

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097719.D
 Acq On : 16 Aug 2017 4:58
 Operator : SJ/JU
 Sample : I4751-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-29-COMP

Manual Integrations
 APPROVED

Sohil
 8/16/2017 6:49:21 PM

Quant Time: Aug 16 11:59:47 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	129556	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	511630	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	219119	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	357997	20.00	ng	0.00
75) Chrysene-d12	13.94	240	270077	20.00	ng	0.00
86) Perylene-d12	15.37	264	237999	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	827660	97.17	ng	0.00
7) Phenol-d6	6.41	99	1139667	98.48	ng	0.00
23) Nitrobenzene-d5	7.35	82	675036	71.67	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	175197	92.15	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	929823	62.35	ng	0.00
78) Terphenyl-d14	12.90	244	560503	43.28	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.42	94	39997	2.955	ng	100
48) Acenaphthylene	9.68	152	59279	2.557	ng	98
49) Dimethylphthalate	9.54	163	129042	8.057	ng	98
70) Phenanthrene	11.33	178	233737	12.253	ng	98
71) Anthracene	11.37	178	61567	3.182	ng	98
74) Fluoranthene	12.52	202	333341	16.741	ng	81
77) Pyrene	12.75	202	471976	21.367	ng	98
80) Benzo(a)anthracene	13.93	228	263000m	16.248	ng	
82) Chrysene	13.96	228	239768	14.890	ng	98
85) Indeno(1,2,3-cd)pyrene	16.77	276	120811m	10.199	ng	
87) Benzo(b)fluoranthene	14.96	252	340221m	22.679	ng	
88) Benzo(k)fluoranthene	14.99	252	81369m	5.773	ng	
89) Benzo(a)pyrene	15.31	252	236328	17.795	ng	98
90) Dibenzo(a,h)anthracene	16.77	278	30406	2.812	ng	# 89
91) Benzo(a,h,i)perylene	17.19	276	117456	10.411	ng	93

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

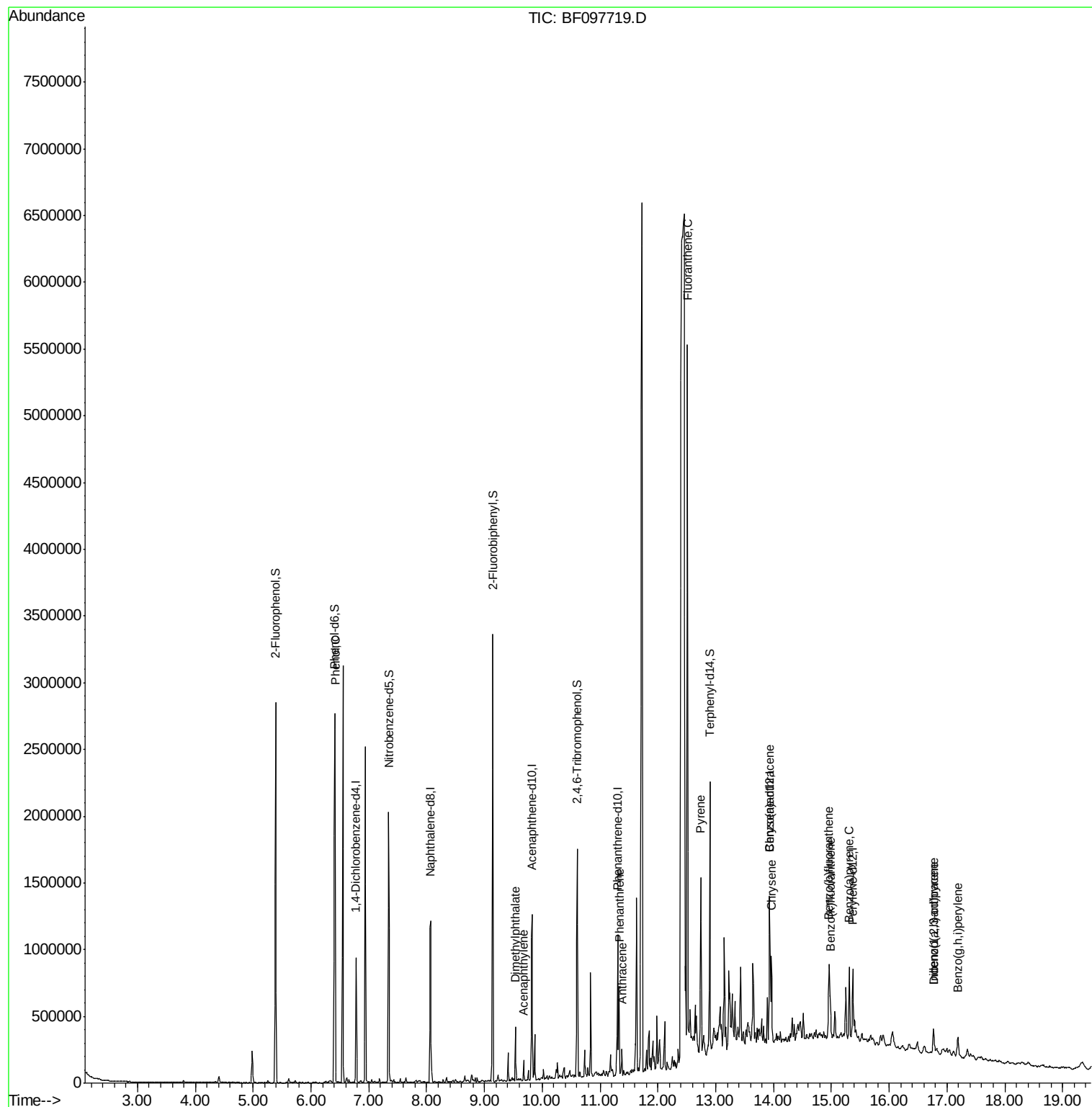
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097719.D
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ALS Vial : 32 Sample Multiplier: 1

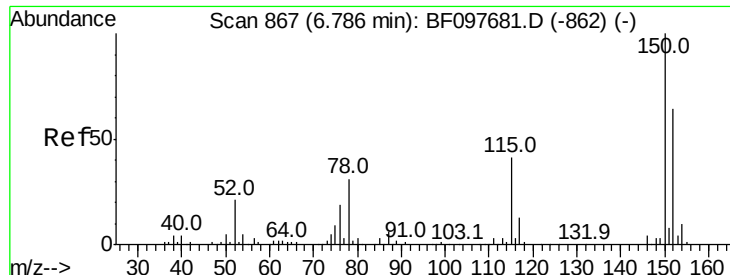
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

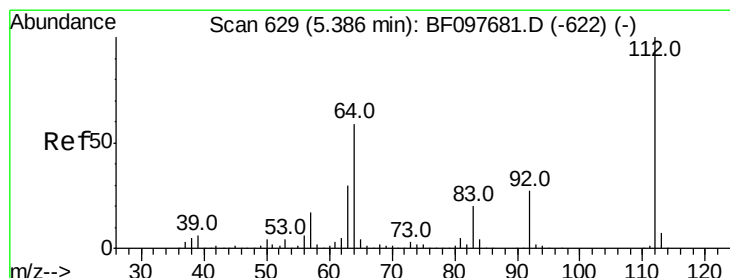
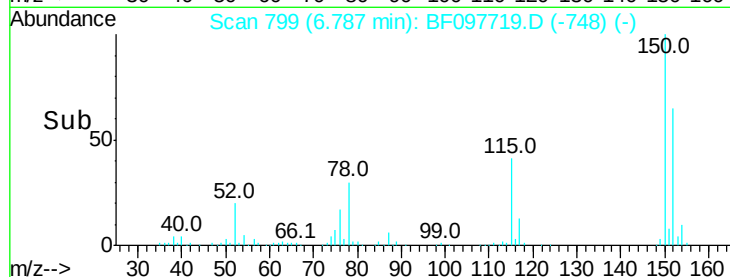
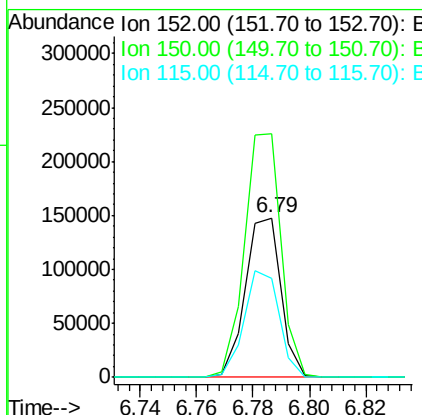
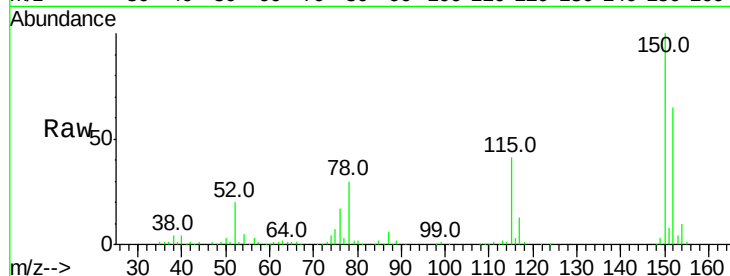
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF097719.D
 Acq: 16 Aug 2017 4:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-29-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.2	189.2
115	62.4	52.2	78.2

