

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
 Data File : BF106405.D
 Acq On : 13 Jun 2018 21:37
 Operator : JU/SJ
 Sample : J3322-04DL 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB02-3_E_5DL

Manual Integrations
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Quant Time: Jun 14 03:56:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 13 10:51:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	134567	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	530940	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	249211	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	454689	20.00	ng	0.00
75) Chrysene-d12	14.15	240	336561	20.00	ng	-0.01
86) Perylene-d12	15.68	264	349773	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	16951	2.13	ng	0.00
7) Phenol-d6	6.63	99	21397	2.13	ng	0.00
23) Nitrobenzene-d5	7.52	82	13030	1.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	4429	1.85	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	26377	-1.00	ng	-0.01
78) Terphenyl-d14	13.08	244	23759	1.75	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.27	128	322312	13.429	ng	98
37) 2-Methylnaphthalene	8.96	142	34424	2.106	ng	96
48) Acenaphthylene	9.87	152	214927	9.090	ng	98
51) Acenaphthene	10.04	154	71048	4.653	ng	98
54) Dibenzofuran	10.21	168	68337	3.324	ng	99
57) Fluorene	10.55	166	108828	6.680	ng	99
70) Phenanthrene	11.52	178	547294	24.578	ng	99
71) Anthracene	11.57	178	190760	8.551	ng	99
74) Fluoranthene	12.72	202	735672	30.979	ng	96
77) Pyrene	12.95	202	759731	36.056	ng	99
80) Benzo(a)anthracene	14.14	228	487942m	24.362	ng	
82) Chrysene	14.17	228	419415	22.936	ng	98
85) Indeno(1,2,3-cd)pyrene	17.24	276	264402	18.117	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	718317m	33.974	ng	
88) Benzo(k)fluoranthene	15.25	252	210410m	10.048	ng	
89) Benzo(a)pyrene	15.62	252	553553	29.107	ng	95
90) Dibenzo(a,h)anthracene	17.25	278	68800	4.339	ng	# 75
91) Benzo(g,h,i)perylene	17.72	276	248753	16.144	ng	92

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

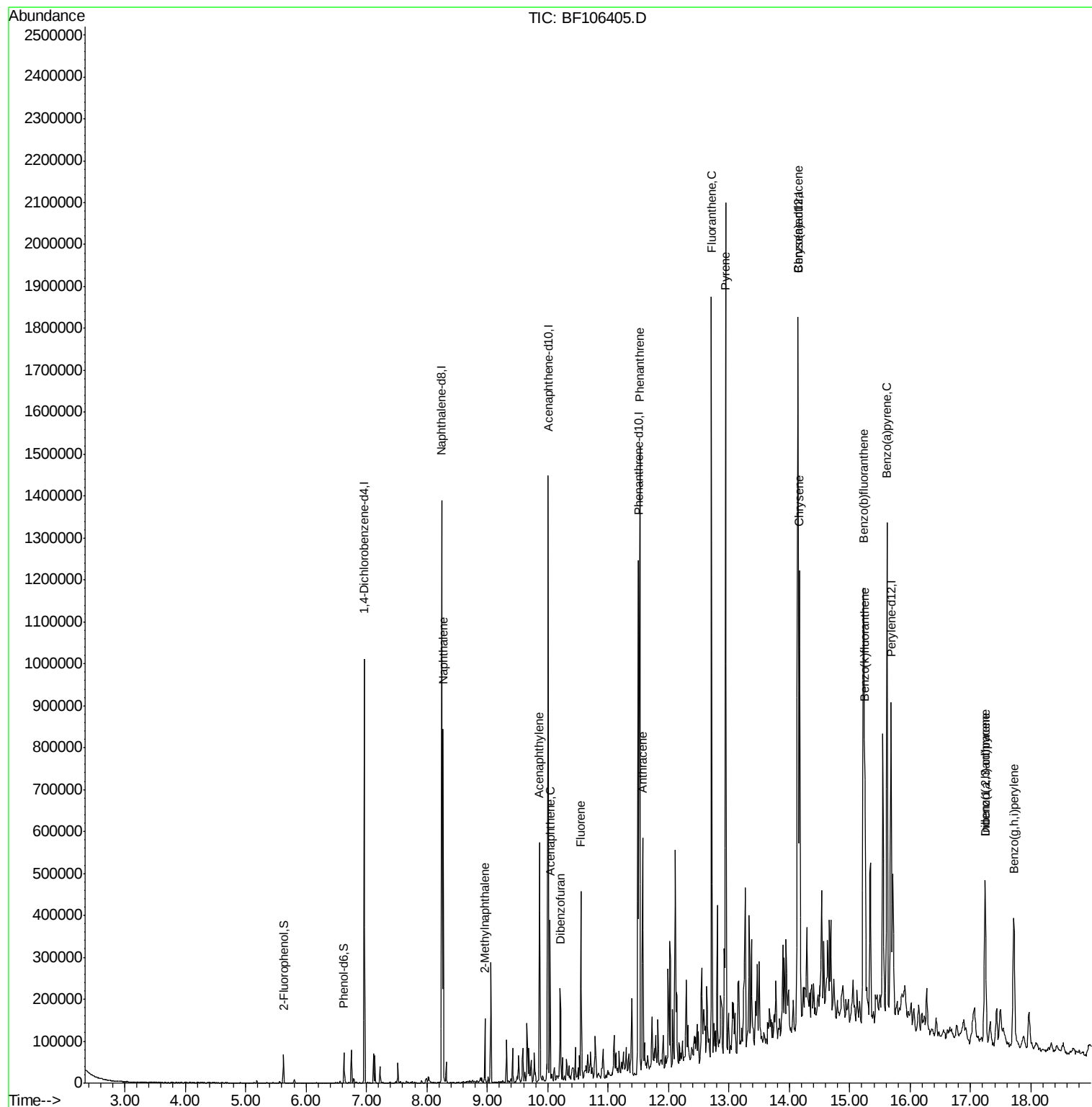
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\
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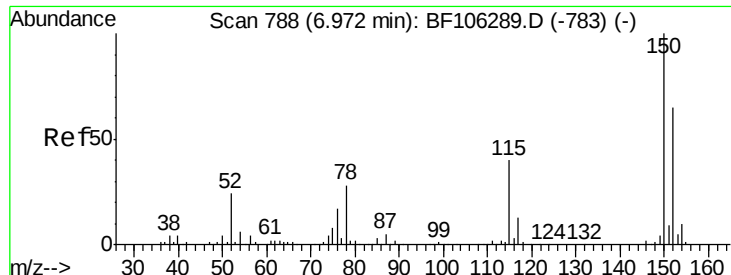
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 13 10:51:26 2018
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#1

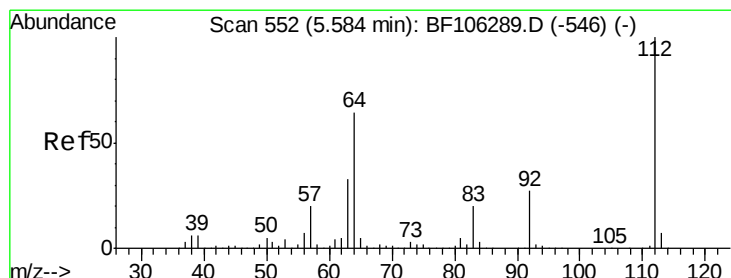
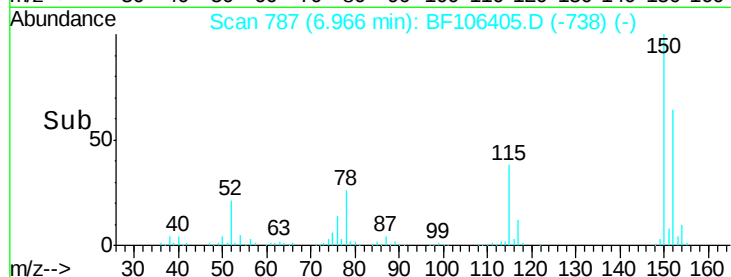
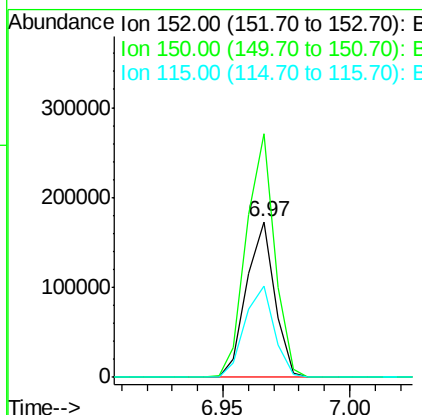
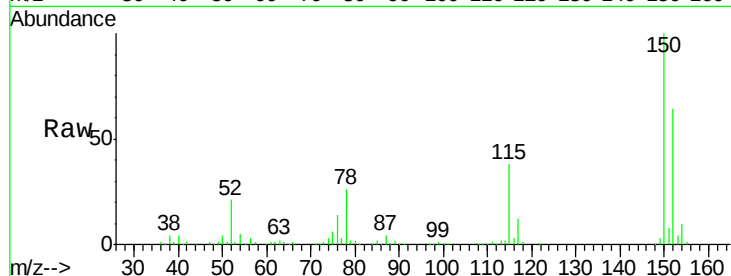
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Instrument :
BNA_F
ClientSampleId :
SB02-3_E_5DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	58.9	50.1	75.1

Manual Integrations
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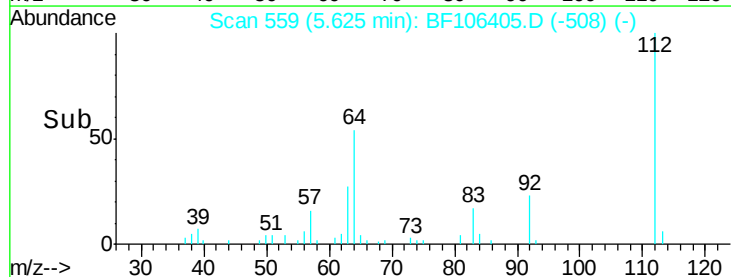
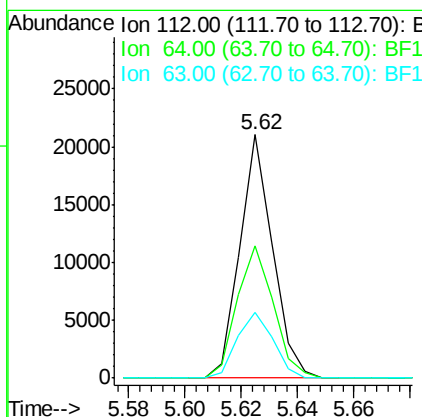
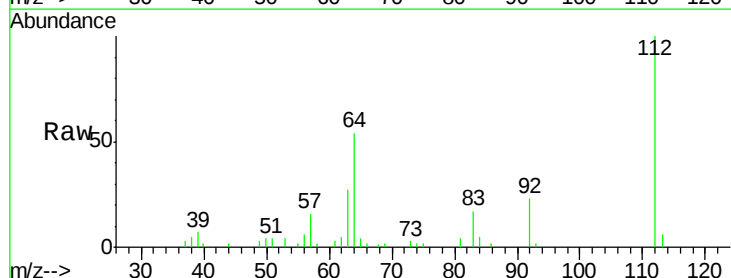
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#5

