

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100844.D
 Acq On : 23 Nov 2017 00:48
 Operator : SJ/JU
 Sample : I6548-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAU-3-E(4-5)

Manual Integrations
 APPROVED

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 11/27/2017 3:20:34 PM

Quant Time: Nov 27 03:49:31 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	6.86	152	82263	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	327951	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	148332	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	270813	20.00	ng	-0.02
75) Chrysene-d12	14.02	240	160667	20.00	ng	-0.02
86) Perylene-d12	15.50	264	182610	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	428723	83.54	ng	0.00
7) Phenol-d6	6.49	99	532059	84.08	ng	-0.02
23) Nitrobenzene-d5	7.42	82	335464	67.63	ng	-0.03
41) 2,4,6-Tribromophenol	10.69	330	134615	89.06	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	628955	64.57	ng	-0.02
78) Terphenyl-d14	12.97	244	472999	67.64	ng	-0.02
Target Compounds						
10) Phenol	6.50	94	18028	2.714	ng	99
49) Dimethylphthalate	9.61	163	56224	4.964	ng	99
70) Phenanthrene	11.41	178	162949	11.428	ng	98
71) Anthracene	11.46	178	32558	2.251	ng	99
74) Fluoranthene	12.60	202	253844	16.798	ng	96
77) Pyrene	12.83	202	226389	19.767	ng	98
80) Benzo(a)anthracene	14.01	228	96540	9.978	ng	99
82) Chrysene	14.05	228	90827	9.694	ng	97
85) Indeno(1,2,3-cd)pyrene	16.96	276	61420	8.105	ng	# 88
87) Benzo(b)fluoranthene	15.06	252	122530m	11.326	ng	
88) Benzo(k)fluoranthene	15.09	252	41497m	4.060	ng	
89) Benzo(a)pyrene	15.43	252	92561m	9.651	ng	
90) Dibenzo(a,h)anthracene	16.97	278	15930m	2.031	ng	
91) Benzo(g,h,i)perylene	17.42	276	57140m	7.442	ng	

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

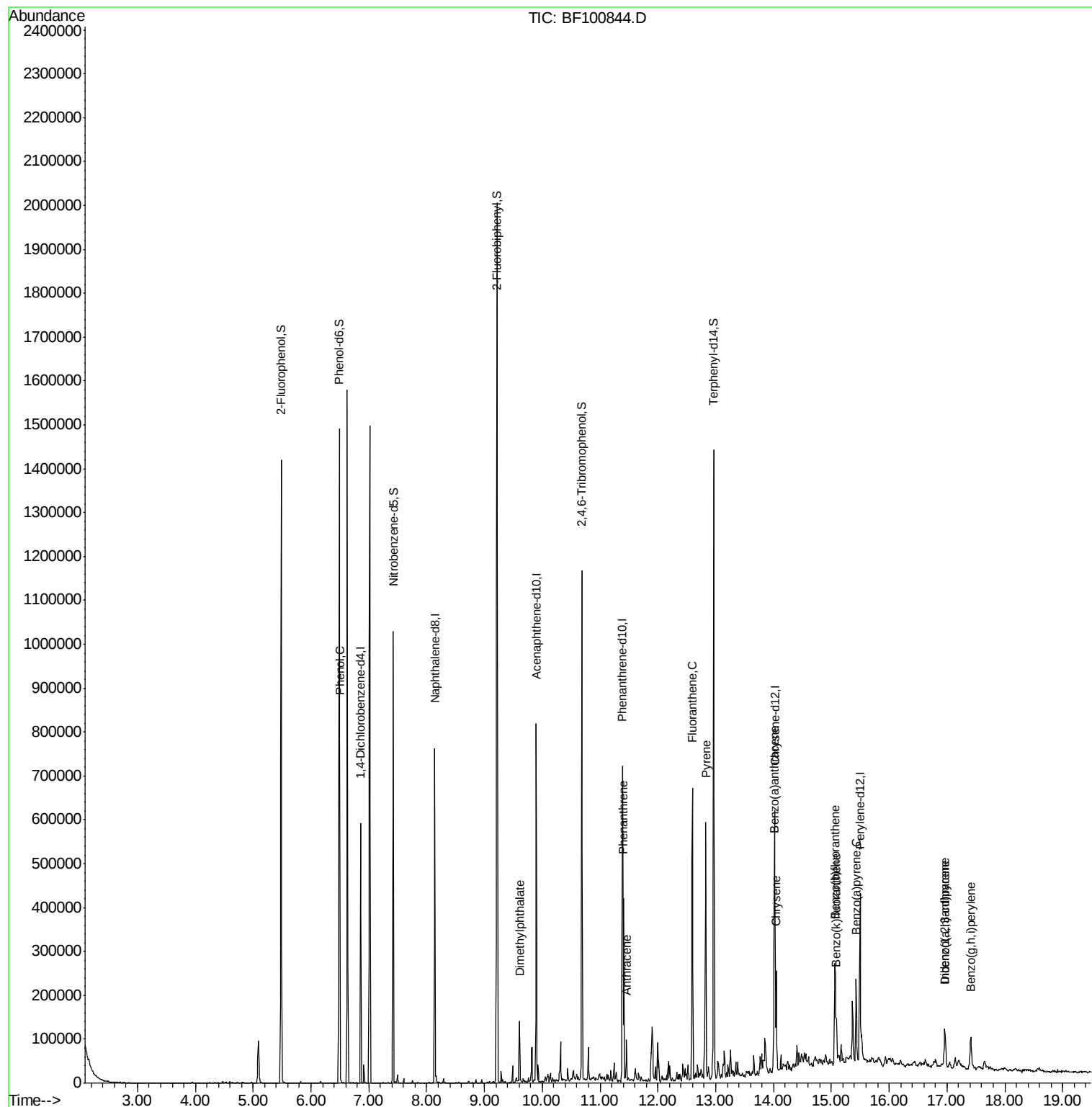
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
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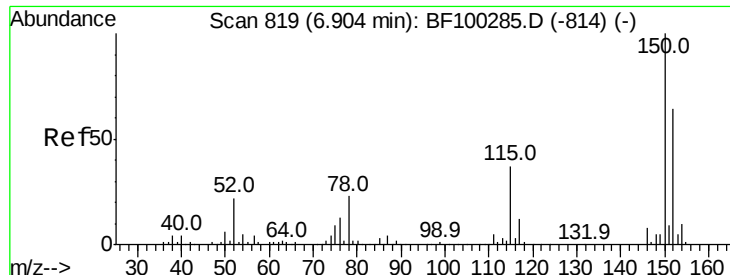
Instrument :
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SAU-3-E(4-5)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
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#1

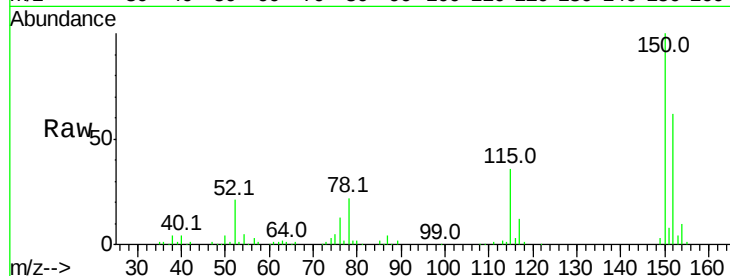
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	58.3	50.1	75.1

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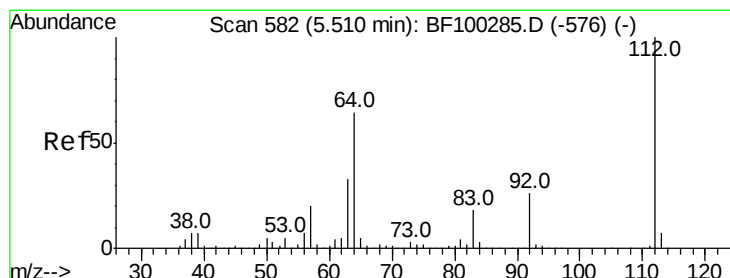
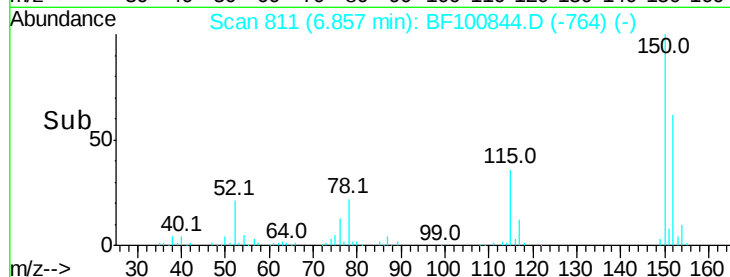
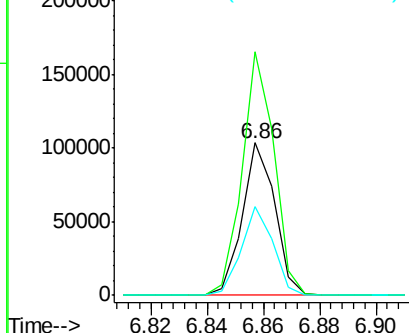


