

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
 Data File : BF096434.D
 Acq On : 3 Jul 2017 12:00
 Operator : SJ/MA
 Sample : I3982-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 339-COMPDL

Manual Integrations
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mohammad
 7/5/2017 11:41:03 AM

Quant Time: Jul 03 16:31:49 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 03 01:43:12 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	138675	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	579662	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	253441	20.00	ng	-0.01
63) Phenanthrene-d10	11.23	188	409598	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	226646	20.00	ng	-0.01
86) Perylene-d12	15.27	264	245405	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	185392	19.73	ng	-0.02
7) Phenol-d6	6.35	99	229685	19.89	ng	-0.02
23) Nitrobenzene-d5	7.27	82	127298	13.20	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	42608	21.52	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	238993	16.12	ng	-0.02
78) Terphenyl-d14	12.82	244	160460	15.13	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.47	163	109894	5.808	ng	99
57) Fluorene	10.30	166	35725	2.424	ng	95
70) Phenanthrene	11.26	178	445789	20.133	ng	100
71) Anthracene	11.31	178	129947	5.759	ng	97
72) Carbazole	11.46	167	62569	2.757	ng	96
74) Fluoranthene	12.44	202	642190	29.582	ng	99
77) Pyrene	12.67	202	529518	29.107	ng	99
79) Butylbenzylphthalate	13.30	149	18488	2.008	ng	91
80) Benzo(a)anthracene	13.86	228	229765	17.506	ng	93
82) Chrysene	13.89	228	223826	16.285	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	178529	16.456	ng	97
87) Benzo(b)fluoranthene	14.88	252	341760m	22.225	ng	
88) Benzo(k)fluoranthene	14.90	252	110388m	8.025	ng	
89) Benzo(a)pyrene	15.22	252	234145	17.055	ng	# 95
90) Dibenzo(a,h)anthracene	16.64	278	45172	4.183	ng	# 88
91) Benzo(g,h,i)perylene	17.04	276	157152	14.042	ng	97

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

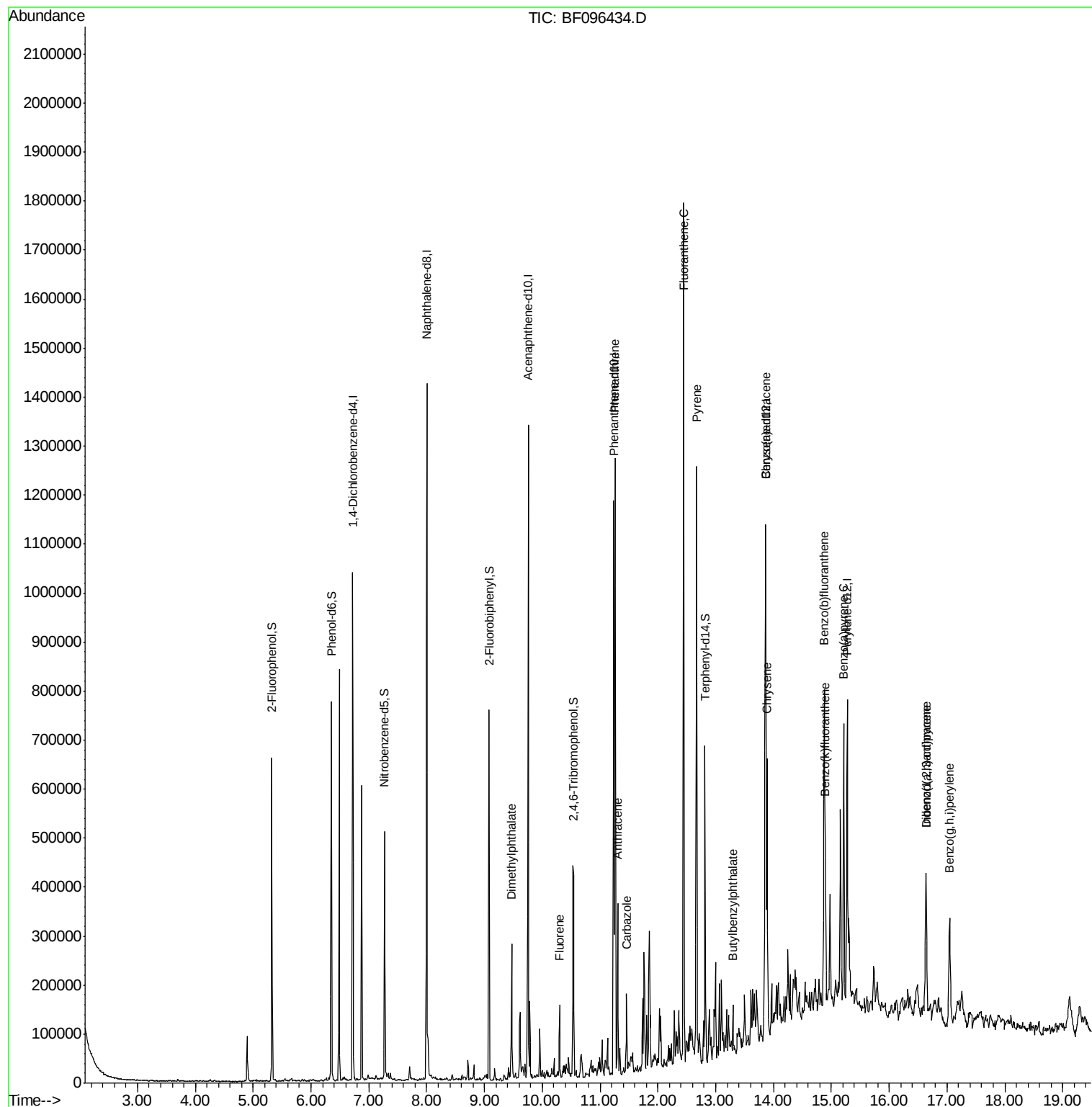
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
Data File : BF096434.D
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Sample : I3982-01DL 5X
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ALS Vial : 5 Sample Multiplier: 1

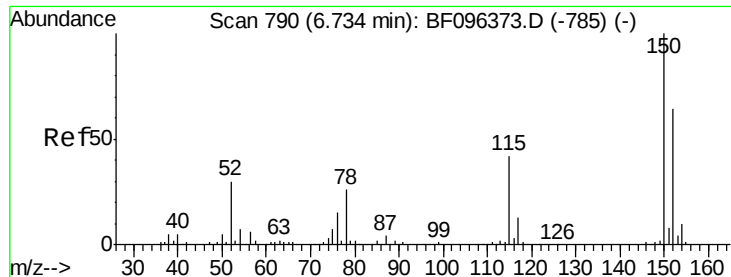
Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

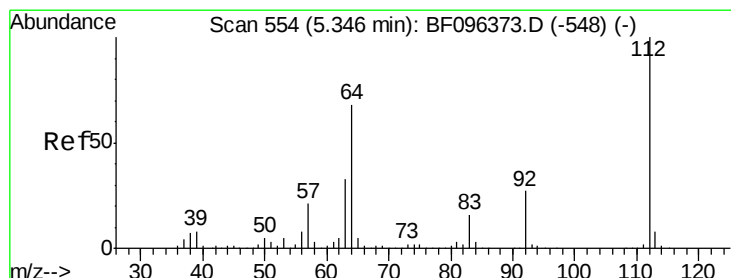
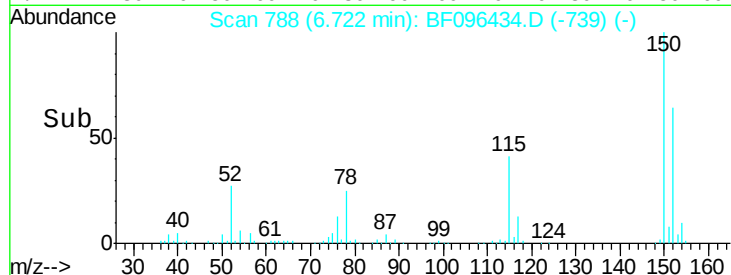
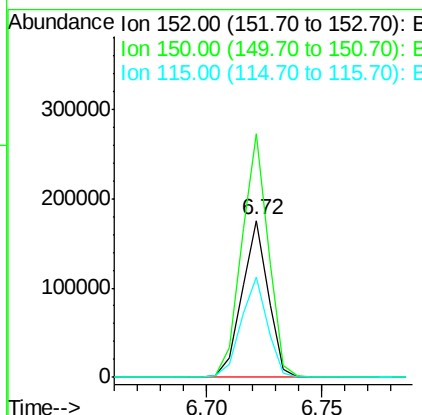
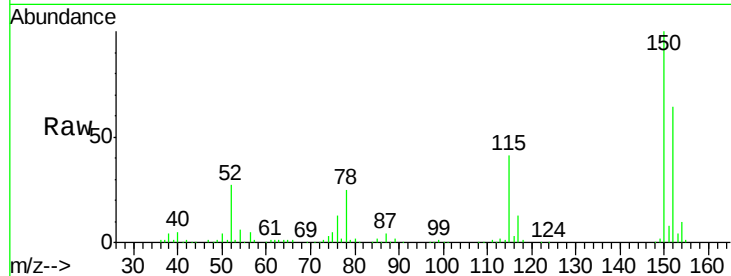
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Instrument :
BNA_F
ClientSampleId :
339-COMPD

