

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF096989.D
 Acq On : 24 Jul 2017 14:17
 Operator : SJ/JU
 Sample : I4370-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-BASE-2

Manual Integrations
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 7/25/2017 5:36:15 PM

Quant Time: Jul 24 14:59:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 24 14:10:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	117267	20.00	ng	0.02
21) Naphthalene-d8	7.82	136	487429	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	208637	20.00	ng	0.00
63) Phenanthrene-d10	11.04	188	308988	20.00	ng	0.00
75) Chrysene-d12	13.67	240	180208	20.00	ng	-0.01
86) Perylene-d12	15.03	264	181807	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	1115041	142.97	ng	0.05
7) Phenol-d6	6.29	99	805222	86.04	ng	0.07
23) Nitrobenzene-d5	7.12	82	671072	85.28	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	189095	106.18	ng	0.00
44) 2-Fluorobiphenyl	8.90	172	840175	63.62	ng	0.00
78) Terphenyl-d14	12.63	244	468140	45.05	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.30	94	327428m	30.947	ng	
11) bis(2-Chloroethyl)ether	6.36	93	8341243	1048.389	ng	92
12) 1,3-Dichlorobenzene	6.50	146	37404	4.182	ng	98
13) 1,4-Dichlorobenzene	6.57	146	119271	13.169	ng	97
14) 1,2-Dichlorobenzene	6.72	146	176766	21.457	ng	98
16) 2,2'-oxybis(1-Chloropropan	6.83	45	630924	38.425	ng	92
31) Naphthalene	7.85	128	280188	12.134	ng	98
37) 2-Methylnaphthalene	8.53	142	249249	16.932	ng	99
49) Dimethylphthalate	9.30	163	236726	15.069	ng	100
51) Acenaphthene	9.60	154	26087	2.103	ng	94
70) Phenanthrene	11.07	178	217783	12.963	ng	99
71) Anthracene	11.12	178	48258	2.841	ng	96
74) Fluoranthene	12.25	202	218600	13.593	ng	99
77) Pyrene	12.47	202	238861	14.605	ng	99
80) Benzo(a)anthracene	13.66	228	78680	7.007	ng	96
82) Chrysene	13.69	228	74337	6.725	ng	96
85) Indeno(1,2,3-cd)pyrene	16.28	276	41843	7.249	ng	98
87) Benzo(b)fluoranthene	14.66	252	91785m	8.371	ng	
88) Benzo(k)fluoranthene	14.69	252	21951m	2.114	ng	
89) Benzo(a)pyrene	14.97	252	74258	7.384	ng	97
91) Benzo(a,h,i)perylene	16.66	276	50819	5.128	ng	98

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

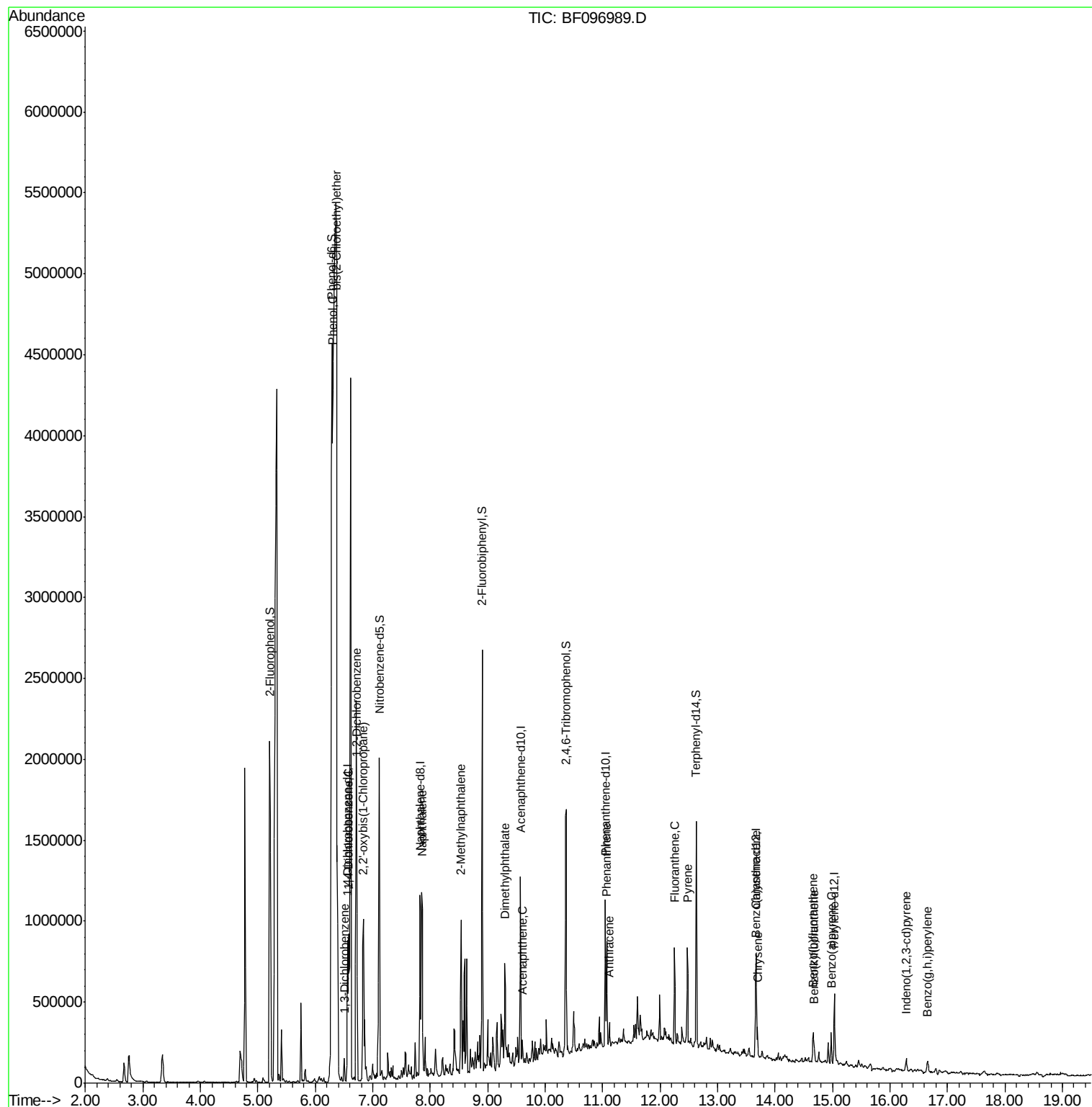
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
Data File : BF096989.D
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Operator : SJ/JU
Sample : I4370-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

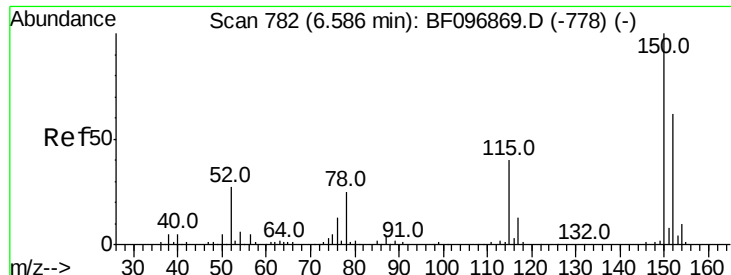
Instrument :
BNA_F
ClientSampleId :
E2-05-BASE-2

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Quant Time: Jul 24 14:59:00 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 14:10:38 2017
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#1

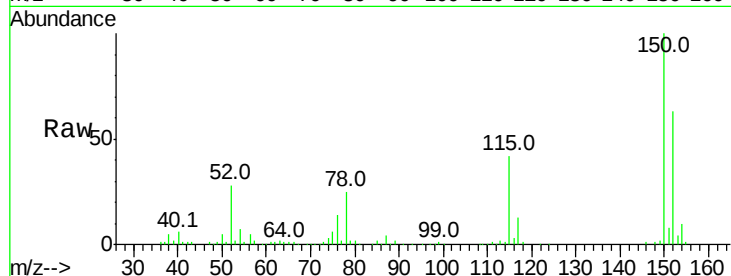
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.56 min Scan# 777
Delta R.T. 0.02 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :
E2-05-BASE-2

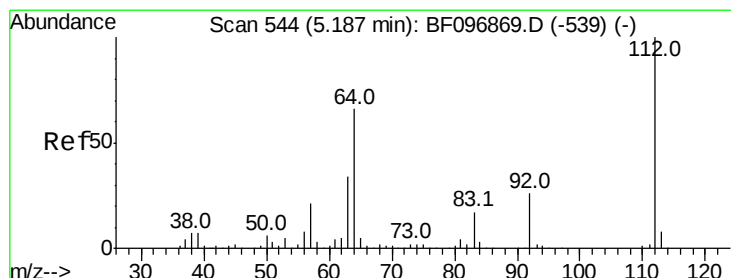
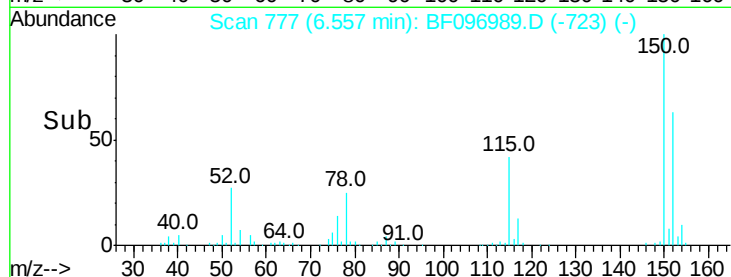
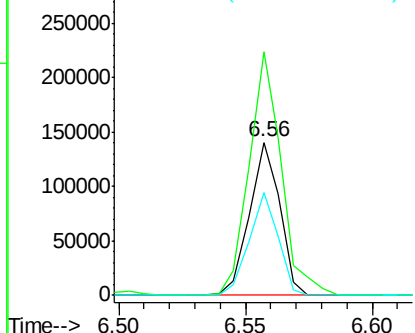
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	66.9	52.2	78.2

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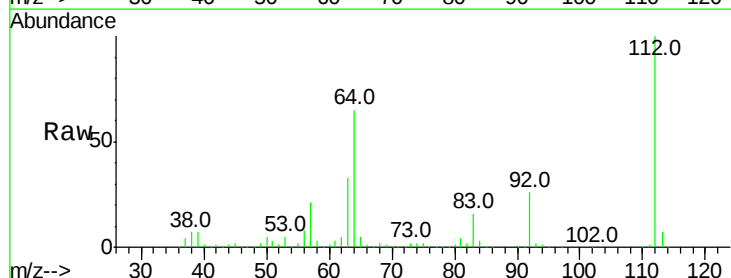
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



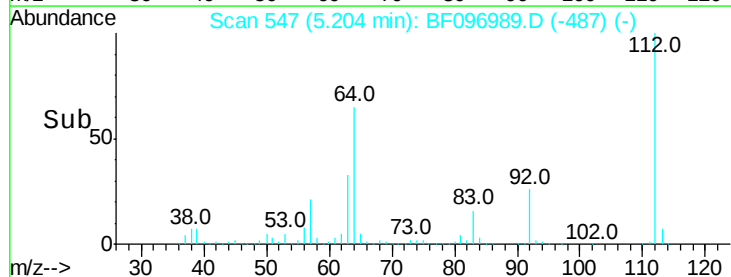
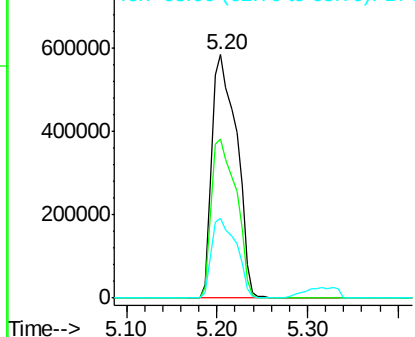
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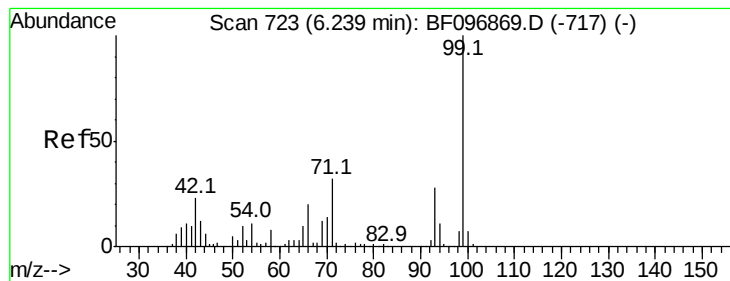
2-Fluorophenol
Concen: 142.969 ng
RT: 5.20 min Scan# 547
Delta R.T. 0.05 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	46.0	69.0
63	32.7	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 86.035 ng

