

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101103.D
 Acq On : 4 Dec 2017 17:35
 Operator : SJ/JU
 Sample : I6697-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-01A

Manual Integrations
 APPROVED

Sohil
 12/5/2017 3:24:33 PM

Quant Time: Dec 05 00:42:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	46454	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	172714	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	72173	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	114197	20.00	ng	0.00
75) Chrysene-d12	14.02	240	117908	20.00	ng	0.00
86) Perylene-d12	15.50	264	104420	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	141221	50.23	ng	0.00
7) Phenol-d6	6.48	99	164799	48.28	ng	0.00
23) Nitrobenzene-d5	7.41	82	97755	33.76	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	33225	38.32	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	185258	35.12	ng	0.00
78) Terphenyl-d14	12.96	244	139005	25.79	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.15	128	25415	2.99	ng	97
49) Dimethylphthalate	9.60	163	17509	3.01	ng	99
51) Acenaphthene	9.92	154	14899	3.22	ng	98
54) Dibenzofuran	10.09	168	18408	2.76	ng	97
57) Fluorene	10.43	166	18581	3.43	ng	99
70) Phenanthrene	11.40	178	162923	25.91	ng	99
71) Anthracene	11.45	178	43811	6.88	ng	98
72) Carbazole	11.60	167	15236	2.62	ng	97
74) Fluoranthene	12.59	202	155592	22.32	ng	93
77) Pyrene	12.82	202	137627	16.92	ng	99
80) Benzo(a)anthracene	14.01	228	81752	10.98	ng	99
82) Chrysene	14.05	228	69228	10.01	ng	95
85) Indeno(1,2,3-cd)pyrene	16.98	276	20506	3.34	ng	92
87) Benzo(b)fluoranthene	15.06	252	71624m	11.45	ng	
88) Benzo(k)fluoranthene	15.08	252	25760m	4.18	ng	
89) Benzo(a)pyrene	15.43	252	49149	8.64	ng	98
91) Benzo(a,h,i)perylene	17.43	276	19518	4.13	ng	92

