

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096753.D
 Acq On : 14 Jul 2017 3:13
 Operator : SJ/JU
 Sample : I4166-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4-5-6

Manual Integrations
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mohammad
 7/17/2017 8:12:01 AM

Quant Time: Jul 14 06:02:21 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	120019	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	447069	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	161664	20.00	ng	0.00
63) Phenanthrene-d10	11.14	188	252134	20.00	ng	0.00
75) Chrysene-d12	13.78	240	214574	20.00	ng	0.00
86) Perylene-d12	15.16	264	135703	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	624750	78.27	ng	0.01
7) Phenol-d6	6.28	99	721268	75.30	ng	0.00
23) Nitrobenzene-d5	7.20	82	380249	52.68	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	99434	72.06	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	644748	63.01	ng	0.00
78) Terphenyl-d14	12.73	244	443319	35.83	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.53	152	42039	2.584	ng	98
49) Dimethylphthalate	9.39	163	102687	8.436	ng	98
70) Phenanthrene	11.17	178	162640	11.863	ng	99
71) Anthracene	11.22	178	65891	4.754	ng	96
74) Fluoranthene	12.36	202	290995	22.176	ng	98
77) Pyrene	12.58	202	301031	15.458	ng	98
80) Benzo(a)anthracene	13.77	228	131147	9.809	ng	94
82) Chrysene	13.80	228	142307	10.812	ng	97
85) Indeno(1,2,3-cd)pyrene	16.47	276	49485	7.223	ng	93
87) Benzo(b)fluoranthene	14.78	252	134020m	16.375	ng	
88) Benzo(k)fluoranthene	14.80	252	31608m	4.078	ng	
89) Benzo(a)pyrene	15.11	252	86124	11.473	ng	96
91) Benzo(g,h,i)perylene	16.87	276	50992	6.894	ng	98

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

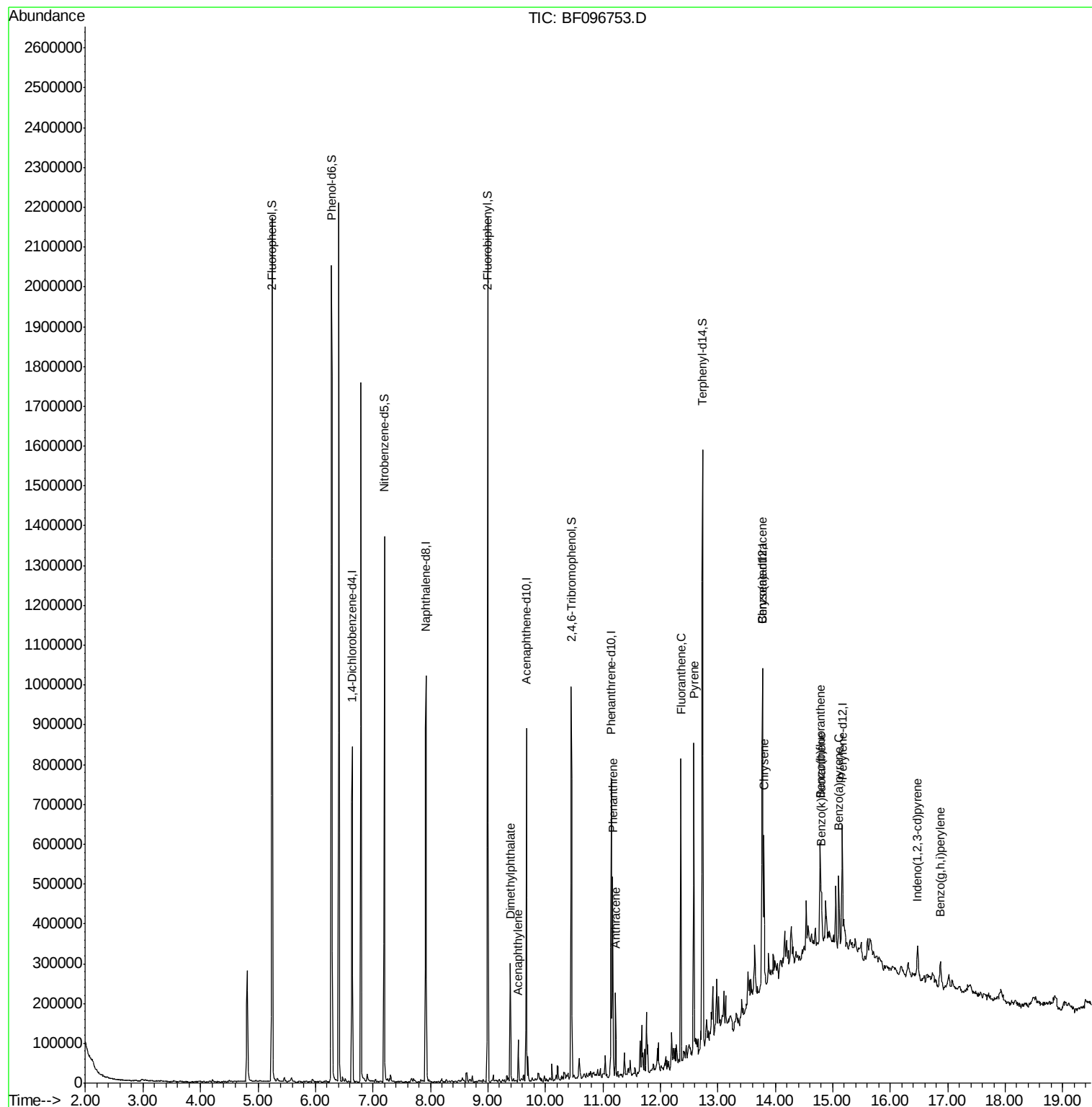
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096753.D
Acq On : 14 Jul 2017 3:13
Operator : SJ/JU
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Misc :
ALS Vial : 33 Sample Multiplier: 1

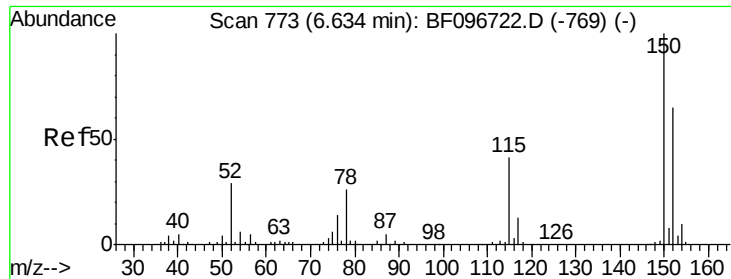
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

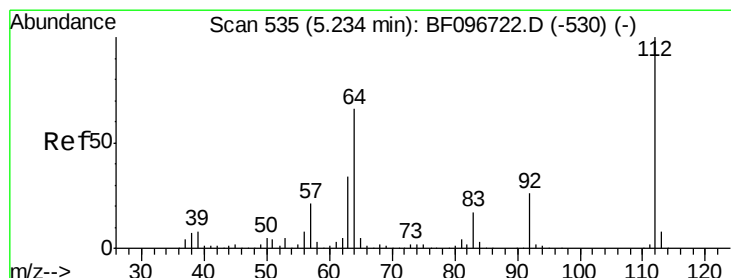
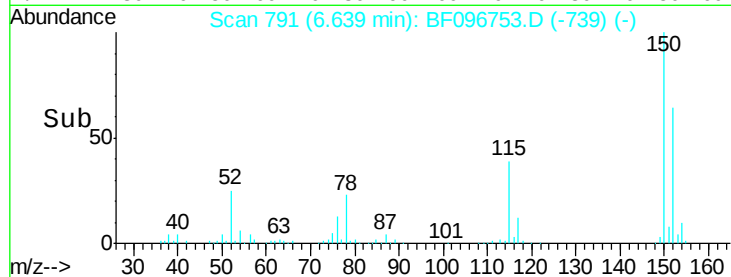
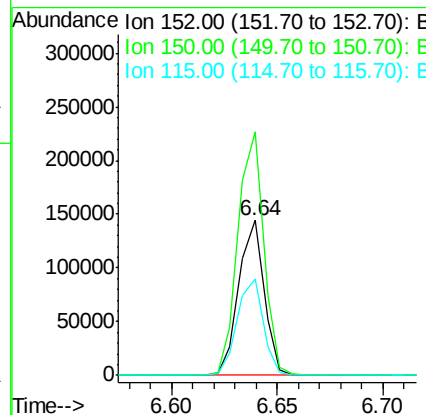
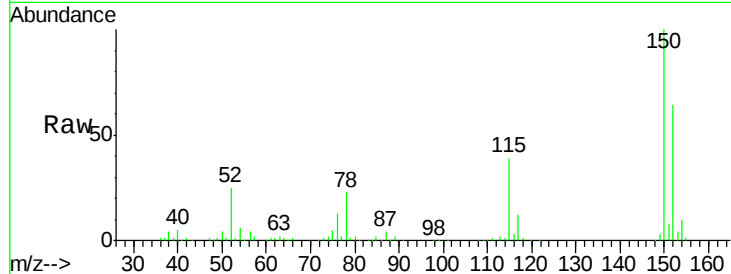
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF096753.D
Acq: 14 Jul 2017 3:13

Instrument :
BNA_F
ClientSampleId :
COMP-4-5-6

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.1	126.2	189.2
115	61.9	52.2	78.2

