

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100744.D
 Acq On : 20 Nov 2017 21:40
 Operator : SJ/JU
 Sample : I6304-12 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-A

Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:15:41 PM

Quant Time: Nov 21 04:53:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	109588	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	421417	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	188145	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	318682	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	221858	20.00	ng	-0.01
86) Perylene-d12	15.50	264	266903	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	63583	9.30	ng	-0.02
7) Phenol-d6	6.48	99	77949	9.25	ng	-0.03
23) Nitrobenzene-d5	7.43	82	45062	7.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	18588	9.70	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	99036	8.02	ng	-0.02
78) Terphenyl-d14	12.97	244	66542	6.89	ng	-0.02
Target Compounds						
51) Acenaphthene	9.94	154	28209	2.371	ng	95
57) Fluorene	10.45	166	65947	5.398	ng	100
70) Phenanthrene	11.42	178	439045	26.166	ng	99
71) Anthracene	11.47	178	102595	6.027	ng	97
74) Fluoranthene	12.60	202	305339	17.171	ng	97
77) Pyrene	12.83	202	279695	17.686	ng	99
80) Benzo(a)anthracene	14.02	228	116692	8.734	ng	96
82) Chrysene	14.06	228	105431	8.149	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	46548	4.448	ng	# 91
87) Benzo(b)fluoranthene	15.07	252	104424m	6.604	ng	
88) Benzo(k)fluoranthene	15.09	252	38300m	2.563	ng	
89) Benzo(a)pyrene	15.44	252	91044	6.495	ng	98
91) Benzo(a,h,i)perylene	17.42	276	41933	3.737	ng	94

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

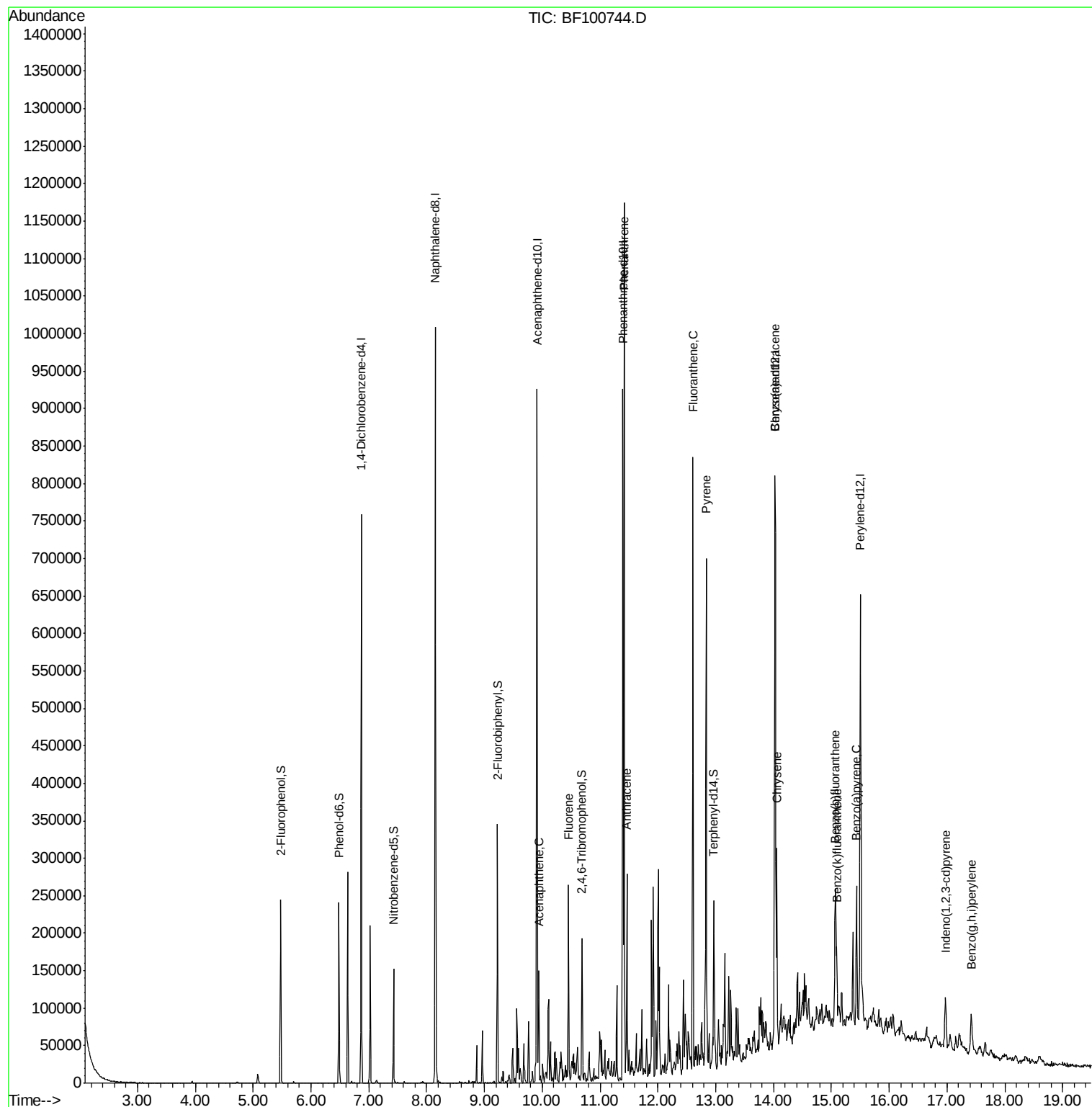
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
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ALS Vial : 12 Sample Multiplier: 1

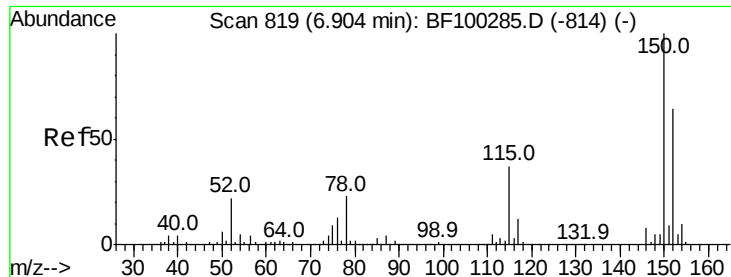
Instrument :
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CL-01-111617-A

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#1

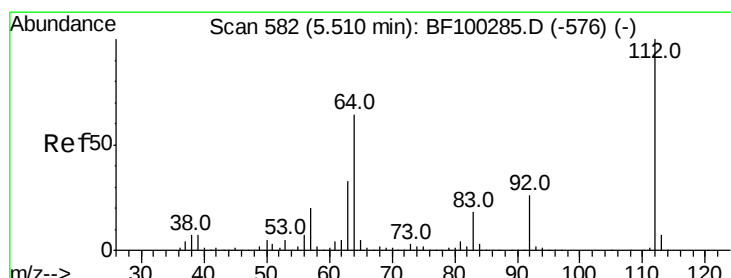
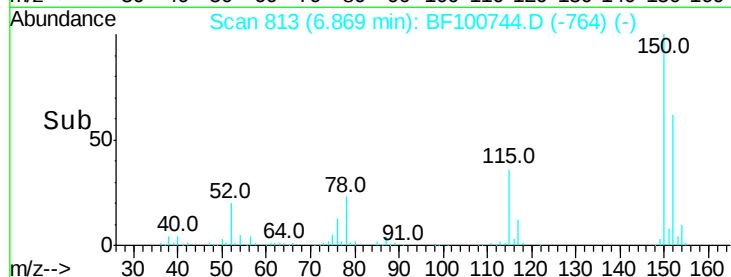
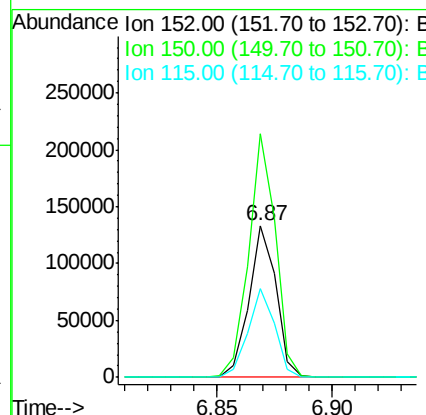
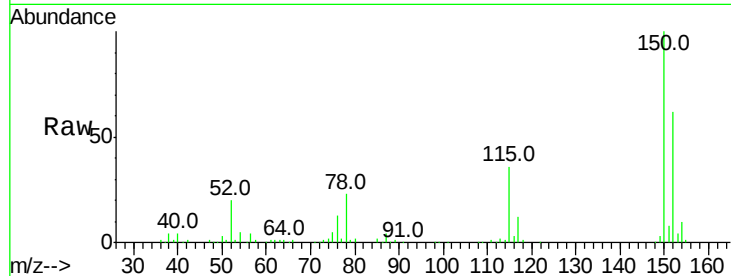
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	124.6	186.8
115	58.2	50.1	75.1

