

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097862.D
 Acq On : 19 Aug 2017 5:04
 Operator : SJ/JU
 Sample : I4820-15
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-J7-WSW

Manual Integrations
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 8/21/2017 6:18:55 AM

Quant Time: Aug 19 05:34:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	116860	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	458274	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	202968	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	365958	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	316358	20.00	ng	-0.01
86) Perylene-d12	15.36	264	268545	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	937880	122.08	ng	0.00
7) Phenol-d6	6.41	99	1255247	120.25	ng	0.00
23) Nitrobenzene-d5	7.34	82	779890	92.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	217102	123.28	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1050059	76.01	ng	-0.01
78) Terphenyl-d14	12.88	244	828855	54.64	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
37) 2-Methylnaphthalene	8.77	142	31564	2.164	ng	95
49) Dimethylphthalate	9.53	163	184735	12.451	ng	98
51) Acenaphthene	9.84	154	62111	4.586	ng	98
54) Dibenzofuran	10.01	168	46114	2.540	ng	# 91
57) Fluorene	10.35	166	66272	4.722	ng	96
70) Phenanthrene	11.32	178	364934	18.714	ng	99
71) Anthracene	11.36	178	83713	4.232	ng	98
74) Fluoranthene	12.50	202	345701	16.984	ng	98
77) Pyrene	12.73	202	319786	12.359	ng	98
80) Benzo(a)anthracene	13.92	228	117380	6.191	ng	97
82) Chrysene	13.95	228	131791	6.987	ng	98
85) Indeno(1,2,3-cd)pyrene	16.74	276	39381	2.838	ng	# 91
87) Benzo(b)fluoranthene	14.94	252	130865m	7.731	ng	
88) Benzo(k)fluoranthene	14.97	252	37107m	2.333	ng	
89) Benzo(a)pyrene	15.29	252	85260	5.690	ng	98
91) Benzo(g,h,i)perylene	17.16	276	36085	2.835	ng	94

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

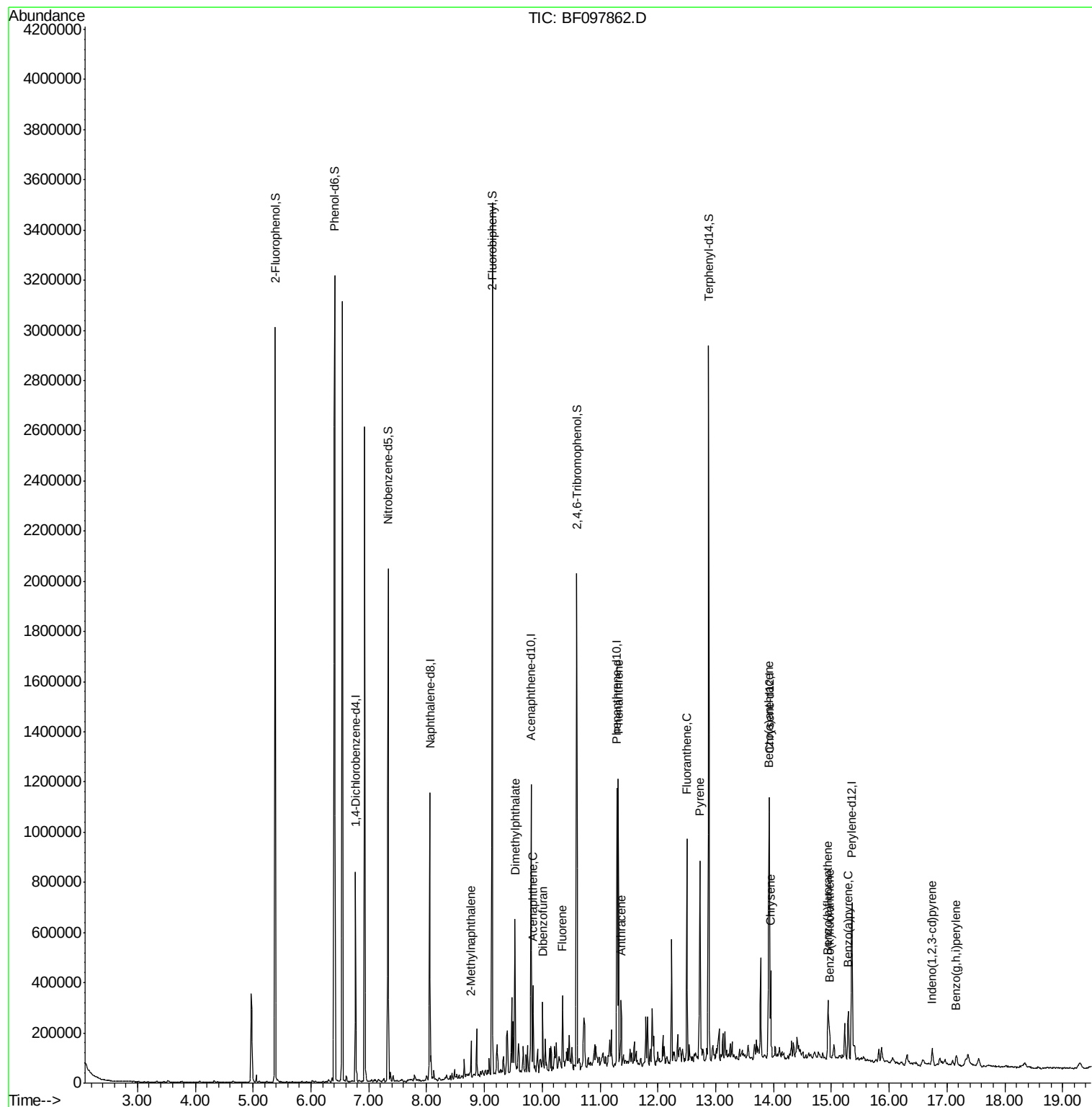
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
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ALS Vial : 26 Sample Multiplier: 1

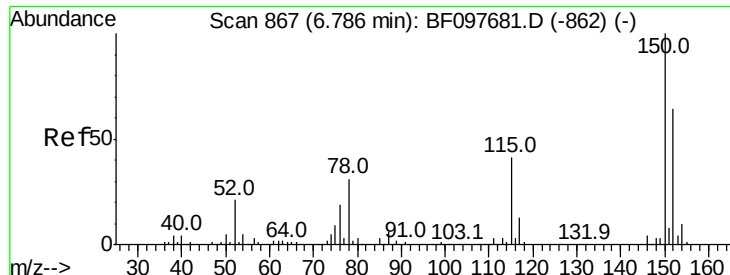
Instrument :
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#1

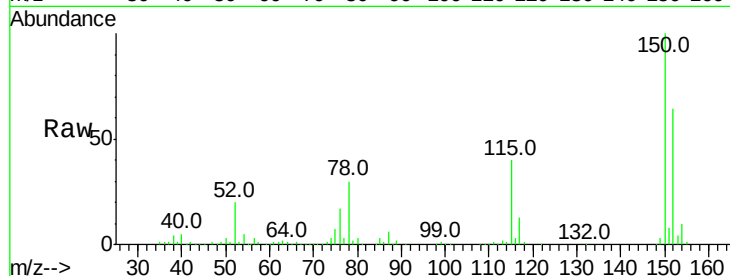
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-J7-WSW

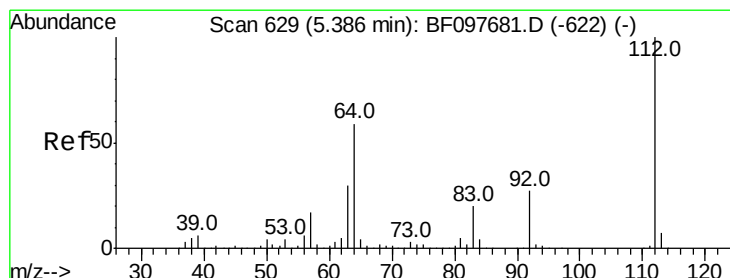
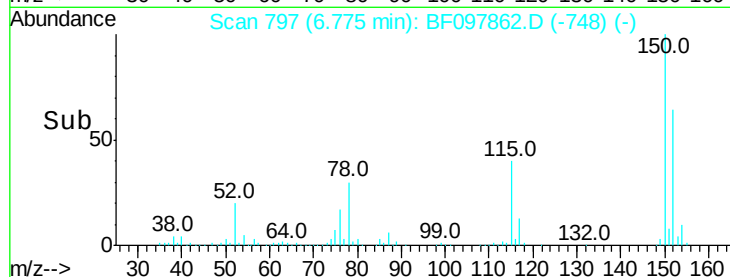
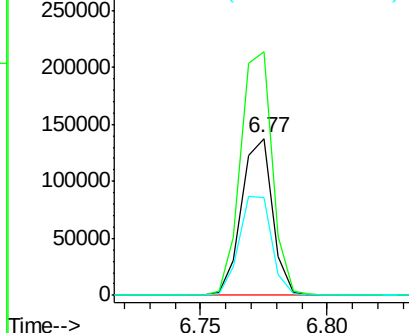
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.2	189.2
115	62.4	52.2	78.2

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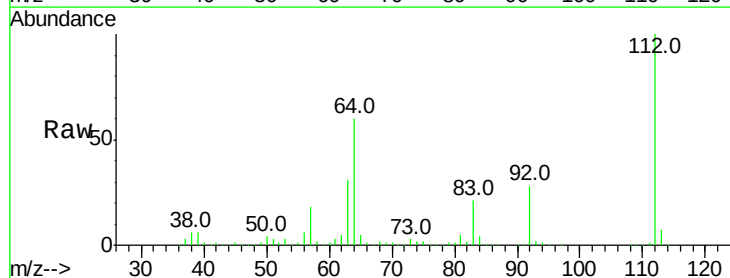
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



