

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111417\
 Data File : BF100552.D
 Acq On : 14 Nov 2017 19:36
 Operator : SJ/JU
 Sample : I6441-29
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Manual Integrations
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Quant Time: Nov 15 01:39:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 14:17:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	117415	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	432568	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	164970	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	267865	20.00	ng	0.00
75) Chrysene-d12	14.04	240	265814	20.00	ng	0.00
86) Perylene-d12	15.52	264	185959	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	782731	106.86	ng	0.00
7) Phenol-d6	6.51	99	948292	104.99	ng	0.00
23) Nitrobenzene-d5	7.45	82	577123	88.21	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	166049	98.78	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	872417	80.53	ng	0.00
78) Terphenyl-d14	12.99	244	665038	57.49	ng	0.00
Target Compounds						
10) Phenol	6.52	94	54637	5.762	ng	98
49) Dimethylphthalate	9.63	163	125088	9.931	ng	98
74) Fluoranthene	12.62	202	64835	4.338	ng	98
77) Pyrene	12.84	202	64057	3.381	ng	98
80) Benzo(a)anthracene	14.03	228	38307m	2.393	ng	
82) Chrysene	14.07	228	34250	2.210	ng	98
87) Benzo(b)fluoranthene	15.09	252	35537m	3.226	ng	
89) Benzo(a)pyrene	15.45	252	24954	2.555	ng	# 93

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

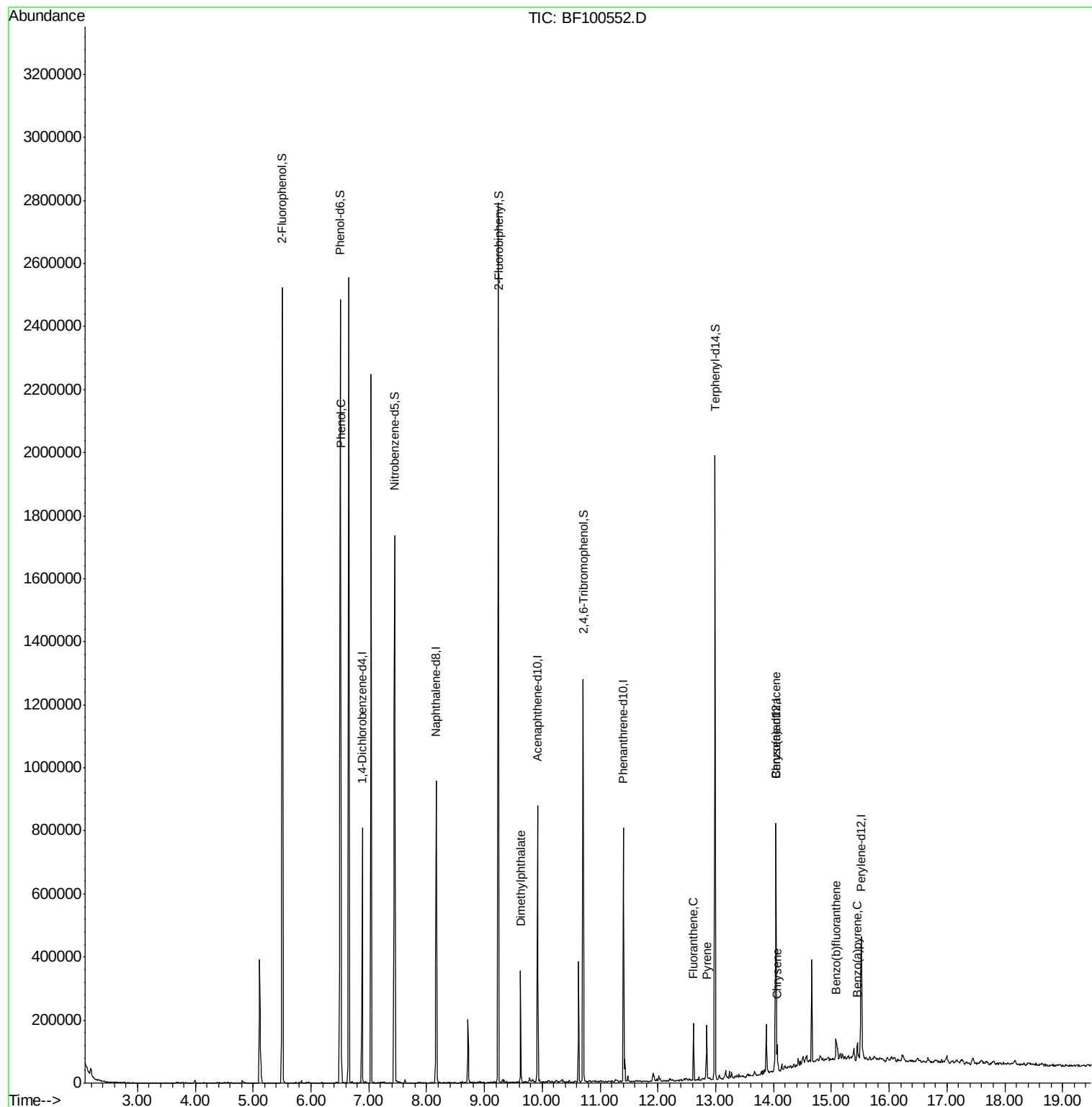
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111417\
Data File : BF100552.D
Acq On : 14 Nov 2017 19:36
Operator : SJ/JU
Sample : I6441-29
Misc :
ALS Vial : 17 Sample Multiplier: 1

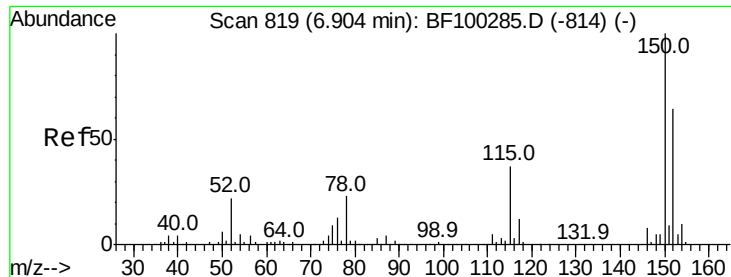
Instrument :
BNA_F
ClientSampled :
TP-16

Quant Time: Nov 15 01:39:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 14 14:17:16 2017
Response via : Initial Calibration