RT: 6.29 min Scan# 731

Delta R.T. 0.07 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

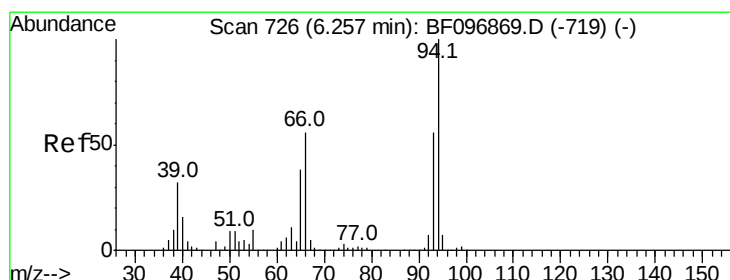
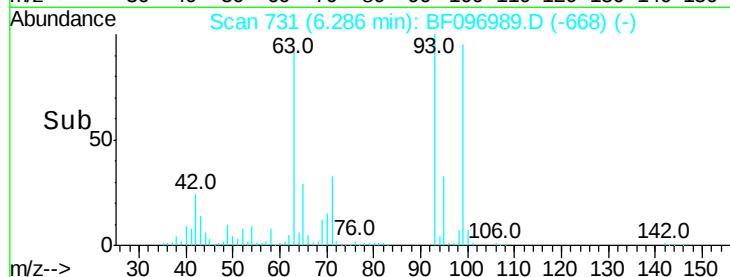
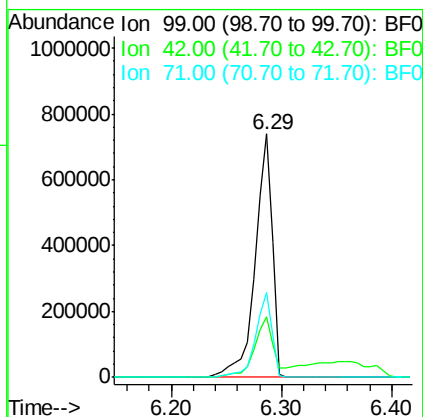
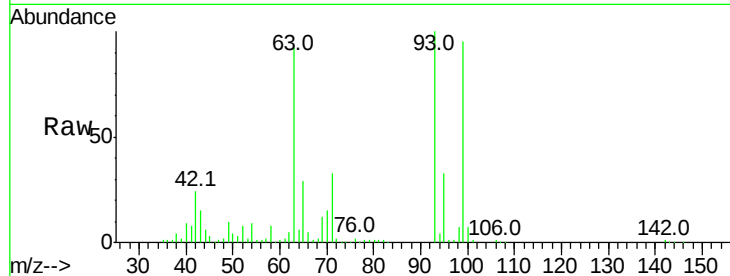
ClientSampleId :

E2-05-BASE-2

Tot Ion	Ratio	Resp	Lower	Upper
99	100	805222		
42	24.9		13.5	20.3#
71	34.9		24.5	36.7

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#10

Phenol

Concen: 30.947 ng m

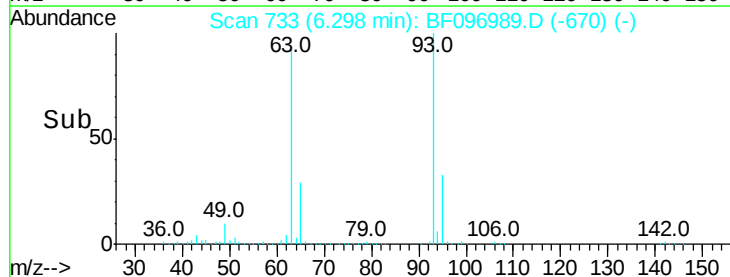
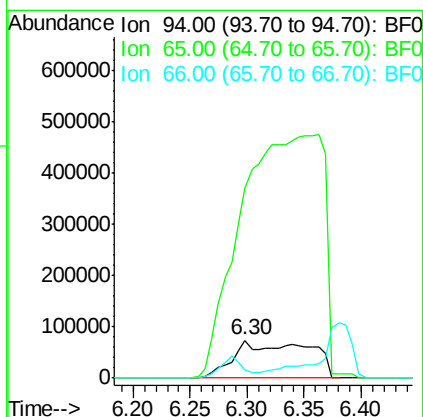
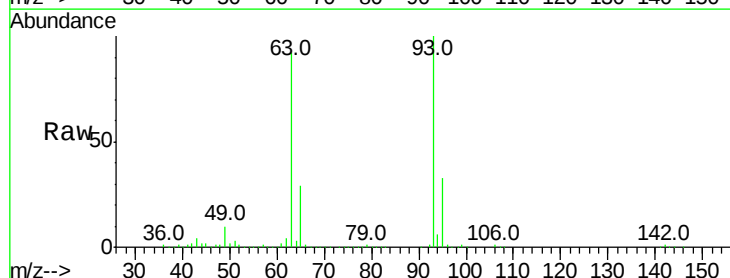
RT: 6.30 min Scan# 733

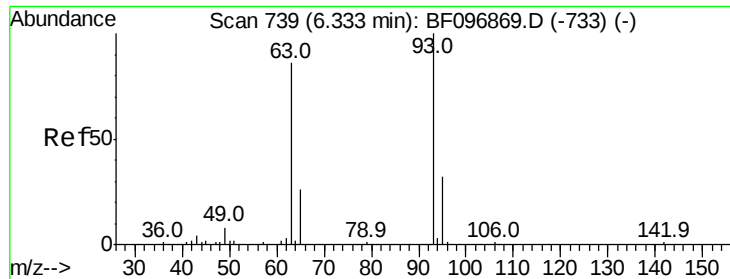
Delta R.T. 0.07 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	327428		
65	498.4		9.9	49.9#
66	22.9		23.1	63.1#





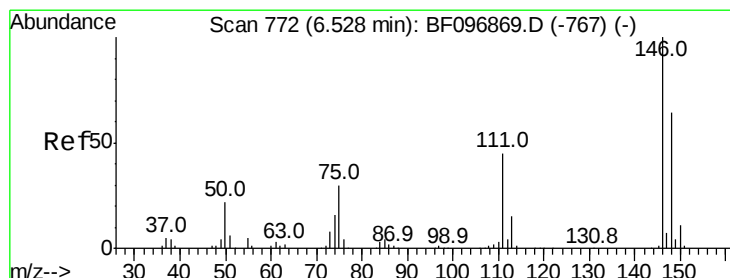
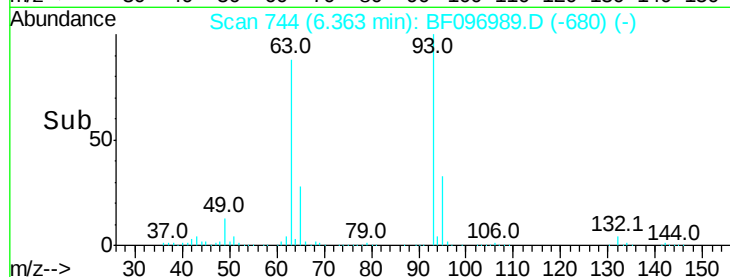
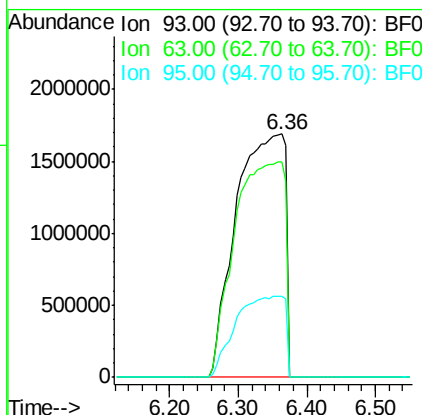
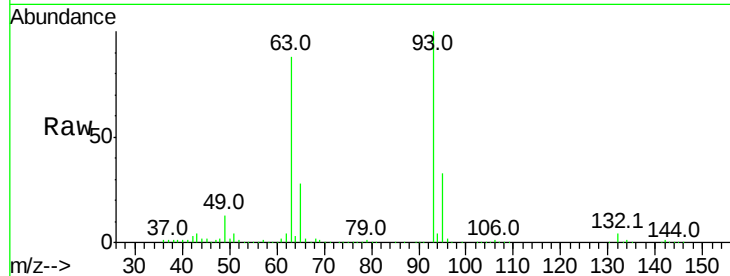
#11
bis(2-Chloroethyl)ether
Concen: 1048.389 ng
RT: 6.36 min Scan# 744
Delta R.T. 0.08 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :
E2-05-BASE-2

Tot Ion: 93 Resp: 8341243
Ion Ratio Lower Upper
93 100
63 88.4 59.2 99.2
95 33.5 12.8 52.8

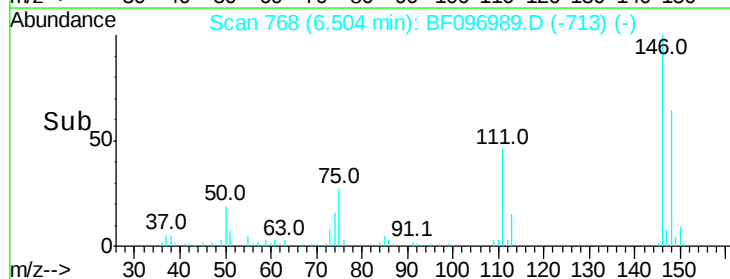
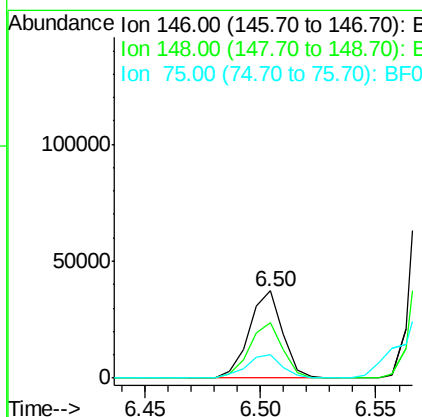
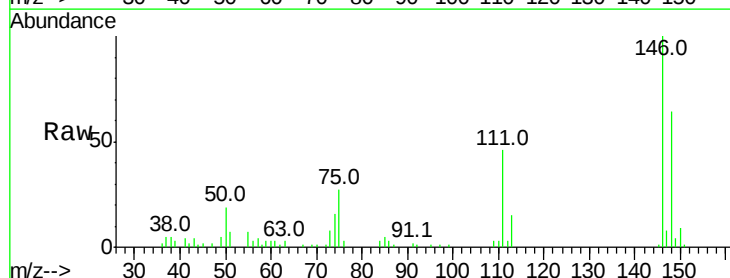
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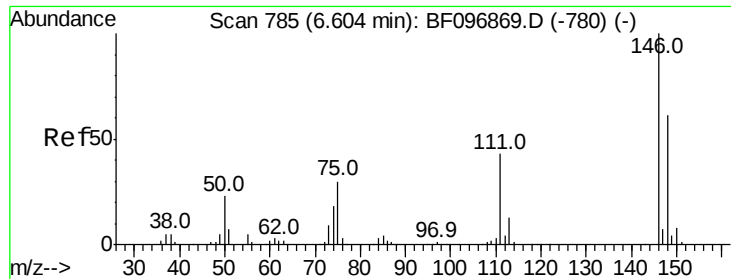
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#12
1,3-Dichlorobenzene
Concen: 4.182 ng
RT: 6.50 min Scan# 768
Delta R.T. 0.02 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion: 146 Resp: 37404
Ion Ratio Lower Upper
146 100
148 64.3 51.8 77.6
75 26.9 23.1 34.7