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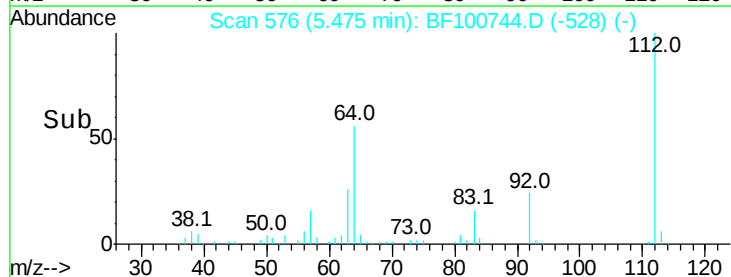
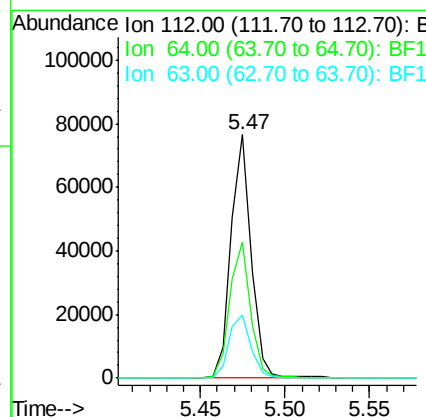
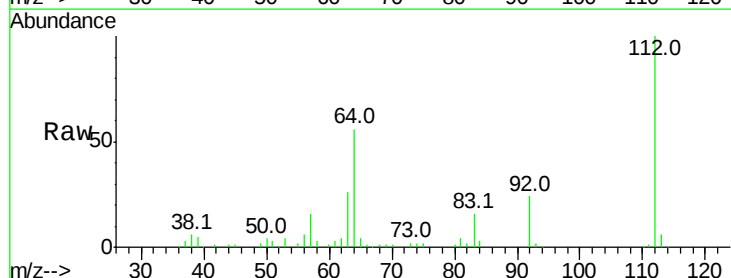
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#5

2-Fluorophenol
Concen: 9.301 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	26.1	23.7	35.5





#7

Phenol-d6

Concen: 9.246 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

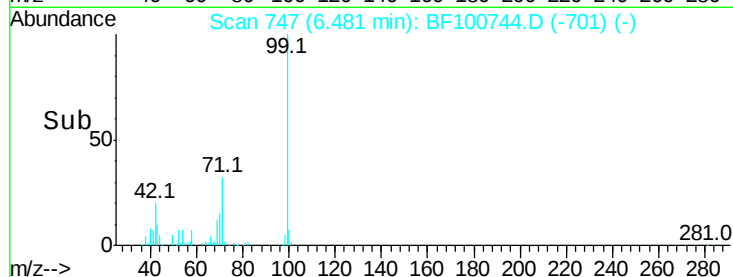
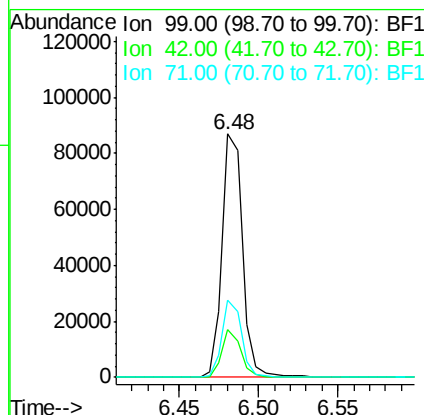
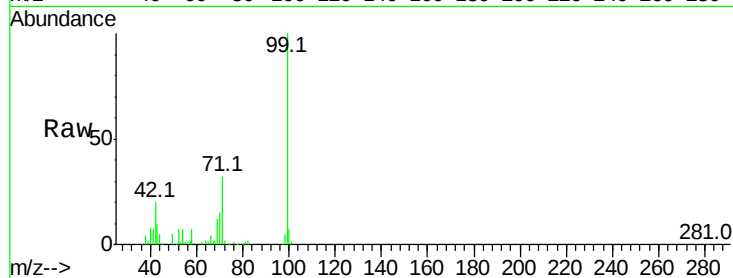
ClientSampleId :

CL-01-111617-A

Tot Ion:	99	Resp:	77949
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

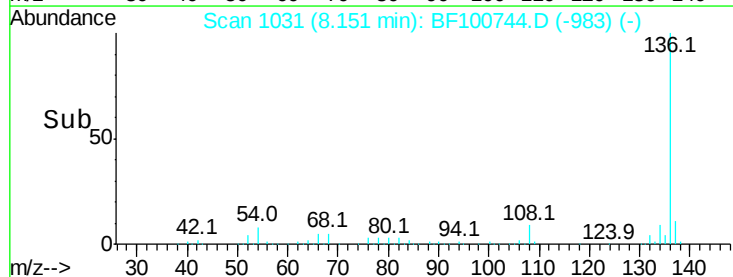
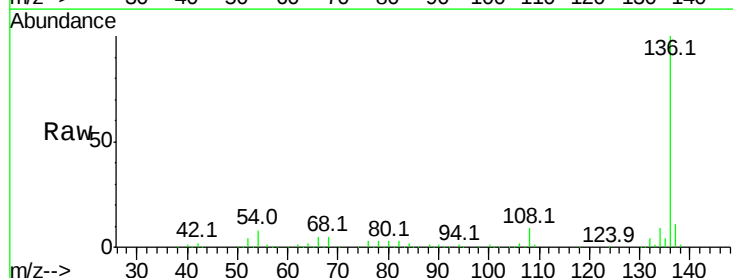
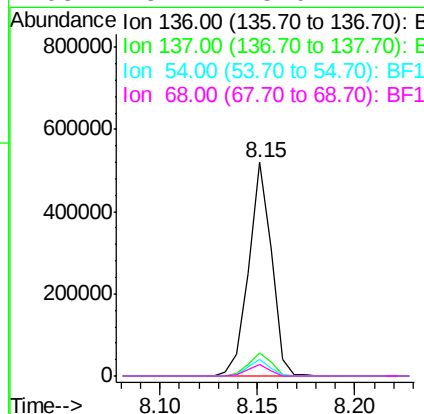
RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Tgt Ion:	136	Resp:	421417
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	8.1	6.6	9.8
68	5.4	5.0	7.4





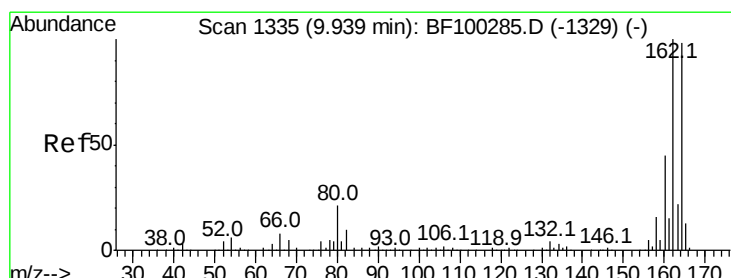
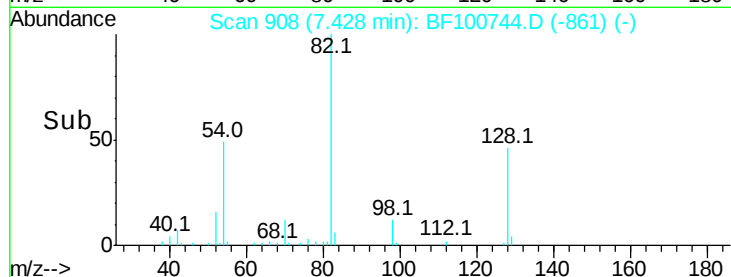
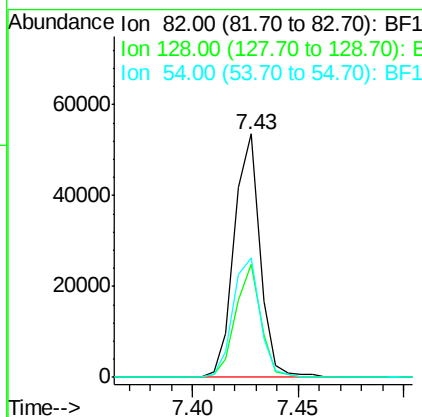
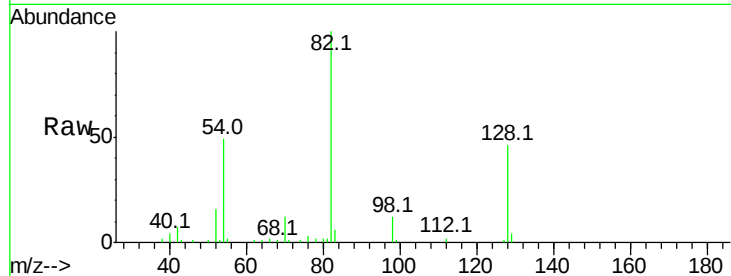
#23
Nitrobenzene-d5
Concen: 7.069 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

