

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097721.D
 Acq On : 16 Aug 2017 5:54
 Operator : SJ/JU
 Sample : I4751-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

Manual Integrations
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Sohil
 8/16/2017 6:49:27 PM

Quant Time: Aug 16 12:01:32 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	125227	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	479991	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	192723	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	294469	20.00	ng	0.00
75) Chrysene-d12	13.95	240	236945	20.00	ng	0.01
86) Perylene-d12	15.38	264	204348	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	481557	58.49	ng	0.00
7) Phenol-d6	6.41	99	745442	66.64	ng	0.00
23) Nitrobenzene-d5	7.35	82	445568	50.43	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	60578	36.23	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	574499	43.80	ng	0.00
78) Terphenyl-d14	12.90	244	353717	31.13	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.09	128	102495	4.113	ng	99
37) 2-Methylnaphthalene	8.78	142	46048	3.014	ng	98
48) Acenaphthylene	9.68	152	110164	5.402	ng	99
49) Dimethylphthalate	9.54	163	104008	7.383	ng	97
51) Acenaphthene	9.85	154	179857	13.985	ng	98
54) Dibenzofuran	10.02	168	129121	7.491	ng	# 96
57) Fluorene	10.37	166	190674	14.308	ng	100
70) Phenanthrene	11.34	178	2012560	128.259	ng	100
71) Anthracene	11.38	178	523285	32.879	ng	99
72) Carbazole	11.53	167	198803	13.160	ng	97
74) Fluoranthene	12.53	202	2667456	162.867	ng	99
77) Pyrene	12.76	202	2523088	130.194	ng	99
80) Benzo(a)anthracene	13.94	228	1438321	101.283	ng	97
82) Chrysene	13.98	228	1234630	87.396	ng	96
85) Indeno(1,2,3-cd)pyrene	16.79	276	489938m	47.145	ng	
87) Benzo(b)fluoranthene	14.98	252	1409928m	109.461	ng	
88) Benzo(k)fluoranthene	15.00	252	494277m	40.844	ng	
89) Benzo(a)pyrene	15.33	252	976227	85.612	ng	97
90) Dibenzo(a,h)anthracene	16.80	278	122123	13.155	ng	96
91) Benzo(a,h,i)perylene	17.22	276	443962	45.833	ng	93

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

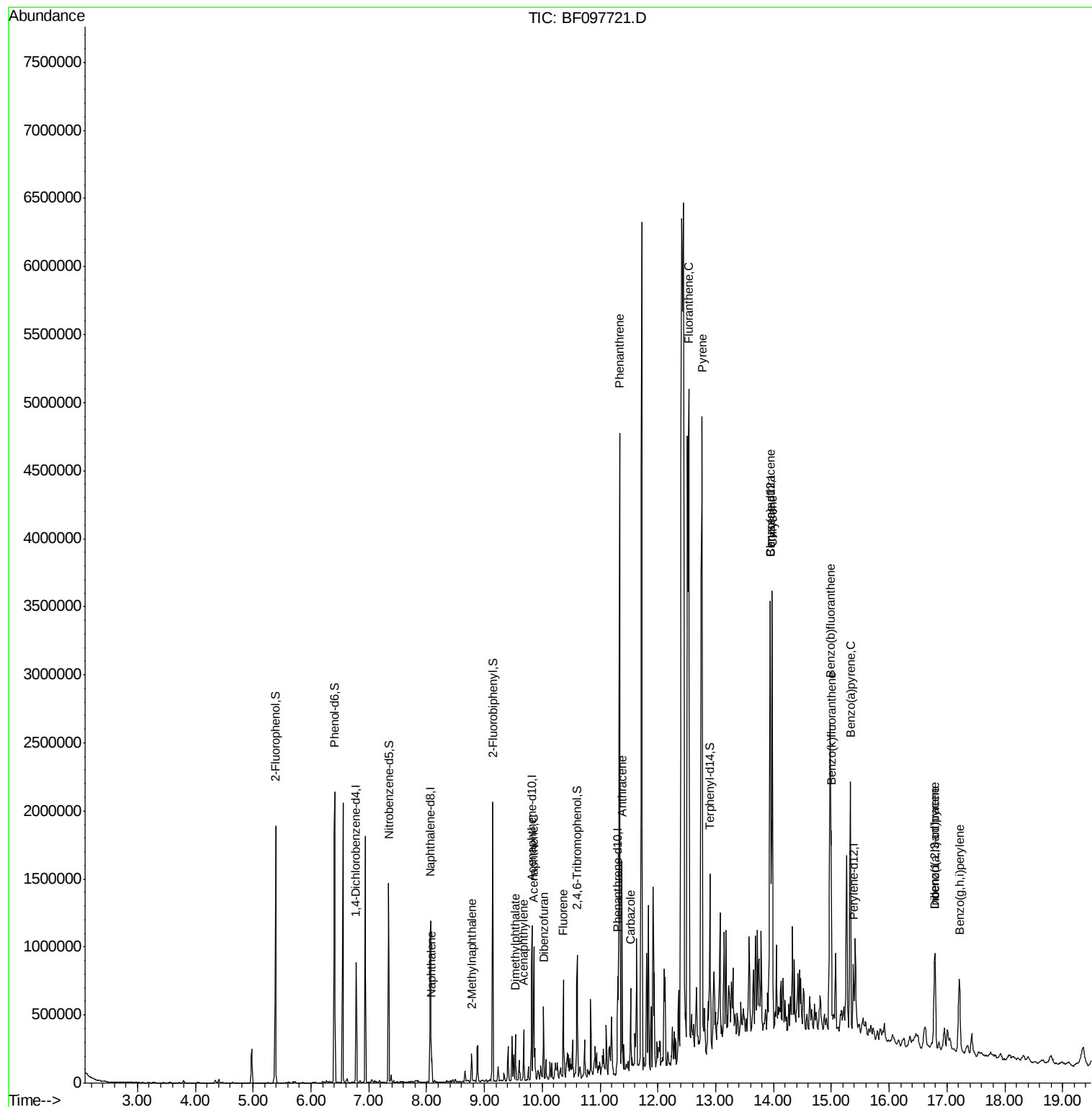
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097721.D
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Misc :
ALS Vial : 34 Sample Multiplier: 1

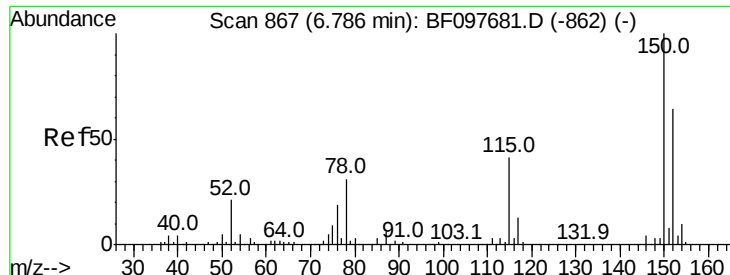
Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

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#1

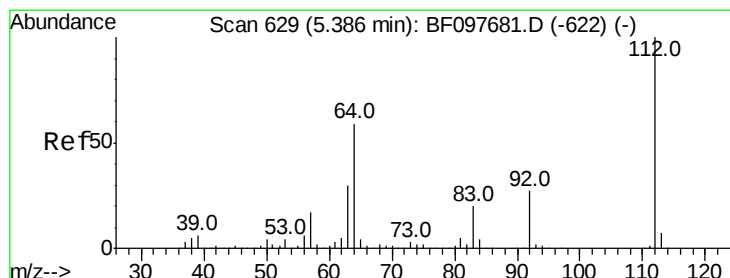
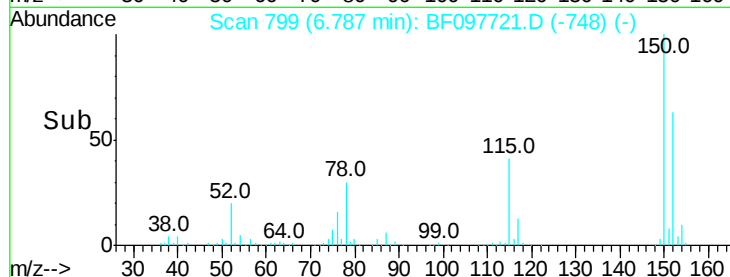
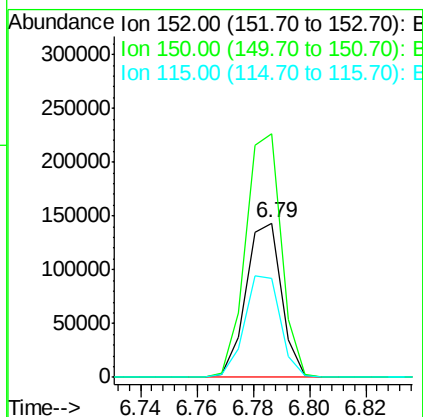
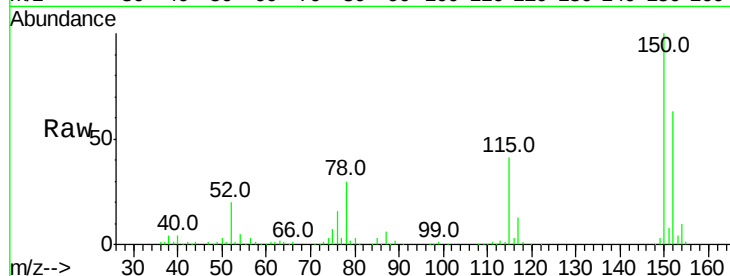
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF097721.D
Acq: 16 Aug 2017 5:54

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	64.2	52.2	78.2

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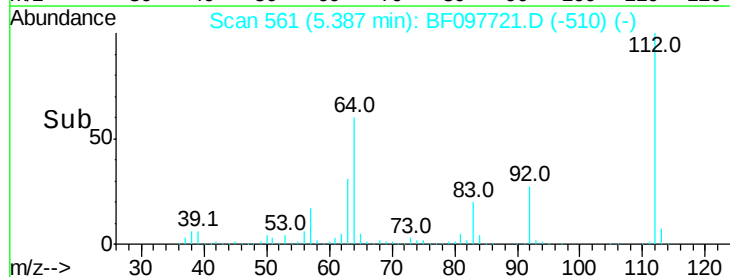
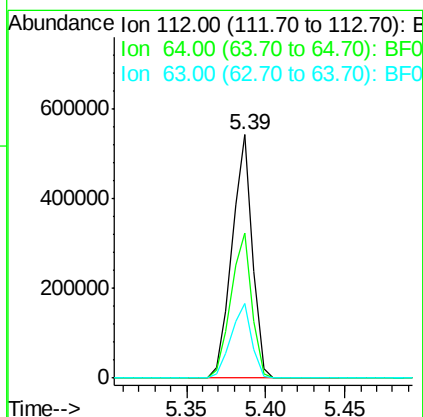
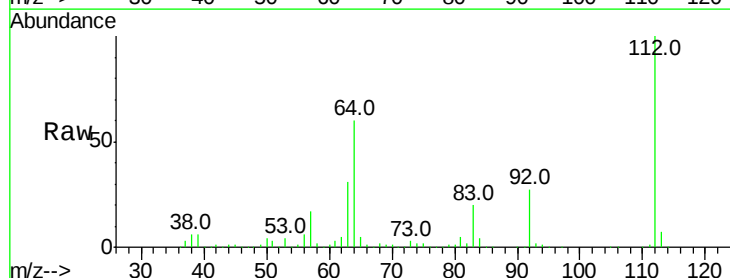
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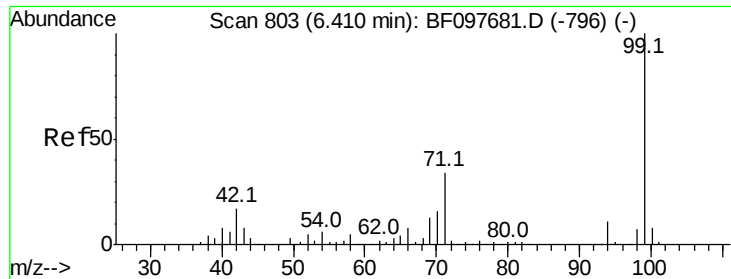


