

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
 Data File : BF096769.D
 Acq On : 14 Jul 2017 12:13
 Operator : SJ/JU
 Sample : I4166-01DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3DL

Manual Integrations
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Quant Time: Jul 14 17:57:15 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	6.63	152	104591	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	428529	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	179299	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	258345	20.00	ng	0.00
75) Chrysene-d12	13.77	240	173902	20.00	ng	0.00
86) Perylene-d12	15.16	264	196620	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	132670	19.07	ng	0.00
7) Phenol-d6	6.27	99	171284	20.52	ng	-0.01
23) Nitrobenzene-d5	7.19	82	96131	13.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.45	330	18964	12.39	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	201374	17.74	ng	0.00
78) Terphenyl-d14	12.73	244	118084	11.78	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.53	152	42123	2.335	ng	98
49) Dimethylphthalate	9.39	163	28734	2.128	ng	100
51) Acenaphthene	9.70	154	23175	2.174	ng	97
57) Fluorene	10.21	166	29685	2.690	ng	97
70) Phenanthrene	11.17	178	428112	30.477	ng	99
71) Anthracene	11.22	178	97124	6.838	ng	97
74) Fluoranthene	12.36	202	587772	43.715	ng	99
77) Pyrene	12.58	202	576786	36.546	ng	99
80) Benzo(a)anthracene	13.77	228	299833	27.672	ng	97
82) Chrysene	13.80	228	280637	26.309	ng	97
85) Indeno(1,2,3-cd)pyrene	16.47	276	176480	20.116	ng	96
87) Benzo(b)fluoranthene	14.78	252	344312m	29.035	ng	
88) Benzo(k)fluoranthene	14.80	252	135451m	12.062	ng	
89) Benzo(a)pyrene	15.10	252	262182	24.106	ng	98
90) Dibenzo(a,h)anthracene	16.48	278	41637m	4.160	ng	
91) Benzo(g,h,i)perylene	16.87	276	161552	15.075	ng	97

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

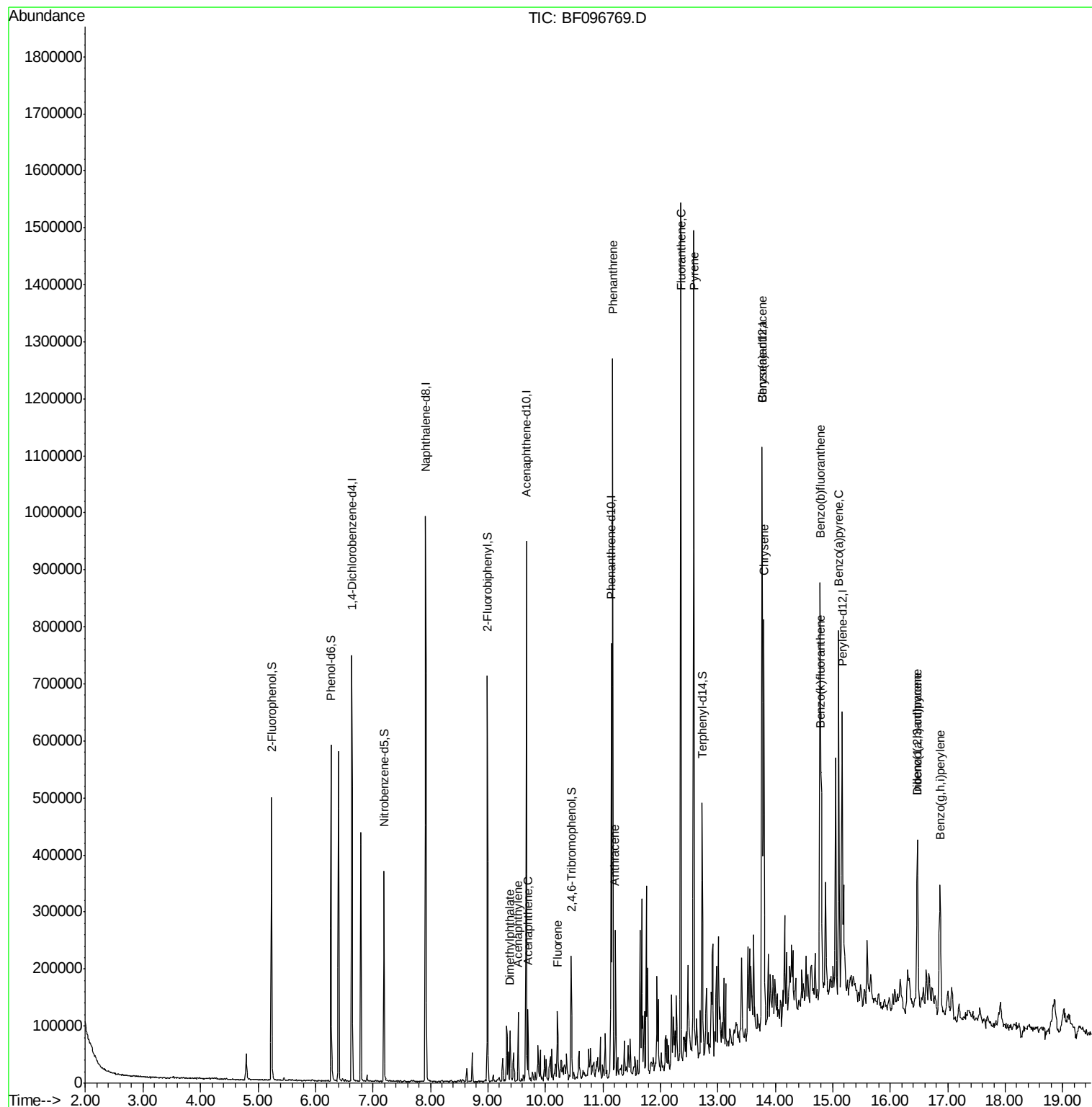
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
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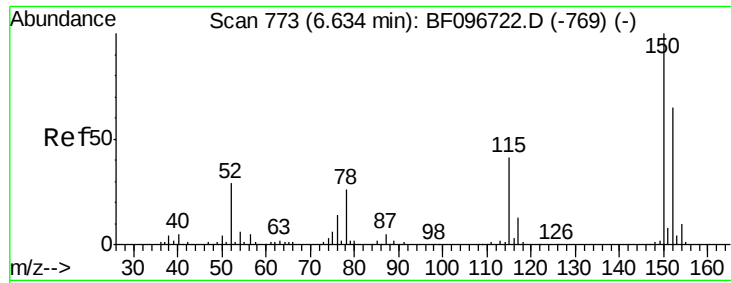
Instrument :
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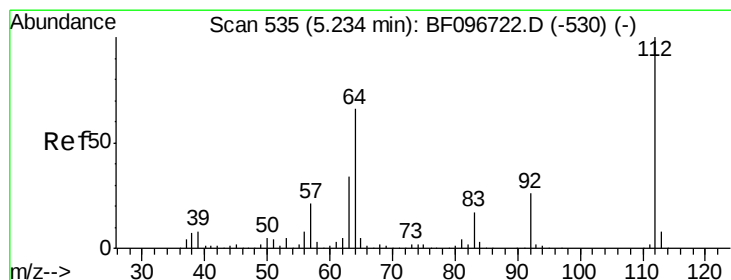
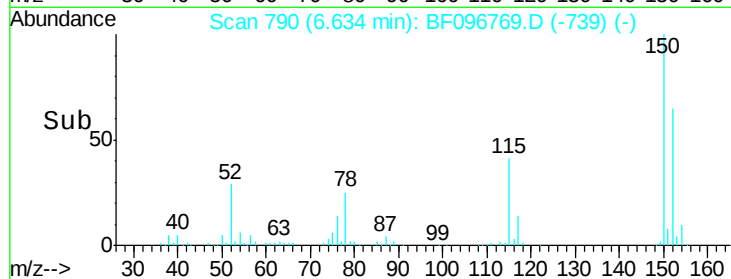
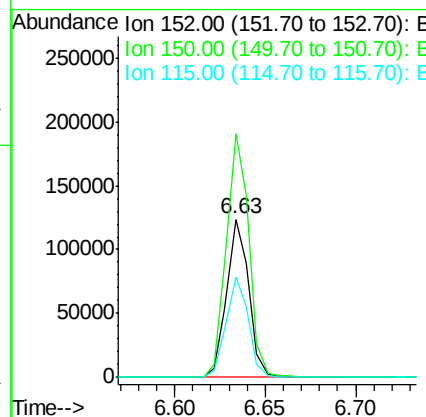
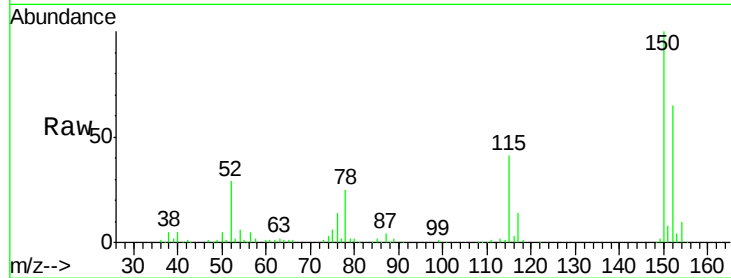
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.63 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF096769.D
 Acq: 14 Jul 2017 12:13

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	104591		
150	154.1	126.2	189.2	
115	63.8	52.2	78.2	

