

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097454.D
 Acq On : 8 Aug 2017 3:41
 Operator : SJ/JU
 Sample : I4610-13DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-EDL

Manual Integrations
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Sohil
 8/9/2017 7:56:37 PM

Quant Time: Aug 08 07:27:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.41	152	98169	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	387038	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	177062	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	258404	20.00	ng	0.00
75) Chrysene-d12	13.53	240	204486	20.00	ng	0.00
86) Perylene-d12	14.87	264	153660	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.02	112	55261	8.49	ng	0.01
7) Phenol-d6	6.09	99	73605	9.90	ng	0.00
23) Nitrobenzene-d5	6.99	82	39762	6.03	ng	0.00
41) 2,4,6-Tribromophenol	10.23	330	11305	8.08	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	83932	8.04	ng	0.00
78) Terphenyl-d14	12.49	244	55290	5.51	ng	-0.01

Target Compounds

						Qvalue
37) 2-Methylnaphthalene	8.41	142	33198	2.874	ng	97
51) Acenaphthene	9.47	154	49277	4.897	ng	97
54) Dibenzofuran	9.65	168	47128	3.516	ng	# 95
57) Fluorene	9.98	166	98845	9.813	ng	95
70) Phenanthrene	10.93	178	536918	38.780	ng	99
71) Anthracene	10.99	178	163276	11.514	ng	99
72) Carbazole	11.15	167	33672	2.414	ng	98
74) Fluoranthene	12.12	202	501233	36.954	ng	98
77) Pyrene	12.34	202	518086	30.948	ng	99
80) Benzo(a)anthracene	13.53	228	225615	17.052	ng	100
82) Chrysene	13.56	228	207728	16.078	ng	96
85) Indeno(1,2,3-cd)pyrene	16.07	276	58212	5.255	ng	95
87) Benzo(b)fluoranthene	14.53	252	203437m	22.025	ng	
88) Benzo(k)fluoranthene	14.55	252	46842m	5.322	ng	
89) Benzo(a)pyrene	14.83	252	141630	16.753	ng	98
90) Dibenz(a,h)anthracene	16.06	278	17598	2.538	ng	# 78
91) Benzo(a,h,i)perylene	16.42	276	57600	7.923	ng	95

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

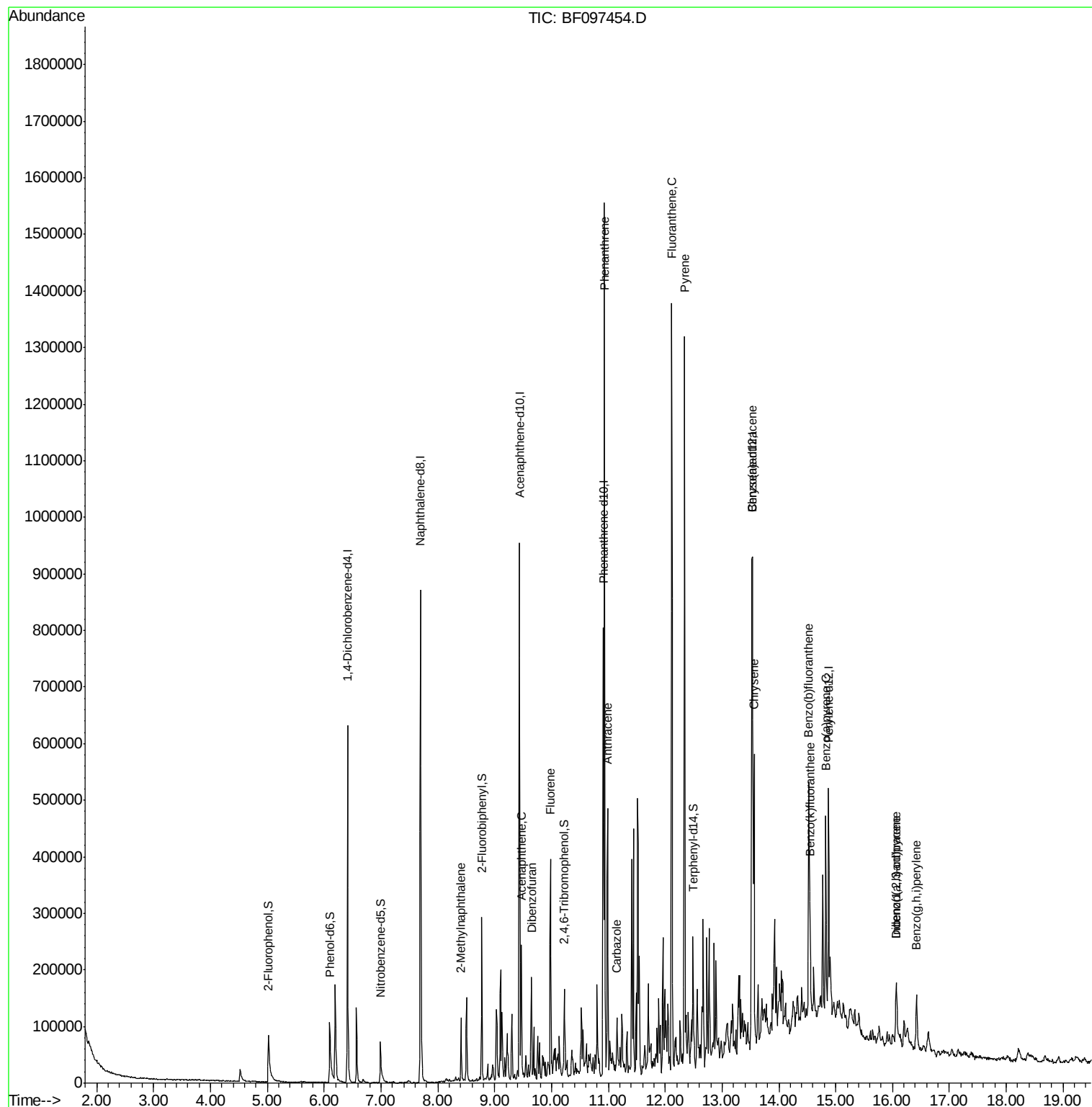
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
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ALS Vial : 28 Sample Multiplier: 1

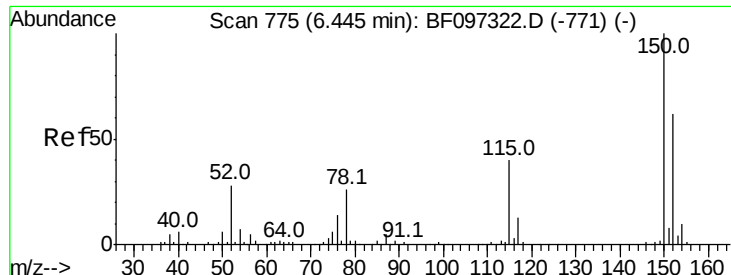
Instrument :
BNA_F
ClientSampled :
PL-02-080317-EDL

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#1

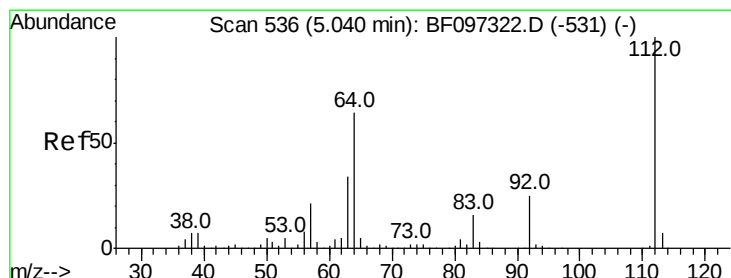
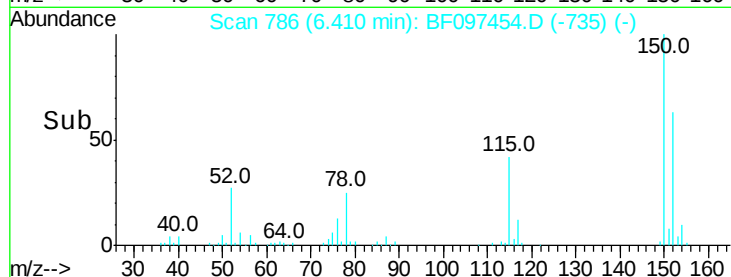
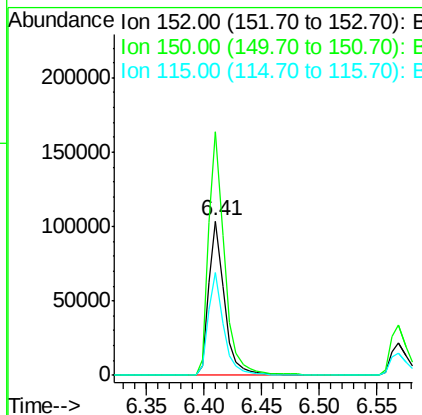
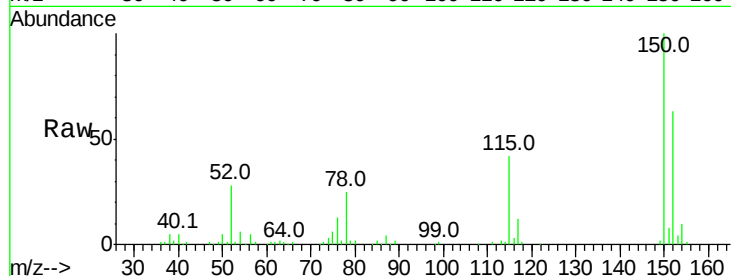
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-EDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	66.3	52.2	78.2

