

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097220.D
 Acq On : 31 Jul 2017 20:56
 Operator : SJ/JU
 Sample : I4488-07 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-C

Manual Integrations
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 8/1/2017 5:44:55 PM

Quant Time: Aug 01 12:10:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	134248	20.00	ng	-0.02
21) Naphthalene-d8	7.76	136	528154	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	194553	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	270875	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	216593	20.00	ng	-0.01
86) Perylene-d12	14.97	264	161343	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	413021	46.38	ng	-0.01
7) Phenol-d6	6.16	99	568447	55.91	ng	-0.01
23) Nitrobenzene-d5	7.05	82	321180	35.67	ng	-0.03
41) 2,4,6-Tribromophenol	10.30	330	69647	45.31	ng	-0.02
44) 2-Fluorobiphenyl	8.84	172	468120	40.83	ng	-0.03
78) Terphenyl-d14	12.57	244	285160	26.84	ng	-0.02
Target Compounds						
10) Phenol	6.17	94	30414	2.522	ng	99
49) Dimethylphthalate	9.24	163	81755	5.534	ng	99
57) Fluorene	10.05	166	45488	4.110	ng	97
70) Phenanthrene	11.01	178	481729	33.192	ng	100
71) Anthracene	11.06	178	157259	10.579	ng	98
74) Fluoranthene	12.20	202	679348	47.780	ng	97
77) Pyrene	12.42	202	572302	32.276	ng	100
80) Benzo(a)anthracene	13.60	228	301653	21.524	ng	98
82) Chrysene	13.64	228	261277	19.093	ng	96
85) Indeno(1,2,3-cd)pyrene	16.20	276	89150	7.597	ng	96
87) Benzo(b)fluoranthene	14.61	252	287557m	29.649	ng	
88) Benzo(k)fluoranthene	14.63	252	64210m	6.948	ng	
89) Benzo(a)pyrene	14.92	252	172028	19.380	ng	95
90) Dibenzo(a,h)anthracene	16.20	278	24975m	3.431	ng	
91) Benzo(a,h,i)perylene	16.56	276	75957	9.951	ng	95

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

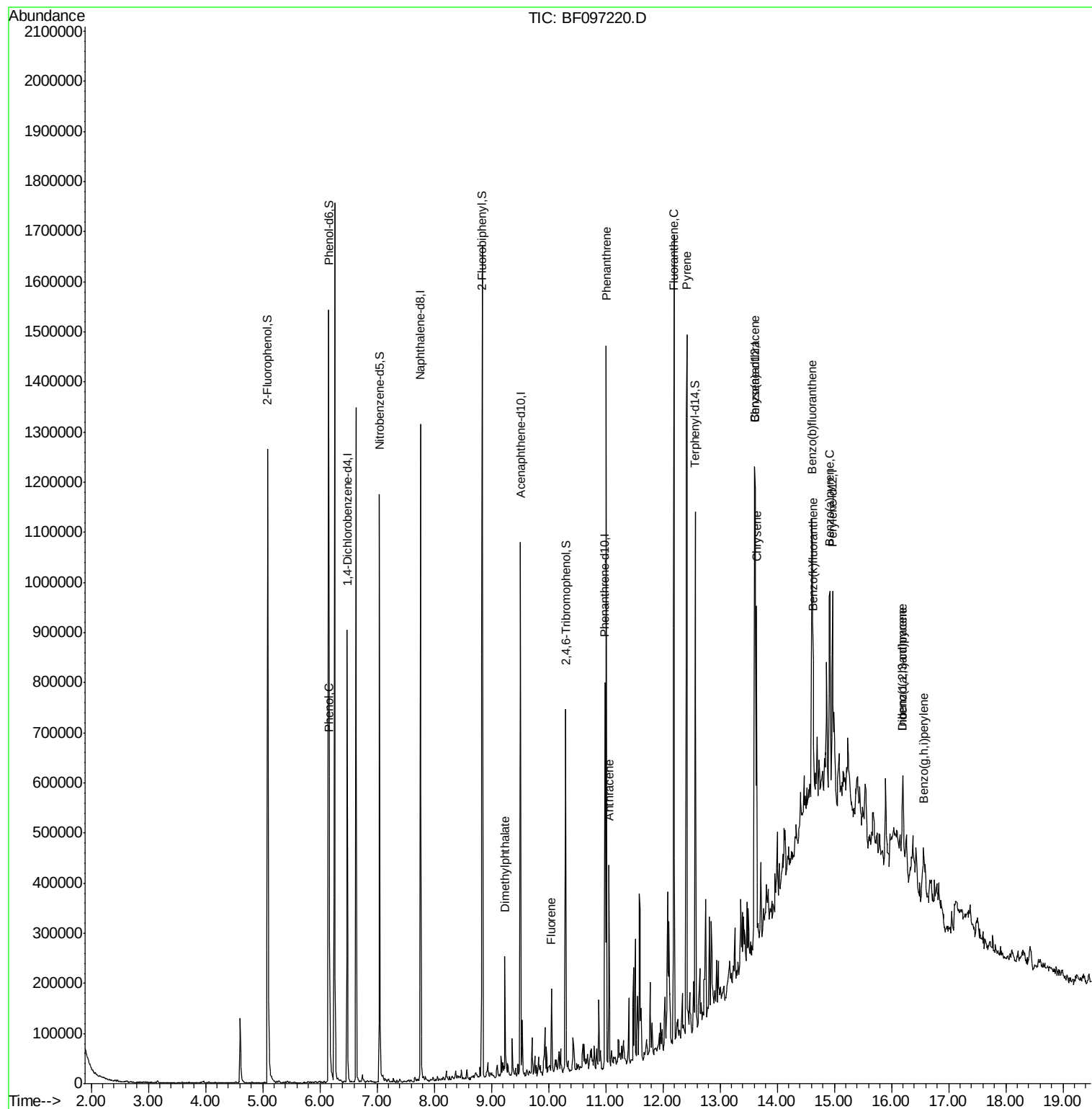
Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
Data File : BF097220.D
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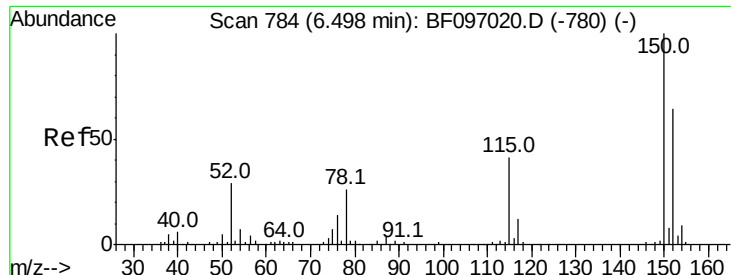
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#1

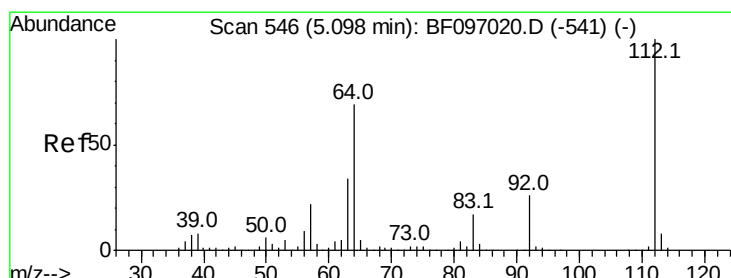
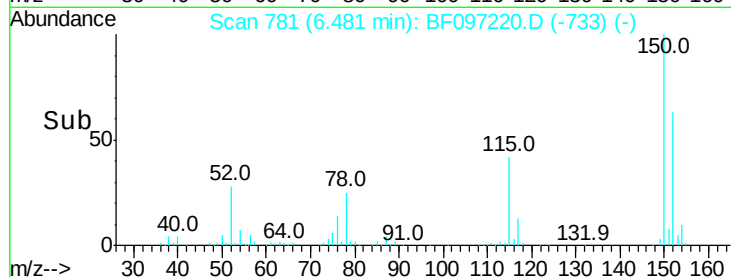
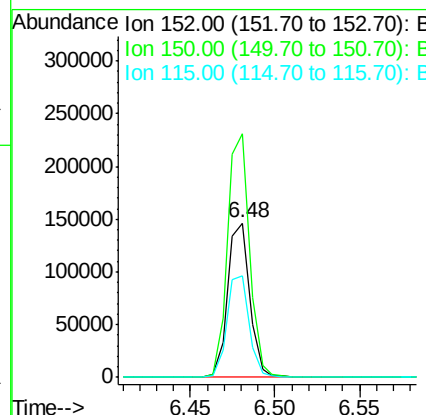
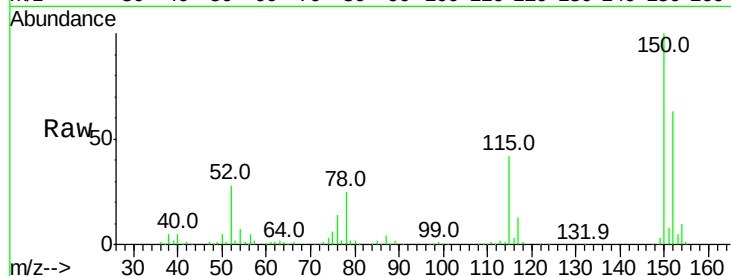
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.2	189.2
115	65.4	52.2	78.2