Tot Ion	82	Resp	45062
Ion Ratio	100	Lower	Upper
128	46.4	36.1	54.1
54	49.2	41.4	62.2

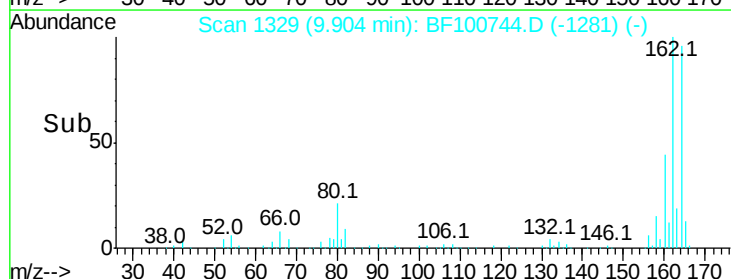
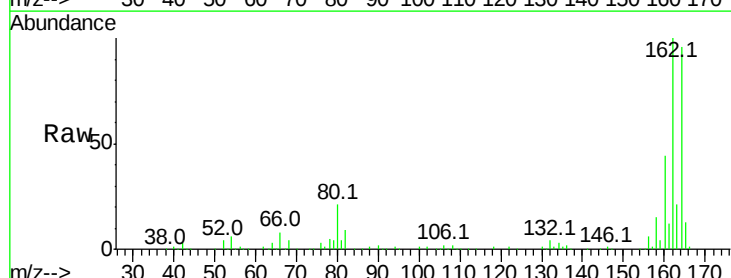
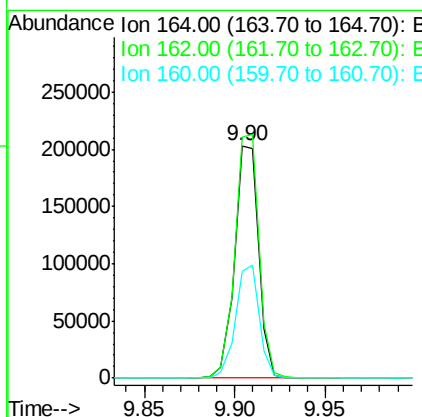
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion	164	Resp	188145
Ion Ratio	100	Lower	Upper
162	103.9	86.1	129.1
160	46.0	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 9.695 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

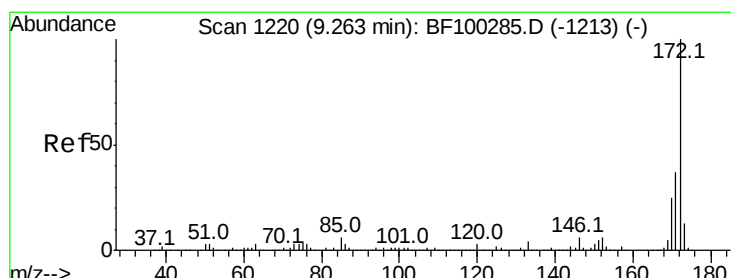
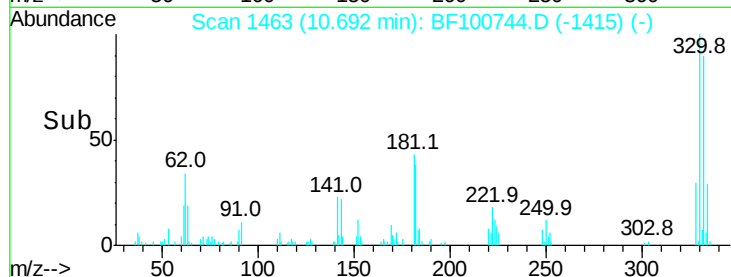
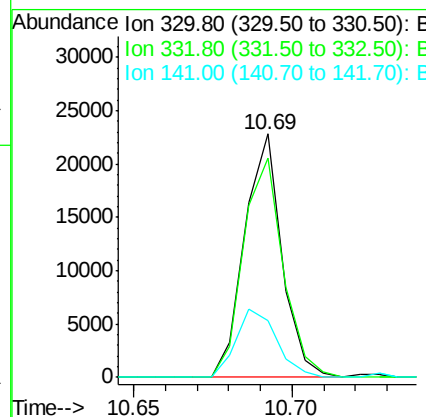
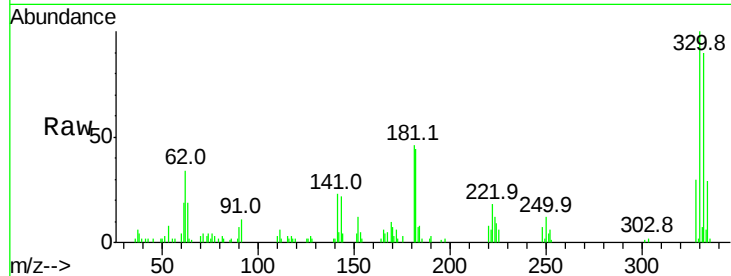
ClientSampleId :

CL-01-111617-A

Tot Ion:	330	Resp:	18588
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.0	115.6
141	30.4	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 8.015 ng

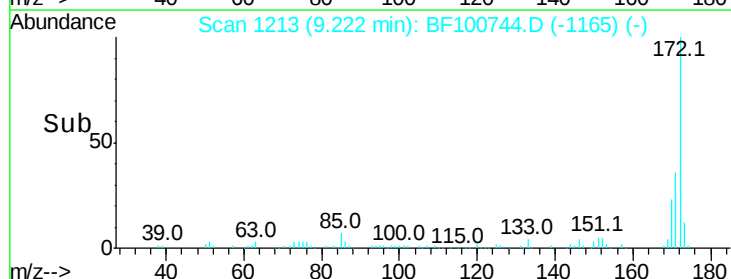
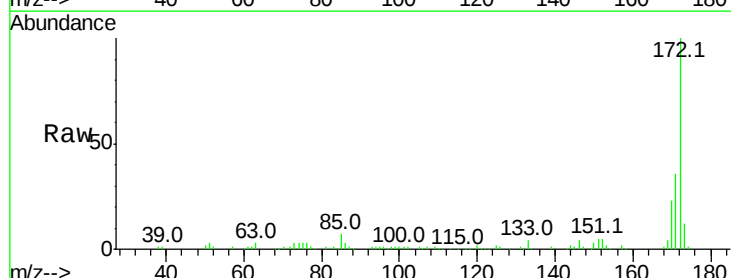
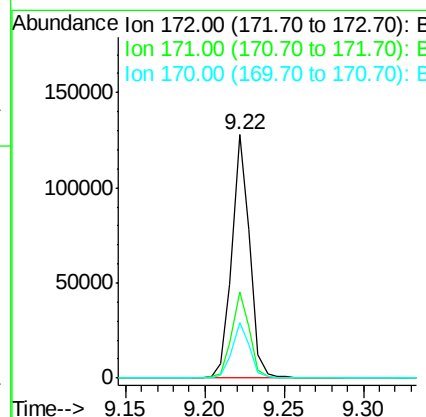
RT: 9.22 min Scan# 1213

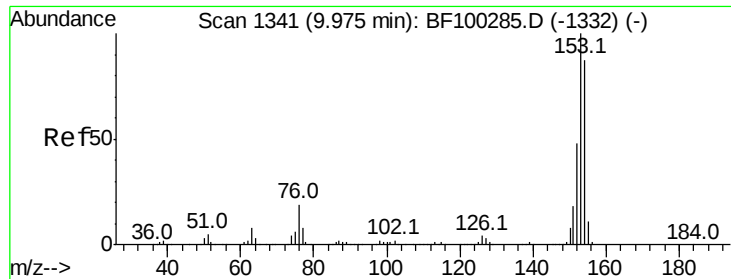
Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Tgt Ion:	172	Resp:	99036
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.7	44.5
170	22.8	19.6	29.4





