

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110517\
 Data File : BF100227.D
 Acq On : 5 Nov 2017 16:45
 Operator : SJ/JU
 Sample : I6289-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-110217

Manual Integrations
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Sohil
 11/6/2017 2:33:28 PM

Quant Time: Nov 06 06:53:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	84482	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	324082	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	120821	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	168694	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	166855	20.00	ng	-0.01
86) Perylene-d12	15.40	264	157691	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	42240	7.85	ng	0.05
7) Phenol-d6	6.46	99	55545	8.71	ng	0.03
23) Nitrobenzene-d5	7.36	82	35440	7.04	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	8902	8.08	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	74199	9.47	ng	-0.01
78) Terphenyl-d14	12.86	244	46795	6.13	ng	-0.02
Target Compounds						
31) Naphthalene	8.07	128	34755	2.222	ng	98
51) Acenaphthene	9.83	154	24234	3.244	ng	95
54) Dibenzofuran	10.01	168	27043	2.565	ng	97
57) Fluorene	10.35	166	32350	3.705	ng	99
70) Phenanthrene	11.31	178	224034	23.532	ng	98
71) Anthracene	11.37	178	72251	7.477	ng	97
74) Fluoranthene	12.50	202	295926	29.911	ng	99
77) Pyrene	12.74	202	270005	21.281	ng	99
80) Benzo(a)anthracene	13.93	228	147525	13.947	ng	98
82) Chrysene	13.96	228	120442	12.112	ng	97
85) Indeno(1,2,3-cd)pyrene	16.88	276	54659	5.987	ng	92
87) Benzo(b)fluoranthene	14.98	252	140614m	14.121	ng	
88) Benzo(k)fluoranthene	15.00	252	59589m	6.346	ng	
89) Benzo(a)pyrene	15.34	252	112899	12.622	ng	96
91) Benzo(a,h,i)perylene	17.33	276	45697	5.877	ng #	91

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

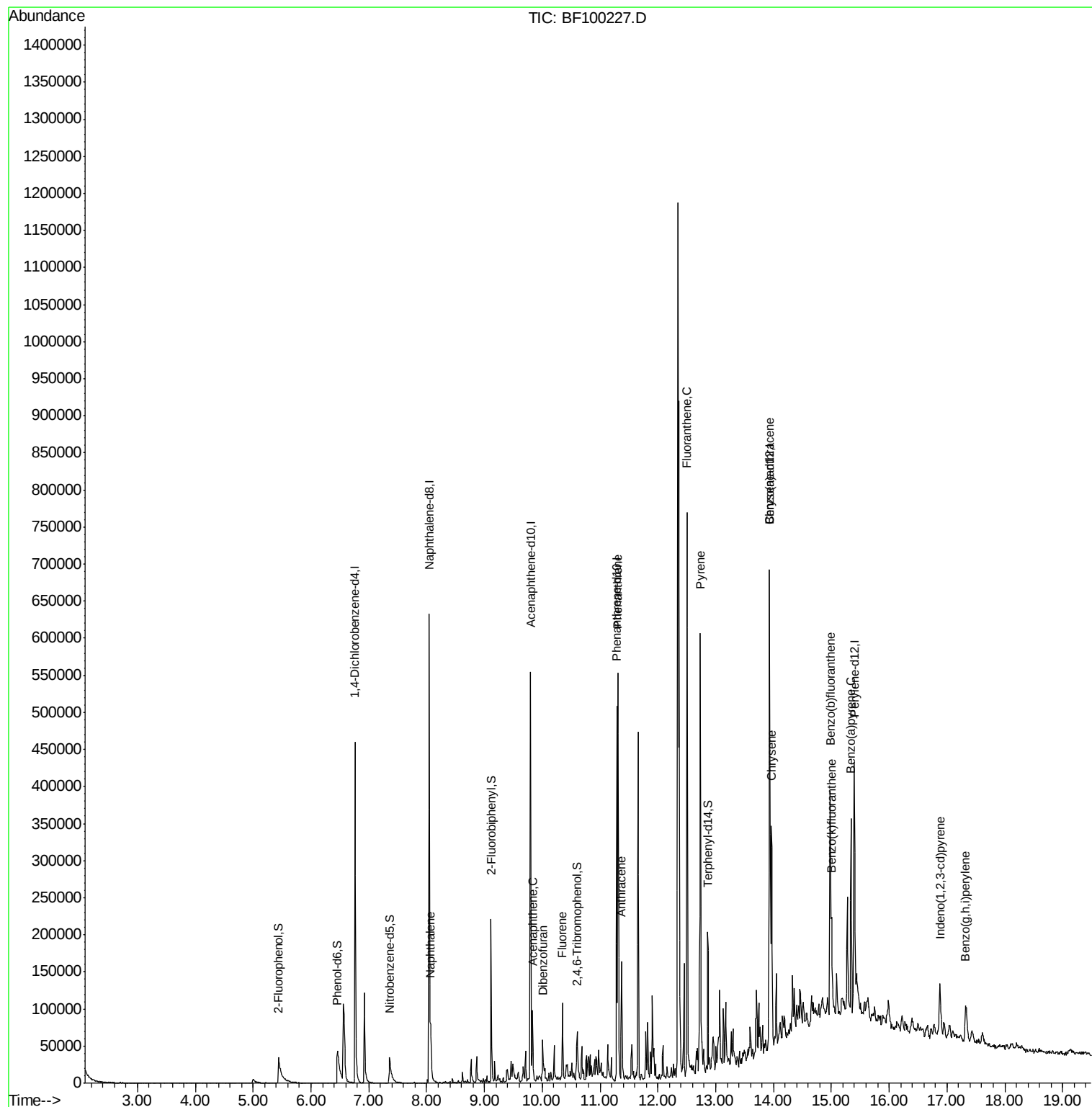
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110517\
Data File : BF100227.D
Acq On : 5 Nov 2017 16:45
Operator : SJ/JU
Sample : I6289-01 10X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Time: Nov 06 06:53:16 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
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#1

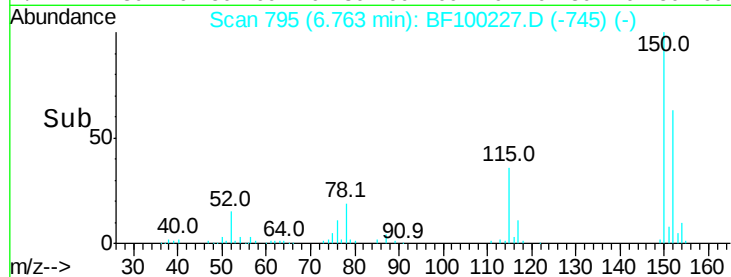
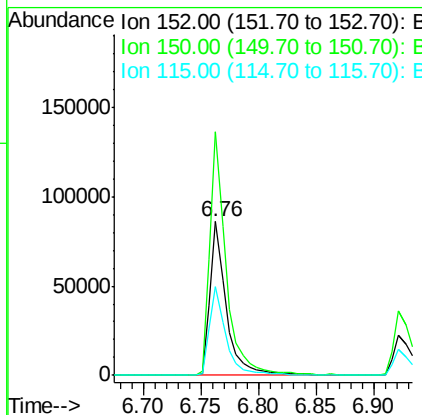
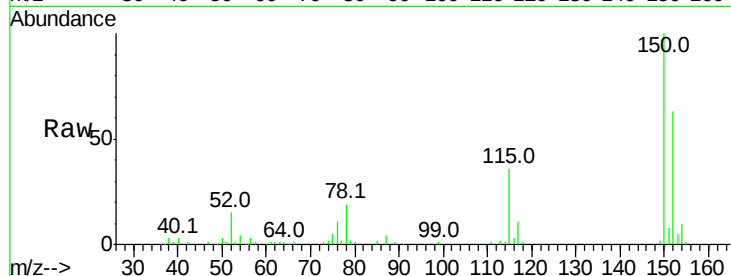
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Instrument :
BNA_F
ClientSampleId :
SU-03-110217

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	57.7	50.1	75.1

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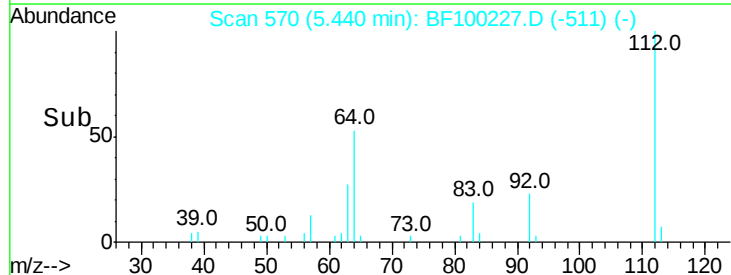
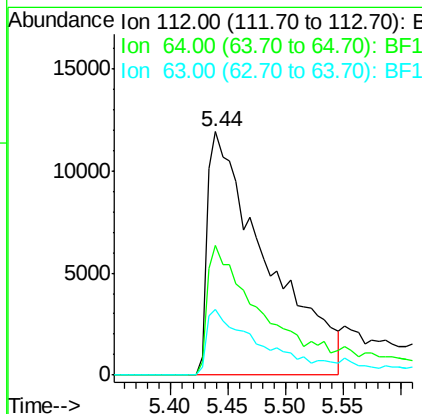
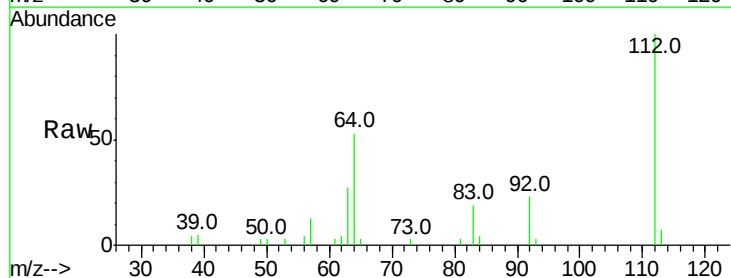
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#5

