

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097754.D
 Acq On : 16 Aug 2017 22:25
 Operator : SJ/JU
 Sample : I4739-04 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-4

Manual Integrations
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 8/17/2017 5:57:55 PM

Quant Time: Aug 17 14:31:59 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	6.78	152	163293	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	625417	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	258694	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	397618	20.00	ng	0.00
75) Chrysene-d12	13.93	240	299050	20.00	ng	0.00
86) Perylene-d12	15.37	264	264385	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	200745	18.70	ng	-0.01
7) Phenol-d6	6.40	99	271366	18.60	ng	-0.01
23) Nitrobenzene-d5	7.34	82	160774	13.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	33188	14.79	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	238597	13.55	ng	0.00
78) Terphenyl-d14	12.88	244	130672	9.11	ng	-0.01
Target Compounds						
70) Phenanthrene	11.32	178	369355	17.432	ng	98
71) Anthracene	11.37	178	90716	4.221	ng	97
74) Fluoranthene	12.51	202	543681	24.584	ng	98
77) Pyrene	12.74	202	585150	23.924	ng	98
80) Benzo(a)anthracene	13.92	228	274771	15.330	ng	98
82) Chrysene	13.96	228	245600	13.775	ng	97
85) Indeno(1,2,3-cd)pyrene	16.76	276	95499m	7.281	ng	
87) Benzo(b)fluoranthene	14.96	252	277114m	16.628	ng	
88) Benzo(k)fluoranthene	14.98	252	102851m	6.569	ng	
89) Benzo(a)pyrene	15.30	252	219674	14.890	ng	98
90) Dibenzo(a,h)anthracene	16.77	278	25742	2.143	ng	93
91) Benzo(a,h,i)perylene	17.17	276	93973	7.498	ng	93

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

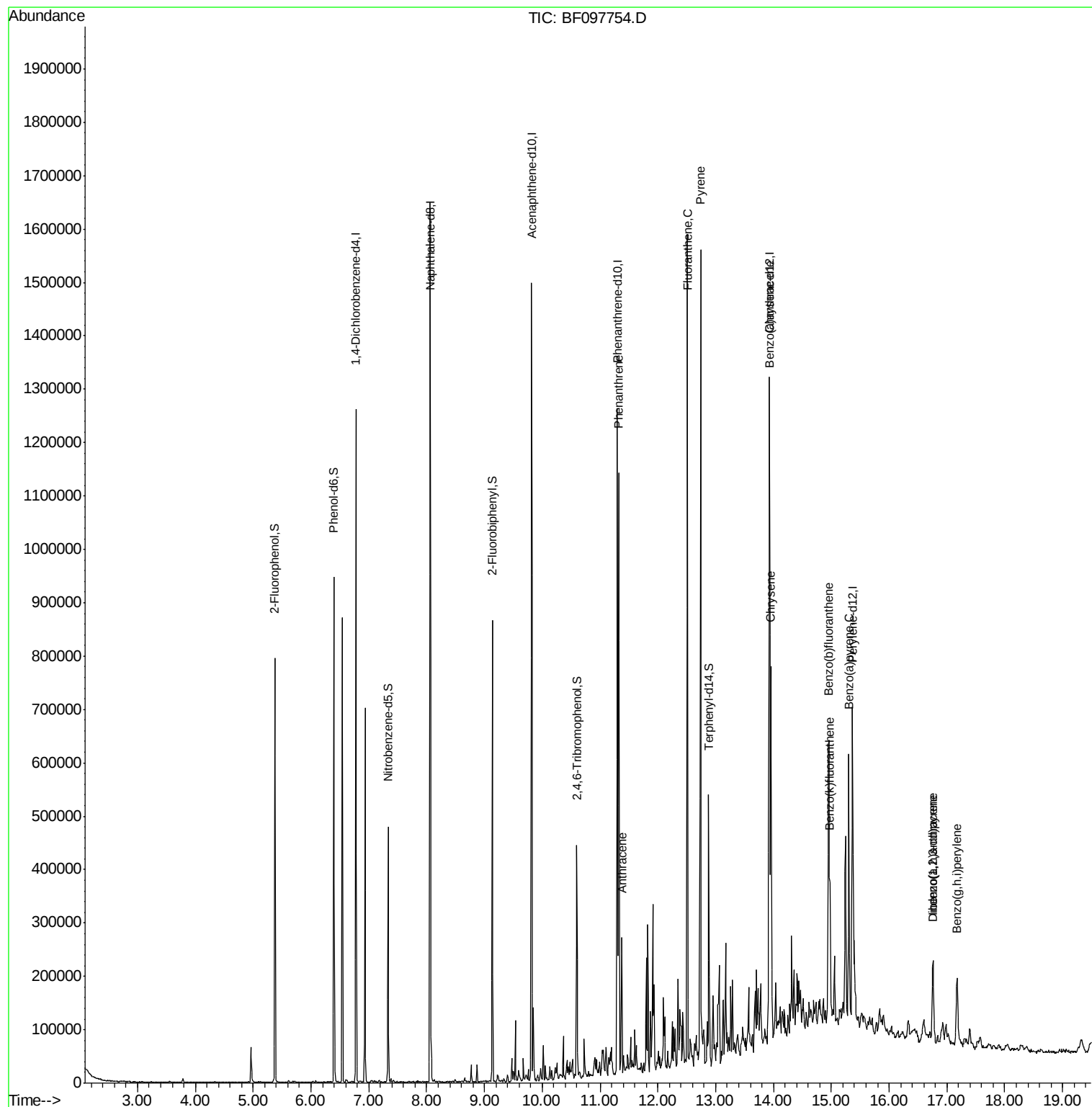
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
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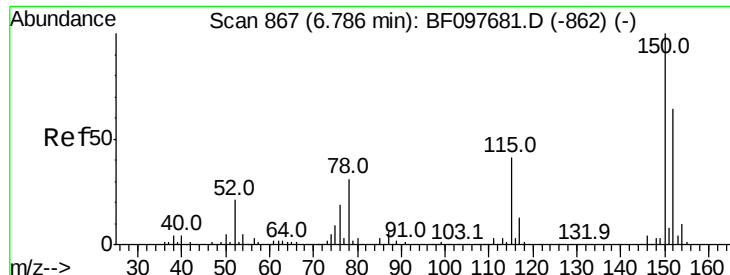
Instrument :
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S11-WC-4

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

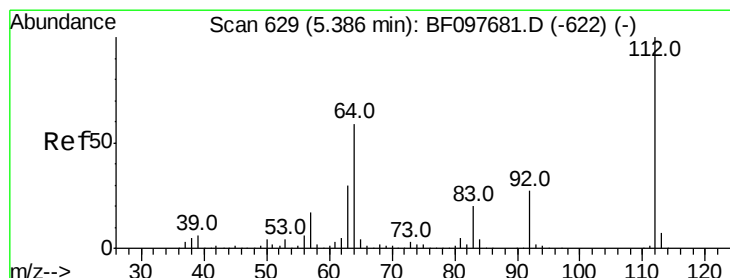
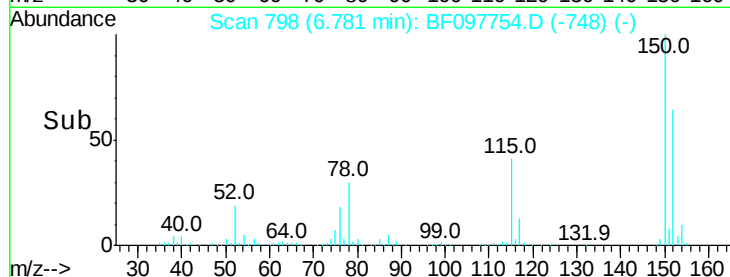
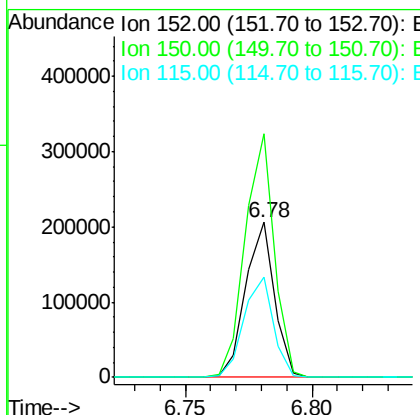
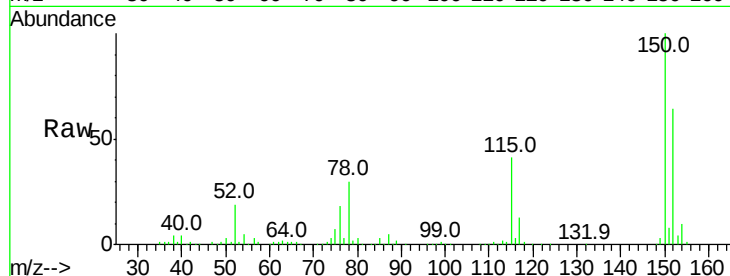
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.78 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF097754.D
 Acq: 16 Aug 2017 22:25

