

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096901.D
 Acq On : 20 Jul 2017 12:03
 Operator : SJ/JU
 Sample : I4276-01DL 2X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP-(0-8)DL

Manual Integrations
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Quant Time: Jul 20 16:49:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	114033	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	405644	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	156924	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	249507	20.00	ng	0.00
75) Chrysene-d12	13.73	240	161779	20.00	ng	0.00
86) Perylene-d12	15.10	264	125436	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	365609	48.21	ng	-0.01
7) Phenol-d6	6.23	99	437686	48.09	ng	-0.02
23) Nitrobenzene-d5	7.15	82	248179	37.90	ng	-0.02
41) 2,4,6-Tribromophenol	10.40	330	68553	51.18	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	364980	36.75	ng	-0.02
78) Terphenyl-d14	12.68	244	198240	21.25	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.25	94	22777	2.214	ng	98
31) Naphthalene	7.89	128	292911	15.243	ng	100
37) 2-Methylnaphthalene	8.59	142	49412	4.033	ng	98
49) Dimethylphthalate	9.35	163	53252	4.507	ng	98
51) Acenaphthene	9.65	154	102801	11.021	ng	99
54) Dibenzofuran	9.82	168	104910	8.026	ng	98
57) Fluorene	10.16	166	105563	10.929	ng	100
70) Phenanthrene	11.13	178	891615	65.722	ng	99
71) Anthracene	11.17	178	264273	19.266	ng	97
72) Carbazole	11.33	167	174579	13.143	ng	98
74) Fluoranthene	12.31	202	838049	64.537	ng	99
77) Pylene	12.53	202	700125	47.685	ng	98
80) Benzo(a)anthracene	13.72	228	319346	31.681	ng	100
82) Chrysene	13.76	228	279585	28.174	ng	97
85) Indeno(1,2,3-cd)pyrene	16.39	276	120692	15.755	ng	97
87) Benzo(b)fluoranthene	14.73	252	321745m	42.530	ng	
88) Benzo(k)fluoranthene	14.75	252	78904m	11.014	ng	
89) Benzo(a)pyrene	15.05	252	196908	28.378	ng	98
90) Dibenzo(a,h)anthracene	16.39	278	29467m	4.615	ng	
91) Benzo(a,h,i)perylene	16.77	276	102927	15.055	ng	98

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

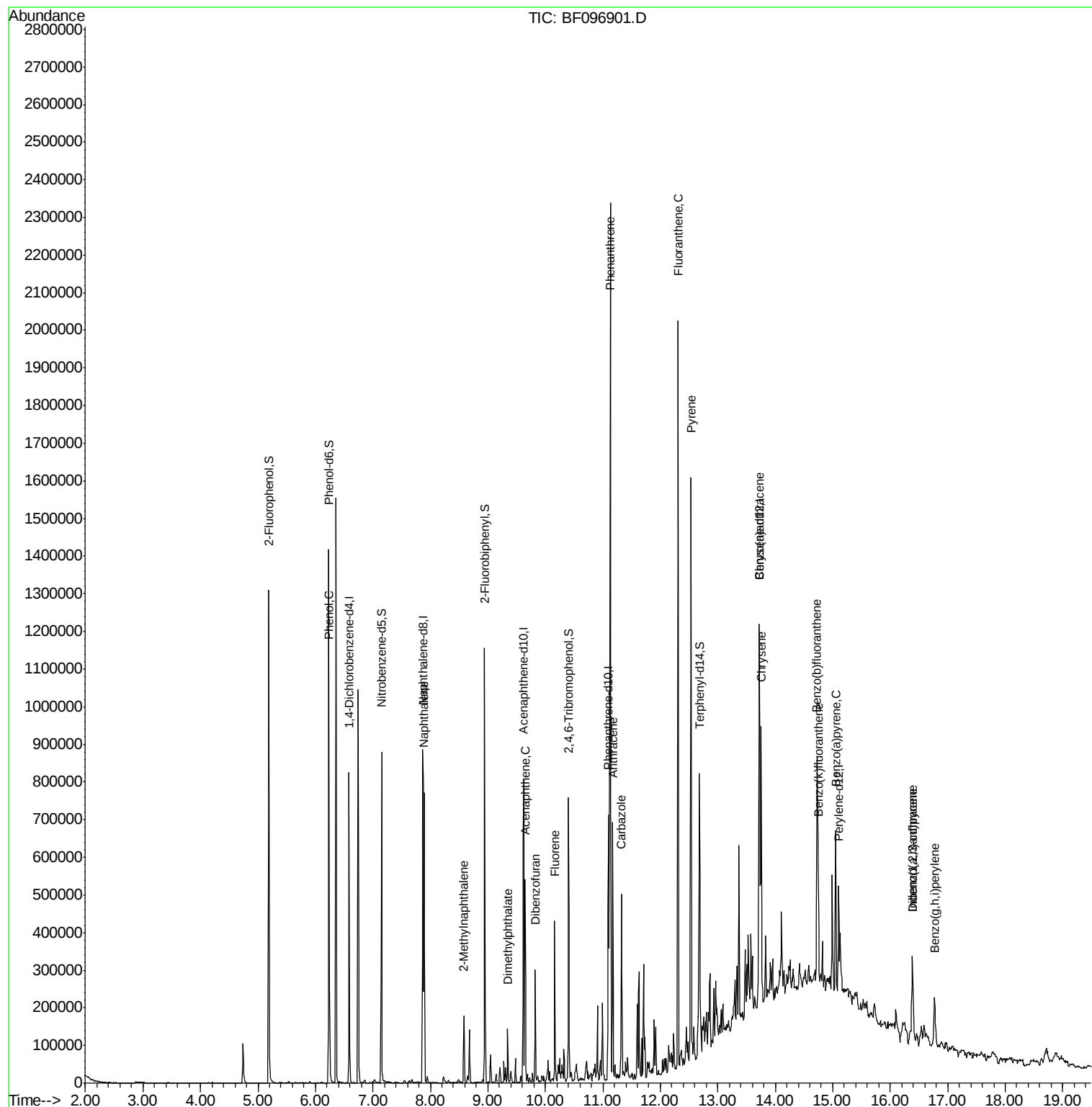
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096901.D
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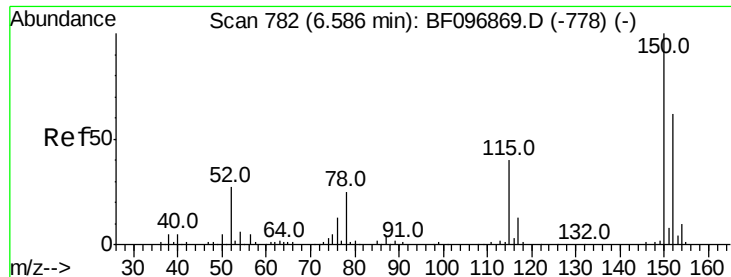
Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)DL

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Quant Time: Jul 20 16:49:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration





#1

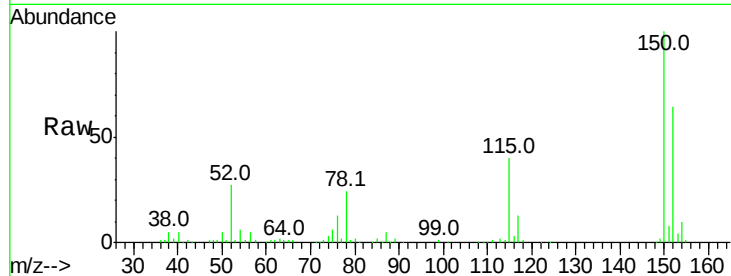
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.2	189.2
115	62.3	52.2	78.2

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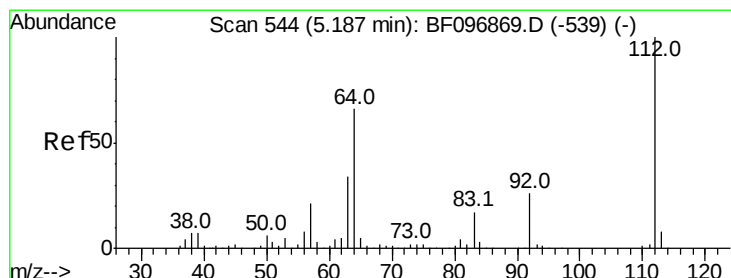
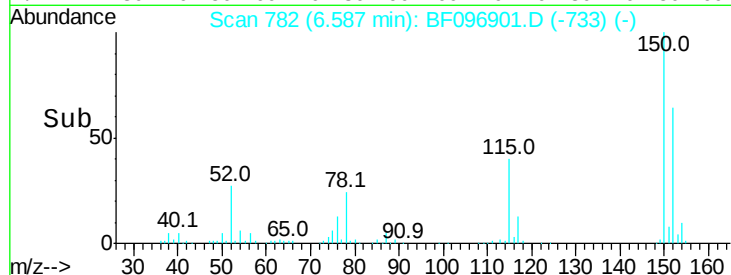
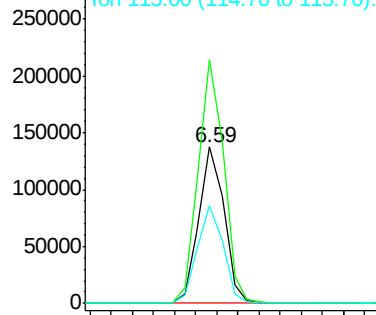


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

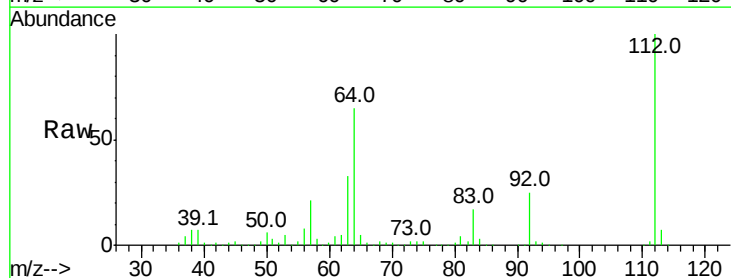
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 48.207 ng
RT: 5.19 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	46.0	69.0
63	33.1	23.4	35.0

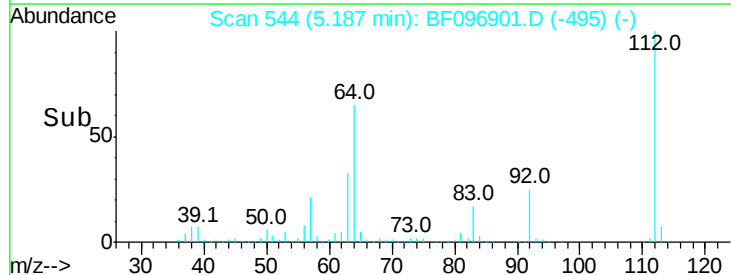
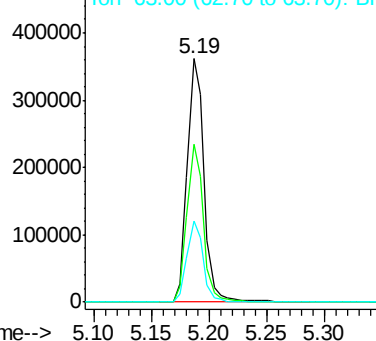