#5

2-Fluorophenol
Concen: 58.492 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF097721.D
Acq: 16 Aug 2017 5:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	46.0	69.0
63	30.7	23.4	35.0





#7

Phenol-d6

Concen: 66.641 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Instrument :

BNA_F

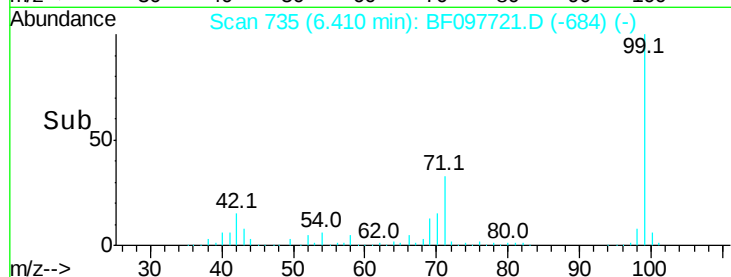
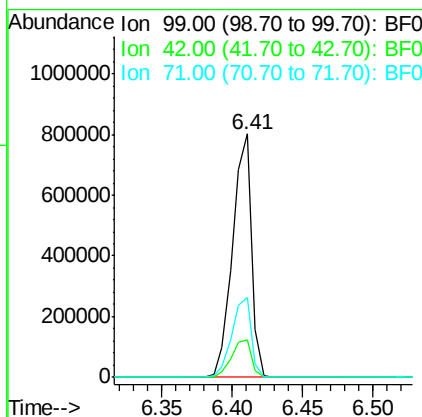
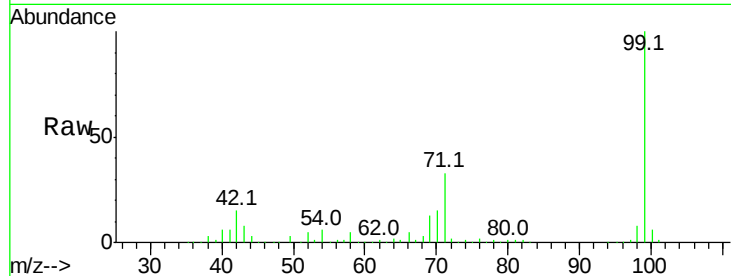
ClientSampled :

SB-23-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		745442		
42	15.5	13.5	20.3		
71	32.6	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

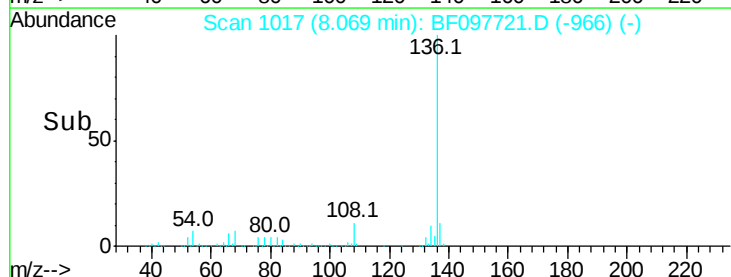
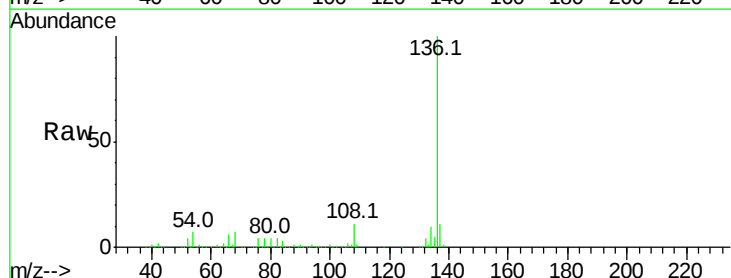
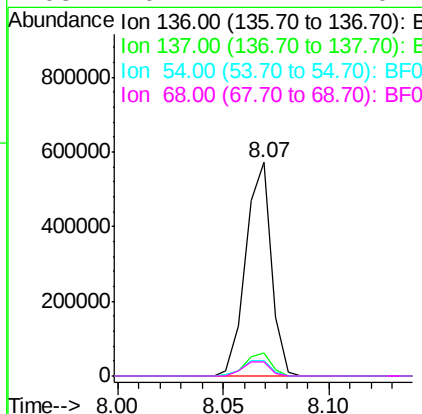
RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		479991		
137	10.7	8.5	12.7		
54	7.1	4.9	7.3		
68	6.7	4.1	6.1#		





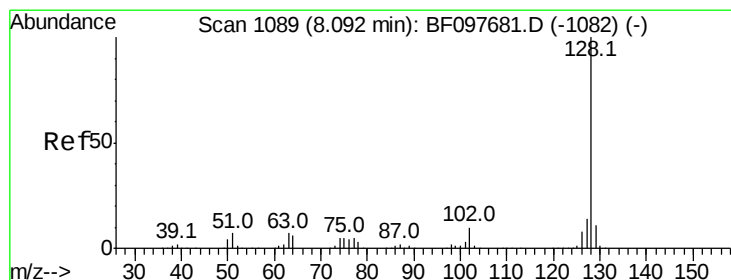
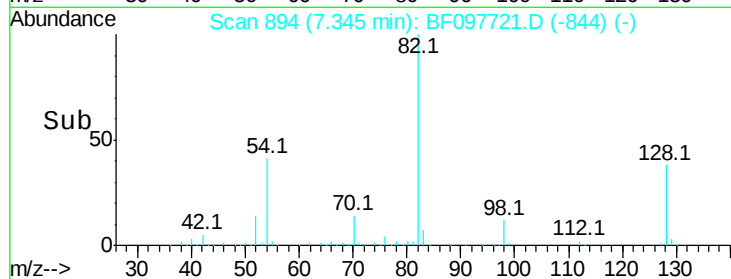
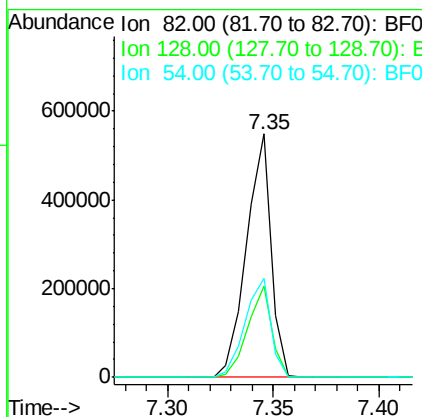
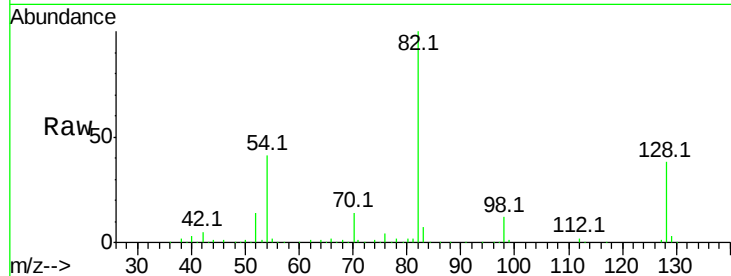
#23
 Nitrobenzene-d5
 Concen: 50.429 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BF097721.D
 Acq: 16 Aug 2017 5:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.6	34.0	51.0	
54	40.8	42.2	63.2	

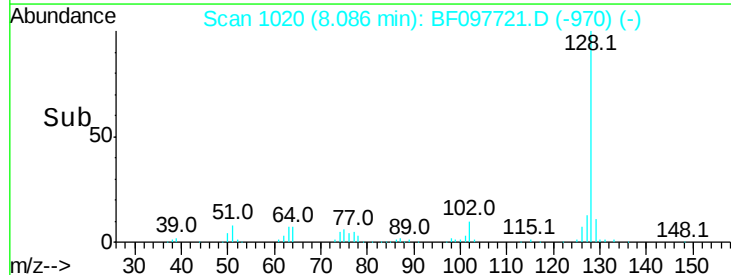
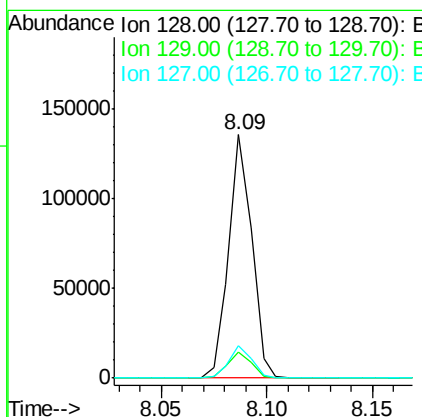
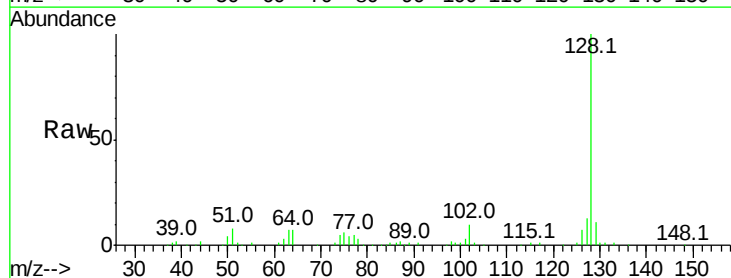
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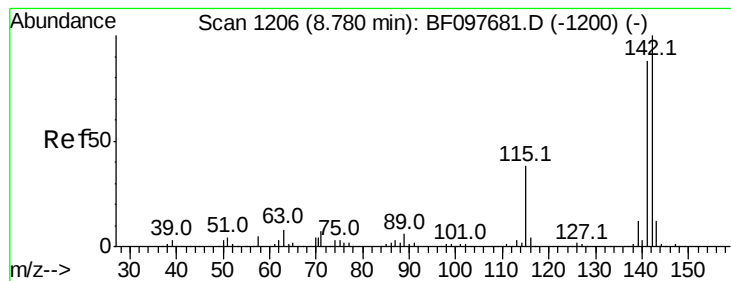
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#31
 Naphthalene
 Concen: 4.113 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF097721.D
 Acq: 16 Aug 2017 5:54

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.8	9.0	13.6	
127	13.2	10.8	16.2	





