

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097735.D
 Acq On : 16 Aug 2017 13:30
 Operator : SJ/JU
 Sample : I4755-01RE 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-ARE

Manual Integrations
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 8/17/2017 5:57:29 PM

Quant Time: Aug 16 15:46:53 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	154441	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	623830	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	289184	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	562421	20.00	ng	0.00
75) Chrysene-d12	13.93	240	349080	20.00	ng	0.00
86) Perylene-d12	15.36	264	281391	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	95556	9.41	ng	-0.01
7) Phenol-d6	6.39	99	131592	9.54	ng	-0.02
23) Nitrobenzene-d5	7.33	82	80482	7.01	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	24860	9.91	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	138712	7.05	ng	-0.01
78) Terphenyl-d14	12.88	244	117831	7.04	ng	-0.01
Target Compounds						
70) Phenanthrene	11.32	178	63729	2.126	ng	Qvalue 97
74) Fluoranthene	12.50	202	140426	4.489	ng	99
77) Pyrene	12.73	202	125319	4.389	ng	96
80) Benzo(a)anthracene	13.92	228	47285	2.260	ng	97
82) Chrysene	13.95	228	47630	2.289	ng	97
87) Benzo(b)fluoranthene	14.94	252	50361m	2.839	ng	
89) Benzo(a)pyrene	15.30	252	38980	2.482	ng	97
91) Benzo(g,h,i)perylene	17.16	276	27879	2.090	ng	# 92

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

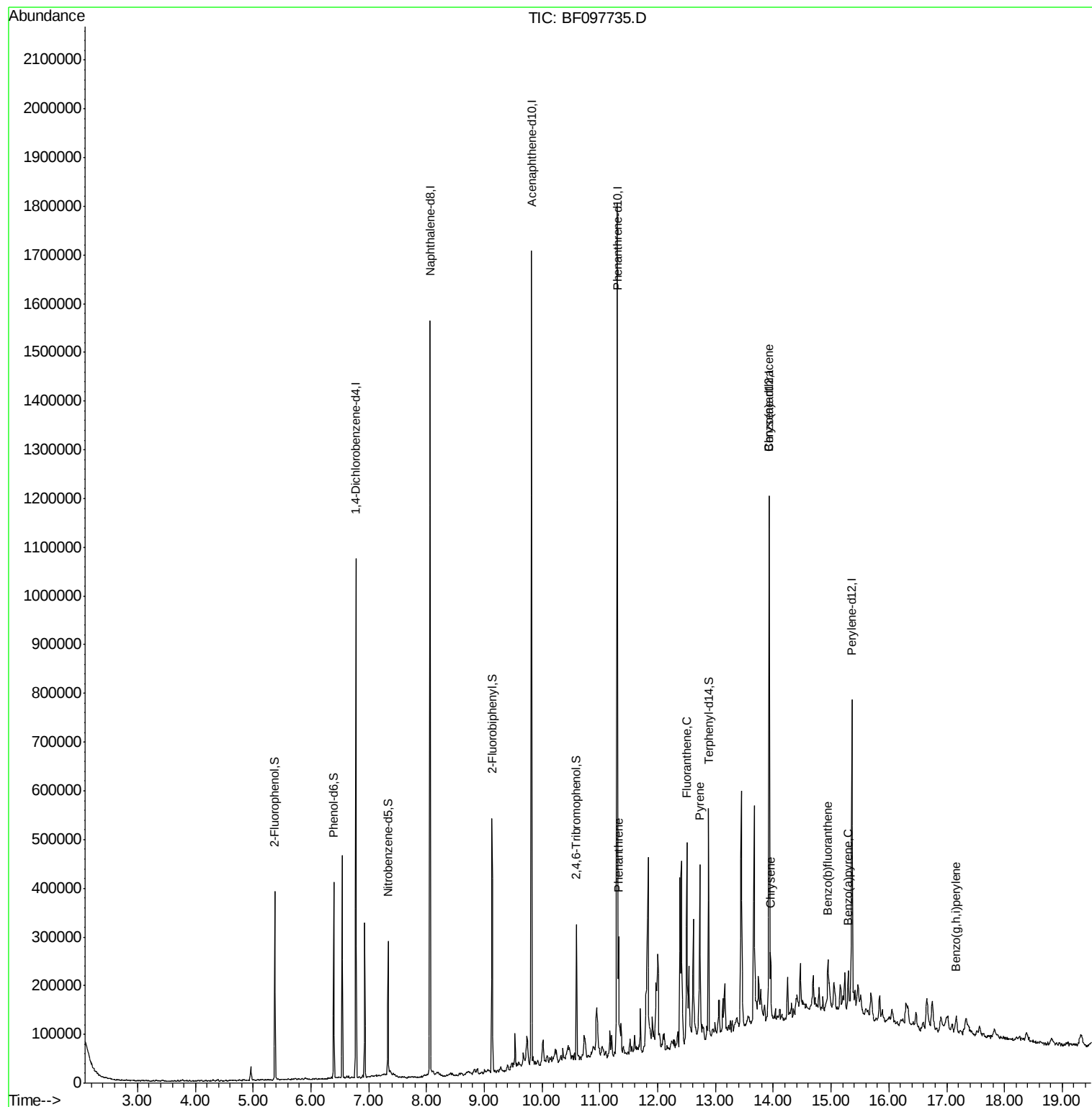
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
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ALS Vial : 3 Sample Multiplier: 1

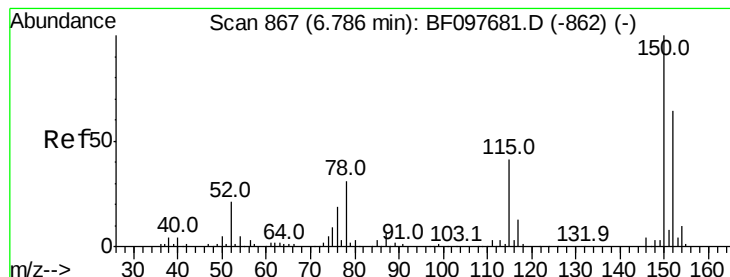
Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

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#1

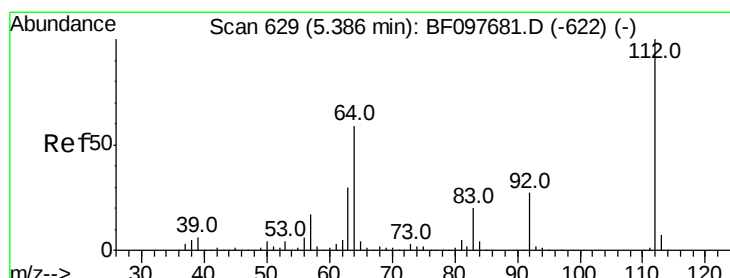
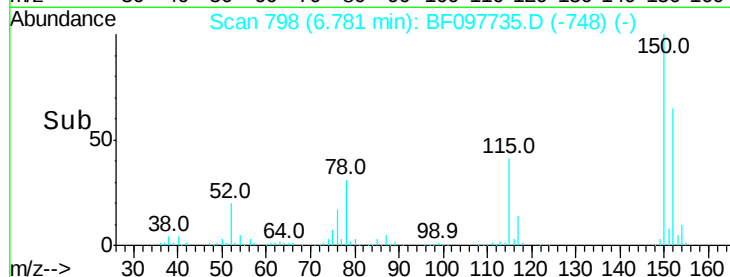
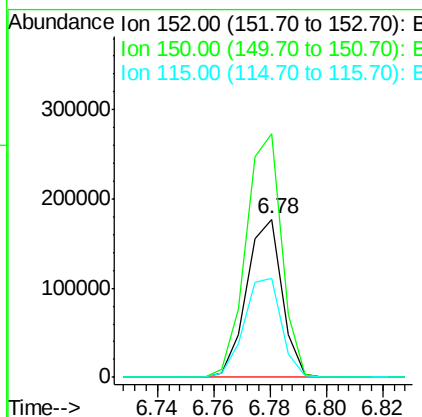
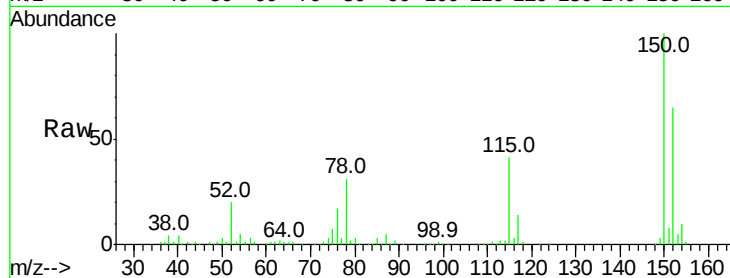
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.2	189.2
115	62.6	52.2	78.2