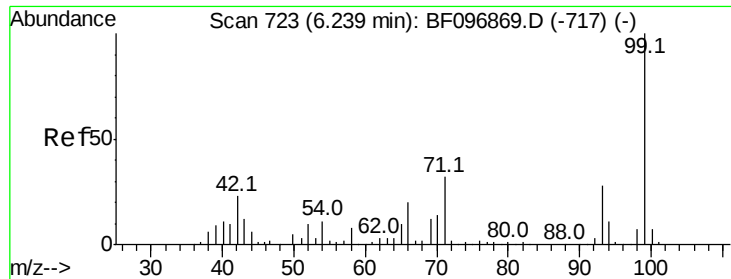
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 48.091 ng

RT: 6.23 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP-(0-8)DL

Tot Ion: 99 Resp: 437686

Ion Ratio Lower Upper

99 100

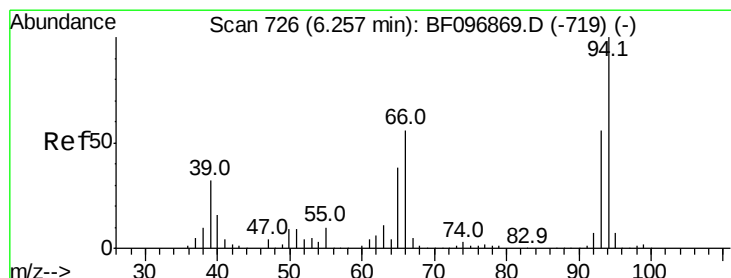
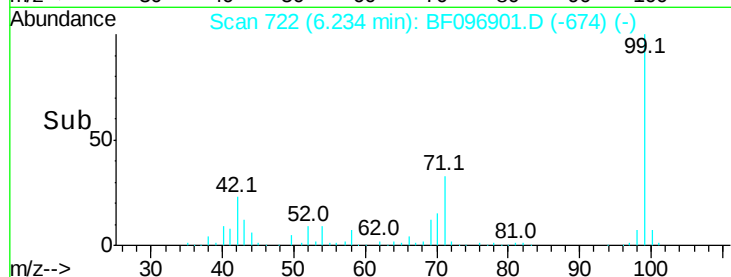
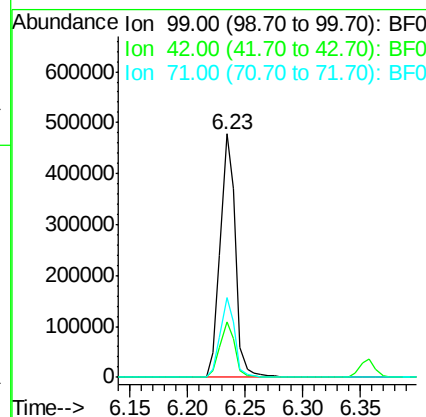
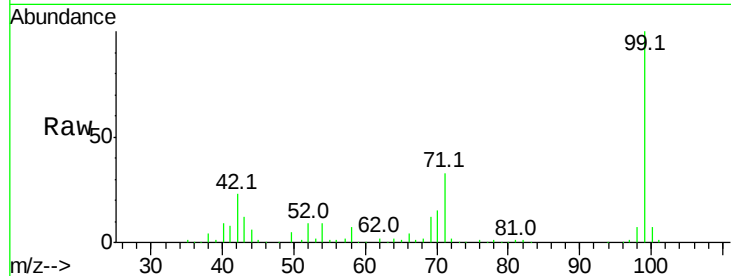
42 22.8 13.5 20.3#

71 32.9 24.5 36.7

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#10

Phenol

Concen: 2.214 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

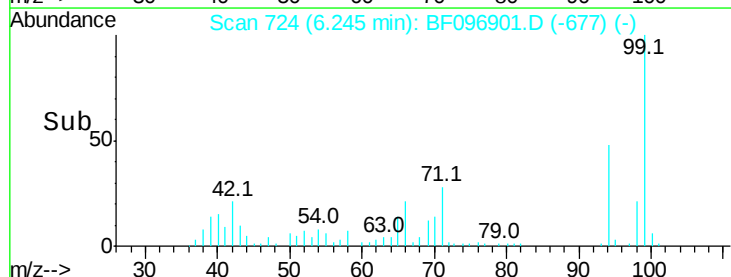
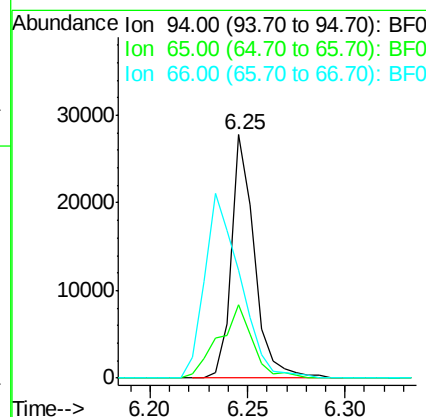
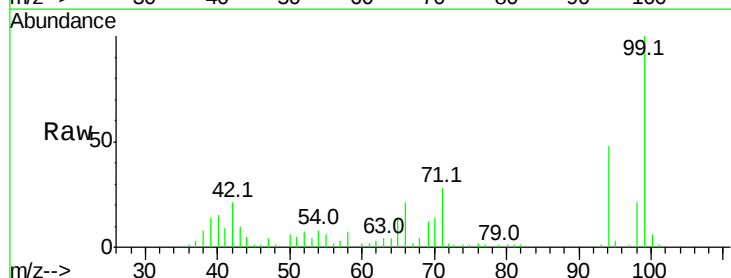
Tgt Ion: 94 Resp: 22777

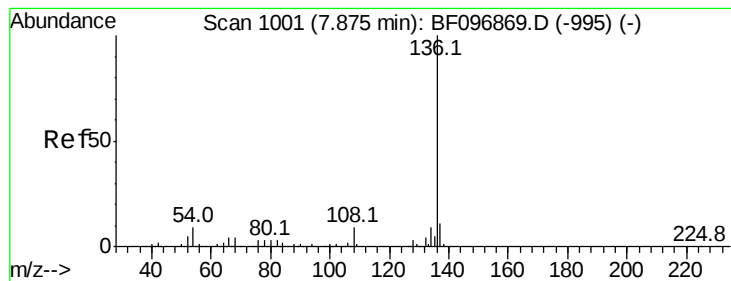
Ion Ratio Lower Upper

94 100

65 30.2 9.9 49.9

66 44.5 23.1 63.1





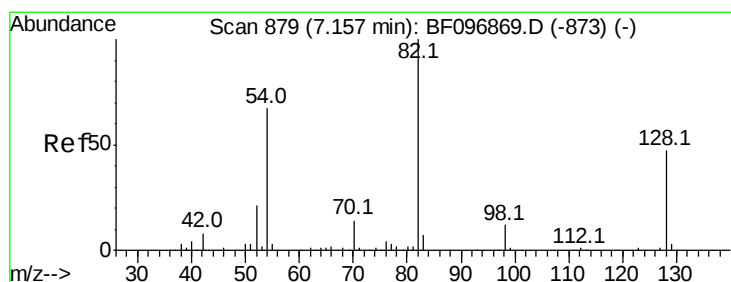
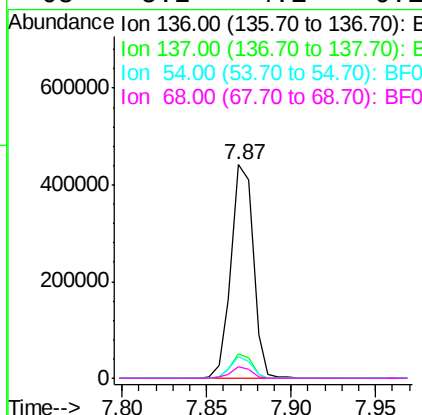
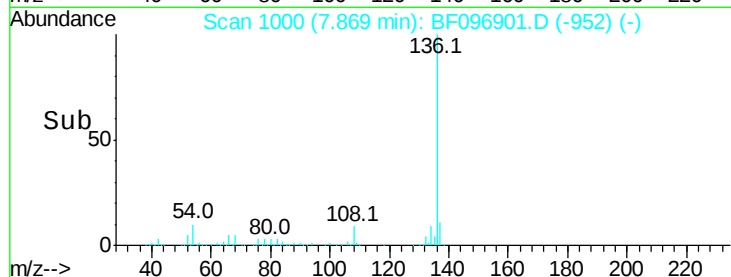
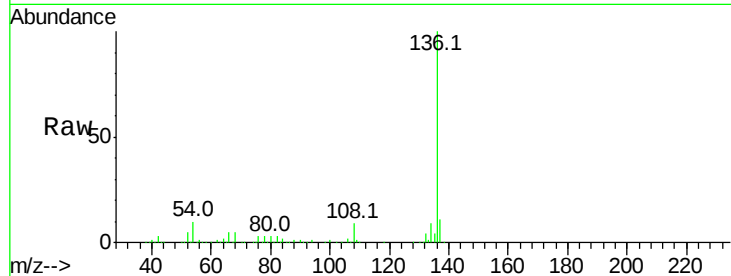
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)DL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	10.3	4.9	7.3#	
68	5.2	4.1	6.1	

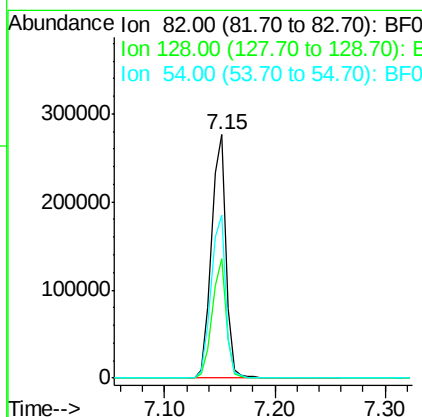
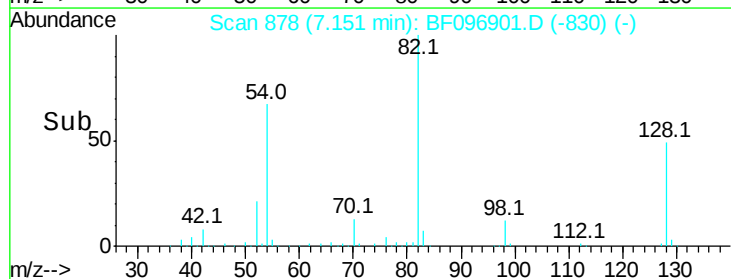
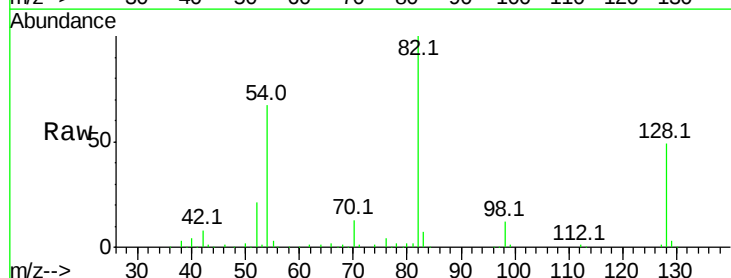
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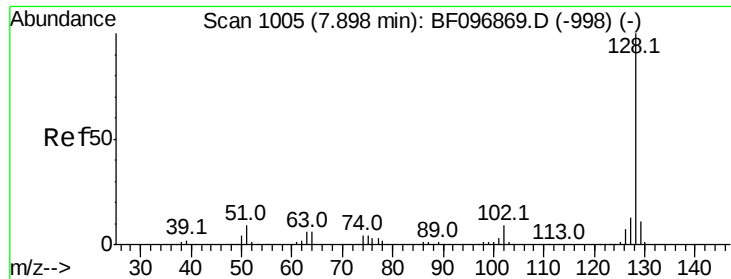
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#23
Nitrobenzene-d5
Concen: 37.896 ng
RT: 7.15 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.3	34.0	51.0	
54	67.2	42.2	63.2#	