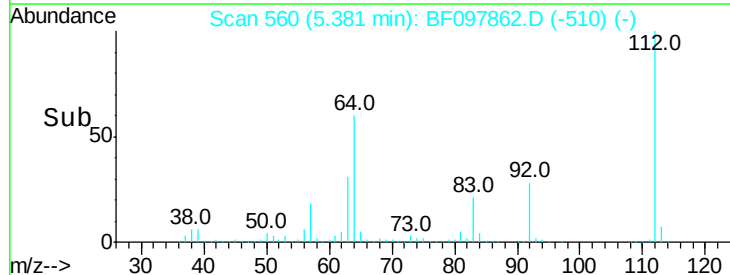
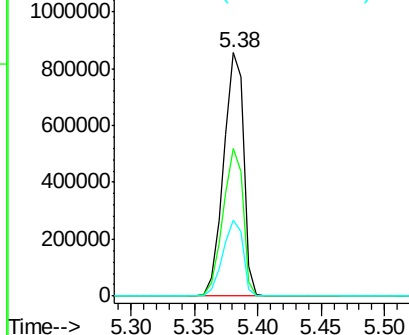
#5

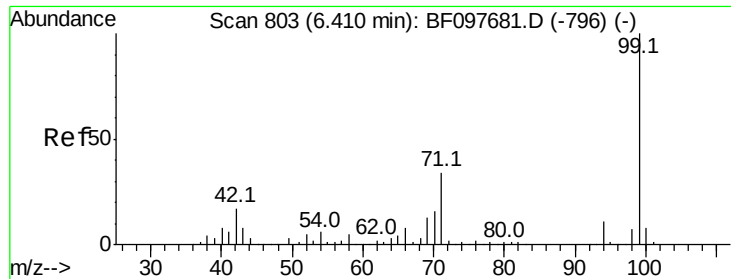
2-Fluorophenol
Concen: 122.076 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	46.0	69.0
63	31.0	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: 120.250 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097862.D

Acq: 19 Aug 2017 5:04

Instrument :

BNA_F

ClientSampleId :

E2-J7-WSW

Tot Ion: 99 Resp: 1255247

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

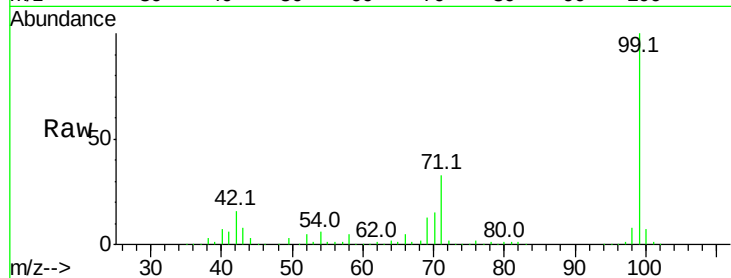
71 33.3 24.5 36.7

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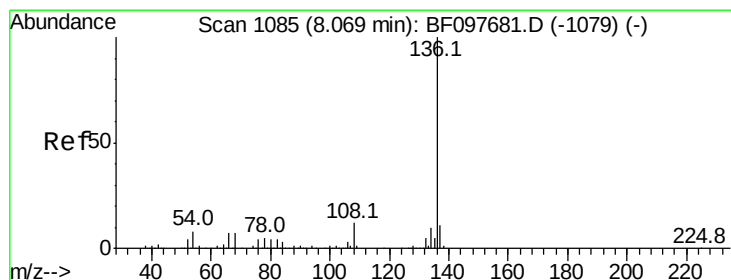
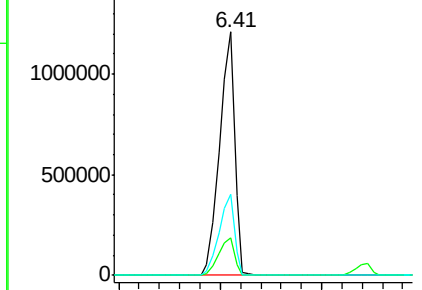
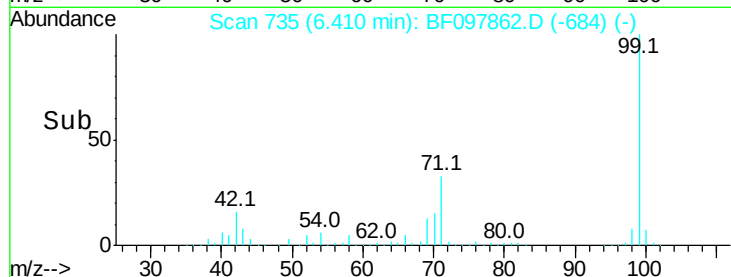
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097862.D

Acq: 19 Aug 2017 5:04

Tgt Ion: 136 Resp: 458274

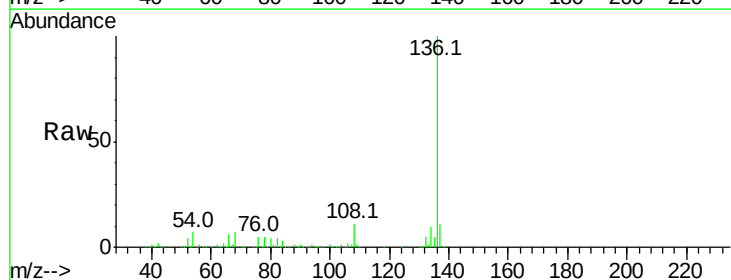
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 7.4 4.9 7.3#

68 6.9 4.1 6.1#

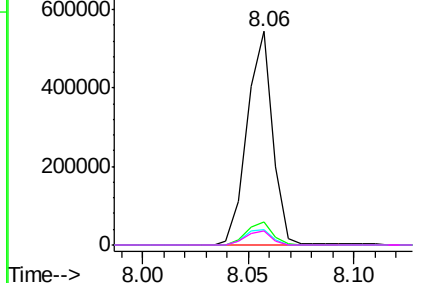
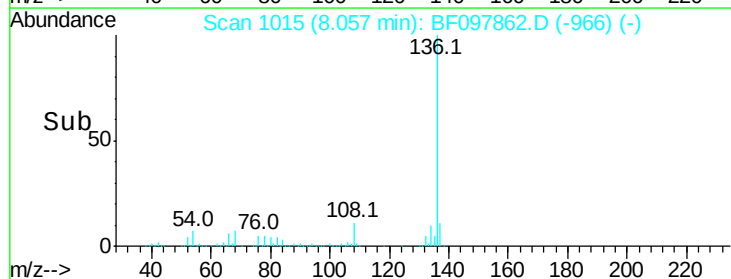


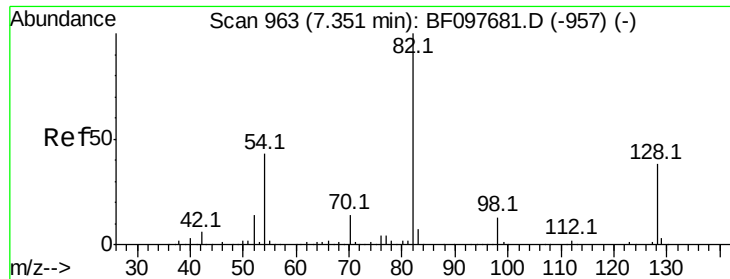
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





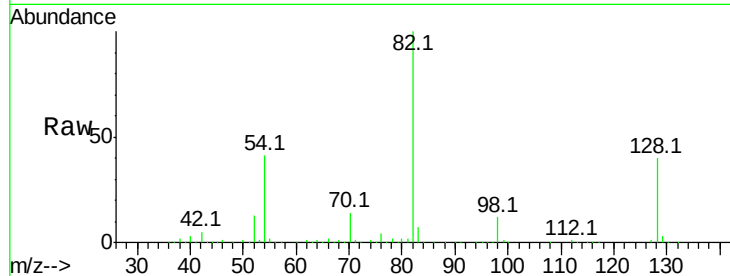
#23
Nitrobenzene-d5
Concen: 92.450 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Instrument :
BNA_F
ClientSampled :
E2-J7-WSW

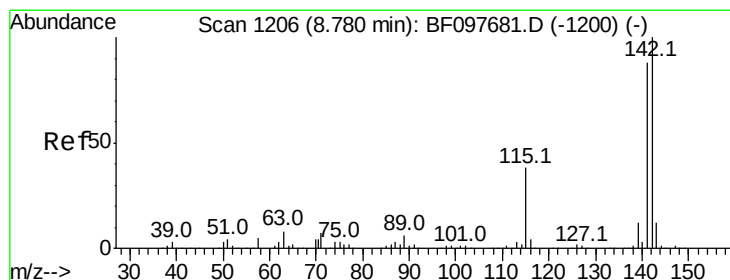
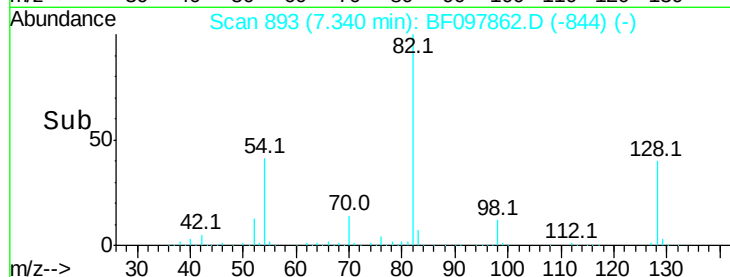
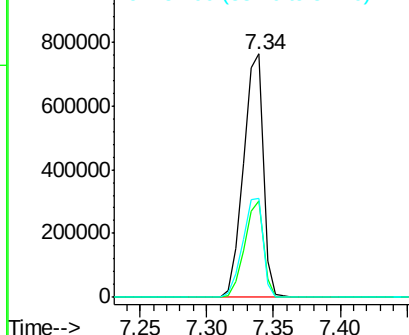
Tot Ion	Ratio	Lower	Upper
82	100		
128	39.7	34.0	51.0
54	40.7	42.2	63.2

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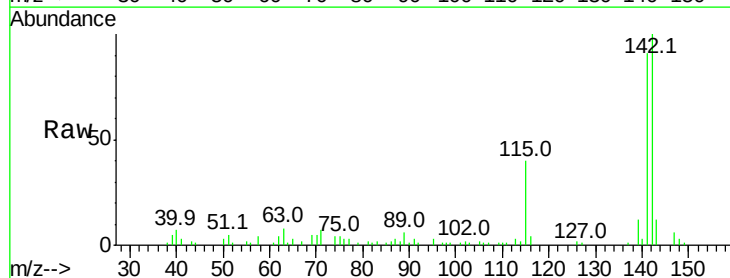


