

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092917\
 Data File : BF098944.D
 Acq On : 29 Sep 2017 12:34
 Operator : SJ/JU
 Sample : I5515-01DL 25X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-092817DL

Manual Integrations
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Sohil
 10/2/2017 5:38:44 PM

Quant Time: Sep 29 16:45:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	150740	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	610116	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	257166	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	382843	20.00	ng	0.00
75) Chrysene-d12	14.08	240	222529	20.00	ng	0.00
86) Perylene-d12	15.57	264	255670	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	34937	3.69	ng	-0.02
7) Phenol-d6	6.53	99	44648	3.82	ng	-0.02
23) Nitrobenzene-d5	7.47	82	24849	2.61	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	5502	2.61	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	51099	3.32	ng	-0.01
78) Terphenyl-d14	13.02	244	29999	3.07	ng	-0.02
Target Compounds						
31) Naphthalene	8.22	128	138722	4.841	ng	99
51) Acenaphthene	9.99	154	61112	3.798	ng	98
54) Dibenzofuran	10.16	168	75182	3.509	ng	100
57) Fluorene	10.50	166	94900	5.511	ng	95
70) Phenanthrene	11.47	178	591982	28.888	ng	99
71) Anthracene	11.52	178	192901	9.200	ng	99
72) Carbazole	11.67	167	64820	3.157	ng	98
74) Fluoranthene	12.66	202	560392	27.006	ng	98
77) Pyrene	12.89	202	447395	26.366	ng	99
80) Benzo(a)anthracene	14.07	228	192501	14.286	ng	99
82) Chrysene	14.10	228	157237	12.257	ng	97
85) Indeno(1,2,3-cd)pyrene	17.08	276	99794	9.725	ng	100
87) Benzo(b)fluoranthene	15.13	252	220313m	14.015	ng	
88) Benzo(k)fluoranthene	15.16	252	74302m	4.786	ng	
89) Benzo(a)pyrene	15.51	252	164861	11.425	ng	96
90) Dibenzo(a,h)anthracene	17.09	278	25051m	2.169	ng	
91) Benzo(a,h,i)perylene	17.54	276	94923	8.316	ng	# 92

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

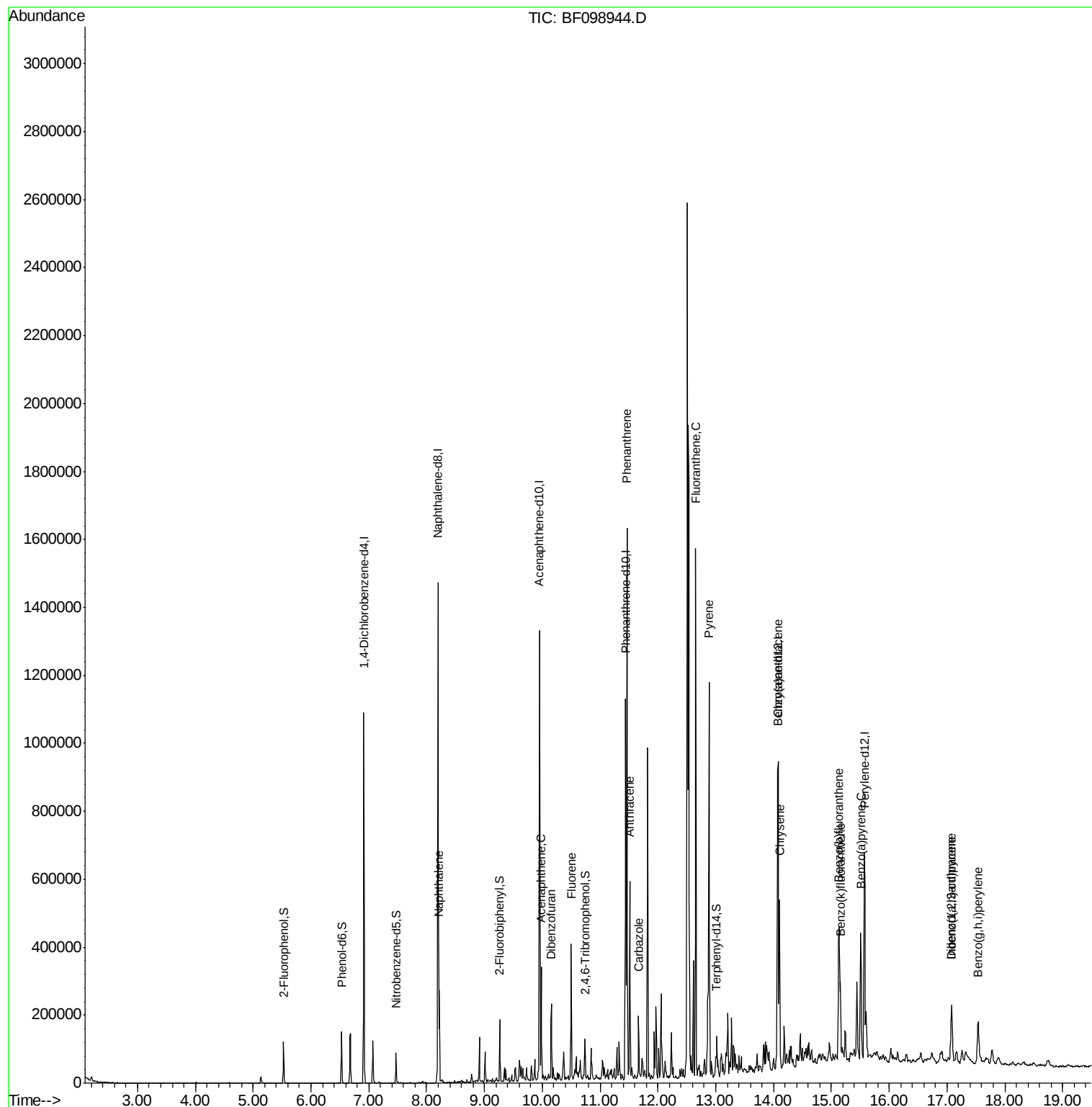
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092917\
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#1

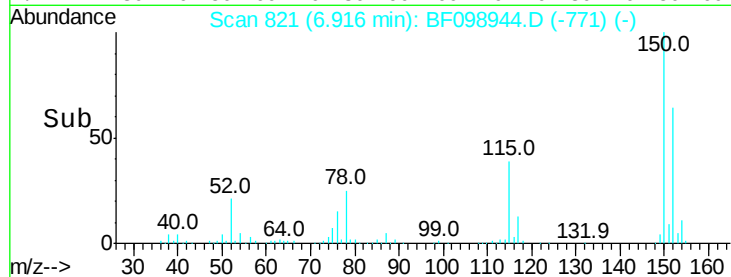
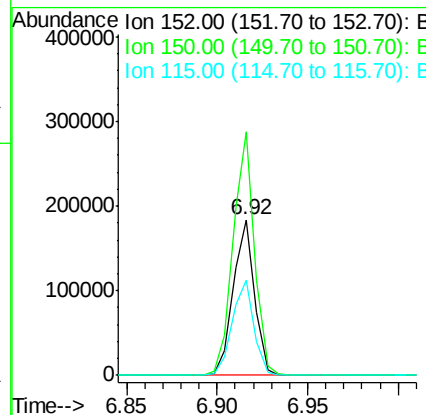
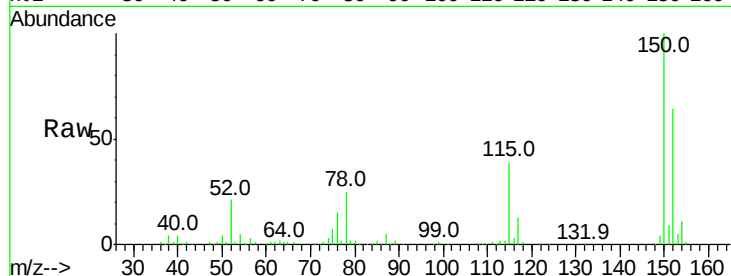
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Instrument :
BNA_F
ClientSampleId :
HD-02-092817DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	60.8	50.1	75.1

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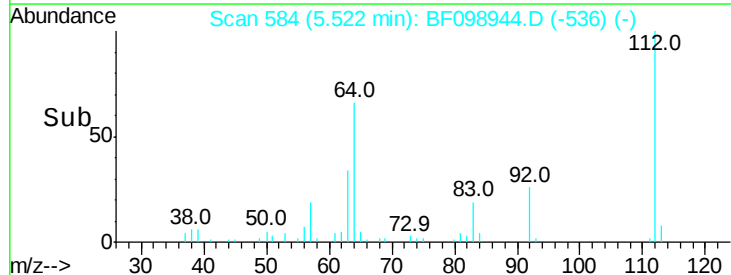
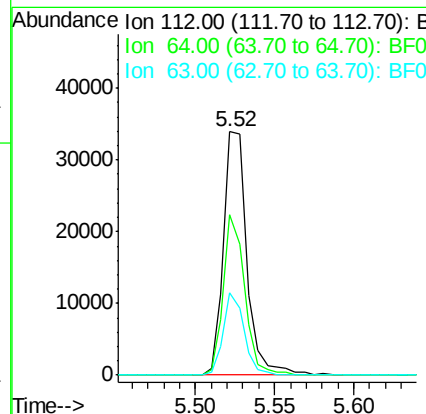
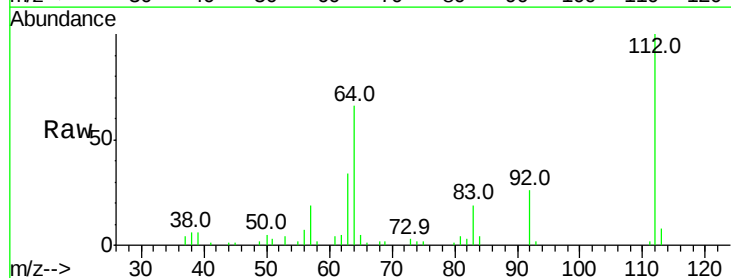
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#5

2-Fluorophenol
Concen: 3.690 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.7	47.9	71.9
63	34.0	23.7	35.5





#7

Phenol-d6

Concen: 3.822 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098944.D

Acq: 29 Sep 2017 12:34

Instrument :