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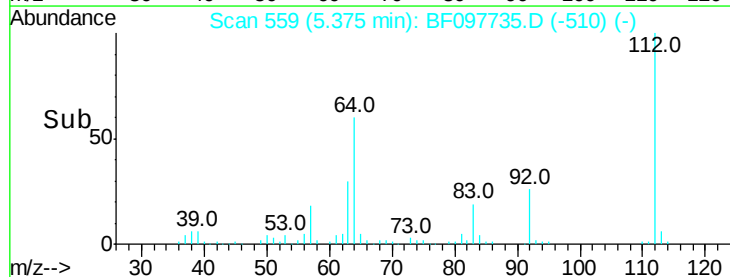
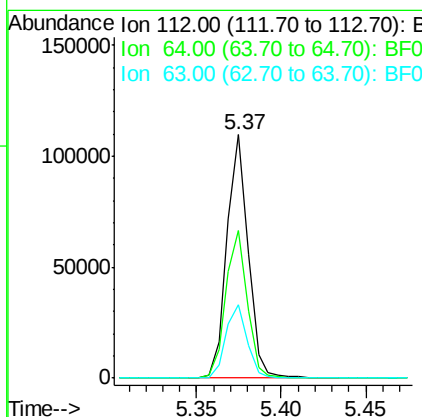
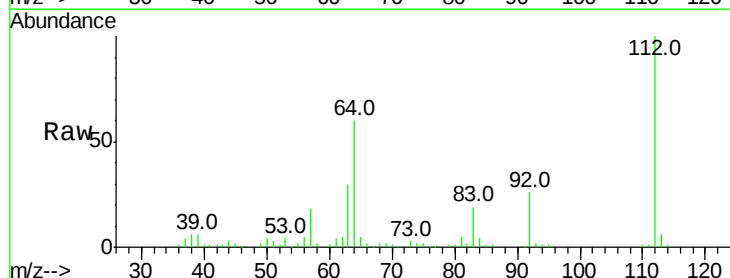
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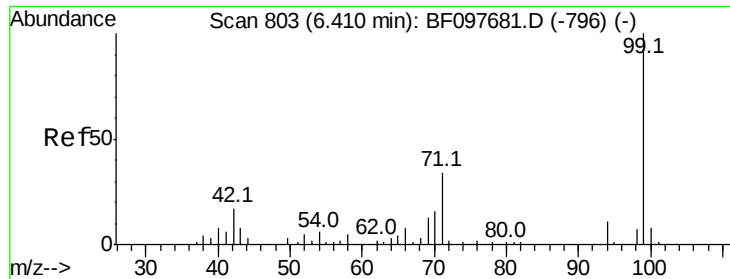


#5

2-Fluorophenol
Concen: 9.411 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	46.0	69.0
63	30.2	23.4	35.0





#7

Phenol-d6

Concen: 9.539 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Instrument :

BNA_F

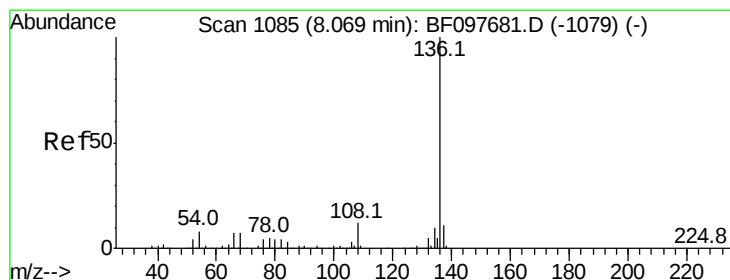
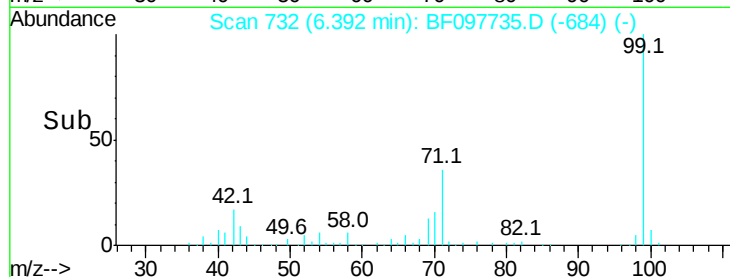
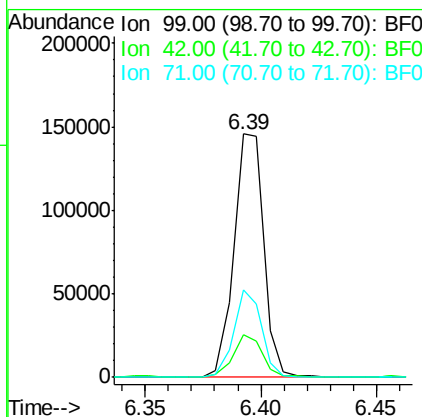
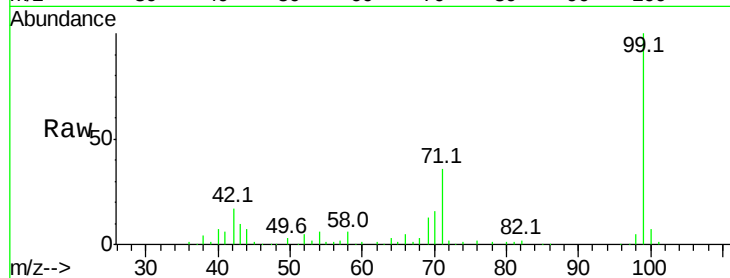
ClientSampleId :

SA-06-081117-ARE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		131592		
42	17.3	13.5	20.3		
71	36.0	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