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

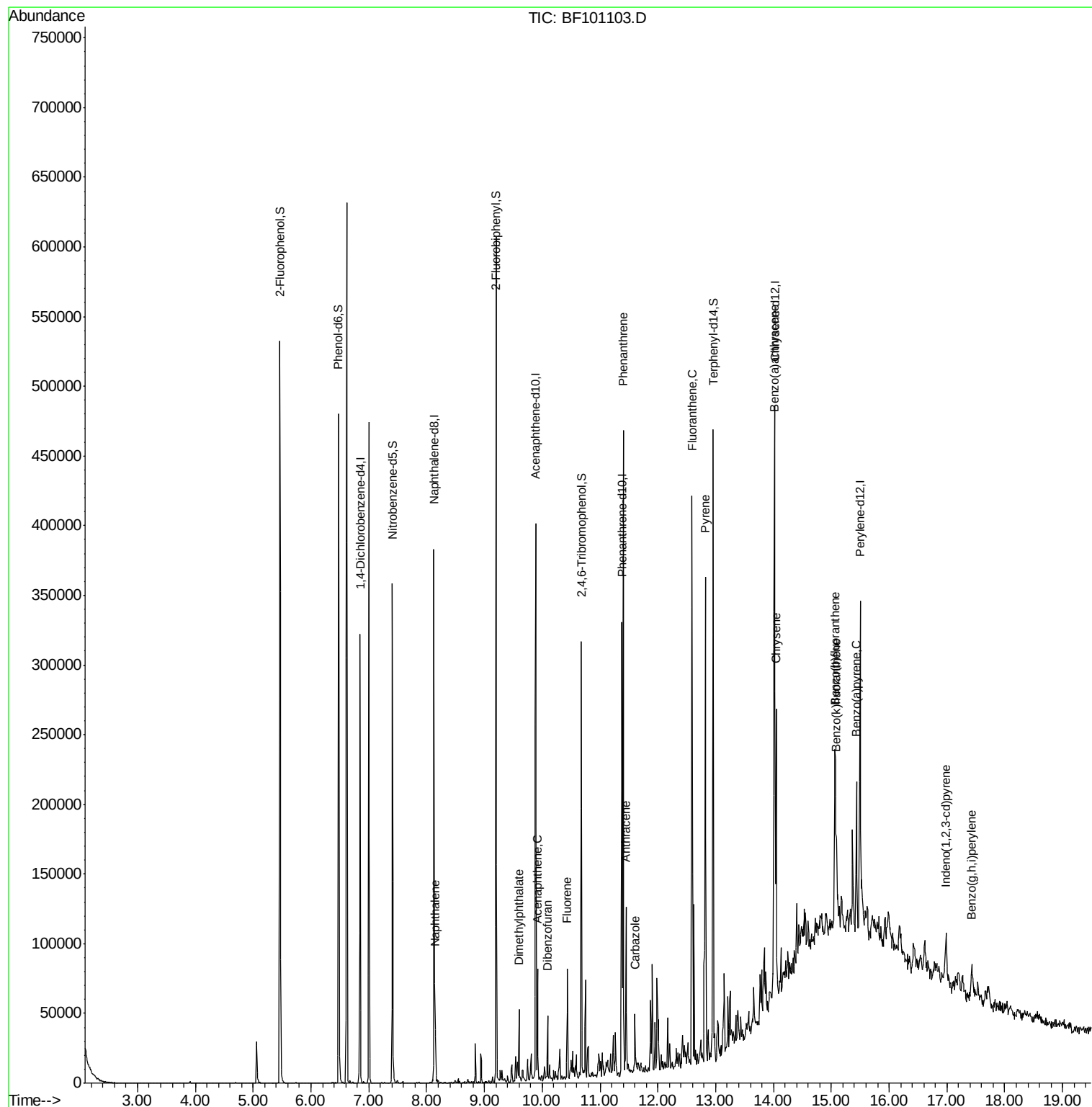
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
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ALS Vial : 19 Sample Multiplier: 1

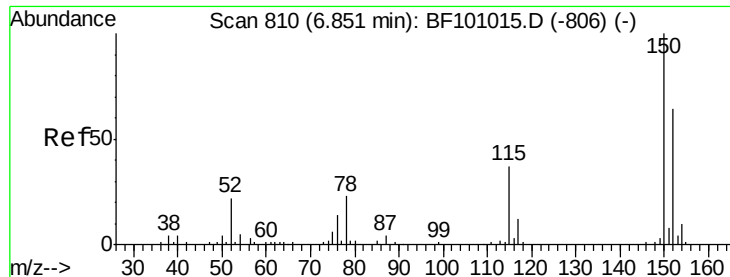
Instrument :
BNA_F
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TP-01A

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
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#1

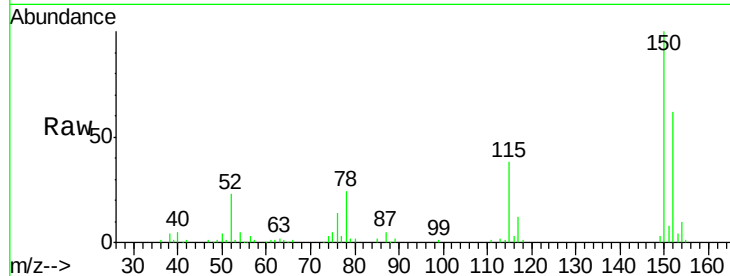
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101103.D
Acq: 4 Dec 2017 17:35

