

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100743.D
 Acq On : 20 Nov 2017 21:13
 Operator : SJ/JU
 Sample : I6521-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-(0-5)

Manual Integrations
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 11/21/2017 2:15:39 PM

Quant Time: Nov 21 04:49:13 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	94935	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	373150	20.00	ng	-0.02
38) Acenaphthene-d10	9.90	164	169804	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	304865	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	187675	20.00	ng	-0.02
86) Perylene-d12	15.50	264	222474	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	707553	119.47	ng	0.00
7) Phenol-d6	6.50	99	868784	118.96	ng	0.00
23) Nitrobenzene-d5	7.43	82	538486	95.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	223522	129.18	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	995356	89.26	ng	-0.01
78) Terphenyl-d14	12.98	244	739045	90.48	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.51	94	26642	3.475	ng	89
49) Dimethylphthalate	9.62	163	72467	5.590	ng	99
70) Phenanthrene	11.42	178	204103	12.715	ng	98
74) Fluoranthene	12.60	202	259216	15.238	ng	97
77) Pyrene	12.83	202	250075	18.693	ng	98
80) Benzo(a)anthracene	14.02	228	112794	9.980	ng	97
82) Chrysene	14.06	228	123095	11.248	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	76938m	8.691	ng	
87) Benzo(b)fluoranthene	15.07	252	146892m	11.145	ng	
88) Benzo(k)fluoranthene	15.10	252	55620m	4.466	ng	
89) Benzo(a)pyrene	15.44	252	104911	8.978	ng	96
90) Dibenzo(a,h)anthracene	16.98	278	21637	2.264	ng	97
91) Benzo(a,h,i)perylene	17.42	276	71411	7.634	ng	# 93

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

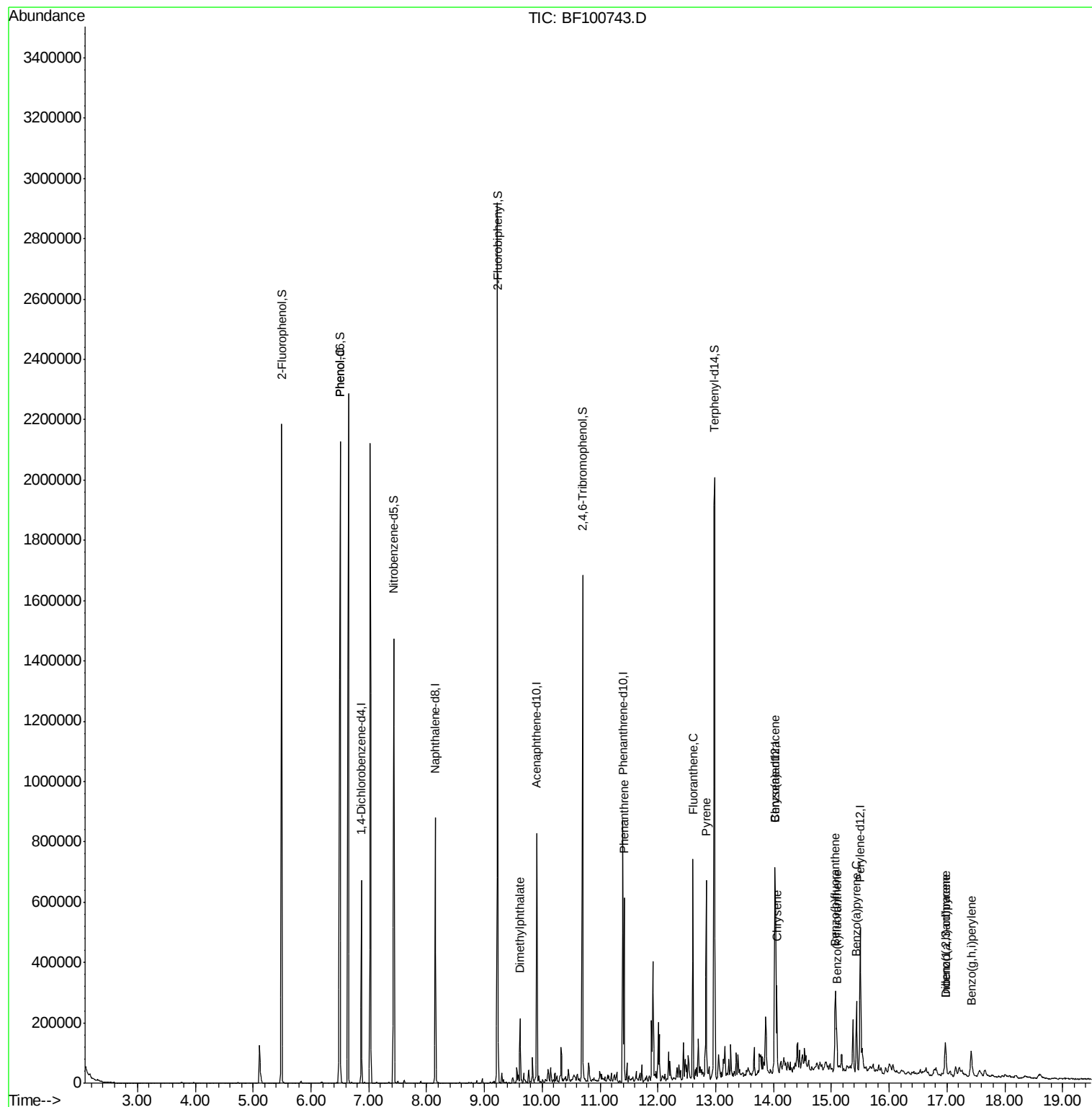
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
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ALS Vial : 11 Sample Multiplier: 1

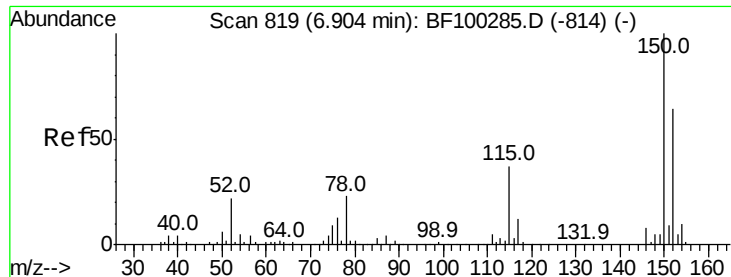
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#1

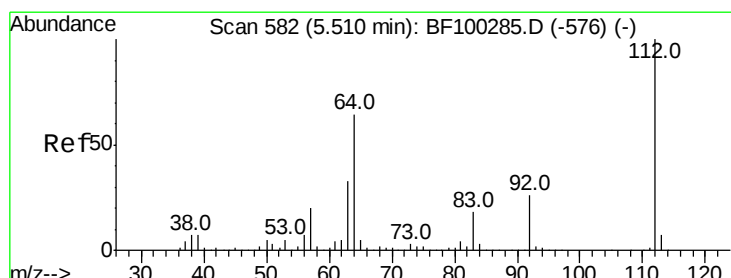
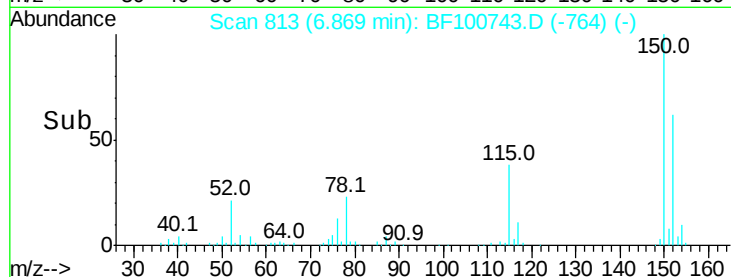
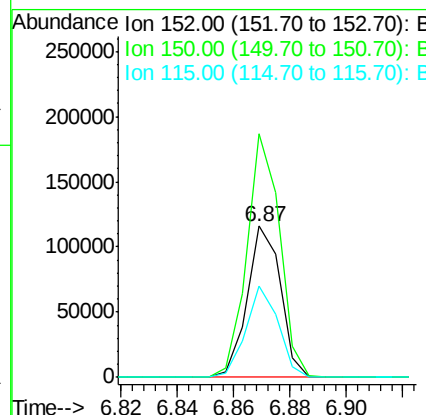
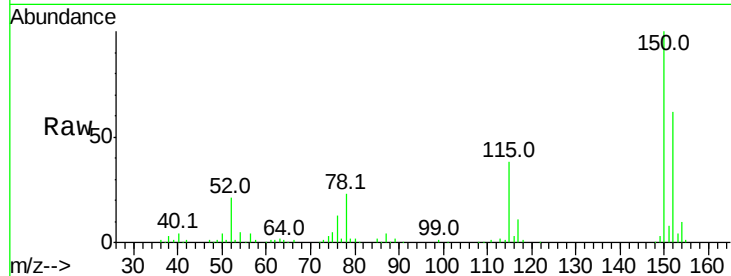
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Instrument :
BNA_F
ClientSampled :
TP-2-(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.2	124.6	186.8
115	60.7	50.1	75.1