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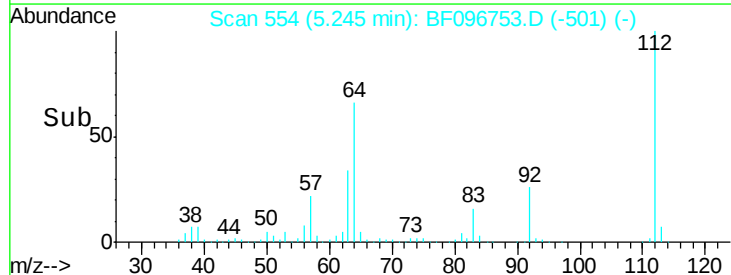
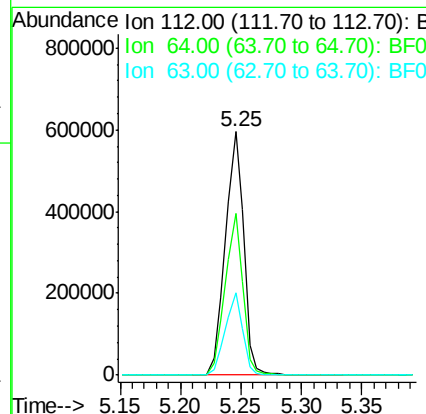
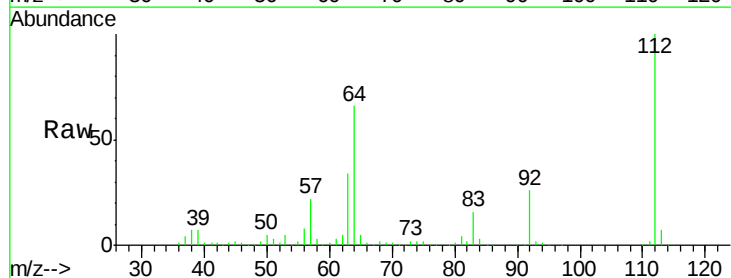
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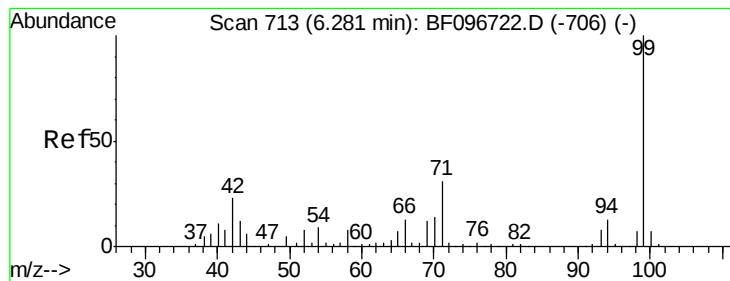


#5

2-Fluorophenol
Concen: 78.268 ng
RT: 5.25 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF096753.D
Acq: 14 Jul 2017 3:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	46.0	69.0
63	33.6	23.4	35.0





#7

Phenol-d6

Concen: 75.298 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096753.D

Acq: 14 Jul 2017 3:13

Instrument :

BNA_F

ClientSampleId :

COMP-4-5-6

Tgt Ion: 99 Resp: 721268

Ion Ratio Lower Upper

99 100

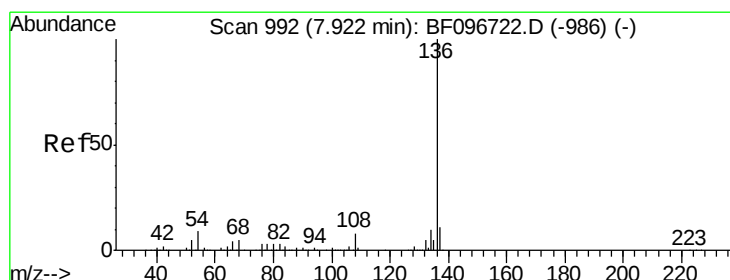
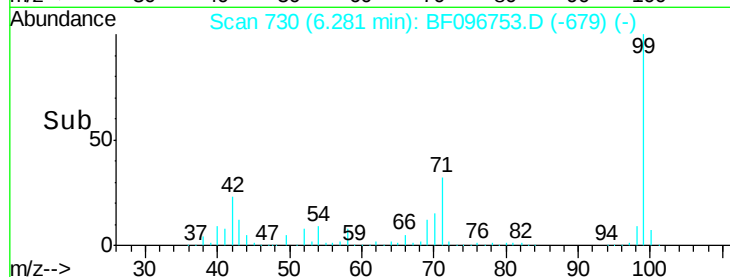
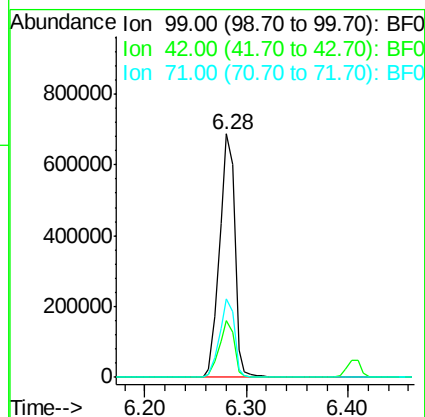
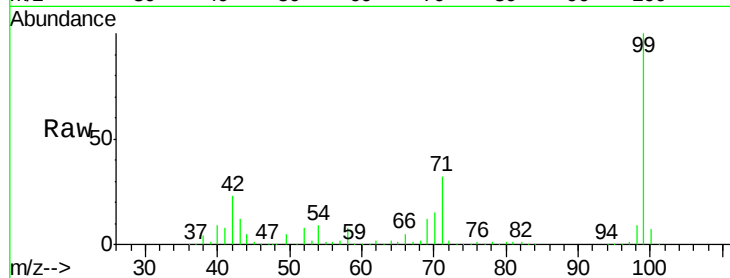
42 23.3 13.5 20.3#

71 32.4 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF096753.D

Acq: 14 Jul 2017 3:13

Tgt Ion: 136 Resp: 447069

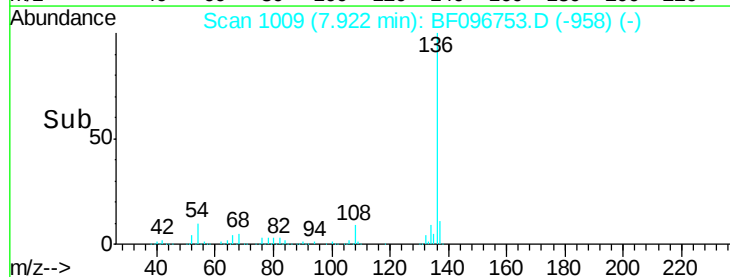
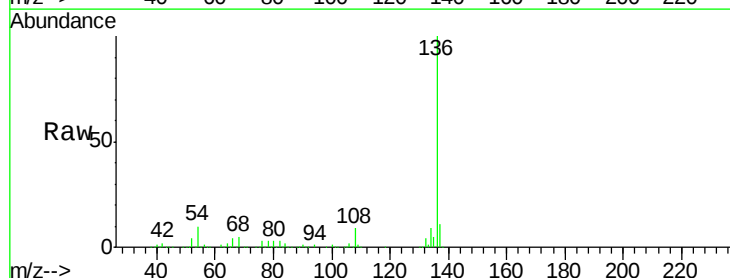
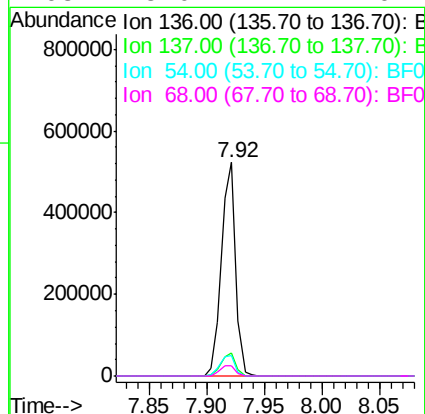
Ion Ratio Lower Upper