#51

Acenaphthene

Concen: 2.371 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

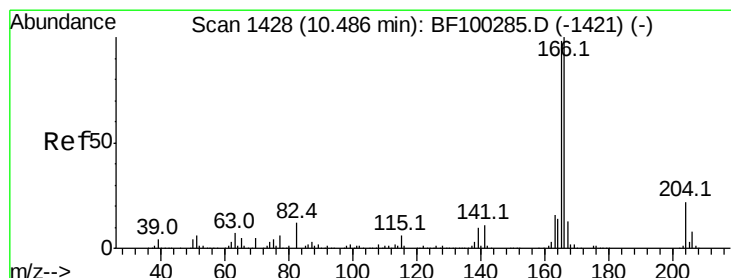
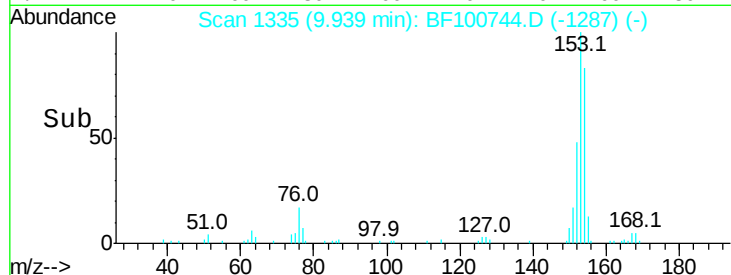
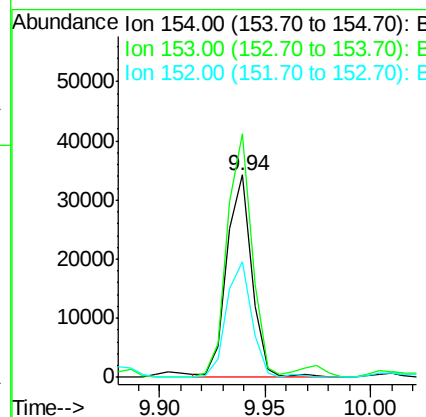
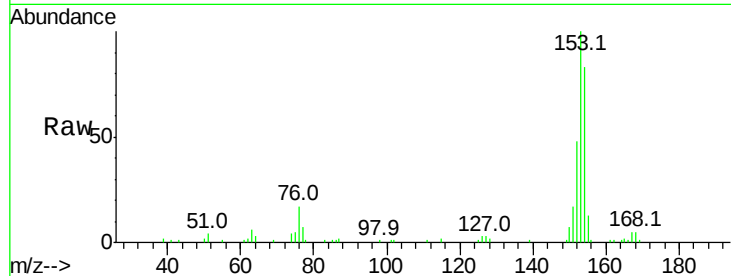
ClientSampleId :

CL-01-111617-A

Tot Ion:	154	Resp:	28209
Ion Ratio	Lower	Upper	
154	100		
153	120.4	91.2	136.8
152	57.4	43.8	65.8

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#57

Fluorene

Concen: 5.398 ng

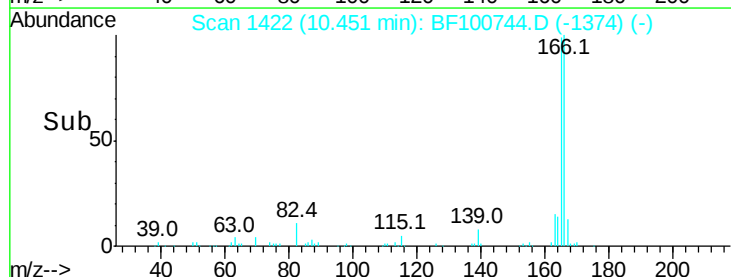
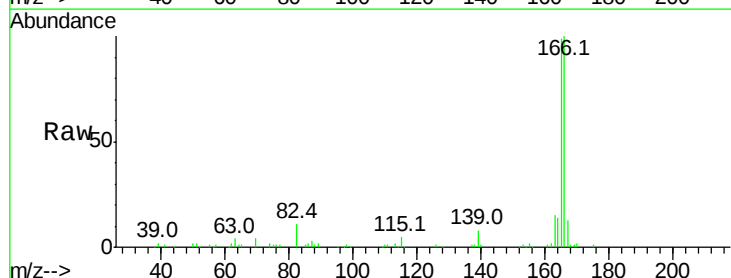
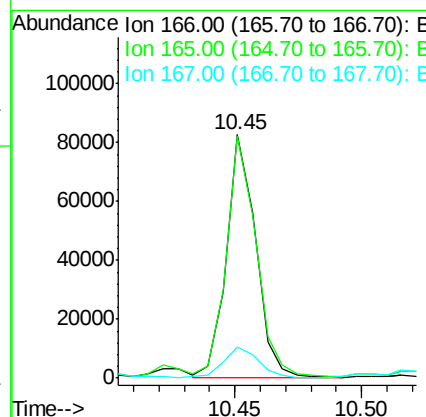
RT: 10.45 min Scan# 1422

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Tgt Ion:	166	Resp:	65947
Ion Ratio	Lower	Upper	
166	100		
165	99.5	79.8	119.8
167	12.9	10.6	16.0





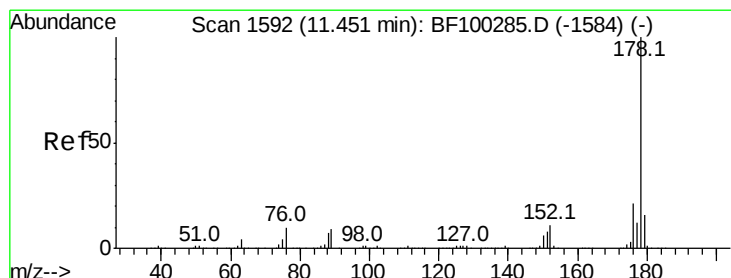
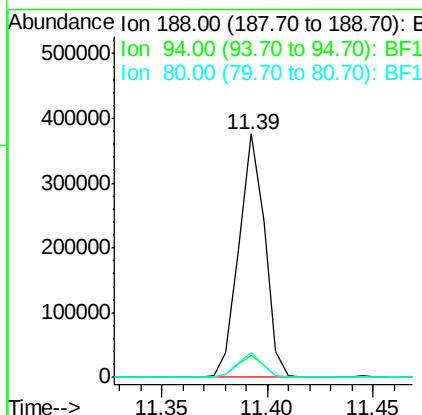
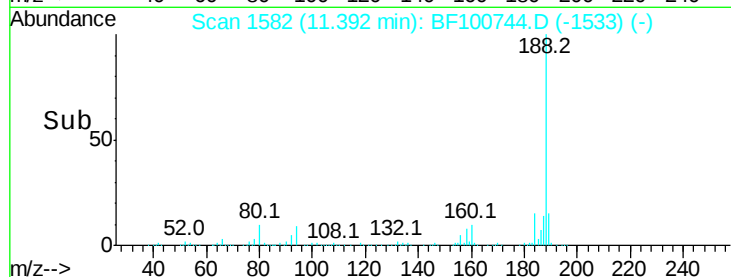
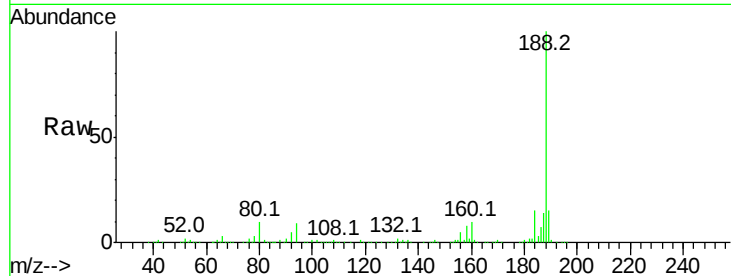
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.1	8.5	12.7
80	10.1	9.2	13.8

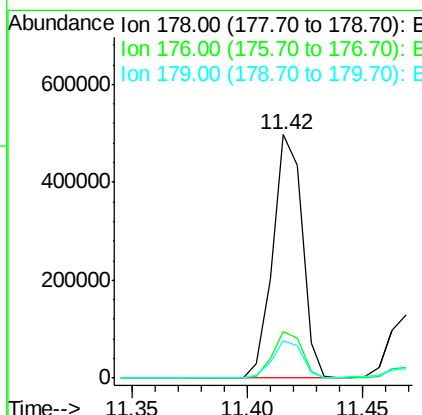
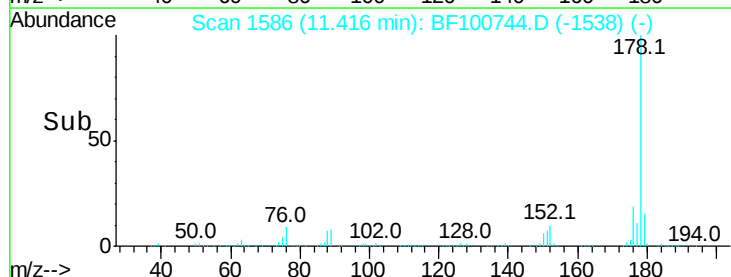
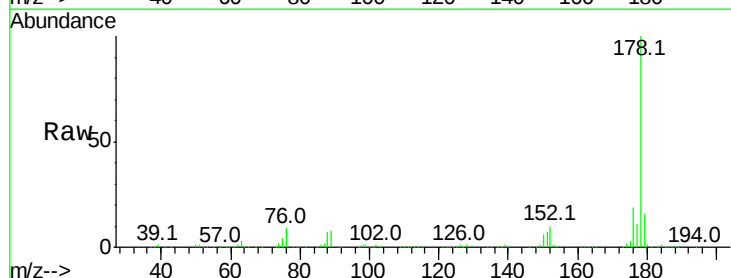
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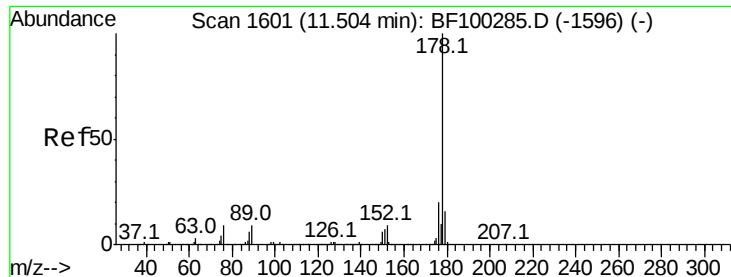
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#70
Phenanthrene
Concen: 26.166 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	15.8	23.8
179	15.6	13.0	19.6