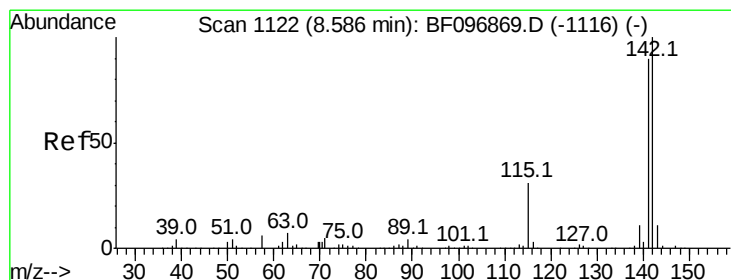
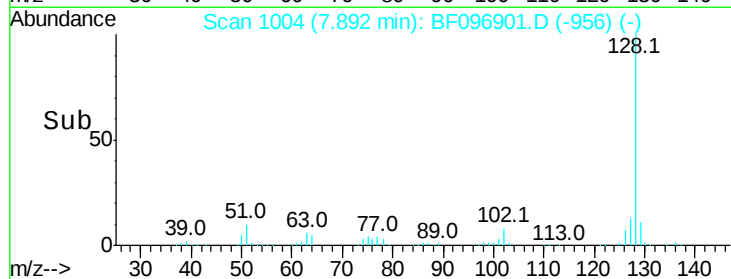
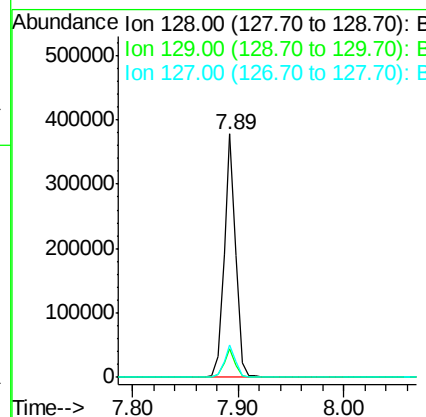
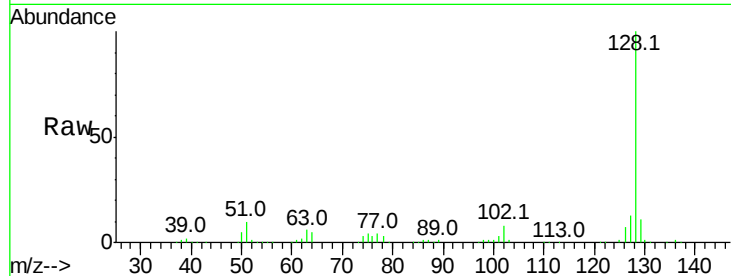
#31
Naphthalene
Concen: 15.243 ng
RT: 7.89 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.4	10.8	16.2

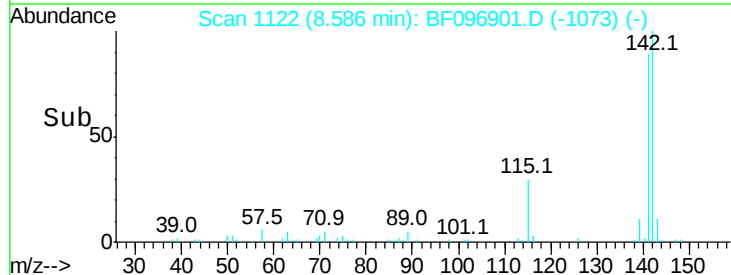
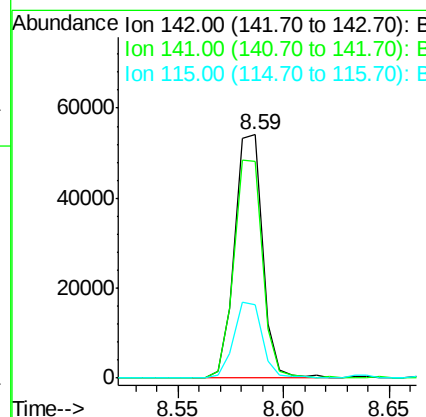
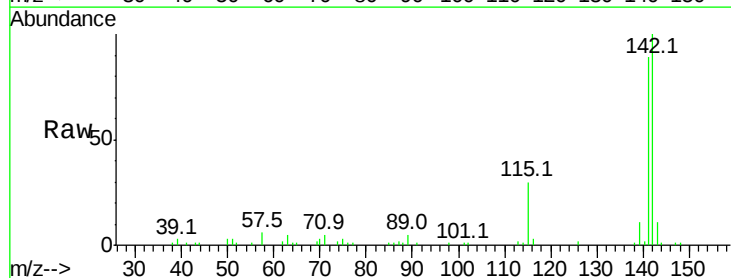
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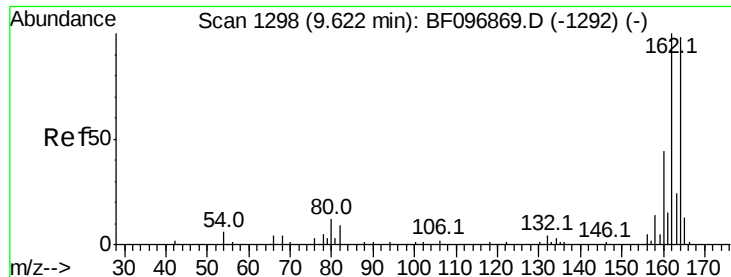
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#37
2-Methylnaphthalene
Concen: 4.033 ng
RT: 8.59 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.3	106.9
115	30.2	27.1	40.7





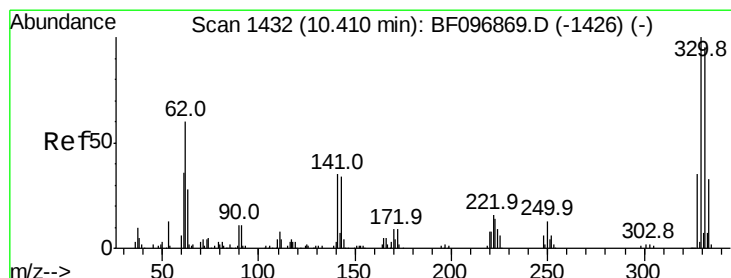
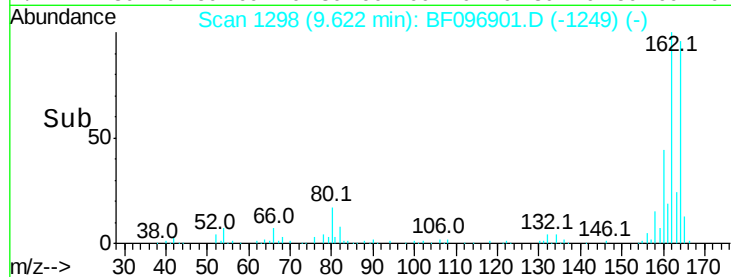
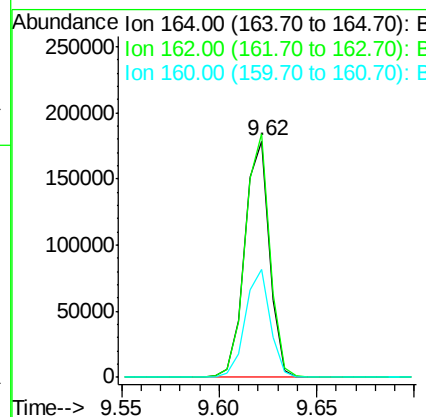
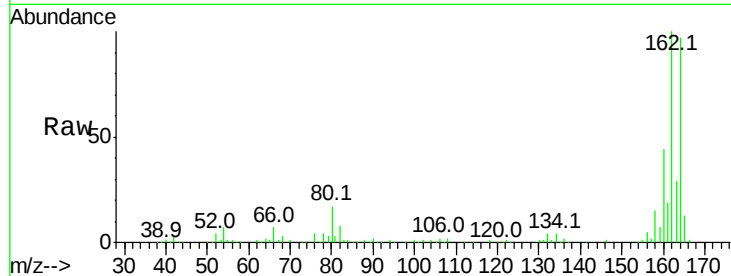
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	45.5	36.2	54.2

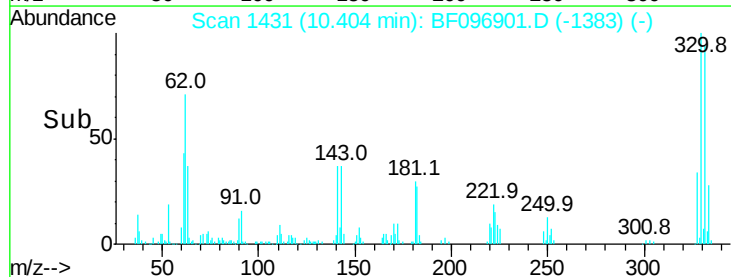
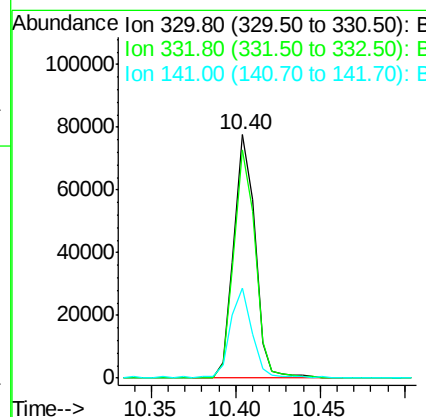
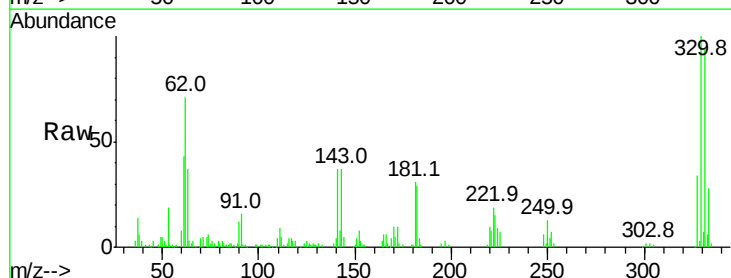
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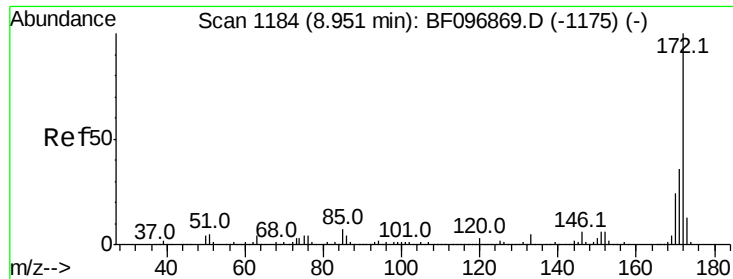
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#41
2,4,6-Tribromophenol
Concen: 51.179 ng
RT: 10.40 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.6	115.0
141	38.6	31.4	47.2