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	65.1	52.2	78.2

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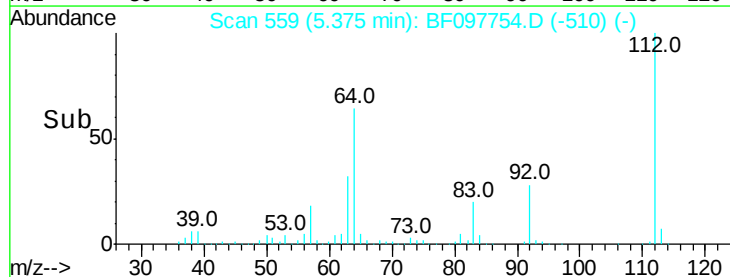
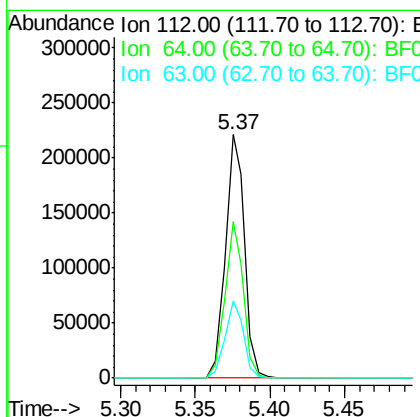
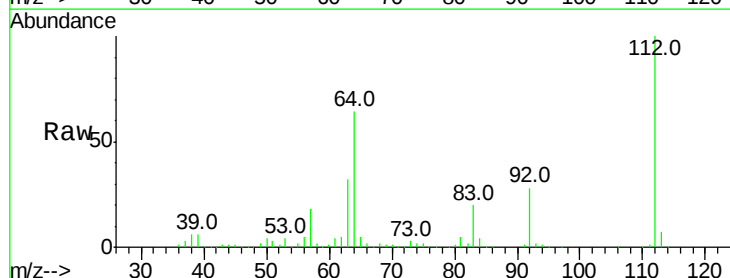
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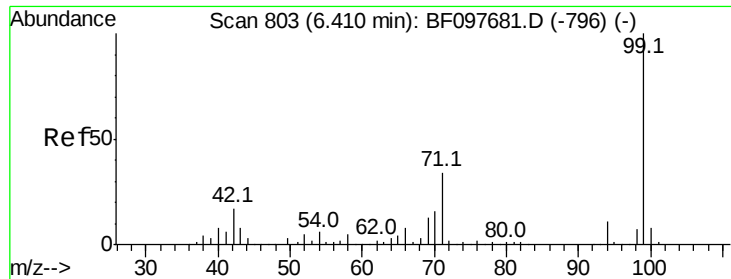


#5

2-Fluorophenol
 Concen: 18.699 ng
 RT: 5.37 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: BF097754.D
 Acq: 16 Aug 2017 22:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	46.0	69.0
63	31.9	23.4	35.0





#7

Phenol-d6

Concen: 18.604 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097754.D

Acq: 16 Aug 2017 22:25

Instrument :

BNA_F

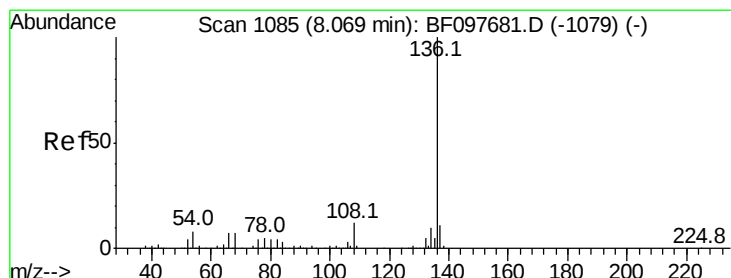
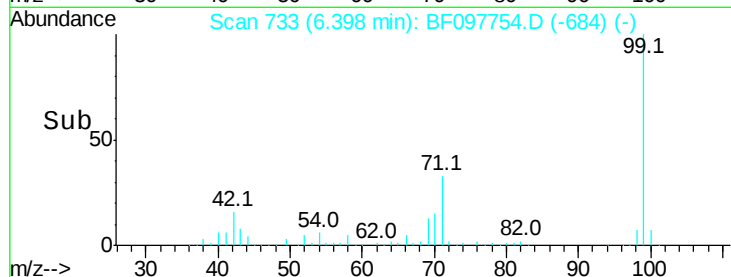
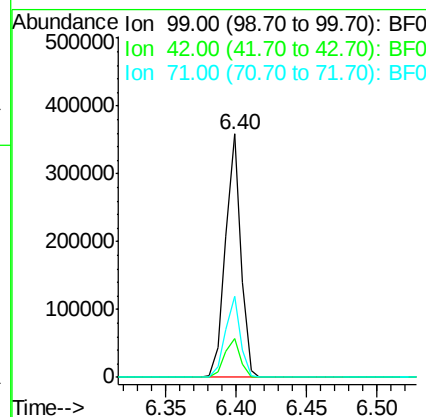
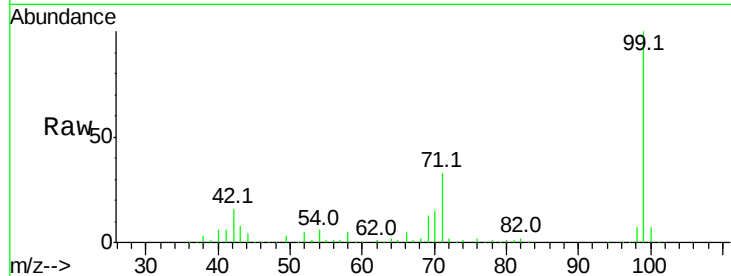
ClientSampleId :

S11-WC-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		271366		
42	15.7	13.5	20.3		
71	33.4	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

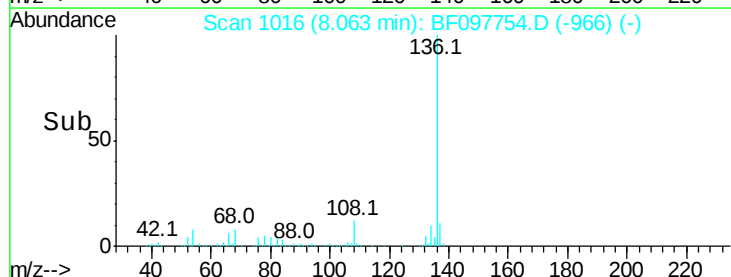
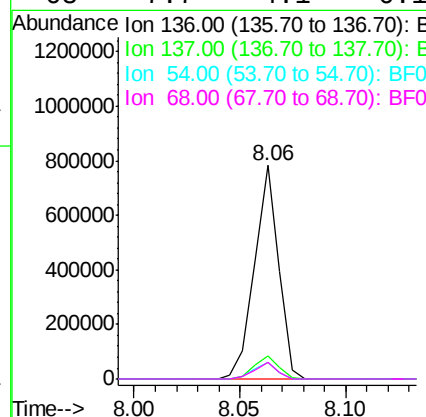
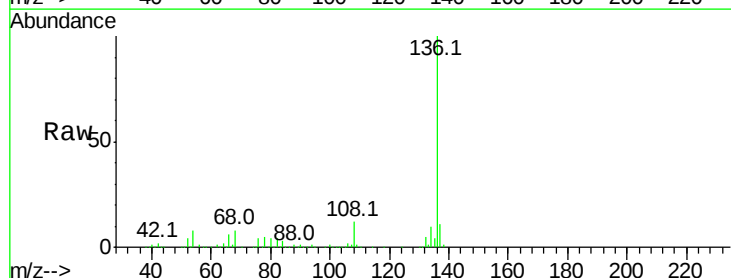
RT: 8.06 min Scan# 1016

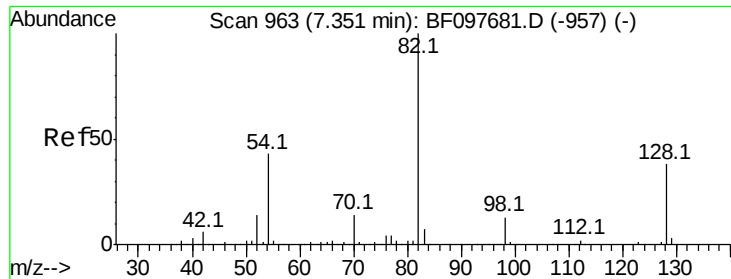
Delta R.T. -0.01 min

Lab File: BF097754.D

Acq: 16 Aug 2017 22:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		625417		
137	11.1	8.5	12.7		
54	7.7	4.9	7.3#		
68	7.7	4.1	6.1#		