BNA_F

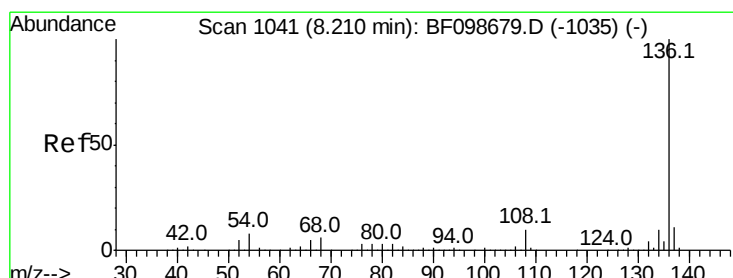
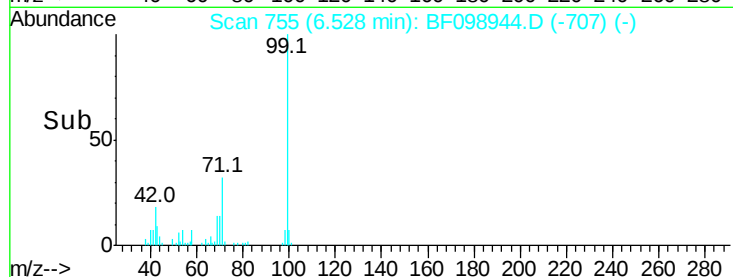
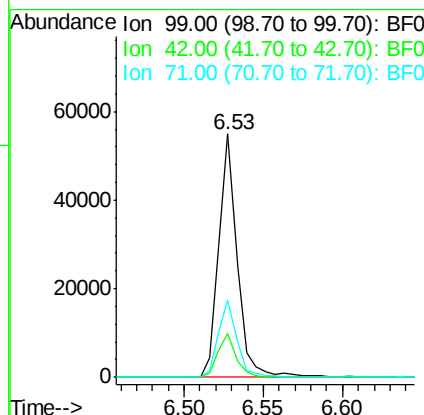
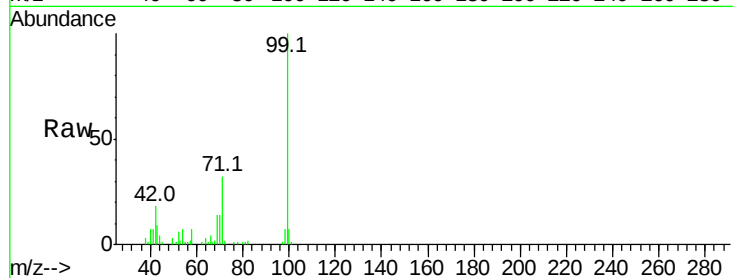
ClientSampleId :

HD-02-092817DL

Tot Ion:	99	Resp:	44648
Ion Ratio	Lower	Upper	
99	100		
42	18.2	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

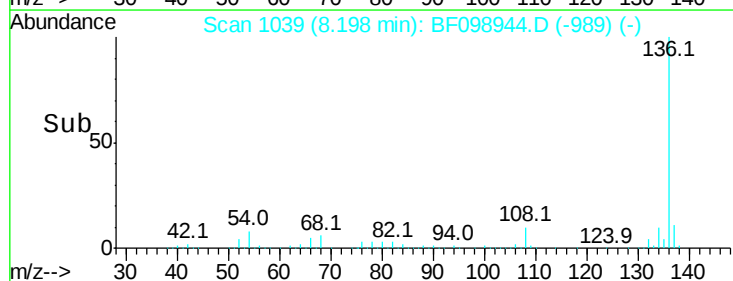
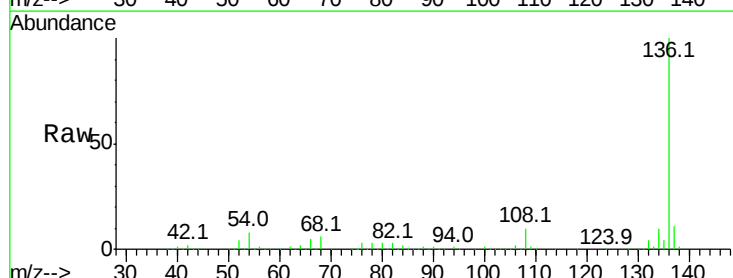
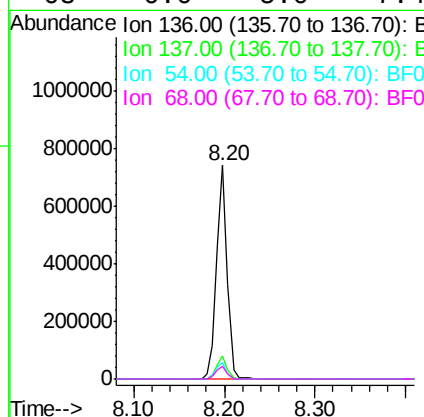
RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098944.D

Acq: 29 Sep 2017 12:34

Tgt Ion:	136	Resp:	610116
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.7	6.6	9.8
68	6.0	5.0	7.4





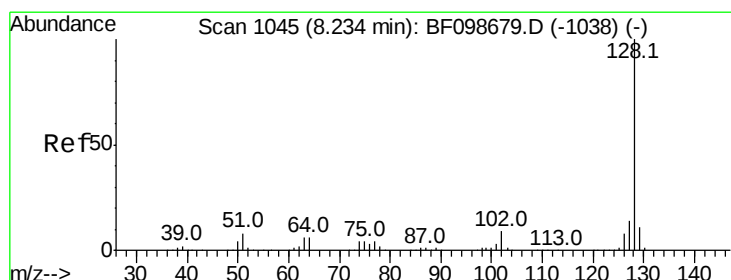
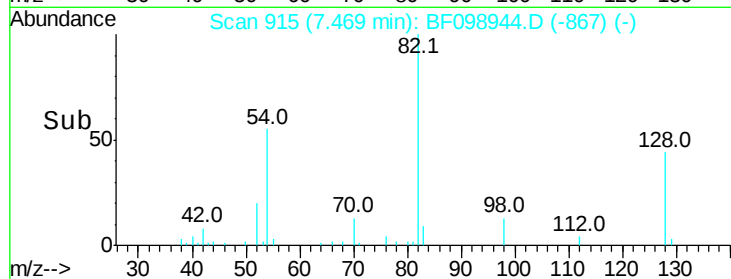
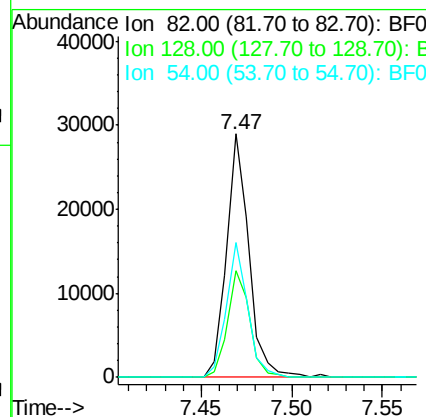
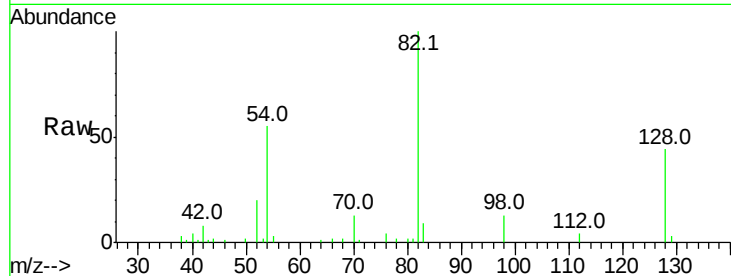
#23
Nitrobenzene-d5
Concen: 2.612 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Instrument :
BNA_F
ClientSampleId :
HD-02-092817DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.6	36.1	54.1	
54	55.3	41.4	62.2	

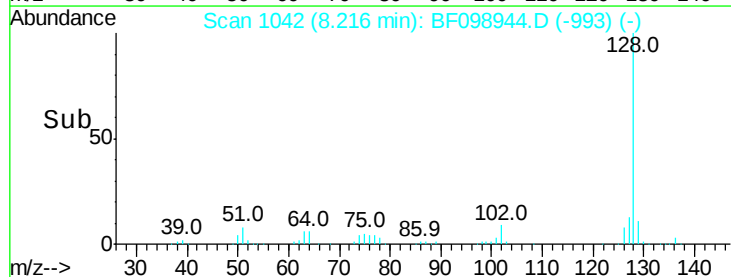
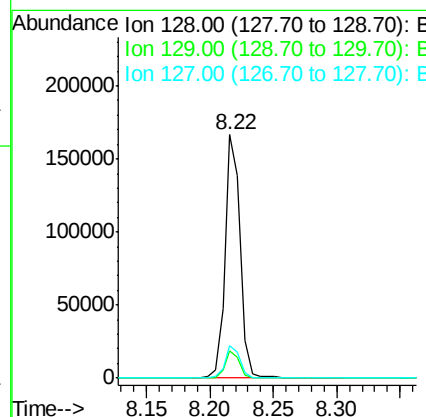
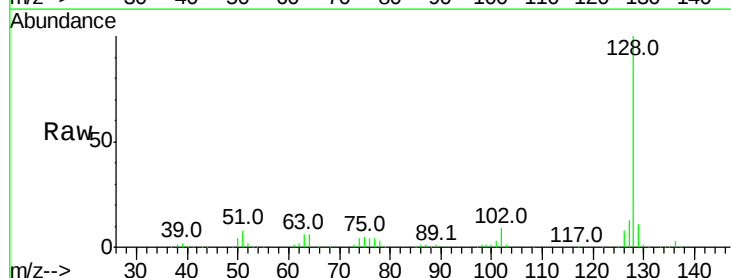
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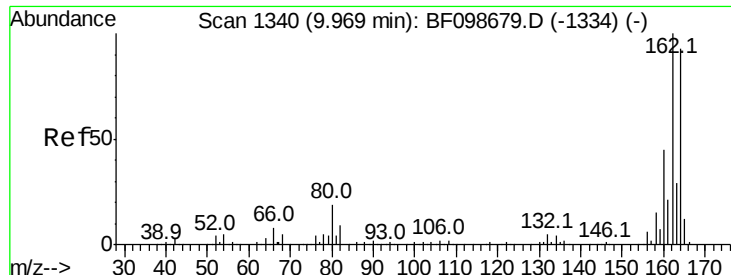
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#31
Naphthalene
Concen: 4.841 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	8.8	13.2	
127	13.3	10.9	16.3	