Manual Integrations
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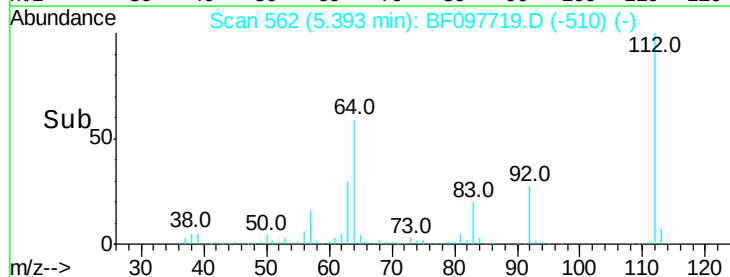
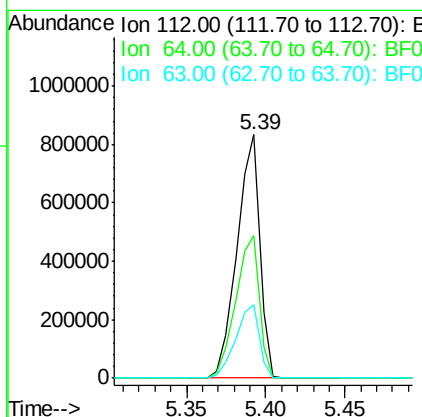
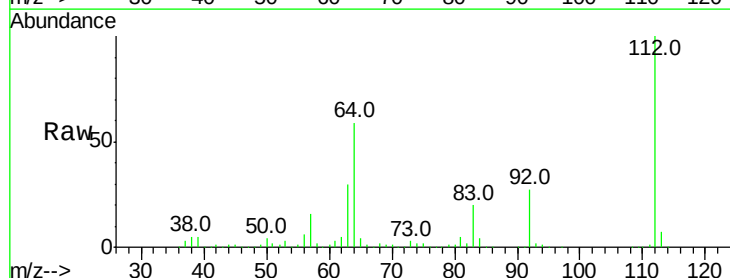
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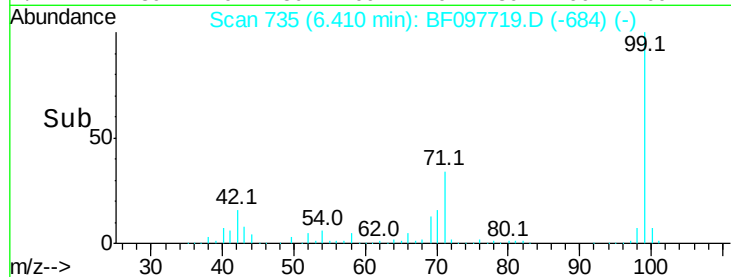
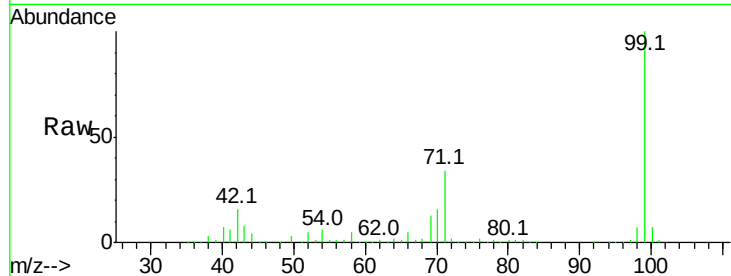
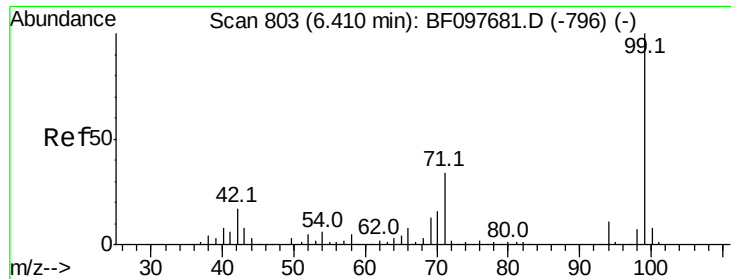


#5

2-Fluorophenol
 Concen: 97.173 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: BF097719.D
 Acq: 16 Aug 2017 4:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.0	69.0
63	30.0	23.4	35.0





#7

Phenol-d6

Concen: 98.479 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097719.D

Acq: 16 Aug 2017 4:58

Tot Ion:	99	Resp:	1139667
Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.5	20.3
71	33.9	24.5	36.7

Instrument :

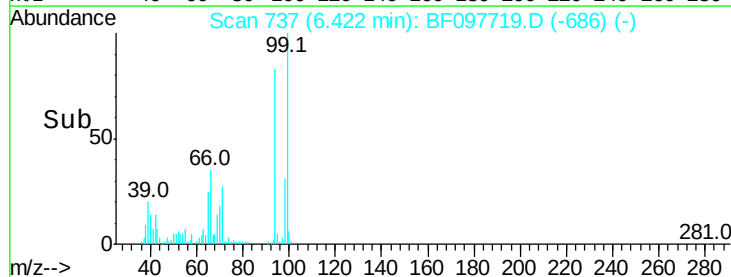
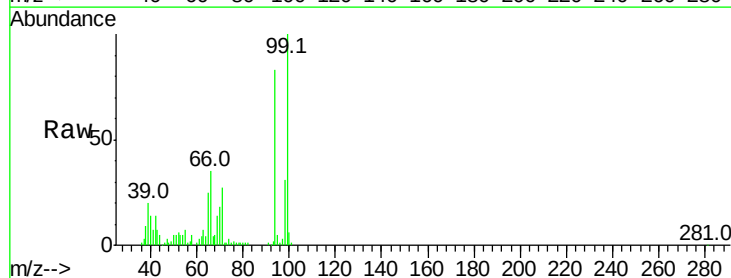
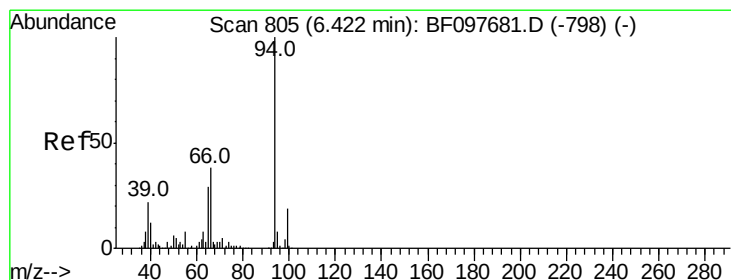
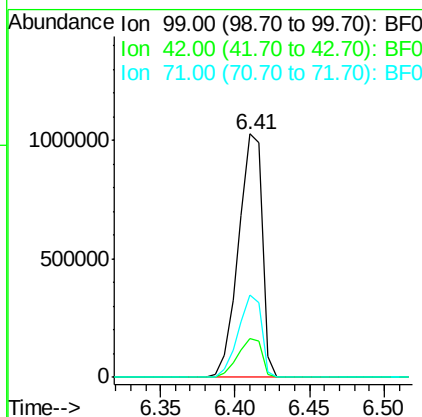
BNA_F

ClientSampled :

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#10

Phenol

Concen: 2.955 ng

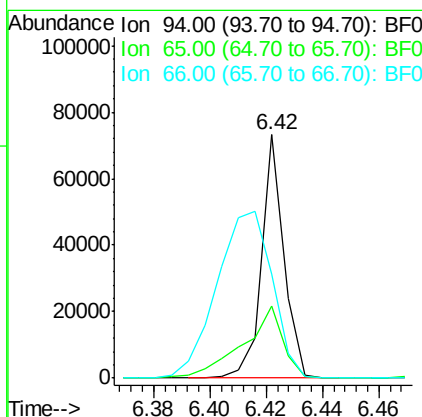
RT: 6.42 min Scan# 737

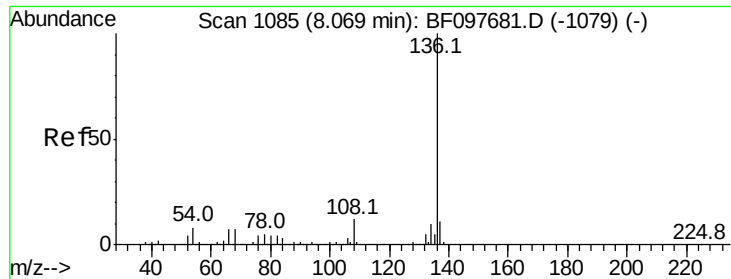
Delta R.T. 0.00 min

Lab File: BF097719.D

Acq: 16 Aug 2017 4:58

Tgt Ion:	94	Resp:	39997
Ion	Ratio	Lower	Upper
94	100		
65	29.8	9.9	49.9
66	42.7	23.1	63.1





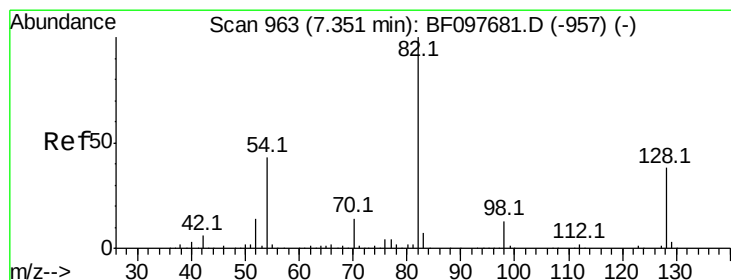
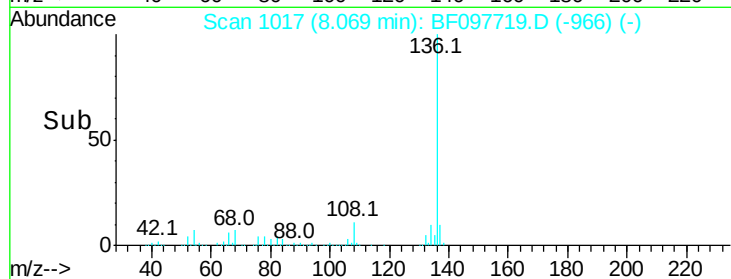
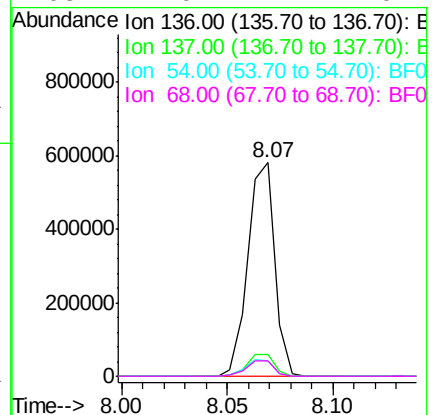
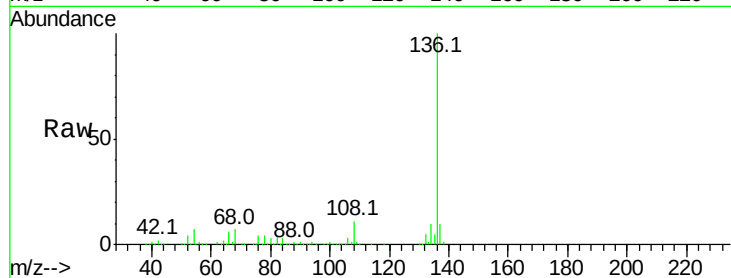
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Instrument :
BNA_F
ClientSampleId :
SB-29-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	511630		
137	10.5	8.5	12.7	
54	7.3	4.9	7.3	
68	7.0	4.1	6.1#	