#13

1,4-Dichlorobenzene

Concen: 13.169 ng

RT: 6.57 min Scan# 780

Delta R.T. 0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

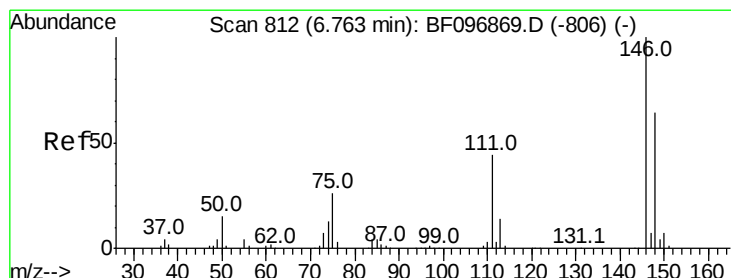
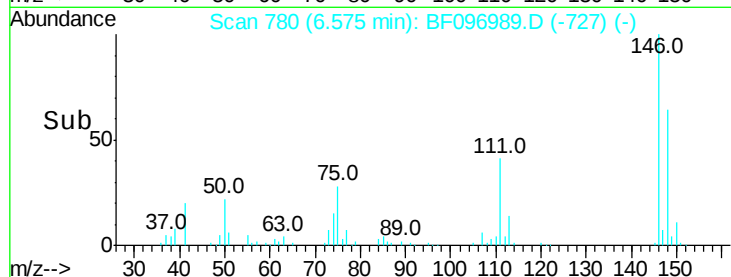
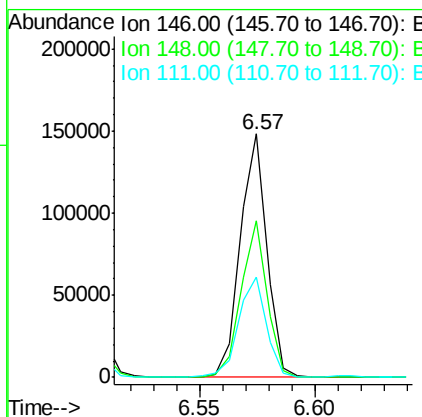
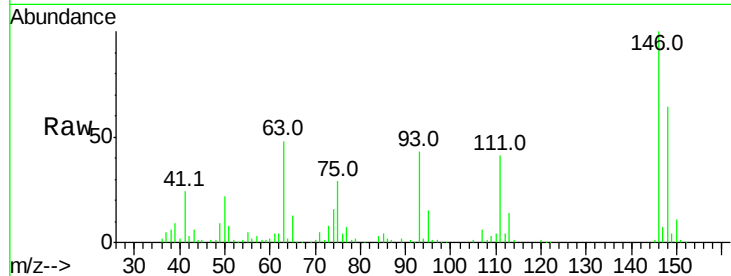
ClientSampleId :

E2-05-BASE-2

Tot Ion:	146	Resp:	119271
Ion Ratio	Lower	Upper	
146	100		
148	64.4	52.2	78.2
111	41.1	30.3	45.5

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#14

1,2-Dichlorobenzene

Concen: 21.457 ng

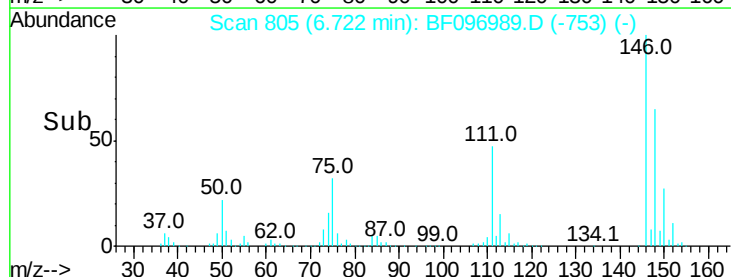
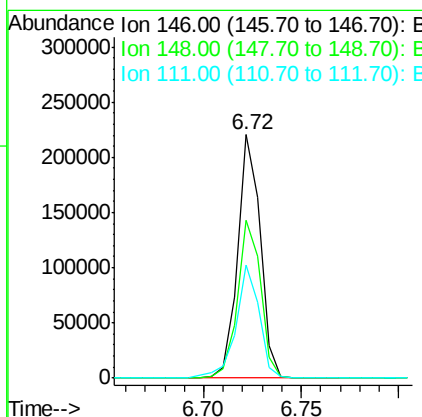
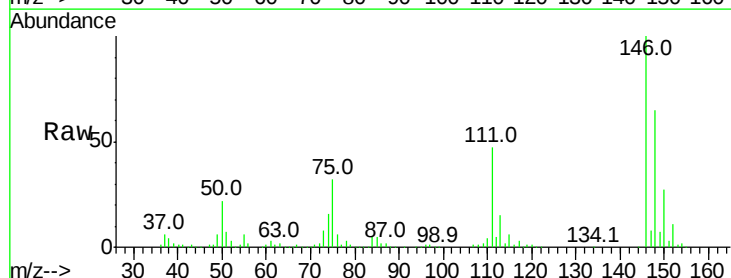
RT: 6.72 min Scan# 805

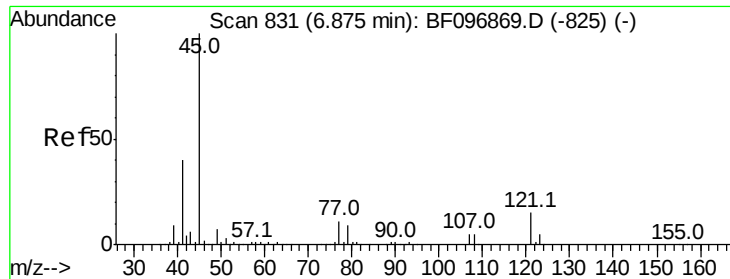
Delta R.T. 0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Tgt Ion:	146	Resp:	176766
Ion Ratio	Lower	Upper	
146	100		
148	64.7	50.4	75.6
111	46.7	38.2	57.4





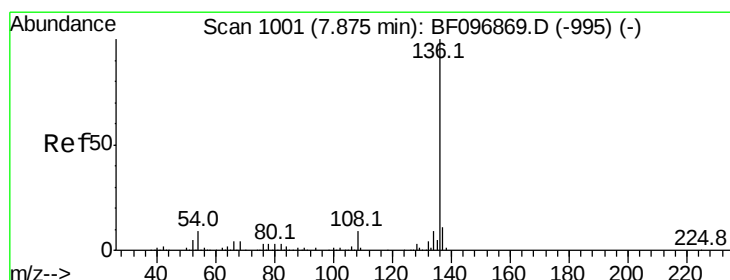
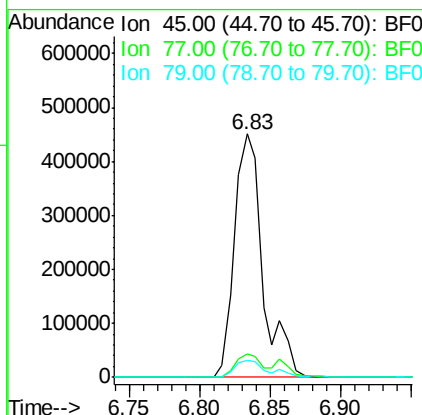
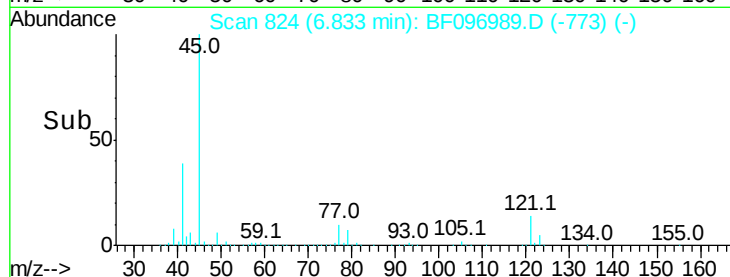
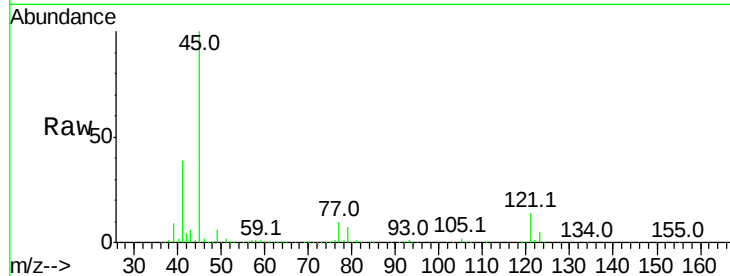
#16
2,2'-oxvbis(1-Chloropropane)
Concen: 38.425 ng
RT: 6.83 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :
E2-05-BASE-2

Tot Ion	Ratio	Lower	Upper
45	100		
77	9.7	0.0	33.2
79	7.1	0.0	30.0

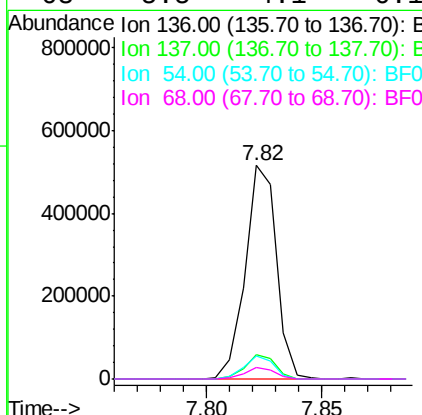
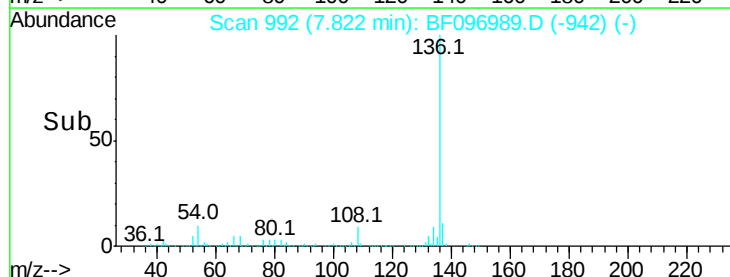
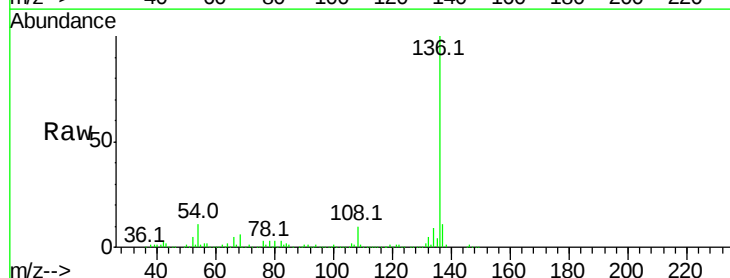
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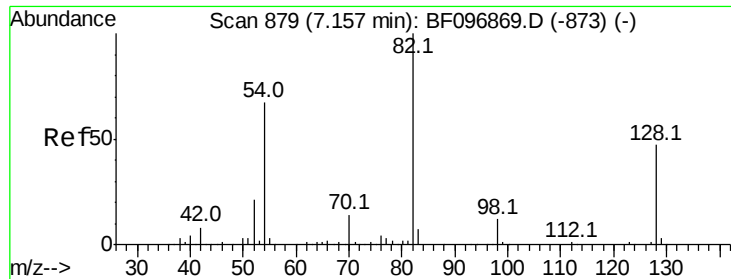
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.82 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	10.6	4.9	7.3#
68	5.5	4.1	6.1