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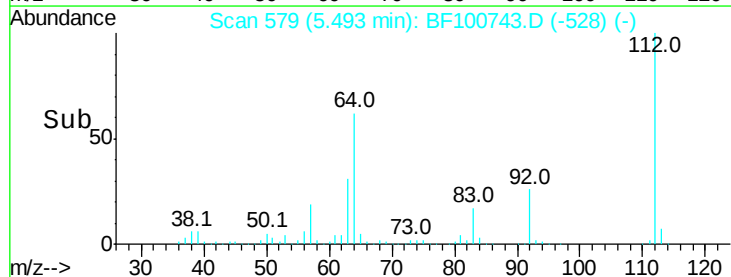
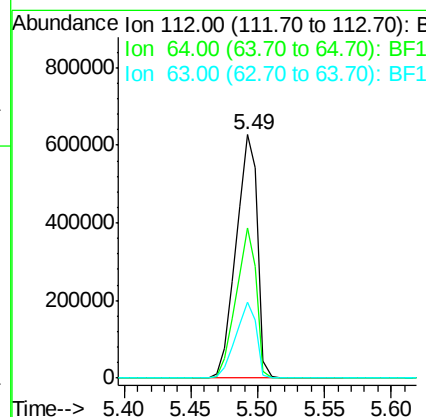
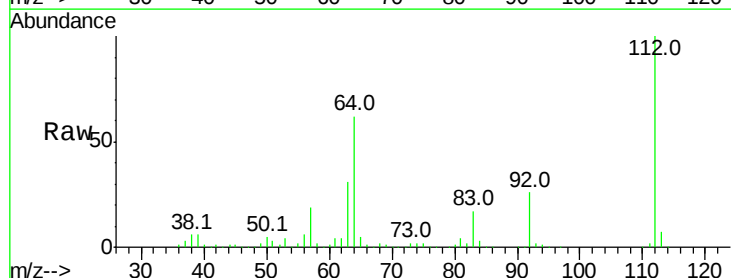
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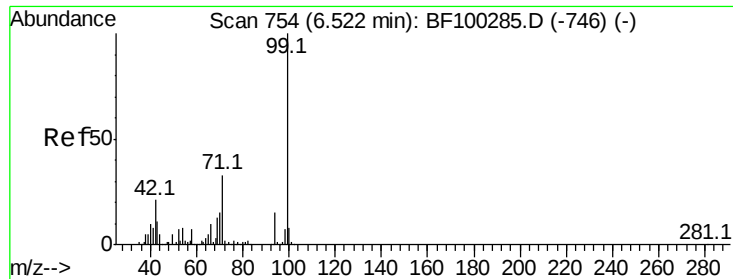


#5

2-Fluorophenol
Concen: 119.471 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.9	71.9
63	31.4	23.7	35.5





#7

Phenol-d6

Concen: 118.961 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100743.D

Acq: 20 Nov 2017 21:13

Instrument :

BNA_F

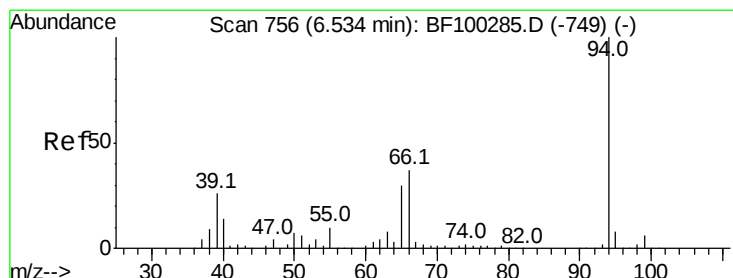
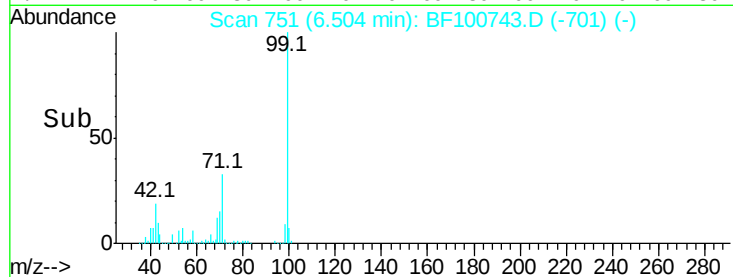
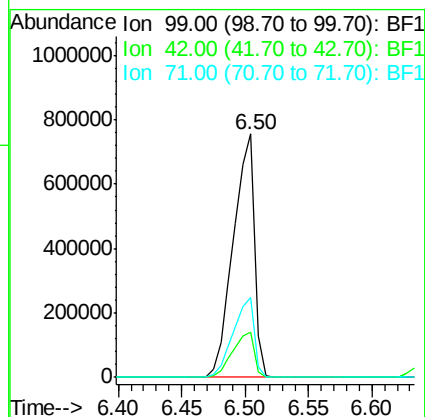
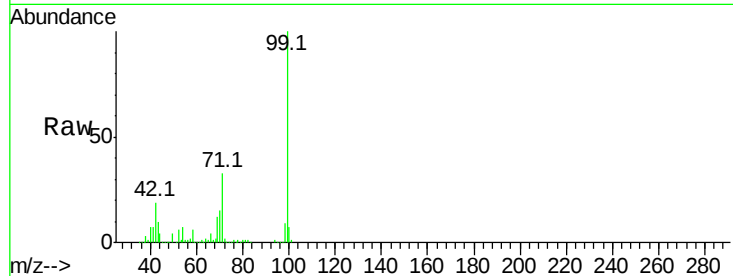
ClientSampled :

TP-2-(0-5)

Tot Ion:	99	Resp:	868784
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	32.6	25.4	38.0

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#10

Phenol

Concen: 3.475 ng

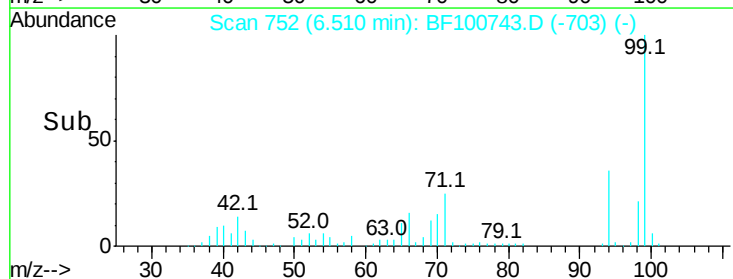
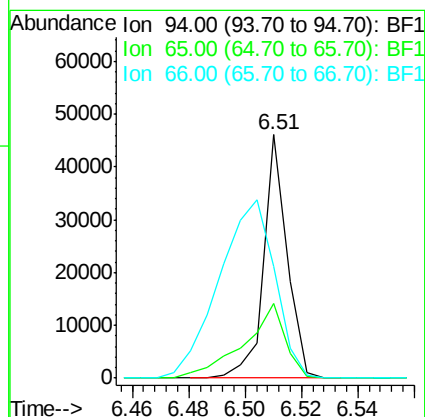
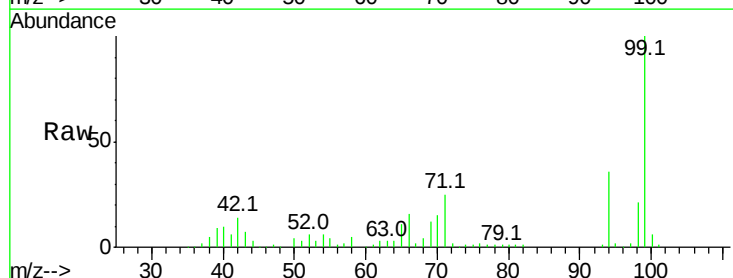
RT: 6.51 min Scan# 752

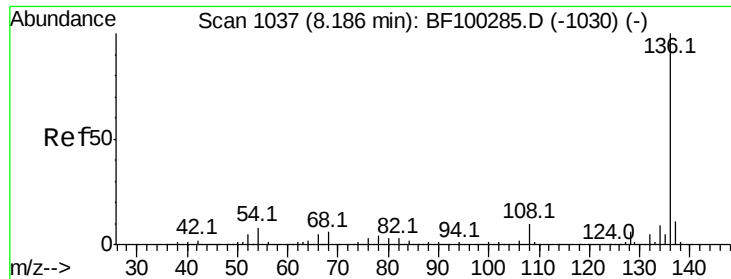
Delta R.T. -0.01 min

Lab File: BF100743.D

Acq: 20 Nov 2017 21:13

Tgt Ion:	94	Resp:	26642
Ion	Ratio	Lower	Upper
94	100		
65	30.7	7.9	47.9
66	45.7	16.2	56.2