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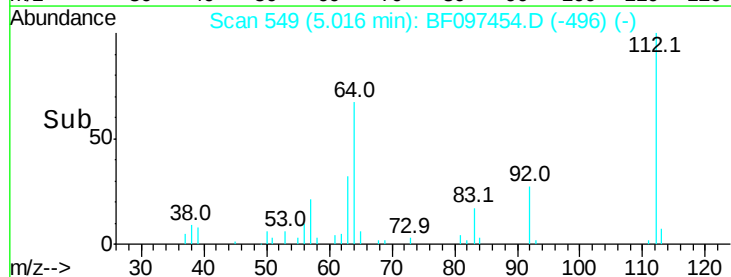
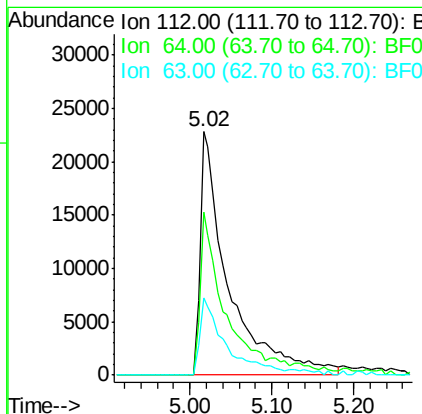
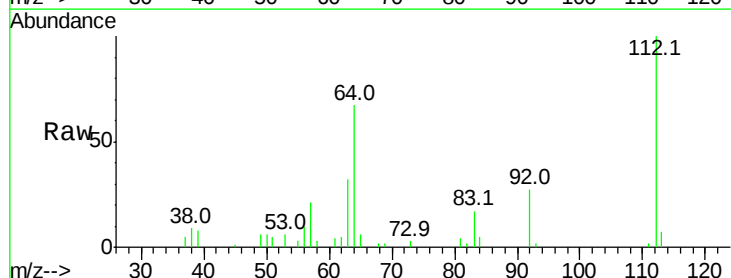
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#5

2-Fluorophenol
Concen: 8.486 ng
RT: 5.02 min Scan# 549
Delta R.T. 0.01 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	46.0	69.0
63	31.6	23.4	35.0





#7

Phenol-d6

Concen: 9.901 ng

RT: 6.09 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF097454.D

Acq: 8 Aug 2017 3:41

Instrument :

BNA_F

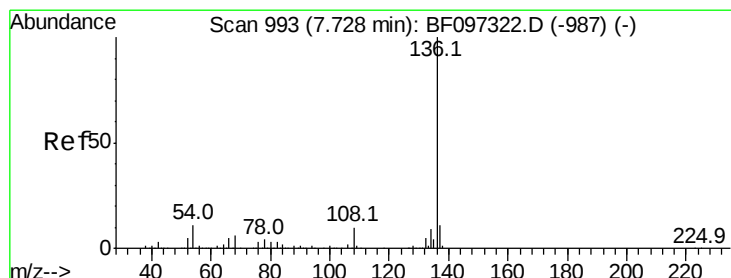
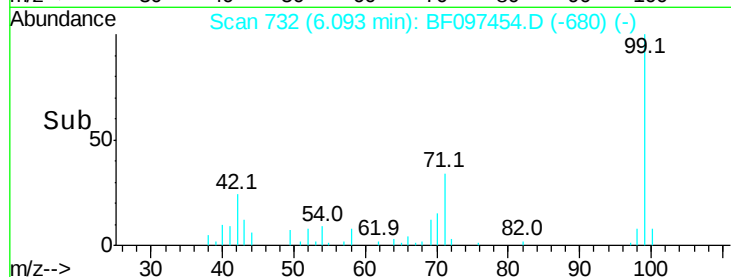
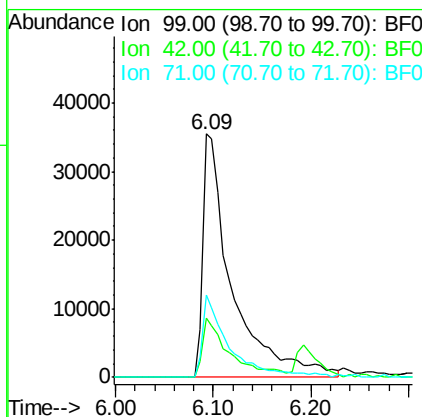
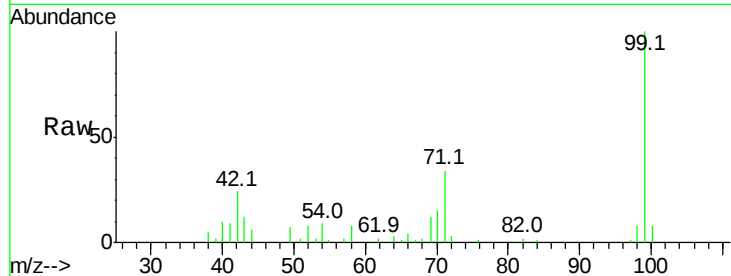
ClientSampleId :

PL-02-080317-EDL

Tot Ion:	99	Resp:	73605
Ion Ratio	Lower	Upper	
99	100		
42	24.4	13.5	20.3#
71	33.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

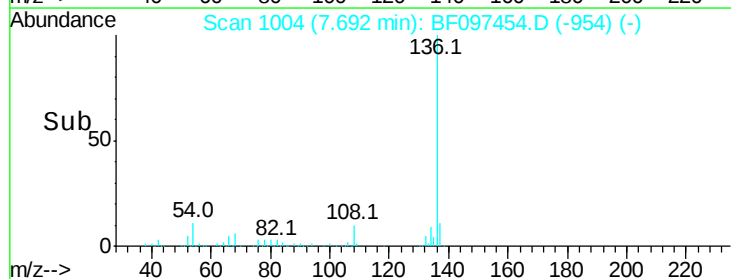
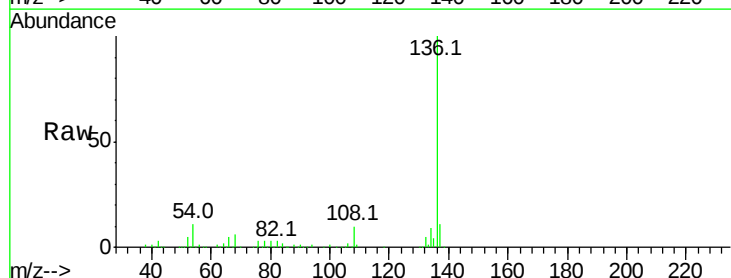
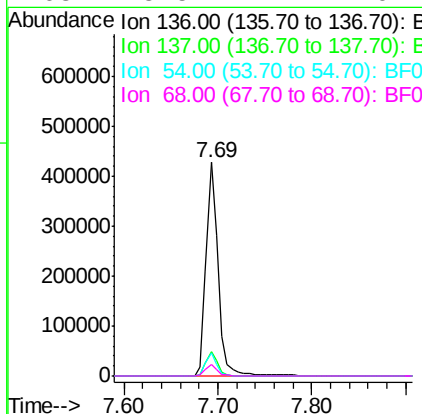
RT: 7.69 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF097454.D

Acq: 8 Aug 2017 3:41

Tgt Ion:	136	Resp:	387038
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	11.0	4.9	7.3#
68	5.5	4.1	6.1





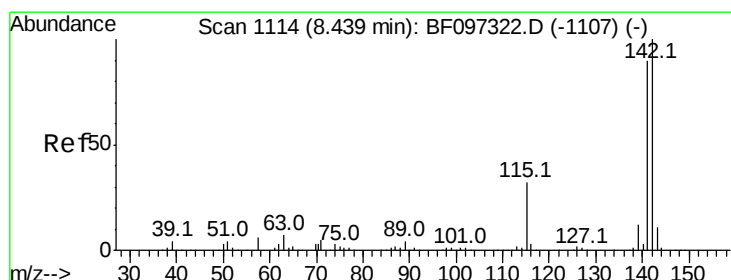
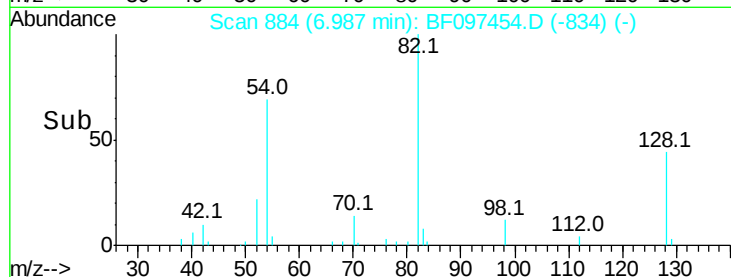
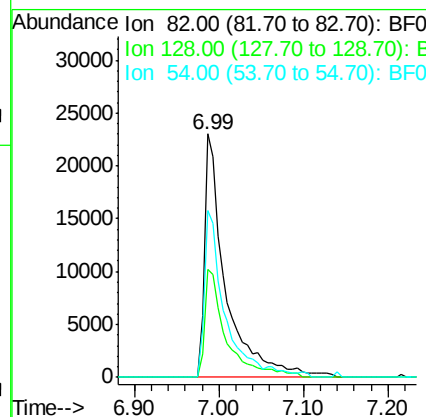
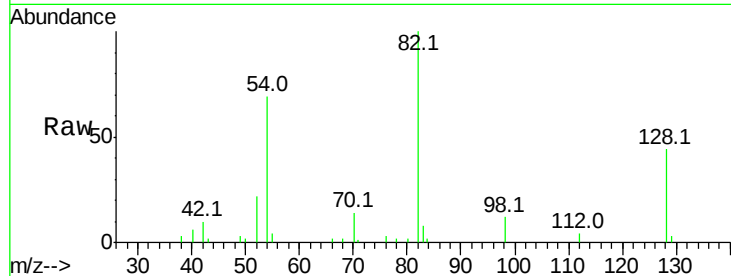
#23
 Nitrobenzene-d5
 Concen: 6.027 ng
 RT: 6.99 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF097454.D
 Acq: 8 Aug 2017 3:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-EDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.0	51.0
54	68.7	42.2	63.2