Manual Integrations
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#1

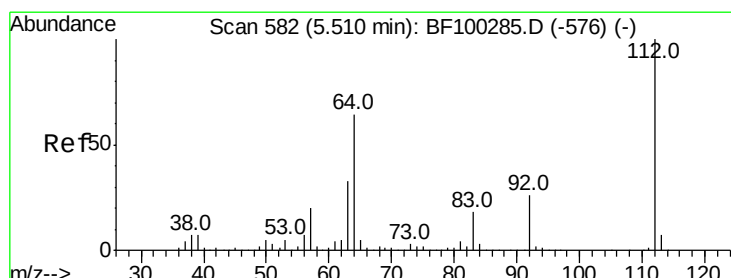
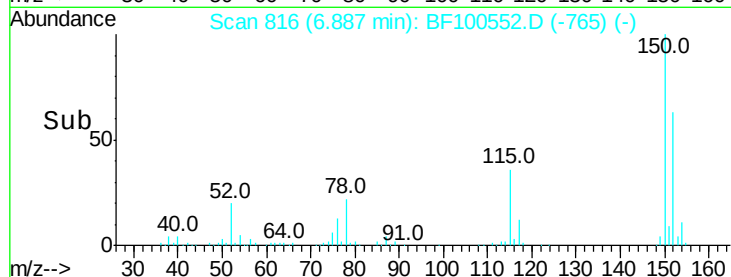
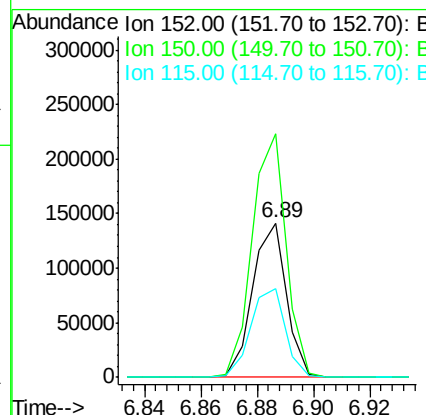
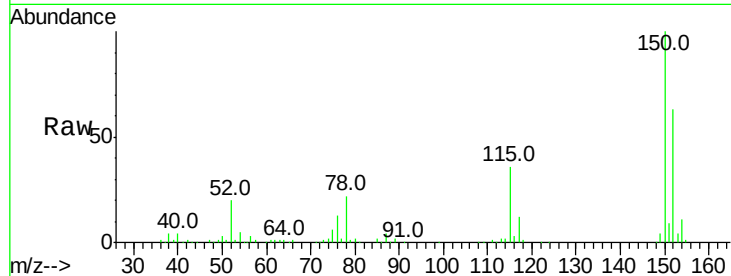
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Instrument :
BNA_F
ClientSampled :
TP-16

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	57.4	50.1	75.1

Manual Integrations
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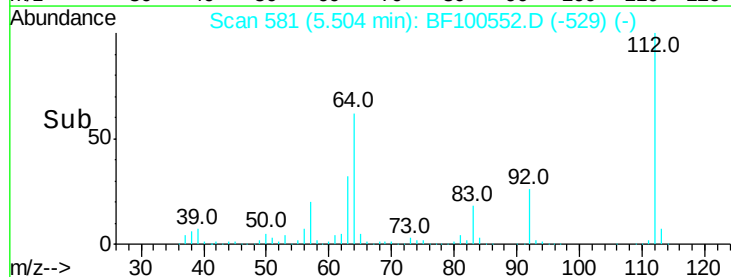
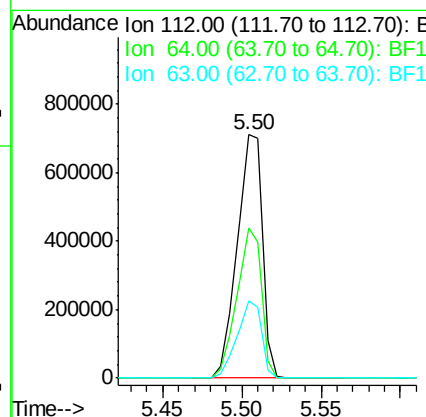
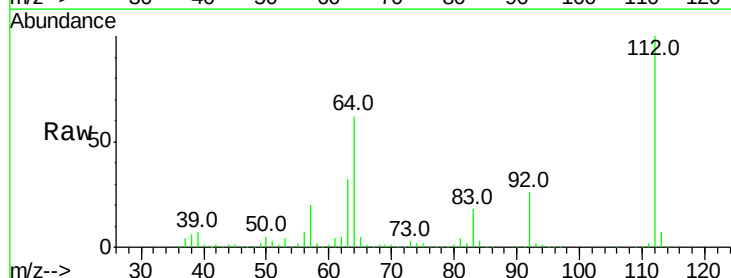
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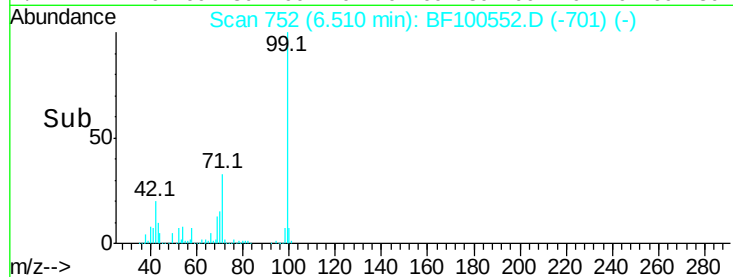
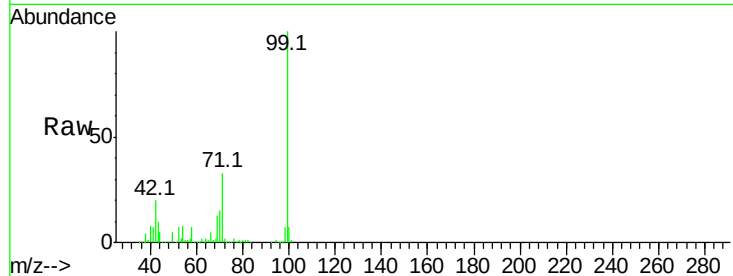
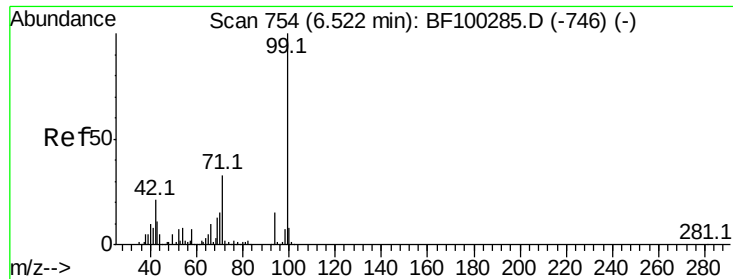


#5

2-Fluorophenol
Concen: 106.861 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	31.6	23.7	35.5





#7

Phenol-d6

Concen: 104.988 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		948292		
42	20.1	14.5	21.7		
71	33.1	25.4	38.0		

Instrument :

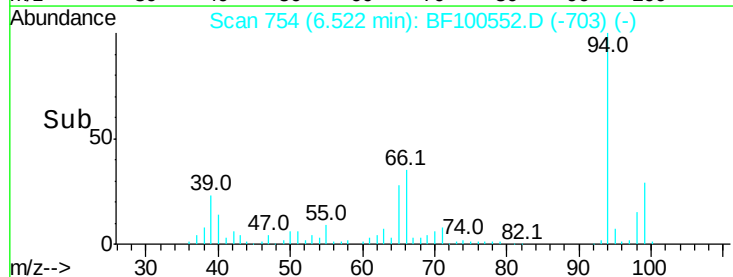
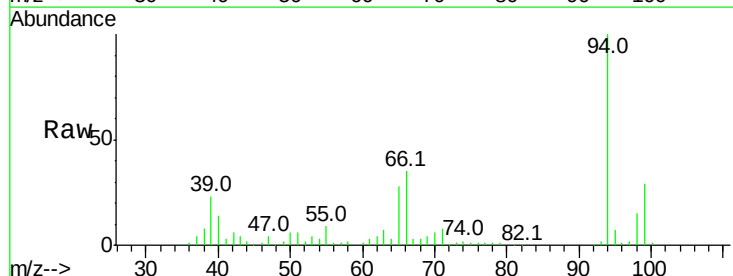
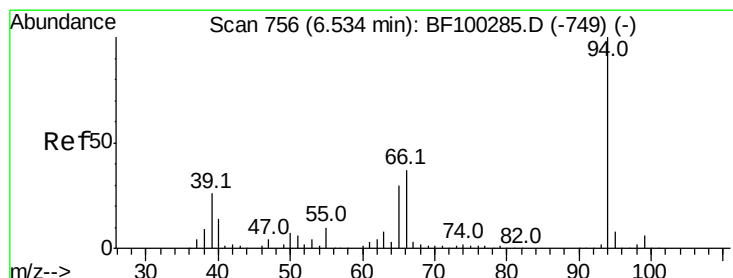
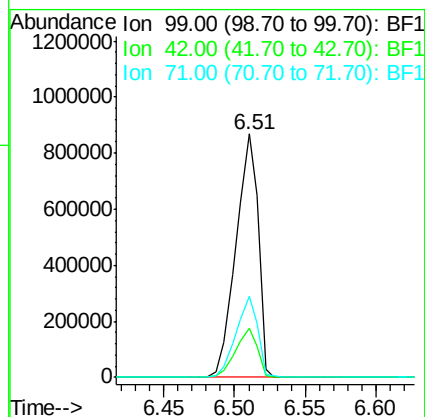
BNA_F