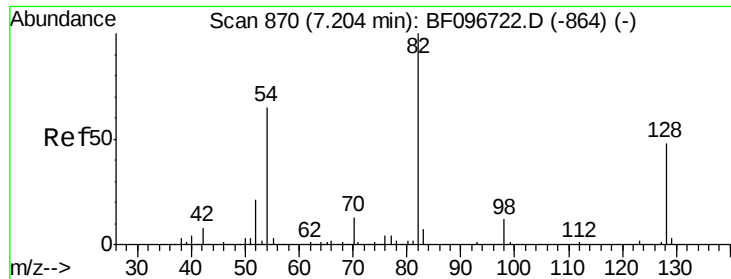
136 100

137 10.7 8.5 12.7

54 9.6 4.9 7.3#

68 5.0 4.1 6.1





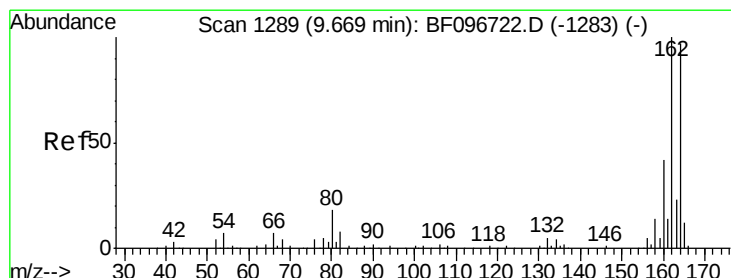
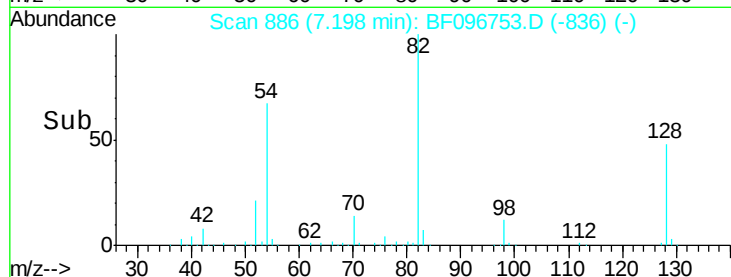
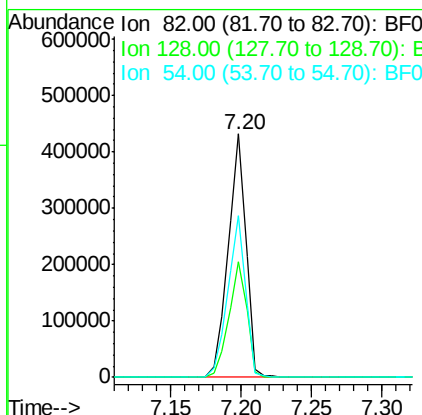
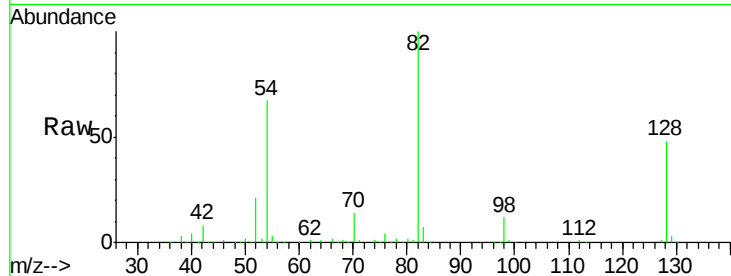
#23
 Nitrobenzene-d5
 Concen: 52.683 ng
 RT: 7.20 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF096753.D
 Acq: 14 Jul 2017 3:13

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4-5-6

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	47.6	34.0	51.0
54	66.6	42.2	63.2

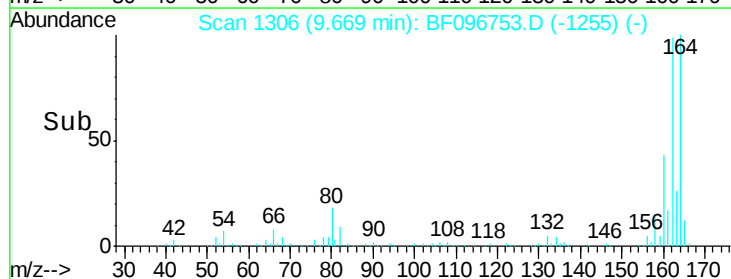
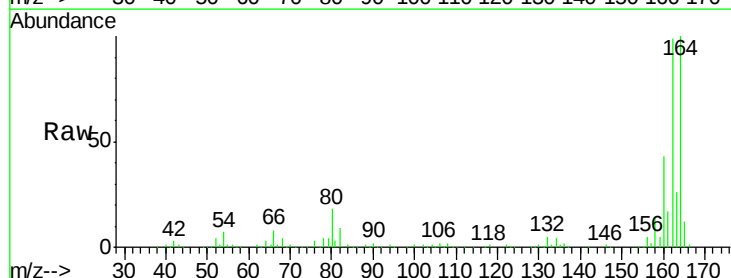
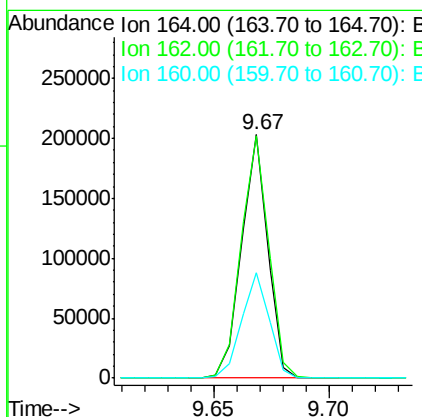
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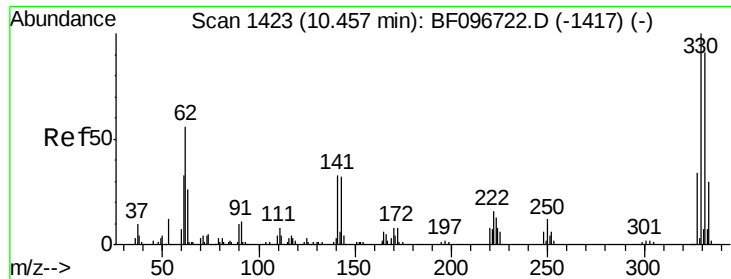
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.67 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF096753.D
 Acq: 14 Jul 2017 3:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	99.3	82.6	123.8
160	43.5	36.2	54.2





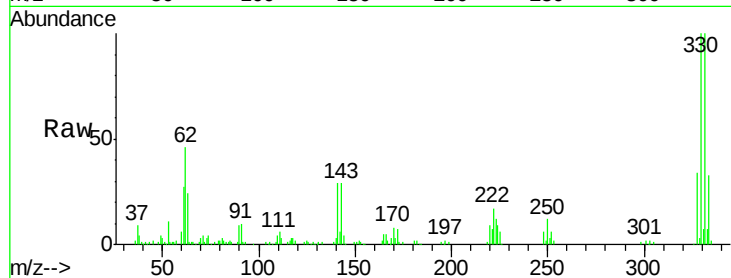
#41
 2,4,6-Tribromophenol
 Concen: 72.057 ng
 RT: 10.46 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF096753.D
 Acq: 14 Jul 2017 3:13

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4-5-6

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	39.6	31.4	47.2

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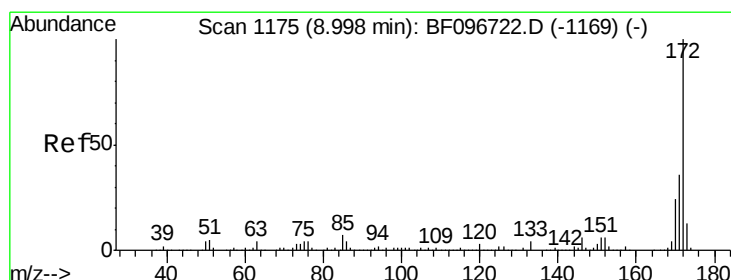
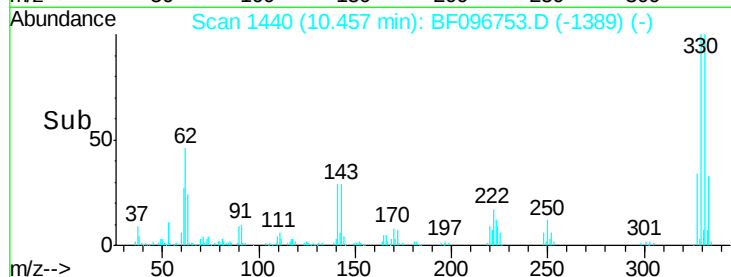
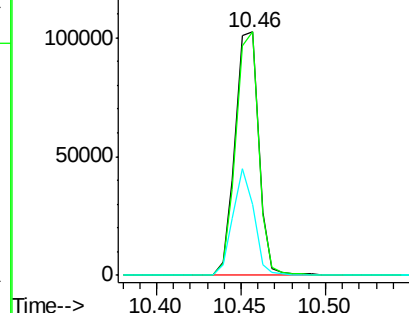


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 63.010 ng
 RT: 9.00 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: BF096753.D
 Acq: 14 Jul 2017 3:13

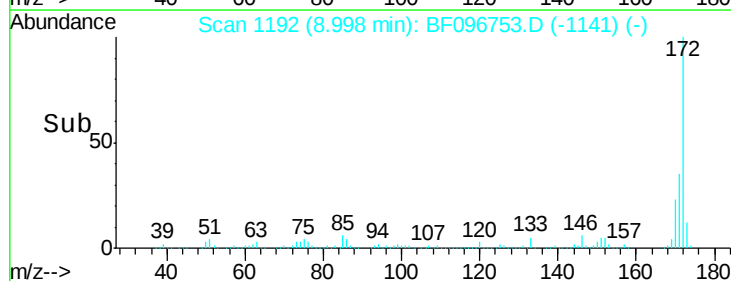
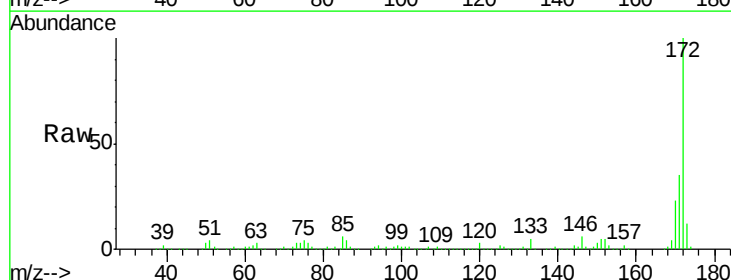
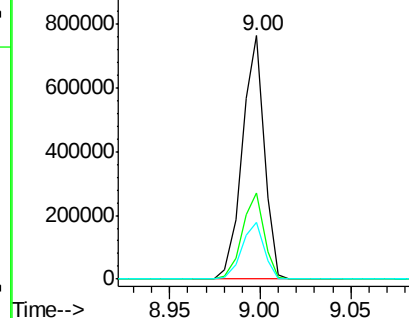
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.3	19.8	29.8