2-Fluorophenol
Concen: 7.850 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.05 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	27.1	23.7	35.5





#7

Phenol-d6

Concen: 8.705 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.03 min

Lab File: BF100227.D

Acq: 5 Nov 2017 16:45

Instrument :

BNA_F

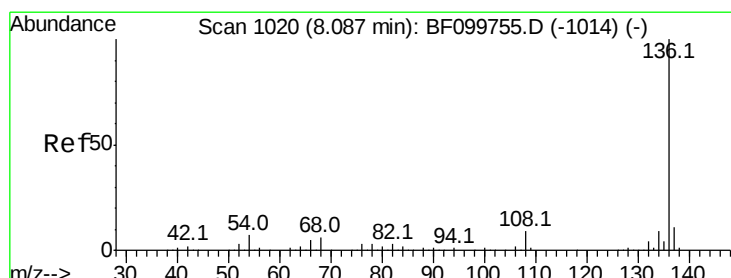
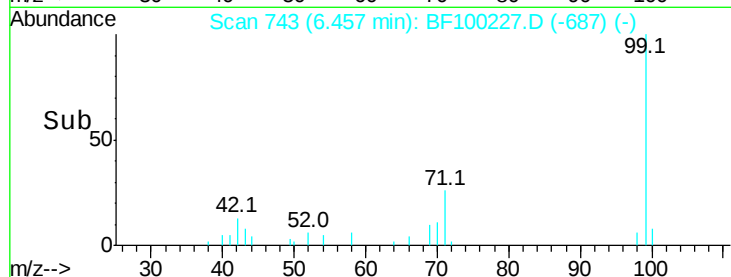
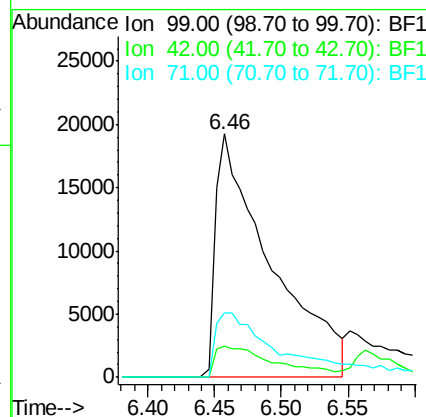
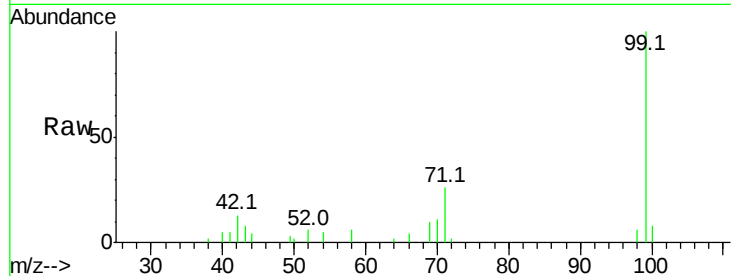
ClientSampled :

SU-03-110217

Tot Ion:	99	Resp:	55545
Ion Ratio	Lower	Upper	
99	100		
42	12.9	14.5	21.7#
71	26.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

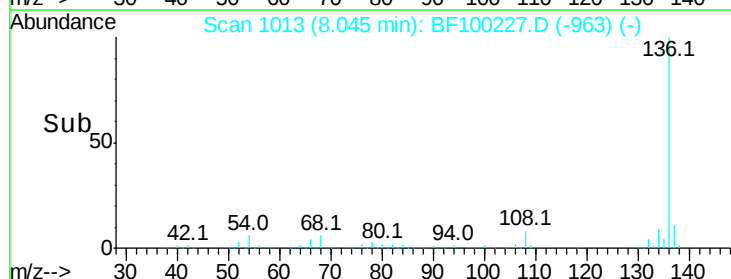
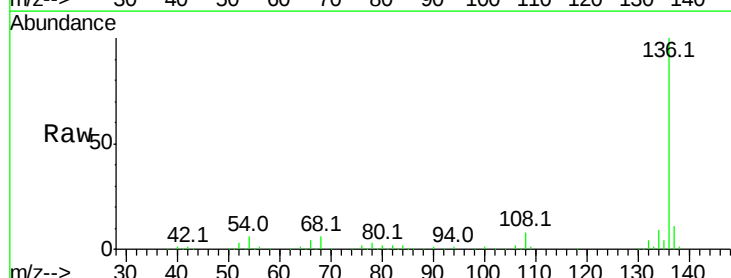
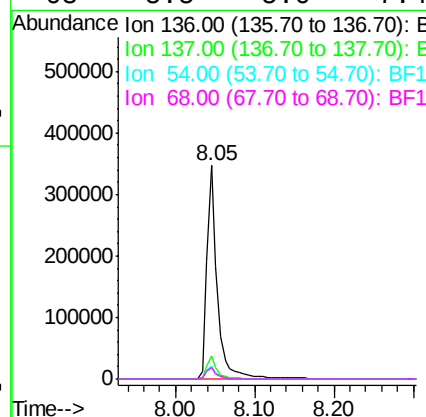
RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF100227.D

Acq: 5 Nov 2017 16:45

Tgt Ion:	136	Resp:	324082
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	6.1	6.6	9.8#
68	5.5	5.0	7.4





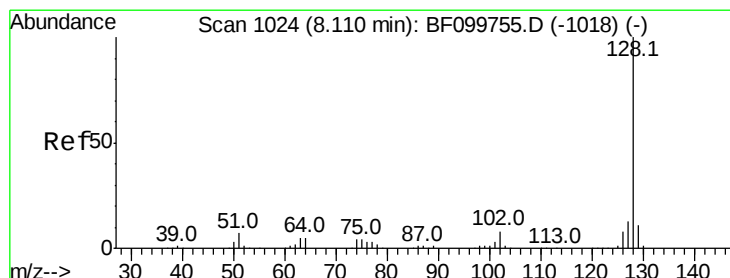
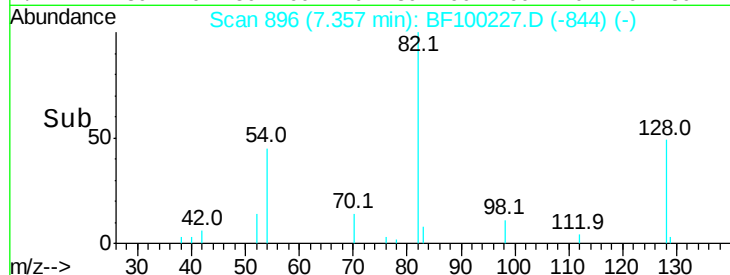
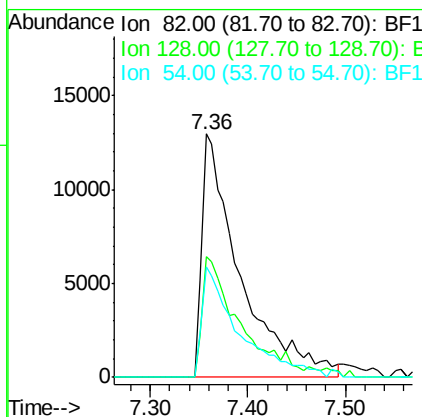
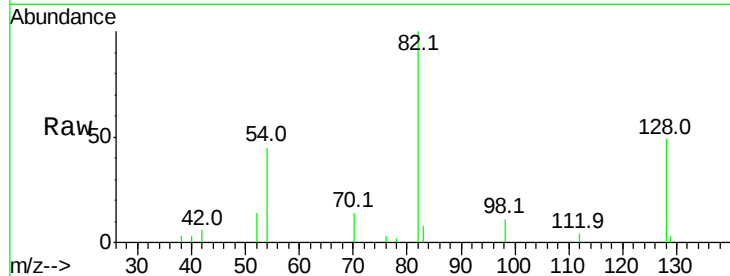
#23
Nitrobenzene-d5
Concen: 7.040 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Instrument :
BNA_F
ClientSampleId :
SU-03-110217

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.4	36.1	54.1
54	45.5	41.4	62.2