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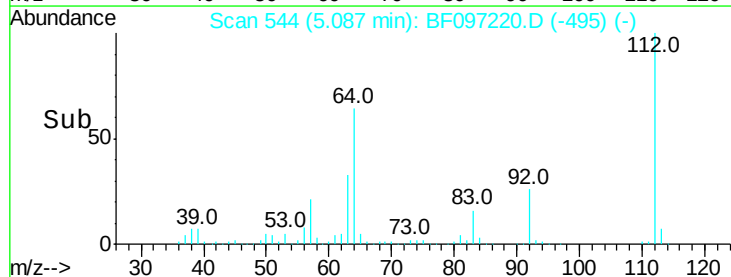
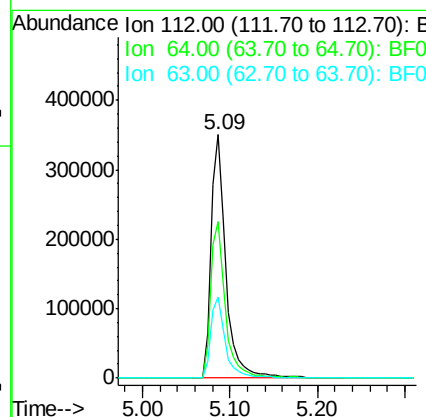
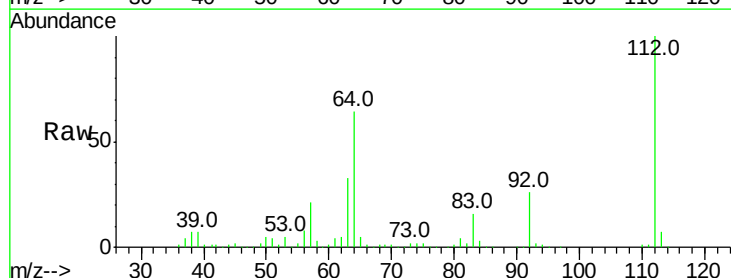
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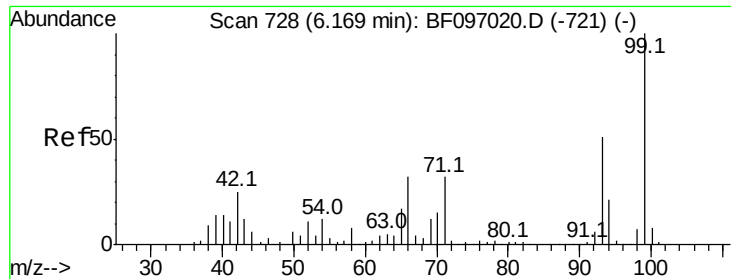


#5

2-Fluorophenol
Concen: 46.379 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	46.0	69.0
63	33.4	23.4	35.0





#7

Phenol-d6

Concen: 55.913 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097220.D

Acq: 31 Jul 2017 20:56

Instrument :

BNA_F

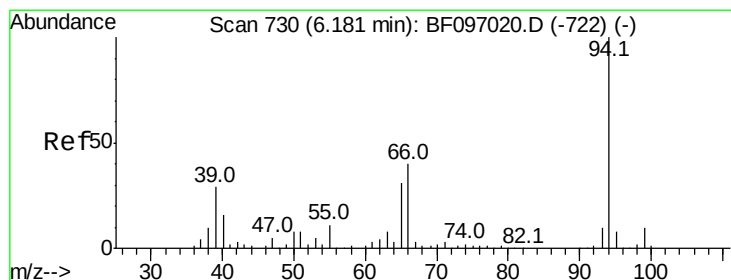
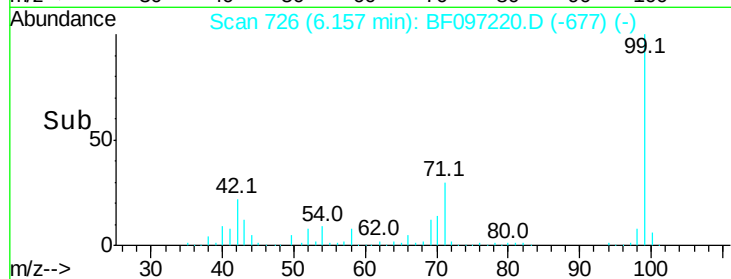
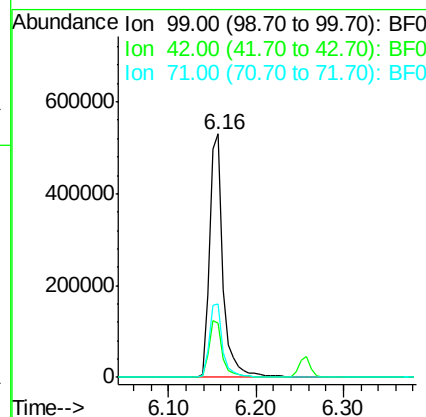
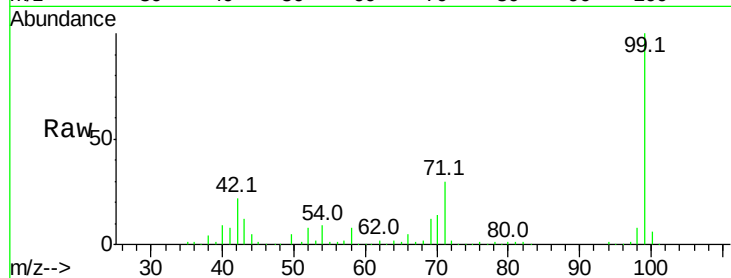
ClientSampleId :

CL-02-072717-C

Tot Ion	Ratio	Resp	Lower	Upper
99	100	568447		
42	22.1		13.5	20.3#
71	30.0		24.5	36.7

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#10

Phenol

Concen: 2.522 ng

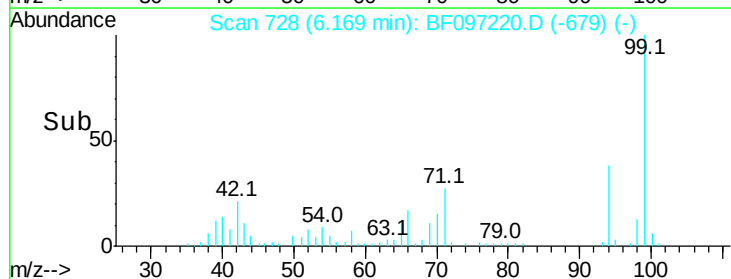
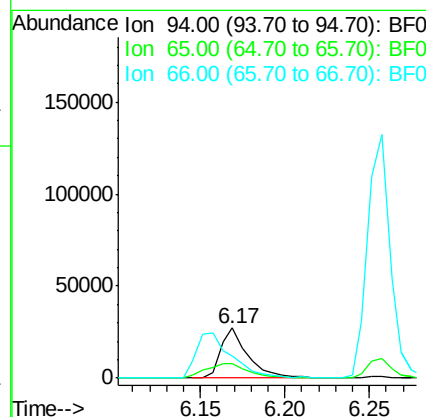
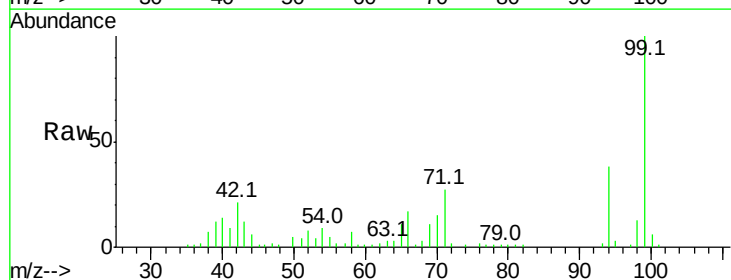
RT: 6.17 min Scan# 728

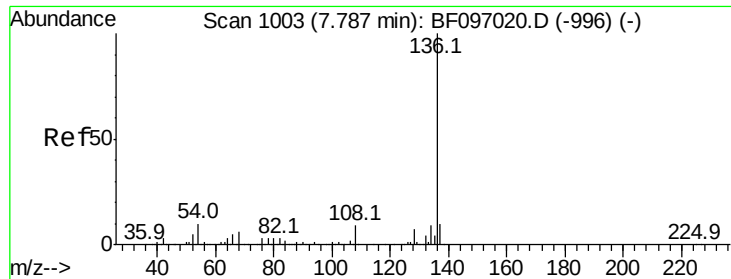
Delta R.T. -0.01 min

Lab File: BF097220.D

Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	30414		
65	28.4		9.9	49.9
66	43.4		23.1	63.1





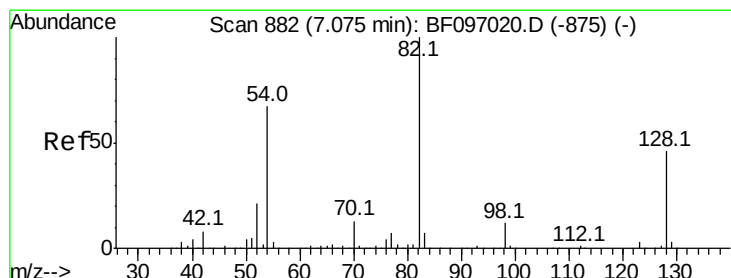
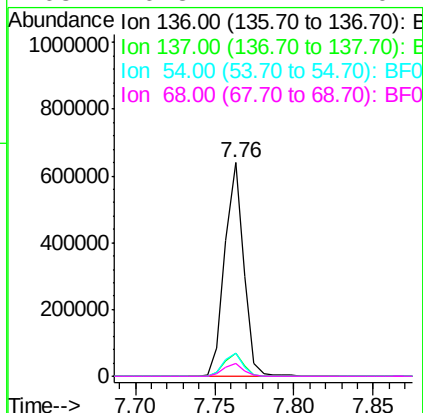
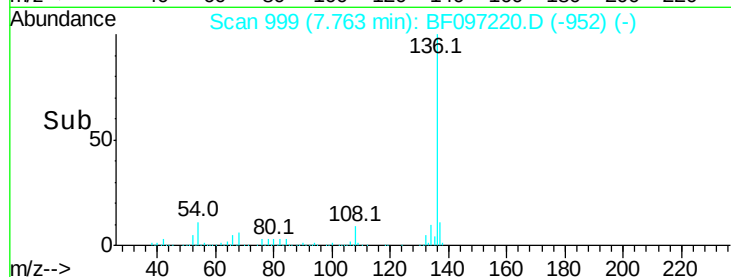
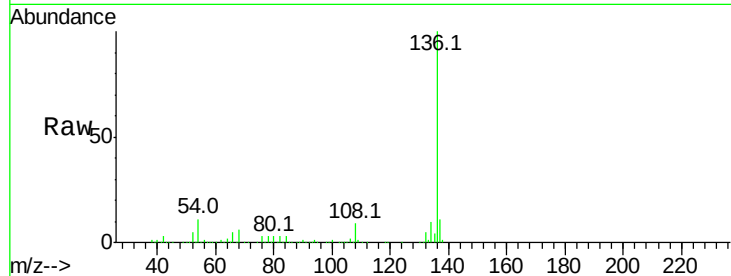
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.76 min Scan# 999
Delta R.T. -0.02 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-C