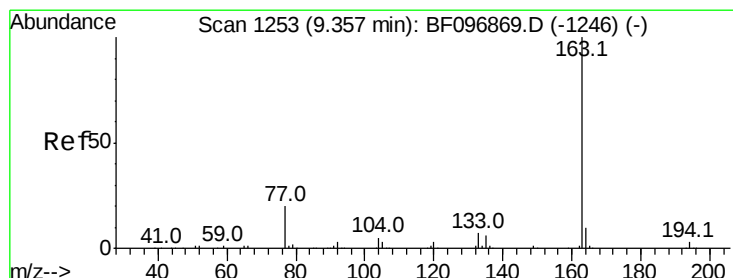
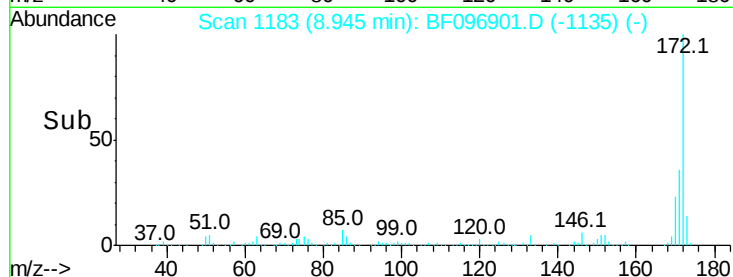
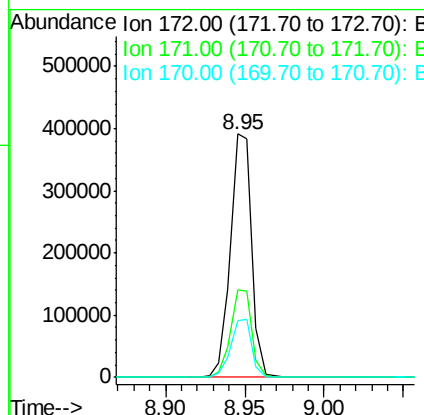
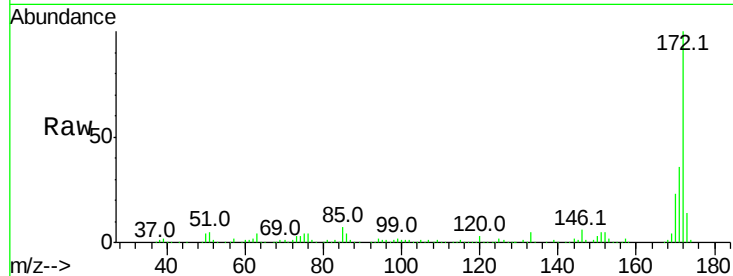
#44
2-Fluorobiphenyl
Concen: 36.746 ng
RT: 8.95 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	364980		
171	36.0		29.6	44.4
170	23.5		19.8	29.8

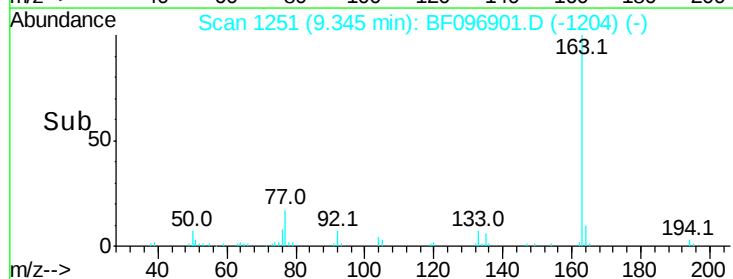
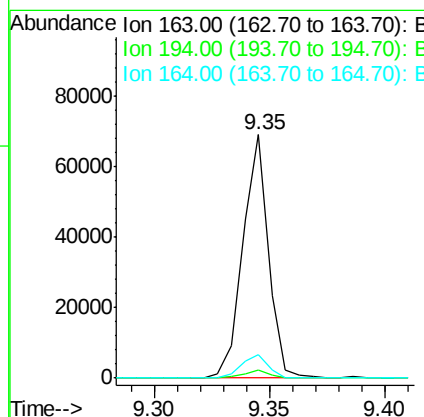
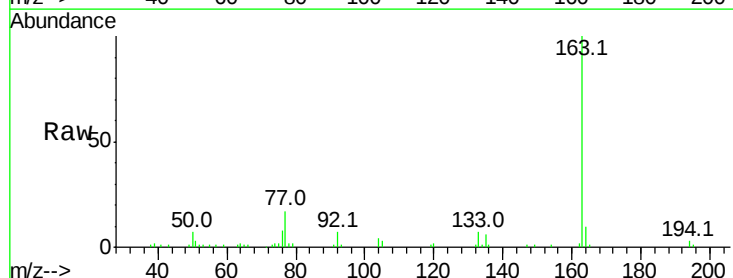
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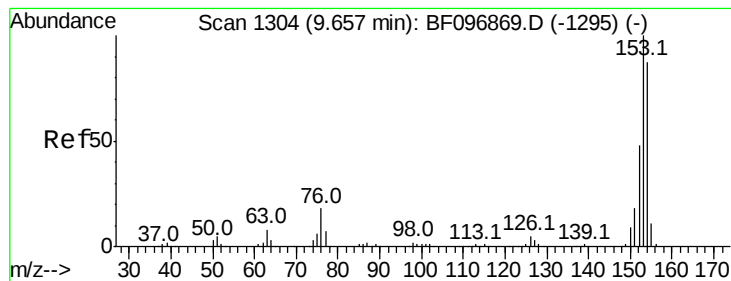
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#49
Dimethylphthalate
Concen: 4.507 ng
RT: 9.35 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	53252		
194	3.2		2.6	4.0
164	9.7		8.4	12.6





#51

Acenaphthene

Concen: 11.021 ng

RT: 9.65 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

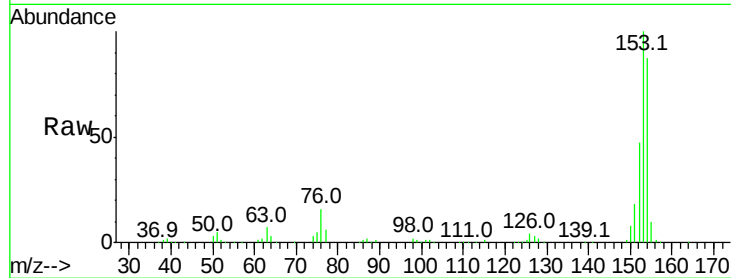
ClientSampleId :

TP-2-COMP-(0-8)DL

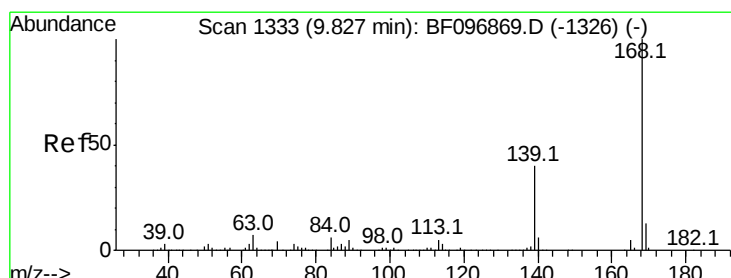
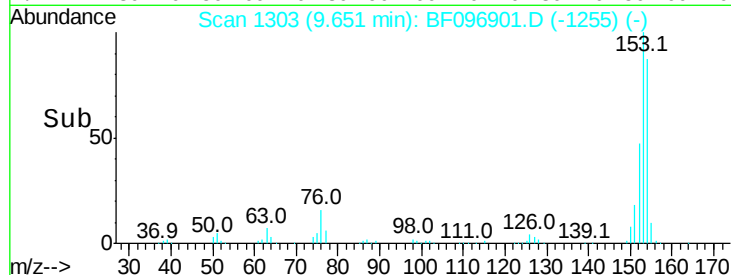
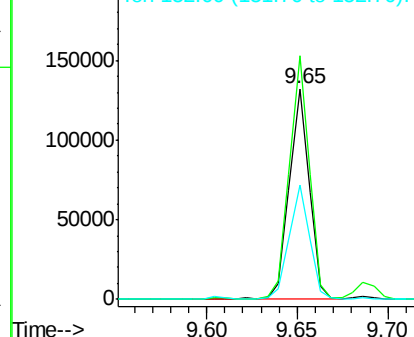
Tot Ion:	154	Resp:	102801
Ion Ratio	Lower	Upper	
154	100		
153	115.4	90.5	135.7
152	54.4	43.6	65.4

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 8.026 ng

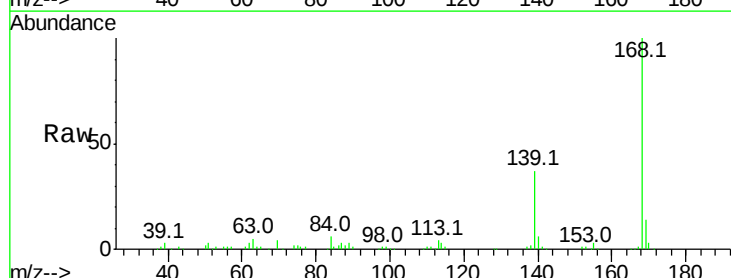
RT: 9.82 min Scan# 1332

Delta R.T. -0.02 min

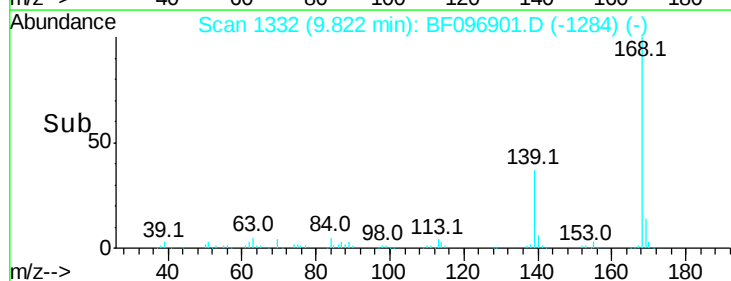
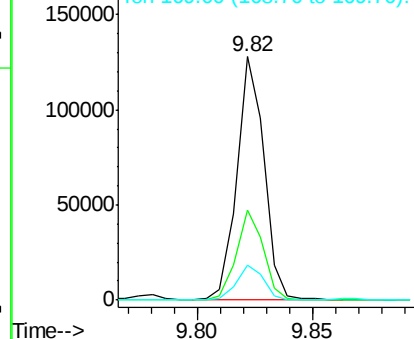
Lab File: BF096901.D

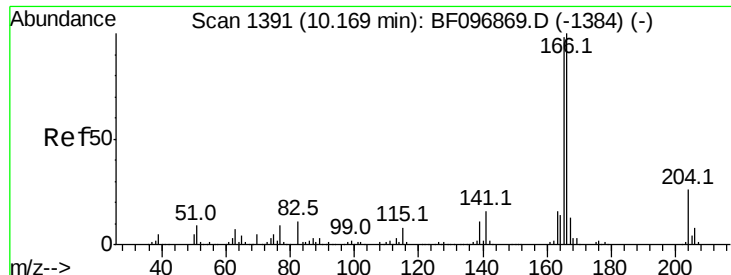
Acq: 20 Jul 2017 12:03

Tgt Ion:	168	Resp:	104910
Ion Ratio	Lower	Upper	
168	100		
139	37.2	30.6	45.8
169	14.2	10.8	16.2