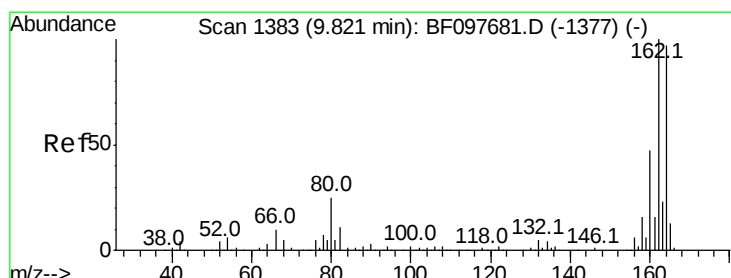
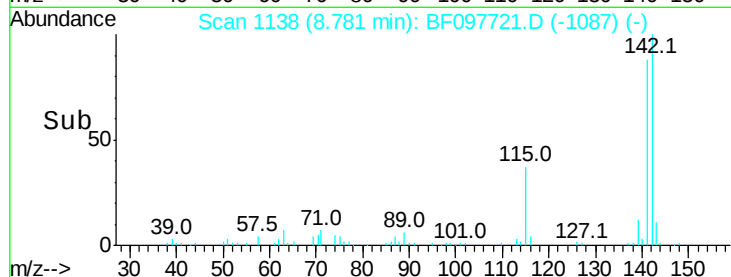
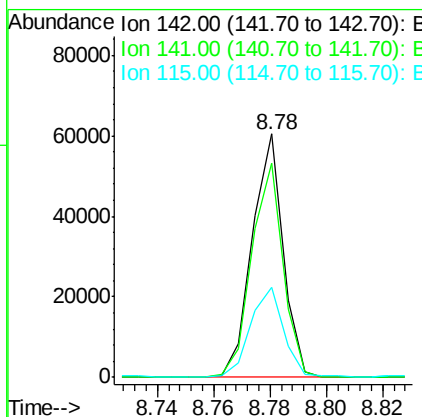
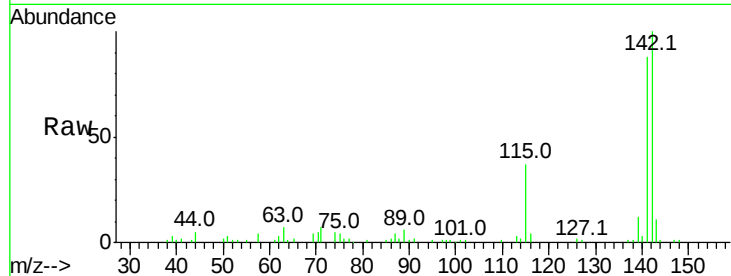
#37
2-Methylnaphthalene
Concen: 3.014 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BF097721.D
Acq: 16 Aug 2017 5:54

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9
115	37.1	27.1	40.7

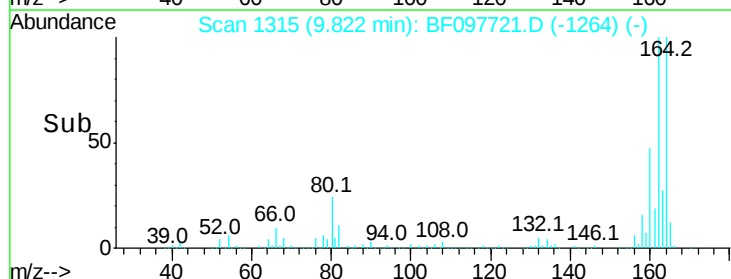
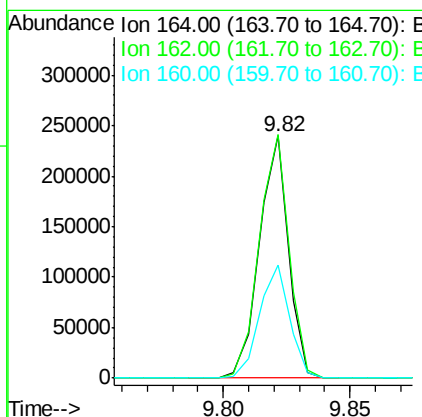
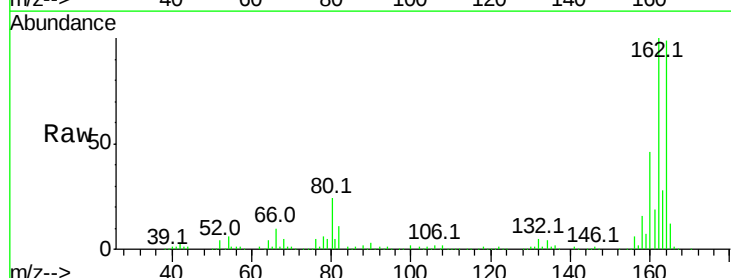
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BF097721.D
Acq: 16 Aug 2017 5:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.6	123.8
160	46.7	36.2	54.2





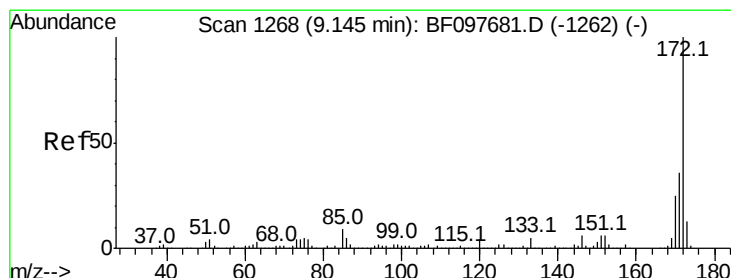
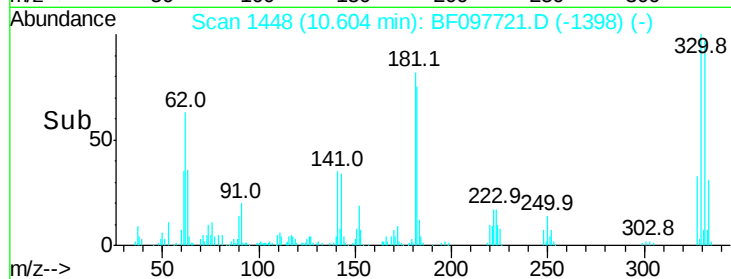
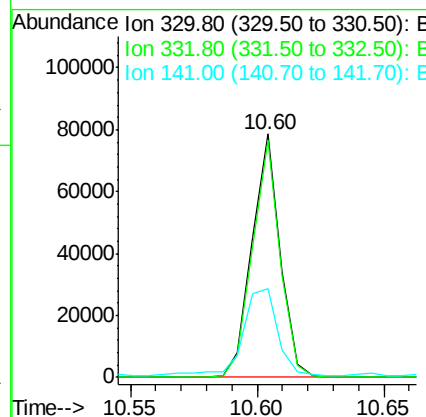
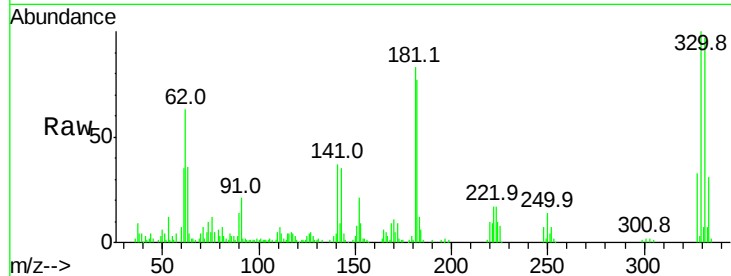
#41
 2,4,6-Tribromophenol
 Concen: 36.227 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097721.D
 Acq: 16 Aug 2017 5:54

Instrument :
 BNA_F
 ClientSampled :
 SB-23-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	60578		
332	95.6	76.6	115.0	
141	45.5	31.4	47.2	

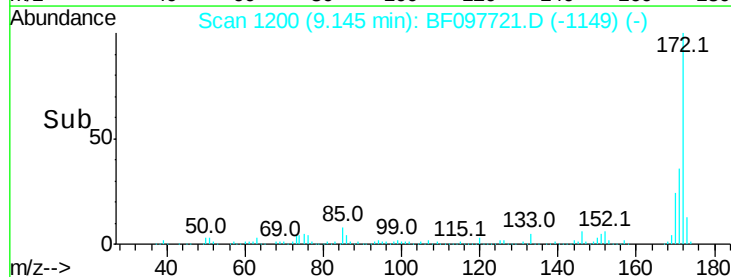
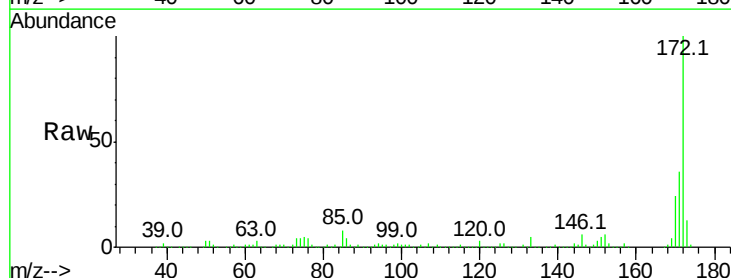
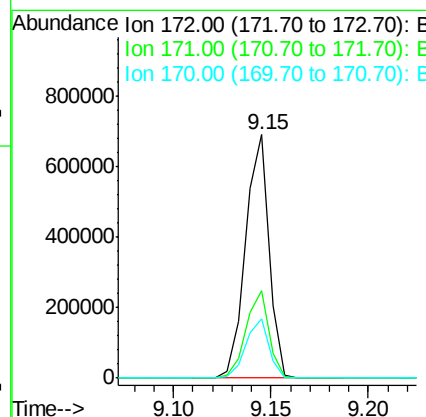
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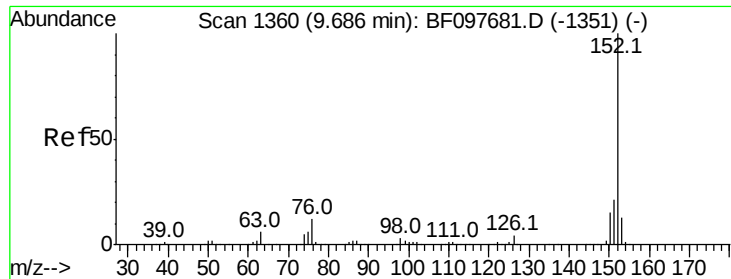
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#44
 2-Fluorobiphenyl
 Concen: 43.796 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF097721.D
 Acq: 16 Aug 2017 5:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	574499		
171	36.1	29.6	44.4	
170	24.1	19.8	29.8	





#48

Acenaphthylene

Concen: 5.402 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Instrument :

BNA_F

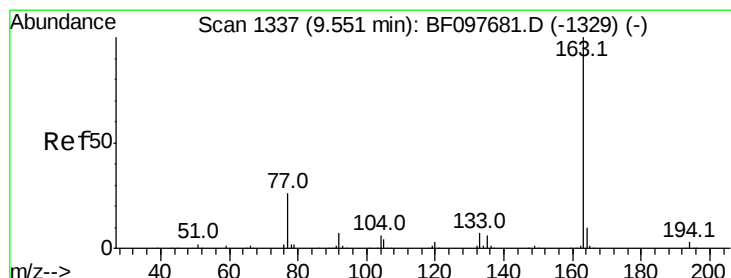
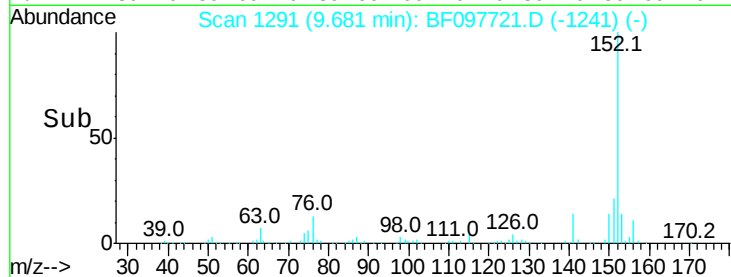
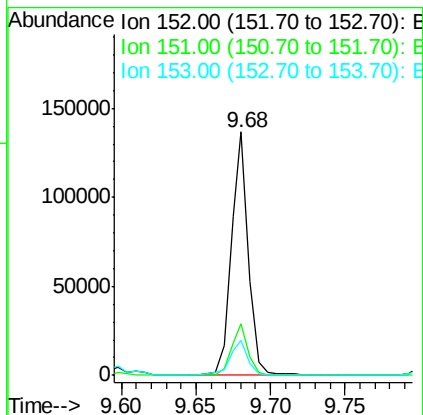
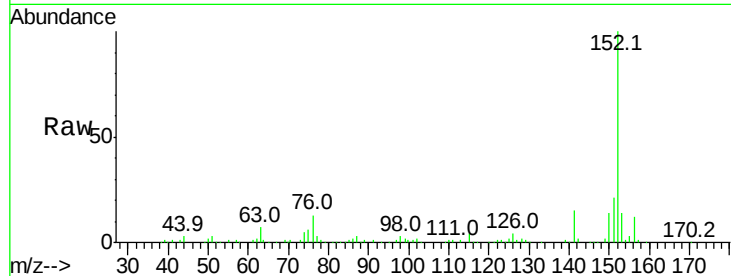
ClientSampleId :

