

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097723.D
 Acq On : 16 Aug 2017 6:51
 Operator : SJ/JU
 Sample : I4751-08 5X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-28-COMP

Manual Integrations
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Sohil
 8/16/2017 6:46:01 PM

Quant Time: Aug 16 08:19:06 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	6.79	152	132535	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	509915	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	200278	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	308171	20.00	ng	0.00
75) Chrysene-d12	13.94	240	292488	20.00	ng	0.00
86) Perylene-d12	15.37	264	231363	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	174811	20.06	ng	0.00
7) Phenol-d6	6.40	99	241639	20.41	ng	-0.01
23) Nitrobenzene-d5	7.34	82	135456	14.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	25404	14.62	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	216832	15.91	ng	0.00
78) Terphenyl-d14	12.89	244	133447	9.51	ng	0.00
Target Compounds						
70) Phenanthrene	11.33	178	224294	13.659	ng	98
71) Anthracene	11.37	178	61818	3.711	ng	97
74) Fluoranthene	12.52	202	389734	22.738	ng	93
77) Pyrene	12.75	202	437405	18.285	ng	97
80) Benzo(a)anthracene	13.93	228	285054m	16.261	ng	
82) Chrysene	13.96	228	257286	14.754	ng	97
85) Indeno(1,2,3-cd)pyrene	16.77	276	89547m	6.980	ng	
87) Benzo(b)fluoranthene	14.96	252	280301m	19.220	ng	
88) Benzo(k)fluoranthene	14.99	252	71082m	5.188	ng	
89) Benzo(a)pyrene	15.31	252	167624	12.984	ng	99
90) Dibenzo(a,h)anthracene	16.78	278	21513m	2.047	ng	
91) Benzo(a,h,i)perylene	17.19	276	77888	7.102	ng	94

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

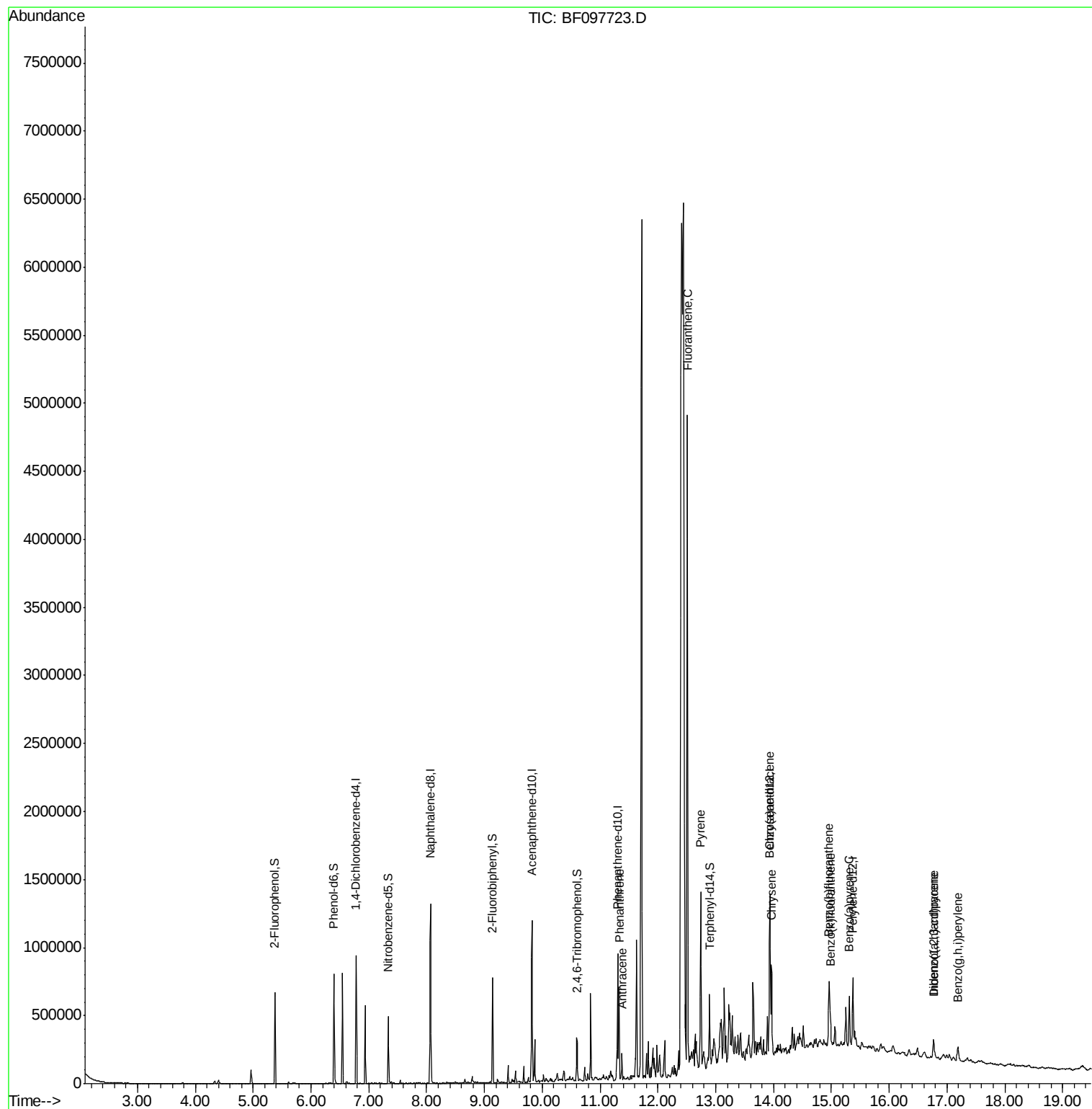
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097723.D
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Operator : SJ/JU
Sample : I4751-08 5X
Misc :
ALS Vial : 36 Sample Multiplier: 1

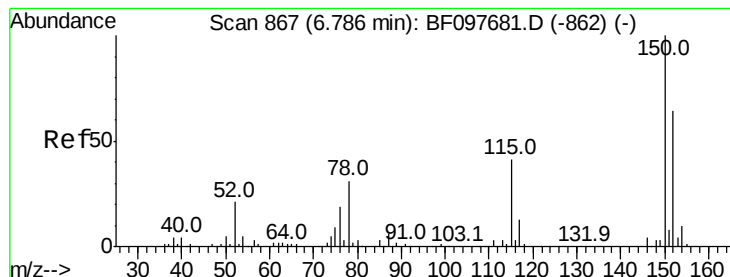
Instrument :
BNA_F
ClientSampleId :
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#1

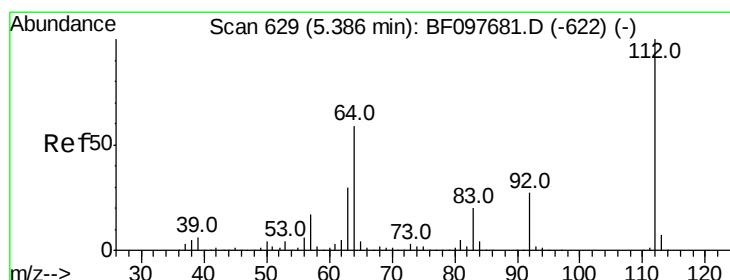
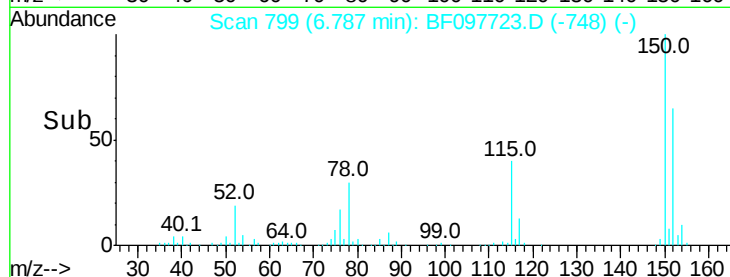
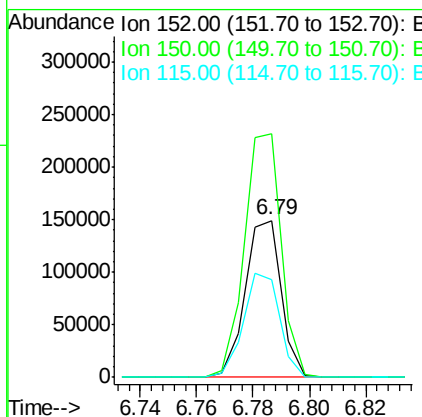
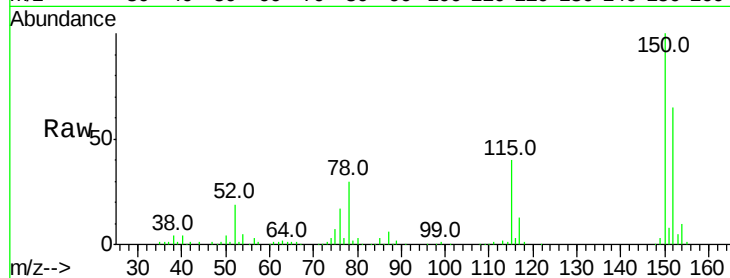
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	62.1	52.2	78.2