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





#57

Fluorene

Concen: 10.929 ng

RT: 10.16 min Scan# 1390

Delta R.T. -0.02 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP-(0-8)DL

Tot Ion:166 Resp: 105563

Ion Ratio Lower Upper

166 100

165 98.3 78.8 118.2

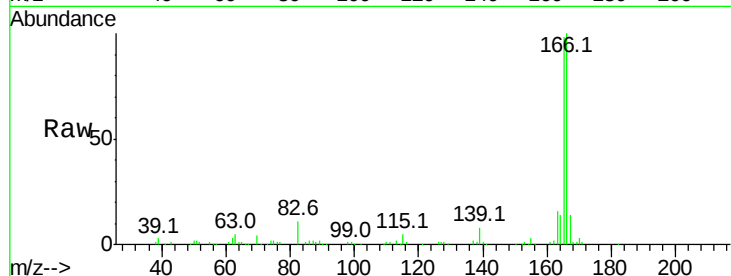
167 14.2 10.6 16.0

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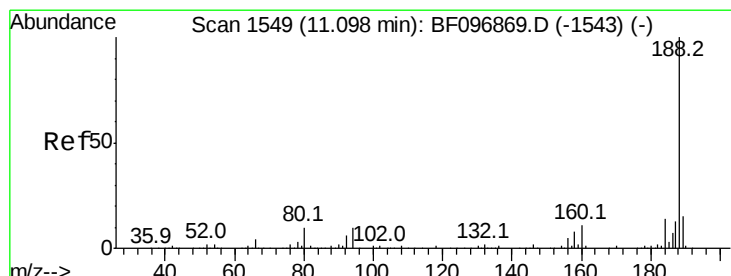
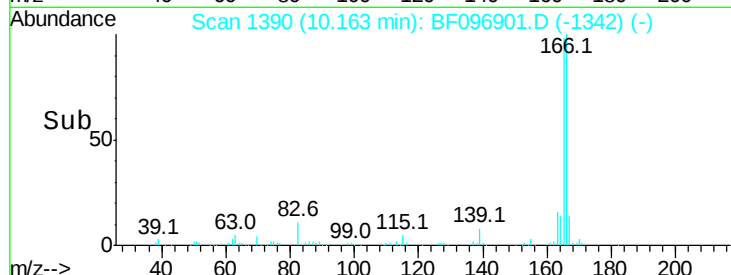
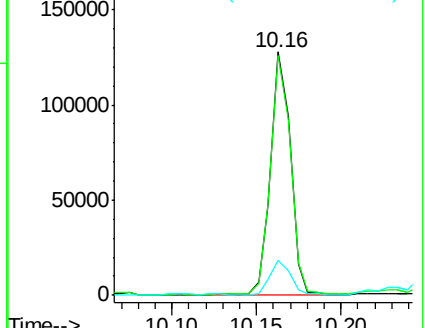
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

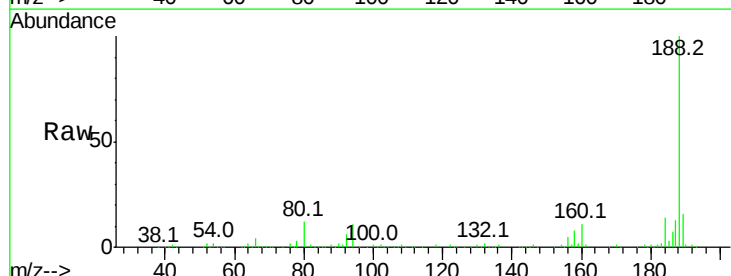
Tgt Ion:188 Resp: 249507

Ion Ratio Lower Upper

188 100

94 10.6 9.4 14.2

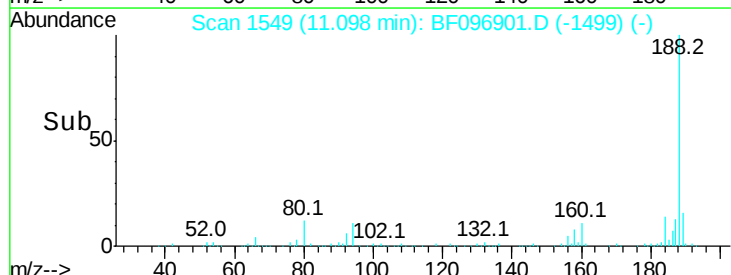
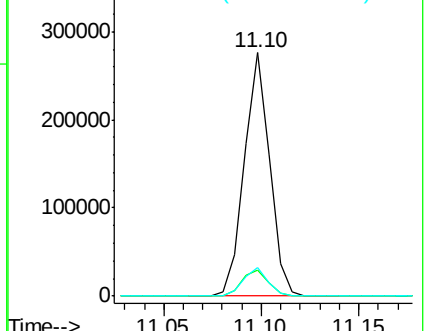
80 11.6 10.2 15.2

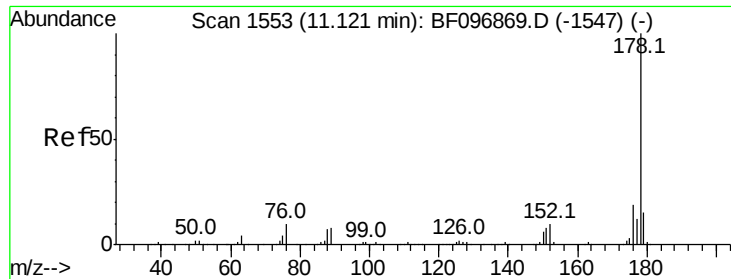


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





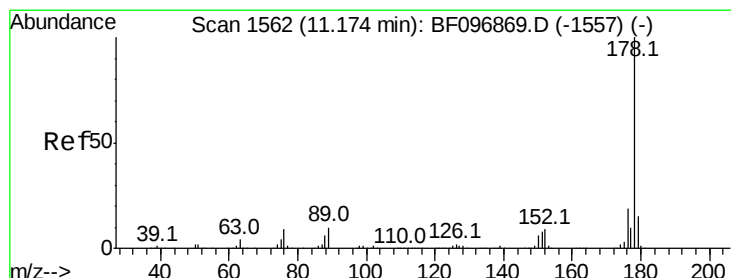
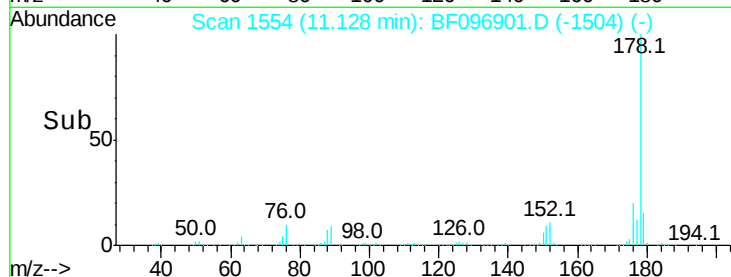
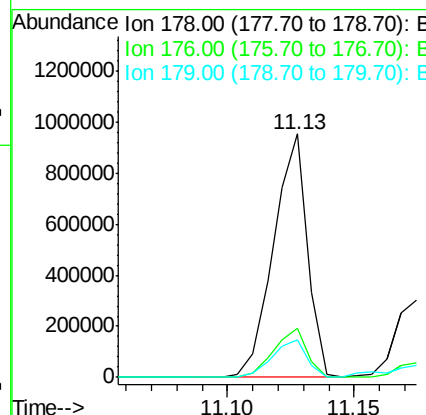
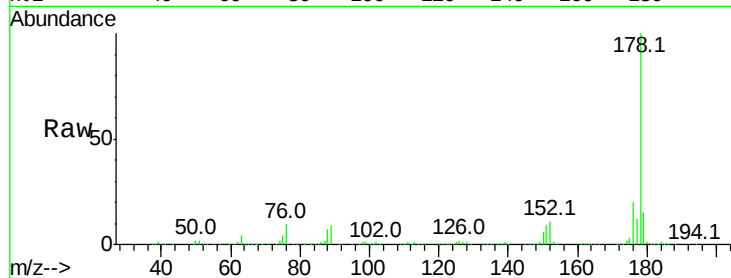
#70
Phenanthrene
Concen: 65.722 ng
RT: 11.13 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.4
179	15.2	12.6	19.0

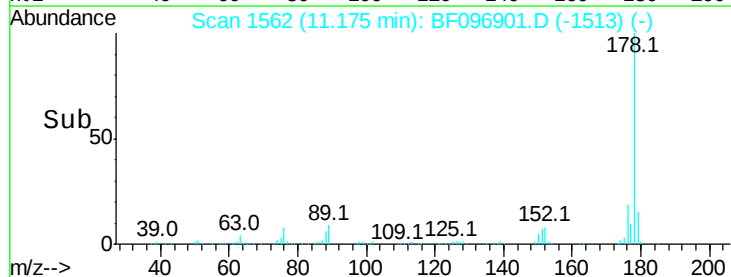
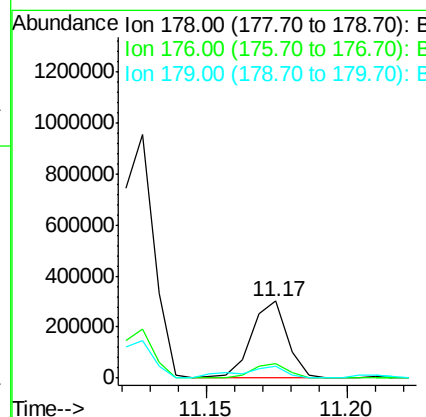
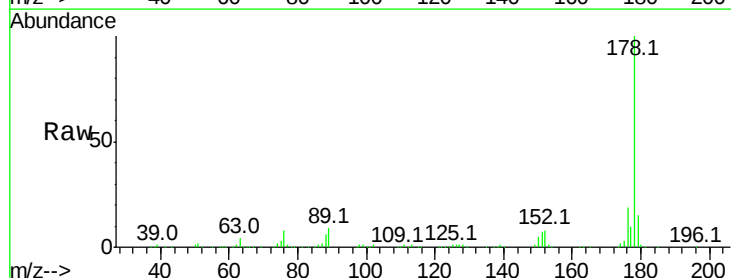
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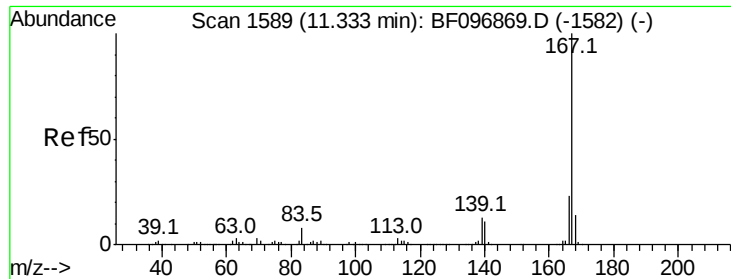
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#71
Anthracene
Concen: 19.266 ng
RT: 11.17 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	14.7	12.7	19.1