SB-23-COMP

Tot Ion:	152	Resp:	110164
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.8	25.2
153	14.2	10.8	16.2

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#49

Dimethylphthalate

Concen: 7.383 ng

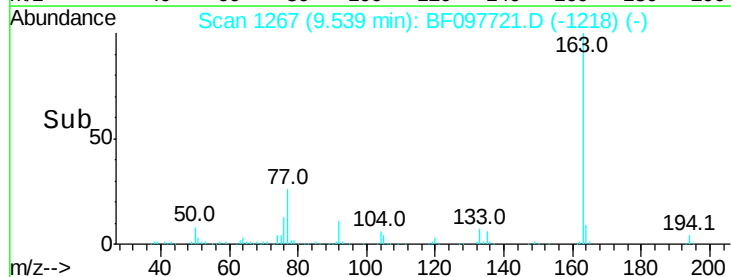
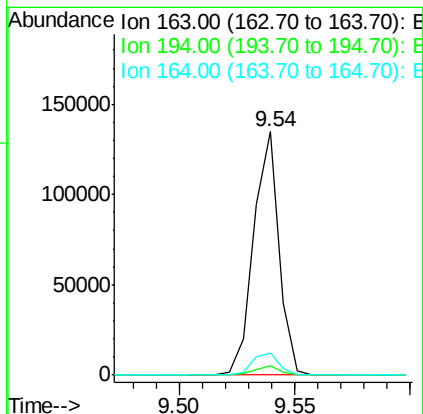
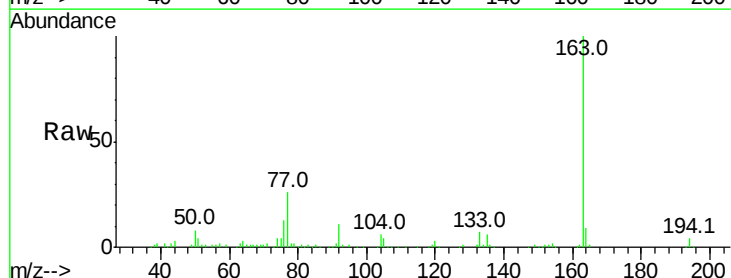
RT: 9.54 min Scan# 1267

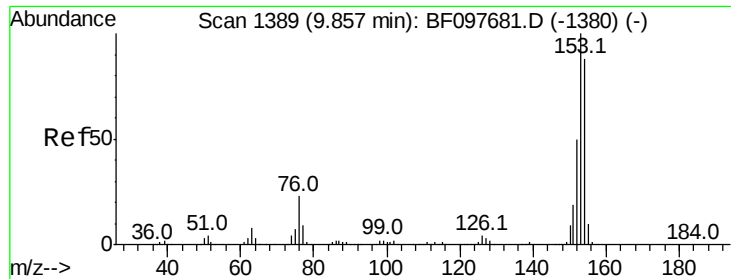
Delta R.T. -0.01 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Tgt Ion:	163	Resp:	104008
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	9.3	8.4	12.6





#51

Acenaphthene

Concen: 13.985 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Instrument :

BNA_F

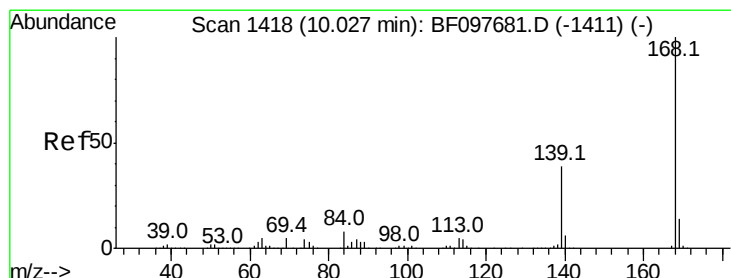
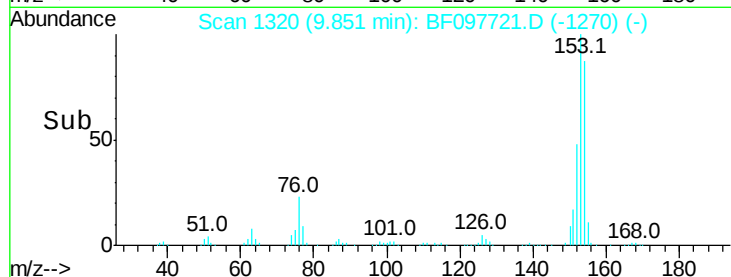
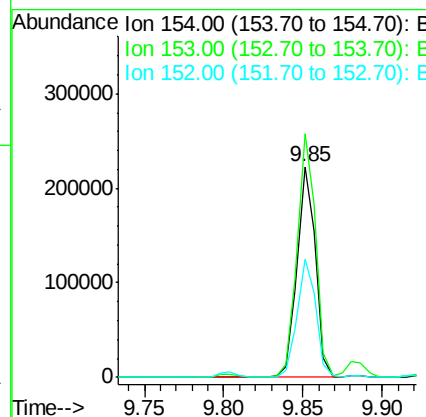
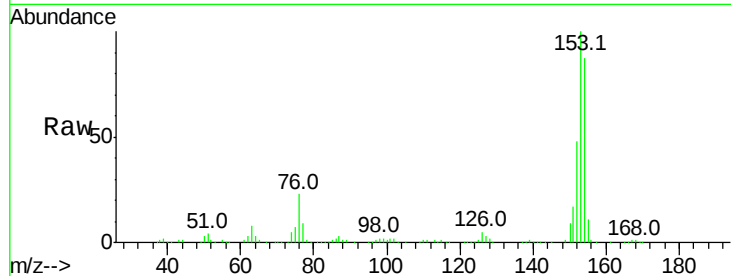
ClientSampleId :

SB-23-COMP

Tot Ion:	154	Resp:	179857
Ion Ratio	Lower	Upper	
154	100		
153	115.6	90.5	135.7
152	56.0	43.6	65.4

Manual Integrations
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#54

Dibenzofuran

Concen: 7.491 ng

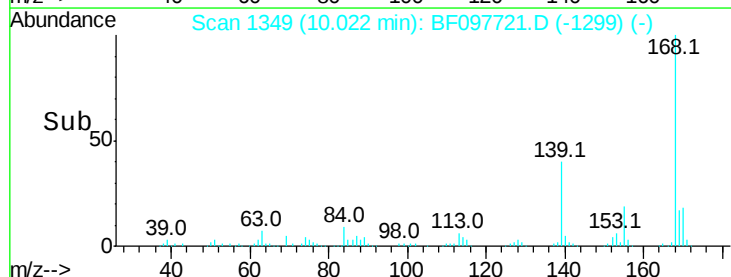
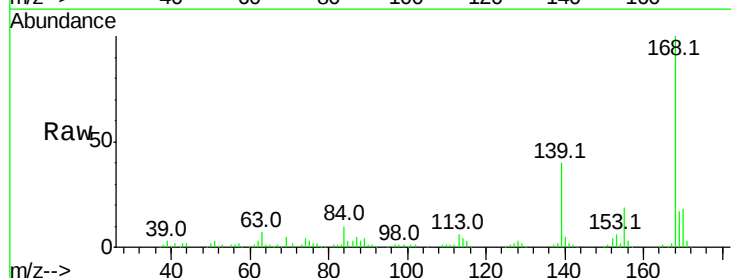
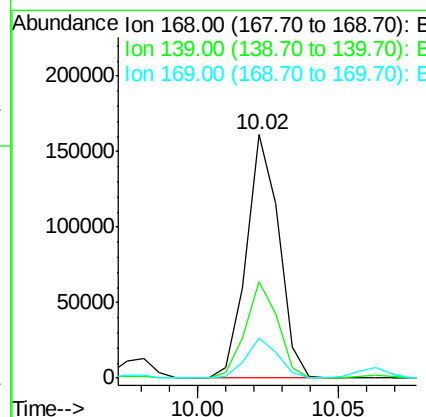
RT: 10.02 min Scan# 1349

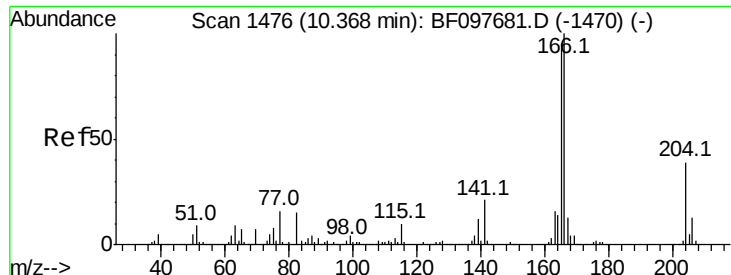
Delta R.T. -0.01 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Tgt Ion:	168	Resp:	129121
Ion Ratio	Lower	Upper	
168	100		
139	39.5	30.6	45.8
169	16.6	10.8	16.2#





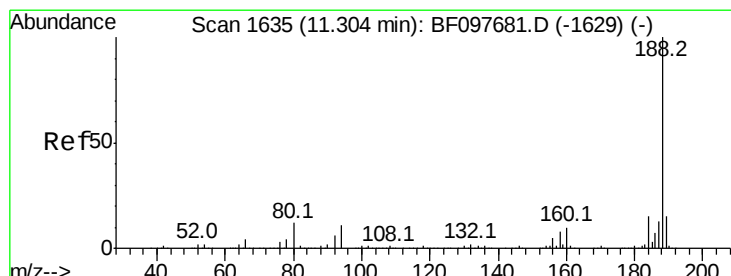
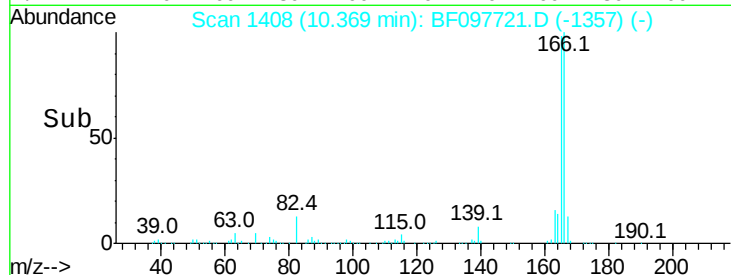
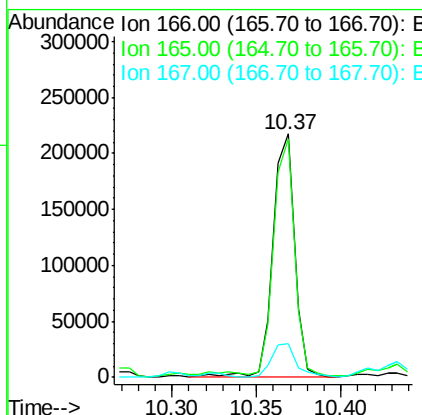
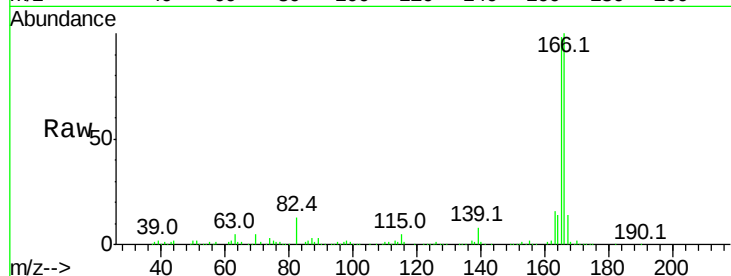
#57
Fluorene
 Concen: 14.308 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. 0.00 min
 Lab File: BF097721.D
 Acq: 16 Aug 2017 5:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