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

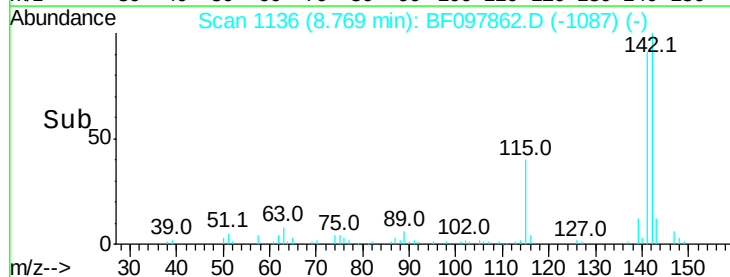
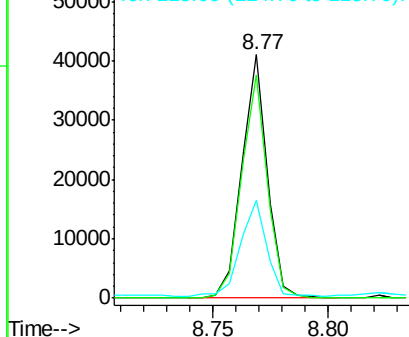


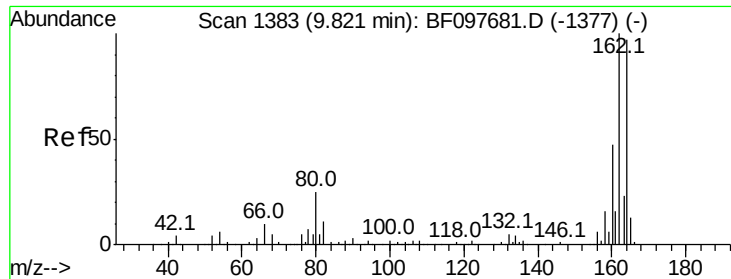
#37
2-Methylnaphthalene
Concen: 2.164 ng
RT: 8.77 min Scan# 1136
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.3	106.9
115	40.0	27.1	40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





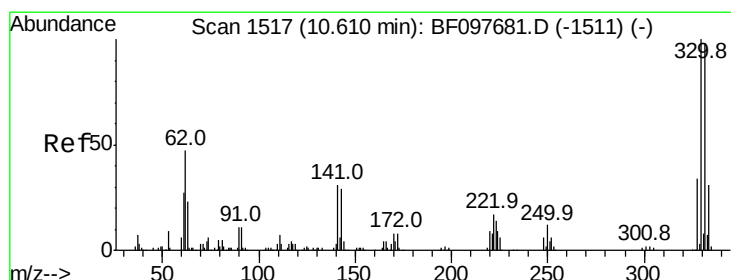
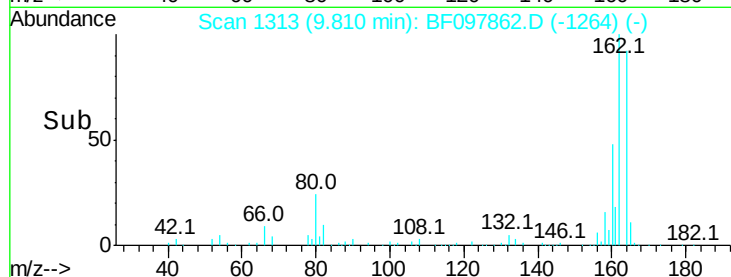
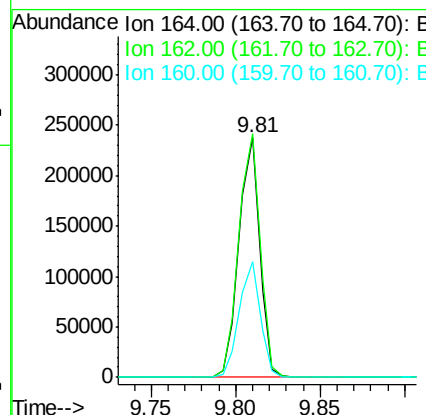
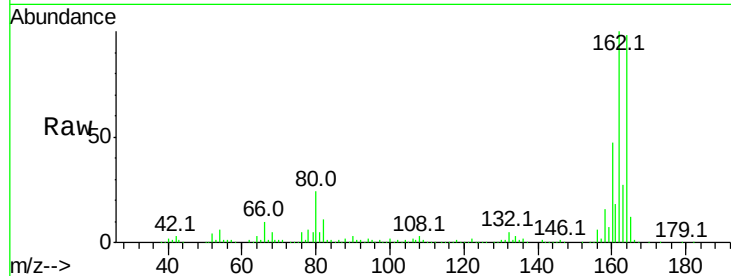
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-J7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
164	100	202968		
162	101.8	82.6	123.8	
160	48.1	36.2	54.2	

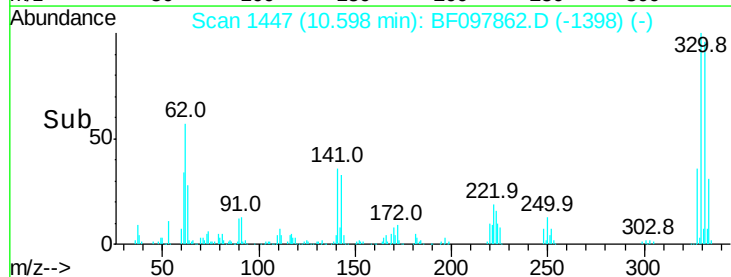
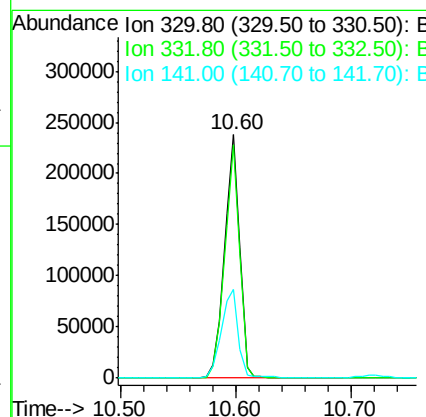
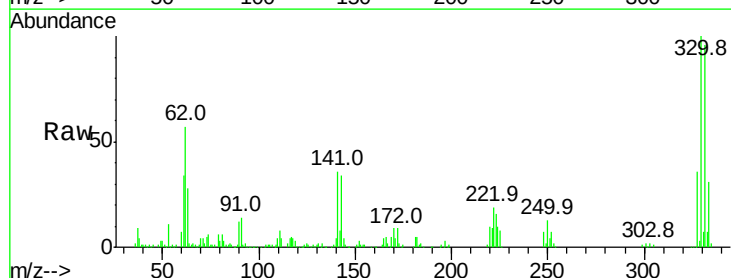
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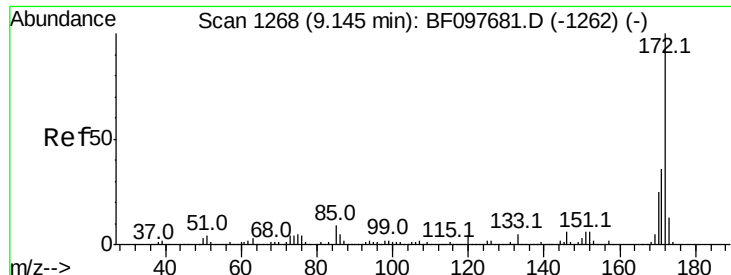
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#41
2,4,6-Tribromophenol
Concen: 123.278 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	217102		
332	94.6	76.6	115.0	
141	40.3	31.4	47.2	





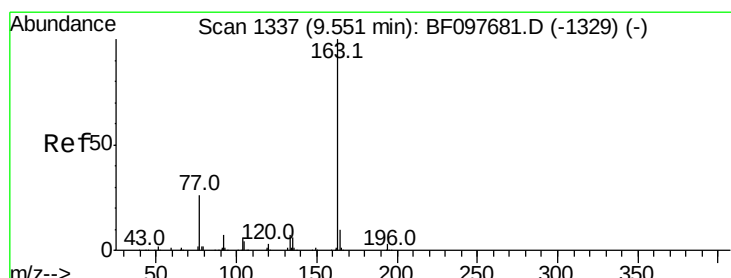
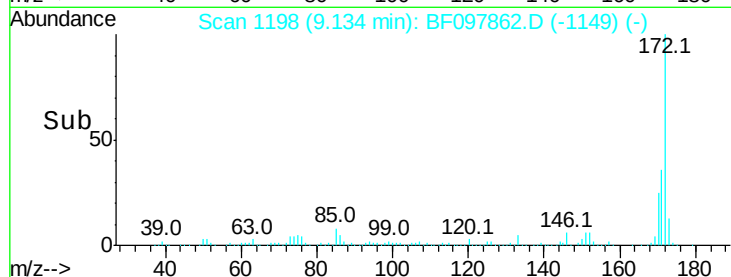
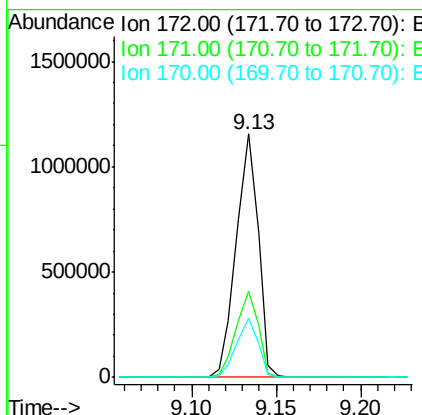
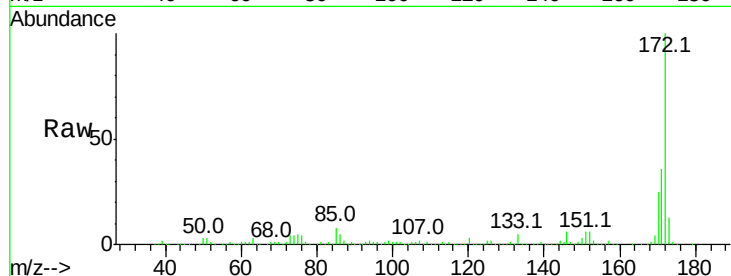
#44
 2-Fluorobiphenyl
 Concen: 76.010 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097862.D
 Acq: 19 Aug 2017 5:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-J7-WSW