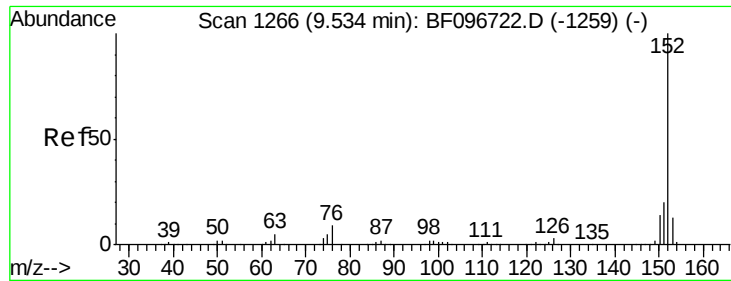
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





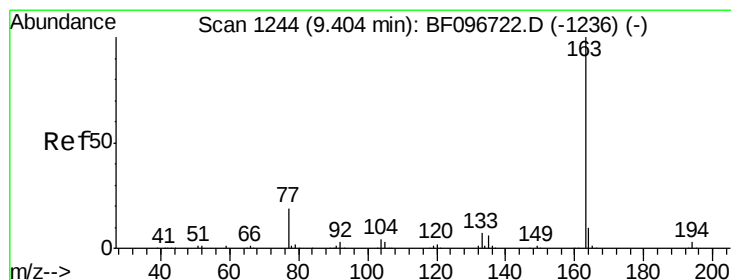
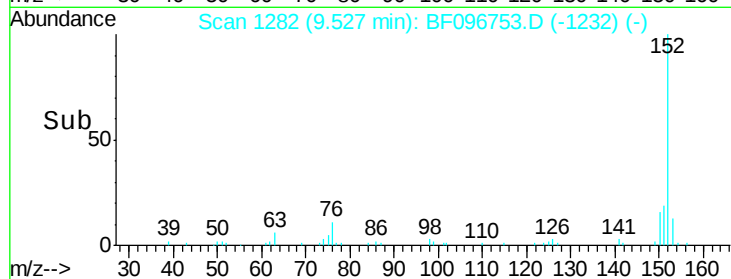
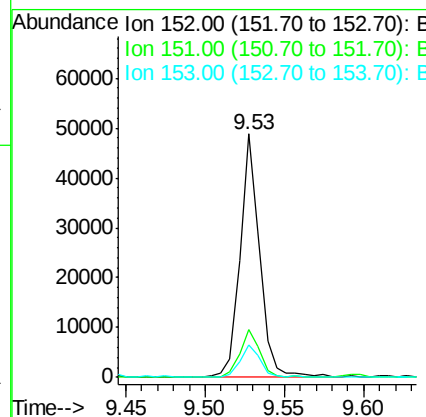
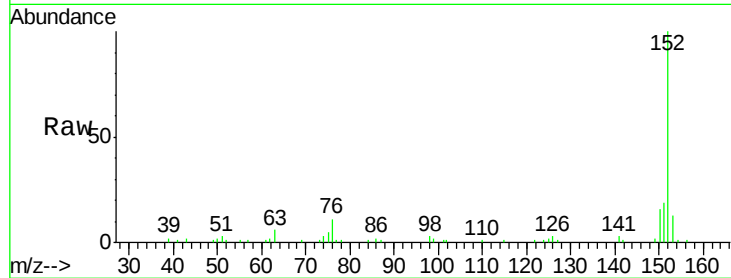
#48
Acenaphthylene
Concen: 2.584 ng
RT: 9.53 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF096753.D
Acq: 14 Jul 2017 3:13

Instrument :
BNA_F
ClientSampleId :
COMP-4-5-6

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	42039		
151	19.4	16.8	25.2	
153	13.3	10.8	16.2	

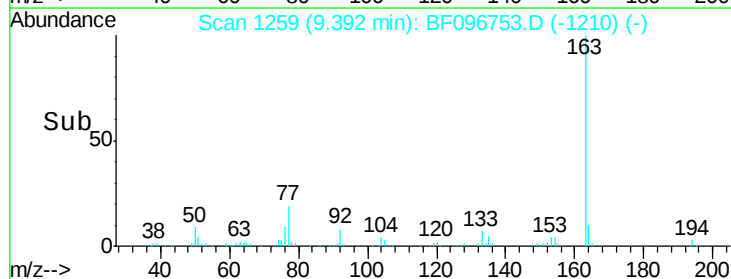
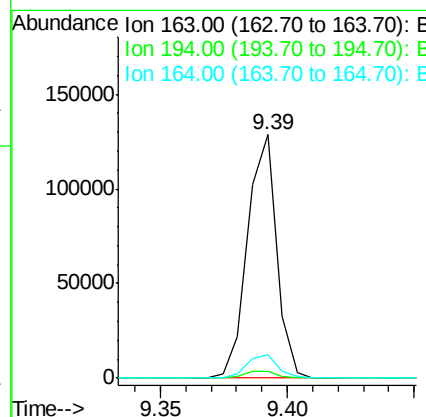
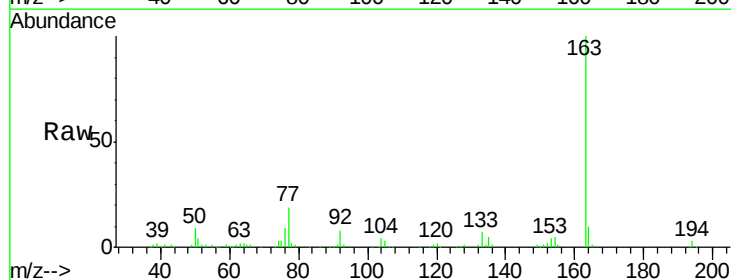
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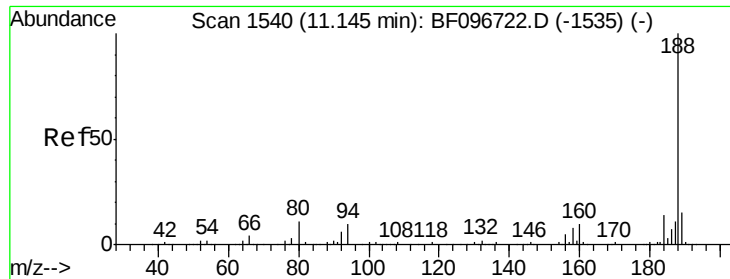
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#49
Dimethylphthalate
Concen: 8.436 ng
RT: 9.39 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF096753.D
Acq: 14 Jul 2017 3:13

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	102687		
194	3.0	2.6	4.0	
164	9.6	8.4	12.6	





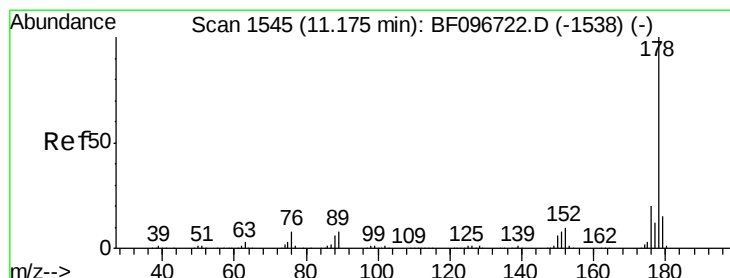
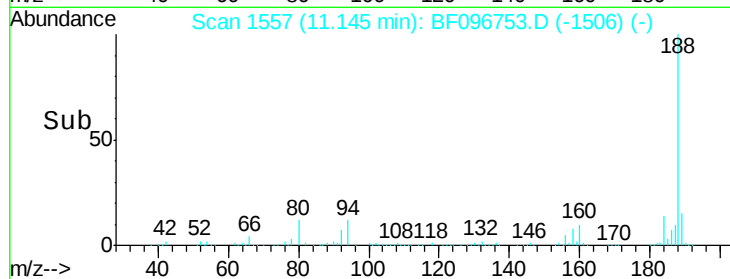
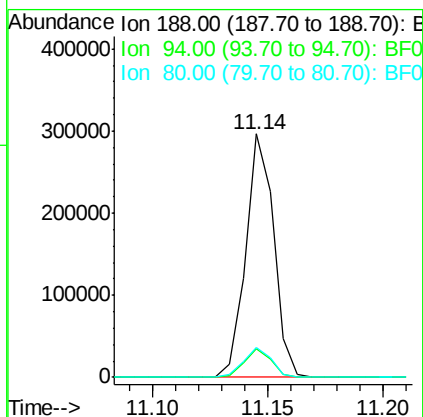
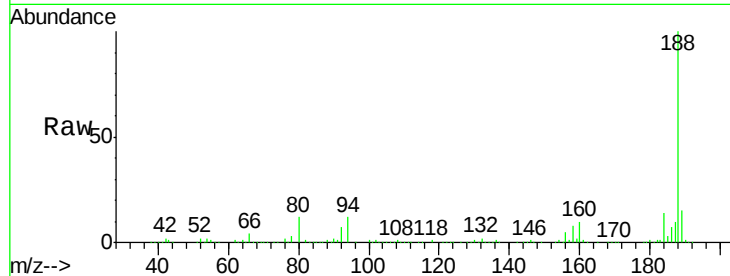
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.14 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF096753.D
Acq: 14 Jul 2017 3:13