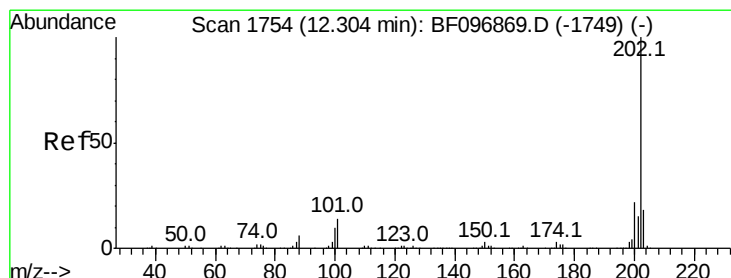
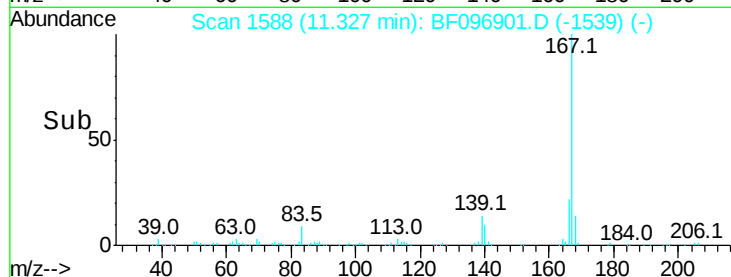
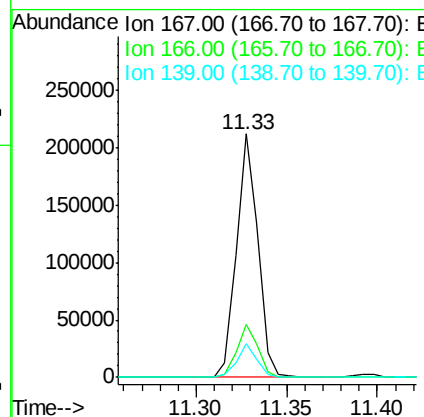
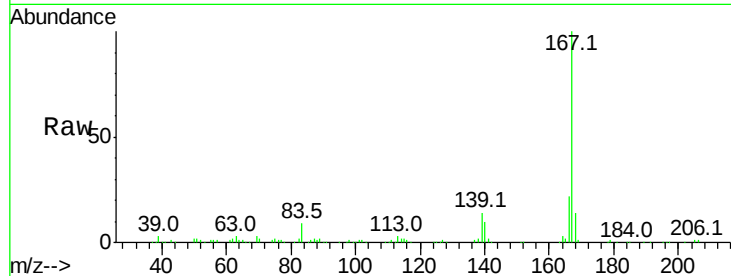
#72
 Carbazole
 Concen: 13.143 ng
 RT: 11.33 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF096901.D
 Acq: 20 Jul 2017 12:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP-(0-8)DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.1	27.1
139	14.1	11.7	17.5

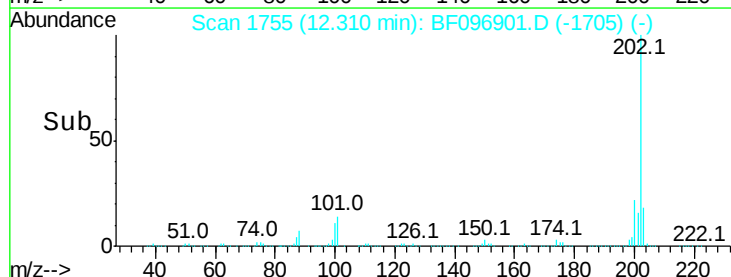
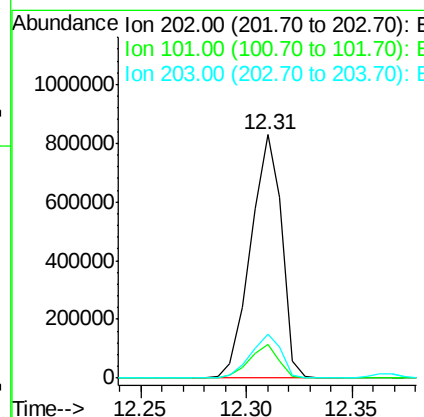
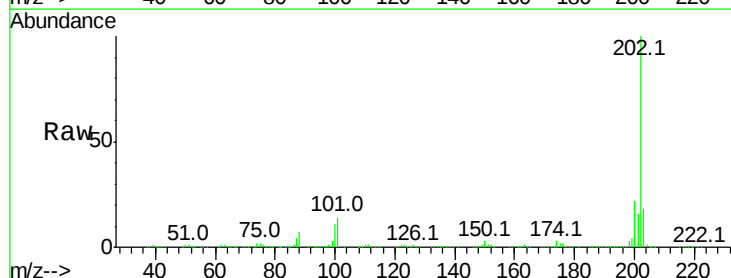
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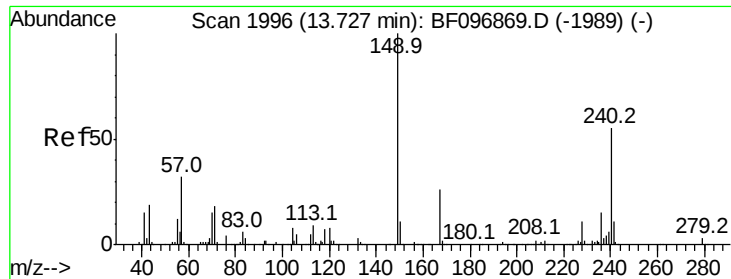
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#74
 Fluoranthene
 Concen: 64.537 ng
 RT: 12.31 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF096901.D
 Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.73 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2-COMP-(0-8)DL

Tot Ion:240 Resp: 161779

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

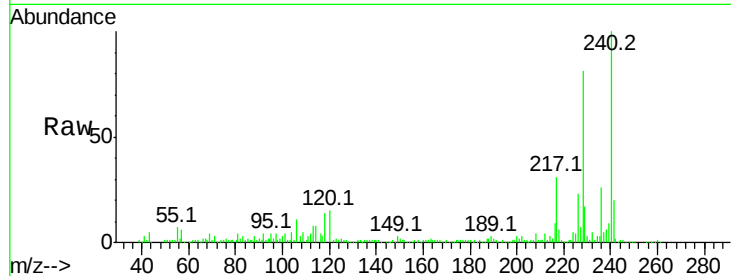
236 26.0 20.5 30.7

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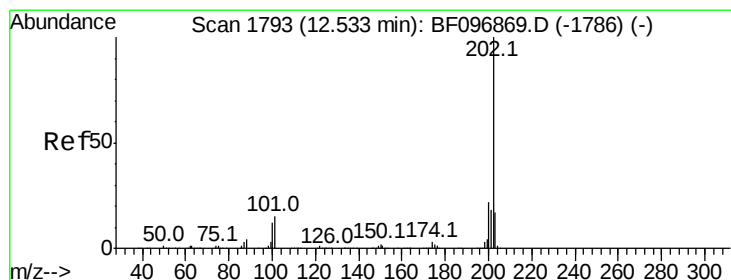
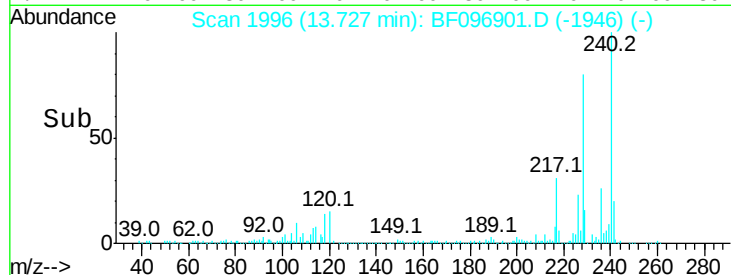
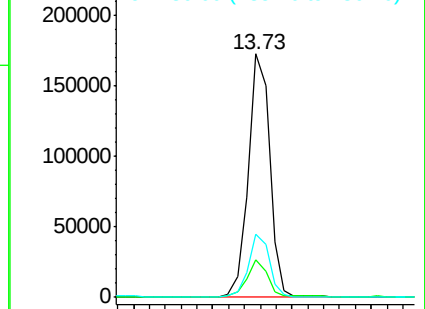
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 47.685 ng

RT: 12.53 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

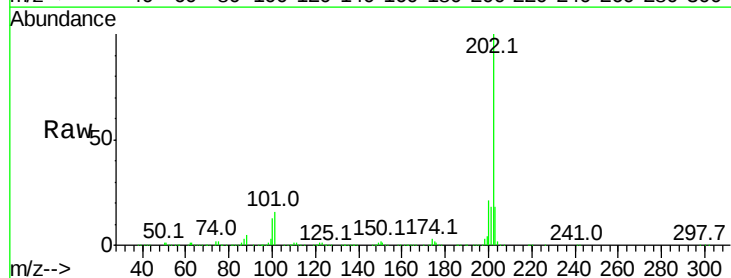
Tgt Ion:202 Resp: 700125

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

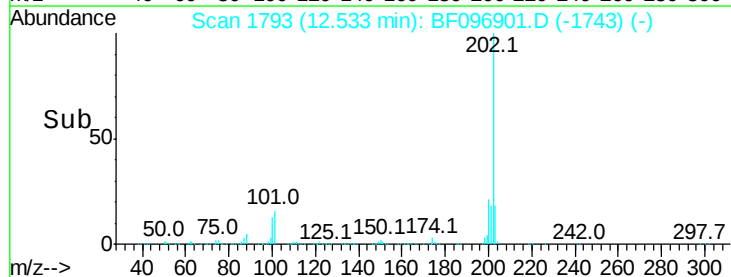
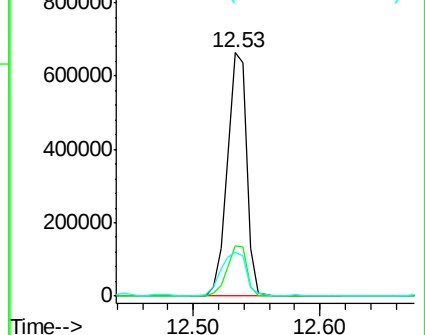
203 18.2 14.4 21.6

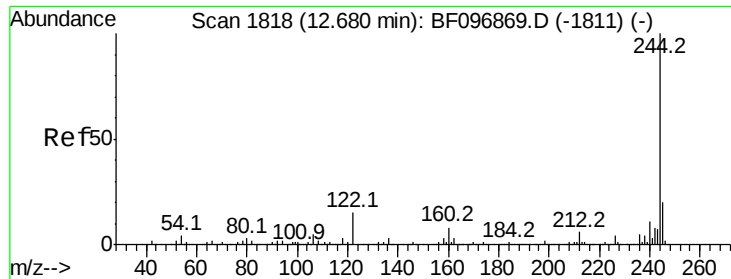


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





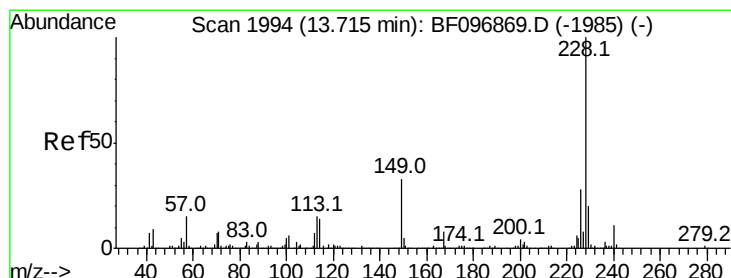
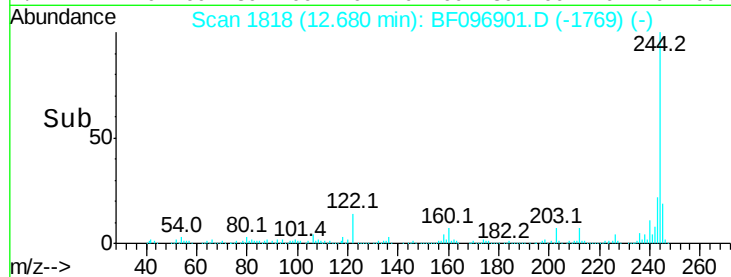
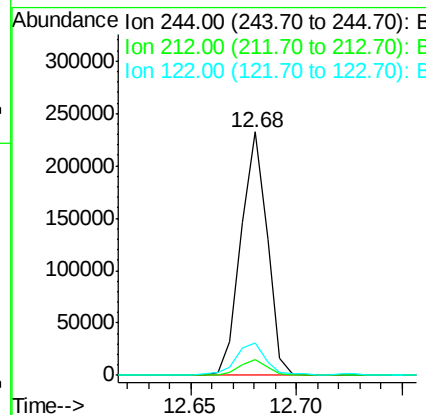
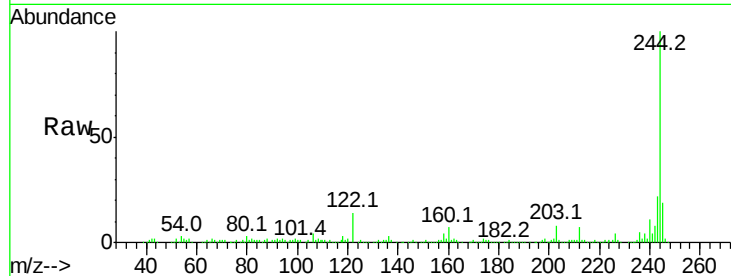
#78
 Terphenyl-d14
 Concen: 21.251 ng
 RT: 12.68 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF096901.D
 Acq: 20 Jul 2017 12:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-COMP-(0-8)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	13.5	10.3	15.5