ClientSampled :

TP-16

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#10

Phenol

Concen: 5.762 ng

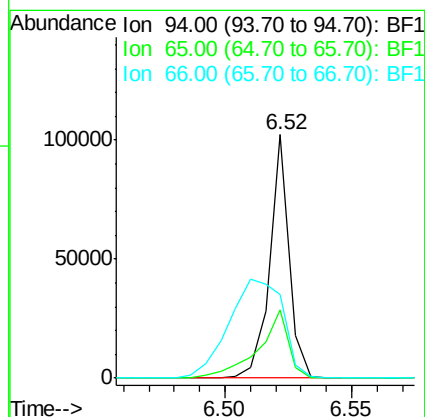
RT: 6.52 min Scan# 754

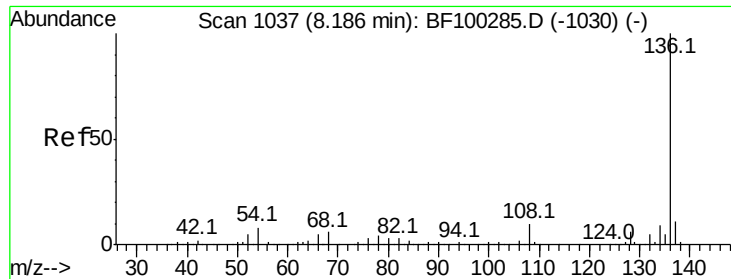
Delta R.T. -0.00 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		54637		
65	27.8	7.9	47.9		
66	34.5	16.2	56.2		





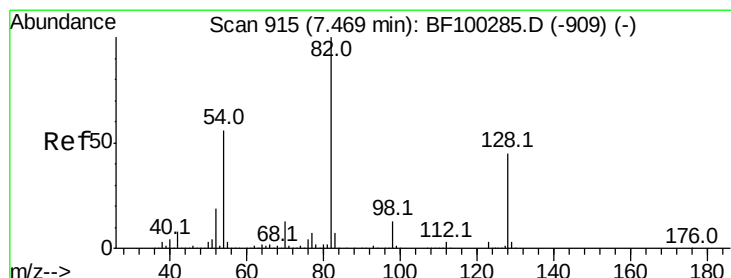
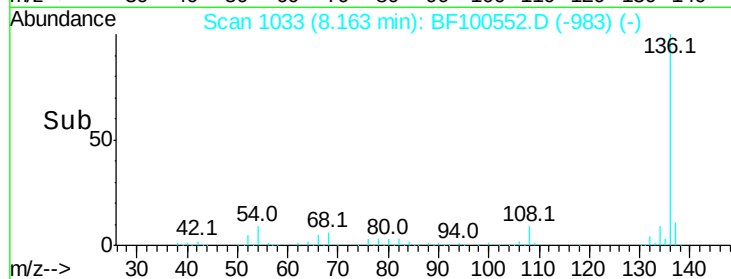
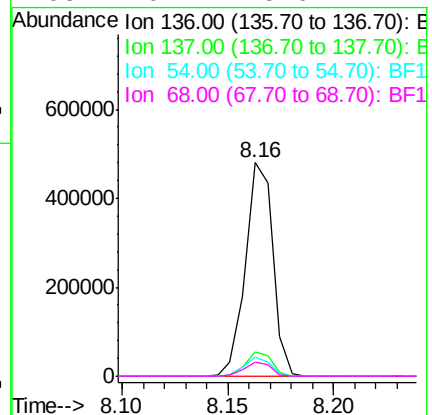
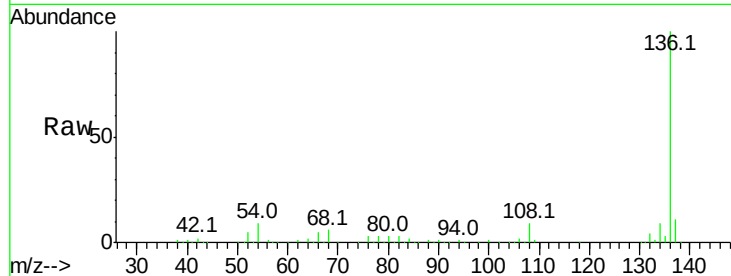
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Instrument :
BNA_F
ClientSampleId :
TP-16

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	8.8	6.6	9.8	
68	6.4	5.0	7.4	

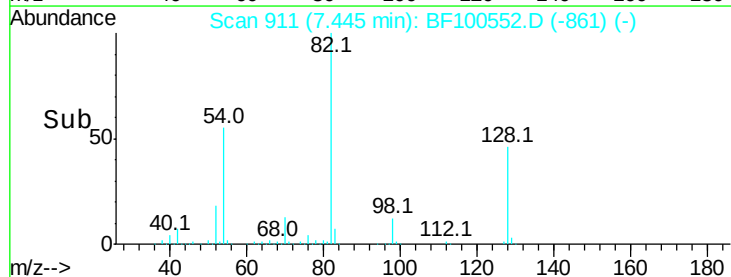
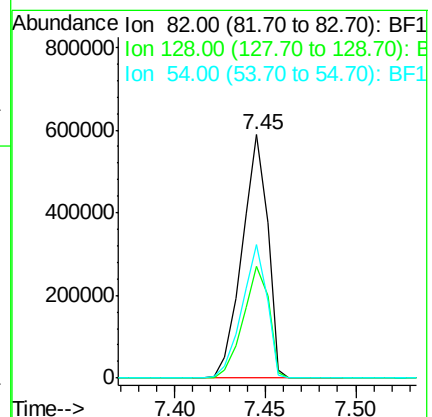
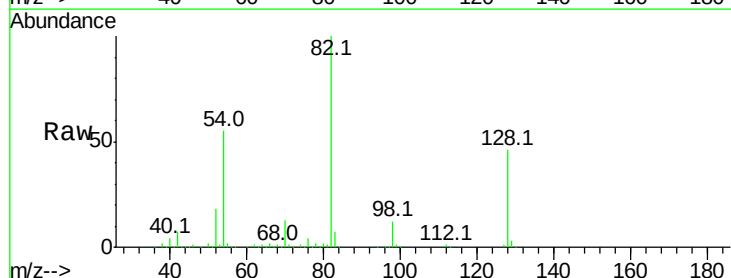
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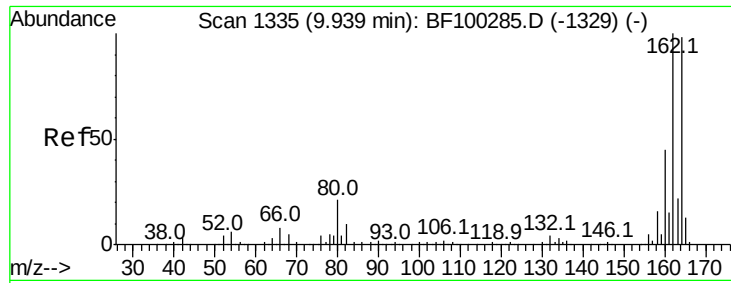
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#23
Nitrobenzene-d5
Concen: 88.207 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.8	36.1	54.1	
54	54.8	41.4	62.2	