#71

Anthracene

Concen: 6.027 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

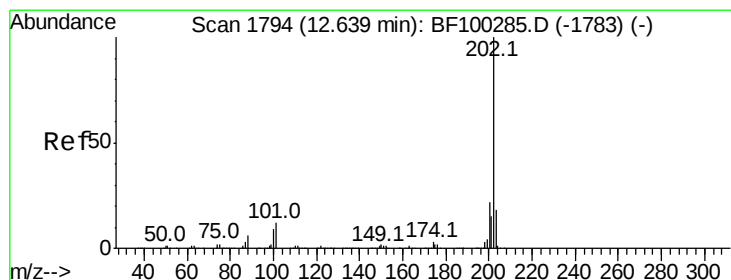
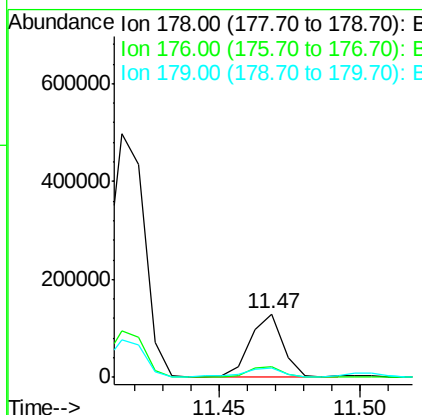
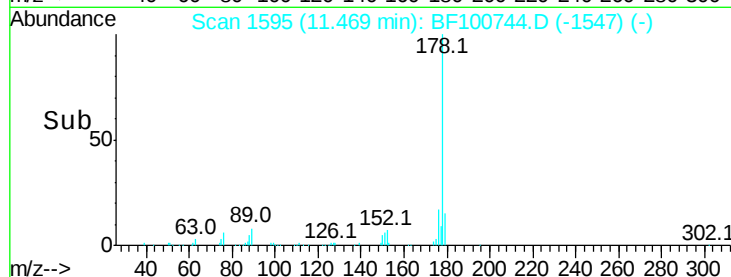
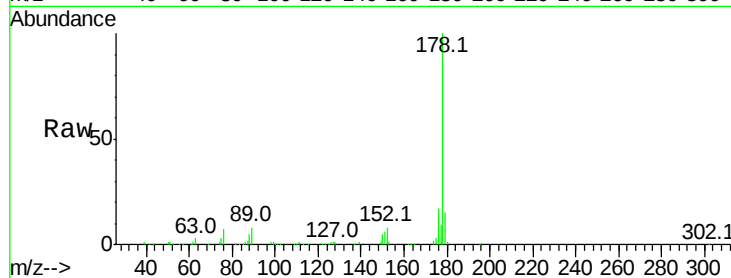
ClientSampleId :

CL-01-111617-A

Tot Ion:	178	Resp:	102595
Ion Ratio	Lower	Upper	
178	100		
176	17.2	15.4	23.2
179	15.0	12.6	19.0

Manual Integrations
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#74

Fluoranthene

Concen: 17.171 ng

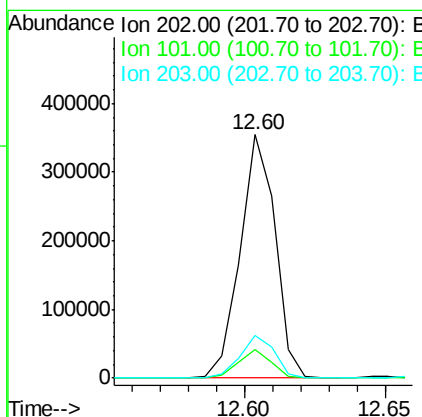
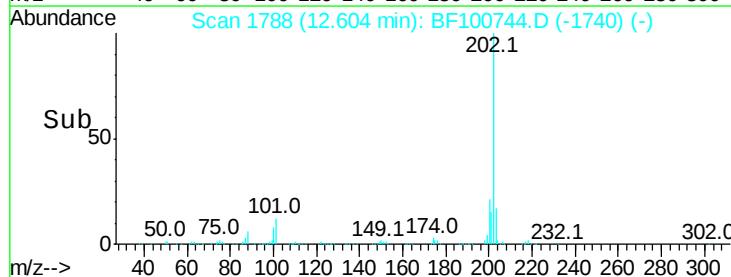
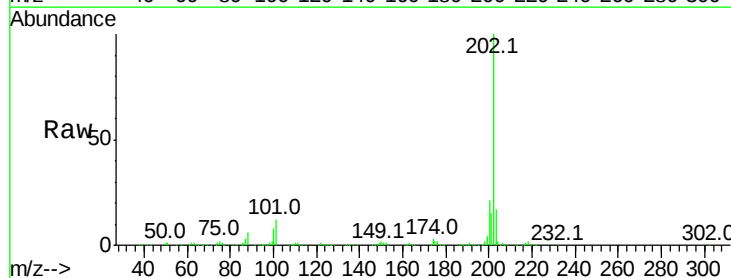
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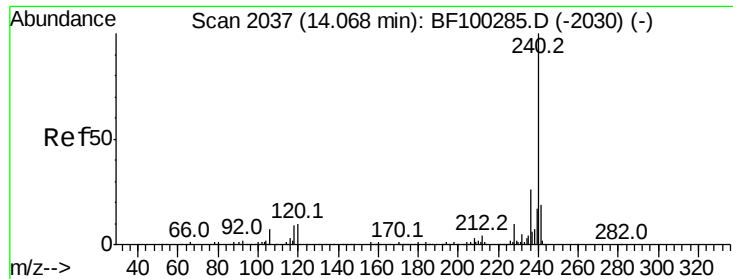
Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Tgt Ion:	202	Resp:	305339
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Instrument :

BNA_F

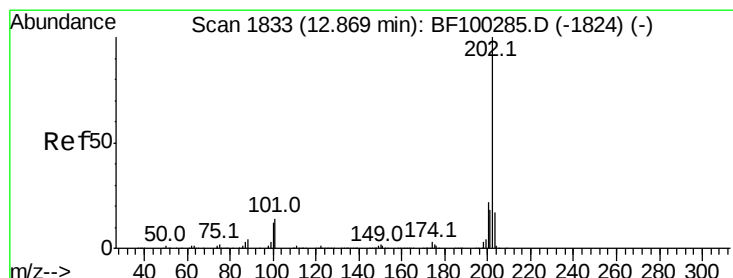
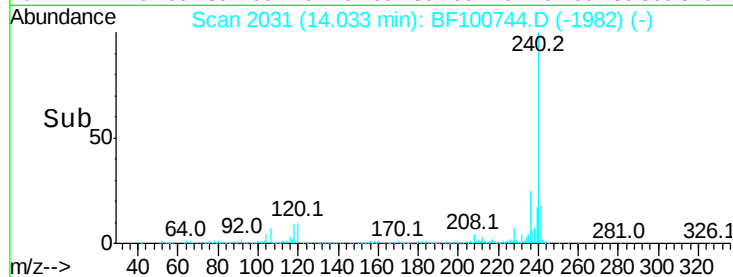
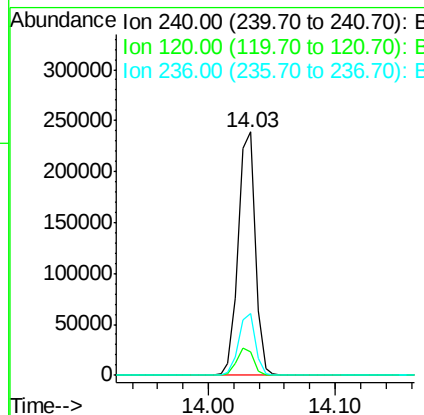
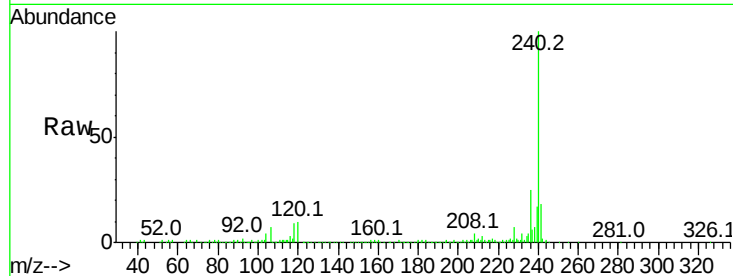
ClientSampleId :