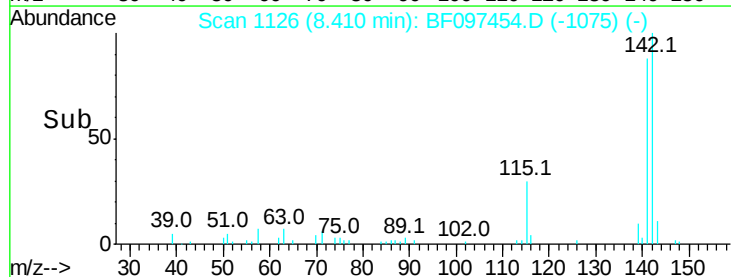
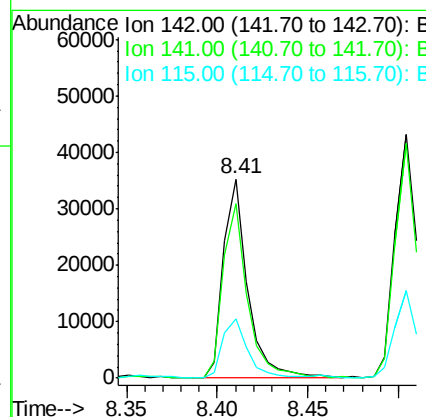
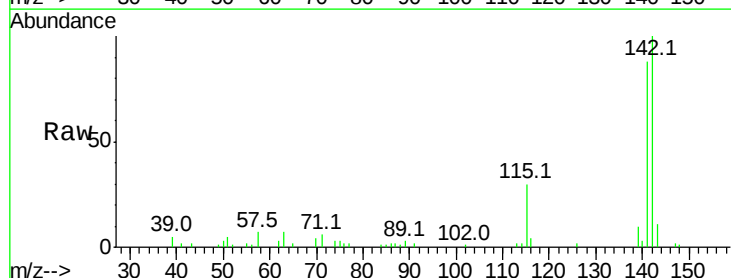
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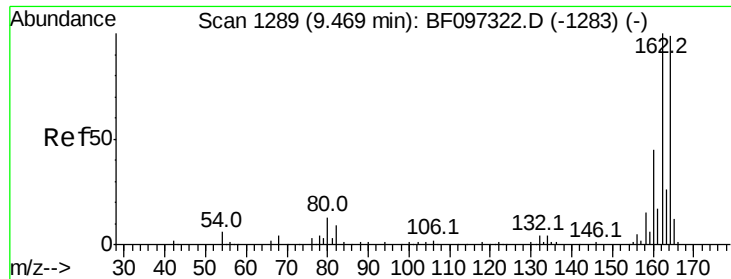
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#37
 2-Methylnaphthalene
 Concen: 2.874 ng
 RT: 8.41 min Scan# 1126
 Delta R.T. 0.00 min
 Lab File: BF097454.D
 Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	71.3	106.9
115	29.6	27.1	40.7





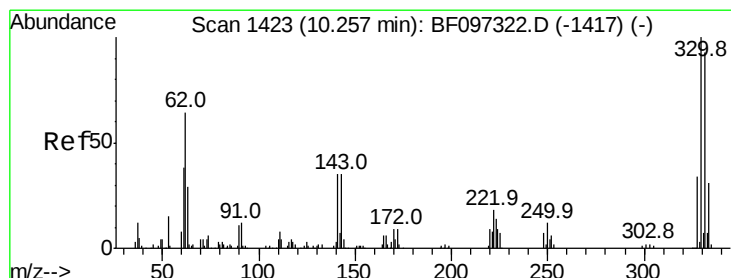
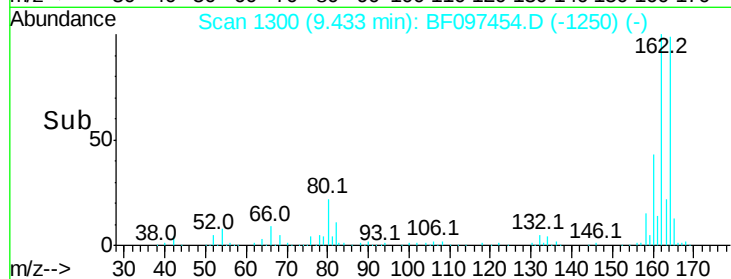
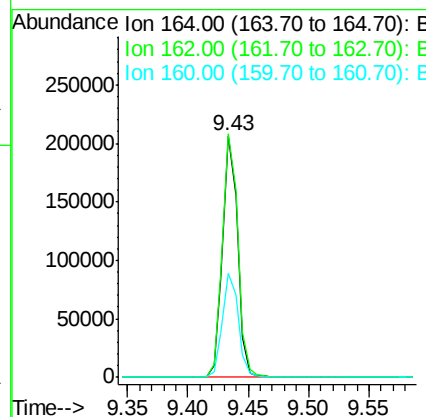
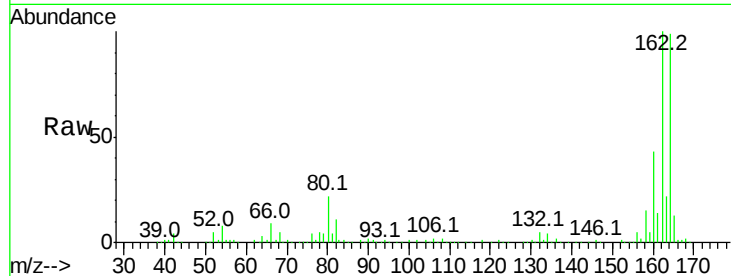
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097454.D
 Acq: 8 Aug 2017 3:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-EDL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	177062		
162	101.0	82.6	123.8	
160	43.3	36.2	54.2	

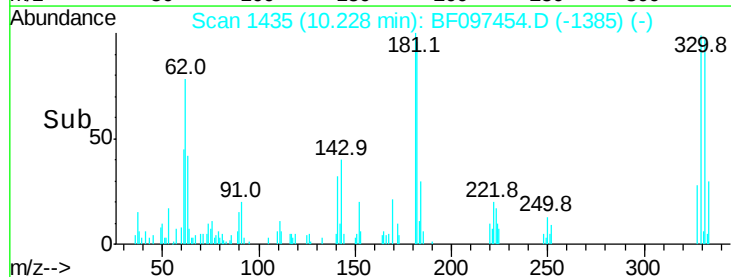
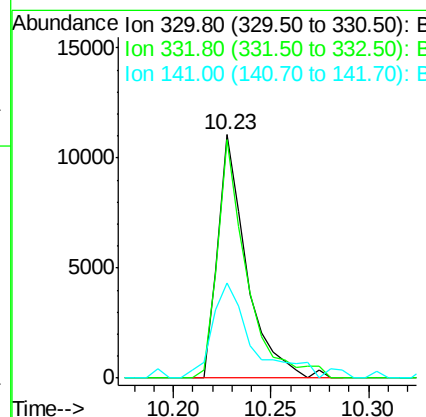
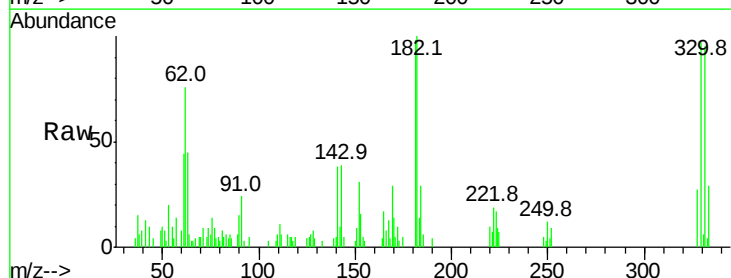
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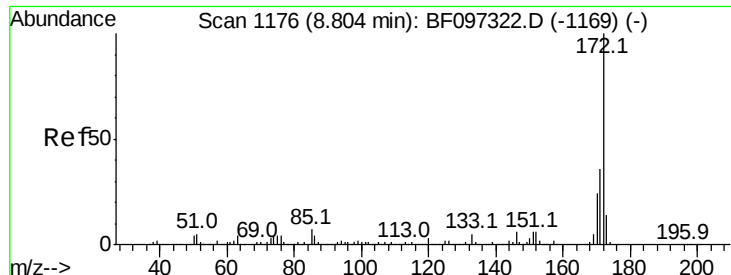
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#41
 2,4,6-Tribromophenol
 Concen: 8.081 ng
 RT: 10.23 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF097454.D
 Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	11305		
332	99.5	76.6	115.0	
141	55.4	31.4	47.2	





#44

2-Fluorobiphenyl

Concen: 8.045 ng

RT: 8.77 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF097454.D

Acq: 8 Aug 2017 3:41

Instrument :

BNA_F

ClientSampleId :

PL-02-080317-EDL

Tot Ion:172 Resp: 83932

Ion Ratio Lower Upper

172 100

171 32.7 29.6 44.4

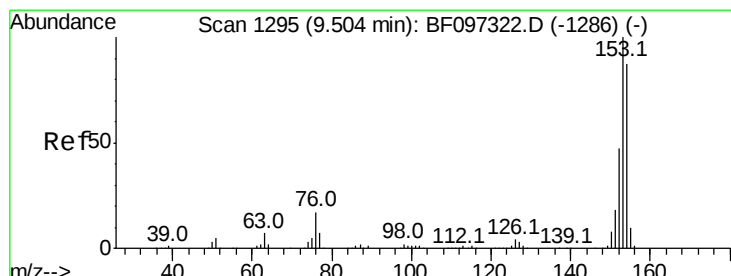
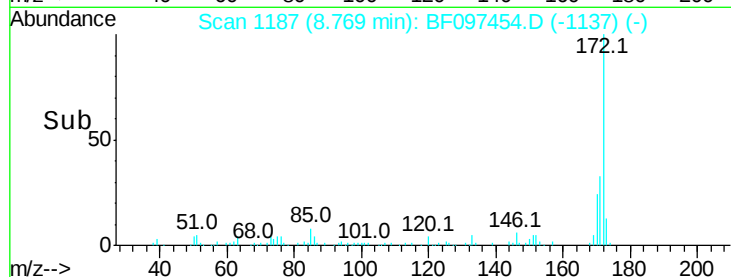
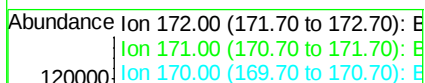
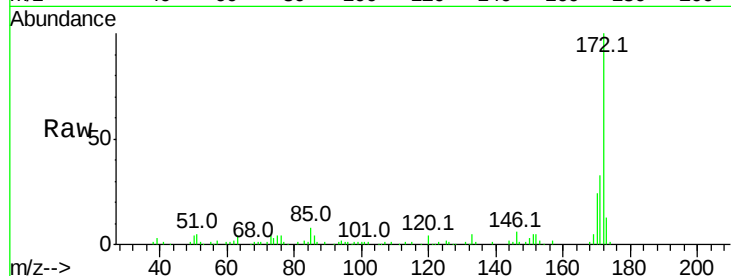
170 23.6 19.8 29.8