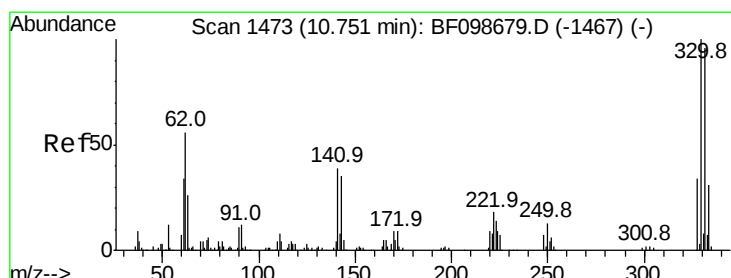
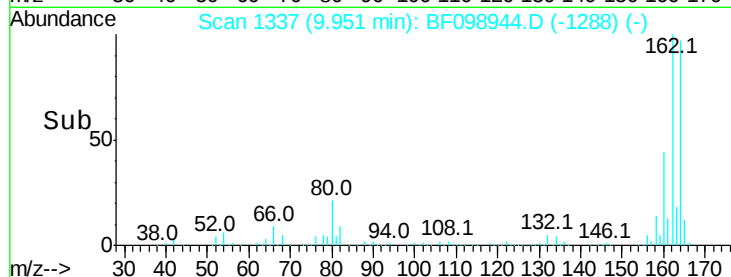
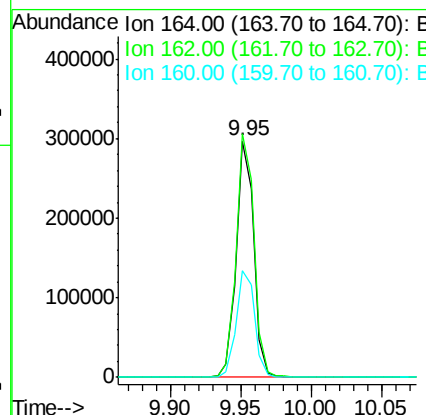
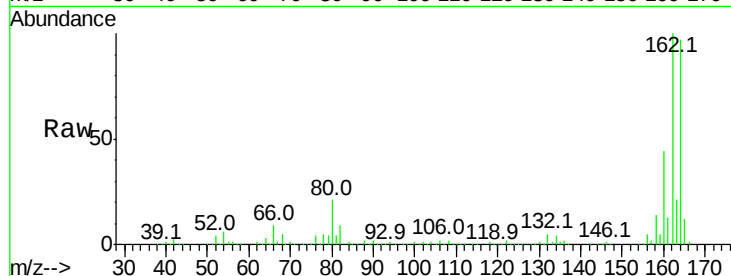
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Instrument :
BNA_F
ClientSampleId :
HD-02-092817DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	257166		
162	102.9	86.1	129.1	
160	45.1	38.3	57.5	

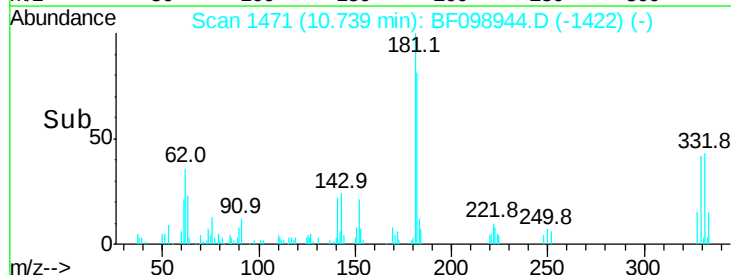
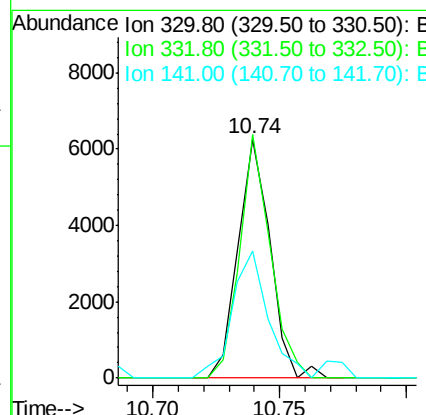
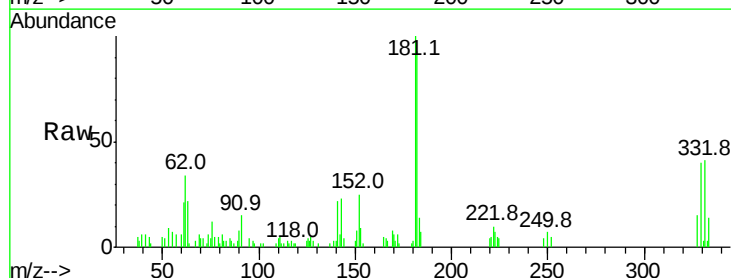
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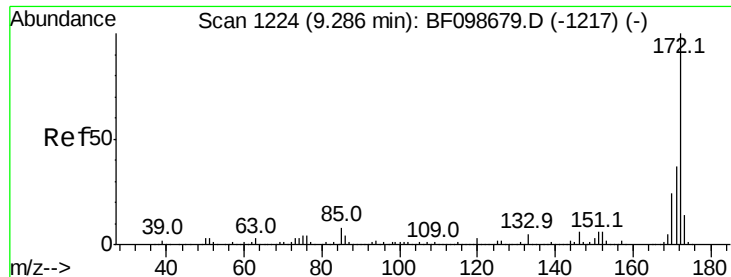
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#41
2,4,6-Tribromophenol
Concen: 2.615 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	5502		
332	97.1	77.0	115.6	
141	59.6	29.9	44.9#	





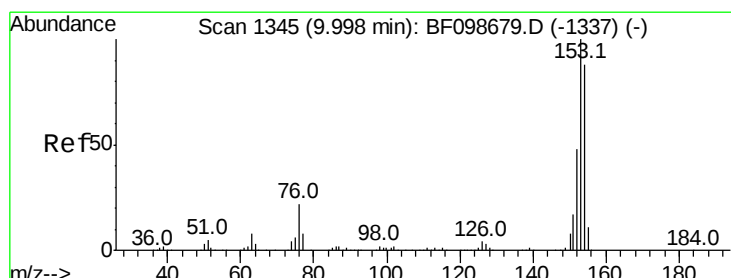
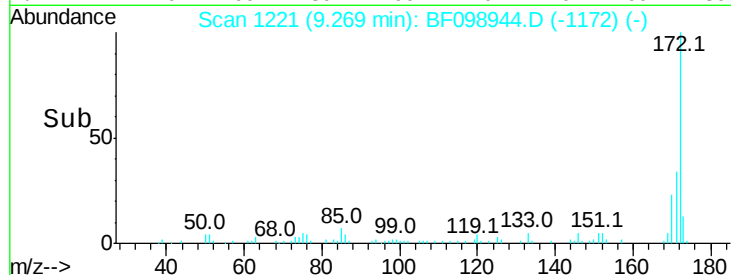
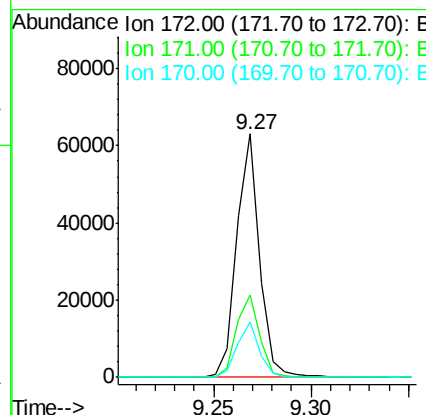
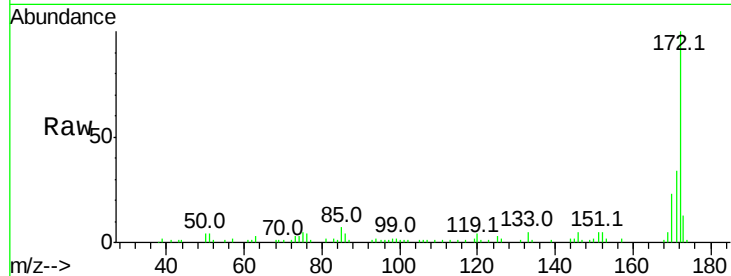
#44
 2-Fluorobiphenyl
 Concen: 3.317 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098944.D
 Acq: 29 Sep 2017 12:34

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-092817DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.7	44.5
170	22.6	19.6	29.4

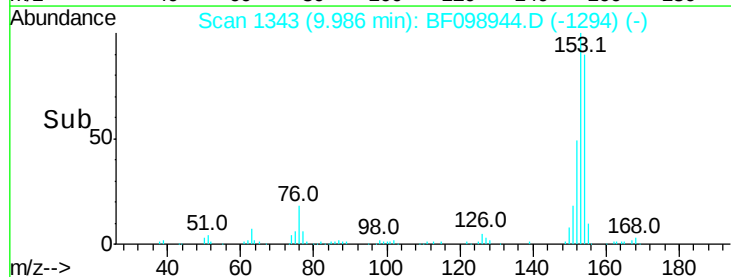
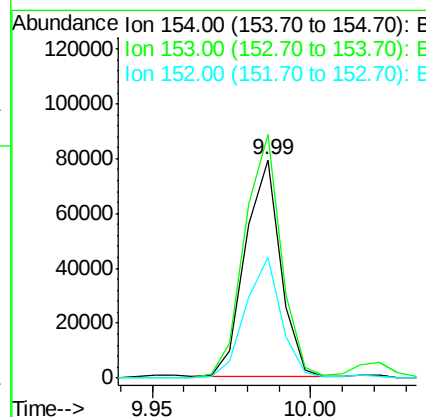
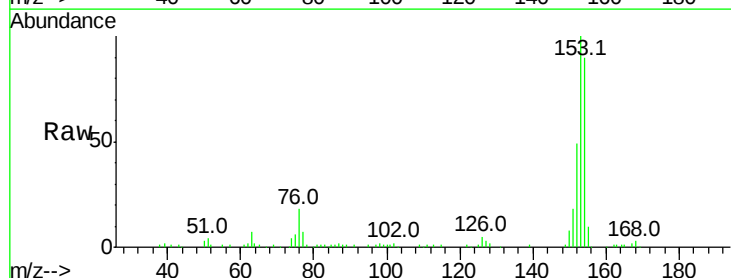
Manual Integrations
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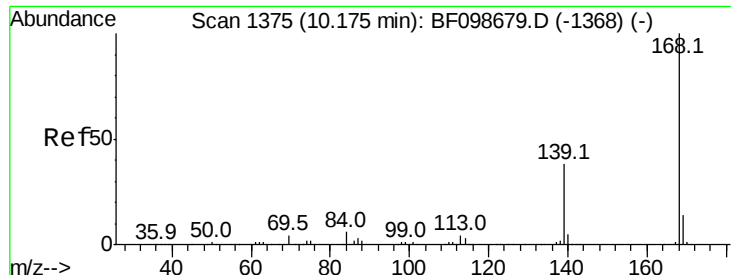
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#51
 Acenaphthene
 Concen: 3.798 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.01 min
 Lab File: BF098944.D
 Acq: 29 Sep 2017 12:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.4	91.2	136.8
152	55.1	43.8	65.8