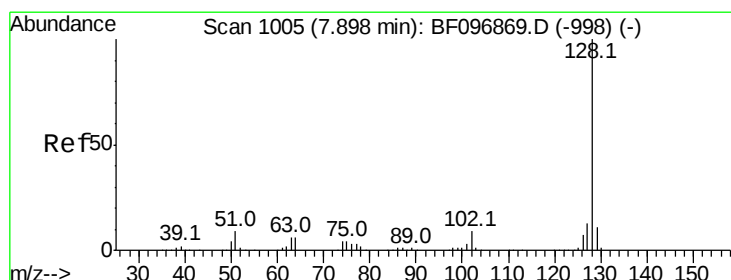
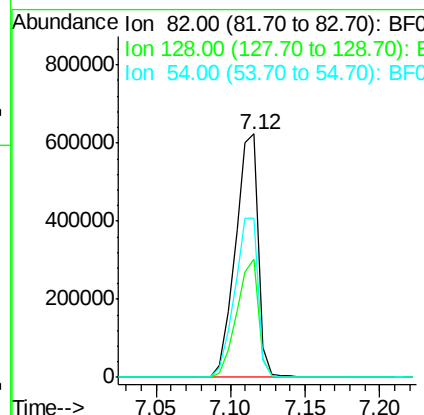
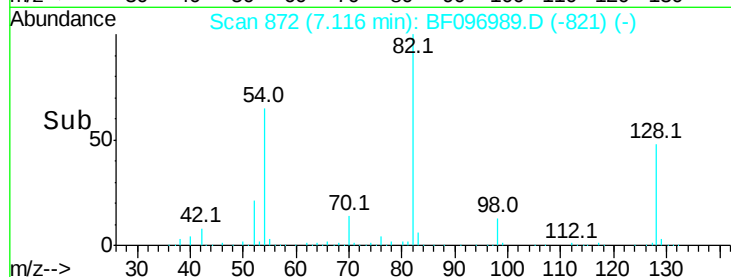
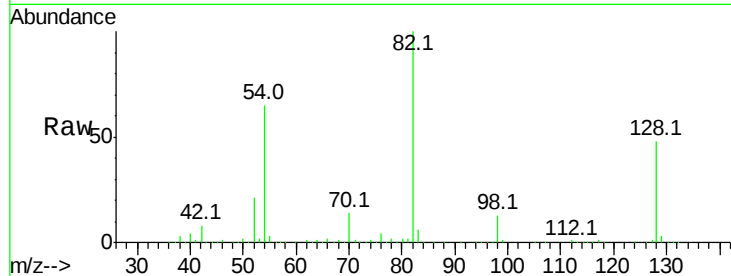
#23
Nitrobenzene-d5
Concen: 85.278 ng
RT: 7.12 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :
E2-05-BASE-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	34.0	51.0
54	65.3	42.2	63.2

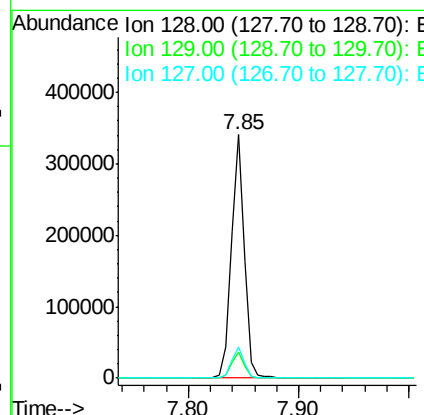
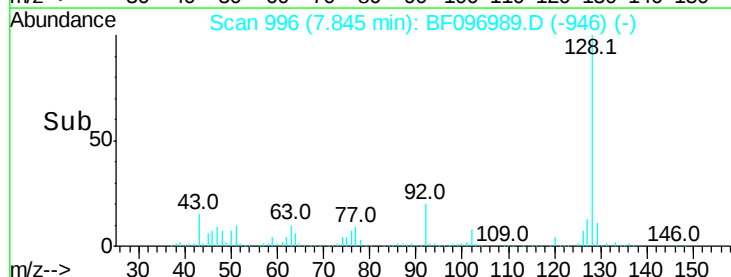
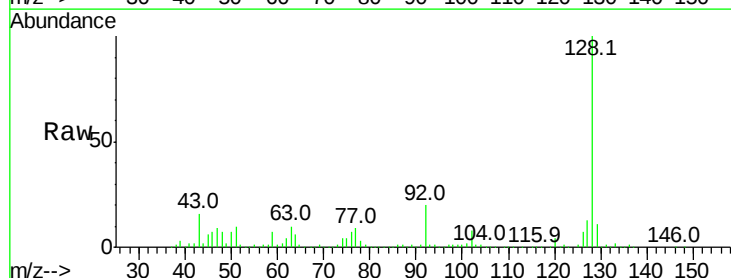
Manual Integrations
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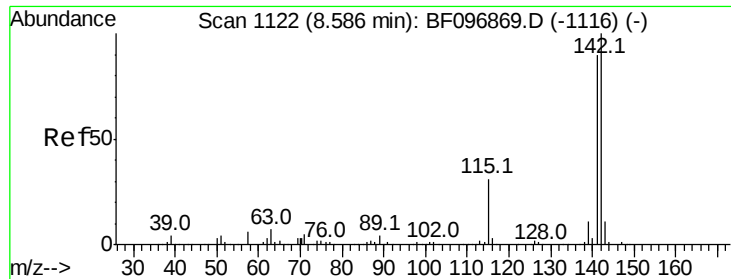
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#31
Naphthalene
Concen: 12.134 ng
RT: 7.85 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.8	10.8	16.2





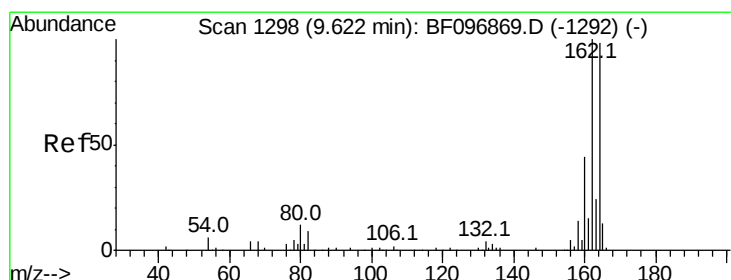
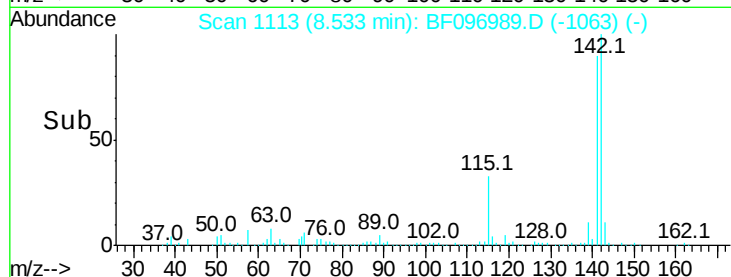
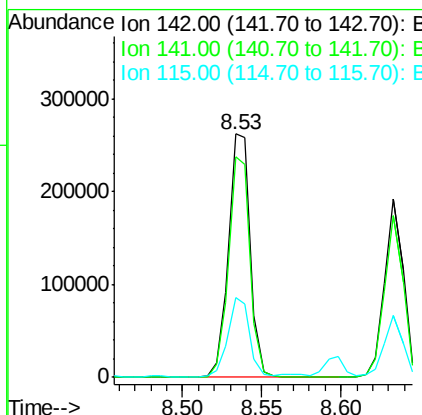
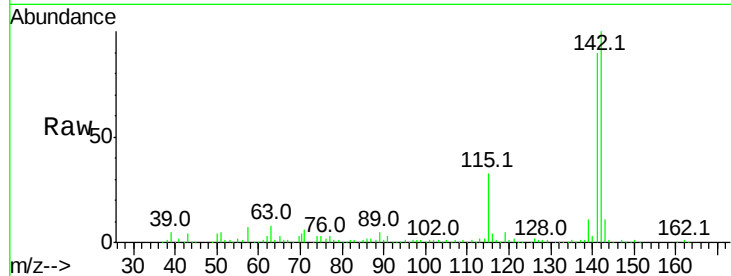
#37
2-Methylnaphthalene
Concen: 16.932 ng
RT: 8.53 min Scan# 1113
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :
E2-05-BASE-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.3	106.9
115	33.0	27.1	40.7

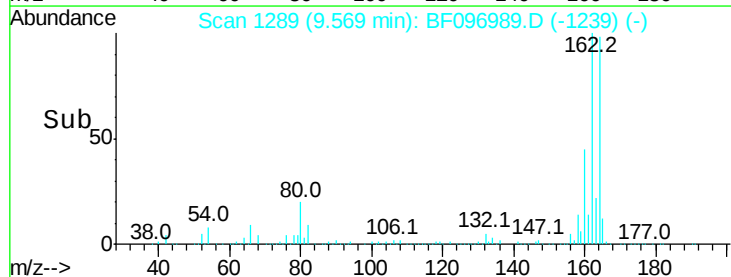
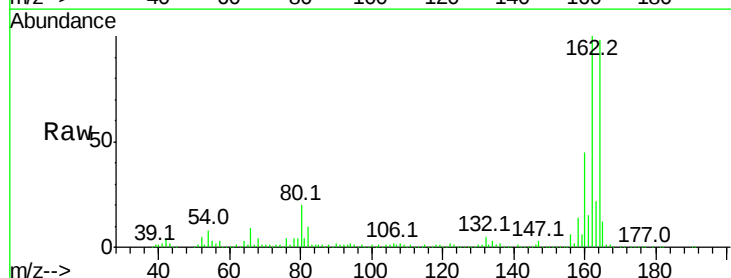
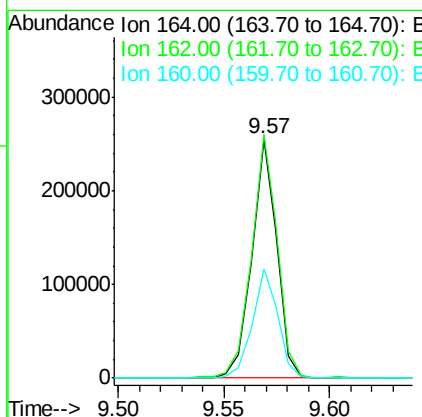
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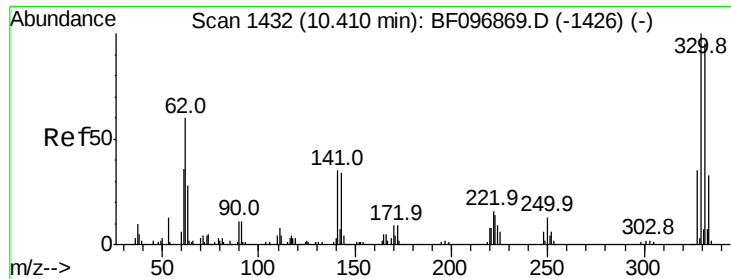
Sohil
7/25/2017 5:36:15 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.57 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	45.6	36.2	54.2





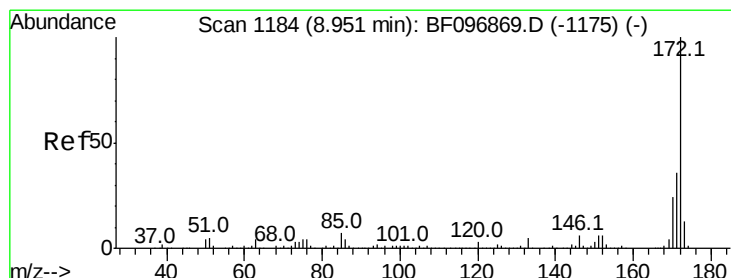
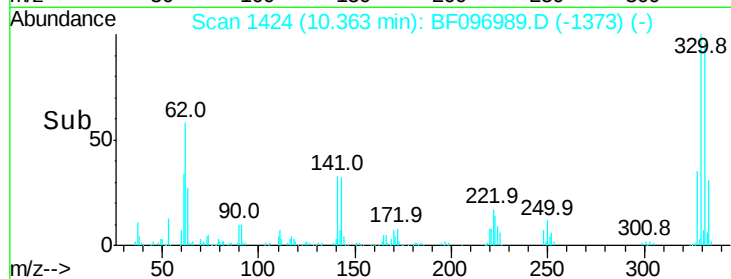
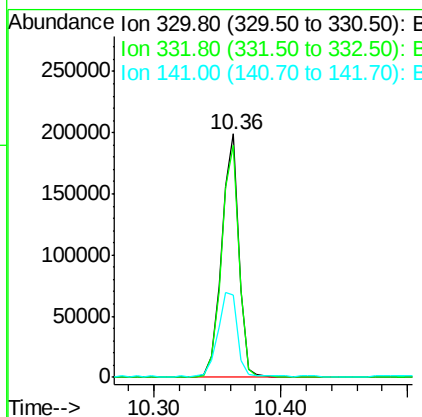
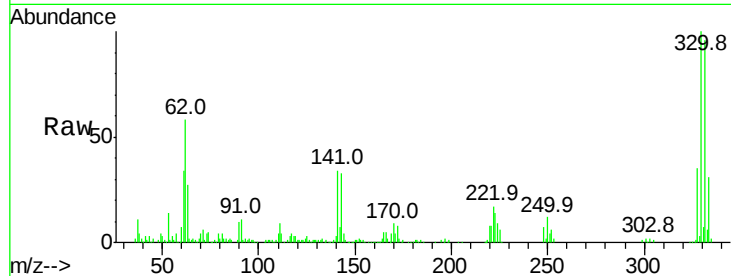
#41
 2,4,6-Tribromophenol
 Concen: 106.180 ng
 RT: 10.36 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-BASE-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	189095		
332	96.7	76.6	115.0	
141	40.1	31.4	47.2	