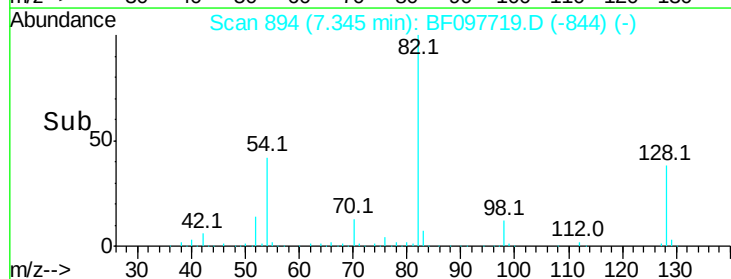
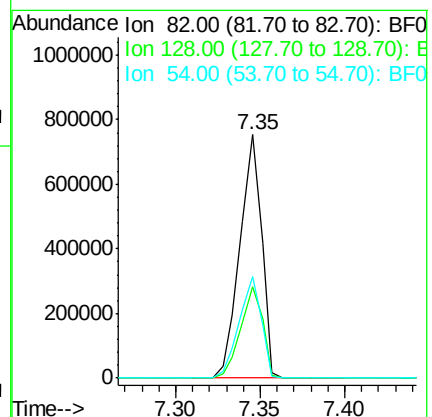
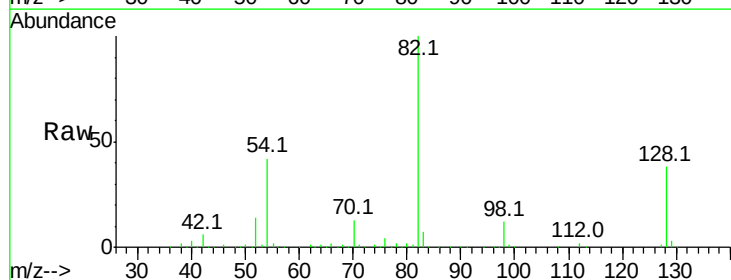
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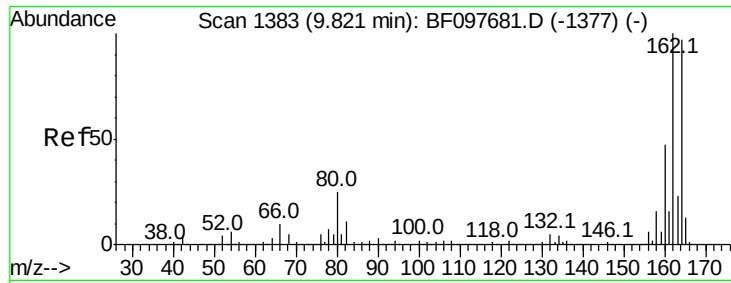
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#23
Nitrobenzene-d5
Concen: 71.675 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	675036		
128	37.7	34.0	51.0	
54	41.9	42.2	63.2#	





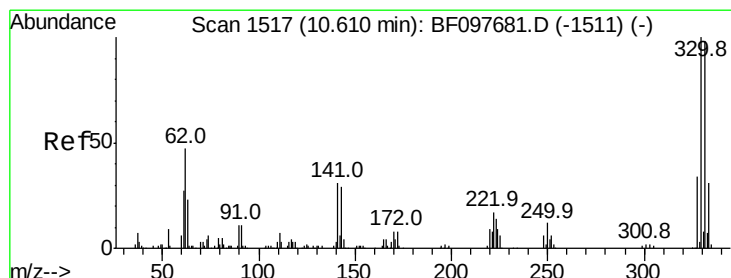
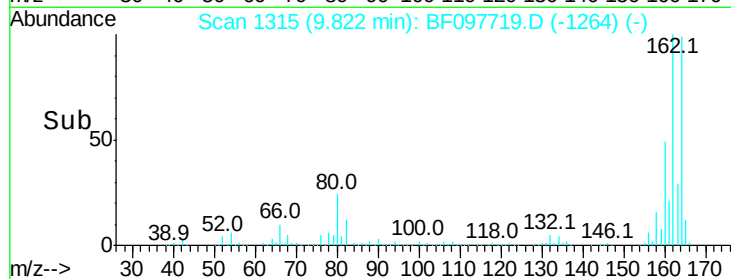
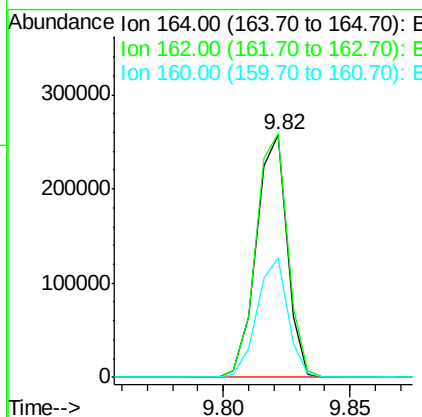
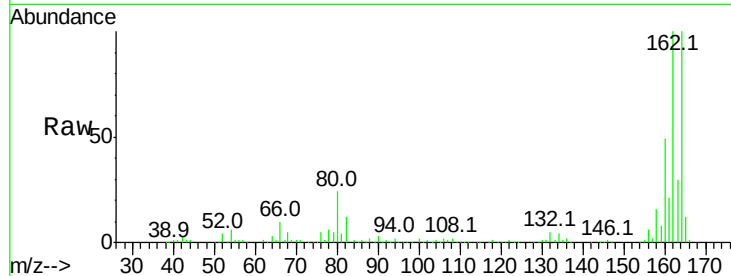
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BF097719.D
 Acq: 16 Aug 2017 4:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-29-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	219119		
162	100.4	82.6	123.8	
160	49.3	36.2	54.2	

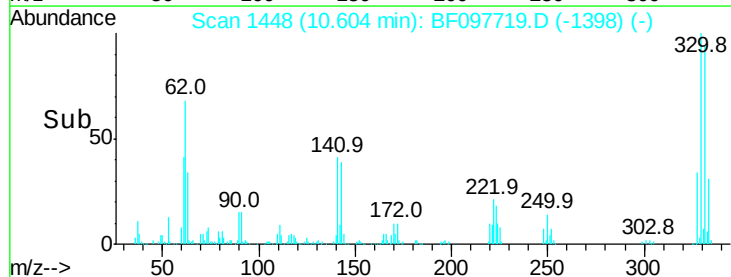
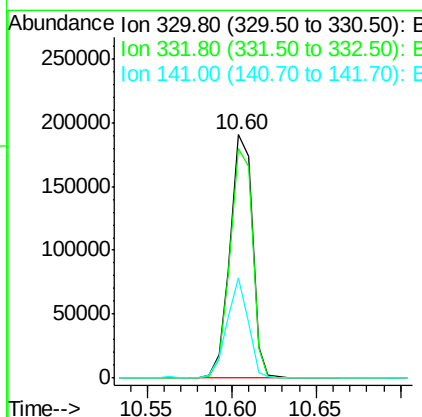
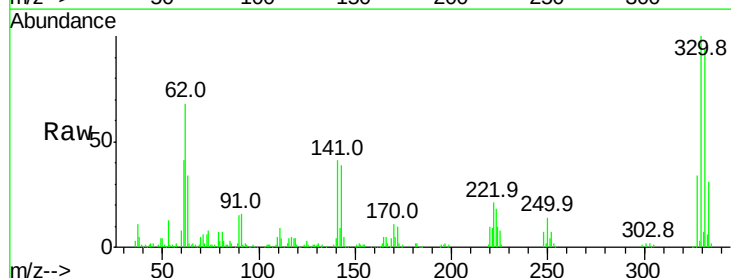
Manual Integrations
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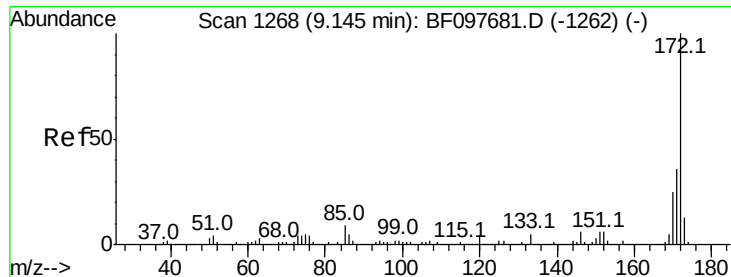
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#41
 2,4,6-Tribromophenol
 Concen: 92.150 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097719.D
 Acq: 16 Aug 2017 4:58

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	175197		
332	94.8	76.6	115.0	
141	38.8	31.4	47.2	





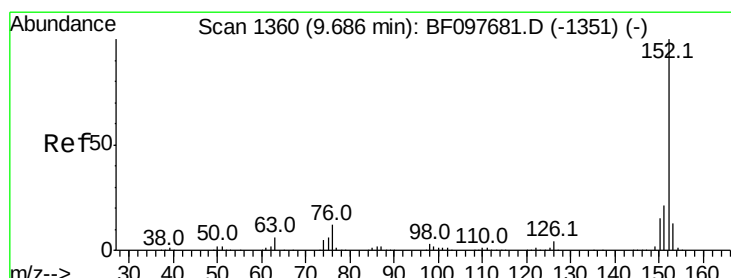
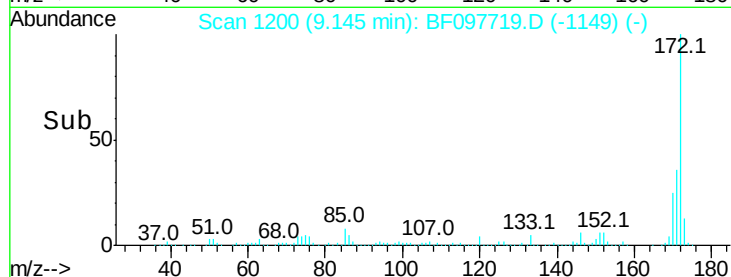
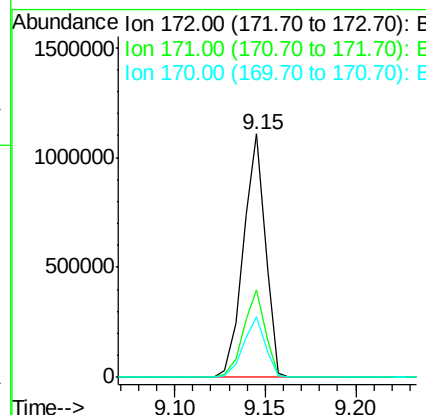
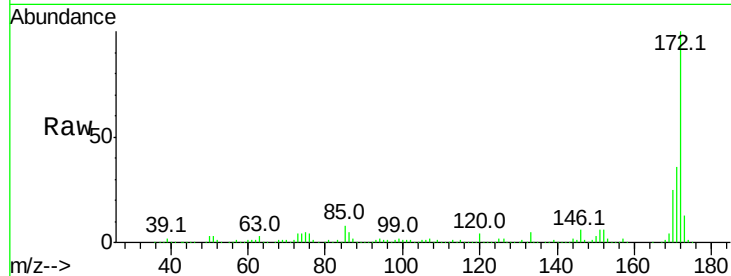
#44
2-Fluorobiphenyl
Concen: 62.345 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Instrument :
BNA_F
ClientSampled :
SB-29-COMP