2-Fluorophenol
Concen: 2.132 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.00 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	47.9	71.9
63	27.0	23.7	35.5





#7

Phenol-d6

Concen: 2.130 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Instrument :

BNA_F

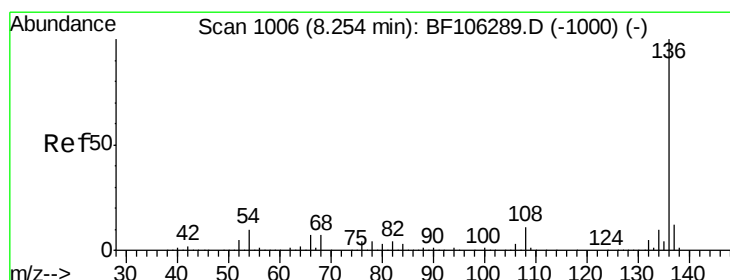
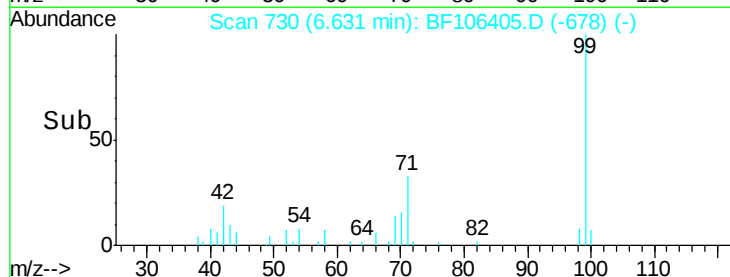
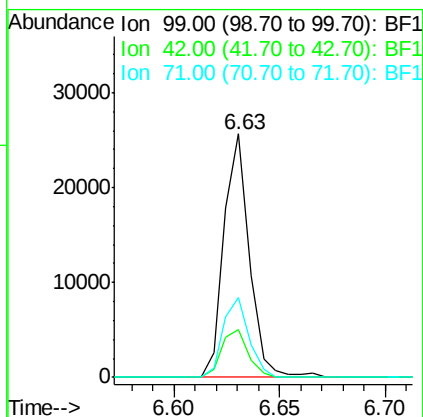
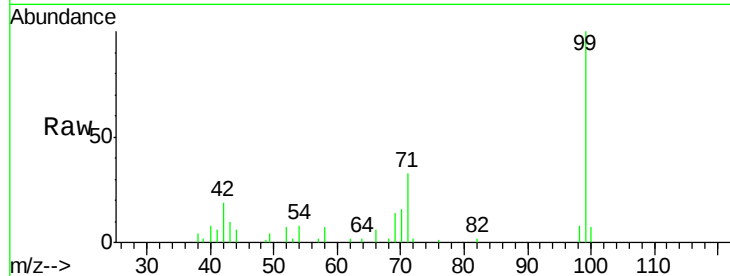
ClientSampleId :

SB02-3_E_5DL

Tot Ion:	99	Resp:	21397
Ion Ratio	Lower	Upper	
99	100		
42	19.5	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

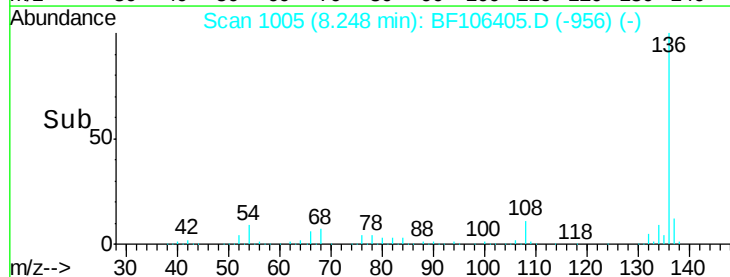
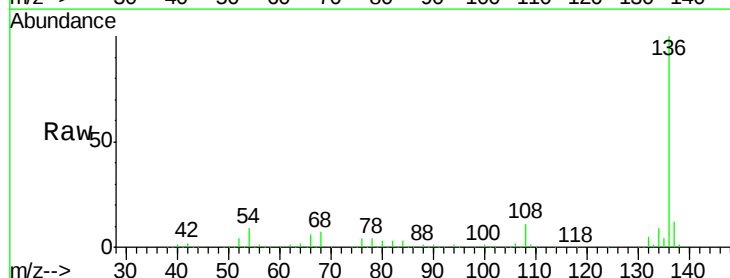
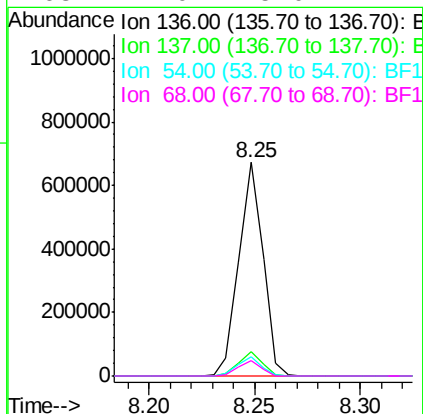
RT: 8.25 min Scan# 1005

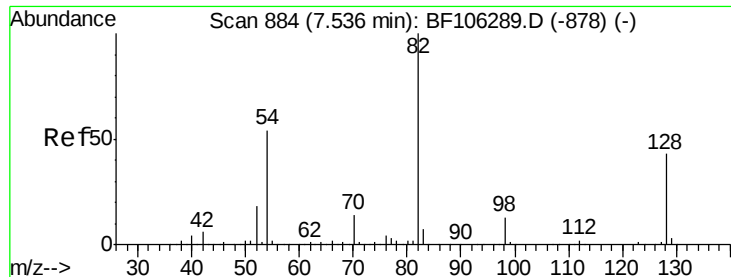
Delta R.T. -0.01 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Tgt Ion:	136	Resp:	530940
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.9	13.3
54	8.8	6.6	9.8
68	7.0	5.0	7.4





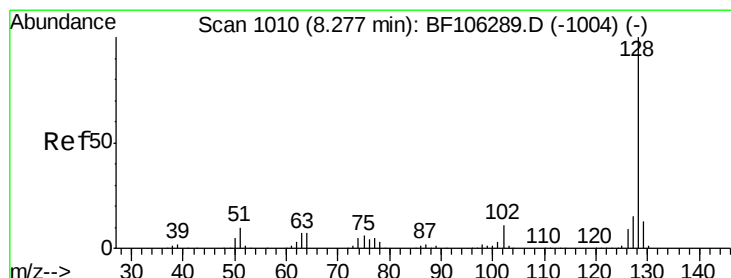
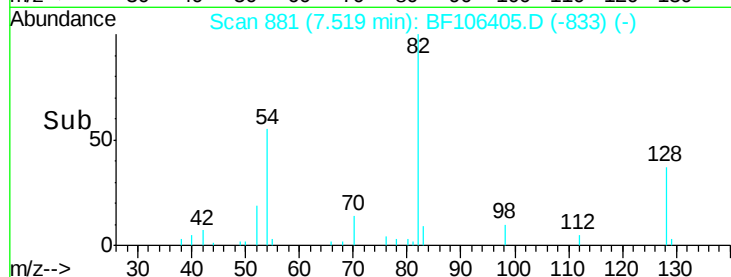
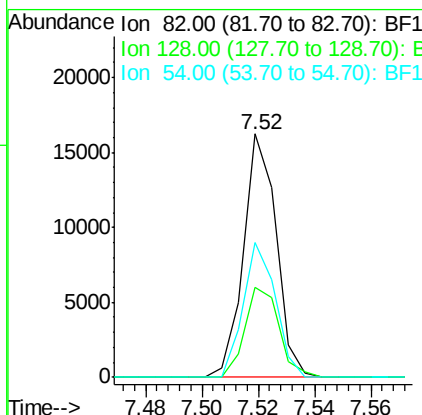
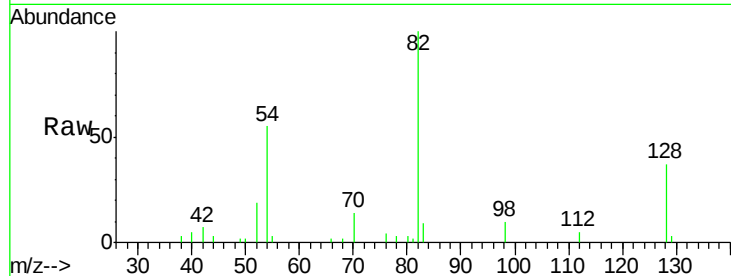
#23
 Nitrobenzene-d5
 Concen: 1.444 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF106405.D
 Acq: 13 Jun 2018 21:37

Instrument :
 BNA_F
 ClientSampleId :
 SB02-3_E_5DL

Tot Ion	82	Resp	13030
Ion Ratio	100	Lower	Upper
82	100		
128	36.9	36.1	54.1
54	55.2	41.4	62.2

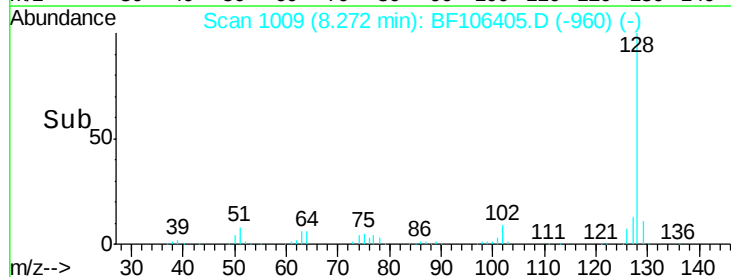
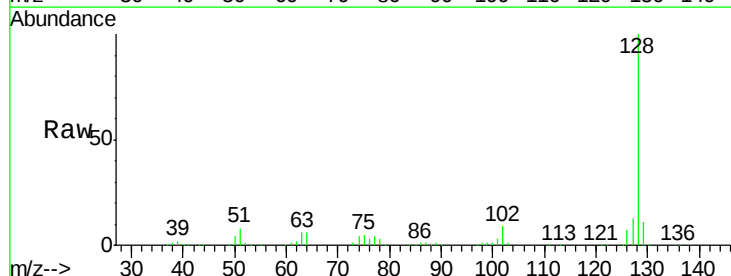
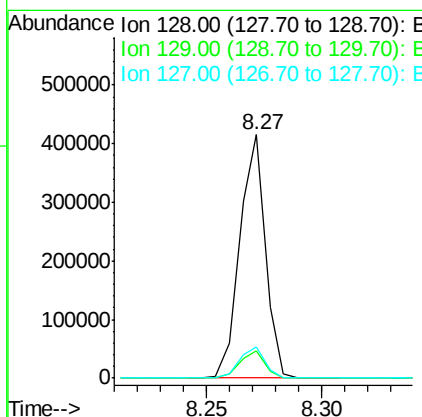
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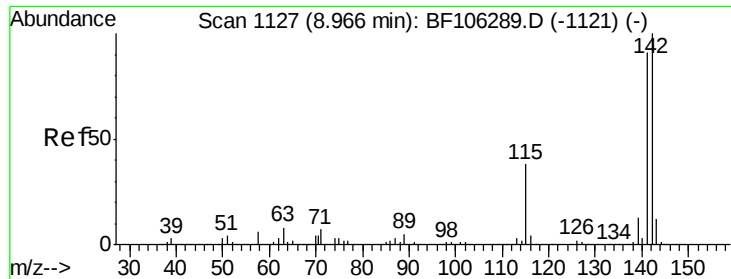
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#31
 Naphthalene
 Concen: 13.429 ng
 RT: 8.27 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: BF106405.D
 Acq: 13 Jun 2018 21:37