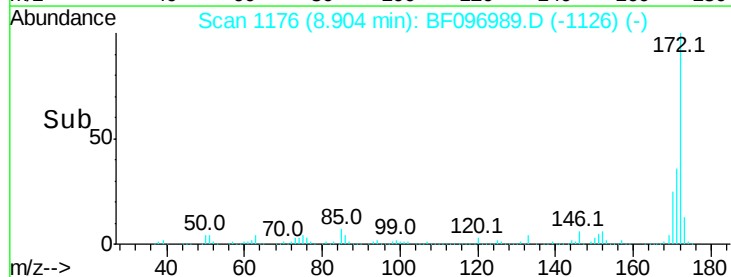
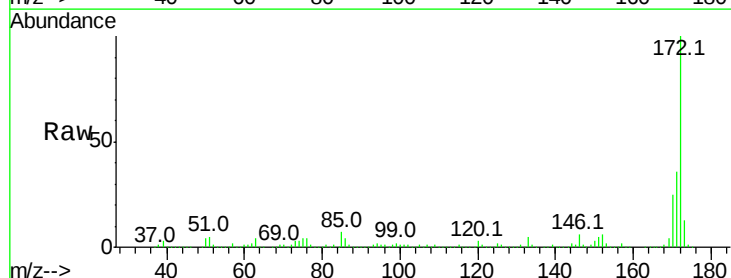
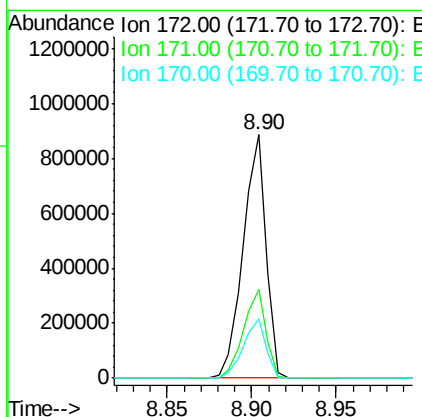
Manual Integrations
 APPROVED

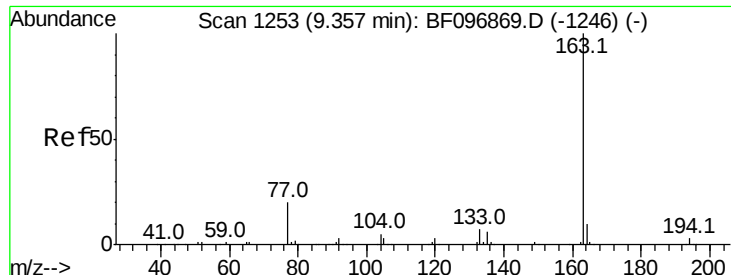
Sohil
 7/25/2017 5:36:15 PM



#44
 2-Fluorobiphenyl
 Concen: 63.623 ng
 RT: 8.90 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	840175		
171	36.2	29.6	44.4	
170	24.6	19.8	29.8	





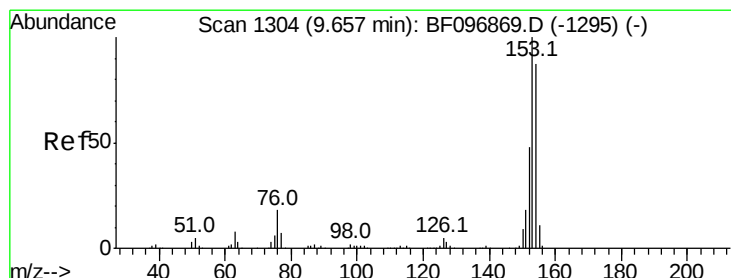
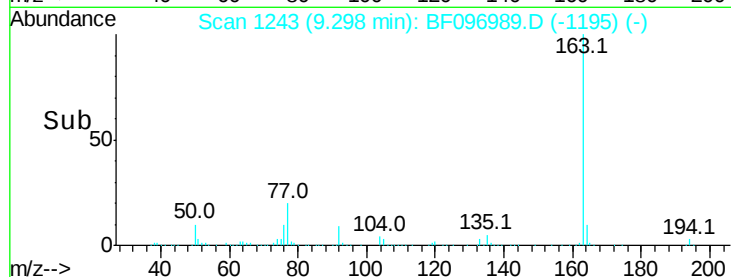
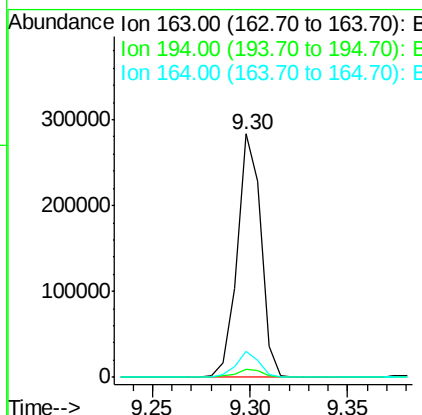
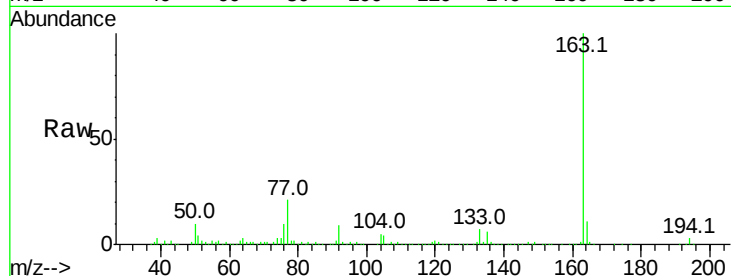
#49
Dimethylphthalate
Concen: 15.069 ng
RT: 9.30 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :
E2-05-BASE-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	236726		
194	3.3		2.6	4.0
164	10.6		8.4	12.6

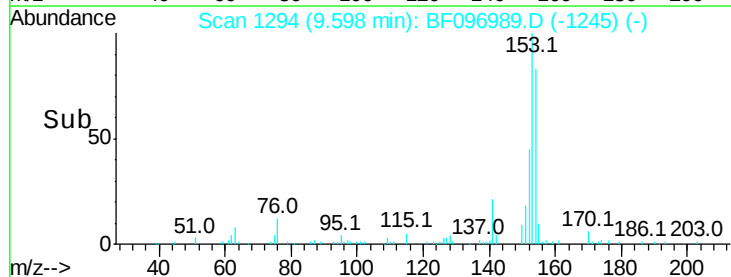
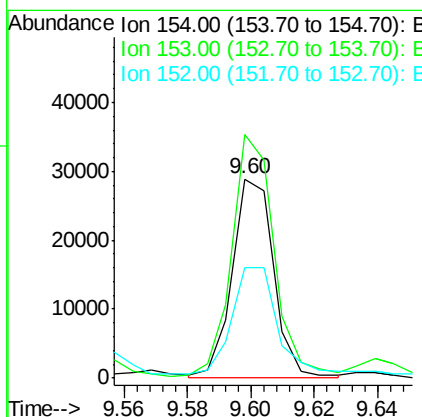
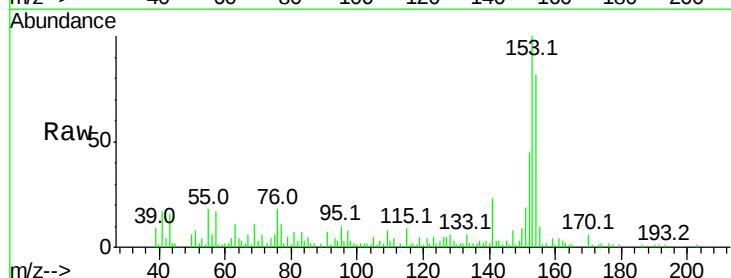
Manual Integrations
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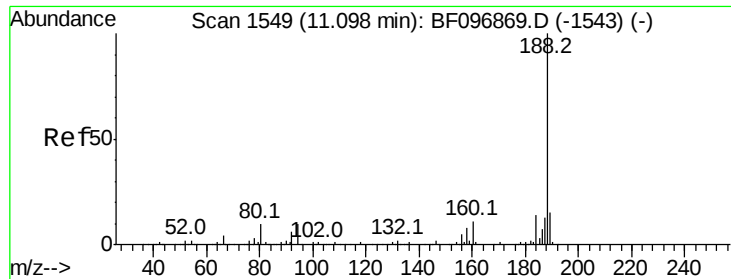
Sohil
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#51
Acenaphthene
Concen: 2.103 ng
RT: 9.60 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	26087		
153	122.4		90.5	135.7
152	55.4		43.6	65.4





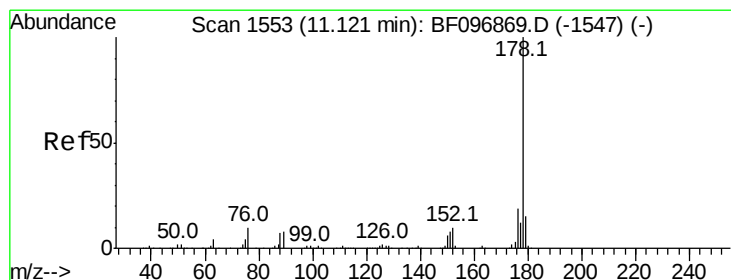
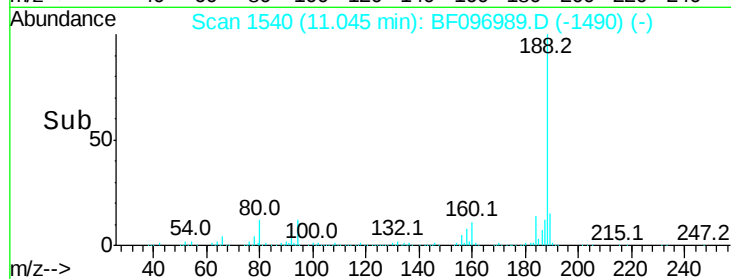
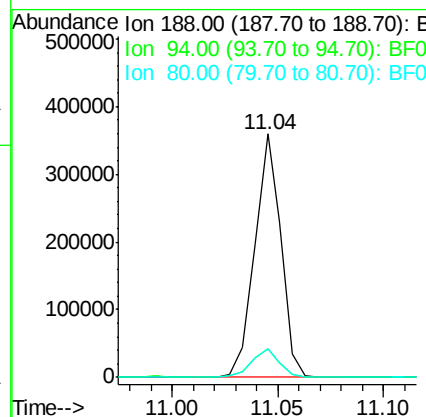
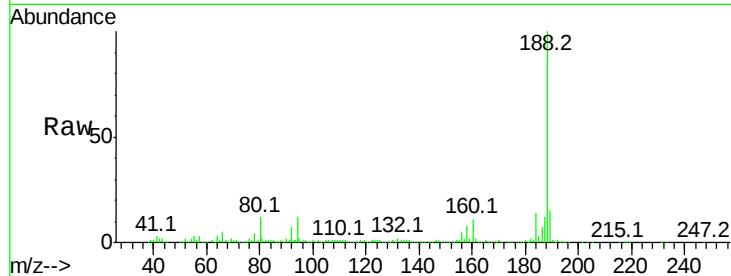
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.04 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :
E2-05-BASE-2