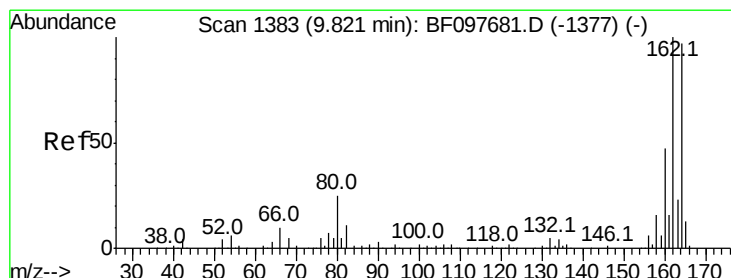
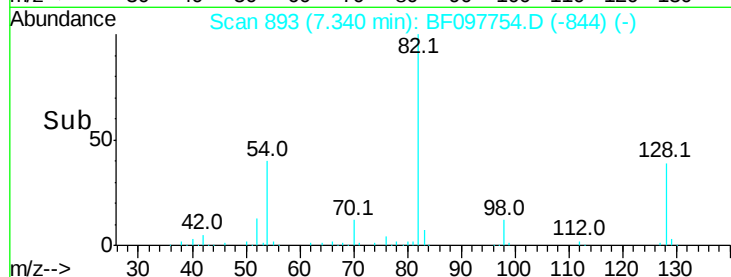
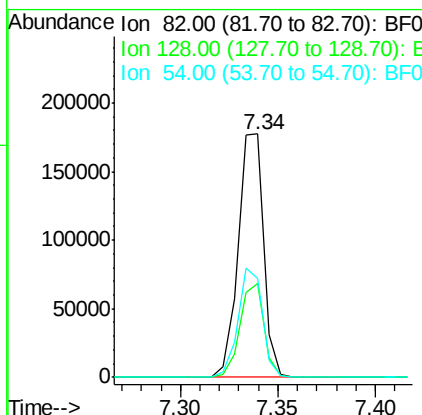
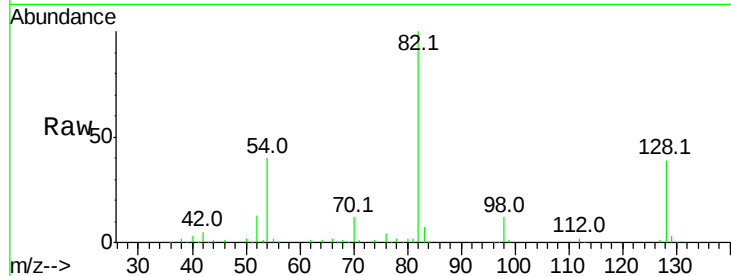
#23
 Nitrobenzene-d5
 Concen: 13.965 ng
 RT: 7.34 min Scan# 893
 Delta R.T. -0.01 min
 Lab File: BF097754.D
 Acq: 16 Aug 2017 22:25

Instrument :
 BNA_F
 ClientSampleId :
 S11-WC-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.5	34.0	51.0	
54	40.5	42.2	63.2	

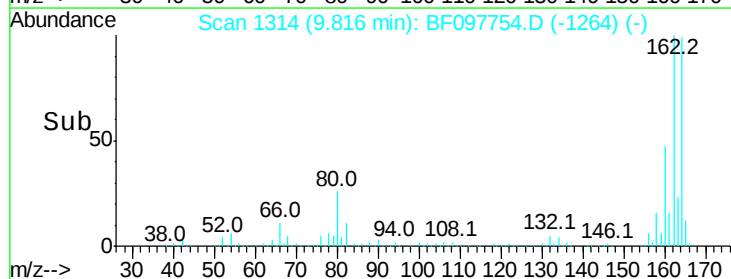
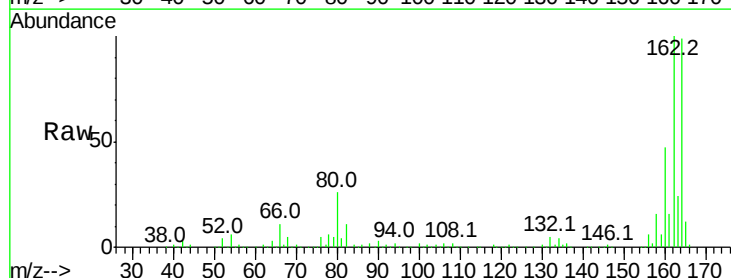
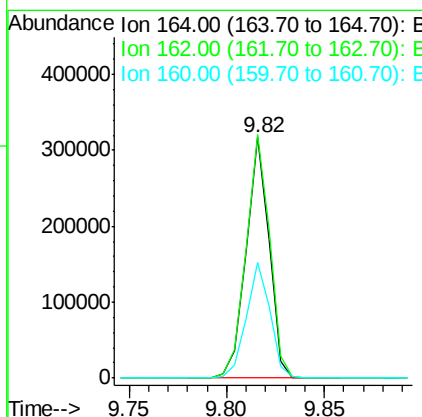
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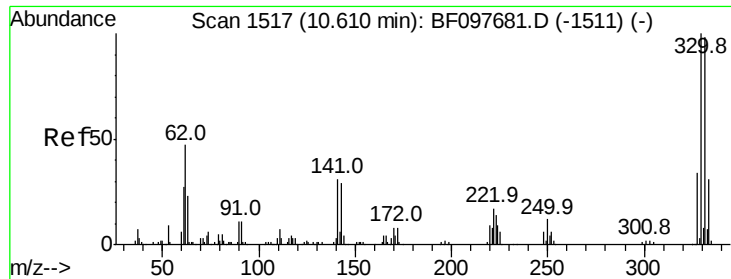
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097754.D
 Acq: 16 Aug 2017 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.2	82.6	123.8	
160	47.8	36.2	54.2	





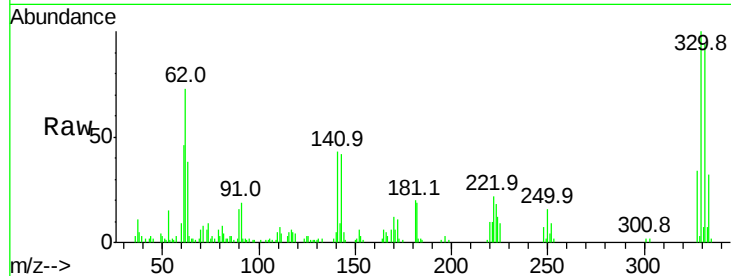
#41
 2,4,6-Tribromophenol
 Concen: 14.786 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097754.D
 Acq: 16 Aug 2017 22:25

Instrument :
 BNA_F
 ClientSampled :
 S11-WC-4

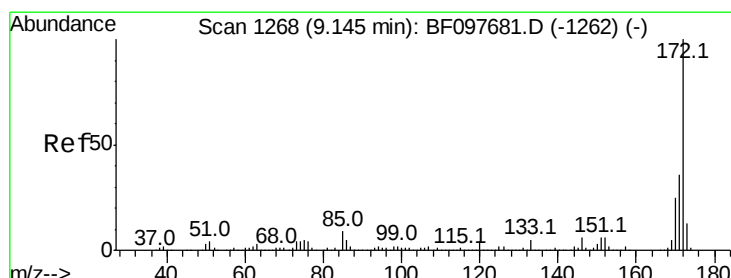
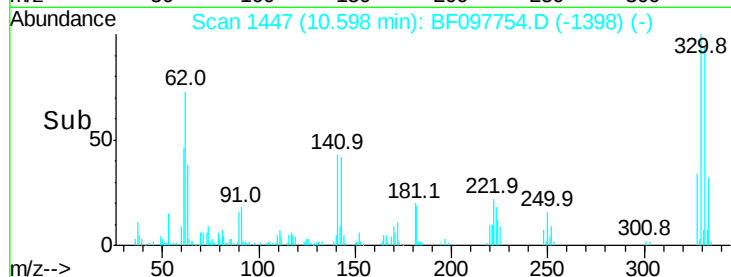
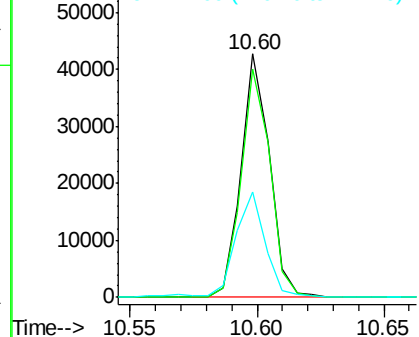
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	76.6	115.0	
141	45.2	31.4	47.2	