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.8	19.8	29.8

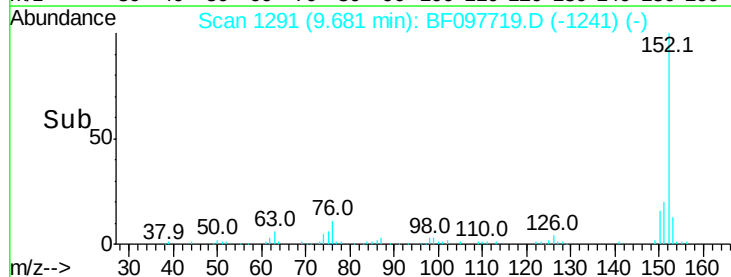
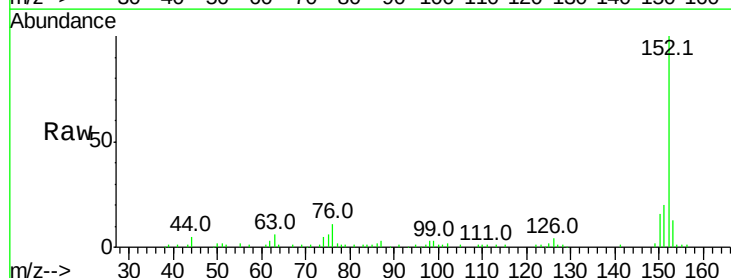
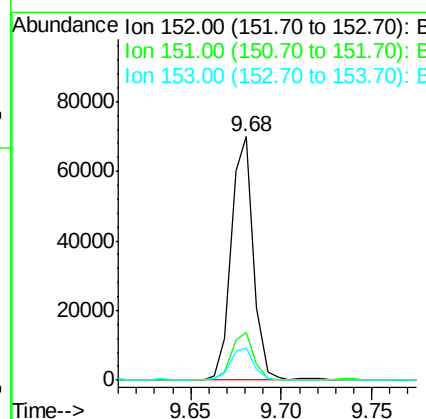
Manual Integrations
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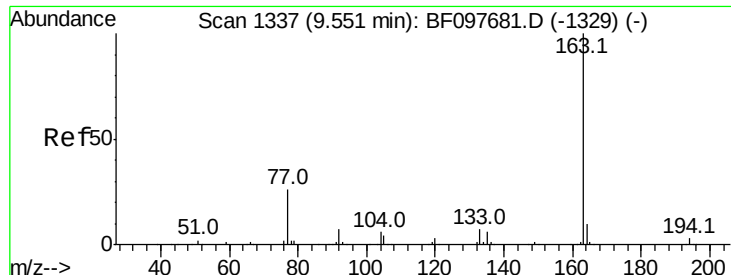
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#48
Acenaphthylene
Concen: 2.557 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Tgt Ion	Ratio	Resp Lower	Upper
152	100		
151	19.7	16.8	25.2
153	13.3	10.8	16.2





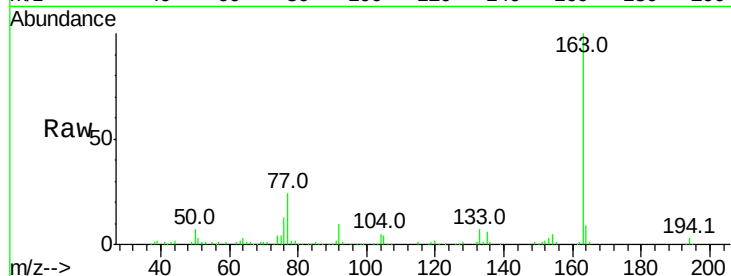
#49
Dimethylphthalate
Concen: 8.057 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Instrument :
BNA_F
ClientSampleId :
SB-29-COMP

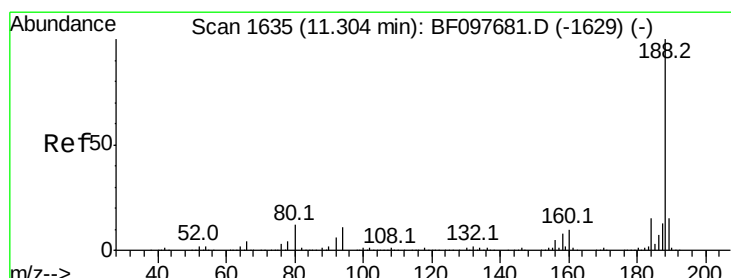
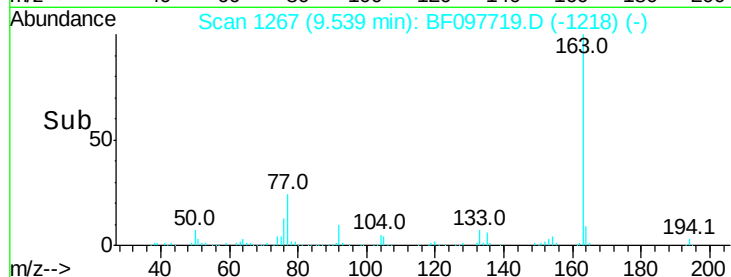
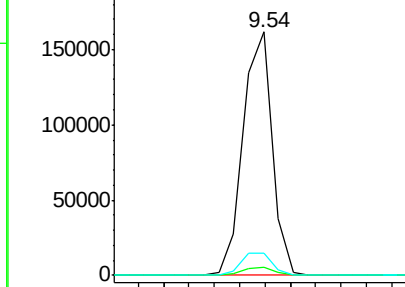
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.3	8.4	12.6

Manual Integrations
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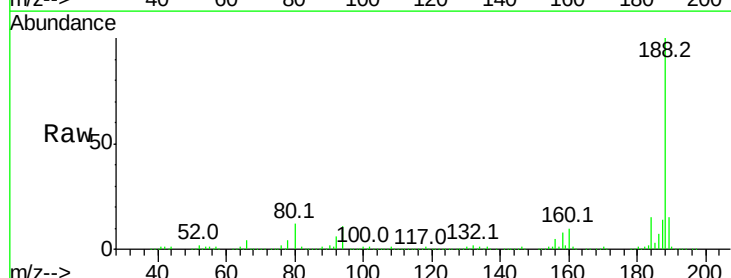


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

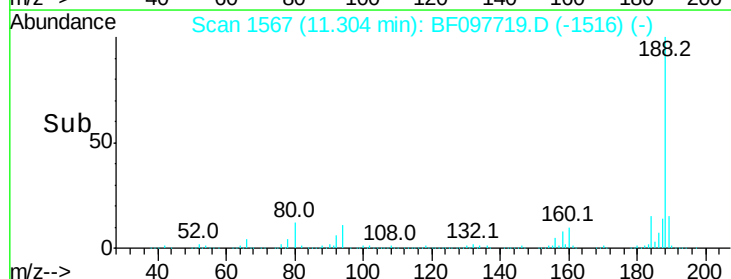
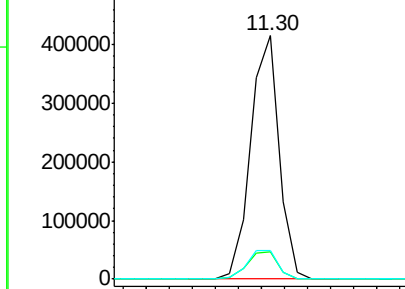


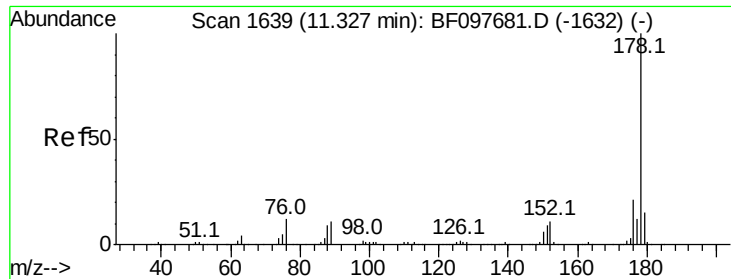
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	11.2	9.4	14.2
80	11.8	10.2	15.2