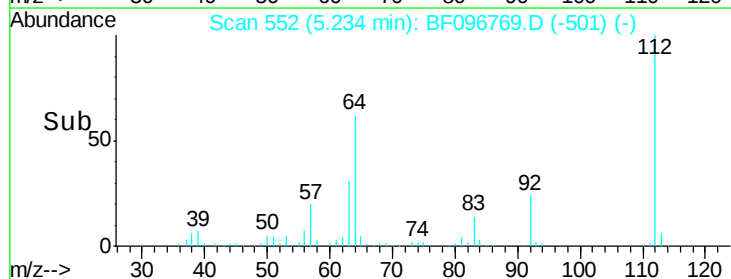
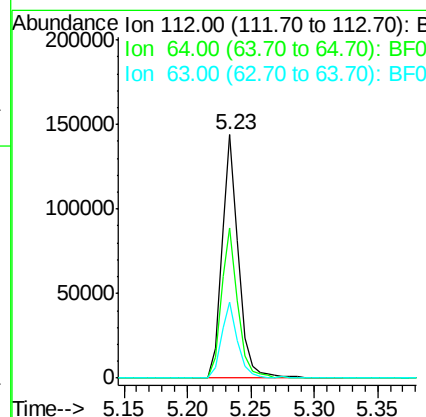
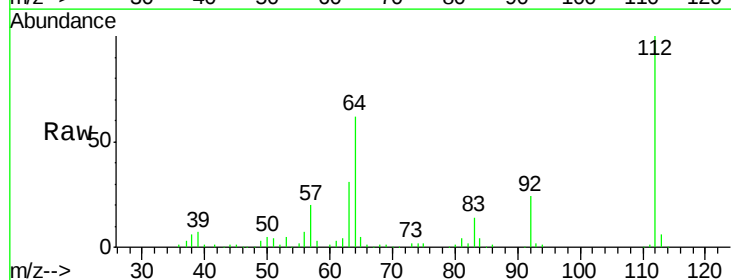
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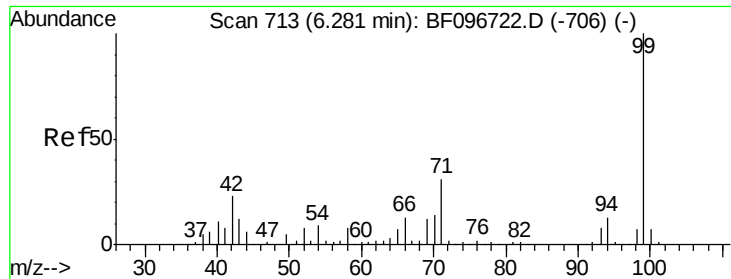
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#5
 2-Fluorophenol
 Concen: 19.072 ng
 RT: 5.23 min Scan# 552
 Delta R.T. 0.00 min
 Lab File: BF096769.D
 Acq: 14 Jul 2017 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	132670		
64	61.7	46.0	69.0	
63	31.1	23.4	35.0	





#7

Phenol-d6

Concen: 20.519 ng

RT: 6.27 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF096769.D

Acq: 14 Jul 2017 12:13

Instrument :

BNA_F

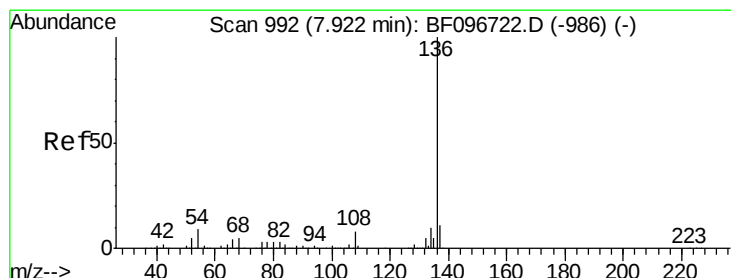
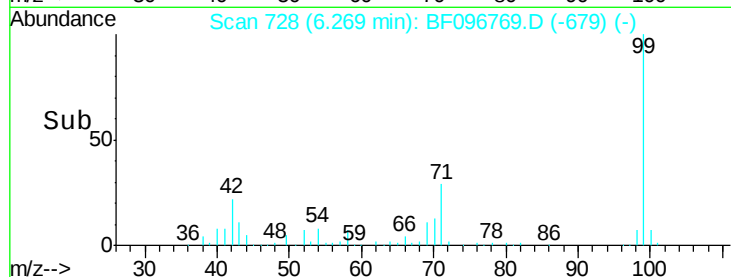
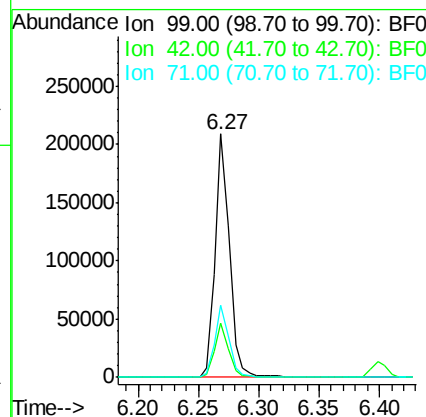
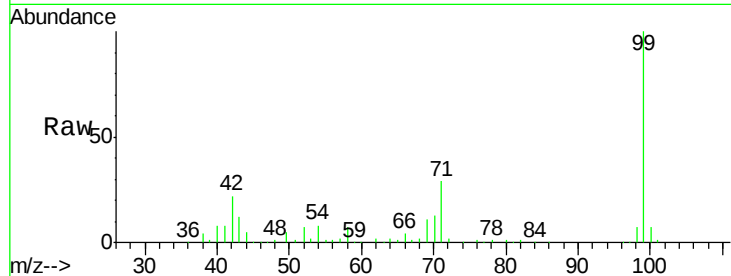
ClientSampleId :

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Tgt Ion:	99	Resp:	171284
Ion Ratio	Lower	Upper	
99	100		
42	22.5	13.5	20.3#
71	29.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

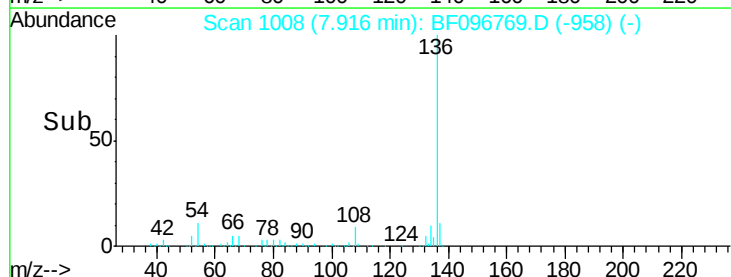
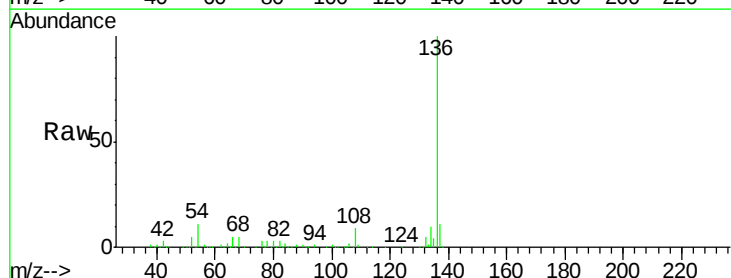
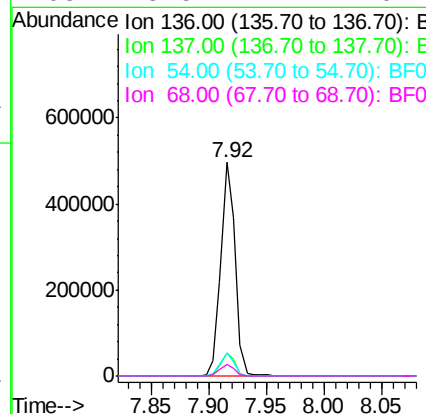
RT: 7.92 min Scan# 1008

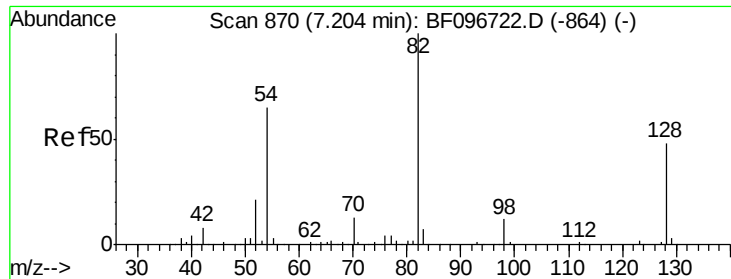
Delta R.T. -0.01 min

Lab File: BF096769.D

Acq: 14 Jul 2017 12:13

Tgt Ion:	136	Resp:	428529
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	10.5	4.9	7.3#
68	5.5	4.1	6.1





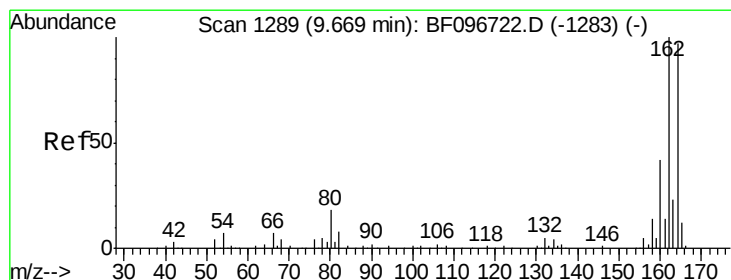
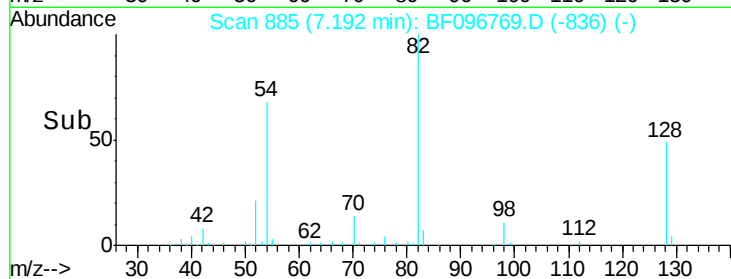
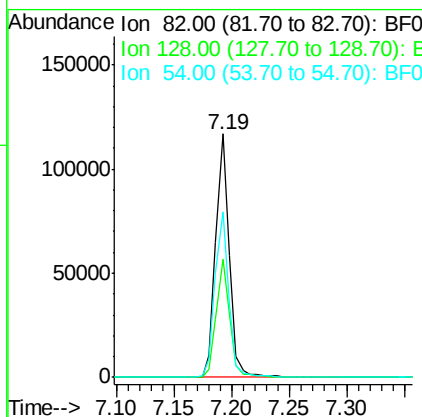
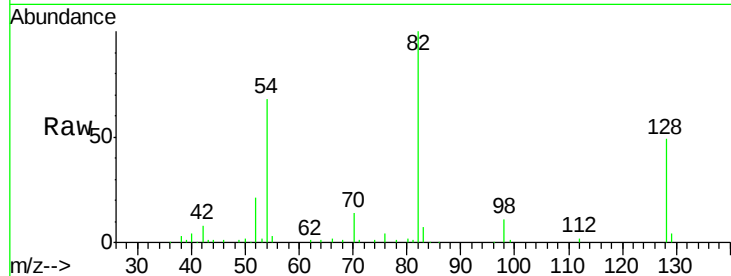
#23
 Nitrobenzene-d5
 Concen: 13.895 ng
 RT: 7.19 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF096769.D
 Acq: 14 Jul 2017 12:13

Instrument :
 BNA_F
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.6	34.0	51.0
54	67.8	42.2	63.2