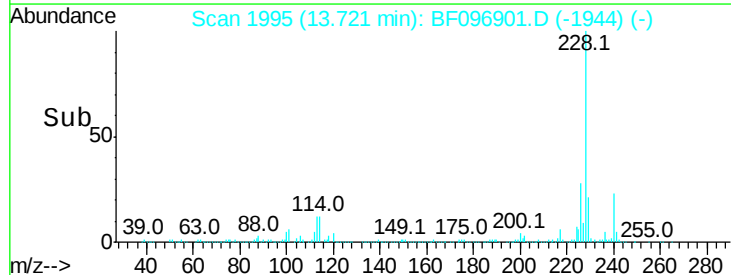
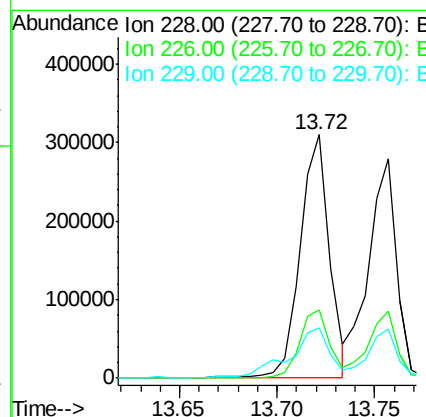
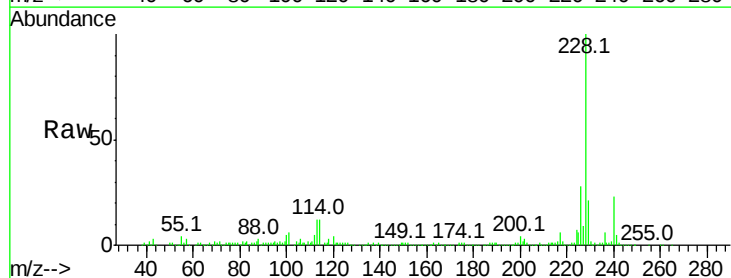
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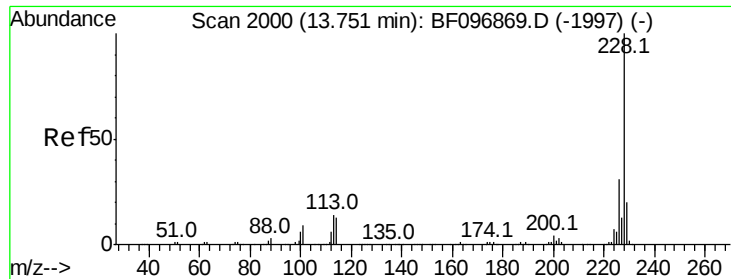
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#80
 Benzo(a)anthracene
 Concen: 31.681 ng
 RT: 13.72 min Scan# 1995
 Delta R.T. 0.00 min
 Lab File: BF096901.D
 Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.8	16.3	24.5





#82

Chrysene

Concen: 28.174 ng

RT: 13.76 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Instrument :

BNA_F

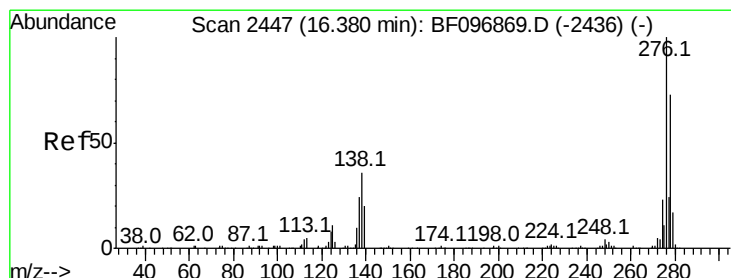
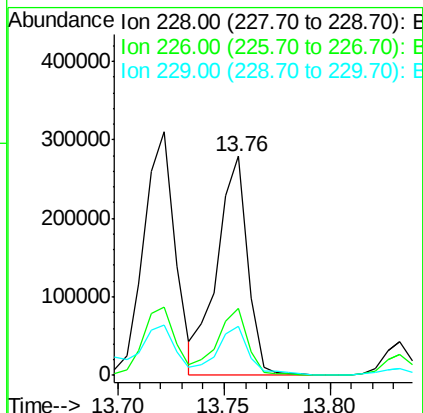
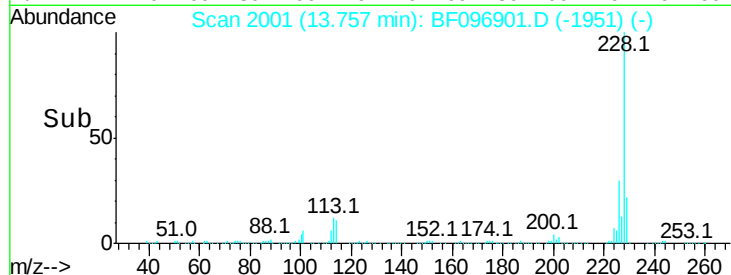
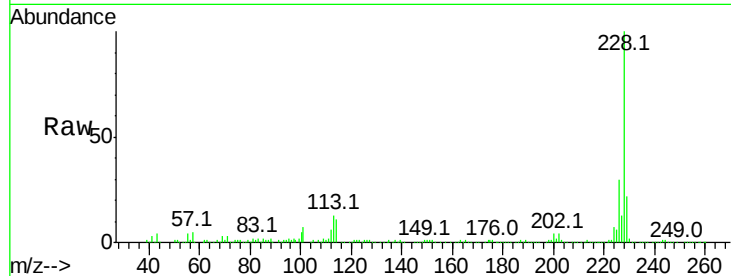
ClientSampleId :

TP-2-COMP-(0-8)DL

Tot Ion:	228	Resp:	279585
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	22.1	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.755 ng

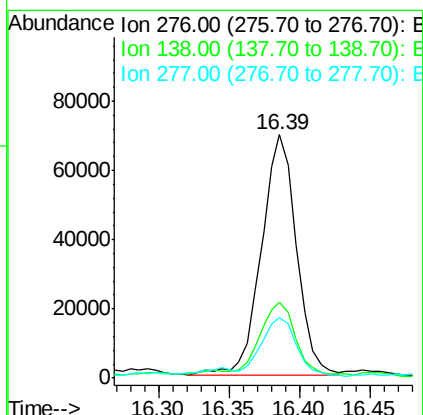
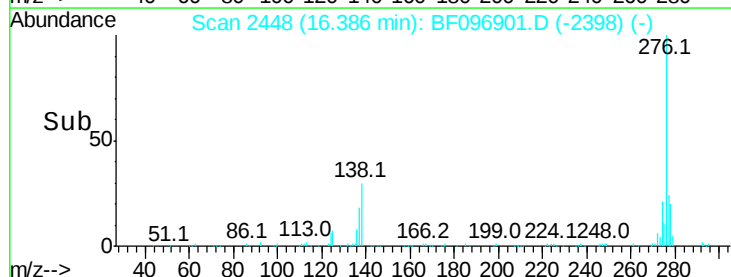
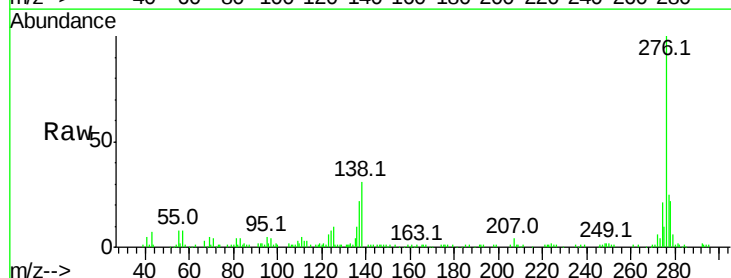
RT: 16.39 min Scan# 2448

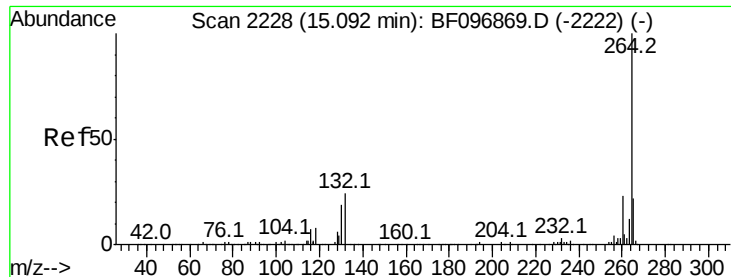
Delta R.T. -0.01 min

Lab File: BF096901.D

Acq: 20 Jul 2017 12:03

Tgt Ion:	276	Resp:	120692
Ion Ratio	Lower	Upper	
276	100		
138	31.7	27.8	41.6
277	25.3	20.2	30.4





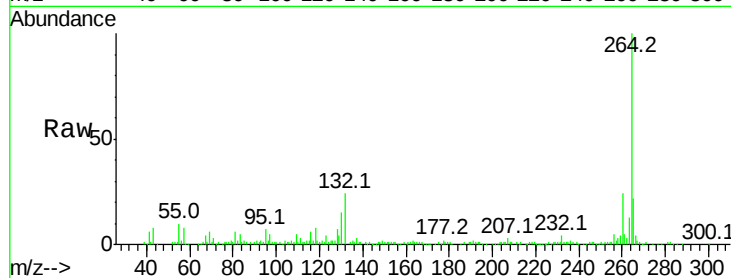
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.10 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)DL

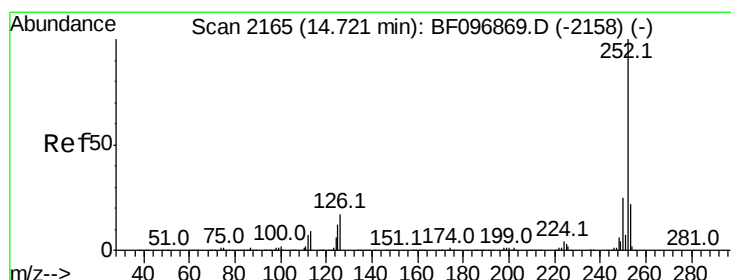
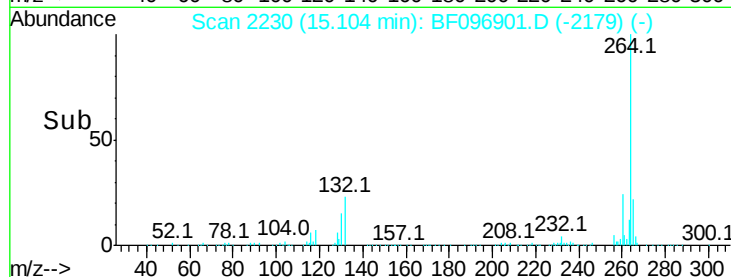
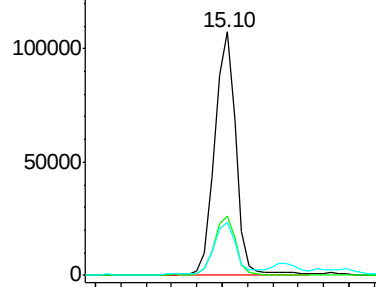
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.0	17.2	25.8