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	9.4	14.2
80	11.8	10.2	15.2

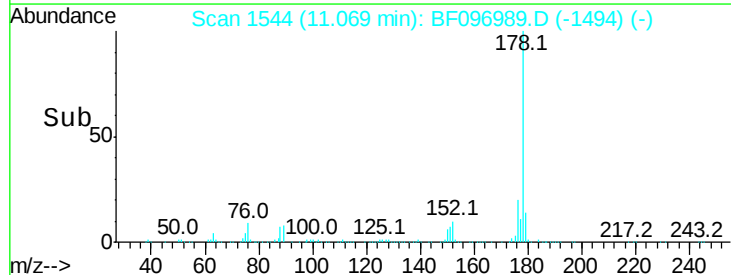
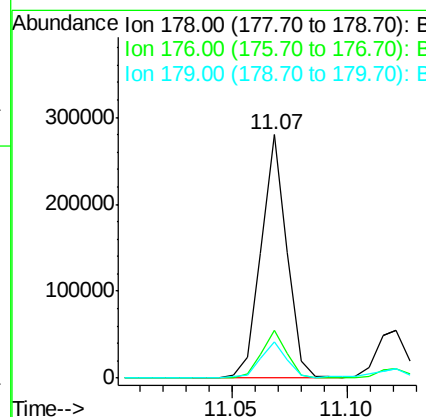
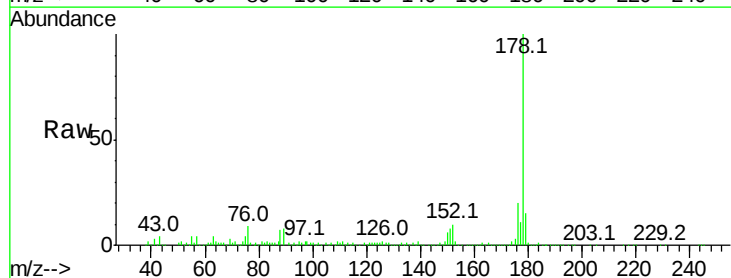
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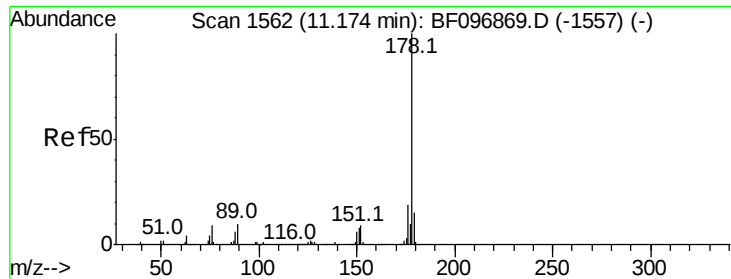
Sohil
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#70
Phenanthrene
Concen: 12.963 ng
RT: 11.07 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	16.2	24.4
179	14.9	12.6	19.0





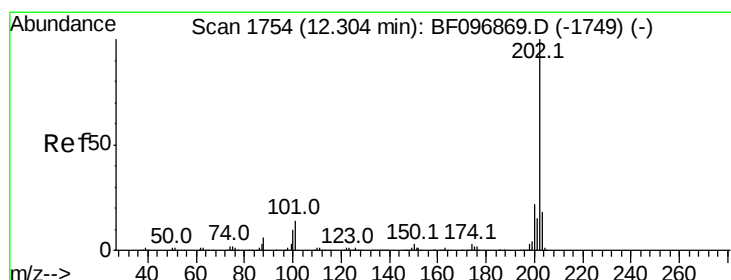
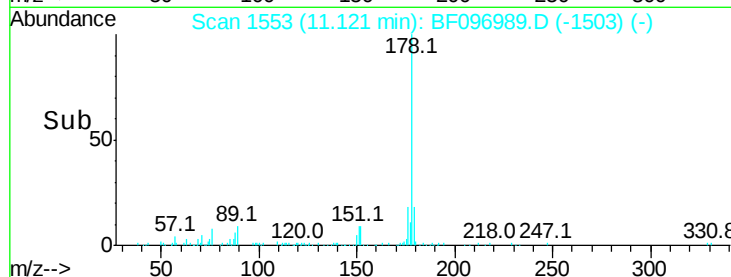
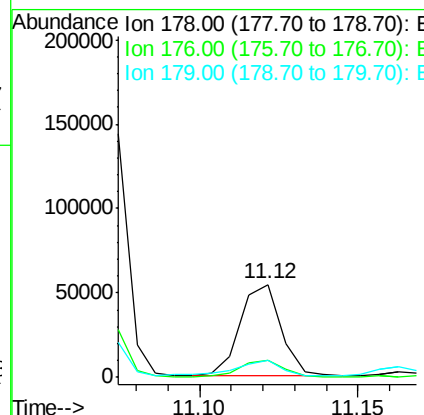
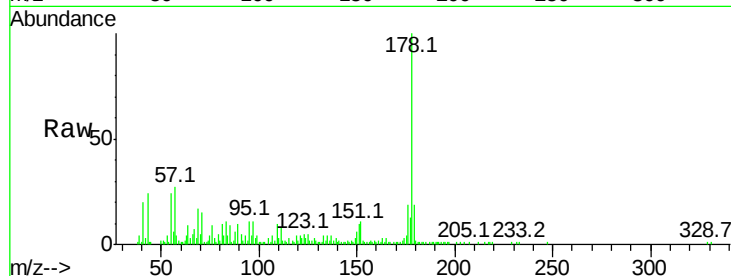
#71
 Anthracene
 Concen: 2.841 ng
 RT: 11.12 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-BASE-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	19.0	12.7	19.1

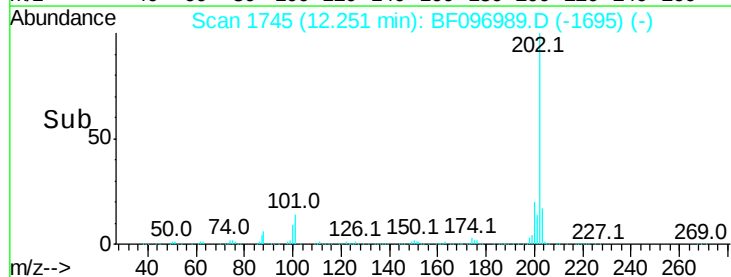
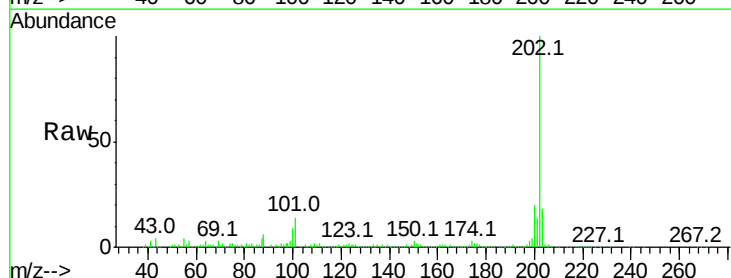
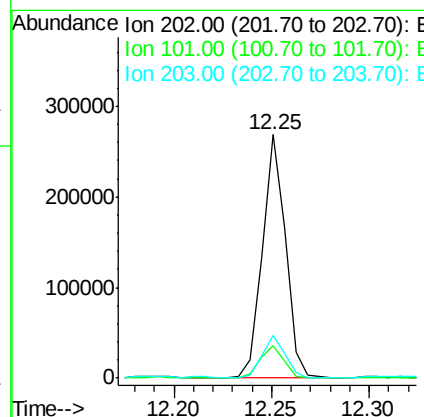
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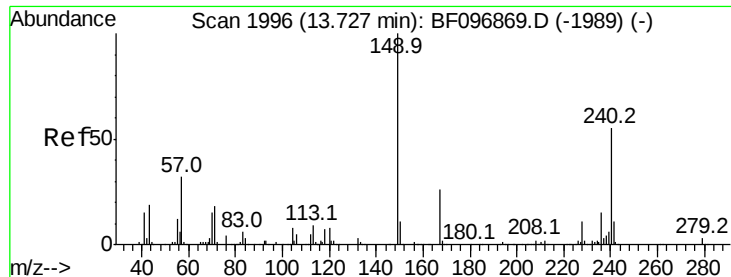
Sohil
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#74
 Fluoranthene
 Concen: 13.593 ng
 RT: 12.25 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.67 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

ClientSampleId :

E2-05-BASE-2

Tot Ion:240 Resp: 180208
Ion Ratio Lower Upper

240 100

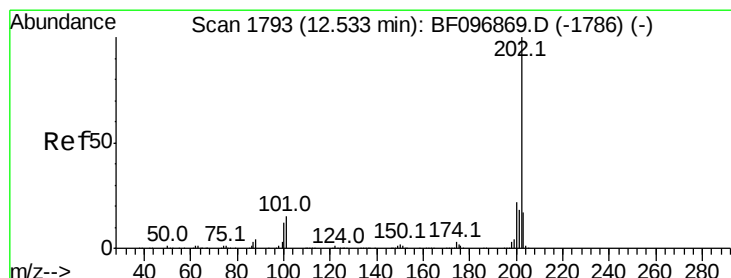
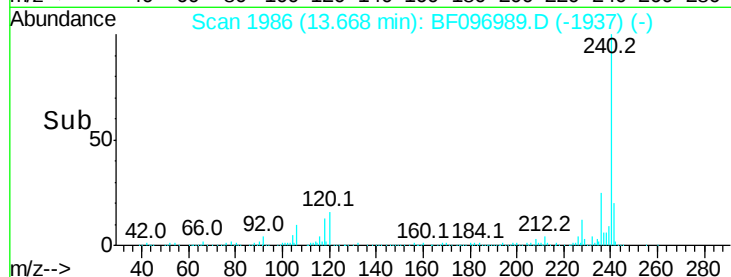
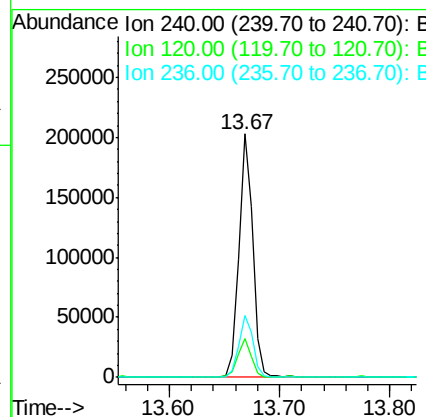
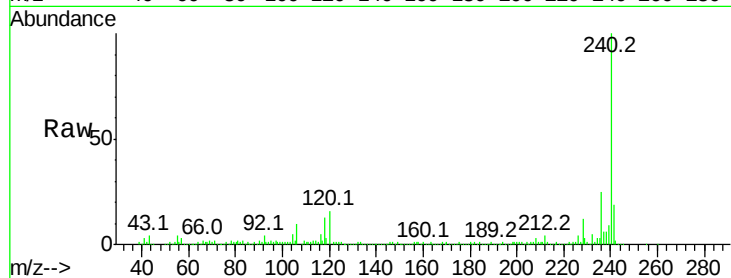
120 15.9 5.8 8.8#

236 25.3 20.5 30.7

Manual Integrations
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#77

Pyrene

Concen: 14.605 ng

RT: 12.47 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF096989.D

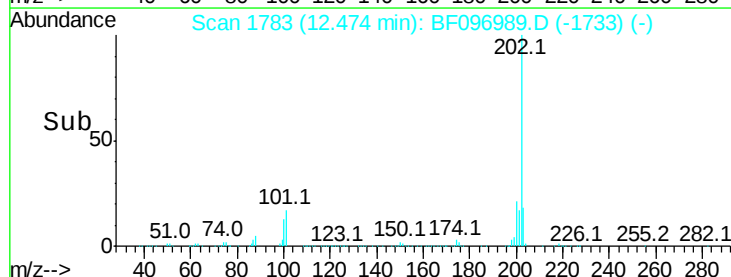
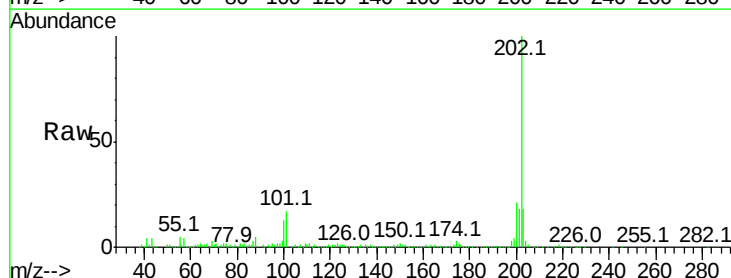
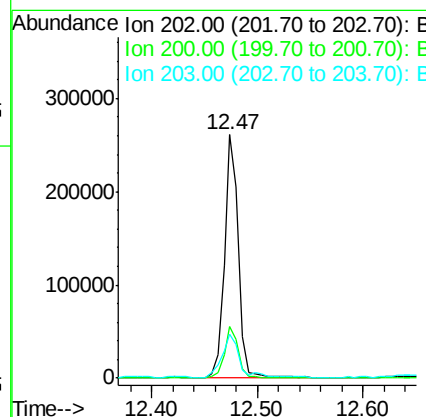
Acq: 24 Jul 2017 14:17

