

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110917\
 Data File : BF100353.D
 Acq On : 9 Nov 2017 21:02
 Operator : SJ/JU
 Sample : I6381-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-4651

Manual Integrations
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 11/10/2017 1:15:14 PM

Quant Time: Nov 10 01:49:52 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 09 16:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	198804	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	791966	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	366504	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	651417	20.00	ng	0.00
75) Chrysene-d12	14.06	240	400236	20.00	ng	0.00
86) Perylene-d12	15.54	264	417594	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1005946	81.11	ng	0.01
7) Phenol-d6	6.52	99	1260728	82.44	ng	0.00
23) Nitrobenzene-d5	7.46	82	794020	66.28	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	310714	83.20	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1453120	60.37	ng	0.00
78) Terphenyl-d14	13.01	244	1088697	62.50	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.53	94	42578	2.652	ng	96
70) Phenanthrene	11.45	178	377438	11.005	ng	99
71) Anthracene	11.50	178	86292	2.480	ng	99
74) Fluoranthene	12.64	202	1006980	27.703	ng	98
77) Pyrene	12.87	202	735428	25.777	ng	100
80) Benzo(a)anthracene	14.05	228	233413	9.684	ng	97
82) Chrysene	14.09	228	216762	9.287	ng	99
85) Indeno(1,2,3-cd)pyrene	17.03	276	86401	4.577	ng	94
87) Benzo(b)fluoranthene	15.11	252	203976m	8.245	ng	
88) Benzo(k)fluoranthene	15.13	252	87834m	3.757	ng	
89) Benzo(a)pyrene	15.48	252	143314	6.534	ng	98
91) Benzo(a,h,i)perylene	17.48	276	81628m	4.649	ng	

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

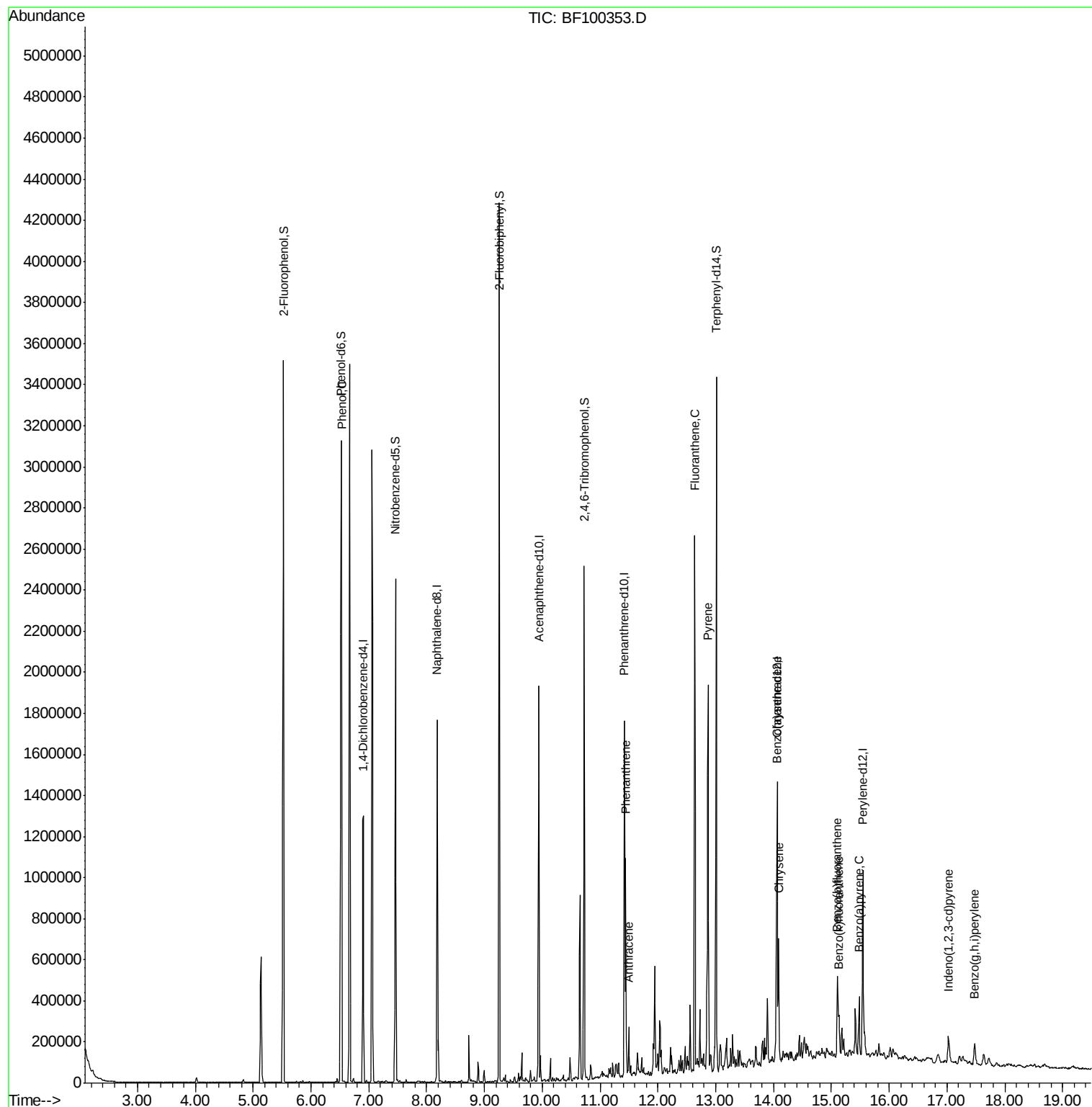
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110917\
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Acq On : 9 Nov 2017 21:02
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ALS Vial : 11 Sample Multiplier: 1

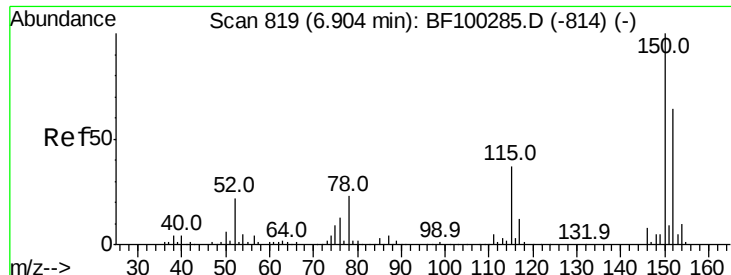
Instrument :
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Quant Time: Nov 10 01:49:52 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

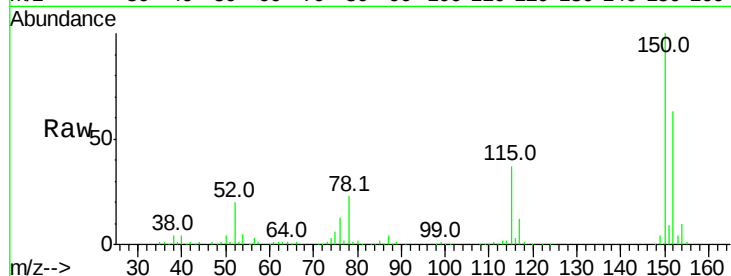
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampleId :
RT-4651

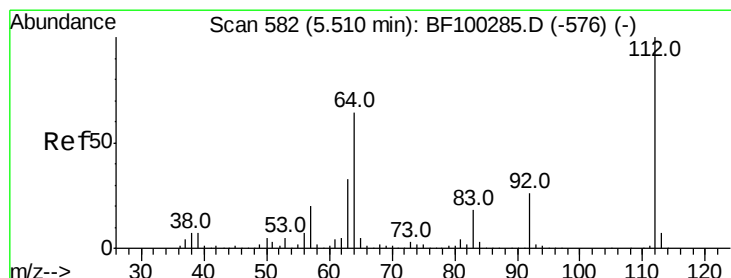
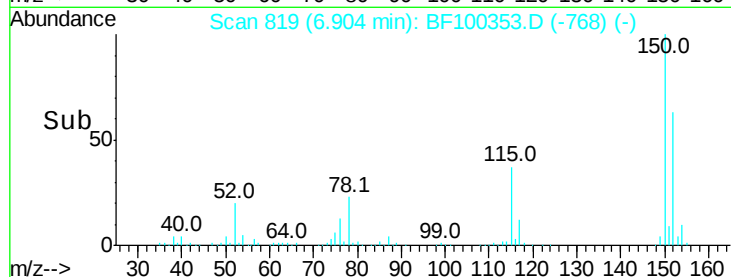
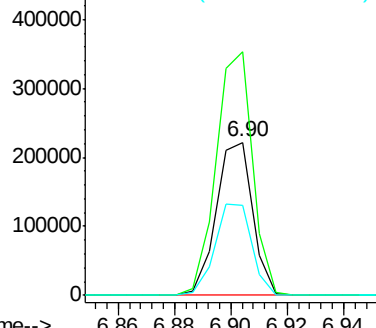
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	58.7	50.1	75.1