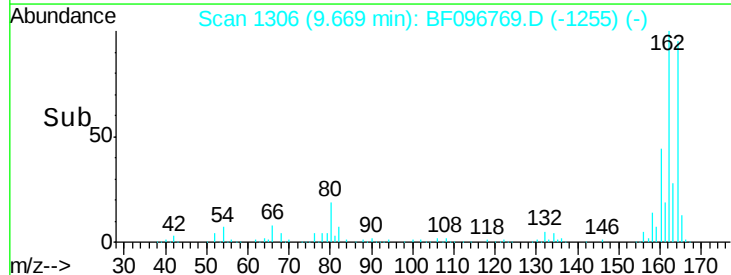
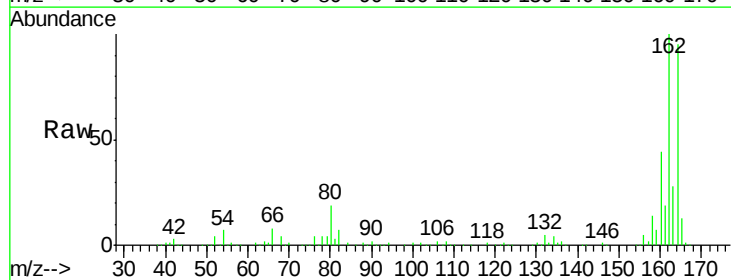
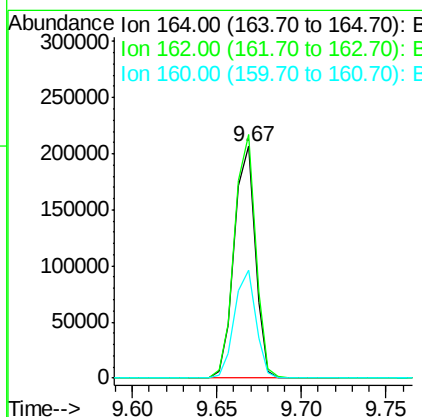
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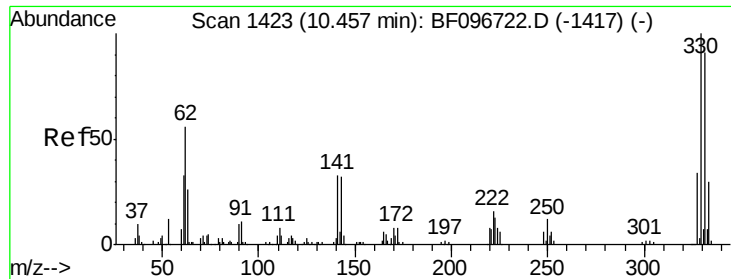
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.67 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF096769.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.6	123.8
160	46.4	36.2	54.2





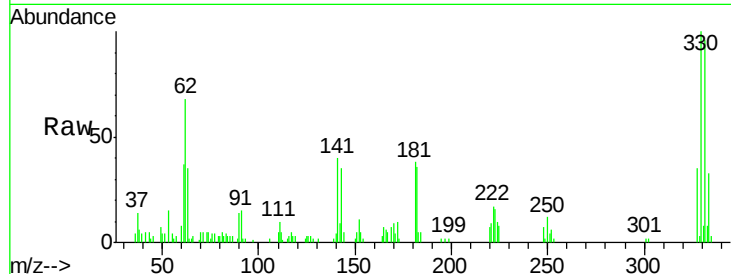
#41
 2,4,6-Tribromophenol
 Concen: 12.391 ng
 RT: 10.45 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF096769.D
 Acq: 14 Jul 2017 12:13

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3DL

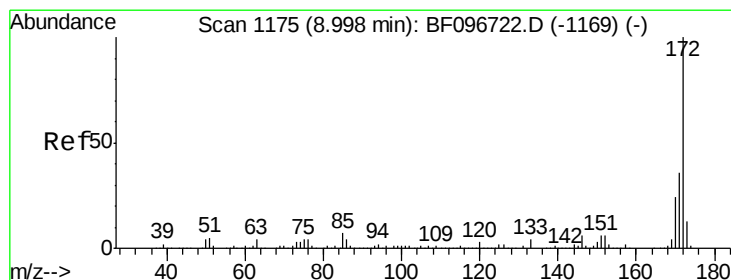
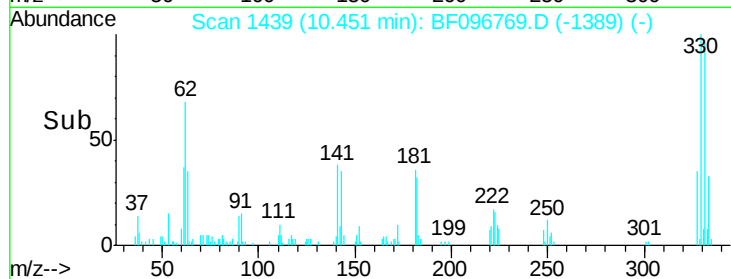
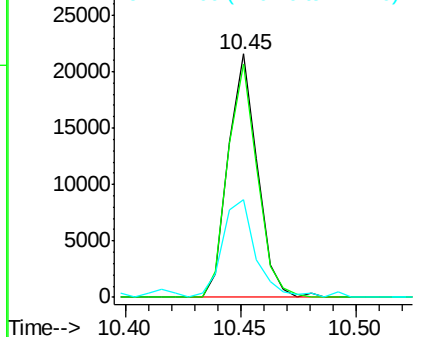
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	46.3	31.4	47.2

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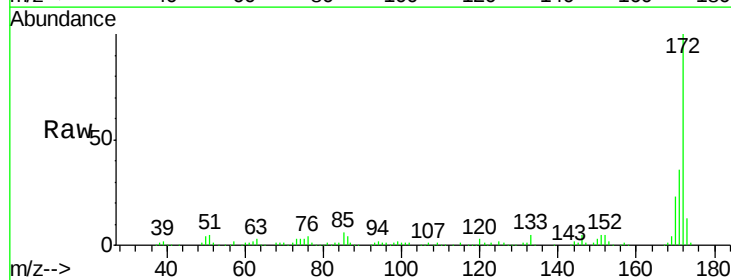


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

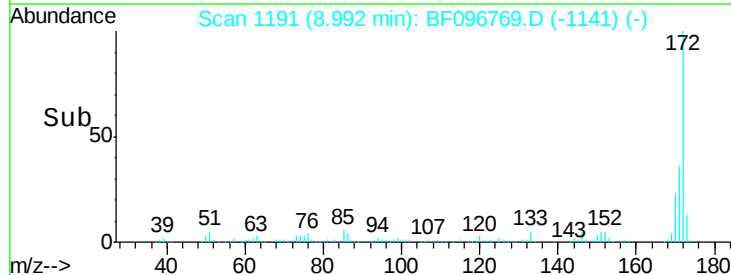
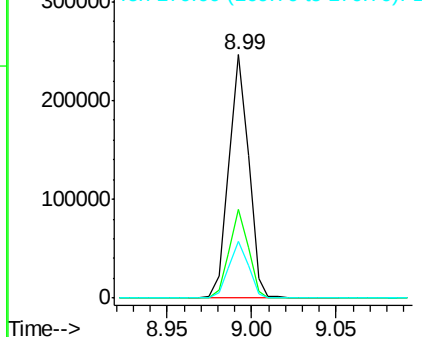


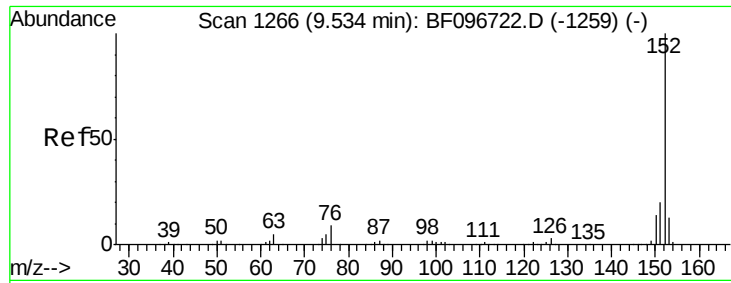
#44
 2-Fluorobiphenyl
 Concen: 17.744 ng
 RT: 8.99 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF096769.D
 Acq: 14 Jul 2017 12:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.1	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: 2.335 ng

RT: 9.53 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF096769.D

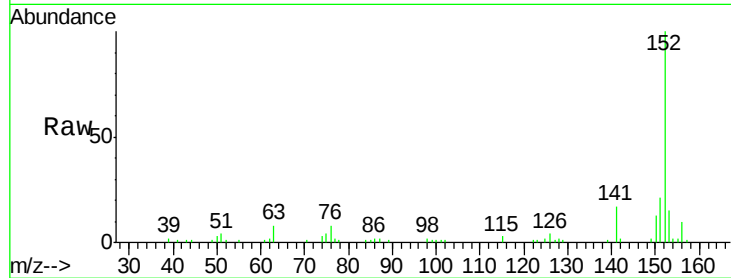
Acq: 14 Jul 2017 12:13

Instrument :

BNA_F

ClientSampleId :

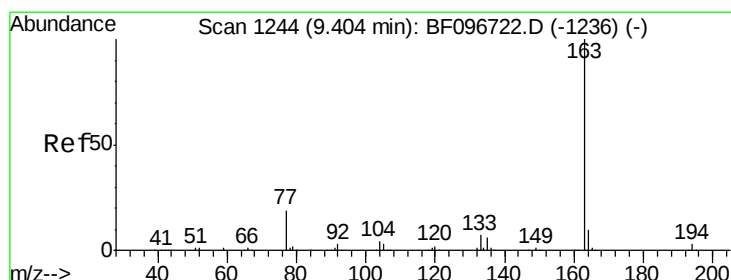
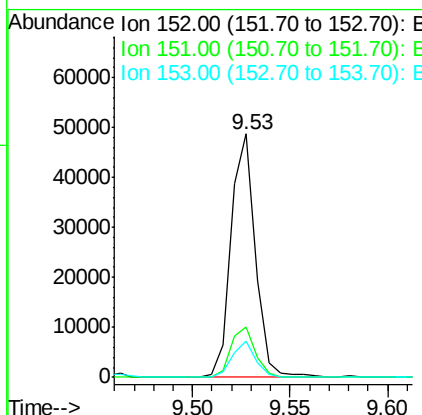
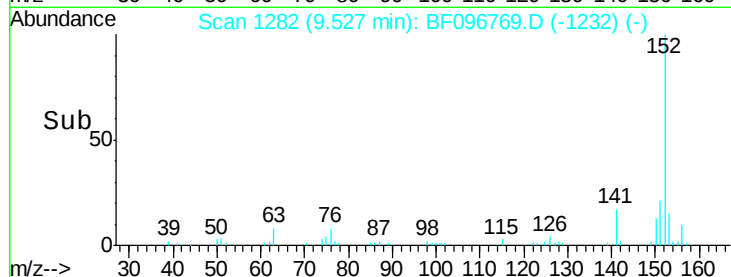
COMP-1-2-3DL



Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	15.1	10.8	16.2

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#49

Dimethylphthalate

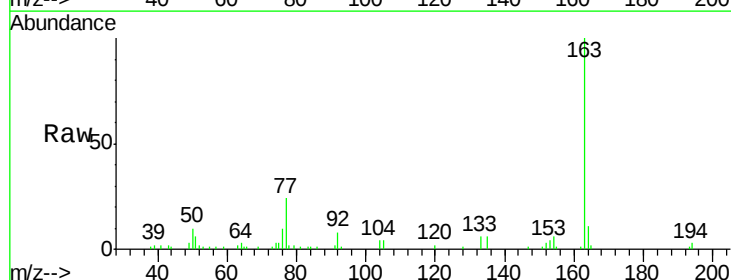
Concen: 2.128 ng

RT: 9.39 min Scan# 1258

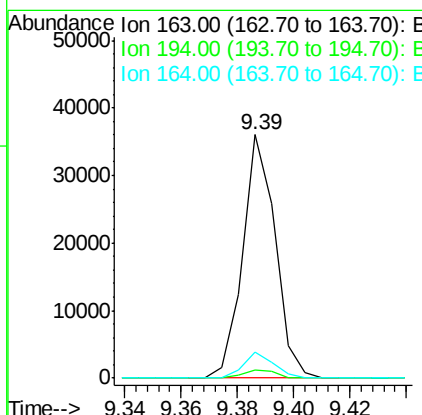
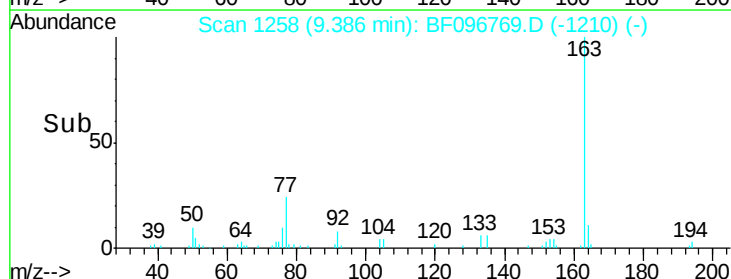
Delta R.T. -0.02 min

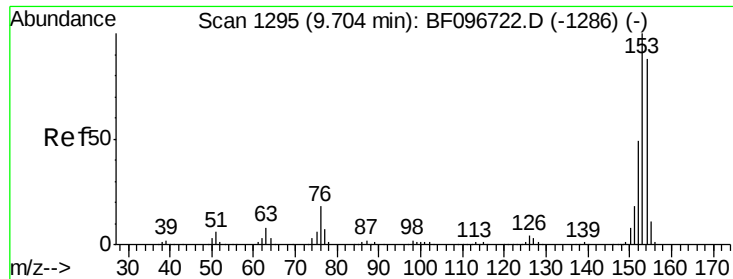
Lab File: BF096769.D

Acq: 14 Jul 2017 12:13



Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.6	8.4	12.6





#51

Acenaphthene

Concen: 2.174 ng

RT: 9.70 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF096769.D

Acq: 14 Jul 2017 12:13

Instrument :

BNA_F

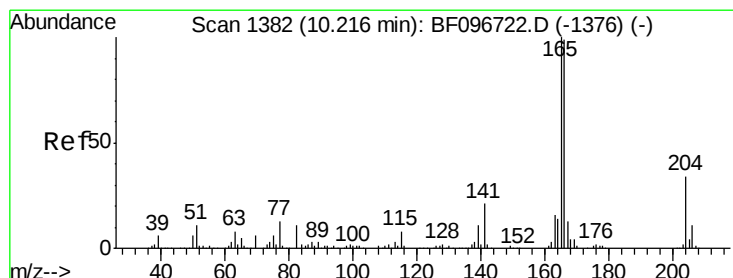
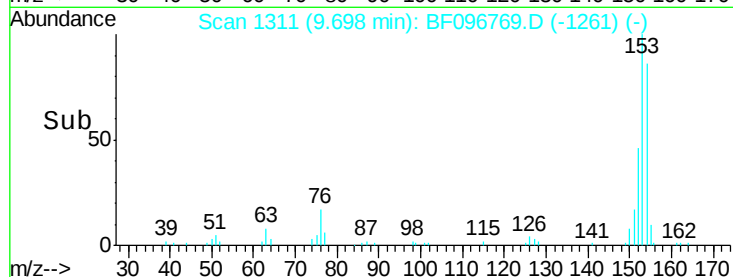
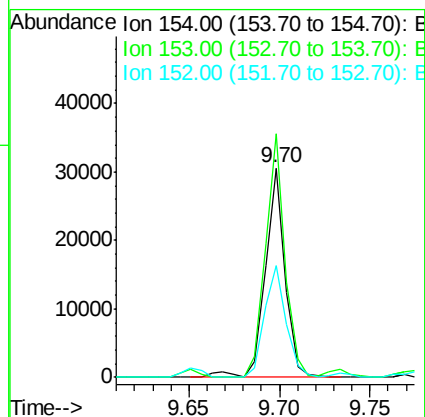
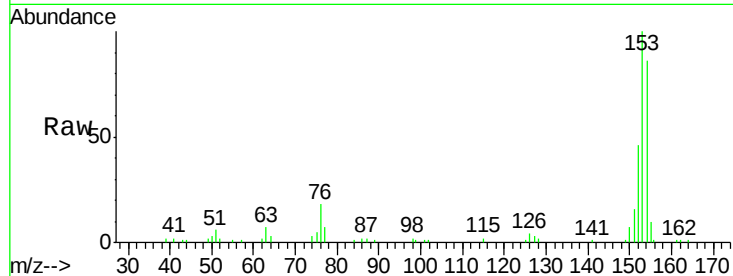
ClientSampleId :

COMP-1-2-3DL

Tgt Ion:	154	Resp:	23175
Ion Ratio	Lower	Upper	
154	100		
153	116.2	90.5	135.7
152	53.2	43.6	65.4

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#57

Fluorene

Concen: 2.690 ng

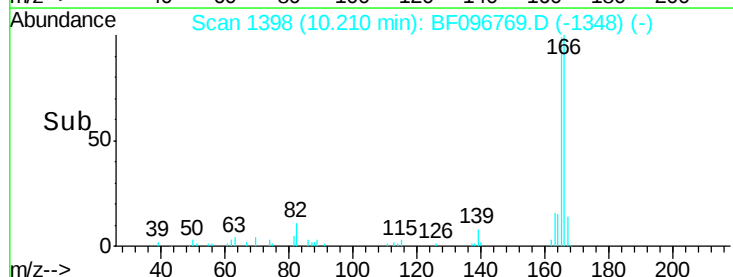
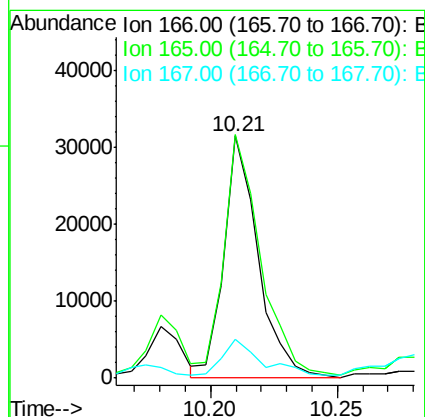
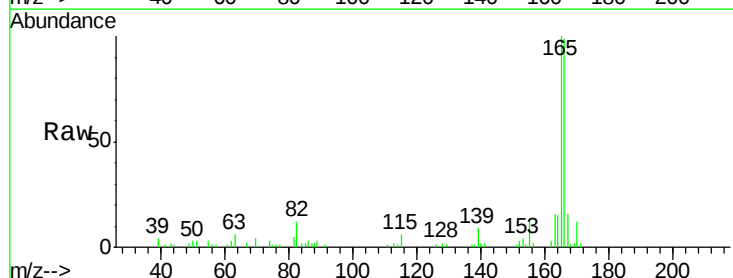
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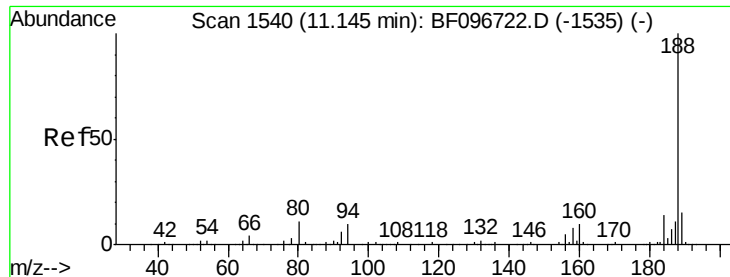
Delta R.T. -0.01 min

Lab File: BF096769.D

Acq: 14 Jul 2017 12:13

Tgt Ion:	166	Resp:	29685
Ion Ratio	Lower	Upper	
166	100		
165	100.5	78.8	118.2
167	15.8	10.6	16.0