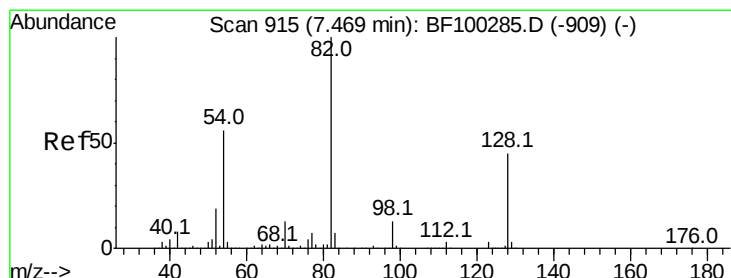
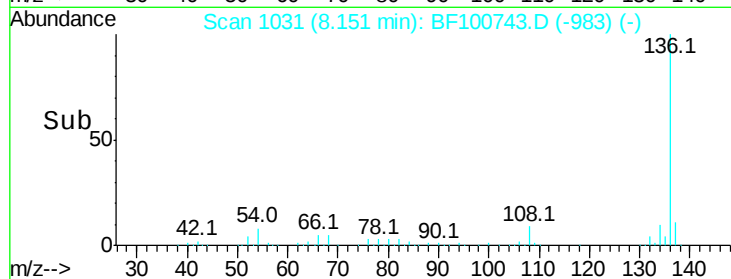
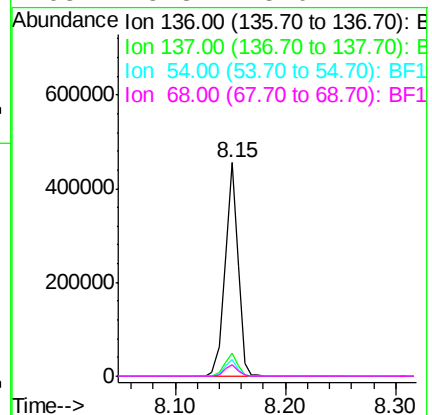
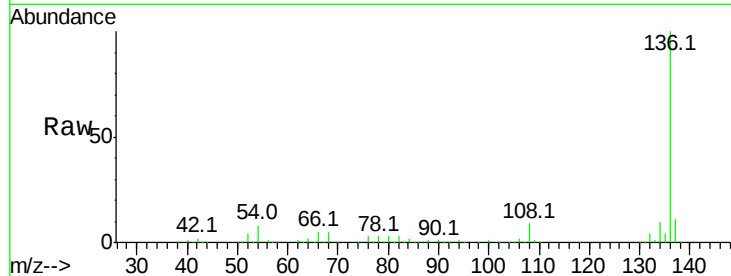
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP-2-(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.0	8.9	13.3	
54	8.1	6.6	9.8	
68	5.3	5.0	7.4	

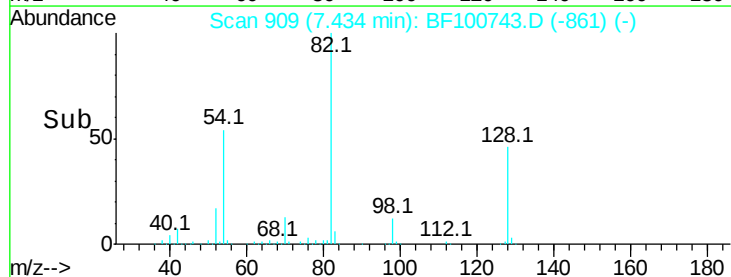
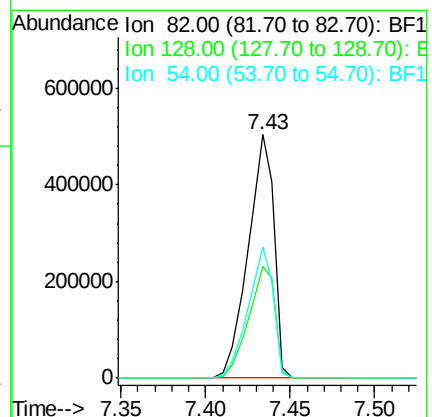
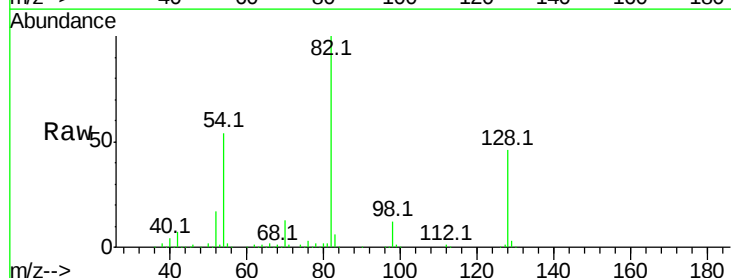
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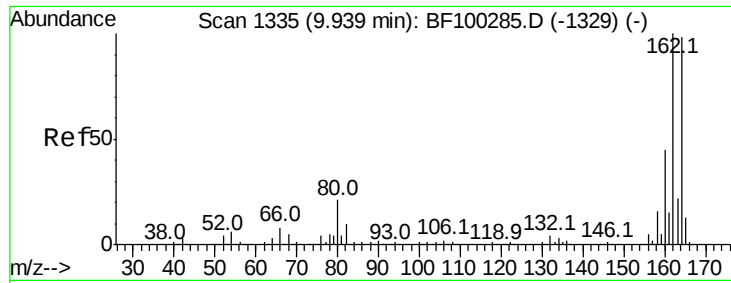
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#23
Nitrobenzene-d5
Concen: 95.407 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	36.1	54.1	
54	54.0	41.4	62.2	





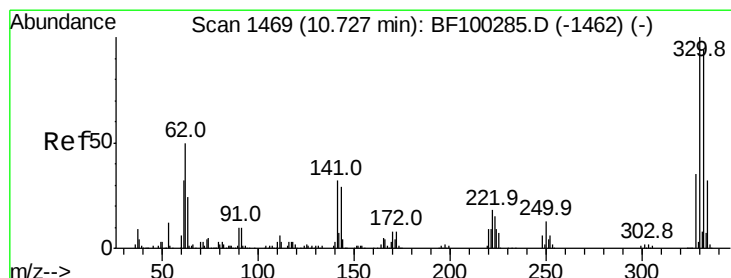
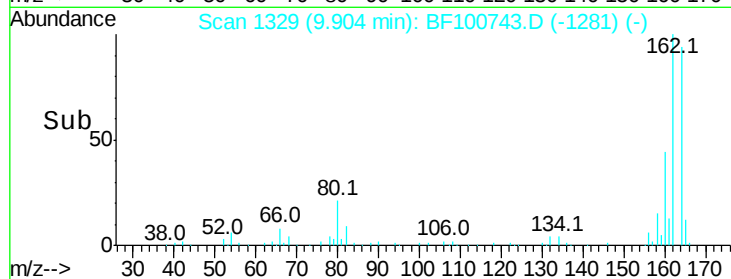
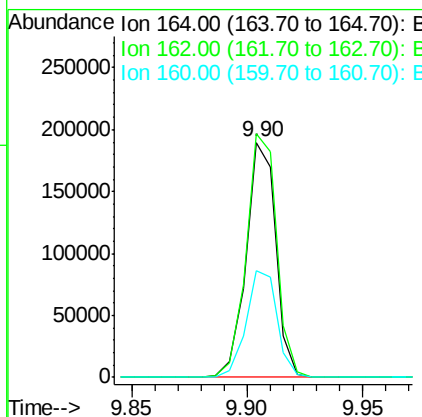
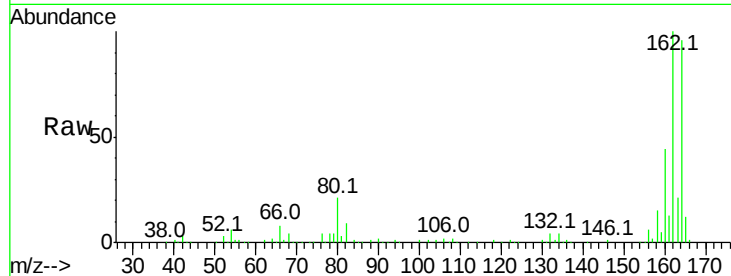
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Instrument :
BNA_F
ClientSampled :
TP-2-(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	169804		
162	103.6	86.1	129.1	
160	45.3	38.3	57.5	

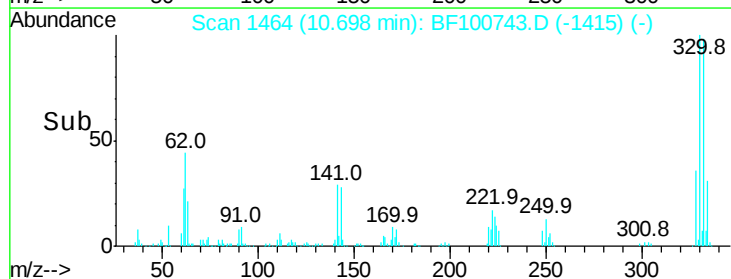
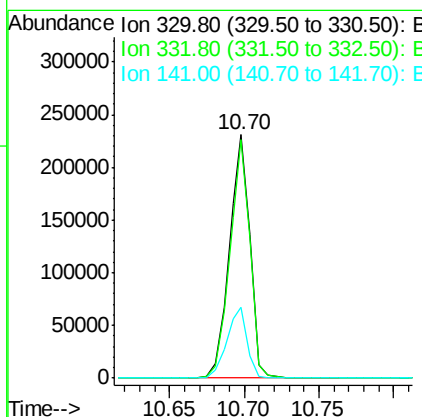
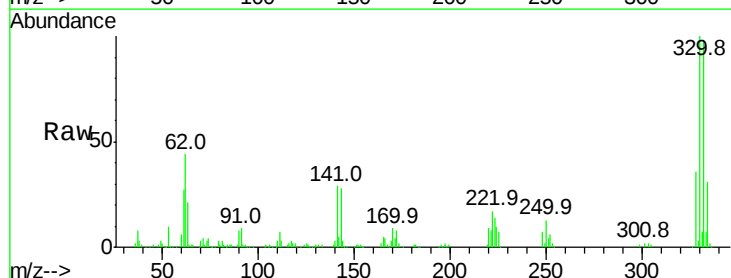
Manual Integrations
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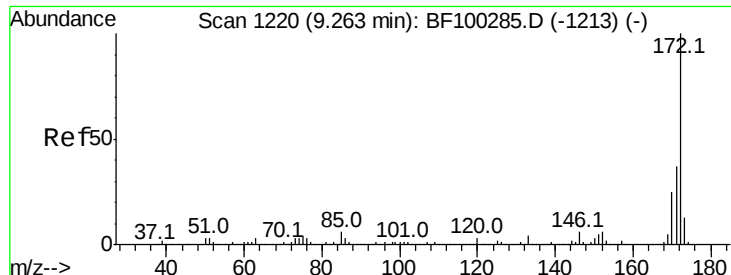
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#41
2,4,6-Tribromophenol
Concen: 129.181 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	223522		
332	95.9	77.0	115.6	
141	29.0	29.9	44.9#	