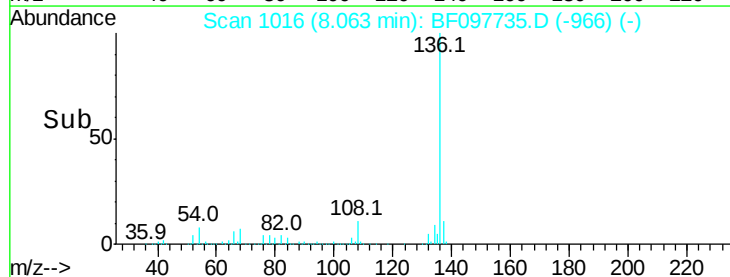
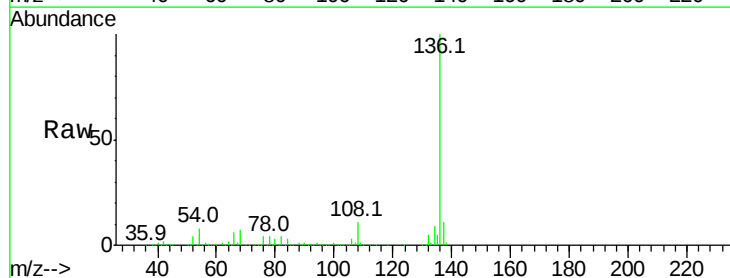
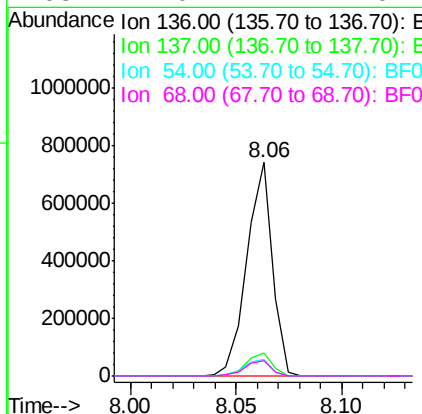
RT: 8.06 min Scan# 1016

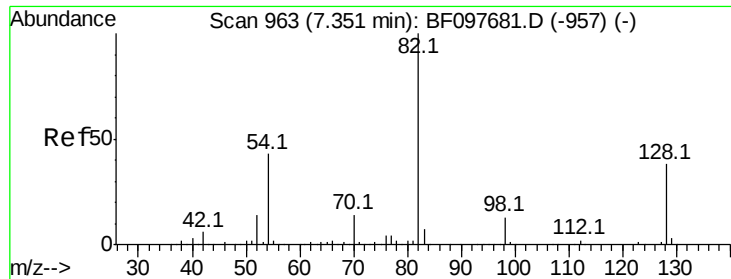
Delta R.T. -0.01 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		623830		
137	10.9	8.5	12.7		
54	7.6	4.9	7.3#		
68	7.0	4.1	6.1#		





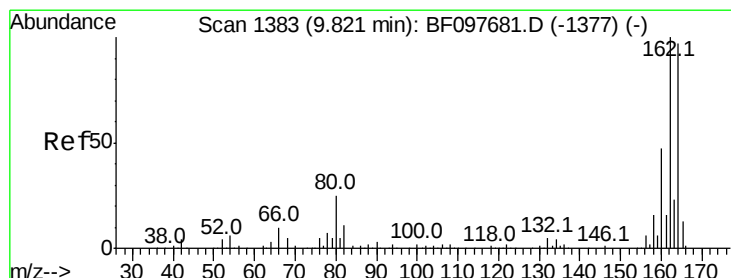
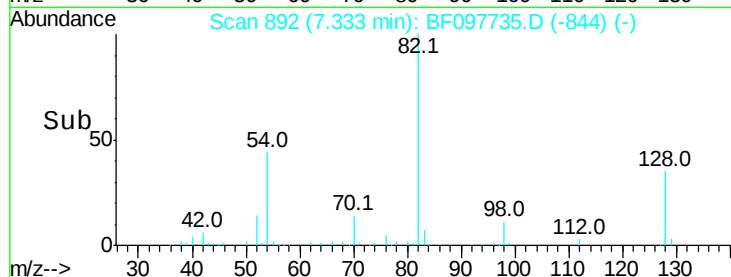
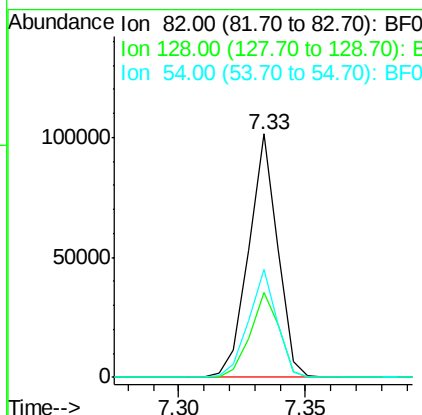
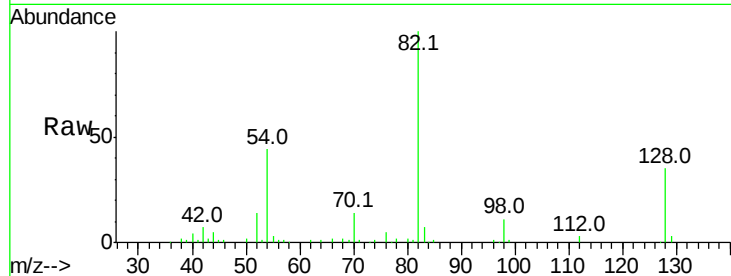
#23
 Nitrobenzene-d5
 Concen: 7.009 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097735.D
 Acq: 16 Aug 2017 13:30

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-ARE

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.7	34.0	51.0
54	44.1	42.2	63.2

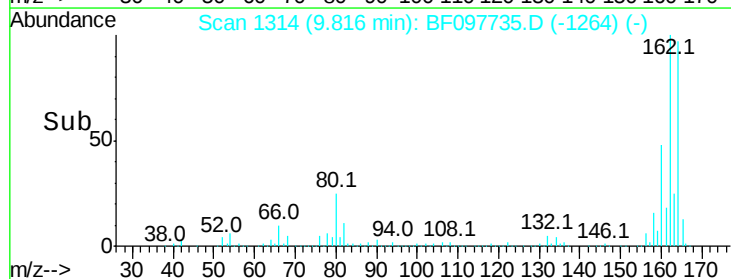
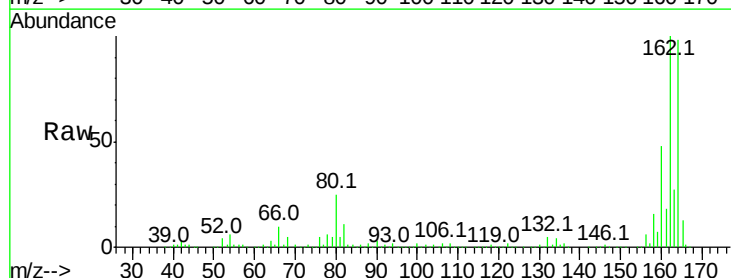
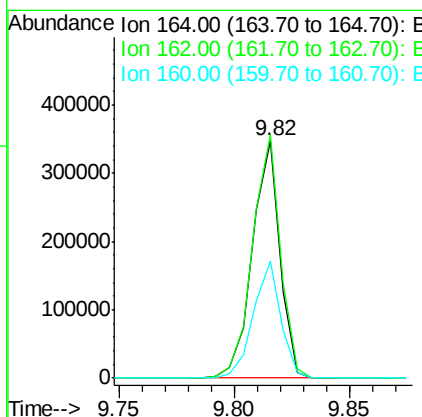
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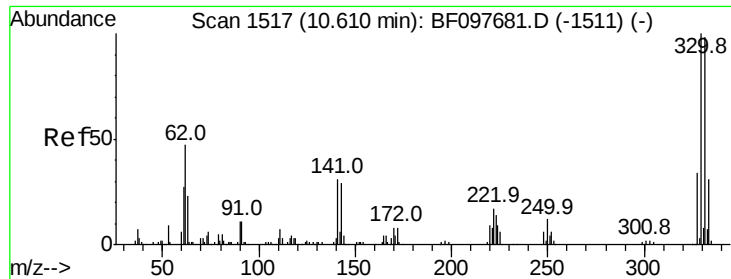
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097735.D
 Acq: 16 Aug 2017 13:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	123.8
160	49.1	36.2	54.2