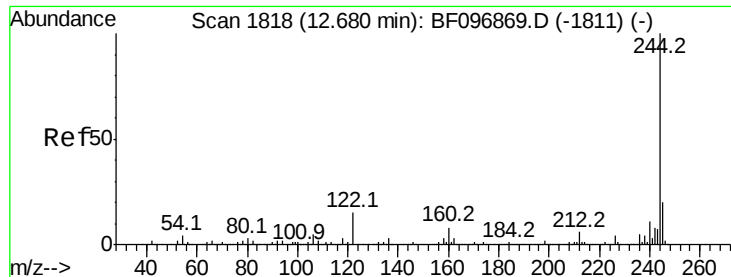
Tgt Ion:202 Resp: 238861
Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

203 18.1 14.4 21.6





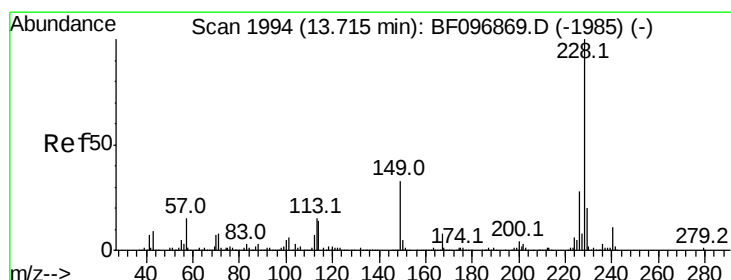
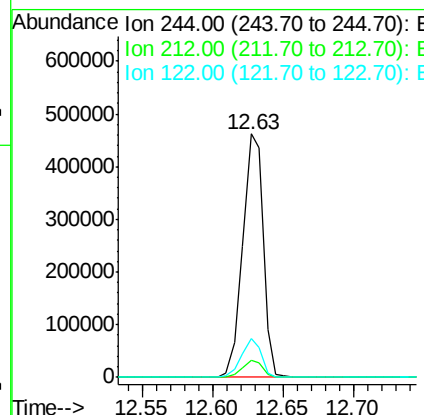
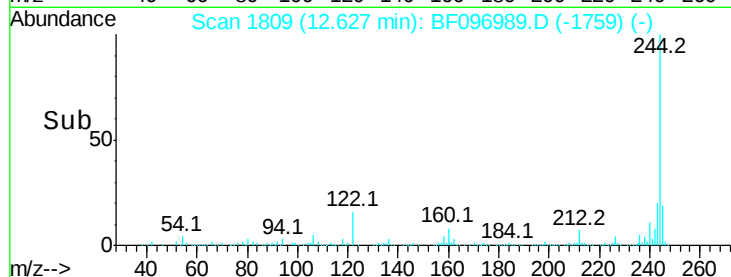
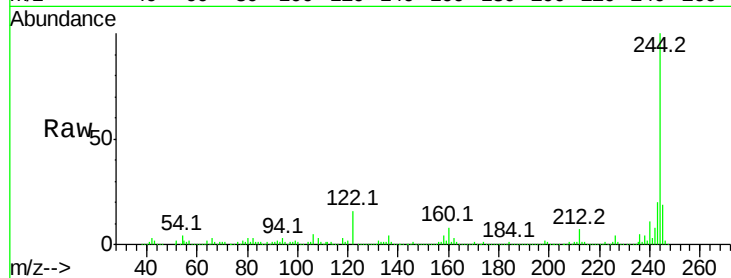
#78
 Terphenyl-d14
 Concen: 45.052 ng
 RT: 12.63 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-BASE-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.8	10.3	15.5

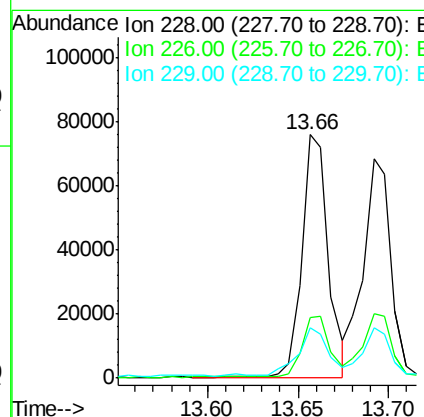
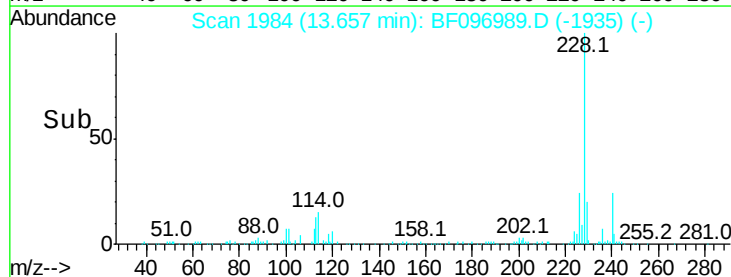
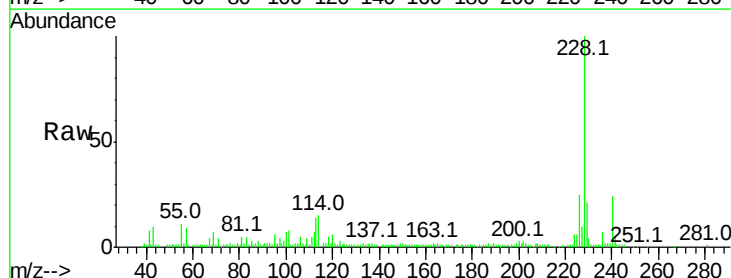
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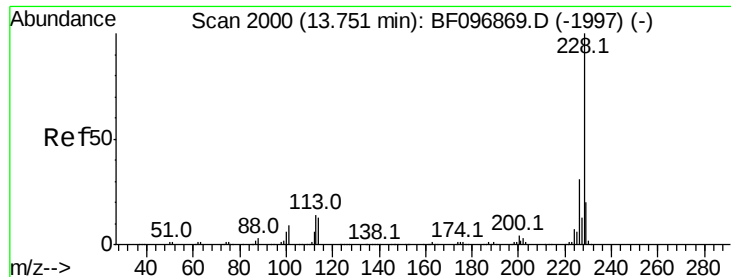
Sohil
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#80
 Benzo(a)anthracene
 Concen: 7.007 ng
 RT: 13.66 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.9	22.6	33.8
229	20.8	16.3	24.5





#82

Chrysene

Concen: 6.725 ng

RT: 13.69 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Instrument :

BNA_F

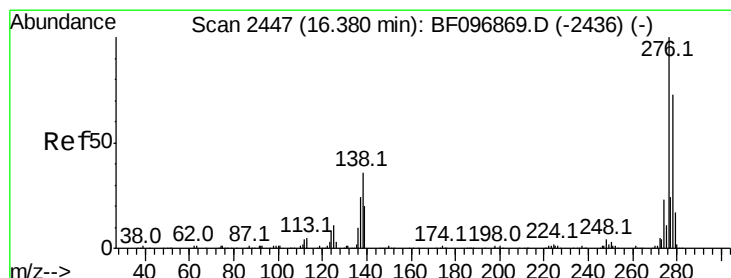
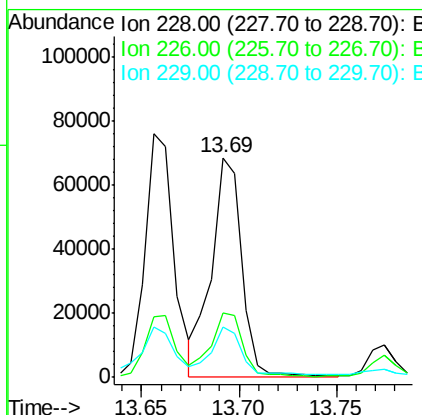
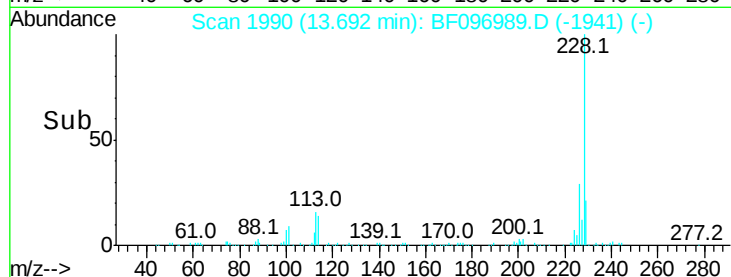
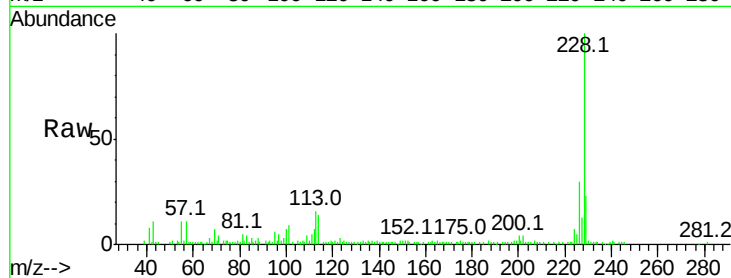
ClientSampleId :

E2-05-BASE-2

Tot Ion:	228	Resp:	74337
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.9	37.3
229	22.8	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.249 ng

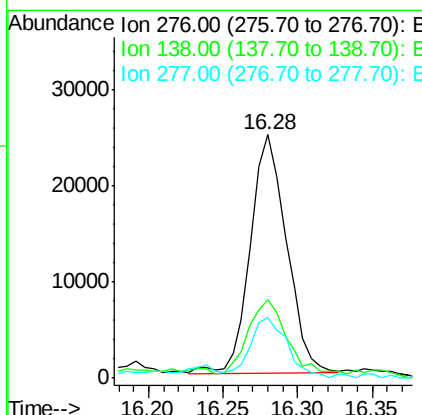
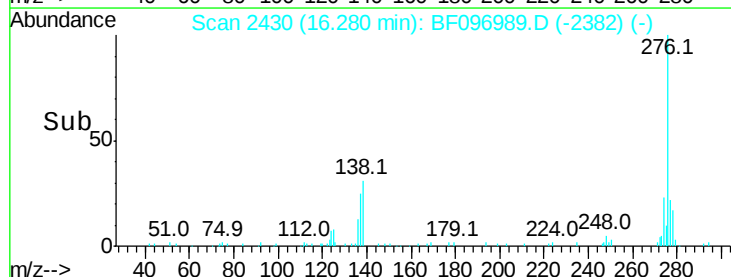
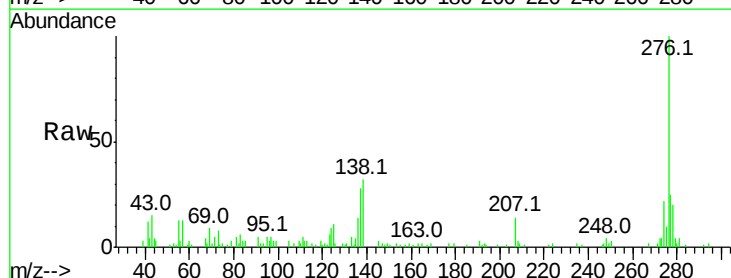
RT: 16.28 min Scan# 2430