Tgt Ion	128	Resp	322312
Ion Ratio	100	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.8	10.9	16.3





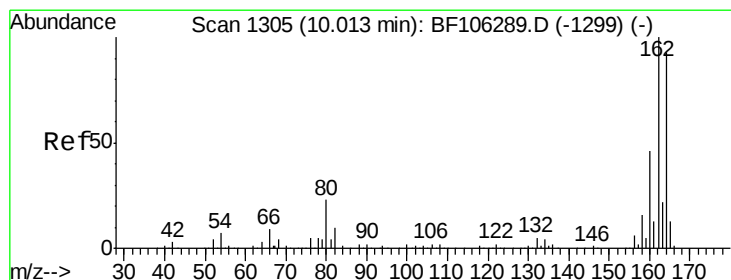
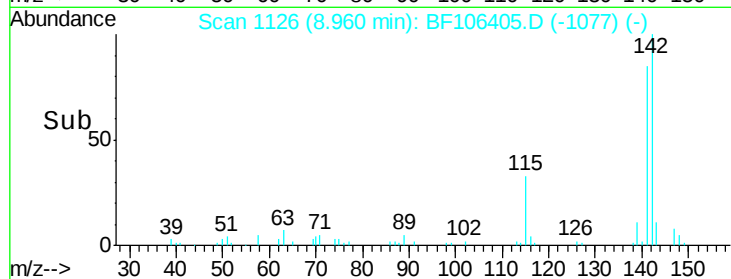
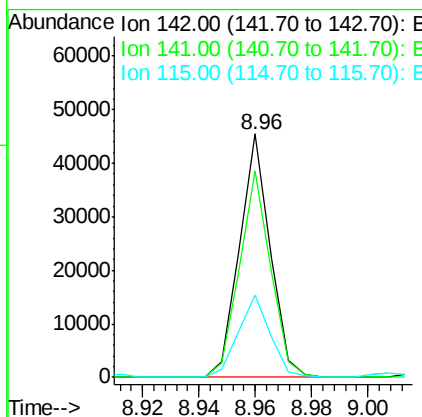
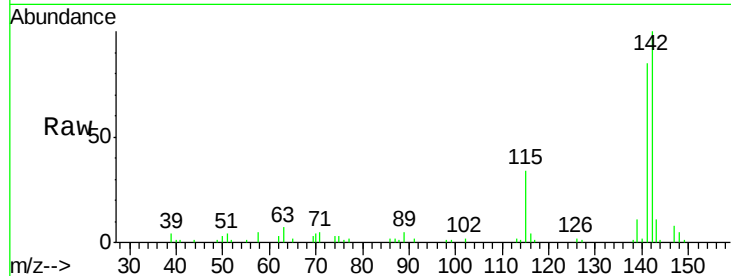
#37
2-Methylnaphthalene
Concen: 2.106 ng
RT: 8.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Instrument :
BNA_F
ClientSampleId :
SB02-3_E_5DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.6	70.8	106.2
115	33.8	26.1	39.1

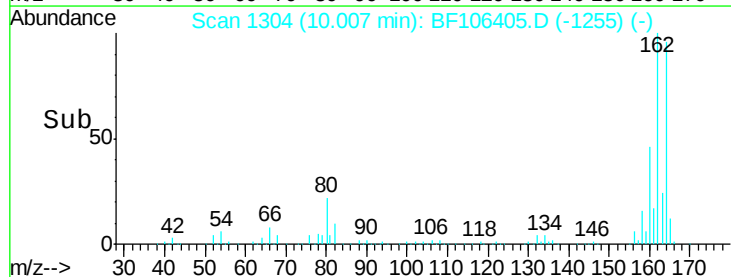
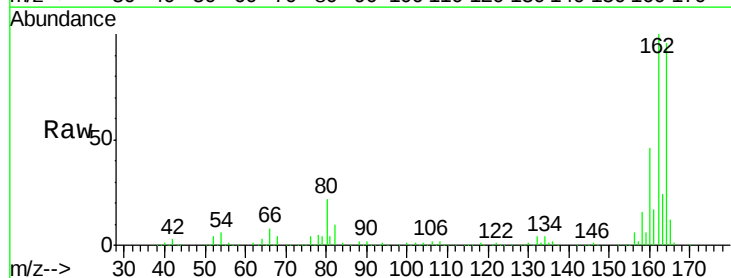
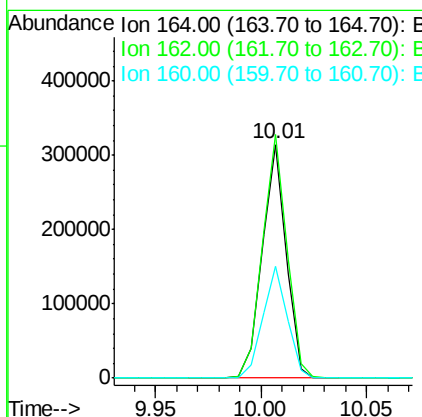
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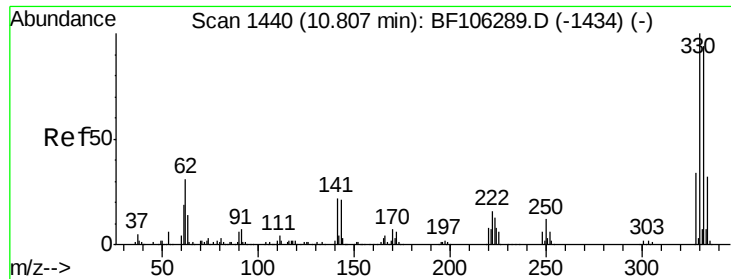
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	48.0	38.3	57.5





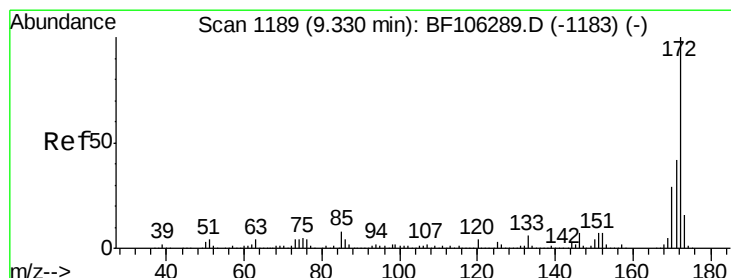
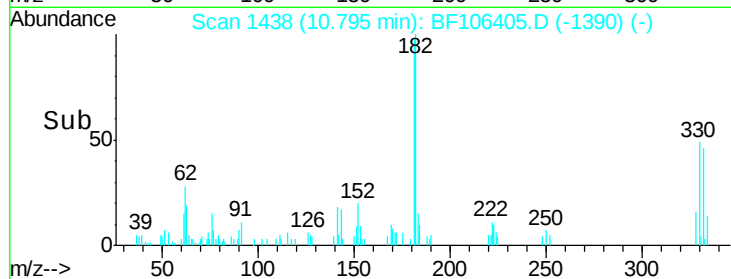
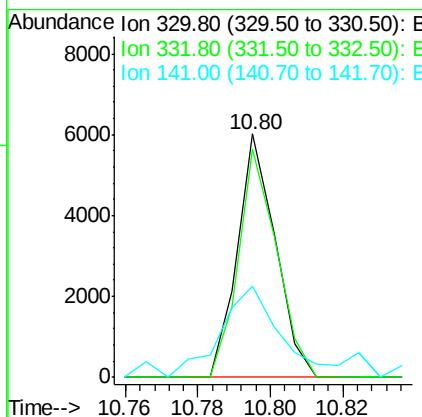
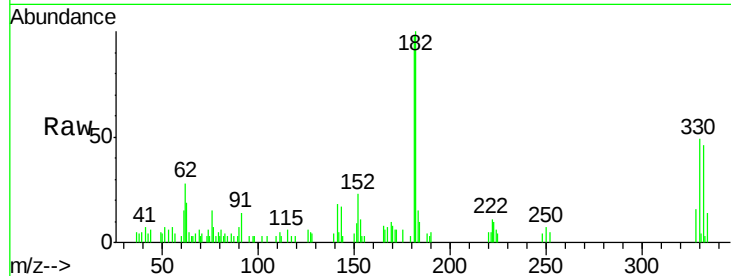
#41
 2,4,6-Tribromophenol
 Concen: 1.847 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF106405.D
 Acq: 13 Jun 2018 21:37

Instrument :
 BNA_F
 ClientSampleId :
 SB02-3_E_5DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.2	77.0	115.6
141	69.8	29.9	44.9

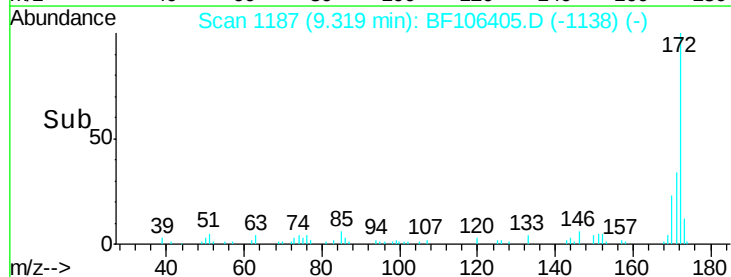
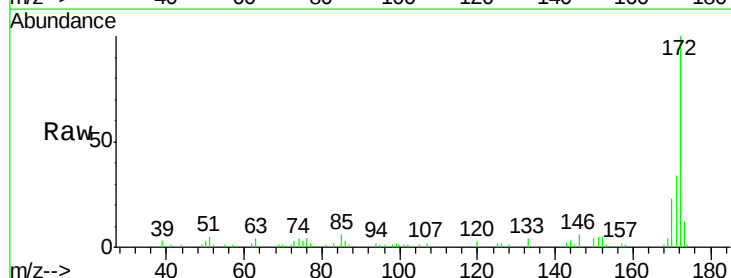
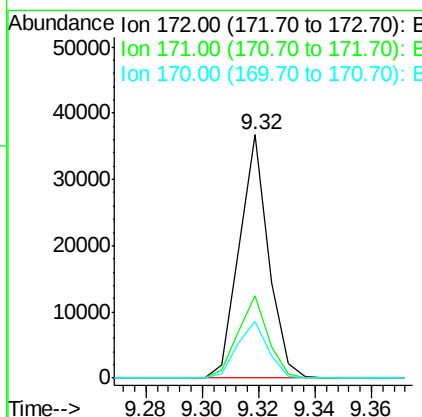
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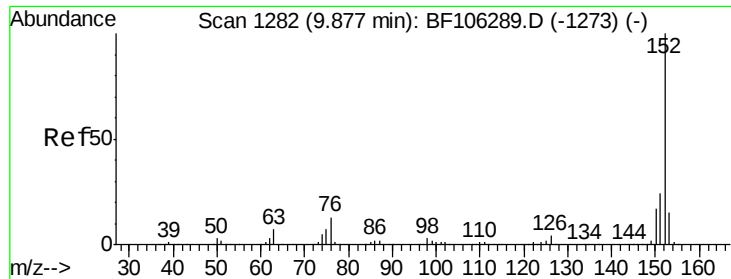
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#44
 2-Fluorobiphenyl
 Concen: -1.000 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106405.D
 Acq: 13 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.7	44.5
170	23.3	19.6	29.4