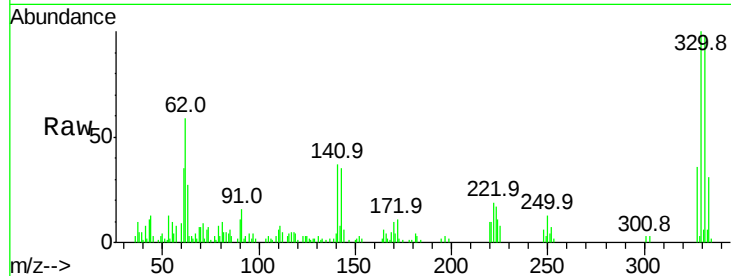
#41
 2,4,6-Tribromophenol
 Concen: 9.908 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097735.D
 Acq: 16 Aug 2017 13:30

Instrument :
 BNA_F
 ClientSampleId :
 SA-06-081117-ARE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	24860		
332	96.8	76.6	115.0	
141	44.7	31.4	47.2	

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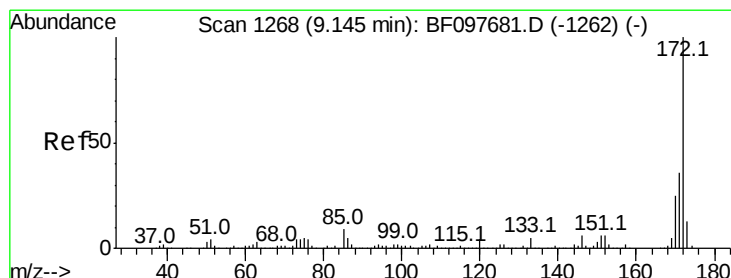
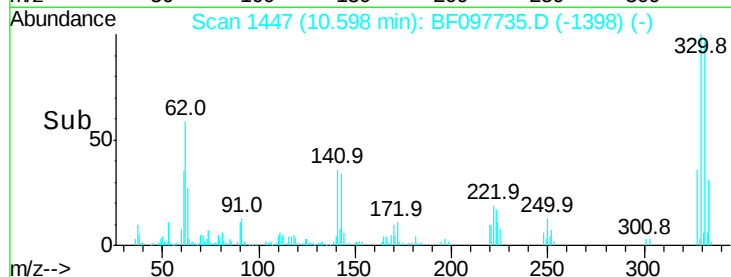
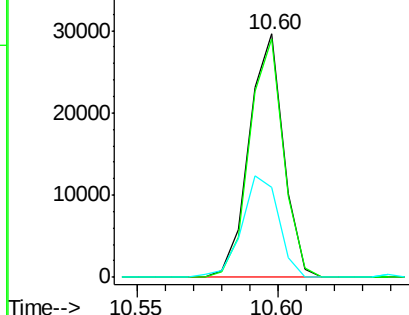


Abundance

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: 7.047 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097735.D
 Acq: 16 Aug 2017 13:30

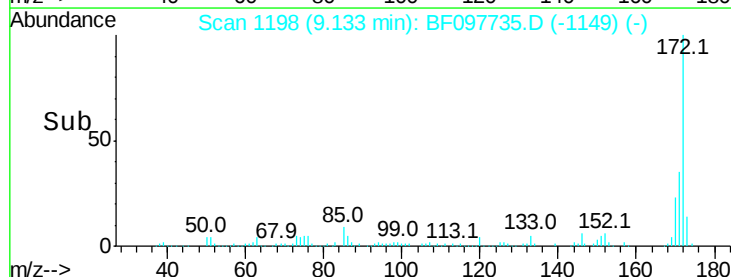
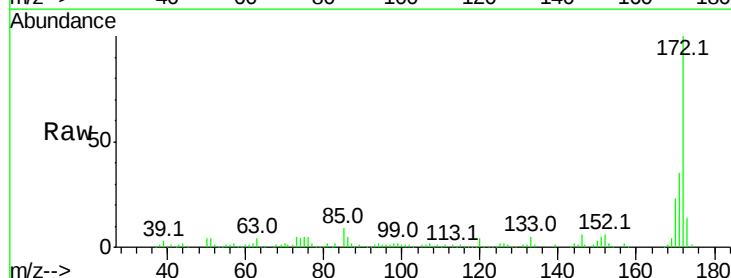
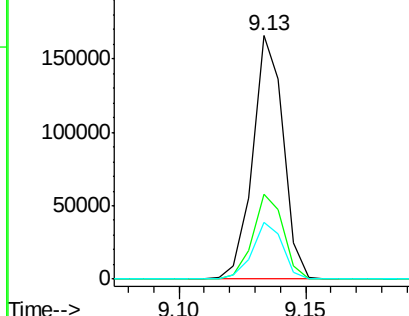
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	138712		
171	34.7	29.6	44.4	
170	23.4	19.8	29.8	

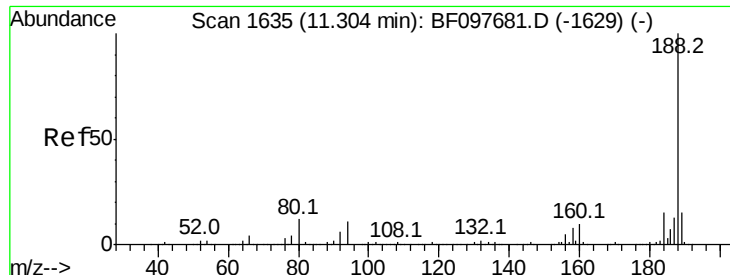
Abundance

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





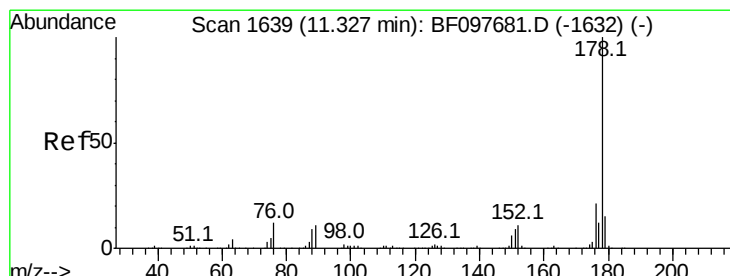
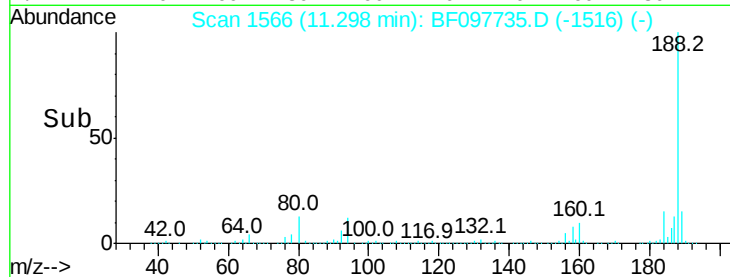
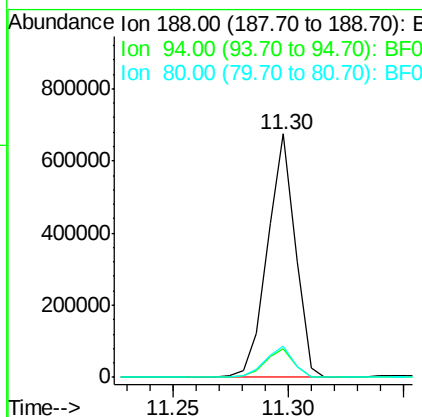
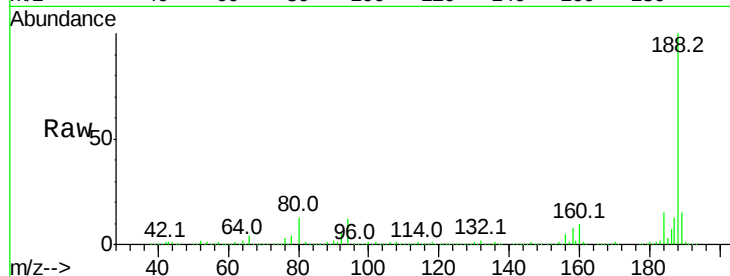
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