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

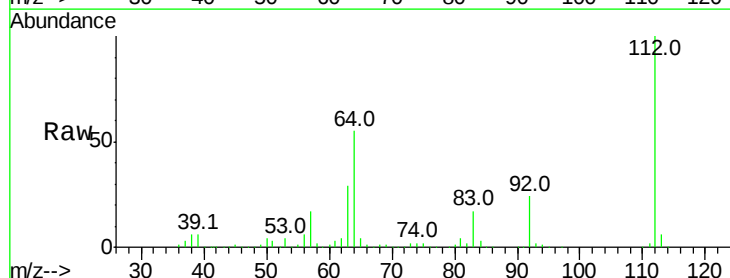
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.542 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	28.9	23.7	35.5

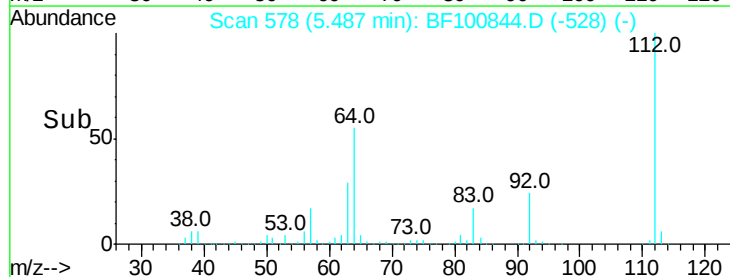
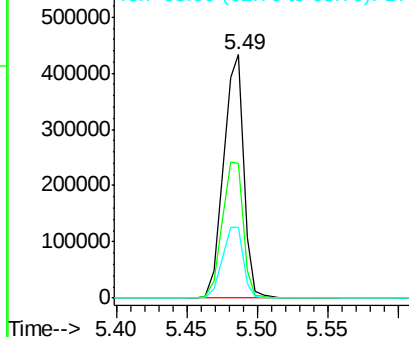


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 84.077 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

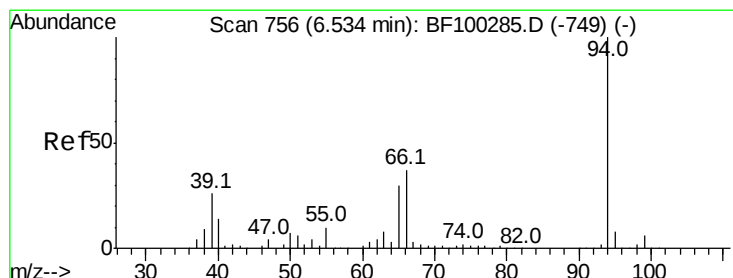
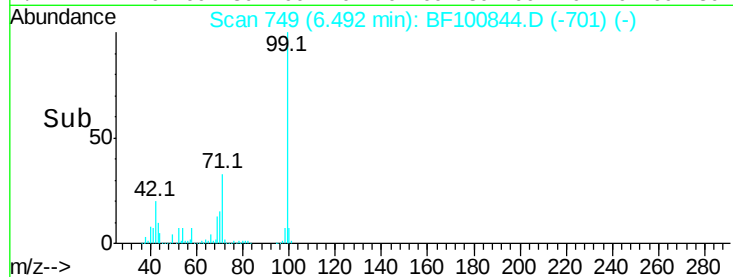
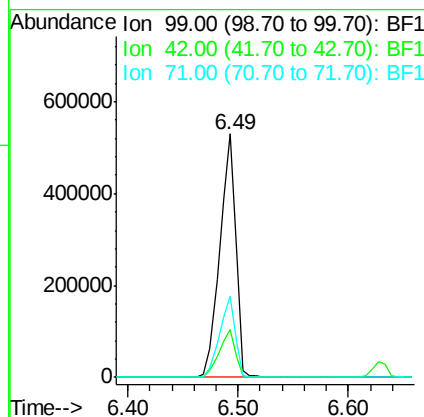
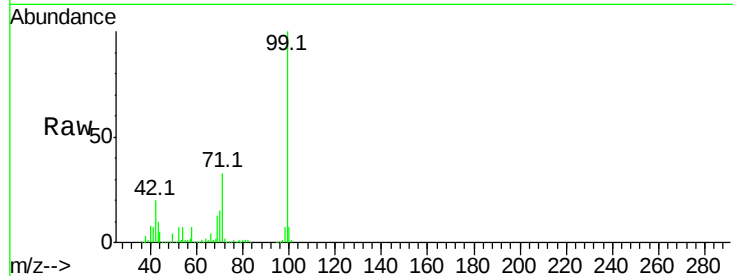
ClientSampleId :

SAU-3-E(4-5)

Tot Ion:	99	Resp:	532059
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	33.1	25.4	38.0

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#10

Phenol

Concen: 2.714 ng

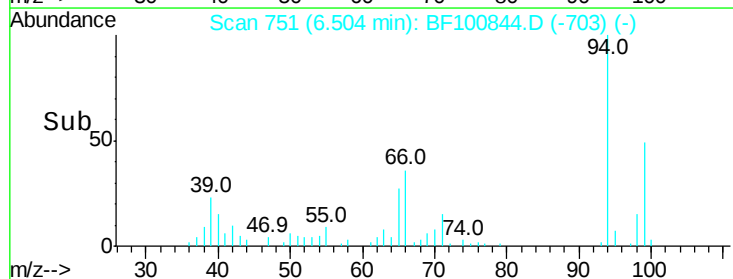
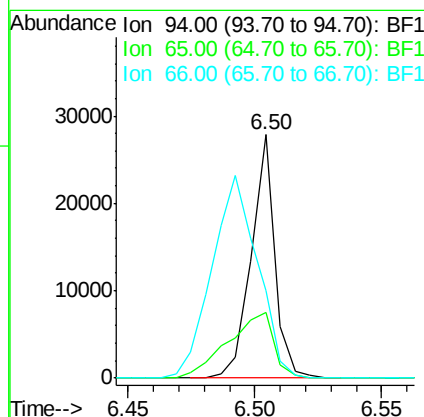
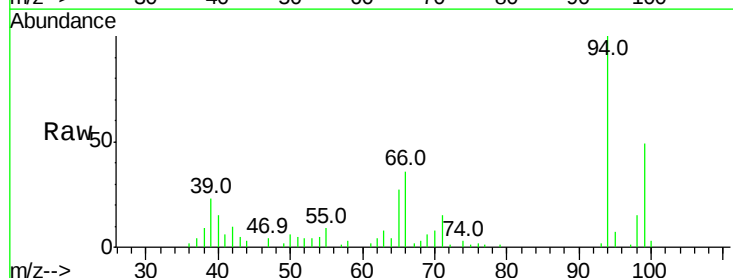
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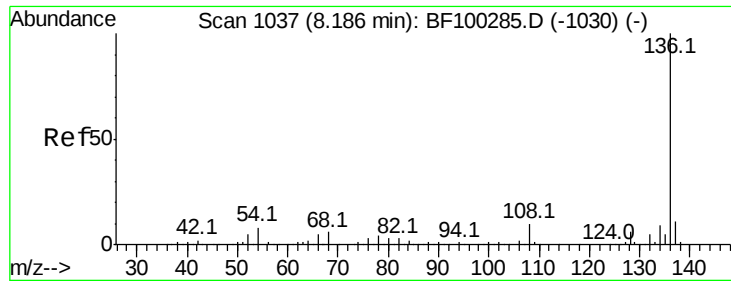
Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Tgt Ion:	94	Resp:	18028
Ion Ratio	Lower	Upper	
94	100		
65	26.8	7.9	47.9
66	35.7	16.2	56.2





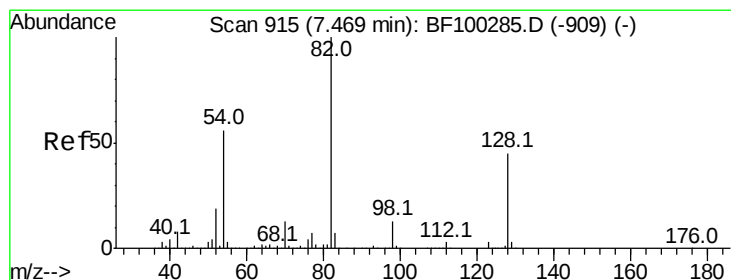
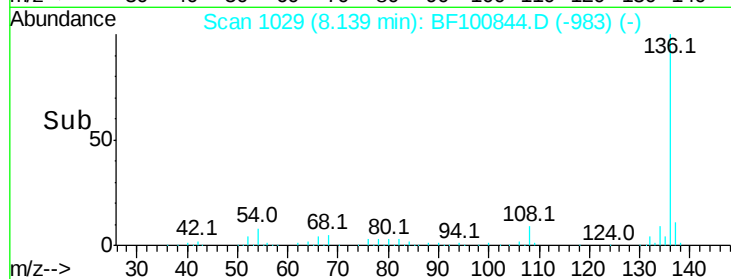
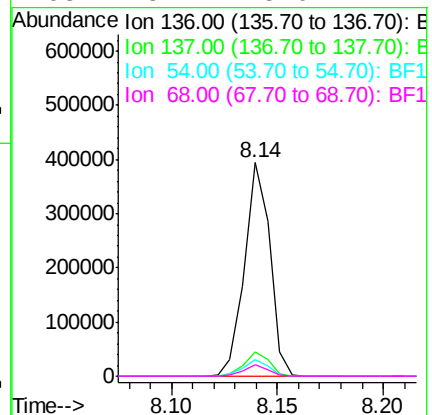
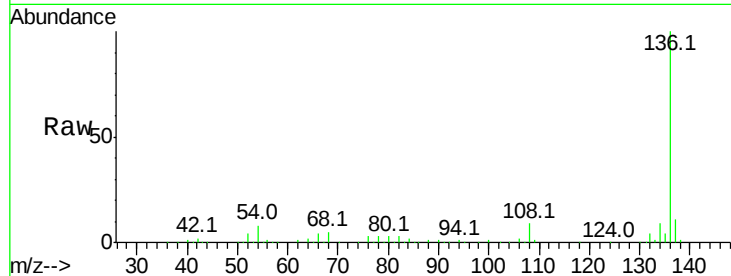
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	8.0	6.6	9.8	
68	5.1	5.0	7.4	