#48

Acenaphthylene

Concen: 9.090 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Instrument :

BNA_F

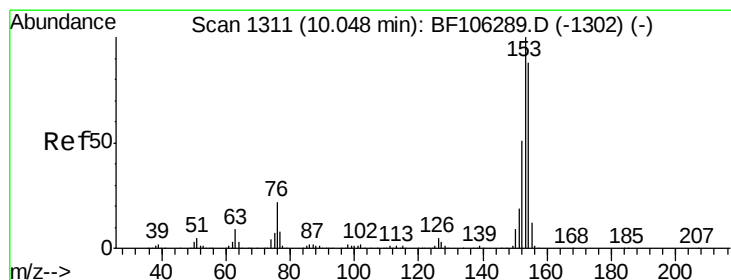
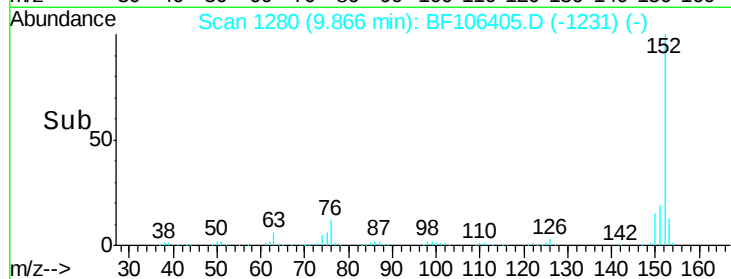
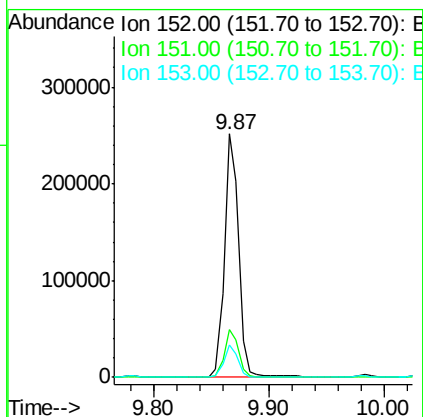
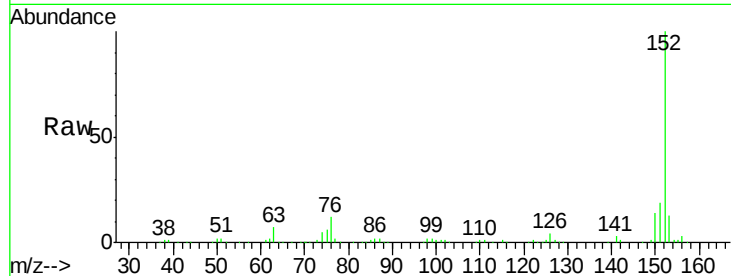
ClientSampleId :

SB02-3_E_5DL

Tot Ion:	152	Resp:	214927
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.3	24.5
153	13.1	10.7	16.1

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#51

Acenaphthene

Concen: 4.653 ng

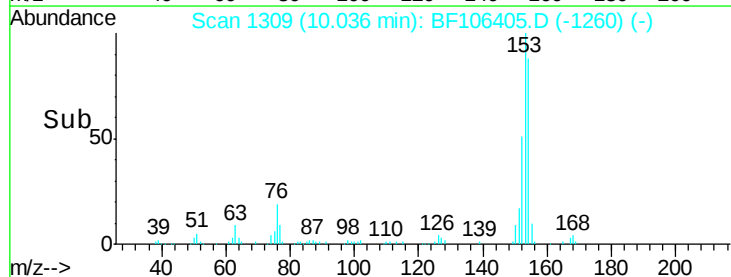
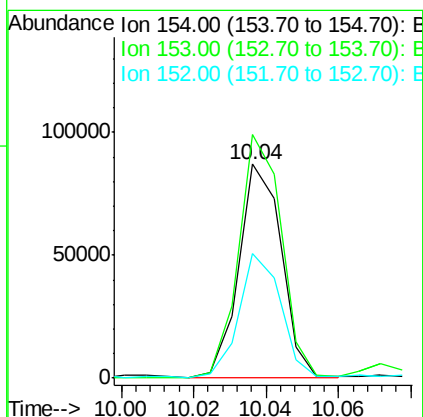
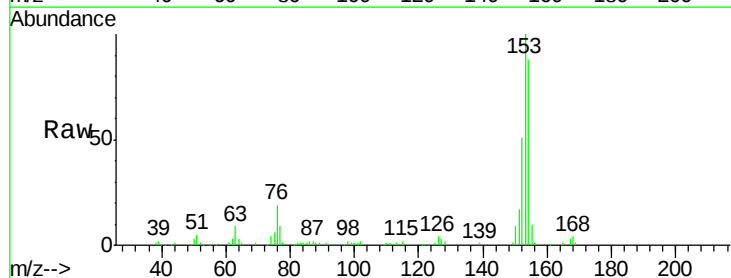
RT: 10.04 min Scan# 1309

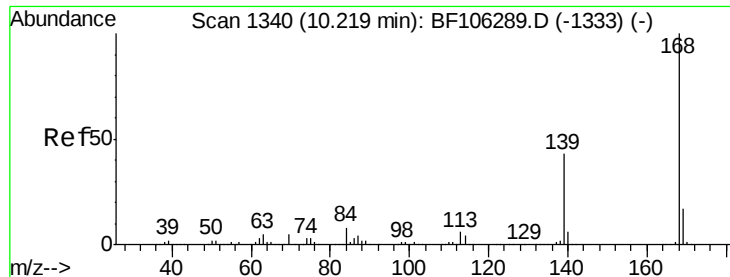
Delta R.T. -0.01 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Tgt Ion:	154	Resp:	71048
Ion Ratio	Lower	Upper	
154	100		
153	114.0	91.2	136.8
152	58.5	43.8	65.8





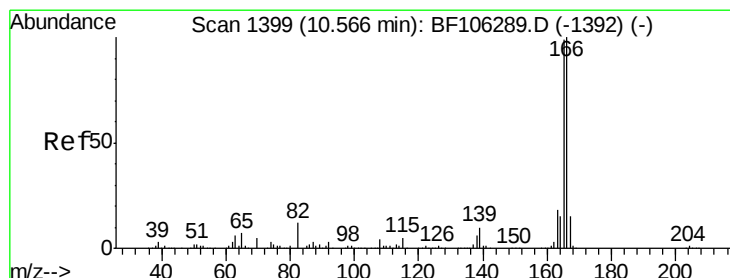
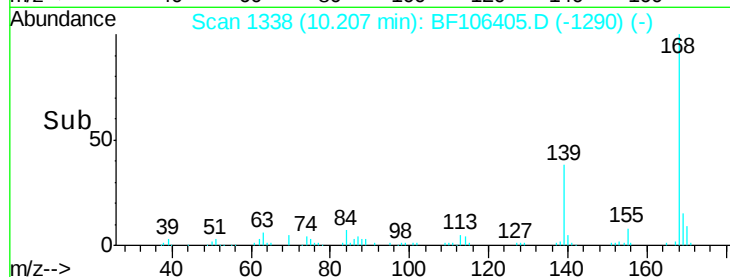
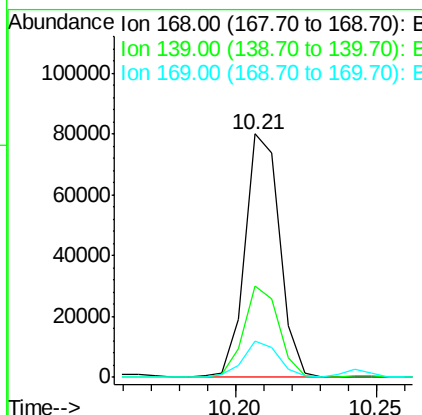
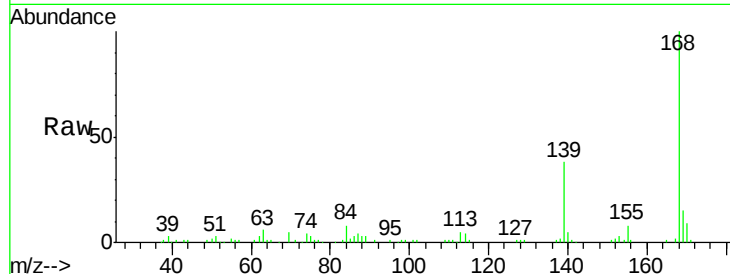
#54
Dibenzenofuran
Concen: 3.324 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.02 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Instrument :
BNA_F
ClientSampleId :
SB02-3_E_5DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.6	30.1	45.1
169	14.9	10.9	16.3