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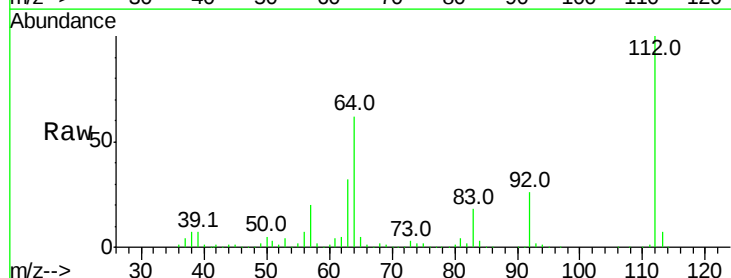
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



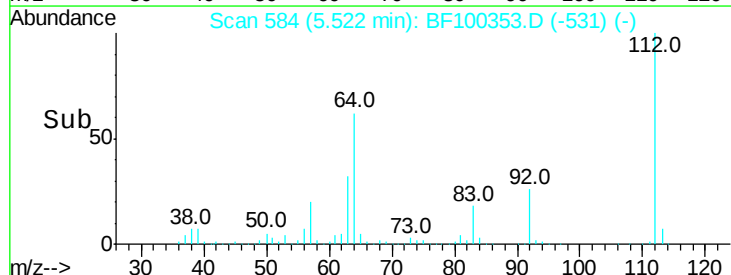
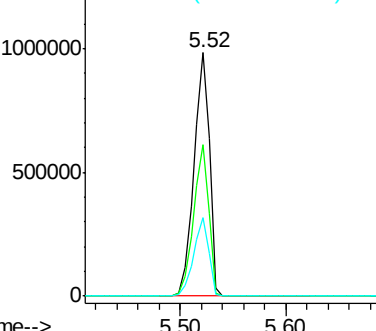
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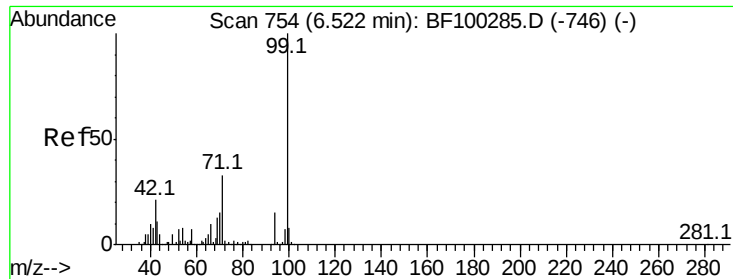
2-Fluorophenol
Concen: 81.111 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	47.9	71.9
63	32.1	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: 82.436 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

Instrument :

BNA_F

ClientSampleId :

RT-4651

Tot Ion: 99 Resp: 1260728

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

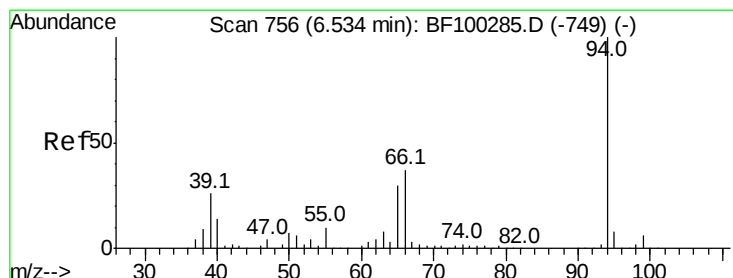
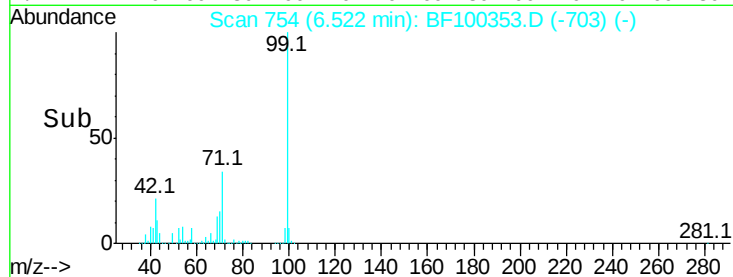
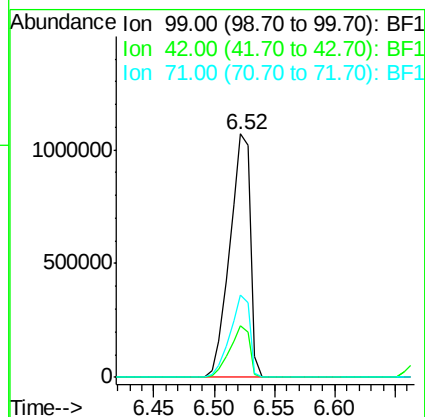
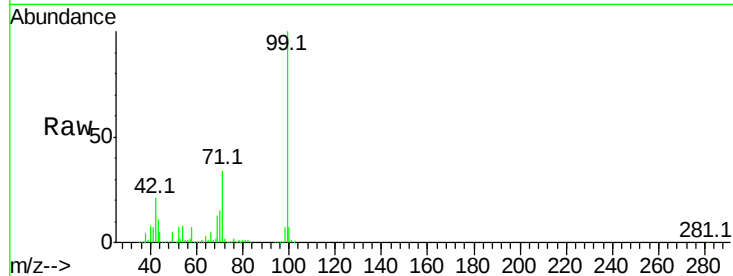
71 34.0 25.4 38.0

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#10

Phenol

Concen: 2.652 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

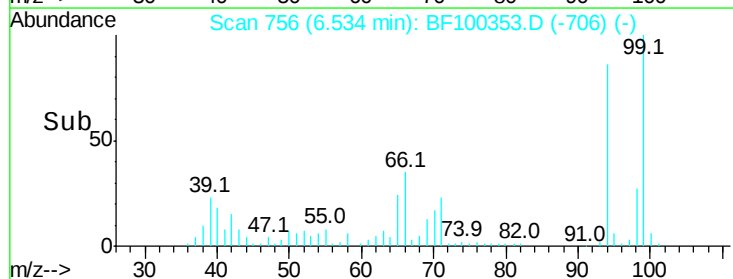
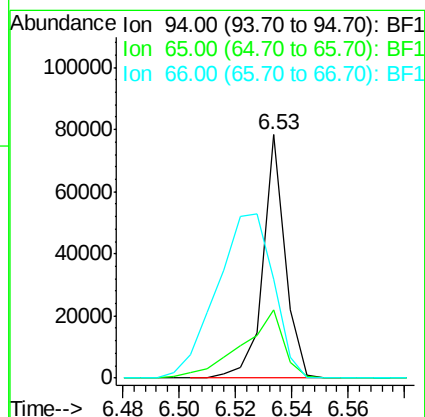
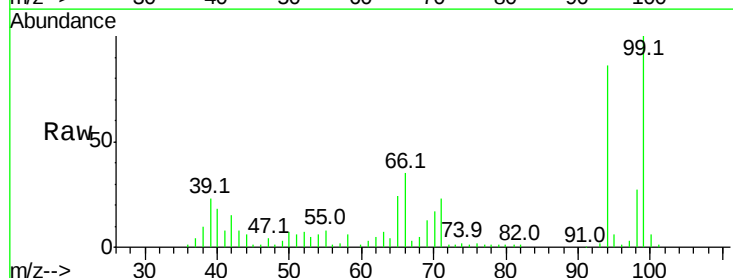
Tgt Ion: 94 Resp: 42578

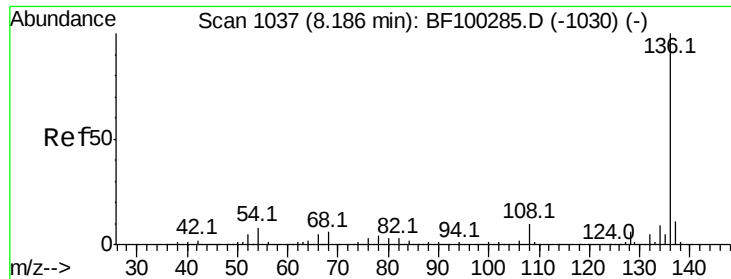
Ion Ratio Lower Upper

94 100

65 27.9 7.9 47.9

66 40.4 16.2 56.2





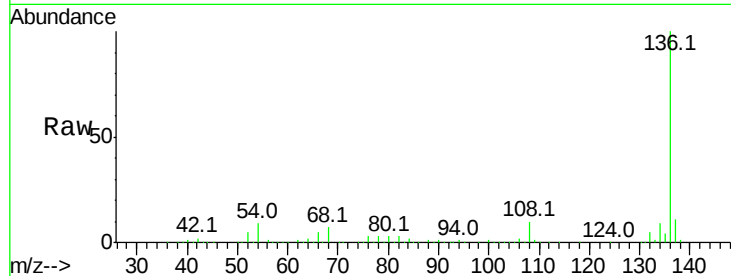
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampleId :
RT-4651