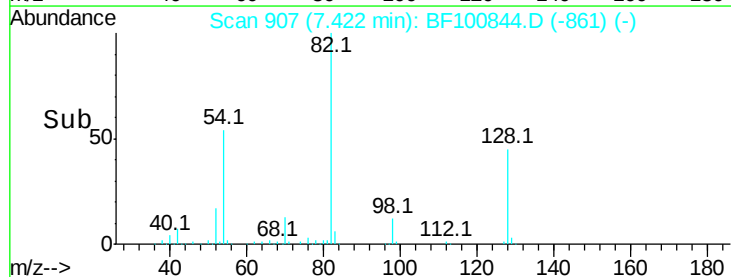
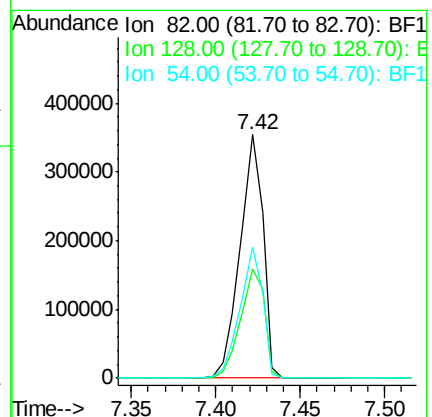
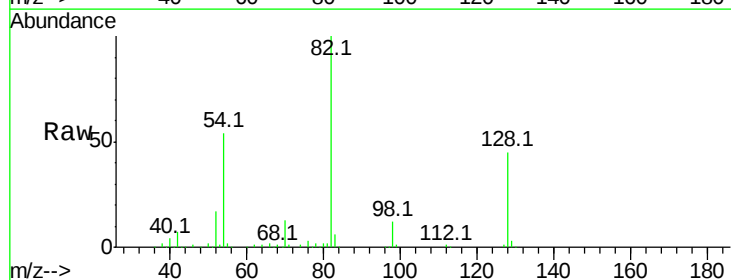
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#23
Nitrobenzene-d5
Concen: 67.628 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.03 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.0	36.1	54.1	
54	53.7	41.4	62.2	





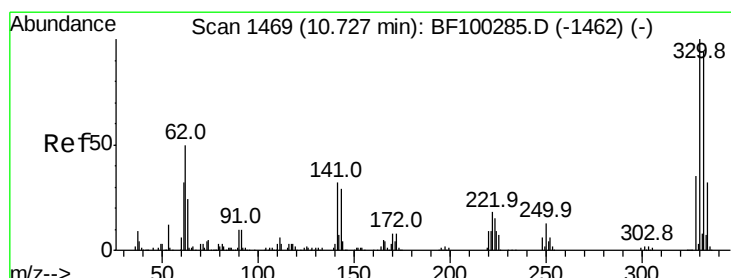
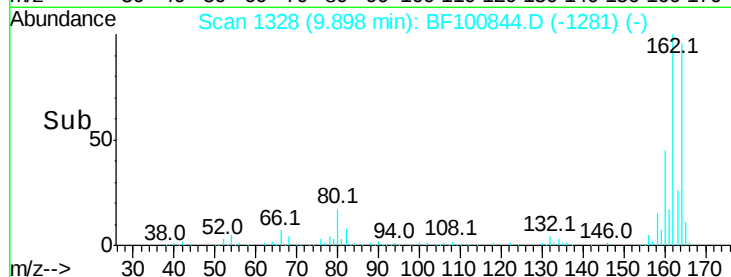
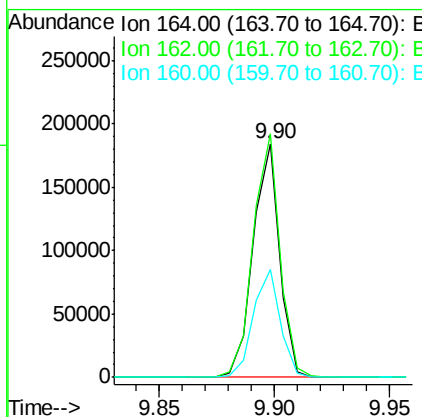
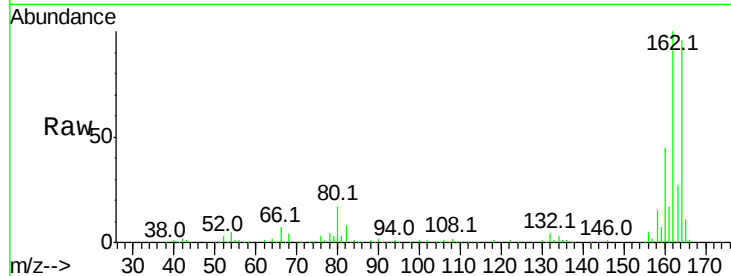
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	46.4	38.3	57.5

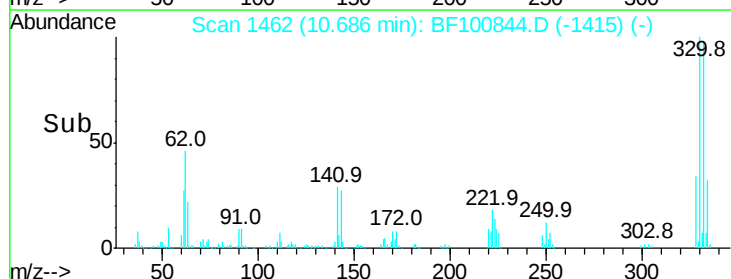
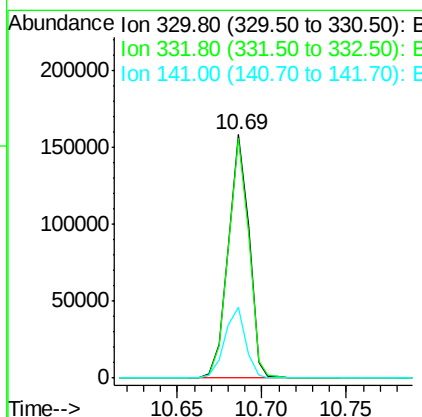
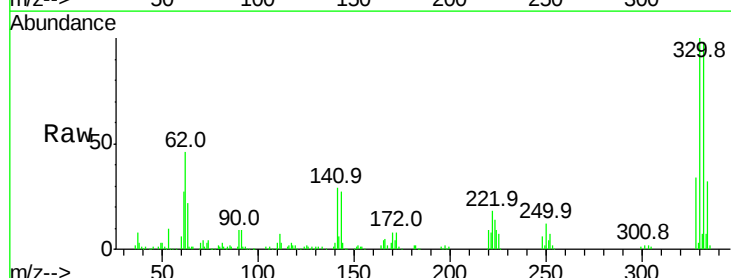
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#41
2,4,6-Tribromophenol
Concen: 89.060 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.0	115.6
141	29.4	29.9	44.9#