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.5	12.7	
54	10.9	4.9	7.3#	
68	6.3	4.1	6.1#	

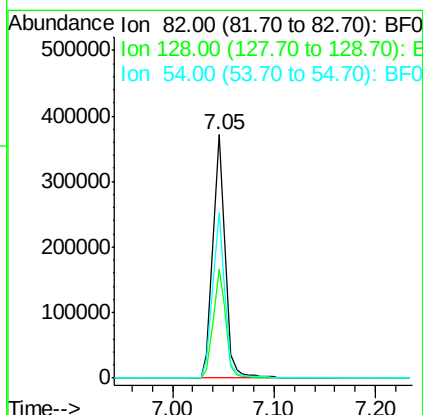
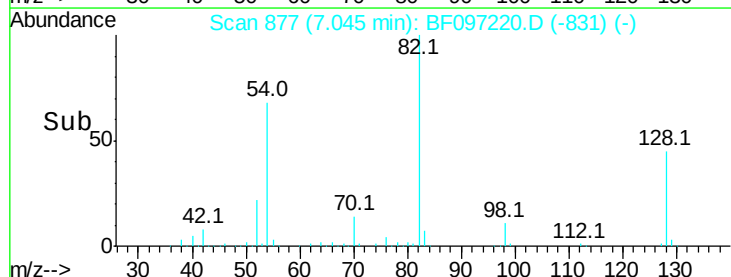
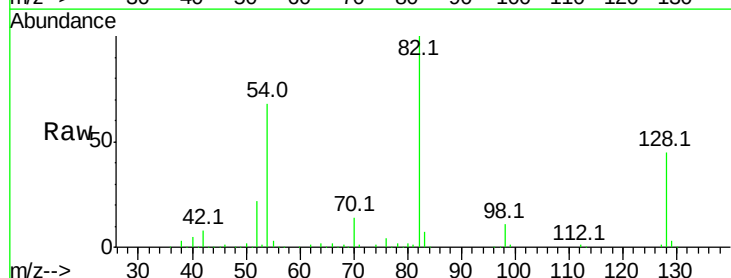
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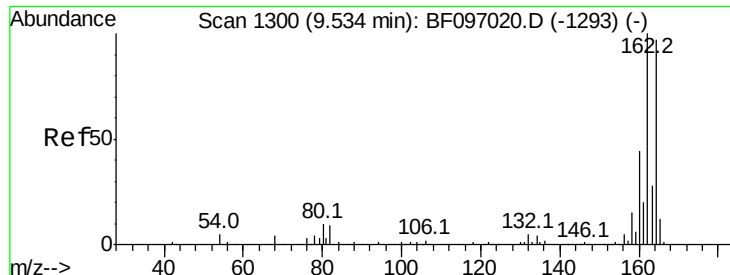
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#23
Nitrobenzene-d5
Concen: 35.675 ng
RT: 7.05 min Scan# 877
Delta R.T. -0.03 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.8	34.0	51.0	
54	67.7	42.2	63.2#	





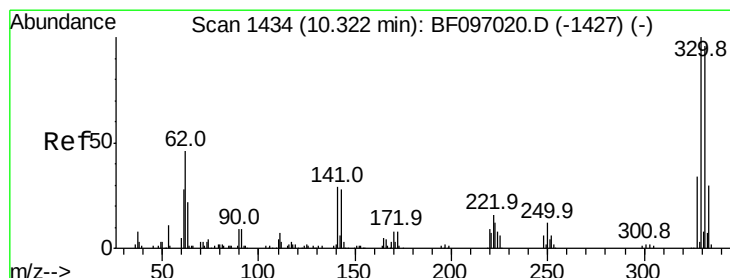
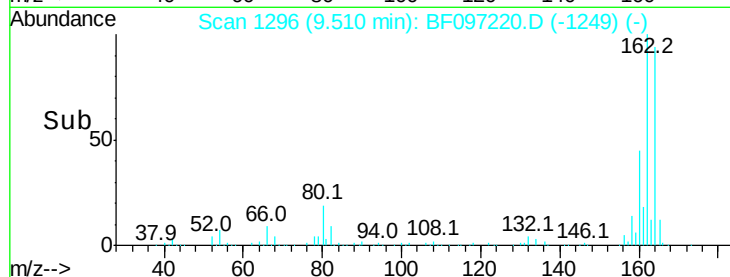
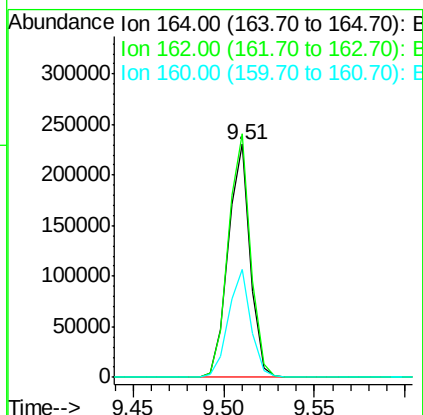
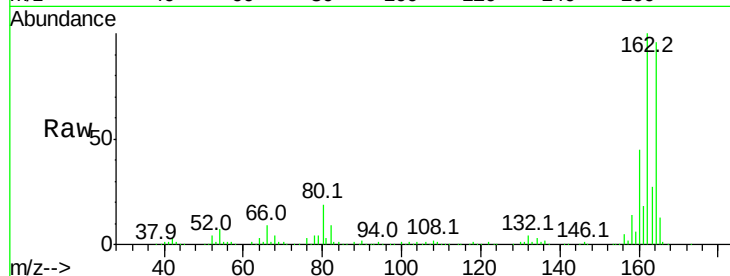
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF097220.D
 Acq: 31 Jul 2017 20:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-C

Tot Ion	Ratio	Resp	Lower	Upper
164	100	194553		
162	104.5	82.6	123.8	
160	46.5	36.2	54.2	

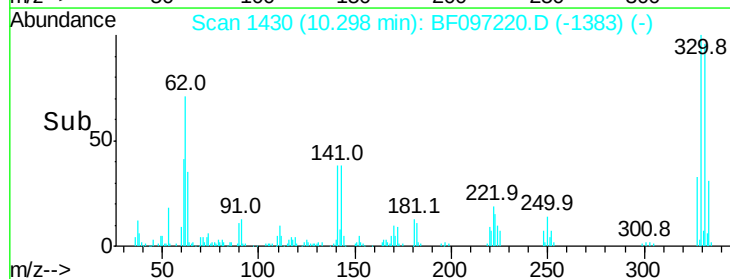
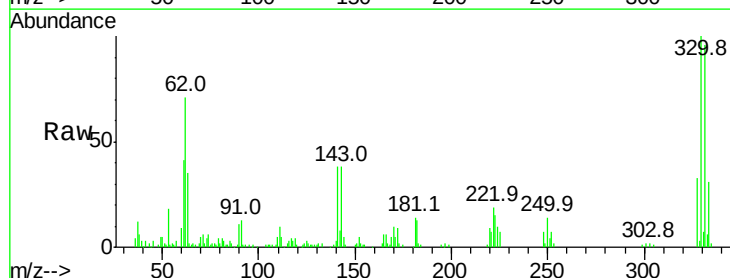
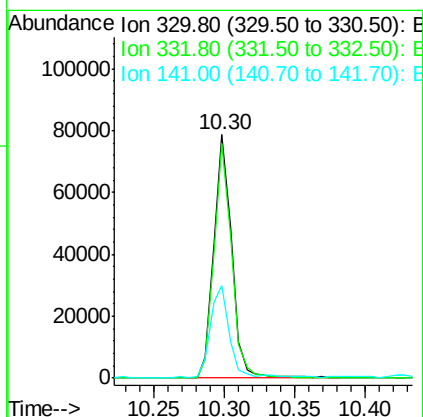
Manual Integrations
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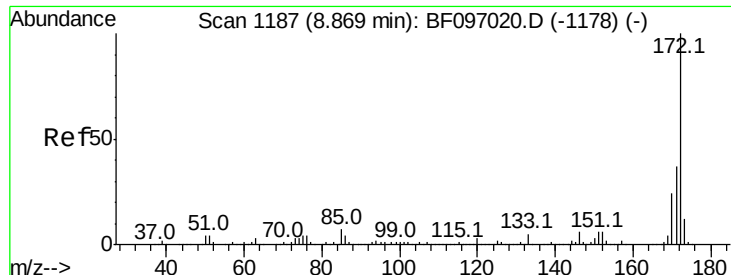
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#41
 2,4,6-Tribromophenol
 Concen: 45.309 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097220.D
 Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	69647		
332	94.9	76.6	115.0	
141	41.9	31.4	47.2	





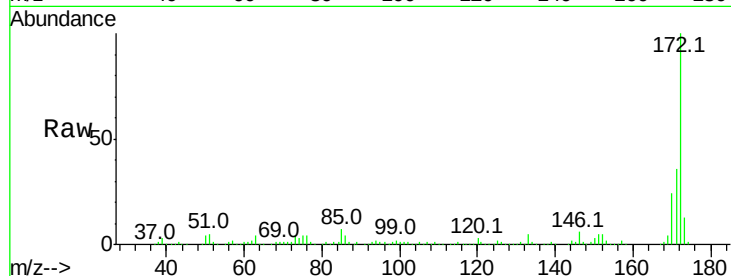
#44
2-Fluorobiphenyl
Concen: 40.834 ng
RT: 8.84 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-C