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.2	189.2
115	64.2	52.2	78.2

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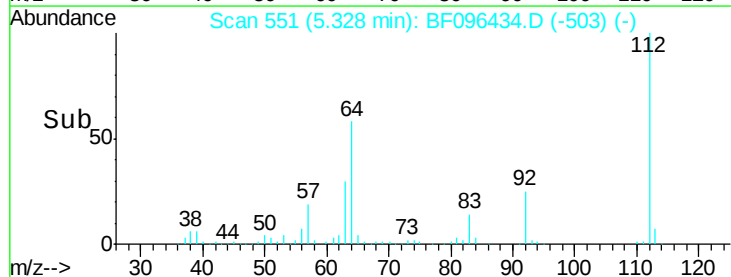
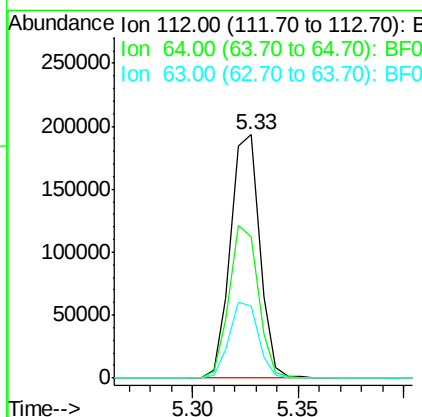
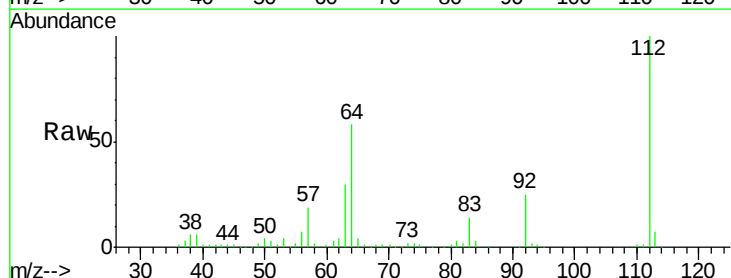
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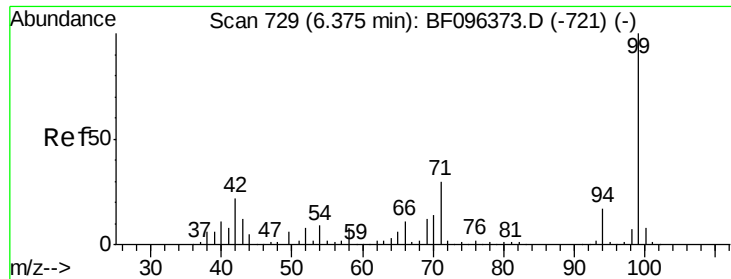


#5

2-Fluorophenol
Concen: 19.732 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.0	69.0
63	29.5	23.4	35.0





#7

Phenol-d6

Concen: 19.885 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Instrument :

BNA_F

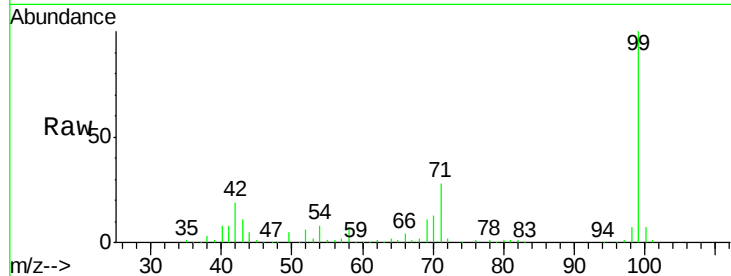
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339-COMPD

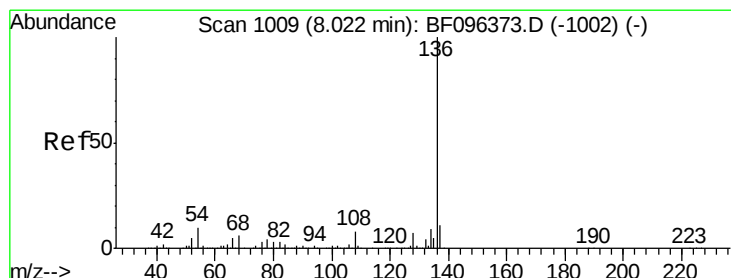
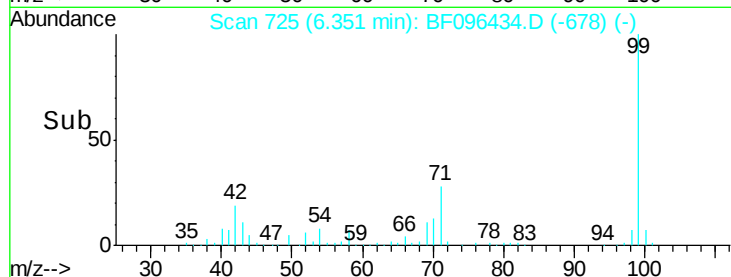
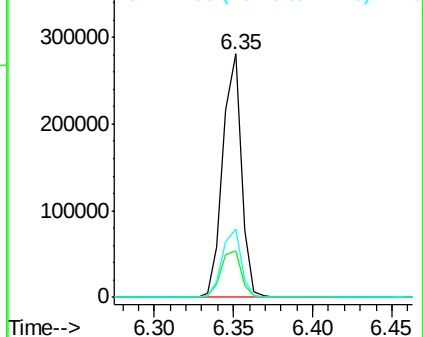
Tgt Ion	Ratio	Resp	Lower	Upper
99	100	229685		
42	19.3	13.5	20.3	
71	27.9	24.5	36.7	

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

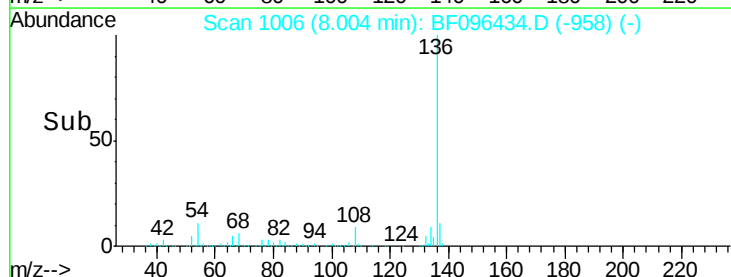
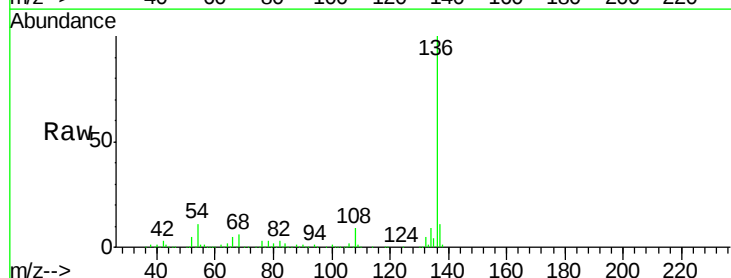
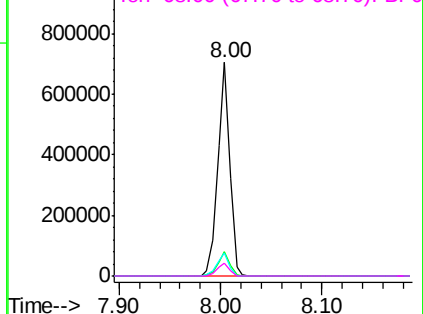
Delta R.T. -0.02 min

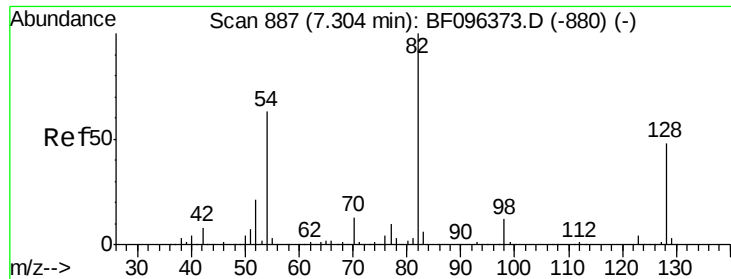
Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	579662		
137	11.2	8.5	12.7	
54	10.6	4.9	7.3	
68	5.8	4.1	6.1	

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





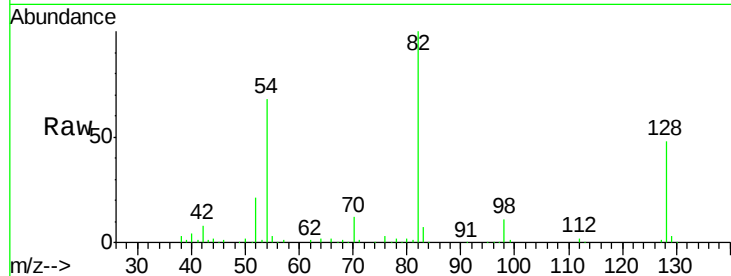
#23
 Nitrobenzene-d5
 Concen: 13.196 ng
 RT: 7.27 min Scan# 882
 Delta R.T. -0.03 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

Instrument :
 BNA_F
 ClientSampleId :
 339-COMPDL

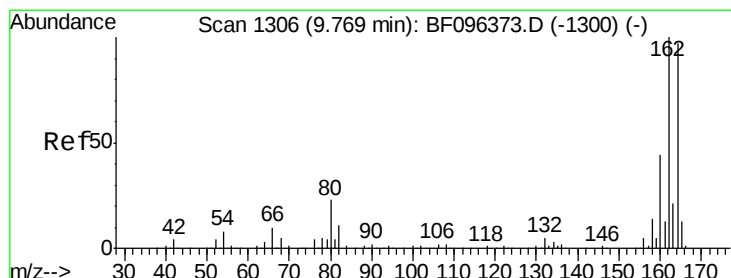
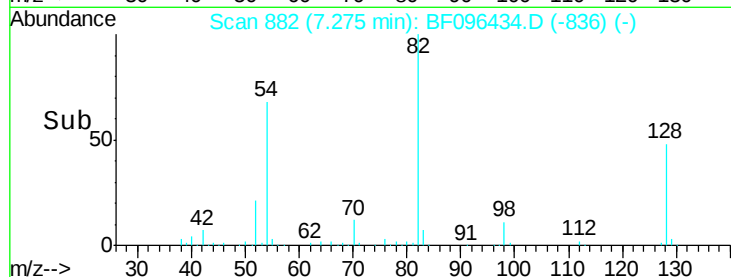
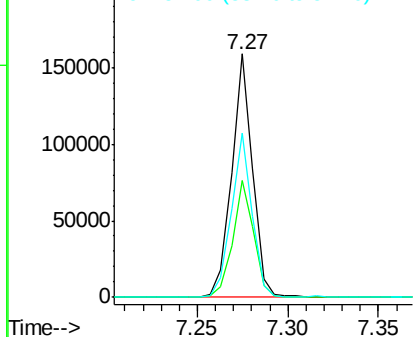
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	127298		
128	47.8	34.0	51.0	
54	67.6	42.2	63.2	