CL-01-111617-A

Tot Ion:	240	Resp:	221858
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.5	14.3
236	25.3	20.7	31.1

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#77

Pyrene

Concen: 17.686 ng

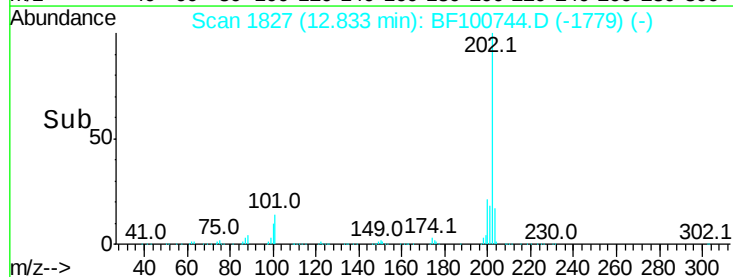
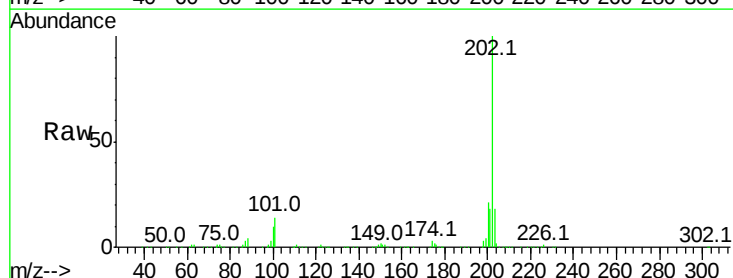
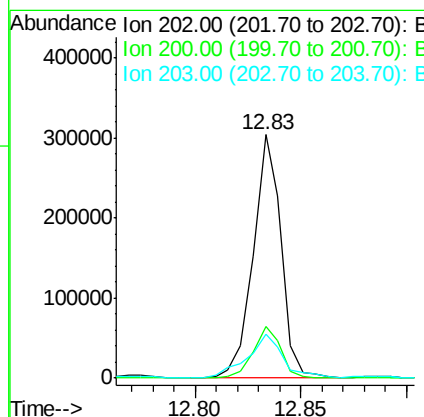
RT: 12.83 min Scan# 1827

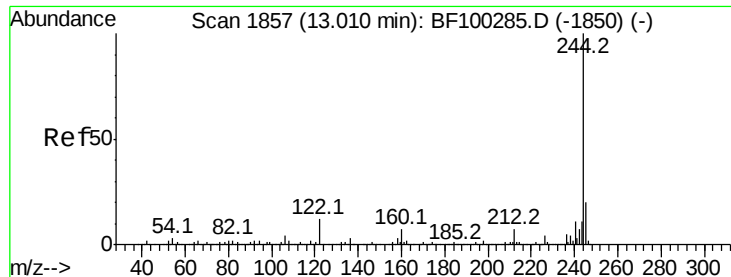
Delta R.T. -0.02 min

Lab File: BF100744.D

Acq: 20 Nov 2017 21:40

Tgt Ion:	202	Resp:	279695
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.8	14.3	21.5





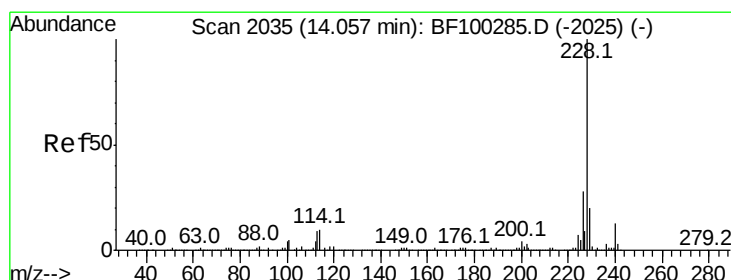
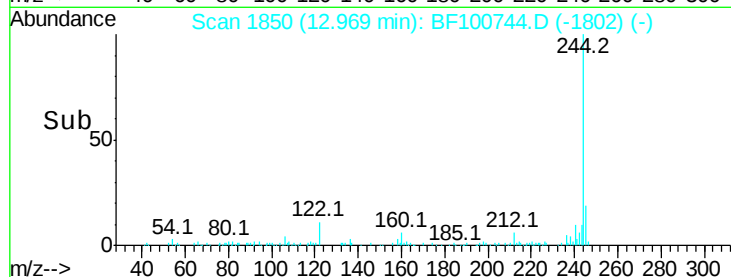
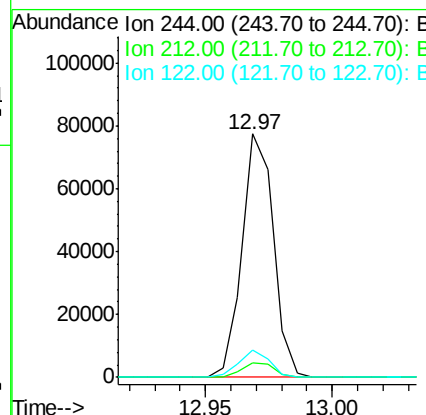
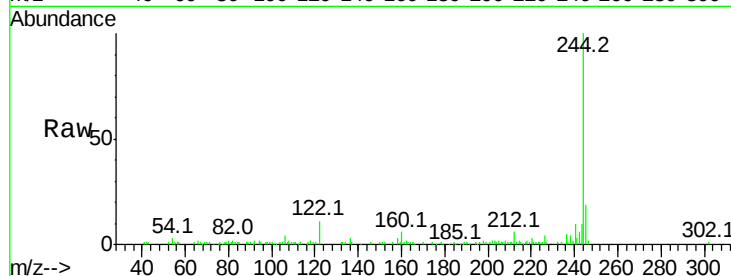
#78
 Terphenyl-d14
 Concen: 6.892 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.02 min
 Lab File: BF100744.D
 Acq: 20 Nov 2017 21:40

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	11.2	11.0	16.4

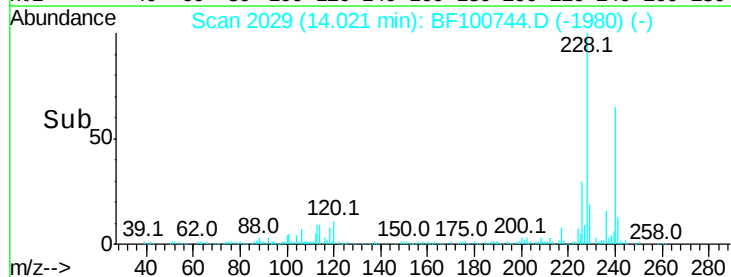
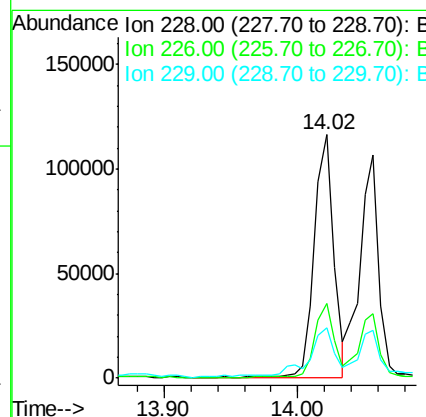
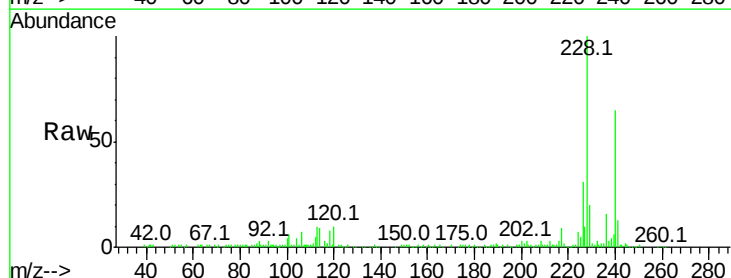
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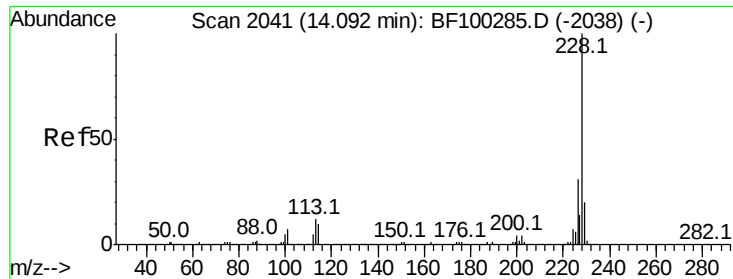
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#80
 Benzo(a)anthracene
 Concen: 8.734 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF100744.D
 Acq: 20 Nov 2017 21:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	20.5	15.8	23.6