Manual Integrations

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#51

Acenaphthene

Concen: 4.897 ng

RT: 9.47 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF097454.D

Acq: 8 Aug 2017 3:41

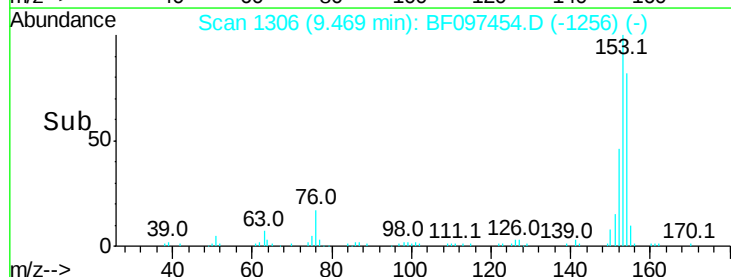
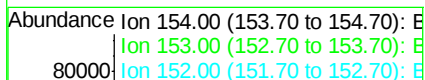
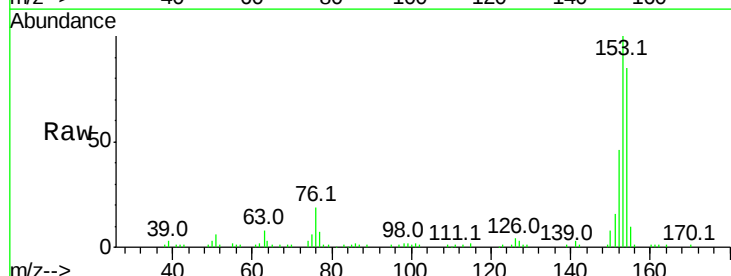
Tgt Ion:154 Resp: 49277

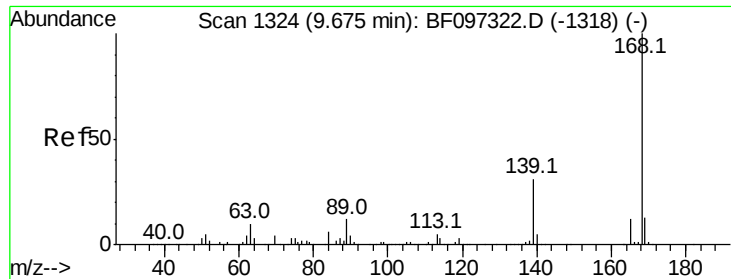
Ion Ratio Lower Upper

154 100

153 117.4 90.5 135.7

152 54.5 43.6 65.4





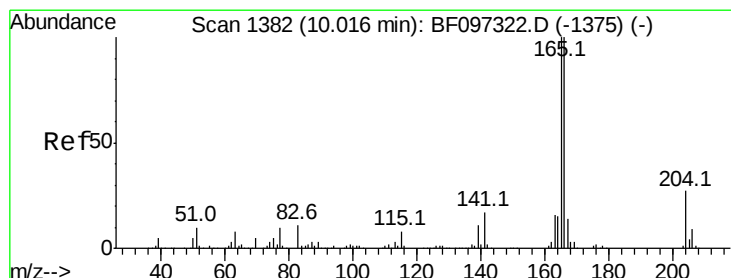
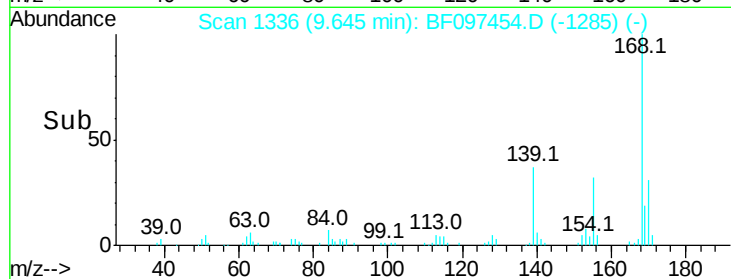
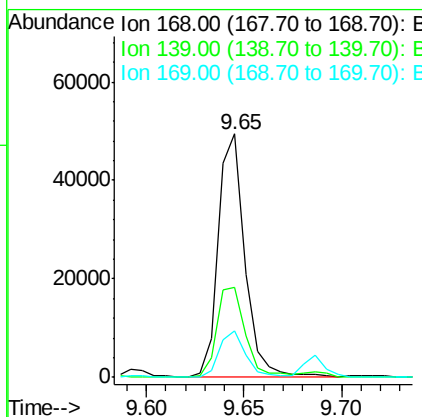
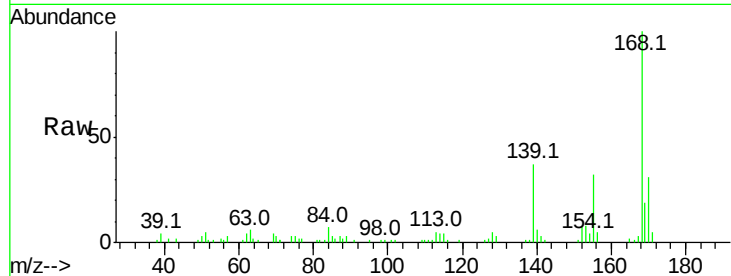
#54
Dibenzofuran
Concen: 3.516 ng
RT: 9.65 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-EDL

Tot Ion	Ratio	Resp	Lower	Upper
168	100	47128		
139	36.8		30.6	45.8
169	18.8		10.8	16.2

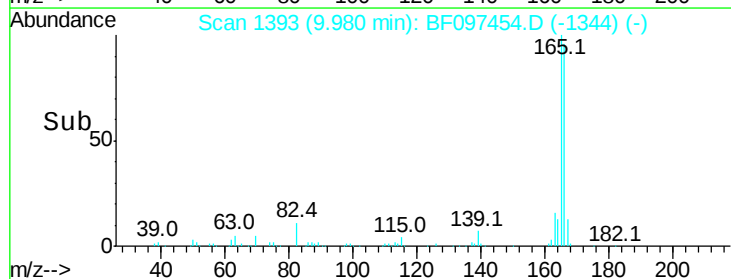
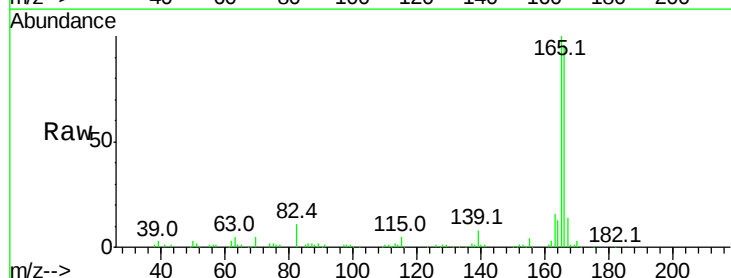
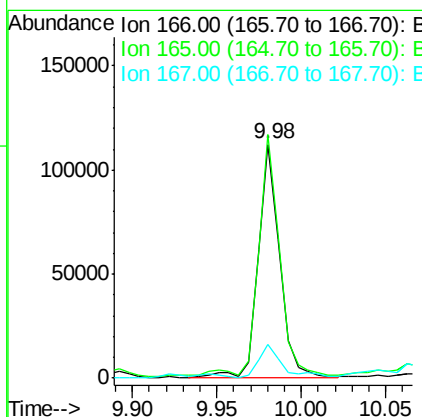
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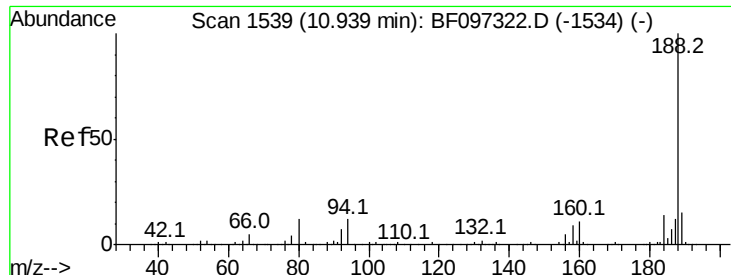
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#57
Fluorene
Concen: 9.813 ng
RT: 9.98 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	98845		
165	104.2		78.8	118.2
167	14.2		10.6	16.0





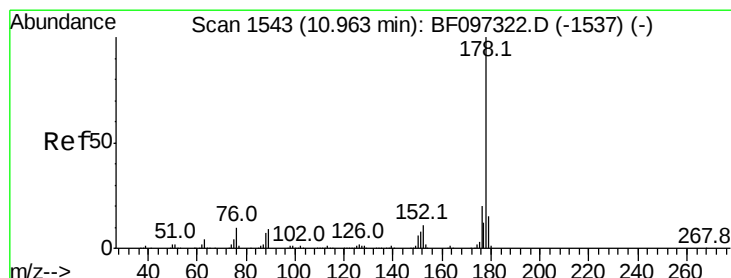
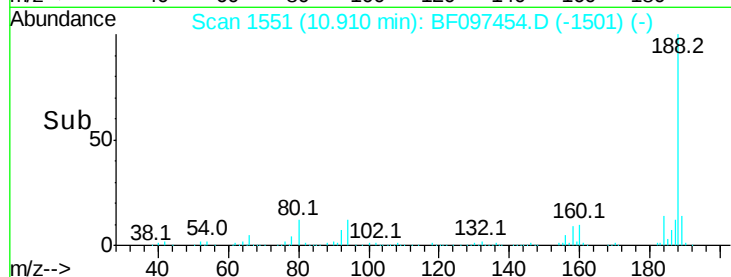
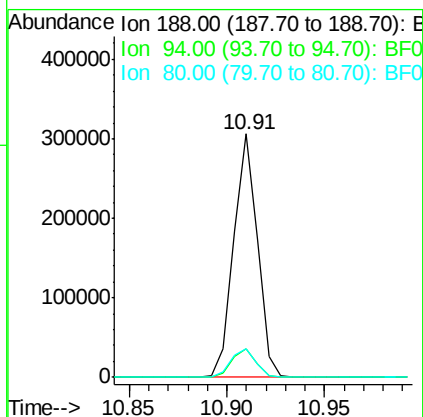
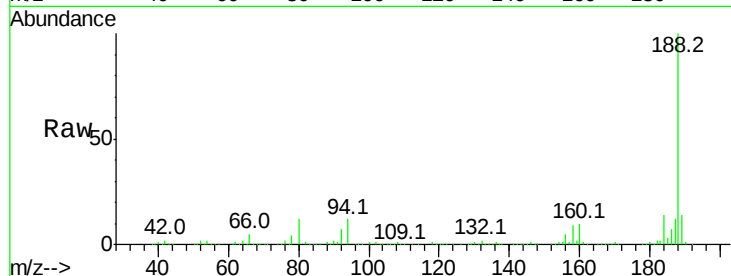
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.91 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-EDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	258404		
94	11.7		9.4	14.2
80	11.8		10.2	15.2