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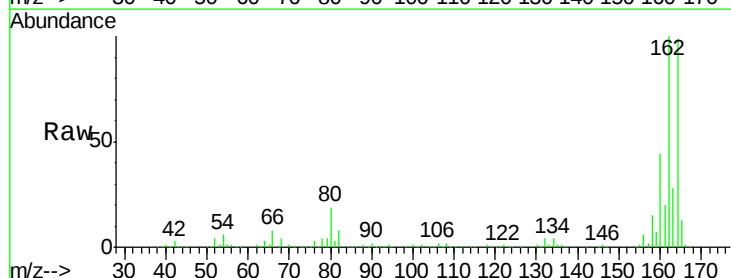


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

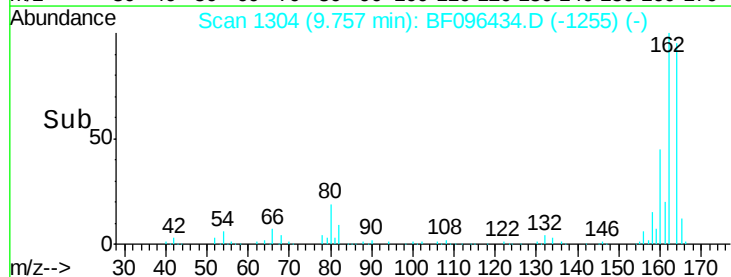
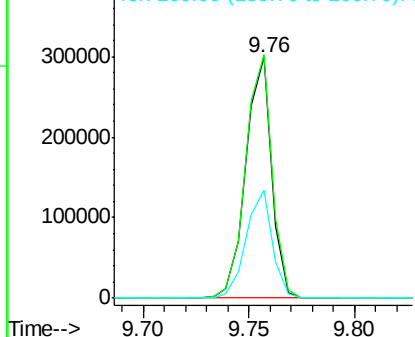


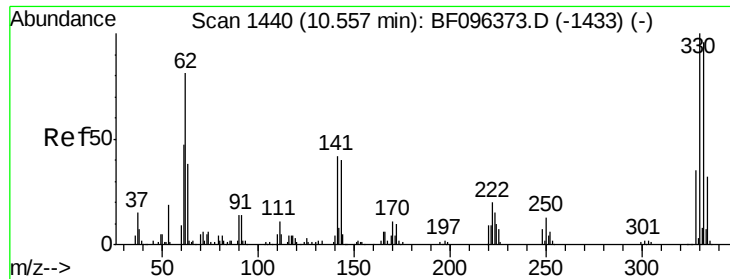
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	253441		
162	101.2	82.6	123.8	
160	44.9	36.2	54.2	



Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





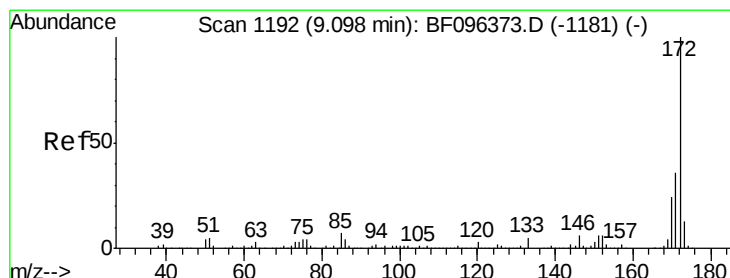
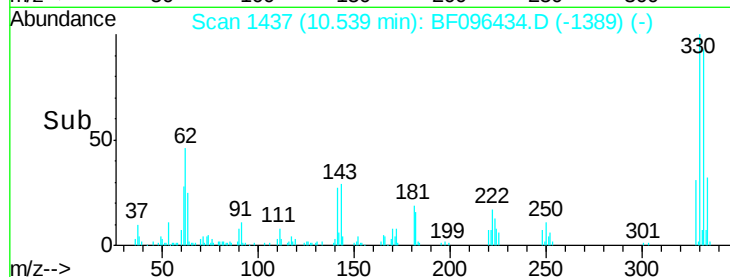
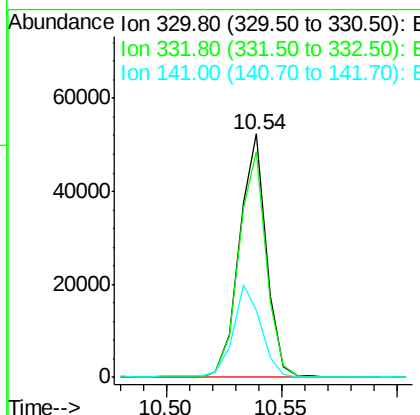
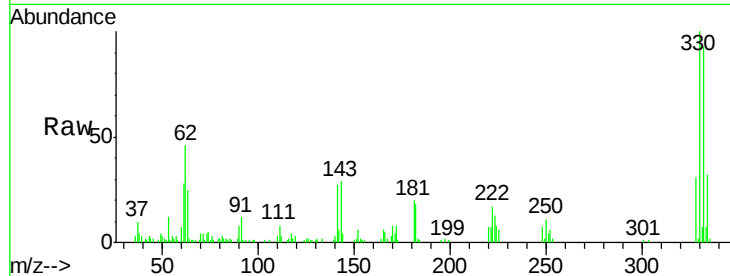
#41
 2,4,6-Tribromophenol
 Concen: 21.523 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.02 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

Instrument :
 BNA_F
 ClientSampleId :
 339-COMPDL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	40.1	31.4	47.2

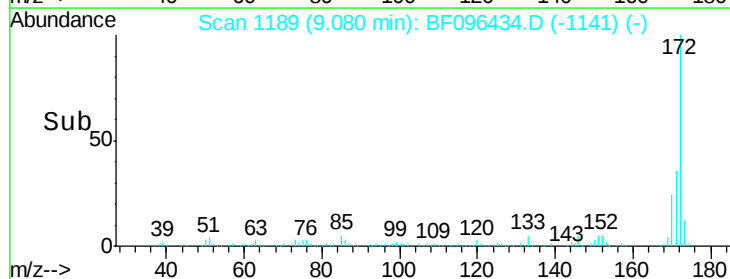
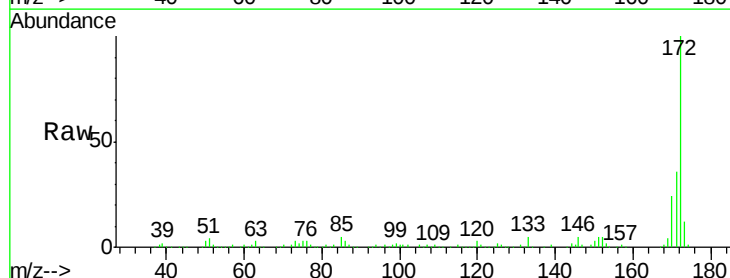
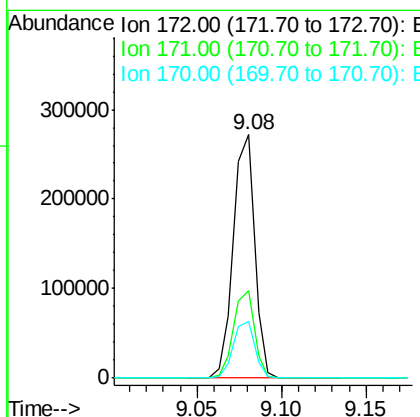
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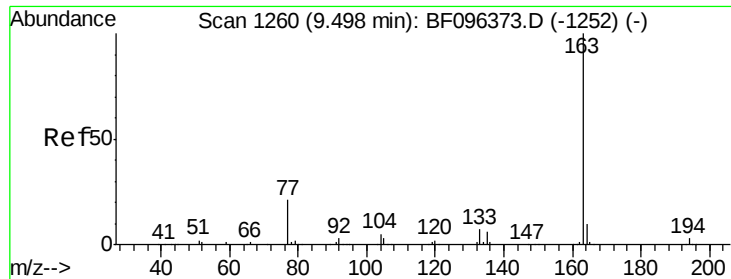
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#44
 2-Fluorobiphenyl
 Concen: 16.123 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.02 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.5	19.8	29.8





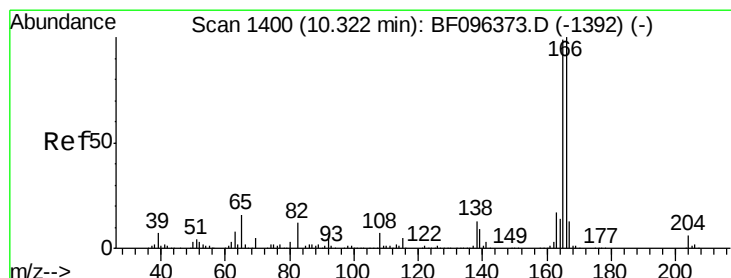
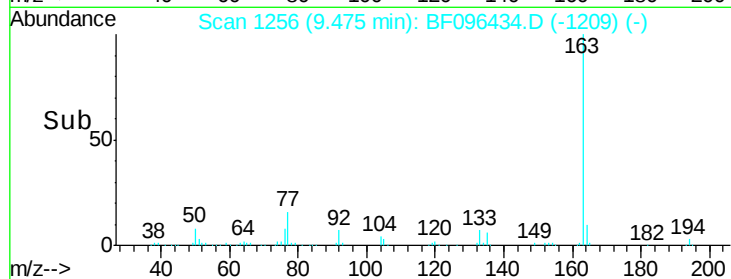
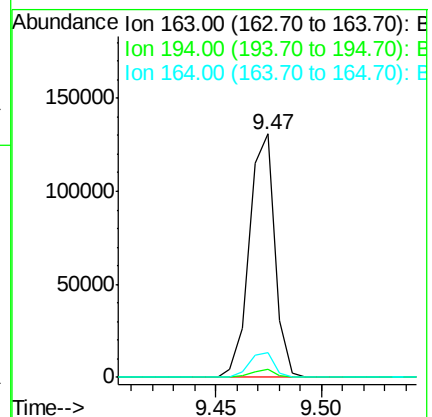
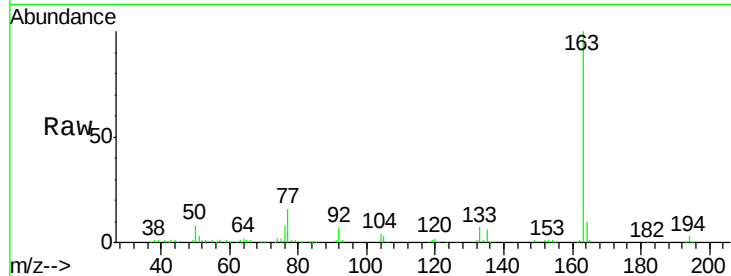
#49
Dimethylphthalate
Concen: 5.808 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Instrument :
BNA_F
ClientSampleId :
339-COMPDL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	109894		
194	3.4	2.6	4.0	
164	10.0	8.4	12.6	

