	20.00	ng	-0.03
21) Naphthalene-d8	7.95	136	437393	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	170071	20.00	ng	-0.04
63) Phenanthrene-d10	11.17	188	246753	20.00	ng	-0.04
75) Chrysene-d12	13.81	240	185201	20.00	ng	-0.04
86) Perylene-d12	15.20	264	183244	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	693432	91.71	ng	-0.02
7) Phenol-d6	6.32	99	847286	91.15	ng	-0.03
23) Nitrobenzene-d5	7.23	82	505230	69.41	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	128034	96.38	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	816034	82.04	ng	-0.04
78) Terphenyl-d14	12.76	244	413569	47.72	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	7.97	128	59820	2.897	ng	97
37) 2-Methylnaphthalene	8.66	142	39591	3.012	ng	98
48) Acenaphthylene	9.56	152	59142	3.437	ng	99
49) Dimethylphthalate	9.42	163	288673	22.737	ng	99
70) Phenanthrene	11.20	178	104114	7.805	ng	98
71) Anthracene	11.25	178	51704	3.804	ng	97
74) Fluoranthene	12.39	202	179966	13.761	ng	96
77) Pyrene	12.61	202	185649	12.489	ng	98
80) Benzo(a)anthracene	13.80	228	116312m	10.845	ng	
82) Chrysene	13.83	228	138731	12.353	ng	97
83) Bis(2-ethylhexyl)phthalate	13.80	149	37128	4.420	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.53	276	87242	9.841	ng	97
87) Benzo(b)fluoranthene	14.82	252	236285m	20.579	ng	
88) Benzo(k)fluoranthene	14.83	252	82505m	8.033	ng	
89) Benzo(a)pyrene	15.14	252	114322	11.152	ng	96
90) Dibenzo(a,h)anthracene	16.53	278	24448	3.032	ng	93
91) Benzo(g,h,i)perylene	16.93	276	75591	9.046	ng	96

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

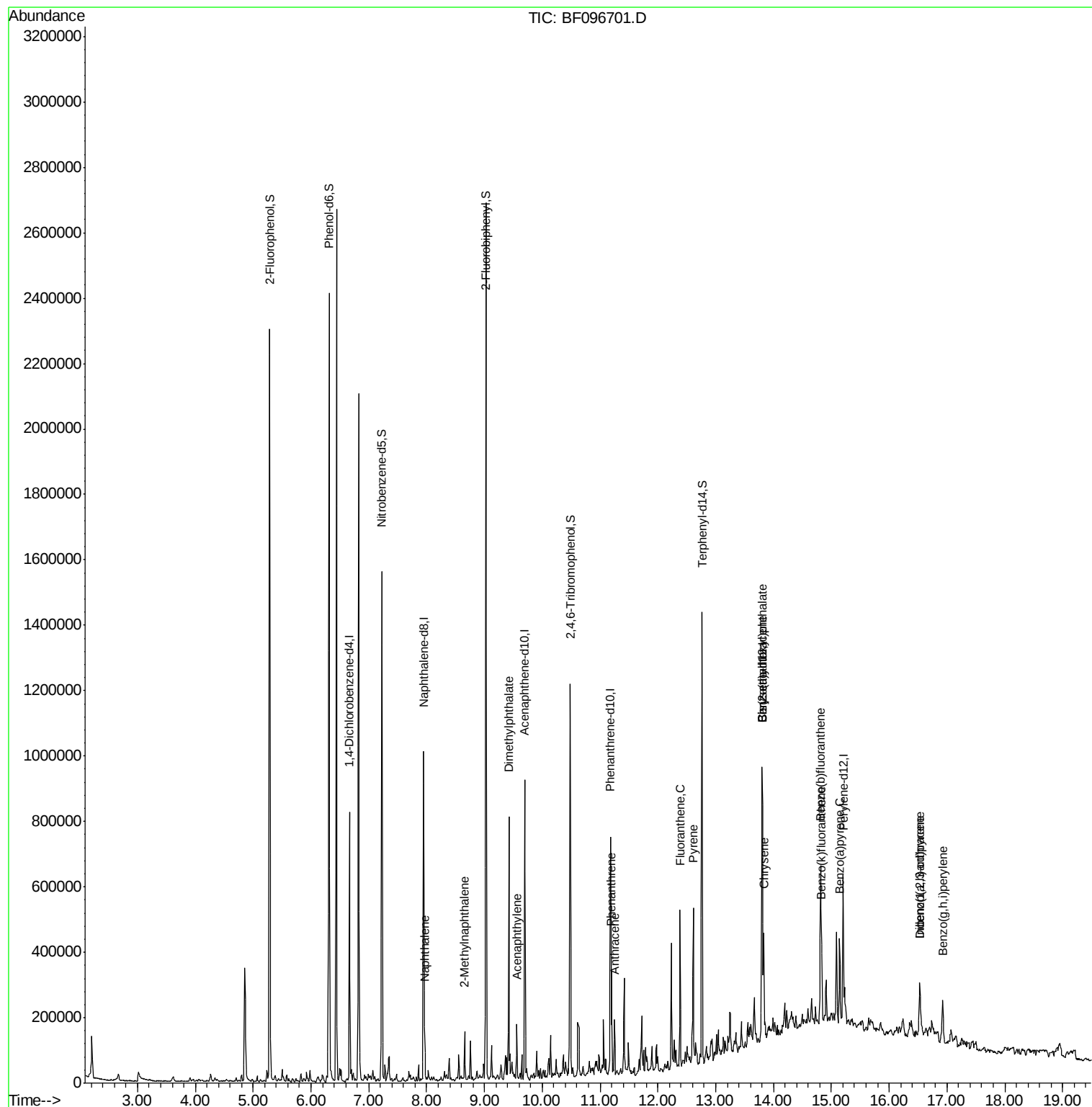
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071217\
Data File : BF096701.D
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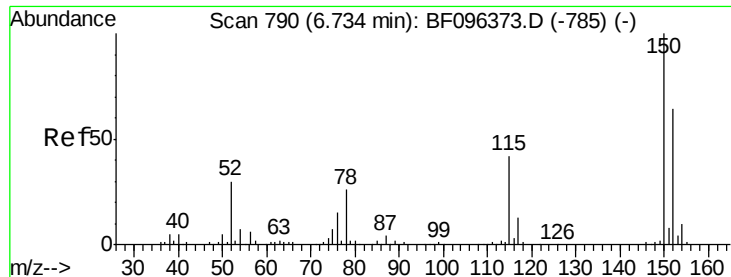
Instrument :
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TP3-0-3

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#1

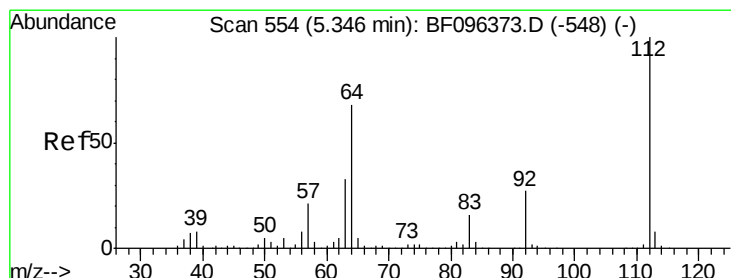
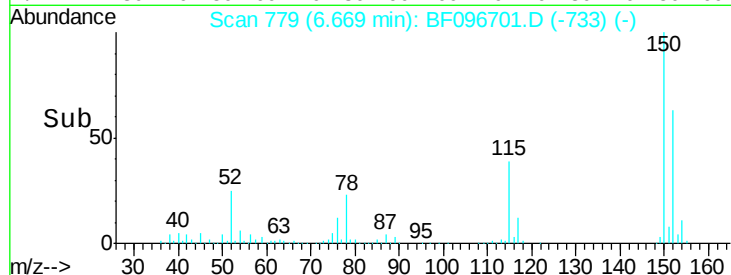
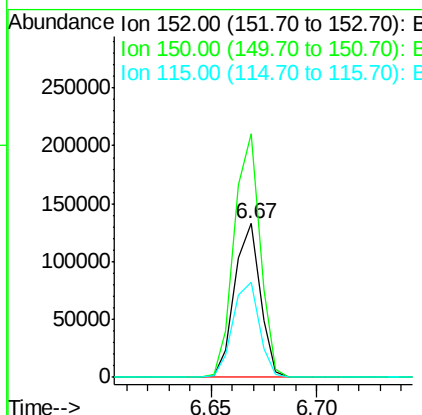
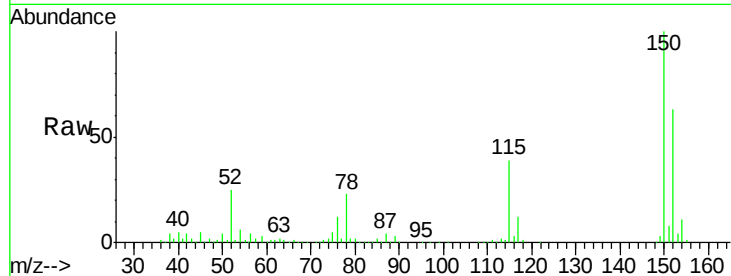
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.03 min
Lab File: BF096701.D
Acq: 12 Jul 2017 19:39

Instrument :
BNA_F
ClientSampleId :
TP3-0-3

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	62.1	52.2	78.2

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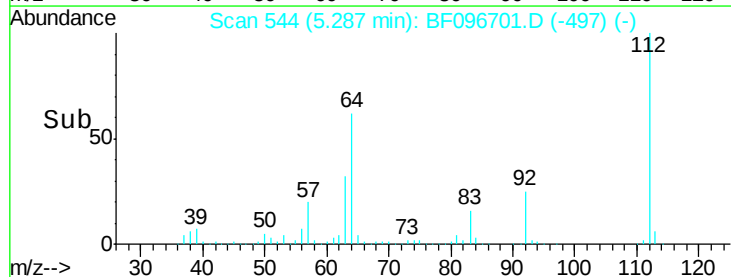
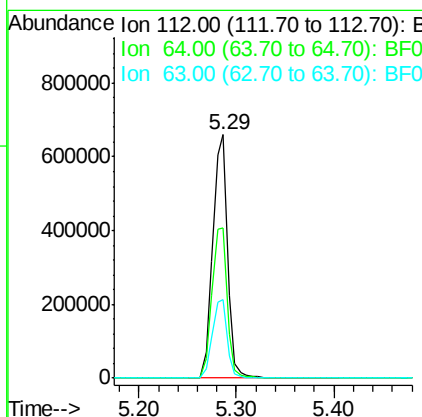
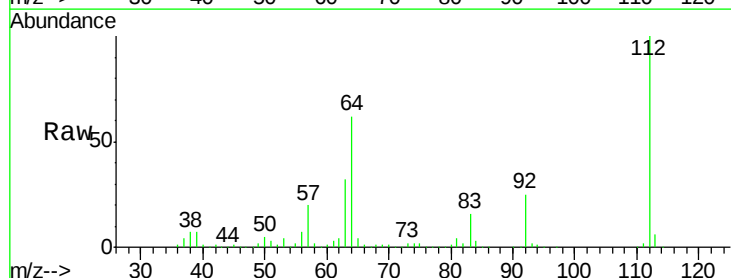
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#5