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.6	19.8	29.8

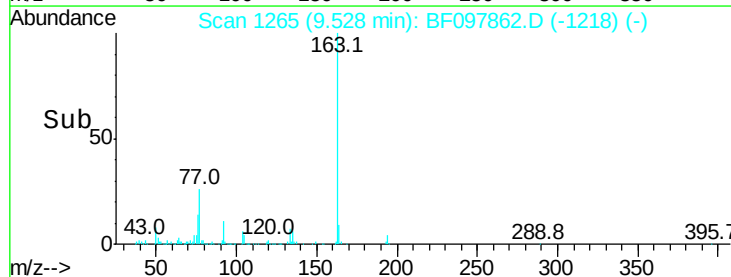
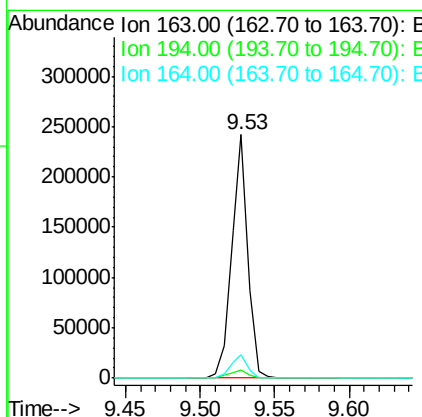
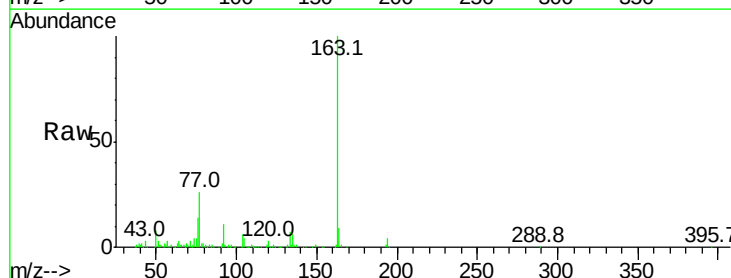
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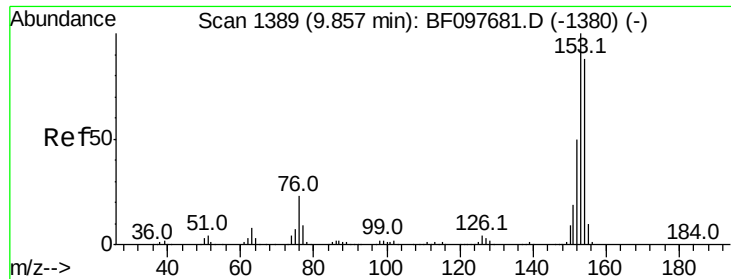
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#49
 Dimethylphthalate
 Concen: 12.451 ng
 RT: 9.53 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BF097862.D
 Acq: 19 Aug 2017 5:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.4	8.4	12.6





#51

Acenaphthene

Concen: 4.586 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF097862.D

Acq: 19 Aug 2017 5:04

Instrument :

BNA_F

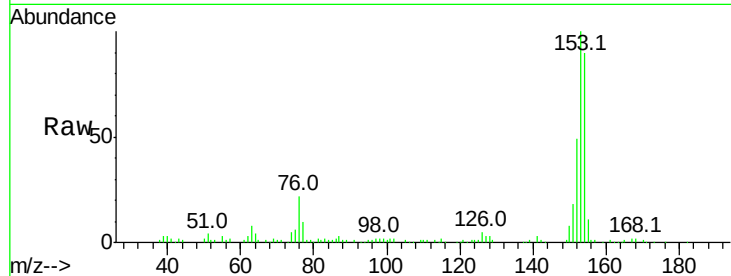
ClientSampleId :

E2-J7-WSW

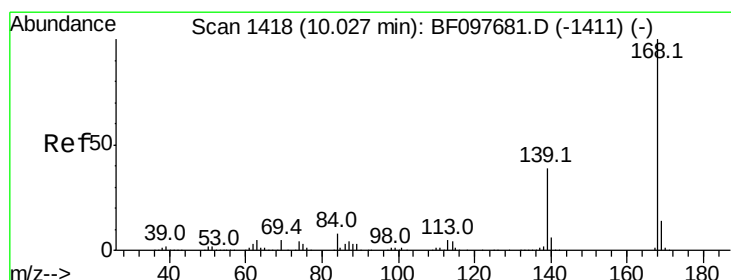
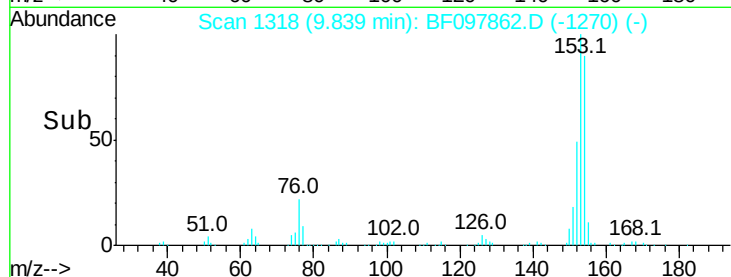
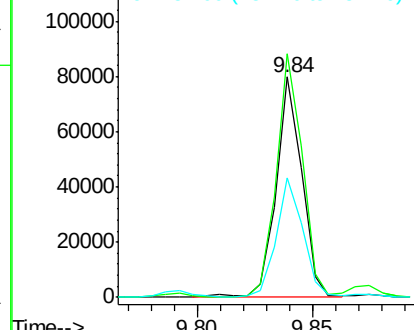
Tot Ion:	154	Resp:	62111
Ion Ratio	Lower	Upper	
154	100		
153	110.7	90.5	135.7
152	54.4	43.6	65.4

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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: 2.540 ng

RT: 10.01 min Scan# 1347

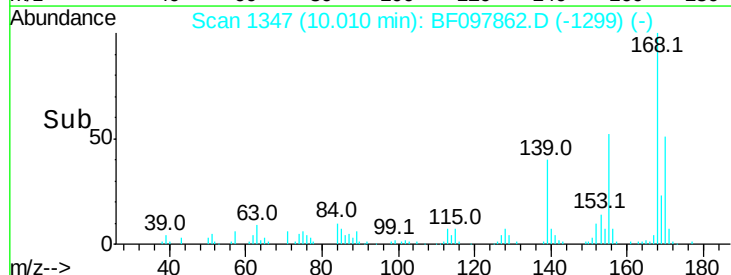
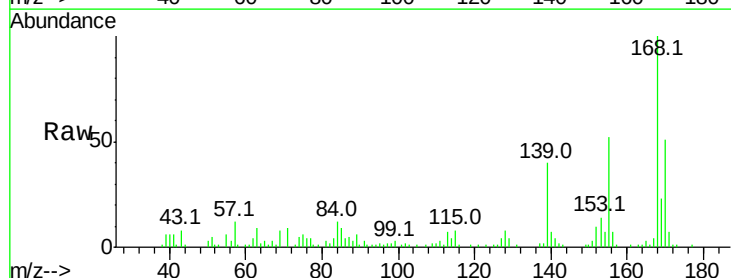
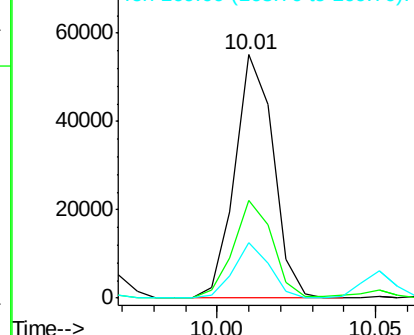
Delta R.T. -0.02 min

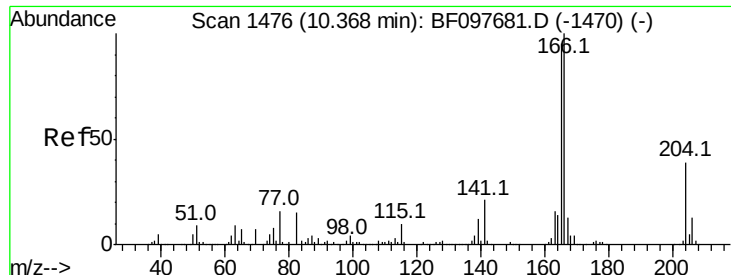
Lab File: BF097862.D

Acq: 19 Aug 2017 5:04

Tgt Ion:	168	Resp:	46114
Ion Ratio	Lower	Upper	
168	100		
139	40.2	30.6	45.8
169	22.9	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: 4.722 ng

RT: 10.35 min Scan# 1405

Delta R.T. -0.02 min

Lab File: BF097862.D

Acq: 19 Aug 2017 5:04

Instrument :

BNA_F

ClientSampled :

E2-J7-WSW

Tot Ion:166 Resp: 66272

Ion Ratio Lower Upper

166 100

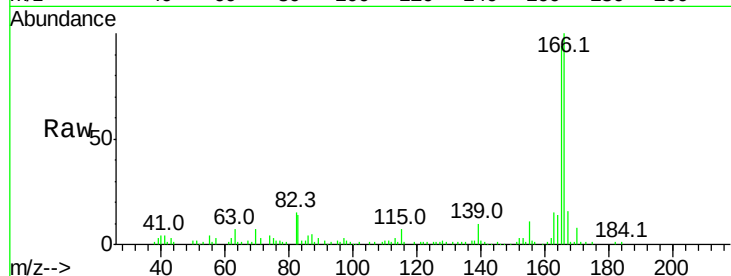
165 94.3 78.8 118.2

167 15.7 10.6 16.0

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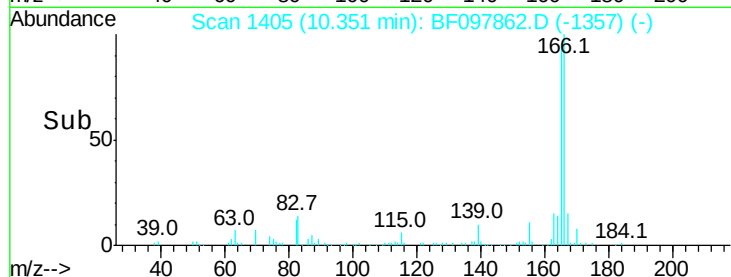