Instrument :
BNA_F
ClientSampled :
TP-01A

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	60.9	50.1	75.1

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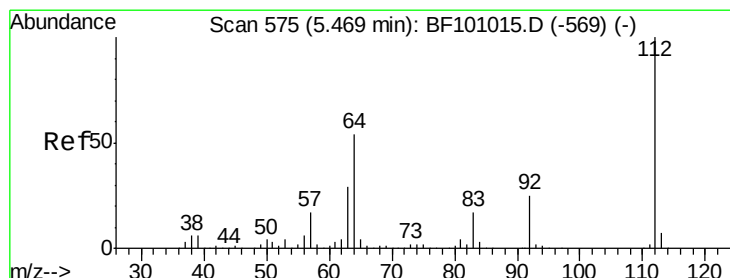
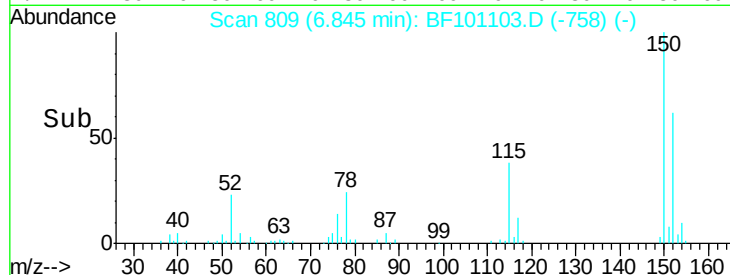
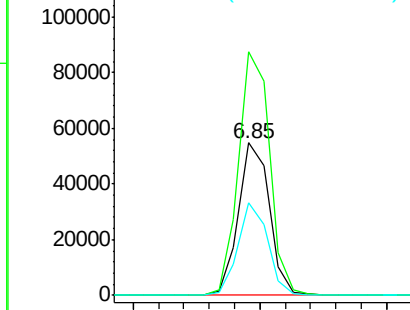


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

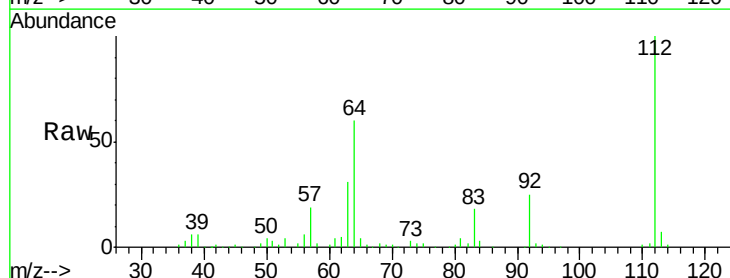
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.23 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF101103.D
Acq: 4 Dec 2017 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	31.1	23.7	35.5

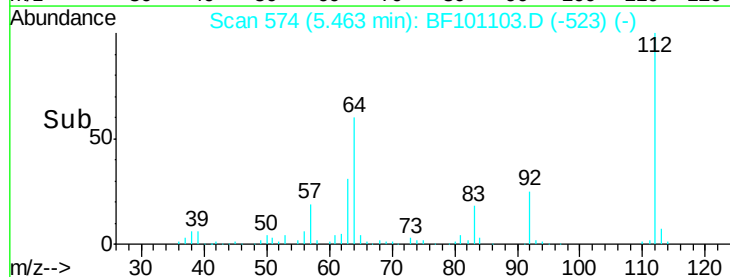
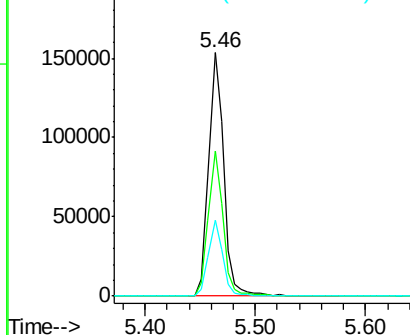


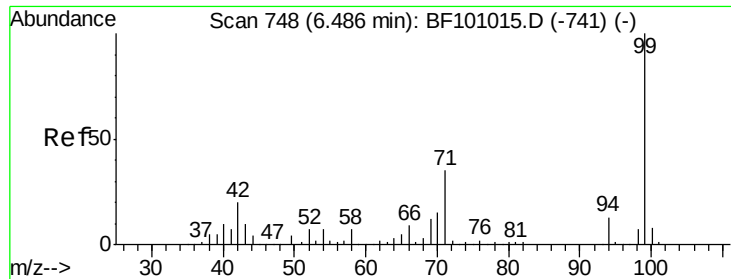
Abundance

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: 48.28 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Instrument :