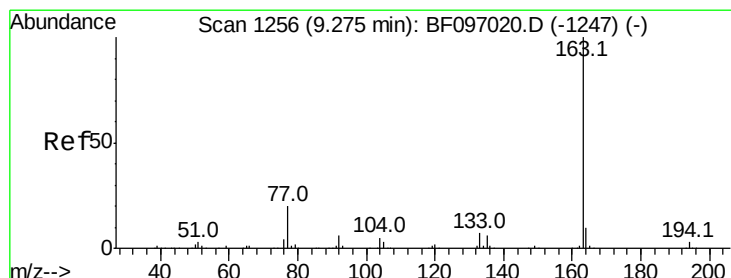
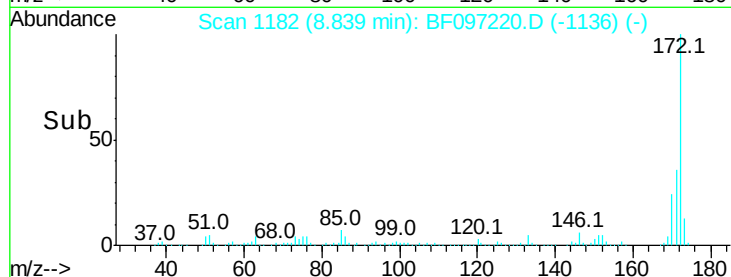
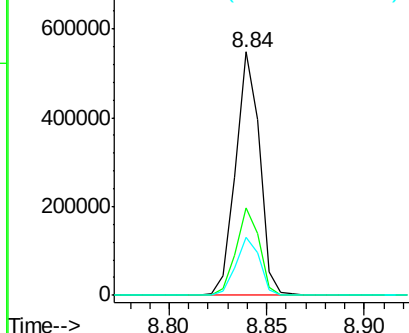
Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.1	19.8	29.8

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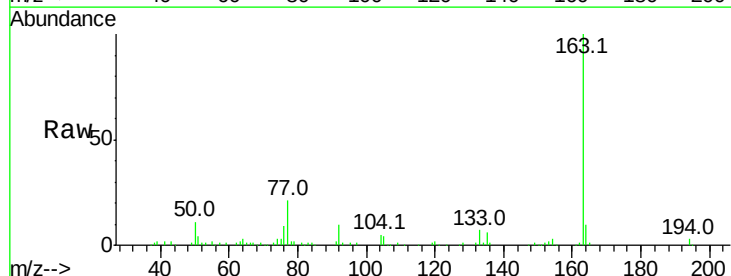


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

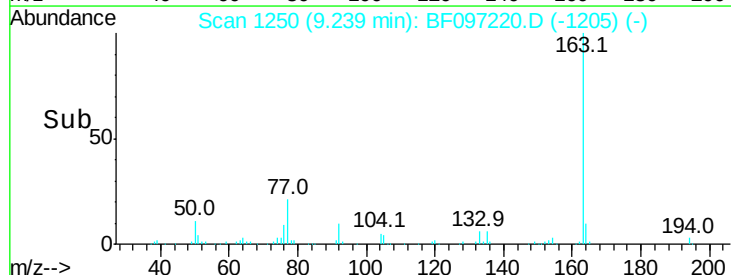
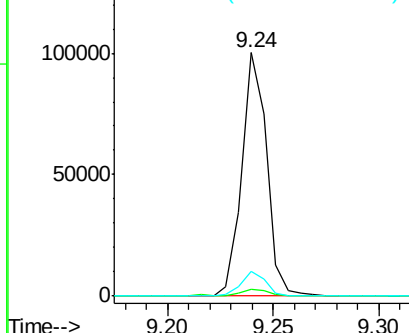


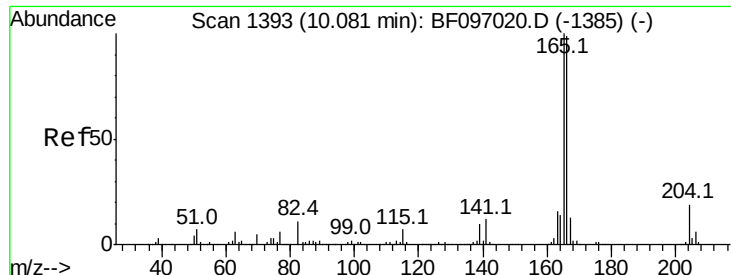
#49
Dimethylphthalate
Concen: 5.534 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	2.8	2.6	4.0
164	10.1	8.4	12.6



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





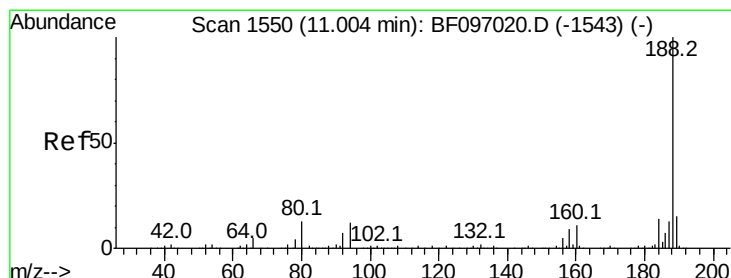
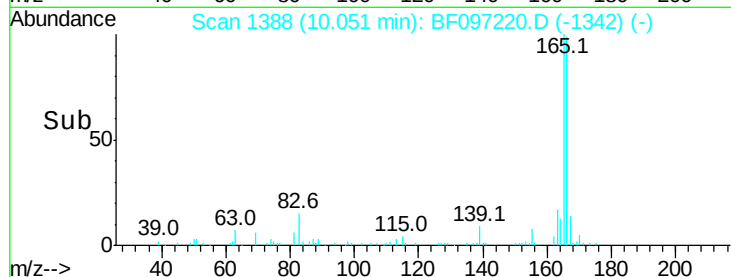
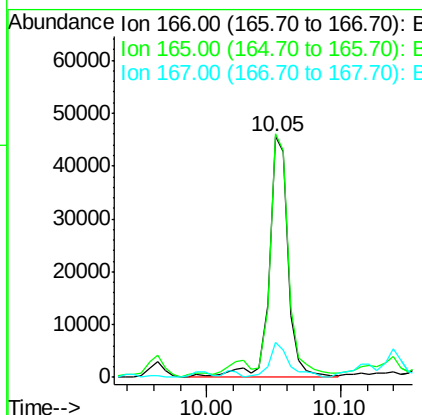
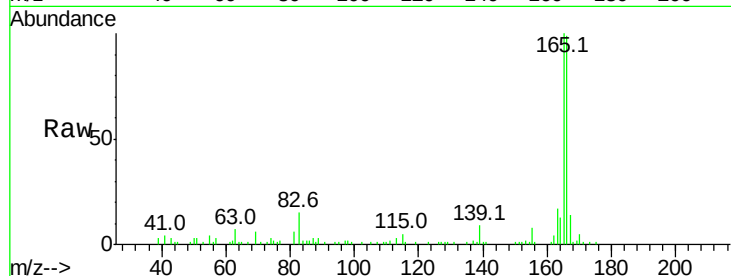
#57
Fluorene
 Concen: 4.110 ng
 RT: 10.05 min Scan# 1388
 Delta R.T. -0.03 min
 Lab File: BF097220.D
 Acq: 31 Jul 2017 20:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-C

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.2	78.8	118.2
167	14.3	10.6	16.0

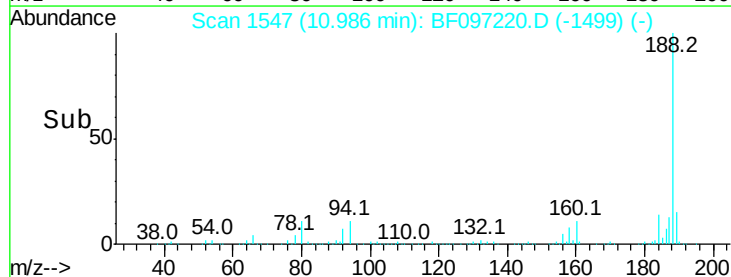
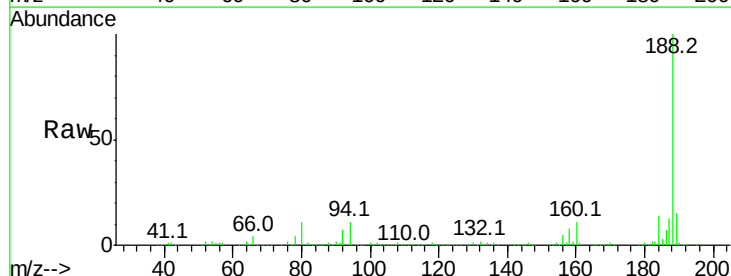
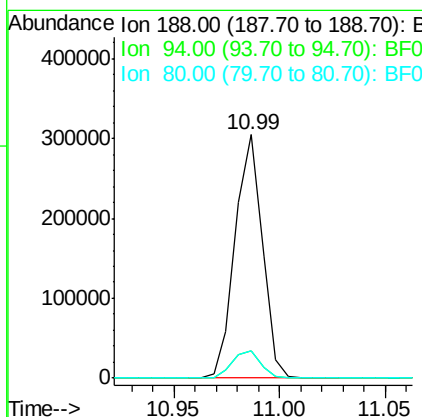
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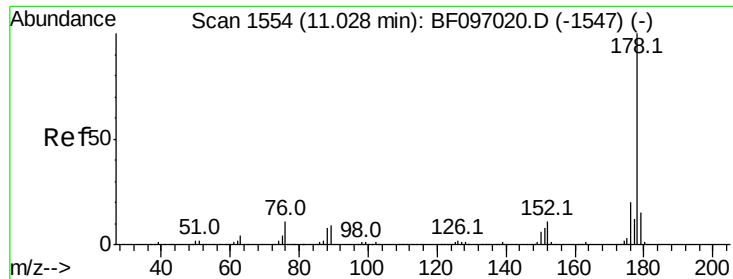
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097220.D
 Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	11.2	10.2	15.2