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

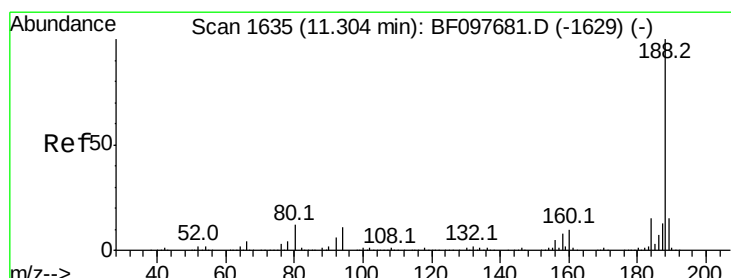
Ion 167.00 (166.70 to 167.70): E

Time-->



10.35

Time-->



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF097862.D

Acq: 19 Aug 2017 5:04

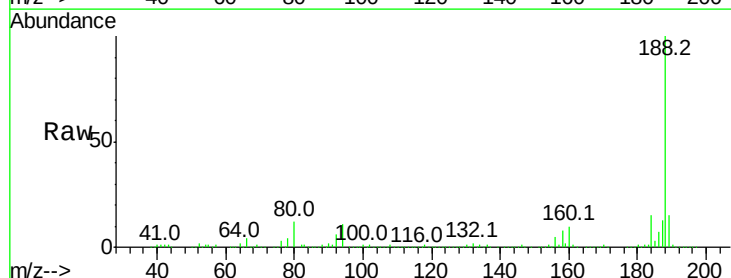
Tgt Ion:188 Resp: 365958

Ion Ratio Lower Upper

188 100

94 11.1 9.4 14.2

80 11.9 10.2 15.2

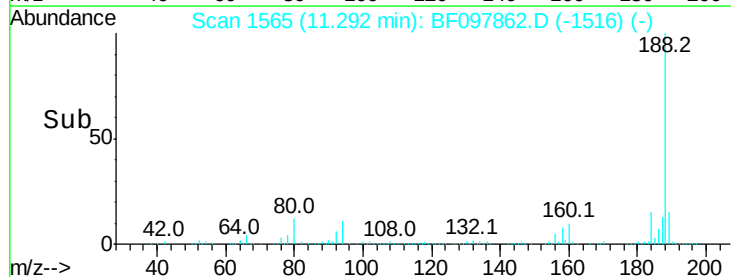


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

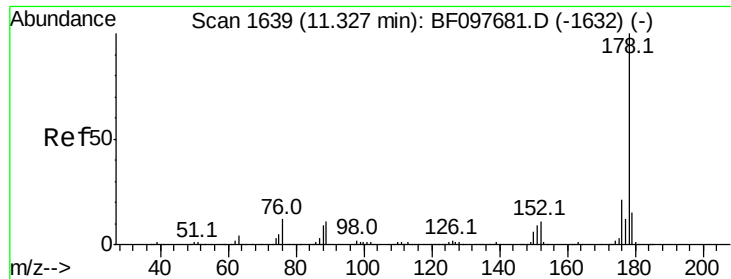
Ion 80.00 (79.70 to 80.70): BF0

Time-->



11.29

Time-->



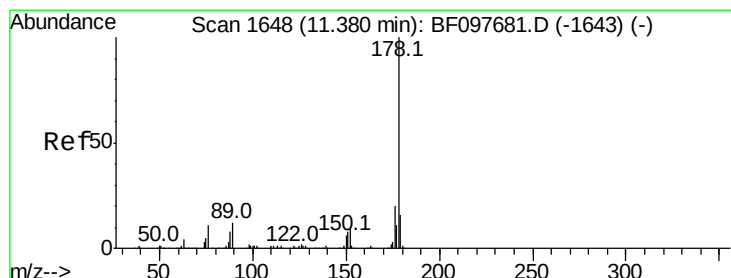
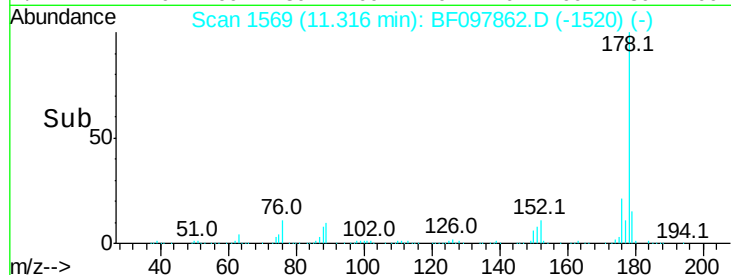
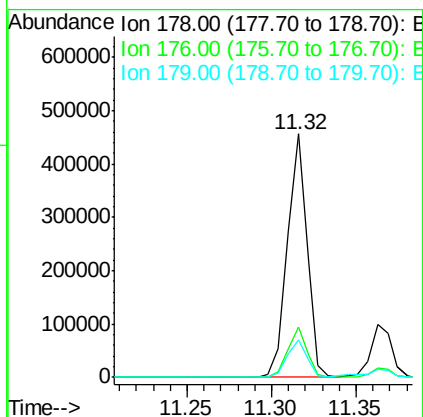
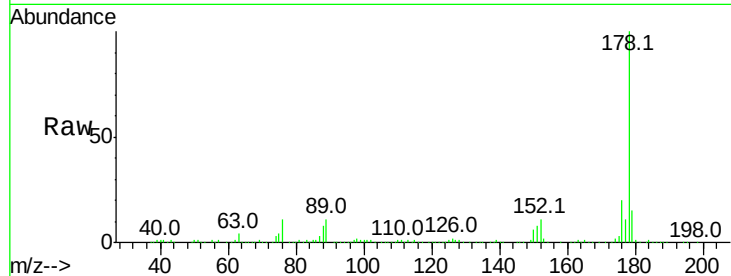
#70
Phenanthrene
Concen: 18.714 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-J7-WSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.2	24.4
179	15.5	12.6	19.0

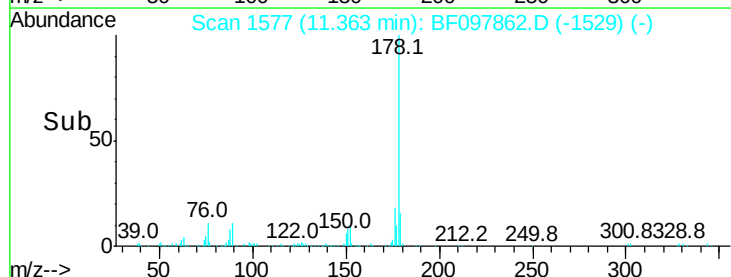
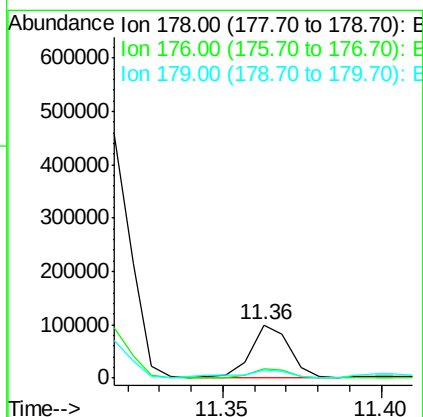
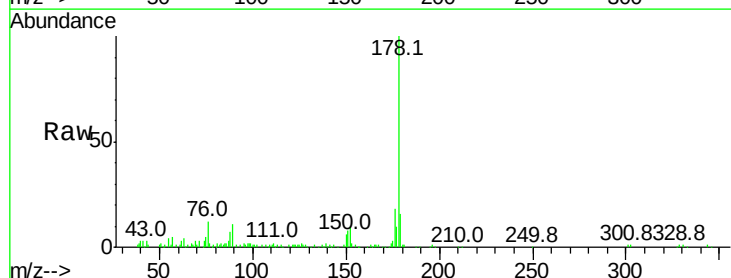
Manual Integrations
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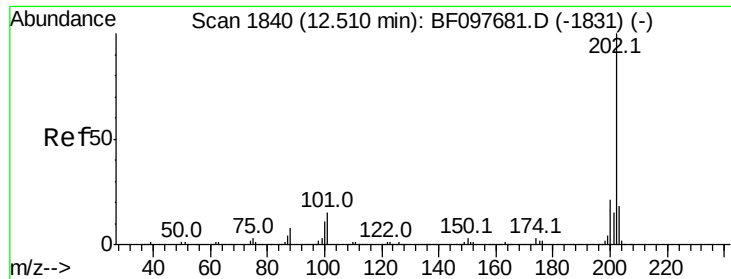
Sohil
8/21/2017 6:18:55 AM



#71
Anthracene
Concen: 4.232 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.6	12.7	19.1





#74

Fluoranthene

Concen: 16.984 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097862.D

Acq: 19 Aug 2017 5:04

Instrument :

BNA_F

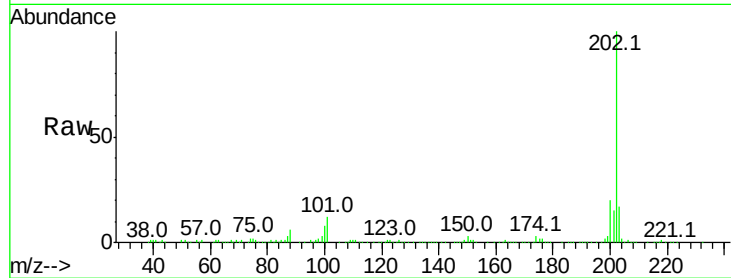
ClientSampled :