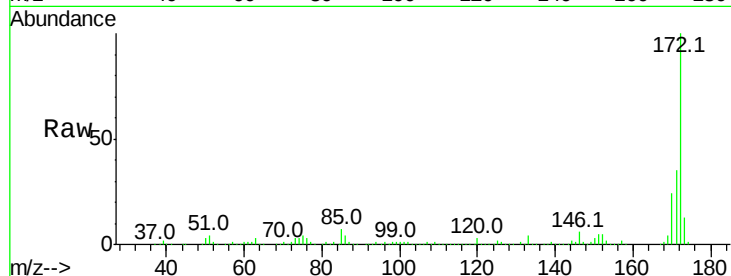
#44
2-Fluorobiphenyl
Concen: 89.258 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP-2-(0-5)

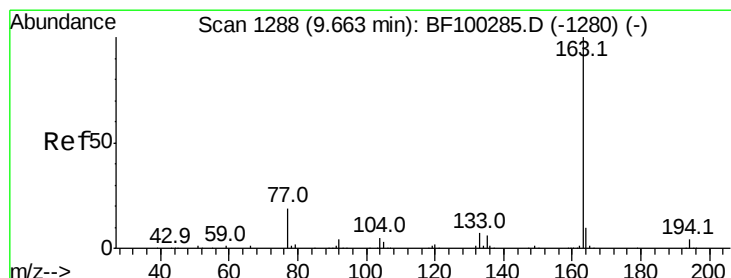
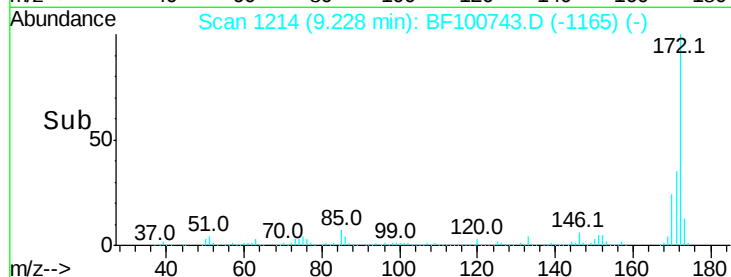
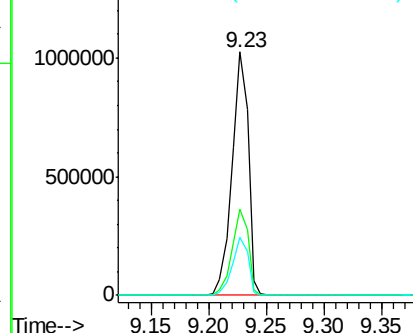
Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.7	44.5	
170	23.9	19.6	29.4	

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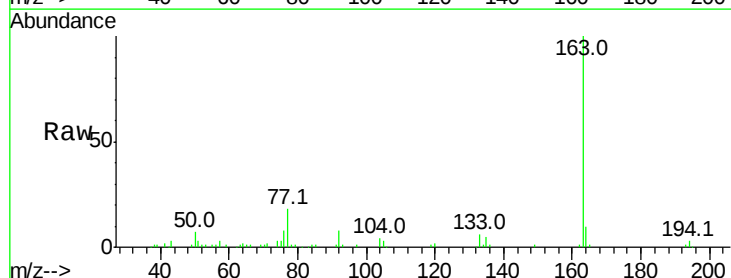


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

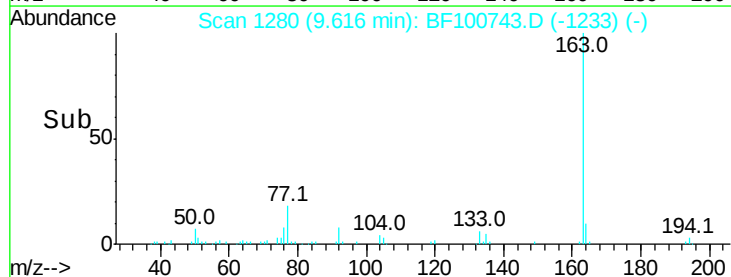
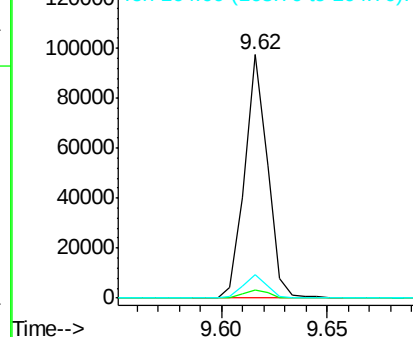


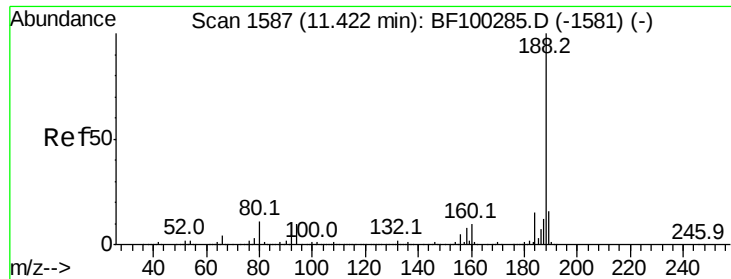
#49
Dimethylphthalate
Concen: 5.590 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.7	4.1	
164	9.8	8.2	12.2	



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





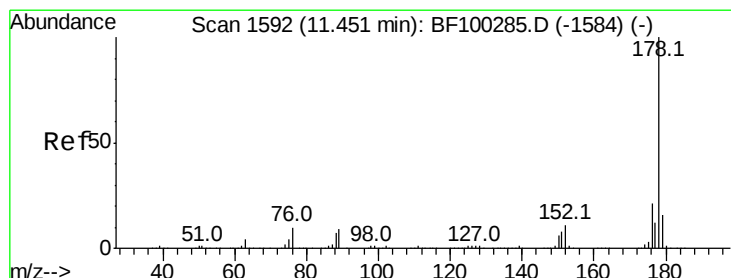
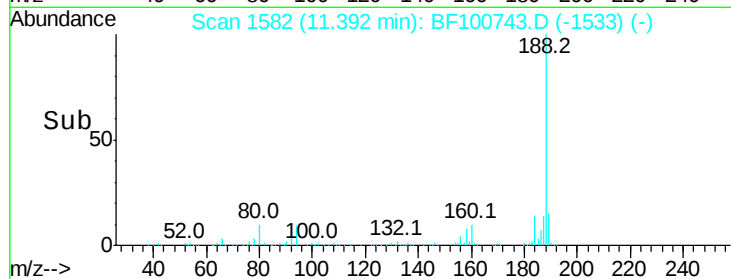
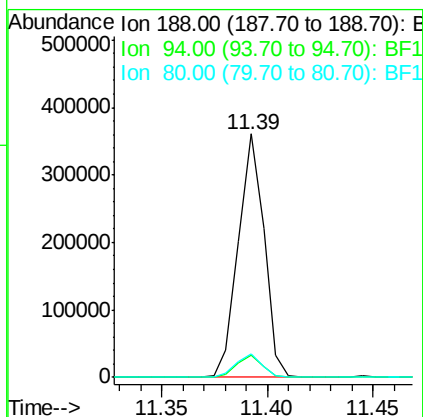
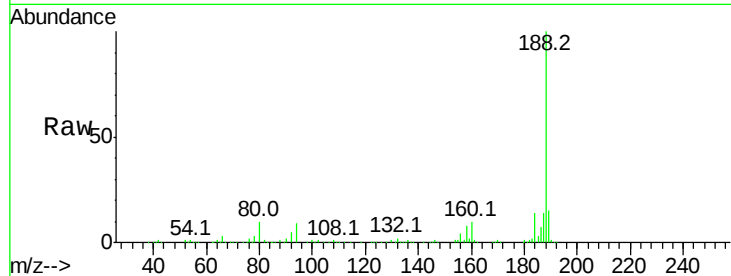
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Instrument :
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TP-2-(0-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.7	9.2	13.8