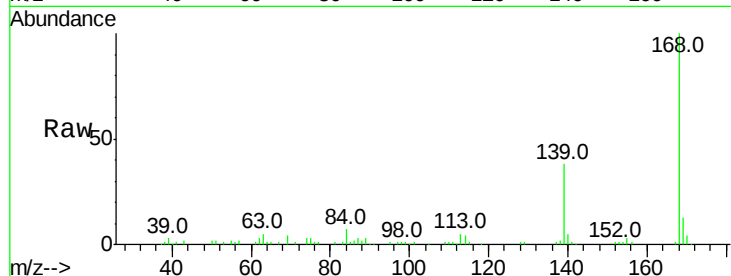
#54
Dibenzenofuran
Concen: 3.509 ng
RT: 10.16 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Instrument :
BNA_F
ClientSampleId :
HD-02-092817DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.1	45.1
169	13.4	10.9	16.3

Manual Integrations
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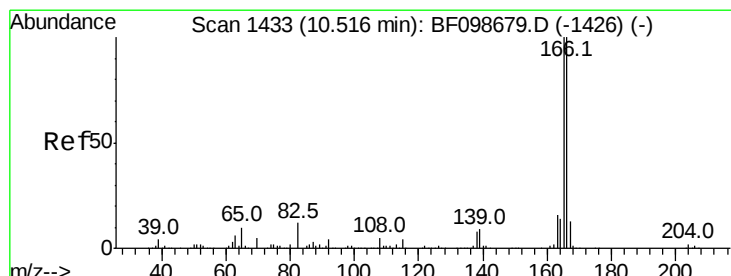
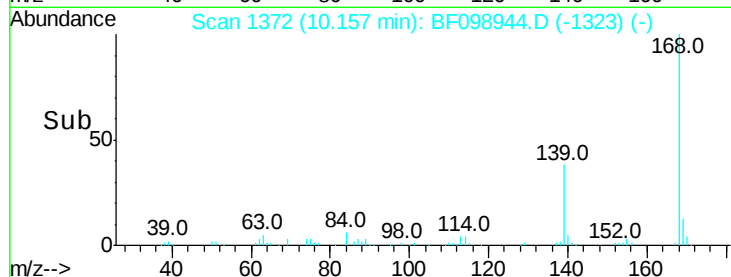
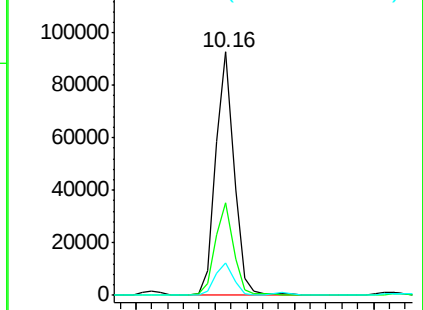


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57
Fluorene
Concen: 5.511 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

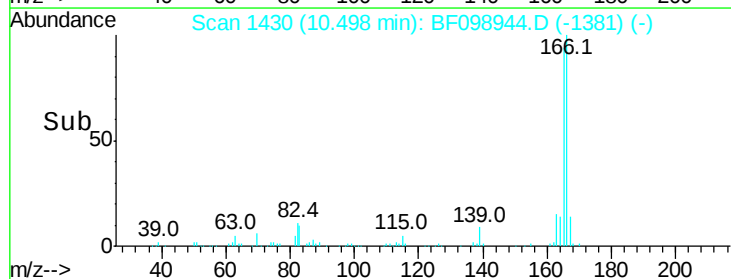
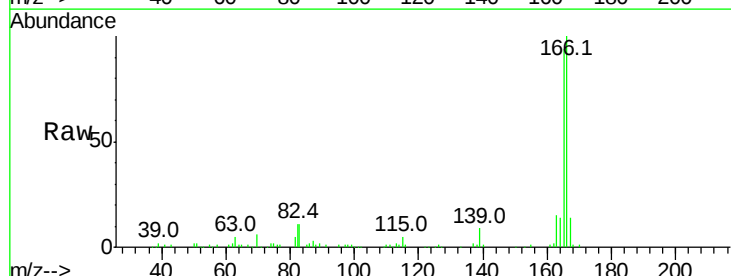
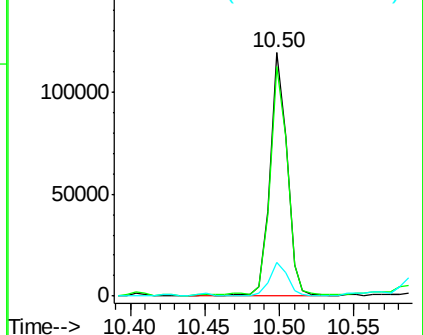
Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.1	79.8	119.8
167	13.8	10.6	16.0

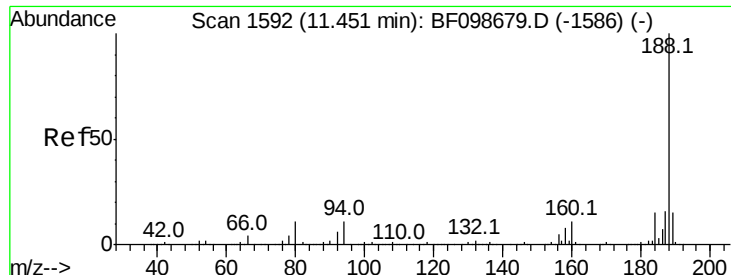
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





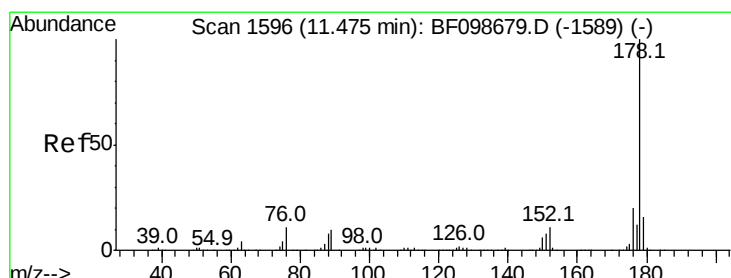
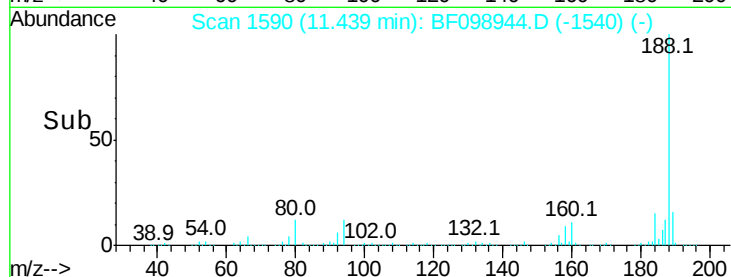
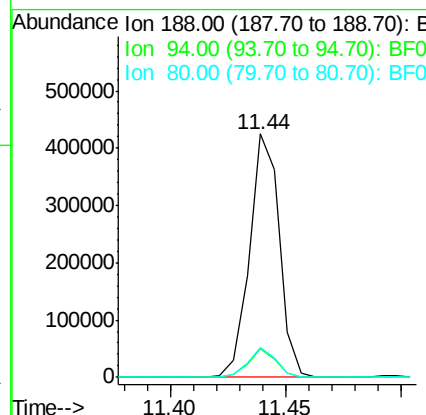
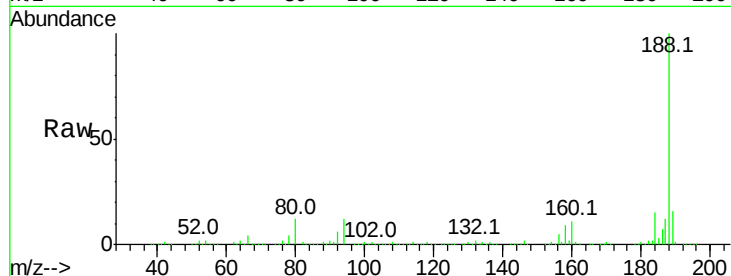
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Instrument :
BNA_F
ClientSampleId :
HD-02-092817DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	382843		
94	11.6		8.5	12.7
80	12.1		9.2	13.8