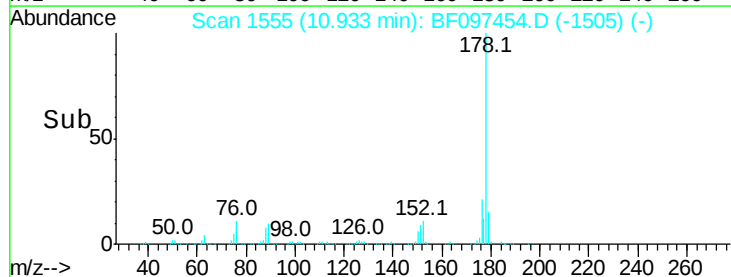
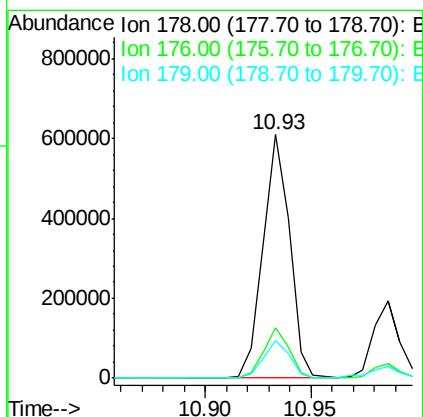
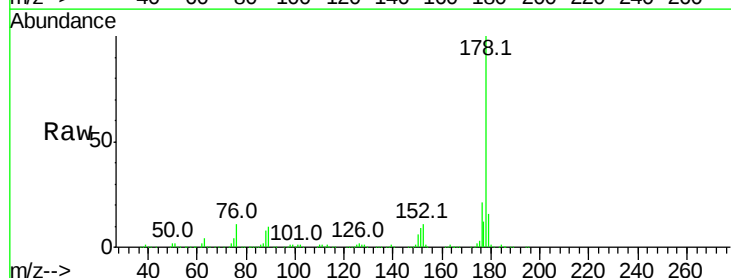
Manual Integrations
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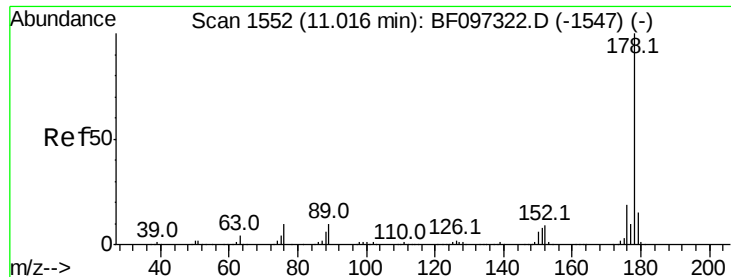
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#70
Phenanthrene
Concen: 38.780 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	536918		
176	20.9		16.2	24.4
179	15.5		12.6	19.0





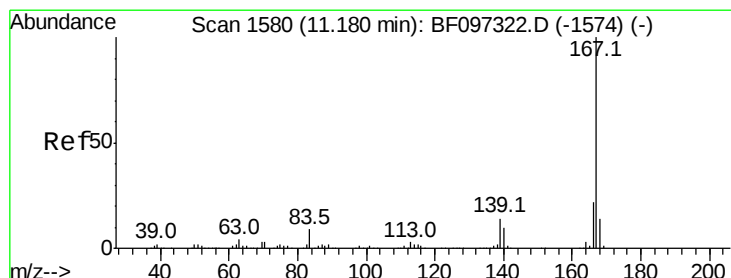
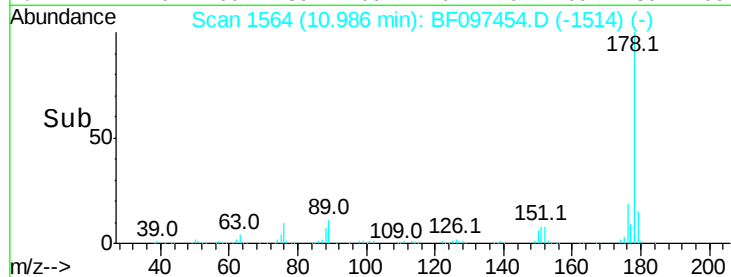
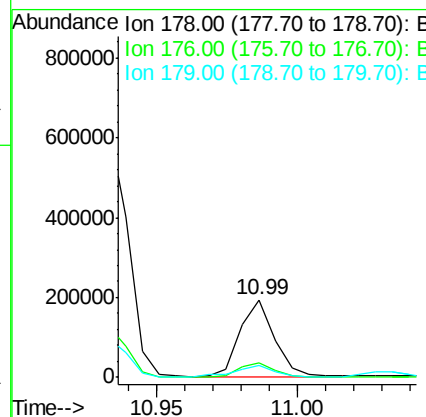
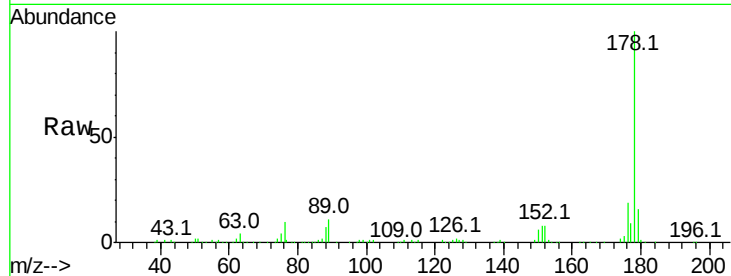
#71
 Anthracene
 Concen: 11.514 ng
 RT: 10.99 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF097454.D
 Acq: 8 Aug 2017 3:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-EDL

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

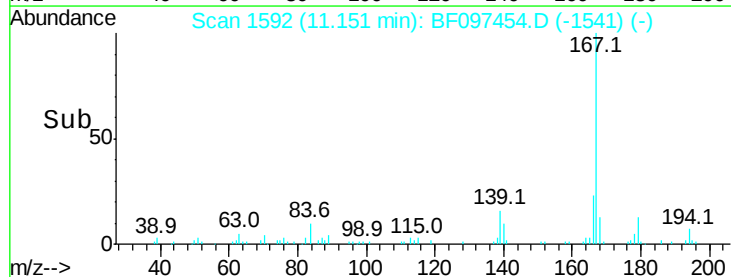
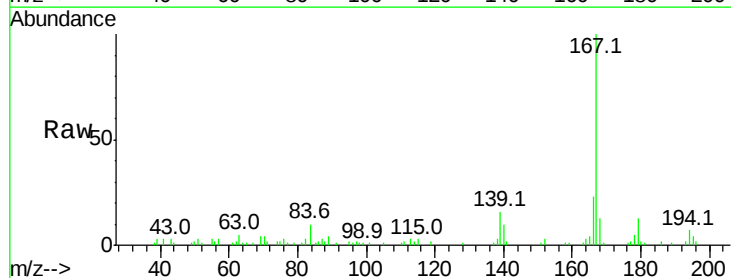
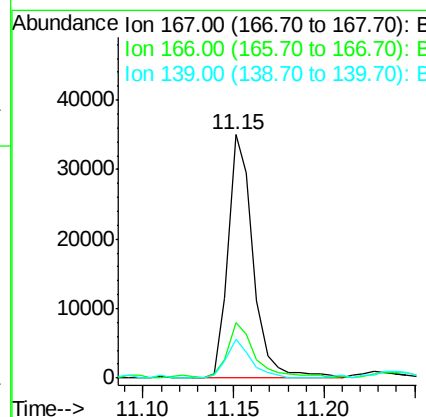
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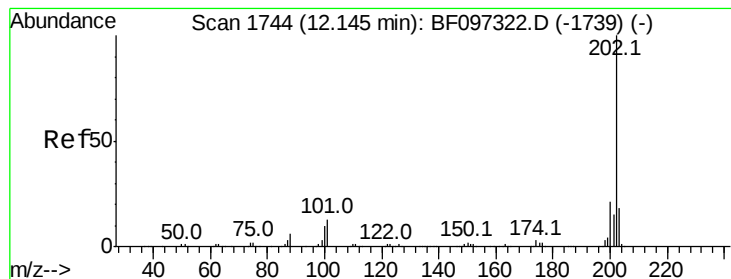
Sohil
 8/9/2017 7:56:37 PM



#72
 Carbazole
 Concen: 2.414 ng
 RT: 11.15 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF097454.D
 Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.1	27.1
139	15.7	11.7	17.5





#74

Fluoranthene

Concen: 36.954 ng

RT: 12.12 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF097454.D

Acq: 8 Aug 2017 3:41

Instrument :

BNA_F

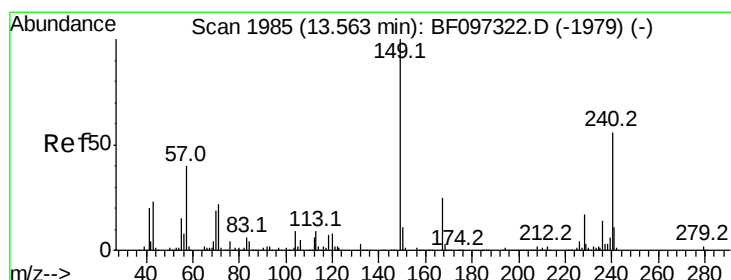
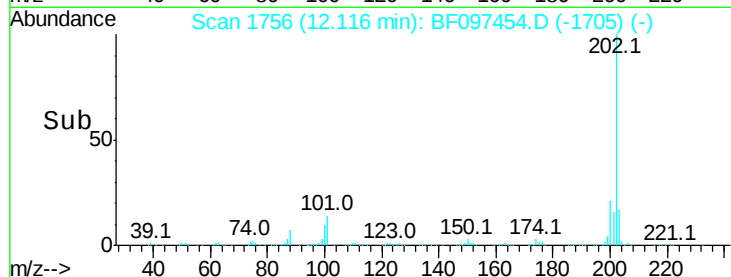
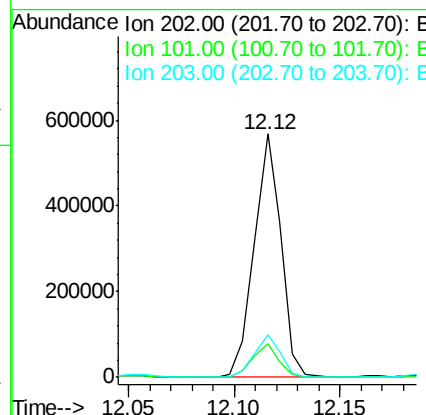
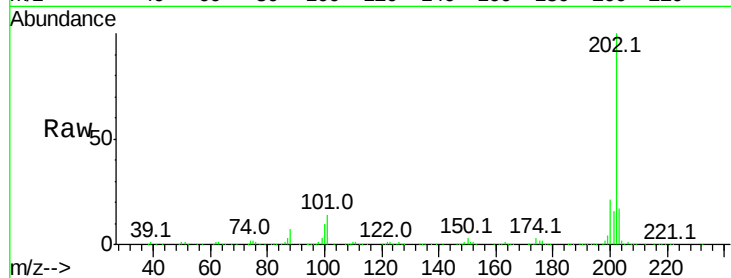
ClientSampleId :