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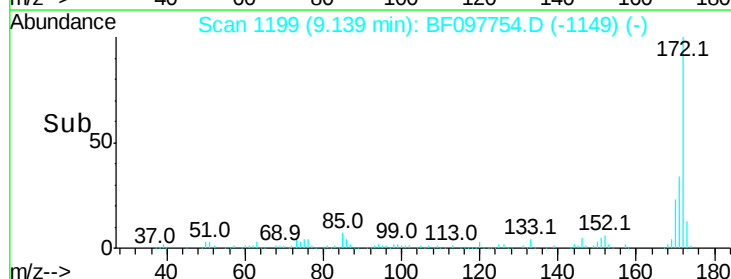
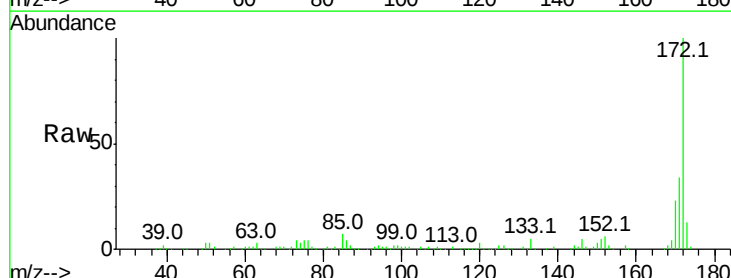
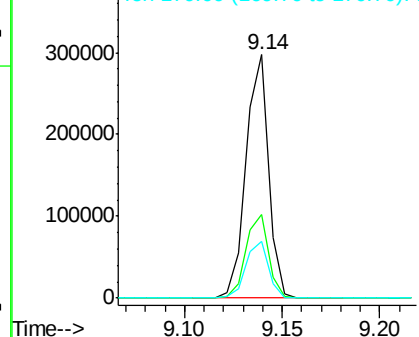
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

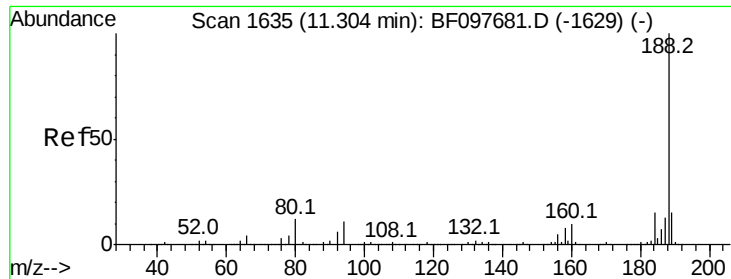


#44
 2-Fluorobiphenyl
 Concen: 13.551 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF097754.D
 Acq: 16 Aug 2017 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.1	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





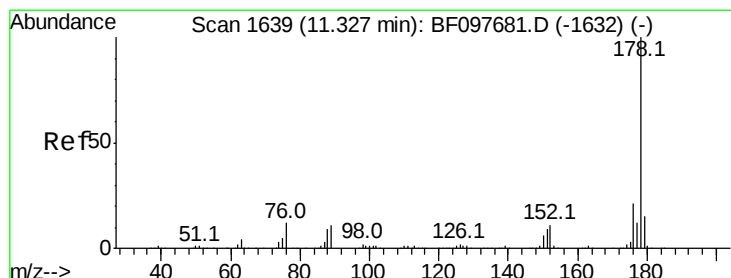
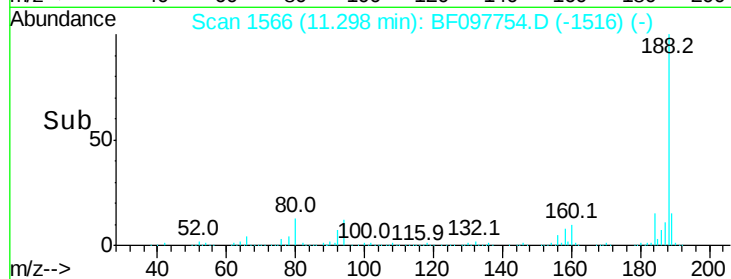
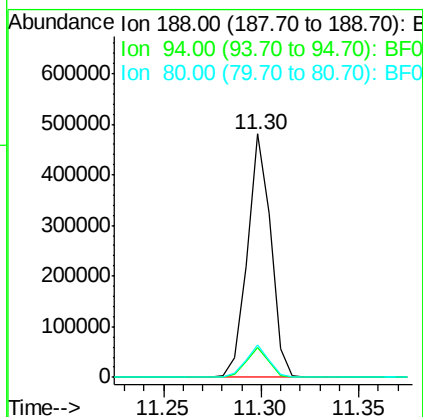
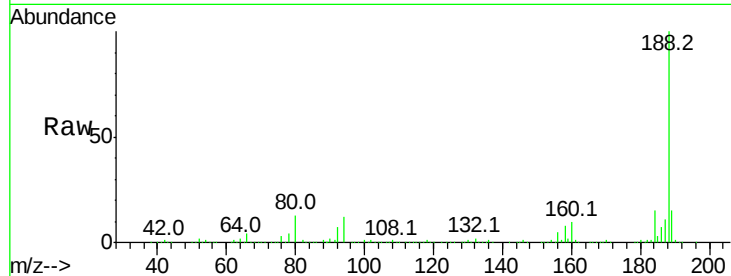
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097754.D
Acq: 16 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
S11-WC-4

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.1	9.4	14.2
80	13.4	10.2	15.2

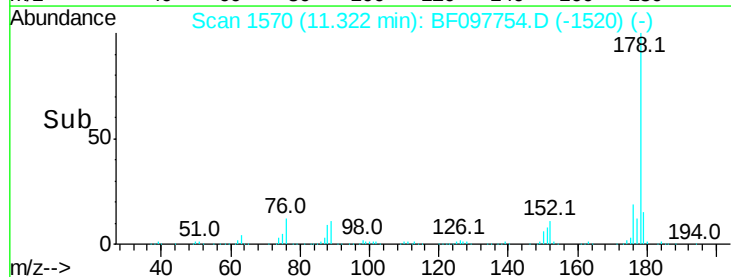
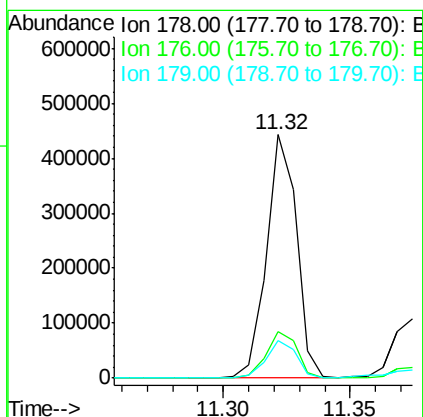
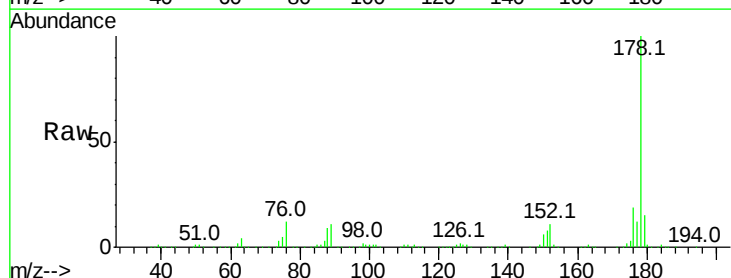
Manual Integrations
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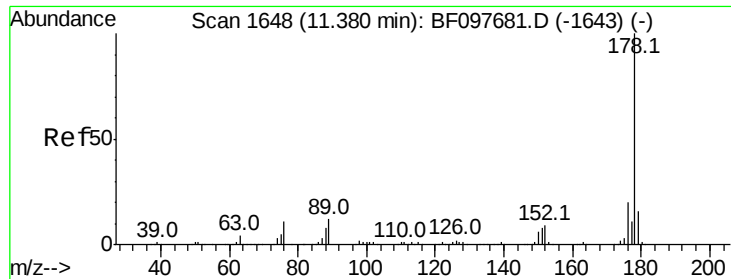
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#70
Phenanthrene
Concen: 17.432 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097754.D
Acq: 16 Aug 2017 22:25

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	16.2	24.4
179	15.3	12.6	19.0





#71

Anthracene

Concen: 4.221 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF097754.D

Acq: 16 Aug 2017 22:25

Instrument :

BNA_F

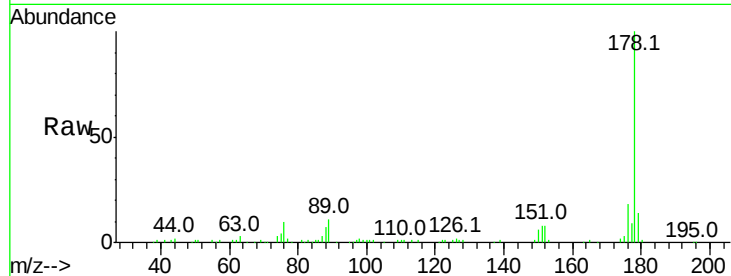
ClientSampled :