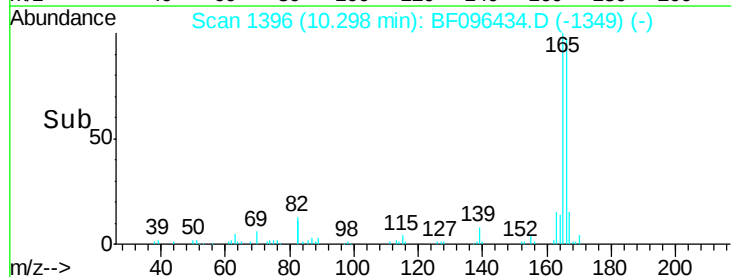
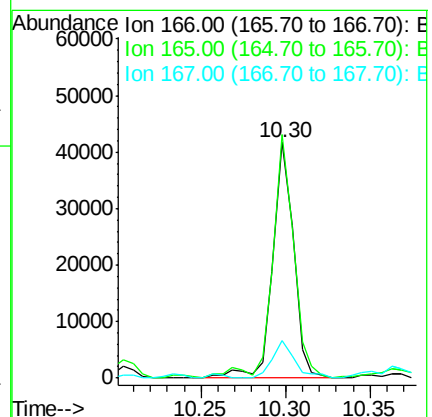
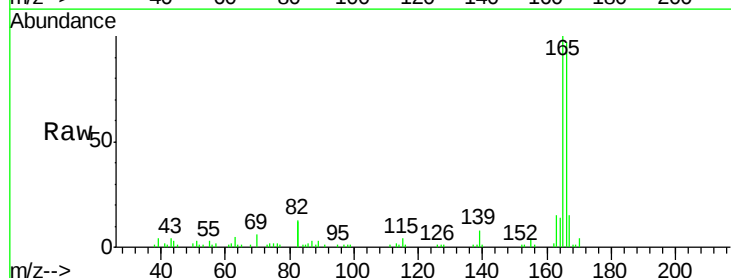
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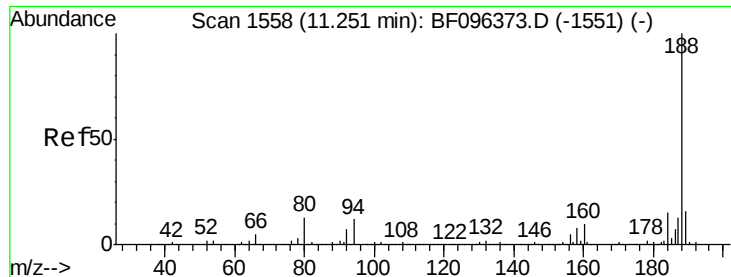
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#57
Fluorene
Concen: 2.424 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	35725		
165	103.4	78.8	118.2	
167	15.9	10.6	16.0	





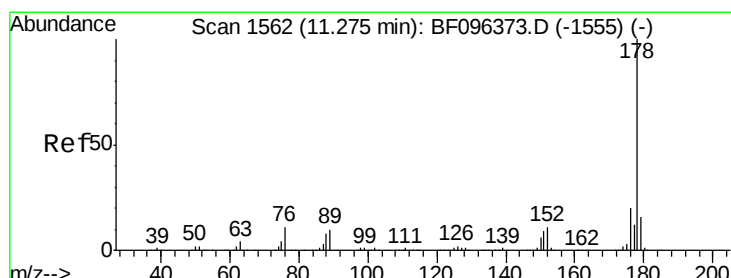
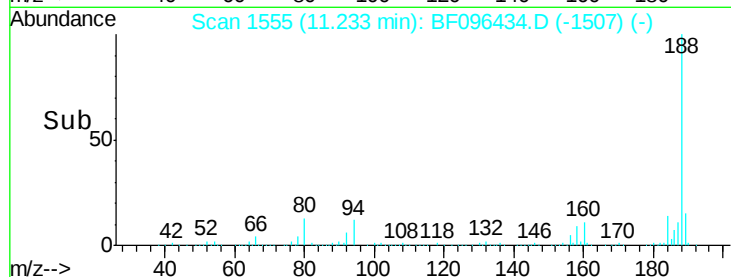
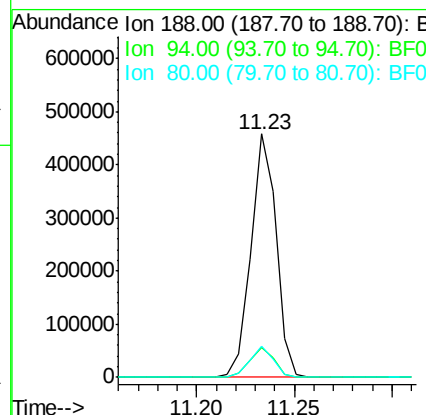
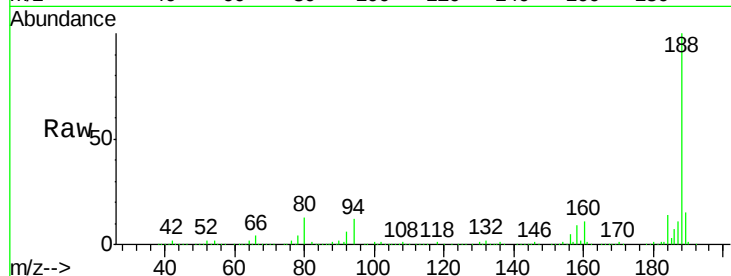
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.02 min
Lab File: BF096434.D
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Instrument :
BNA_F
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	409598		
94	12.4		9.4	14.2
80	12.8		10.2	15.2

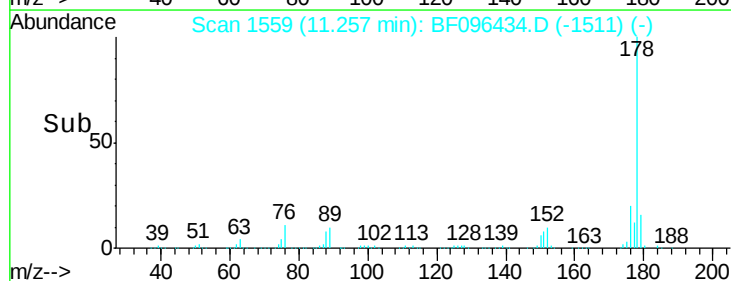
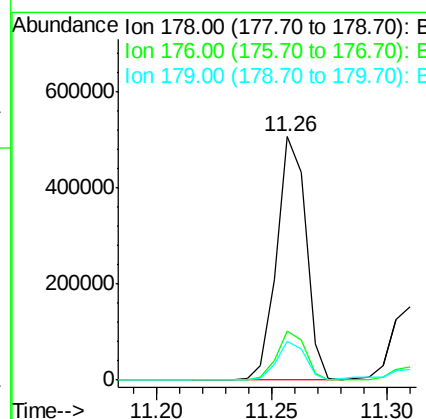
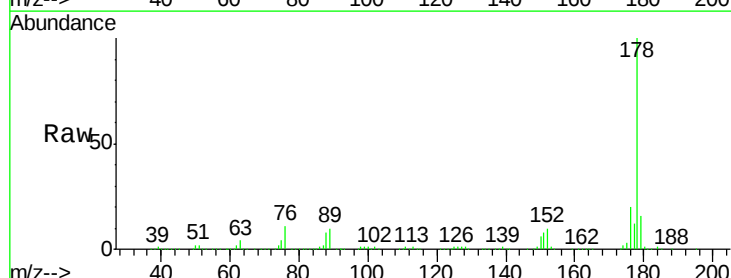
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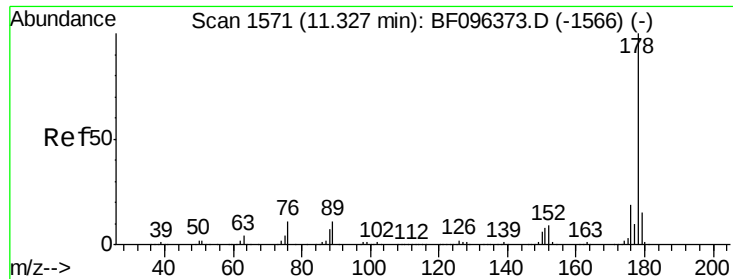
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#70
Phenanthrene
Concen: 20.133 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	445789		
176	20.2		16.2	24.4
179	15.7		12.6	19.0