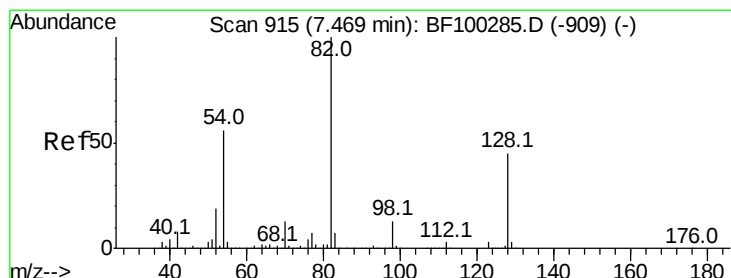
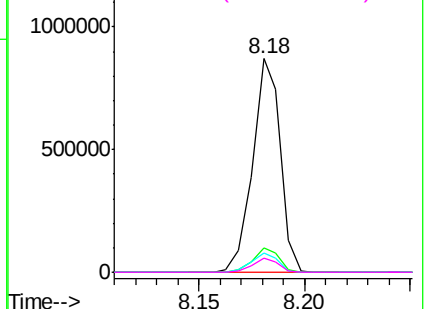
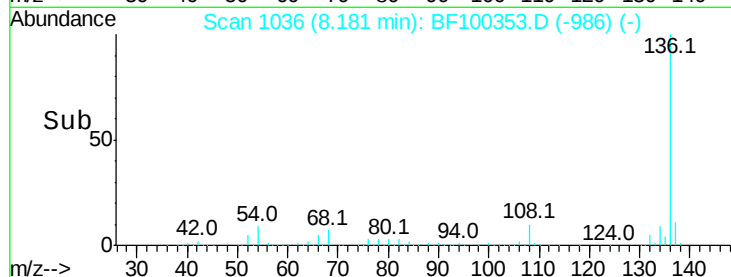
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.9	13.3	
54	9.1	6.6	9.8	
68	6.6	5.0	7.4	

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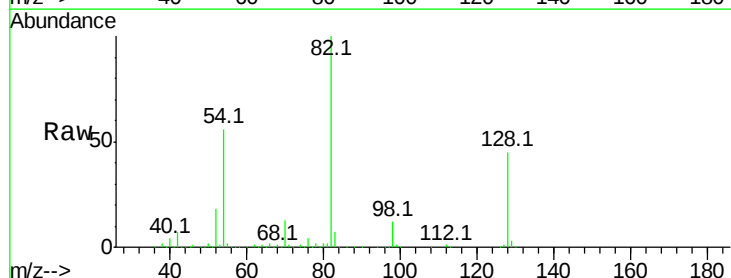


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

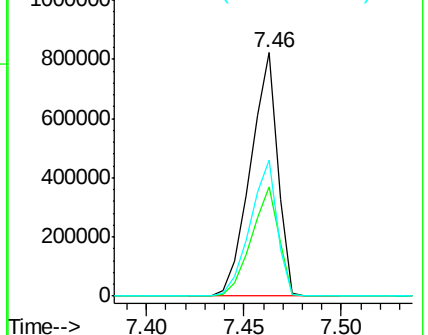
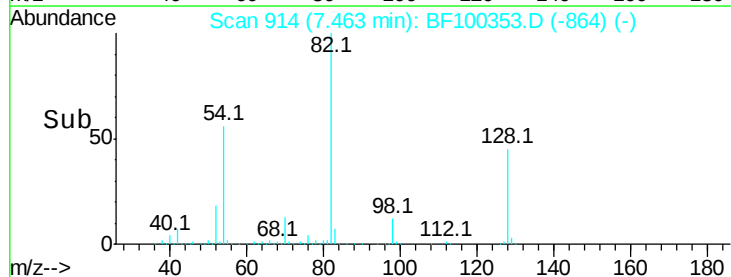


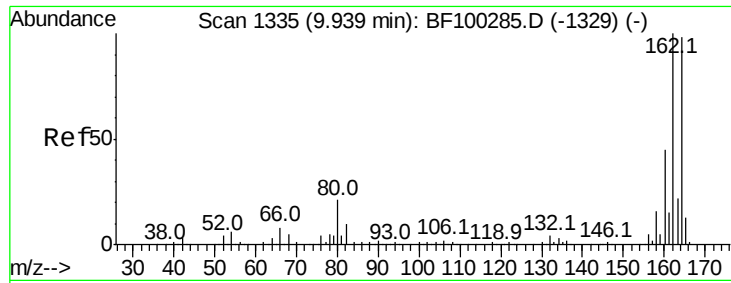
#23
Nitrobenzene-d5
Concen: 66.285 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.8	36.1	54.1	
54	55.7	41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





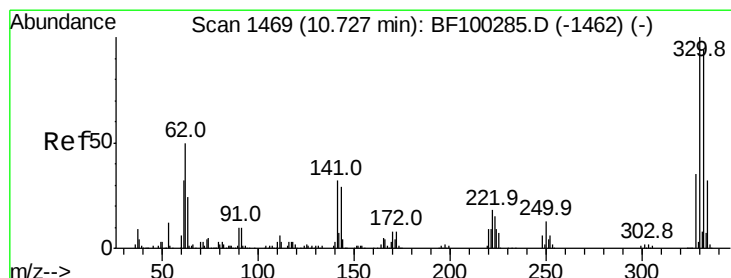
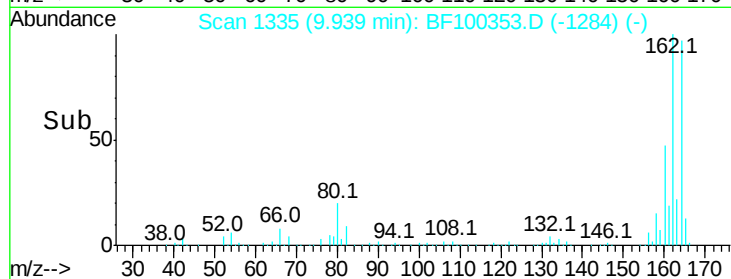
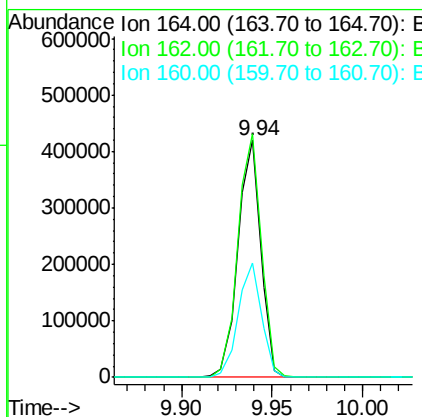
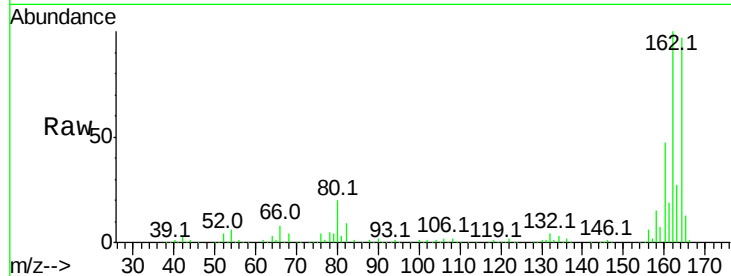
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: BF100353.D
 Acq: 9 Nov 2017 21:02

Instrument :
 BNA_F
 ClientSampled :
 RT-4651

Tot Ion	Ratio	Resp	Lower	Upper
164	100	366504		
162	102.9	86.1	129.1	
160	48.2	38.3	57.5	