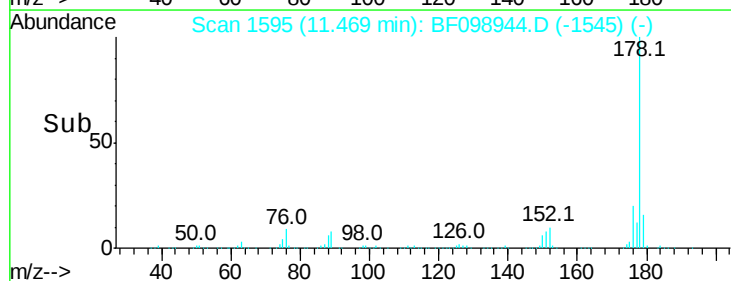
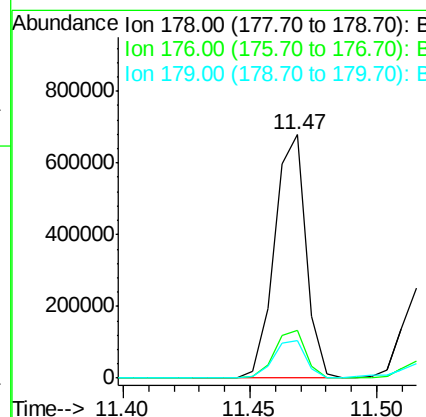
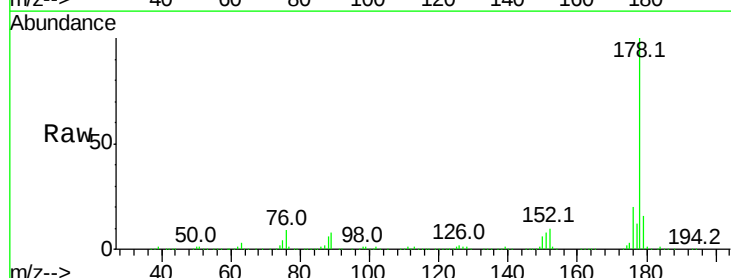
Manual Integrations
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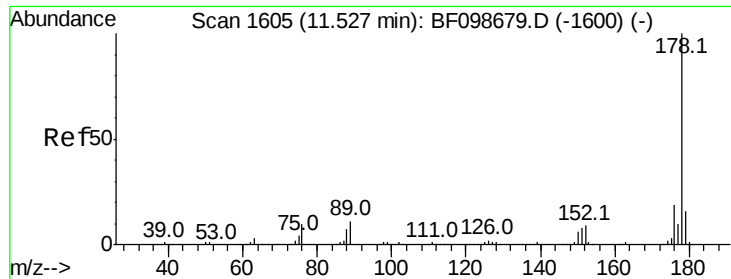
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#70
Phenanthrene
Concen: 28.888 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	591982		
176	19.6		15.8	23.8
179	15.5		13.0	19.6





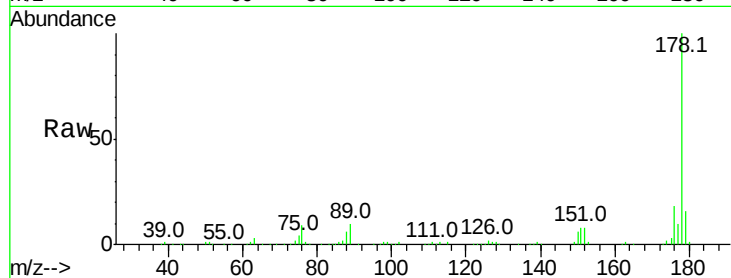
#71
 Anthracene
 Concen: 9.200 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.01 min
 Lab File: BF098944.D
 Acq: 29 Sep 2017 12:34

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-092817DL

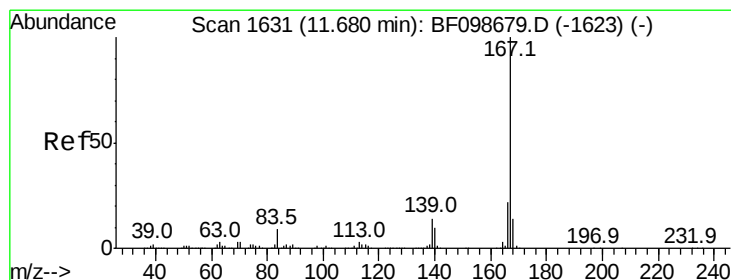
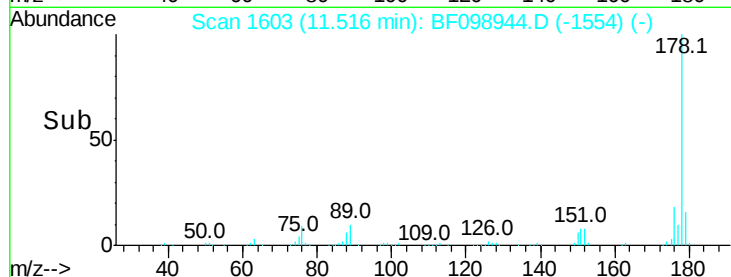
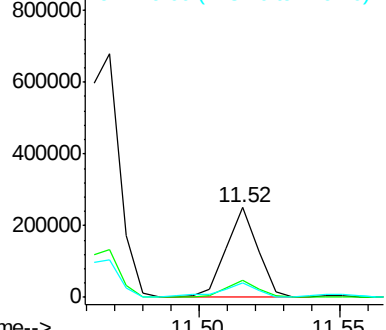
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.7	12.6	19.0

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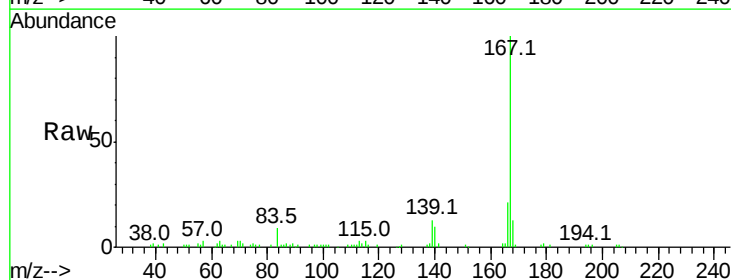


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

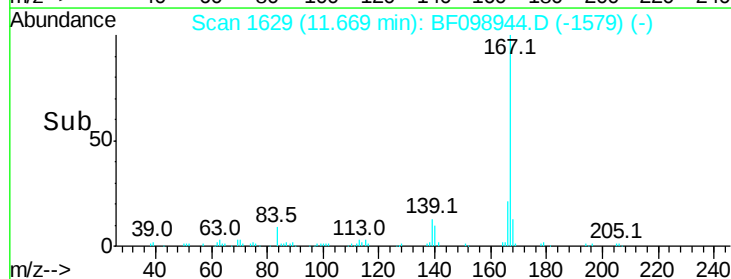
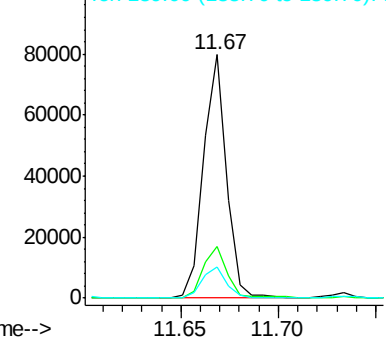


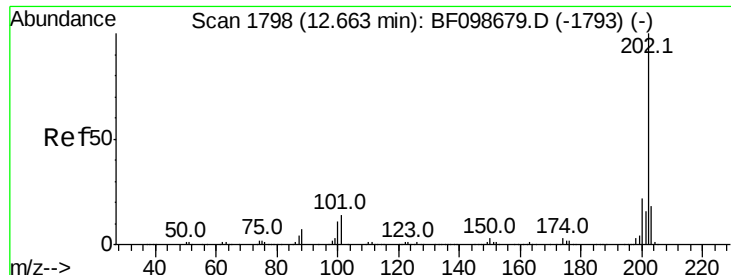
#72
 Carbazole
 Concen: 3.157 ng
 RT: 11.67 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF098944.D
 Acq: 29 Sep 2017 12:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.6	26.4
139	12.6	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 27.006 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098944.D

Acq: 29 Sep 2017 12:34

Instrument :

BNA_F

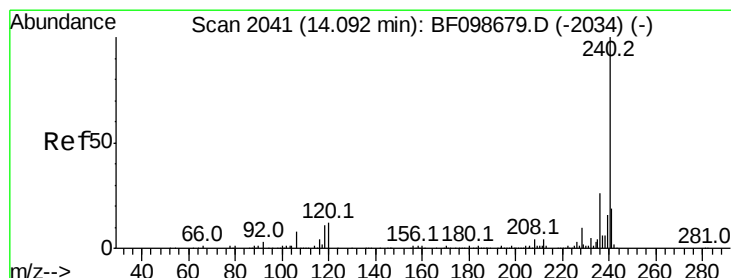
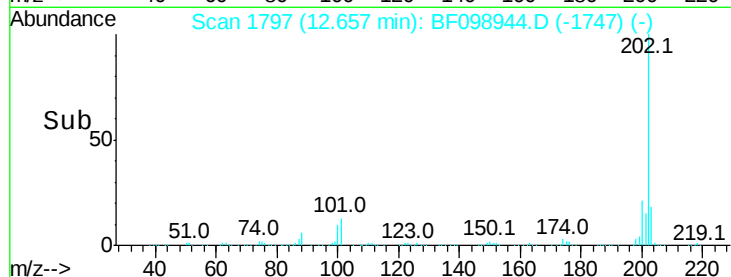
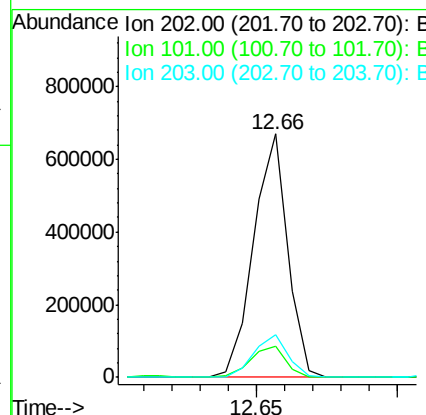
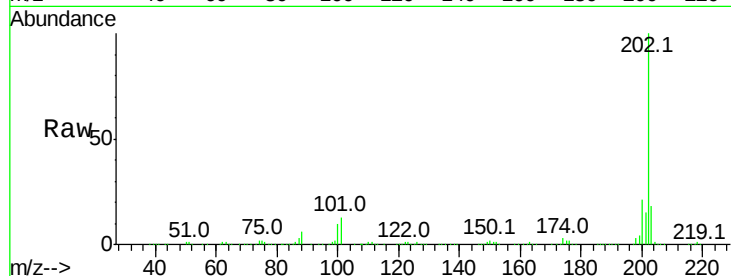
ClientSampleId :