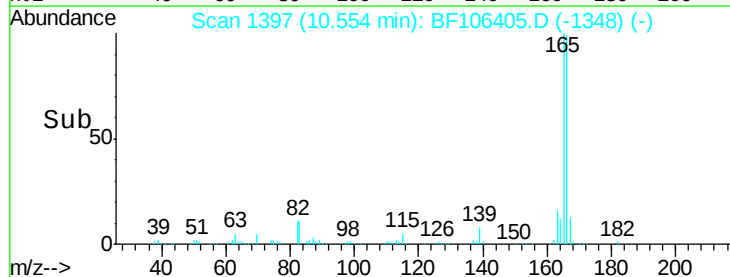
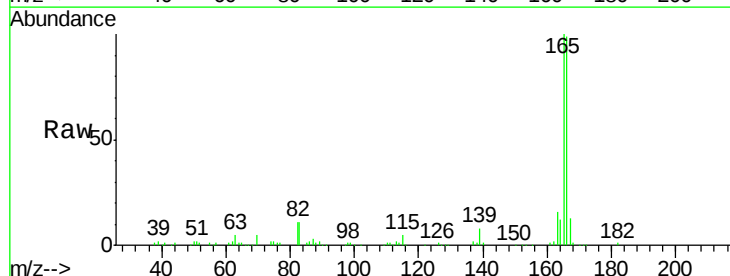
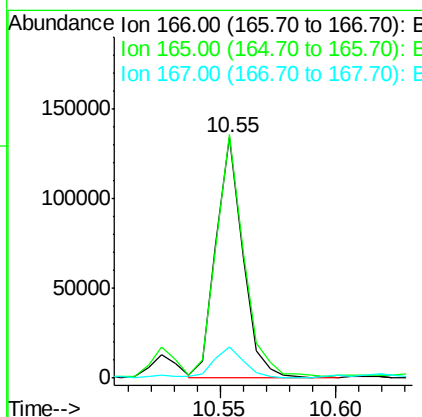
Manual Integrations
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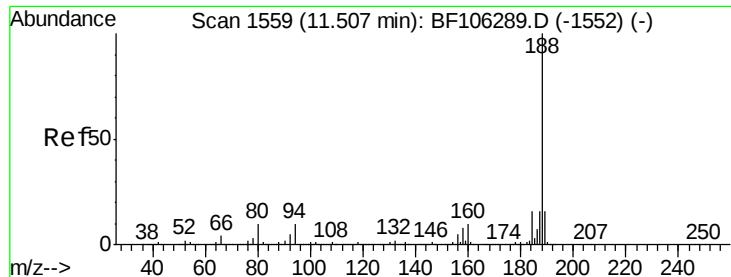
Sohil
6/14/2018 2:47:55 PM



#57
Fluorene
Concen: 6.680 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.1	79.8	119.8
167	13.1	10.6	16.0





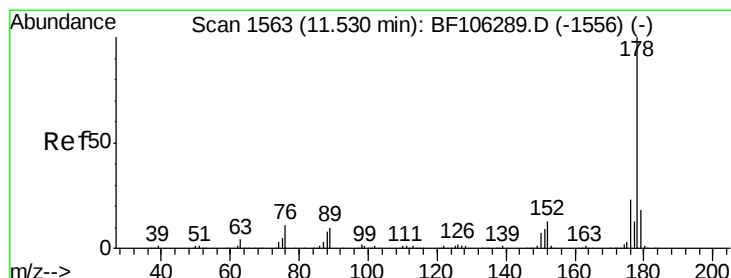
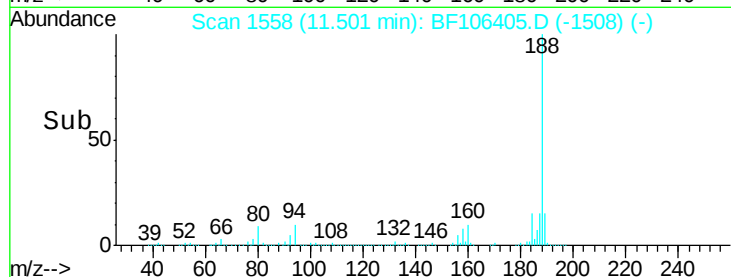
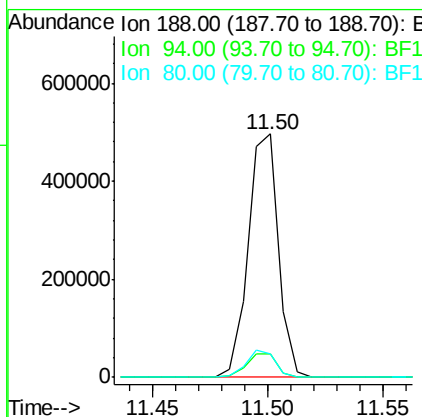
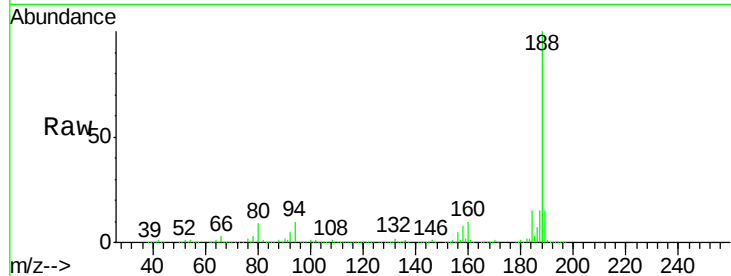
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Instrument :
BNA_F
ClientSampleId :
SB02-3_E_5DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.5	12.7
80	9.4	9.2	13.8

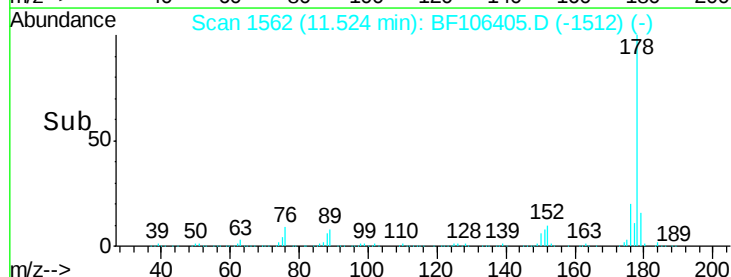
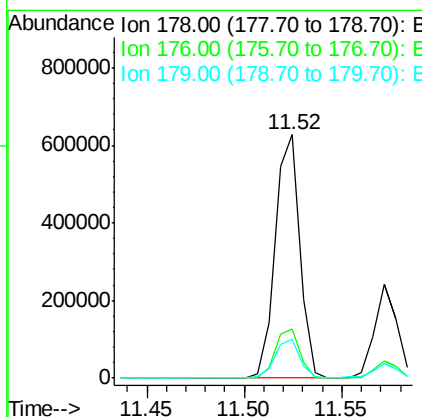
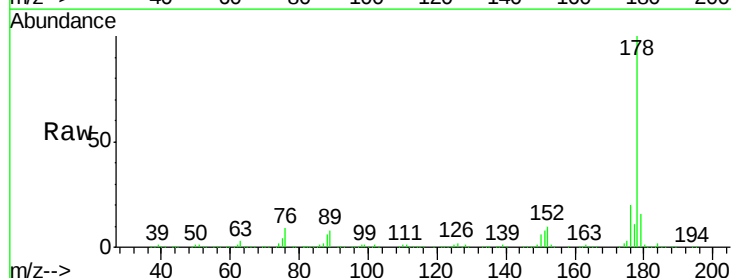
Manual Integrations
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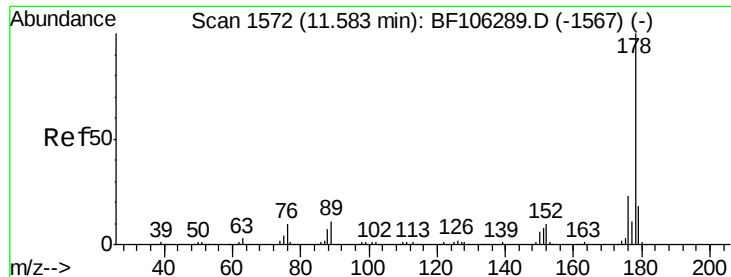
Sohil
6/14/2018 2:47:55 PM



#70
Phenanthrene
Concen: 24.578 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.2	15.8	23.8
179	15.8	13.0	19.6





#71

Anthracene

Concen: 8.551 ng

RT: 11.57 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Instrument :

BNA_F

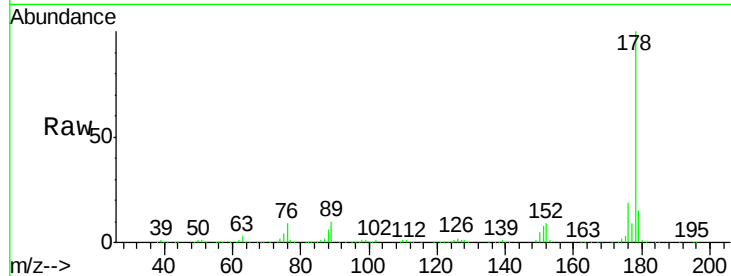
ClientSampleId :

SB02-3_E_5DL

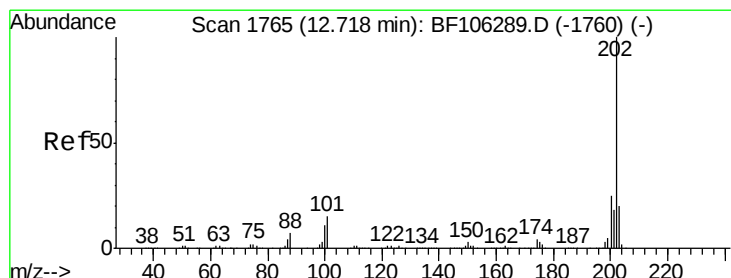
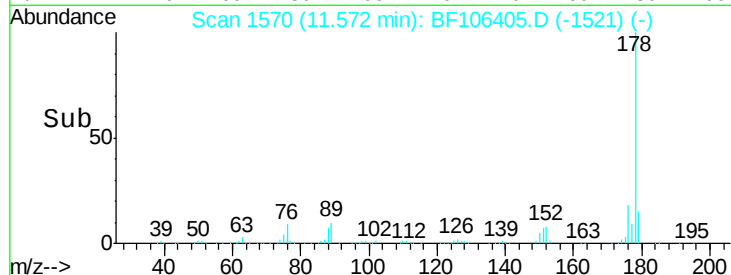
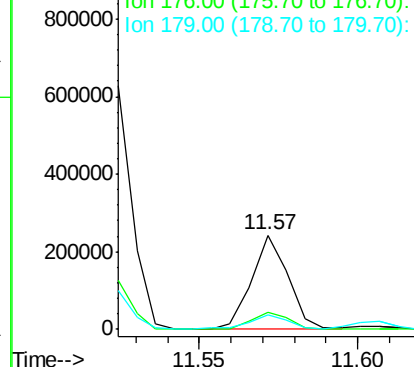
Tot Ion:	178	Resp:	190760
Ion Ratio	Lower	Upper	
178	100		
176	18.6	15.4	23.2
179	15.3	12.6	19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 30.979 ng