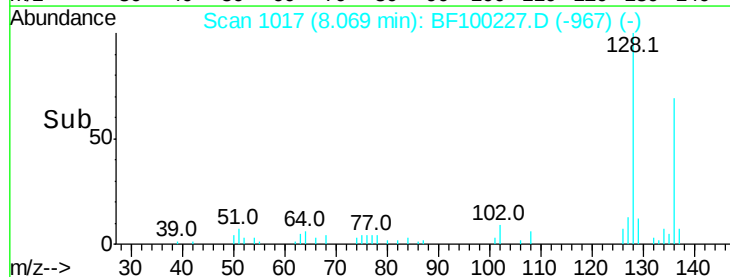
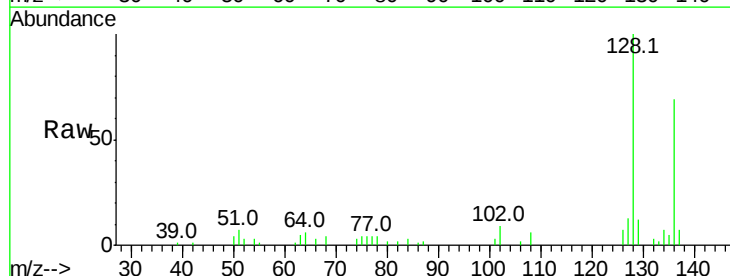
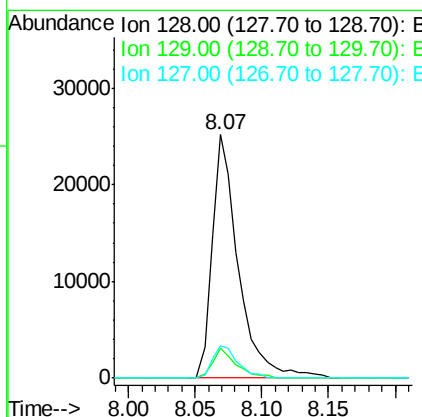
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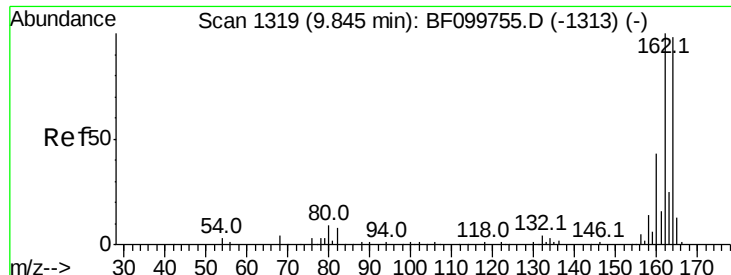
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#31
Naphthalene
Concen: 2.222 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.3	8.8	13.2
127	13.4	10.9	16.3





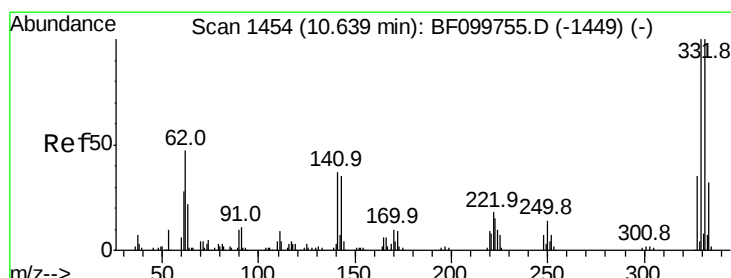
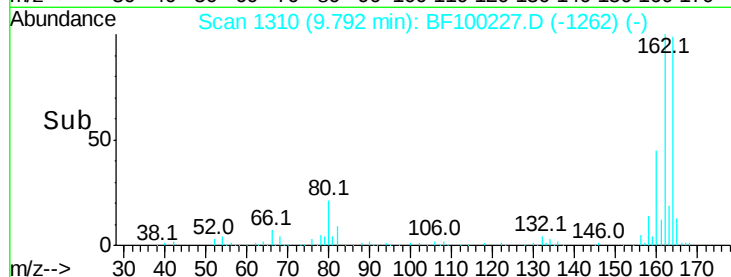
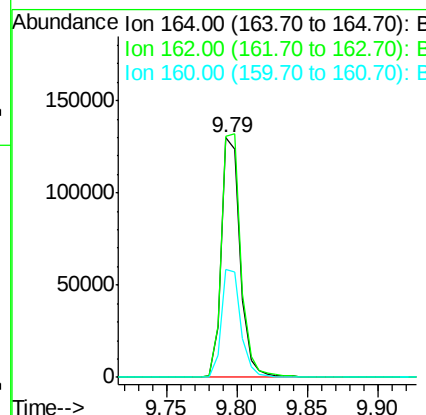
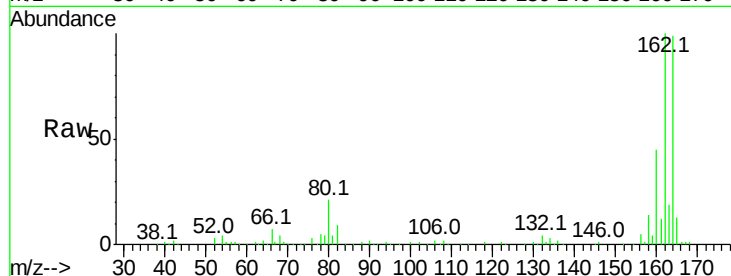
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Instrument :
BNA_F
ClientSampleId :
SU-03-110217

Tot Ion	Ratio	Resp	Lower	Upper
164	100	120821		
162	100.9	86.1	129.1	
160	45.0	38.3	57.5	

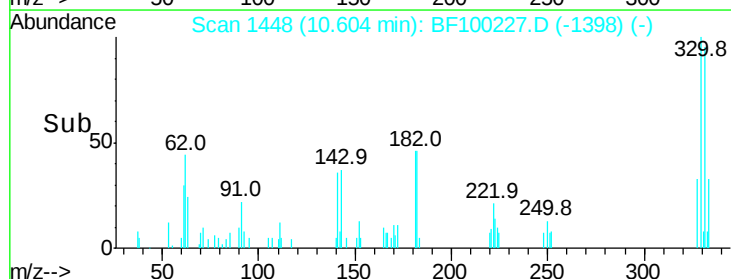
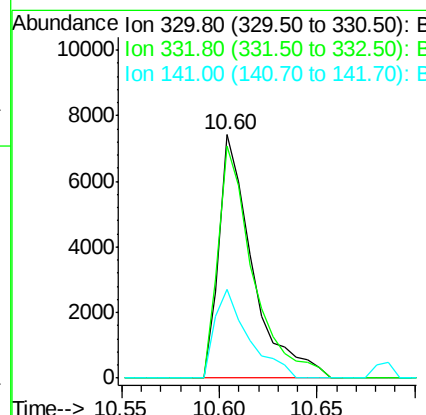
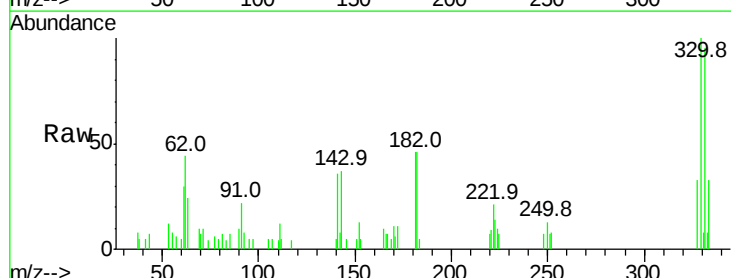
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#41
2,4,6-Tribromophenol
Concen: 8.085 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	8902		
332	98.7	77.0	115.6	
141	36.2	29.9	44.9	





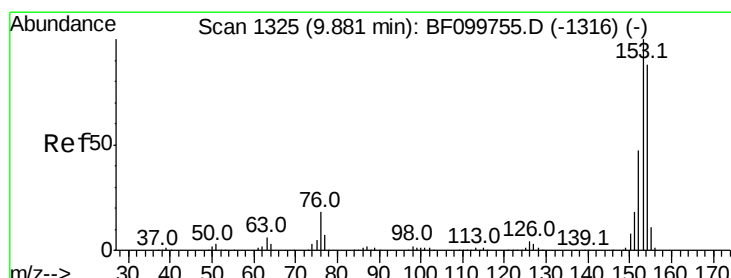
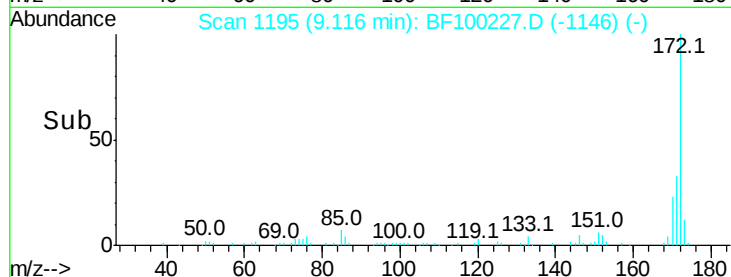
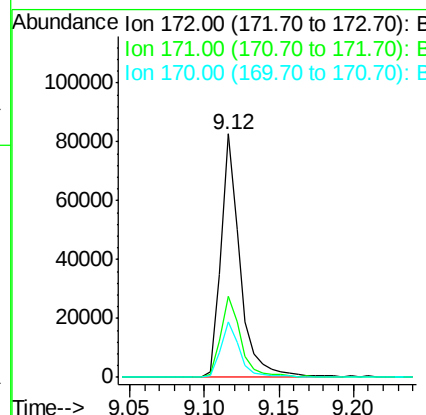
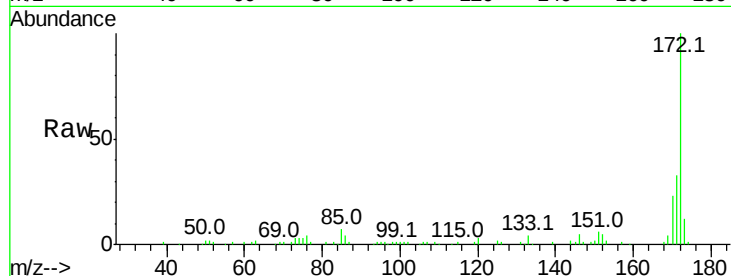
#44
2-Fluorobiphenyl
Concen: 9.475 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Instrument :
BNA_F
ClientSampled :
SU-03-110217

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.2	29.7	44.5
170	22.7	19.6	29.4