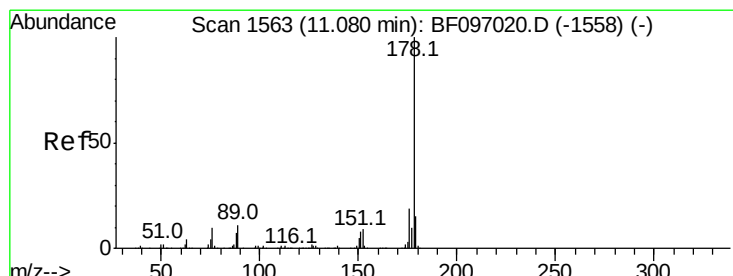
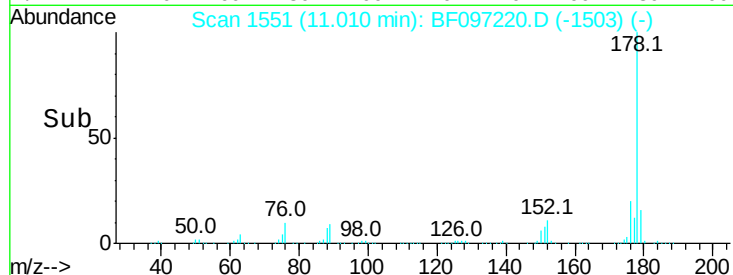
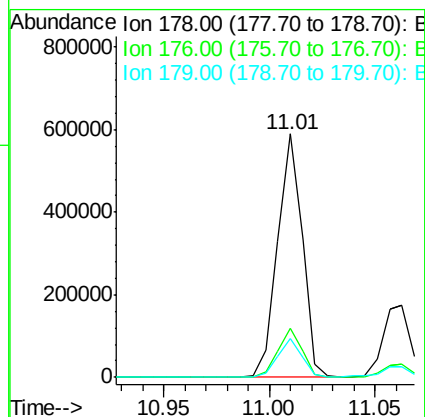
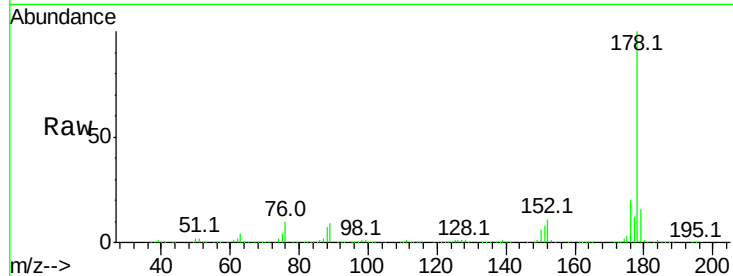
#70
Phenanthrene
Concen: 33.192 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-C

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	15.9	12.6	19.0

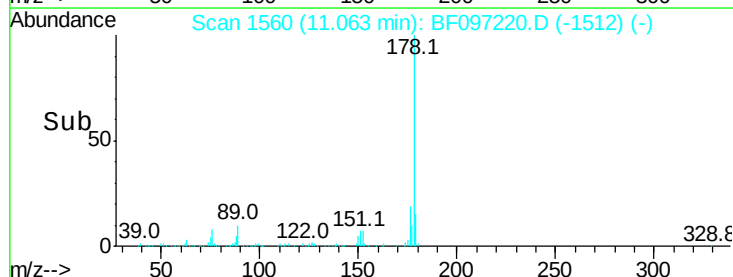
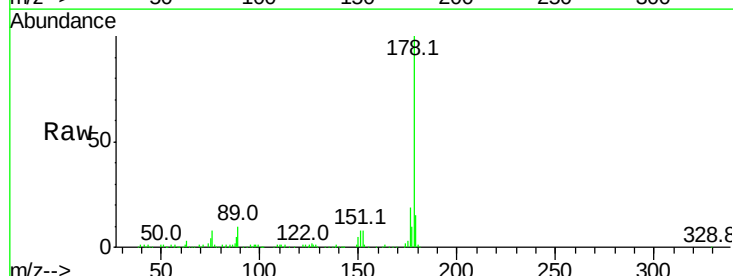
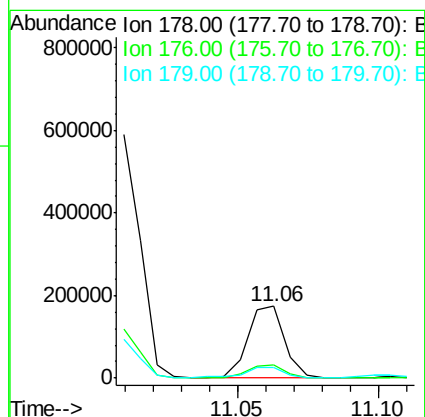
Manual Integrations
APPROVED

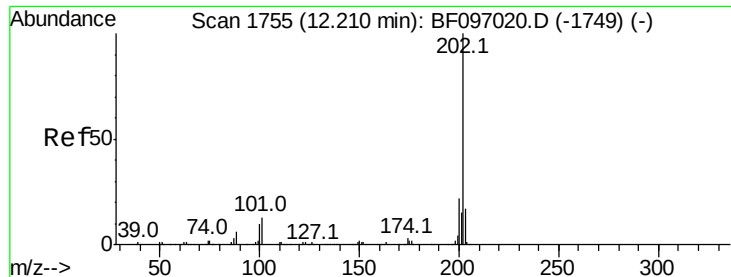
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#71
Anthracene
Concen: 10.579 ng
RT: 11.06 min Scan# 1560
Delta R.T. -0.02 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.1	12.7	19.1





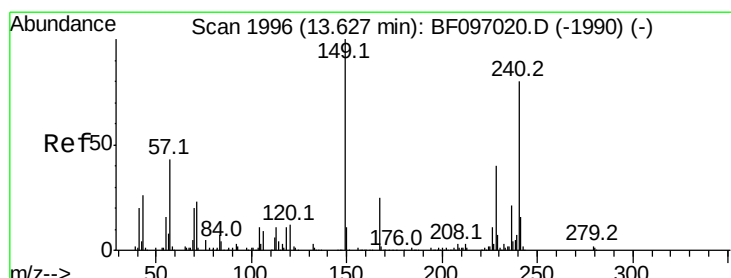
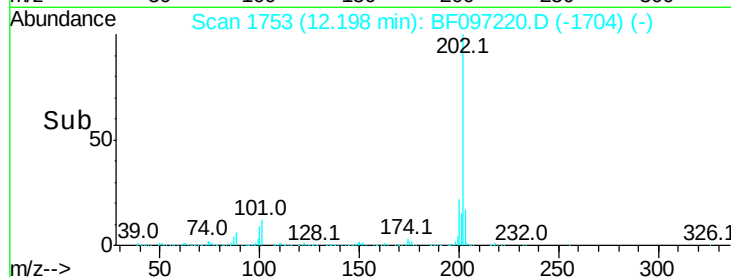
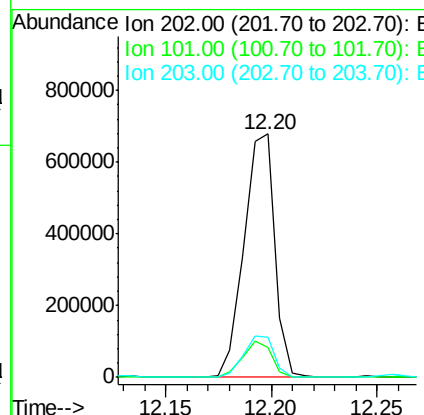
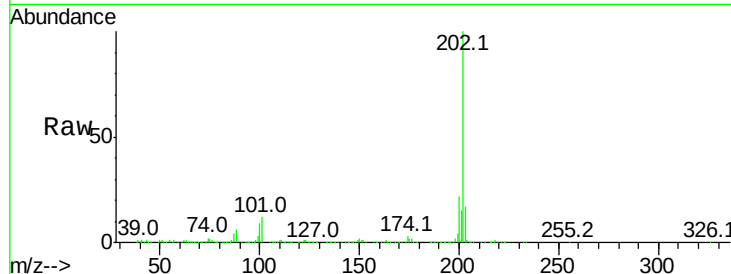
#74
Fluoranthene
Concen: 47.780 ng
RT: 12.20 min Scan# 1753
Delta R.T. -0.01 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	33.2
203	16.7	0.0	38.1

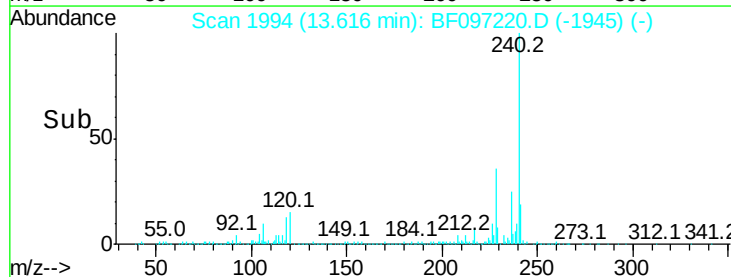
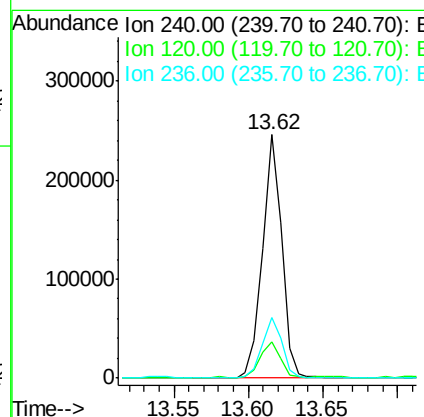
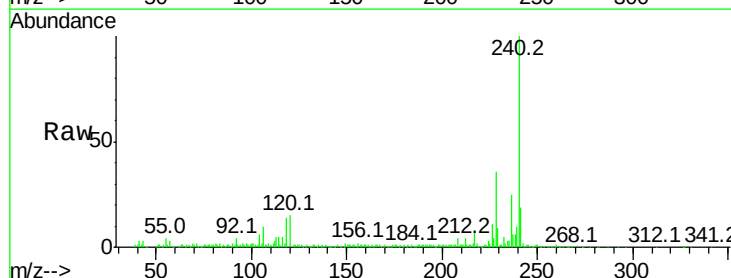
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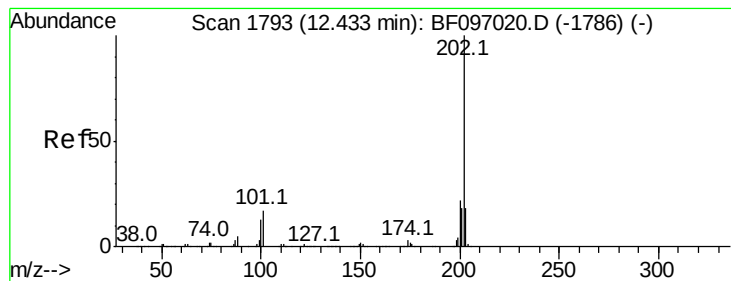
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.62 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	25.1	20.5	30.7