Tot Ion:	188	Resp:	562421
Ion Ratio	Lower	Upper	
188	100		
94	11.5	9.4	14.2
80	12.6	10.2	15.2

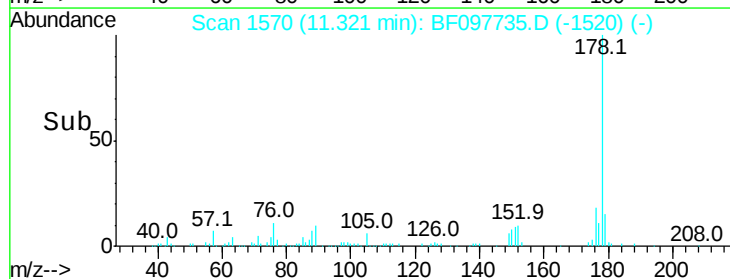
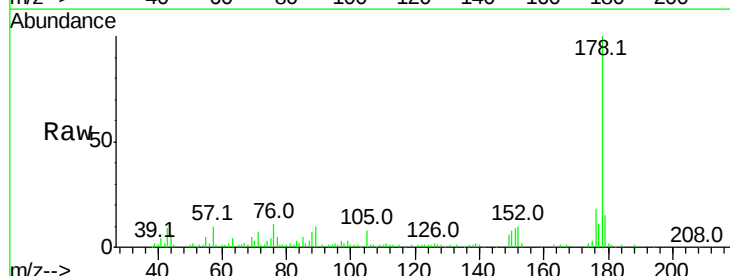
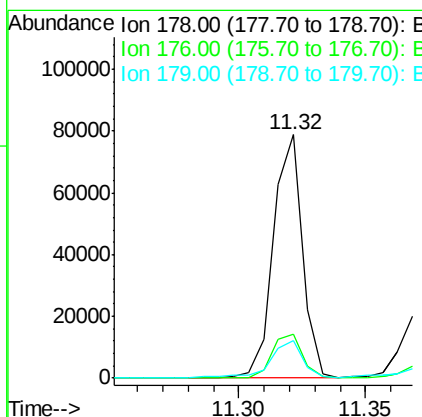
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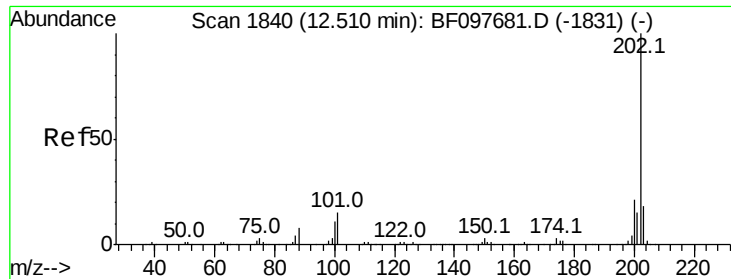
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#70
Phenanthrene
Concen: 2.126 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion:	178	Resp:	63729
Ion Ratio	Lower	Upper	
178	100		
176	18.0	16.2	24.4
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 4.489 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.01 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Instrument :

BNA_F

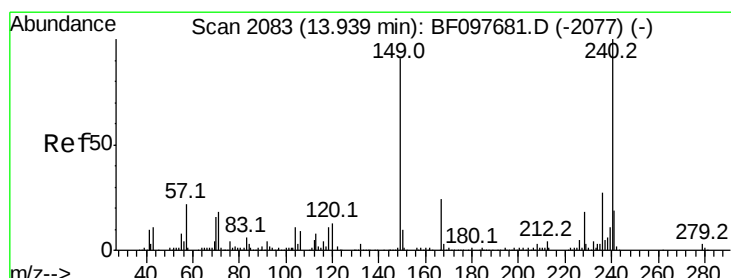
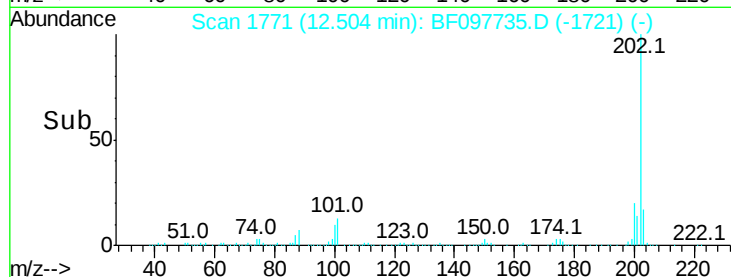
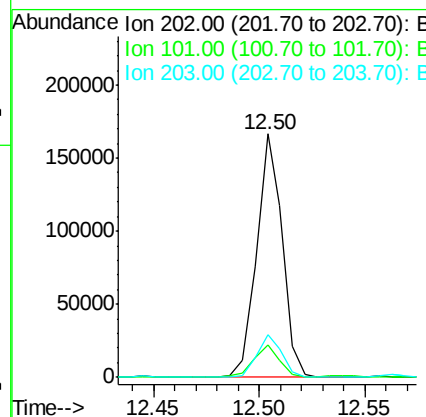
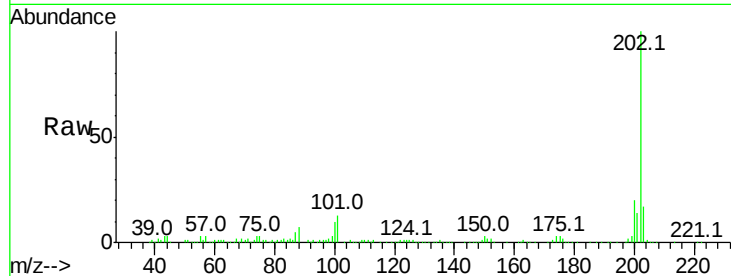
ClientSampleId :

SA-06-081117-ARE

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	13.3	0.0	33.2	
203	17.4	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