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





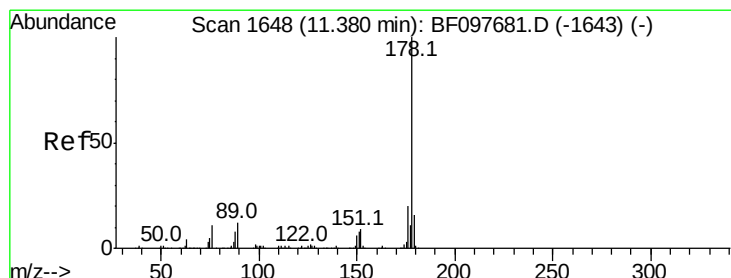
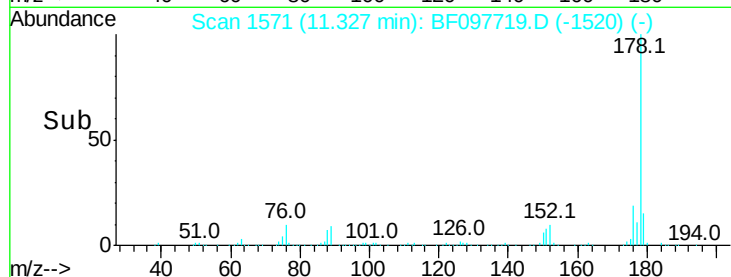
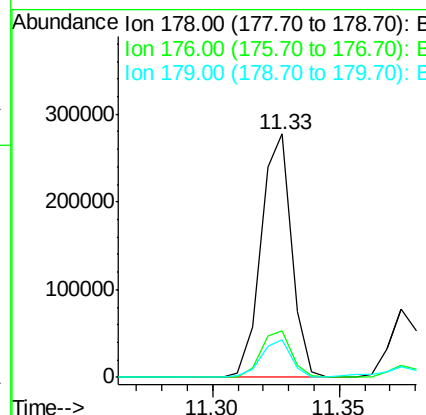
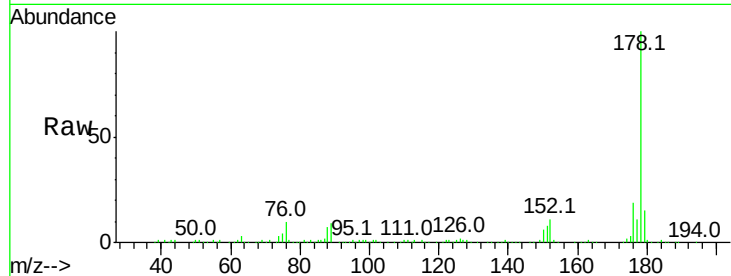
#70
Phenanthrene
Concen: 12.253 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Instrument :
BNA_F
ClientSampleId :
SB-29-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.2	12.6	19.0

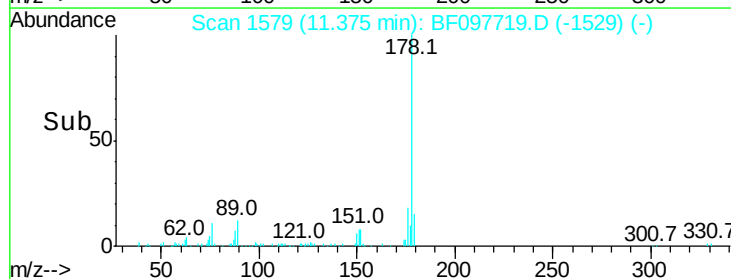
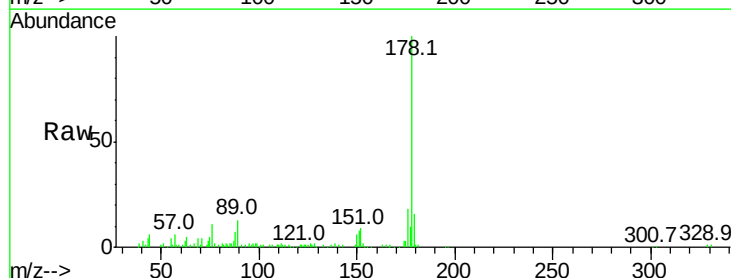
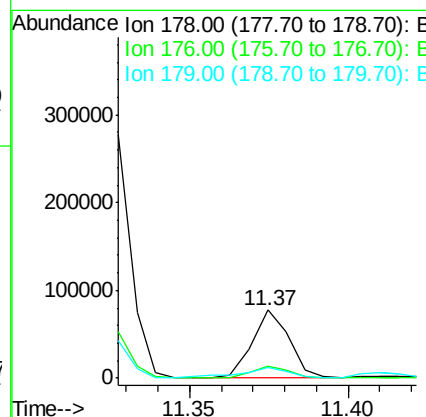
Manual Integrations
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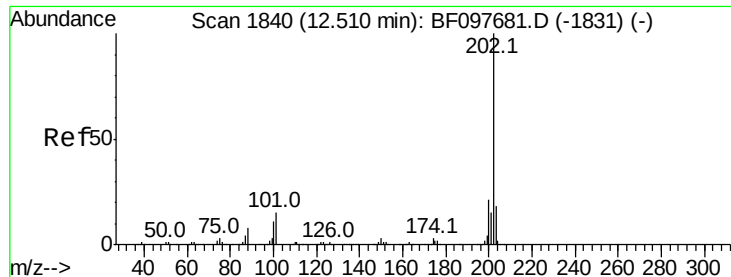
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#71
Anthracene
Concen: 3.182 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

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





#74

Fluoranthene

Concen: 16.741 ng

RT: 12.52 min Scan# 1773

Delta R.T. 0.01 min

Lab File: BF097719.D

Acq: 16 Aug 2017 4:58

Instrument :

BNA_F

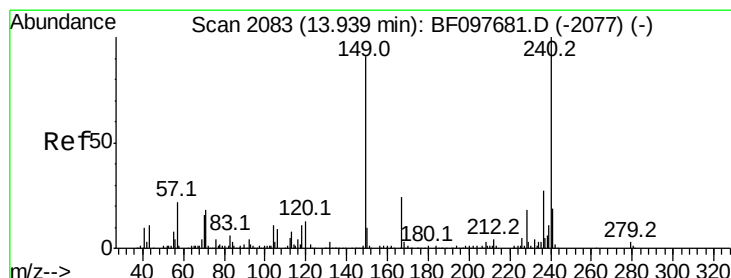
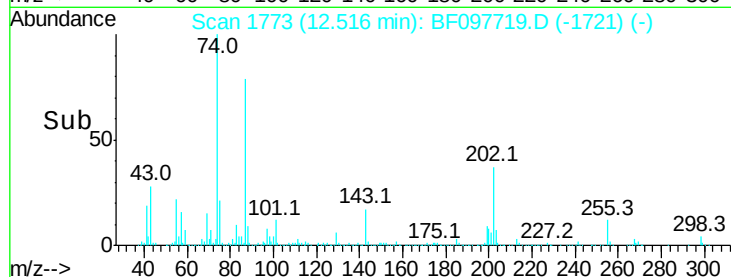
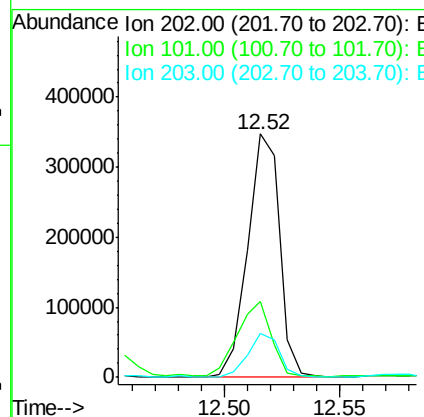
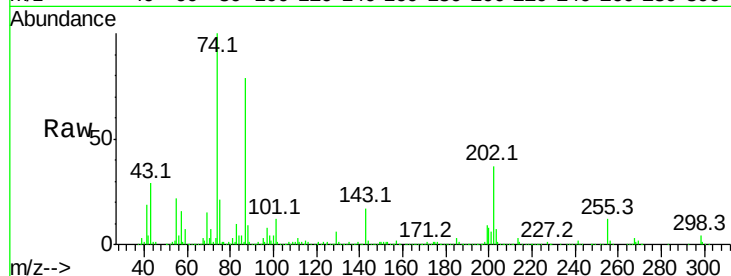
ClientSampleId :

SB-29-COMP

Tot Ion:	202	Resp:	333341
Ion Ratio	Lower	Upper	
202	100		
101	31.0	0.0	33.2
203	18.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

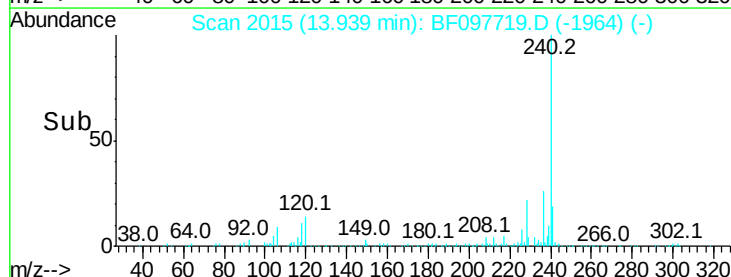
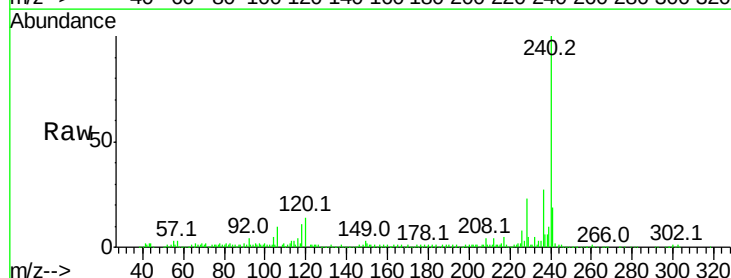
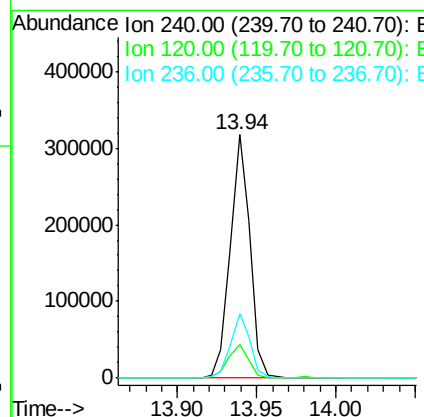
RT: 13.94 min Scan# 2015

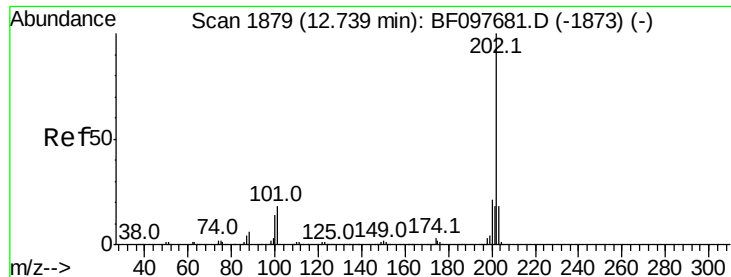
Delta R.T. 0.00 min

Lab File: BF097719.D

Acq: 16 Aug 2017 4:58

Tgt Ion:	240	Resp:	270077
Ion Ratio	Lower	Upper	
240	100		
120	14.0	5.8	8.8#
236	26.7	20.5	30.7