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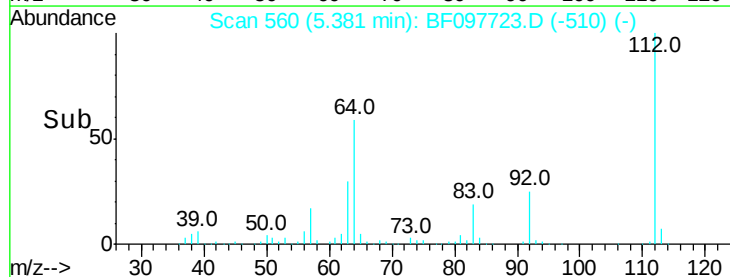
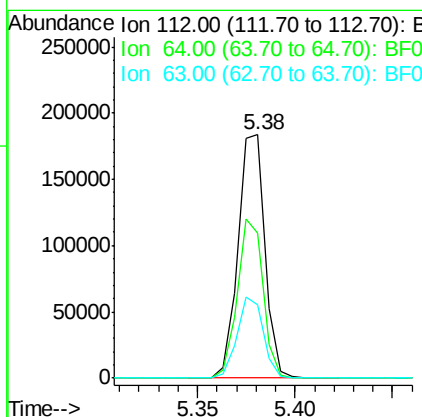
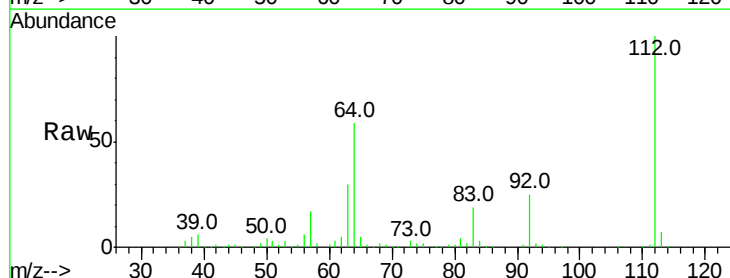
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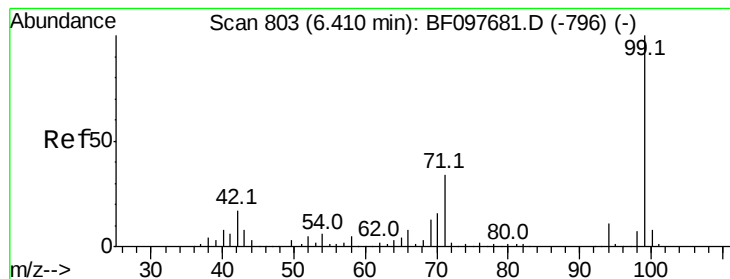


#5

2-Fluorophenol
Concen: 20.063 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.0	69.0
63	29.9	23.4	35.0





#7

Phenol-d6

Concen: 20.411 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097723.D

Acq: 16 Aug 2017 6:51

Instrument :

BNA_F

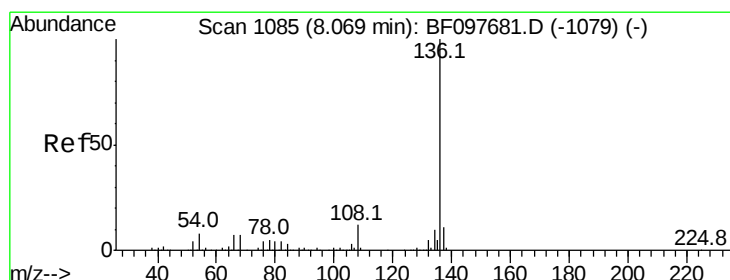
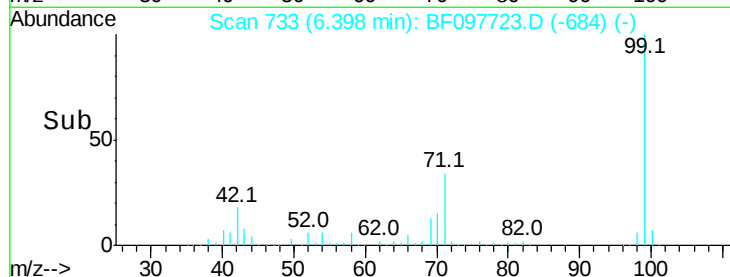
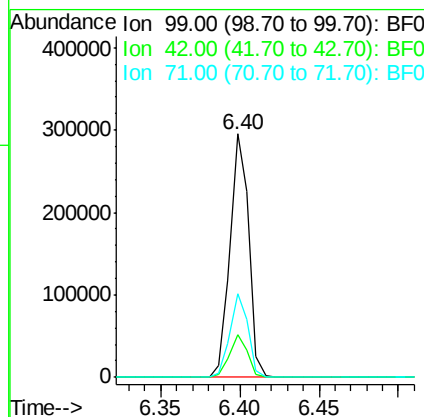
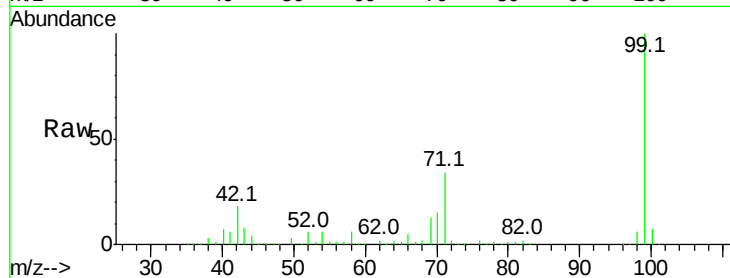
ClientSampleId :

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Tot Ion:	99	Resp:	241639
Ion Ratio	Lower	Upper	
99	100		
42	17.6	13.5	20.3
71	34.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

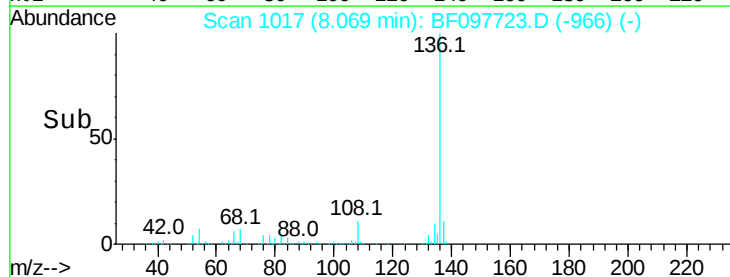
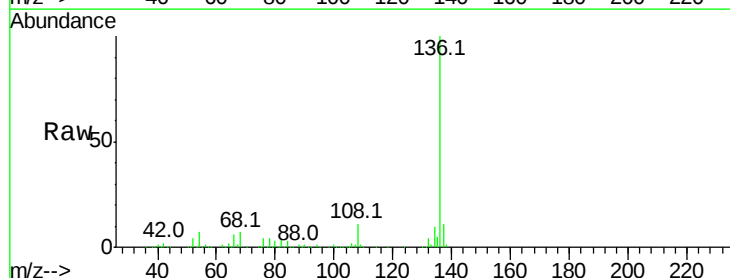
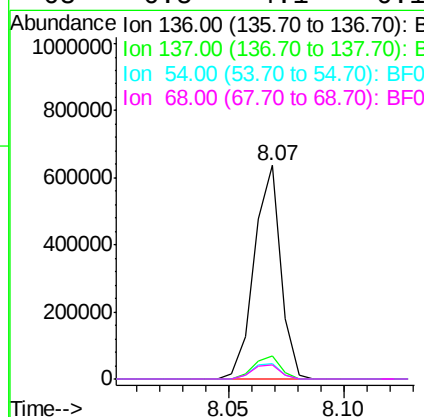
RT: 8.07 min Scan# 1017

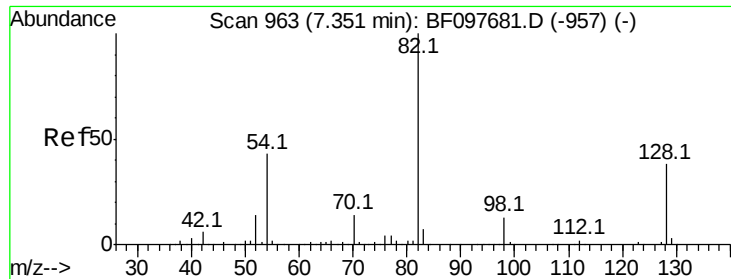
Delta R.T. 0.00 min

Lab File: BF097723.D

Acq: 16 Aug 2017 6:51

Tgt Ion:	136	Resp:	509915
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.5	12.7
54	7.4	4.9	7.3#
68	6.5	4.1	6.1#