E2-J7-WSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	33.2
203	17.3	0.0	38.1

Manual Integrations
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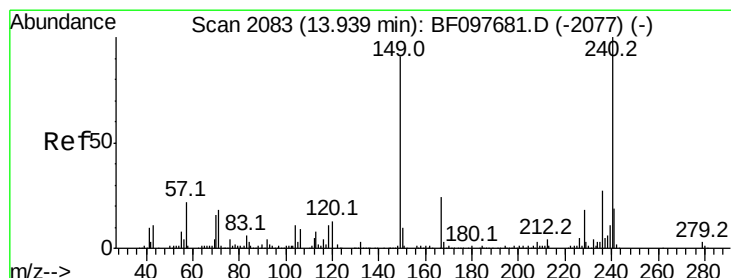
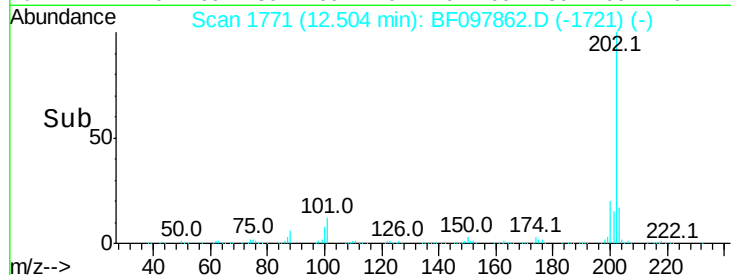
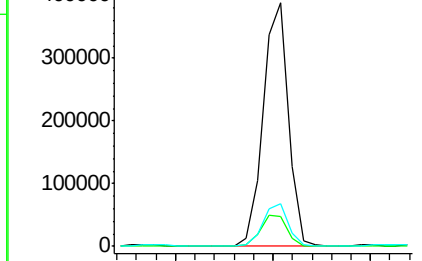
Sohil
8/21/2017 6:18:55 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF097862.D

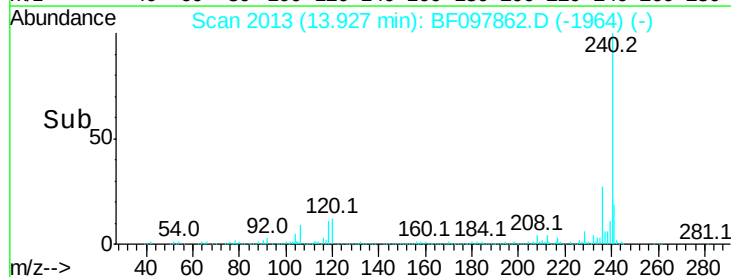
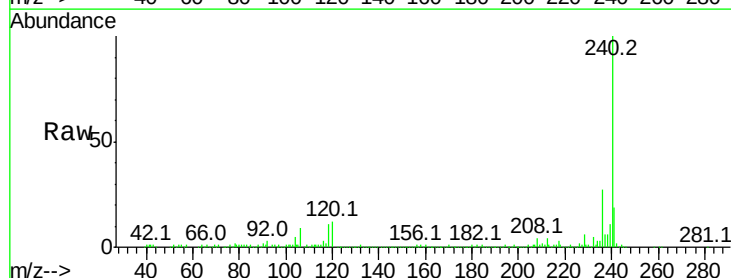
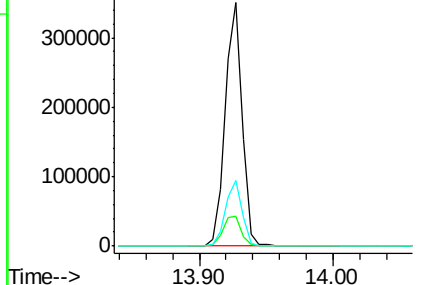
Acq: 19 Aug 2017 5:04

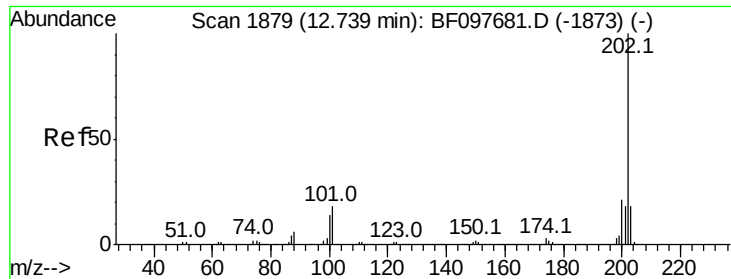
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.4	5.8	8.8#
236	26.9	20.5	30.7

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

Pvrene

Concen: 12.359 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF097862.D

Acq: 19 Aug 2017 5:04

Instrument :

BNA_F

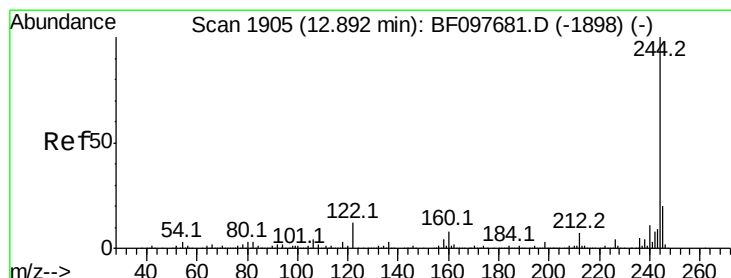
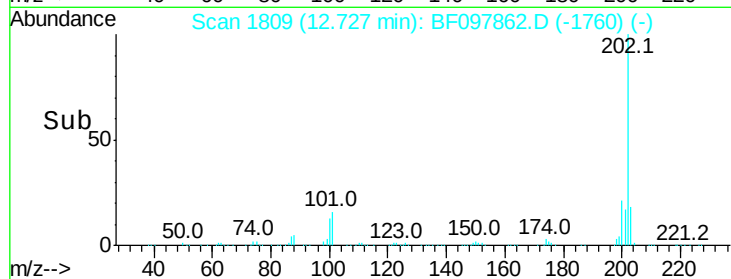
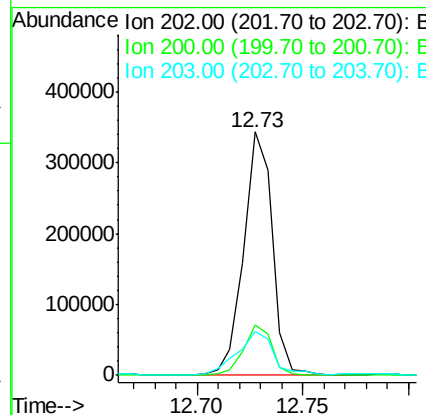
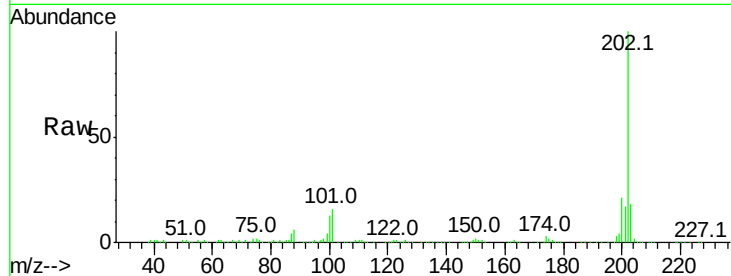
ClientSampleId :

E2-J7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.7	17.6	26.4	
203	18.1	14.4	21.6	

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#78

Terphenyl-d14

Concen: 54.636 ng

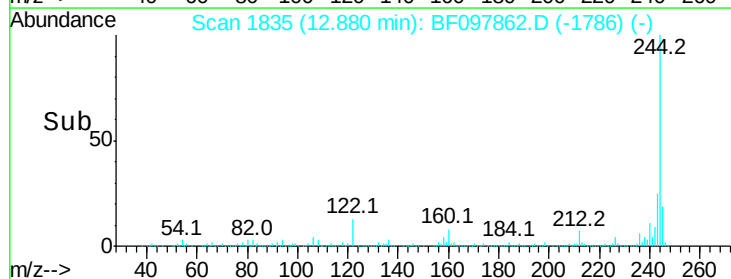
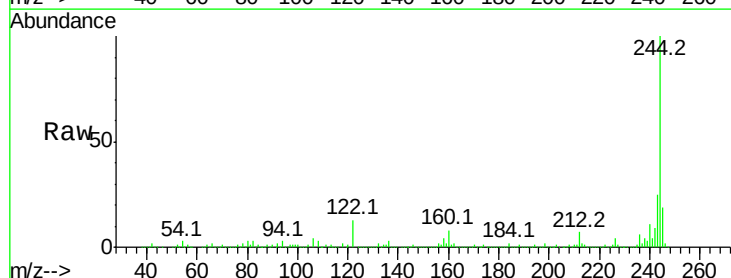
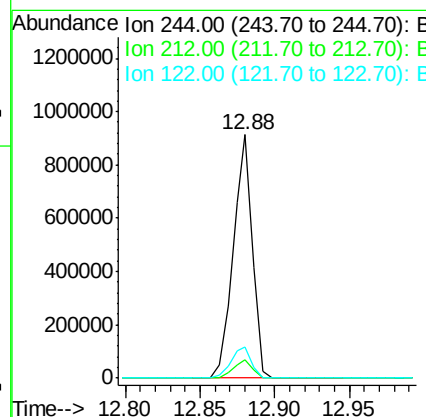
RT: 12.88 min Scan# 1835

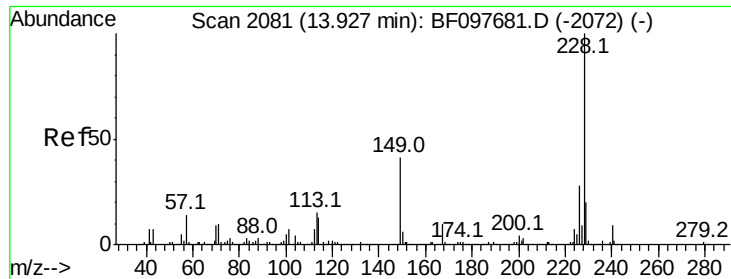
Delta R.T. -0.01 min

Lab File: BF097862.D

Acq: 19 Aug 2017 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.5	6.0	9.0	
122	12.7	10.3	15.5	