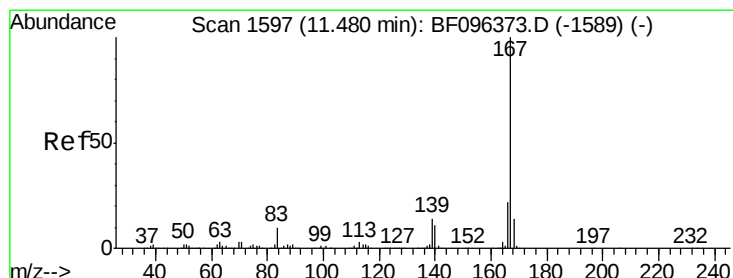
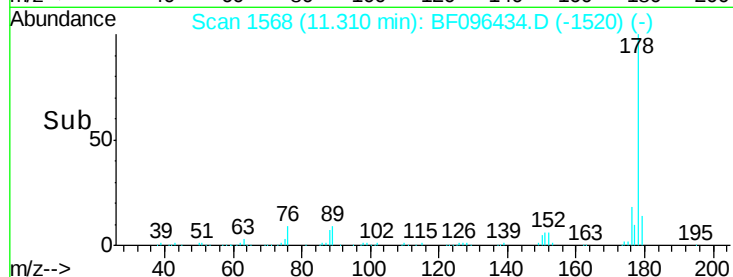
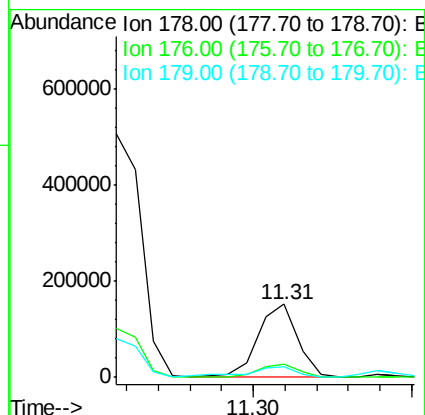
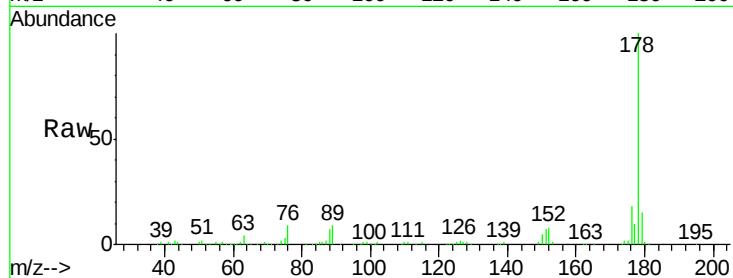
#71
 Anthracene
 Concen: 5.759 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

Instrument :
 BNA_F
 ClientSampleId :
 339-COMPDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	14.6	12.7	19.1

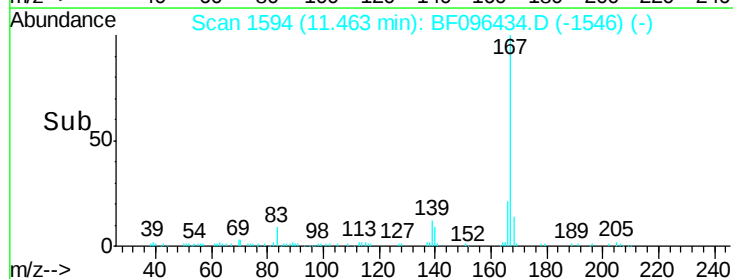
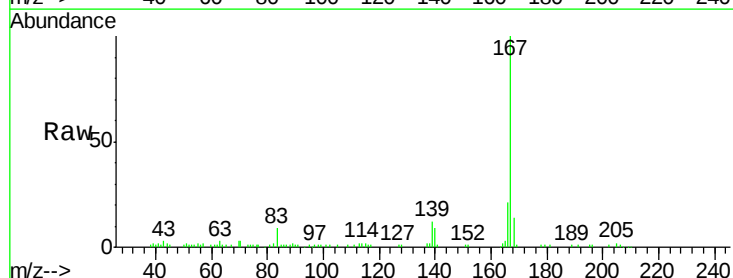
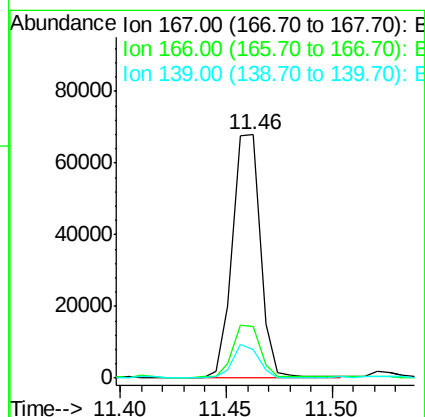
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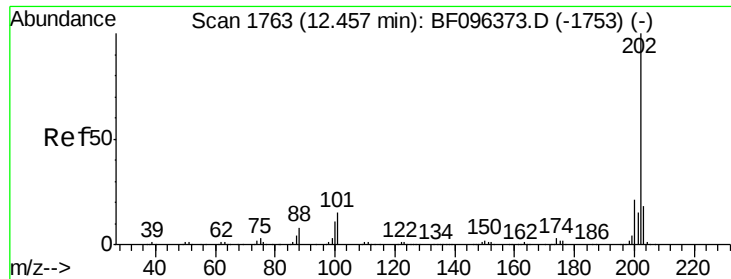
mohammad
 7/5/2017 11:41:03 AM



#72
 Carbazole
 Concen: 2.757 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: BF096434.D
 Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.1	27.1
139	11.8	11.7	17.5





#74

Fluoranthene

Concen: 29.582 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Instrument :

BNA_F

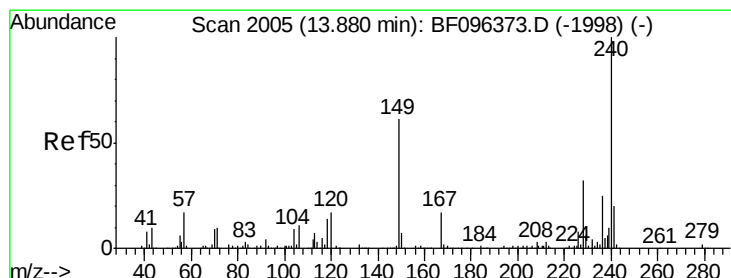
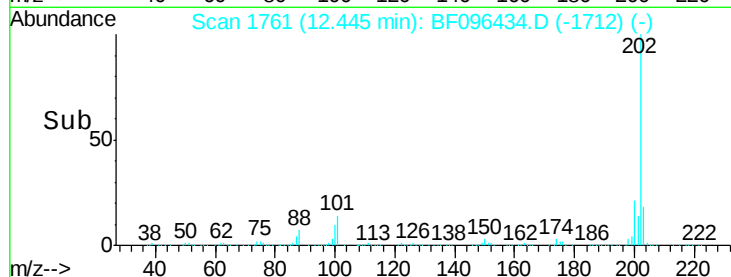
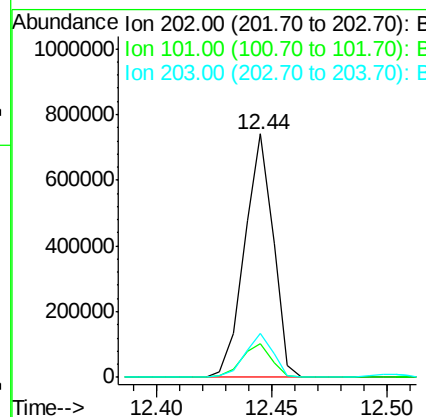
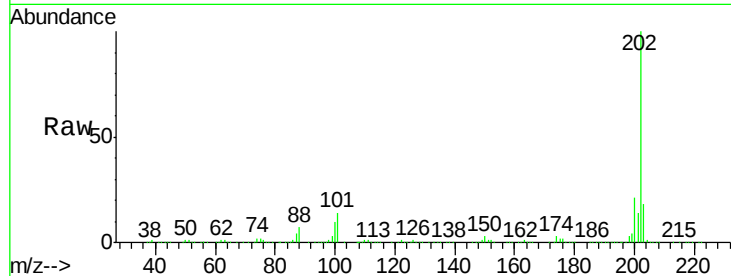
ClientSampleId :

339-COMPD

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		642190		
101	14.1	0.0	33.2		
203	18.0	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

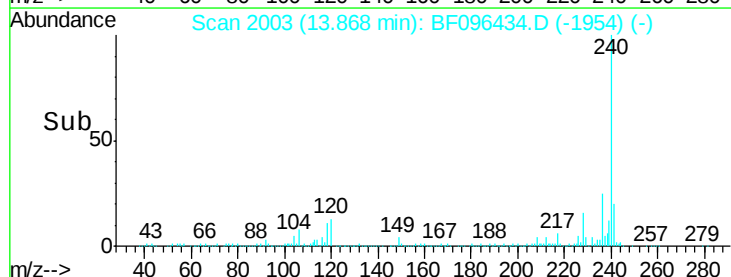
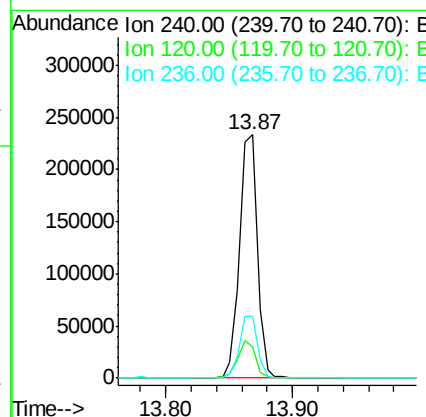
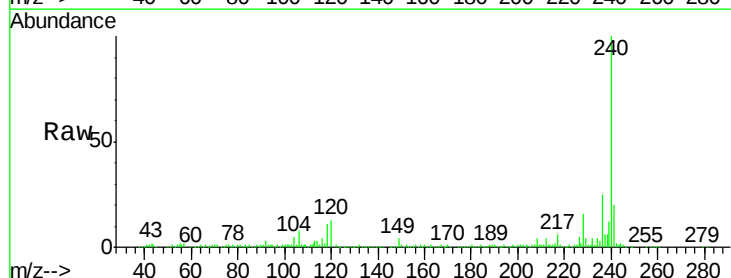
RT: 13.87 min Scan# 2003

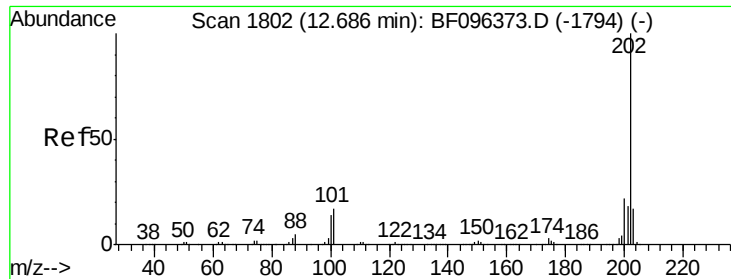
Delta R.T. -0.01 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		226646		
120	12.7	5.8	8.8#		
236	25.5	20.5	30.7		