S11-WC-4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	14.3	12.7	19.1

Manual Integrations
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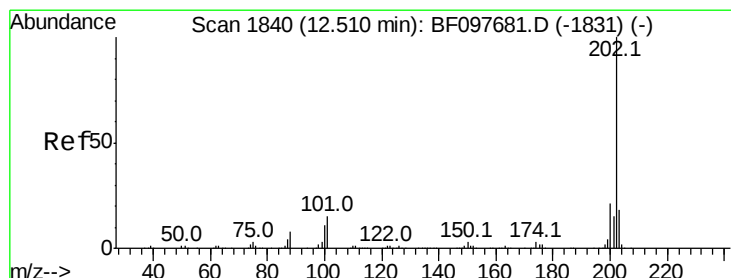
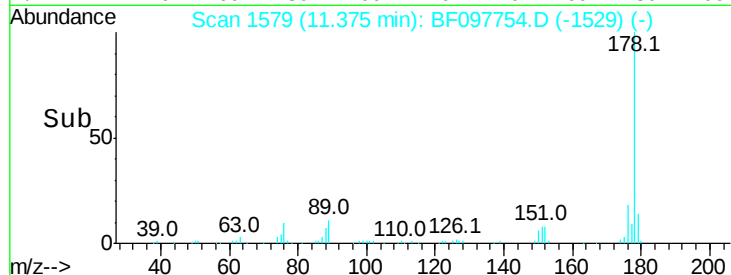
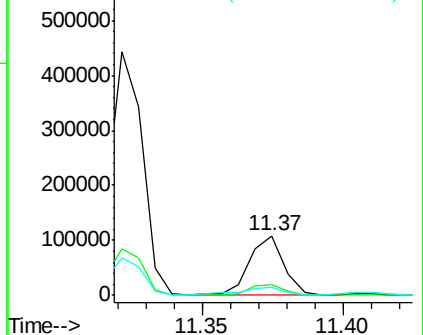
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 24.584 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097754.D

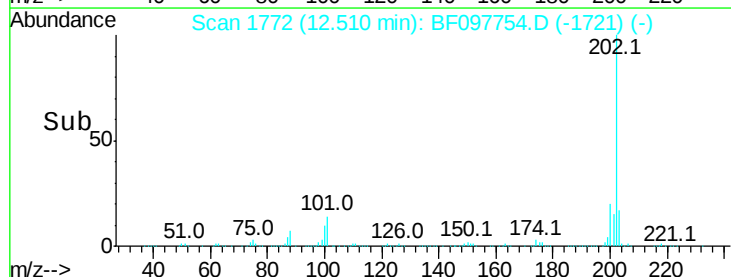
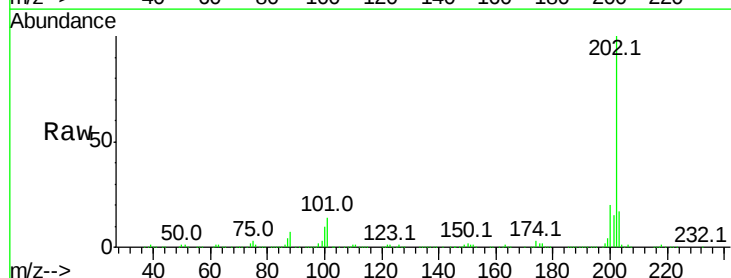
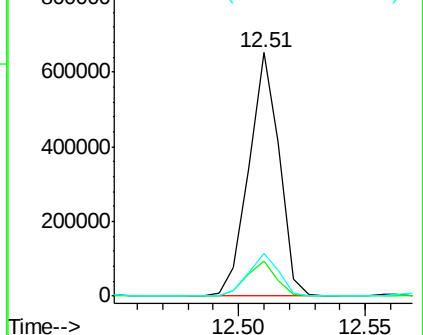
Acq: 16 Aug 2017 22:25

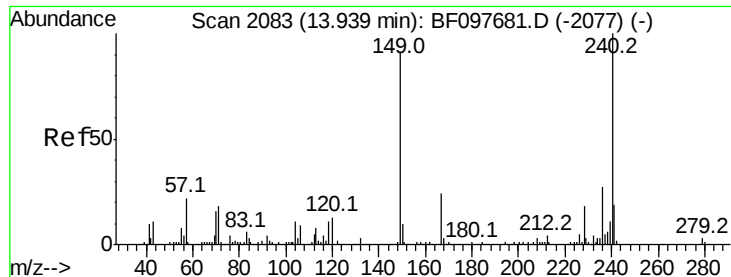
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.2
203	17.3	0.0	38.1

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# 2014

Delta R.T. -0.01 min

Lab File: BF097754.D

Acq: 16 Aug 2017 22:25

Instrument :

BNA_F

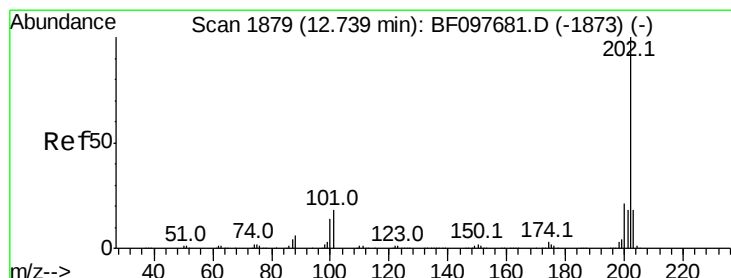
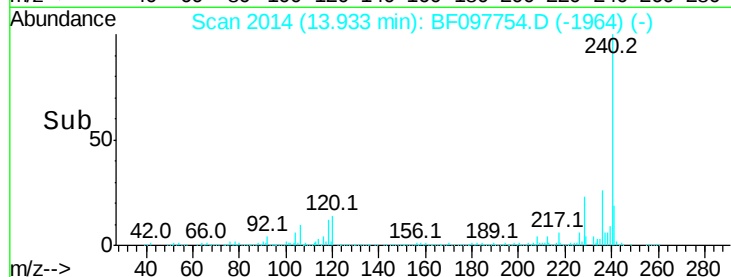
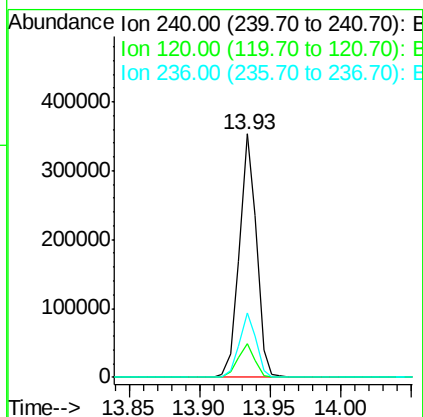
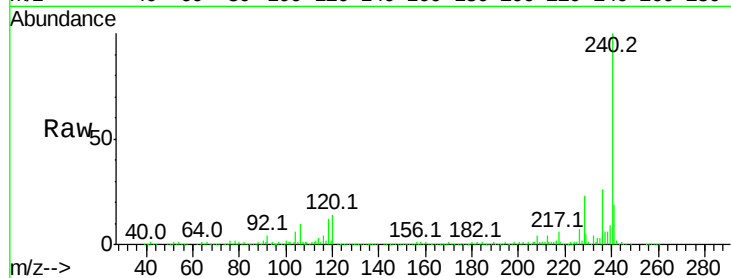
ClientSampleId :

S11-WC-4

Tot Ion	Ratio	Resp	Lower	Upper
240	100	299050		
120	13.7	5.8	8.8#	
236	26.5	20.5	30.7	

Manual Integrations
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#77

Pyrene

Concen: 23.924 ng

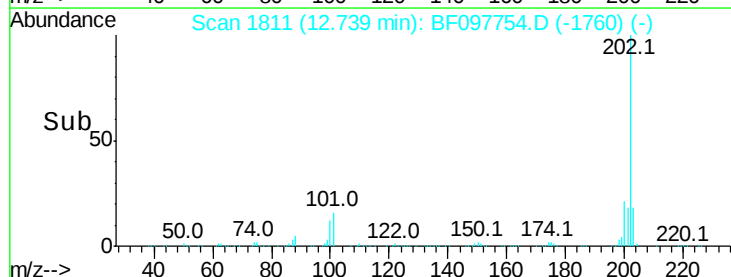
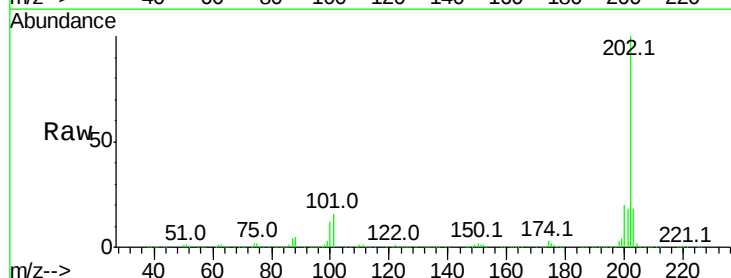
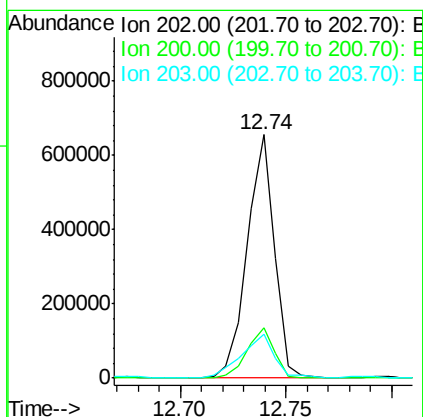
RT: 12.74 min Scan# 1811