BNA_F

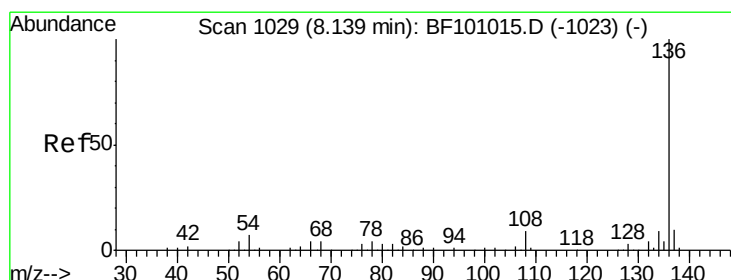
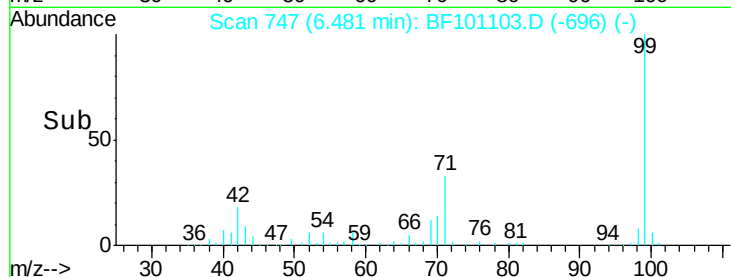
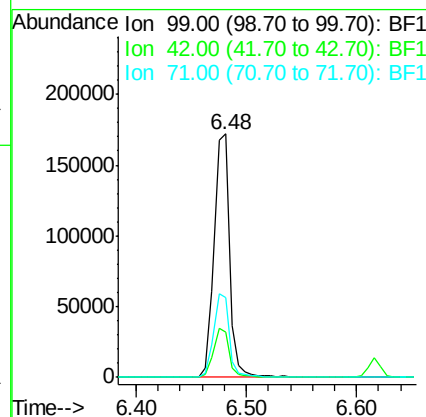
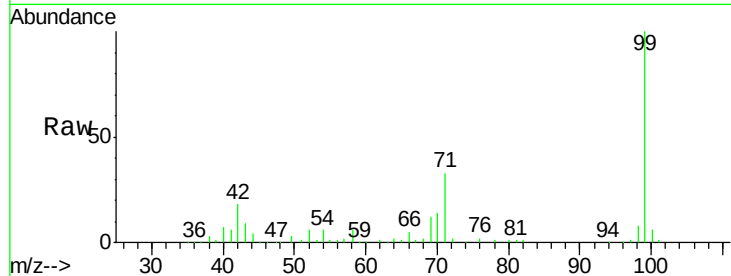
ClientSampled :

TP-01A

Tot Ion:	99	Resp:	164799
Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.5	21.7
71	32.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.00 ng