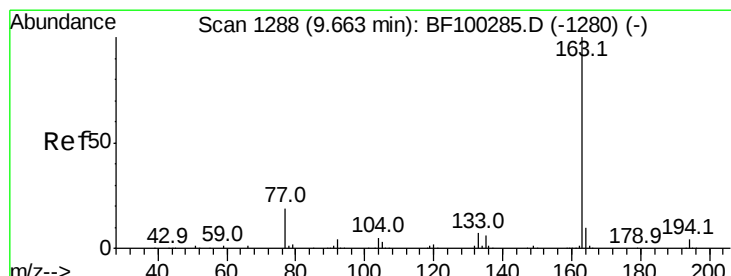
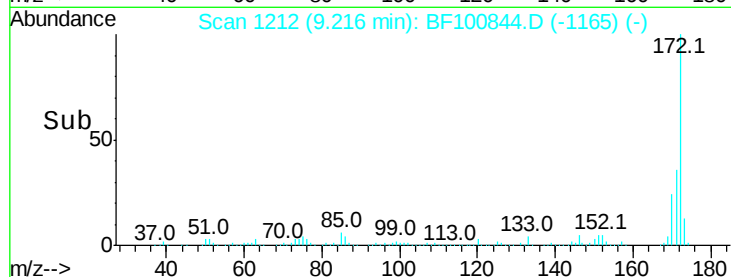
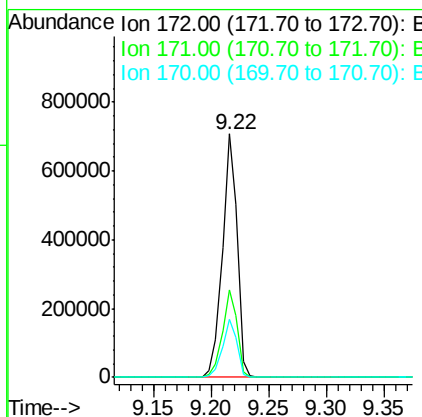
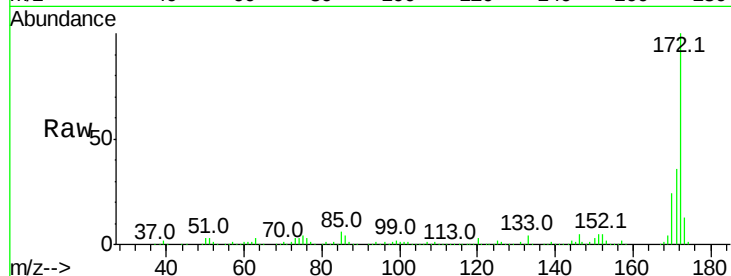
#44
2-Fluorobiphenyl
Concen: 64.566 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	628955		
171	36.0		29.7	44.5
170	23.9		19.6	29.4

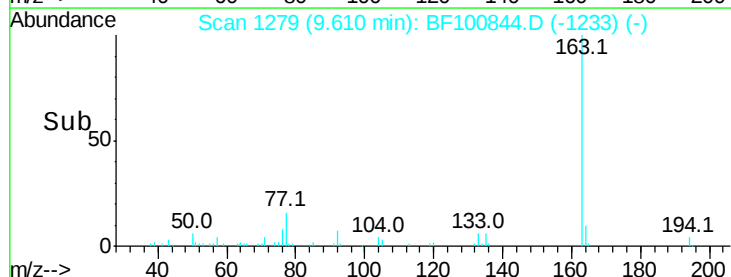
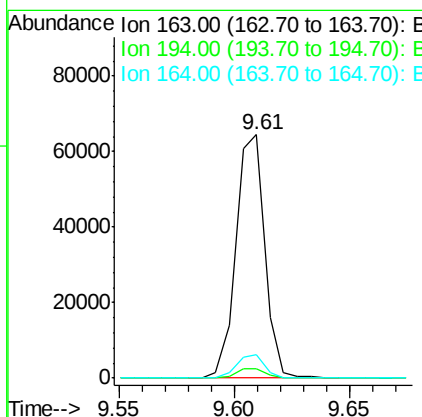
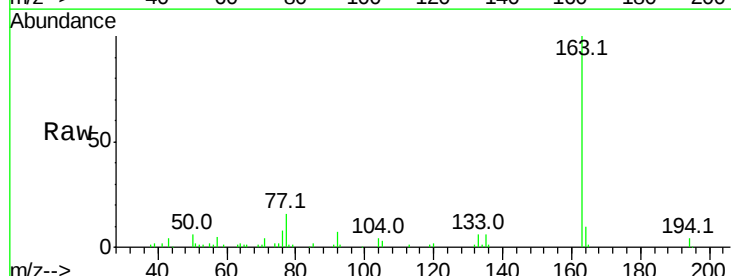
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#49
Dimethylphthalate
Concen: 4.964 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.03 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	56224		
194	4.0		2.7	4.1
164	9.7		8.2	12.2





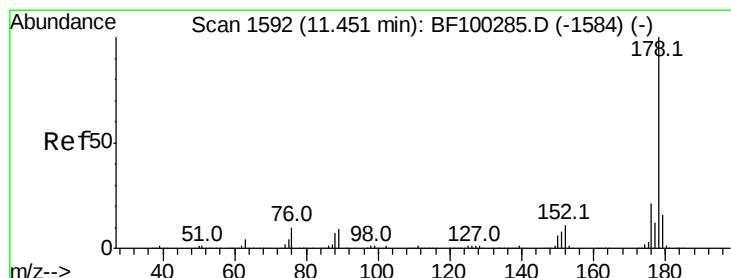
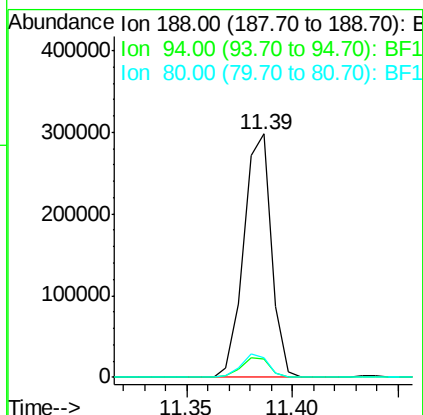
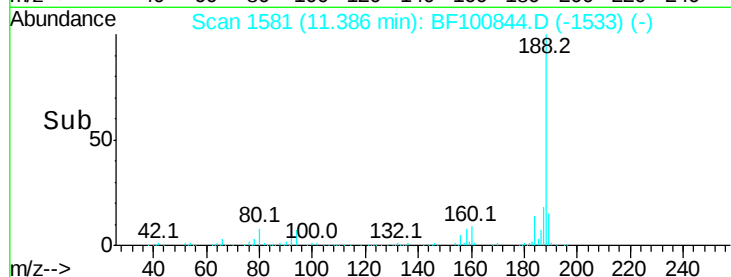
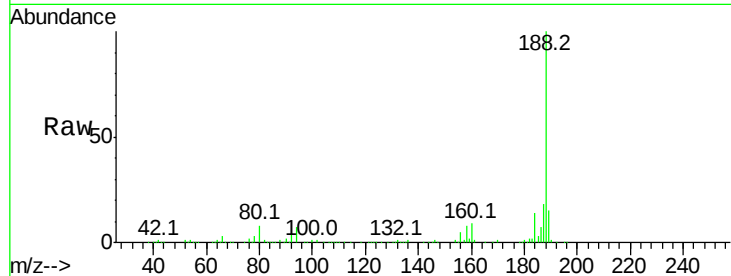
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(4-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.5	8.5	12.7#
80	8.3	9.2	13.8#

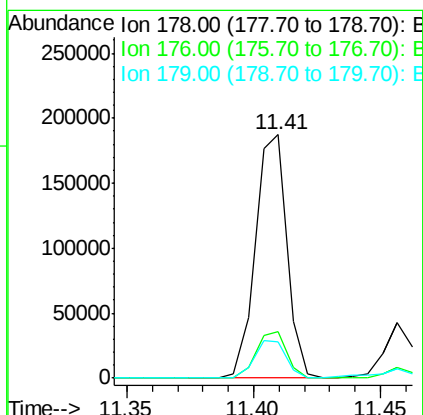
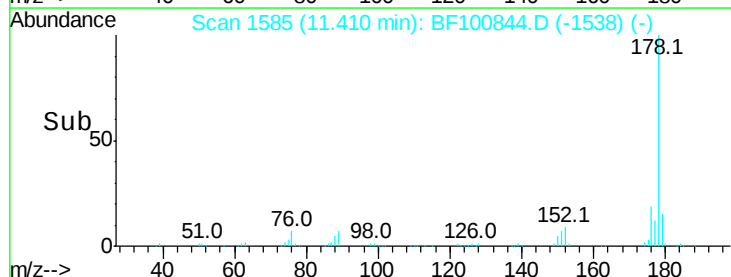
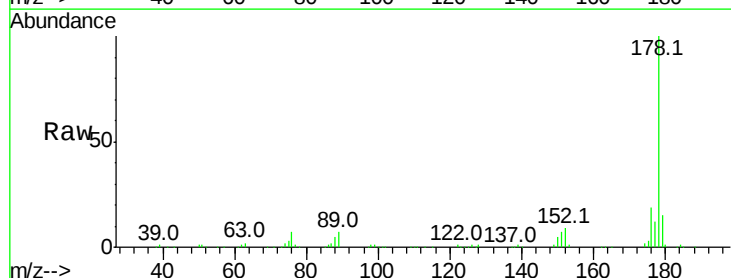
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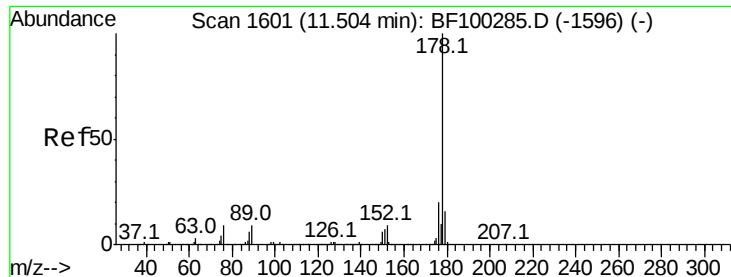
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#70
Phenanthrene
Concen: 11.428 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.9	13.0	19.6





