

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071217\
 Data File : BF096700.D
 Acq On : 12 Jul 2017 19:11
 Operator : SJ/JU
 Sample : I4144-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0-3

Manual Integrations
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Quant Time: Jul 13 02:02:07 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	118745	20.00	ng	-0.03
21) Naphthalene-d8	7.95	136	486964	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	219203	20.00	ng	-0.04
63) Phenanthrene-d10	11.18	188	320010	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	211456	20.00	ng	-0.04
86) Perylene-d12	15.20	264	180058	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	751082	93.36	ng	-0.02
7) Phenol-d6	6.32	99	931076	94.14	ng	-0.03
23) Nitrobenzene-d5	7.23	82	574708	70.92	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	165237	96.50	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	919159	71.69	ng	-0.04
78) Terphenyl-d14	12.76	244	538122	54.38	ng	-0.04
Target Compounds						
31) Naphthalene	7.97	128	84871	3.692	ng	Qvalue 100
37) 2-Methylnaphthalene	8.66	142	57721	3.944	ng	97
48) Acenaphthylene	9.56	152	79803	3.598	ng	98
49) Dimethylphthalate	9.42	163	325774	19.908	ng	99
54) Dibenzofuran	9.90	168	37935	2.102	ng	# 97
70) Phenanthrene	11.20	178	119983	6.936	ng	99
71) Anthracene	11.25	178	69089	3.919	ng	99
74) Fluoranthene	12.39	202	282098	16.633	ng	97
77) Pyrene	12.61	202	265493	15.642	ng	98
80) Benzo(a)anthracene	13.80	228	205518m	16.784	ng	
82) Chrysene	13.83	228	196676	15.338	ng	96
83) Bis(2-ethylhexyl)phthalate	13.80	149	25444	2.653	ng	99
85) Indeno(1,2,3-cd)pyrene	16.53	276	86518	8.548	ng	94
87) Benzo(b)fluoranthene	14.82	252	306716m	27.185	ng	
88) Benzo(k)fluoranthene	14.84	252	71513m	7.086	ng	
89) Benzo(a)pyrene	15.14	252	133086	13.212	ng	97
90) Dibenzo(a,h)anthracene	16.54	278	23757	2.998	ng	# 84
91) Benzo(g,h,i)perylene	16.93	276	71426	8.698	ng	96

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

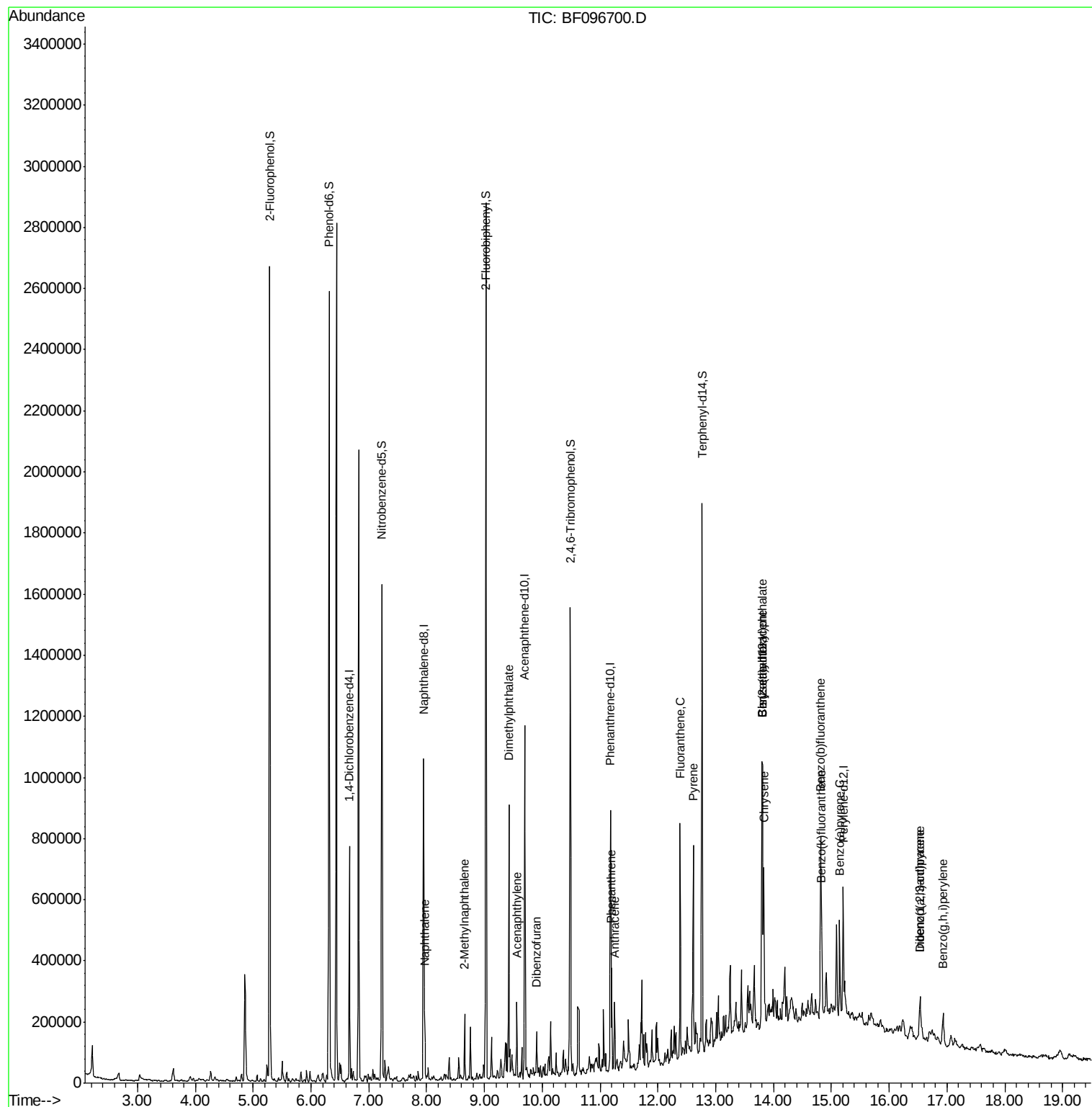
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071217\
Data File : BF096700.D
Acq On : 12 Jul 2017 19:11
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ALS Vial : 15 Sample Multiplier: 1

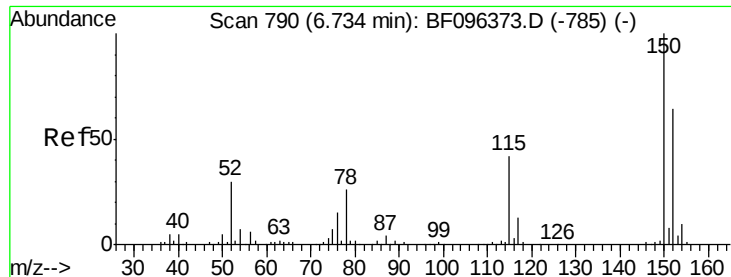
Instrument :
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ClientSampleId :
TP2-0-3

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Quant Time: Jul 13 02:02:07 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
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#1

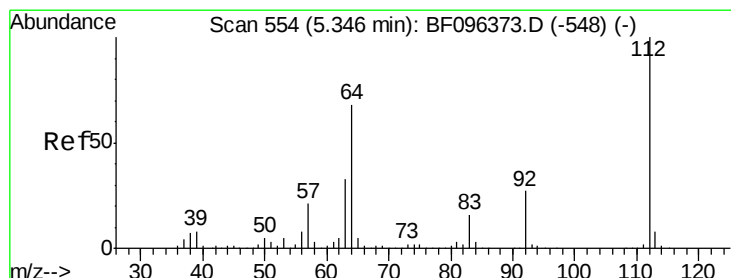
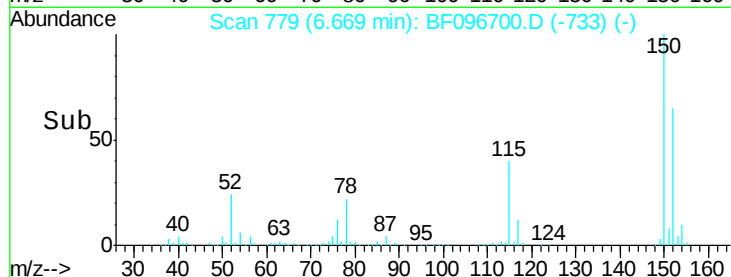
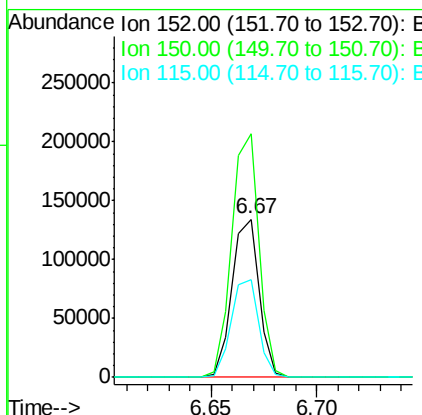
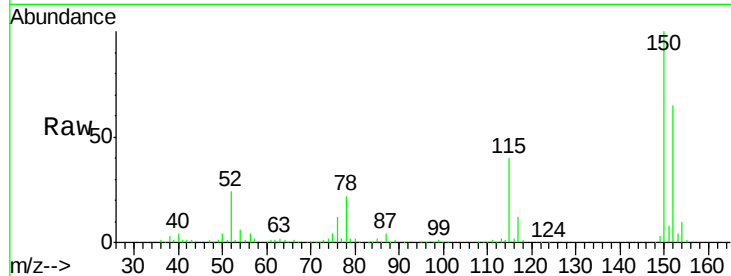
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.03 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Instrument :
BNA_F
ClientSampled :
TP2-0-3

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.2	189.2
115	61.8	52.2	78.2

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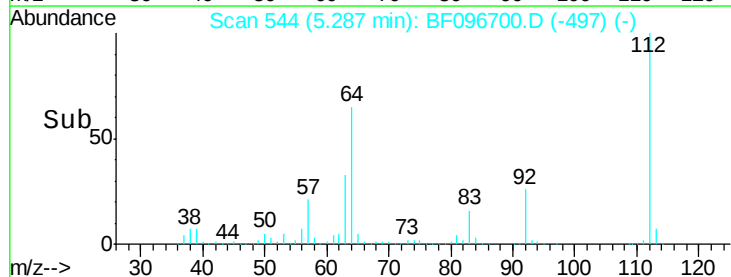
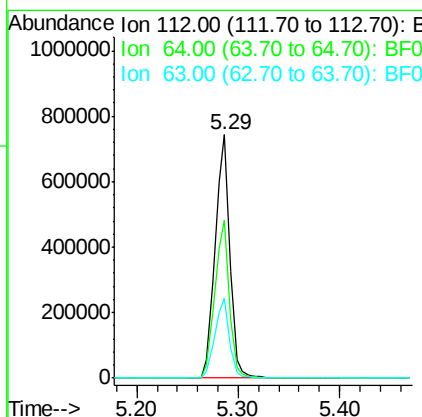
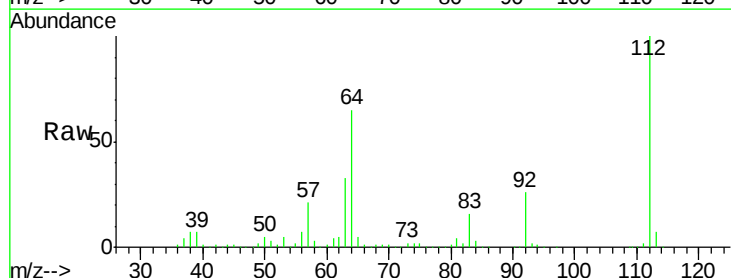
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#5