HD-02-092817DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

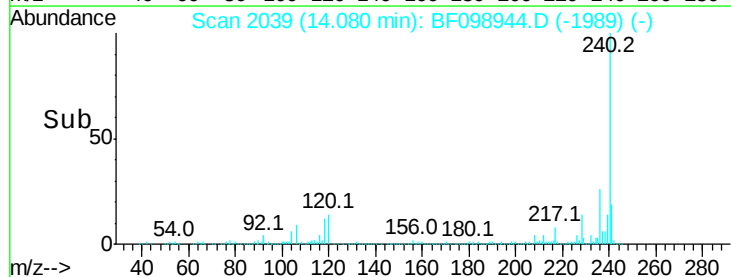
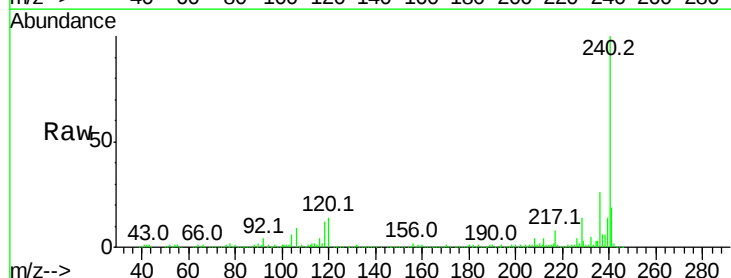
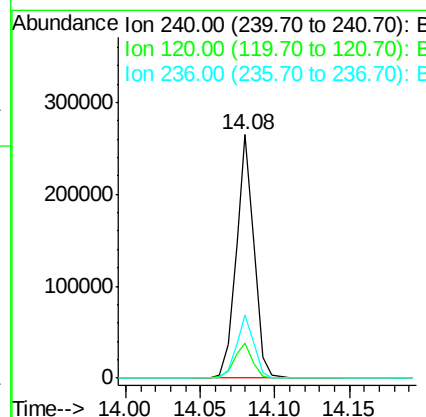
RT: 14.08 min Scan# 2039

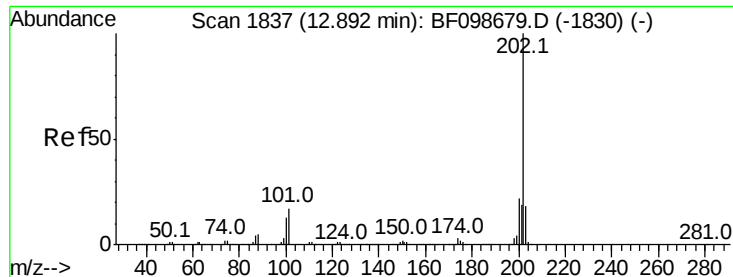
Delta R.T. -0.01 min

Lab File: BF098944.D

Acq: 29 Sep 2017 12:34

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.1	9.5	14.3
236	26.0	20.7	31.1





#77

Pvrene

Concen: 26.366 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098944.D

Acq: 29 Sep 2017 12:34

Instrument :

BNA_F

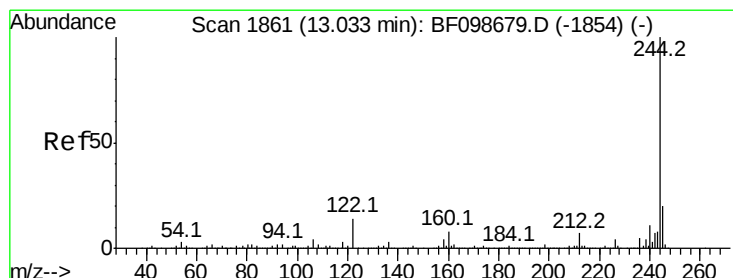
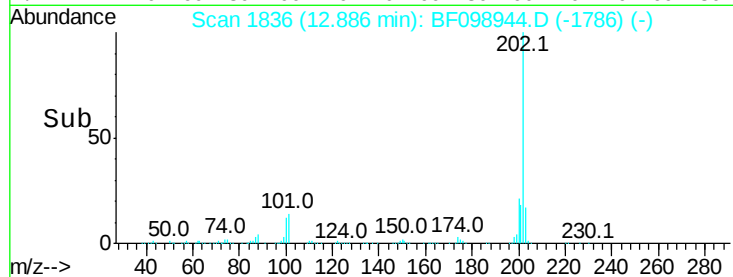
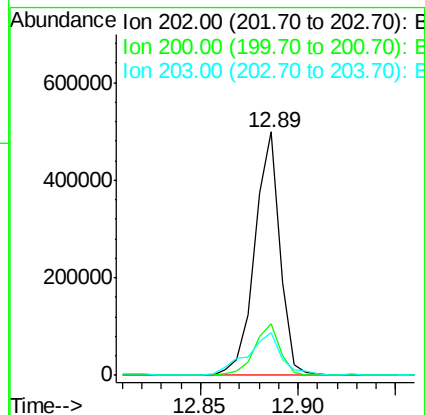
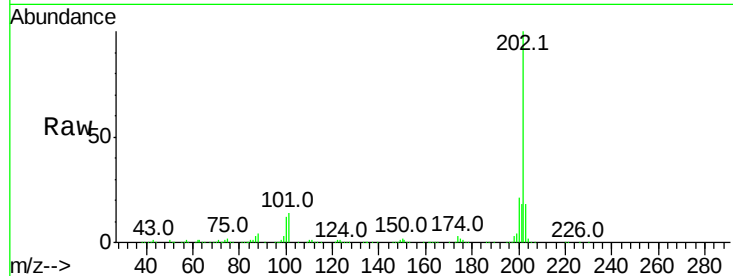
ClientSampleId :

HD-02-092817DL

Tot Ion:202	Resp:	447395
Ion Ratio	Lower	Upper
202 100		
200 21.4	17.4	26.2
203 17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 3.066 ng

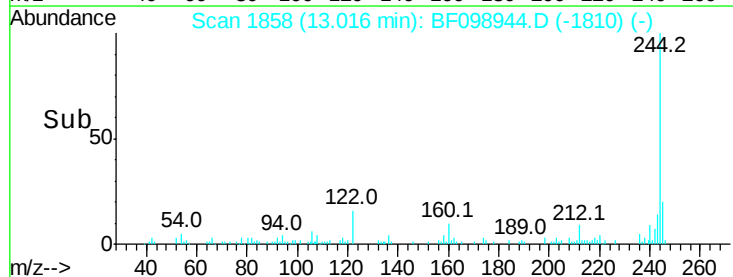
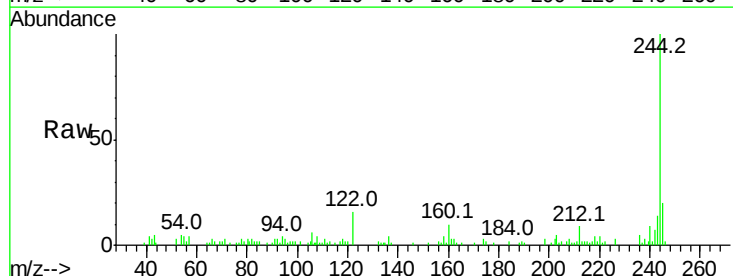
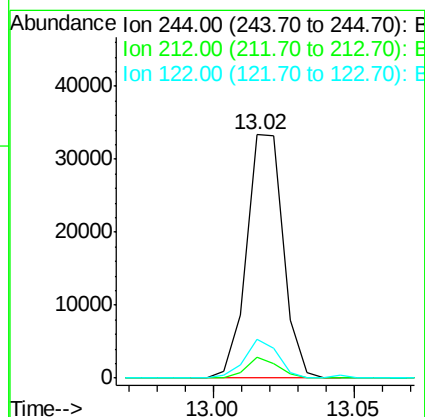
RT: 13.02 min Scan# 1858

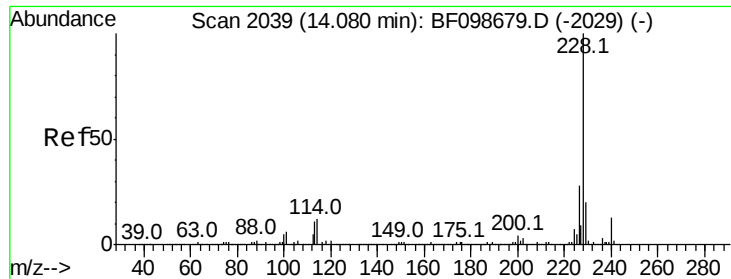
Delta R.T. -0.02 min

Lab File: BF098944.D

Acq: 29 Sep 2017 12:34

Tgt Ion:244	Resp:	29999
Ion Ratio	Lower	Upper
244 100		
212 8.8	5.4	8.0#
122 15.9	11.0	16.4





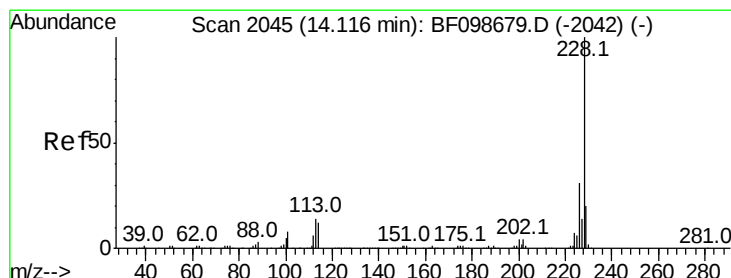
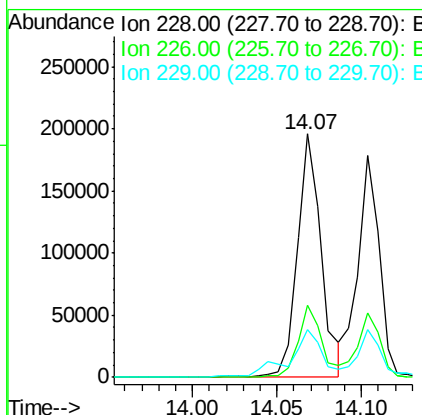
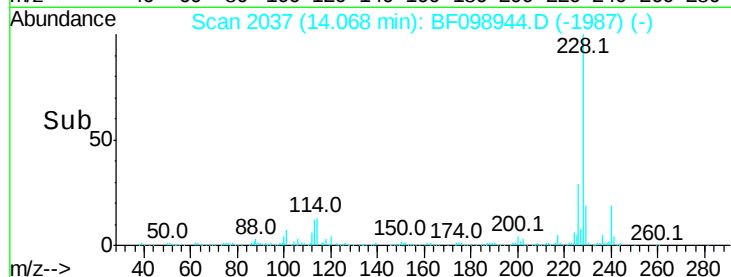
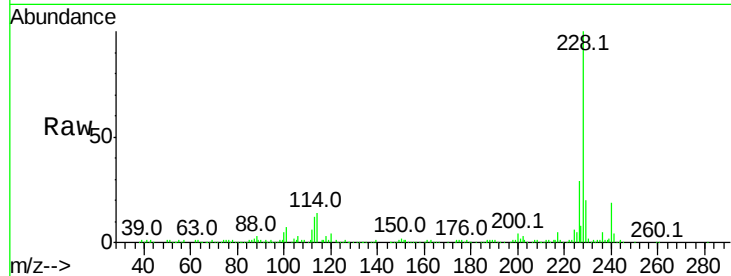
#80
Benzo(a)anthracene
Concen: 14.286 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Instrument :
BNA_F
ClientSampleId :
HD-02-092817DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	19.7	15.8	23.6