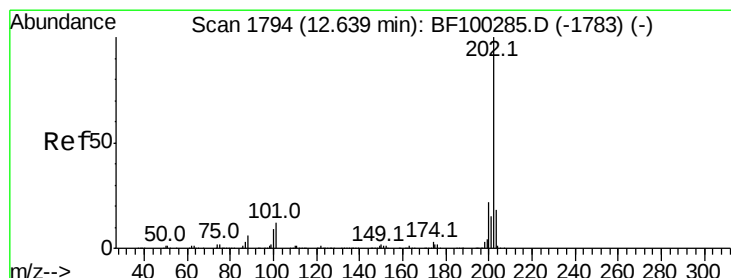
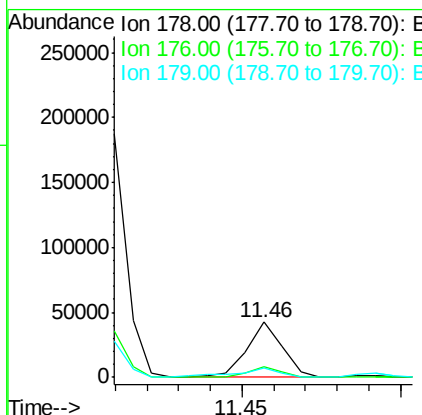
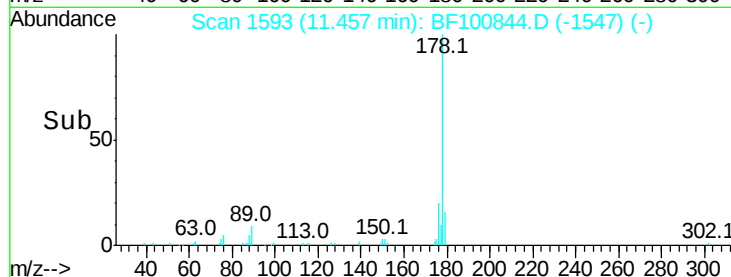
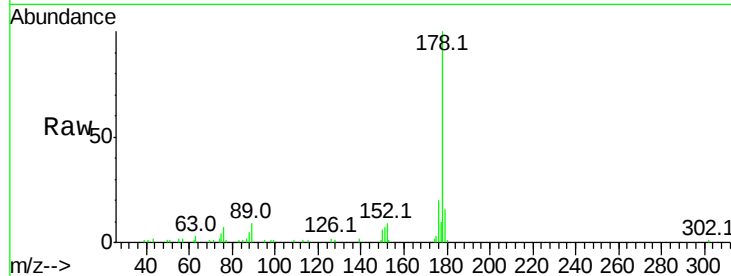
#71
 Anthracene
 Concen: 2.251 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.03 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :
 SAU-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	16.3	12.6	19.0

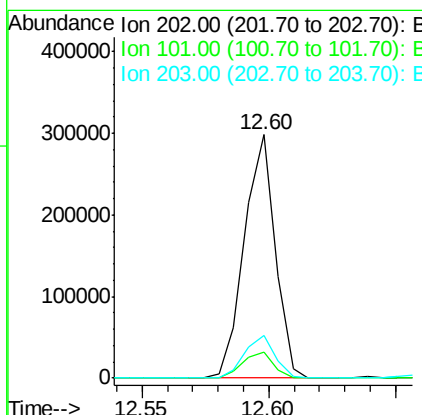
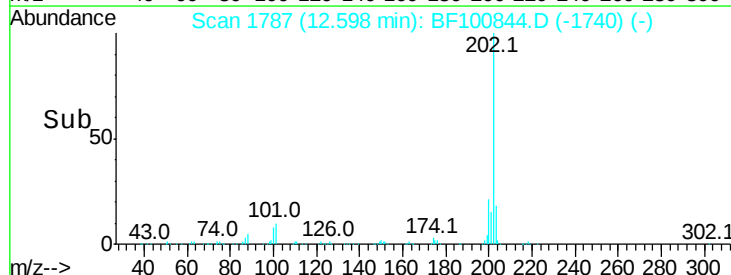
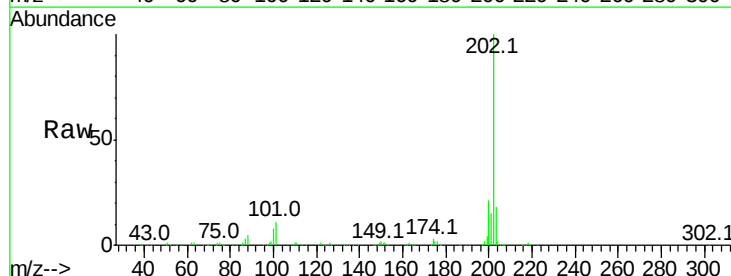
Manual Integrations
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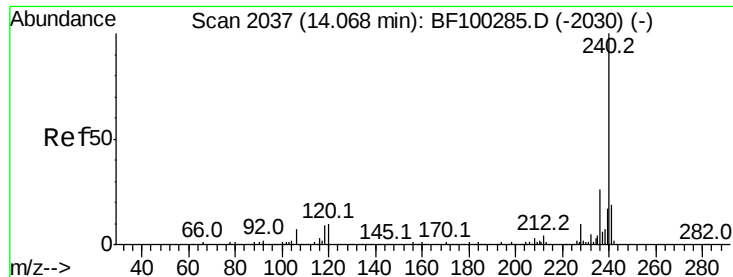
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#74
 Fluoranthene
 Concen: 16.798 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

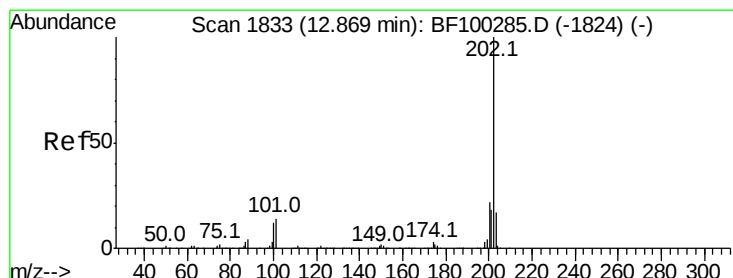
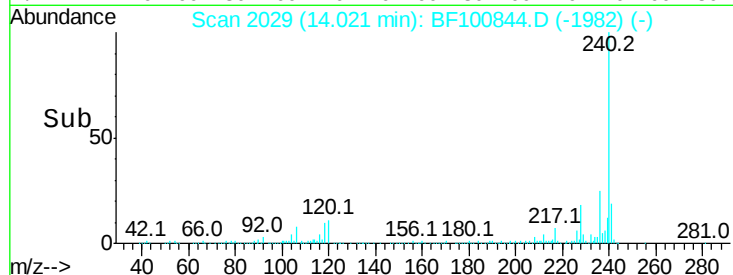
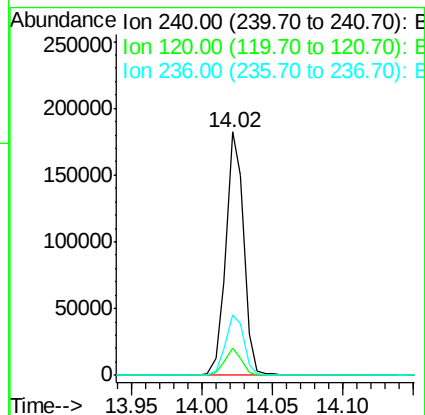
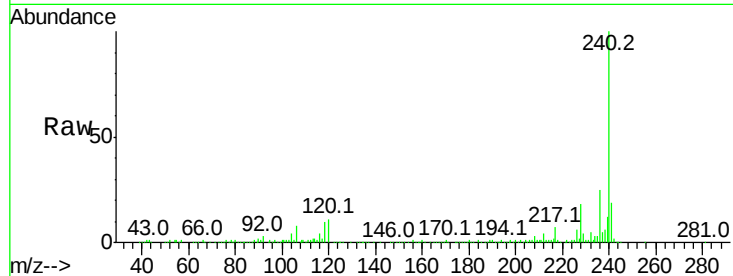
ClientSampleId :

SAU-3-E(4-5)

Tot Ion:	240	Resp:	160667
Ion Ratio		Lower	Upper
240	100		
120	11.1	9.5	14.3
236	24.7	20.7	31.1