#77

Pvrene

Concen: 32.276 ng

RT: 12.42 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF097220.D

Acq: 31 Jul 2017 20:56

Instrument :

BNA_F

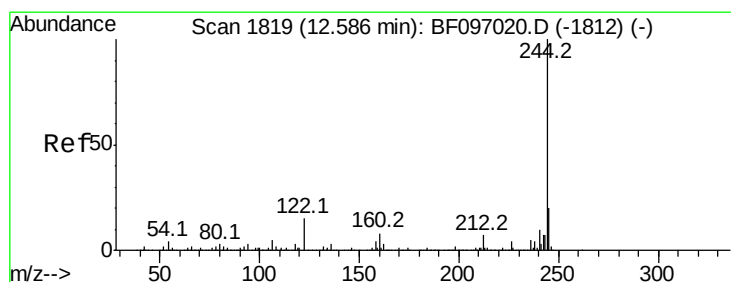
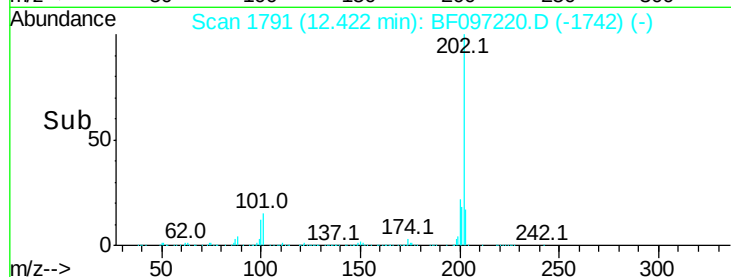
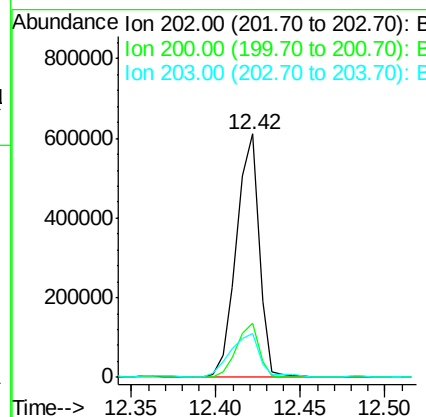
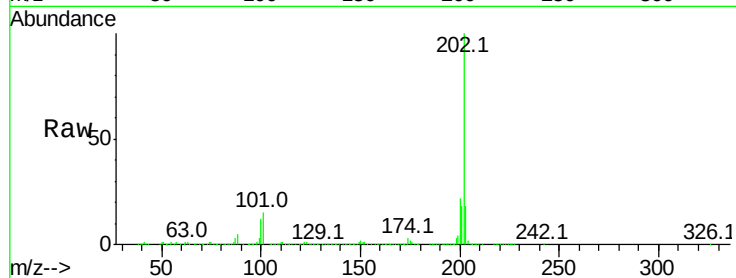
ClientSampleId :

CL-02-072717-C

Tot Ion:	202	Resp:	572302
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.6	26.4
203	17.8	14.4	21.6

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#78

Terphenyl-d14

Concen: 26.843 ng

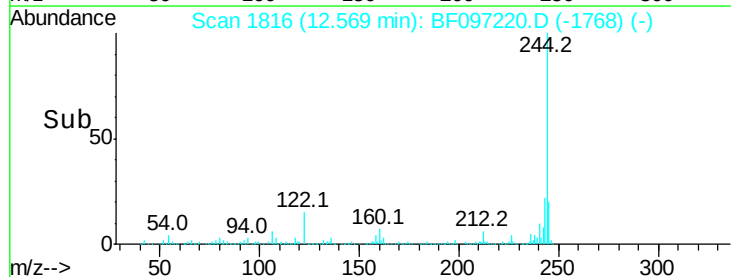
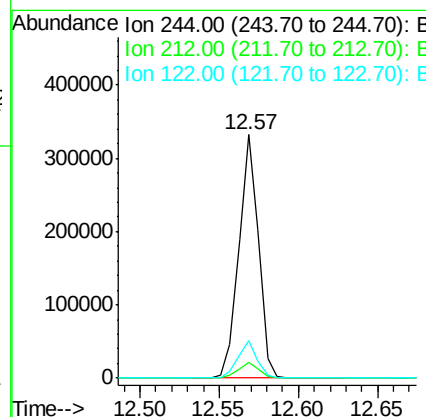
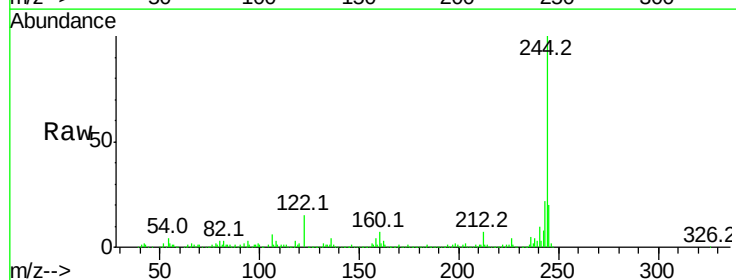
RT: 12.57 min Scan# 1816

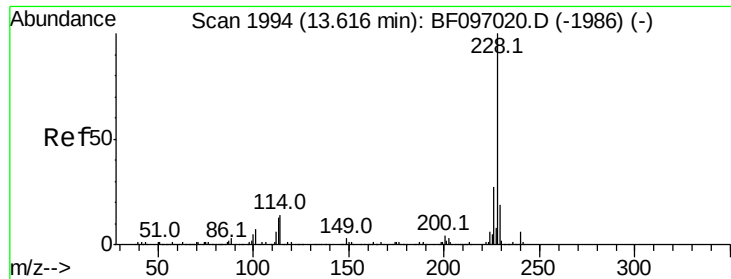
Delta R.T. -0.02 min

Lab File: BF097220.D

Acq: 31 Jul 2017 20:56

Tgt Ion:	244	Resp:	285160
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.0	9.0
122	15.4	10.3	15.5





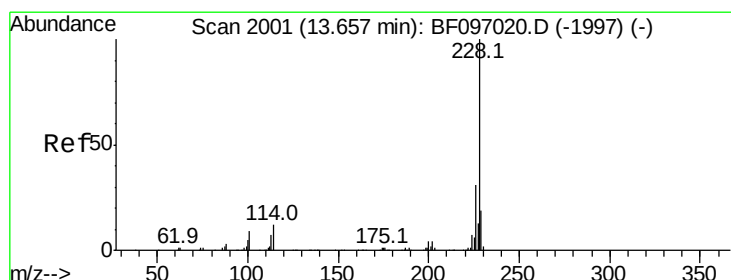
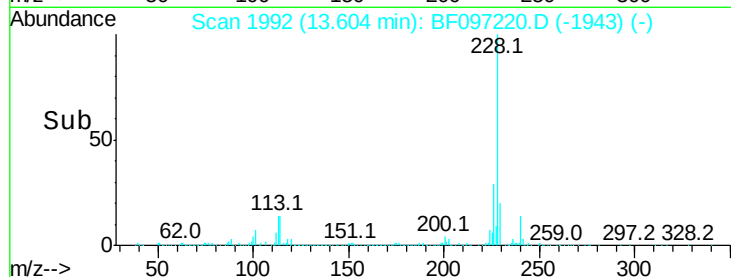
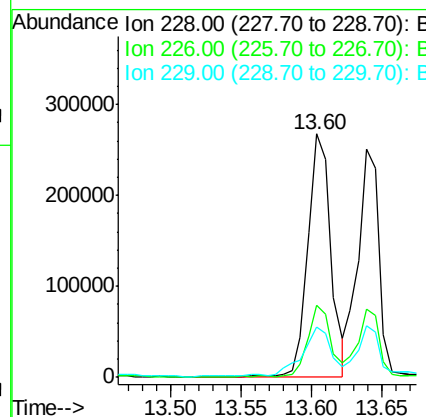
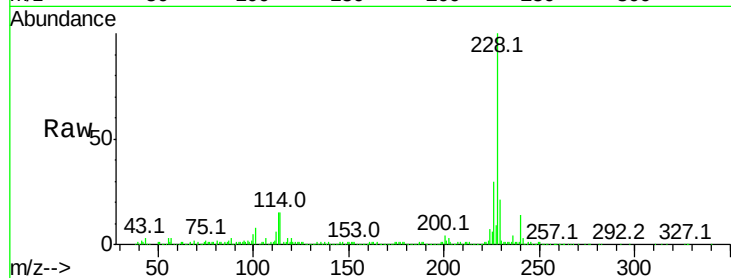
#80
Benzo(a)anthracene
Concen: 21.524 ng
RT: 13.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.8	16.3	24.5