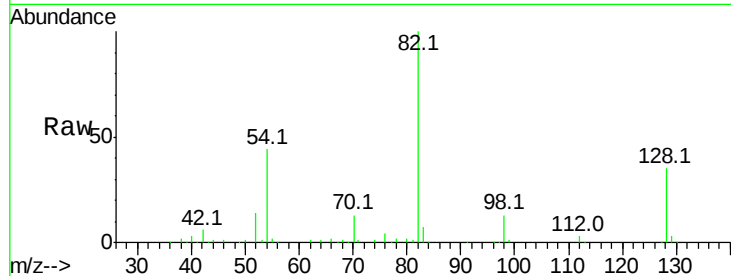
#23
Nitrobenzene-d5
Concen: 14.431 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

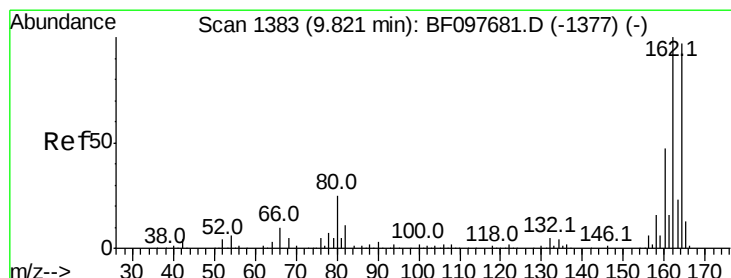
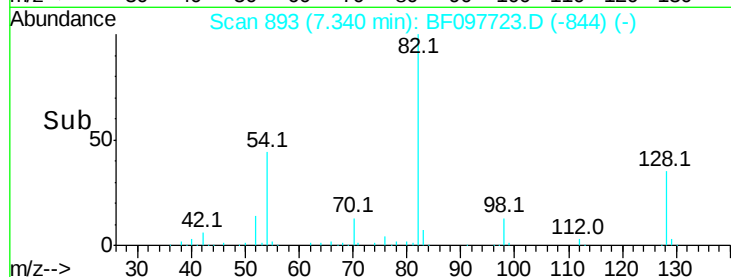
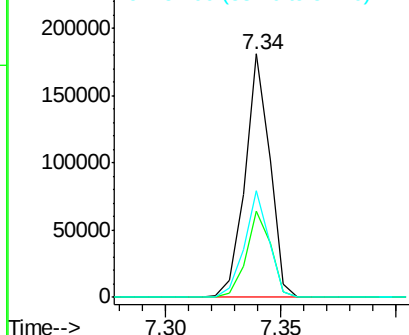
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.4	34.0	51.0	
54	43.9	42.2	63.2	

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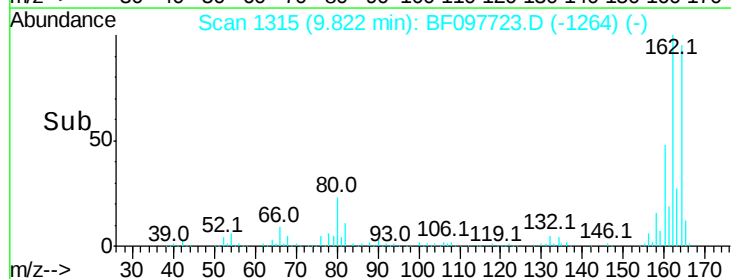
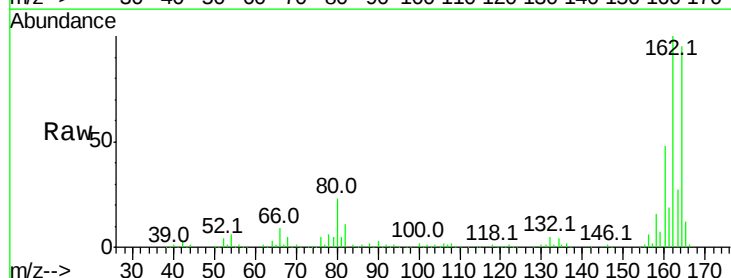
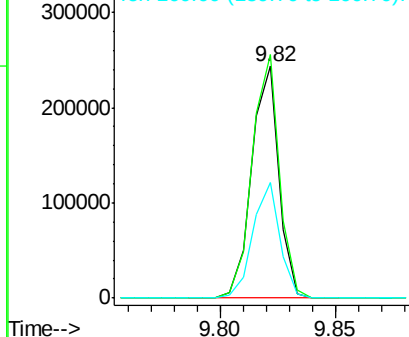
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

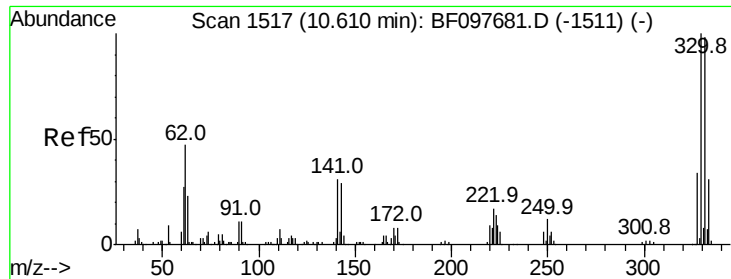


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.0	82.6	123.8	
160	50.0	36.2	54.2	

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





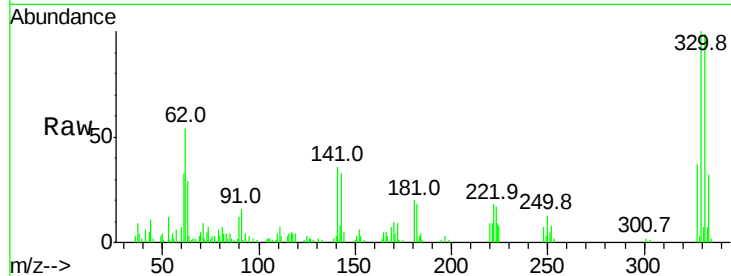
#41
 2,4,6-Tribromophenol
 Concen: 14.619 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097723.D
 Acq: 16 Aug 2017 6:51

Instrument :
 BNA_F
 ClientSampled :
 SB-28-COMP

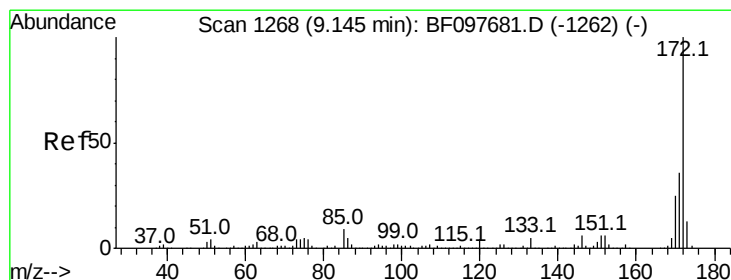
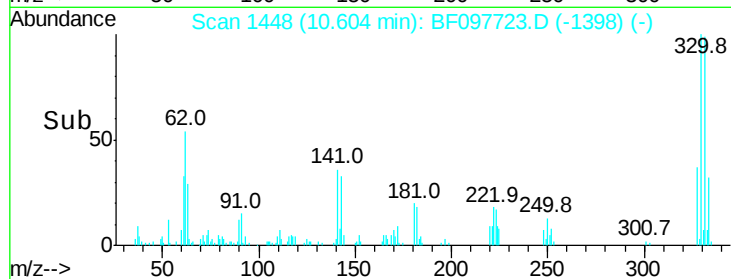
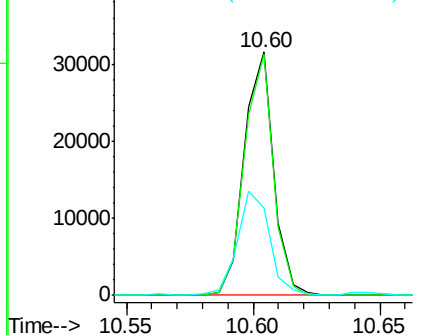
Tot Ion	Ratio	Resp	Lower	Upper
330	100	25404		
332	97.0	76.6	115.0	
141	46.9	31.4	47.2	

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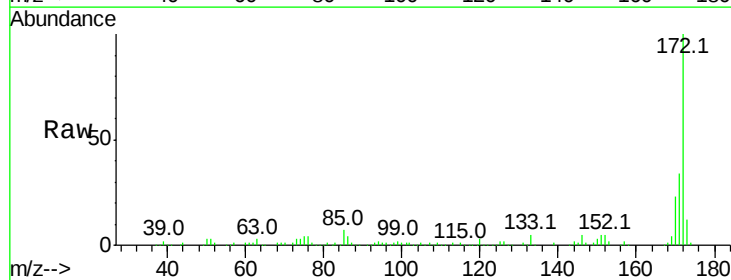