2-Fluorophenol
Concen: 91.713 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF096701.D
Acq: 12 Jul 2017 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	46.0	69.0
63	32.1	23.4	35.0





#7

Phenol-d6

Concen: 91.154 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.03 min

Lab File: BF096701.D

Acq: 12 Jul 2017 19:39

Instrument :

BNA_F

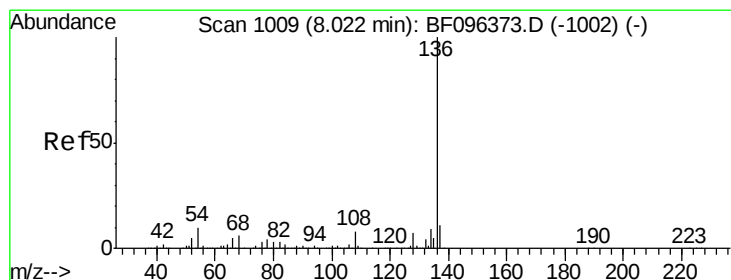
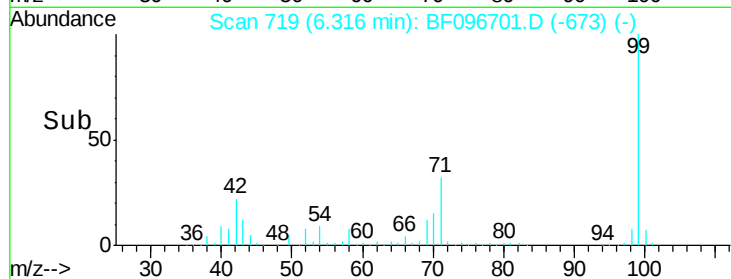
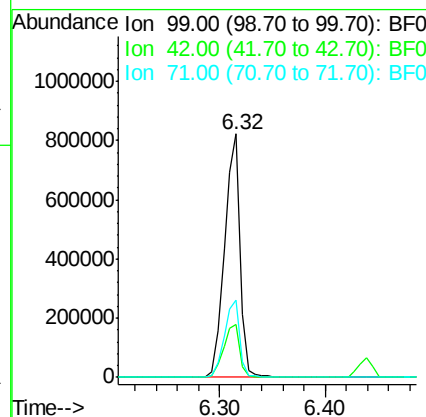
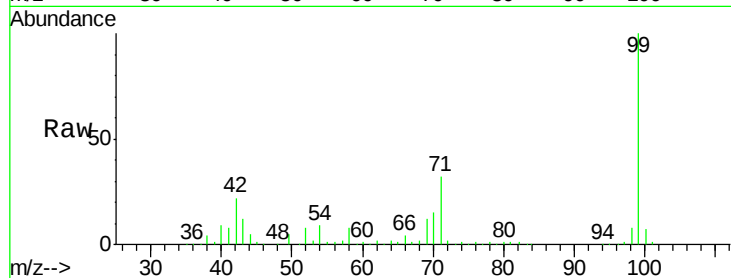
ClientSampled :

TP3-0-3

Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.7	13.5	20.3#
71	31.8	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

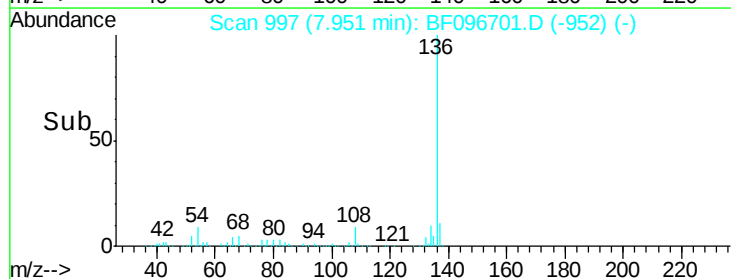
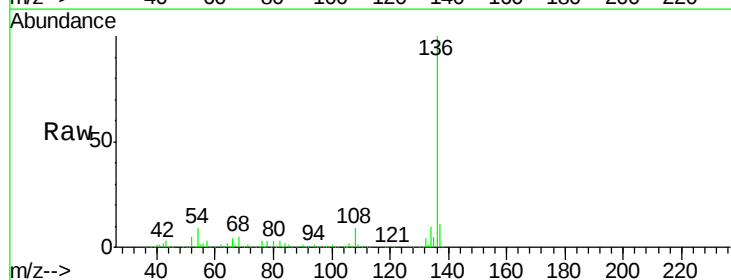
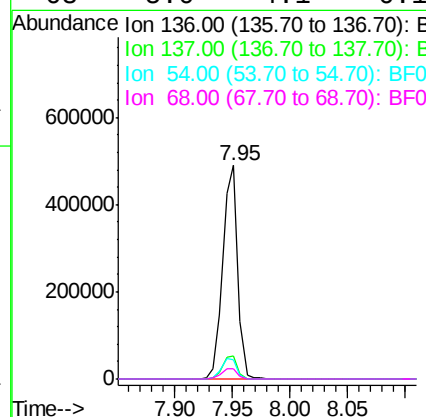
RT: 7.95 min Scan# 997

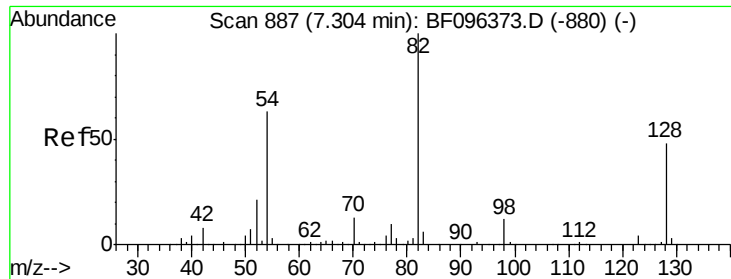
Delta R.T. -0.04 min

Lab File: BF096701.D

Acq: 12 Jul 2017 19:39

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	9.1	4.9	7.3#
68	5.0	4.1	6.1





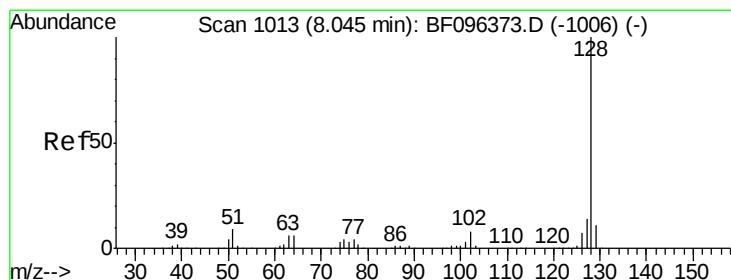
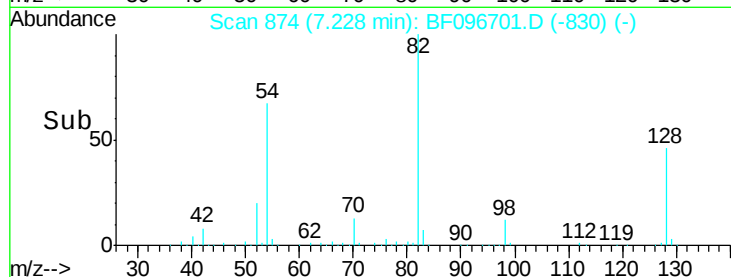
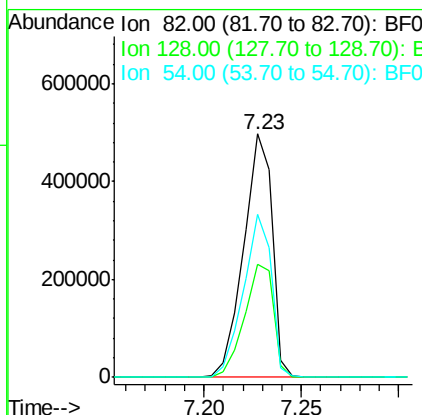
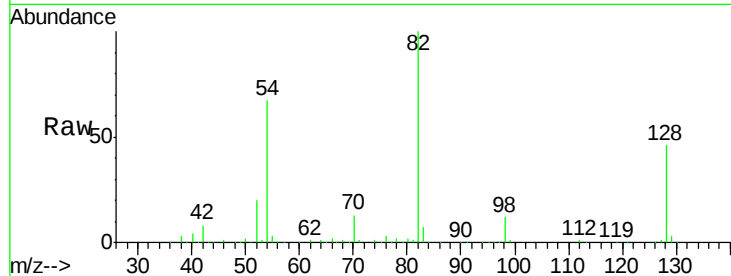
#23
Nitrobenzene-d5
Concen: 69.411 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.04 min
Lab File: BF096701.D
Acq: 12 Jul 2017 19:39

Instrument :
BNA_F
ClientSampleId :
TP3-0-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	46.2	34.0	51.0
54	67.0	42.2	63.2

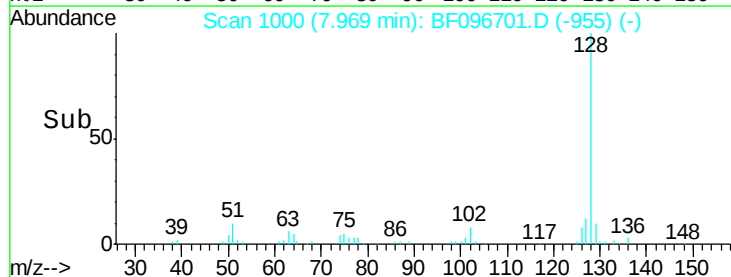
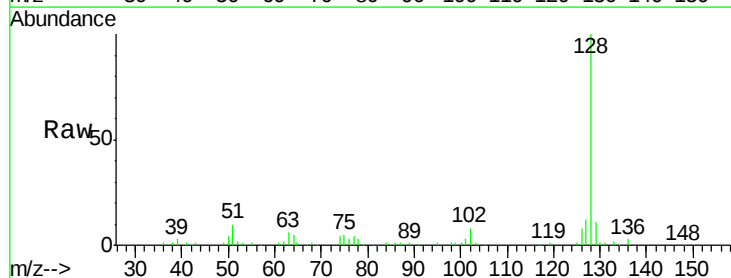
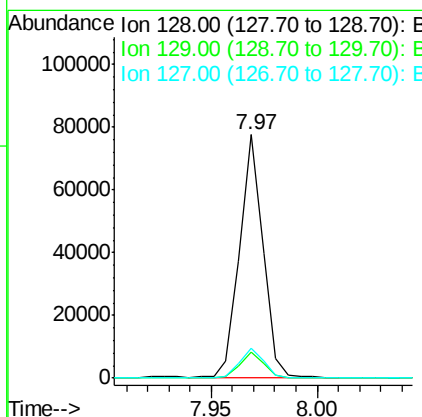
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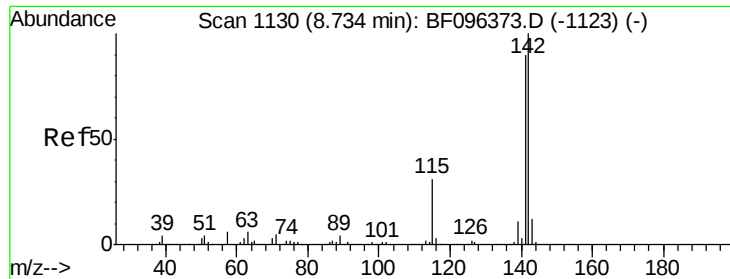
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#31
Naphthalene
Concen: 2.897 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.04 min
Lab File: BF096701.D
Acq: 12 Jul 2017 19:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.6	9.0	13.6
127	12.0	10.8	16.2