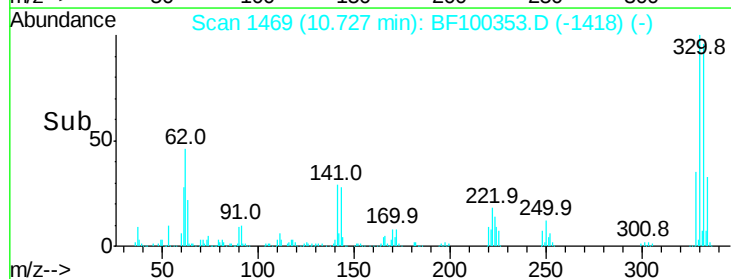
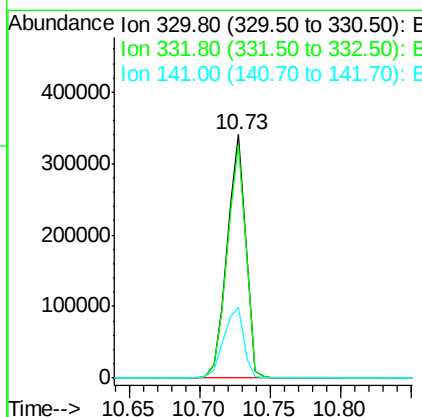
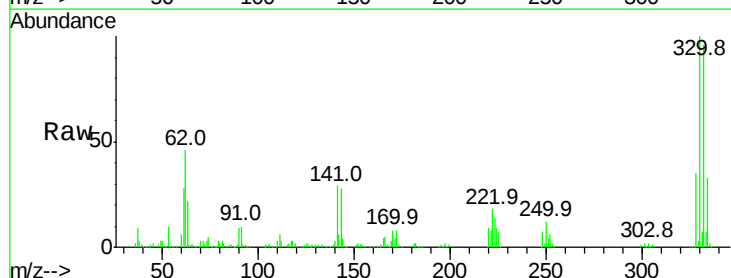
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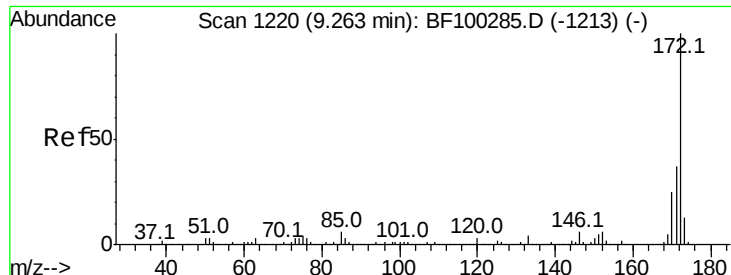
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#41
 2,4,6-Tribromophenol
 Concen: 83.197 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: BF100353.D
 Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	310714		
332	96.4	77.0	115.6	
141	31.3	29.9	44.9	





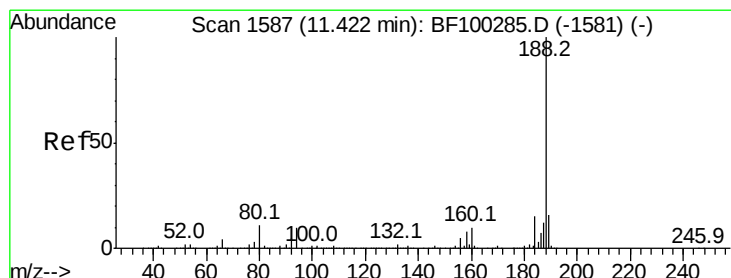
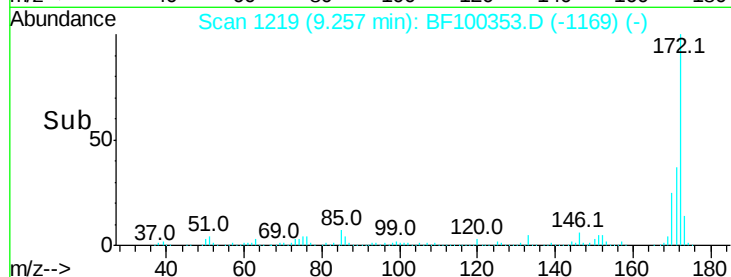
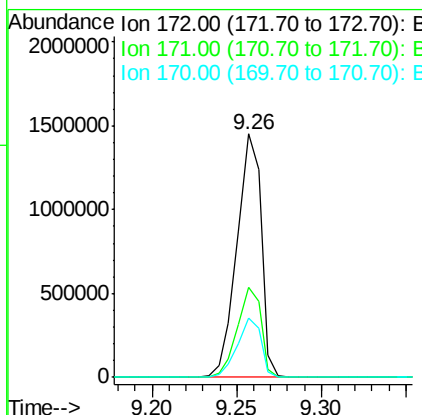
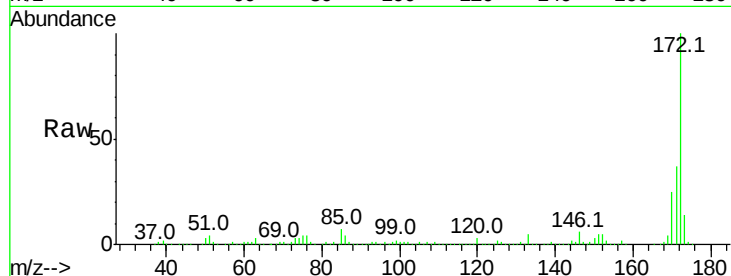
#44
 2-Fluorobiphenyl
 Concen: 60.373 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100353.D
 Acq: 9 Nov 2017 21:02

Instrument :
 BNA_F
 ClientSampleId :
 RT-4651

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.5	19.6	29.4

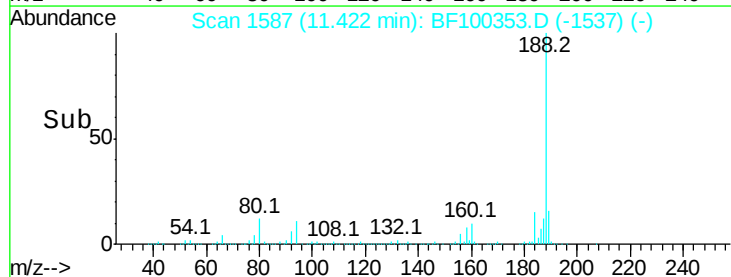
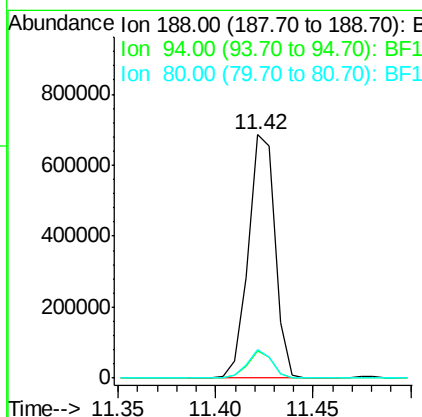
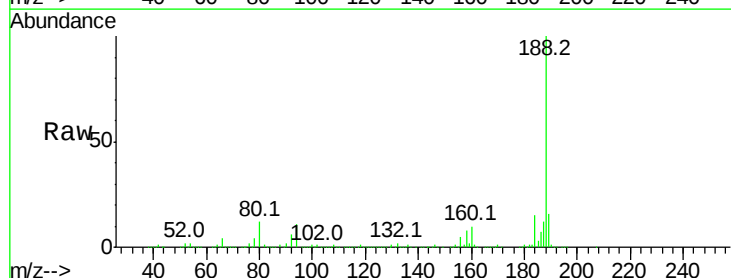
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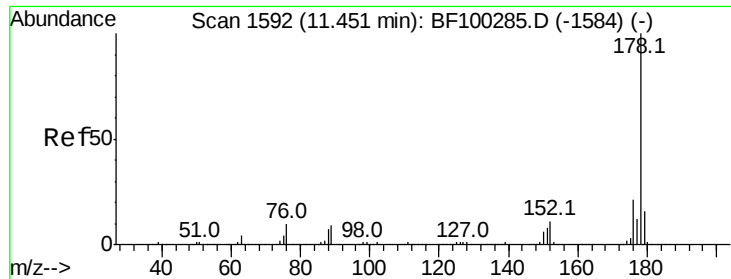
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: BF100353.D
 Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.6	9.2	13.8