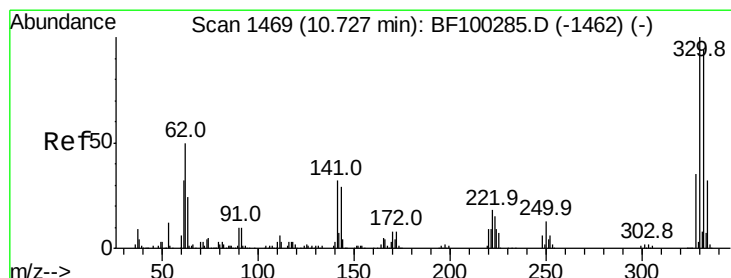
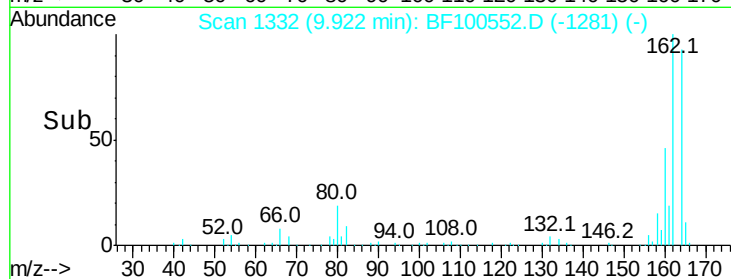
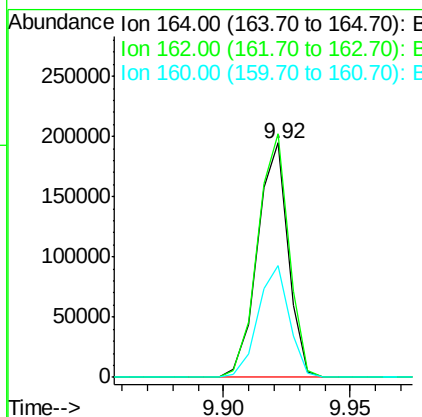
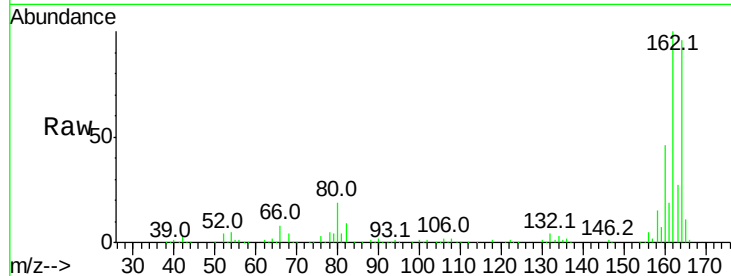
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

Instrument :
 BNA_F
 ClientSampled :
 TP-16

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	47.8	38.3	57.5

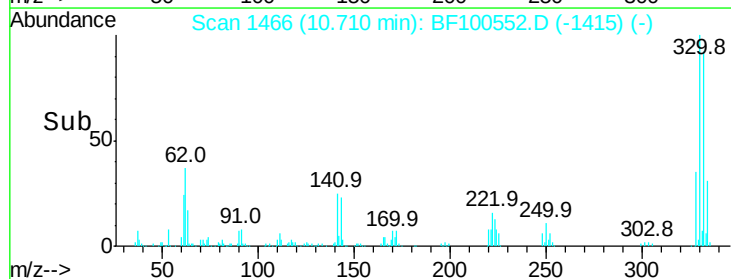
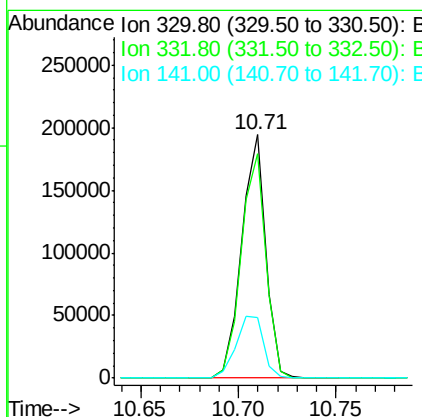
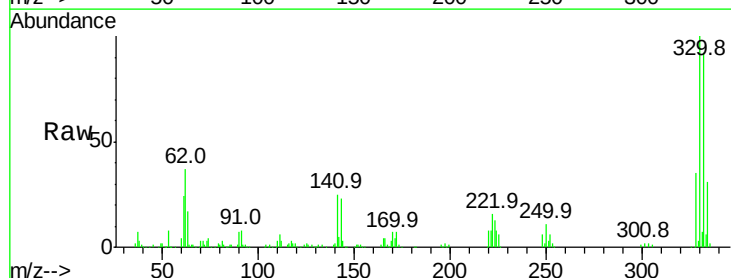
Manual Integrations
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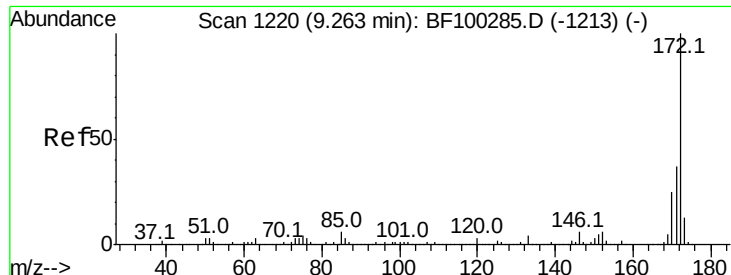
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#41
 2,4,6-Tribromophenol
 Concen: 98.777 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF100552.D
 Acq: 14 Nov 2017 19:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	29.2	29.9	44.9#





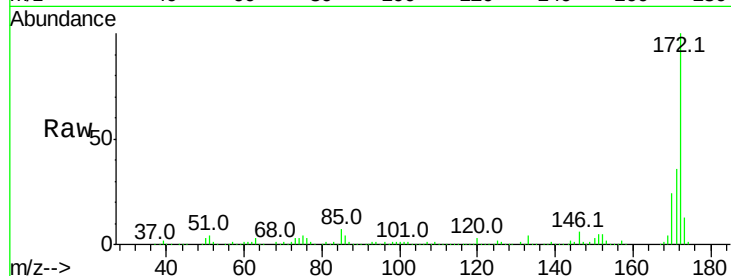
#44
2-Fluorobiphenyl
Concen: 80.526 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Instrument :
BNA_F
ClientSampleId :
TP-16