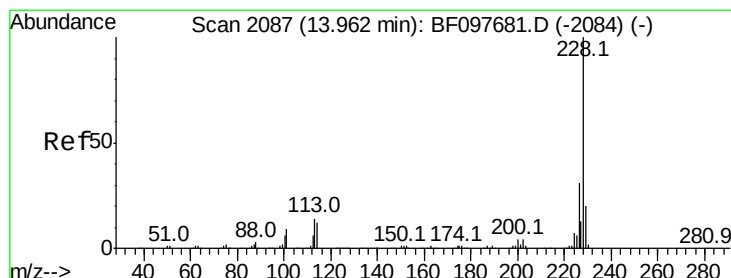
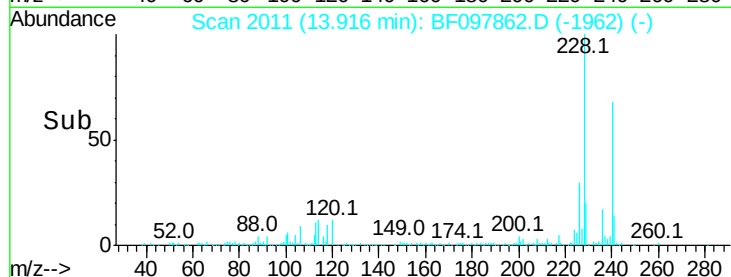
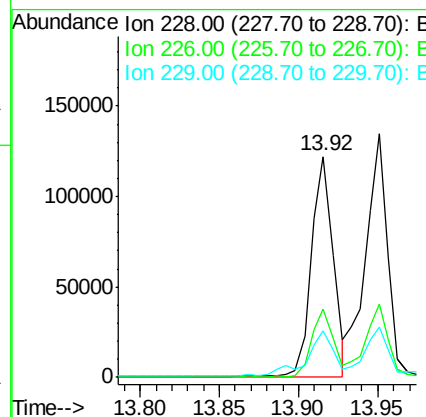
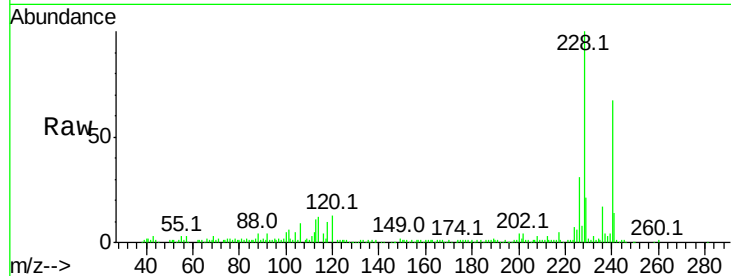
#80
Benzo(a)anthracene
Concen: 6.191 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-J7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
228	100	117380		
226	30.8	22.6	33.8	
229	20.9	16.3	24.5	

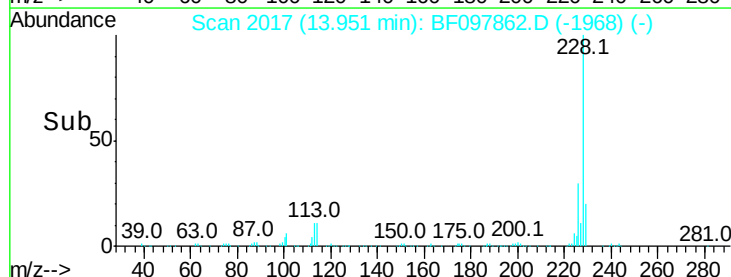
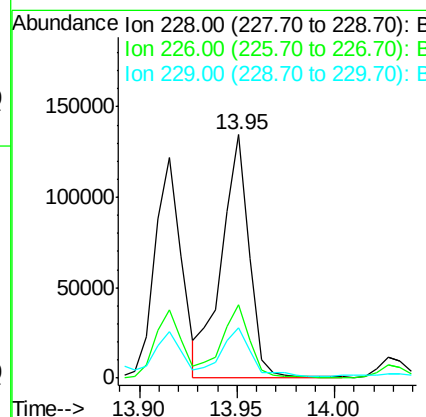
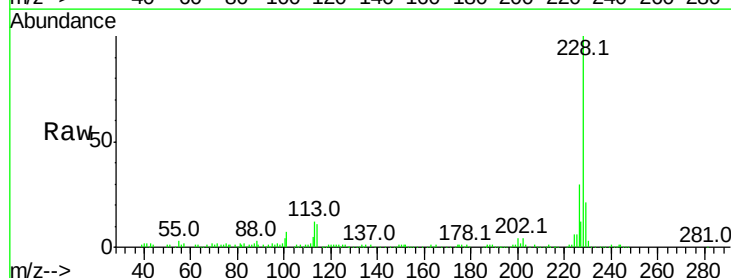
Manual Integrations
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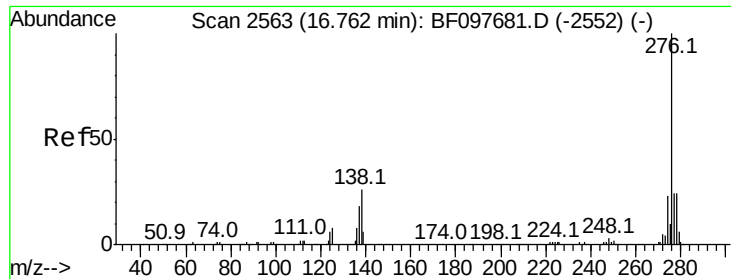
Sohil
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#82
Chrysene
Concen: 6.987 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	131791		
226	30.3	24.9	37.3	
229	20.9	15.8	23.6	





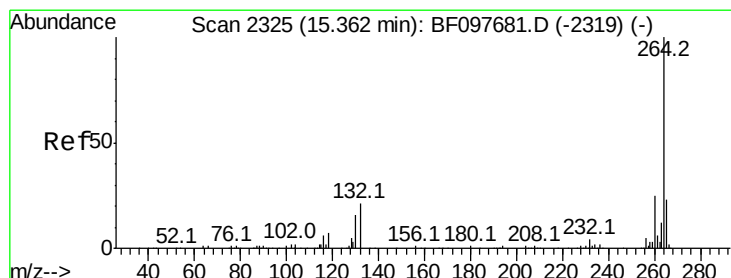
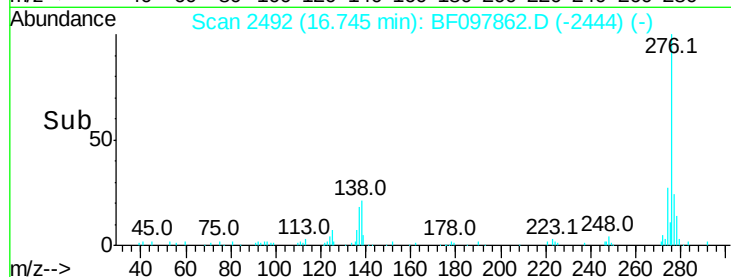
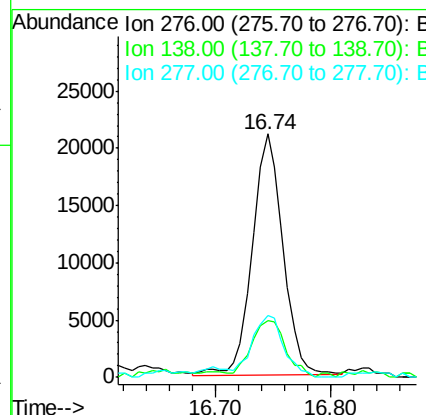
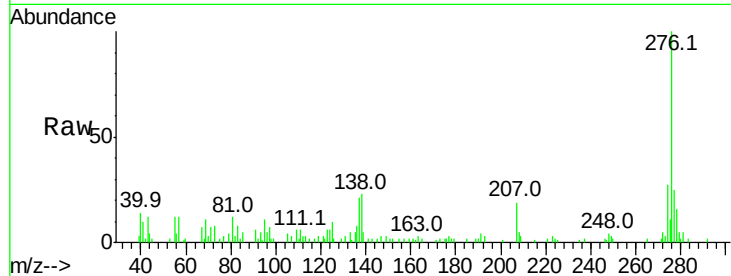
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.838 ng
RT: 16.74 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-J7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
276	100	39381		
138	26.5	27.8	41.6	#
277	26.5	20.2	30.4	

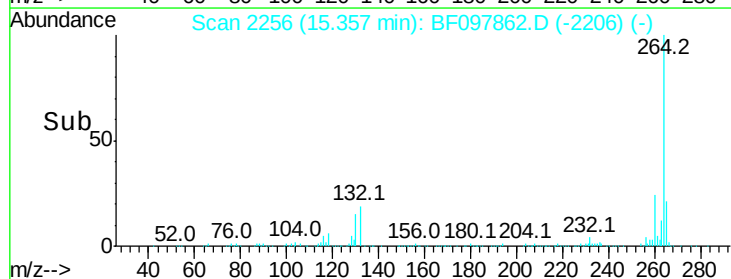
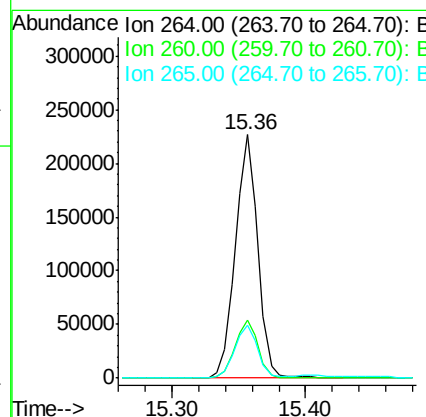
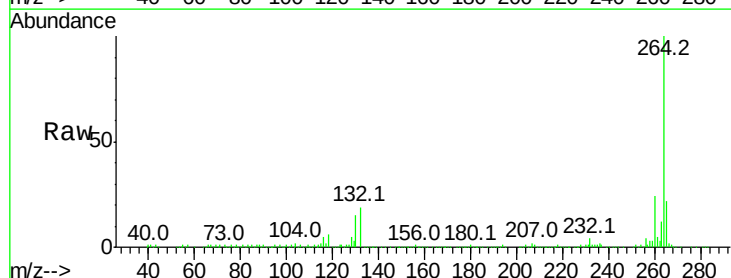
Manual Integrations
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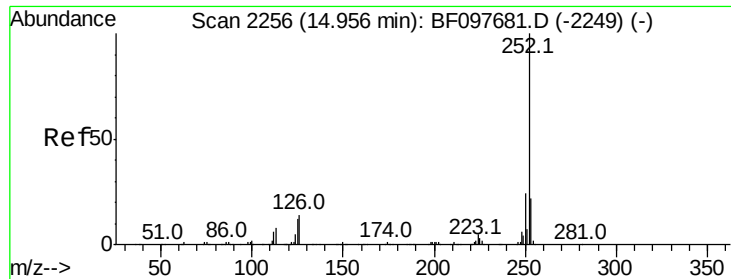
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	268545		
260	24.1	19.5	29.3	
265	21.6	17.2	25.8	