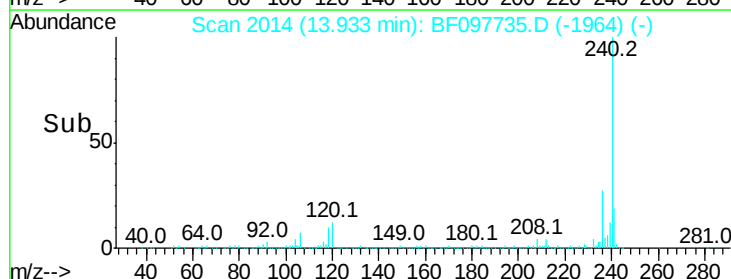
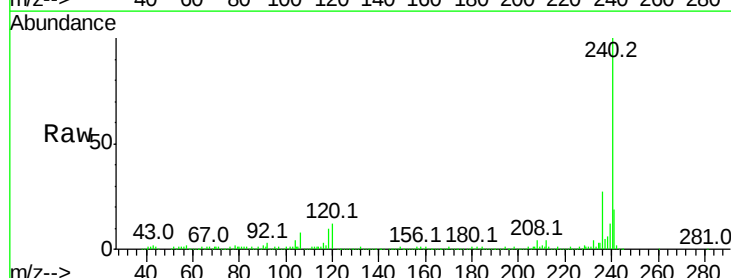
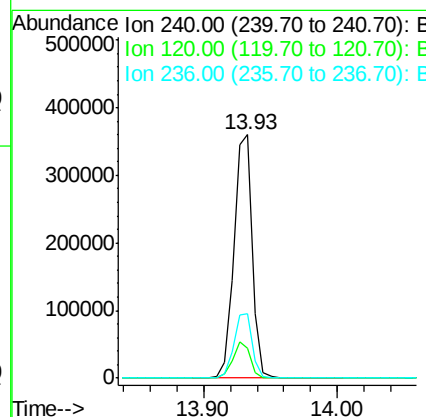
RT: 13.93 min Scan# 2014

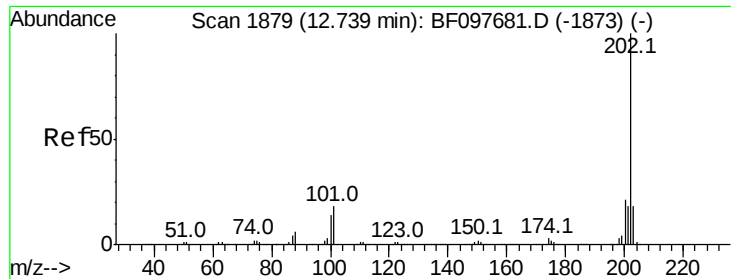
Delta R.T. -0.01 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.1	5.8	8.8#	
236	26.5	20.5	30.7	





#77

Pvrene

Concen: 4.389 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Instrument :

BNA_F

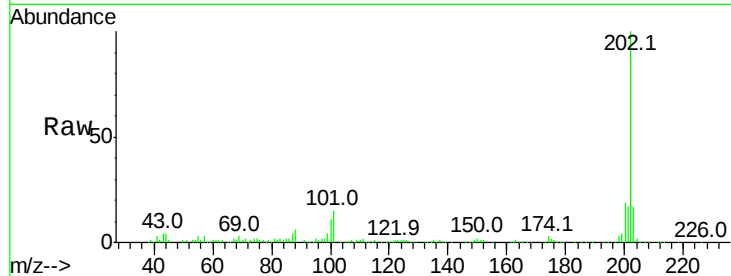
ClientSampleId :

SA-06-081117-ARE

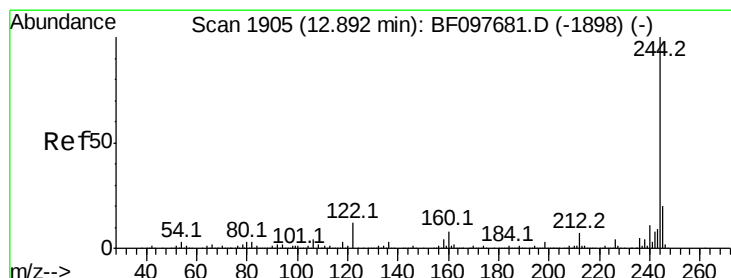
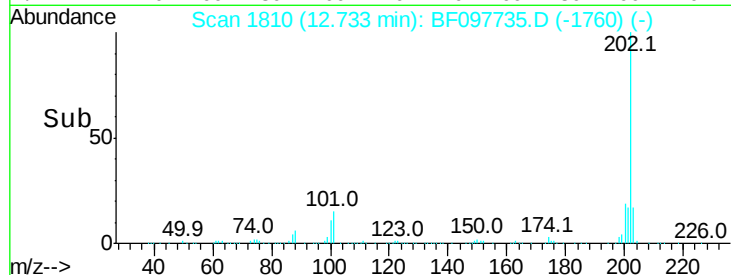
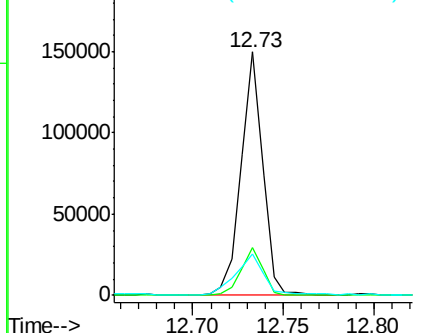
Tot Ion:	202	Resp:	125319
Ion Ratio		Lower	Upper
202	100		
200	19.4	17.6	26.4
203	17.1	14.4	21.6

Manual Integrations
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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: 7.039 ng

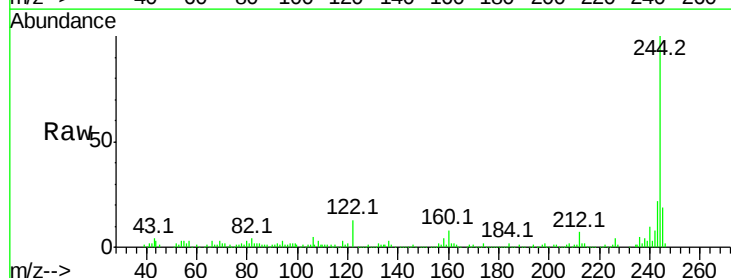
RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

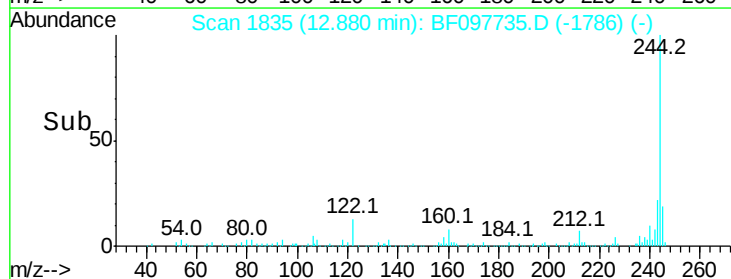
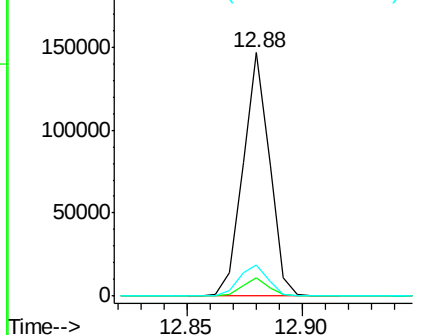
Lab File: BF097735.D

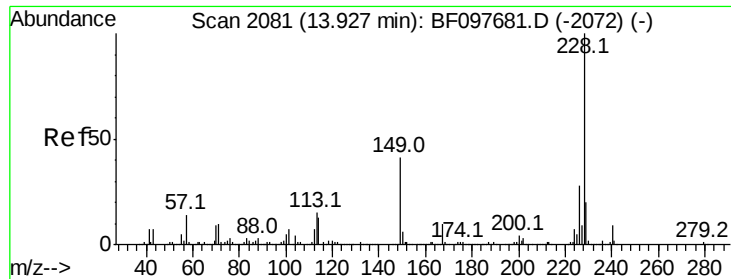
Acq: 16 Aug 2017 13:30

Tgt Ion:	244	Resp:	117831
Ion Ratio		Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.0	10.3	15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