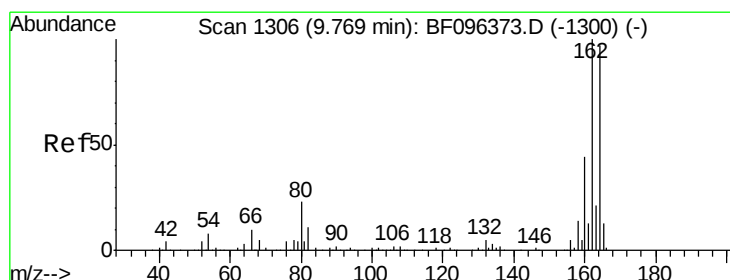
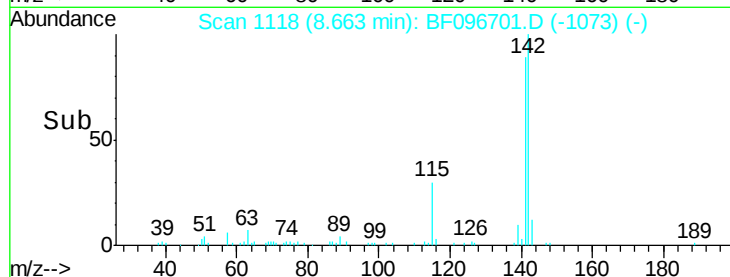
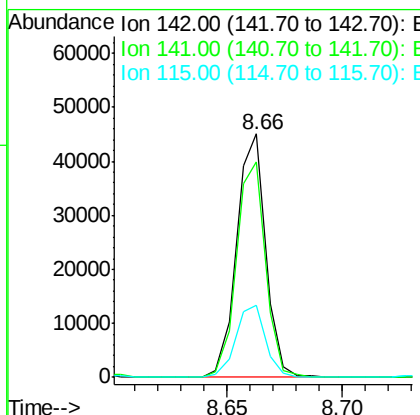
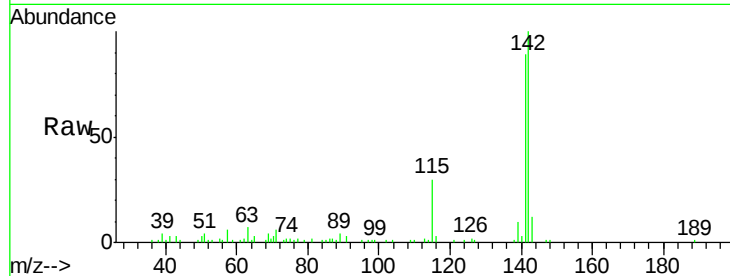
#37
2-Methylnaphthalene
Concen: 3.012 ng
RT: 8.66 min Scan# 1118
Delta R.T. -0.04 min
Lab File: BF096701.D
Acq: 12 Jul 2017 19:39

Instrument :
BNA_F
ClientSampleId :
TP3-0-3

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9
115	29.7	27.1	40.7

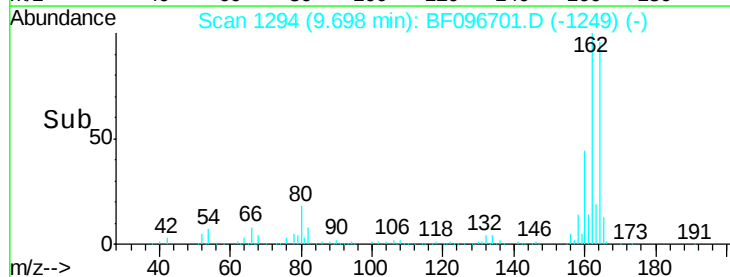
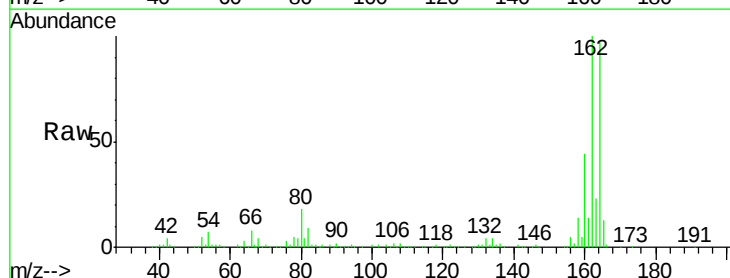
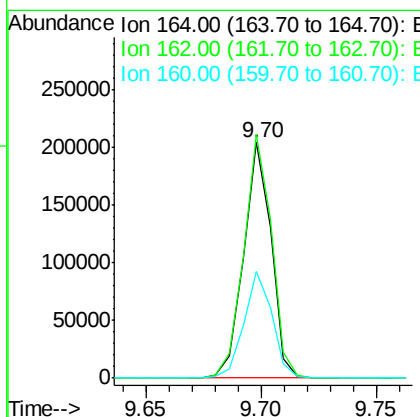
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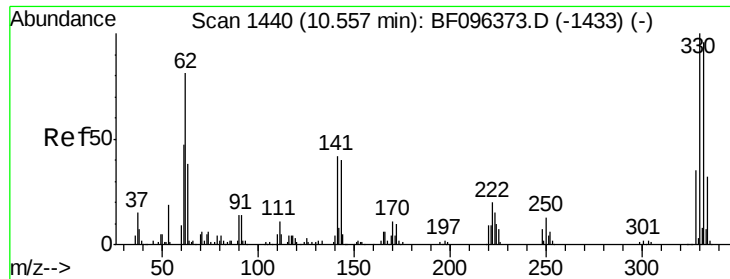
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.04 min
Lab File: BF096701.D
Acq: 12 Jul 2017 19:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	45.2	36.2	54.2





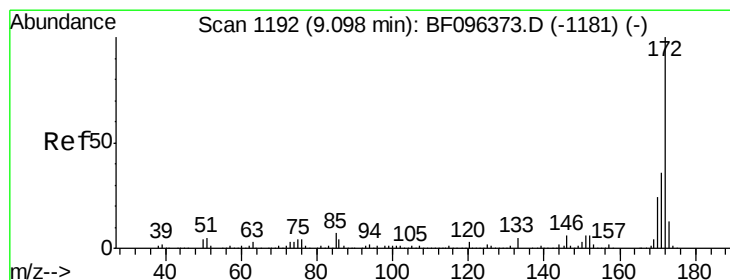
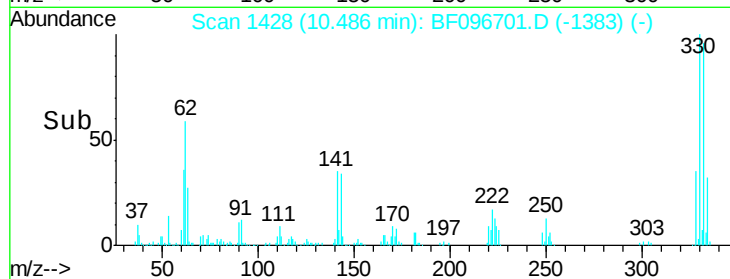
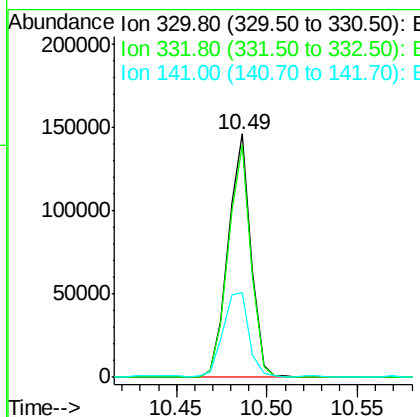
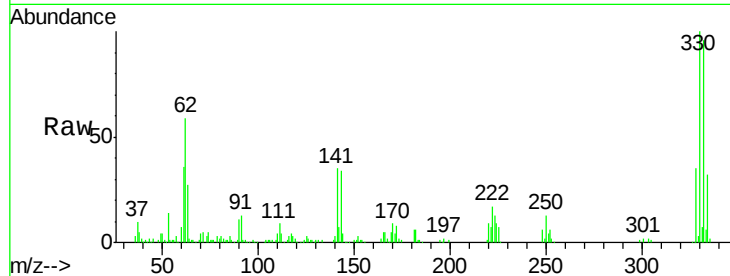
#41
 2,4,6-Tribromophenol
 Concen: 96.378 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 TP3-0-3

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	128034		
332	95.2	76.6	115.0	
141	38.8	31.4	47.2	