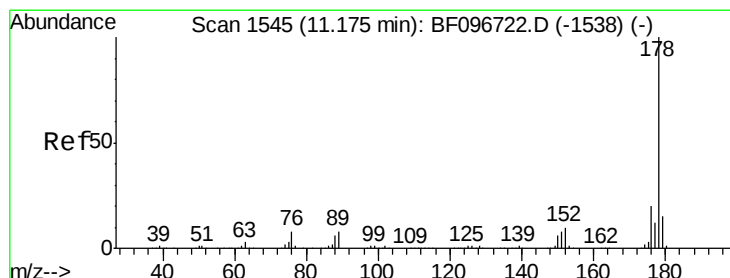
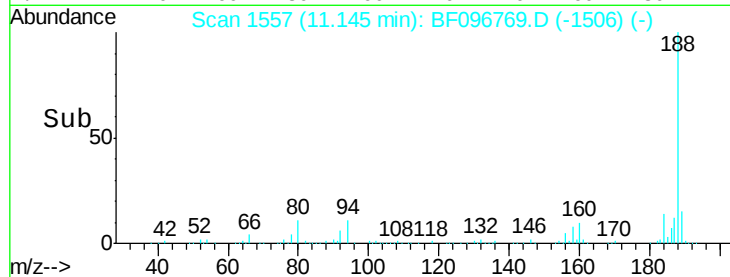
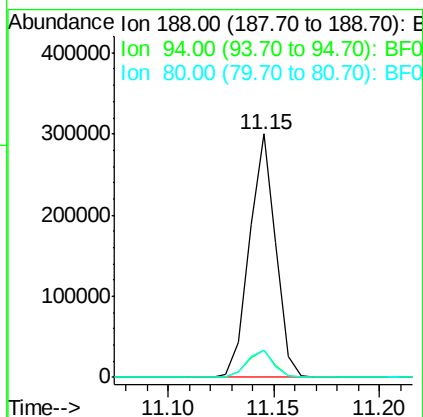
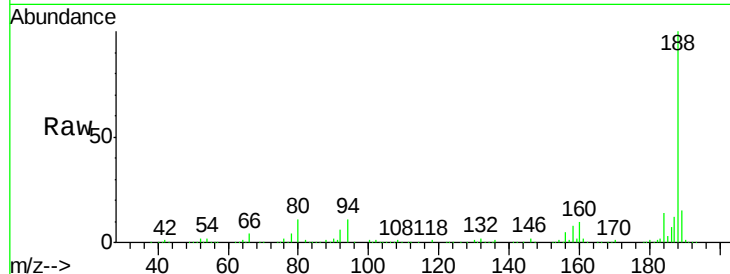
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF096769.D
Acq: 14 Jul 2017 12:13

Instrument :
BNA_F
ClientSampleId :
COMP-1-2-3DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.0	9.4	14.2
80	11.5	10.2	15.2

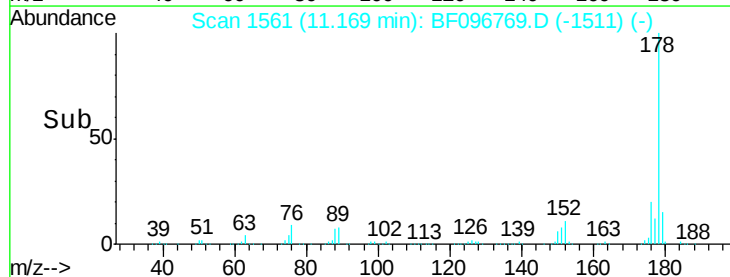
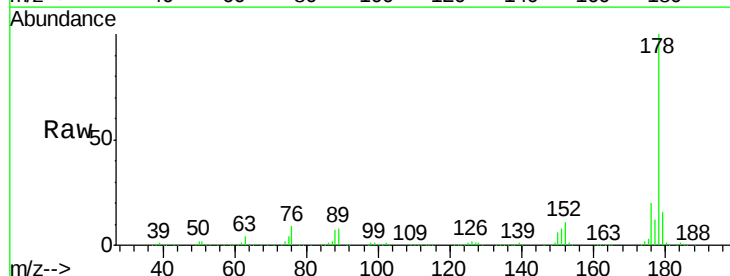
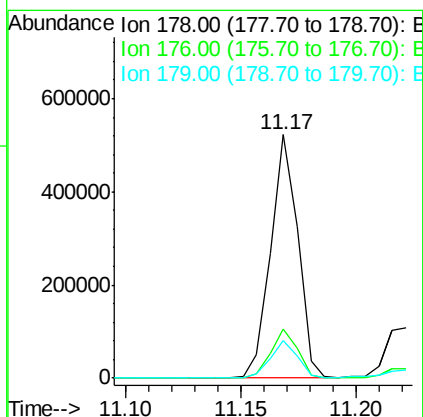
Manual Integrations
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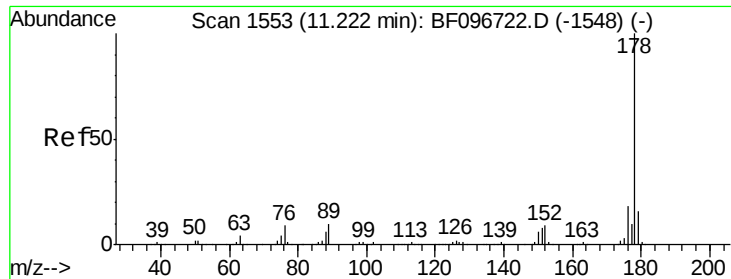
mohammad
7/17/2017 3:55:58 PM



#70
Phenanthrene
Concen: 30.477 ng
RT: 11.17 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096769.D
Acq: 14 Jul 2017 12:13

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.1	16.2	24.4
179	15.5	12.6	19.0





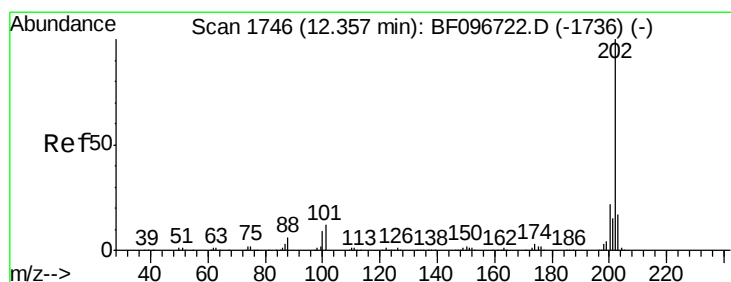
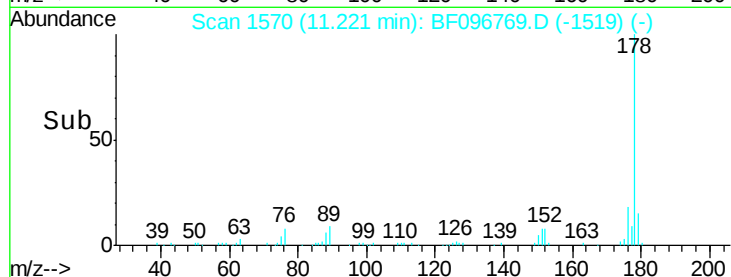
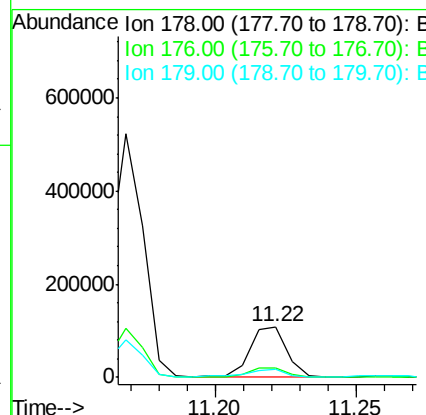
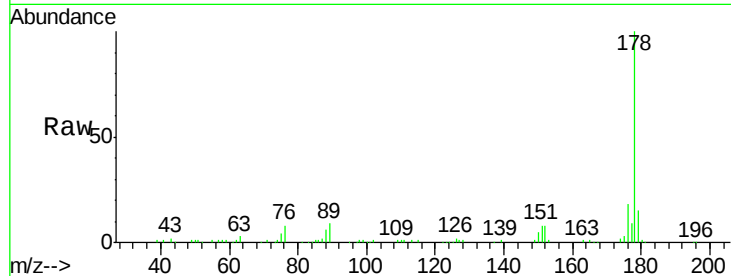
#71
 Anthracene
 Concen: 6.838 ng
 RT: 11.22 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF096769.D
 Acq: 14 Jul 2017 12:13

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.4	12.7	19.1

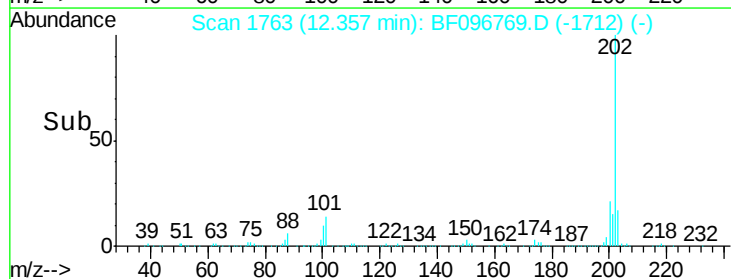
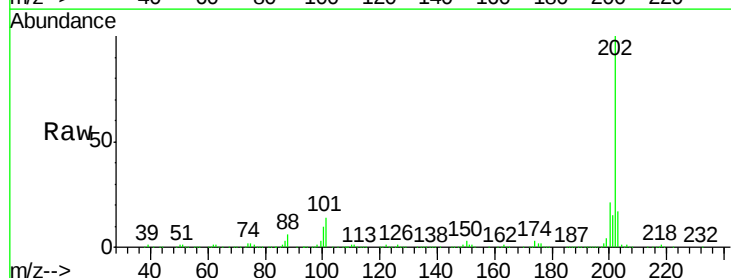
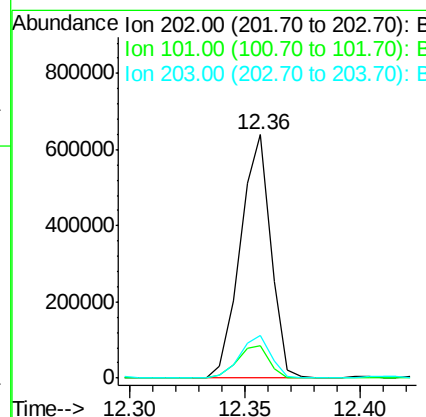
Manual Integrations
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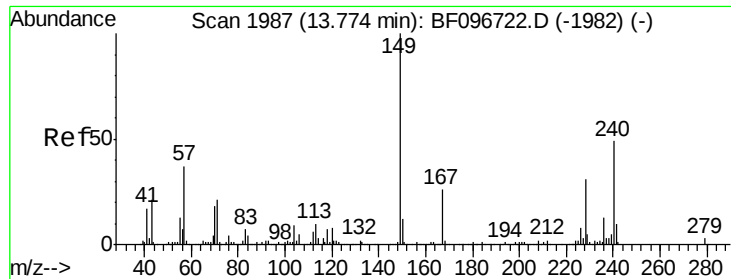
mohammad
 7/17/2017 3:55:58 PM



#74
 Fluoranthene
 Concen: 43.715 ng
 RT: 12.36 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: BF096769.D
 Acq: 14 Jul 2017 12:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.77 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF096769.D

Acq: 14 Jul 2017 12:13

Instrument :