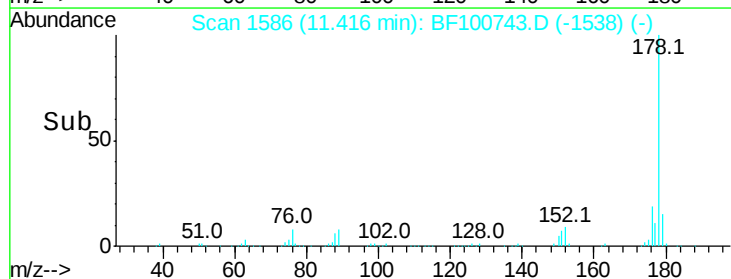
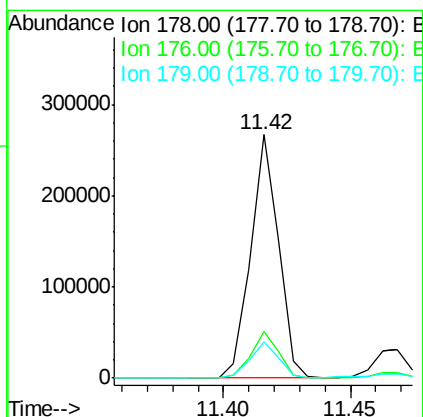
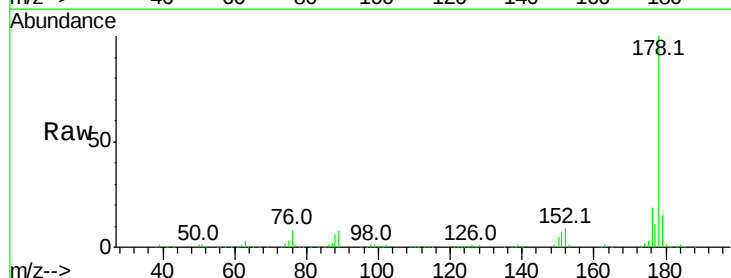
Manual Integrations
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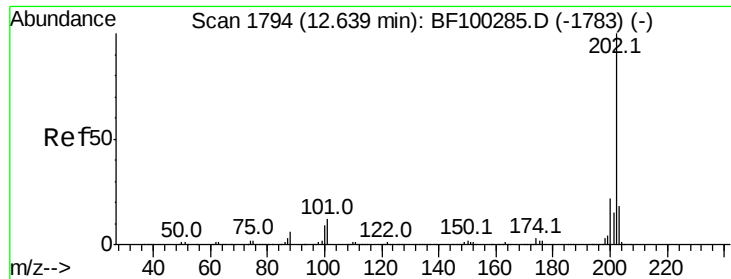
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#70
Phenanthrene
Concen: 12.715 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.0	13.0	19.6





#74

Fluoranthene

Concen: 15.238 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF100743.D

Acq: 20 Nov 2017 21:13

Instrument :

BNA_F

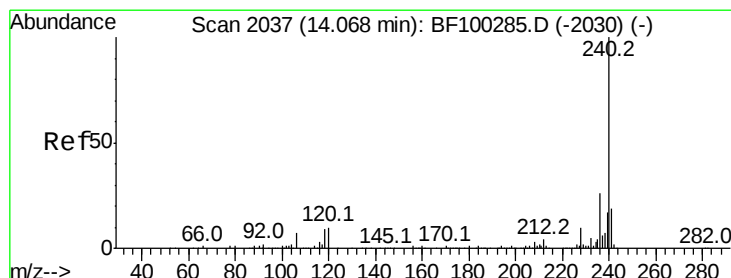
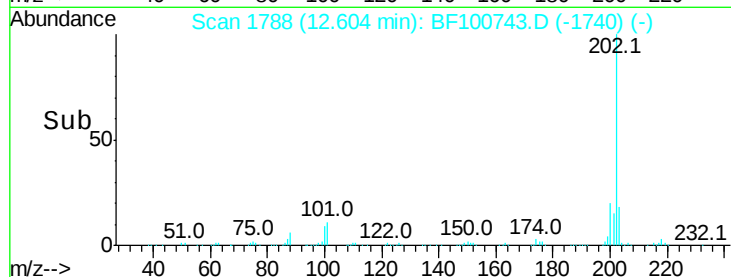
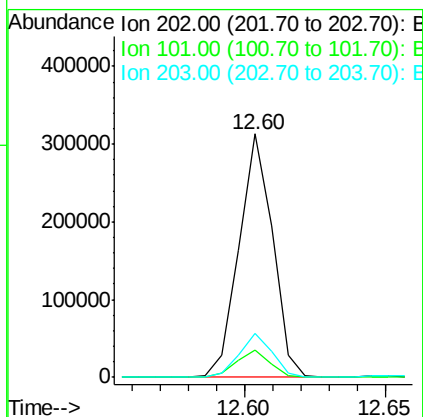
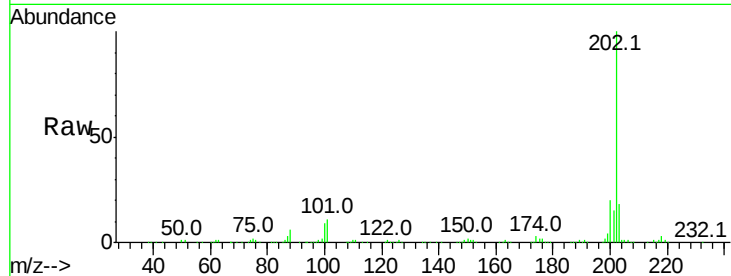
ClientSampleId :

TP-2-(0-5)

Tot Ion:	202	Resp:	259216
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	34.1
203	18.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

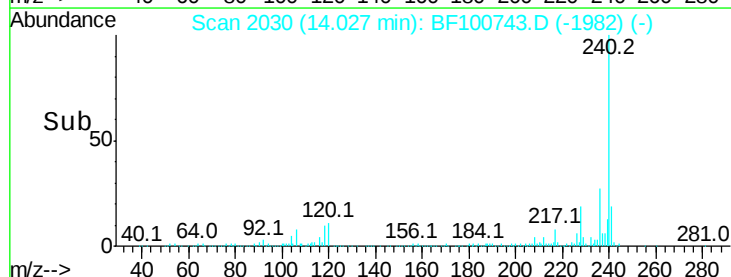
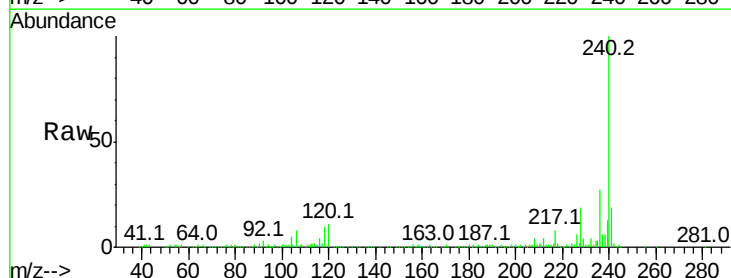
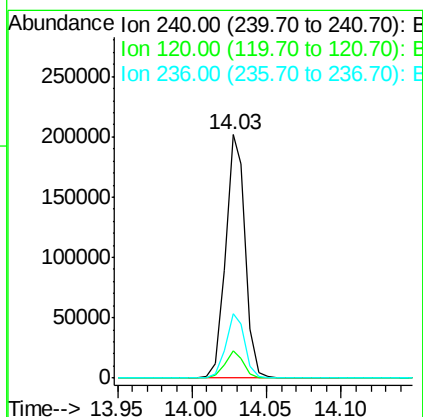
RT: 14.03 min Scan# 2030

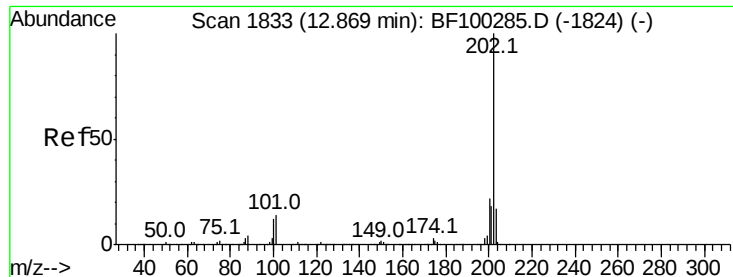
Delta R.T. -0.02 min

Lab File: BF100743.D

Acq: 20 Nov 2017 21:13

Tgt Ion:	240	Resp:	187675
Ion Ratio	Lower	Upper	
240	100		
120	11.0	9.5	14.3
236	26.5	20.7	31.1





#77

Pvrene

Concen: 18.693 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.02 min

Lab File: BF100743.D

Acq: 20 Nov 2017 21:13

Instrument :