2-Fluorophenol
Concen: 93.358 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	46.0	69.0
63	32.7	23.4	35.0





#7

Phenol-d6

Concen: 94.138 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.03 min

Lab File: BF096700.D

Acq: 12 Jul 2017 19:11

Instrument :

BNA_F

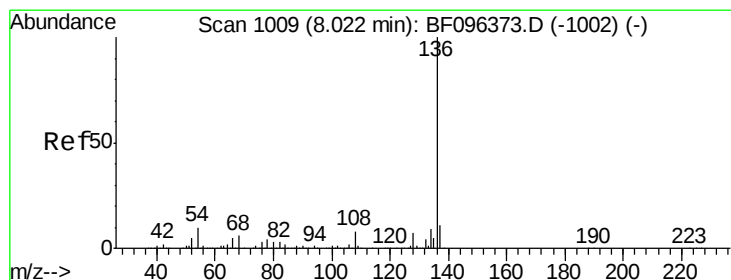
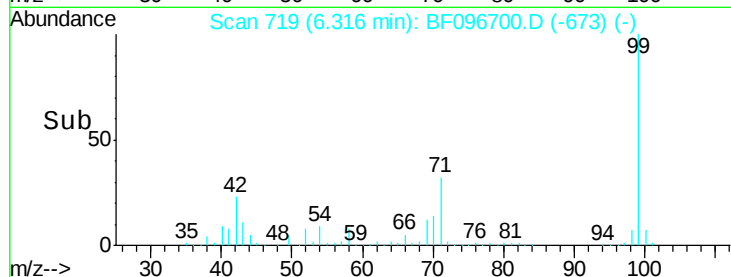
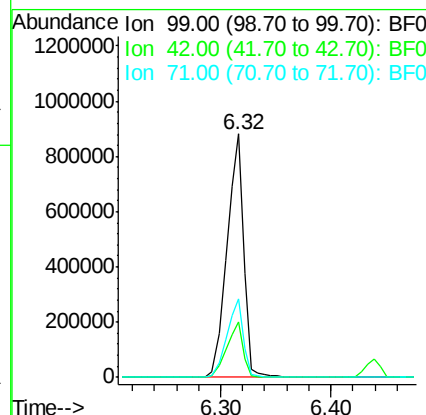
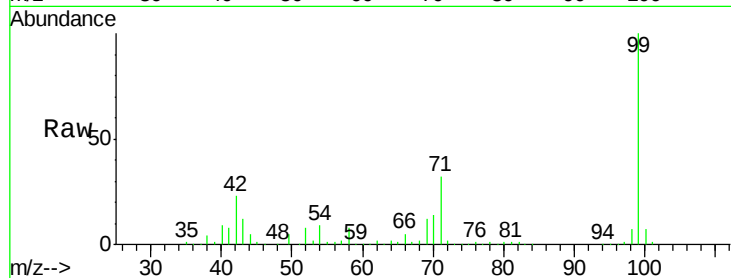
ClientSampleId :

TP2-0-3

Tgt Ion:	99	Resp:	931076
Ion Ratio	Lower	Upper	
99	100		
42	22.6	13.5	20.3#
71	32.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

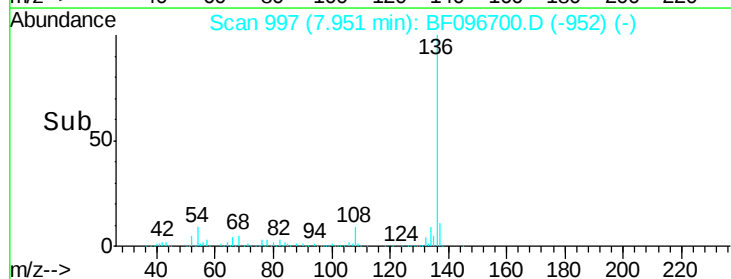
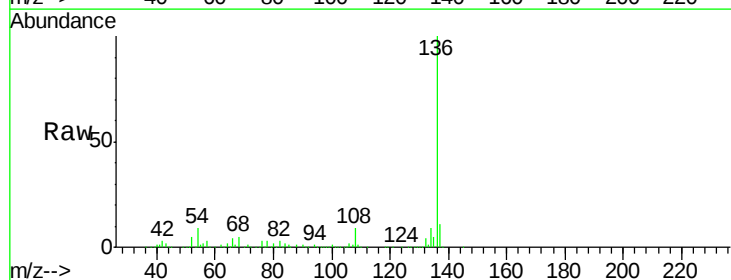
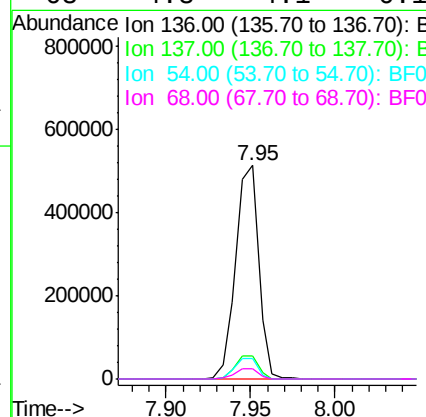
RT: 7.95 min Scan# 997

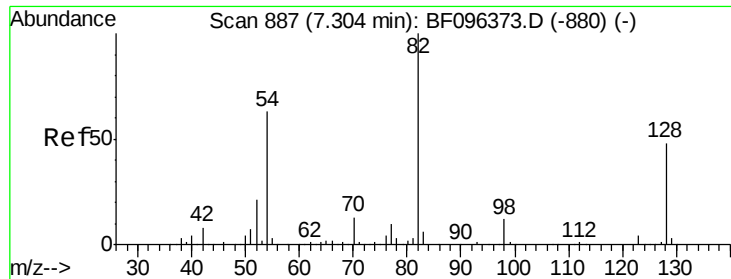
Delta R.T. -0.04 min

Lab File: BF096700.D

Acq: 12 Jul 2017 19:11

Tgt Ion:	136	Resp:	486964
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	9.4	4.9	7.3#
68	4.8	4.1	6.1





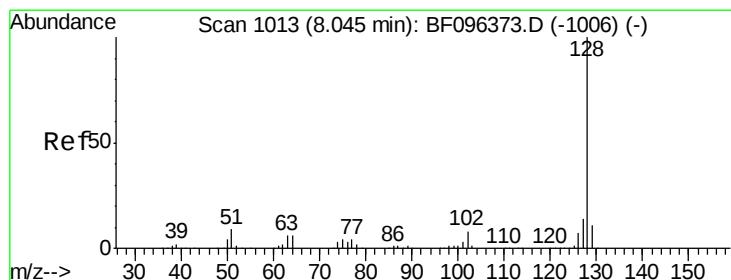
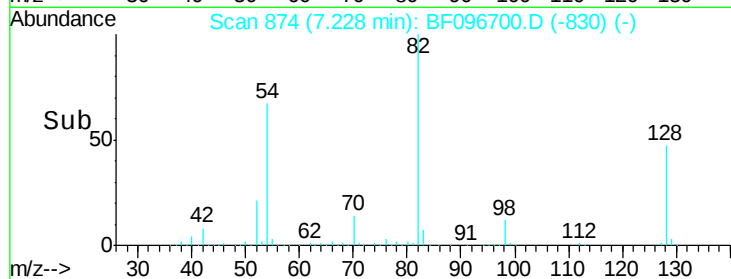
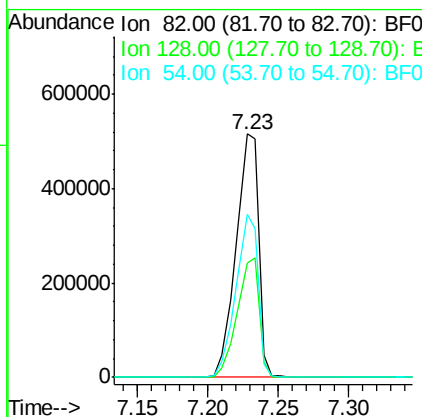
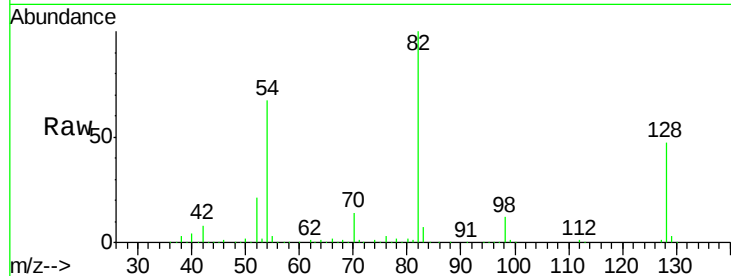
#23
Nitrobenzene-d5
Concen: 70.918 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.04 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Instrument :
BNA_F
ClientSampleId :
TP2-0-3

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.0	51.0
54	66.8	42.2	63.2

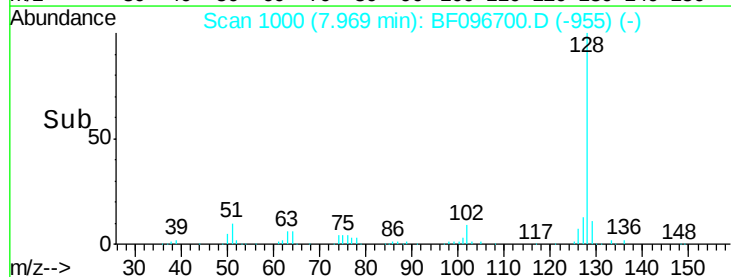
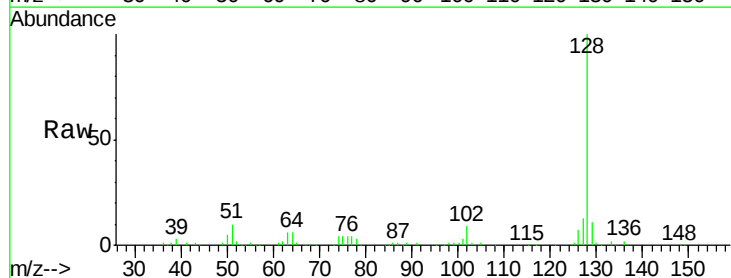
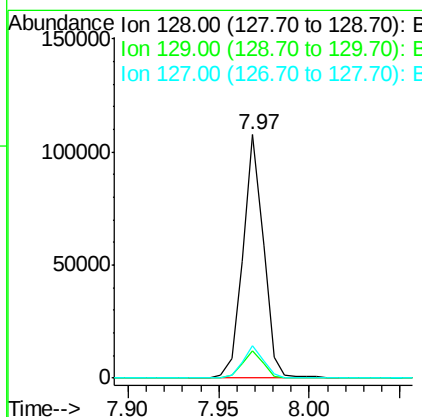
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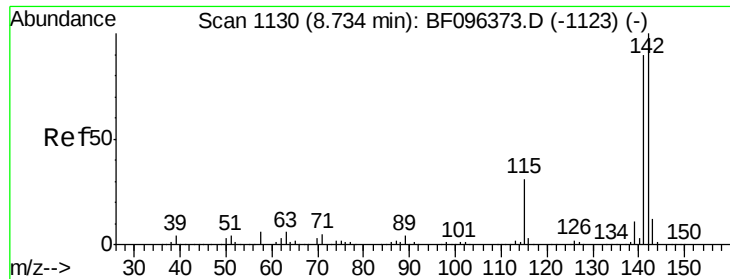
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#31
Naphthalene
Concen: 3.692 ng
RT: 7.97 min Scan# 1000
Delta R.T. -0.04 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.4	10.8	16.2