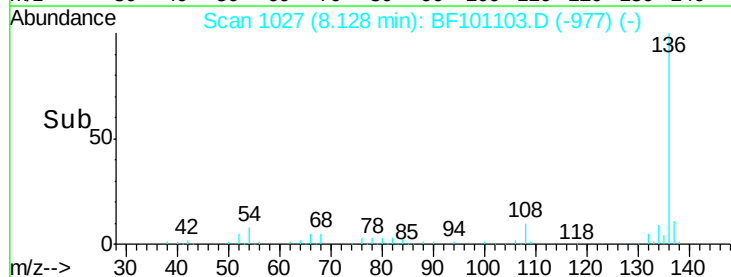
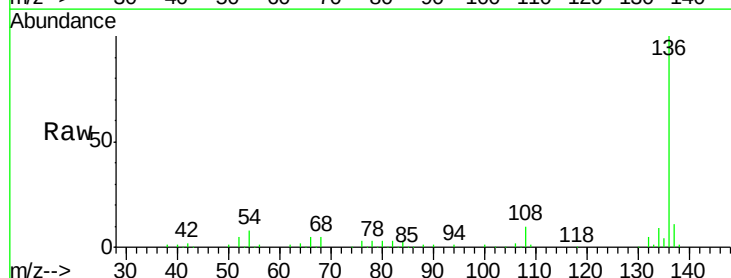
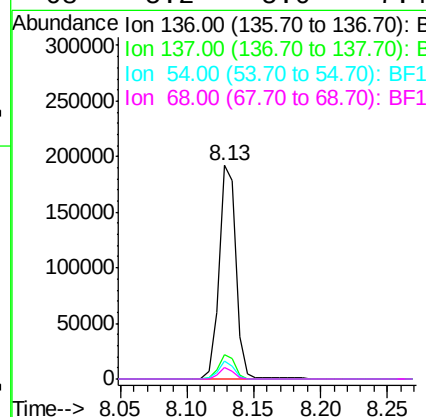
RT: 8.13 min Scan# 1027

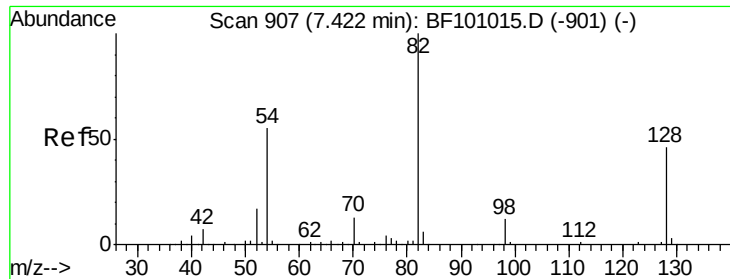
Delta R.T. -0.01 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Tgt Ion:	136	Resp:	172714
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.1	6.6	9.8
68	5.2	5.0	7.4





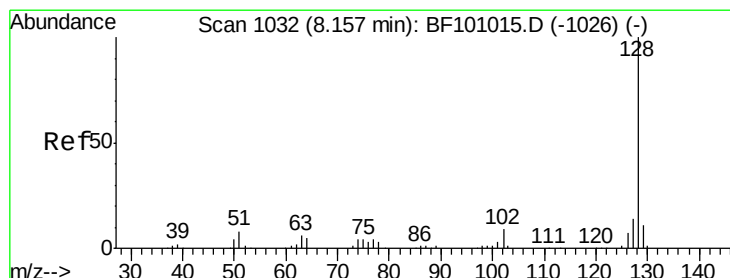
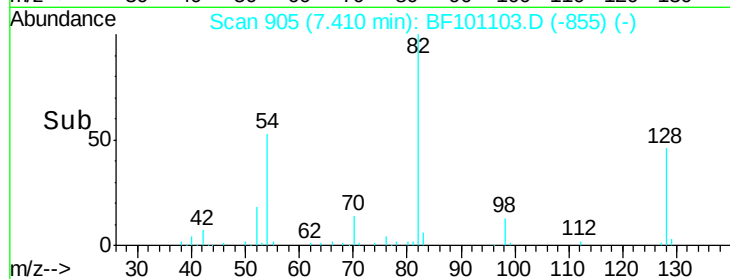
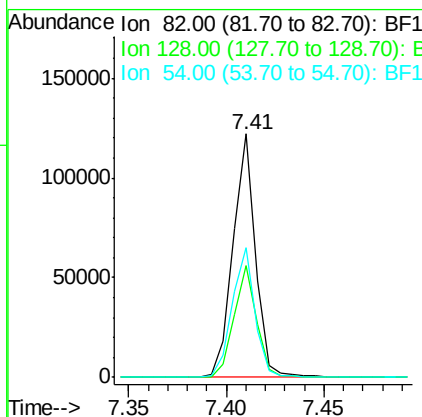
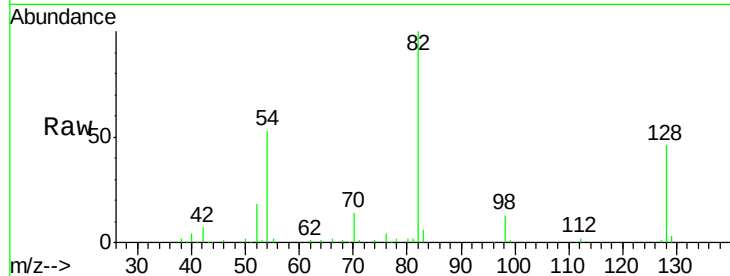
#23
 Nitrobenzene-d5
 Concen: 33.76 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101103.D
 Acq: 4 Dec 2017 17:35