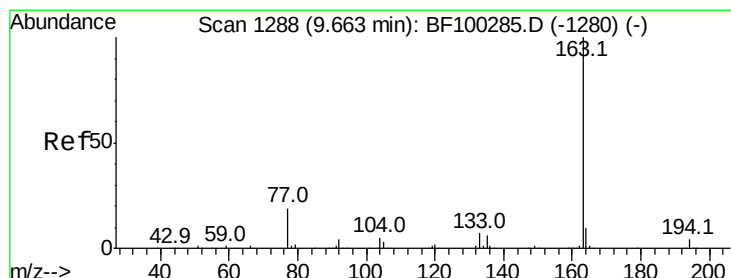
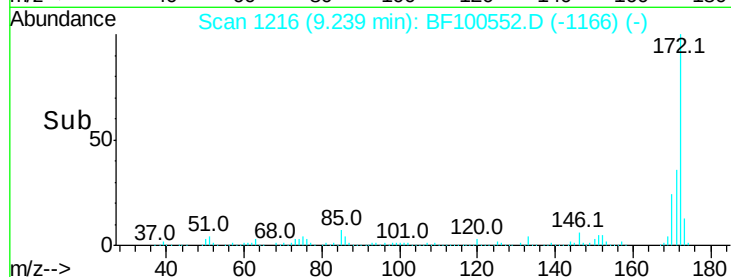
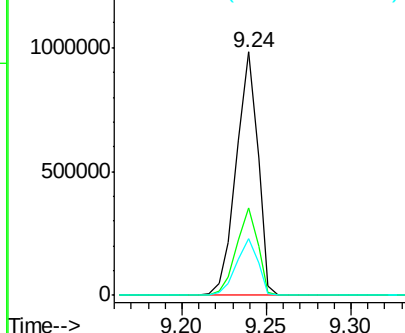
Tot Ion	Ratio	Resp	Lower	Upper
172	100	872417		
171	35.9		29.7	44.5
170	23.6		19.6	29.4

Manual Integrations
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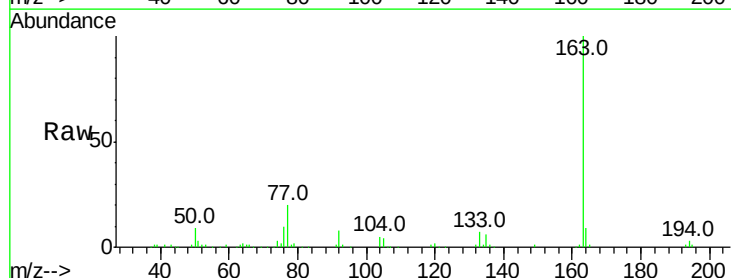


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

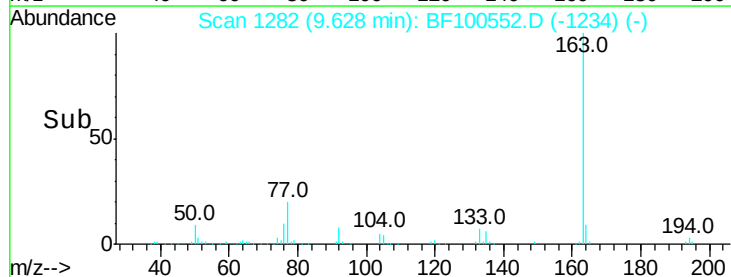
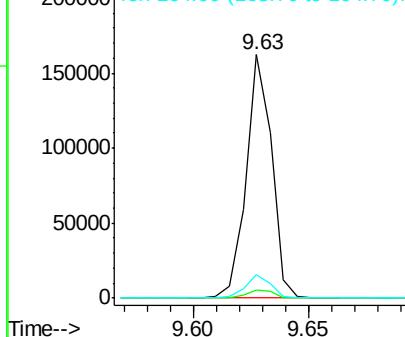


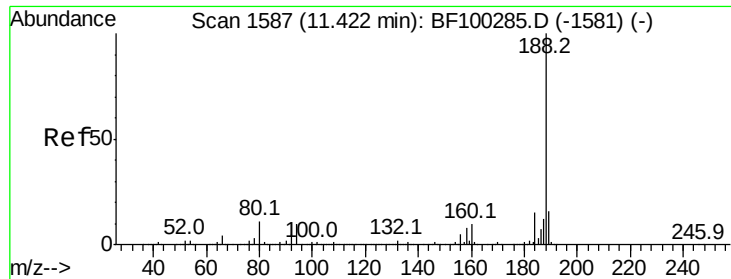
#49
Dimethylphthalate
Concen: 9.931 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF100552.D
Acq: 14 Nov 2017 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	125088		
194	3.1		2.7	4.1
164	9.4		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: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Instrument :

BNA_F

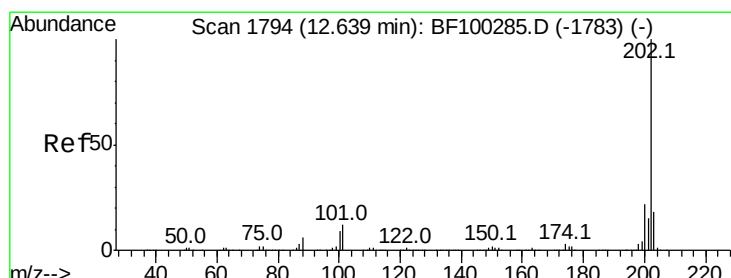
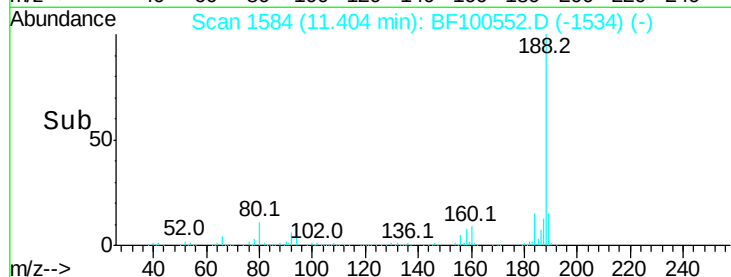
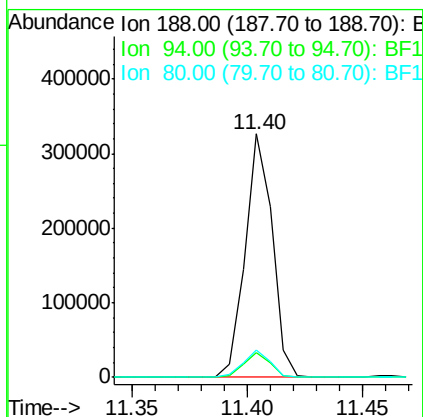
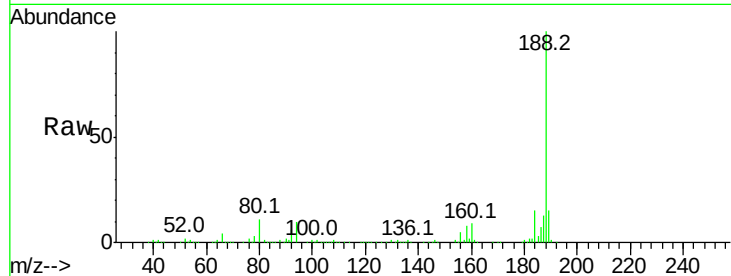
ClientSampled :

TP-16

Tot Ion:	188	Resp:	267865
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.5	12.7
80	11.4	9.2	13.8