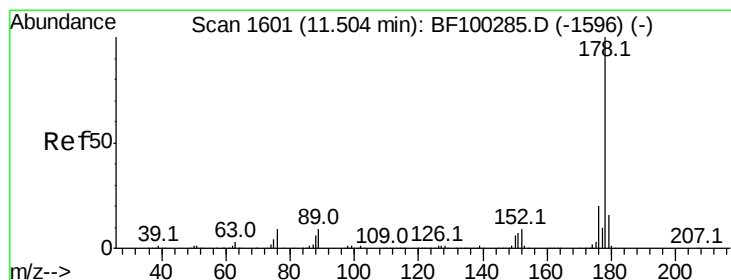
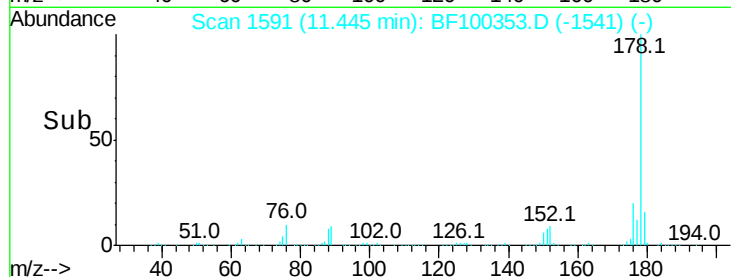
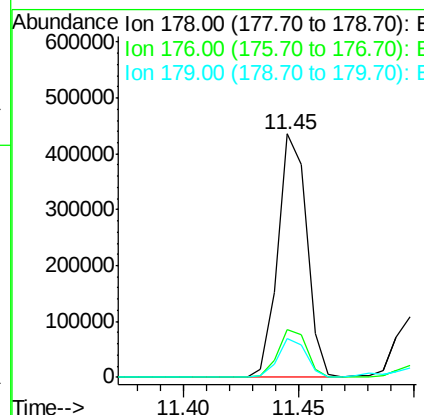
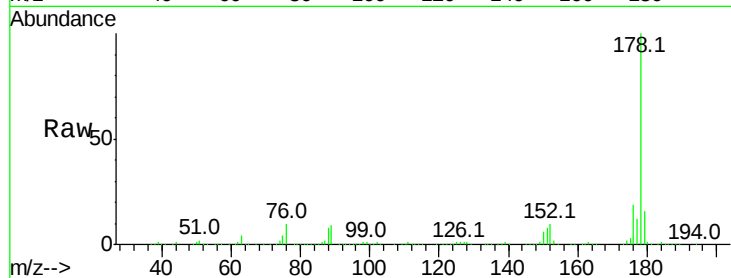
#70
Phenanthrene
Concen: 11.005 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampled :
RT-4651

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.8	13.0	19.6

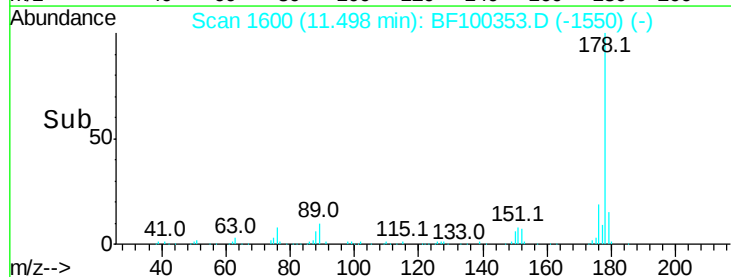
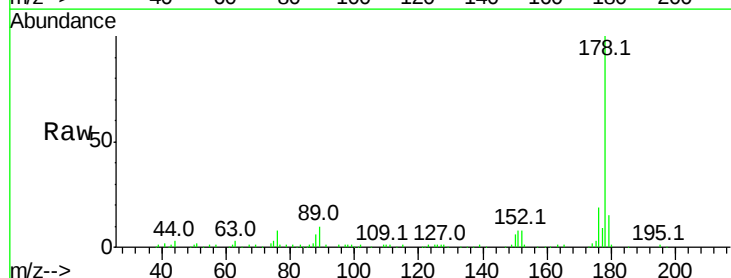
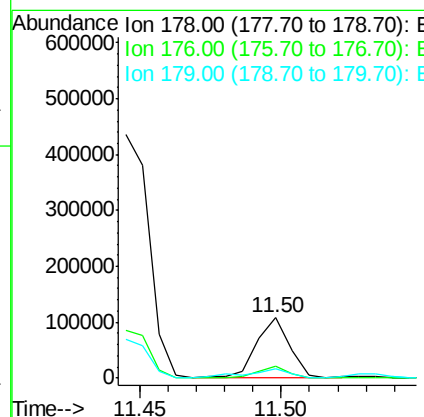
Manual Integrations
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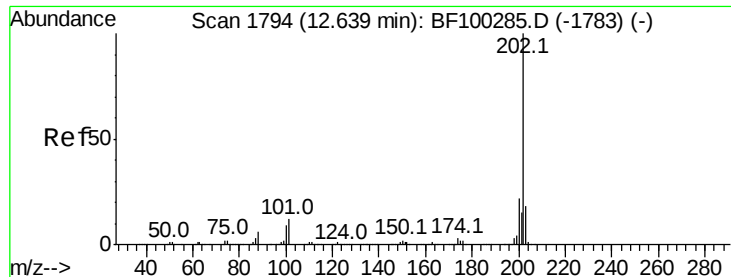
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#71
Anthracene
Concen: 2.480 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.1	12.6	19.0





#74

Fluoranthene

Concen: 27.703 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

Instrument :

BNA_F

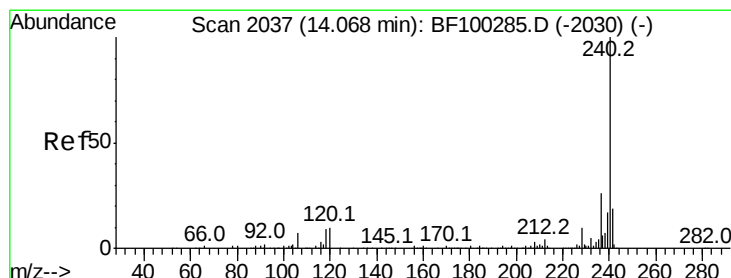
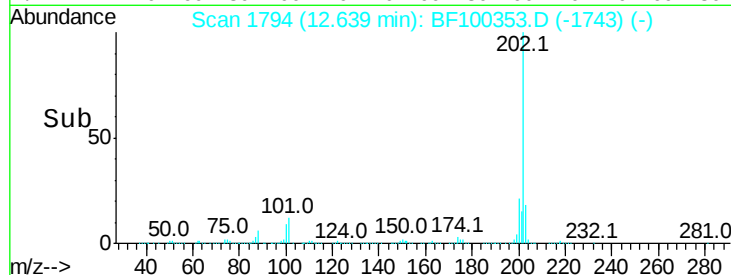
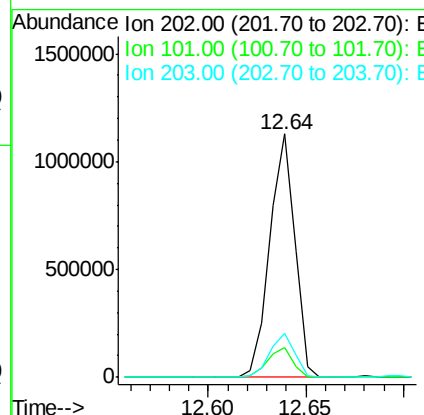
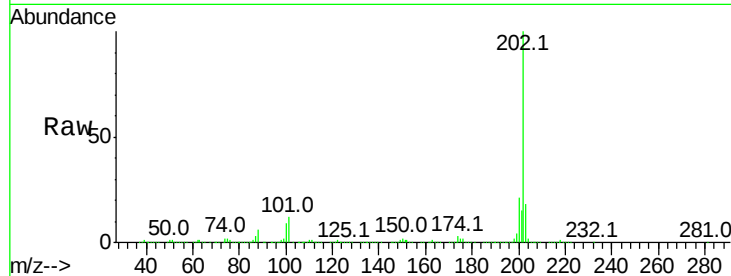
ClientSampleId :

RT-4651

Tot Ion:	202	Resp:	1006980
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

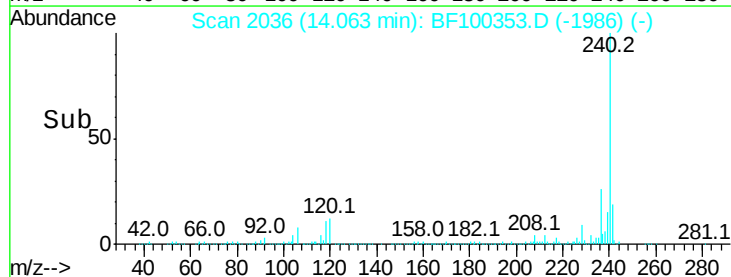
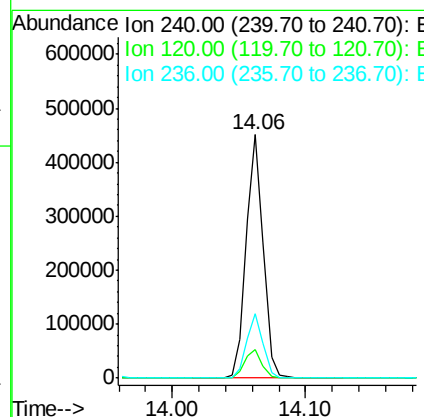
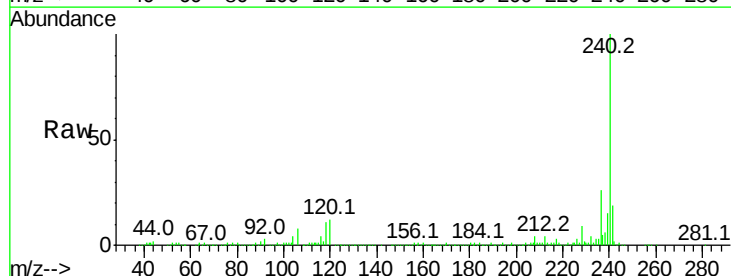
RT: 14.06 min Scan# 2036