Tot Ion	Ratio	Resp	Lower	Upper
166	100	190674		
165	98.1	78.8	118.2	
167	13.7	10.6	16.0	

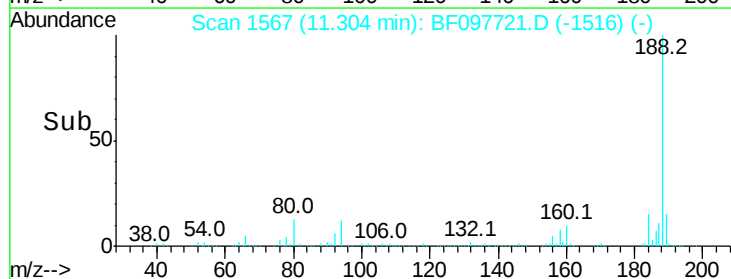
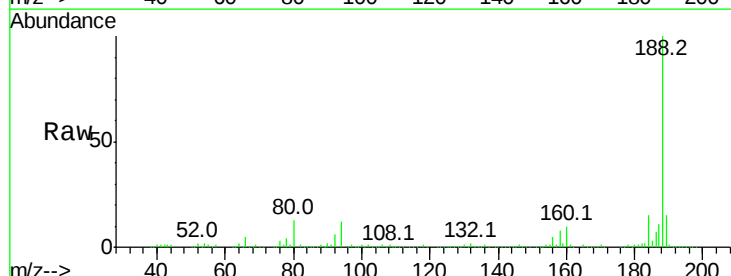
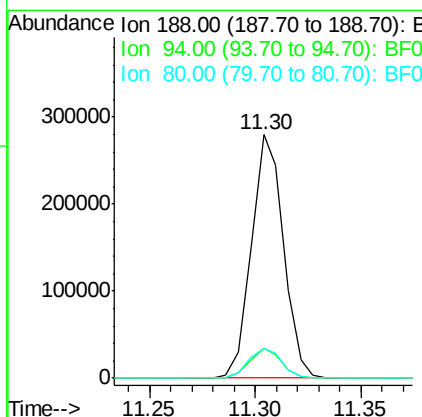
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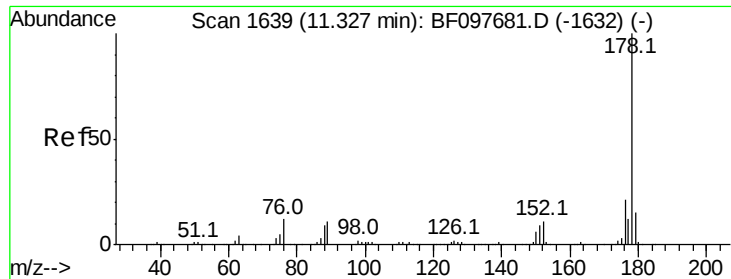
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: BF097721.D
 Acq: 16 Aug 2017 5:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	294469		
94	12.1	9.4	14.2	
80	12.5	10.2	15.2	





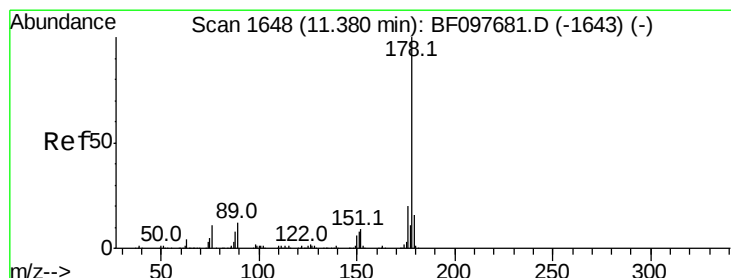
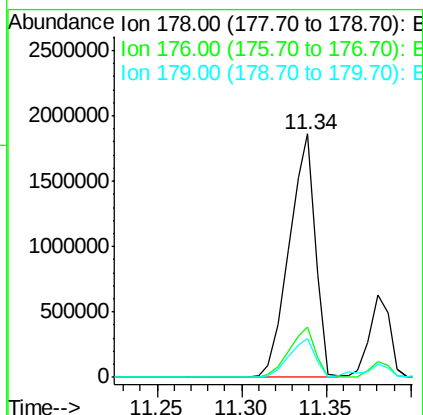
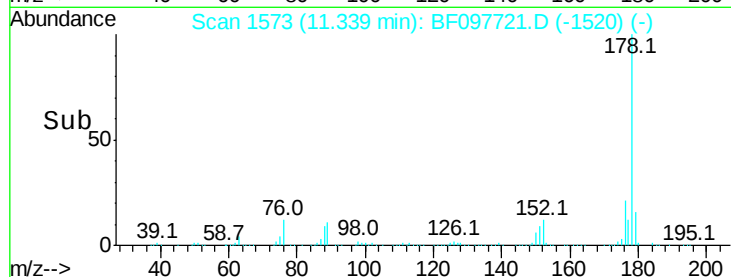
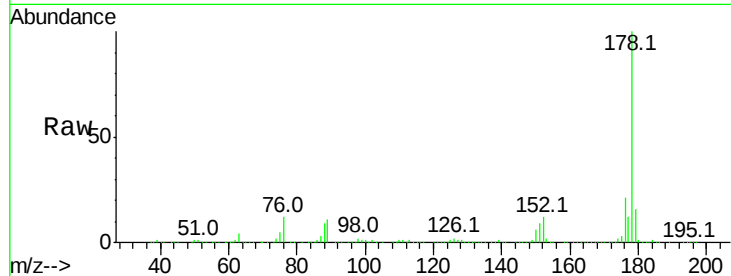
#70
Phenanthrene
Concen: 128.259 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF097721.D
Acq: 16 Aug 2017 5:54

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tot Ion:178 Resp: 2012560
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.4
179 15.8 12.6 19.0

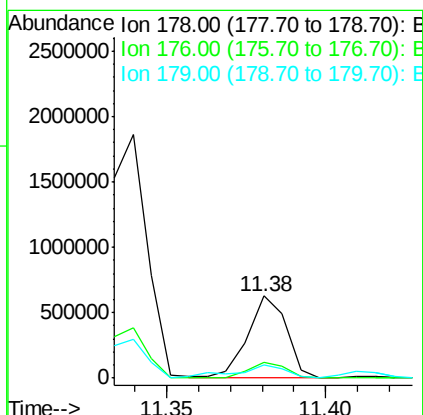
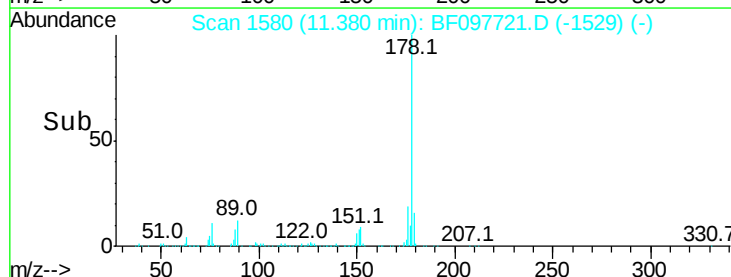
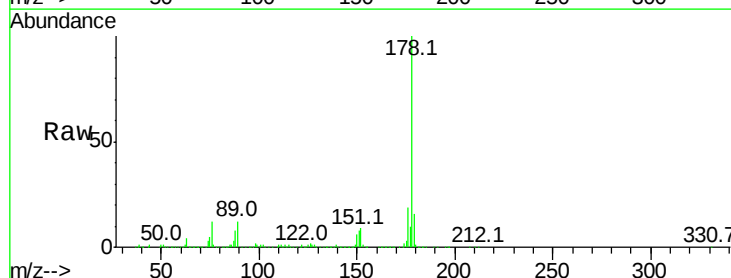
Manual Integrations
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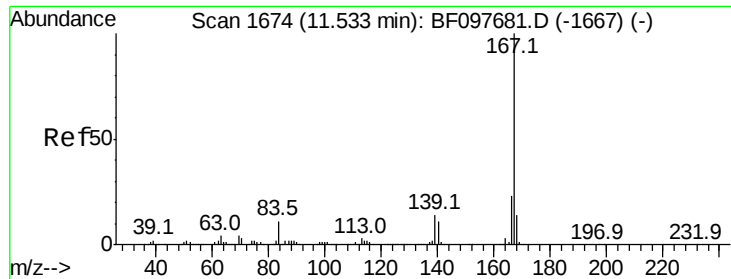
Sohil
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#71
Anthracene
Concen: 32.879 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF097721.D
Acq: 16 Aug 2017 5:54

Tgt Ion:178 Resp: 523285
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.8 12.7 19.1





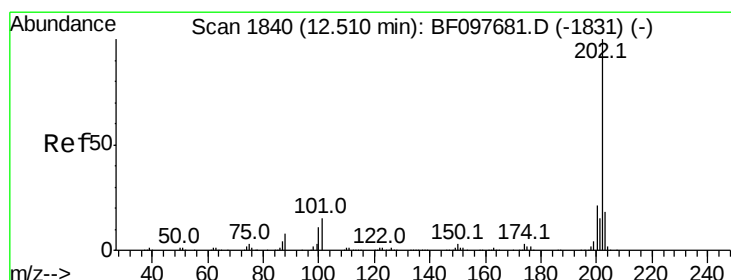
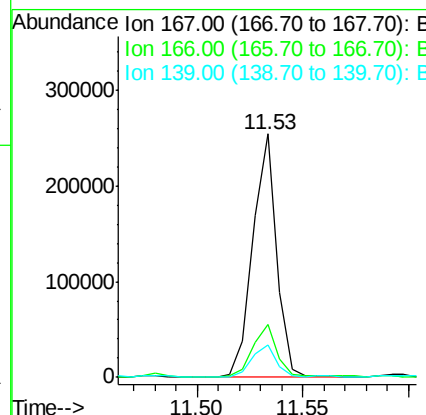
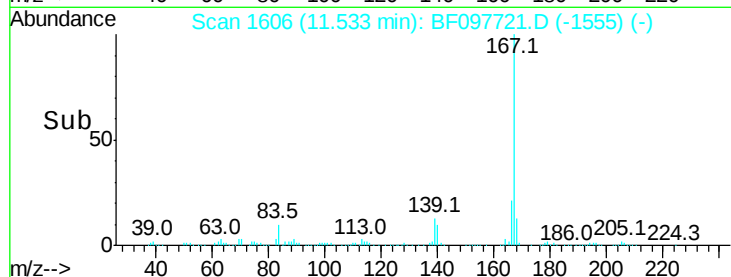
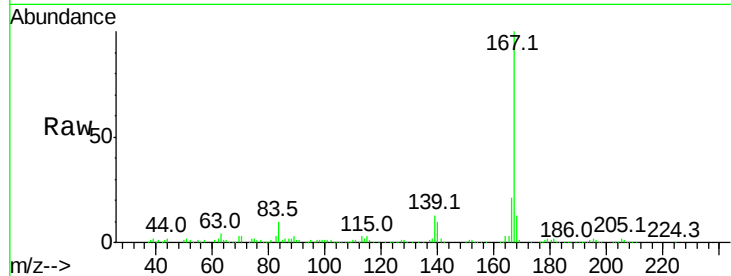
#72
 Carbazole
 Concen: 13.160 ng
 RT: 11.53 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: BF097721.D
 Acq: 16 Aug 2017 5:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-23-COMP