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#77

Pyrene

Concen: 19.767 ng

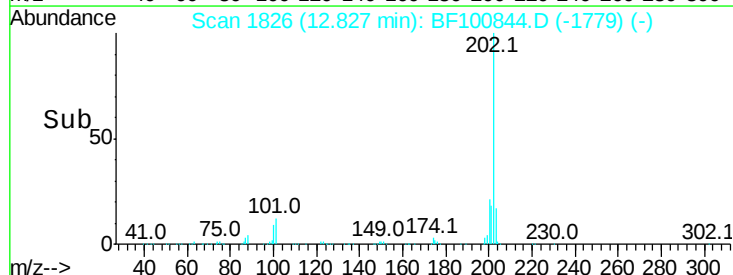
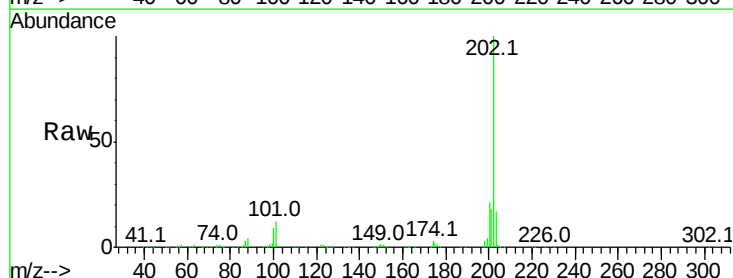
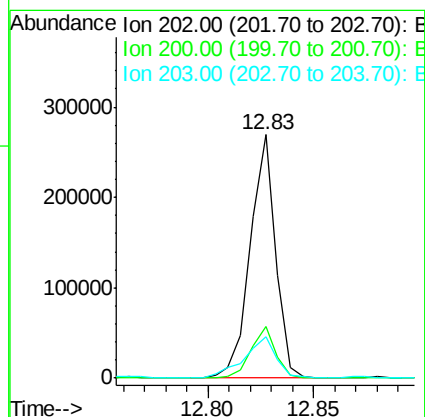
RT: 12.83 min Scan# 1826

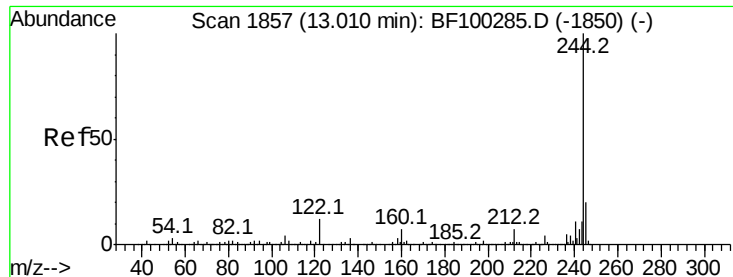
Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Tgt Ion:	202	Resp:	226389
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.0	14.3	21.5





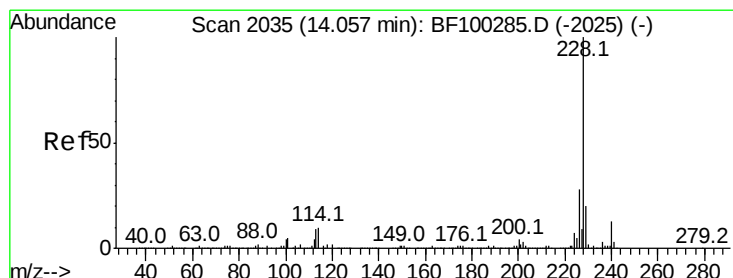
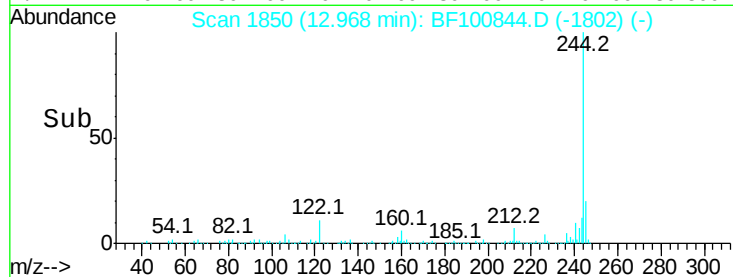
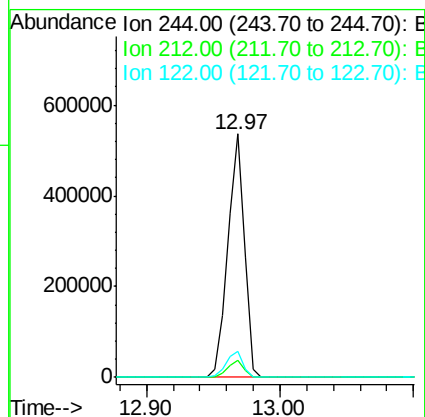
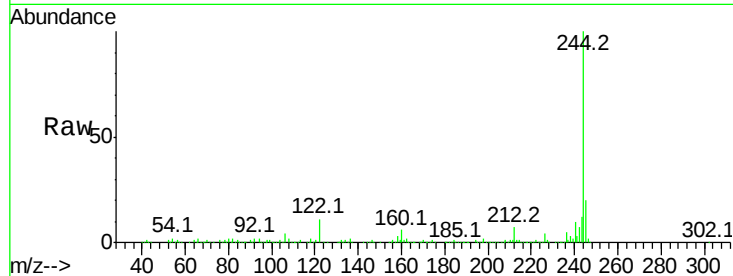
#78
 Terphenyl-d14
 Concen: 67.644 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :
 SAU-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.9	11.0	16.4#

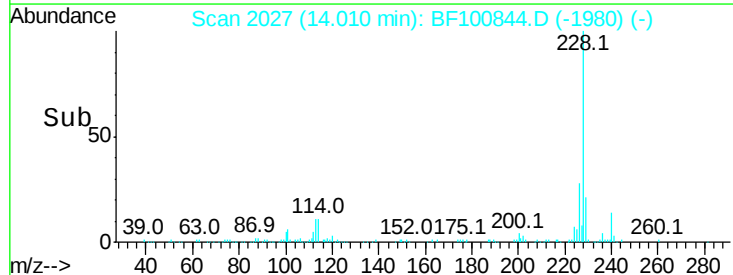
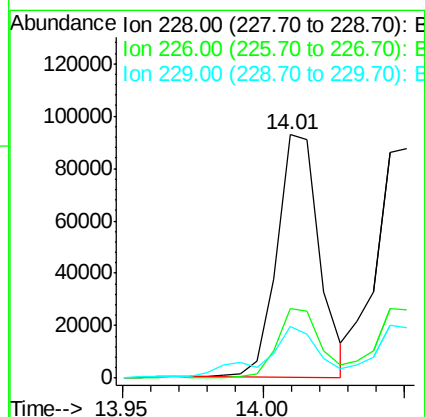
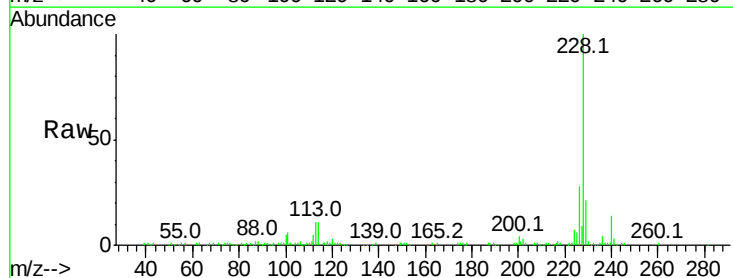
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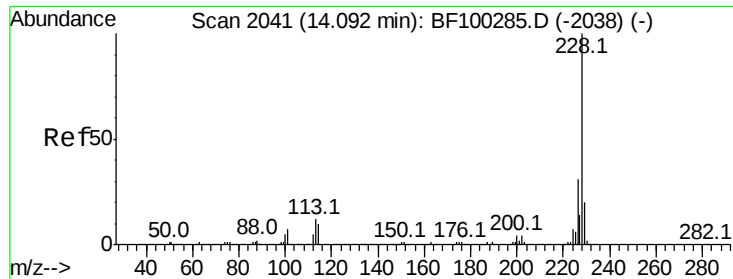
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#80
 Benzo(a)anthracene
 Concen: 9.978 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF100844.D
 Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.9	15.8	23.6





#82

Chrysene

Concen: 9.694 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Instrument :

BNA_F

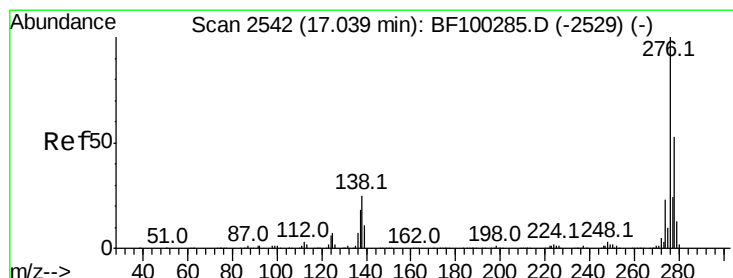
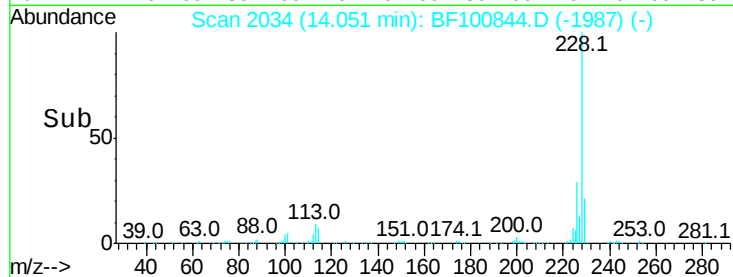
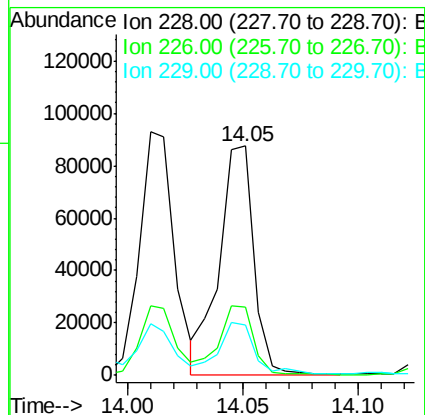
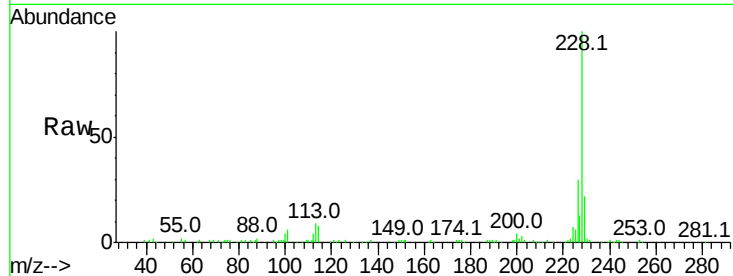
ClientSampleId :