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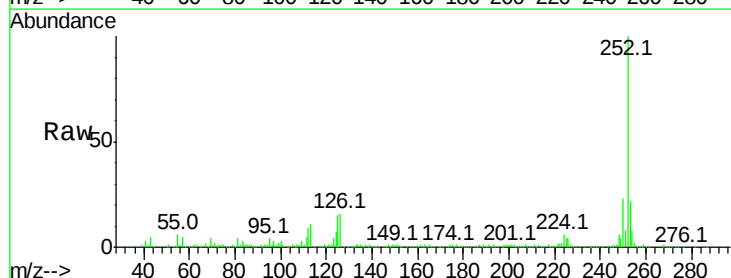


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

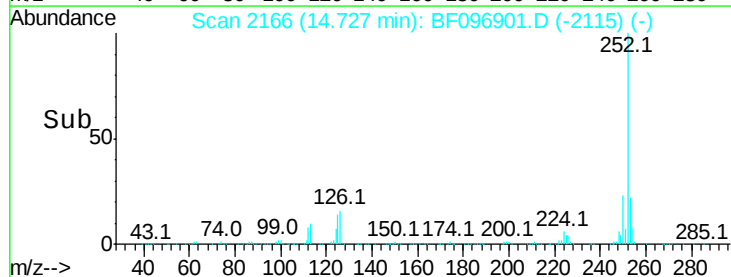
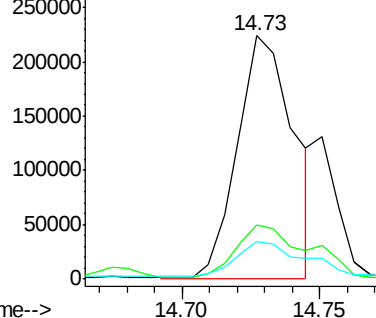


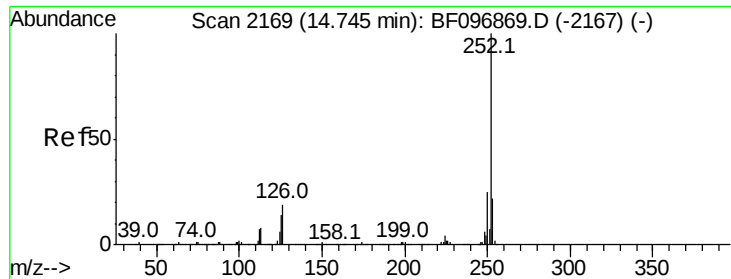
#87
Benzo(b)fluoranthene
Concen: 42.530 ng m
RT: 14.73 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	15.3	9.8	14.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





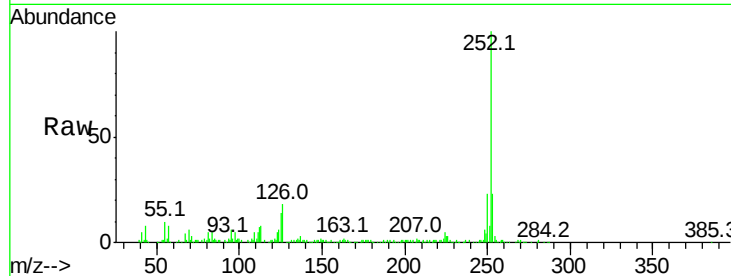
#88
Benzo(k)fluoranthene
Concen: 11.014 ng m
RT: 14.75 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)DL

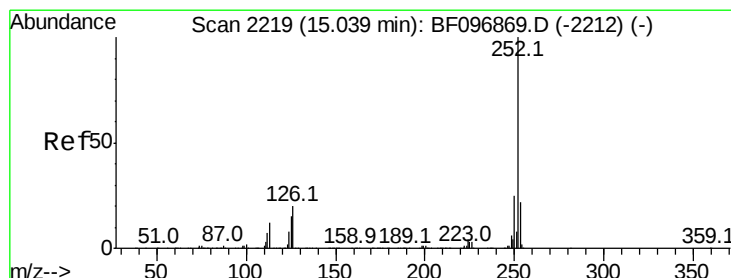
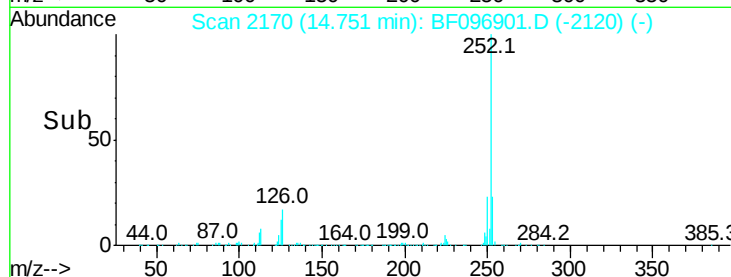
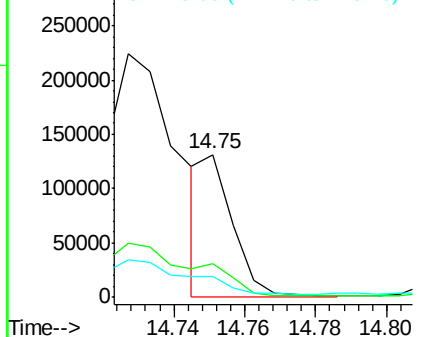
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	14.5	13.1	19.7

Manual Integrations
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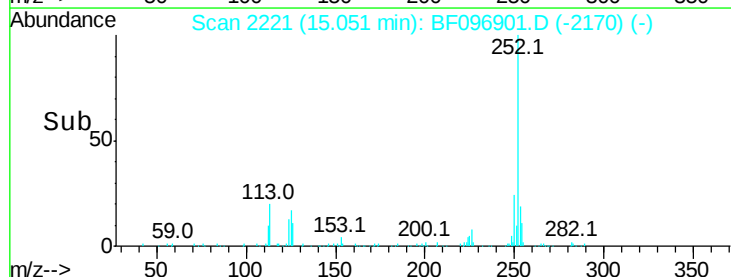
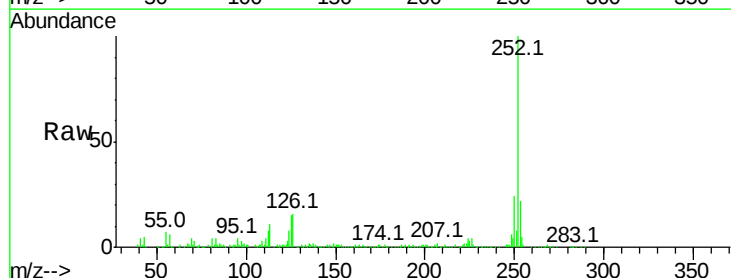
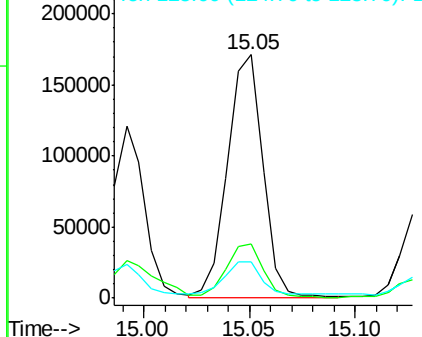
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

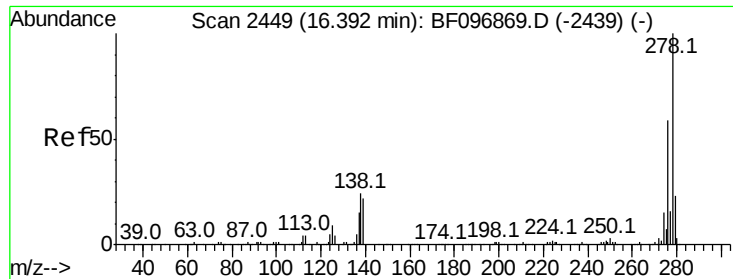


#89
Benzo(a)pyrene
Concen: 28.378 ng
RT: 15.05 min Scan# 2221
Delta R.T. 0.00 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.0	11.0	16.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





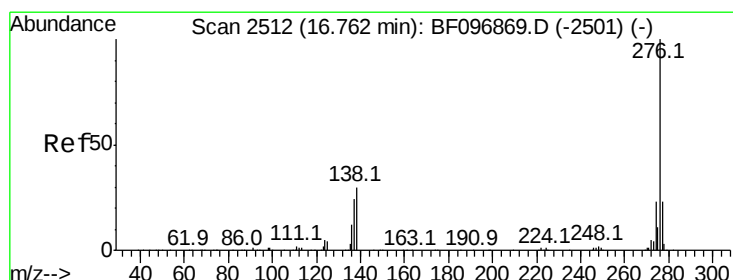
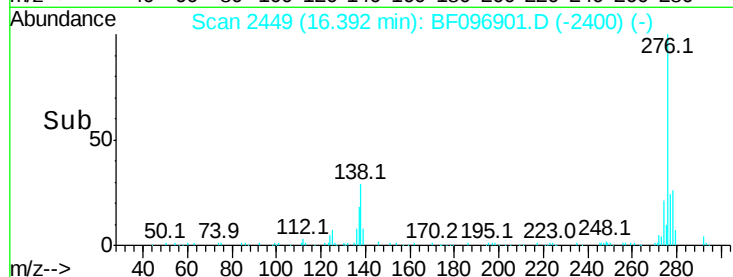
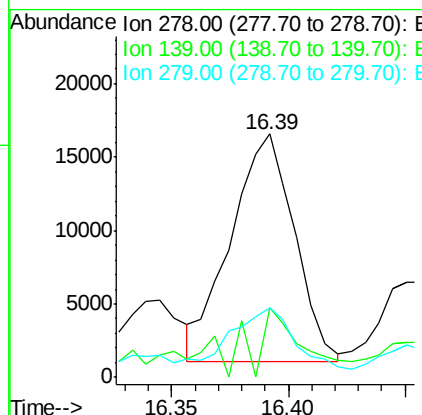
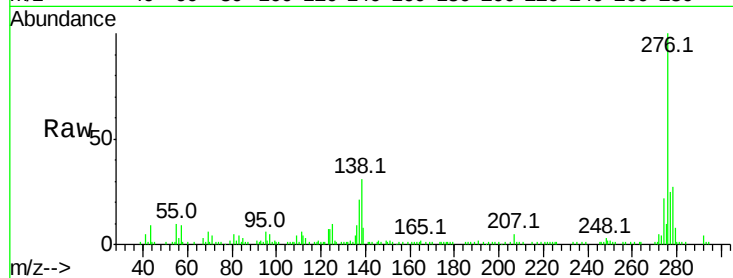
#90
Dibenzo(a,h)anthracene
Concen: 4.615 ng m
RT: 16.39 min Scan# 2449
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Instrument :
BNA_F
ClientSampleId :
TP-2-COMP-(0-8)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.4	16.6	24.8#
279	28.7	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 15.055 ng
RT: 16.77 min Scan# 2513
Delta R.T. -0.01 min
Lab File: BF096901.D
Acq: 20 Jul 2017 12:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	30.1	25.4	38.0