BNA_F

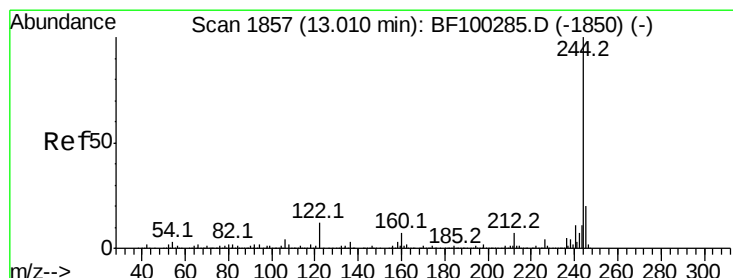
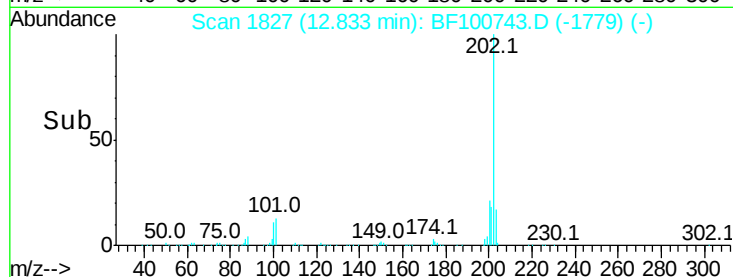
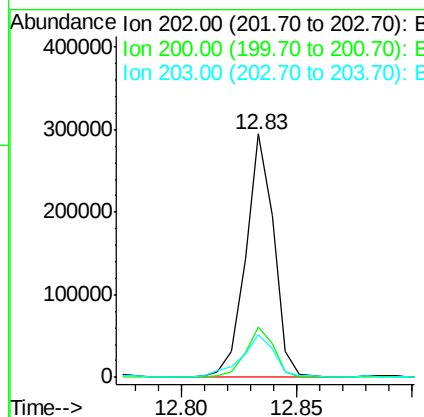
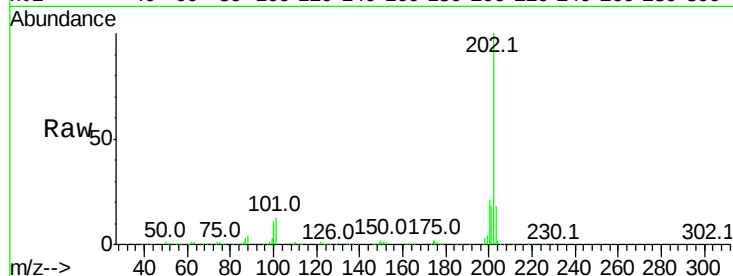
ClientSampleId :

TP-2-(0-5)

Tot Ion:	202	Resp:	250075
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 90.481 ng

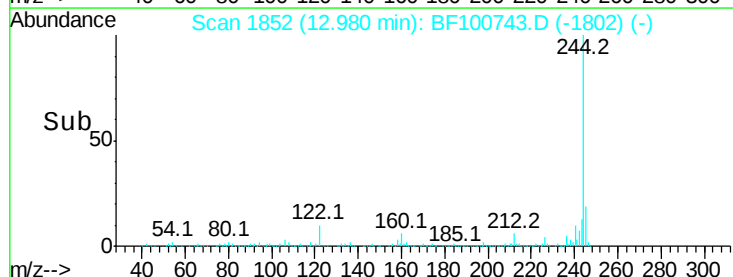
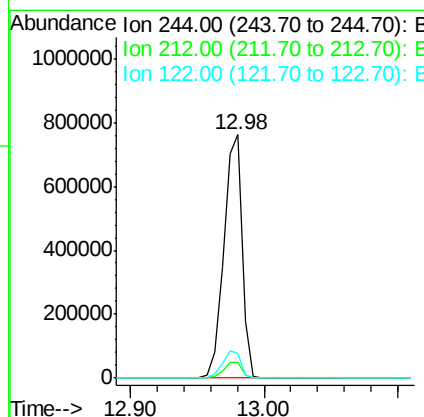
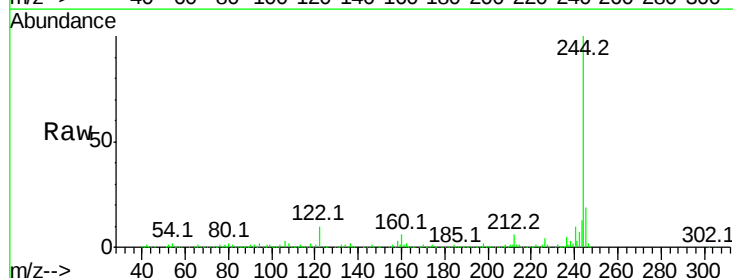
RT: 12.98 min Scan# 1852

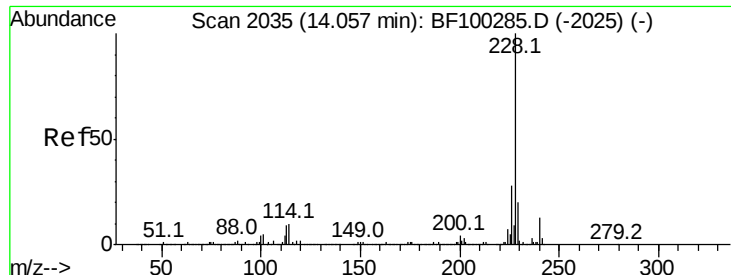
Delta R.T. -0.01 min

Lab File: BF100743.D

Acq: 20 Nov 2017 21:13

Tgt Ion:	244	Resp:	739045
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.9	11.0	16.4#





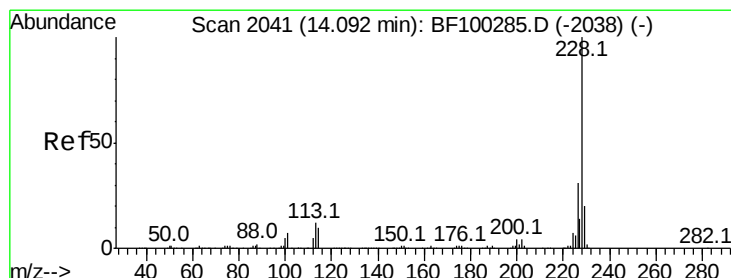
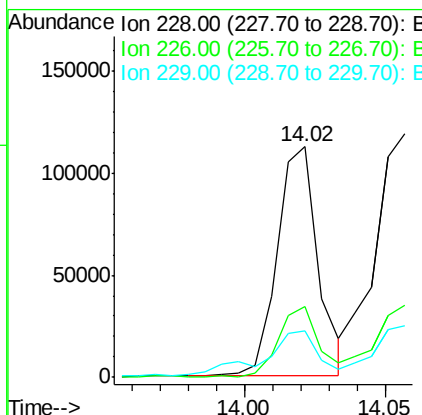
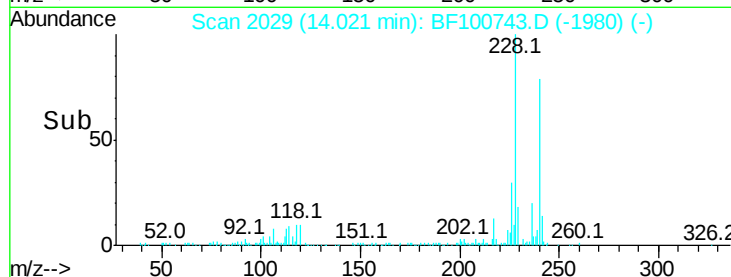
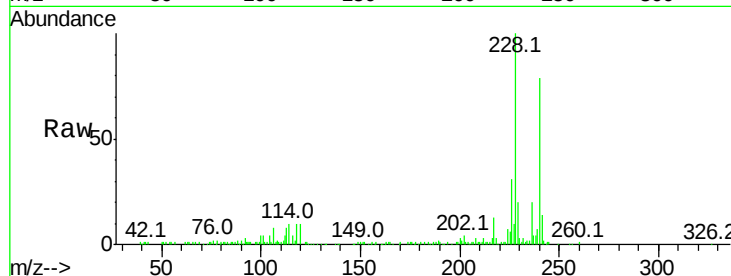
#80
Benzo(a)anthracene
Concen: 9.980 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP-2-(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	20.0	15.8	23.6