Instrument :
 BNA_F
 ClientSampled :
 TP-01A

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	53.0	41.4	62.2

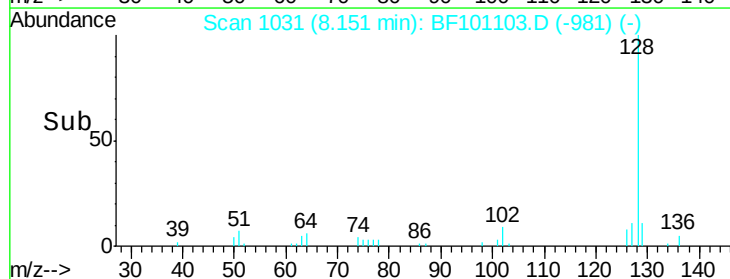
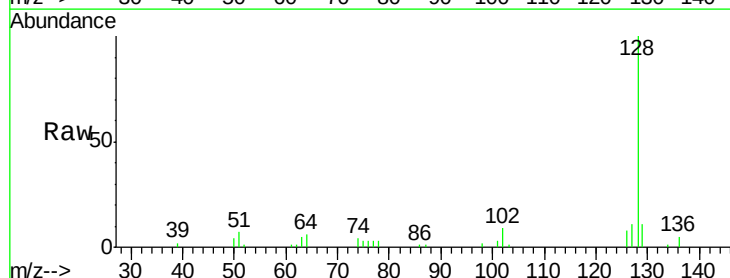
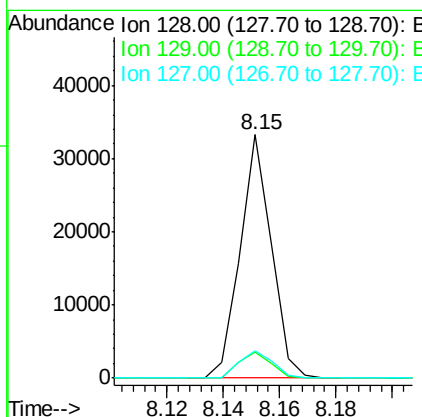
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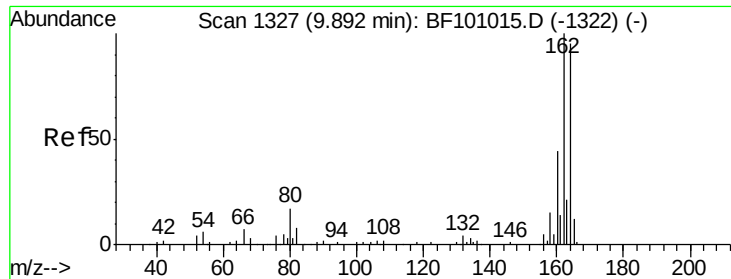
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#31
 Naphthalene
 Concen: 2.99 ng
 RT: 8.15 min Scan# 1031
 Delta R.T. -0.01 min
 Lab File: BF101103.D
 Acq: 4 Dec 2017 17:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	11.1	10.9	16.3





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Instrument :