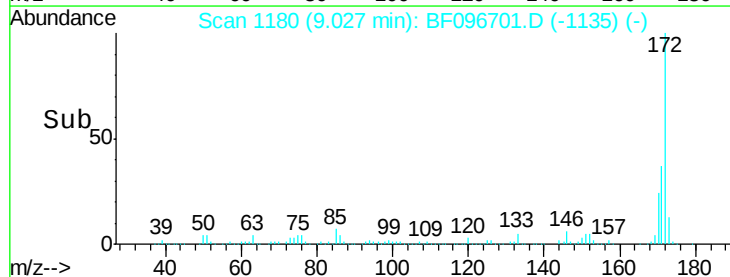
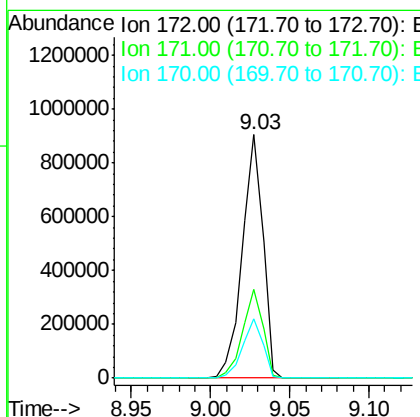
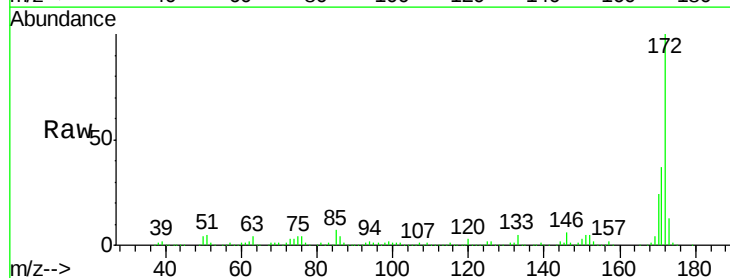
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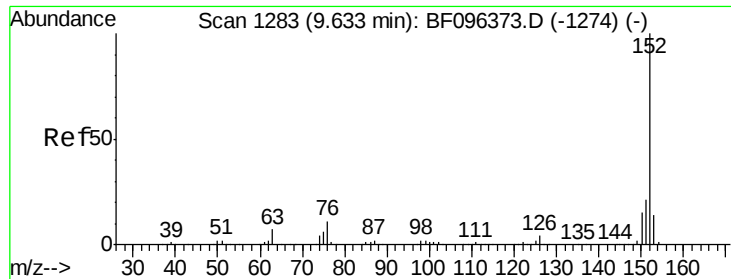
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#44
 2-Fluorobiphenyl
 Concen: 82.038 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	816034		
171	36.7	29.6	44.4	
170	24.3	19.8	29.8	





#48

Acenaphthylene

Concen: 3.437 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.04 min

Lab File: BF096701.D

Acq: 12 Jul 2017 19:39

Instrument :

BNA_F

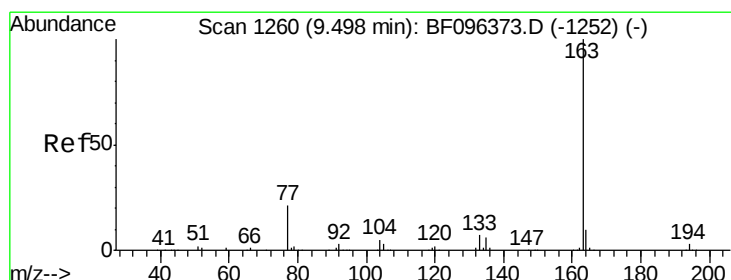
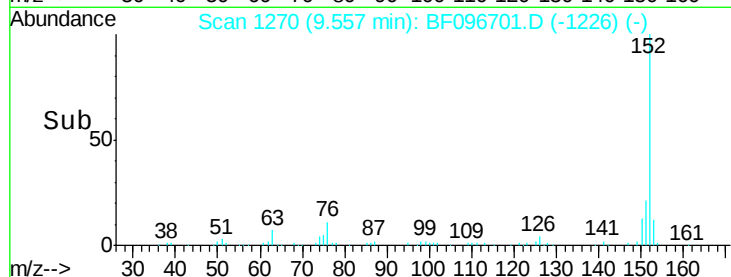
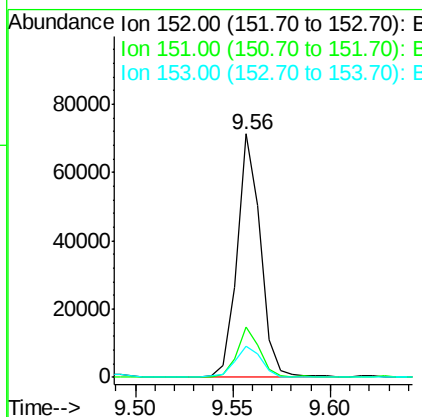
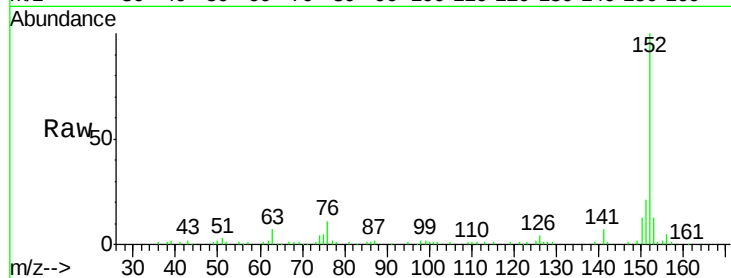
ClientSampleId :

TP3-0-3

Tgt Ion:	152	Resp:	59142
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.8	25.2
153	12.8	10.8	16.2

Manual Integrations
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#49

Dimethylphthalate

Concen: 22.737 ng

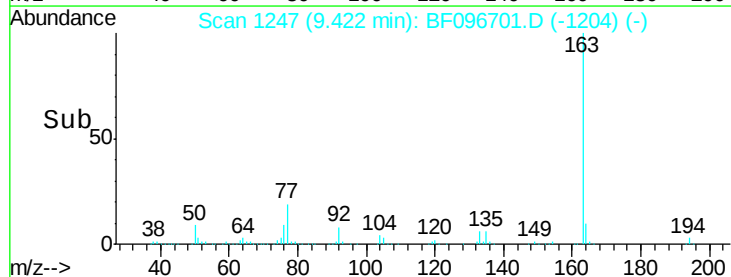
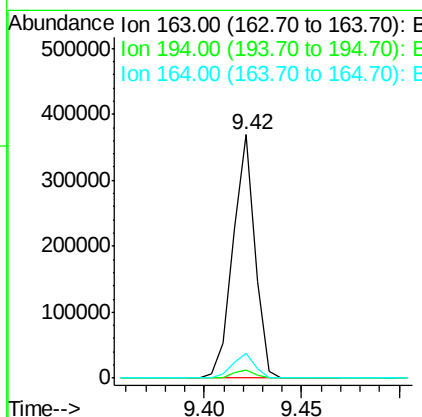
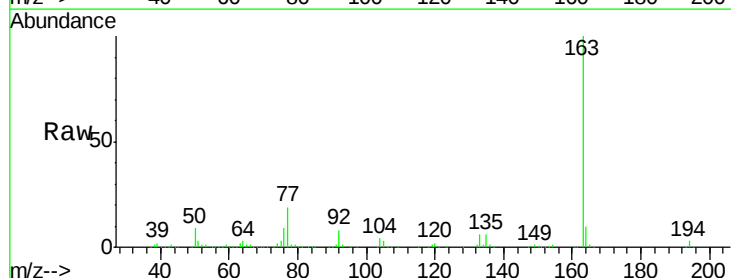
RT: 9.42 min Scan# 1247

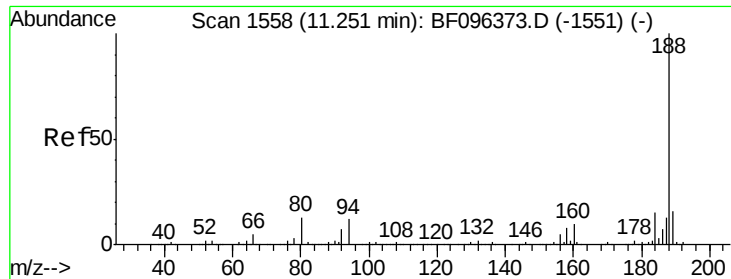
Delta R.T. -0.05 min

Lab File: BF096701.D

Acq: 12 Jul 2017 19:39

Tgt Ion:	163	Resp:	288673
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	10.0	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.04 min

Lab File: BF096701.D

Acq: 12 Jul 2017 19:39

Instrument :

BNA_F

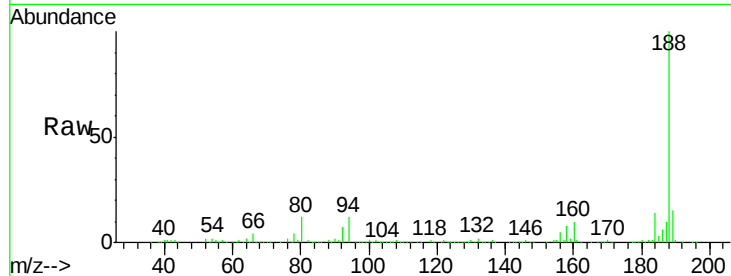
ClientSampleId :

TP3-0-3

Tgt Ion:	188	Resp:	246753
Ion Ratio	Lower	Upper	
188	100		
94	12.4	9.4	14.2
80	12.3	10.2	15.2

Manual Integrations
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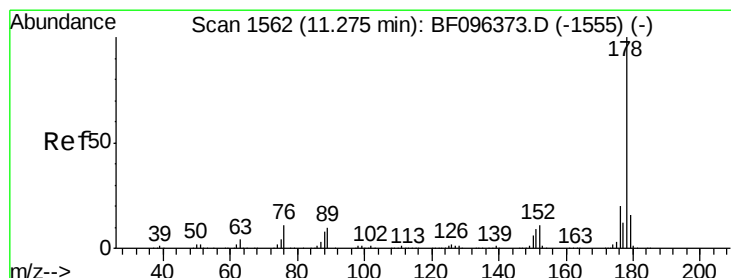
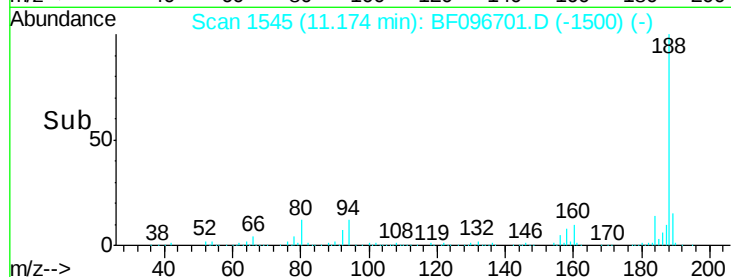
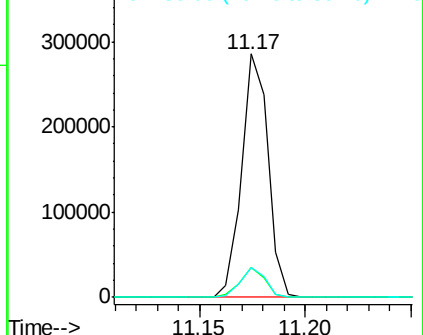
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 7.805 ng