#77

Pvrene

Concen: 21.367 ng

RT: 12.75 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BF097719.D

Acq: 16 Aug 2017 4:58

Instrument :

BNA_F

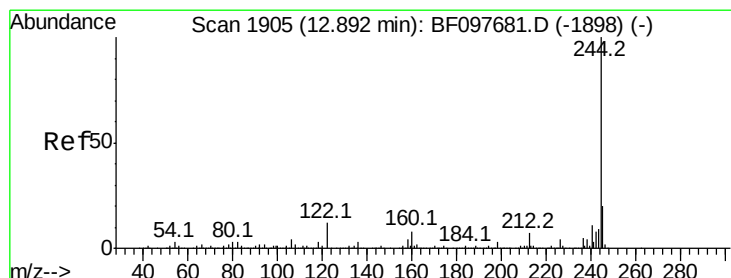
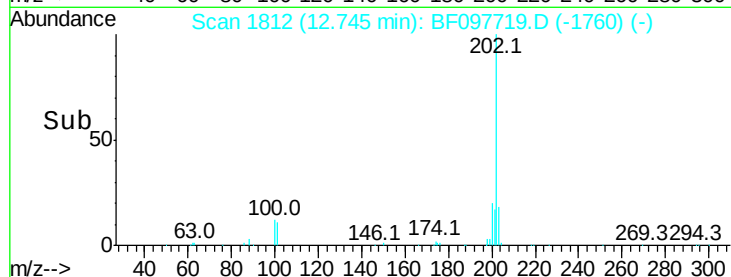
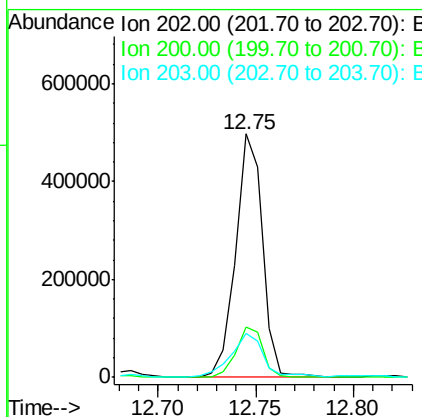
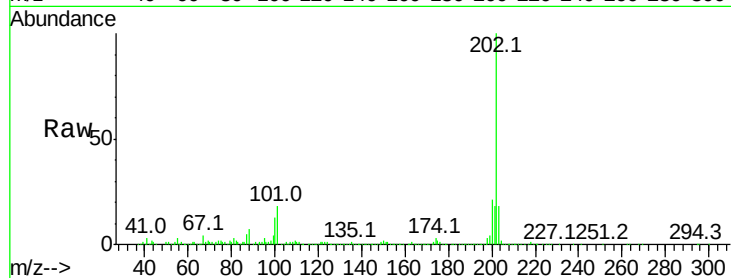
ClientSampleId :

SB-29-COMP

Tot Ion:	202	Resp:	471976
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.6	26.4
203	18.3	14.4	21.6

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#78

Terphenyl-d14

Concen: 43.278 ng

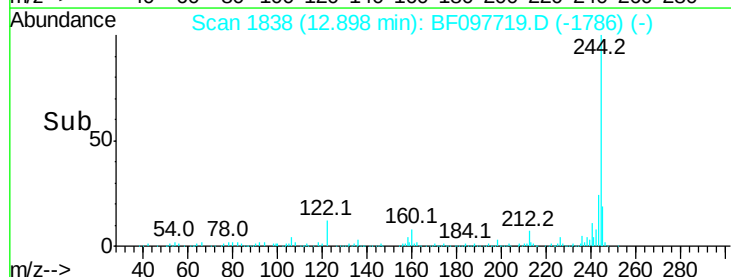
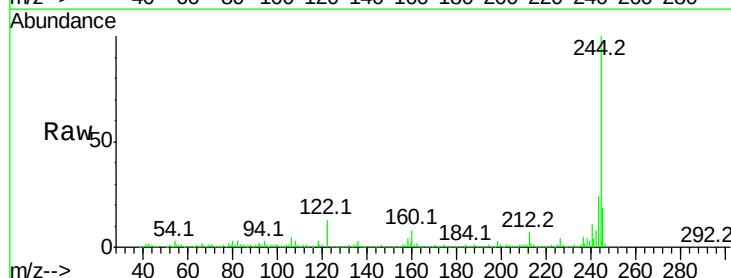
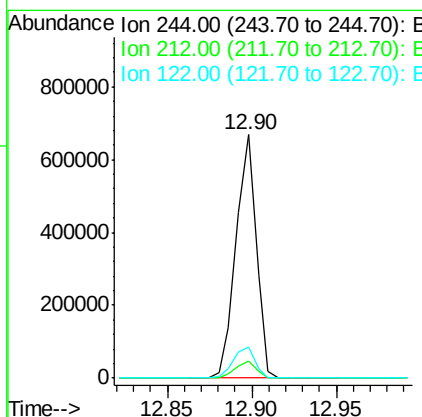
RT: 12.90 min Scan# 1838

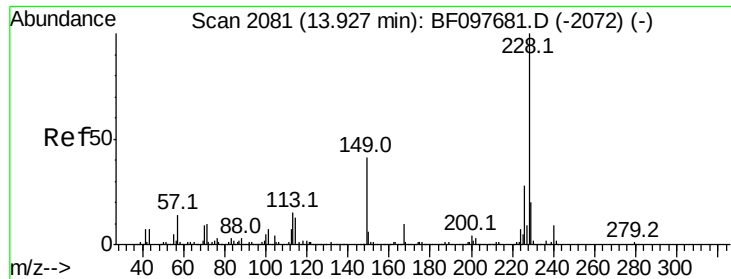
Delta R.T. 0.01 min

Lab File: BF097719.D

Acq: 16 Aug 2017 4:58

Tgt Ion:	244	Resp:	560503
Ion Ratio		Lower	Upper
244	100		
212	7.2	6.0	9.0
122	12.7	10.3	15.5





#80

Benzo(a)anthracene

Concen: 16.248 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF097719.D

Acq: 16 Aug 2017 4:58

Instrument :

BNA_F

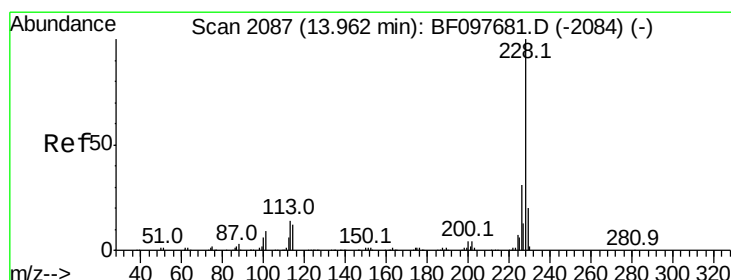
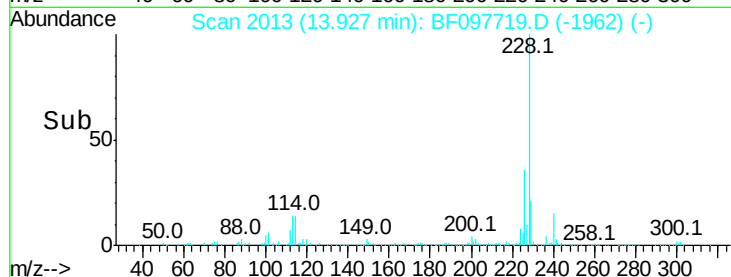
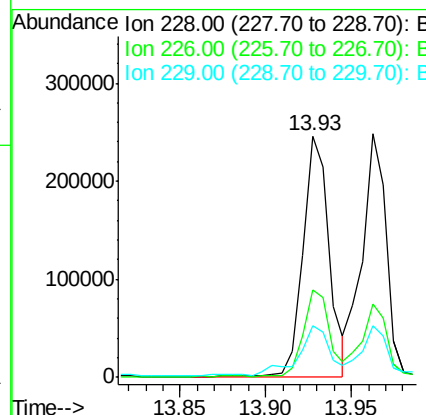
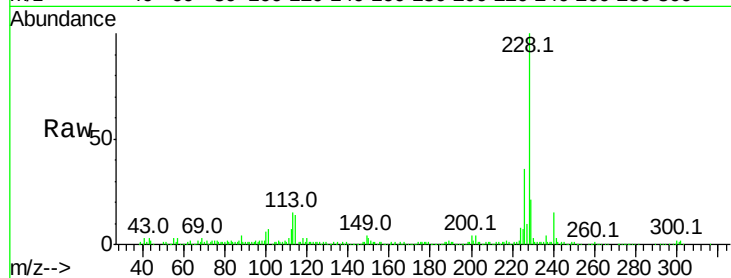
ClientSampleId :

SB-29-COMP

Tot Ion:	228	Resp:	263000
Ion Ratio	Lower	Upper	
228	100		
226	36.3	22.6	33.8#
229	21.2	16.3	24.5

Manual Integrations
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#82

Chrysene

Concen: 14.890 ng

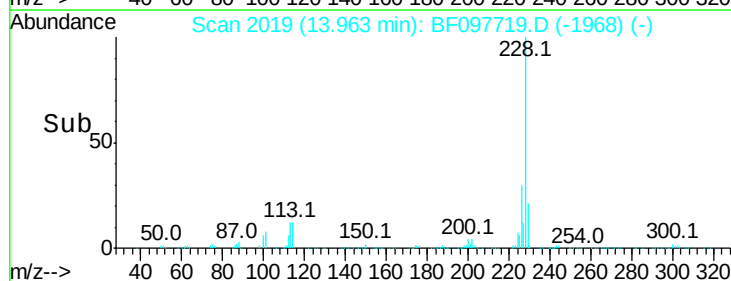
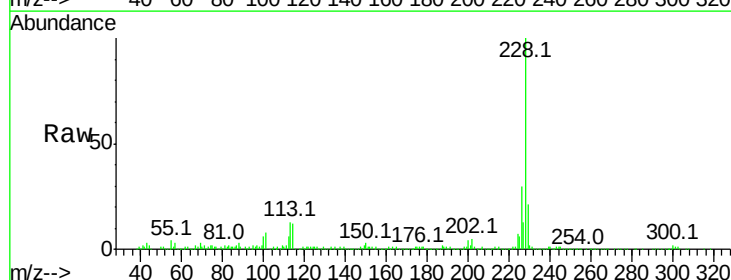
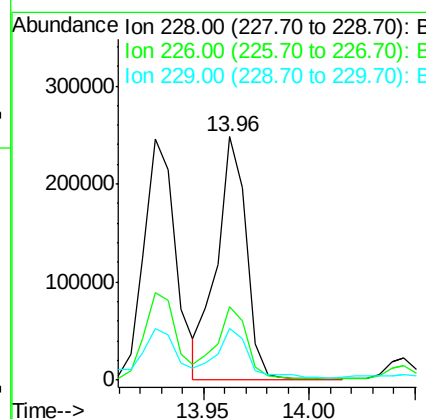
RT: 13.96 min Scan# 2019