PL-02-080317-EDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	33.2
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

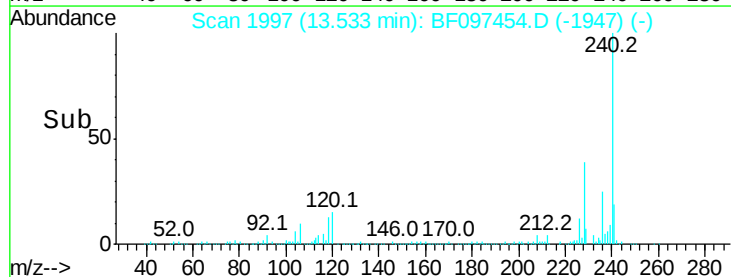
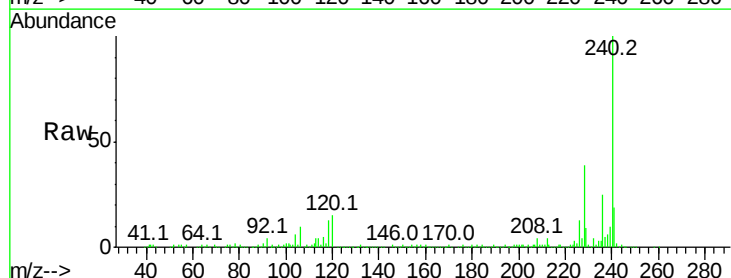
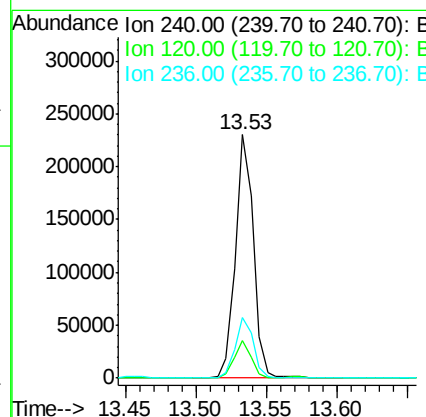
RT: 13.53 min Scan# 1997

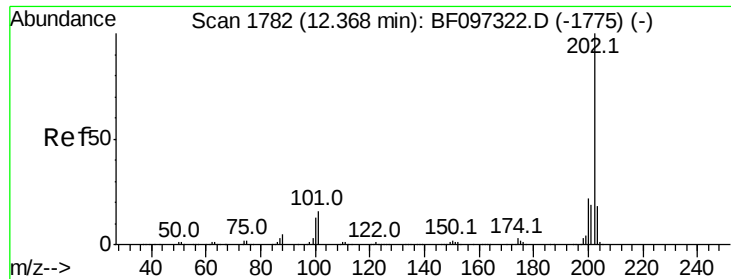
Delta R.T. -0.01 min

Lab File: BF097454.D

Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	25.0	20.5	30.7





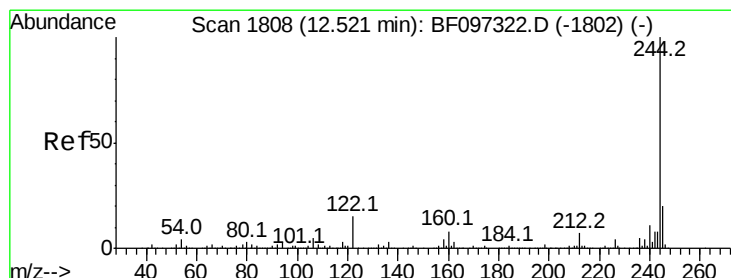
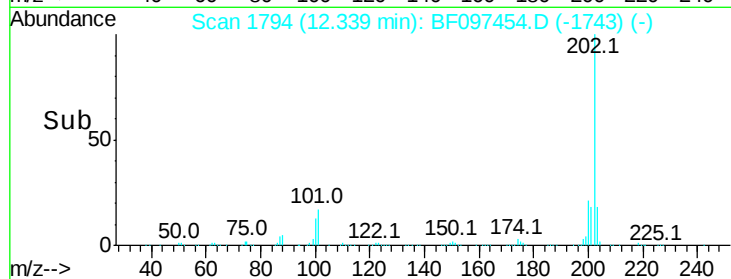
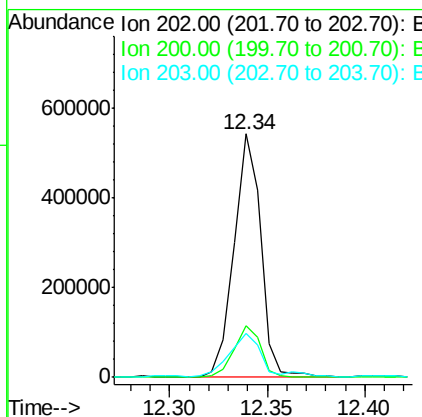
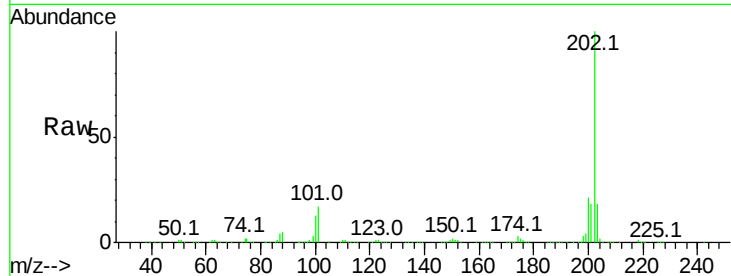
#77
Pvrene
Concen: 30.948 ng
RT: 12.34 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-EDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.6	26.4
203	18.0	14.4	21.6

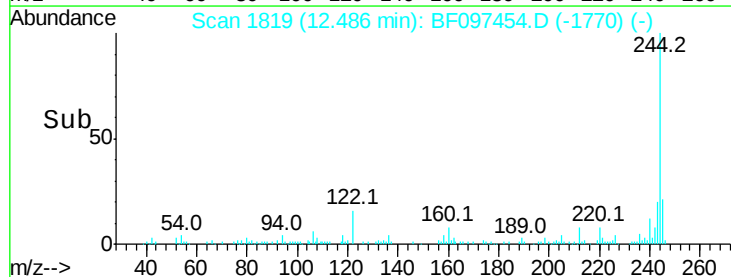
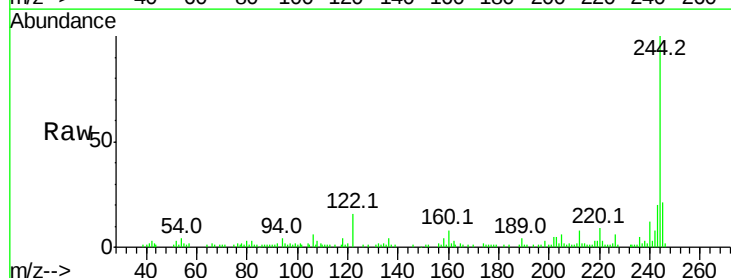
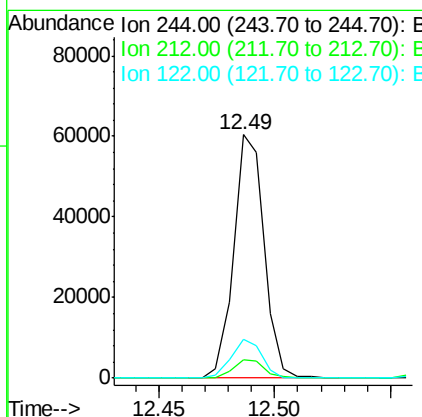
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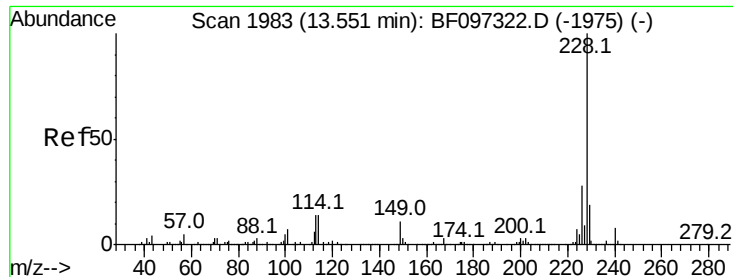
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#78
Terphenyl-d14
Concen: 5.513 ng
RT: 12.49 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.7	6.0	9.0
122	16.2	10.3	15.5#





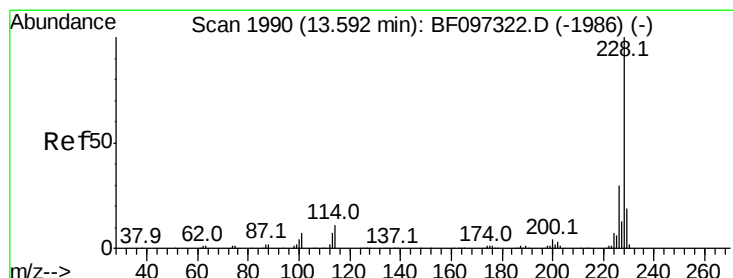
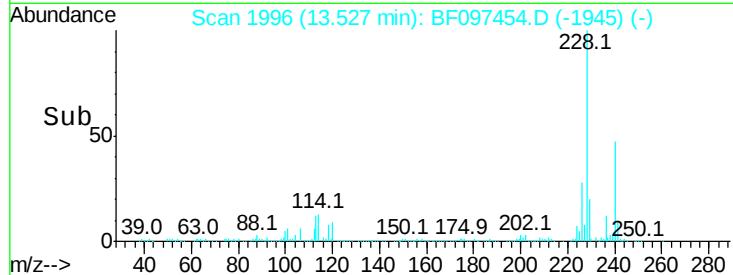
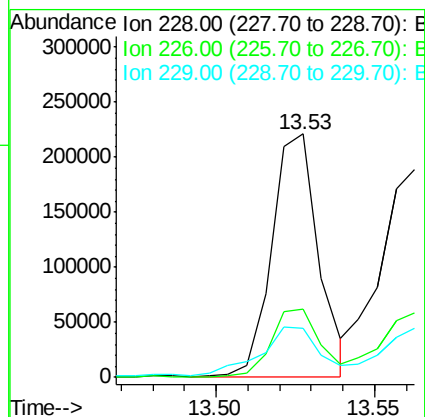
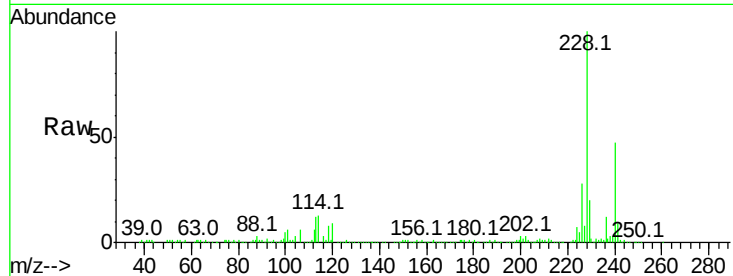
#80
Benzo(a)anthracene
Concen: 17.052 ng
RT: 13.53 min Scan# 1996
Delta R.T. 0.00 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-EDL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	225615		
226	28.0		22.6	33.8
229	20.4		16.3	24.5