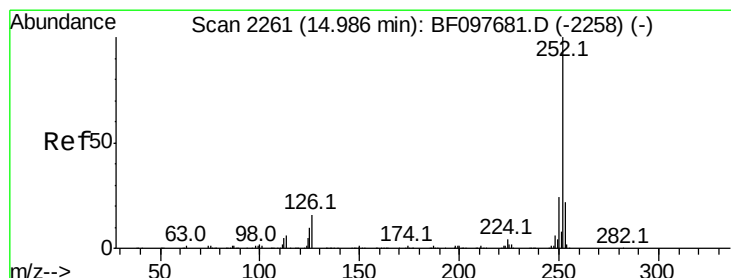
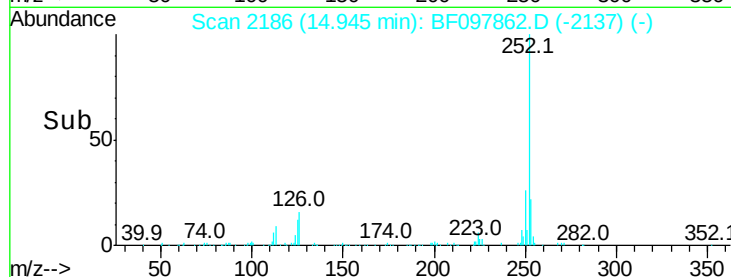
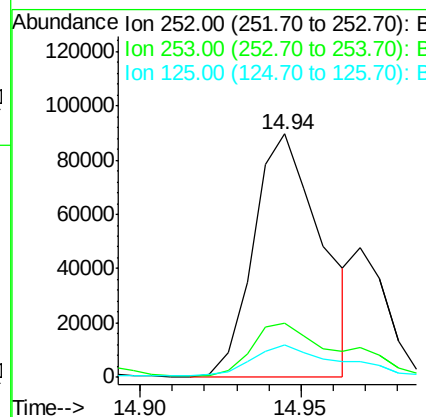
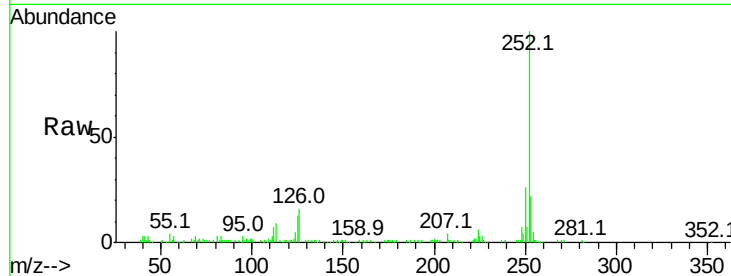
#87
Benzo(b)fluoranthene
Concen: 7.731 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-J7-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	13.1	9.8	14.8

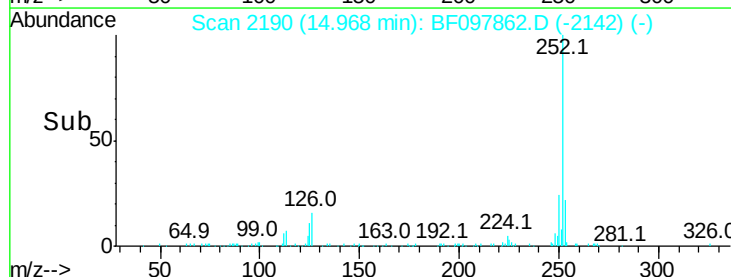
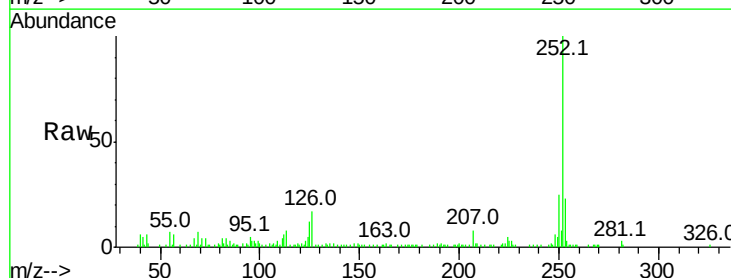
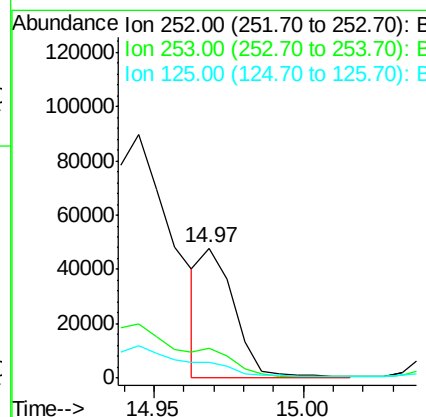
Manual Integrations
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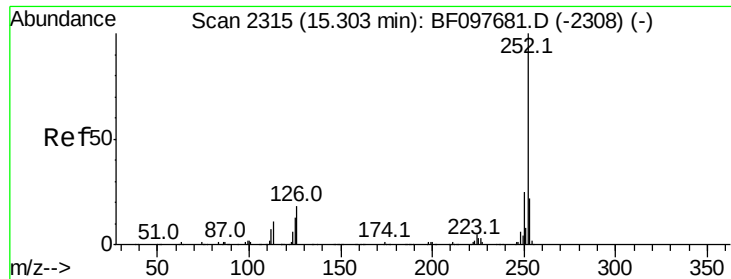
Sohil
8/21/2017 6:18:55 AM



#88
Benzo(k)fluoranthene
Concen: 2.333 ng m
RT: 14.97 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	12.5	13.1	19.7#





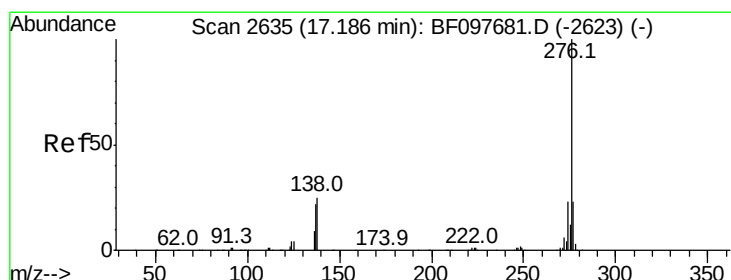
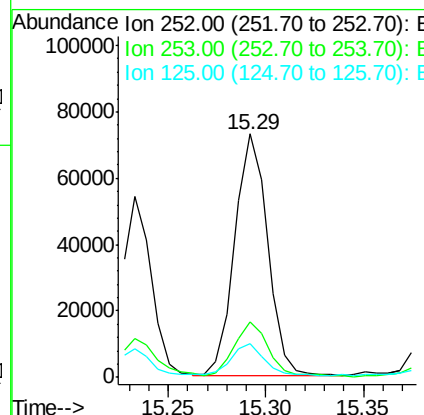
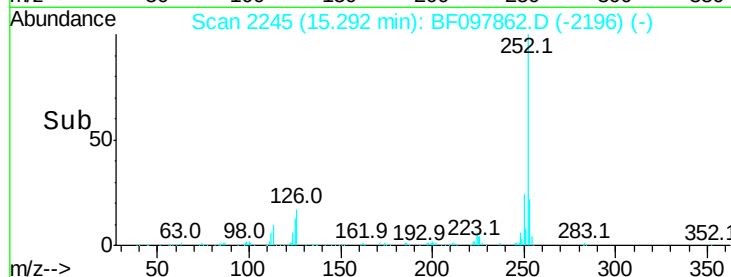
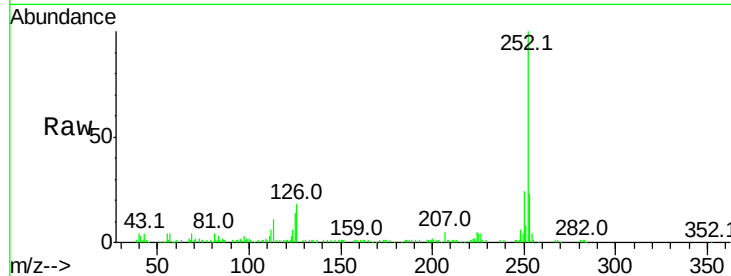
#89
Benzo(a)pyrene
Concen: 5.690 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Instrument :
BNA_F
ClientSampleId :
E2-J7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
252	100	85260		
253	22.9		17.5	26.3
125	13.9		11.0	16.4

Manual Integrations
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8/21/2017 6:18:55 AM



#91
Benzo(g,h,i)perylene
Concen: 2.835 ng
RT: 17.16 min Scan# 2563
Delta R.T. -0.02 min
Lab File: BF097862.D
Acq: 19 Aug 2017 5:04

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	36085		
277	23.3		18.6	28.0
138	25.7		25.4	38.0