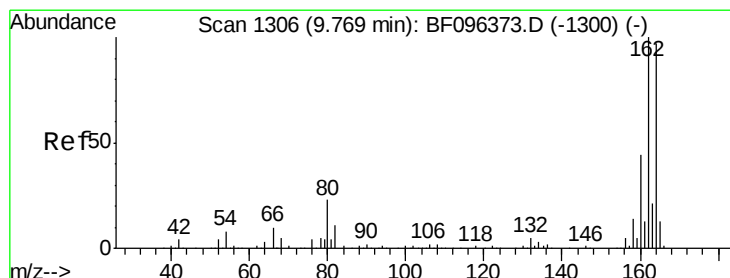
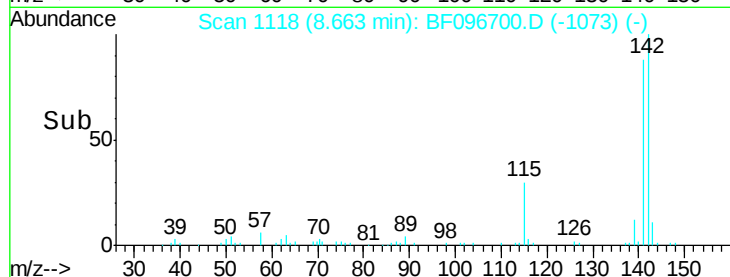
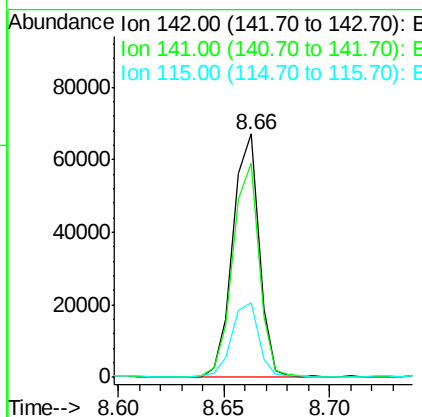
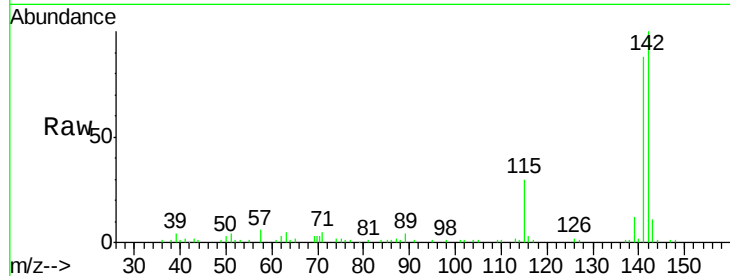
#37
 2-Methylnaphthalene
 Concen: 3.944 ng
 RT: 8.66 min Scan# 1118
 Delta R.T. -0.04 min
 Lab File: BF096700.D
 Acq: 12 Jul 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0-3

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.3	106.9
115	30.4	27.1	40.7

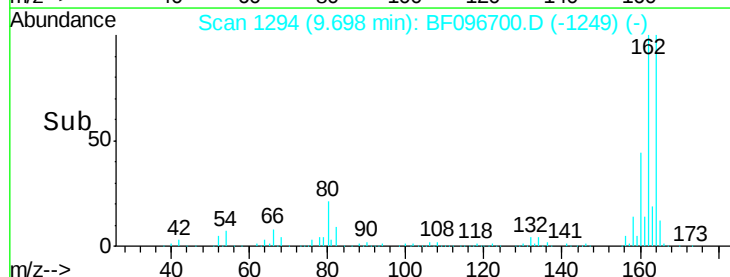
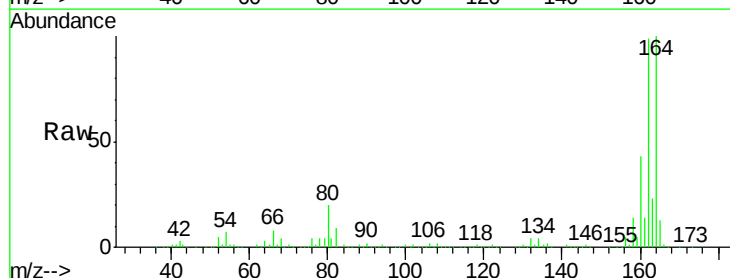
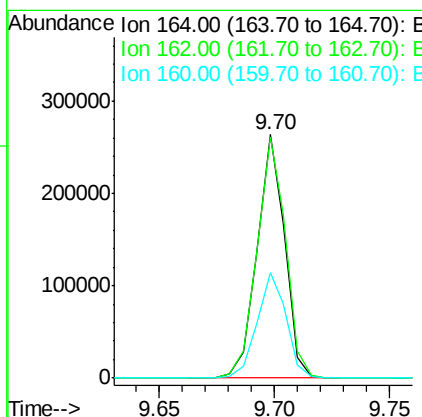
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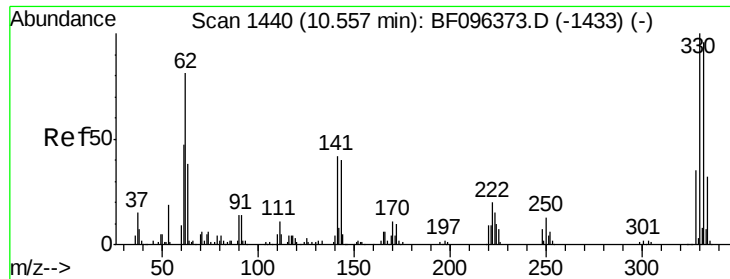
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. -0.04 min
 Lab File: BF096700.D
 Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.2	82.6	123.8
160	43.4	36.2	54.2





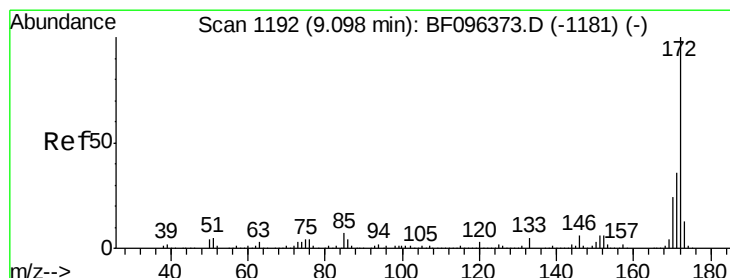
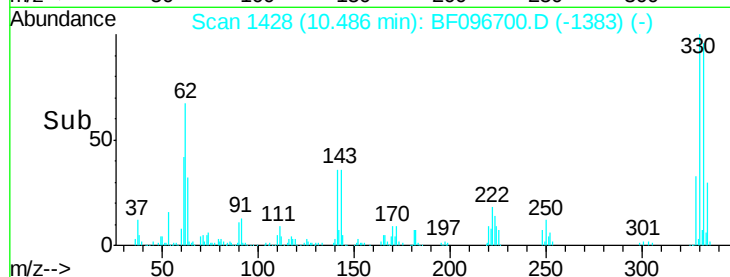
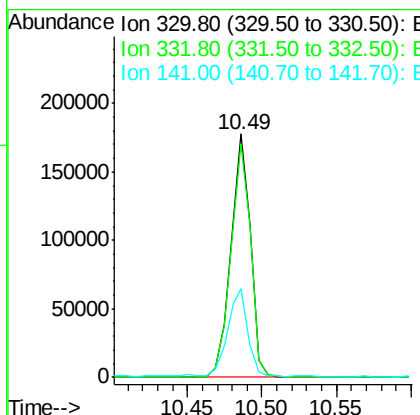
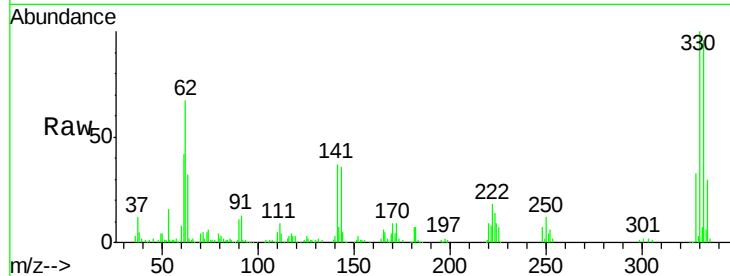
#41
 2,4,6-Tribromophenol
 Concen: 96.503 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096700.D
 Acq: 12 Jul 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0-3

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	165237		
332	97.0	76.6	115.0	
141	38.5	31.4	47.2	

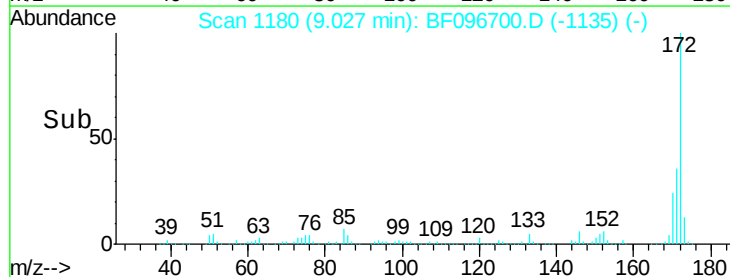
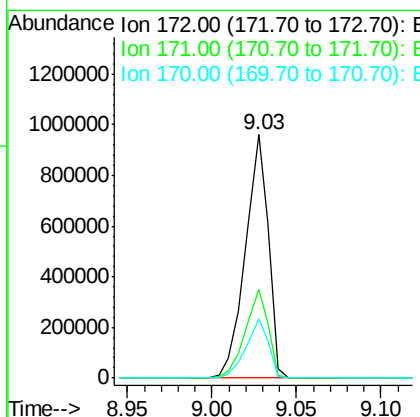
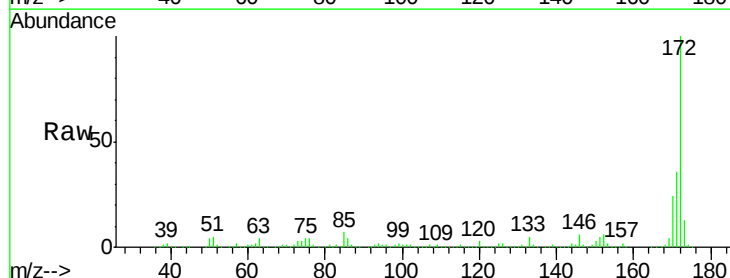
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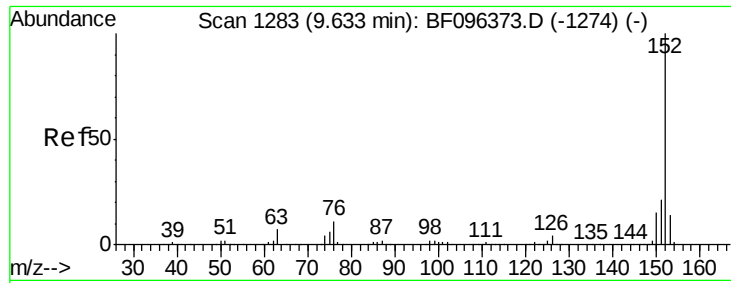
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#44
 2-Fluorobiphenyl
 Concen: 71.694 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF096700.D
 Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	919159		
171	36.4	29.6	44.4	
170	24.4	19.8	29.8	