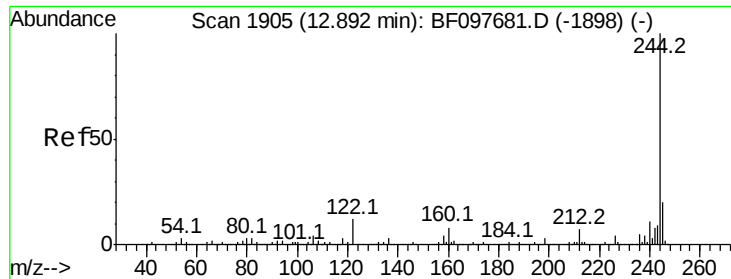
Delta R.T. 0.00 min

Lab File: BF097754.D

Acq: 16 Aug 2017 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	585150		
200	20.5	17.6	26.4	
203	17.8	14.4	21.6	





#78

Terphenyl-d14

Concen: 9.112 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097754.D

Acq: 16 Aug 2017 22:25

Instrument :

BNA_F

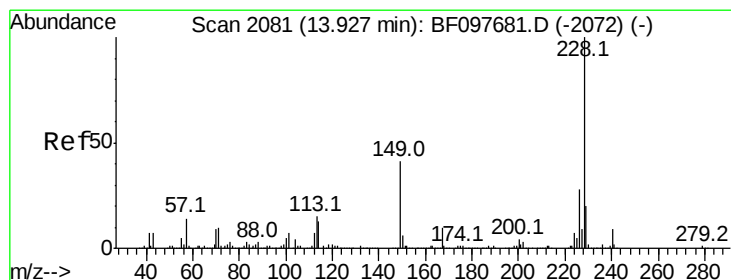
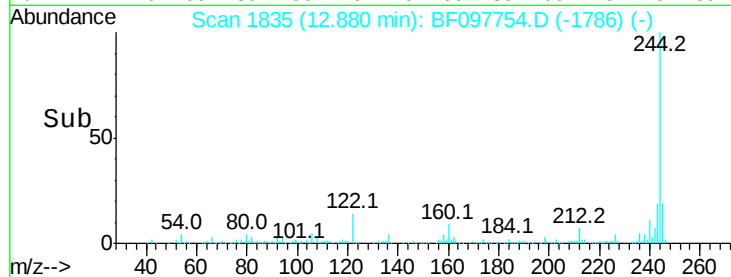
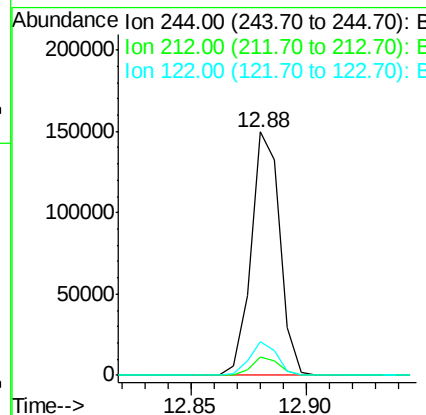
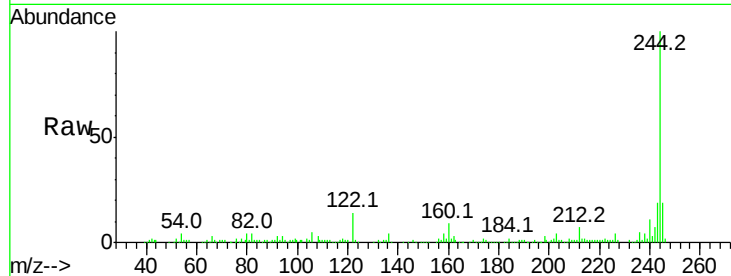
ClientSampleId :

S11-WC-4

Tot Ion:	244	Resp:	130672
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.0	9.0
122	13.8	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 15.330 ng

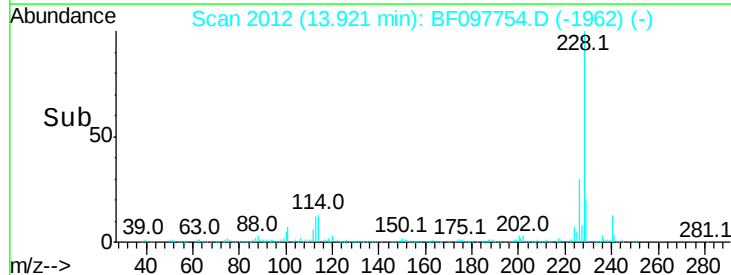
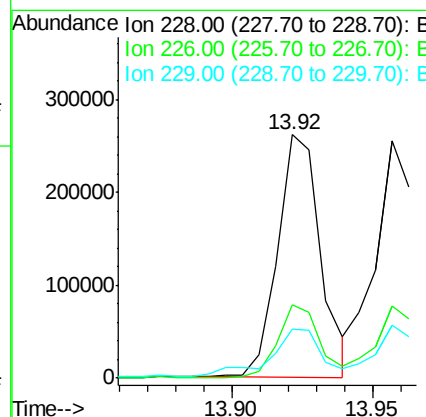
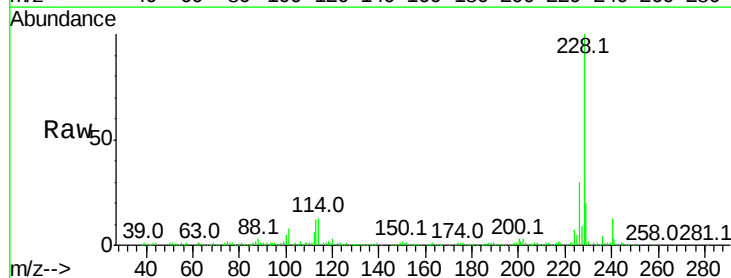
RT: 13.92 min Scan# 2012

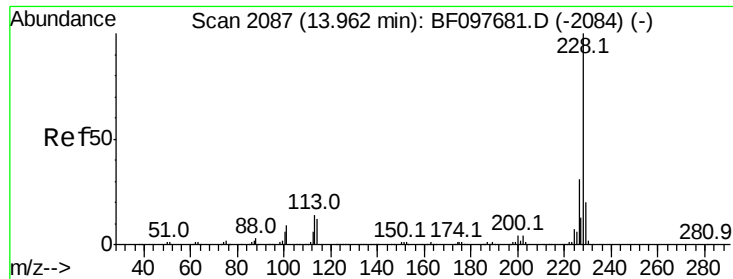
Delta R.T. -0.01 min

Lab File: BF097754.D

Acq: 16 Aug 2017 22:25

Tgt Ion:	228	Resp:	274771
Ion Ratio	Lower	Upper	
228	100		
226	30.0	22.6	33.8
229	20.3	16.3	24.5





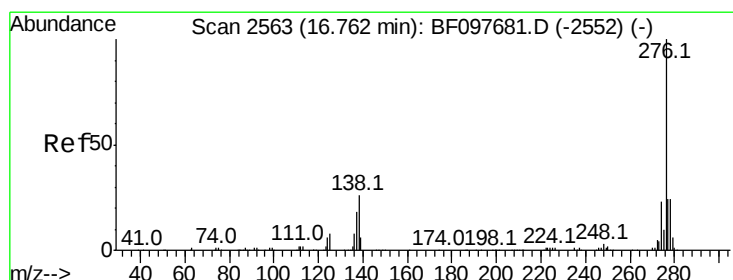
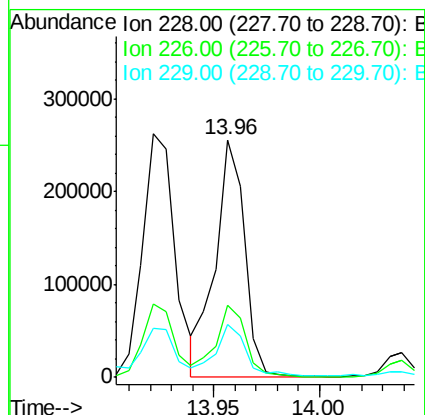
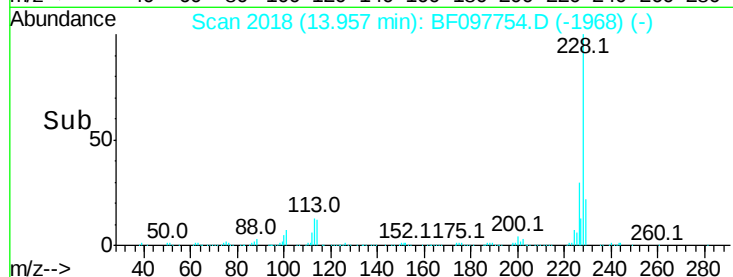
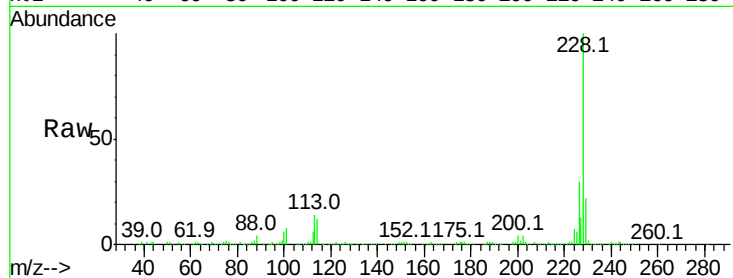
#82
Chrysene
Concen: 13.775 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097754.D
Acq: 16 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
S11-WC-4