BNA_F

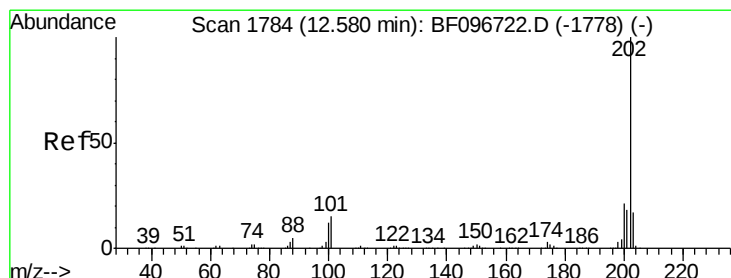
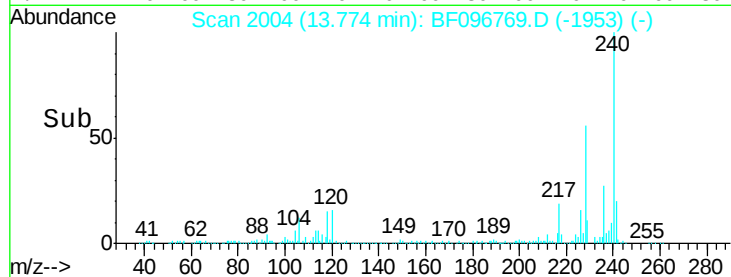
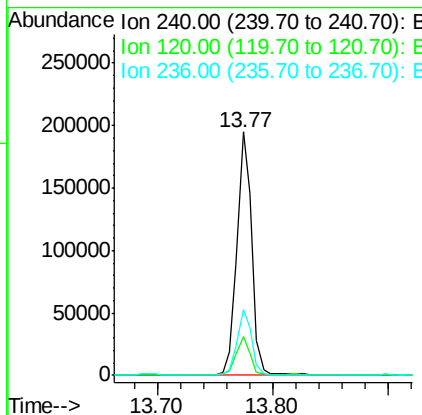
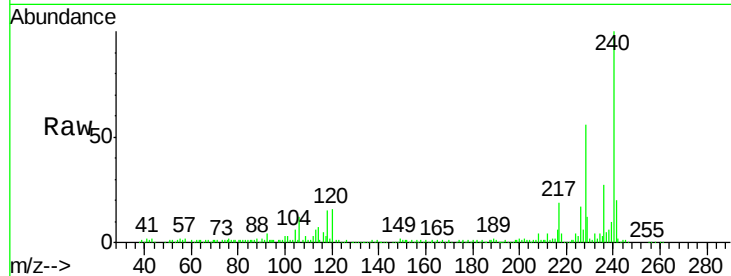
ClientSampleId :

COMP-1-2-3DL

Tgt Ion:240 Resp: 173902
 Ion Ratio Lower Upper
 240 100
 120 16.2 5.8 8.8#
 236 27.2 20.5 30.7

Manual Integrations
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#77

Pyrene

Concen: 36.546 ng

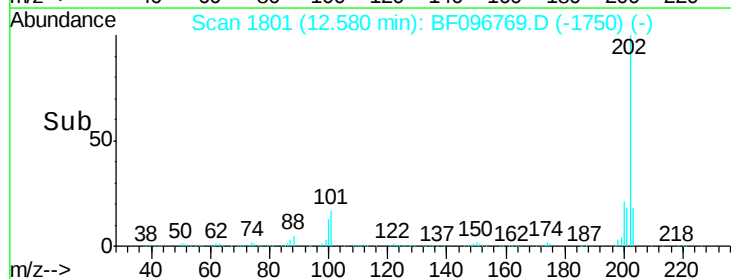
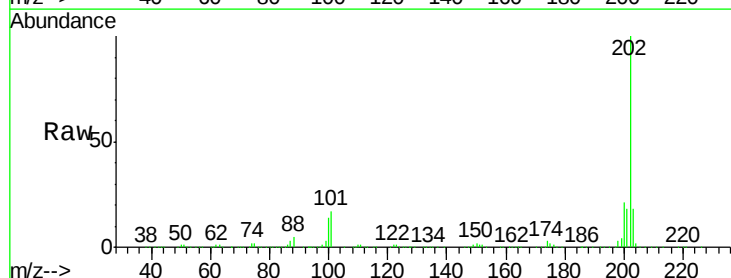
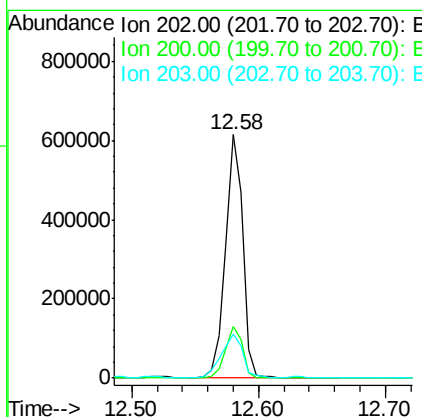
RT: 12.58 min Scan# 1801

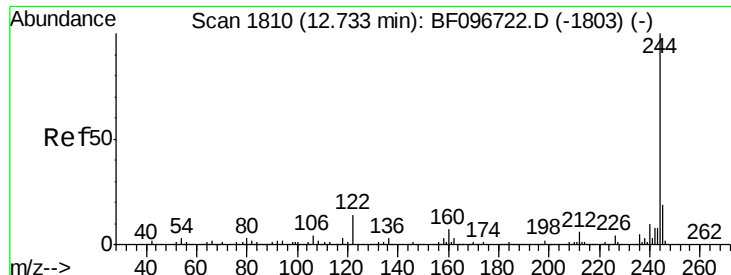
Delta R.T. -0.00 min

Lab File: BF096769.D

Acq: 14 Jul 2017 12:13

Tgt Ion:202 Resp: 576786
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.6 26.4
 203 17.8 14.4 21.6





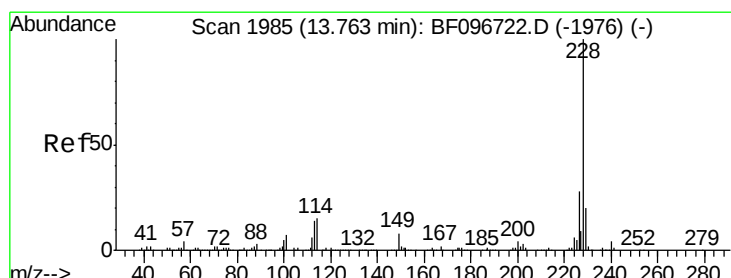
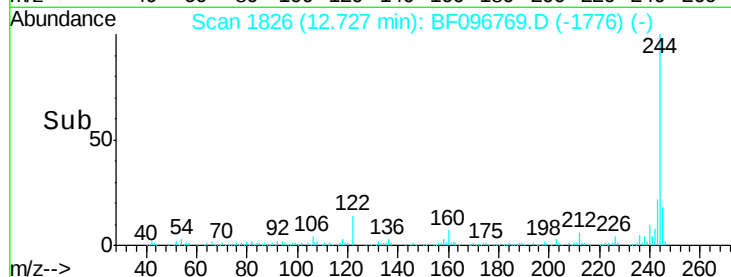
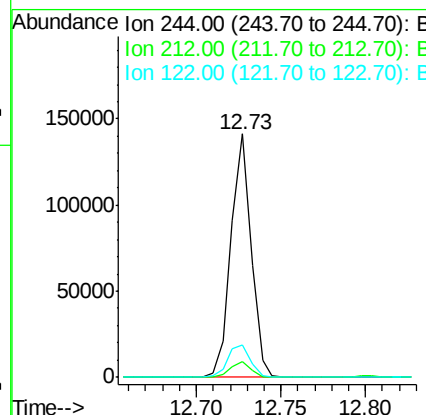
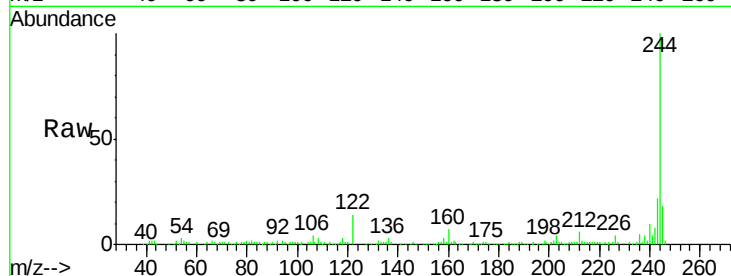
#78
 Terphenyl-d14
 Concen: 11.776 ng
 RT: 12.73 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF096769.D
 Acq: 14 Jul 2017 12:13

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1-2-3DL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	13.5	10.3	15.5

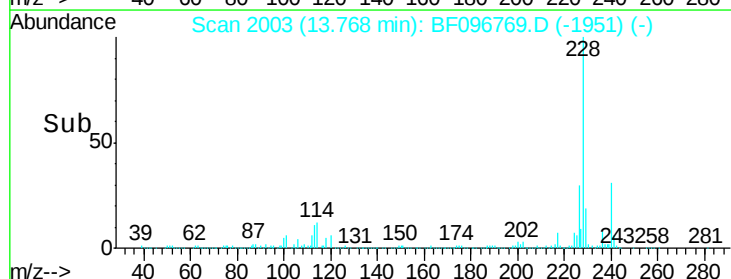
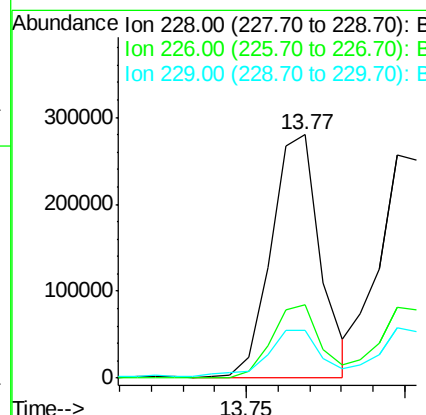
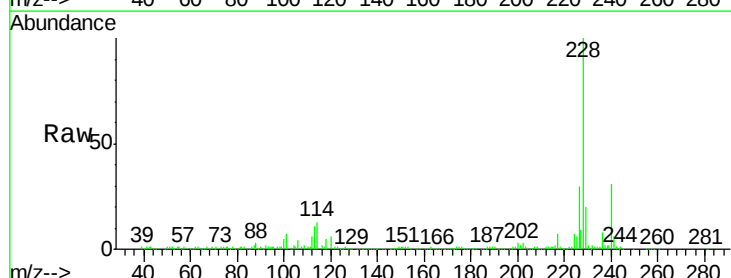
Manual Integrations
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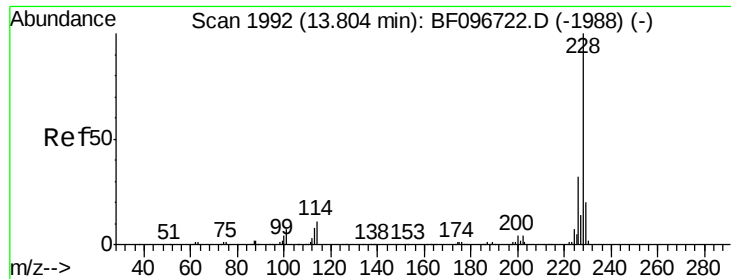
mohammad
 7/17/2017 3:55:58 PM