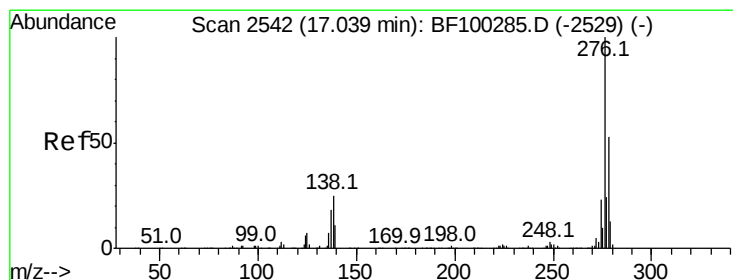
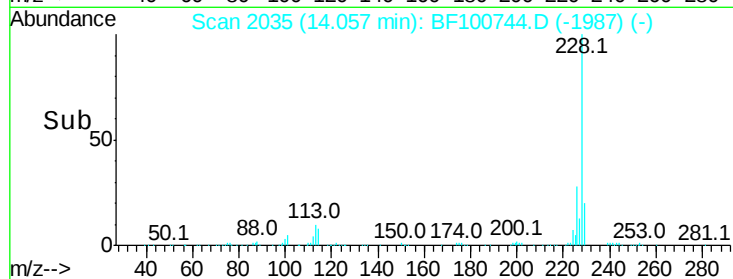
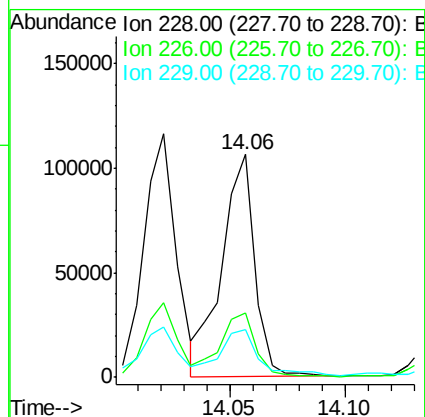
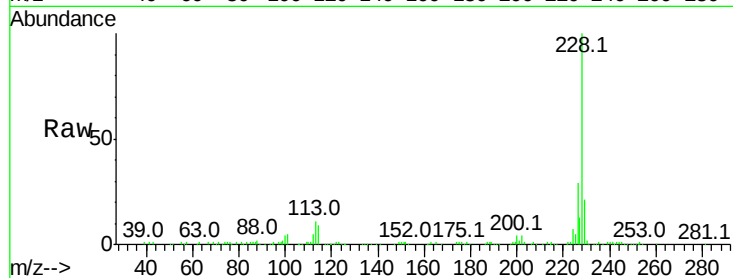
#82
Chrysene
Concen: 8.149 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	25.0	37.6
229	21.2	16.2	24.4

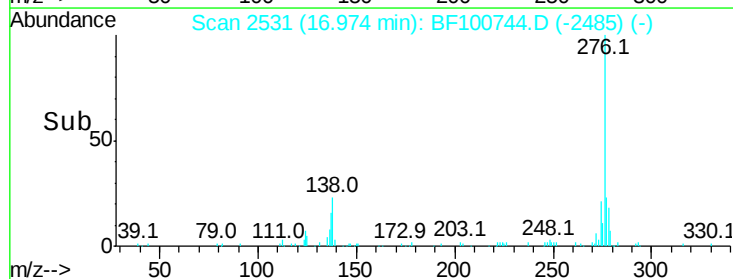
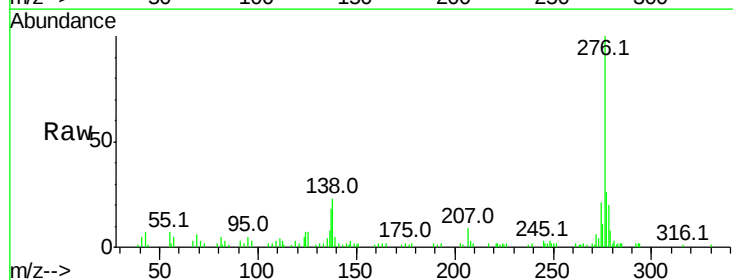
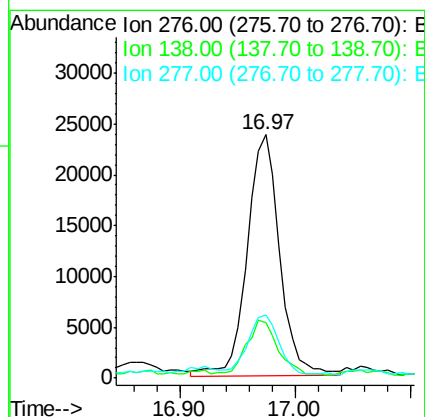
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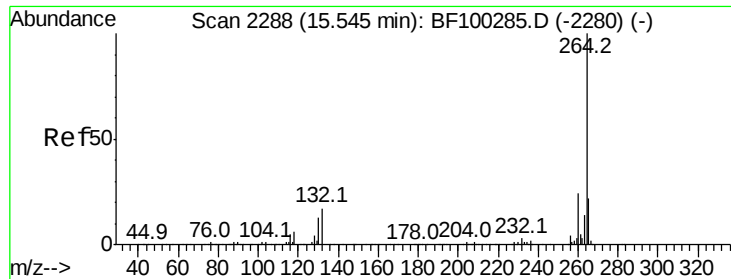
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.448 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.03 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.0	37.6#
277	24.3	20.1	30.1





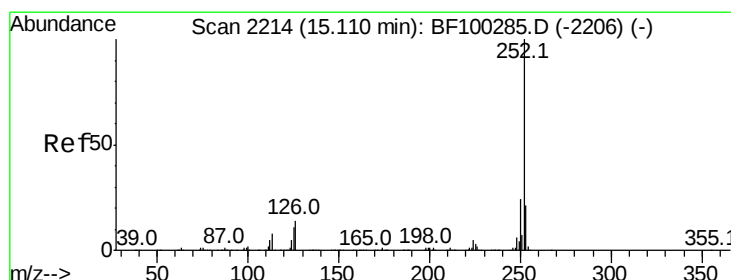
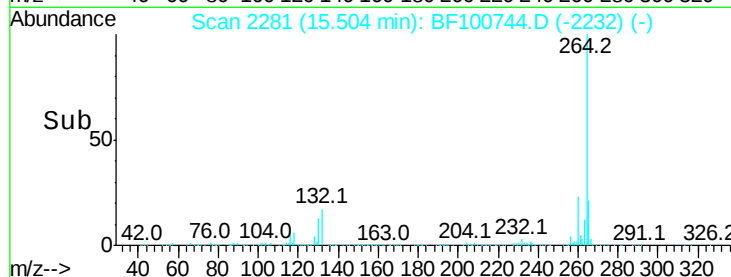
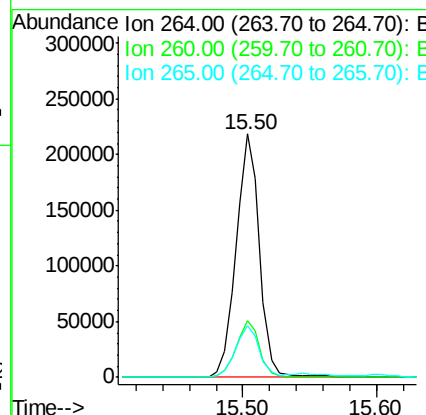
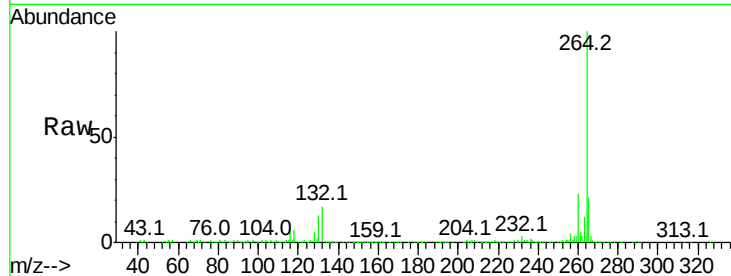
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	17.5	26.3