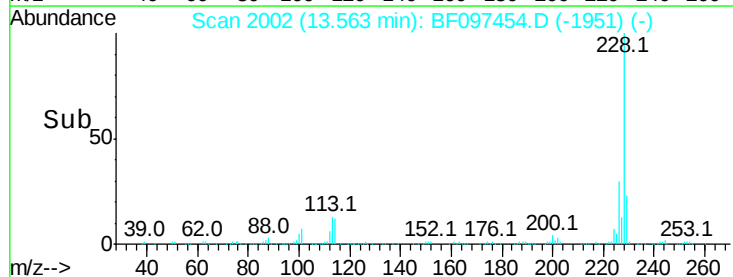
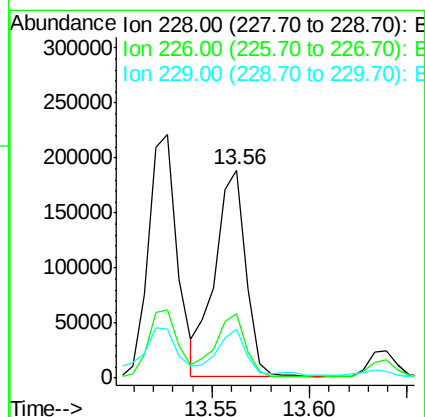
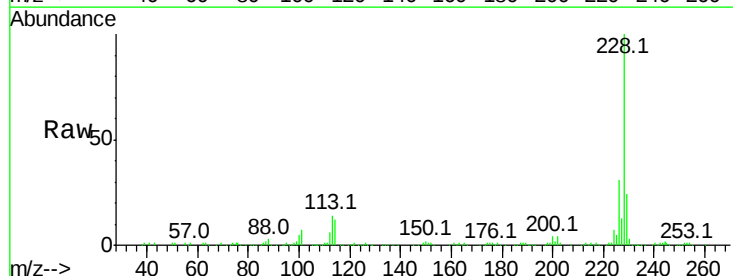
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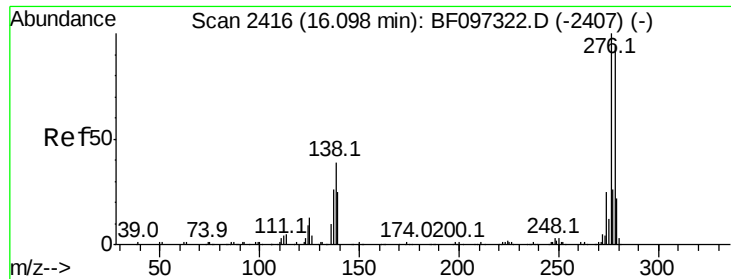
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#82
Chrysene
Concen: 16.078 ng
RT: 13.56 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	207728		
226	30.7		24.9	37.3
229	23.6		15.8	23.6





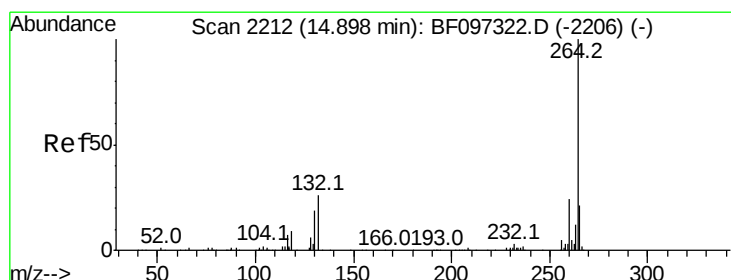
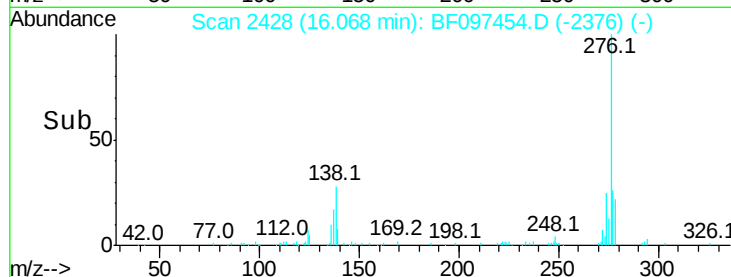
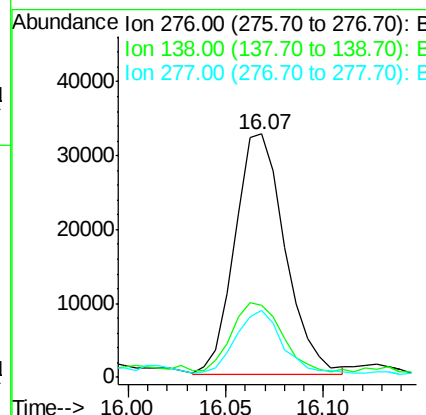
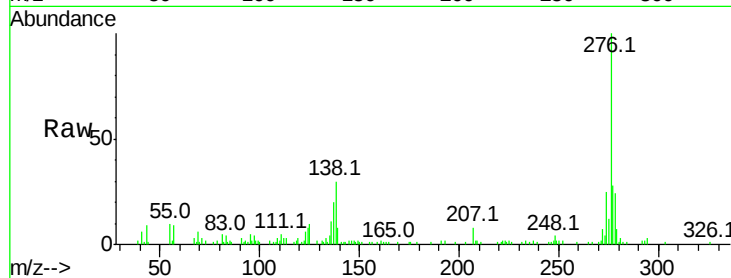
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.255 ng
 RT: 16.07 min Scan# 2428
 Delta R.T. 0.01 min
 Lab File: BF097454.D
 Acq: 8 Aug 2017 3:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-EDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.0	27.8	41.6
277	23.6	20.2	30.4

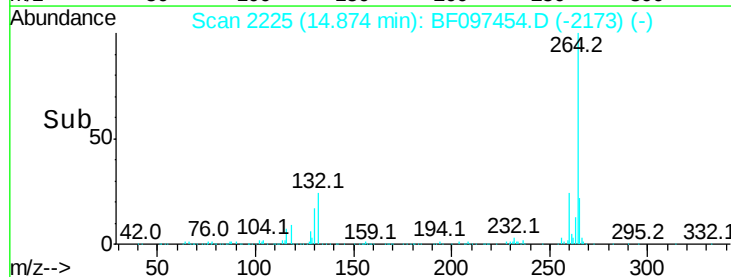
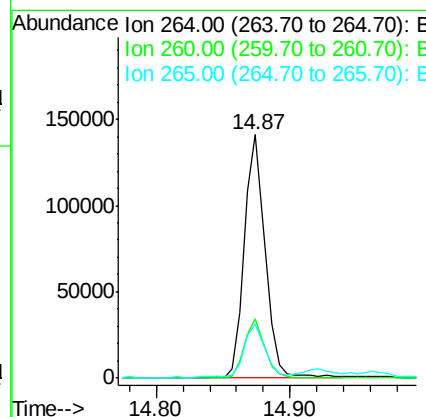
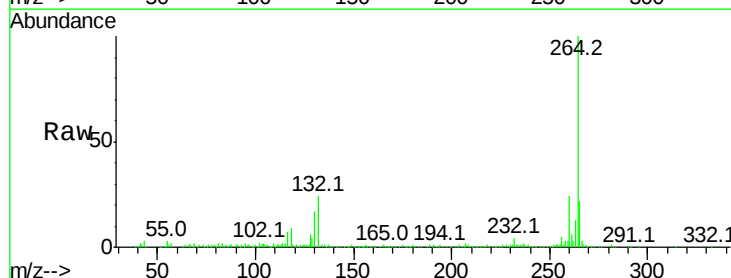
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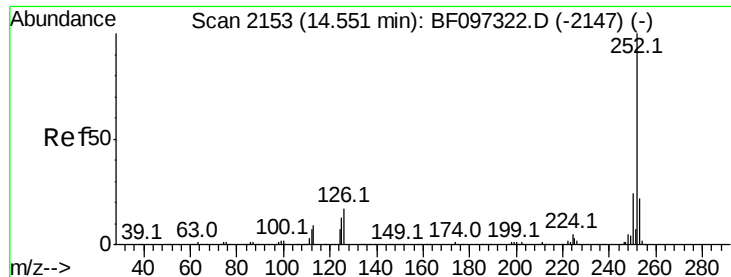
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.87 min Scan# 2225
 Delta R.T. 0.01 min
 Lab File: BF097454.D
 Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 22.025 ng m

RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BF097454.D

Acq: 8 Aug 2017 3:41

Instrument :