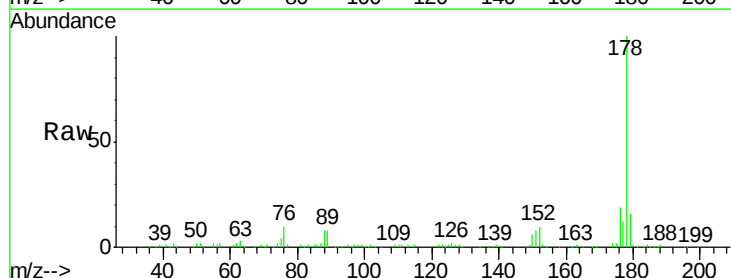
RT: 11.20 min Scan# 1549

Delta R.T. -0.04 min

Lab File: BF096701.D

Acq: 12 Jul 2017 19:39

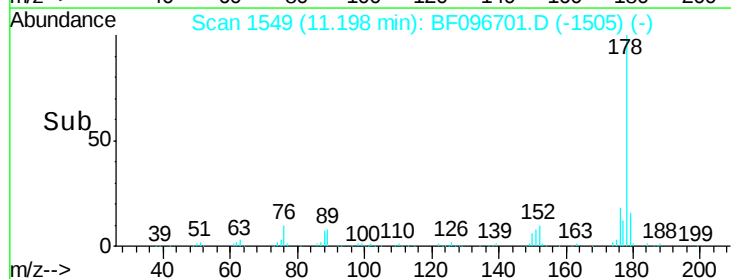
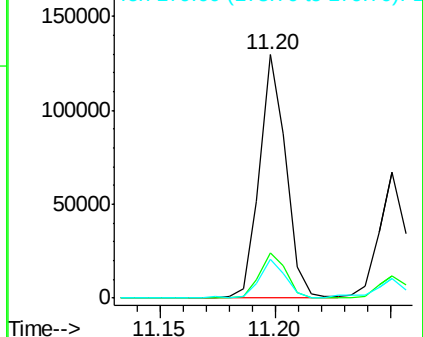
Tgt Ion:	178	Resp:	104114
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.2	24.4
179	15.9	12.6	19.0

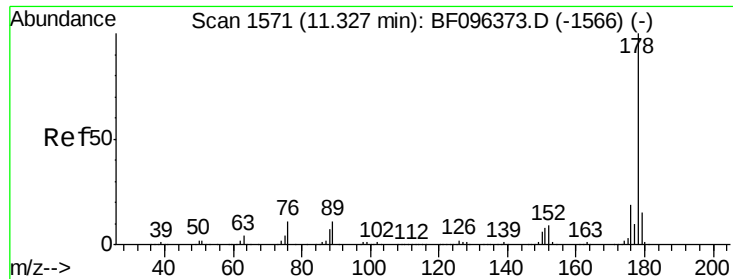


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





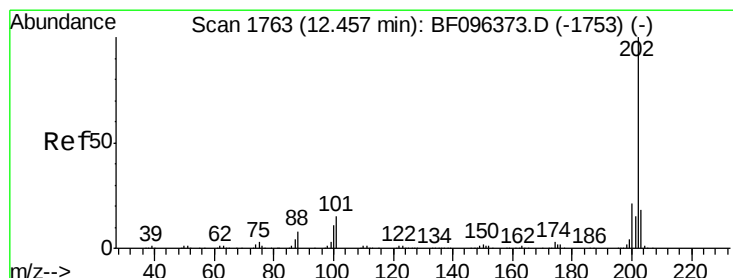
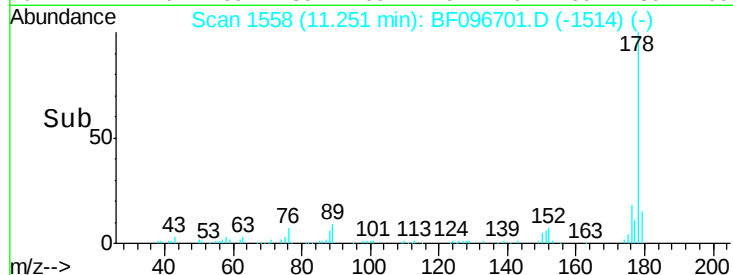
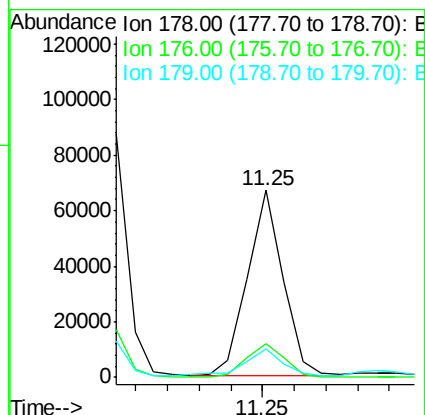
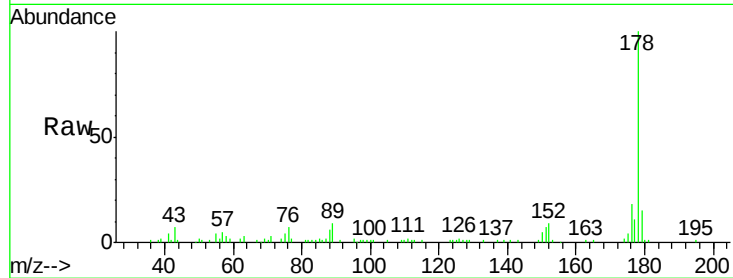
#71
 Anthracene
 Concen: 3.804 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 TP3-0-3

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	15.2	12.7	19.1

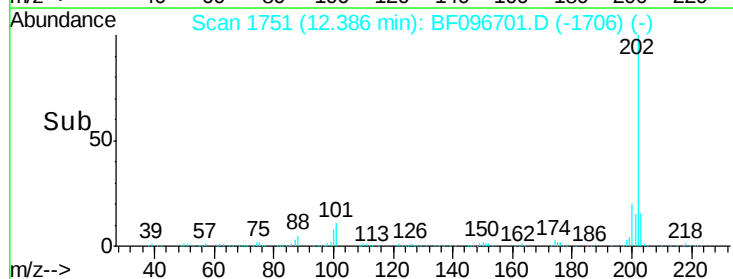
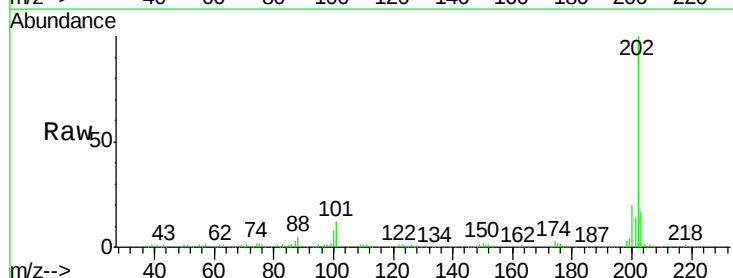
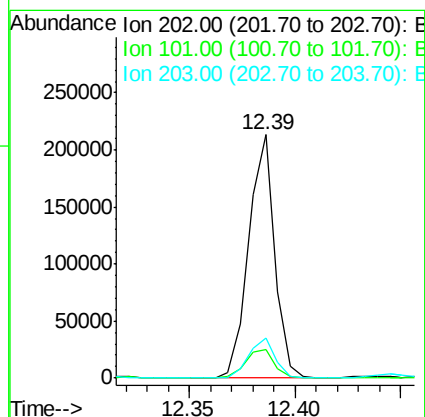
Manual Integrations
 APPROVED

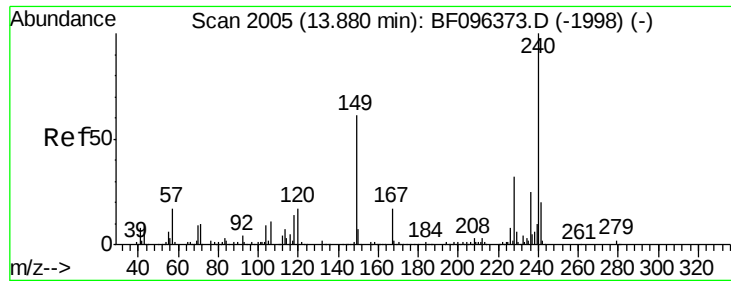
mohammad
 7/13/2017 1:38:00 PM



#74
 Fluoranthene
 Concen: 13.761 ng
 RT: 12.39 min Scan# 1751
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	33.2
203	16.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.04 min

Lab File: BF096701.D

Acq: 12 Jul 2017 19:39

Instrument :

BNA_F

ClientSampleId :

TP3-0-3

Tgt Ion:240 Resp: 185201

Ion Ratio Lower Upper

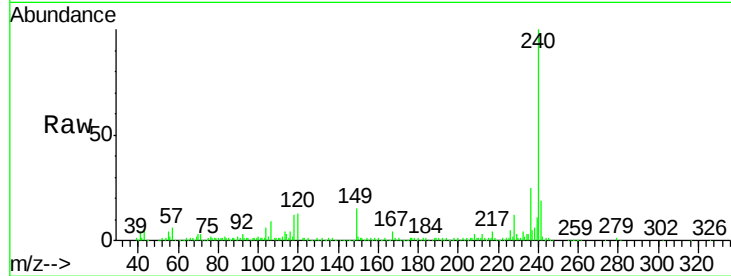
240 100

120 13.1 5.8 8.8#

236 25.1 20.5 30.7

Manual Integrations
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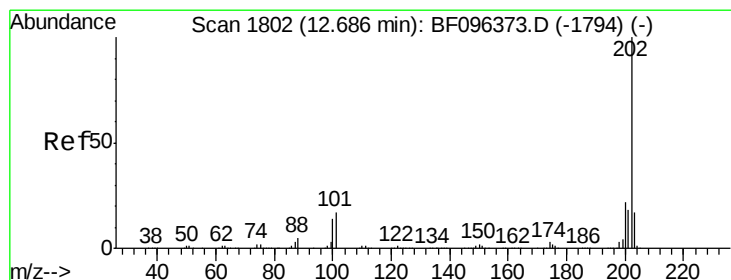
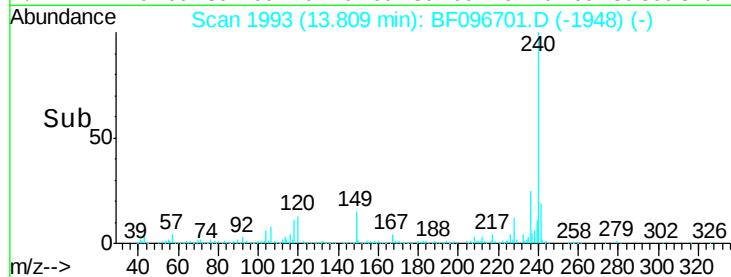
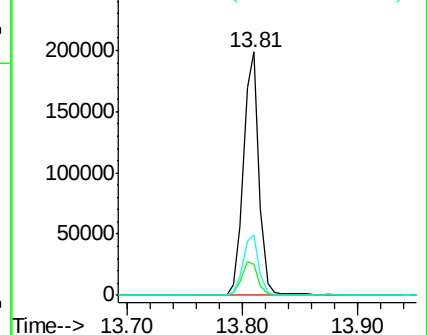
mohammad
7/13/2017 1:38:00 PM



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: 12.489 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.04 min