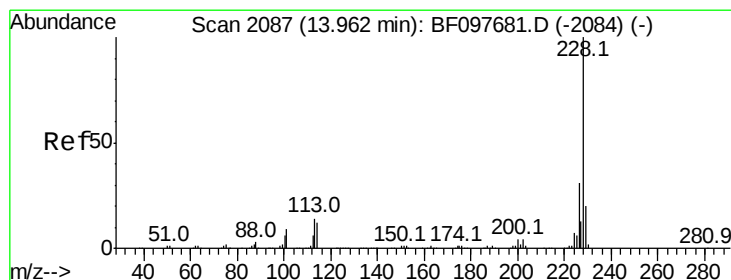
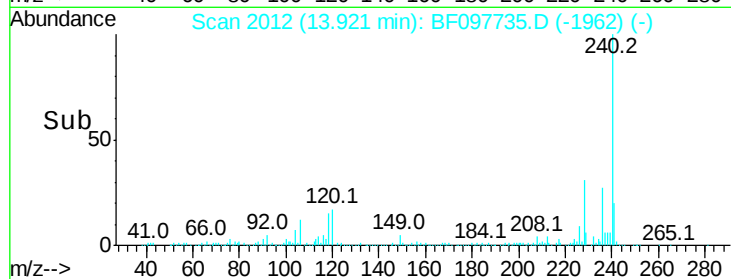
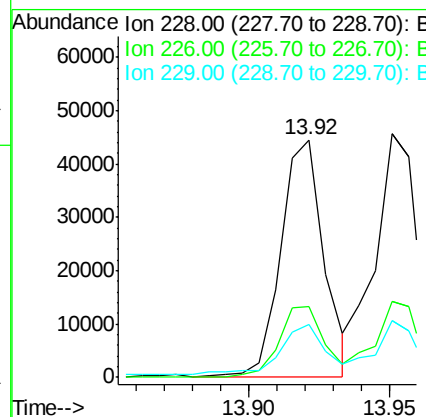
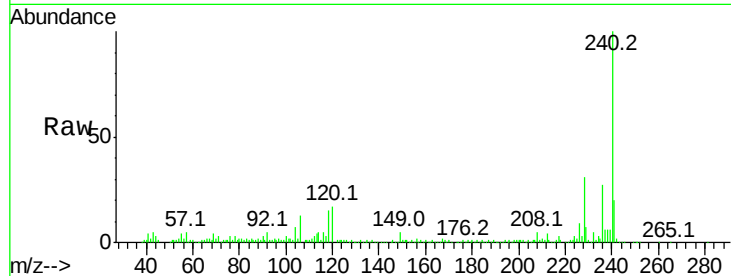
#80
Benzo(a)anthracene
Concen: 2.260 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	22.0	16.3	24.5

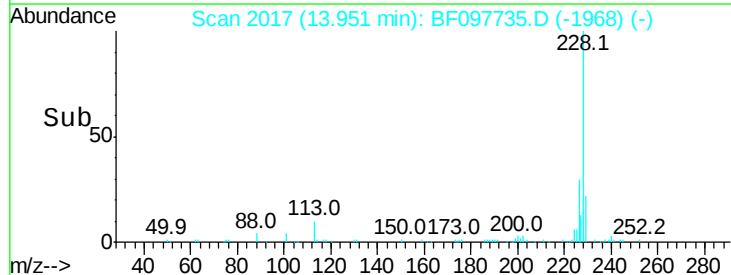
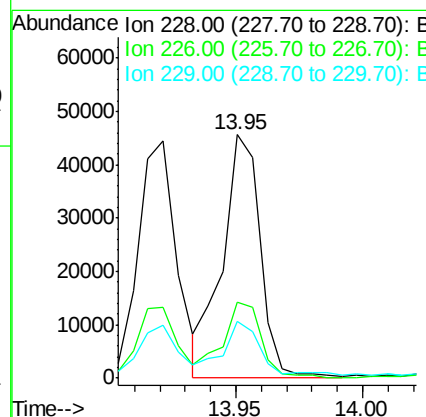
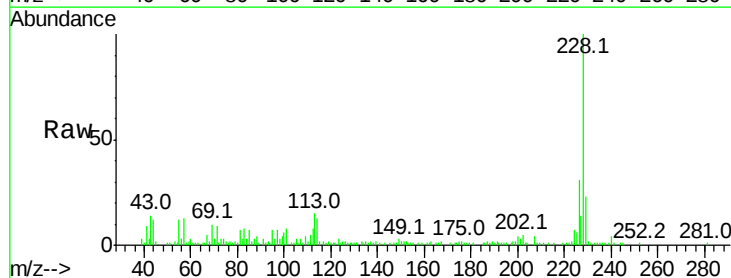
Manual Integrations
APPROVED

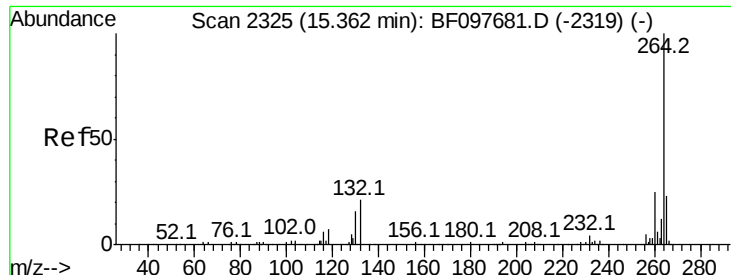
Sohil
8/17/2017 5:57:29 PM



#82
Chrysene
Concen: 2.289 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	23.2	15.8	23.6





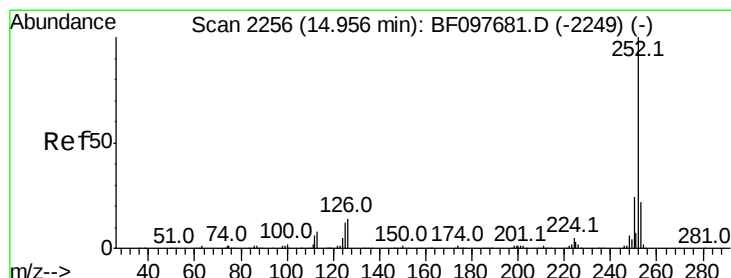
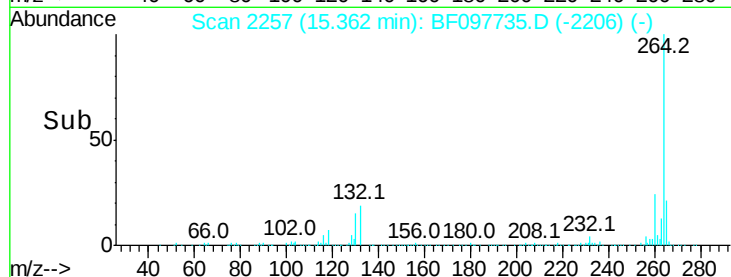
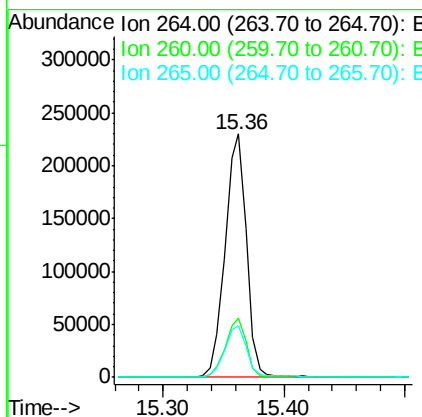
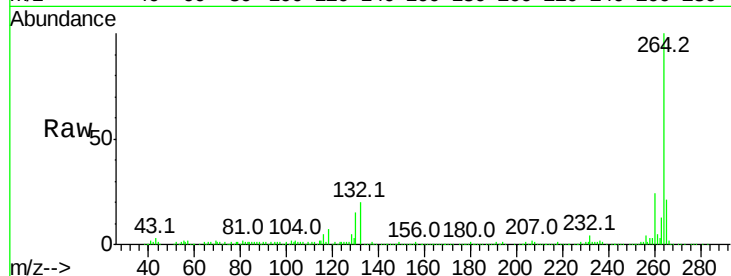
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Instrument :
BNA_F
ClientSampleId :
SA-06-081117-ARE