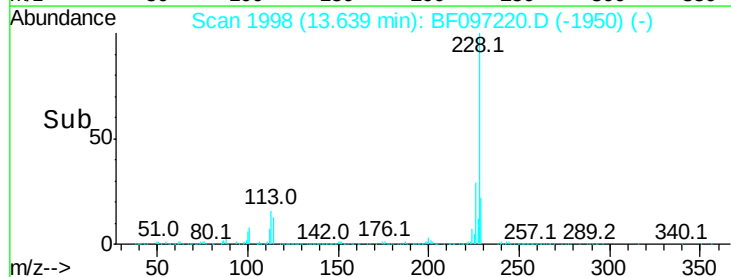
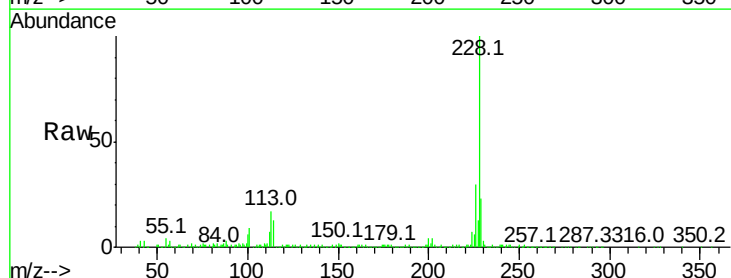
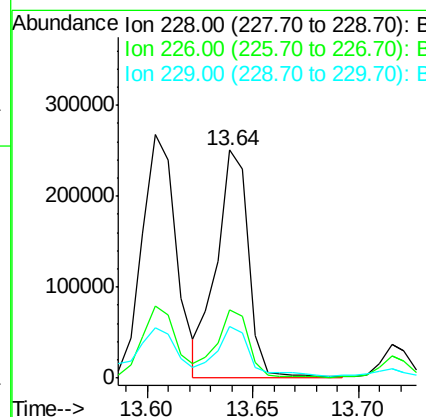
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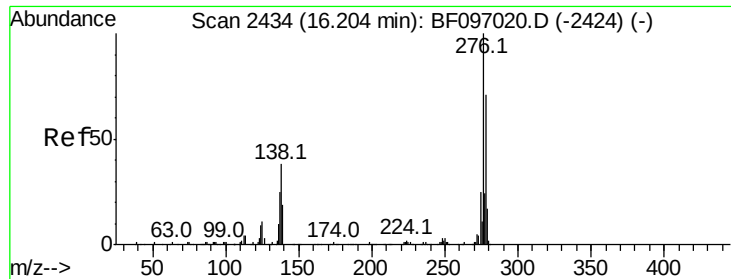
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#82
Chrysene
Concen: 19.093 ng
RT: 13.64 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.7	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.597 ng

RT: 16.20 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BF097220.D

Acq: 31 Jul 2017 20:56

Instrument :

BNA_F

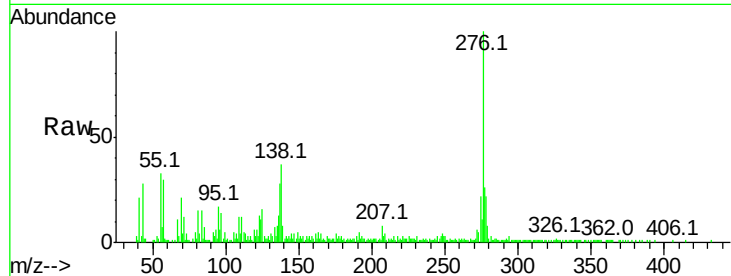
ClientSampleId :

CL-02-072717-C

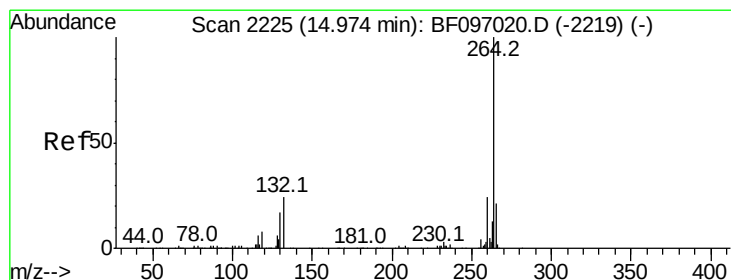
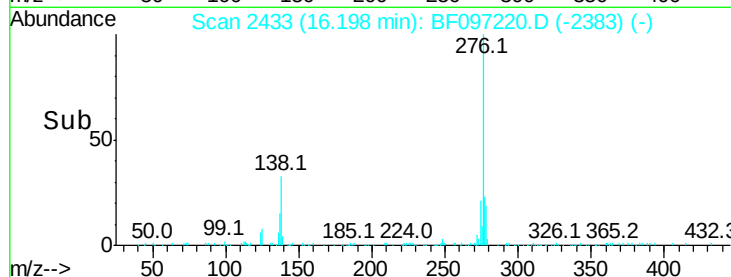
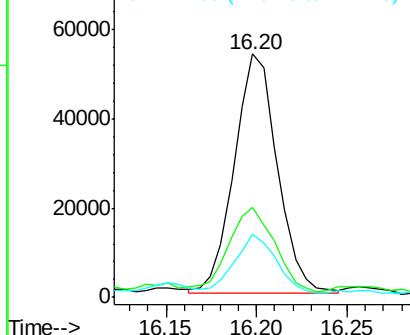
Tot Ion:	276	Resp:	89150
Ion Ratio	Lower	Upper	
276	100		
138	37.5	27.8	41.6
277	23.9	20.2	30.4

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

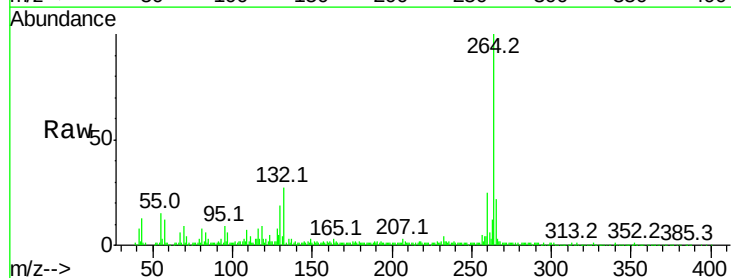
RT: 14.97 min Scan# 2224

Delta R.T. -0.01 min

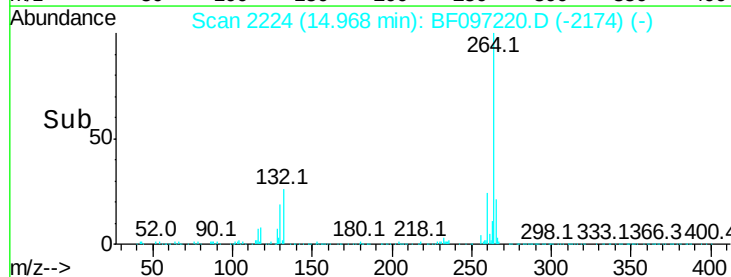
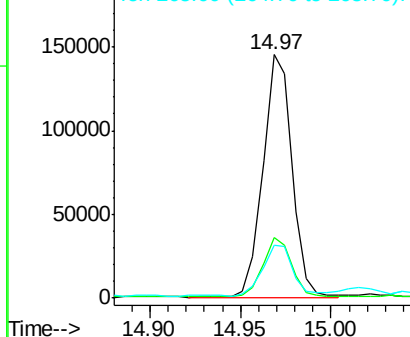
Lab File: BF097220.D

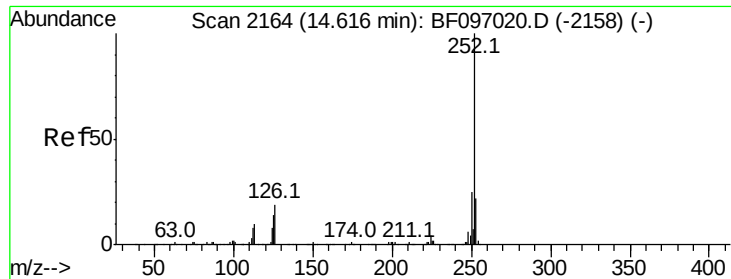
Acq: 31 Jul 2017 20:56

Tgt Ion:	264	Resp:	161343
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.5	29.3
265	21.7	17.2	25.8



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





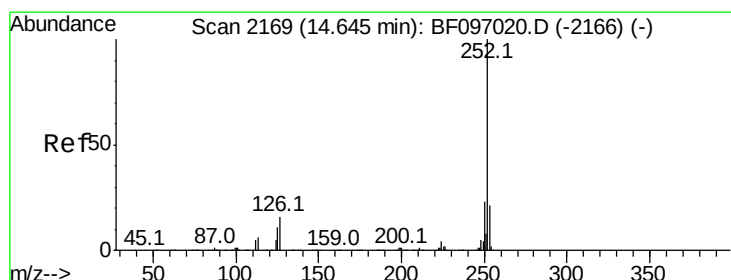
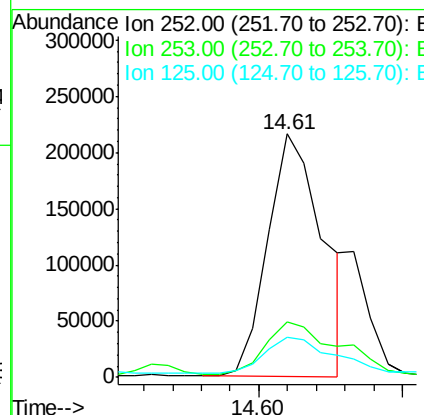
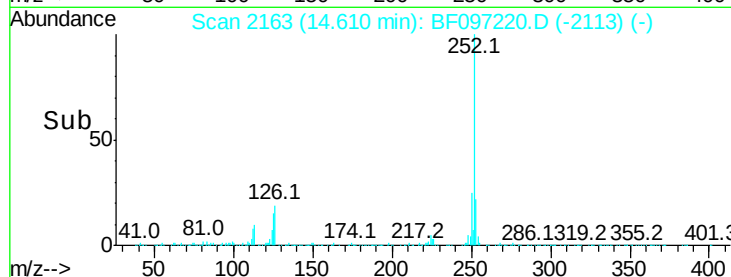
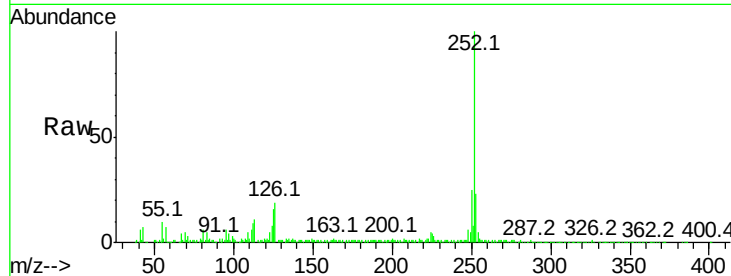
#87
Benzo(b)fluoranthene
Concen: 29.649 ng m
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Instrument :
BNA_F
ClientSampleId :
CL-02-072717-C