Lab File: BF096701.D

Acq: 12 Jul 2017 19:39

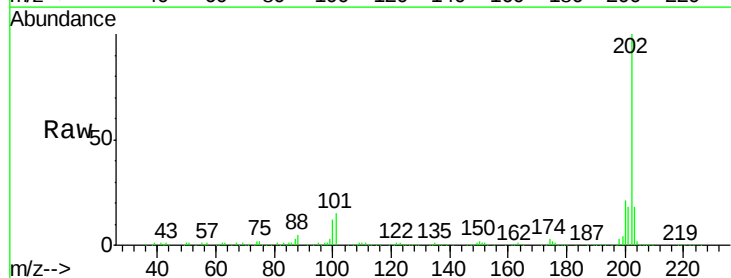
Tgt Ion:202 Resp: 185649

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

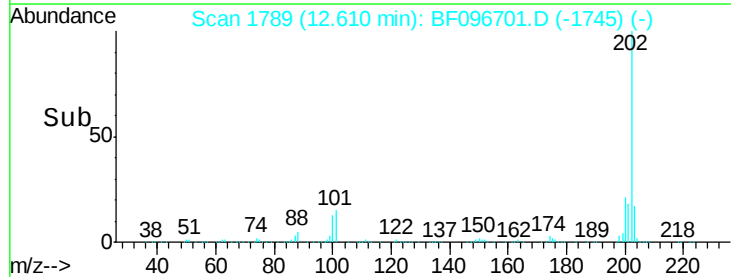
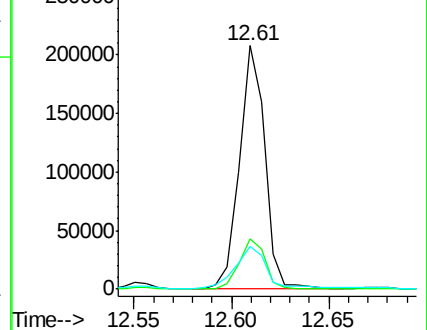
203 17.6 14.4 21.6

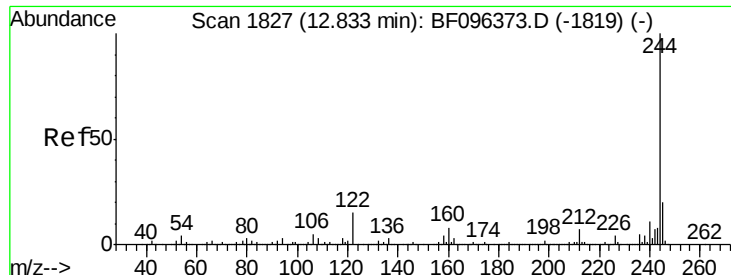


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





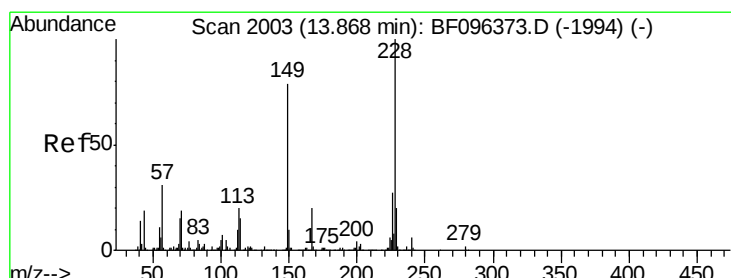
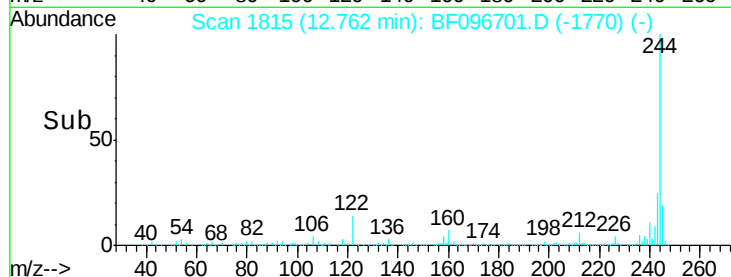
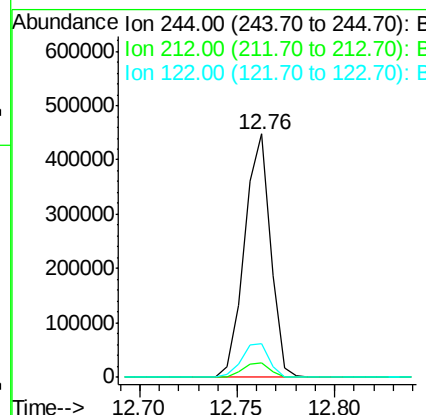
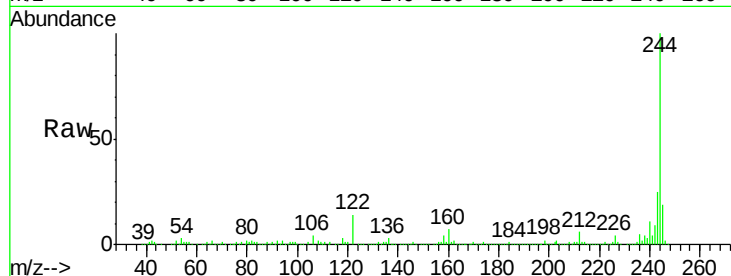
#78
 Terphenyl-d14
 Concen: 47.717 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 TP3-0-3

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	13.9	10.3	15.5

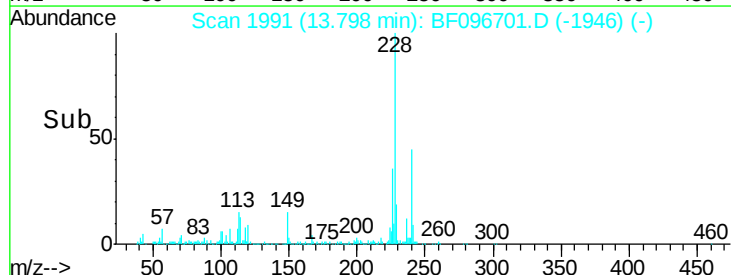
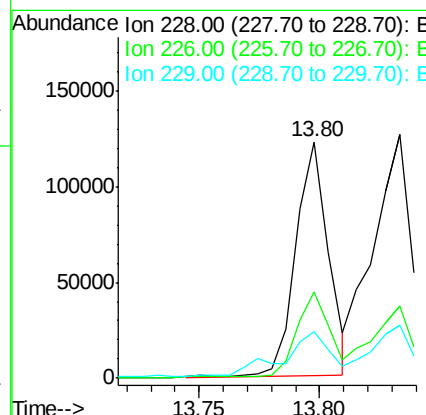
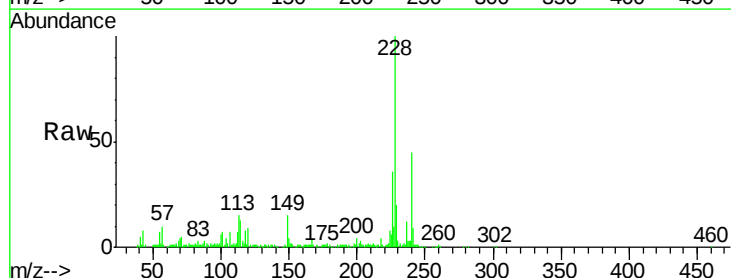
Manual Integrations
 APPROVED

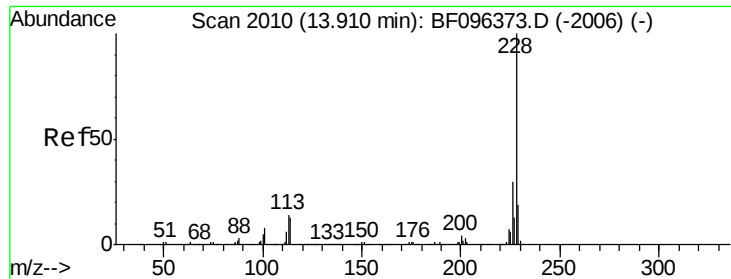
mohammad
 7/13/2017 1:38:00 PM



#80
 Benzo(a)anthracene
 Concen: 10.845 ng m
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.4	22.6	33.8#
229	19.7	16.3	24.5





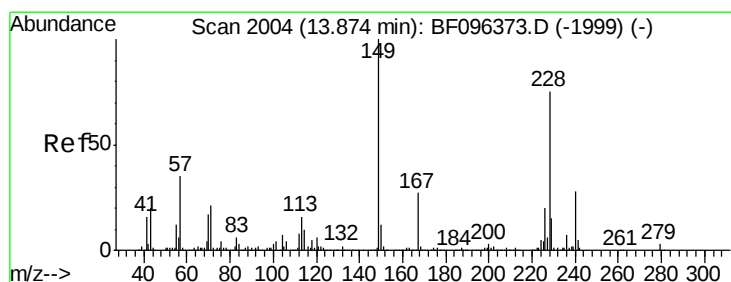
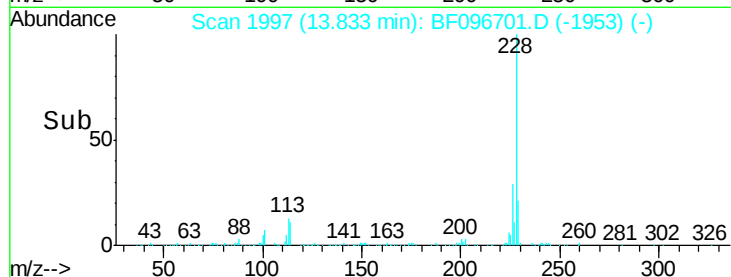
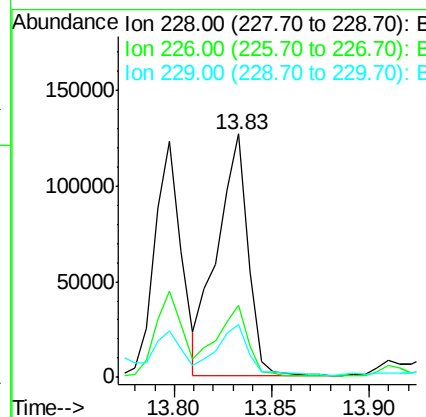
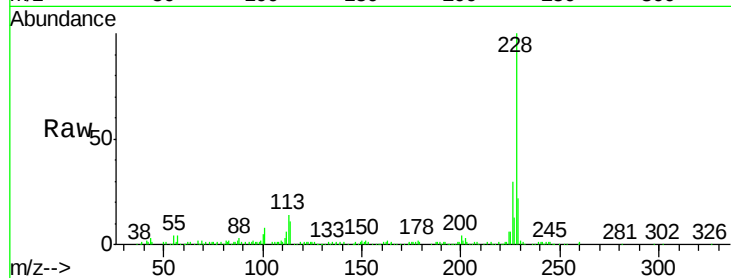
#82
Chrysene
Concen: 12.353 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.04 min
Lab File: BF096701.D
Acq: 12 Jul 2017 19:39