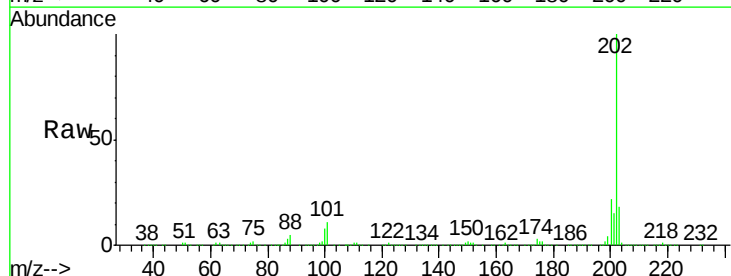
RT: 12.72 min Scan# 1765

Delta R.T. -0.01 min

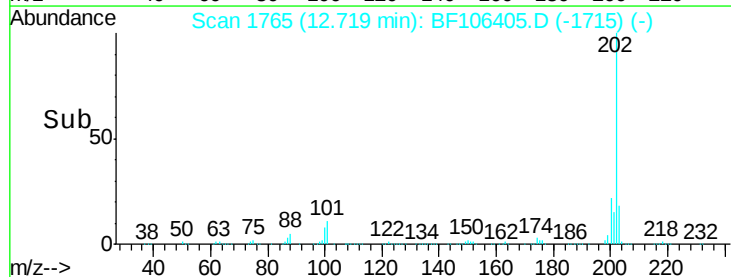
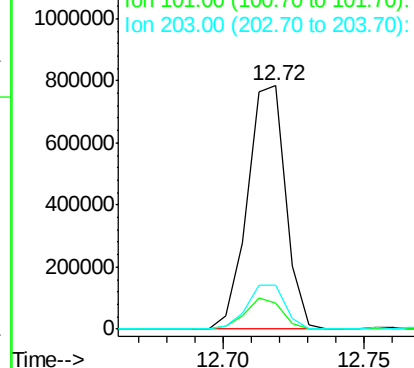
Lab File: BF106405.D

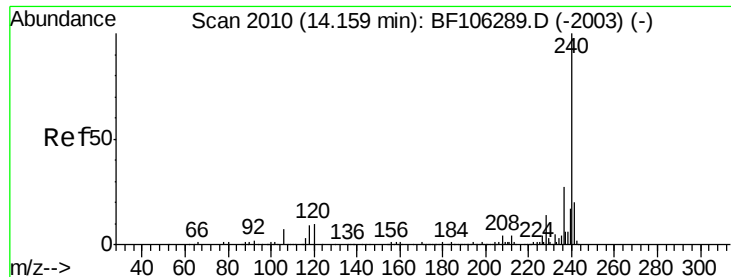
Acq: 13 Jun 2018 21:37

Tgt Ion:	202	Resp:	735672
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	34.1
203	17.8	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Instrument :

BNA_F

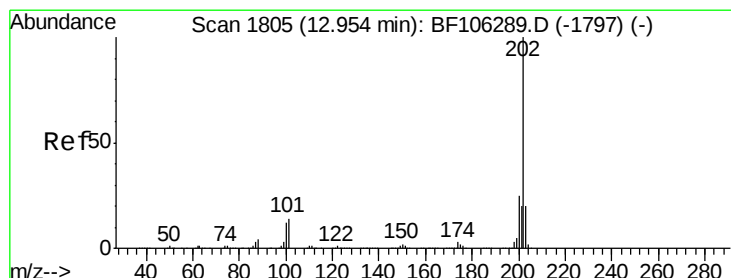
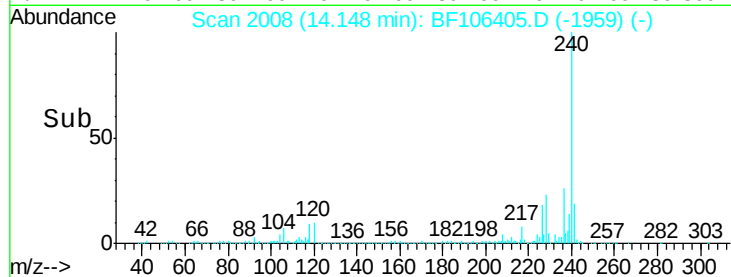
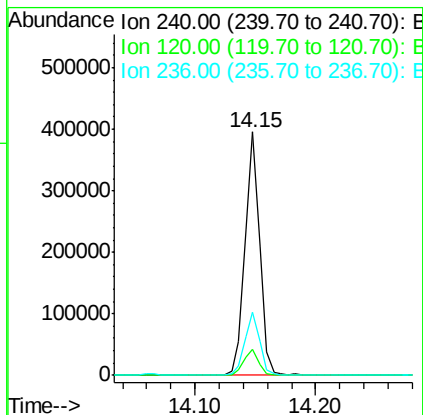
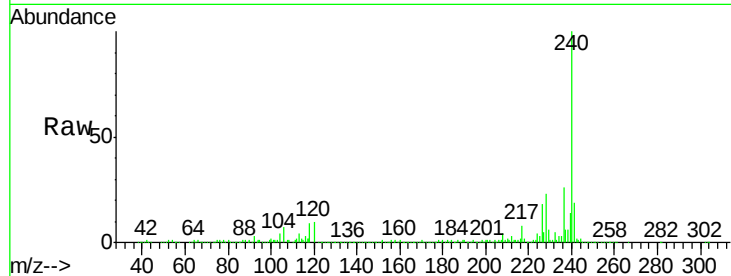
ClientSampleId :

SB02-3_E_5DL

Tot Ion:	240	Resp:	336561
Ion Ratio	Lower	Upper	
240	100		
120	10.5	9.5	14.3
236	26.1	20.7	31.1

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#77

Pyrene

Concen: 36.056 ng

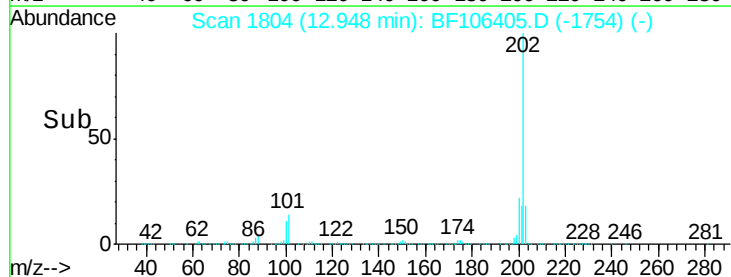
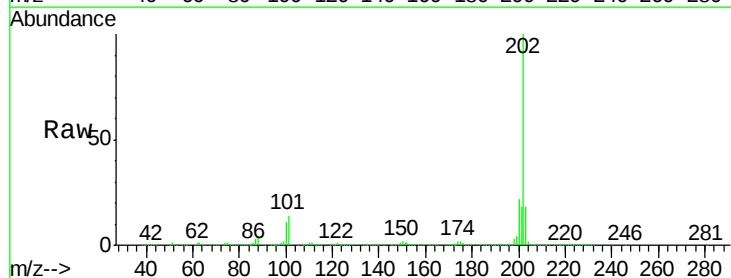
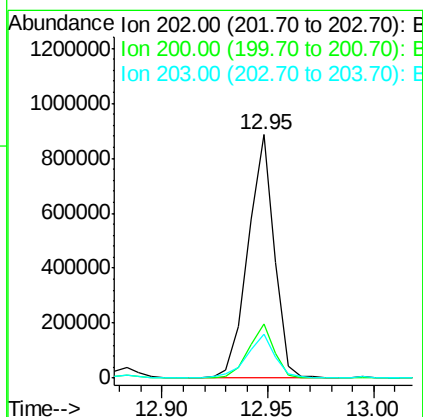
RT: 12.95 min Scan# 1804

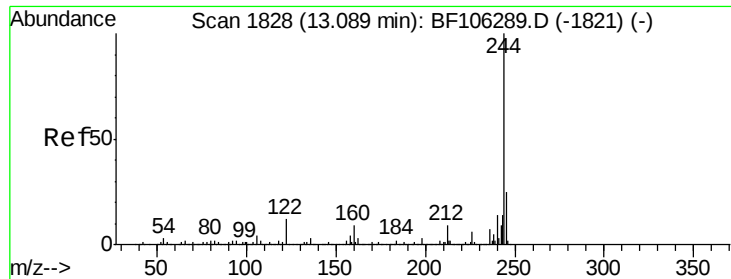
Delta R.T. -0.01 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Tgt Ion:	202	Resp:	759731
Ion Ratio	Lower	Upper	
202	100		
200	22.4	17.4	26.2
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 1.753 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Instrument :

BNA_F

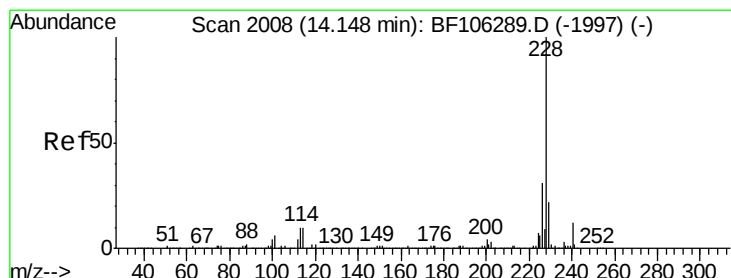
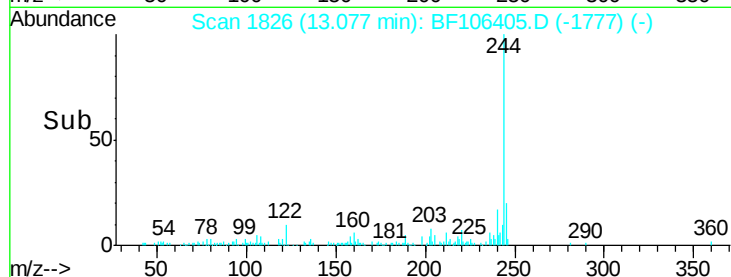
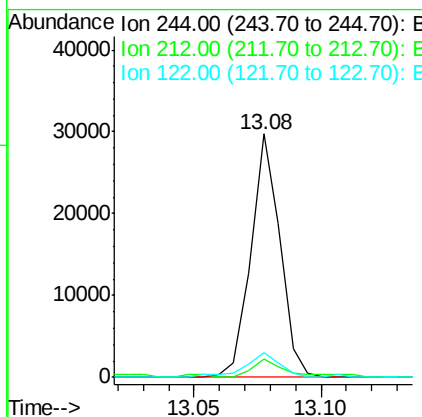
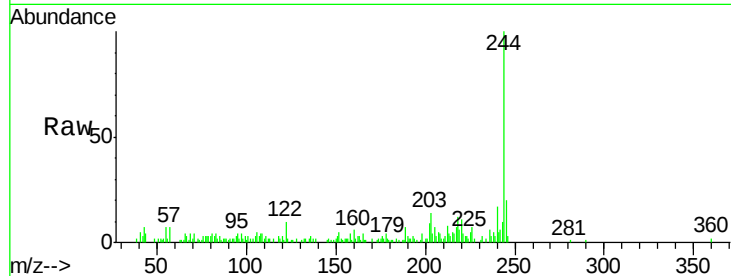
ClientSampleId :

SB02-3_E_5DL

Tot Ion:	244	Resp:	23759
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.4	8.0
122	10.1	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 24.362 ng m