Instrument :
BNA_F
ClientSampleId :
COMP-4-5-6

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	9.4	14.2
80	12.2	10.2	15.2

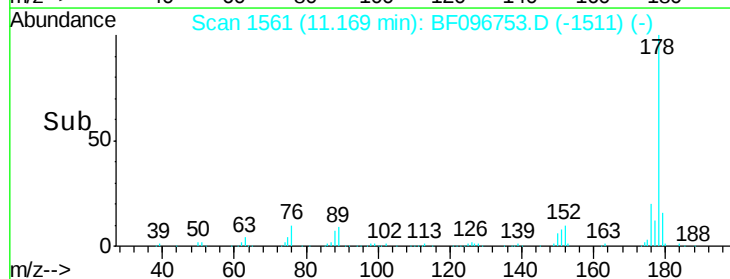
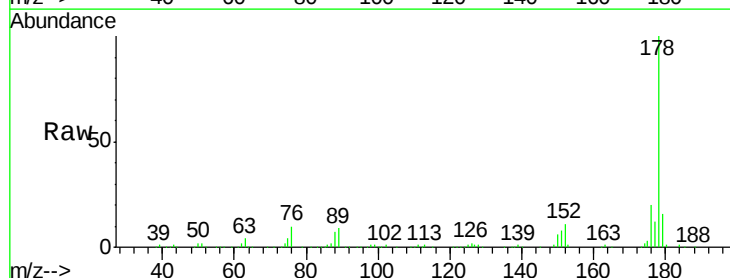
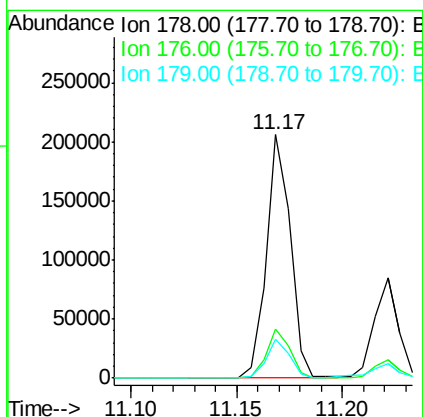
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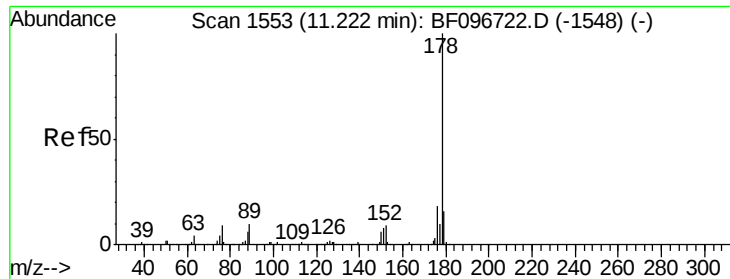
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#70
Phenanthrene
Concen: 11.863 ng
RT: 11.17 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096753.D
Acq: 14 Jul 2017 3:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	16.2	24.4
179	16.0	12.6	19.0





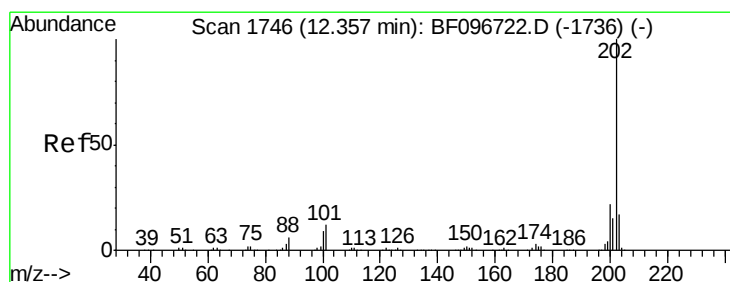
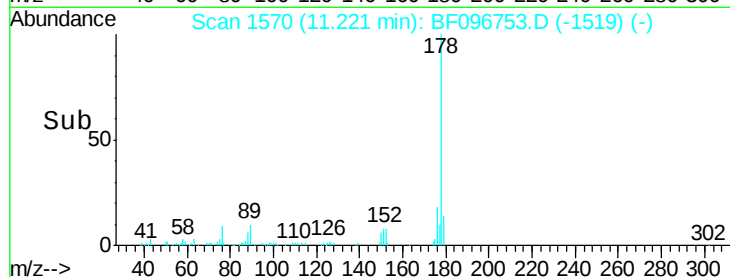
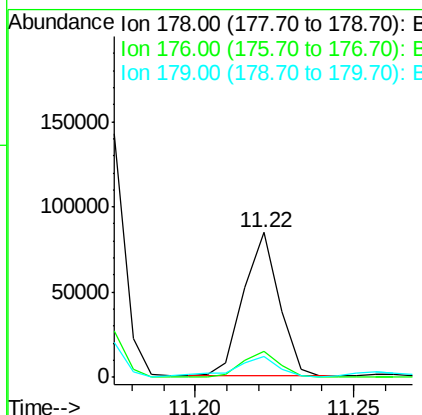
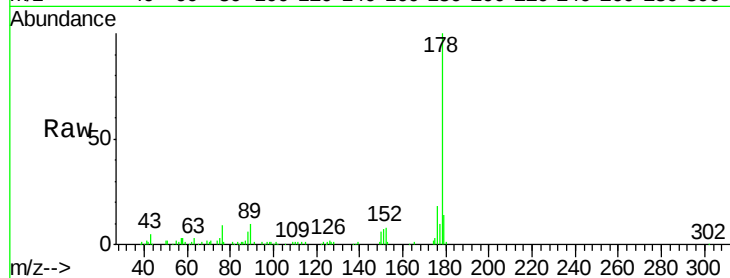
#71
 Anthracene
 Concen: 4.754 ng
 RT: 11.22 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF096753.D
 Acq: 14 Jul 2017 3:13

Instrument :
 BNA_F
 ClientSampleId :
 COMP-4-5-6

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	14.2	12.7	19.1

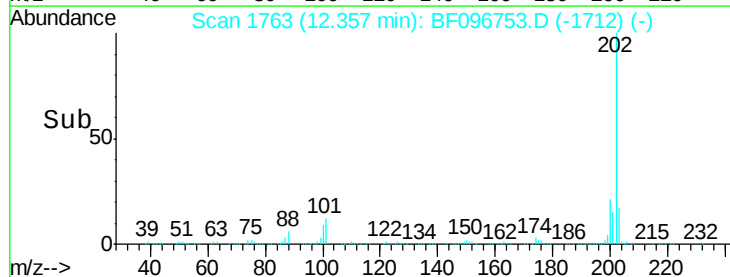
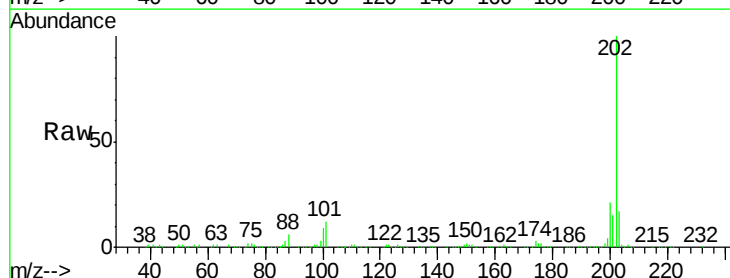
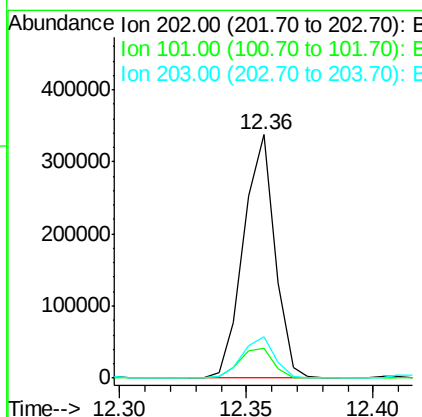
Manual Integrations
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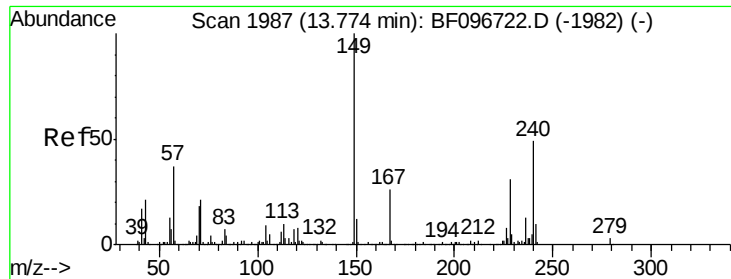
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#74
 Fluoranthene
 Concen: 22.176 ng
 RT: 12.36 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: BF096753.D
 Acq: 14 Jul 2017 3:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.78 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF096753.D

Acq: 14 Jul 2017 3:13

Instrument :

BNA_F

ClientSampleId :

COMP-4-5-6

Tgt Ion: 240 Resp: 214574

Ion Ratio Lower Upper

240 100

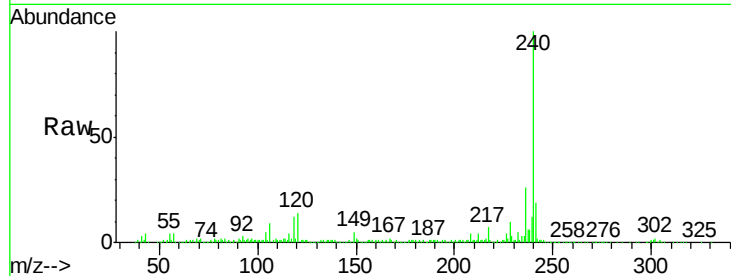
120 13.7 5.8 8.8#

236 25.7 20.5 30.7

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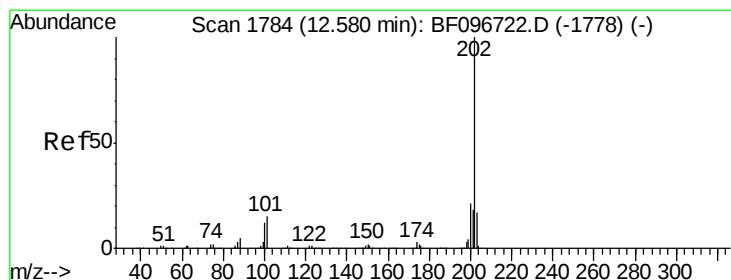
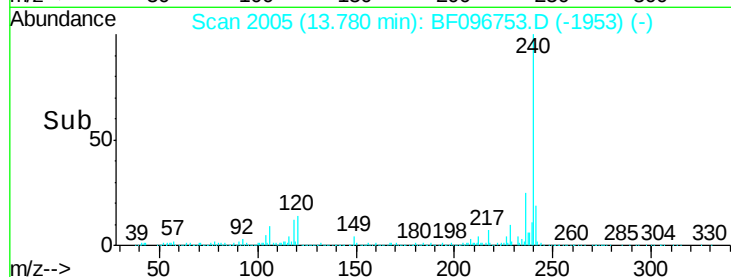
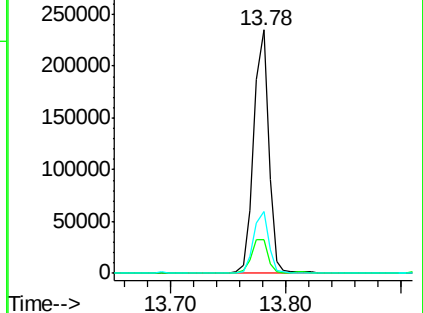
7/17/2017 8:12:01 AM