Instrument :
BNA_F
ClientSampleId :
TP3-0-3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	21.7	15.8	23.6

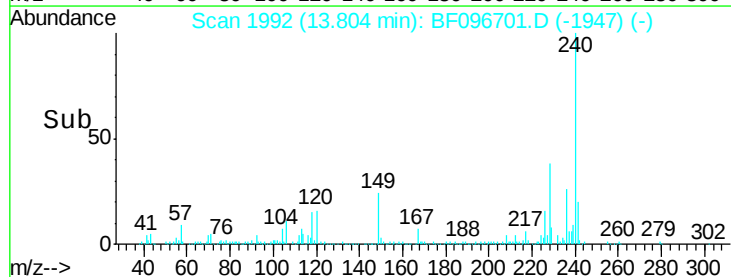
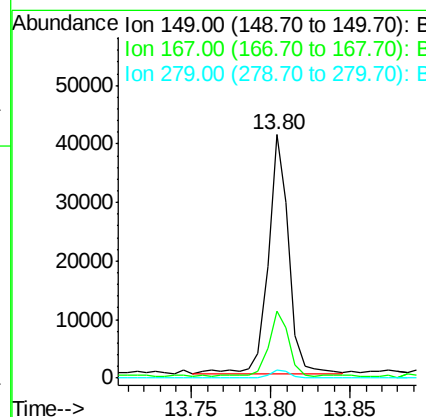
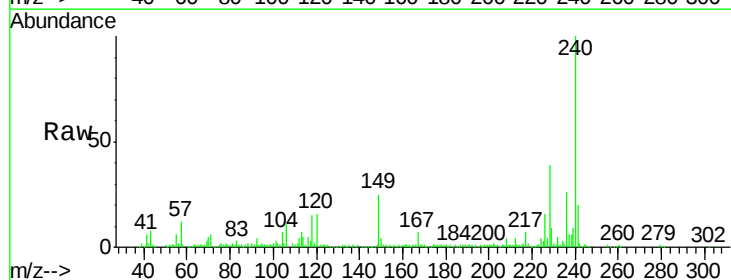
Manual Integrations
APPROVED

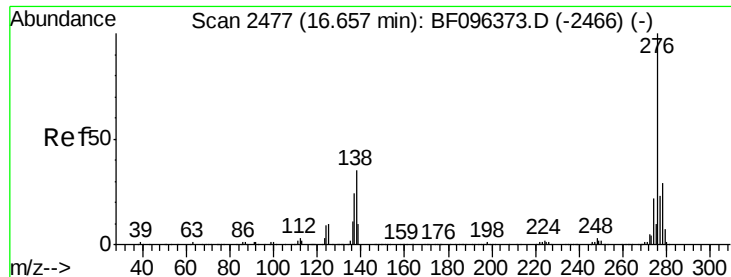
mohammad
7/13/2017 1:38:00 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 4.420 ng
RT: 13.80 min Scan# 1992
Delta R.T. -0.04 min
Lab File: BF096701.D
Acq: 12 Jul 2017 19:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.5	21.0	31.4
279	3.1	1.9	2.9#





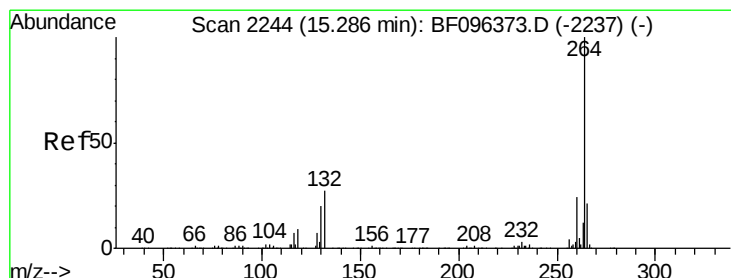
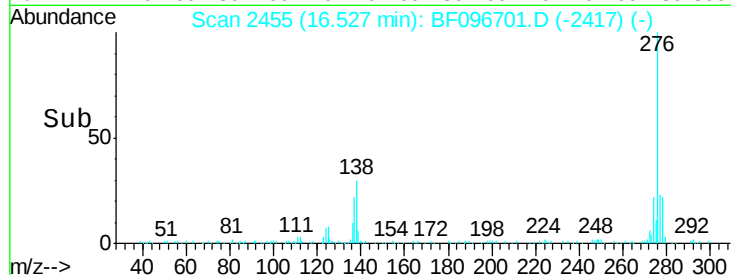
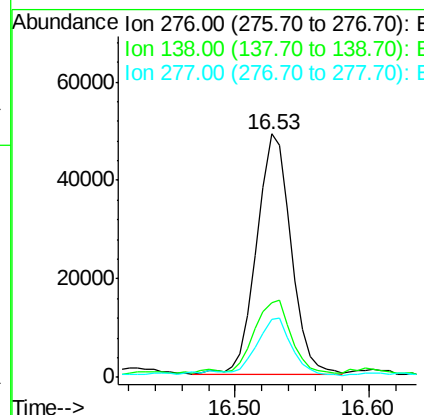
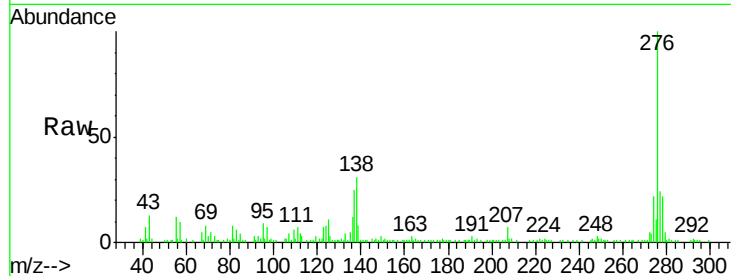
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.841 ng
 RT: 16.53 min Scan# 2455
 Delta R.T. -0.08 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 TP3-0-3

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.7	27.8	41.6
277	24.0	20.2	30.4

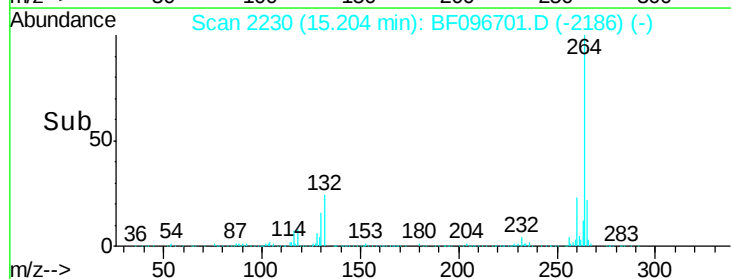
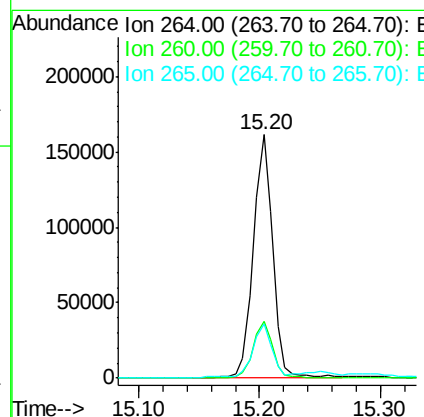
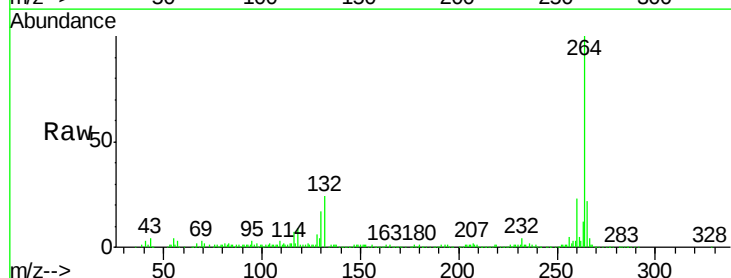
Manual Integrations
 APPROVED

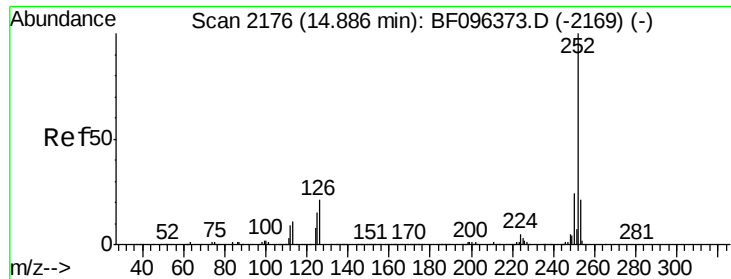
mohammad
 7/13/2017 1:38:00 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.04 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 20.579 ng m

RT: 14.82 min Scan# 2164

Delta R.T. -0.04 min

Lab File: BF096701.D

Acq: 12 Jul 2017 19:39

Instrument :

BNA_F

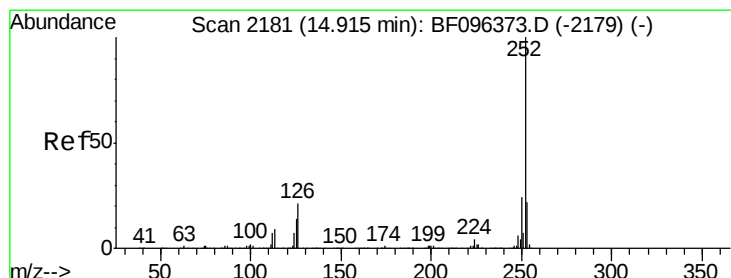
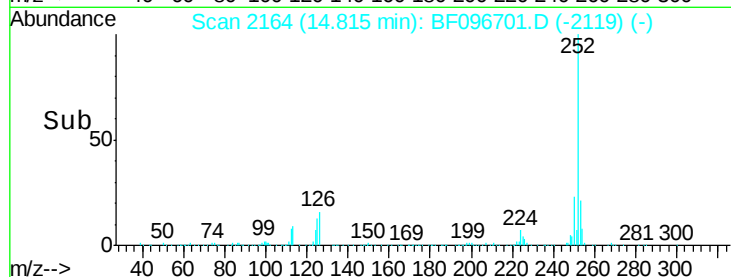
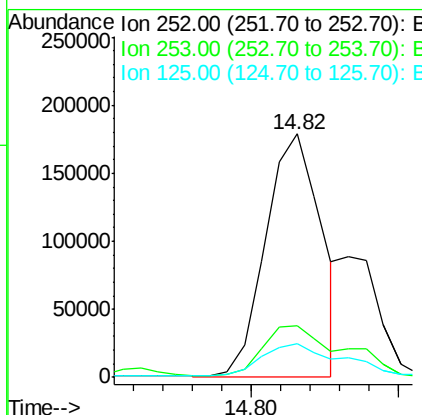
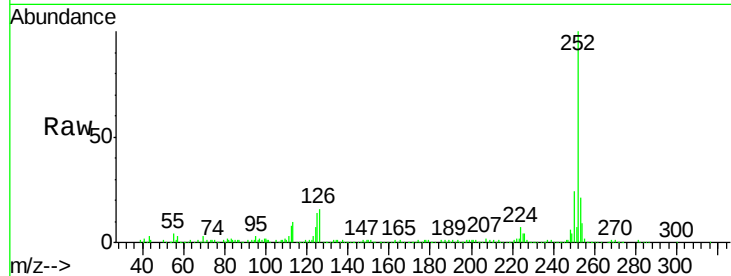
ClientSampleId :