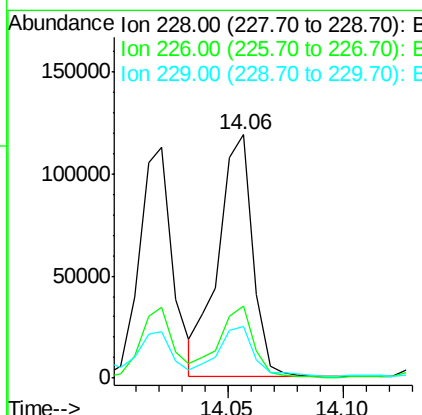
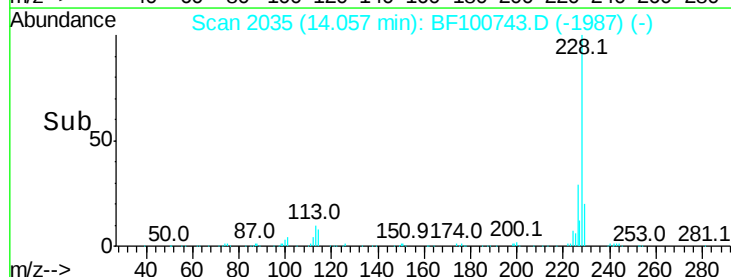
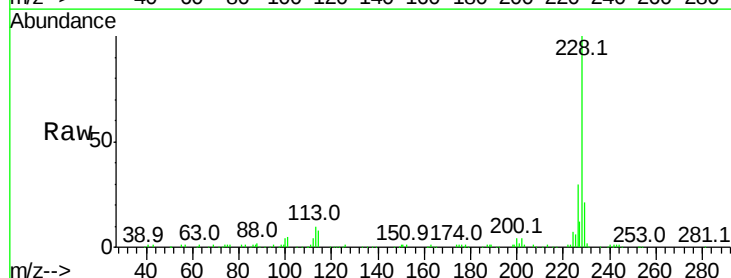
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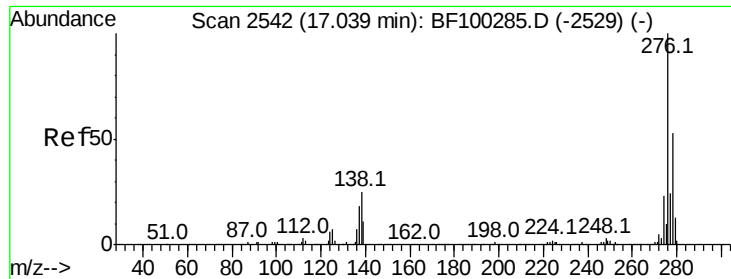
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#82
Chrysene
Concen: 11.248 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.0	16.2	24.4





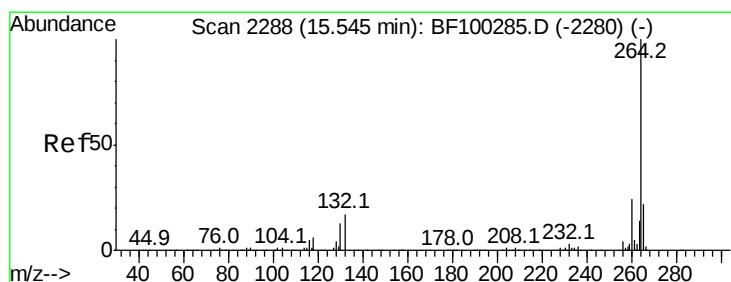
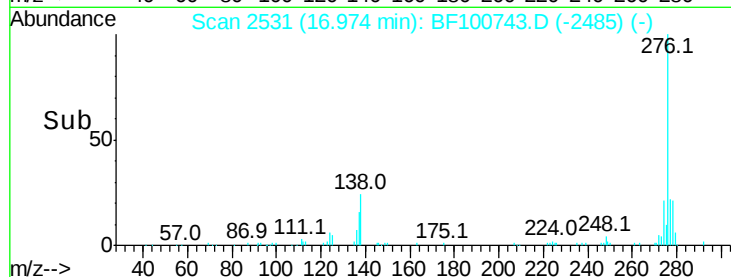
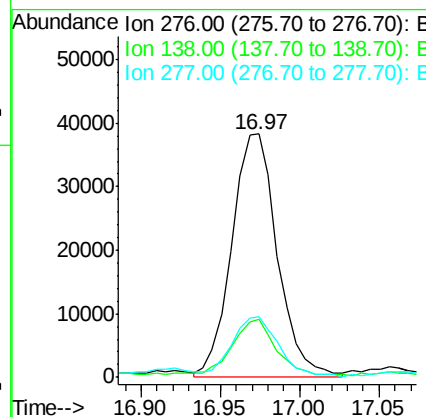
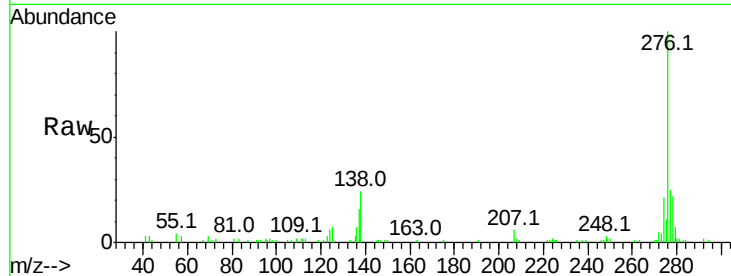
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.691 ng/ml
RT: 16.97 min Scan# 2531
Delta R.T. -0.03 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Instrument :
BNA_F
ClientSampled :
TP-2-(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.5	25.0	37.6#
277	6.1	20.1	30.1#

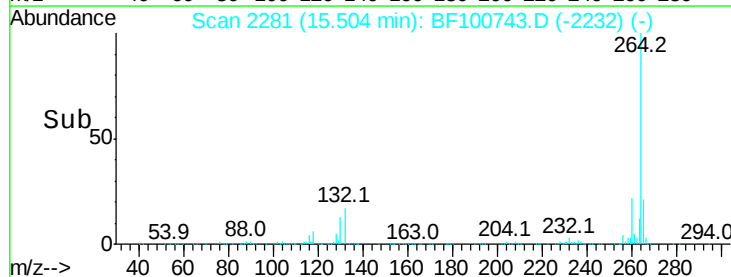
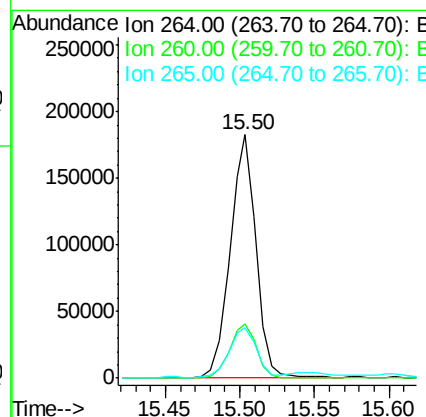
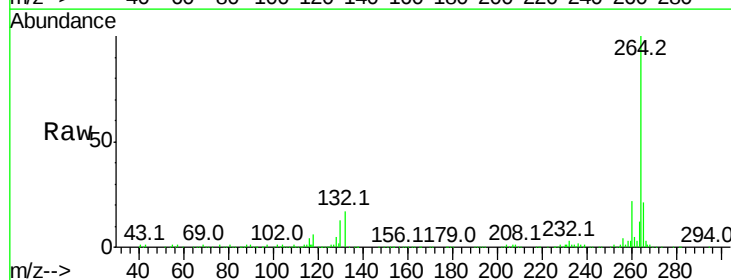
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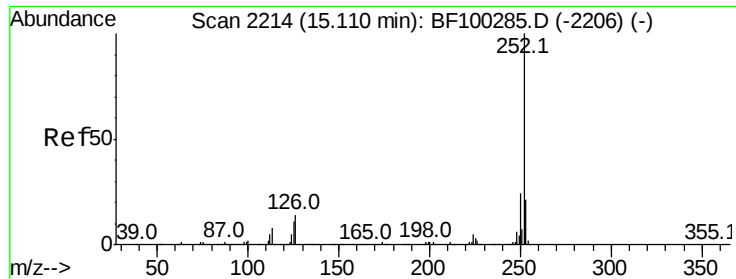
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	20.9	17.5	26.3





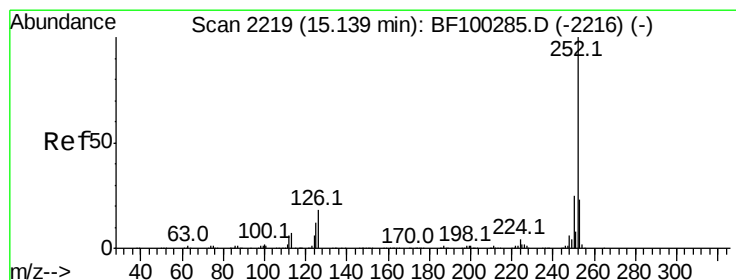
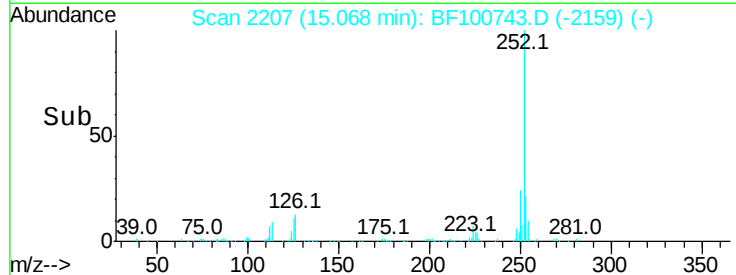
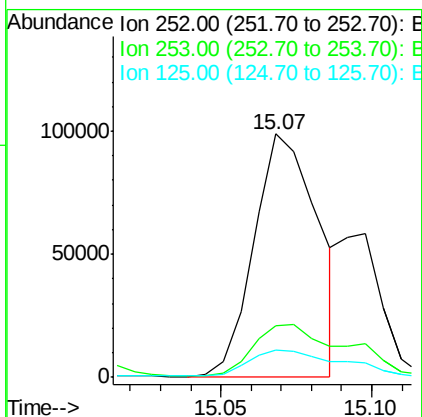
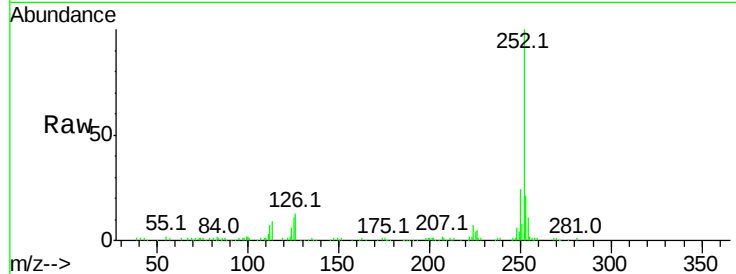
#87
Benzo(b)fluoranthene
Concen: 11.145 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP-2-(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	11.4	9.0	13.6