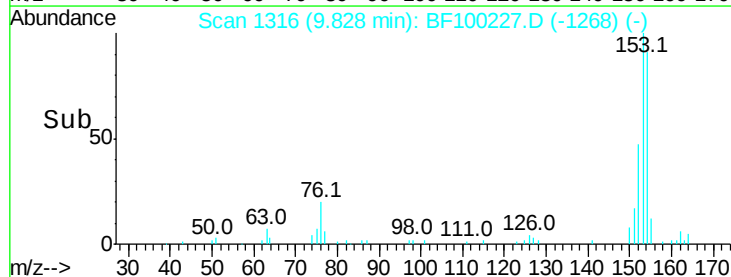
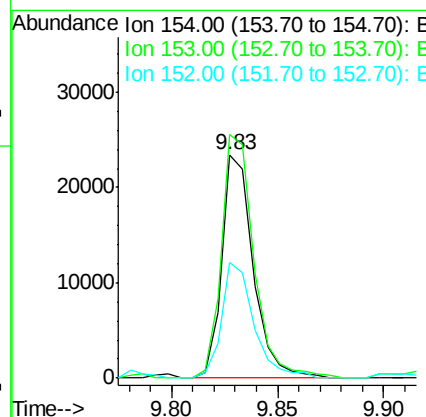
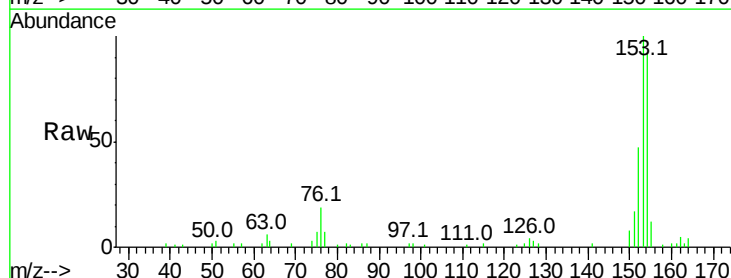
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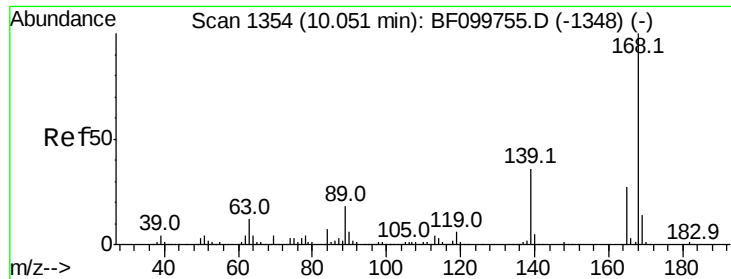
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#51
Acenaphthene
Concen: 3.244 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.9	91.2	136.8
152	51.7	43.8	65.8





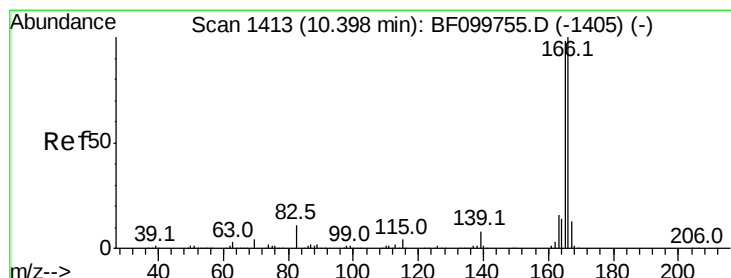
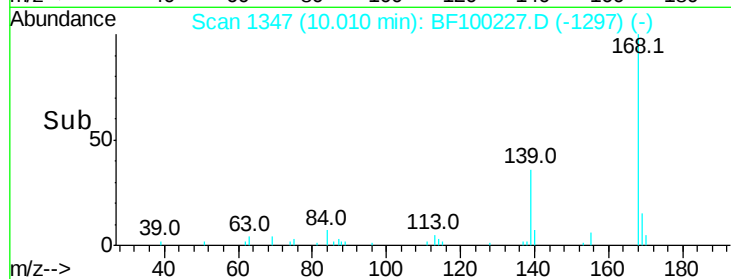
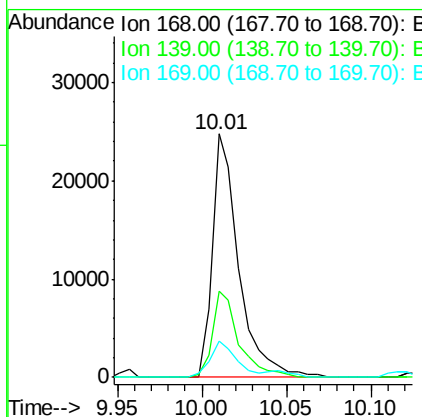
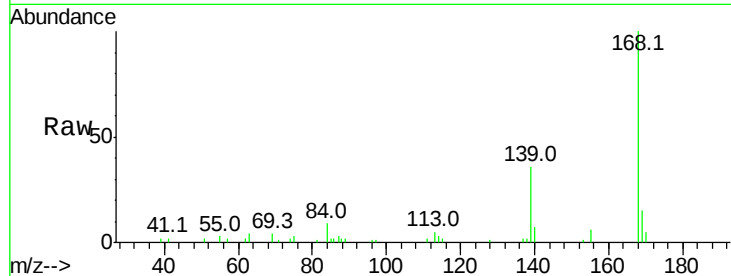
#54
Dibenzenofuran
Concen: 2.565 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Instrument :
BNA_F
ClientSampleId :
SU-03-110217

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.5	30.1	45.1
169	14.8	10.9	16.3

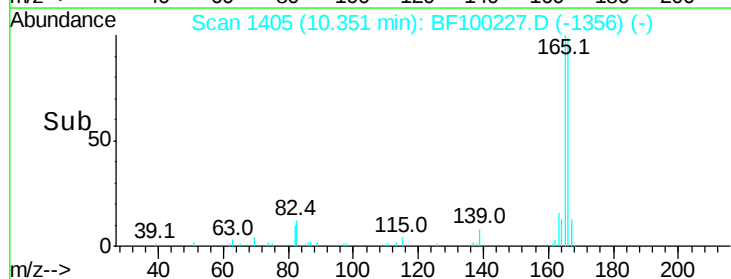
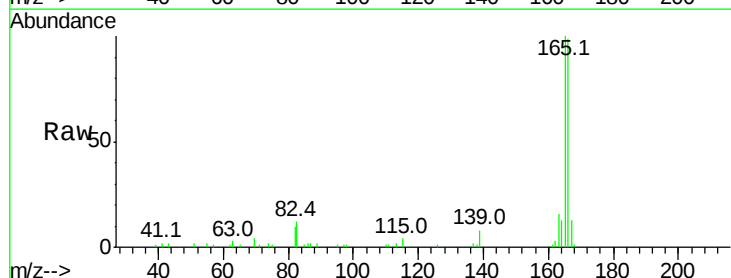
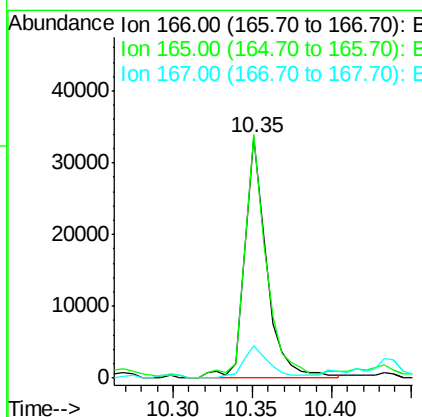
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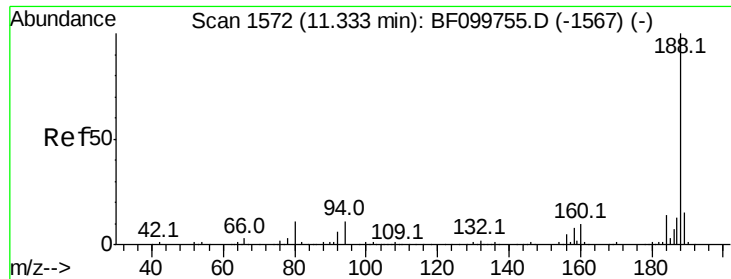
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#57
Fluorene
Concen: 3.705 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.1	79.8	119.8
167	13.5	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF100227.D

Acq: 5 Nov 2017 16:45

Instrument :

BNA_F

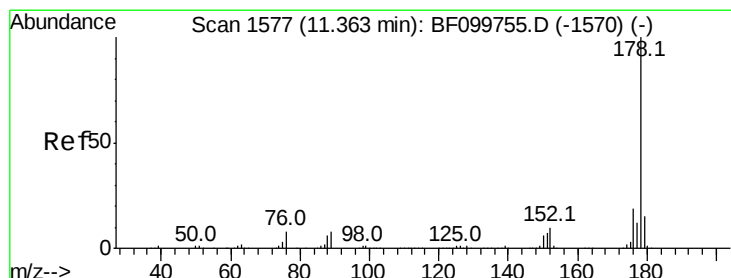
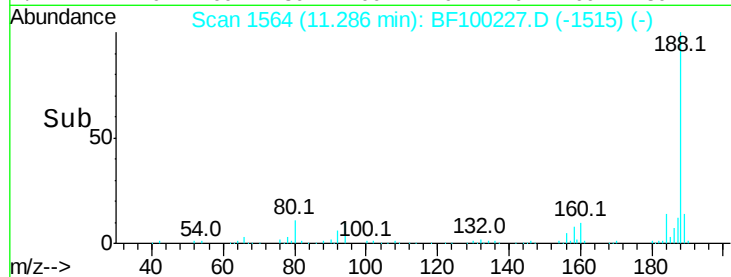
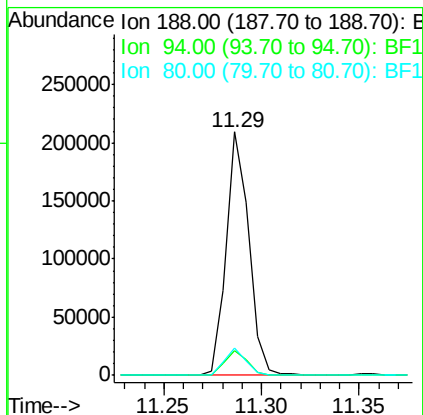
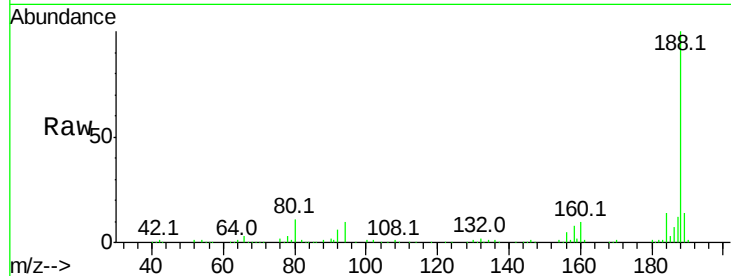
ClientSampleId :