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	18.1	27.1
139	13.1	11.7	17.5

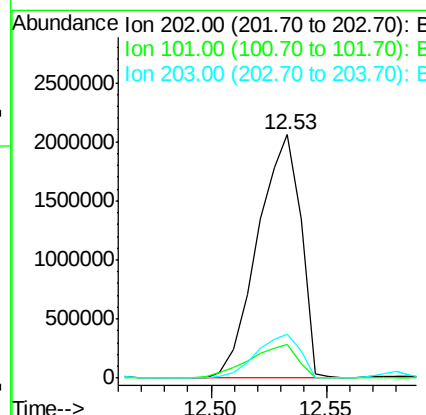
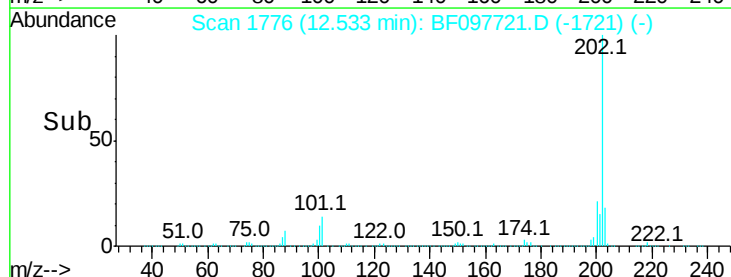
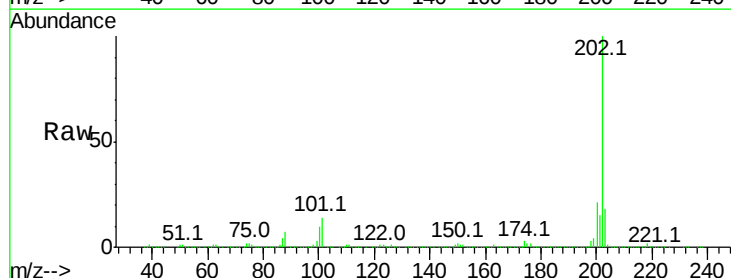
Manual Integrations
 APPROVED

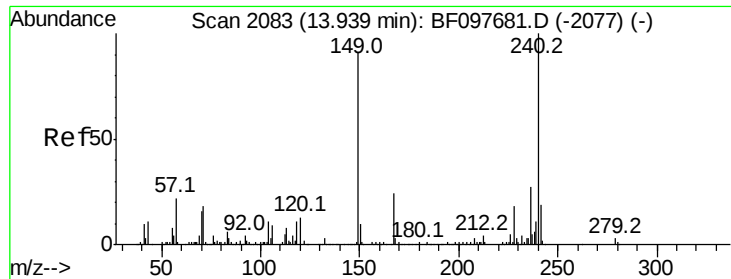
Sohil
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#74
 Fluoranthene
 Concen: 162.867 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.02 min
 Lab File: BF097721.D
 Acq: 16 Aug 2017 5:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.2
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Instrument :

BNA_F

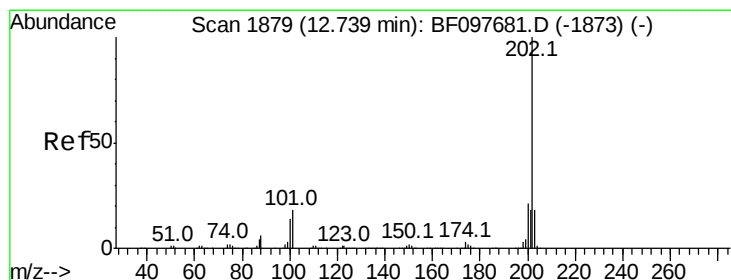
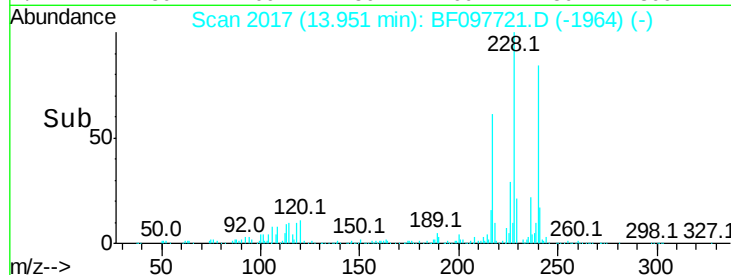
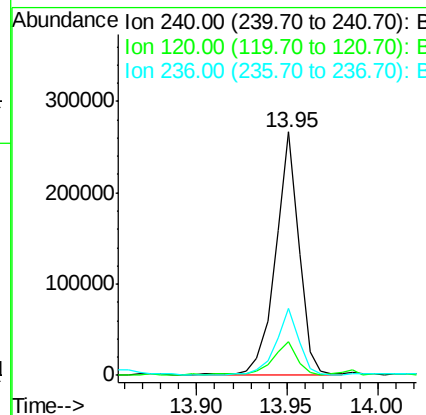
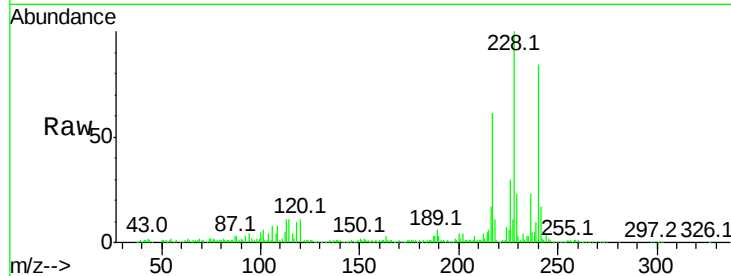
ClientSampleId :

SB-23-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.7	5.8	8.8#
236	27.4	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 130.194 ng

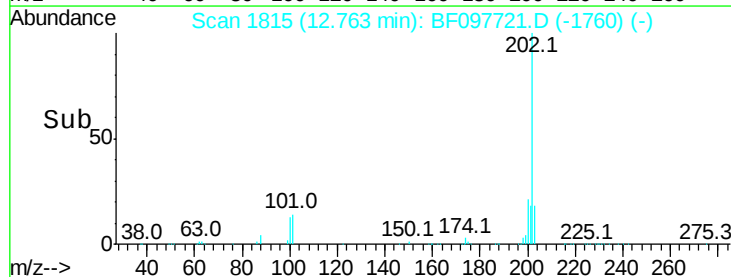
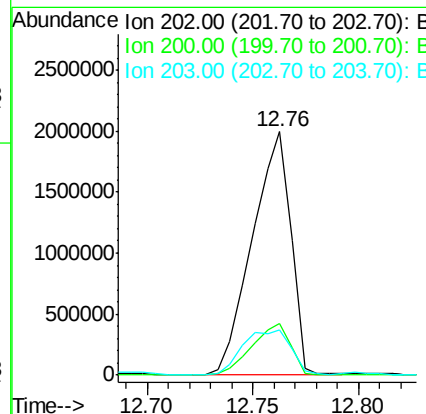
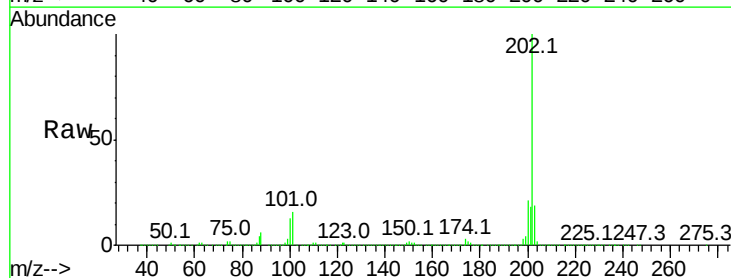
RT: 12.76 min Scan# 1815

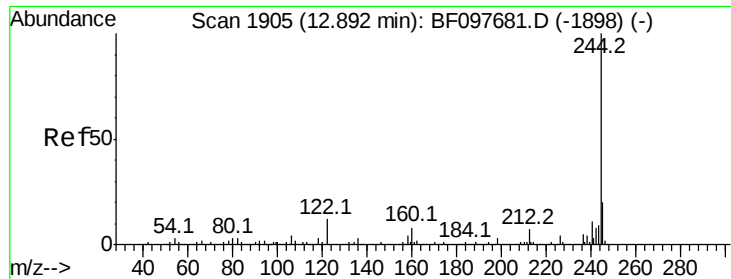
Delta R.T. 0.02 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	18.5	14.4	21.6





#78

Terphenyl-d14

Concen: 31.130 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Instrument :

BNA_F

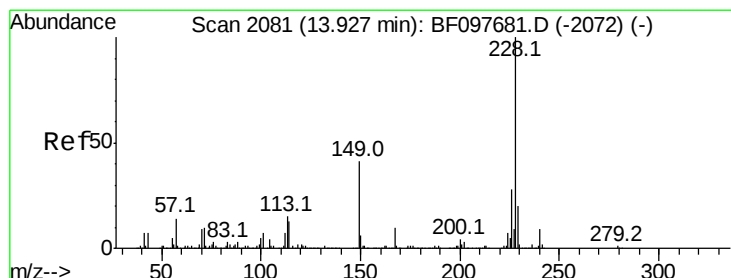
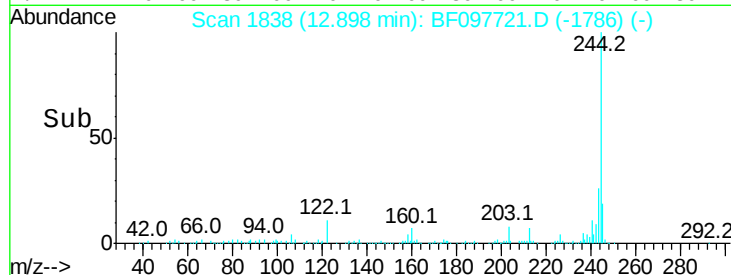
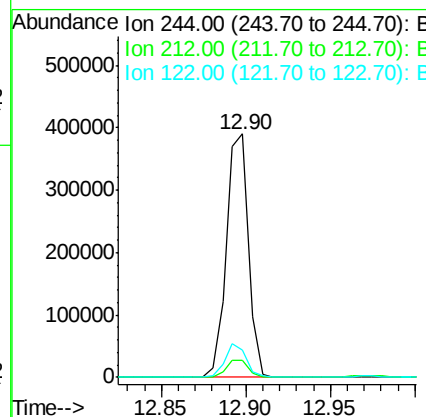
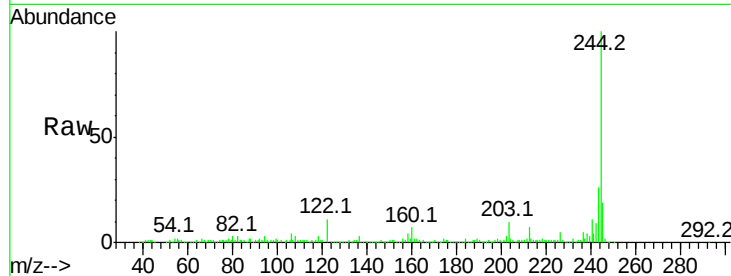
ClientSampled :

SB-23-COMP

Tot Ion:	244	Resp:	353717
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	11.5	10.3	15.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 101.283 ng