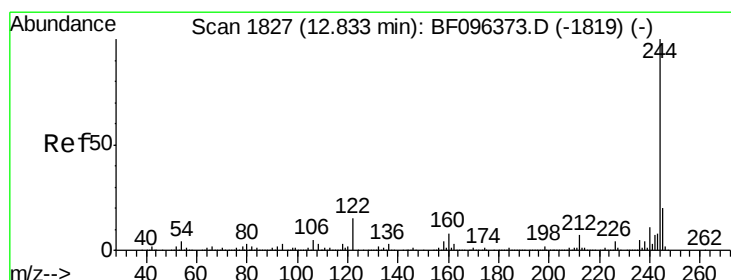
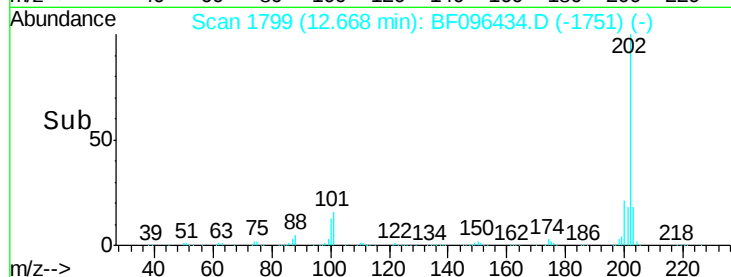
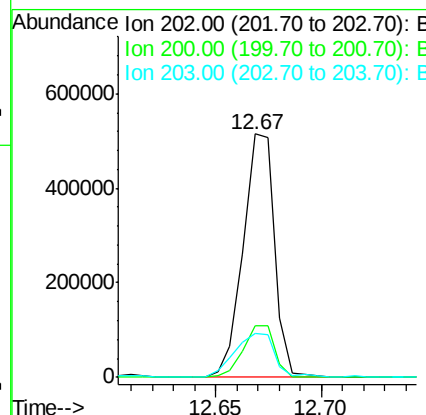
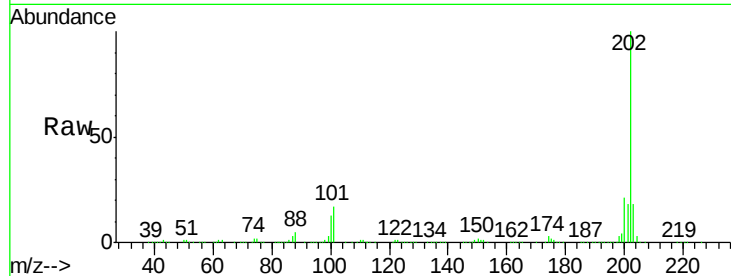
#77
Pyrene
Concen: 29.107 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Instrument :
BNA_F
ClientSampleId :
339-COMPDL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.3	17.6	26.4
203	18.3	14.4	21.6

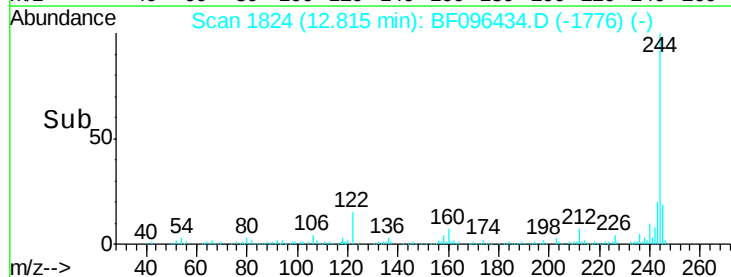
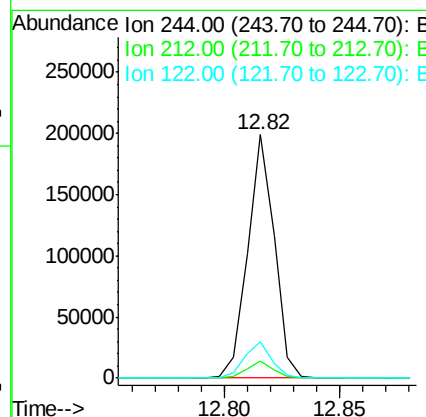
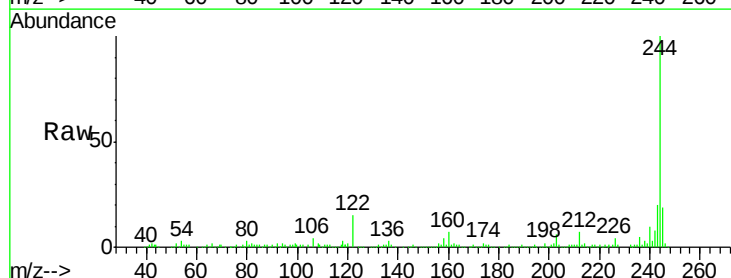
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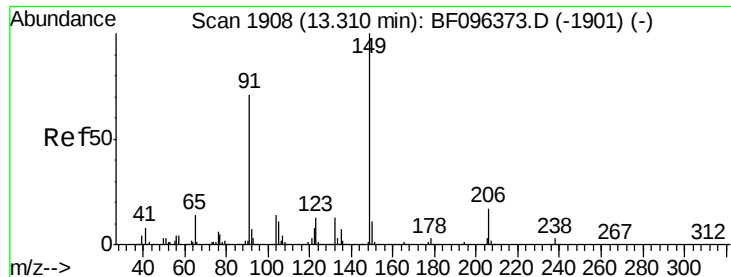
mohammad
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#78
Terphenyl-d14
Concen: 15.128 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.9	6.0	9.0
122	14.9	10.3	15.5





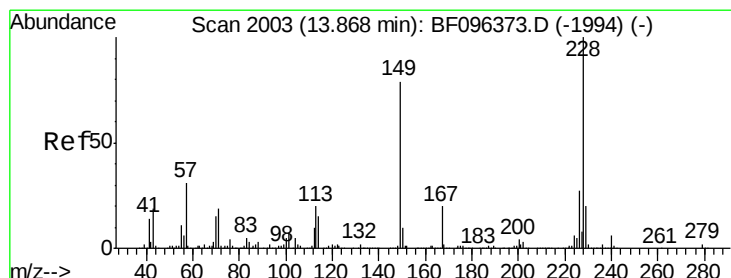
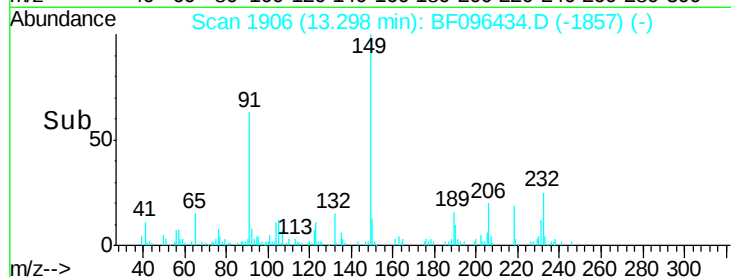
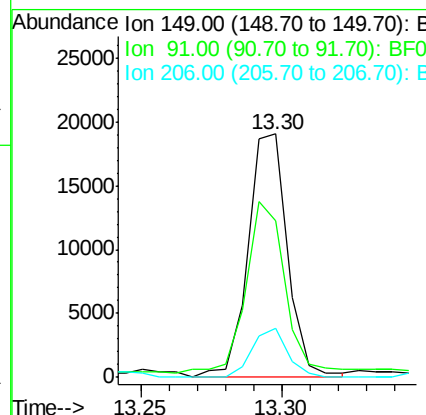
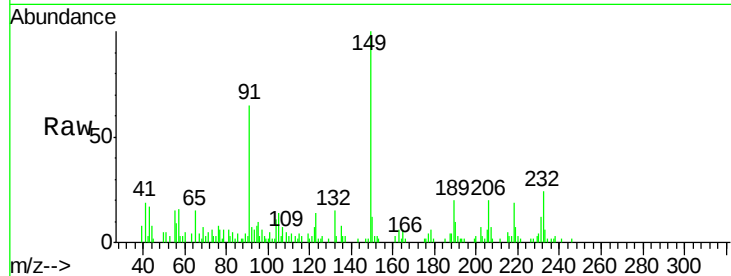
#79
Butylbenzylphthalate
Concen: 2.008 ng
RT: 13.30 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Instrument :
BNA_F
ClientSampleId :
339-COMPDL

Tgt Ion:	149	Resp:	18488
Ion Ratio	Lower	Upper	
149	100		
91	64.5	45.0	67.4
206	19.9	17.0	25.6

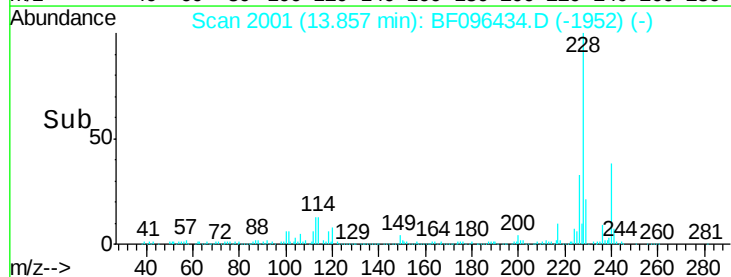
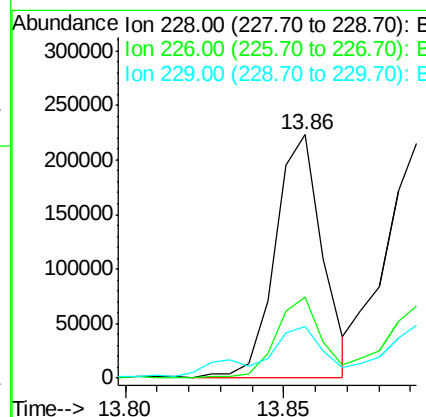
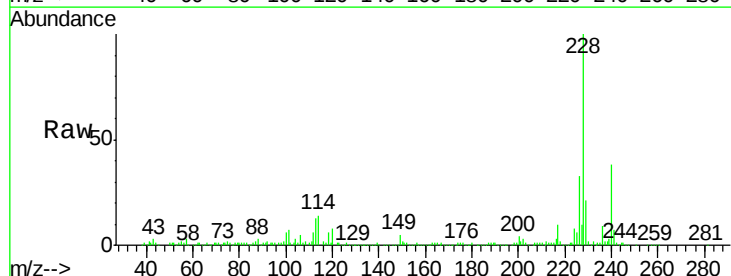
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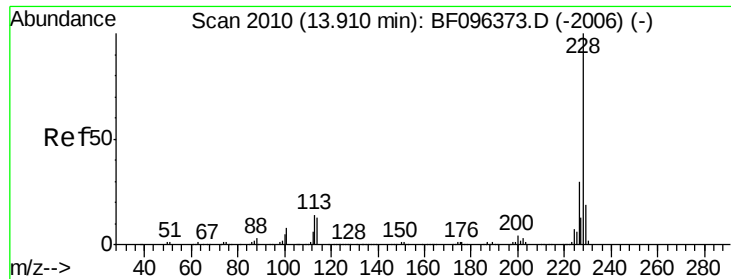
mohammad
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#80
Benzo(a)anthracene
Concen: 17.506 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion:	228	Resp:	229765
Ion Ratio	Lower	Upper	
228	100		
226	33.4	22.6	33.8
229	21.4	16.3	24.5