SU-03-110217

Tot Ion:	188	Resp:	168694
Ion Ratio	Lower	Upper	
188	100		
94	10.4	8.5	12.7
80	11.4	9.2	13.8

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#70

Phenanthrene

Concen: 23.532 ng

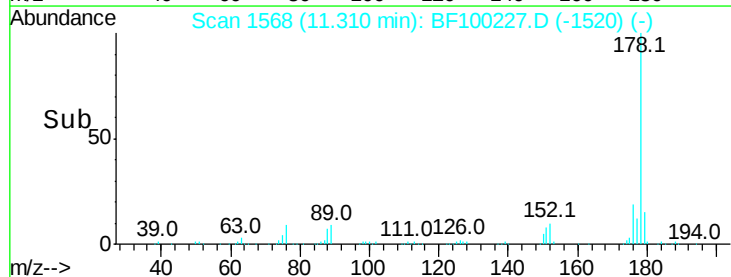
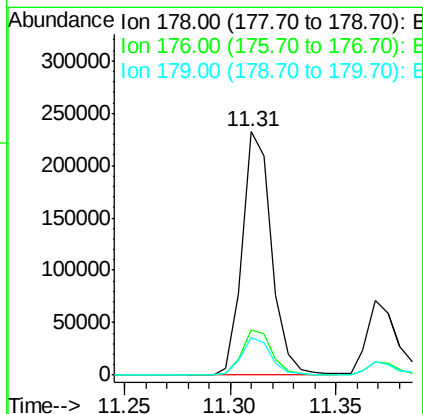
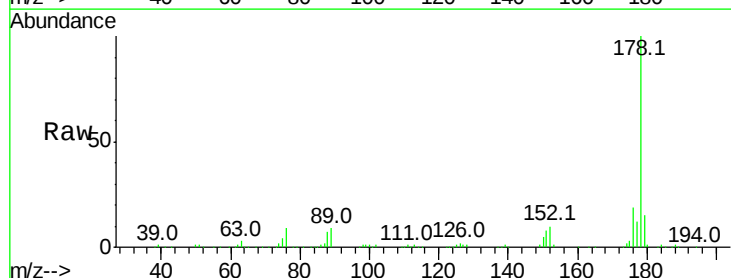
RT: 11.31 min Scan# 1568

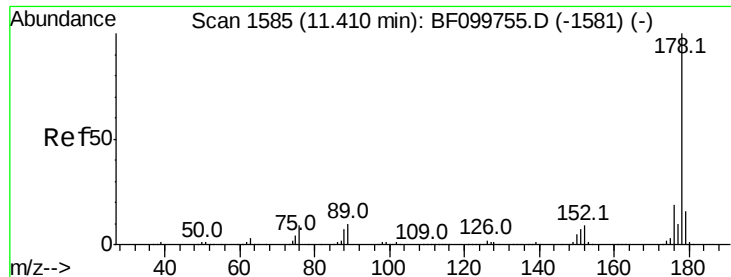
Delta R.T. -0.02 min

Lab File: BF100227.D

Acq: 5 Nov 2017 16:45

Tgt Ion:	178	Resp:	224034
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.8
179	15.3	13.0	19.6





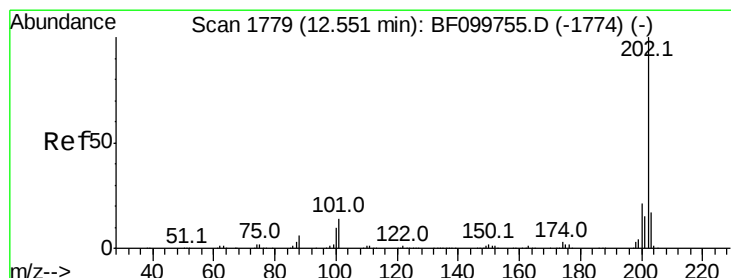
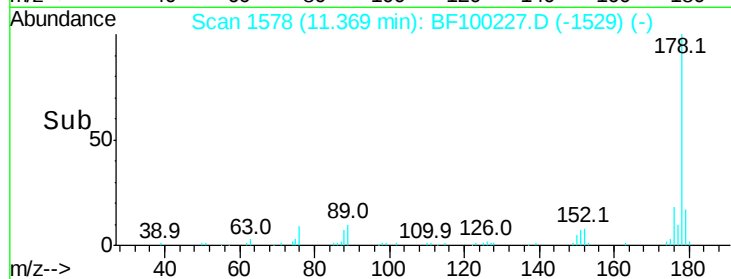
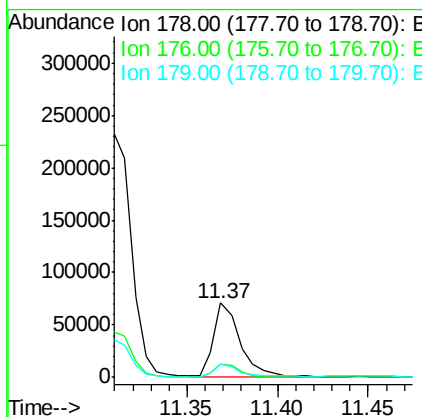
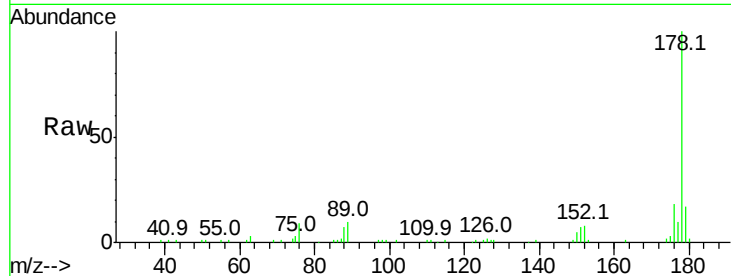
#71
 Anthracene
 Concen: 7.477 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF100227.D
 Acq: 5 Nov 2017 16:45

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-110217

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	17.3	12.6	19.0

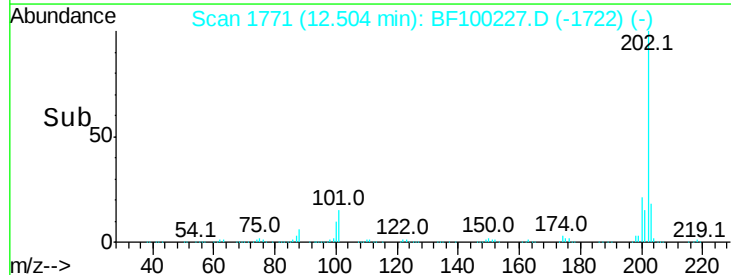
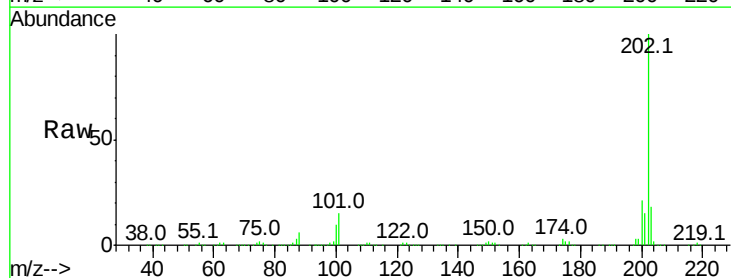
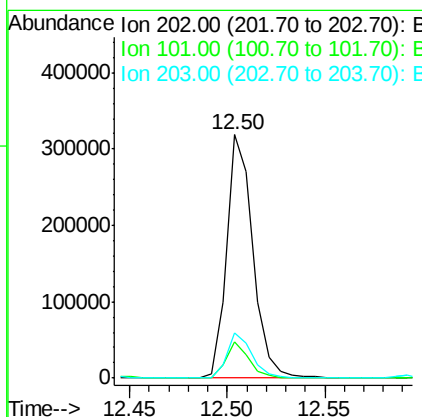
Manual Integrations
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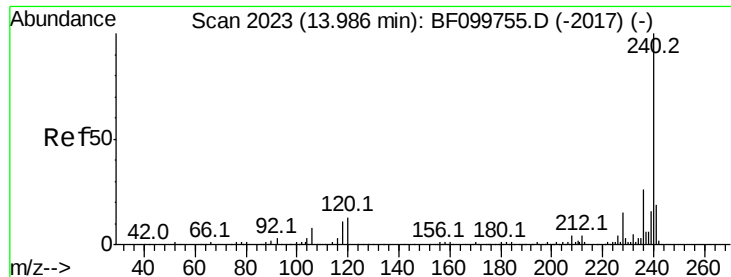
Sohil
 11/6/2017 2:33:28 PM