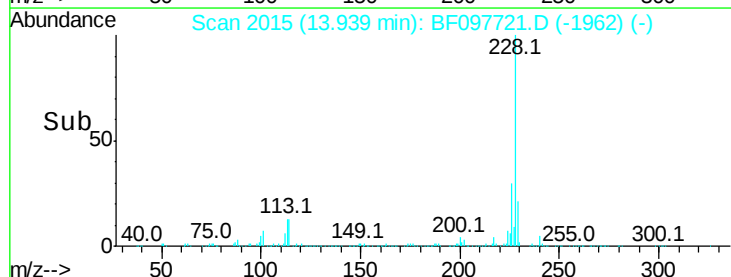
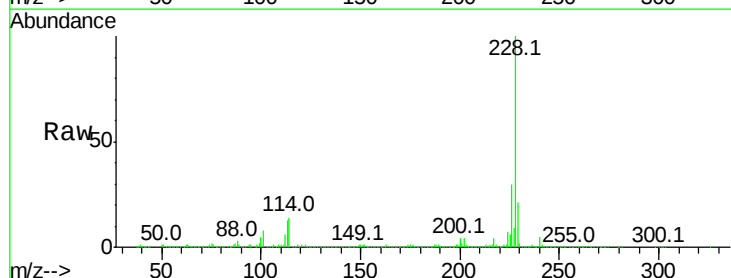
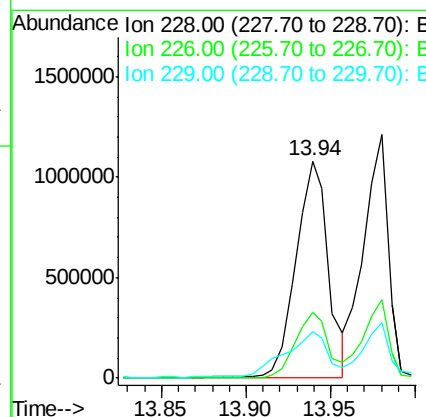
RT: 13.94 min Scan# 2015

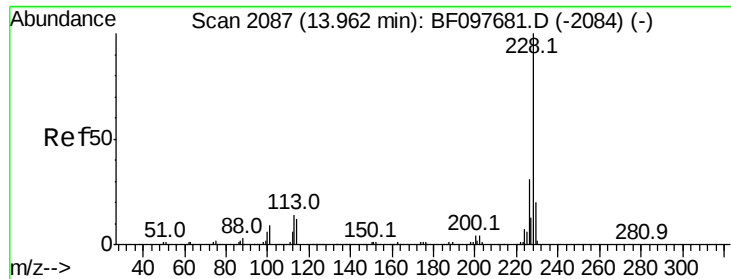
Delta R.T. 0.01 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Tgt Ion:	228	Resp:	1438321
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.6	33.8
229	21.3	16.3	24.5





#82

Chrysene

Concen: 87.396 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.02 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Instrument :

BNA_F

ClientSampleId :

SB-23-COMP

Tot Ion:228 Resp: 1234630

Ion Ratio Lower Upper

228 100

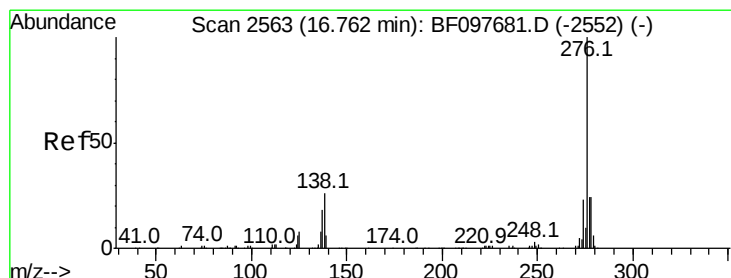
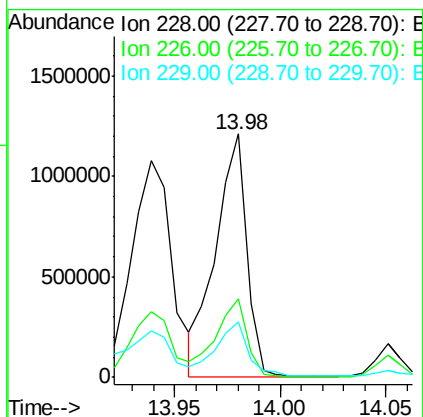
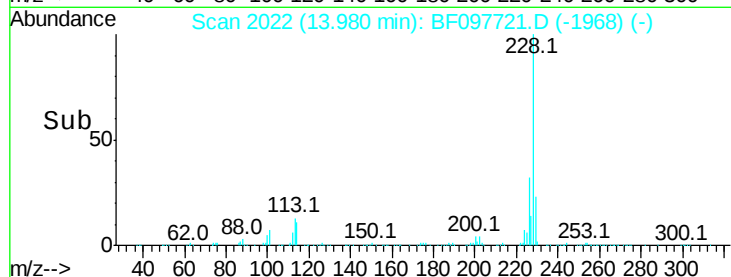
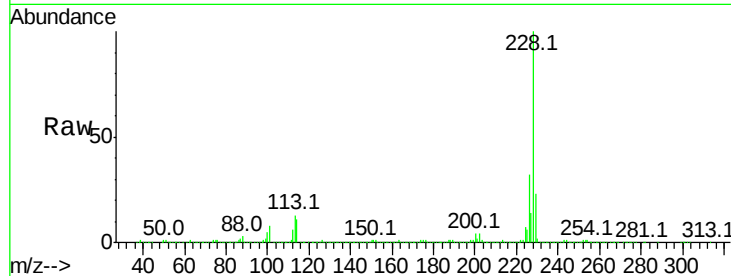
226 32.0 24.9 37.3

229 22.8 15.8 23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 47.145 ng m

RT: 16.79 min Scan# 2500

Delta R.T. 0.03 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

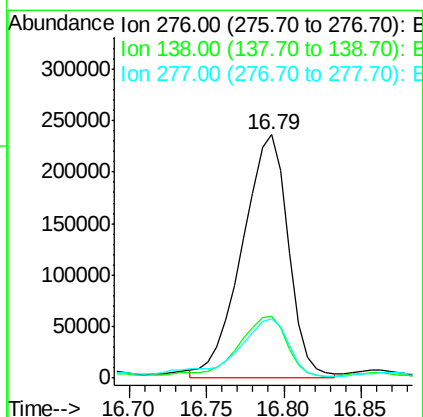
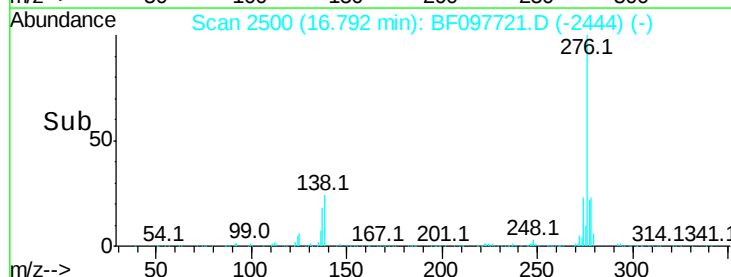
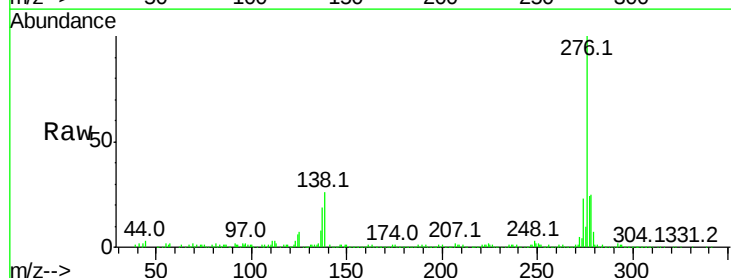
Tgt Ion:276 Resp: 489938

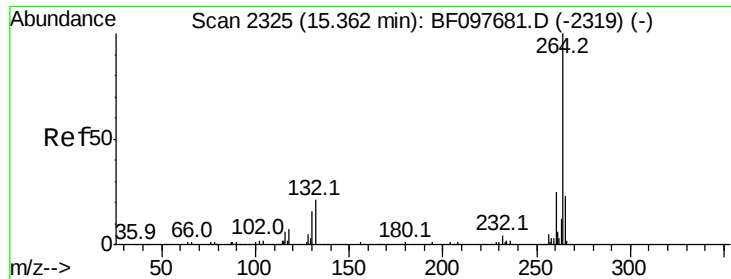
Ion Ratio Lower Upper

276 100

138 1.1 27.8 41.6#

277 1.0 20.2 30.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.38 min Scan# 2260

Delta R.T. 0.02 min

Lab File: BF097721.D

Acq: 16 Aug 2017 5:54

Instrument :

BNA_F

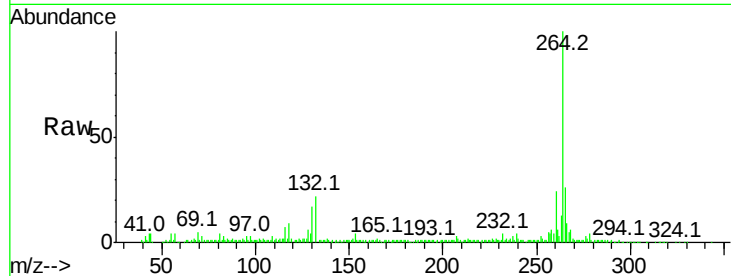
ClientSampleId :

SB-23-COMP

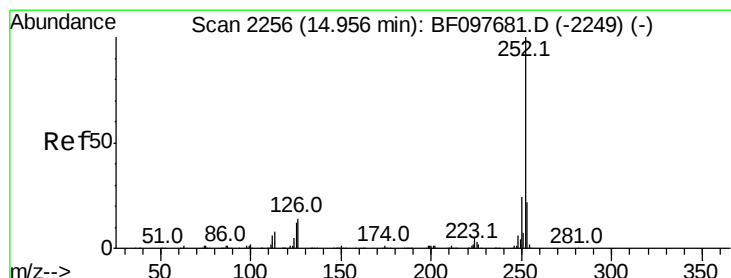
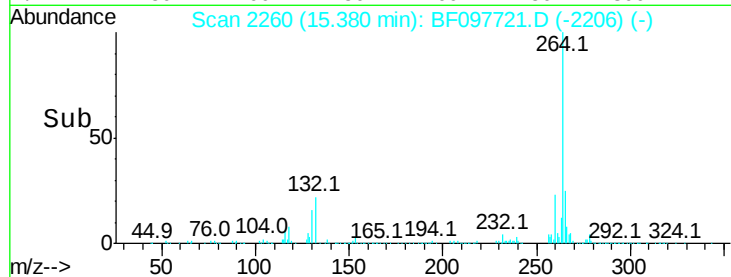
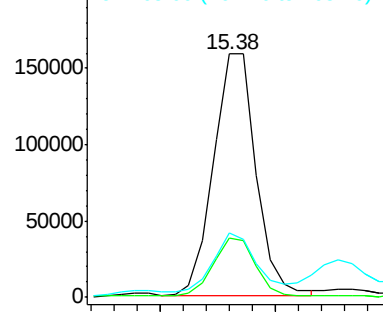
Tot Ion:	264	Resp:	204348
Ion Ratio		Lower	Upper
264	100		
260	24.2	19.5	29.3
265	26.2	17.2	25.8#