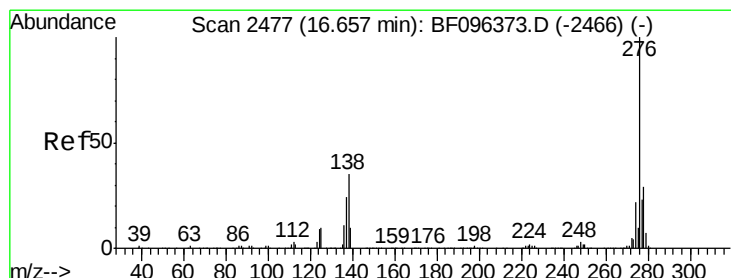
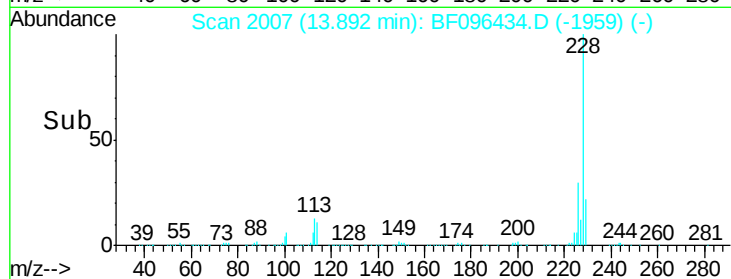
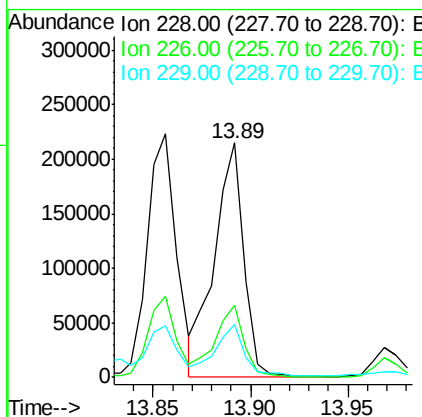
#82
Chrysene
Concen: 16.285 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Instrument :
BNA_F
ClientSampleId :
339-COMPDL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	22.5	15.8	23.6

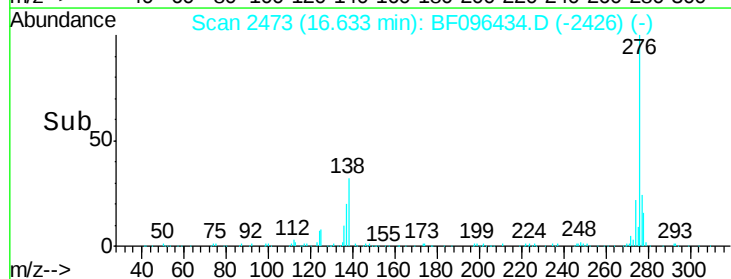
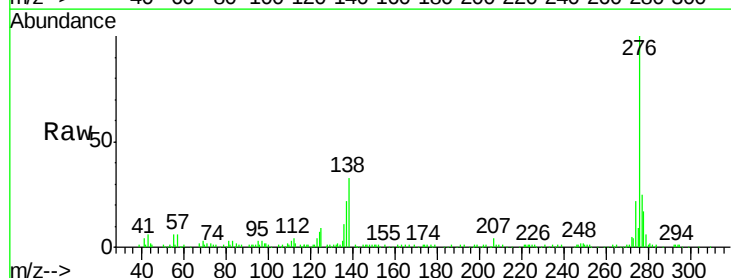
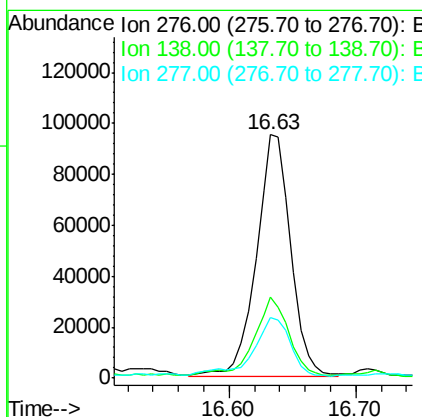
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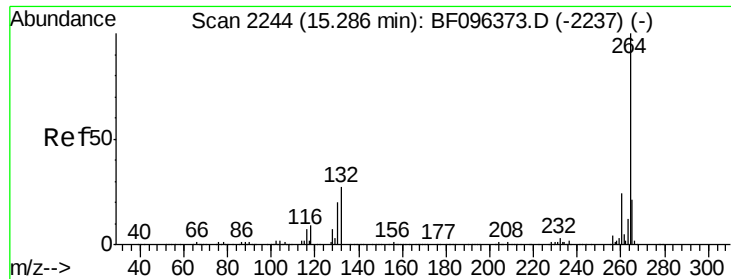
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#85
Indeno(1,2,3-cd)pyrene
Concen: 16.456 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.1	27.8	41.6
277	25.0	20.2	30.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Instrument :

BNA_F

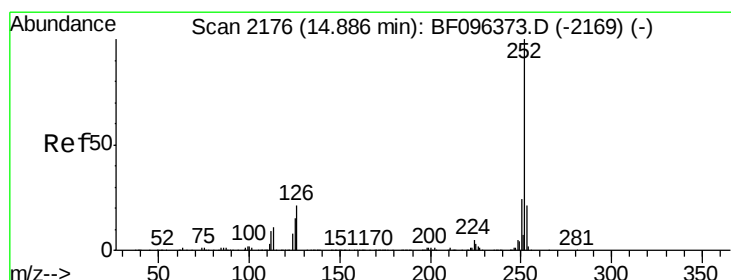
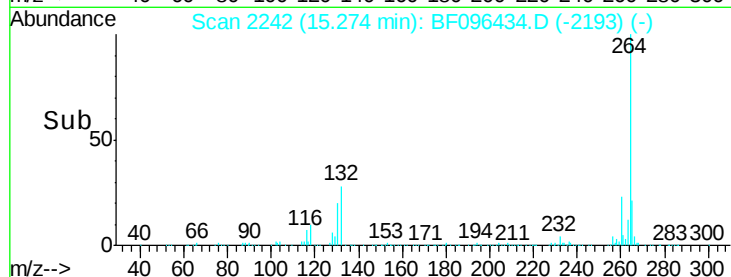
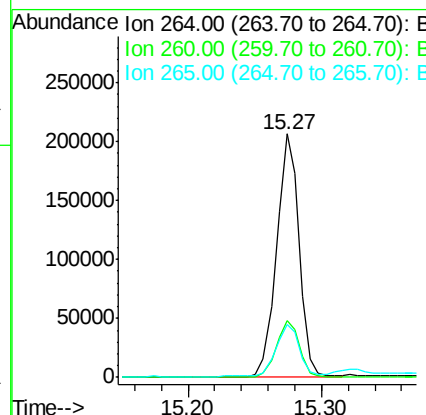
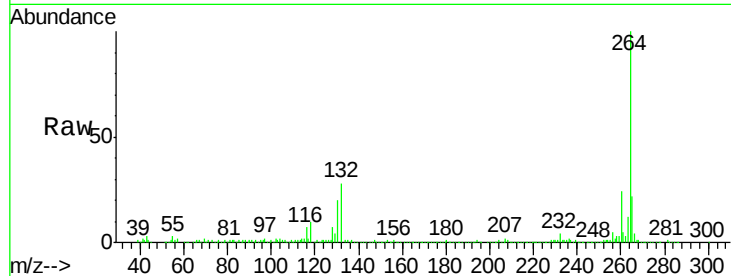
ClientSampleId :

339-COMPD

Tgt Ion:	264	Resp:	245405
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.5	29.3
265	21.5	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 22.225 ng m

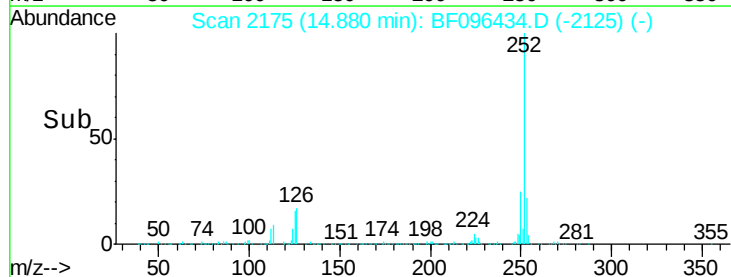
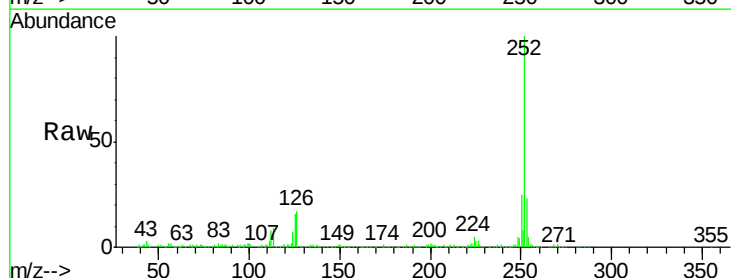
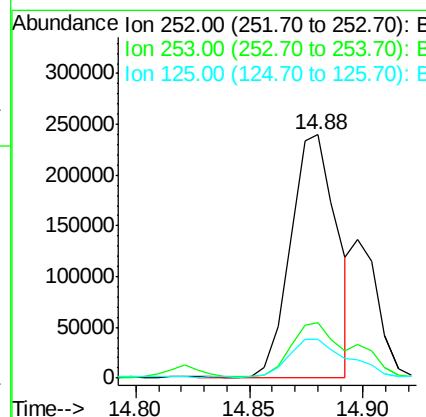
RT: 14.88 min Scan# 2175