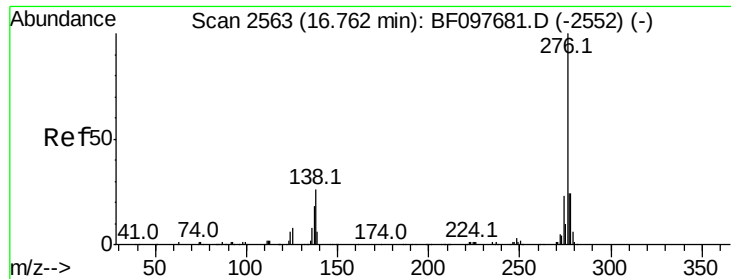
Delta R.T. 0.00 min

Lab File: BF097719.D

Acq: 16 Aug 2017 4:58

Tgt Ion:	228	Resp:	239768
Ion Ratio	Lower	Upper	
228	100		
226	30.4	24.9	37.3
229	21.1	15.8	23.6





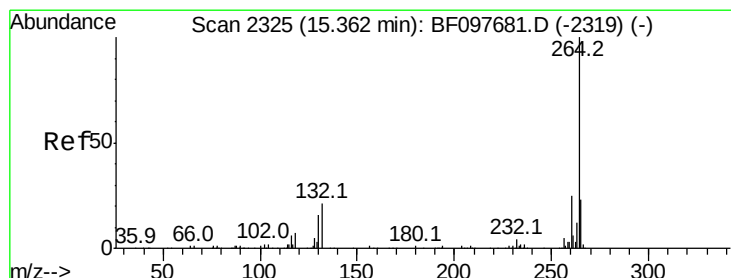
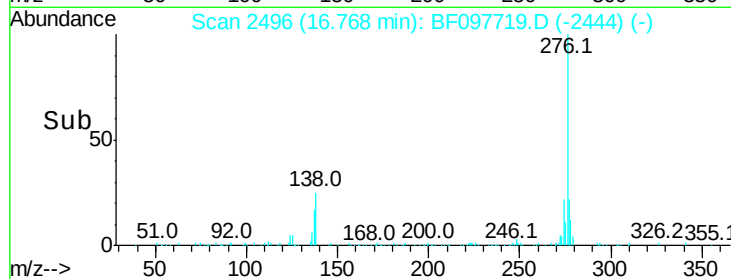
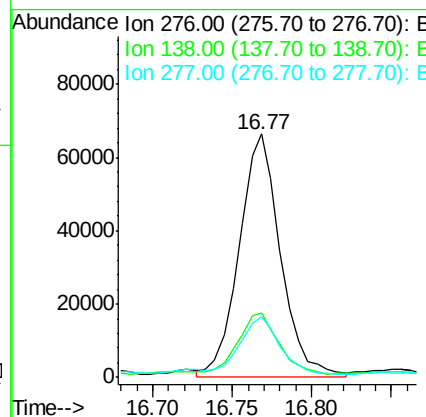
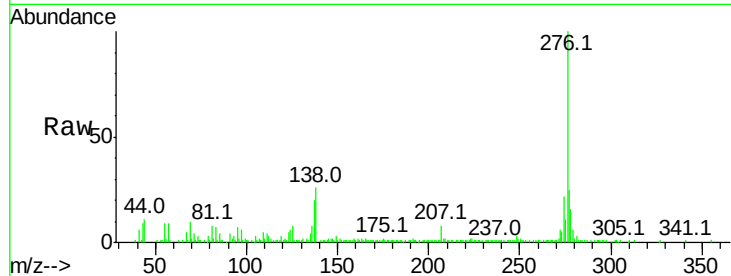
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.199 ng
 RT: 16.77 min Scan# 2496
 Delta R.T. 0.01 min
 Lab File: BF097719.D
 Acq: 16 Aug 2017 4:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-29-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.5	27.8	41.6#
277	5.3	20.2	30.4#

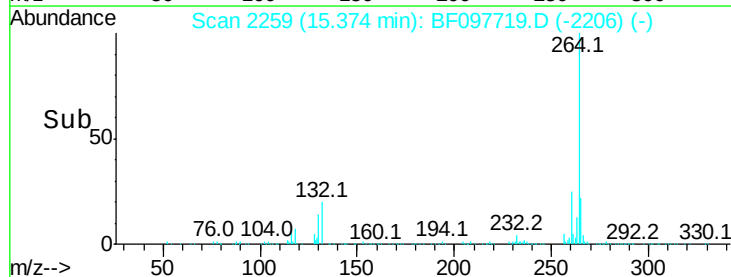
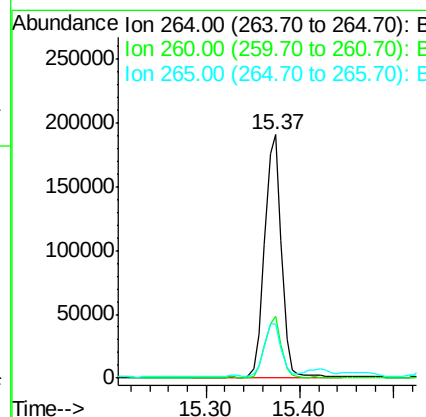
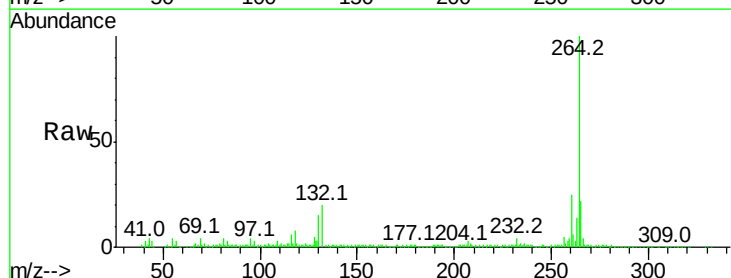
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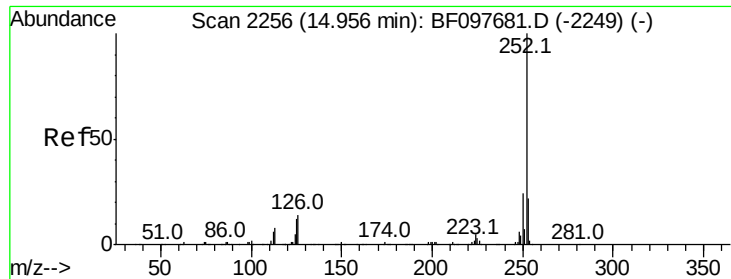
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2259
 Delta R.T. 0.01 min
 Lab File: BF097719.D
 Acq: 16 Aug 2017 4:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.5	29.3
265	22.1	17.2	25.8





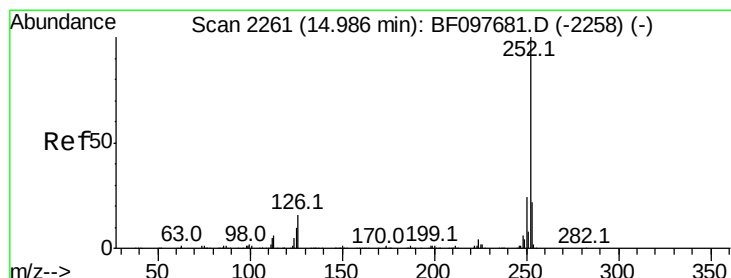
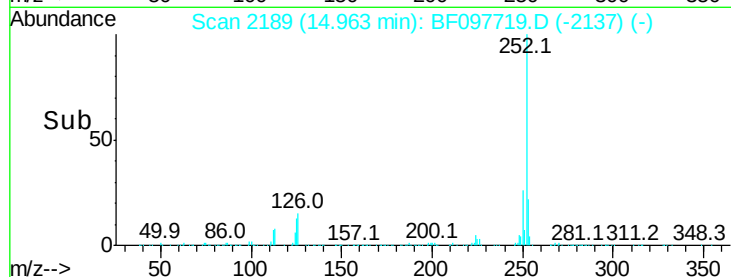
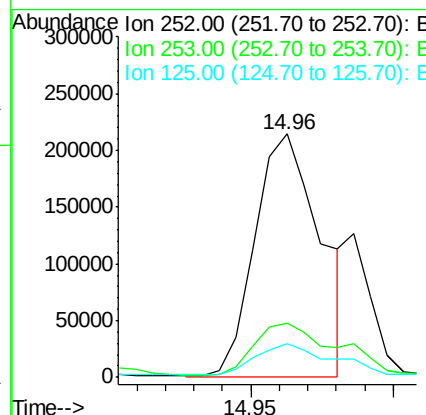
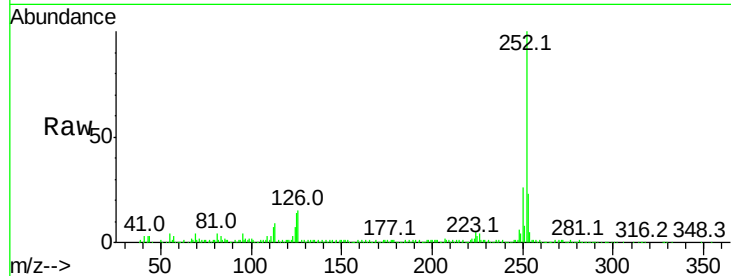
#87
Benzo(b)fluoranthene
Concen: 22.679 ng m
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Instrument :
BNA_F
ClientSampleId :
SB-29-COMP