#74
 Fluoranthene
 Concen: 29.911 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF100227.D
 Acq: 5 Nov 2017 16:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	34.1
203	18.5	0.0	38.1





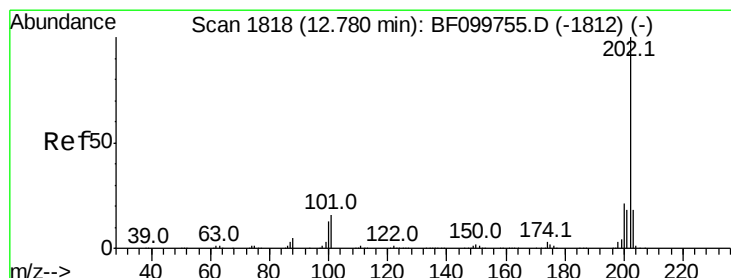
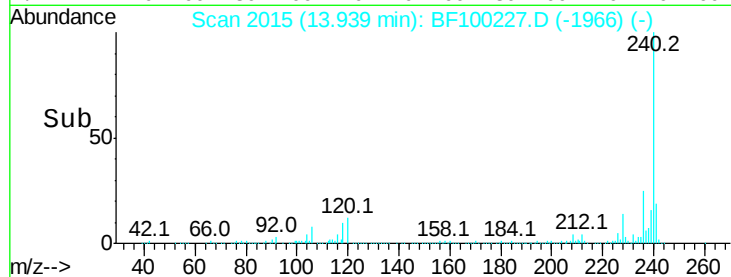
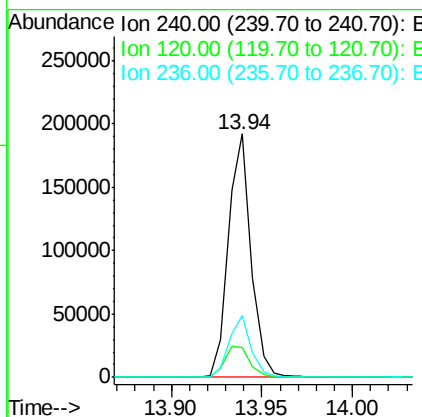
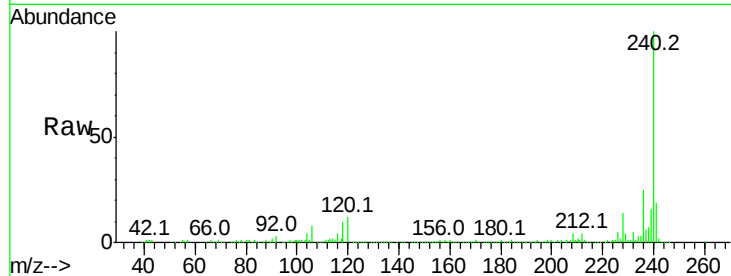
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Instrument :
BNA_F
ClientSampleId :
SU-03-110217

Tot Ion	Ratio	Resp	Lower	Upper
240	100	166855		
120	12.3	9.5	14.3	
236	25.2	20.7	31.1	

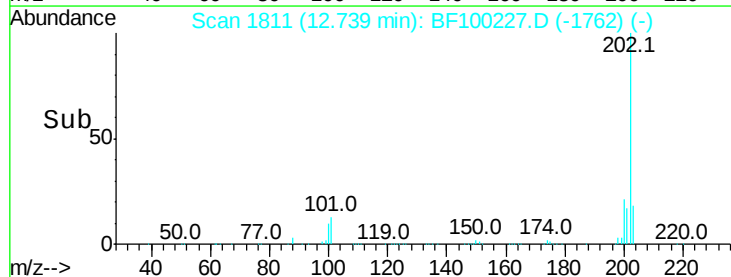
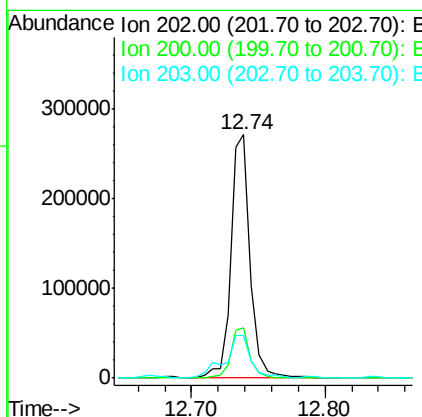
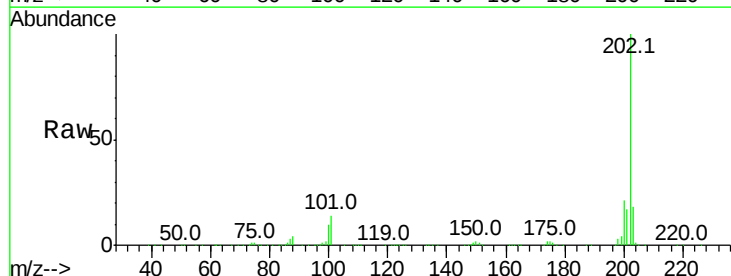
Manual Integrations
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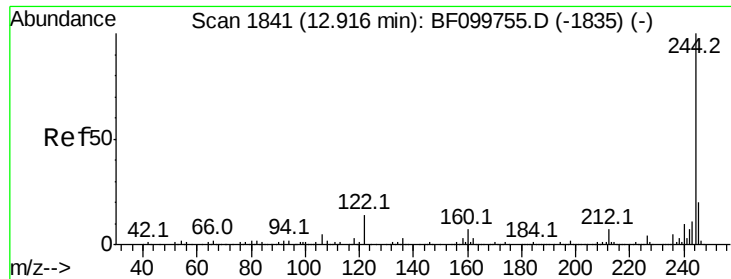
Sohil
11/6/2017 2:33:28 PM



#77
Pyrene
Concen: 21.281 ng
RT: 12.74 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	270005		
200	20.9	17.4	26.2	
203	17.8	14.3	21.5	





#78

Terphenyl-d14

Concen: 6.129 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF100227.D

Acq: 5 Nov 2017 16:45

Instrument :

BNA_F

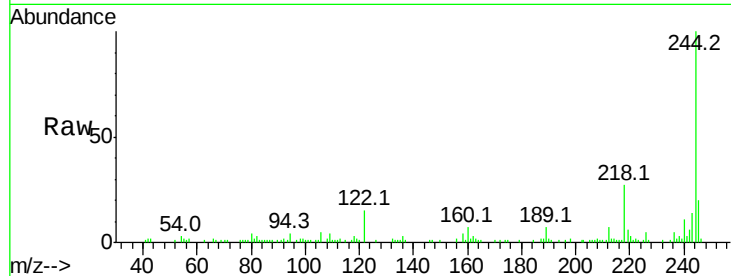
ClientSampleId :

SU-03-110217

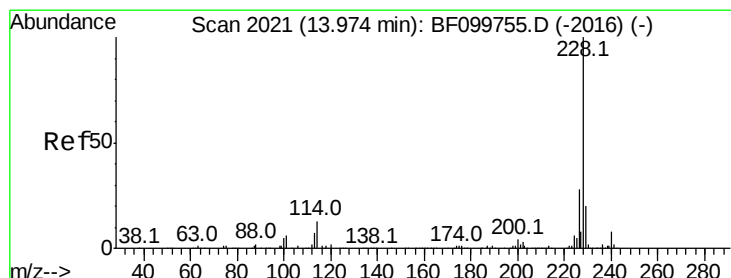
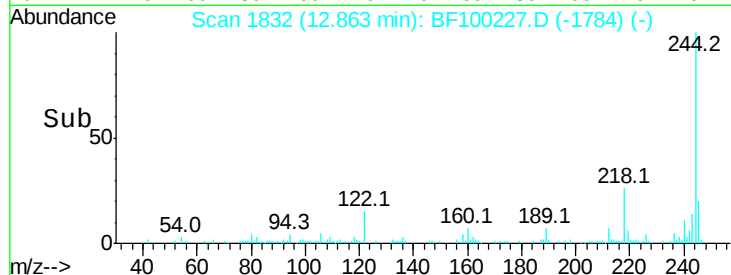
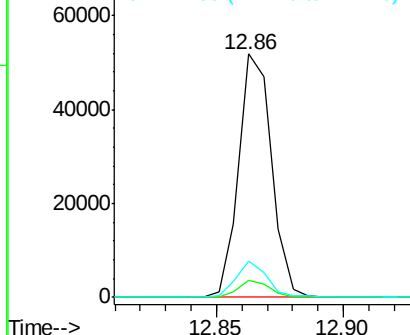
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	15.0	11.0	16.4

Manual Integrations
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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: 13.947 ng