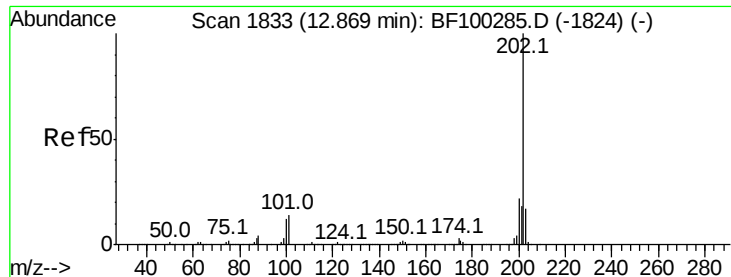
Delta R.T. -0.01 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

Tgt Ion:	240	Resp:	400236
Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.5	14.3
236	26.2	20.7	31.1





#77

Pvrene

Concen: 25.777 ng

RT: 12.87 min Scan# 1833

Delta R.T. 0.00 min

Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

Instrument :

BNA_F

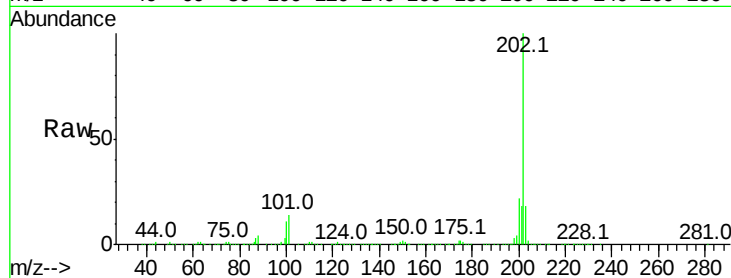
ClientSampleId :

RT-4651

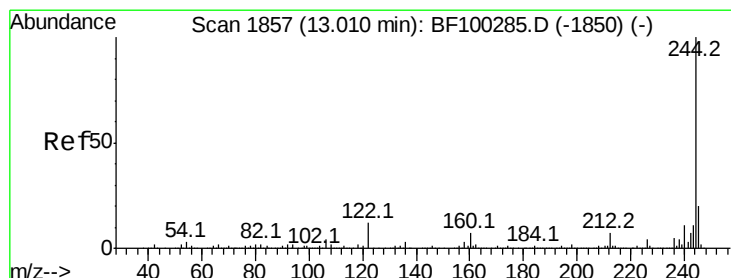
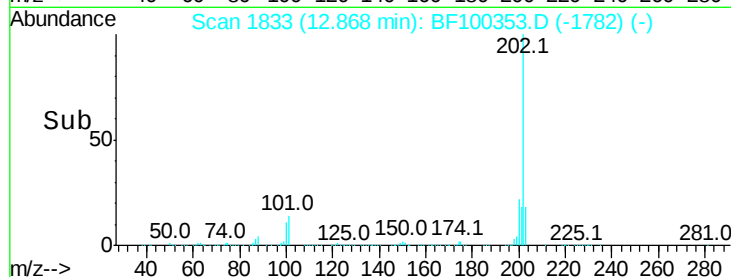
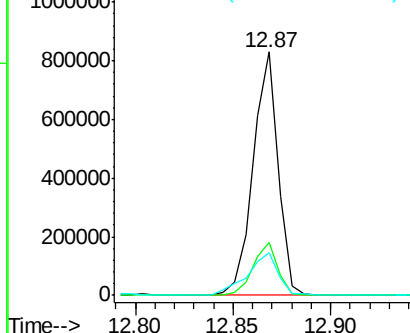
Tot Ion:	202	Resp:	735428
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.8	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 62.501 ng

RT: 13.01 min Scan# 1857

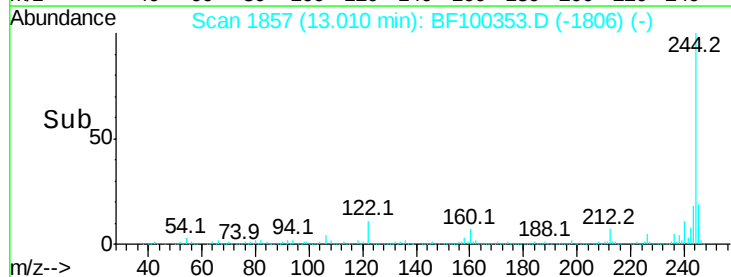
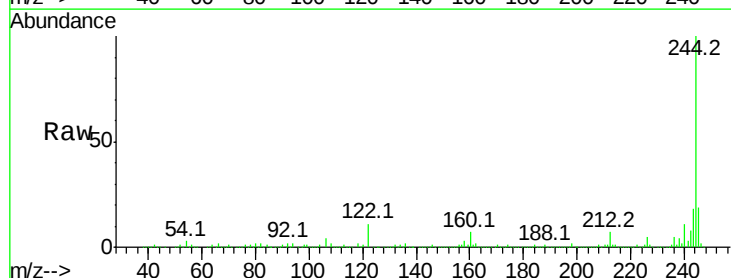
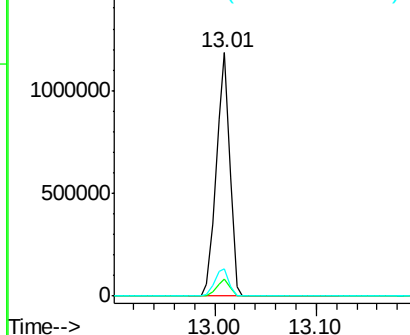
Delta R.T. 0.00 min

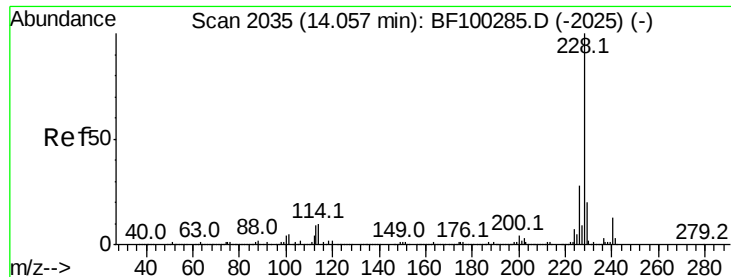
Lab File: BF100353.D

Acq: 9 Nov 2017 21:02

Tgt Ion:	244	Resp:	1088697
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	11.4	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





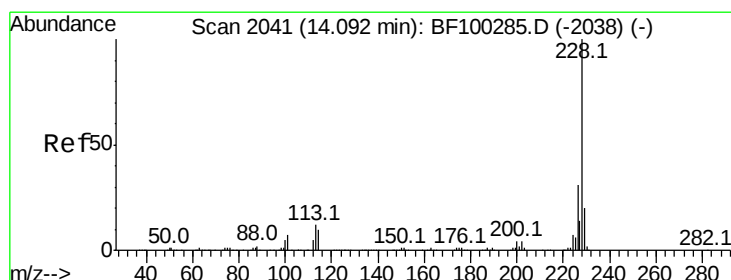
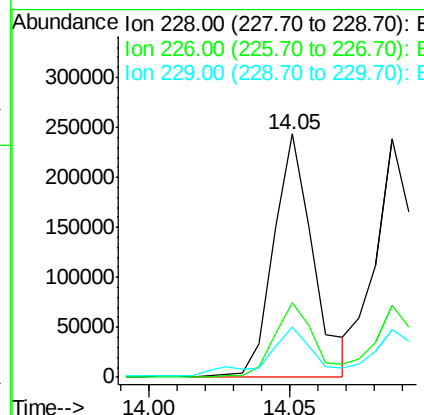
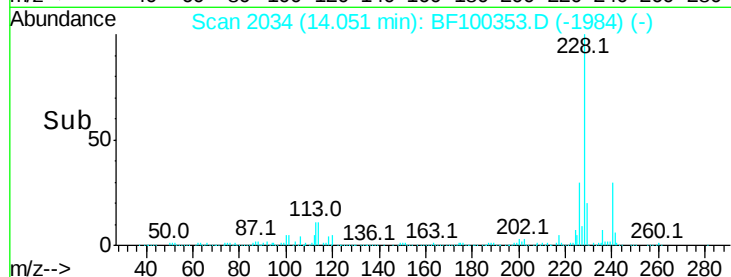
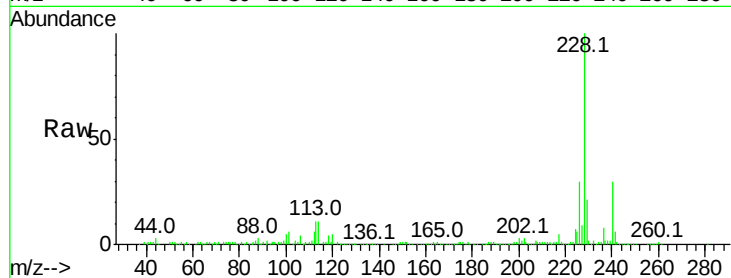
#80
Benzo(a)anthracene
Concen: 9.684 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampleId :
RT-4651