BNA_F

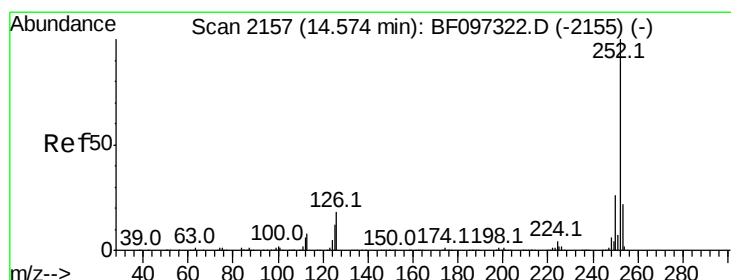
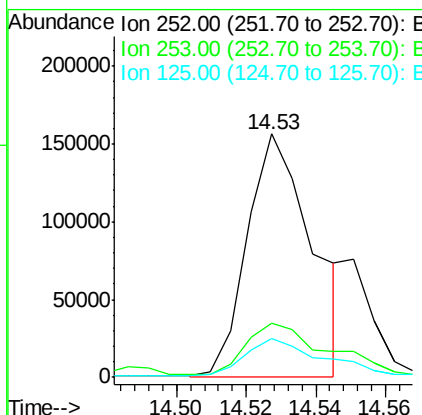
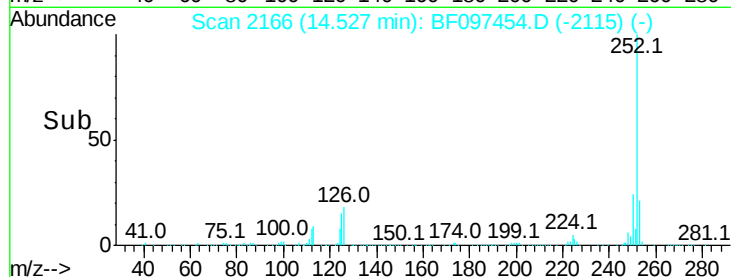
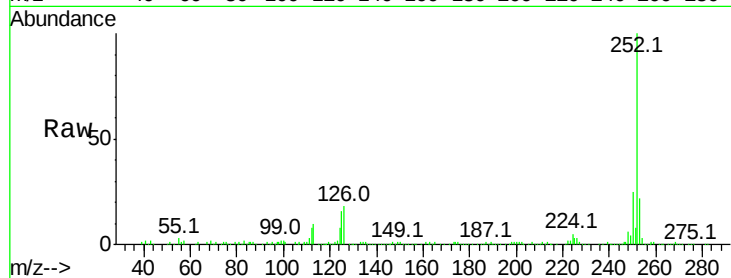
ClientSampleId :

PL-02-080317-EDL

Tot Ion:	252	Resp:	203437
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.1	27.1
125	15.8	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 5.322 ng m

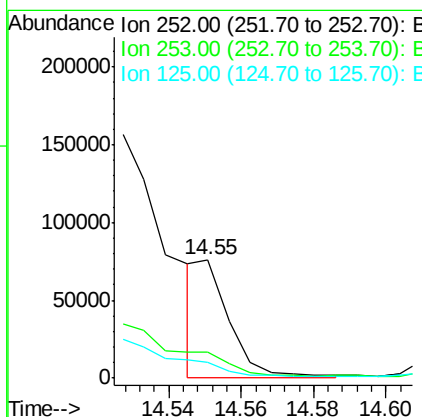
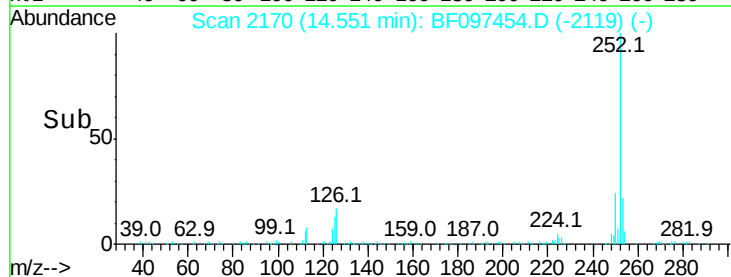
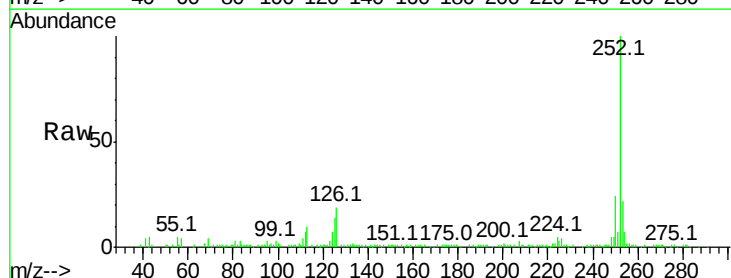
RT: 14.55 min Scan# 2170

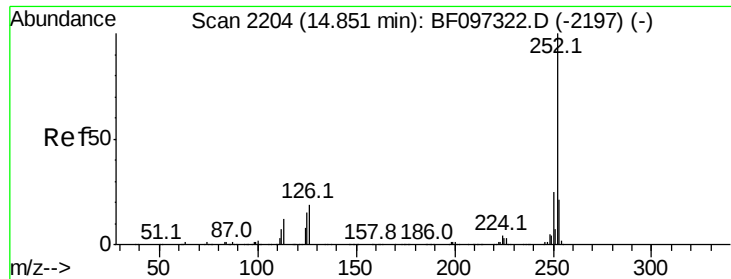
Delta R.T. 0.00 min

Lab File: BF097454.D

Acq: 8 Aug 2017 3:41

Tgt Ion:	252	Resp:	46842
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.4	27.6
125	13.8	13.1	19.7





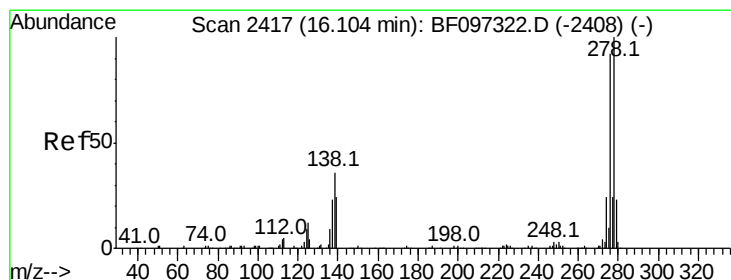
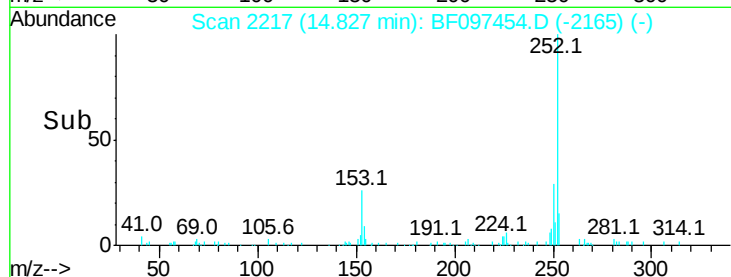
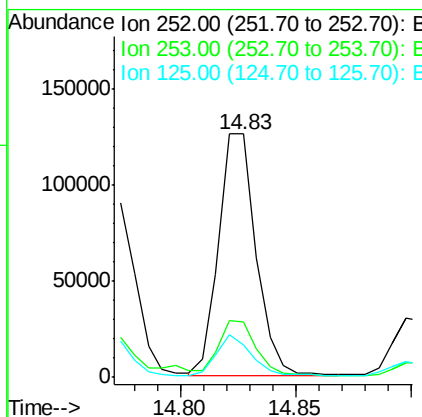
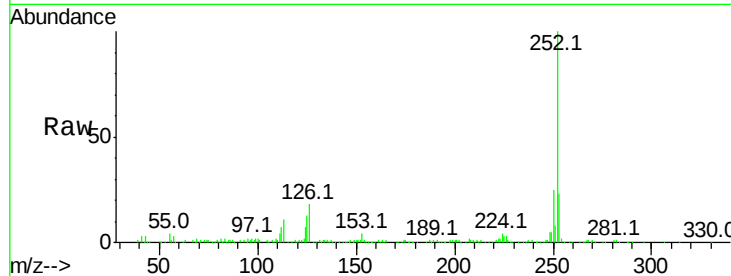
#89
Benzo(a)pyrene
Concen: 16.753 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-EDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	13.5	11.0	16.4

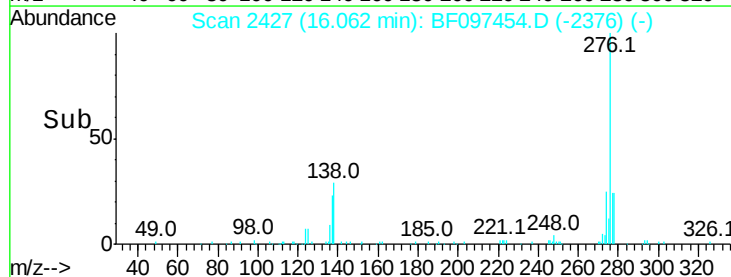
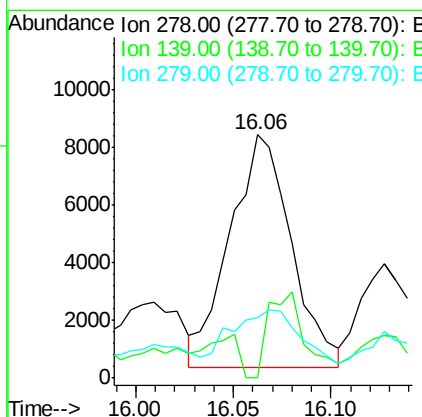
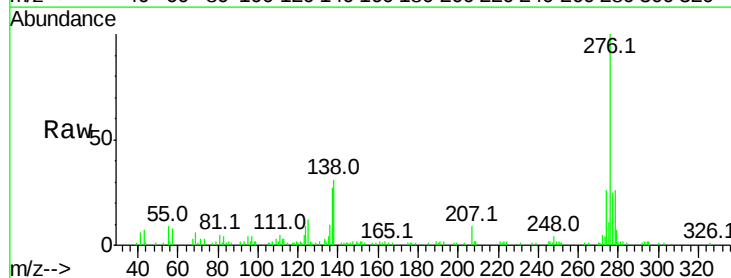
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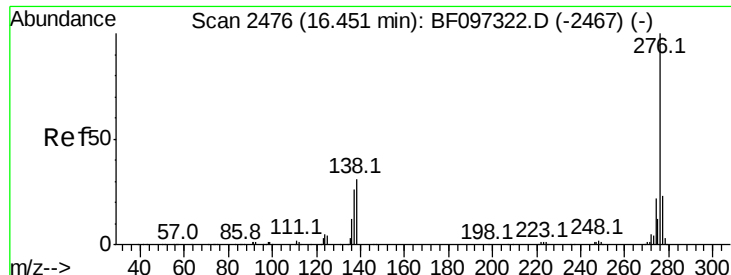
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.538 ng
RT: 16.06 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BF097454.D
Acq: 8 Aug 2017 3:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	25.1	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 7.923 ng
 RT: 16.42 min Scan# 2488
 Delta R.T. 0.01 min
 Lab File: BF097454.D
 Acq: 8 Aug 2017 3:41

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-EDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.6	28.0
138	34.0	25.4	38.0

Manual Integrations
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