Tot Ion:	228	Resp:	245600
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	22.2	15.8	23.6

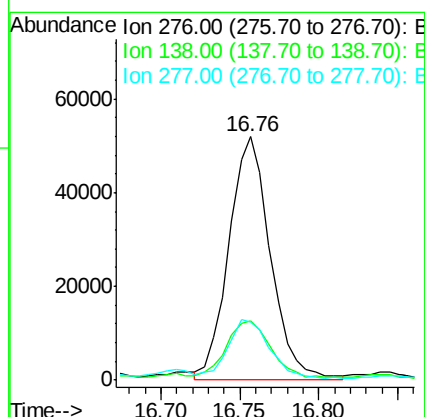
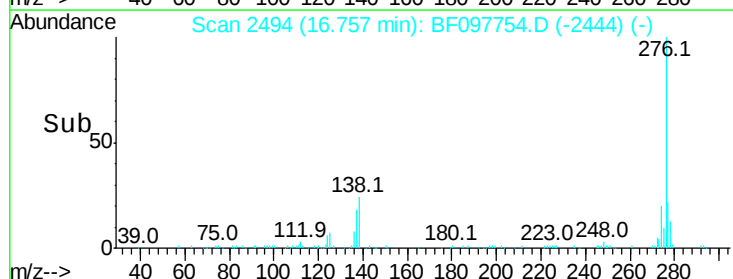
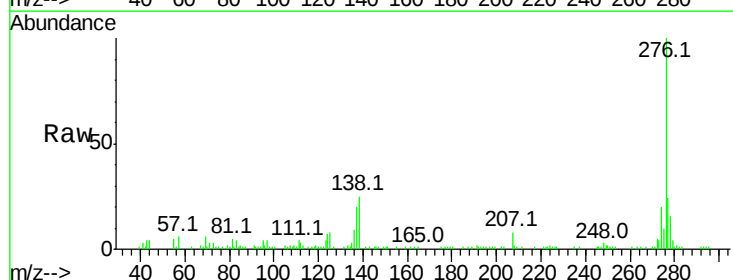
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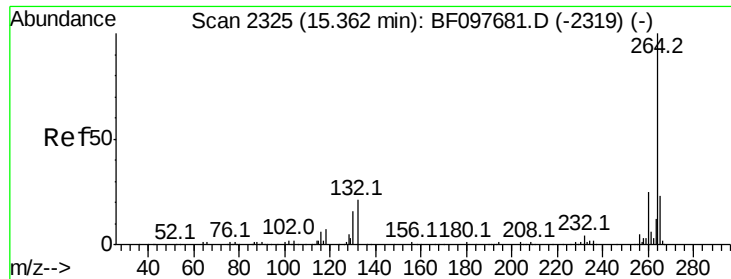
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.281 ng m
RT: 16.76 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF097754.D
Acq: 16 Aug 2017 22:25

Tgt Ion:	276	Resp:	95499
Ion Ratio	Lower	Upper	
276	100		
138	5.8	27.8	41.6#
277	4.9	20.2	30.4#





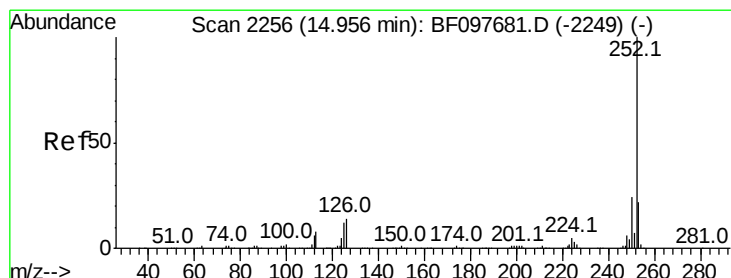
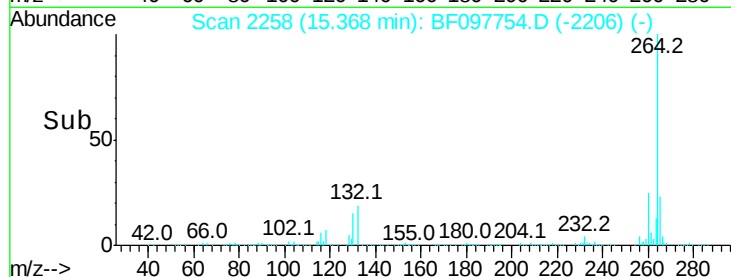
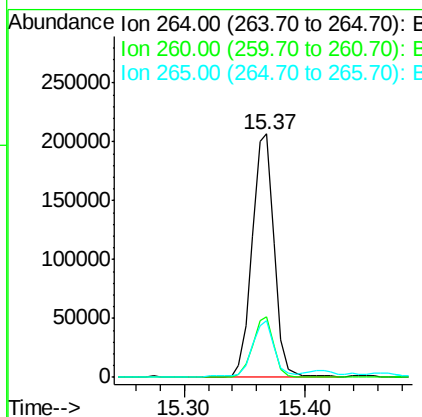
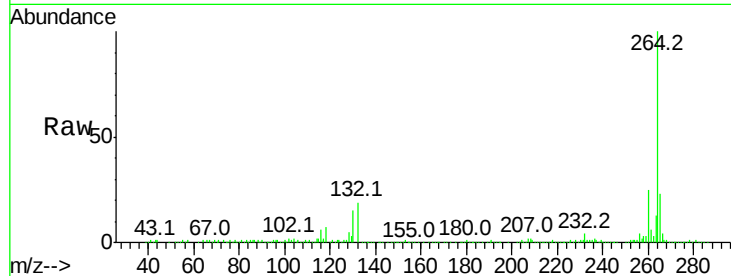
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF097754.D
Acq: 16 Aug 2017 22:25

Instrument :
BNA_F
ClientSampled :
S11-WC-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	23.2	17.2	25.8

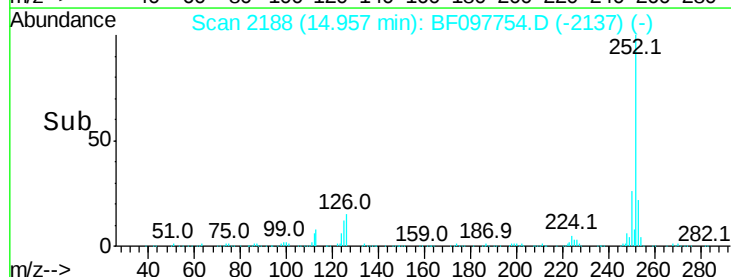
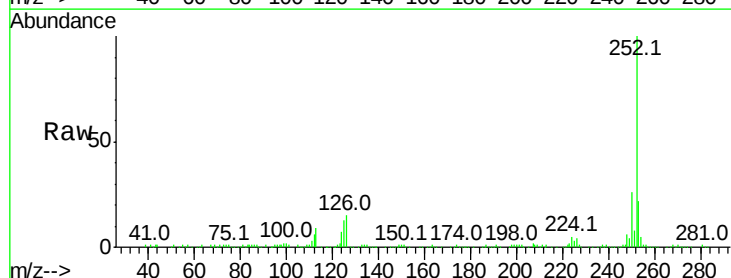
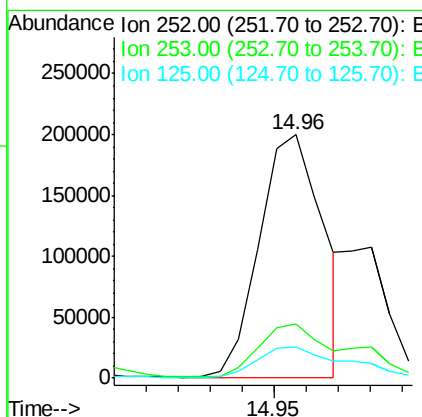
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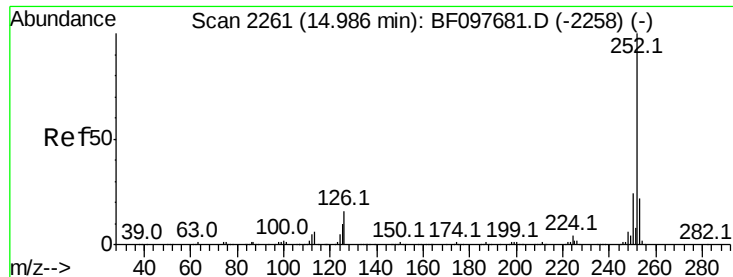
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#87
Benzo(b)fluoranthene
Concen: 16.628 ng m
RT: 14.96 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BF097754.D
Acq: 16 Aug 2017 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	12.6	9.8	14.8