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#74

Fluoranthene

Concen: 4.338 ng

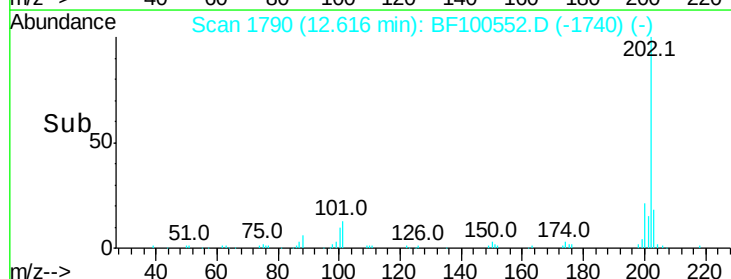
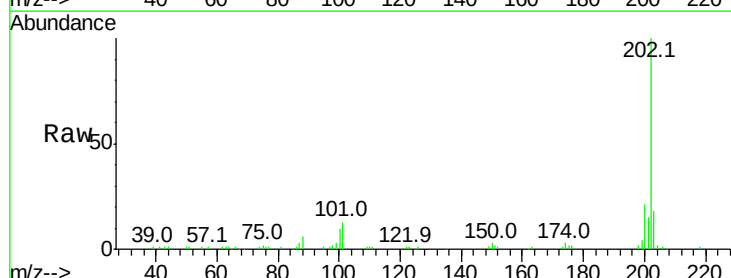
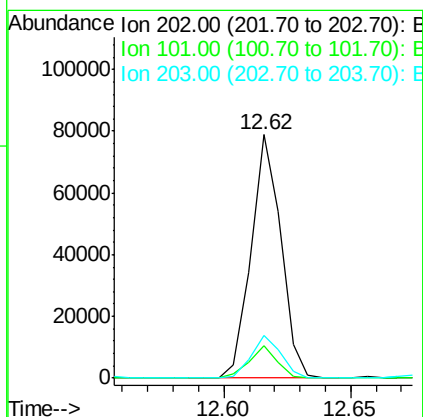
RT: 12.62 min Scan# 1790

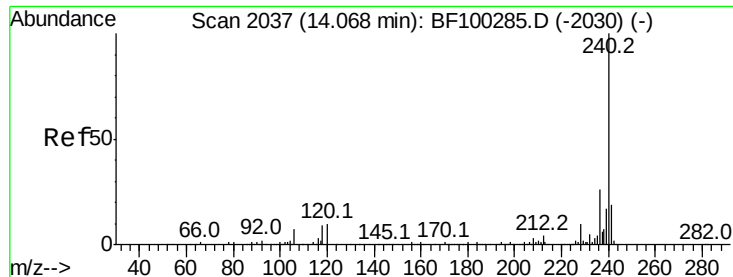
Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Tgt Ion:	202	Resp:	64835
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Instrument :

BNA_F

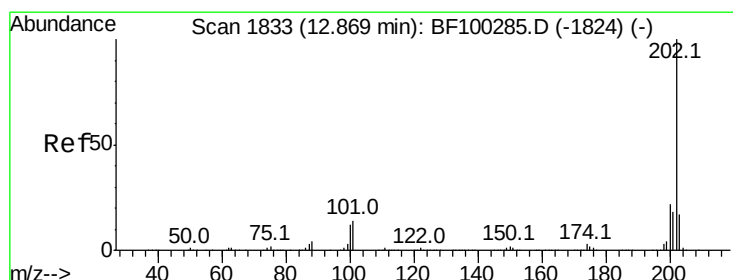
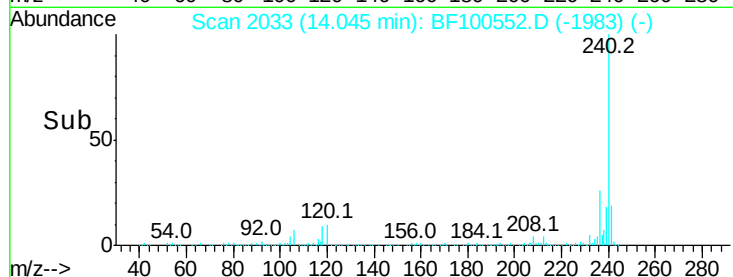
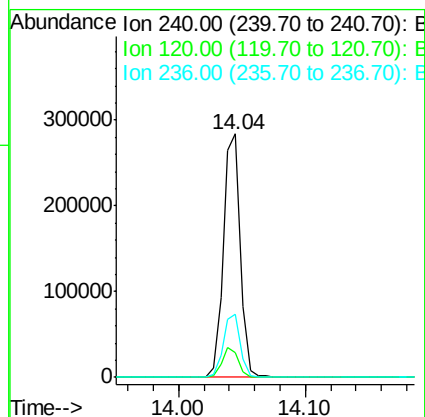
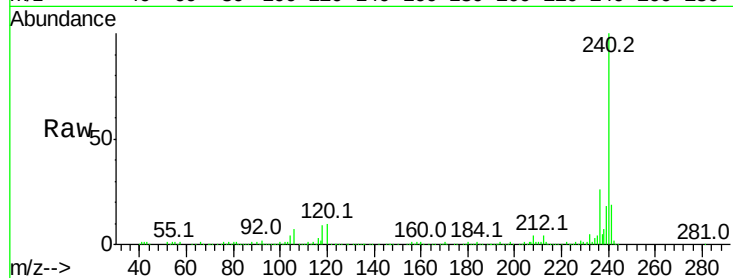
ClientSampleId :

TP-16

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	10.0	9.5	14.3
236	26.1	20.7	31.1

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#77

Pyrene

Concen: 3.381 ng

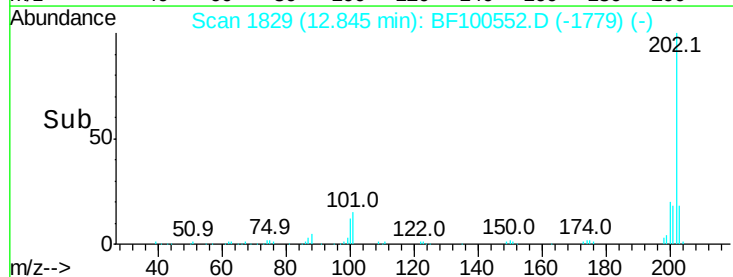
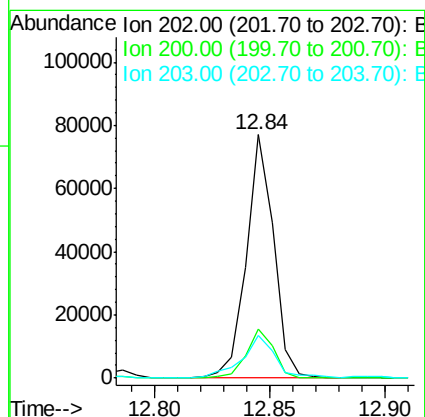
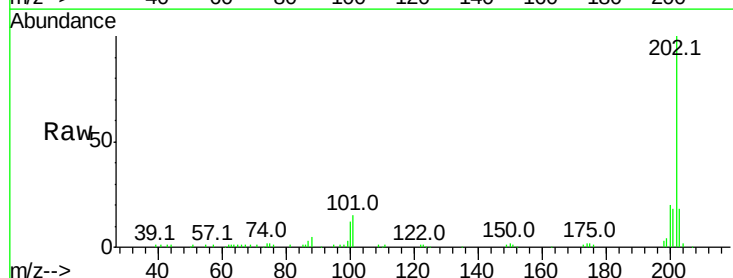
RT: 12.84 min Scan# 1829

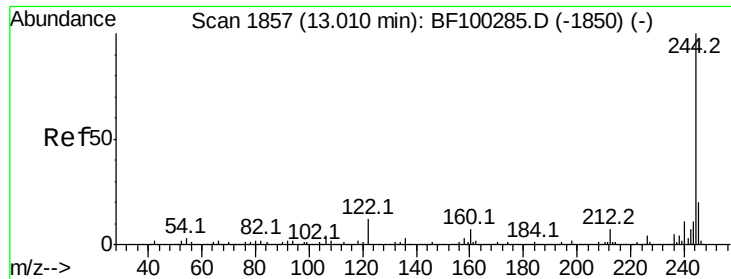
Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	17.4	26.2
203	17.7	14.3	21.5