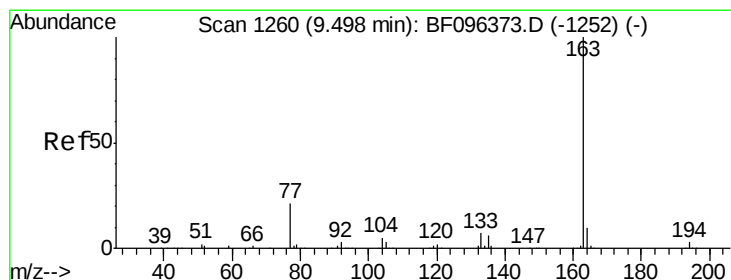
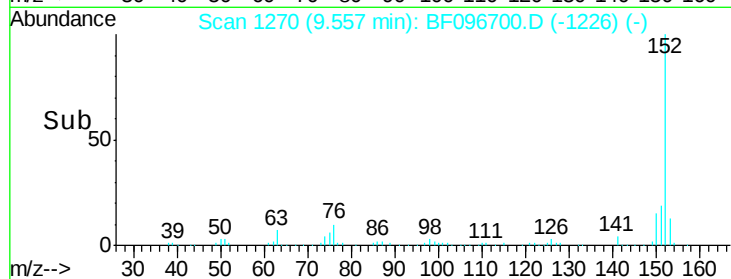
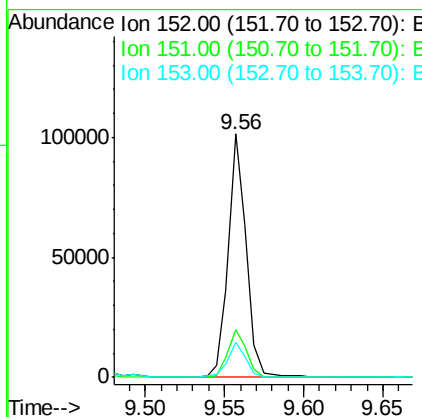
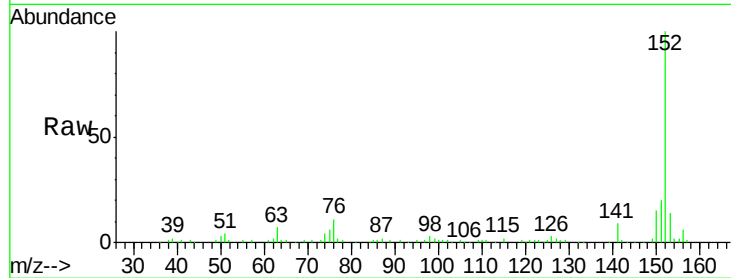
#48
Acenaphthylene
Concen: 3.598 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.04 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Instrument :
BNA_F
ClientSampleId :
TP2-0-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	19.6	16.8	25.2
153	14.1	10.8	16.2

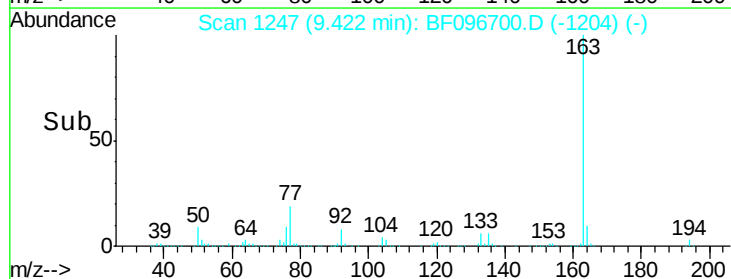
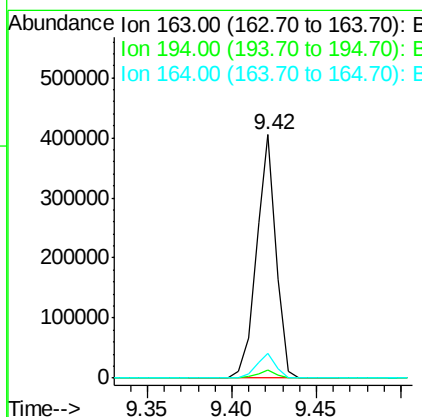
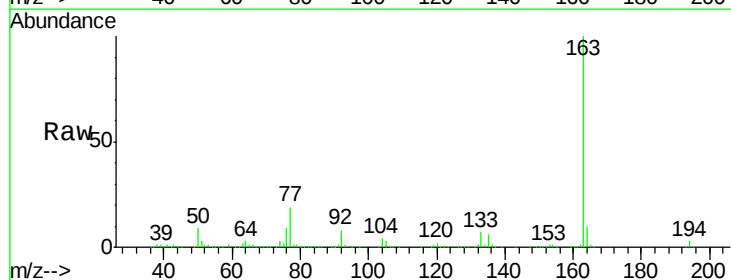
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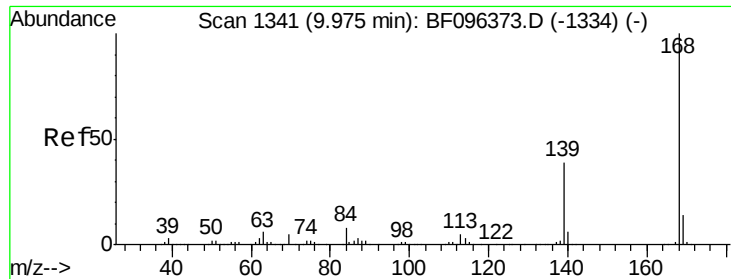
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#49
Dimethylphthalate
Concen: 19.908 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.05 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	2.6	4.0
164	10.3	8.4	12.6





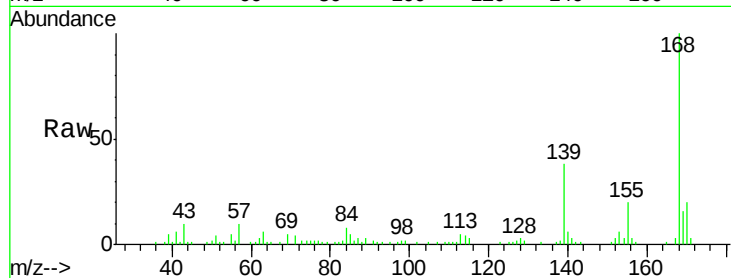
#54
Dibenzenofuran
Concen: 2.102 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.04 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Instrument :
BNA_F
ClientSampleId :
TP2-0-3

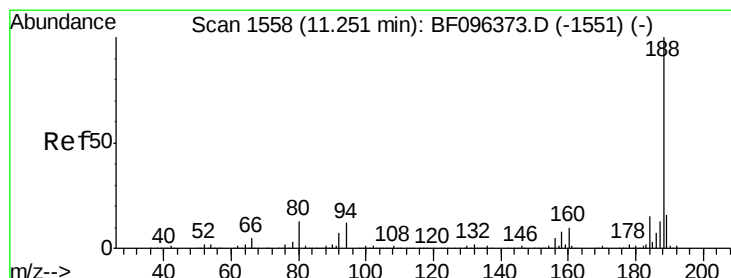
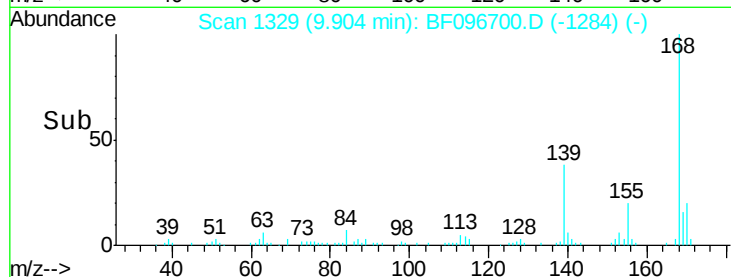
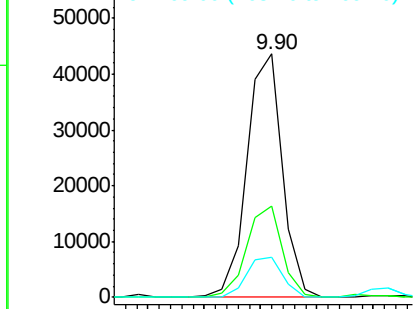
Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	37.5	30.6	45.8
169	16.2	10.8	16.2#

Manual Integrations
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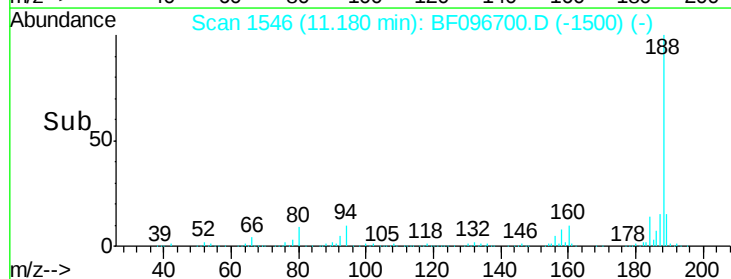
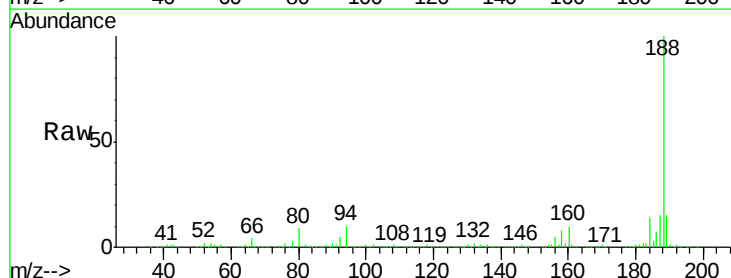
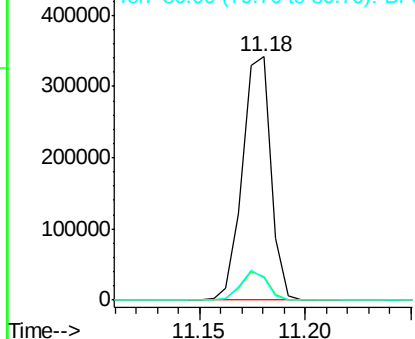
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