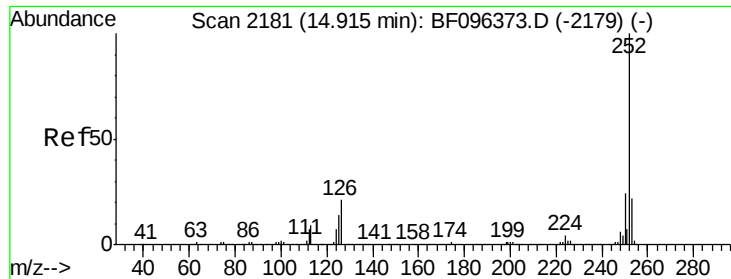
Delta R.T. -0.01 min

Lab File: BF096434.D

Acq: 3 Jul 2017 12:00

Tgt Ion:	252	Resp:	341760
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.1	27.1
125	16.0	9.8	14.8#





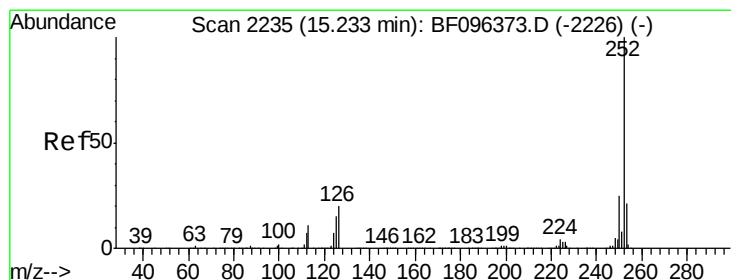
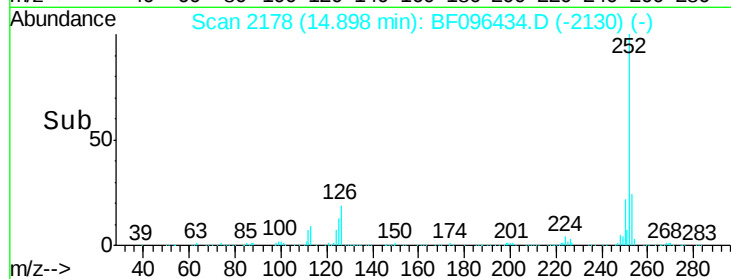
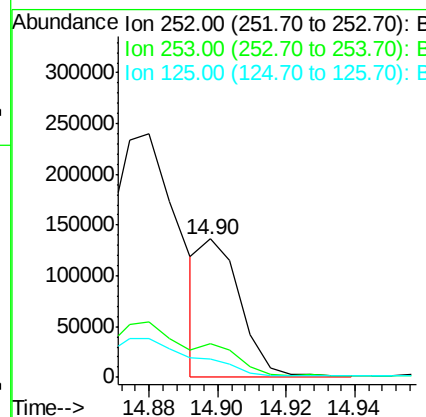
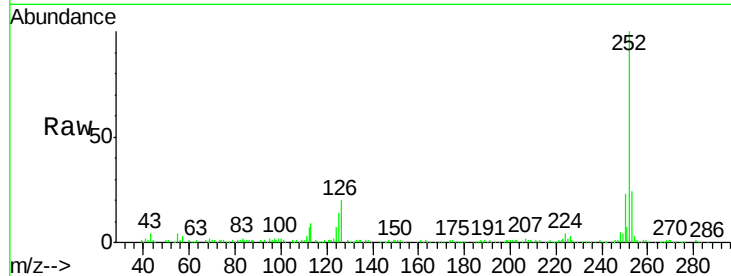
#88
Benzo(k)fluoranthene
Concen: 8.025 ng m
RT: 14.90 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Instrument :
BNA_F
ClientSampleId :
339-COMPD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	13.7	13.1	19.7

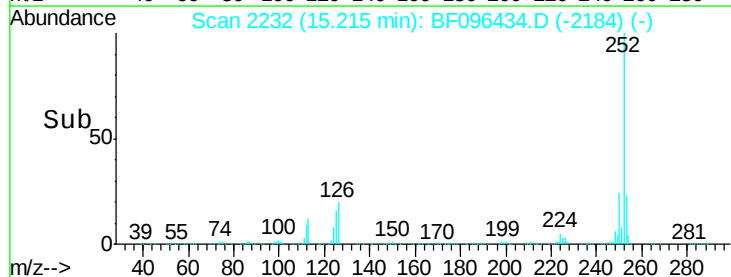
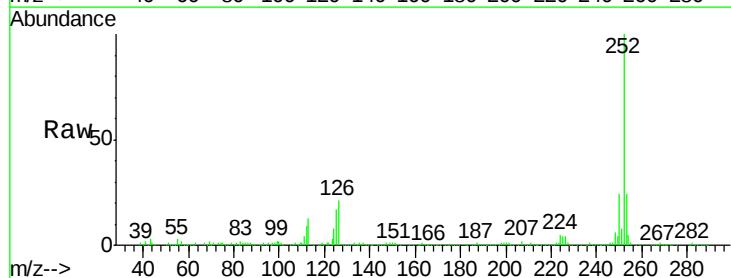
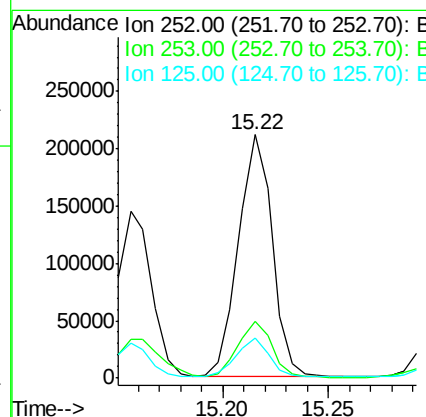
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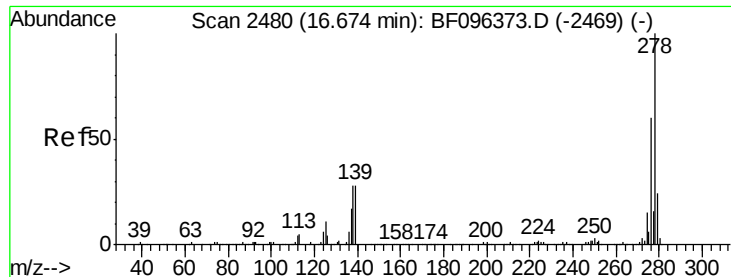
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#89
Benzo(a)pyrene
Concen: 17.055 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	16.7	11.0	16.4





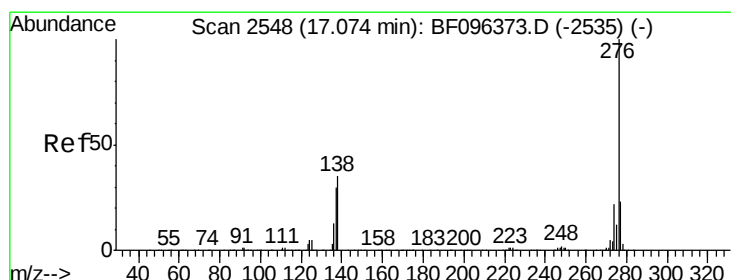
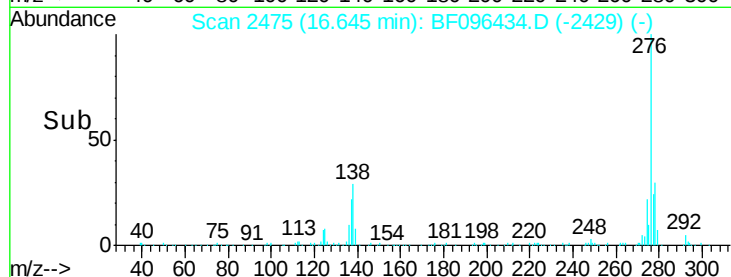
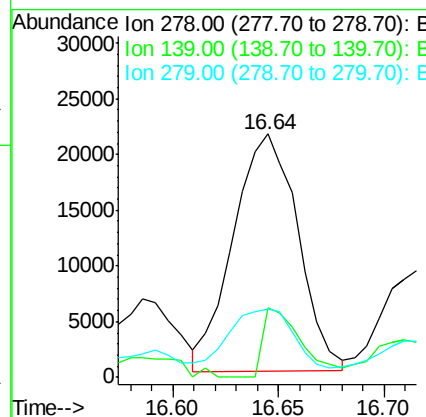
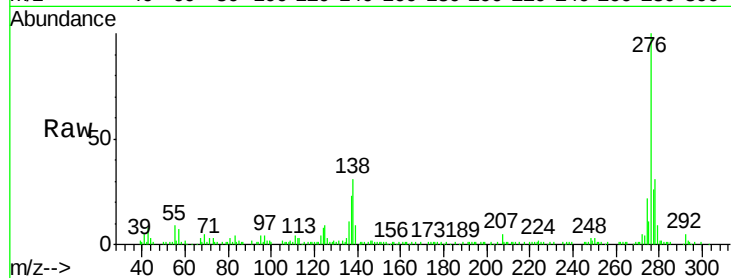
#90
Dibenzo(a,h)anthracene
Concen: 4.183 ng
RT: 16.64 min Scan# 2475
Delta R.T. -0.03 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Instrument :
BNA_F
ClientSampleId :
339-COMPDL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.7	16.6	24.8#
279	27.9	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 14.042 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF096434.D
Acq: 3 Jul 2017 12:00

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	34.2	25.4	38.0