TP3-0-3

Tgt Ion:	252	Resp:	236285
Ion Ratio	Lower	Upper	
252	100		
253	21.4	18.1	27.1
125	13.8	9.8	14.8

Manual Integrations
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mohammad
7/13/2017 1:38:00 PM



#88

Benzo(k)fluoranthene

Concen: 8.033 ng m

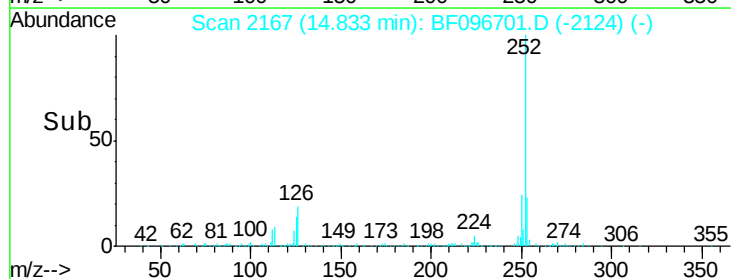
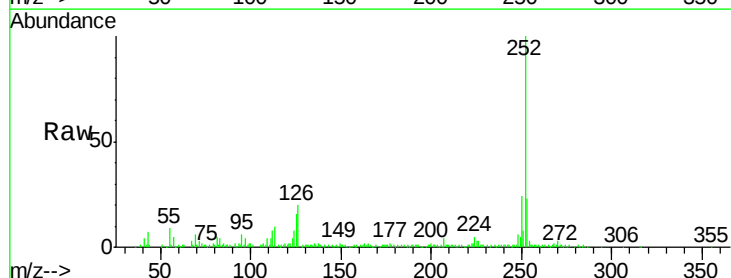
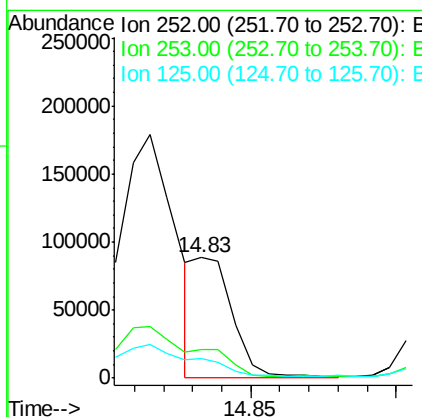
RT: 14.83 min Scan# 2167

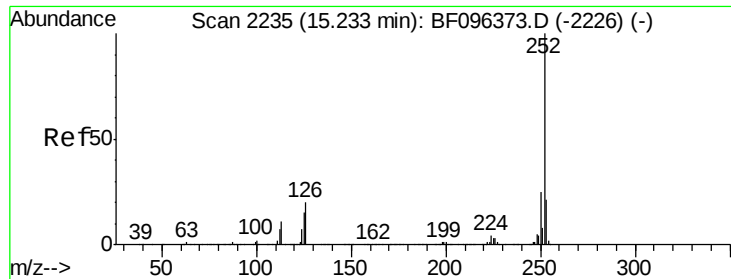
Delta R.T. -0.05 min

Lab File: BF096701.D

Acq: 12 Jul 2017 19:39

Tgt Ion:	252	Resp:	82505
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	16.3	13.1	19.7





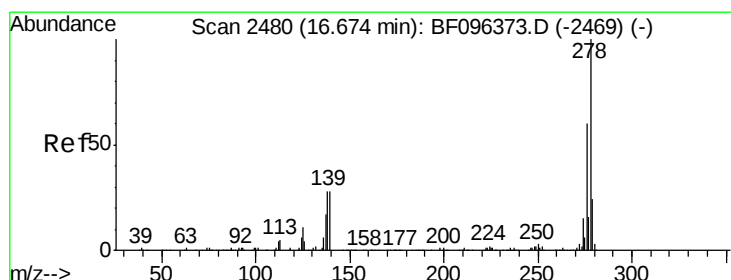
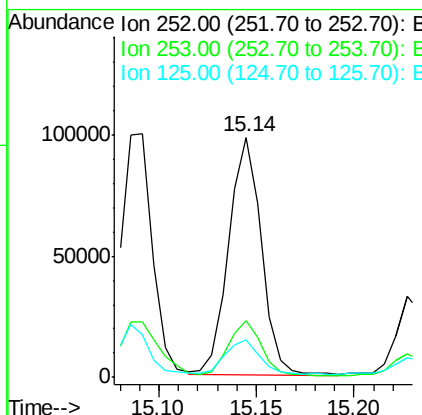
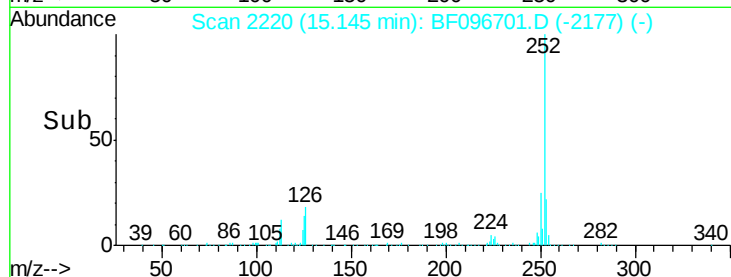
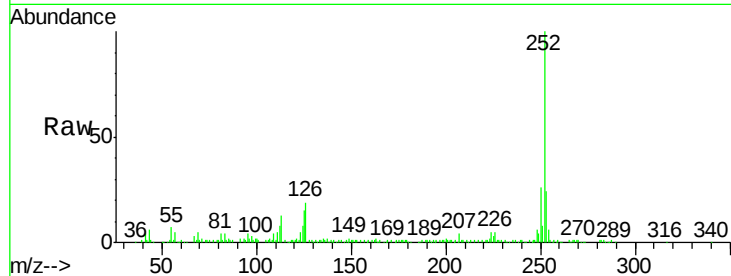
#89
Benzo(a)pyrene
Concen: 11.152 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.05 min
Lab File: BF096701.D
Acq: 12 Jul 2017 19:39

Instrument :
BNA_F
ClientSampled :
TP3-0-3

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	114322		
253	23.5	17.5	26.3	
125	15.4	11.0	16.4	

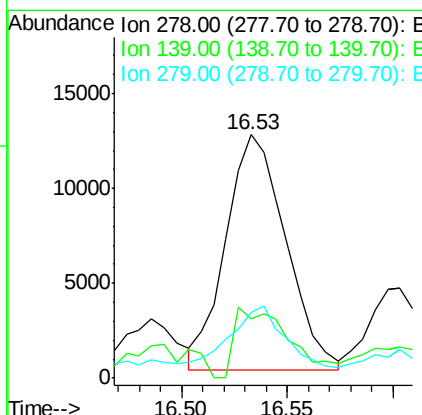
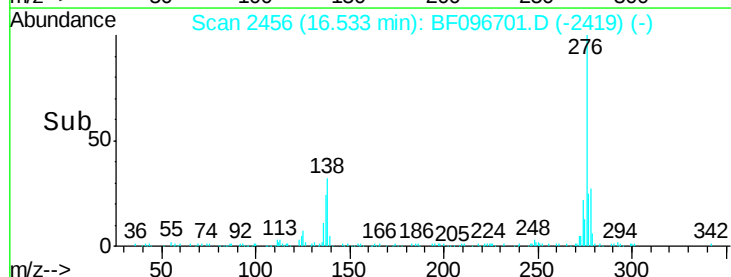
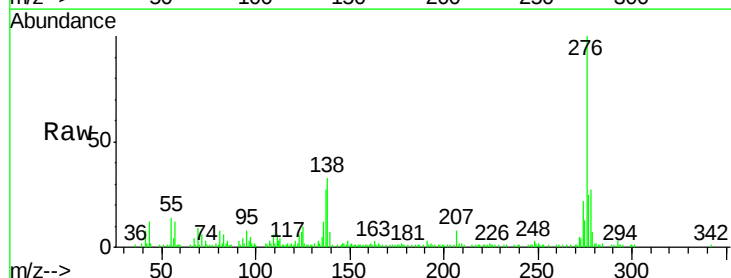
Manual Integrations
APPROVED

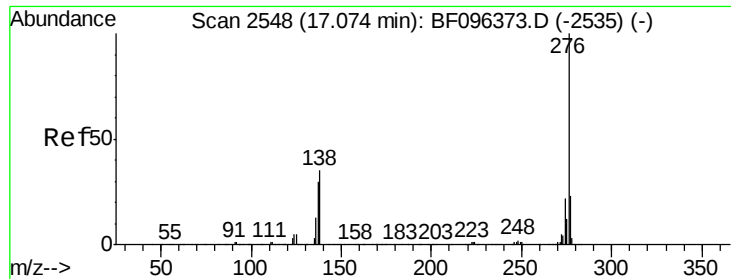
mohammad
7/13/2017 1:38:00 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.032 ng
RT: 16.53 min Scan# 2456
Delta R.T. -0.08 min
Lab File: BF096701.D
Acq: 12 Jul 2017 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	24448		
139	24.5	16.6	24.8	
279	27.0	19.3	28.9	





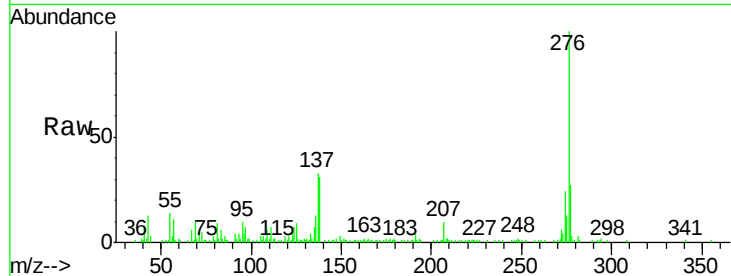
#91
 Benzo(g,h,i)perylene
 Concen: 9.046 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.08 min
 Lab File: BF096701.D
 Acq: 12 Jul 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 TP3-0-3

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	18.6	28.0
138	31.3	25.4	38.0

Manual Integrations
 APPROVED

mohammad
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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