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: 15.458 ng

RT: 12.58 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF096753.D

Acq: 14 Jul 2017 3:13

Tgt Ion: 202 Resp: 301031

Ion Ratio Lower Upper

202 100

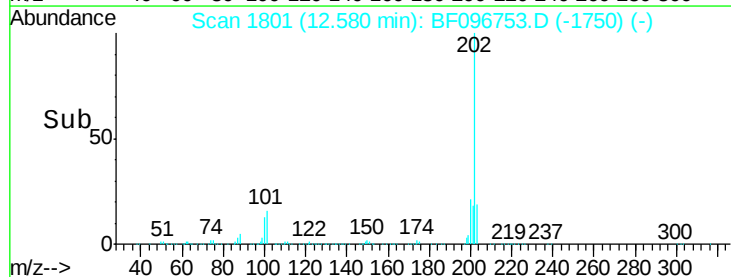
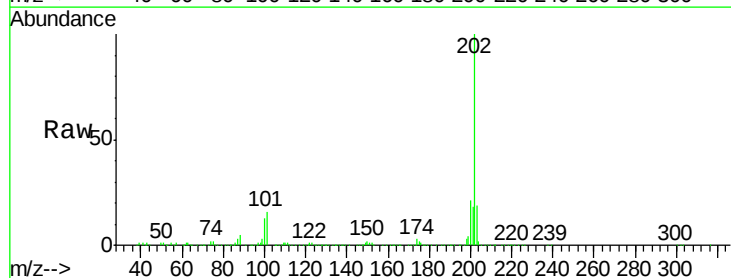
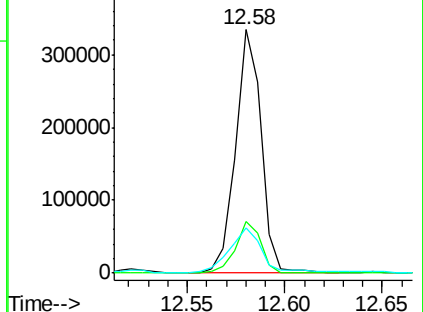
200 21.3 17.6 26.4

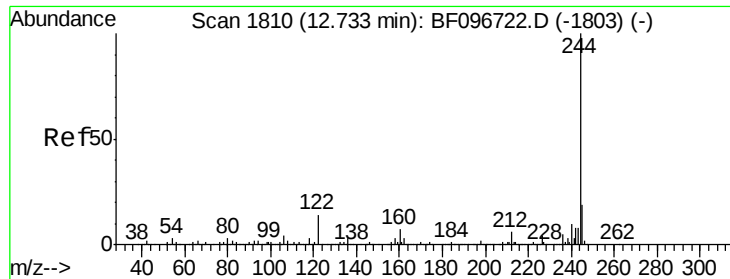
203 18.8 14.4 21.6

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: 35.831 ng

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF096753.D

Acq: 14 Jul 2017 3:13

Instrument :

BNA_F

ClientSampleId :

COMP-4-5-6

Tgt Ion: 244 Resp: 443319

Ion Ratio Lower Upper

244 100

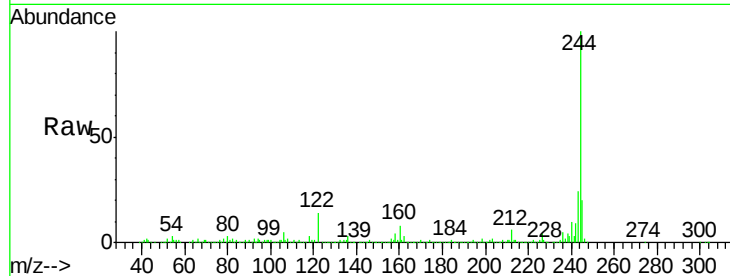
212 6.4 6.0 9.0

122 14.3 10.3 15.5

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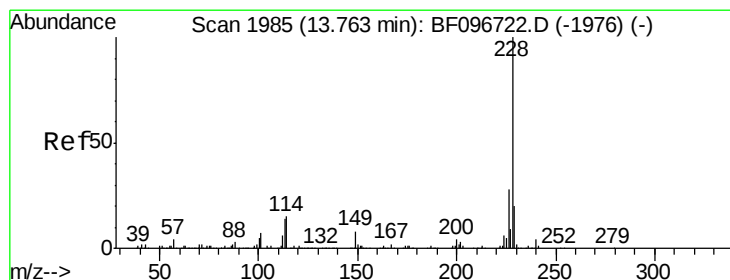
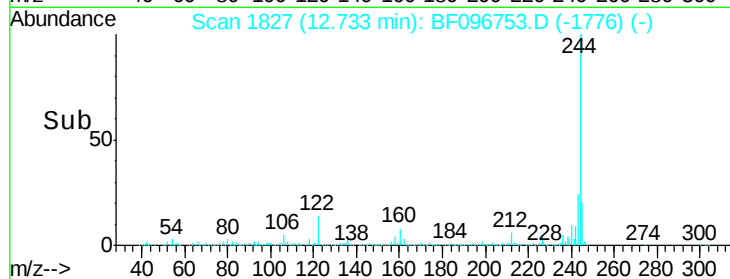
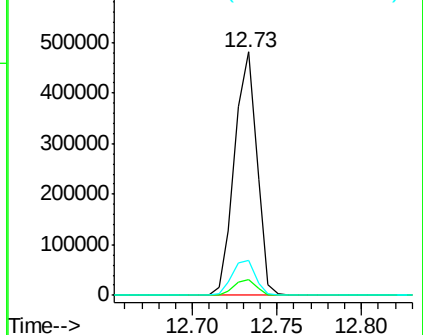
7/17/2017 8:12:01 AM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.809 ng

RT: 13.77 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF096753.D

Acq: 14 Jul 2017 3:13

Tgt Ion: 228 Resp: 131147

Ion Ratio Lower Upper

228 100

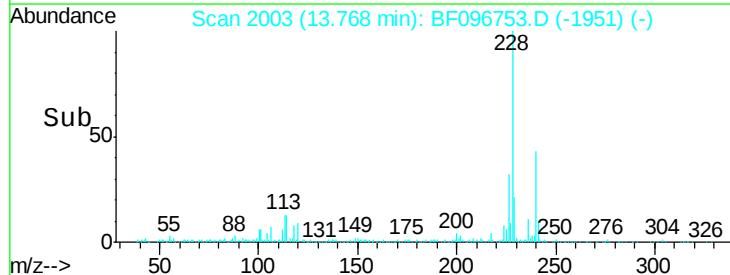
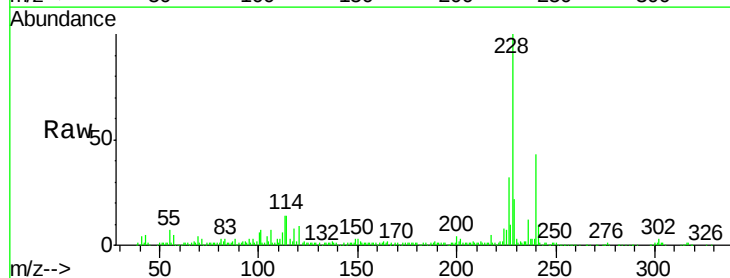
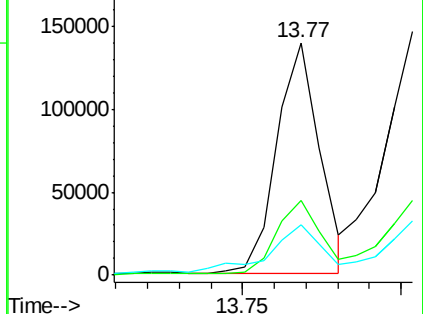
226 32.3 22.6 33.8

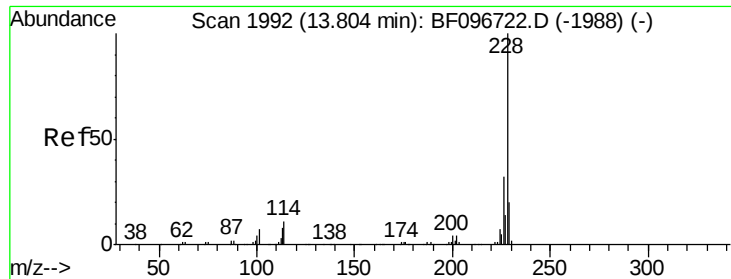
229 21.7 16.3 24.5

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.812 ng

RT: 13.80 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BF096753.D

Acq: 14 Jul 2017 3:13

Instrument :