#78

Terphenyl-d14

Concen: 57.486 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Instrument :

BNA_F

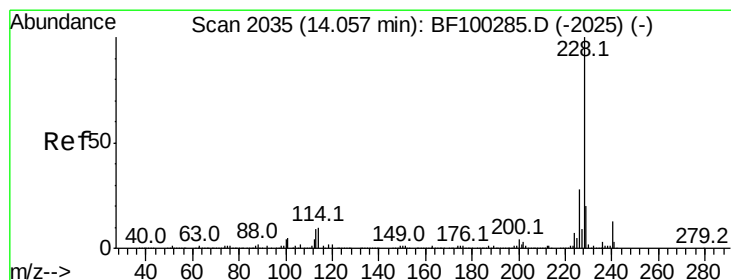
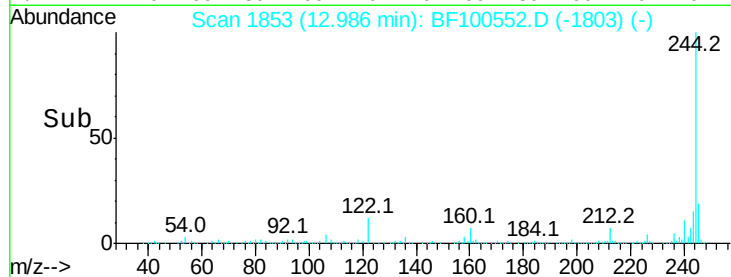
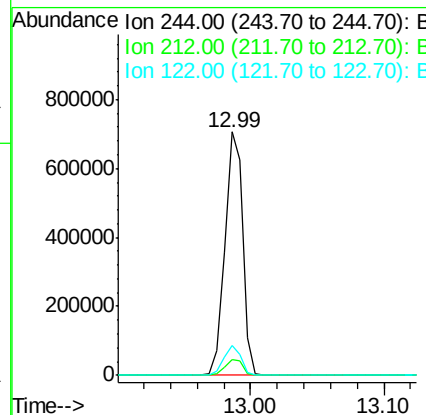
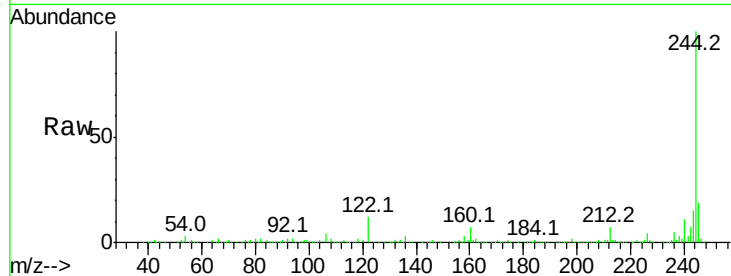
ClientSampleId :

TP-16

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.2	11.0	16.4

Manual Integrations
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SOHIL
11/15/2017 12:30:08 PM



#80

Benzo(a)anthracene

Concen: 2.393 ng m

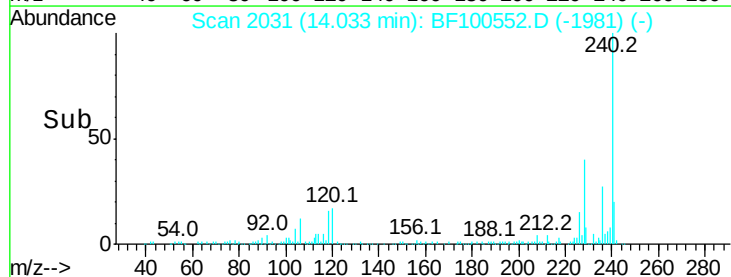
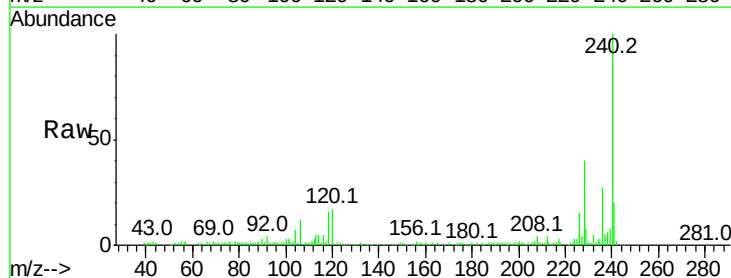
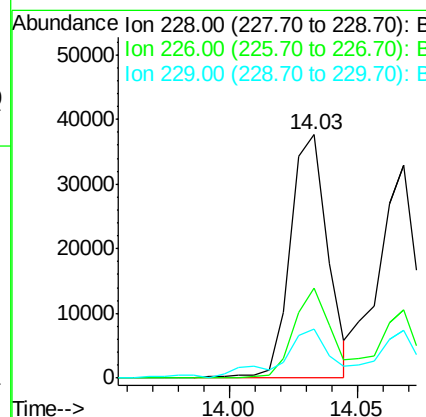
RT: 14.03 min Scan# 2031

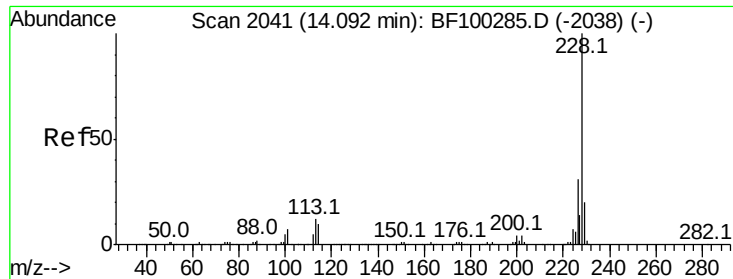
Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.9	22.6	33.8#
229	20.4	15.8	23.6





#82

Chrysene

Concen: 2.210 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Instrument :

BNA_F

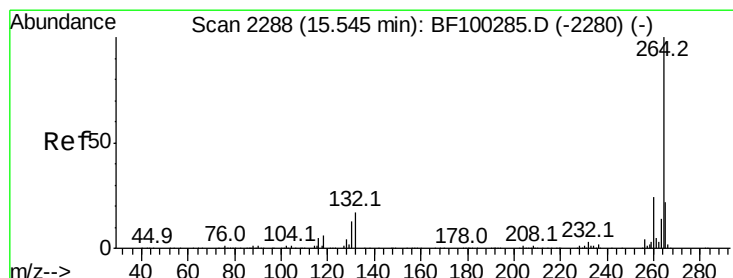
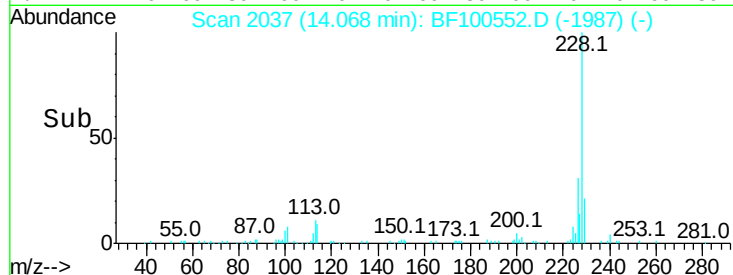
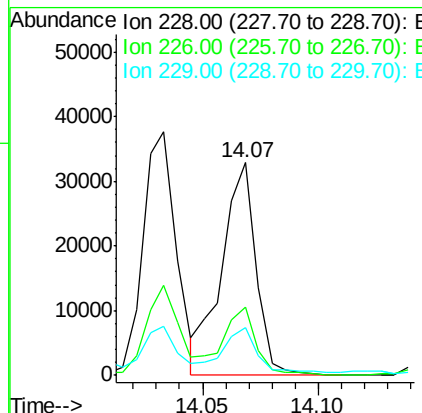
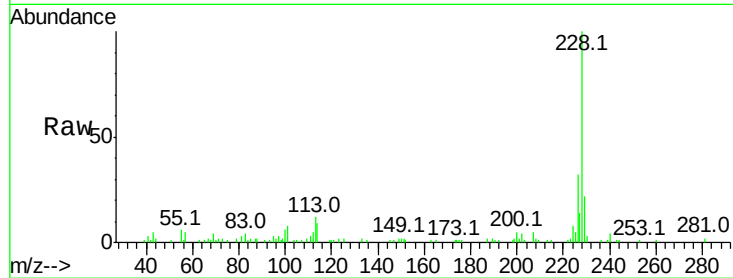
ClientSampled :