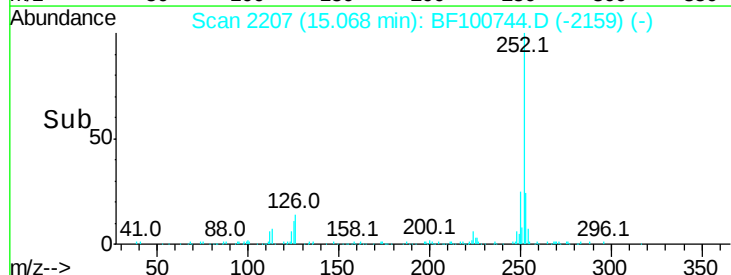
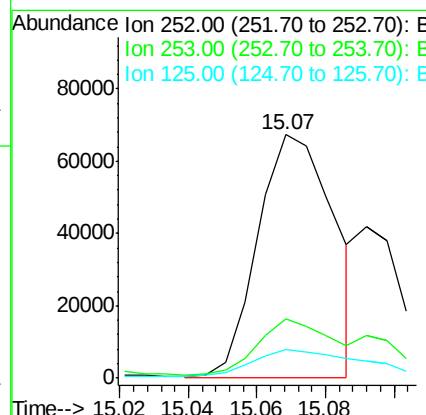
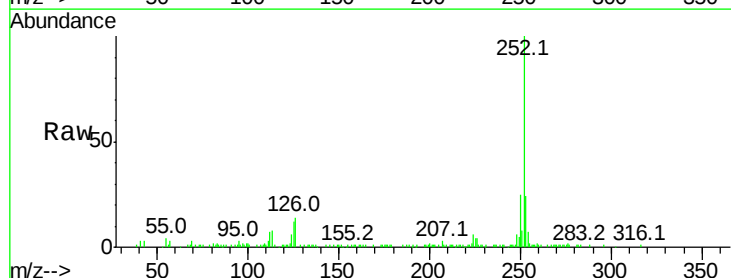
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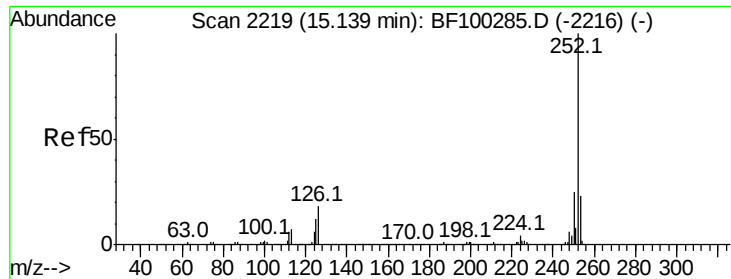
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#87
Benzo(b)fluoranthene
Concen: 6.604 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	12.0	9.0	13.6





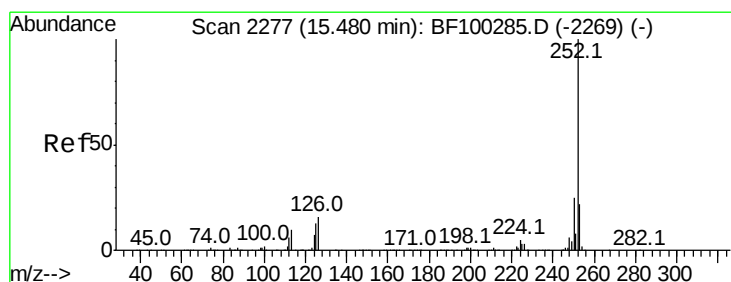
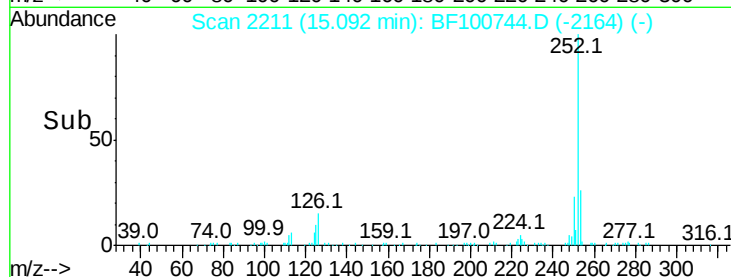
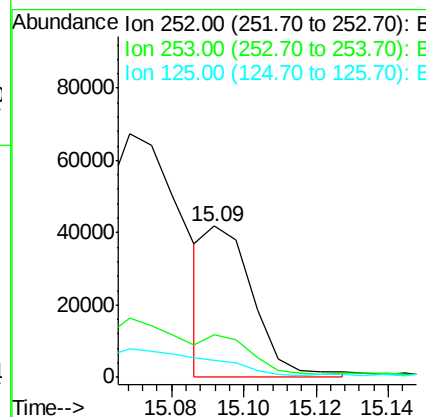
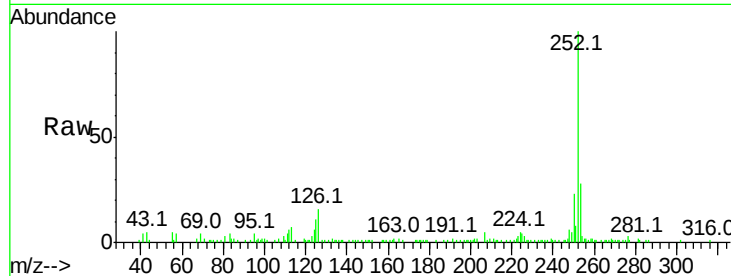
#88
Benzo(k)fluoranthene
Concen: 2.563 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.9	26.9
125	11.4	10.2	15.2

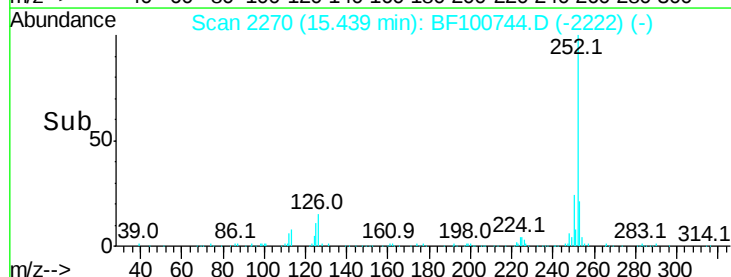
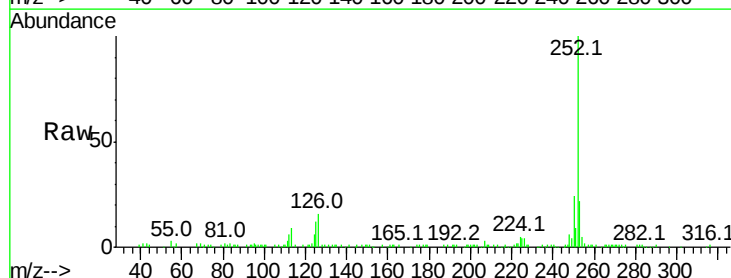
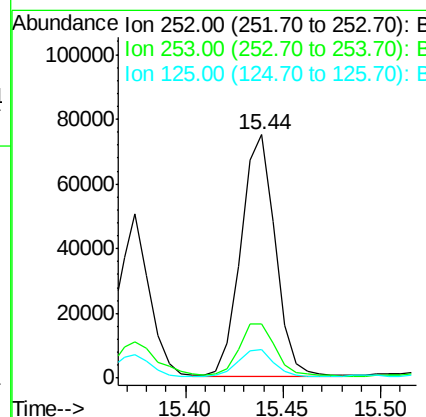
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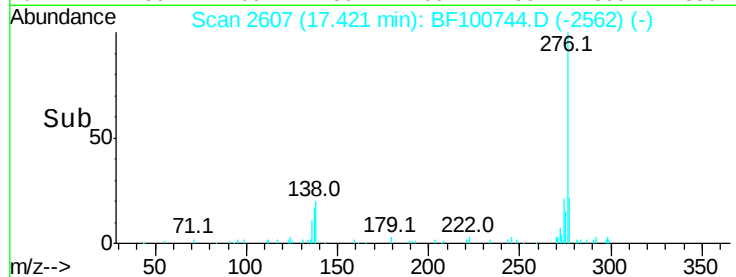
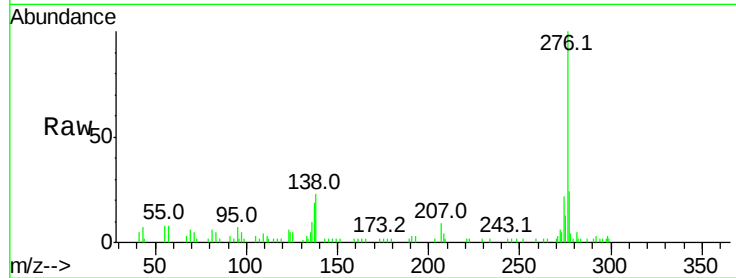
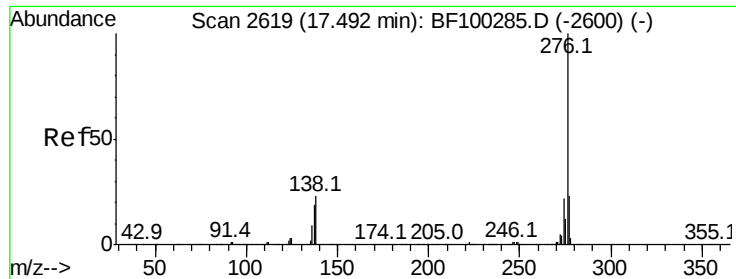
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#89
Benzo(a)pyrene
Concen: 6.495 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100744.D
Acq: 20 Nov 2017 21:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	11.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.737 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.04 min
 Lab File: BF100744.D
 Acq: 20 Nov 2017 21:40

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	22.8	21.8	32.8

Manual Integrations
 APPROVED

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