BNA_F

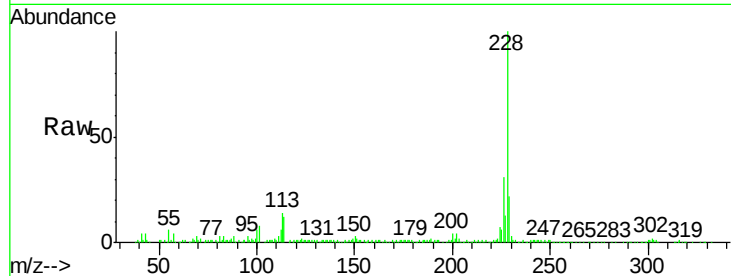
ClientSampleId :

COMP-4-5-6

Tgt Ion:	228	Resp:	142307
Ion Ratio		Lower	Upper
228	100		
226	30.7	24.9	37.3
229	22.1	15.8	23.6

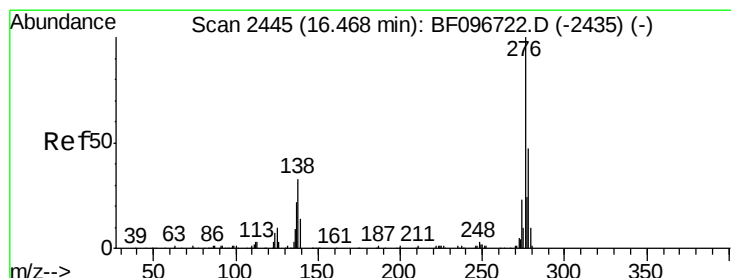
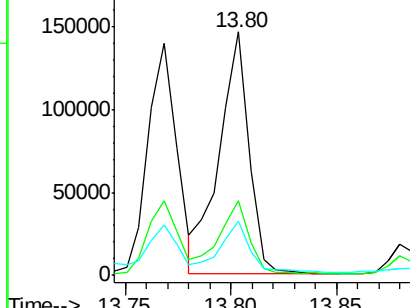
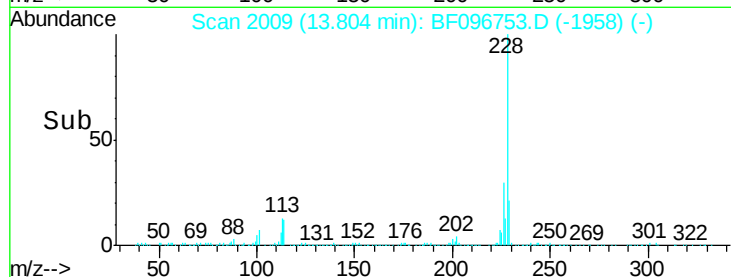
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

13.80



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.223 ng

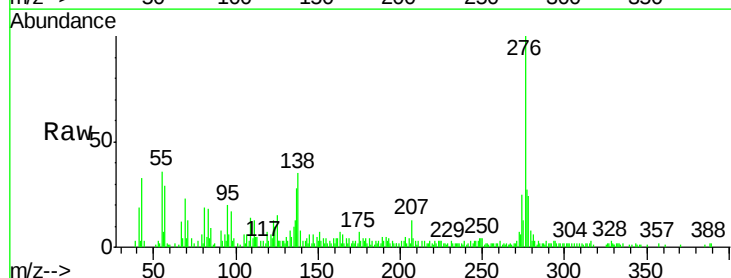
RT: 16.47 min Scan# 2463

Delta R.T. 0.01 min

Lab File: BF096753.D

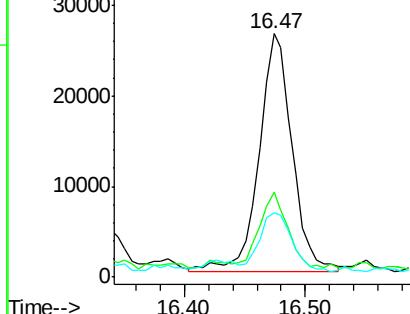
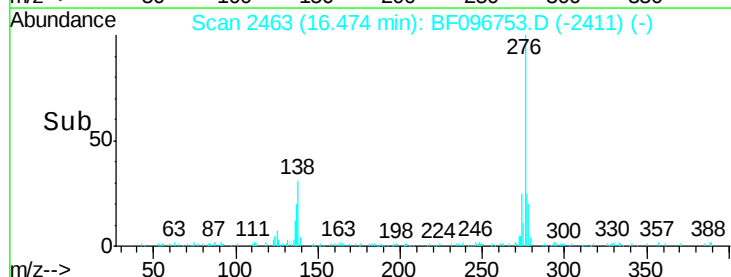
Acq: 14 Jul 2017 3:13

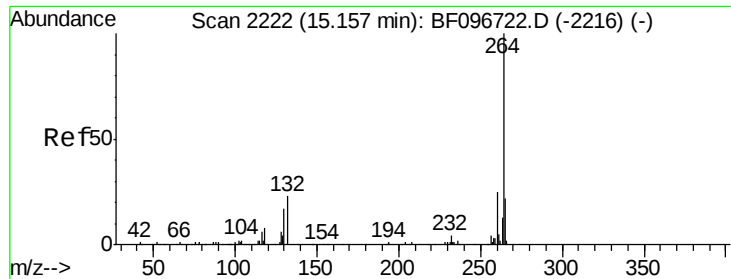
Tgt Ion:	276	Resp:	49485
Ion Ratio		Lower	Upper
276	100		
138	28.2	27.8	41.6
277	24.9	20.2	30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

16.47





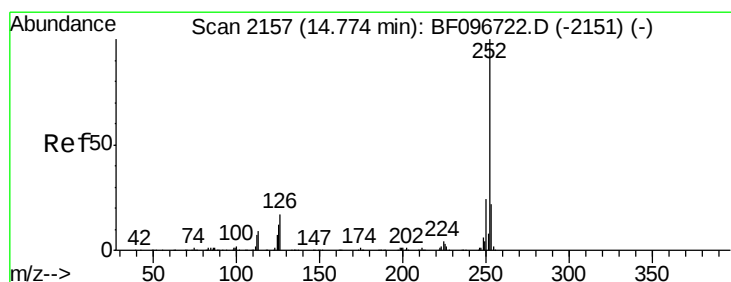
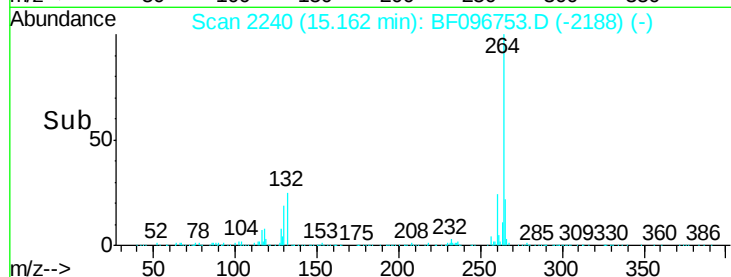
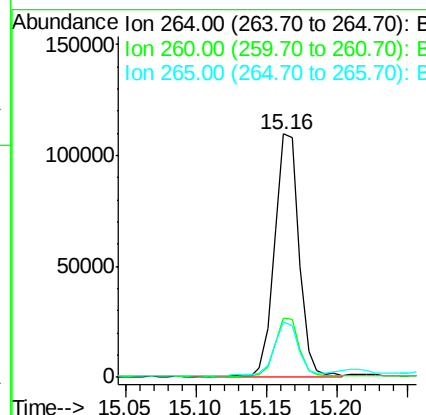
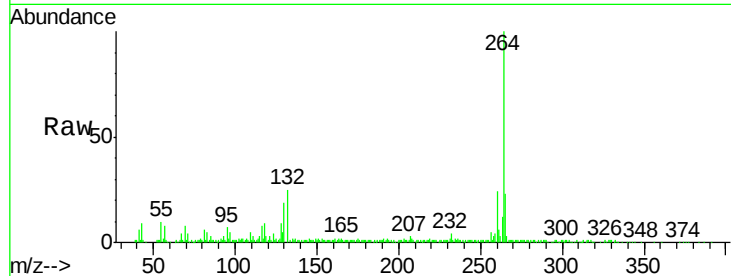
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF096753.D
Acq: 14 Jul 2017 3:13