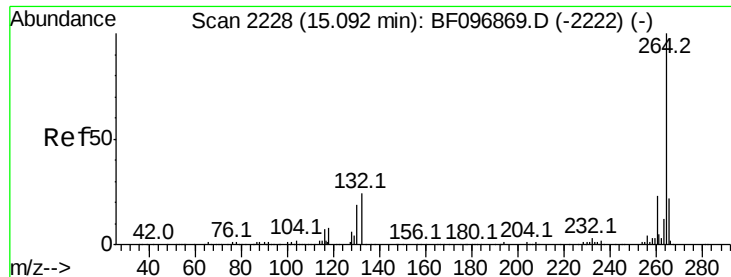
Delta R.T. -0.02 min

Lab File: BF096989.D

Acq: 24 Jul 2017 14:17

Tgt Ion:	276	Resp:	41843
Ion Ratio	Lower	Upper	
276	100		
138	33.2	27.8	41.6
277	25.8	20.2	30.4





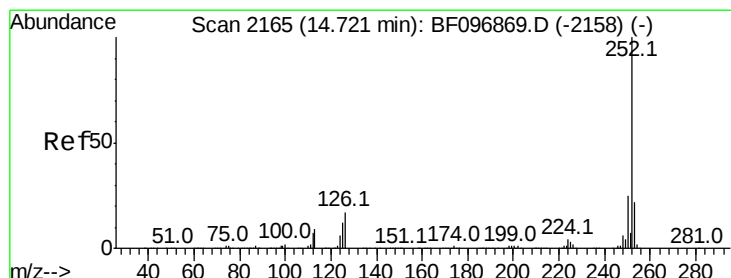
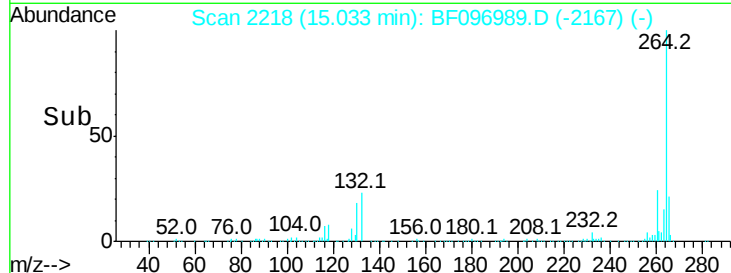
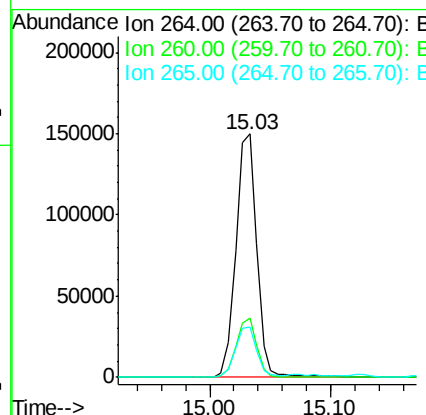
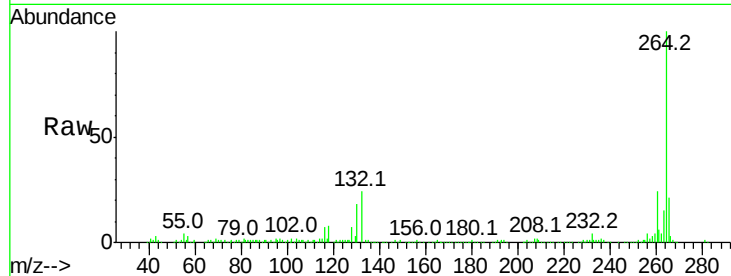
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.03 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :
E2-05-BASE-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	20.8	17.2	25.8

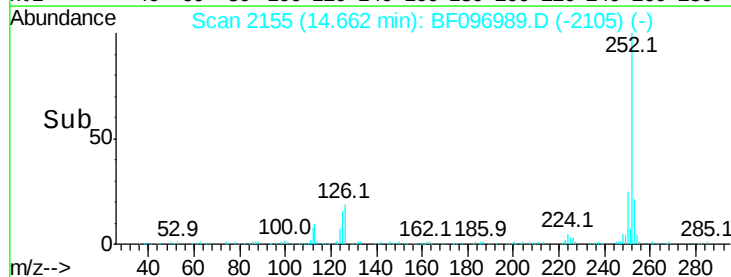
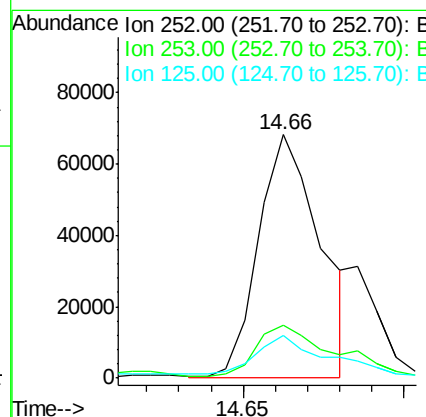
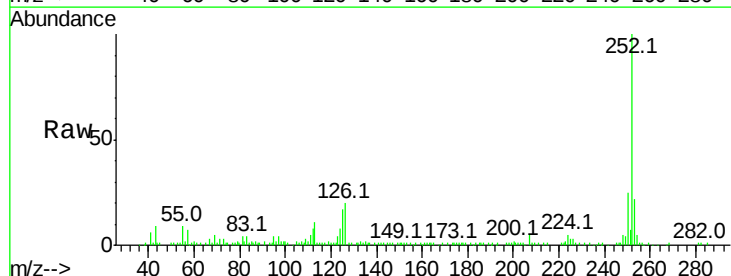
Manual Integrations
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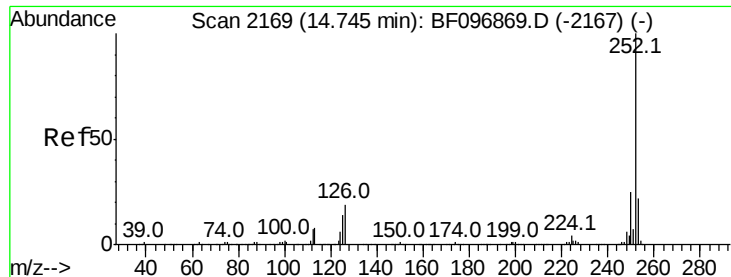
Sohil
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#87
Benzo(b)fluoranthene
Concen: 8.371 ng m
RT: 14.66 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	17.4	9.8	14.8#





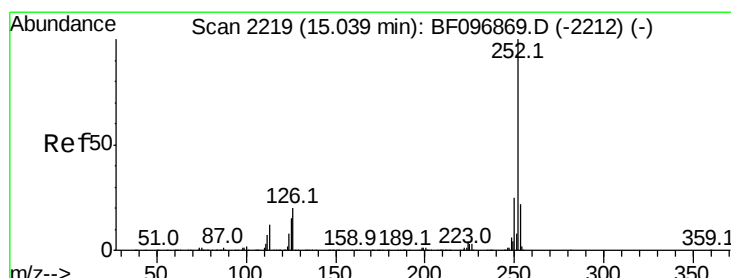
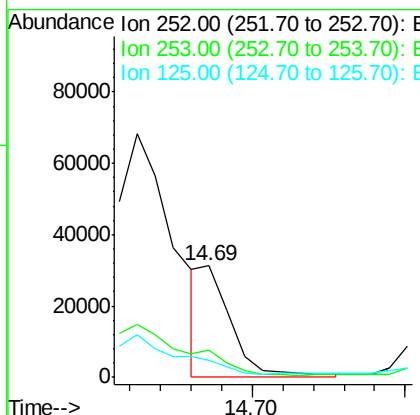
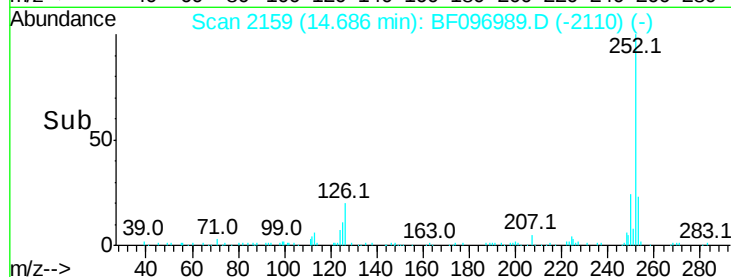
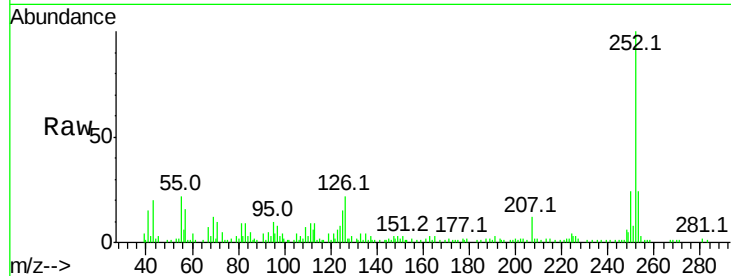
#88
Benzo(k)fluoranthene
Concen: 2.114 ng m
RT: 14.69 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Instrument :
BNA_F
ClientSampleId :
E2-05-BASE-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	14.9	13.1	19.7

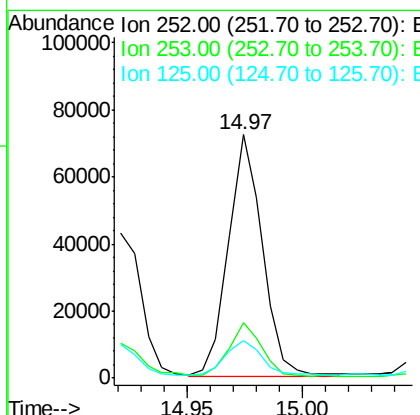
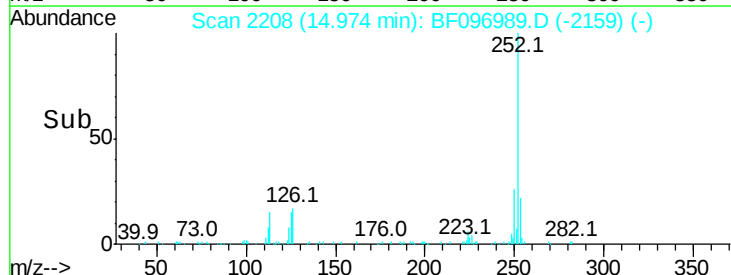
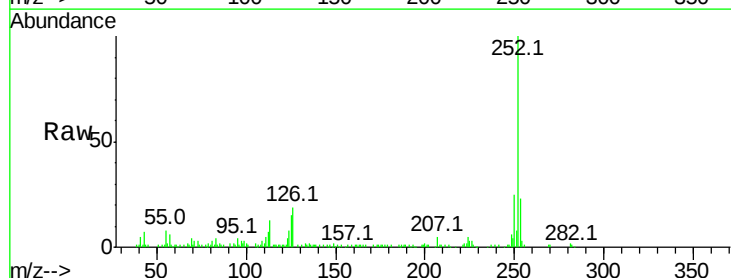
Manual Integrations
APPROVED

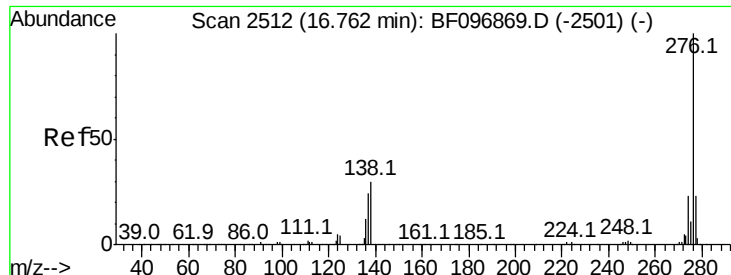
Sohil
7/25/2017 5:36:15 PM



#89
Benzo(a)pyrene
Concen: 7.384 ng
RT: 14.97 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF096989.D
Acq: 24 Jul 2017 14:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	15.2	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 5.128 ng
 RT: 16.66 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF096989.D
 Acq: 24 Jul 2017 14:17

Instrument :
 BNA_F
 ClientSampleId :
 E2-05-BASE-2

Tot Ion:	276	Resp:	50819
Ion Ratio	Lower	Upper	
276	100		
277	22.3	18.6	28.0
138	30.9	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 7/25/2017 5:36:15 PM