#80
 Benzo(a)anthracene
 Concen: 27.672 ng
 RT: 13.77 min Scan# 2003
 Delta R.T. 0.01 min
 Lab File: BF096769.D
 Acq: 14 Jul 2017 12:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.6	33.8
229	19.5	16.3	24.5





#82

Chrysene

Concen: 26.309 ng

RT: 13.80 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF096769.D

Acq: 14 Jul 2017 12:13

Instrument :

BNA_F

ClientSampleId :

COMP-1-2-3DL

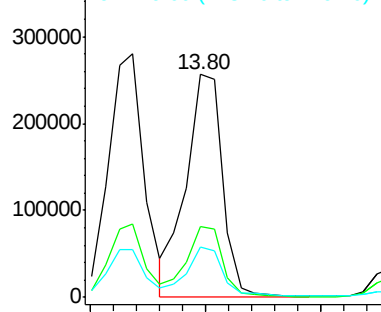
Tgt Ion:	228	Resp:	280637
Ion Ratio		Lower	Upper
228	100		
226	31.9	24.9	37.3
229	22.6	15.8	23.6

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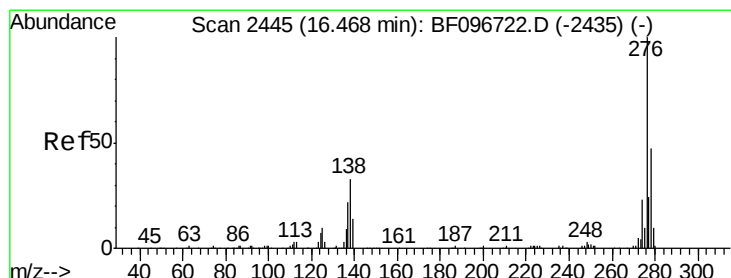
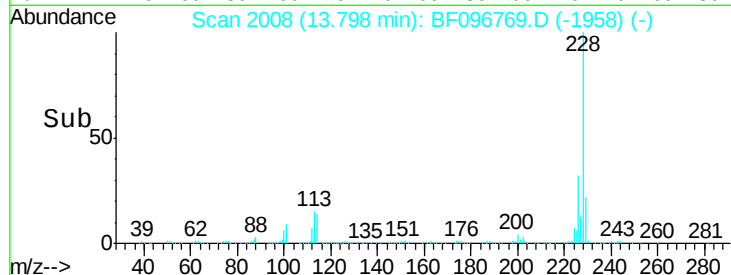
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 13.75 13.80 13.85



#85

Indeno(1,2,3-cd)pyrene

Concen: 20.116 ng

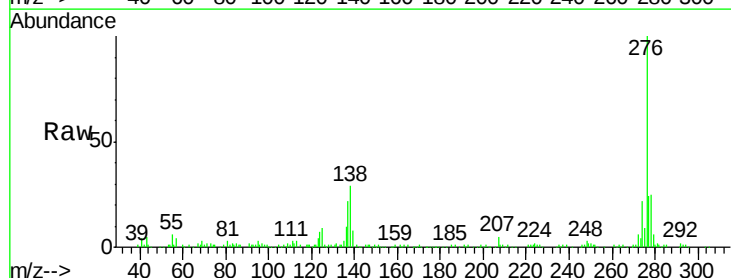
RT: 16.47 min Scan# 2463

Delta R.T. 0.01 min

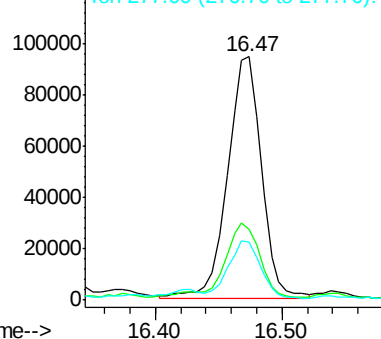
Lab File: BF096769.D

Acq: 14 Jul 2017 12:13

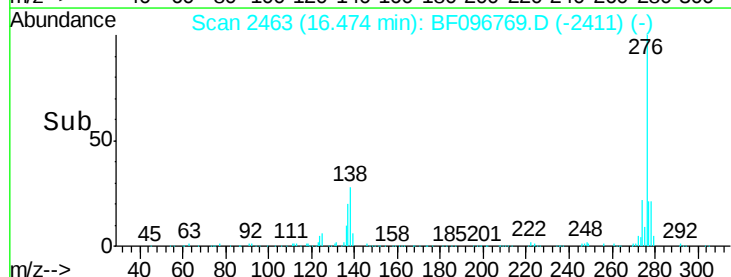
Tgt Ion:	276	Resp:	176480
Ion Ratio		Lower	Upper
276	100		
138	32.9	27.8	41.6
277	23.1	20.2	30.4

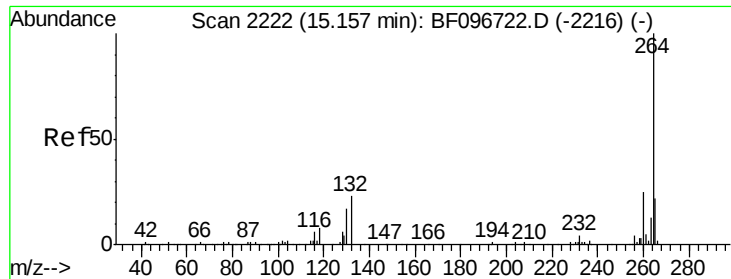


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time--> 16.40 16.50





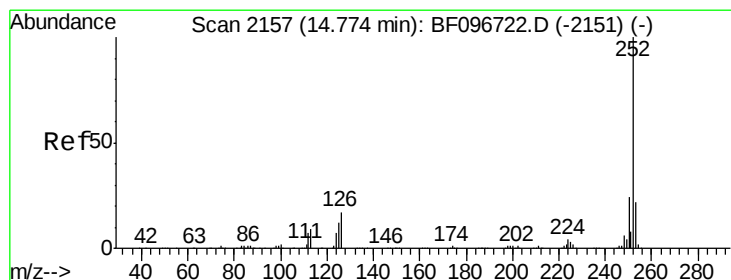
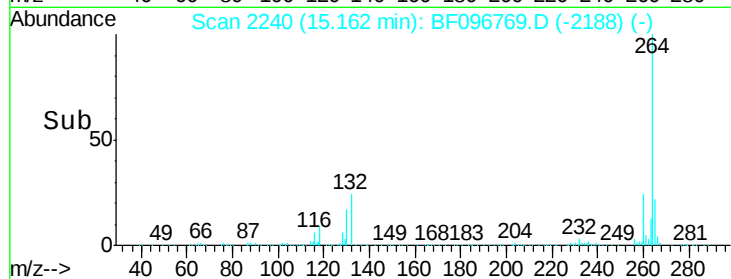
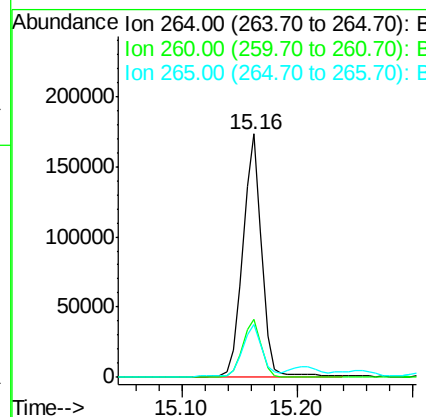
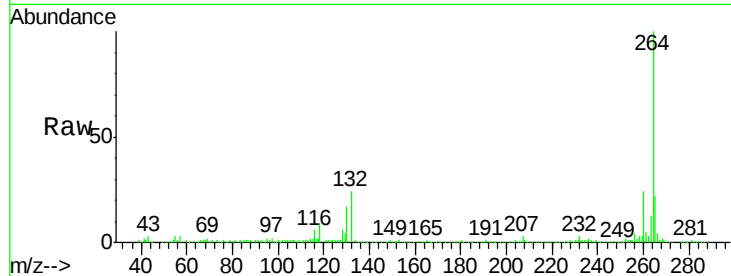
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.16 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF096769.D
Acq: 14 Jul 2017 12:13

Instrument :
BNA_F
ClientSampleId :
COMP-1-2-3DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	196620		
260	23.9	19.5	29.3	
265	21.9	17.2	25.8	

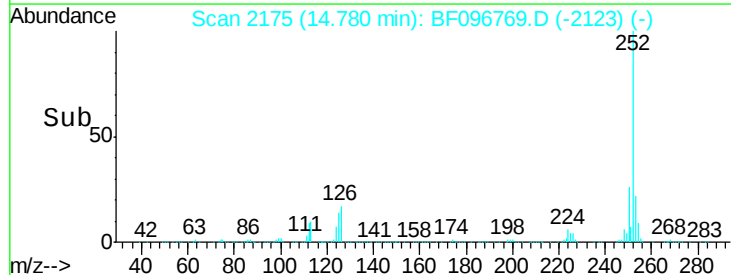
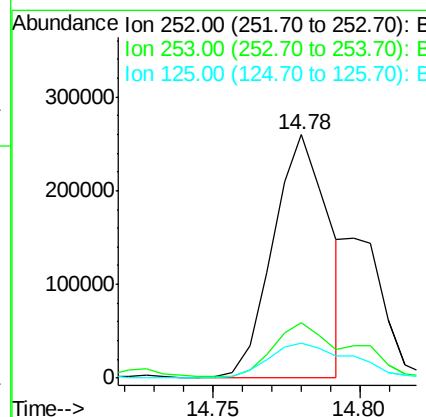
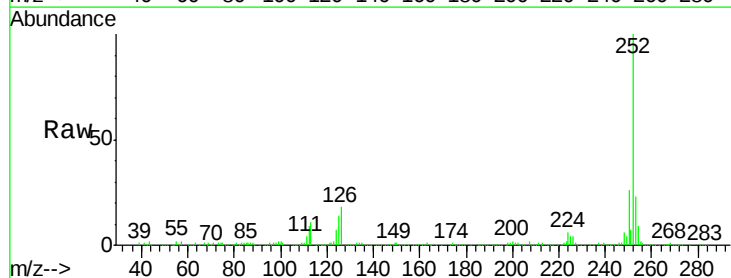
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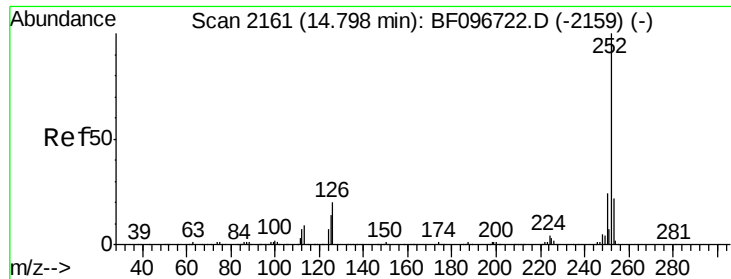
mohammad
7/17/2017 3:55:58 PM