Tot Ion	Ratio	Resp	Lower	Upper
252	100	340221		
253	22.5		18.1	27.1
125	13.7		9.8	14.8

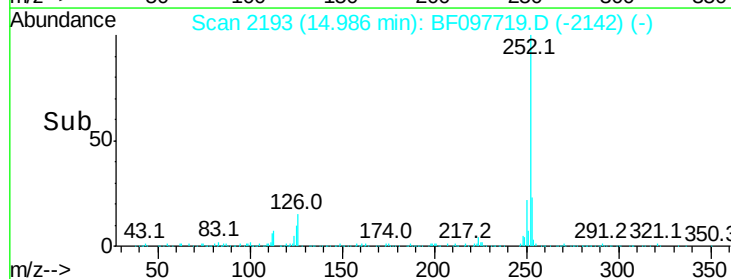
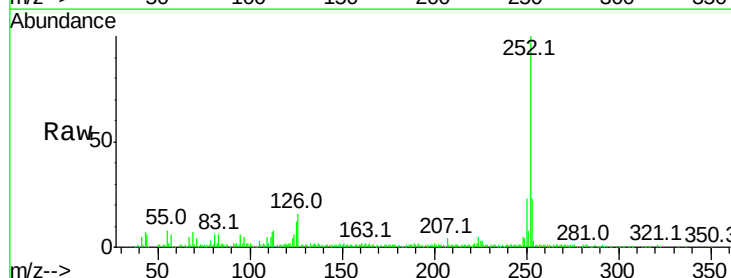
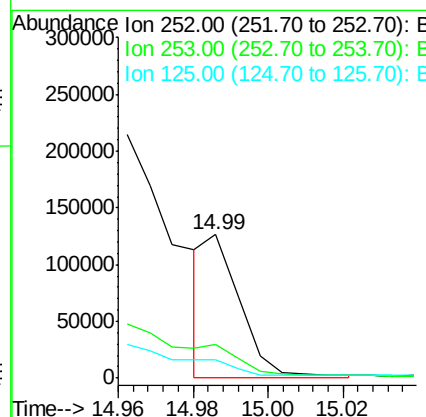
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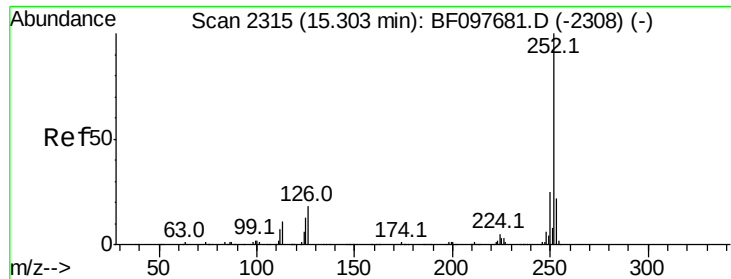
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#88
Benzo(k)fluoranthene
Concen: 5.773 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	81369		
253	23.5		18.4	27.6
125	12.5		13.1	19.7





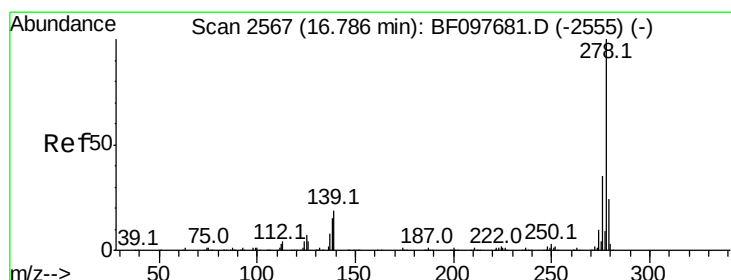
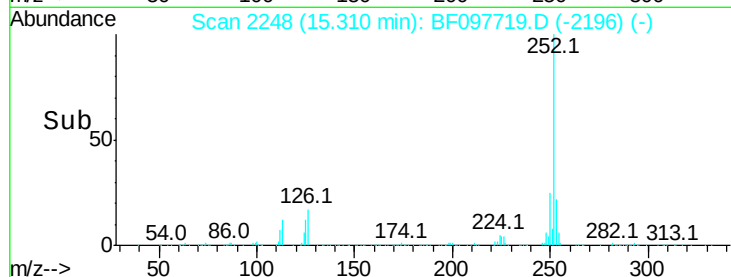
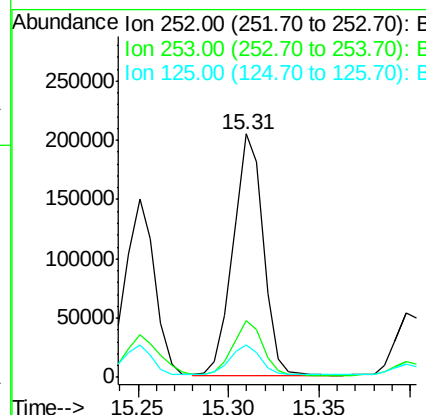
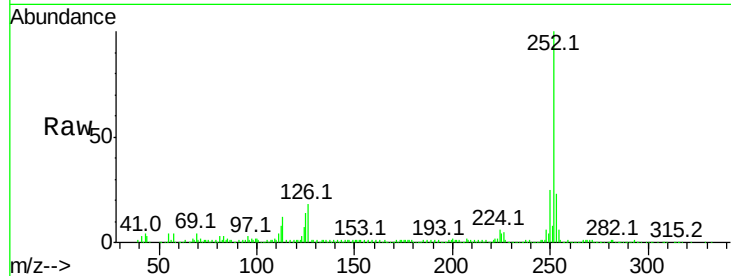
#89
Benzo(a)pyrene
Concen: 17.795 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Instrument :
BNA_F
ClientSampled :
SB-29-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	13.5	11.0	16.4

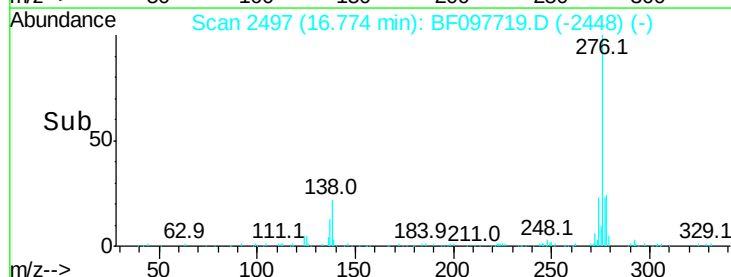
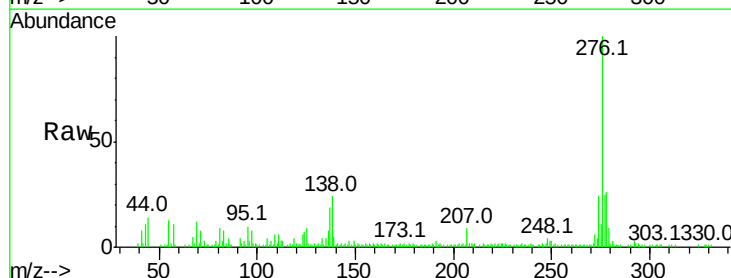
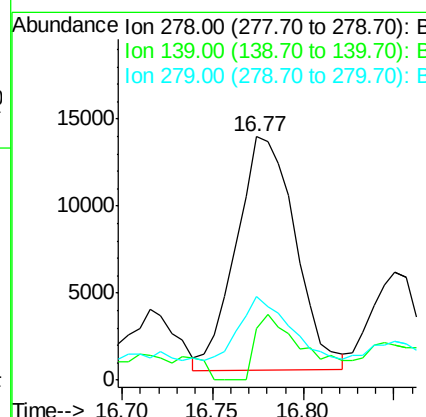
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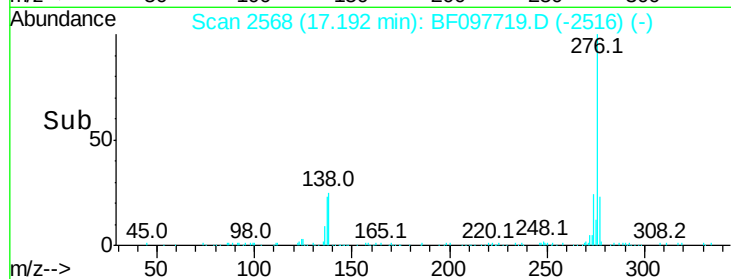
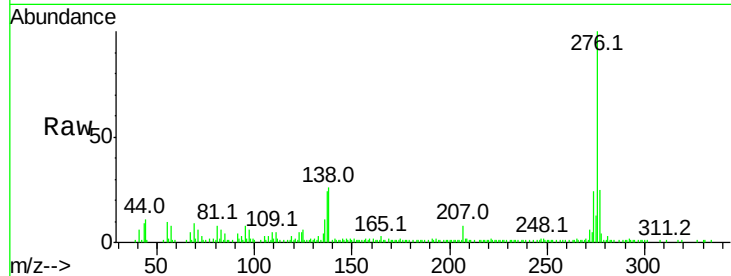
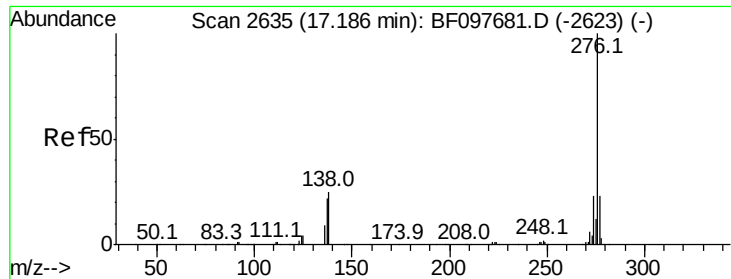
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#90
Dibenzo(a,h)anthracene
Concen: 2.812 ng
RT: 16.77 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BF097719.D
Acq: 16 Aug 2017 4:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.2	16.6	24.8
279	34.2	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 10.411 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.01 min

Lab File: BF097719.D

Acq: 16 Aug 2017 4:58

Instrument :

BNA_F

ClientSampleId :

SB-29-COMP

Tot Ion: 276 Resp: 117456

Ion Ratio Lower Upper

276 100

277 24.5 18.6 28.0

138 25.9 25.4 38.0

Manual Integrations

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