Instrument :
BNA_F
ClientSampled :
COMP-4-5-6

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.8	17.2	25.8

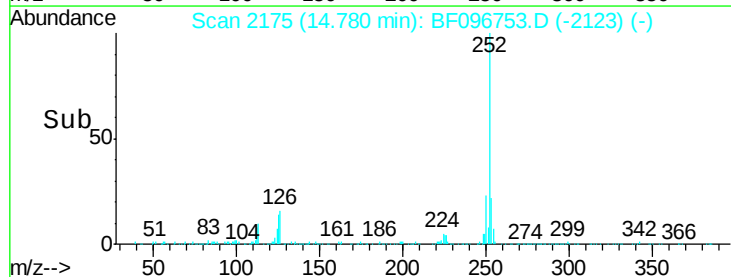
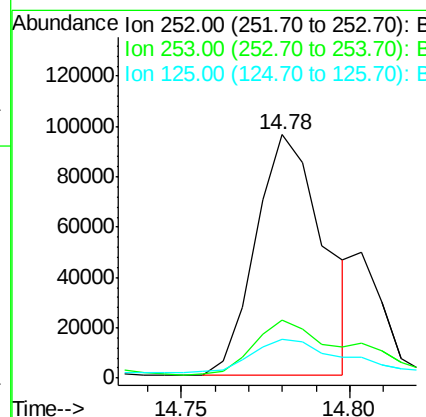
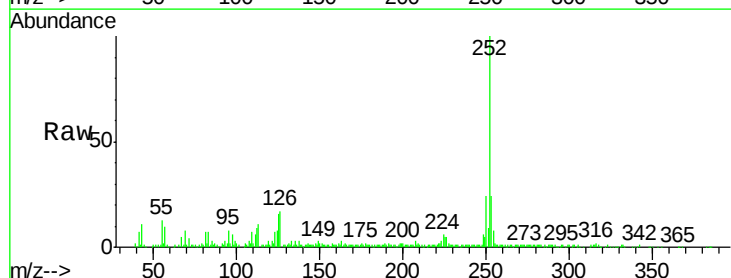
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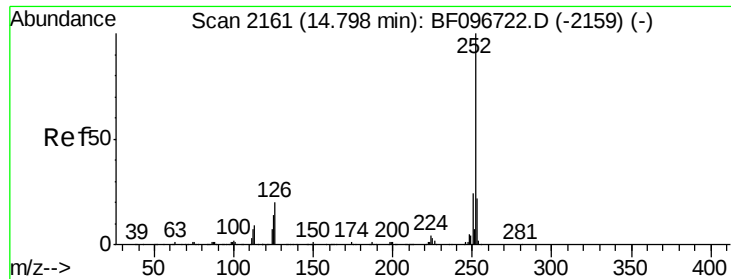
mohammad
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#87
Benzo(b)fluoranthene
Concen: 16.375 ng m
RT: 14.78 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF096753.D
Acq: 14 Jul 2017 3:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	15.8	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 4.078 ng m

RT: 14.80 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BF096753.D

Acq: 14 Jul 2017 3:13

Instrument :

BNA_F

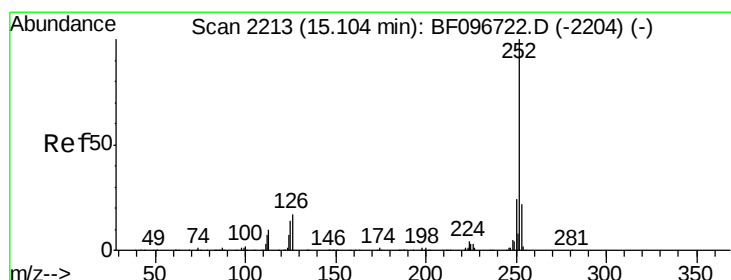
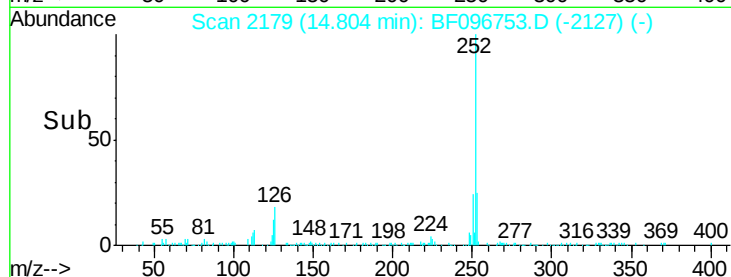
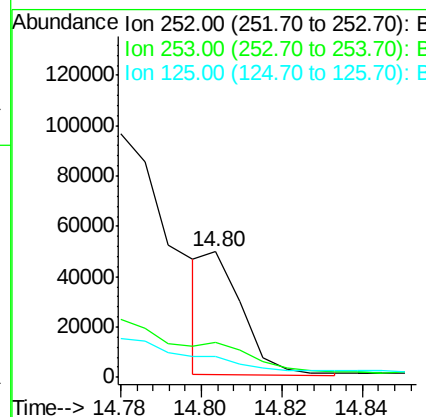
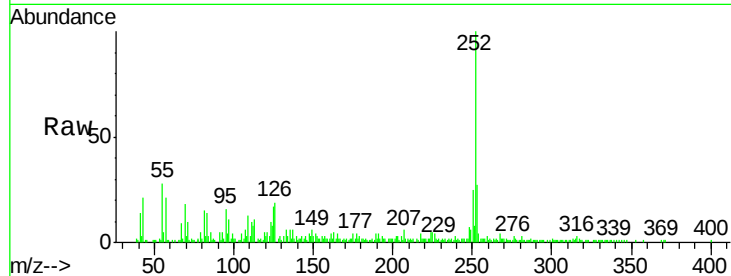
ClientSampleId :

COMP-4-5-6

Tgt Ion:	252	Resp:	31608
Ion Ratio	Lower	Upper	
252	100		
253	27.4	18.4	27.6
125	16.7	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 11.473 ng

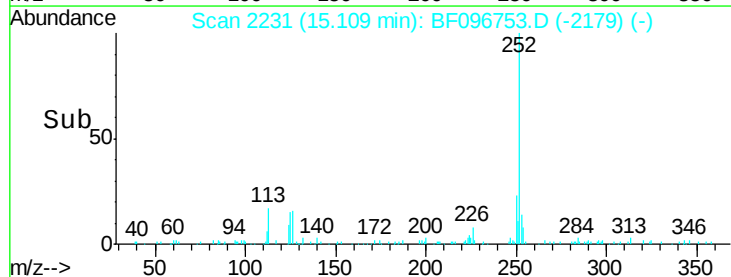
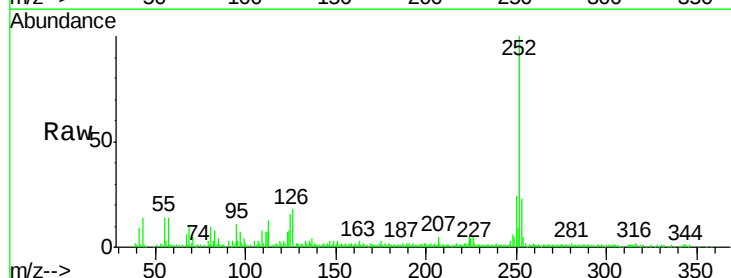
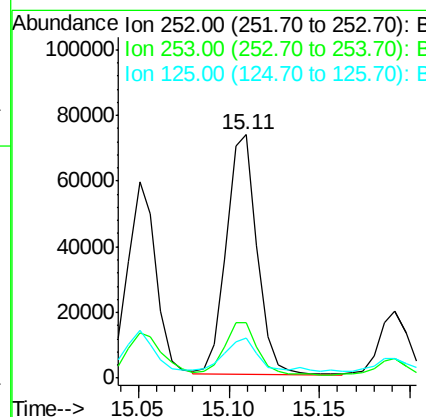
RT: 15.11 min Scan# 2231

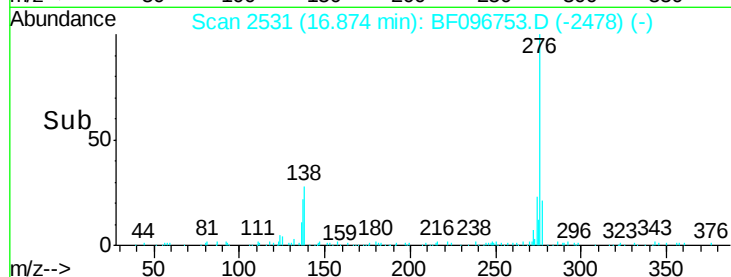
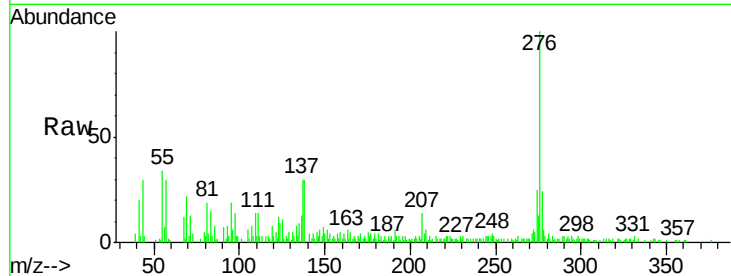
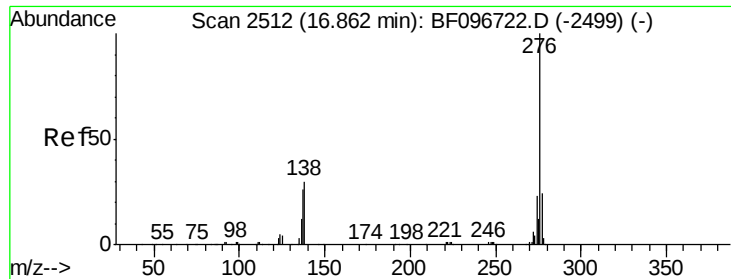
Delta R.T. 0.01 min

Lab File: BF096753.D

Acq: 14 Jul 2017 3:13

Tgt Ion:	252	Resp:	86124
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	16.3	11.0	16.4





#91

Benzo(g,h,i)perylene

Concen: 6.894 ng

RT: 16.87 min Scan# 2531

Delta R.T. 0.01 min

Lab File: BF096753.D

Acq: 14 Jul 2017 3:13

Instrument :

BNA_F

ClientSampleId :

COMP-4-5-6

Tgt Ion:	276	Resp:	50992
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	28.0
138	30.0	25.4	38.0

Manual Integrations
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7/17/2017 8:12:01 AM