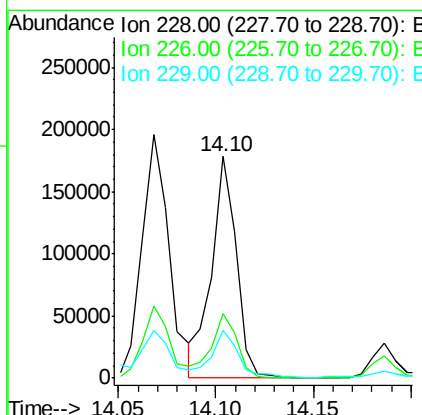
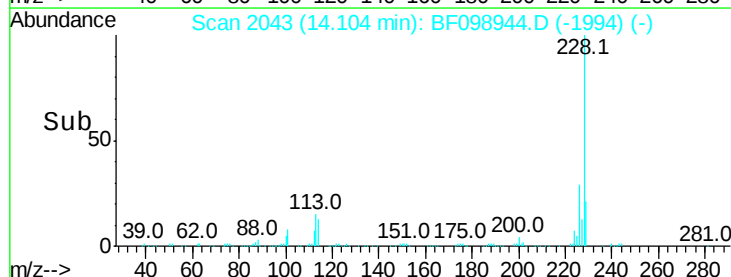
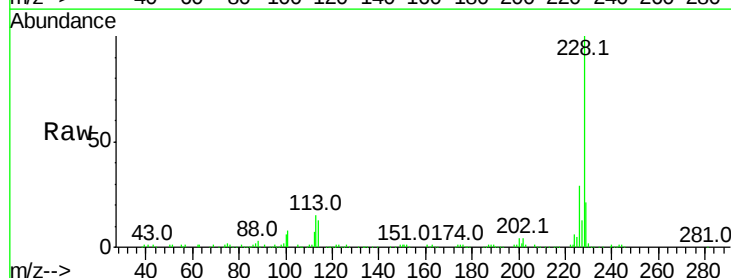
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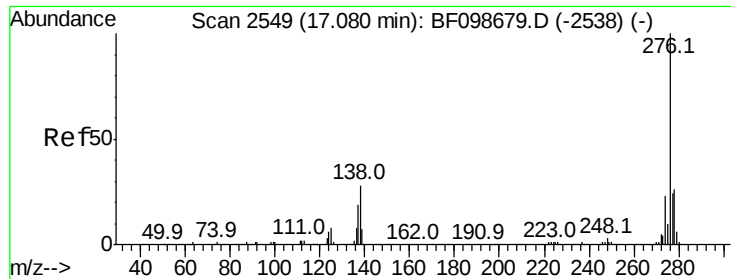
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#82
Chrysene
Concen: 12.257 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.4	16.2	24.4





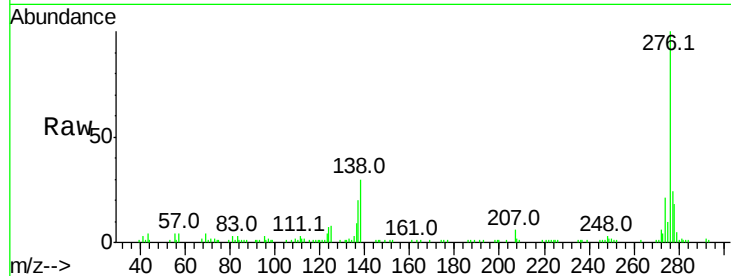
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.725 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Instrument :
BNA_F
ClientSampleId :
HD-02-092817DL

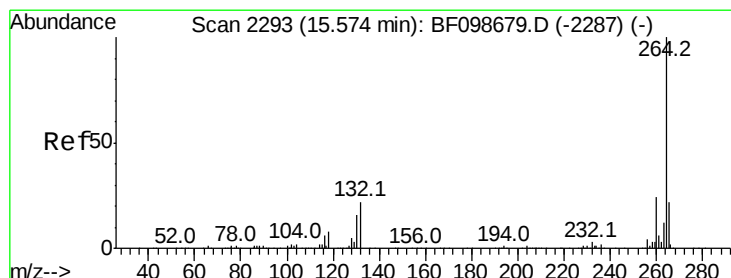
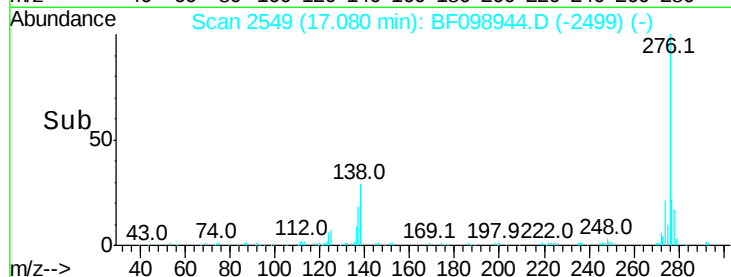
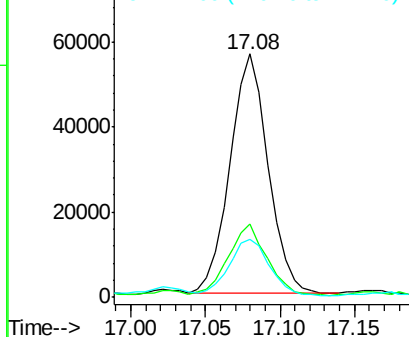
Tot Ion:	276	Resp:	99794
Ion Ratio	Lower	Upper	
276	100		
138	31.0	25.0	37.6
277	25.2	20.1	30.1

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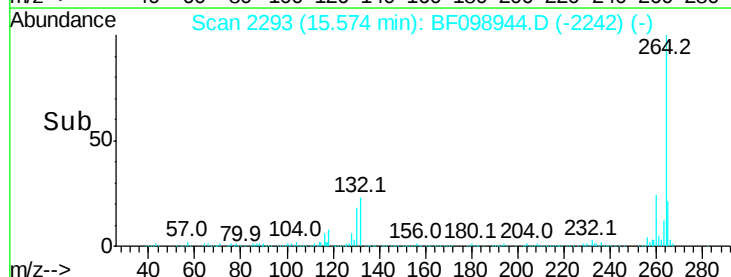
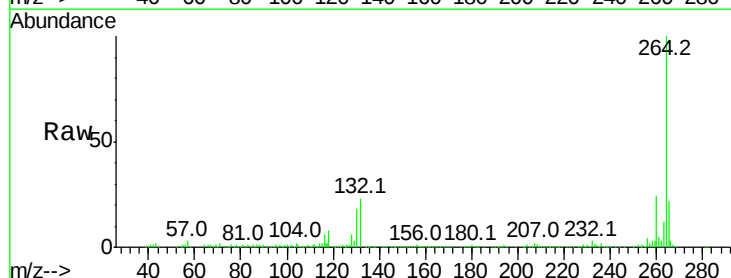
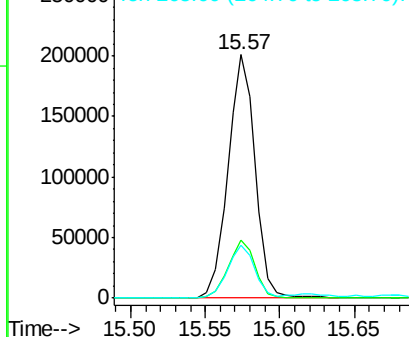
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

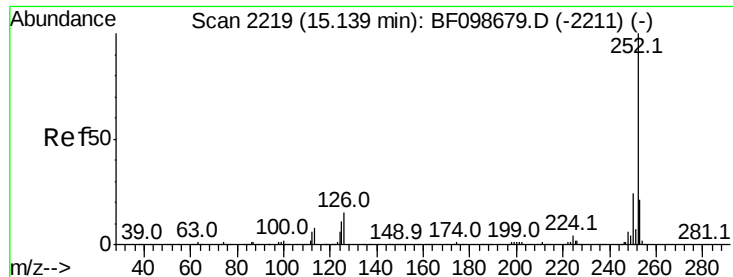


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Tgt Ion:	264	Resp:	255670
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.2	28.8
265	21.7	17.5	26.3