Tot Ion	Ratio	Resp	Lower	Upper
264	100	281391		
260	24.3	19.5	29.3	
265	21.4	17.2	25.8	

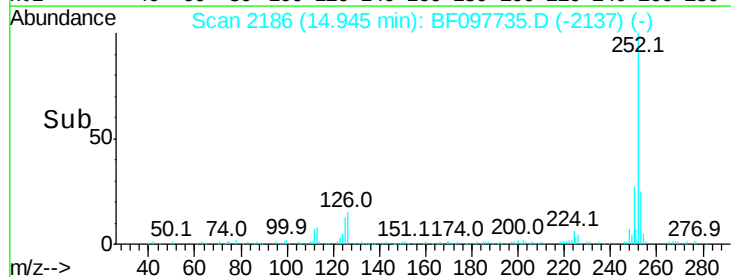
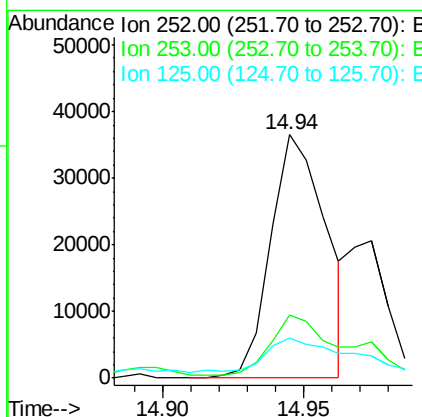
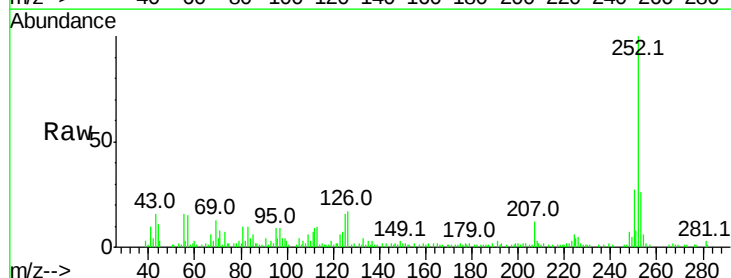
Manual Integrations
APPROVED

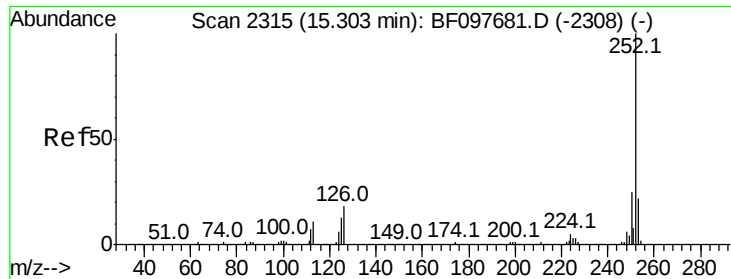
Sohil
8/17/2017 5:57:29 PM



#87
Benzo(b)fluoranthene
Concen: 2.839 ng m
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF097735.D
Acq: 16 Aug 2017 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	50361		
253	25.8	18.1	27.1	
125	16.3	9.8	14.8#	





#89

Benzo(a)pyrene

Concen: 2.482 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Instrument :

BNA_F

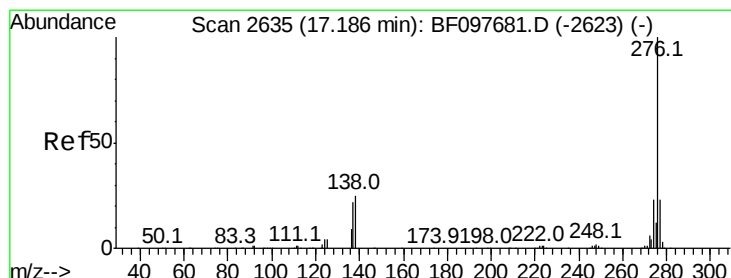
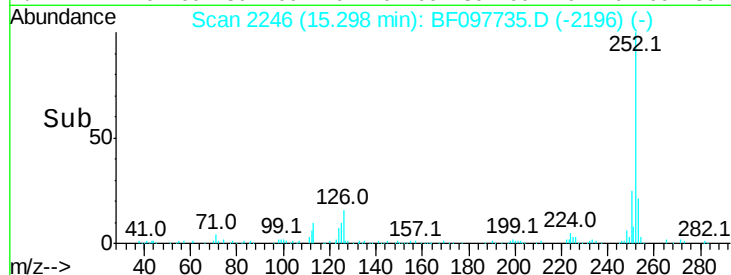
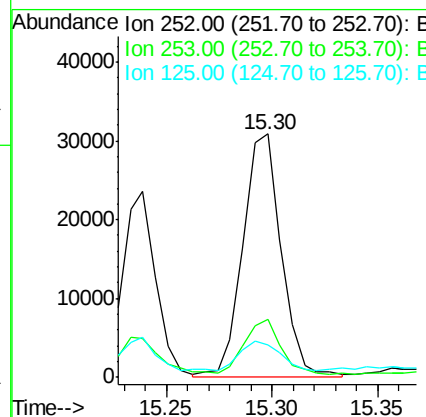
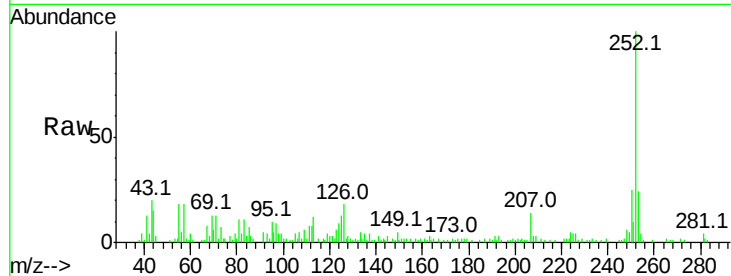
ClientSampleId :

SA-06-081117-ARE

Tot Ion:	252	Resp:	38980
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	13.4	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/17/2017 5:57:29 PM



#91

Benzo(g,h,i)perylene

Concen: 2.090 ng

RT: 17.16 min Scan# 2563

Delta R.T. -0.02 min

Lab File: BF097735.D

Acq: 16 Aug 2017 13:30

Tgt Ion:	276	Resp:	27879
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	28.0
138	24.4	25.4	38.0#