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

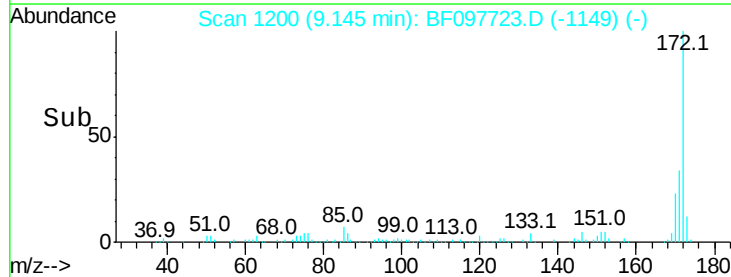
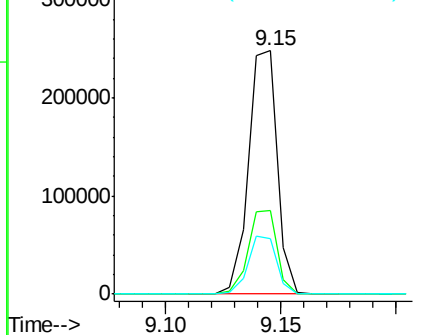


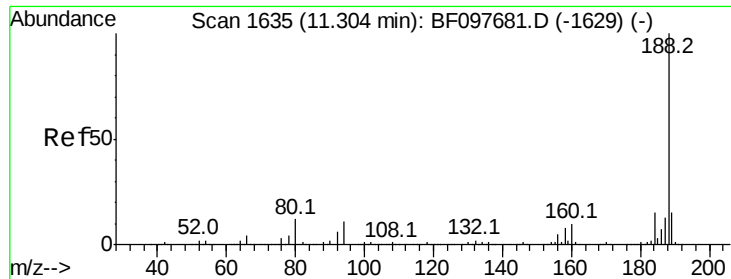
#44
 2-Fluorobiphenyl
 Concen: 15.906 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF097723.D
 Acq: 16 Aug 2017 6:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	216832		
171	34.5	29.6	44.4	
170	22.9	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





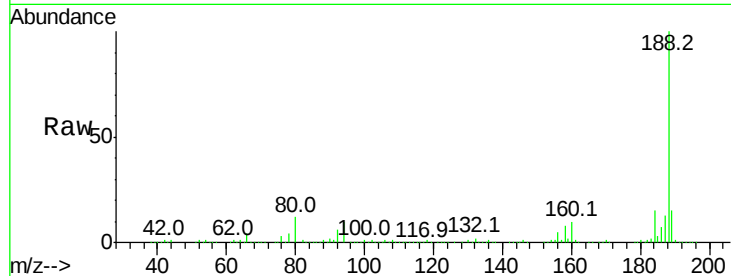
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

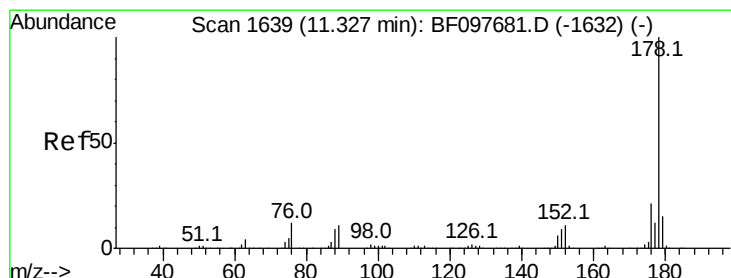
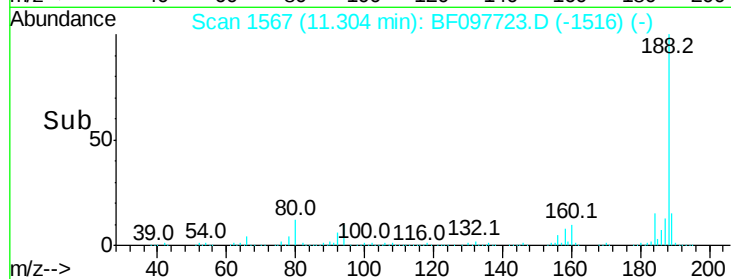
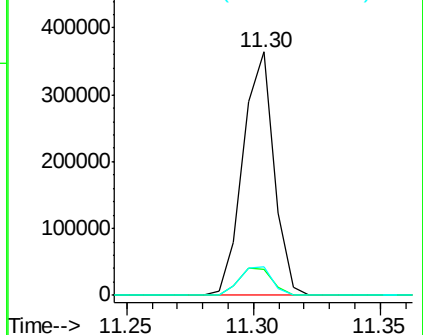
Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.5	9.4	14.2
80	11.5	10.2	15.2

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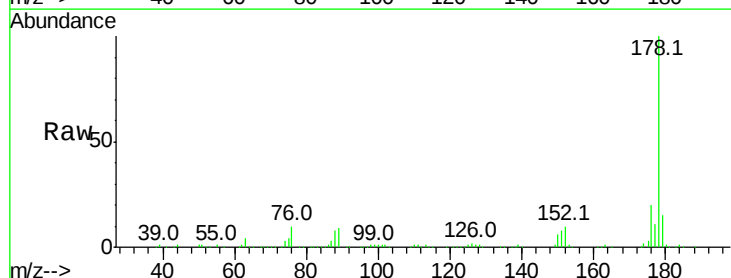


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

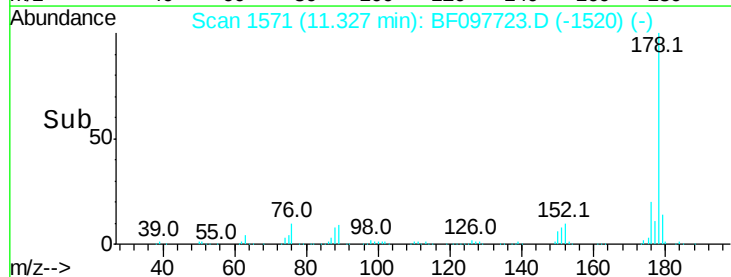
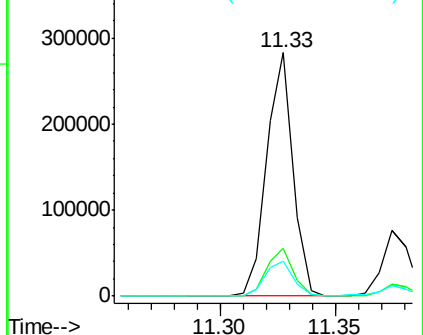


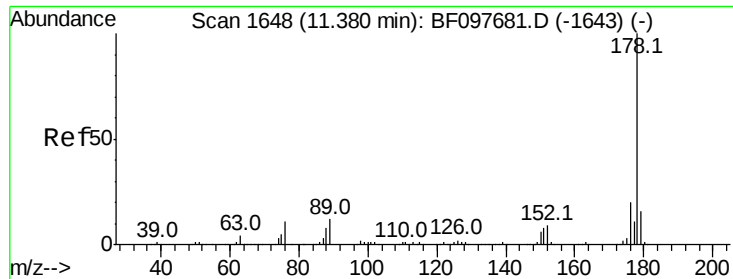
#70
Phenanthrene
Concen: 13.659 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	16.2	24.4
179	14.5	12.6	19.0



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





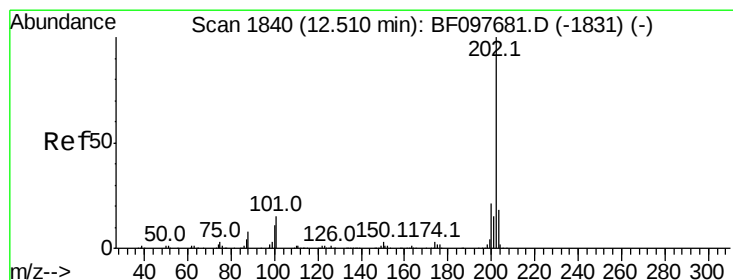
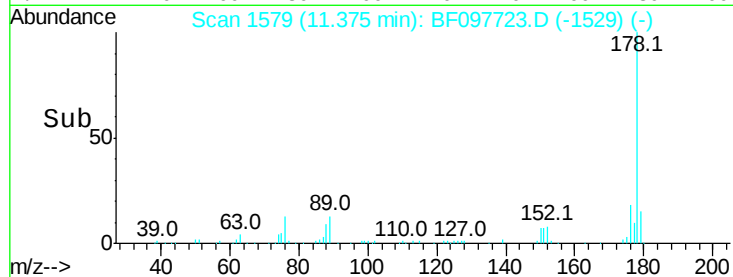
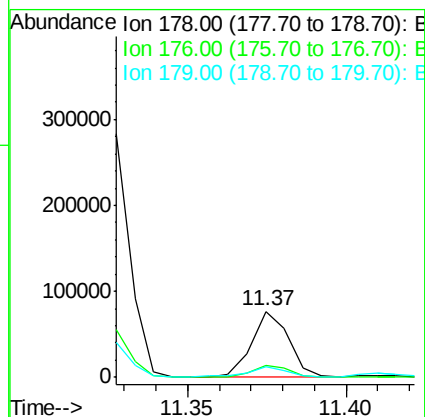
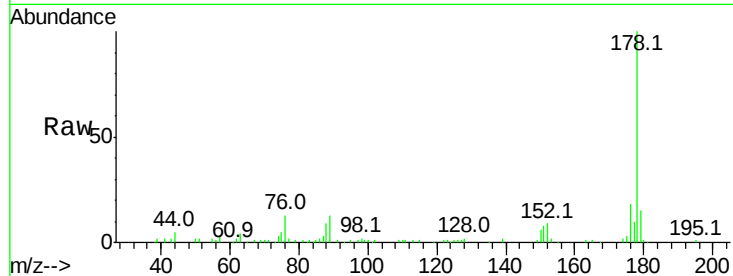
#71
 Anthracene
 Concen: 3.711 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF097723.D
 Acq: 16 Aug 2017 6:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-28-COMP