SAU-3-E(4-5)

Tot Ion:228	Resp:	90827
Ion Ratio	Lower	Upper
228 100		
226 29.8	25.0	37.6
229 21.7	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.105 ng

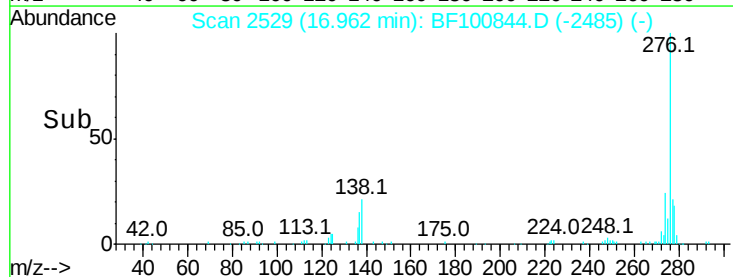
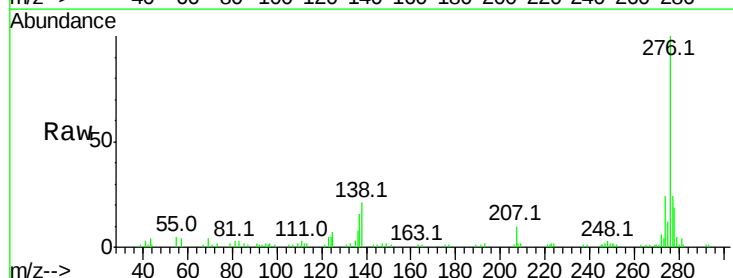
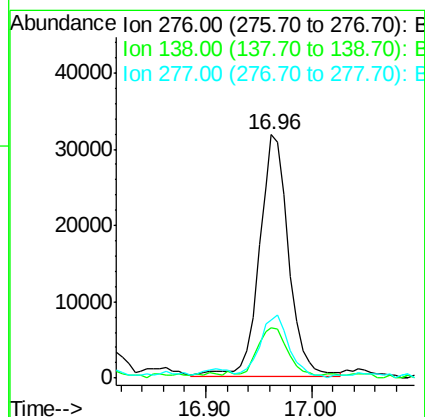
RT: 16.96 min Scan# 2529

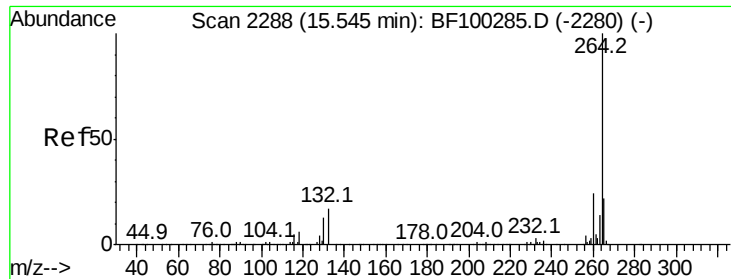
Delta R.T. -0.04 min

Lab File: BF100844.D

Acq: 23 Nov 2017 00:48

Tgt Ion:276	Resp:	61420
Ion Ratio	Lower	Upper
276 100		
138 20.3	25.0	37.6#
277 26.6	20.1	30.1





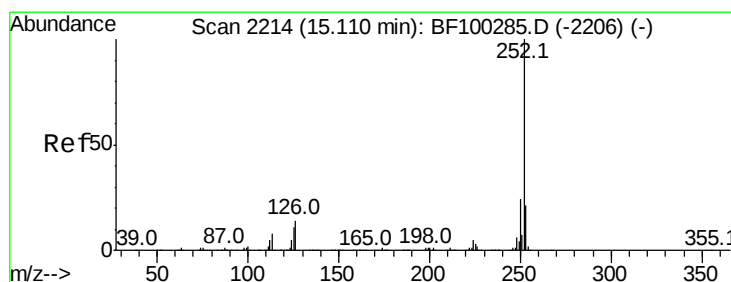
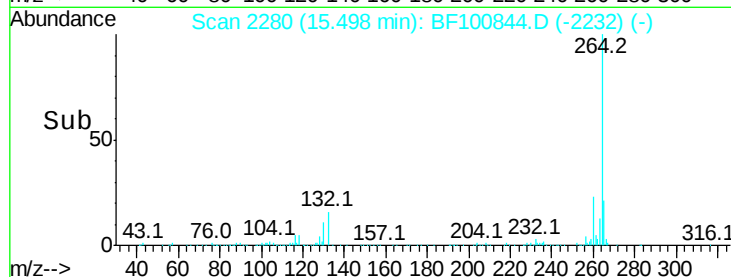
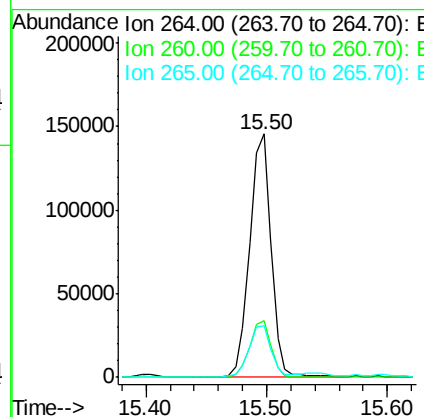
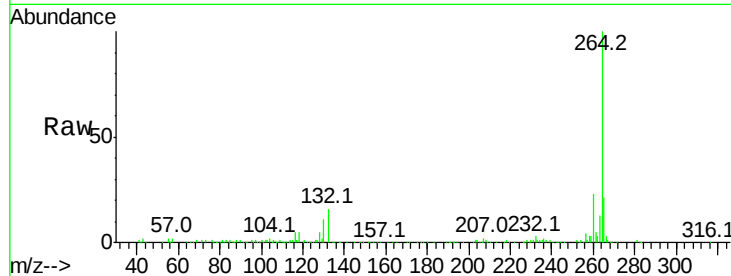
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.2	17.5	26.3

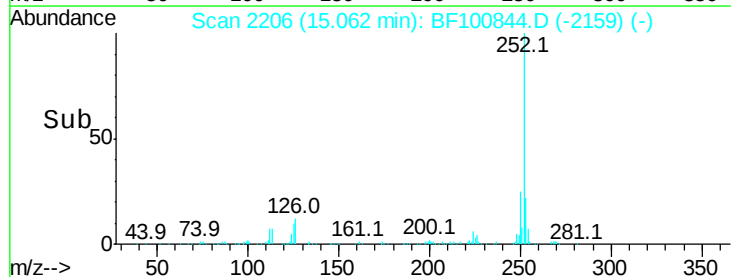
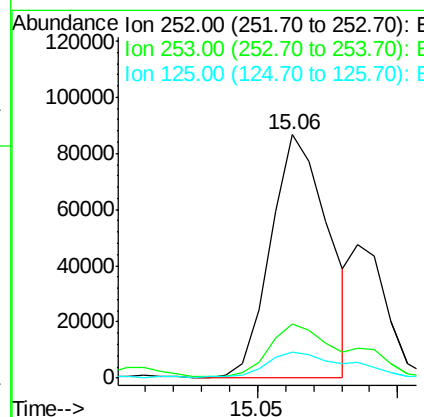
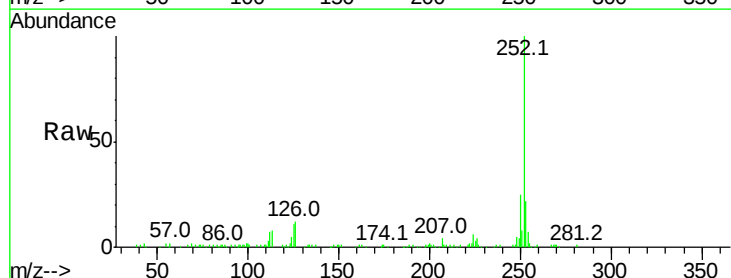
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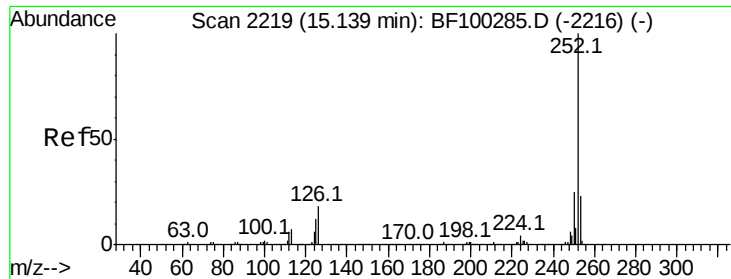
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#87
Benzo(b)fluoranthene
Concen: 11.326 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	10.7	9.0	13.6