RT: 13.93 min Scan# 2013

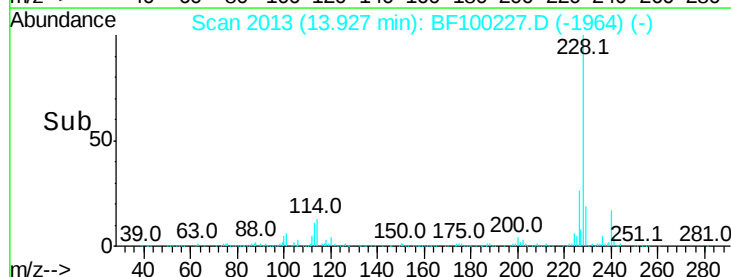
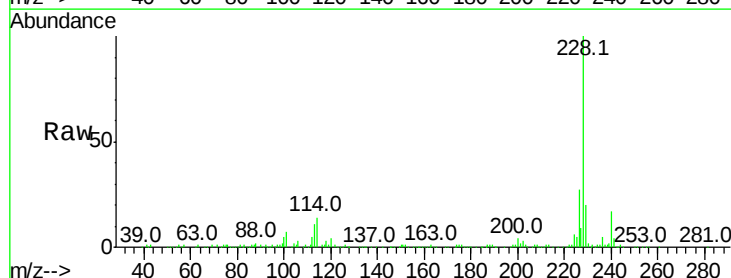
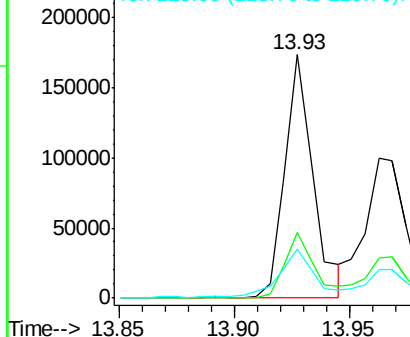
Delta R.T. -0.01 min

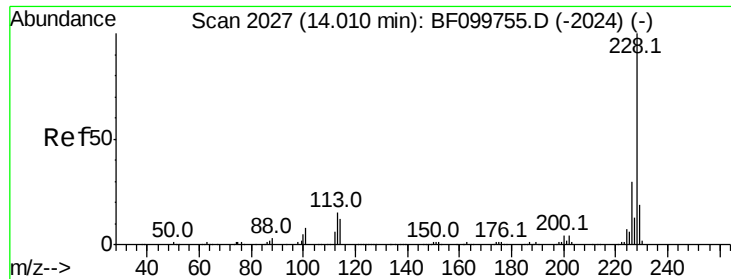
Lab File: BF100227.D

Acq: 5 Nov 2017 16:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	20.2	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 12.112 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF100227.D

Acq: 5 Nov 2017 16:45

Instrument :

BNA_F

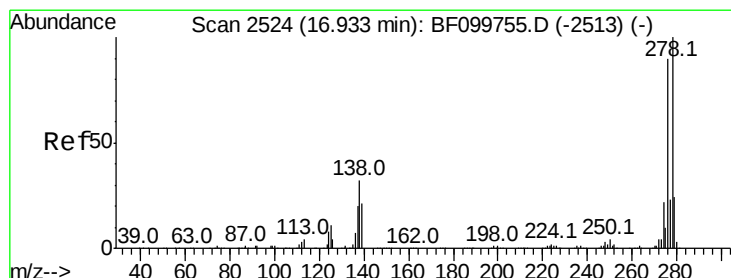
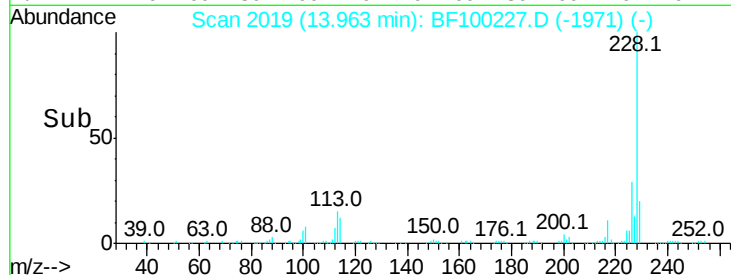
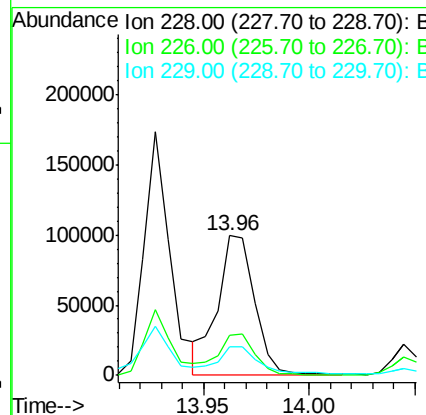
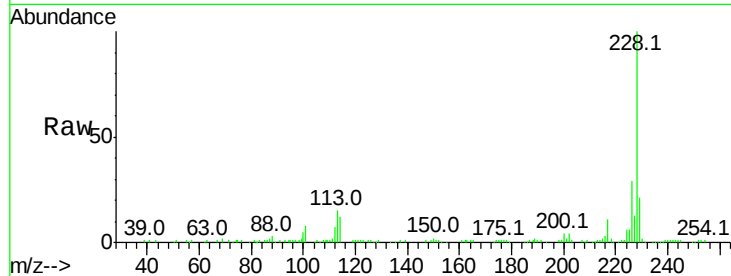
ClientSampleId :

SU-03-110217

Tot Ion:	228	Resp:	120442
Ion Ratio	Lower	Upper	
228	100		
226	29.0	25.0	37.6
229	20.8	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.987 ng

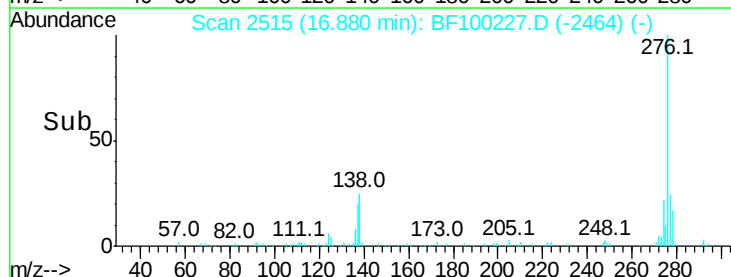
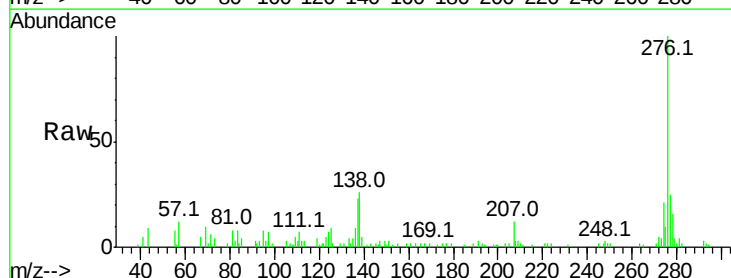
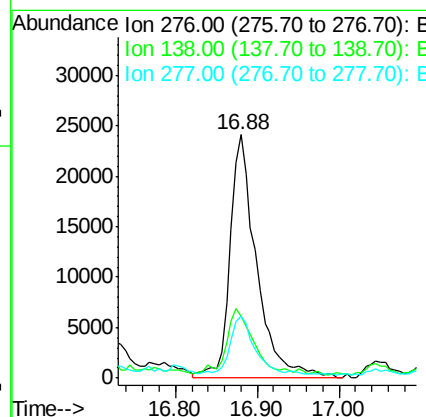
RT: 16.88 min Scan# 2515

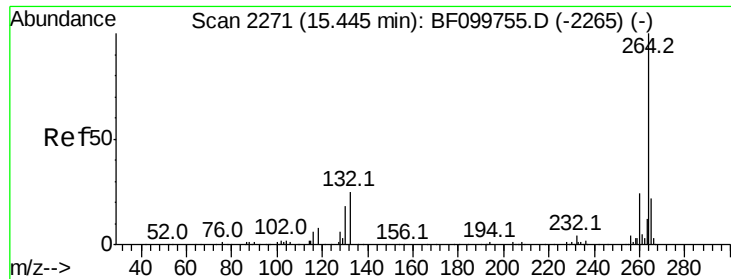
Delta R.T. 0.00 min

Lab File: BF100227.D

Acq: 5 Nov 2017 16:45

Tgt Ion:	276	Resp:	54659
Ion Ratio	Lower	Upper	
276	100		
138	27.3	25.0	37.6
277	20.8	20.1	30.1





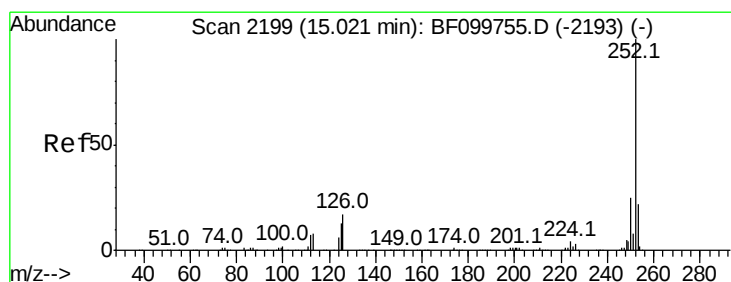
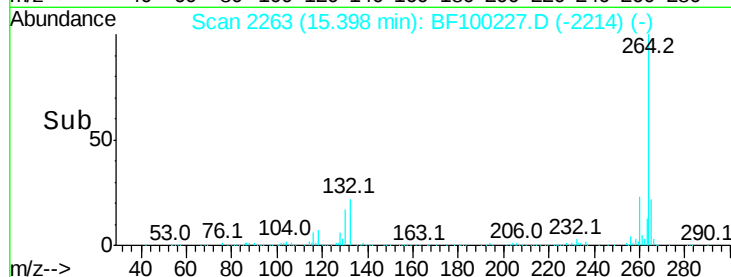
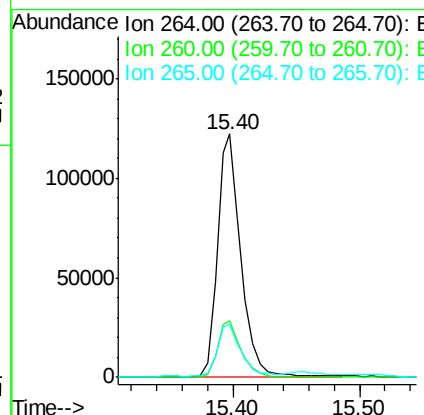
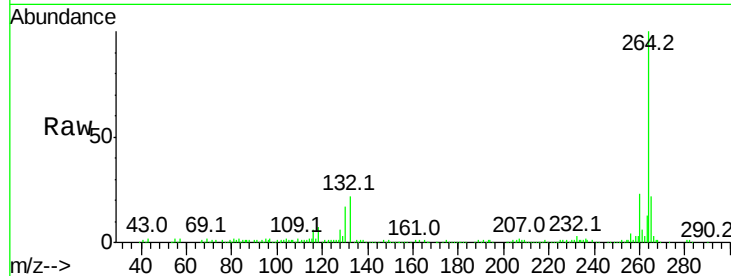
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Instrument :
BNA_F
ClientSampleId :
SU-03-110217