Tot Ion:	178	Resp:	61818
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.8	23.8
179	15.4	12.7	19.1

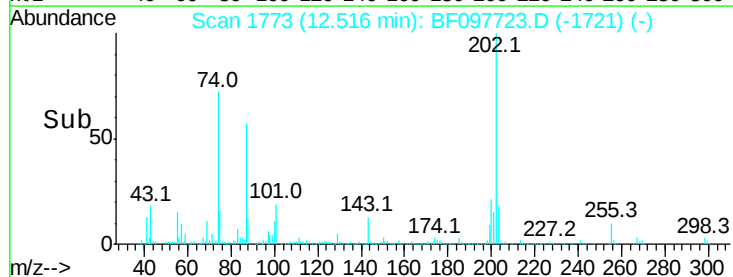
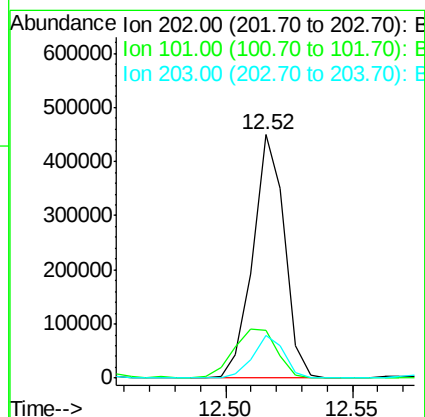
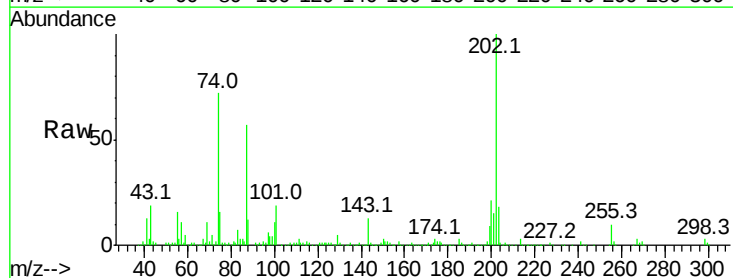
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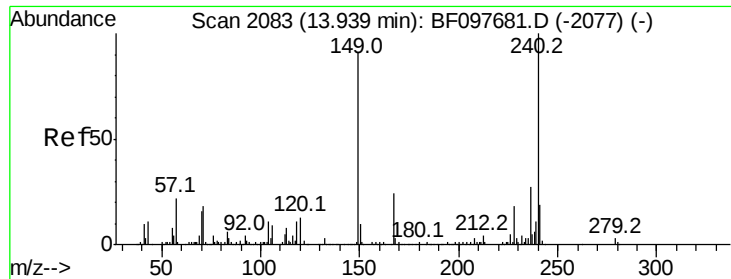
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#74
 Fluoranthene
 Concen: 22.738 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BF097723.D
 Acq: 16 Aug 2017 6:51

Tgt Ion:	202	Resp:	389734
Ion Ratio	Lower	Upper	
202	100		
101	19.4	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BF097723.D

Acq: 16 Aug 2017 6:51

Instrument :

BNA_F

ClientSampleId :

SB-28-COMP

Tot Ion:240 Resp: 292488

Ion Ratio Lower Upper

240 100

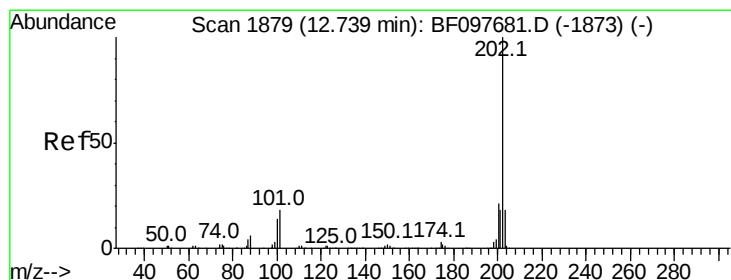
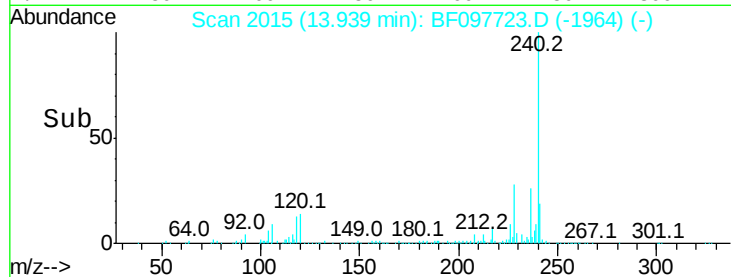
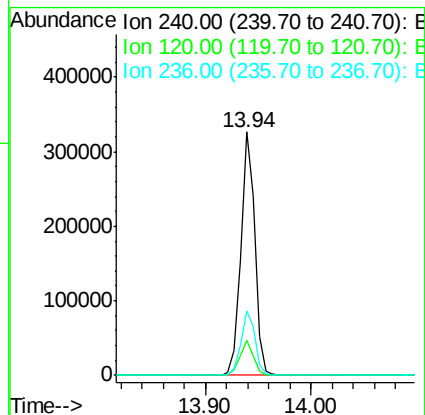
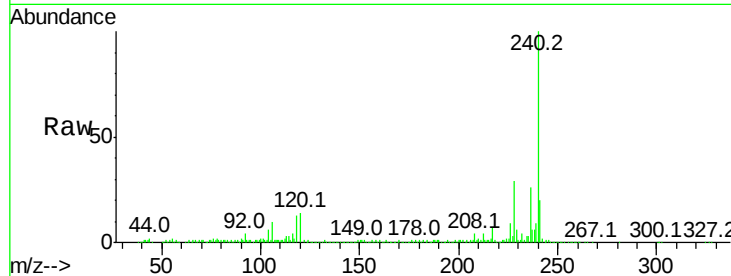
120 14.4 5.8 8.8#

236 26.3 20.5 30.7

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#77

Pyrene

Concen: 18.285 ng

RT: 12.75 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BF097723.D

Acq: 16 Aug 2017 6:51

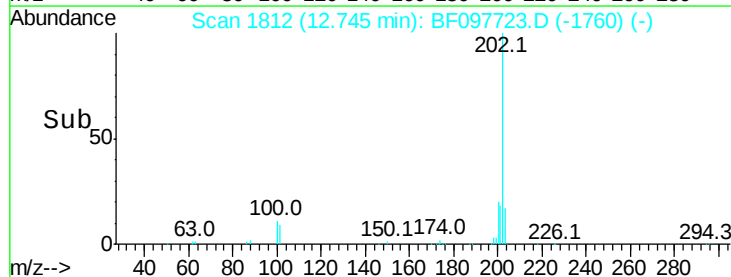
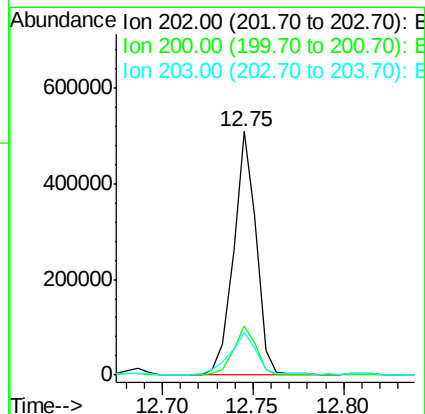
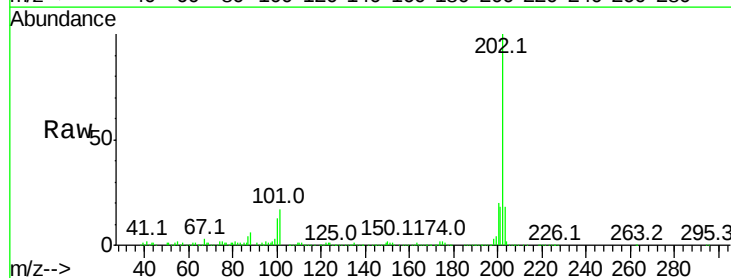
Tgt Ion:202 Resp: 437405