TP-16

Tot Ion:	228	Resp:	34250
Ion Ratio	Lower	Upper	
228	100		
226	32.0	25.0	37.6
229	22.2	16.2	24.4

Manual Integrations
APPROVED

SOHIL
11/15/2017 12:30:08 PM



#86

Perylene-d12

Concen: 20.000 ng

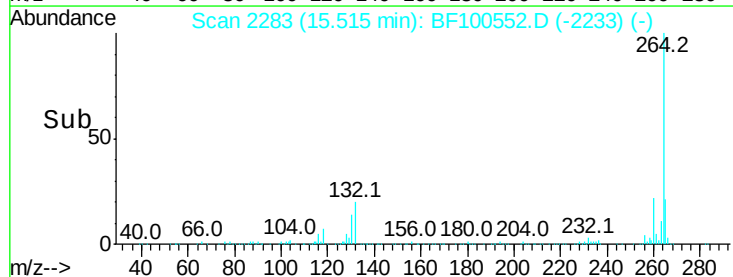
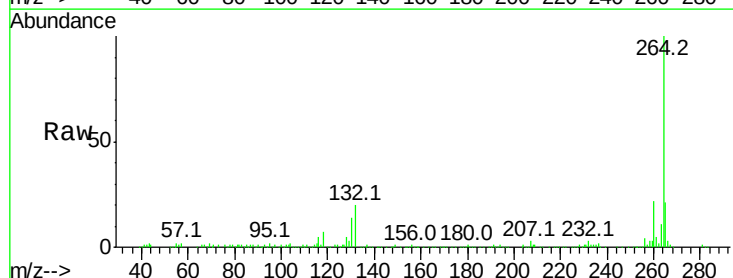
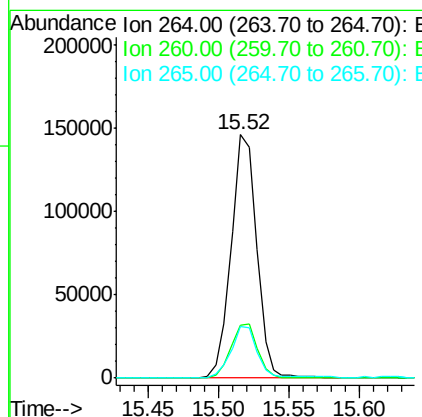
RT: 15.52 min Scan# 2283

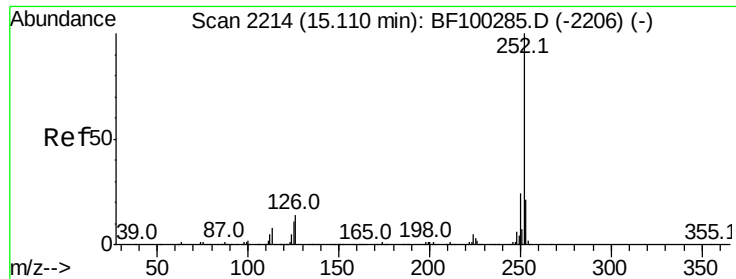
Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Tgt Ion:	264	Resp:	185959
Ion Ratio	Lower	Upper	
264	100		
260	21.9	19.2	28.8
265	21.0	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.226 ng/mL

RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Instrument :

BNA_F

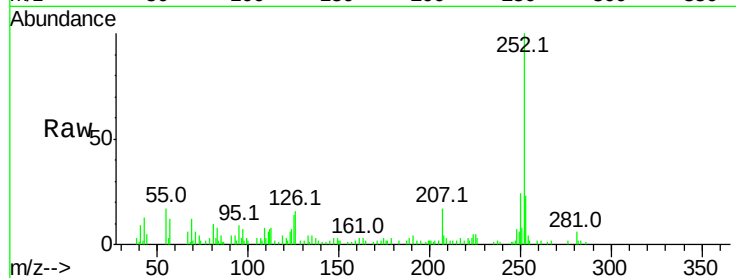
ClientSampled :

TP-16

Tot Ion:	252	Resp:	35537
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	13.9	9.0	13.6#

Manual Integrations
APPROVED

SOHIL
11/15/2017 12:30:08 PM

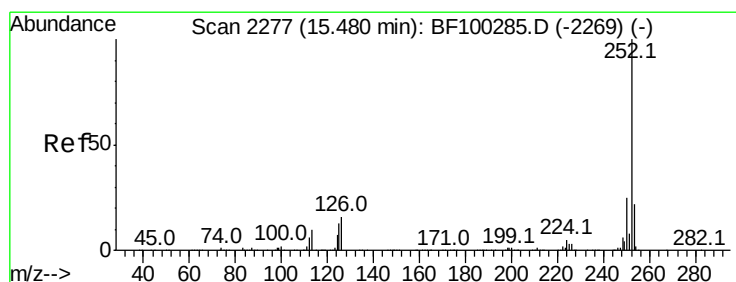
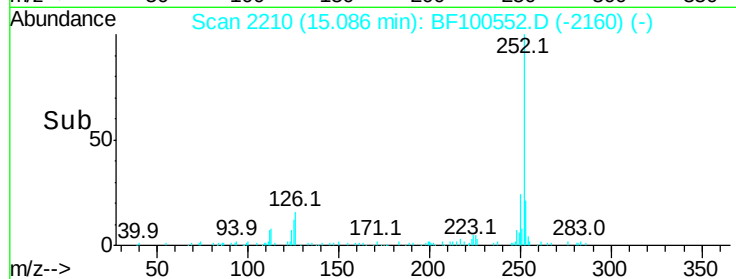
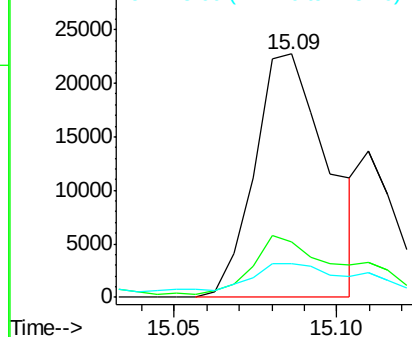


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.555 ng/mL

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF100552.D

Acq: 14 Nov 2017 19:36

Tgt Ion:	252	Resp:	24954
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.1	25.7
125	16.9	9.8	14.6#

Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