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	20.8	15.8	23.6

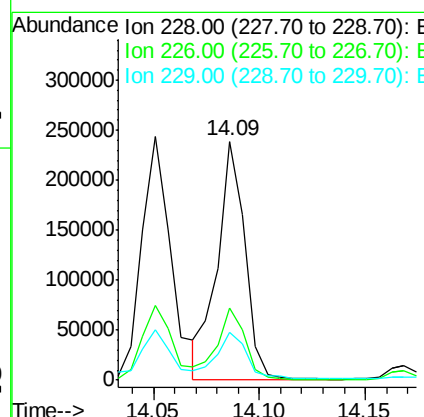
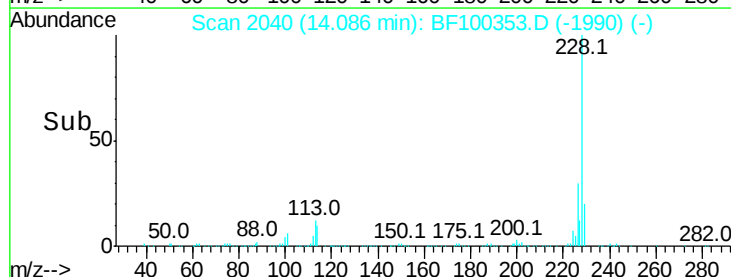
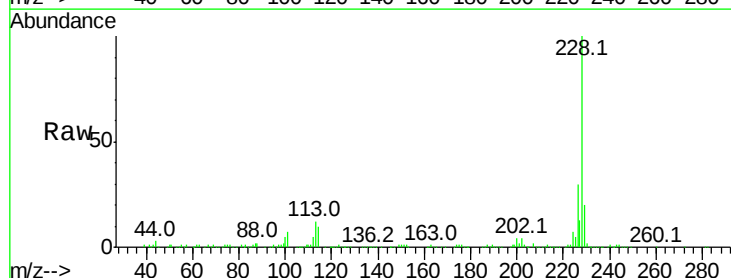
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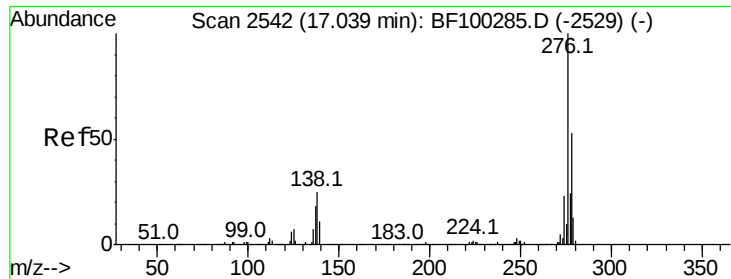
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#82
Chrysene
Concen: 9.287 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	20.2	16.2	24.4





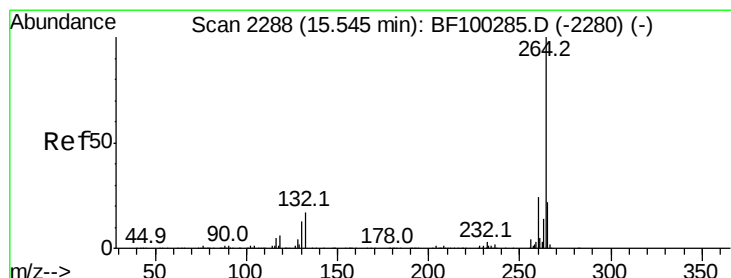
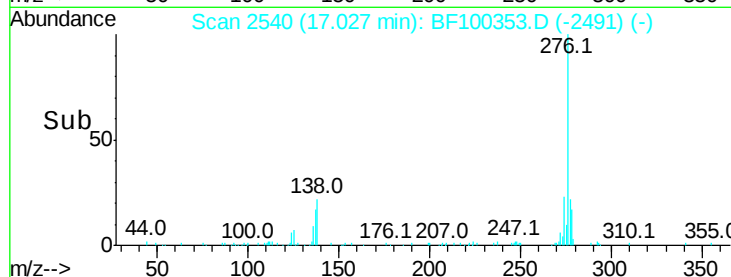
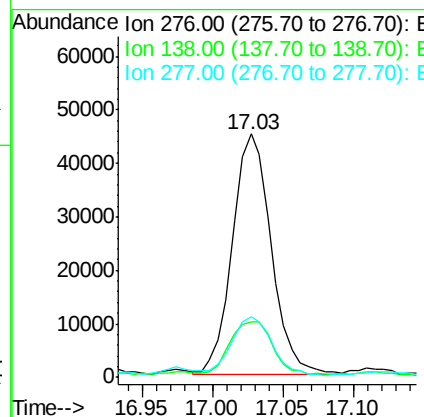
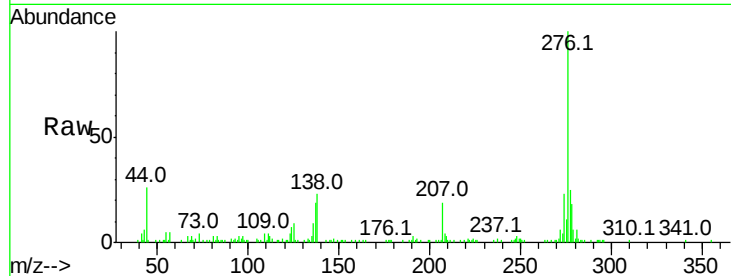
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.577 ng
RT: 17.03 min Scan# 2540
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampleId :
RT-4651

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.0	37.6
277	25.5	20.1	30.1

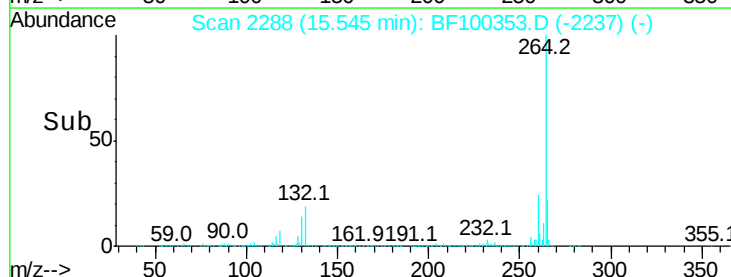
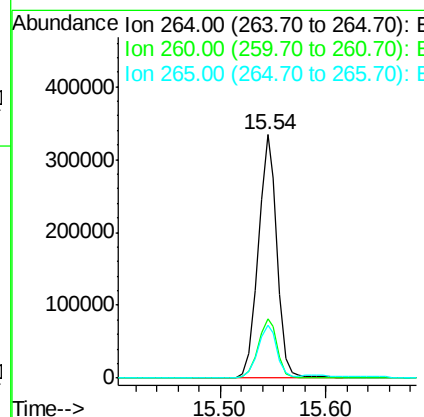
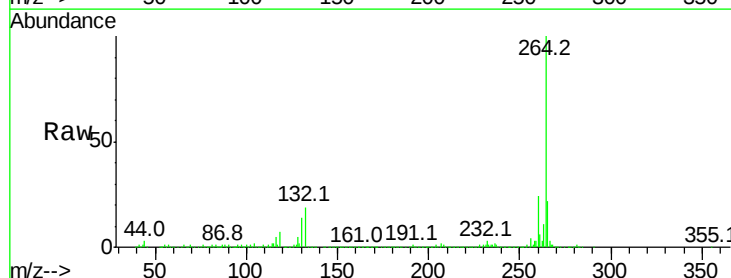
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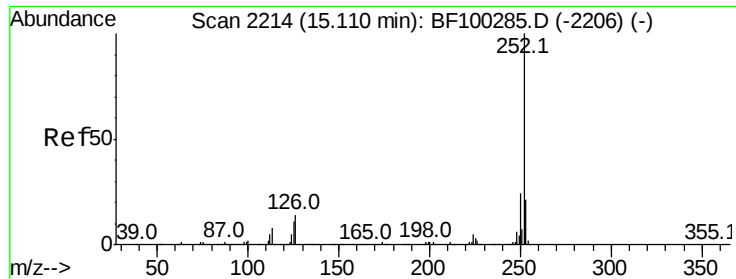
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.9	17.5	26.3