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	17.5	26.3

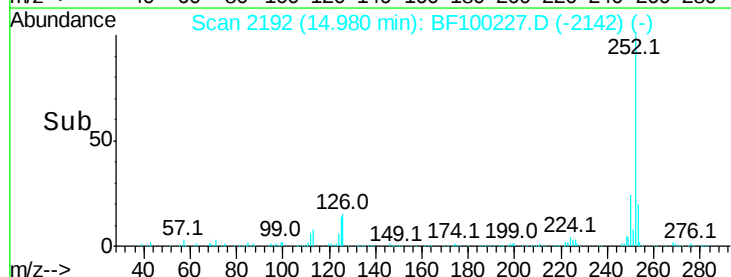
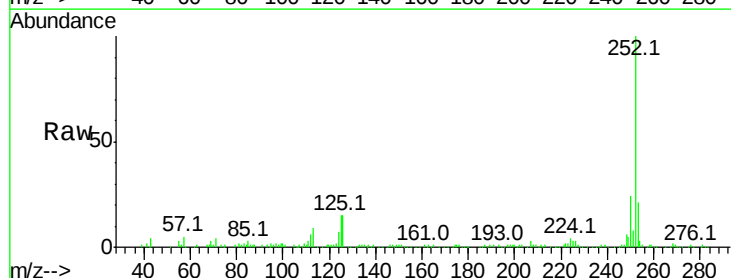
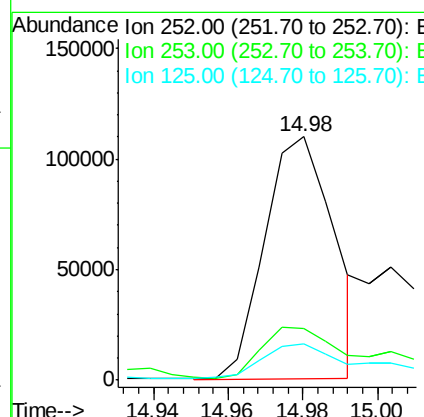
Manual Integrations
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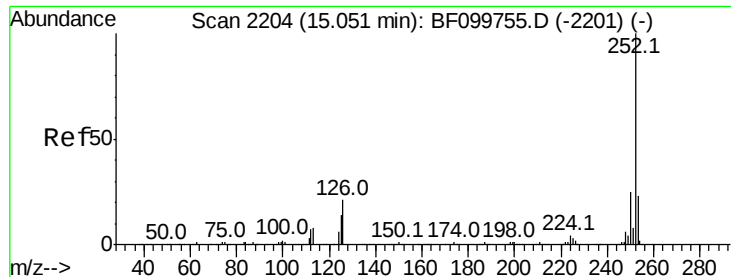
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#87
Benzo(b)fluoranthene
Concen: 14.121 ng m
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	15.1	9.0	13.6#





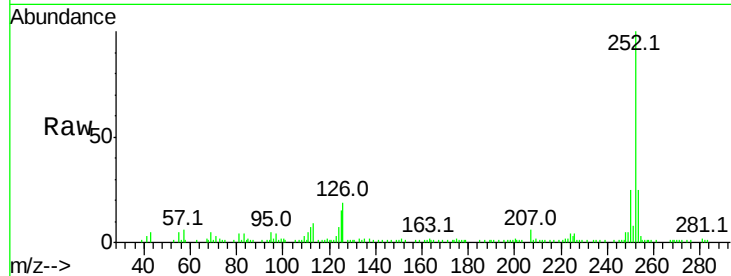
#88
Benzo(k)fluoranthene
Concen: 6.346 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

Instrument :
BNA_F
ClientSampleId :
SU-03-110217

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	15.1	10.2	15.2

Manual Integrations
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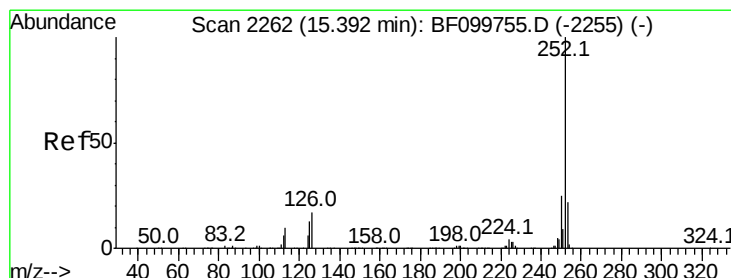
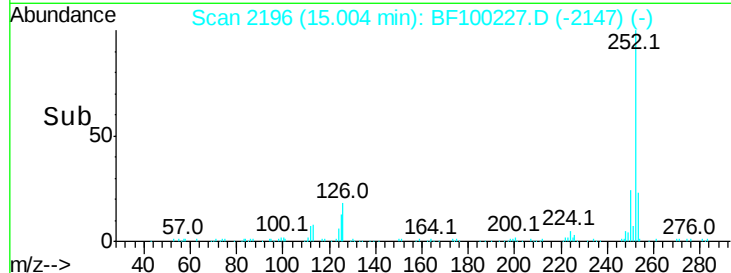
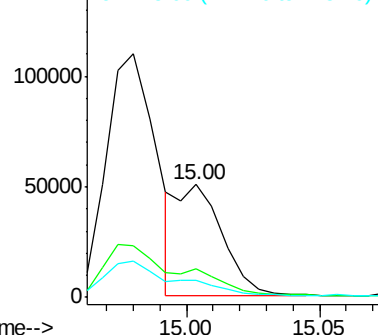


Abundance

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: 12.622 ng
RT: 15.34 min Scan# 2253
Delta R.T. -0.01 min
Lab File: BF100227.D
Acq: 5 Nov 2017 16:45

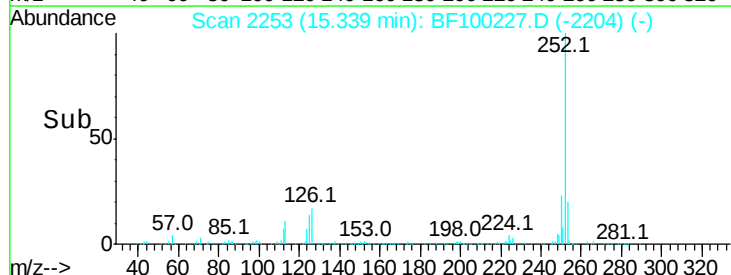
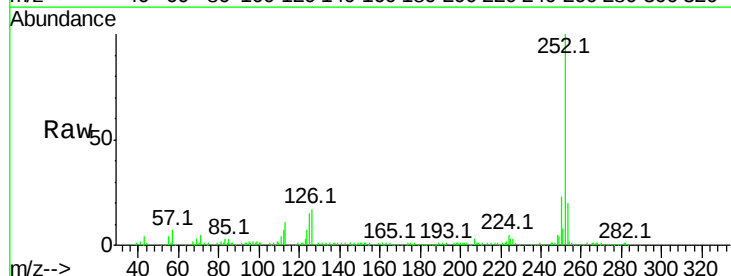
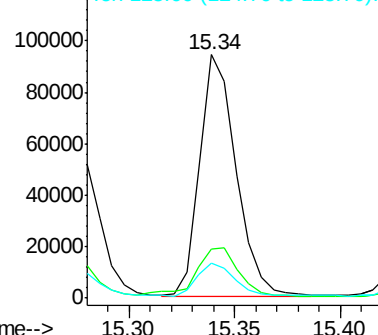
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.1	25.7
125	14.5	9.8	14.6

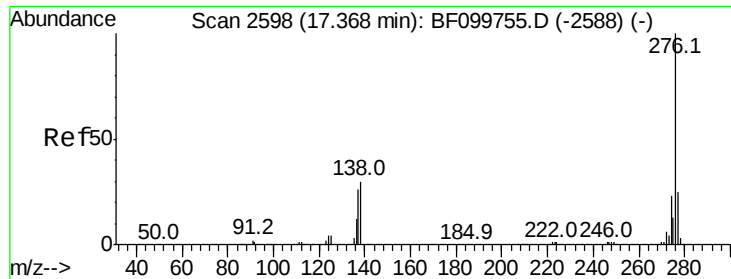
Abundance

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





#91
 Benzo(a,h,i)perylene
 Concen: 5.877 ng
 RT: 17.33 min Scan# 2591
 Delta R.T. 0.01 min
 Lab File: BF100227.D
 Acq: 5 Nov 2017 16:45

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-110217

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	17.9	26.9#
138	31.5	21.8	32.8

Manual Integrations
 APPROVED

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