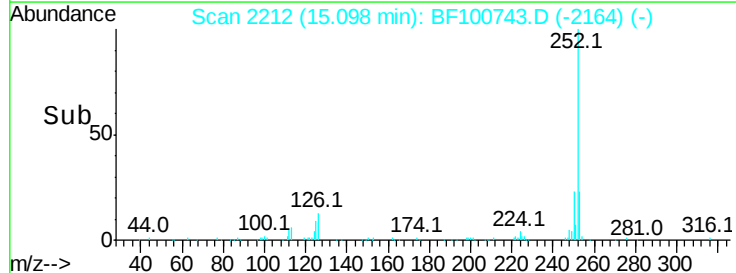
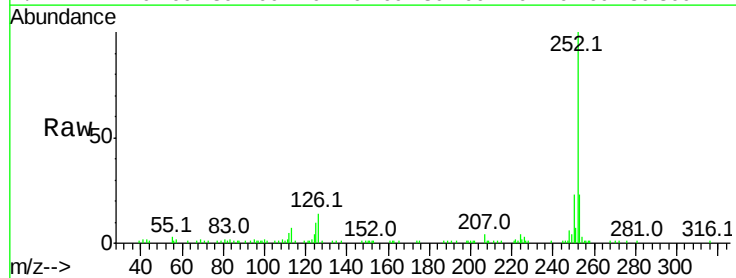
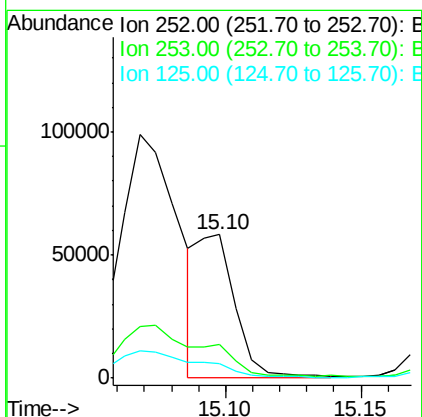
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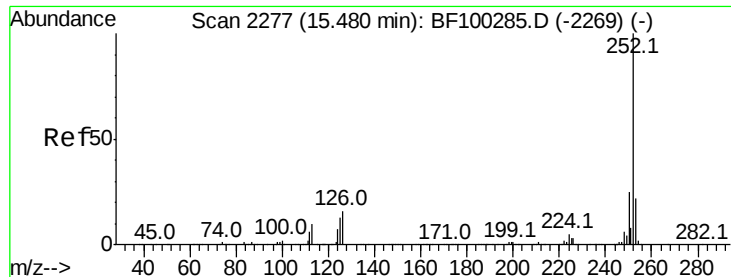
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#88
Benzo(k)fluoranthene
Concen: 4.466 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.0	10.2	15.2#





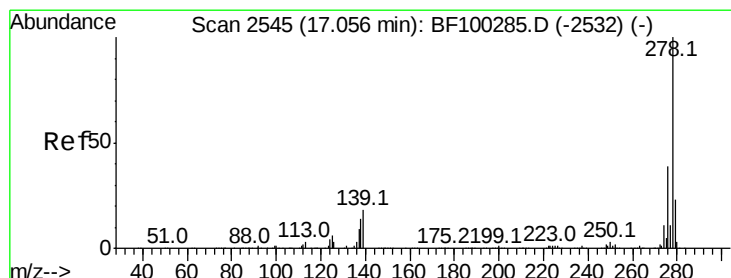
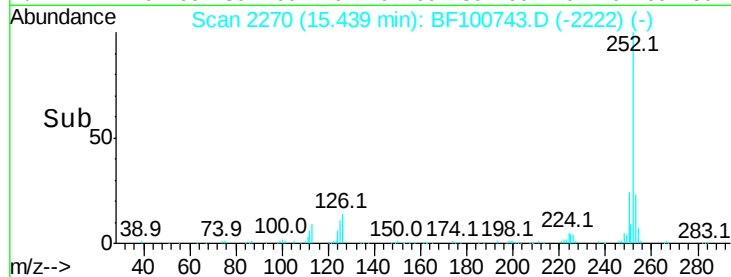
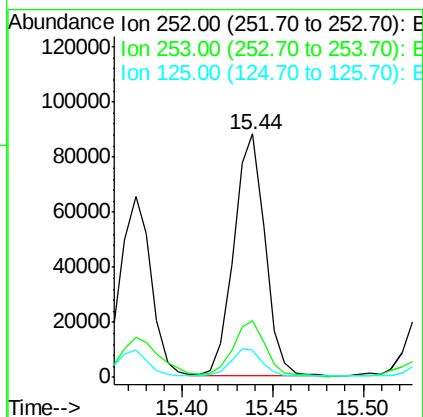
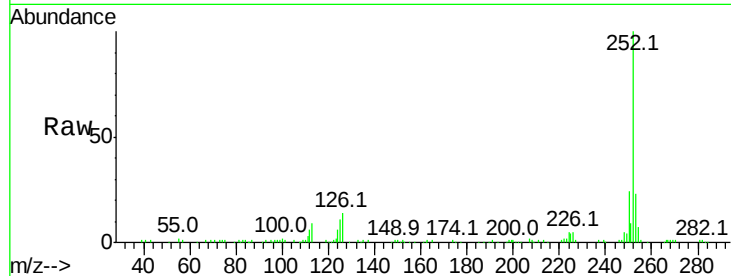
#89
Benzo(a)pyrene
Concen: 8.978 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Instrument :
BNA_F
ClientSampleId :
TP-2-(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	11.0	9.8	14.6

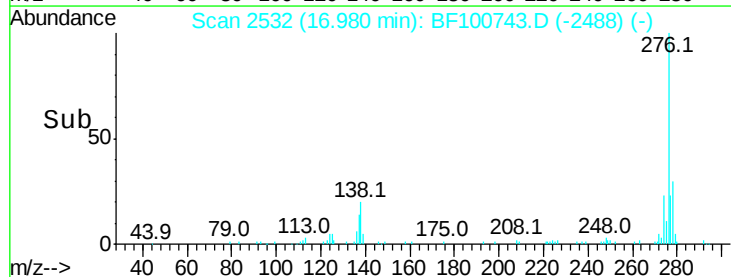
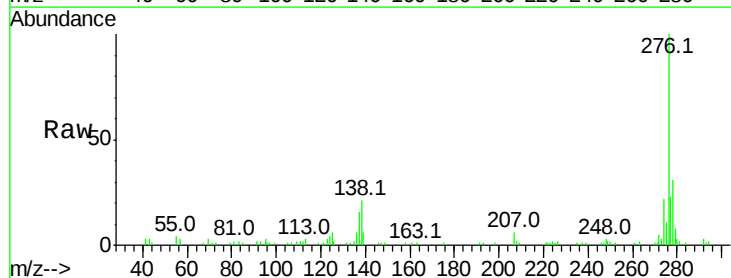
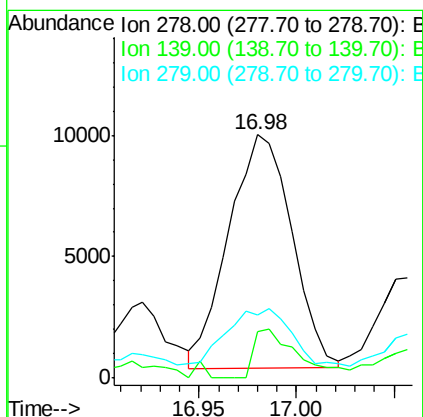
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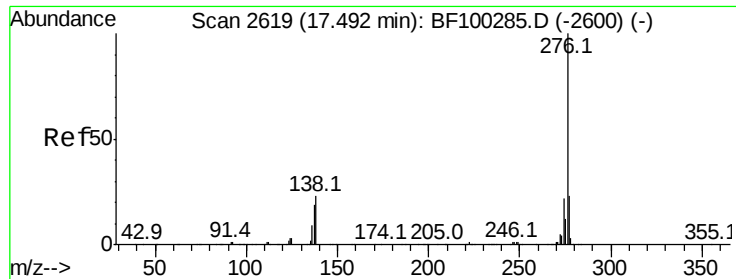
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#90
Dibenzo(a,h)anthracene
Concen: 2.264 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BF100743.D
Acq: 20 Nov 2017 21:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	15.9	23.9
279	25.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.634 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. -0.04 min
 Lab File: BF100743.D
 Acq: 20 Nov 2017 21:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-(0-5)

Tot Ion:	276	Resp:	71411
Ion Ratio		Lower	Upper
276	100		
277	23.0	17.9	26.9
138	21.0	21.8	32.8#

Manual Integrations
 APPROVED

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