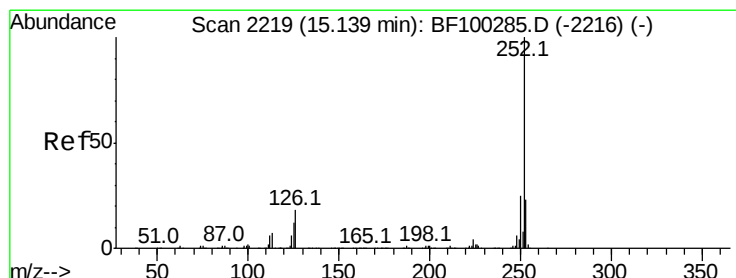
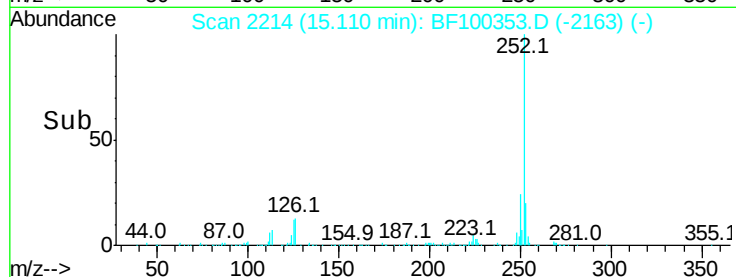
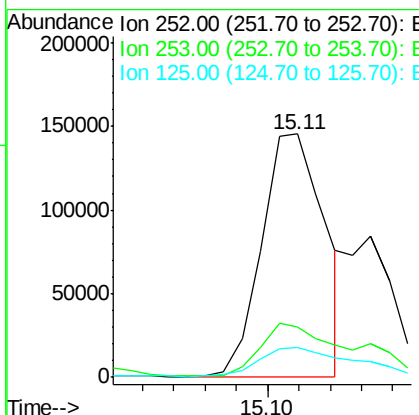
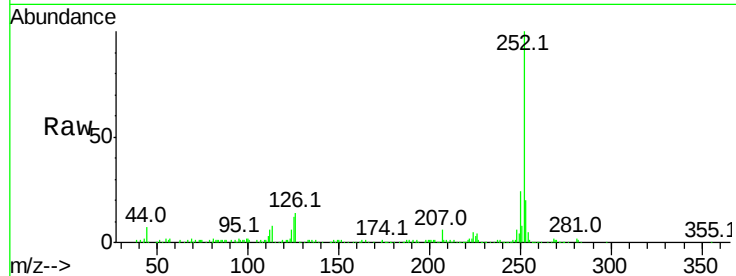
#87
Benzo(b)fluoranthene
Concen: 8.245 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.00 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampleId :
RT-4651

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.0	25.6
125	12.2	9.0	13.6

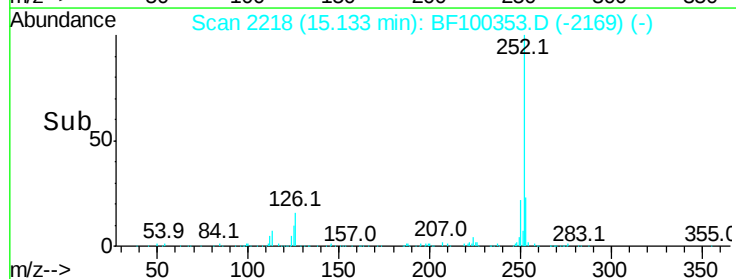
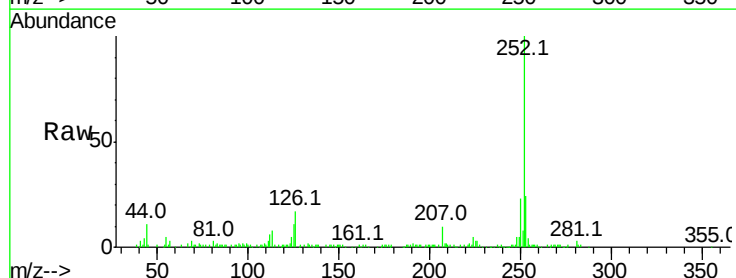
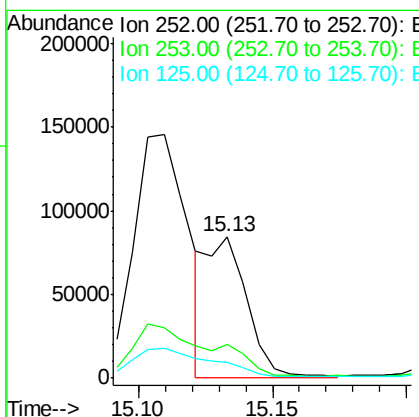
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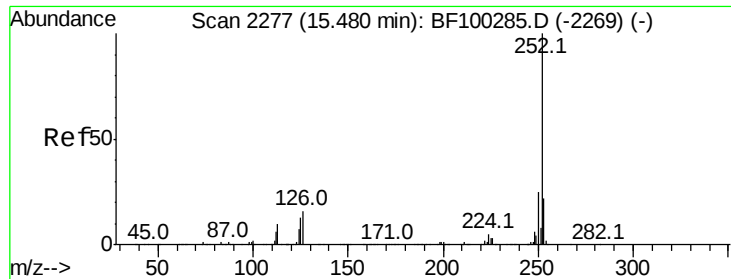
Sohil
11/10/2017 1:15:14 PM



#88
Benzo(k)fluoranthene
Concen: 3.757 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	10.8	10.2	15.2





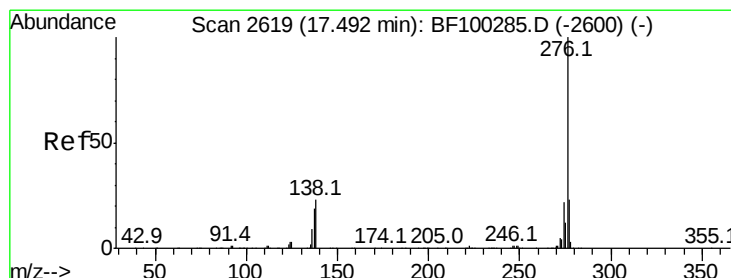
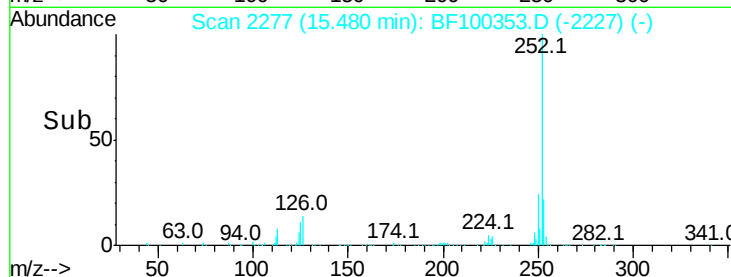
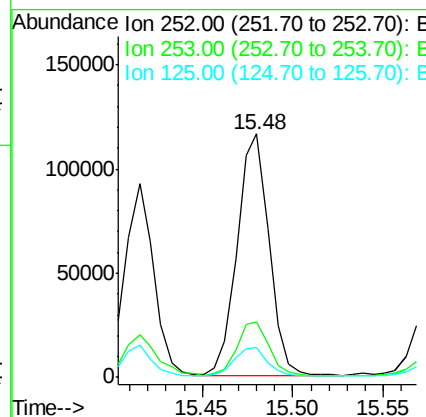
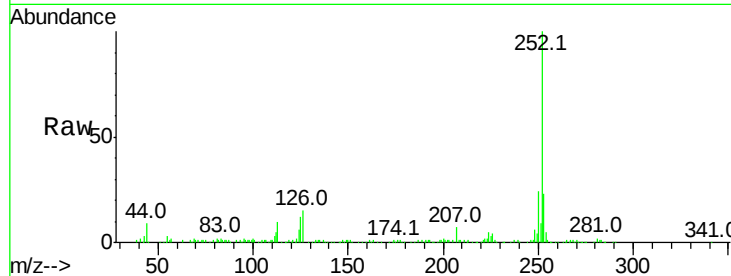
#89
Benzo(a)pyrene
Concen: 6.534 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Instrument :
BNA_F
ClientSampleId :
RT-4651

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	12.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.649 ng m
RT: 17.48 min Scan# 2617
Delta R.T. -0.01 min
Lab File: BF100353.D
Acq: 9 Nov 2017 21:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9#
138	27.9	21.8	32.8