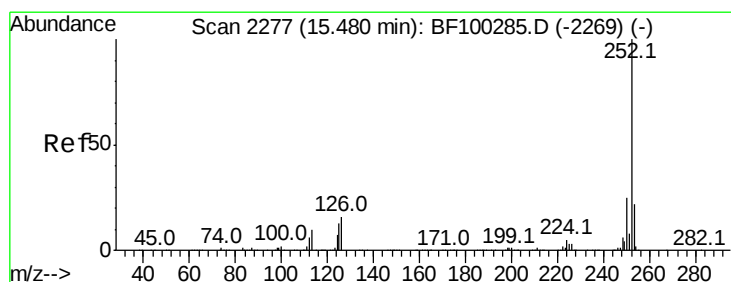
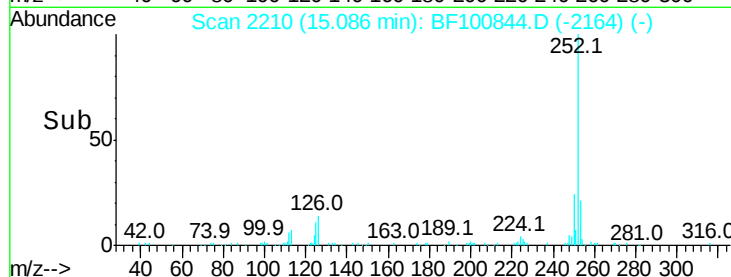
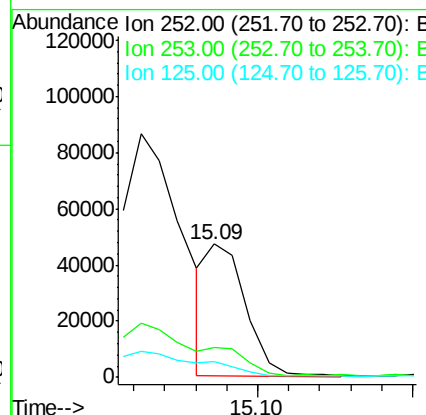
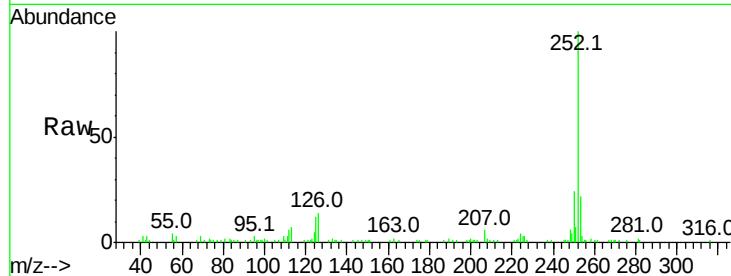
#88
Benzo(k)fluoranthene
Concen: 4.060 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.03 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampled :
SAU-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	11.6	10.2	15.2

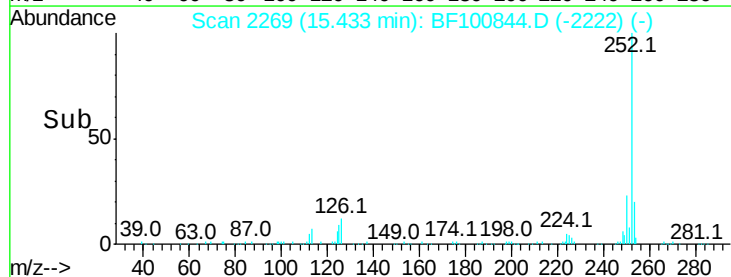
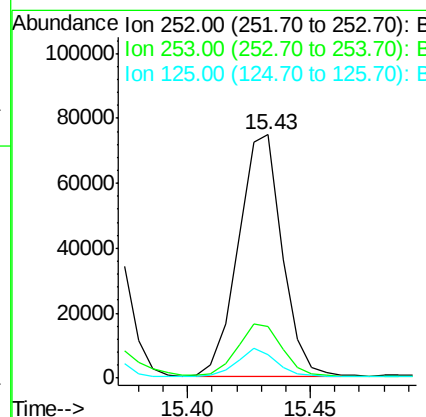
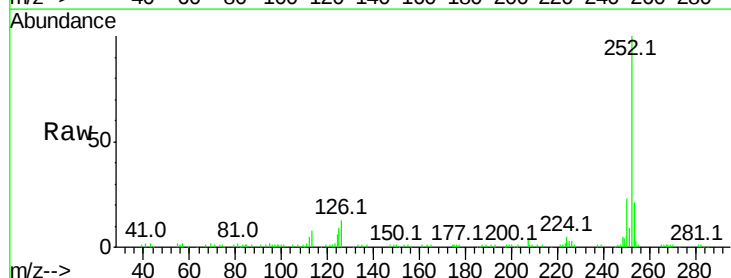
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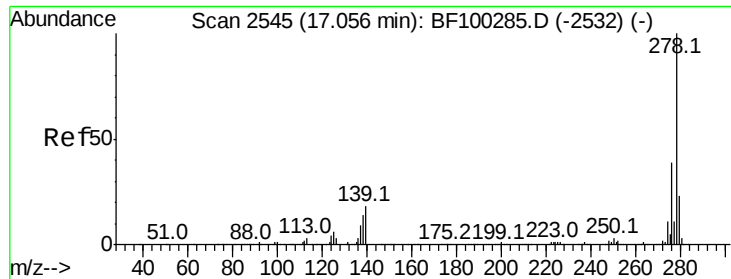
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#89
Benzo(a)pyrene
Concen: 9.651 ng m
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	9.4	9.8	14.6#





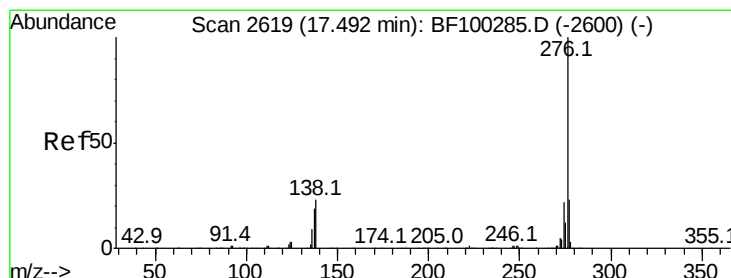
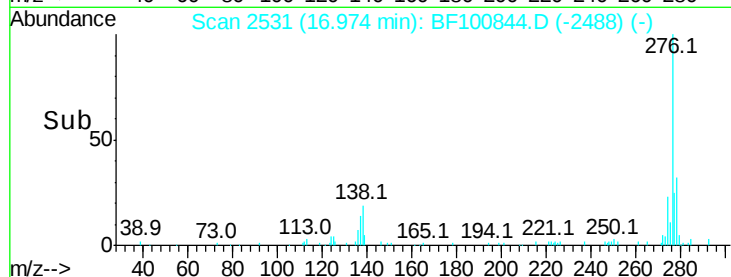
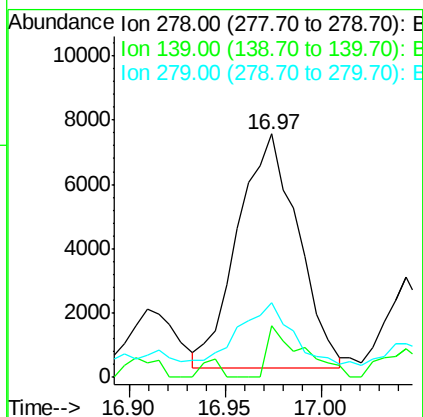
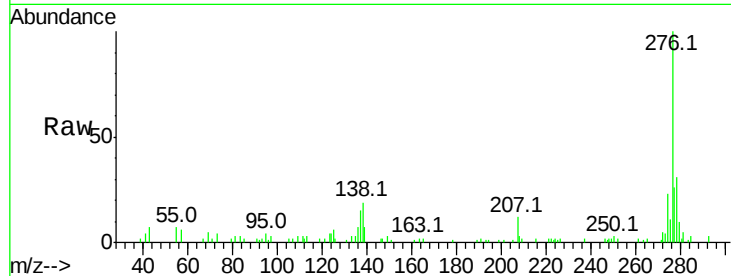
#90
Dibenzo(a,h)anthracene
Concen: 2.031 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.05 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Instrument :
BNA_F
ClientSampleId :
SAU-3-E(4-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.3	15.9	23.9
279	30.7	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.442 ng m
RT: 17.42 min Scan# 2606
Delta R.T. -0.04 min
Lab File: BF100844.D
Acq: 23 Nov 2017 00:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	21.3	21.8	32.8