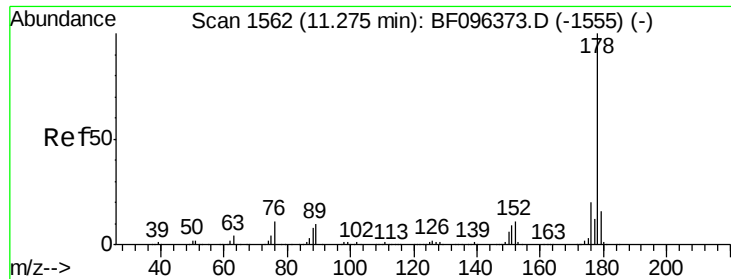


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.18 min Scan# 1546
Delta R.T. -0.03 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.6	9.4	14.2
80	9.3	10.2	15.2#

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: 6.936 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.04 min

Lab File: BF096700.D

Acq: 12 Jul 2017 19:11

Instrument :

BNA_F

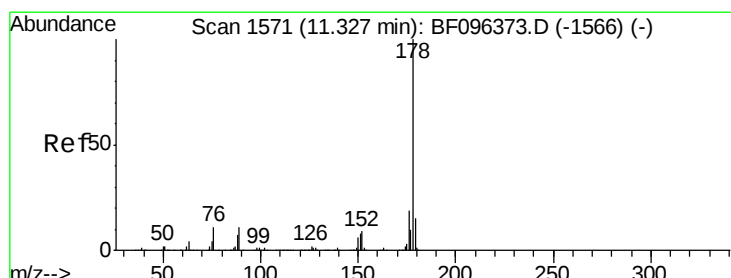
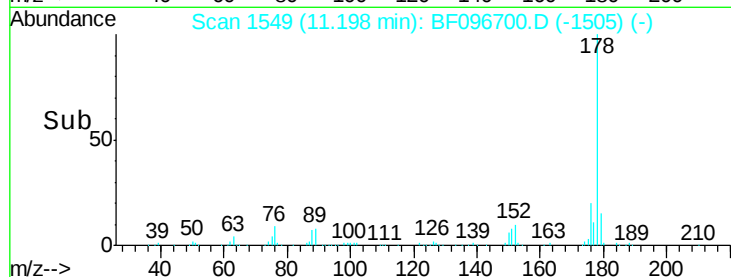
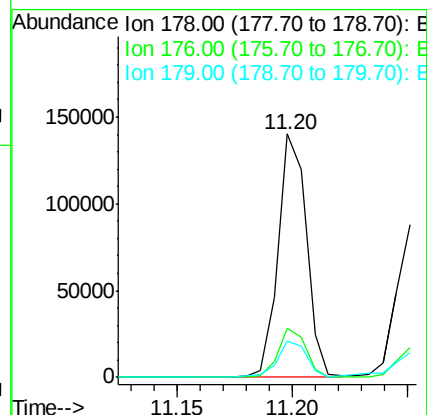
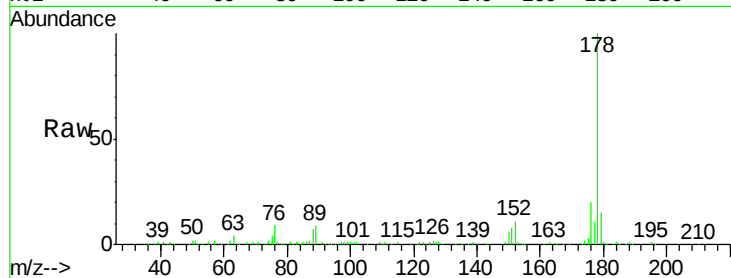
ClientSampleId :

TP2-0-3

Tgt Ion:	178	Resp:	119983
Ion Ratio	Lower	Upper	
178	100		
176	20.1	16.2	24.4
179	14.8	12.6	19.0

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#71

Anthracene

Concen: 3.919 ng

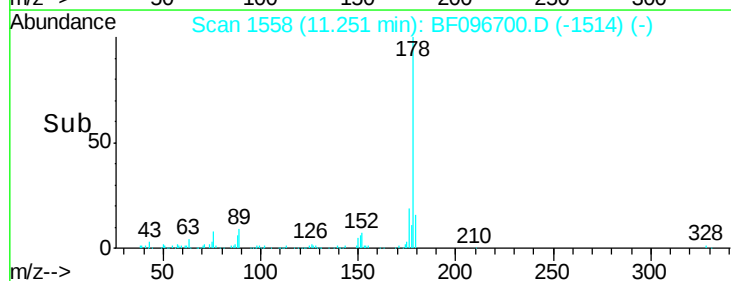
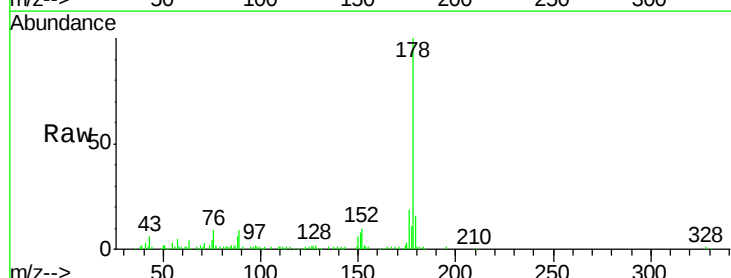
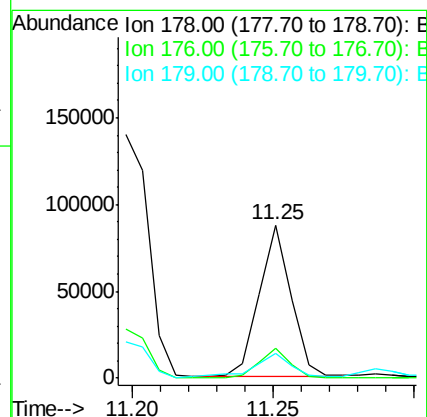
RT: 11.25 min Scan# 1558

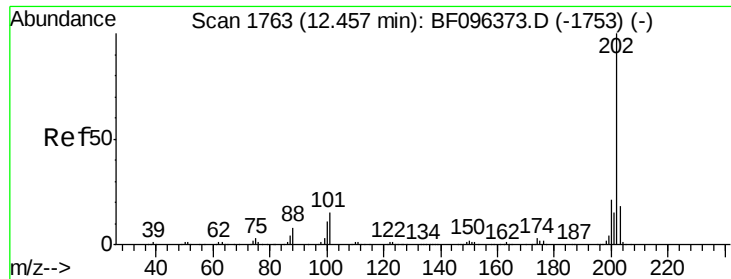
Delta R.T. -0.04 min

Lab File: BF096700.D

Acq: 12 Jul 2017 19:11

Tgt Ion:	178	Resp:	69089
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	16.1	12.7	19.1





#74

Fluoranthene

Concen: 16.633 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.04 min

Lab File: BF096700.D

Acq: 12 Jul 2017 19:11

Instrument :

BNA_F

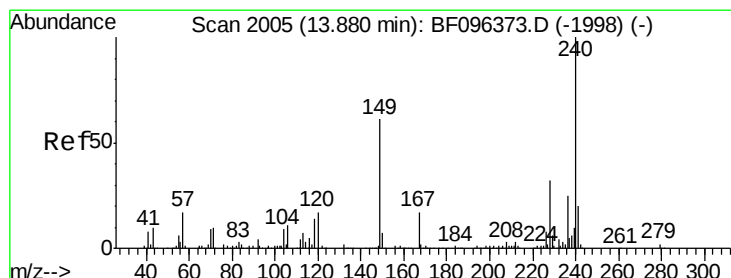
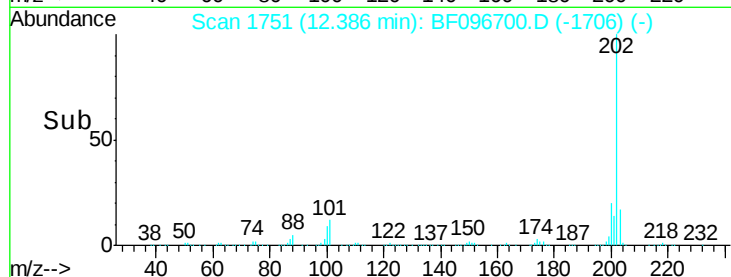
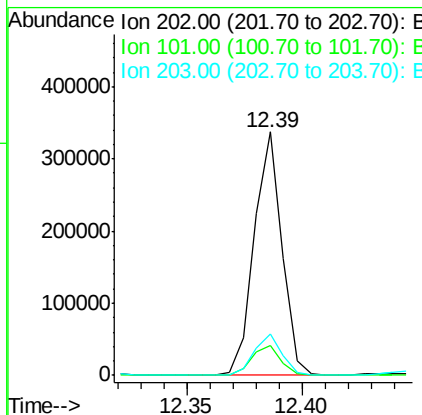
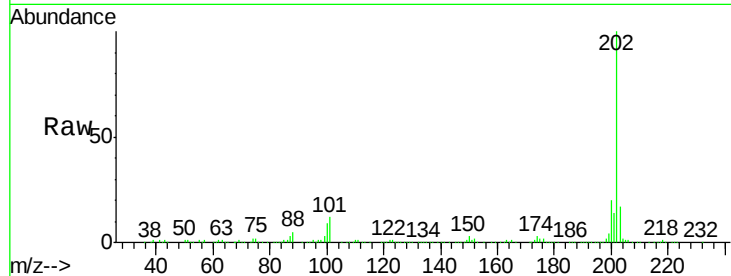
ClientSampleId :

TP2-0-3

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		282098		
101	12.3	0.0	33.2		
203	16.9	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

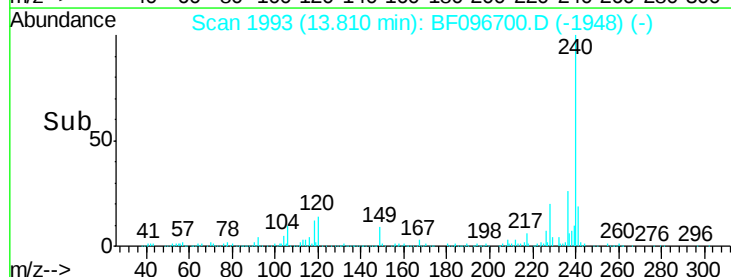
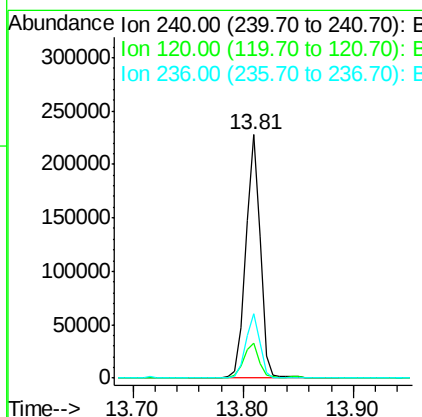
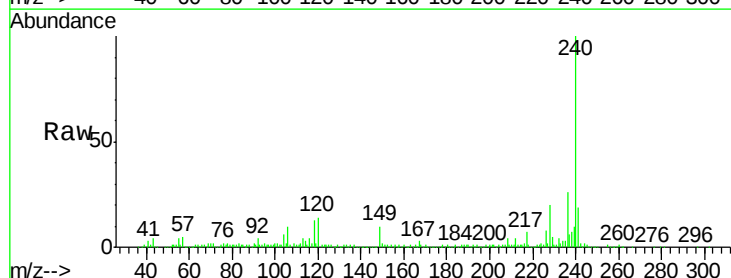
RT: 13.81 min Scan# 1993