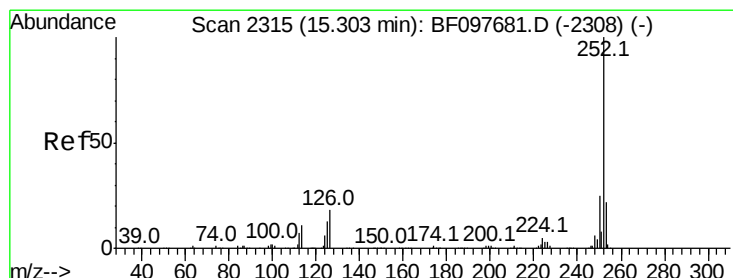
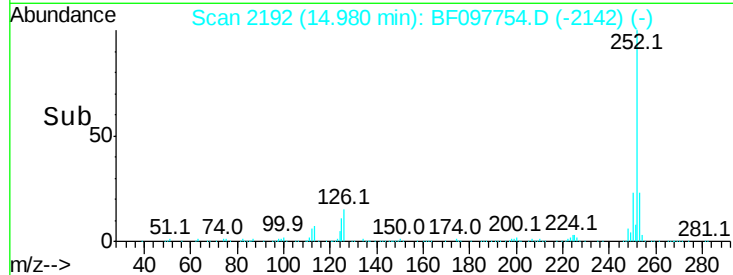
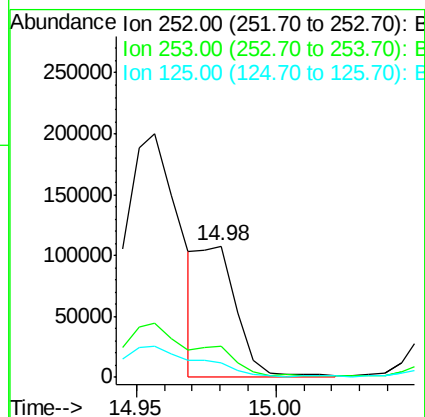
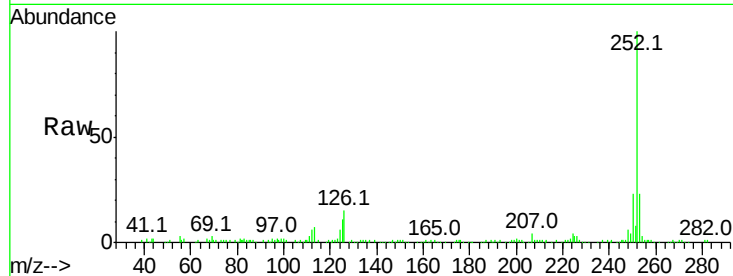
#88
Benzo(k)fluoranthene
Concen: 6.569 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF097754.D
Acq: 16 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
S11-WC-4

Tot Ion	Ratio	Resp	Lower	Upper
252	100	102851		
253	23.3	18.4	27.6	
125	11.1	13.1	19.7	

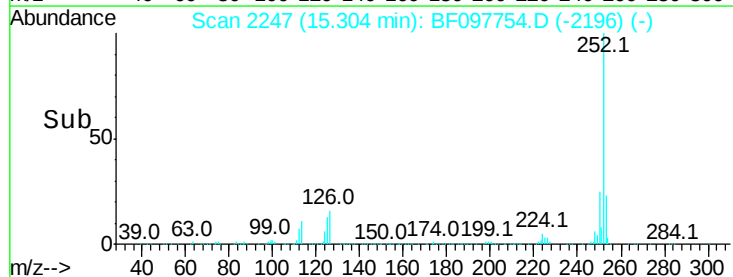
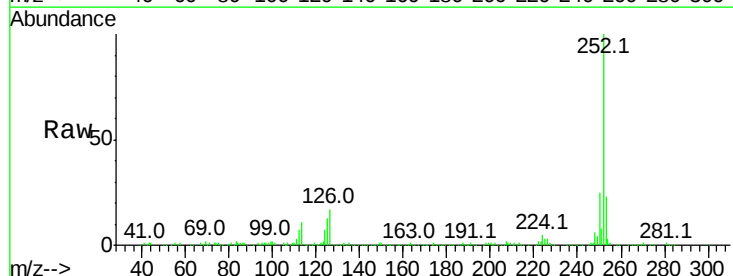
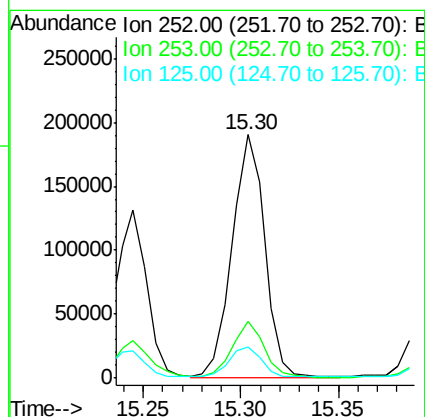
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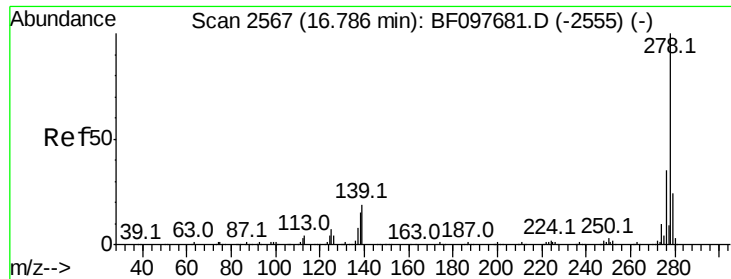
Sohil
8/17/2017 5:57:55 PM



#89
Benzo(a)pyrene
Concen: 14.890 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.00 min
Lab File: BF097754.D
Acq: 16 Aug 2017 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	219674		
253	23.2	17.5	26.3	
125	13.0	11.0	16.4	





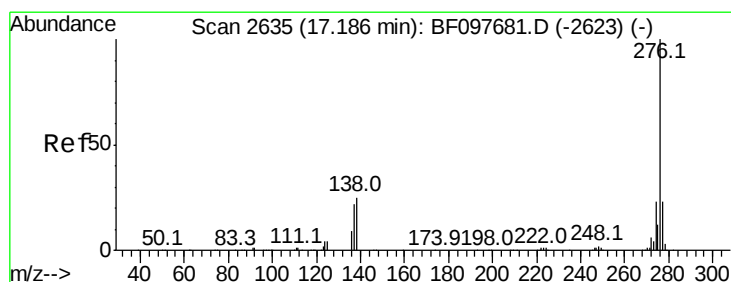
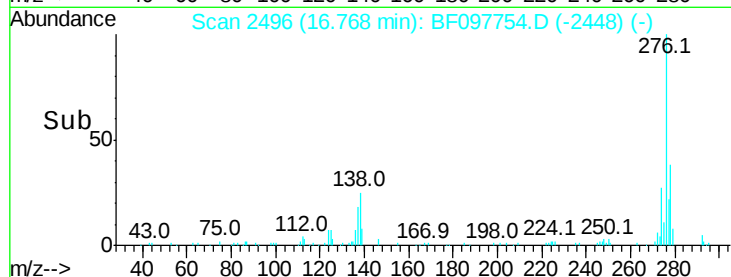
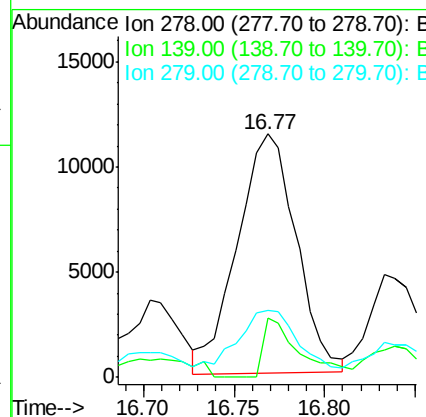
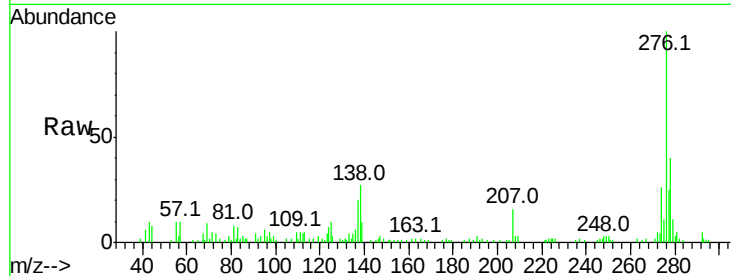
#90
Dibenzo(a,h)anthracene
Concen: 2.143 ng
RT: 16.77 min Scan# 2496
Delta R.T. -0.02 min
Lab File: BF097754.D
Acq: 16 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
S11-WC-4

Tot Ion:278	Resp:	25742
Ion Ratio	Lower	Upper
278	100	
139	24.2	16.6 24.8
279	27.6	19.3 28.9

Manual Integrations
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8/17/2017 5:57:55 PM



#91
Benzo(g,h,i)perylene
Concen: 7.498 ng
RT: 17.17 min Scan# 2565
Delta R.T. -0.01 min
Lab File: BF097754.D
Acq: 16 Aug 2017 22:25

Tgt Ion:276	Resp:	93973
Ion Ratio	Lower	Upper
276	100	
277	24.3	18.6 28.0
138	25.5	25.4 38.0