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	18.1	27.1
125	16.5	9.8	14.8

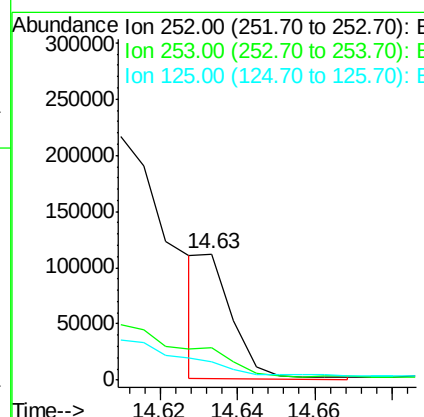
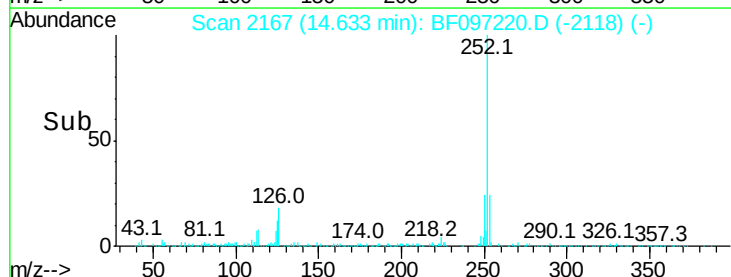
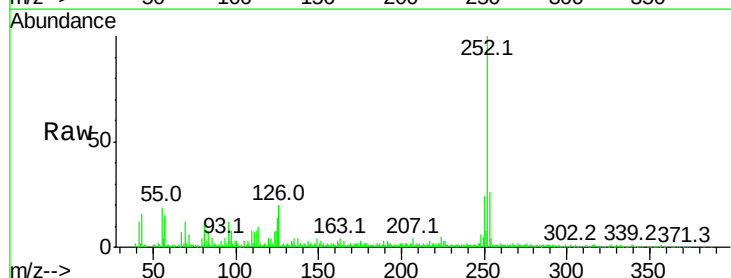
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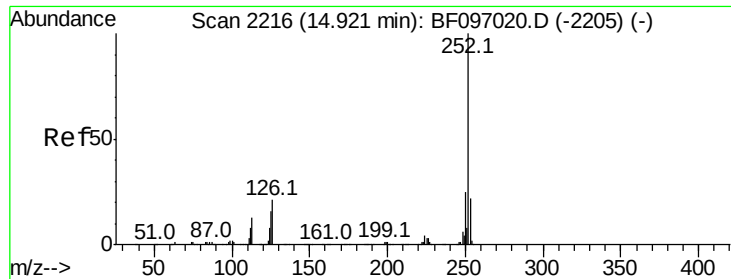
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#88
Benzo(k)fluoranthene
Concen: 6.948 ng m
RT: 14.63 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BF097220.D
Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.7	18.4	27.6
125	14.3	13.1	19.7





#89

Benzo(a)pyrene

Concen: 19.380 ng

RT: 14.92 min Scan# 2216

Delta R.T. 0.00 min

Lab File: BF097220.D

Acq: 31 Jul 2017 20:56

Instrument :

BNA_F

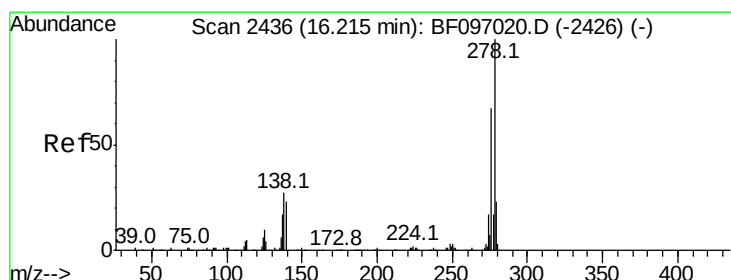
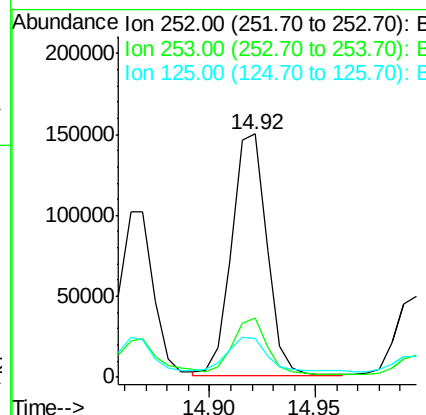
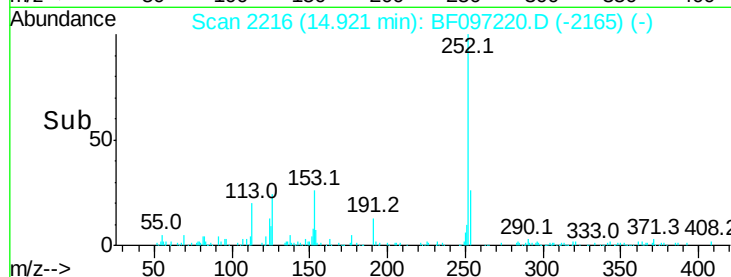
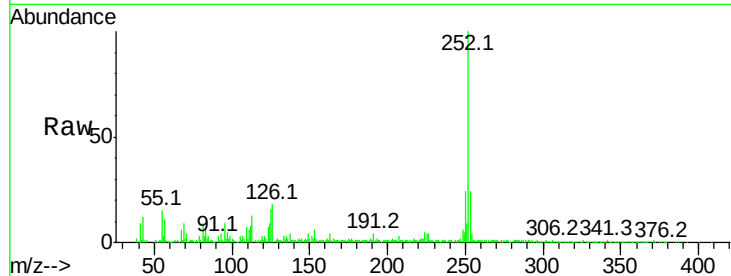
ClientSampleId :

CL-02-072717-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	16.0	11.0	16.4

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#90

Dibenzo(a,h)anthracene

Concen: 3.431 ng m

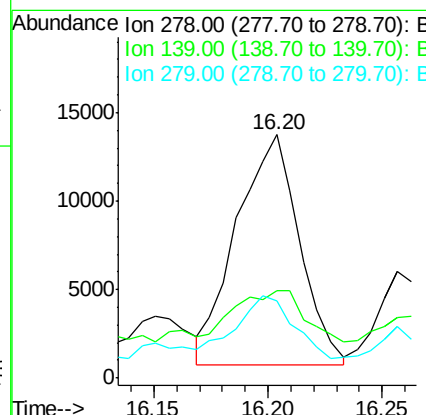
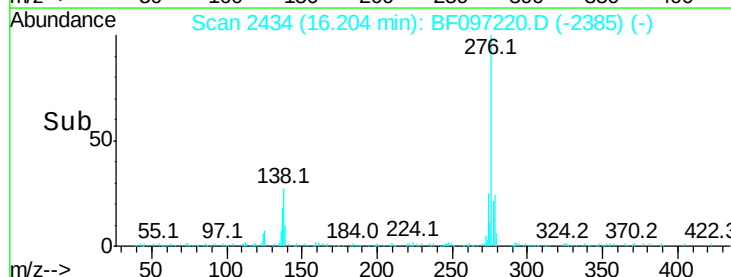
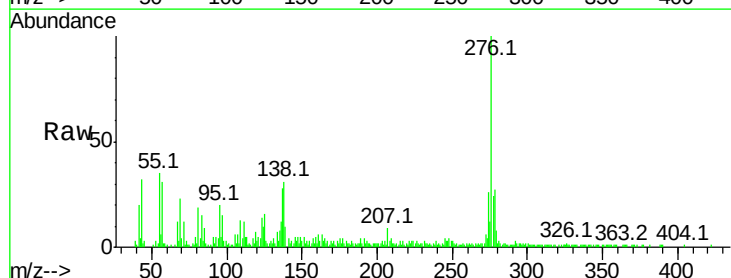
RT: 16.20 min Scan# 2434

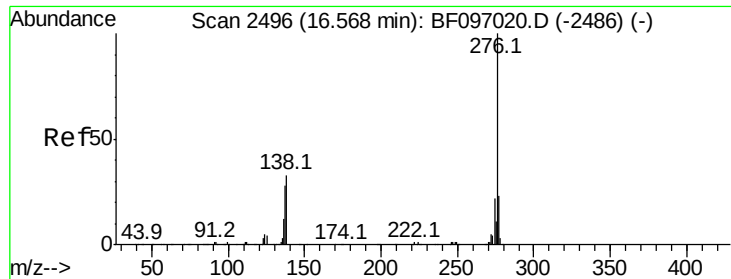
Delta R.T. -0.01 min

Lab File: BF097220.D

Acq: 31 Jul 2017 20:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	35.9	16.6	24.8#
279	31.5	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 9.951 ng
 RT: 16.56 min Scan# 2495
 Delta R.T. -0.01 min
 Lab File: BF097220.D
 Acq: 31 Jul 2017 20:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-C

Tot Ion:	276	Resp:	75957
Ion Ratio		Lower	Upper
276	100		
277	24.0	18.6	28.0
138	35.6	25.4	38.0

Manual Integrations
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