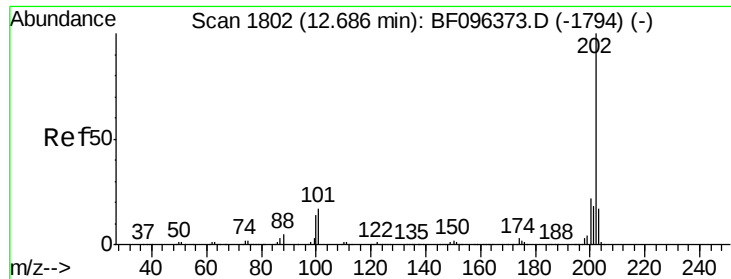
Delta R.T. -0.04 min

Lab File: BF096700.D

Acq: 12 Jul 2017 19:11

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		211456		
120	14.4	5.8	8.8#		
236	26.2	20.5	30.7		





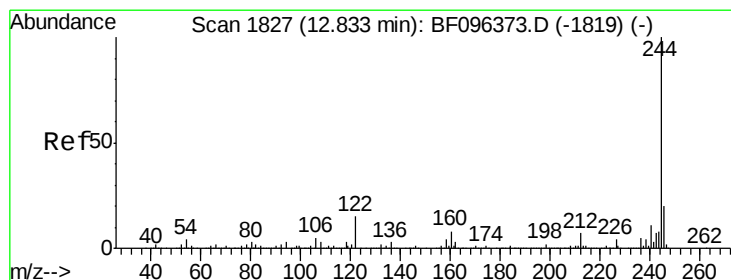
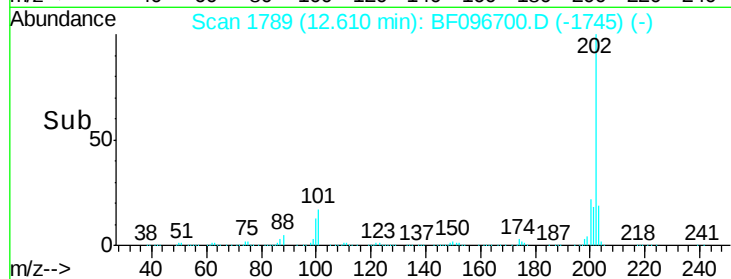
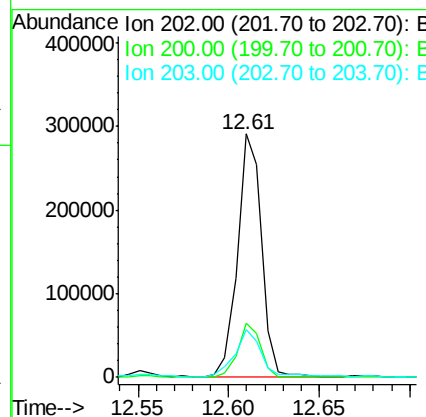
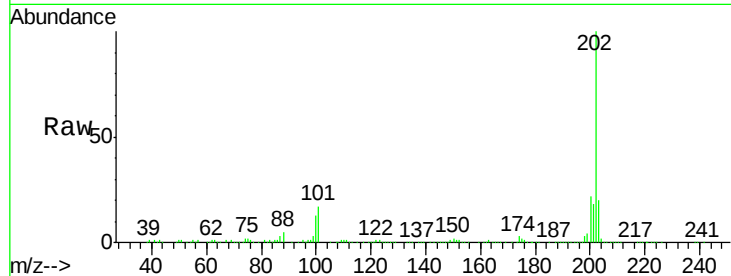
#77
 Pyrene
 Concen: 15.642 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.04 min
 Lab File: BF096700.D
 Acq: 12 Jul 2017 19:11

Instrument :
 BNA_F
 ClientSampleId :
 TP2-0-3

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	22.1	17.6	26.4
203	19.6	14.4	21.6

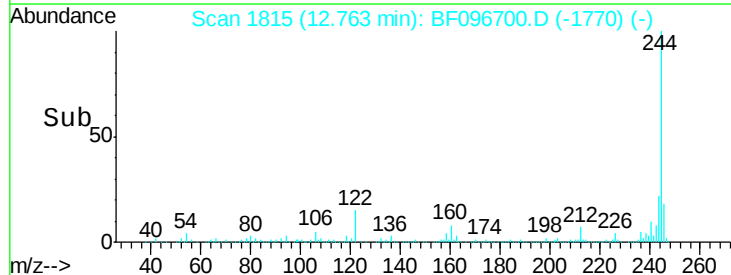
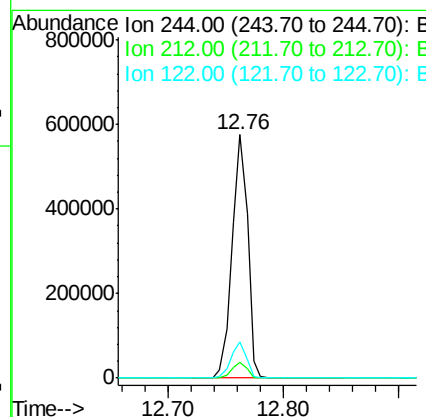
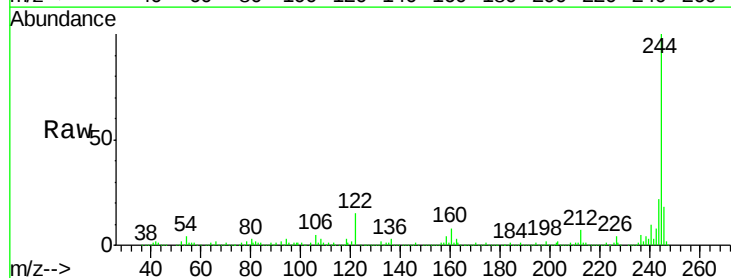
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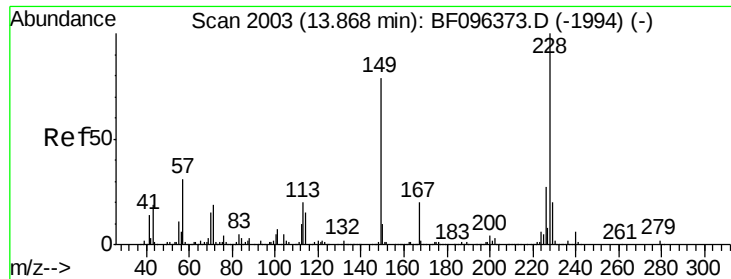
mohammad
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#78
 Terphenyl-d14
 Concen: 54.379 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.04 min
 Lab File: BF096700.D
 Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	6.0	9.0
122	15.0	10.3	15.5





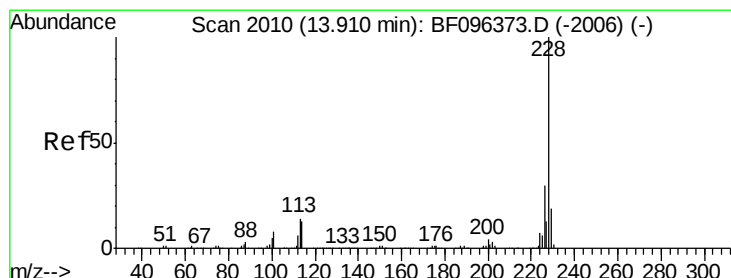
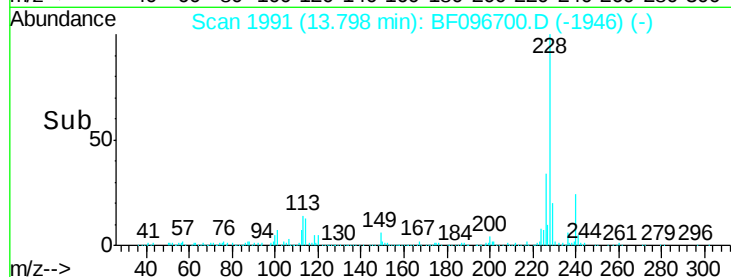
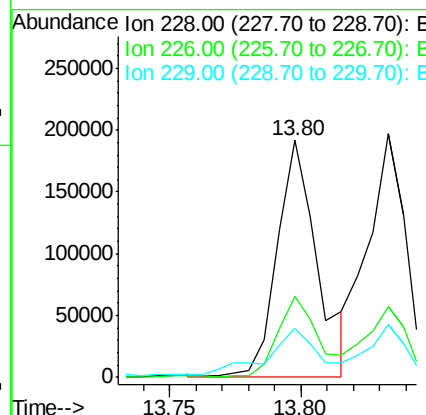
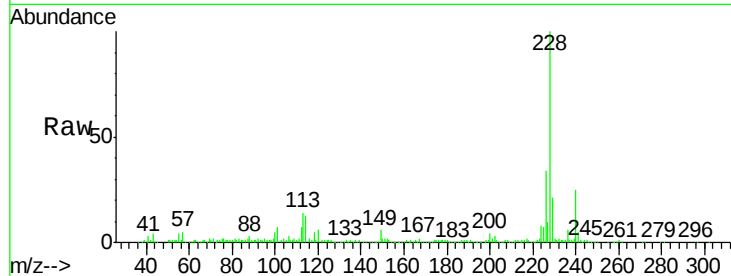
#80
Benzo(a)anthracene
Concen: 16.784 ng m
RT: 13.80 min Scan# 1991
Delta R.T. -0.04 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Instrument :
BNA_F
ClientSampleId :
TP2-0-3

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.4	22.6	33.8#
229	20.7	16.3	24.5