#87
Benzo(b)fluoranthene
Concen: 29.035 ng m
RT: 14.78 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF096769.D
Acq: 14 Jul 2017 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	344312		
253	22.8	18.1	27.1	
125	14.2	9.8	14.8	





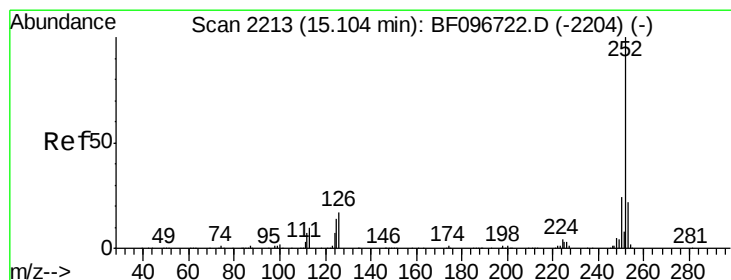
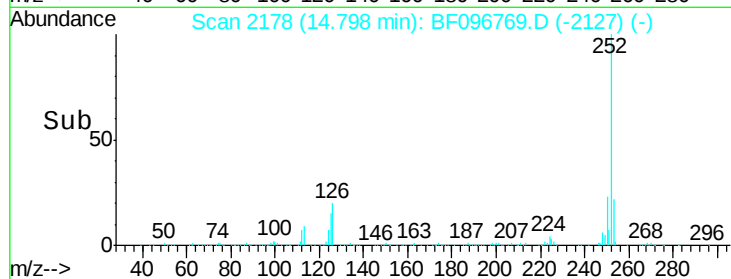
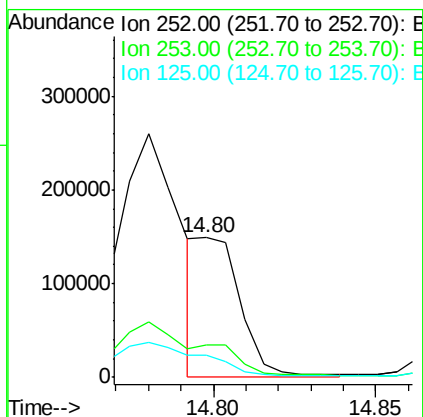
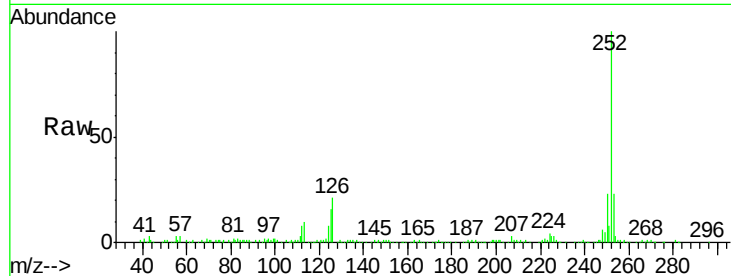
#88
Benzo(k)fluoranthene
Concen: 12.062 ng m
RT: 14.80 min Scan# 2178
Delta R.T. -0.00 min
Lab File: BF096769.D
Acq: 14 Jul 2017 12:13

Instrument :
BNA_F
ClientSampleId :
COMP-1-2-3DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	16.2	13.1	19.7

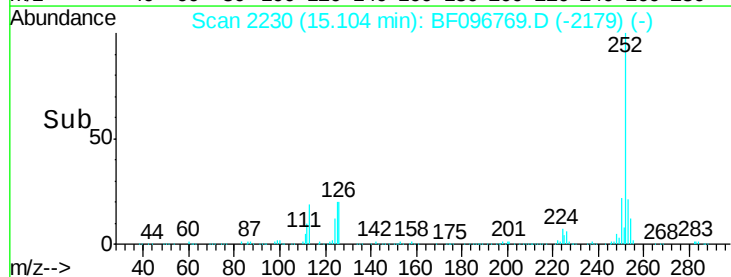
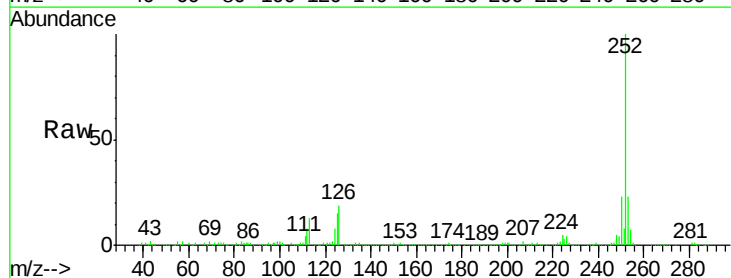
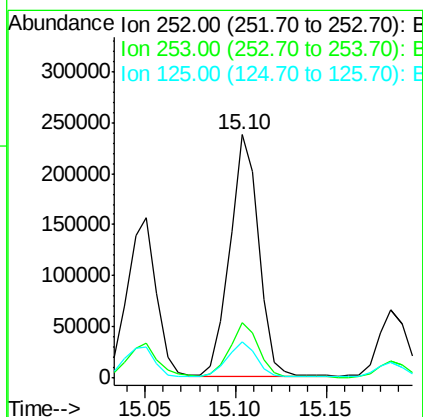
Manual Integrations
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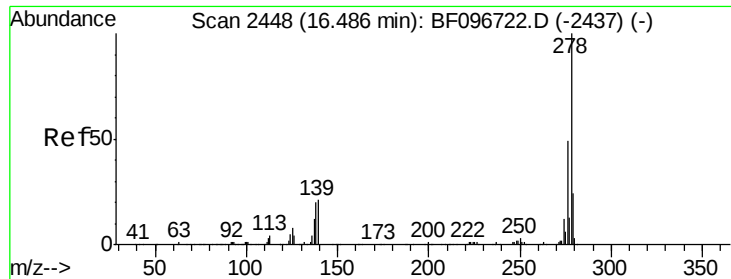
mohammad
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#89
Benzo(a)pyrene
Concen: 24.106 ng
RT: 15.10 min Scan# 2230
Delta R.T. -0.00 min
Lab File: BF096769.D
Acq: 14 Jul 2017 12:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	15.0	11.0	16.4





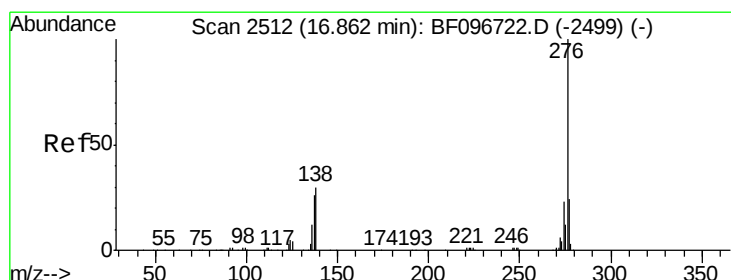
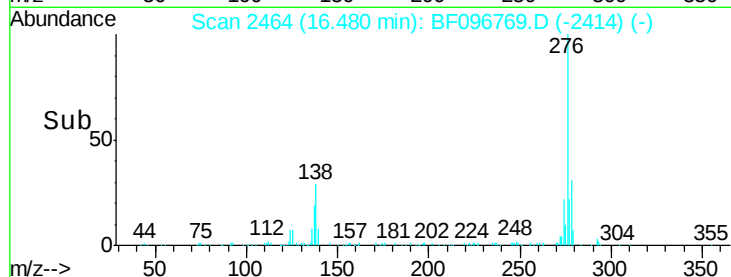
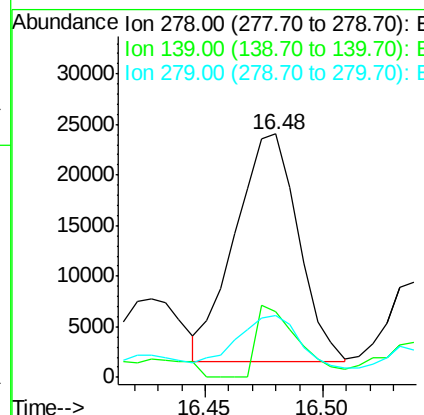
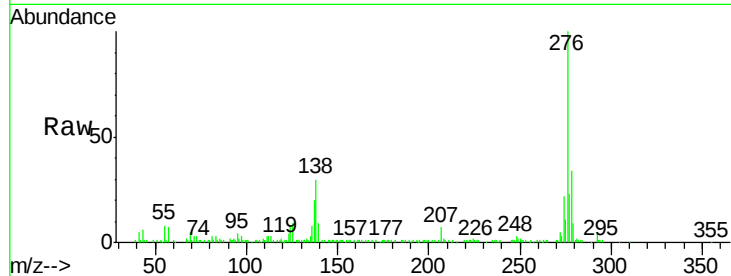
#90
Dibenzo(a,h)anthracene
Concen: 4.160 ng m
RT: 16.48 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BF096769.D
Acq: 14 Jul 2017 12:13

Instrument :
BNA_F
ClientSampleId :
COMP-1-2-3DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.2	16.6	24.8#
279	25.5	19.3	28.9

Manual Integrations
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7/17/2017 3:55:58 PM



#91
Benzo(g,h,i)perylene
Concen: 15.075 ng
RT: 16.87 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF096769.D
Acq: 14 Jul 2017 12:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.0	18.6	28.0
138	29.8	25.4	38.0