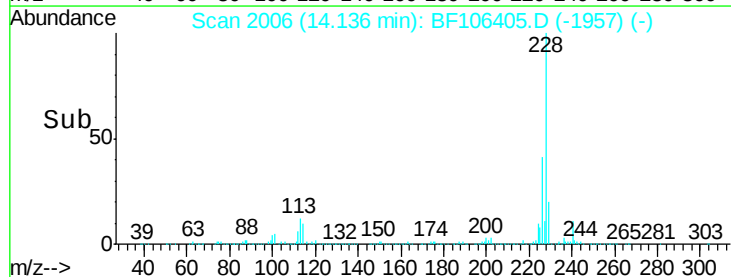
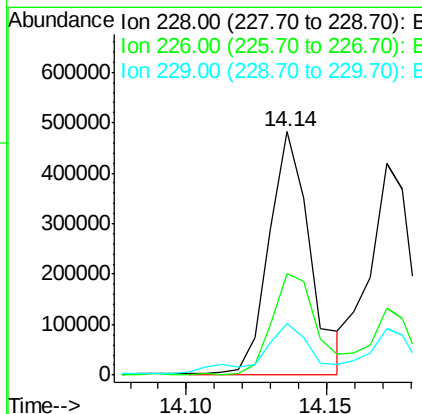
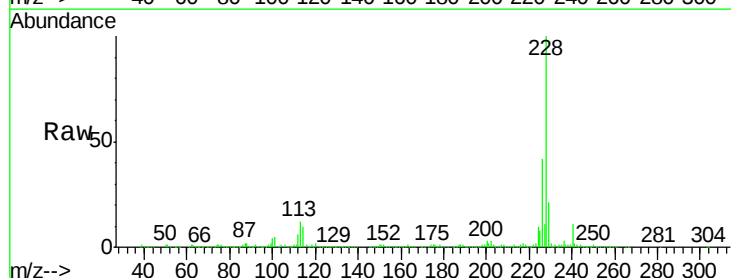
RT: 14.14 min Scan# 2006

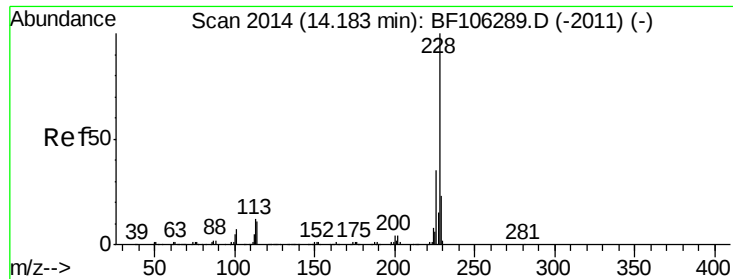
Delta R.T. -0.01 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Tgt Ion:	228	Resp:	487942
Ion Ratio	Lower	Upper	
228	100		
226	41.7	22.6	33.8#
229	21.2	15.8	23.6





#82

Chrysene

Concen: 22.936 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Instrument :

BNA_F

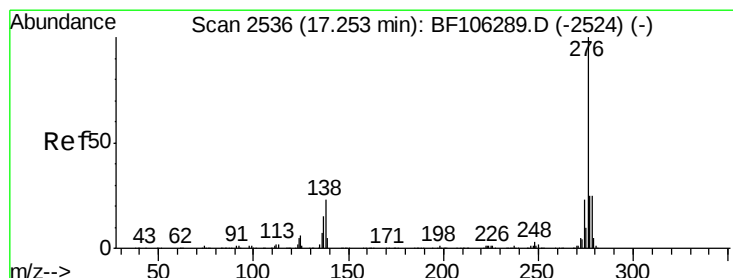
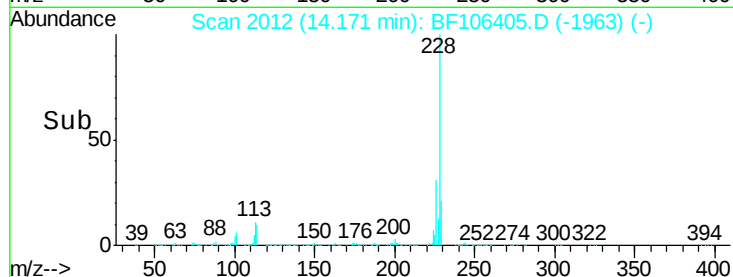
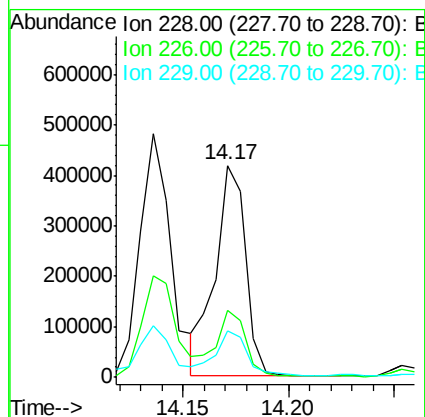
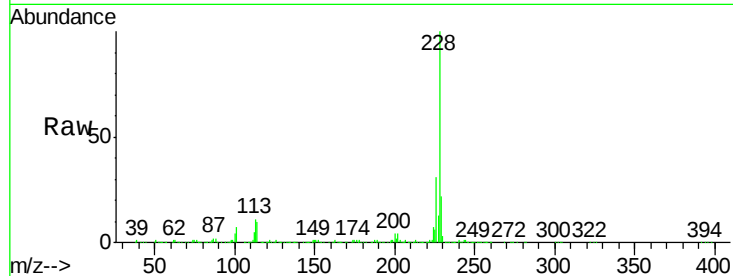
ClientSampleId :

SB02-3_E_5DL

Tot Ion:	228	Resp:	419415
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	22.0	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 18.117 ng

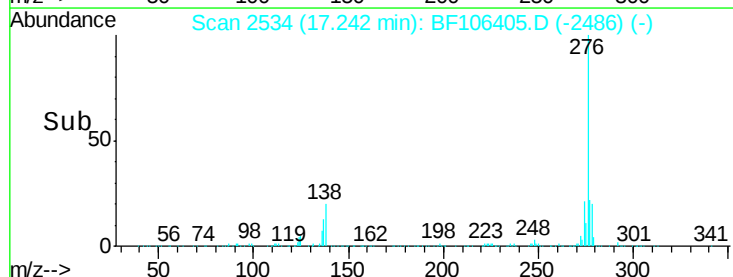
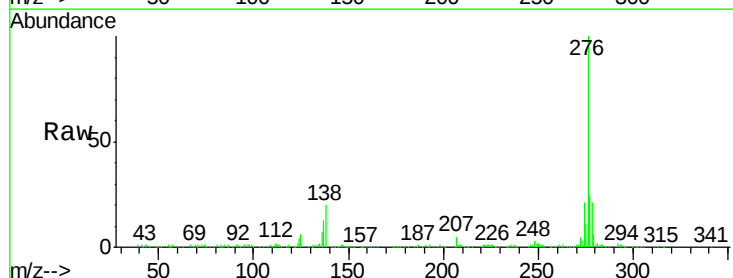
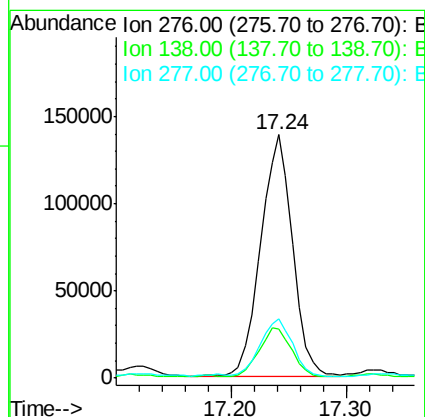
RT: 17.24 min Scan# 2534

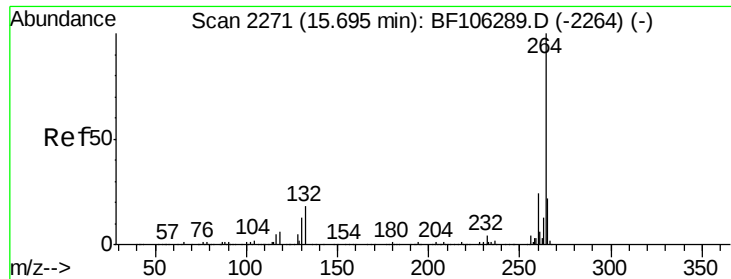
Delta R.T. -0.02 min

Lab File: BF106405.D

Acq: 13 Jun 2018 21:37

Tgt Ion:	276	Resp:	264402
Ion Ratio	Lower	Upper	
276	100		
138	20.5	25.0	37.6#
277	24.3	20.1	30.1





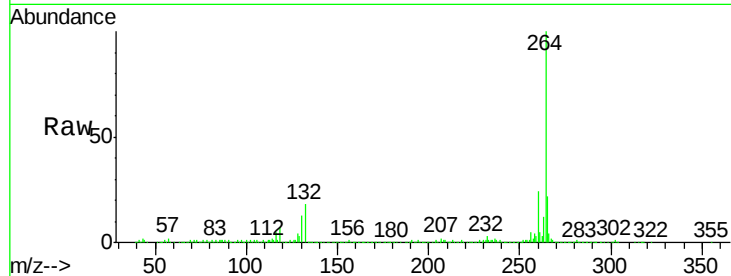
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Instrument :
BNA_F
ClientSampleId :
SB02-3_E_5DL

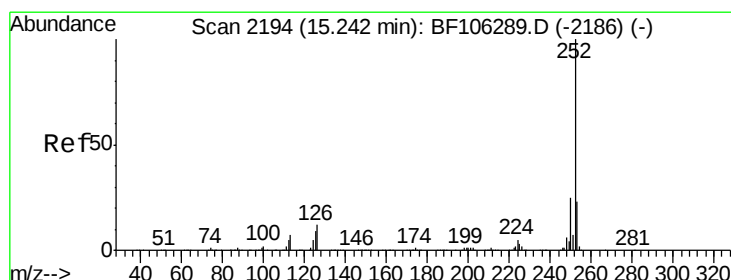
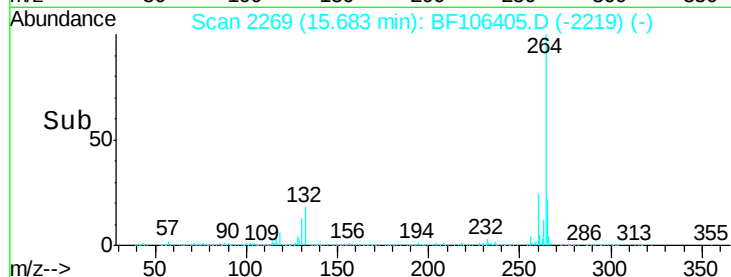
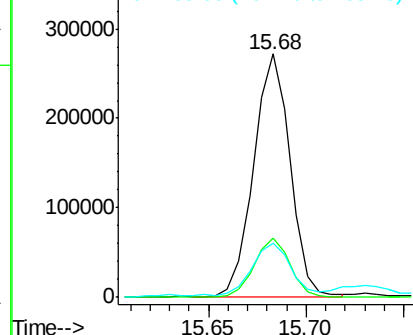
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.2	17.5	26.3