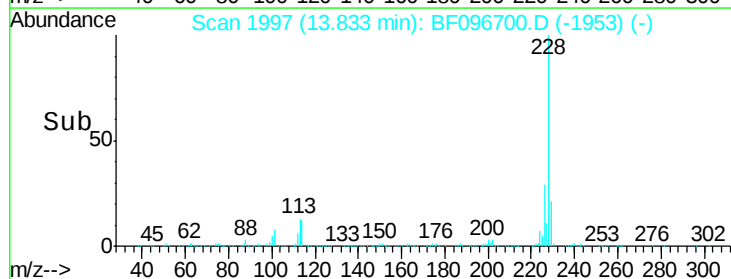
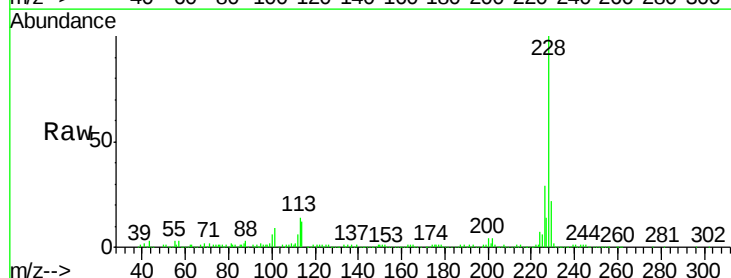
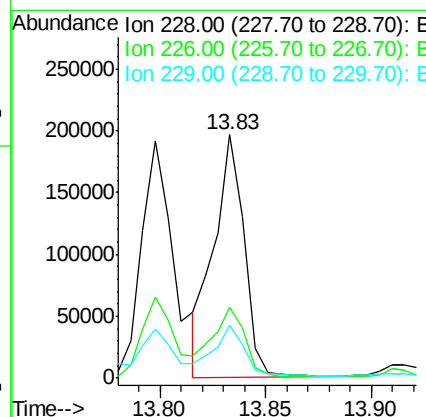
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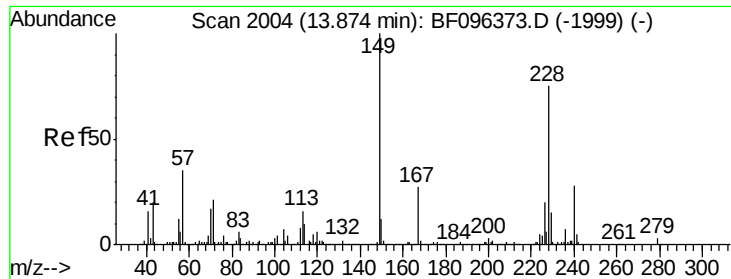
mohammad
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#82
Chrysene
Concen: 15.338 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.04 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	22.0	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.653 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.04 min

Lab File: BF096700.D

Acq: 12 Jul 2017 19:11

Instrument :

BNA_F

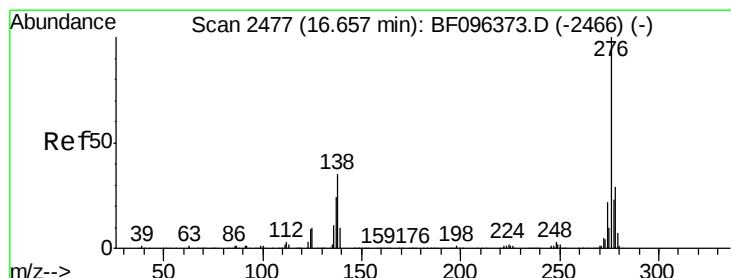
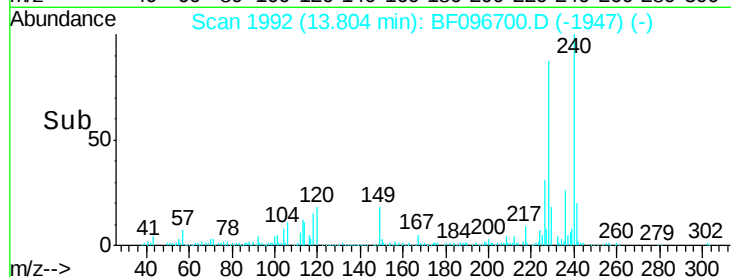
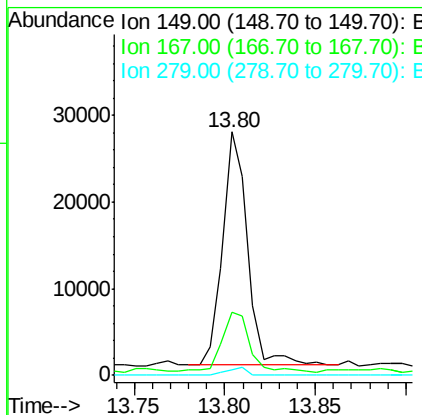
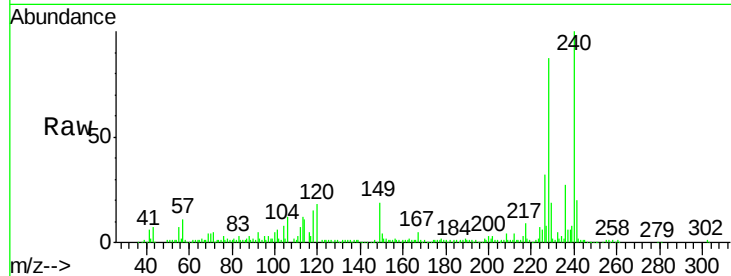
ClientSampleId :

TP2-0-3

Tgt Ion:	149	Resp:	25444
Ion Ratio	Lower	Upper	
149	100		
167	25.7	21.0	31.4
279	2.1	1.9	2.9

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.548 ng

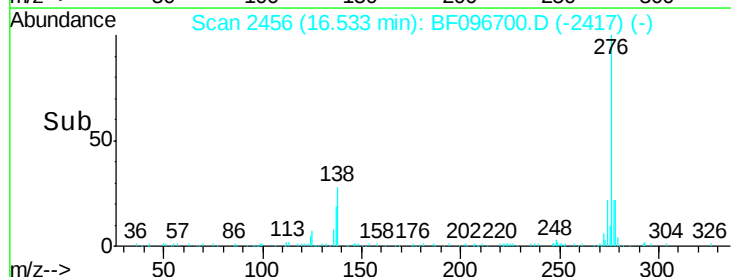
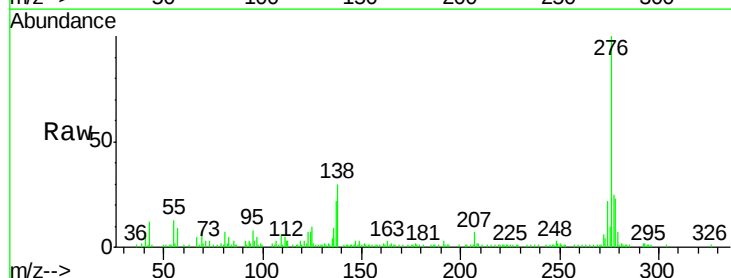
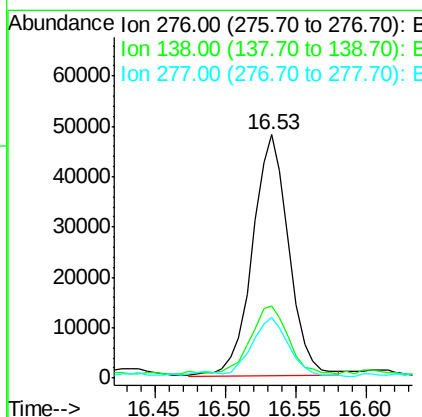
RT: 16.53 min Scan# 2456

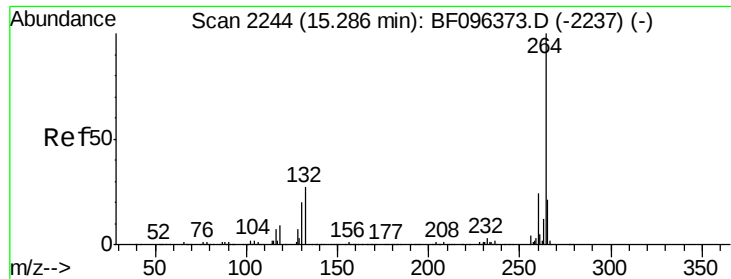
Delta R.T. -0.07 min

Lab File: BF096700.D

Acq: 12 Jul 2017 19:11

Tgt Ion:	276	Resp:	86518
Ion Ratio	Lower	Upper	
276	100		
138	29.8	27.8	41.6
277	24.5	20.2	30.4





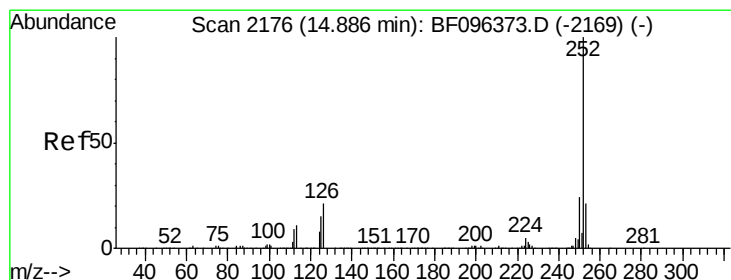
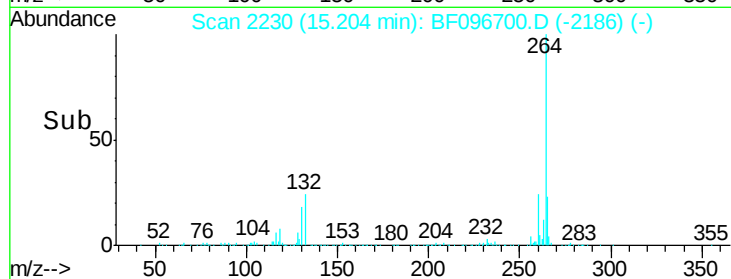
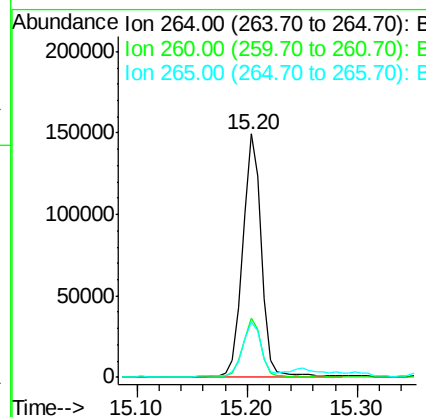
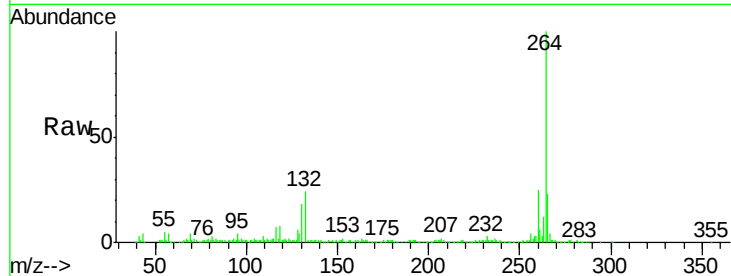
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Instrument :
BNA_F
ClientSampleId :
TP2-0-3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.5	17.2	25.8