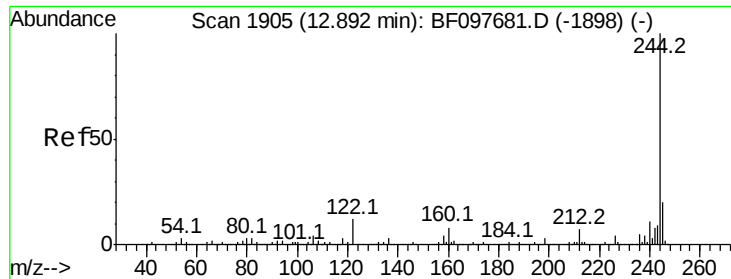
Ion Ratio Lower Upper

202 100

200 20.0 17.6 26.4

203 17.7 14.4 21.6





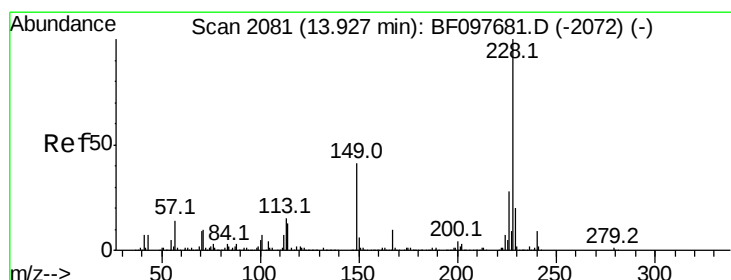
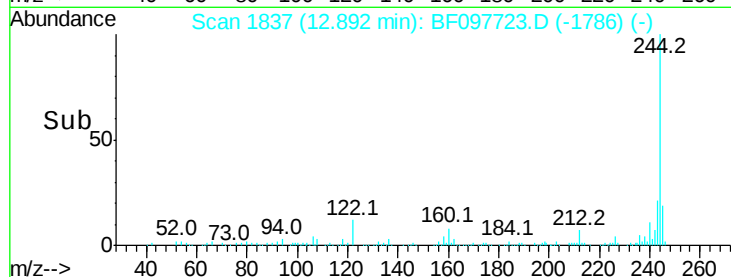
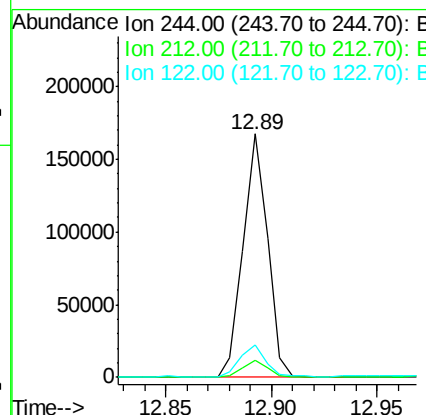
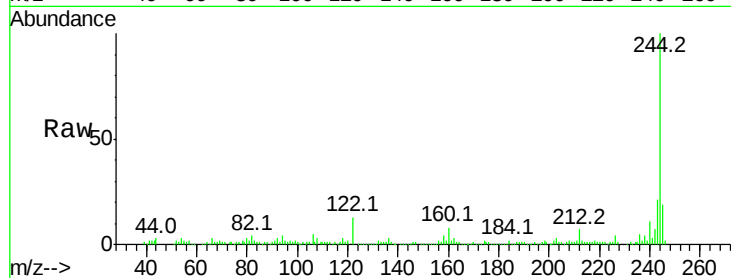
#78
 Terphenyl-d14
 Concen: 9.514 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: BF097723.D
 Acq: 16 Aug 2017 6:51

Instrument :
 BNA_F
 ClientSampleId :
 SB-28-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	13.1	10.3	15.5

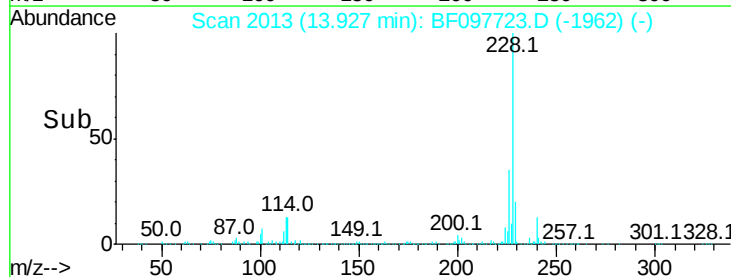
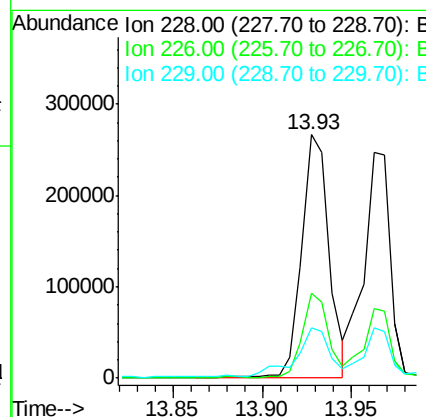
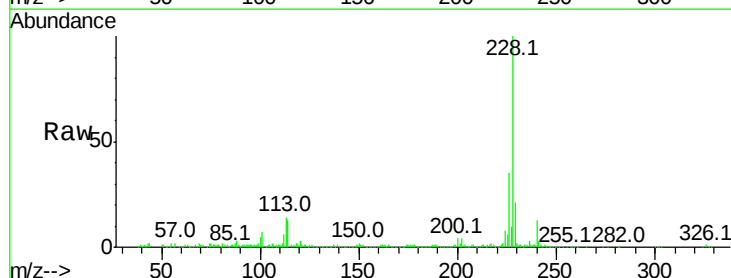
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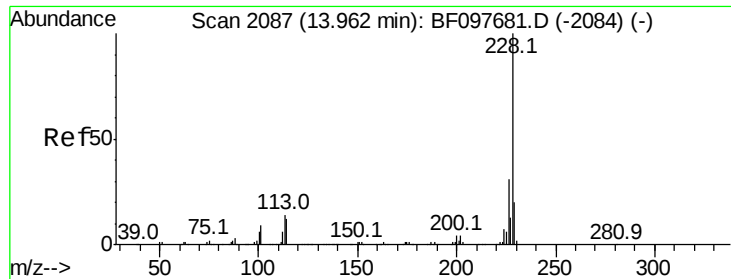
Sohil
 8/16/2017 6:46:01 PM



#80
 Benzo(a)anthracene
 Concen: 16.261 ng m
 RT: 13.93 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF097723.D
 Acq: 16 Aug 2017 6:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.0	22.6	33.8#
229	20.7	16.3	24.5





#82

Chrysene

Concen: 14.754 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF097723.D

Acq: 16 Aug 2017 6:51

Instrument :

BNA_F

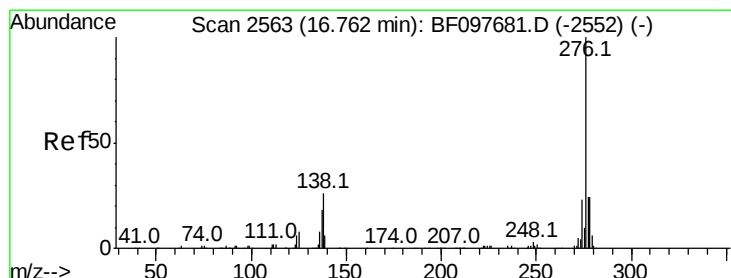
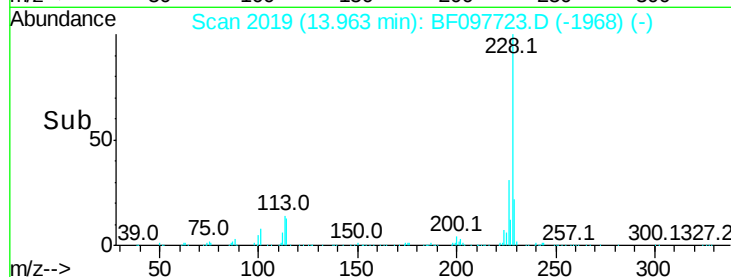
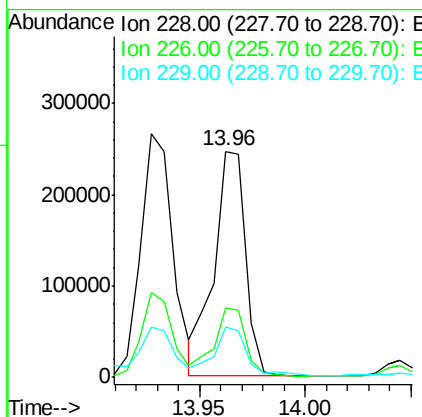
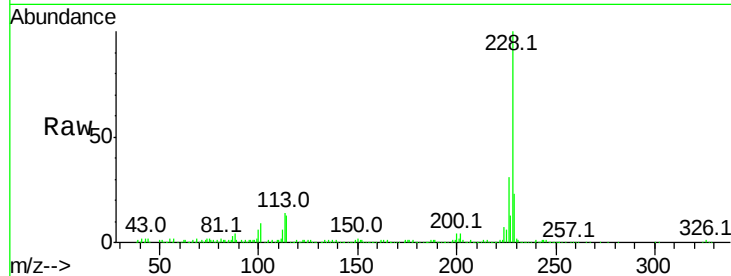
ClientSampleId :