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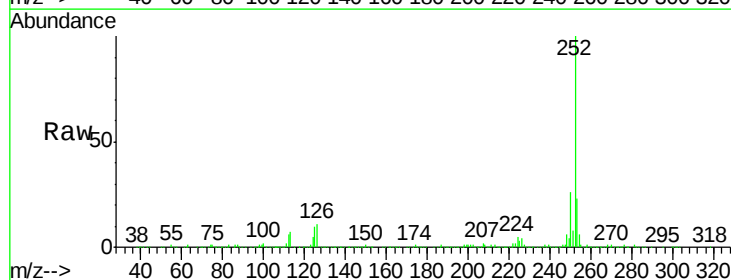


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

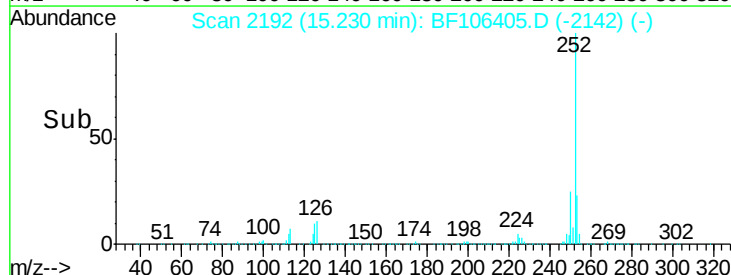
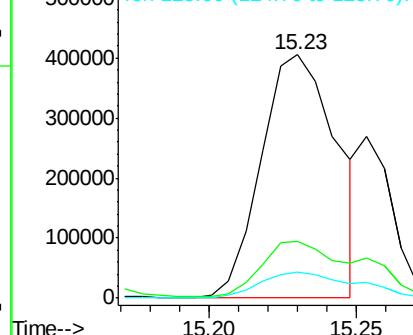


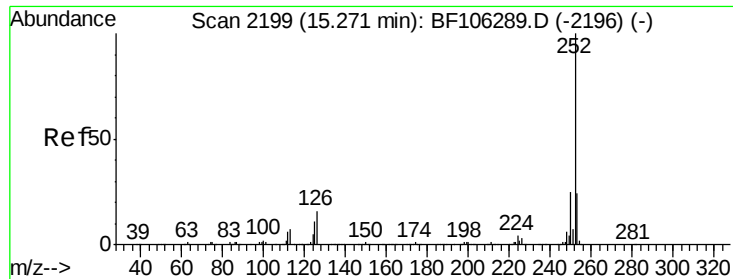
#87
Benzo(b)fluoranthene
Concen: 33.974 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	10.5	9.0	13.6



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





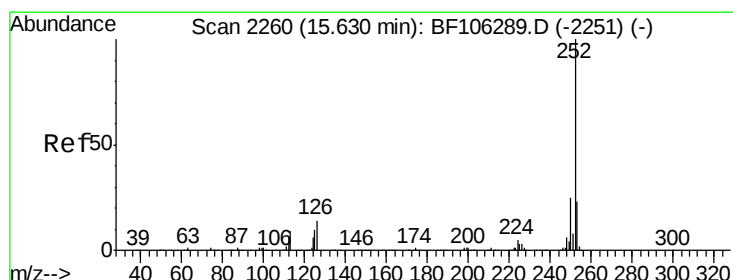
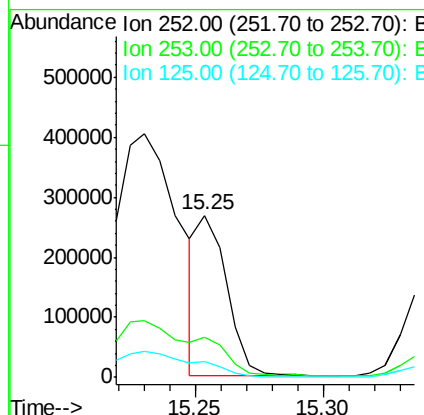
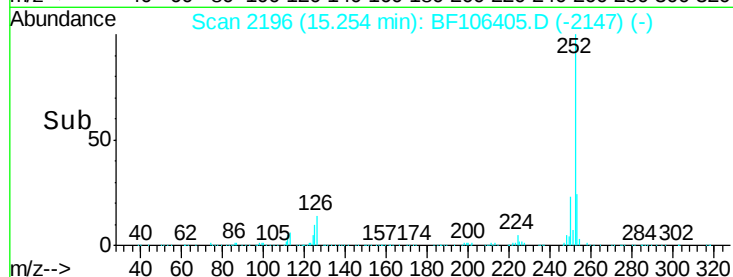
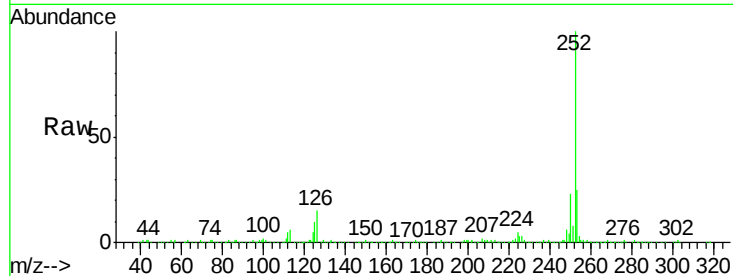
#88
Benzo(k)fluoranthene
Concen: 10.048 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Instrument :
BNA_F
ClientSampleId :
SB02-3_E_5DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	9.9	10.2	15.2#

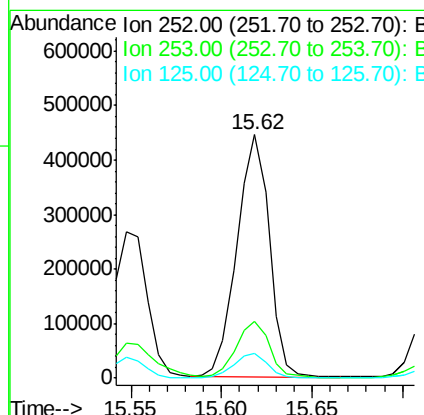
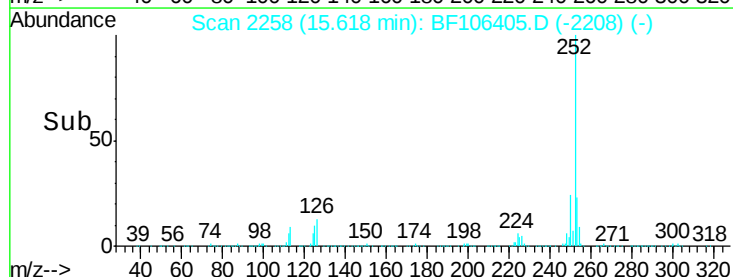
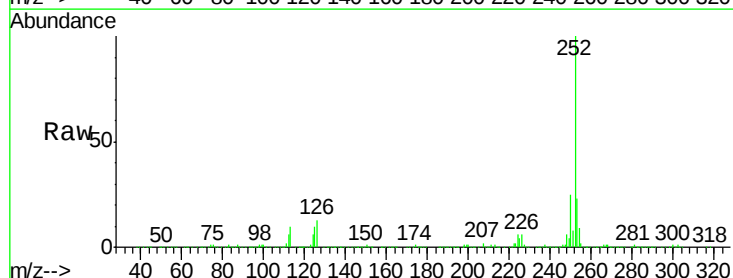
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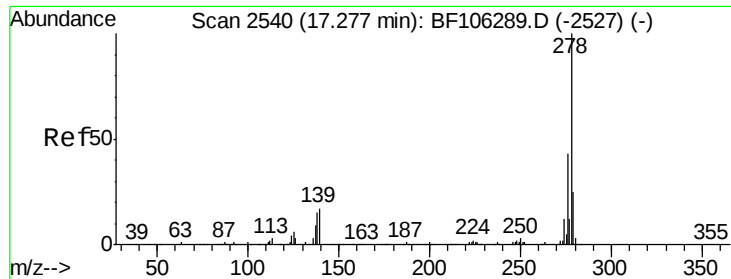
Sohil
6/14/2018 2:47:55 PM



#89
Benzo(a)pyrene
Concen: 29.107 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	10.3	9.8	14.6





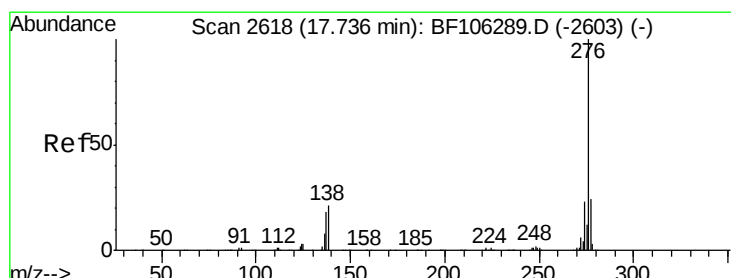
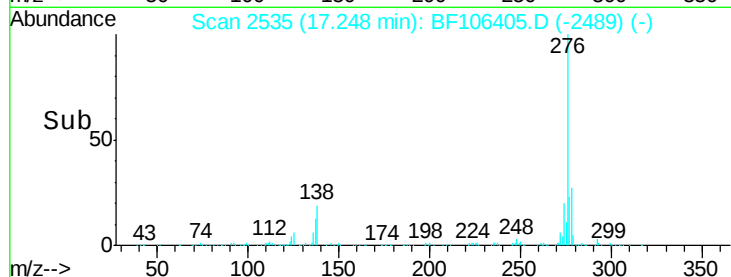
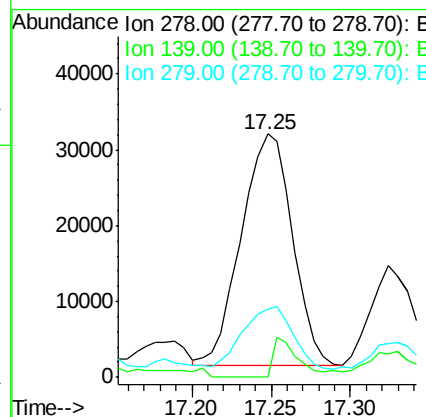
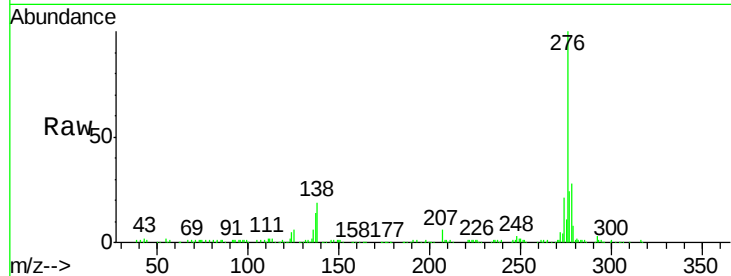
#90
Dibenzo(a,h)anthracene
Concen: 4.339 ng
RT: 17.25 min Scan# 2535
Delta R.T. -0.03 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Instrument :
BNA_F
ClientSampleId :
SB02-3_E_5DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.0	19.0	28.4

Manual Integrations
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6/14/2018 2:47:55 PM



#91
Benzo(g,h,i)perylene
Concen: 16.144 ng
RT: 17.72 min Scan# 2615
Delta R.T. -0.02 min
Lab File: BF106405.D
Acq: 13 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	22.0	21.8	32.8