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





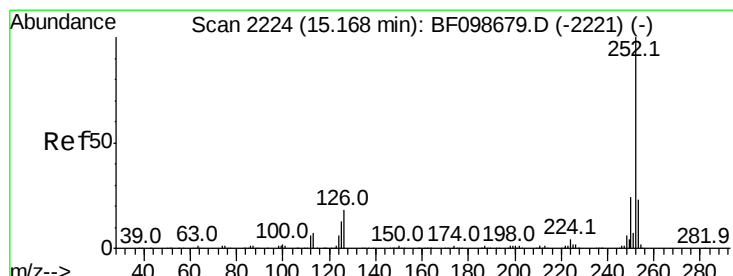
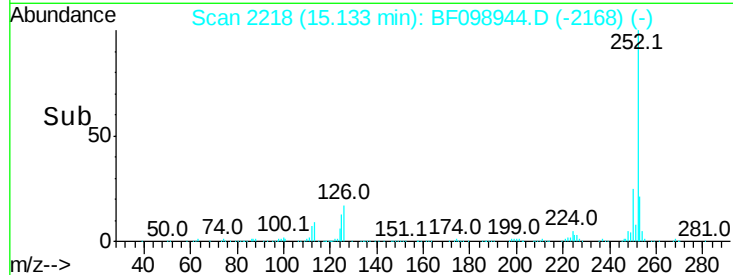
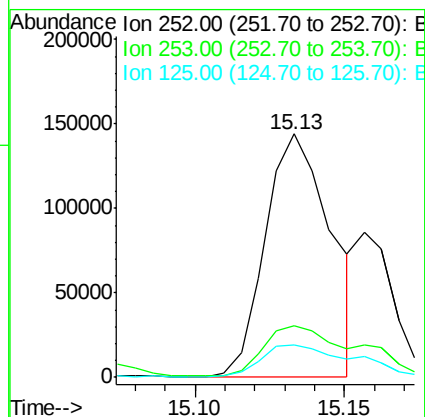
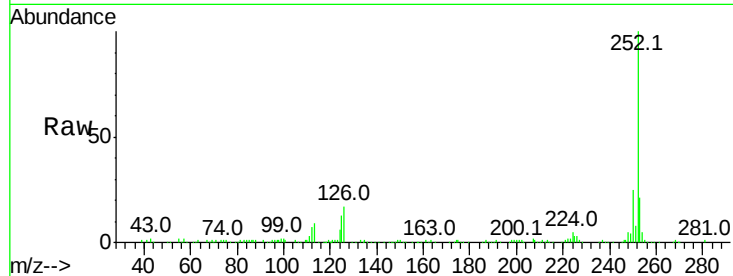
#87
Benzo(b)fluoranthene
Concen: 14.015 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Instrument :
BNA_F
ClientSampleId :
HD-02-092817DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.0	25.6
125	13.3	9.0	13.6

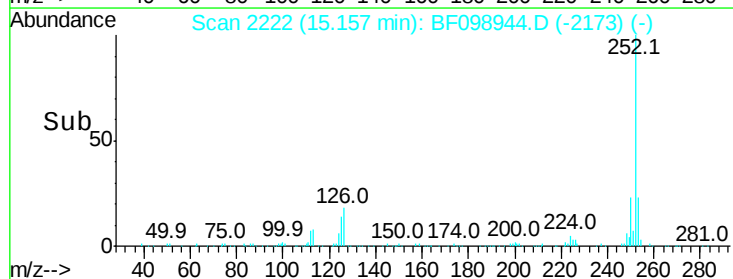
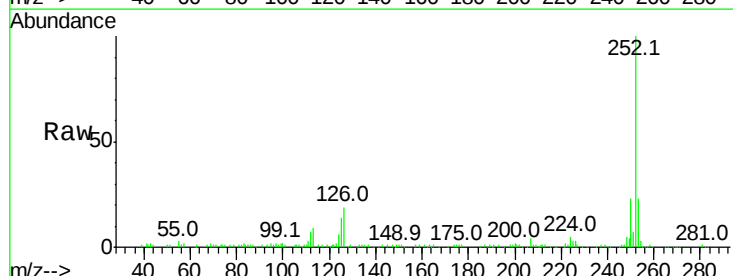
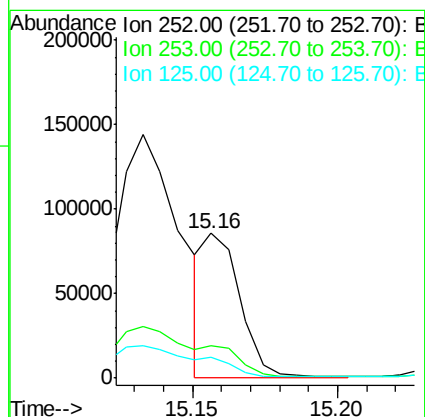
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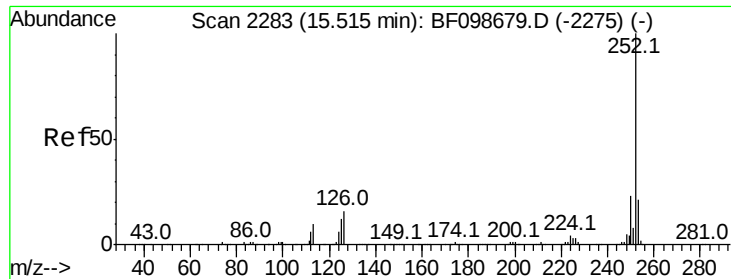
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#88
Benzo(k)fluoranthene
Concen: 4.786 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	14.1	10.2	15.2





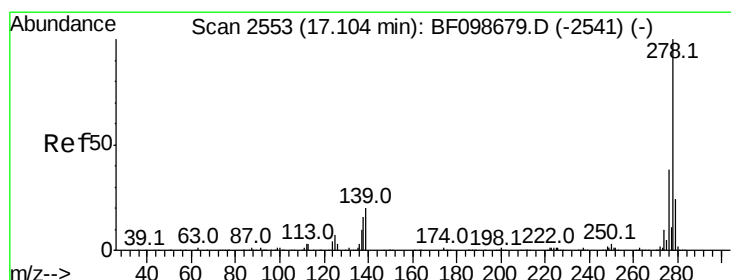
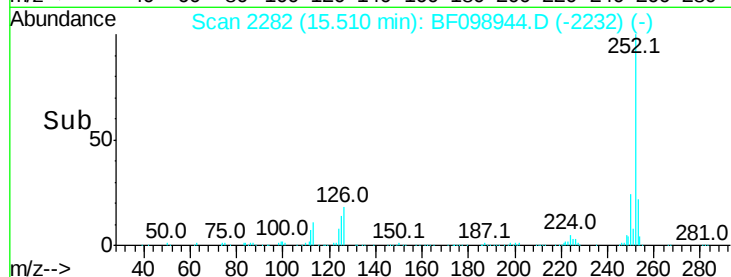
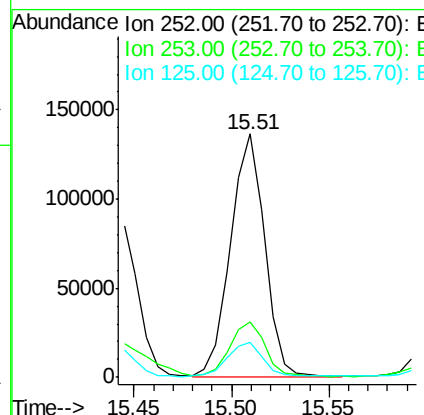
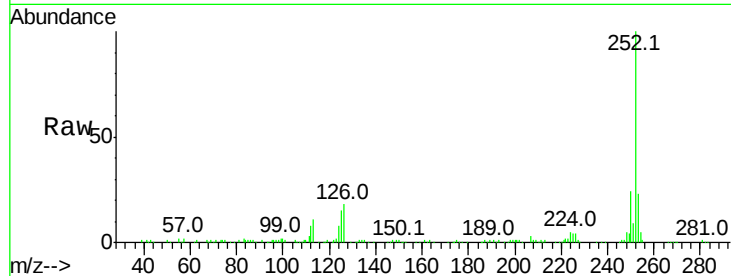
#89
Benzo(a)pyrene
Concen: 11.425 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Instrument :
BNA_F
ClientSampleID :
HD-02-092817DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	14.5	9.8	14.6

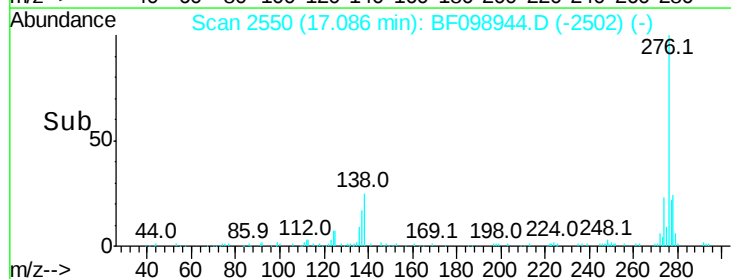
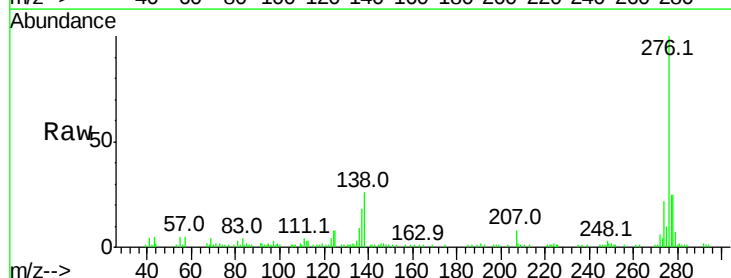
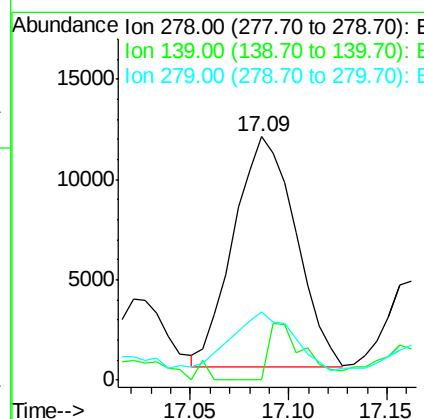
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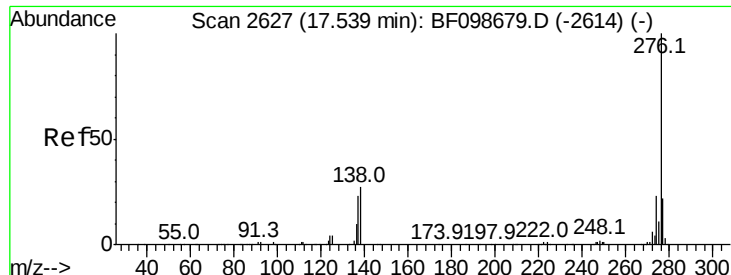
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#90
Dibenzo(a,h)anthracene
Concen: 2.169 ng m
RT: 17.09 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF098944.D
Acq: 29 Sep 2017 12:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.1	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.316 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. -0.01 min
 Lab File: BF098944.D
 Acq: 29 Sep 2017 12:34

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-092817DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	33.2	21.8	32.8

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