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



#87

Benzo(b)fluoranthene

Concen: 109.461 ng m

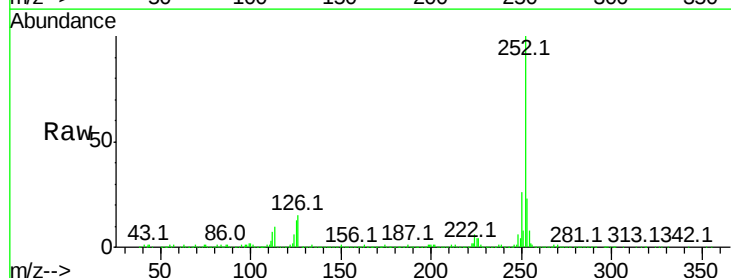
RT: 14.98 min Scan# 2192

Delta R.T. 0.02 min

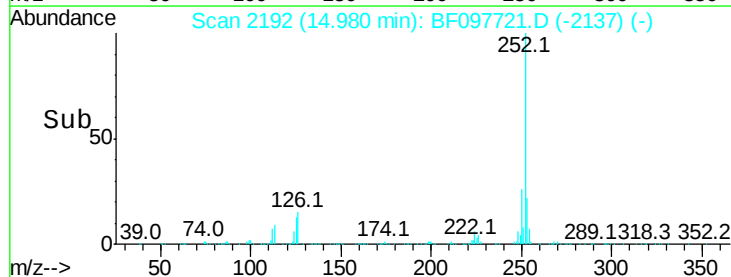
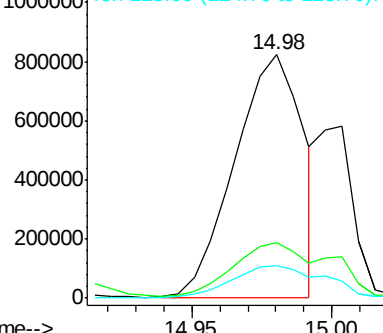
Lab File: BF097721.D

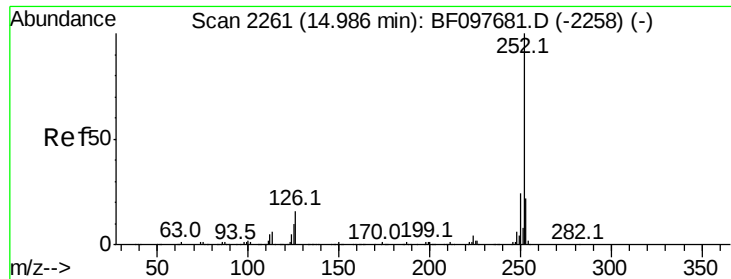
Acq: 16 Aug 2017 5:54

Tgt Ion:	252	Resp:	1409928
Ion Ratio		Lower	Upper
252	100		
253	22.8	18.1	27.1
125	13.3	9.8	14.8



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





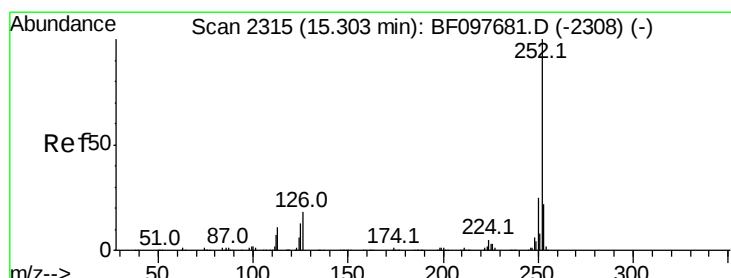
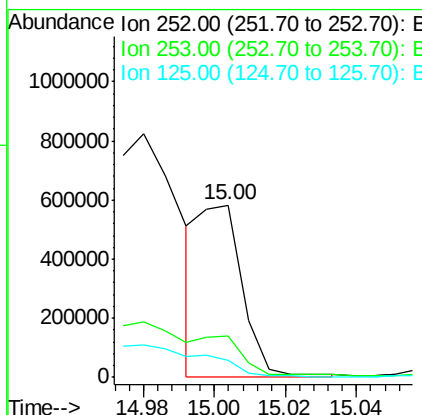
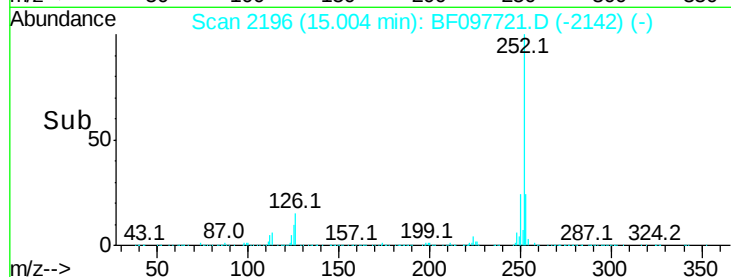
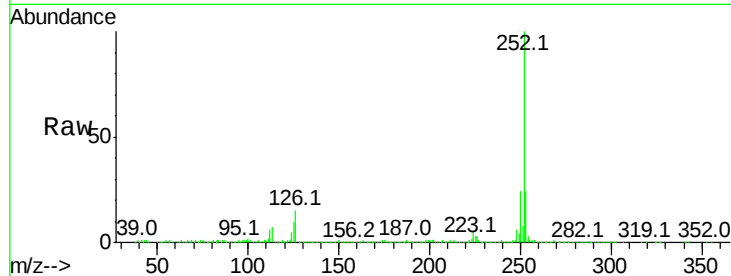
#88
Benzo(k)fluoranthene
Concen: 40.844 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.02 min
Lab File: BF097721.D
Acq: 16 Aug 2017 5:54

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	10.2	13.1	19.7

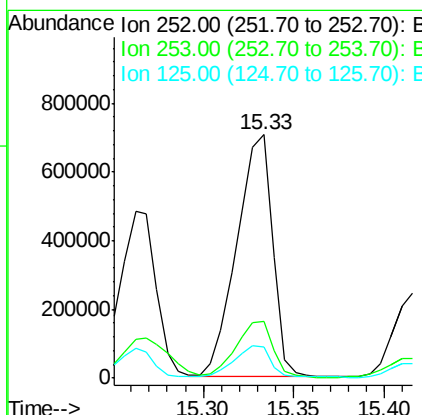
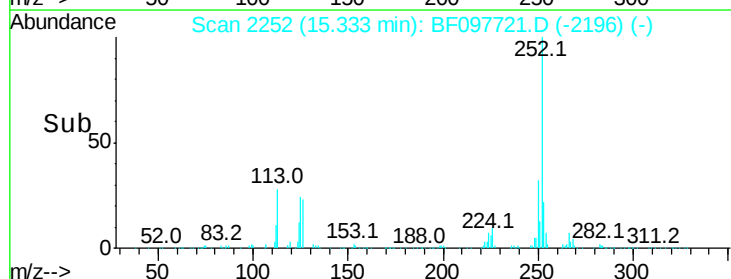
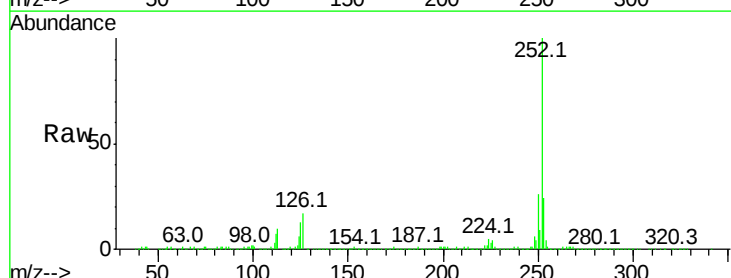
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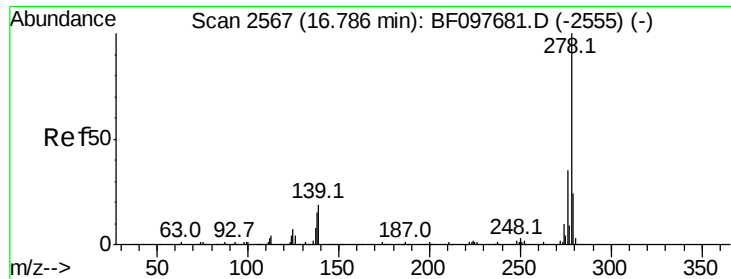
Sohil
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#89
Benzo(a)pyrene
Concen: 85.612 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.03 min
Lab File: BF097721.D
Acq: 16 Aug 2017 5:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	12.6	11.0	16.4





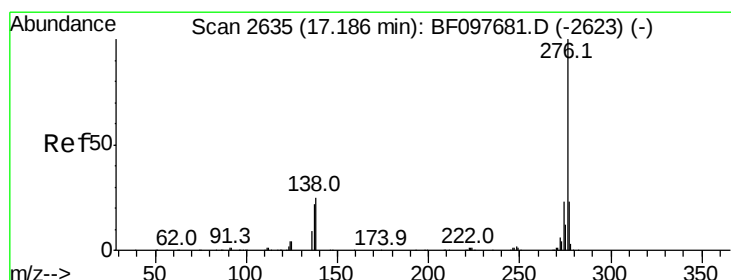
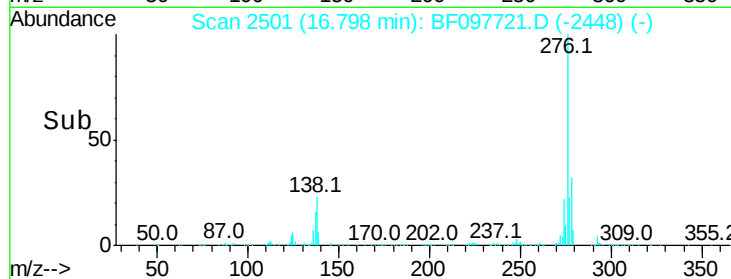
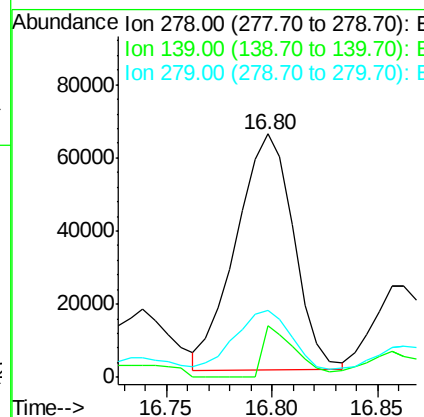
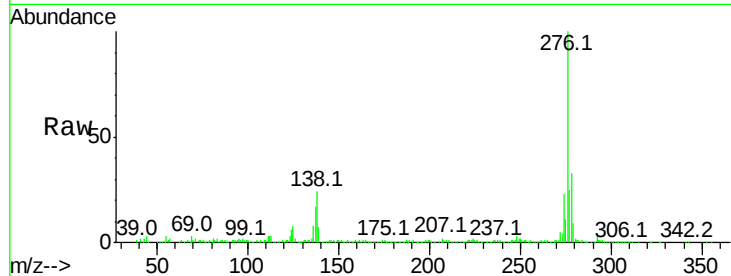
#90
Dibenzo(a,h)anthracene
Concen: 13.155 ng
RT: 16.80 min Scan# 2501
Delta R.T. 0.01 min
Lab File: BF097721.D
Acq: 16 Aug 2017 5:54

Instrument :
BNA_F
ClientSampleId :
SB-23-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.1	16.6	24.8
279	27.4	19.3	28.9

Manual Integrations
APPROVED

Sohil
8/16/2017 6:49:27 PM



#91
Benzo(g,h,i)perylene
Concen: 45.833 ng
RT: 17.22 min Scan# 2572
Delta R.T. 0.03 min
Lab File: BF097721.D
Acq: 16 Aug 2017 5:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	25.7	25.4	38.0