SB-28-COMP

Tot Ion:	228	Resp:	257286
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.9	37.3
229	22.5	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 6.980 ng m

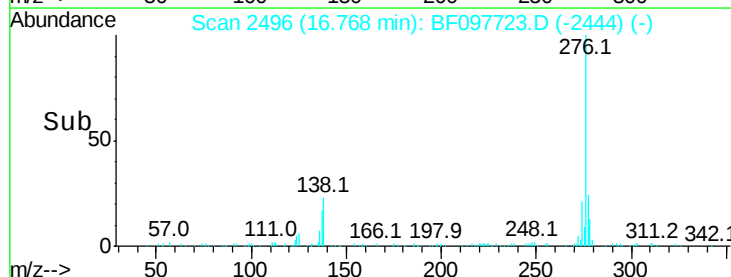
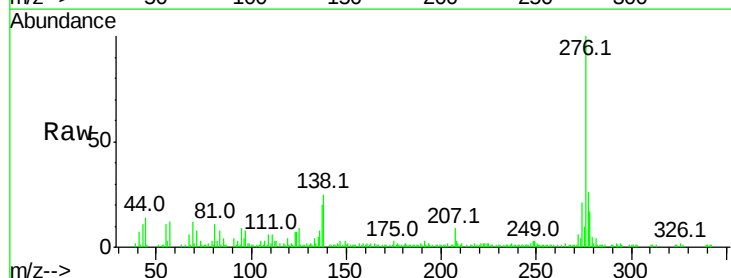
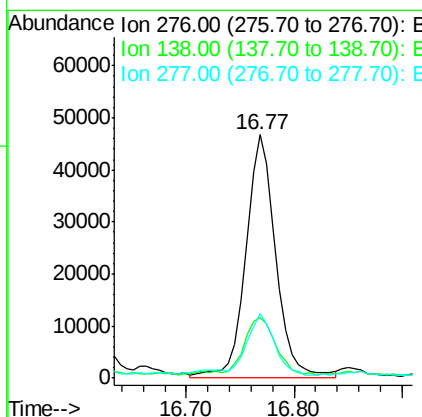
RT: 16.77 min Scan# 2496

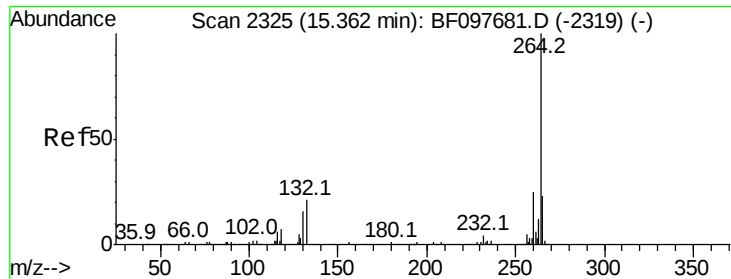
Delta R.T. 0.01 min

Lab File: BF097723.D

Acq: 16 Aug 2017 6:51

Tgt Ion:	276	Resp:	89547
Ion Ratio	Lower	Upper	
276	100		
138	5.9	27.8	41.6#
277	5.0	20.2	30.4#





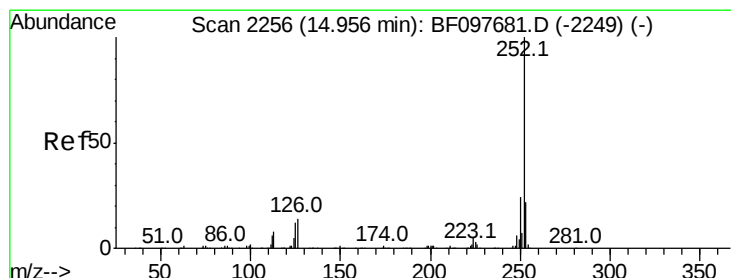
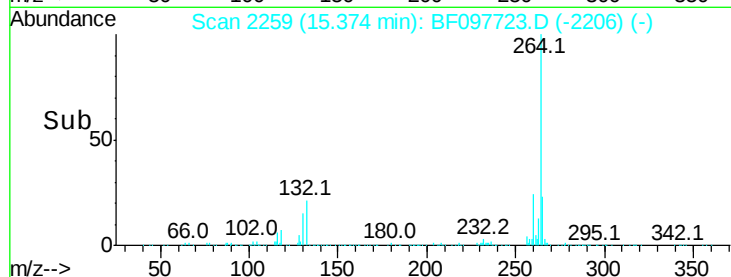
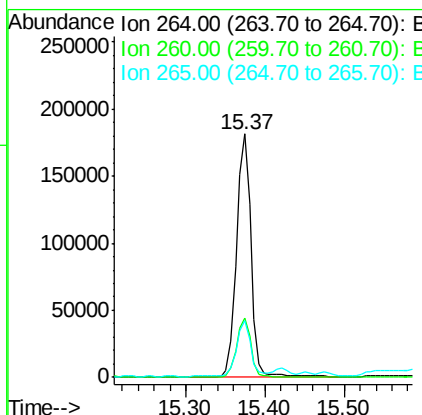
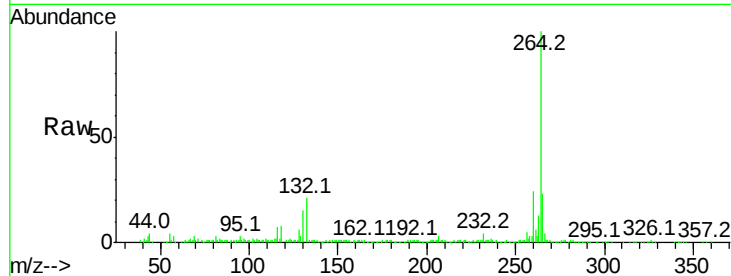
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.1	19.5	29.3
265	23.2	17.2	25.8

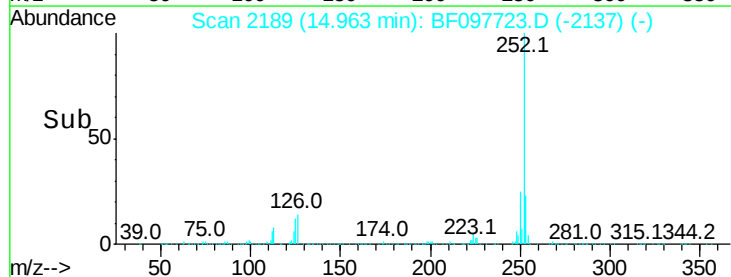
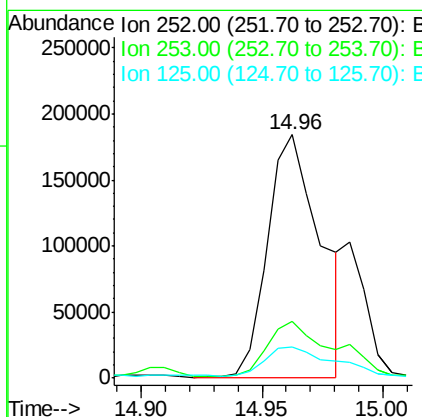
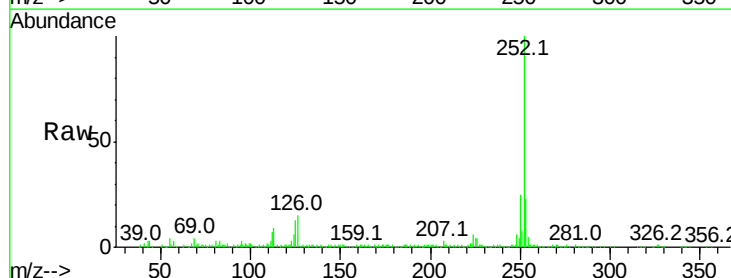
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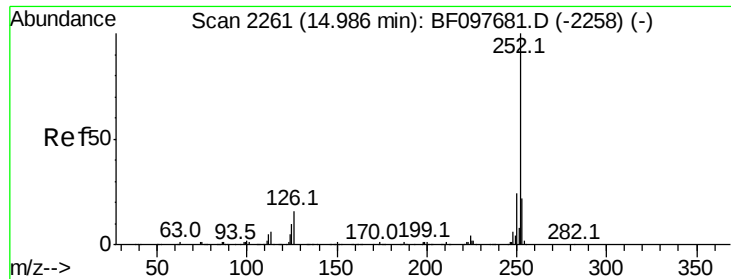
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#87
Benzo(b)fluoranthene
Concen: 19.220 ng m
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	18.1	27.1
125	13.0	9.8	14.8