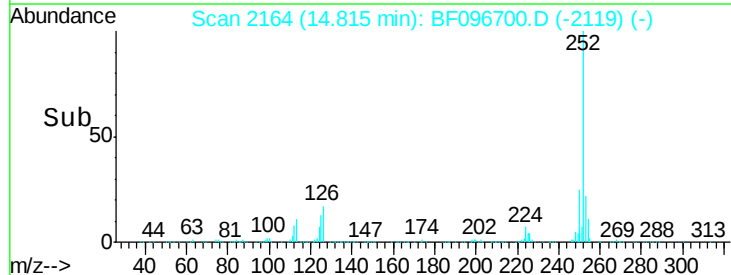
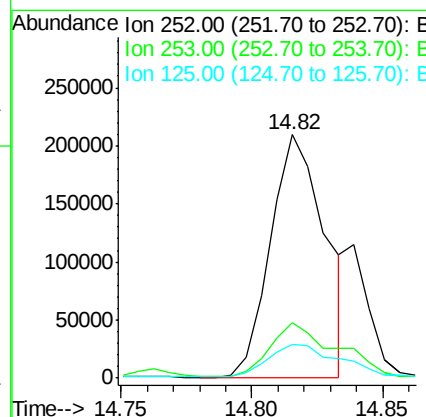
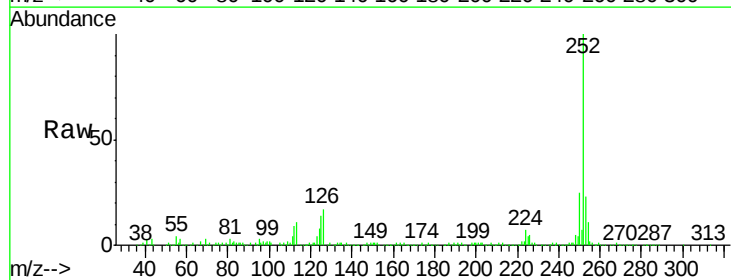
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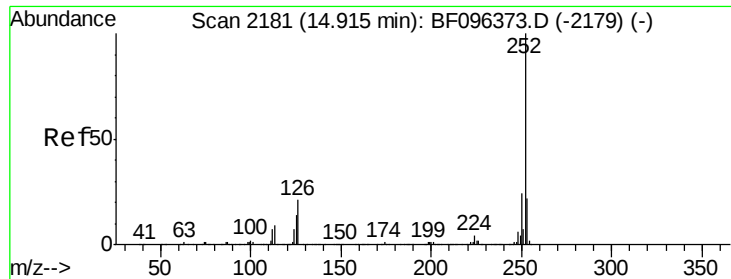
mohammad
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#87
Benzo(b)fluoranthene
Concen: 27.185 ng m
RT: 14.82 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	13.7	9.8	14.8





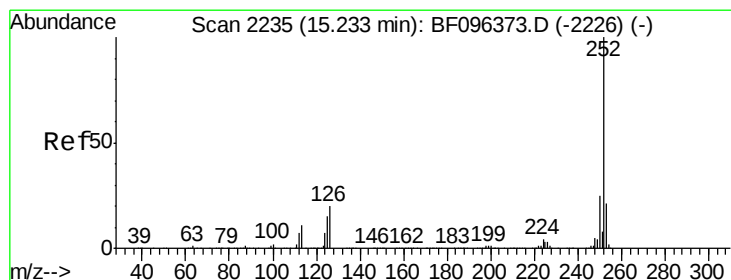
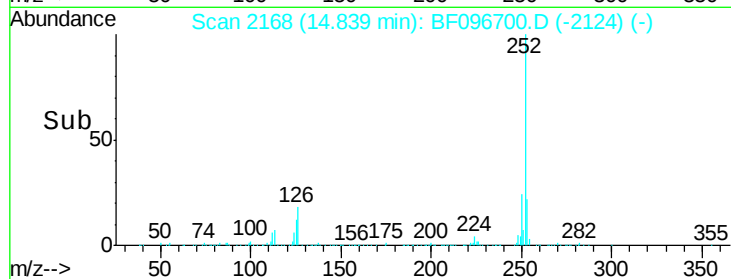
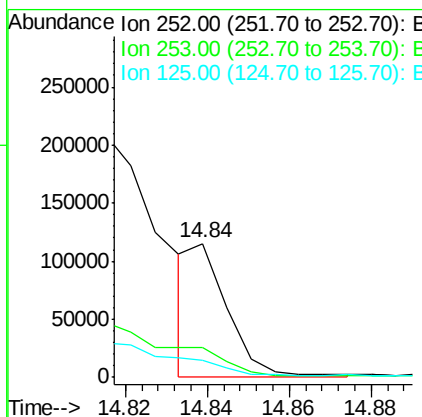
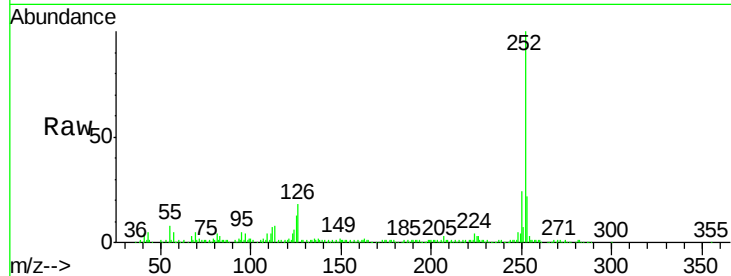
#88
Benzo(k)fluoranthene
Concen: 7.086 ng m
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Instrument :
BNA_F
ClientSampled :
TP2-0-3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	13.0	13.1	19.7

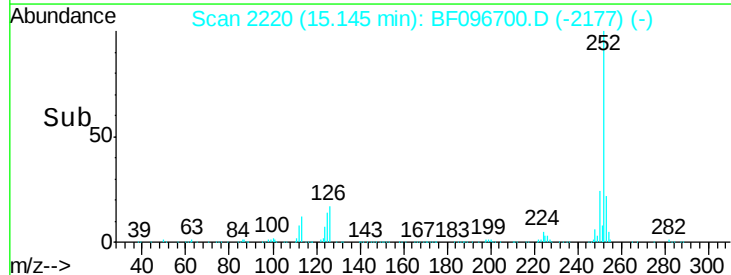
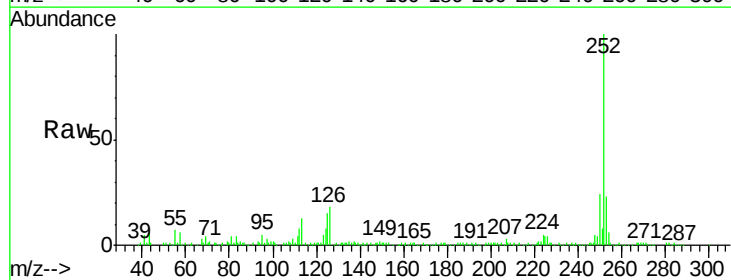
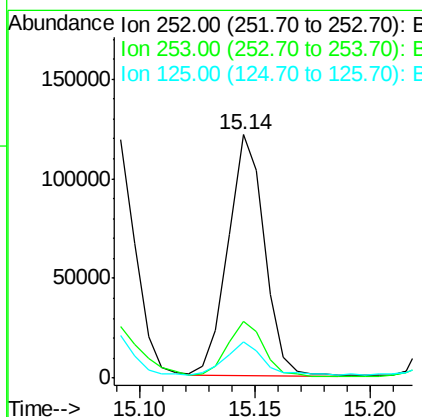
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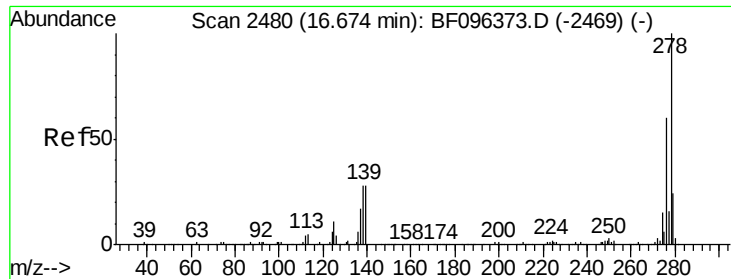
mohammad
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#89
Benzo(a)pyrene
Concen: 13.212 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.05 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	14.9	11.0	16.4





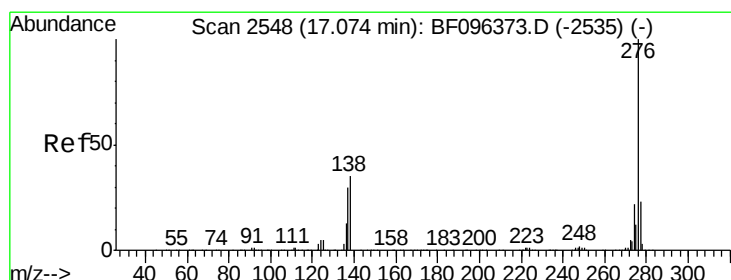
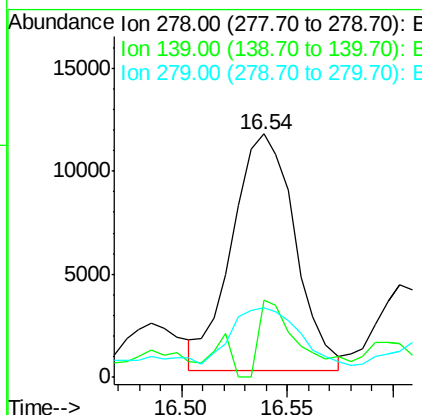
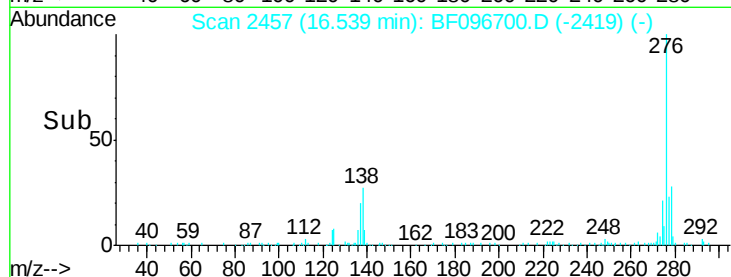
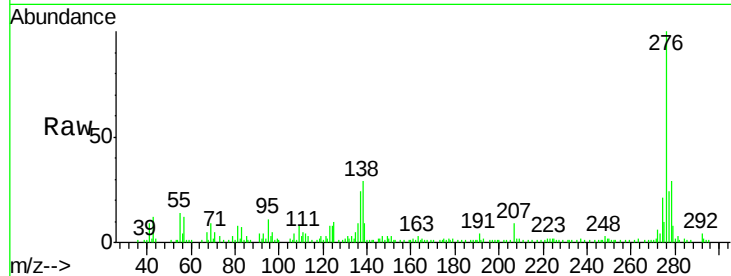
#90
Dibenzo(a,h)anthracene
Concen: 2.998 ng
RT: 16.54 min Scan# 2457
Delta R.T. -0.08 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Instrument :
BNA_F
ClientSampleId :
TP2-0-3

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.9	16.6	24.8
279	28.6	19.3	28.9

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7/13/2017 1:37:58 PM



#91
Benzo(g,h,i)perylene
Concen: 8.698 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.07 min
Lab File: BF096700.D
Acq: 12 Jul 2017 19:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	28.8	25.4	38.0