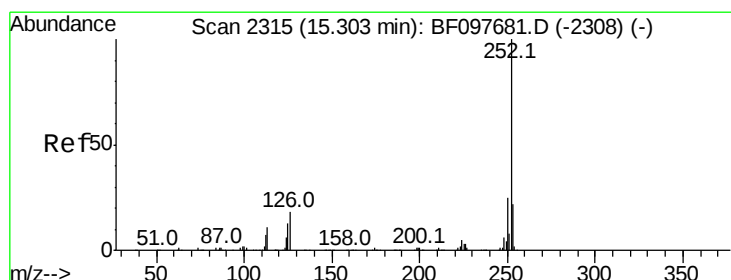
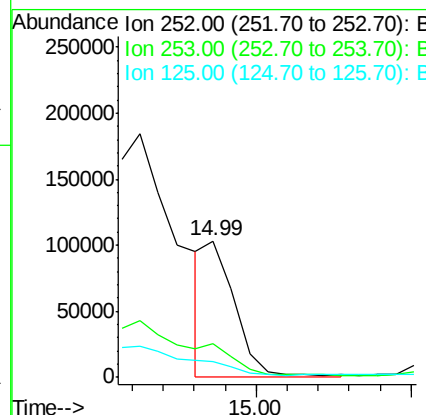
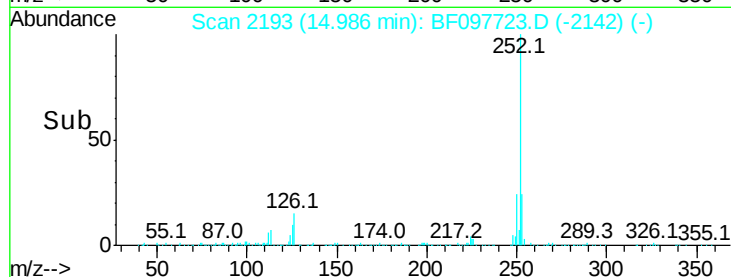
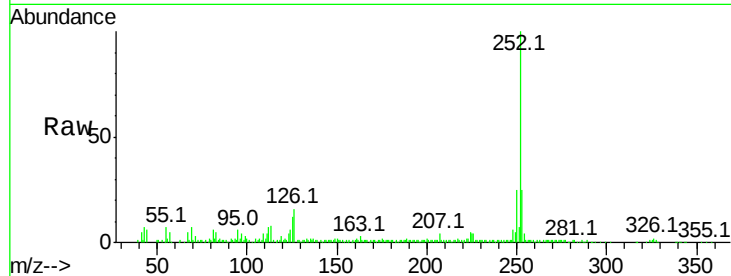
#88
Benzo(k)fluoranthene
Concen: 5.188 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	12.0	13.1	19.7

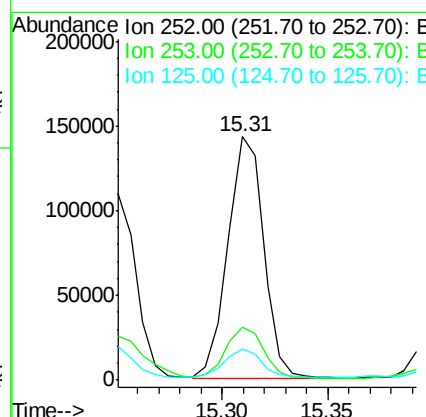
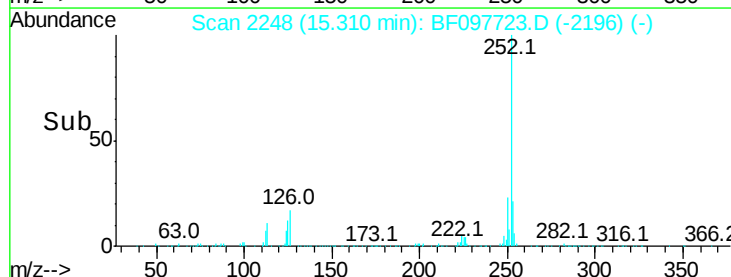
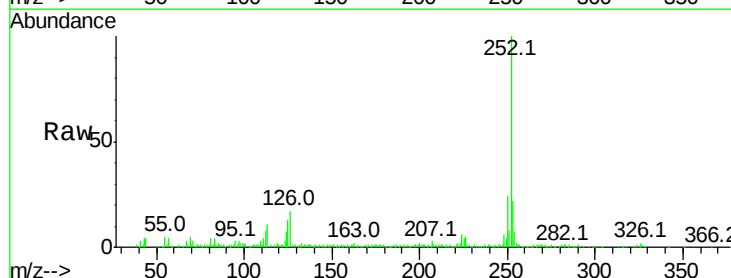
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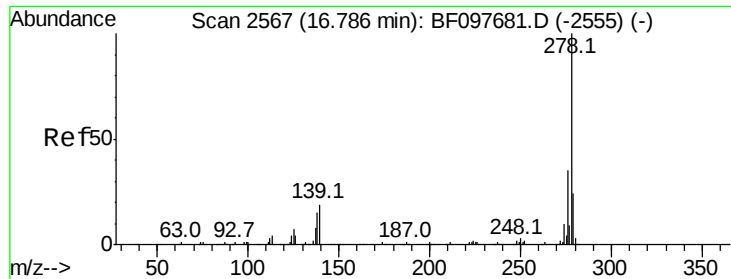
Sohil
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#89
Benzo(a)pyrene
Concen: 12.984 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.9	11.0	16.4





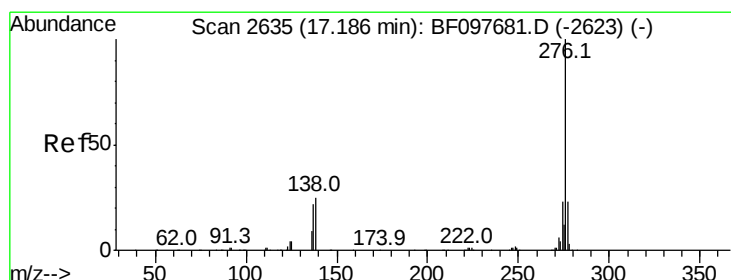
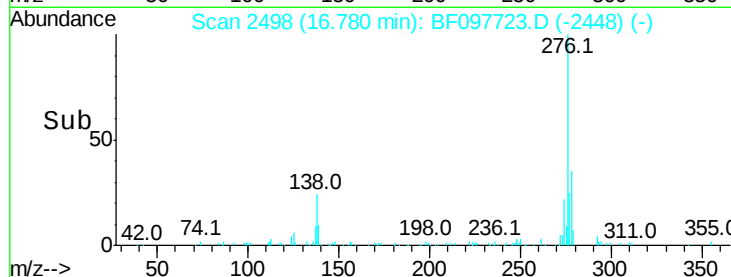
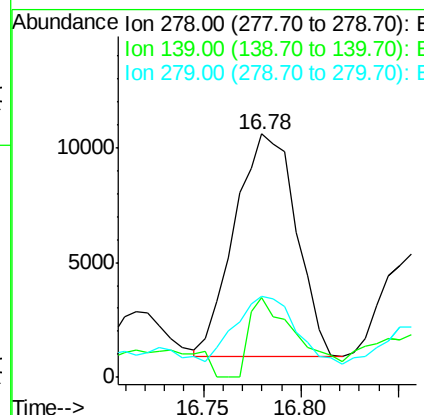
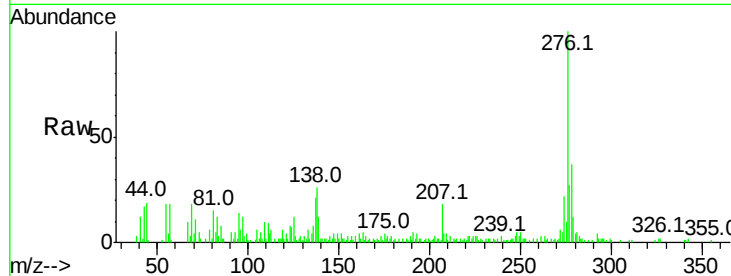
#90
Dibenzo(a,h)anthracene
Concen: 2.047 ng m
RT: 16.78 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Instrument :
BNA_F
ClientSampleId :
SB-28-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.6	16.6	24.8#
279	33.2	19.3	28.9#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.102 ng
RT: 17.19 min Scan# 2568
Delta R.T. 0.01 min
Lab File: BF097723.D
Acq: 16 Aug 2017 6:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	26.3	25.4	38.0