BNA_F

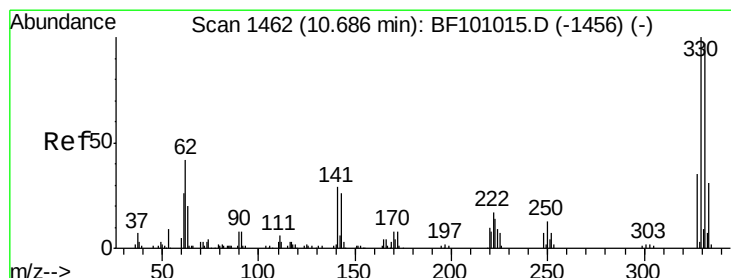
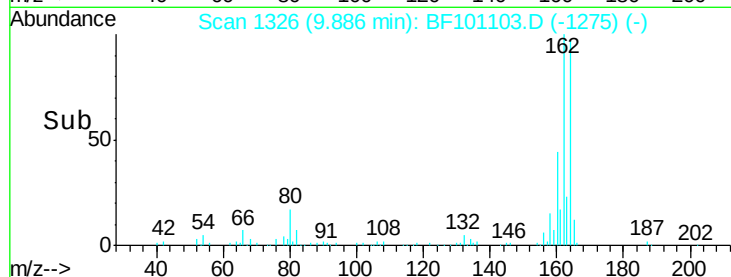
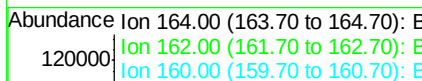
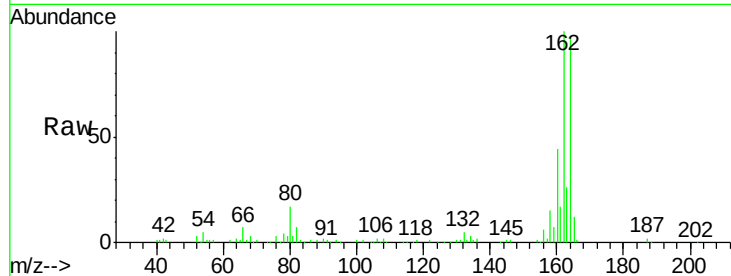
ClientSampleId :

TP-01A

Tot Ion:	164	Resp:	72173
Ion Ratio	Lower	Upper	
164	100		
162	102.8	86.1	129.1
160	44.9	38.3	57.5

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 38.32 ng

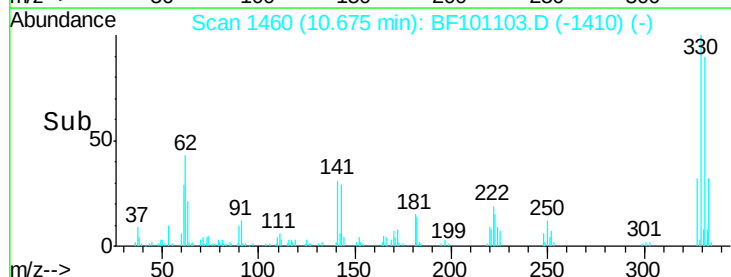
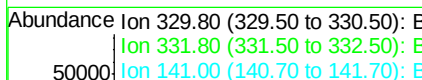
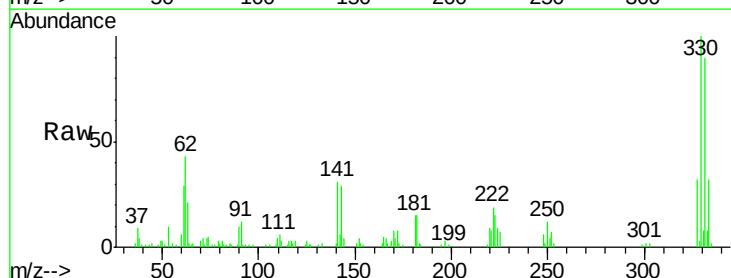
RT: 10.67 min Scan# 1460

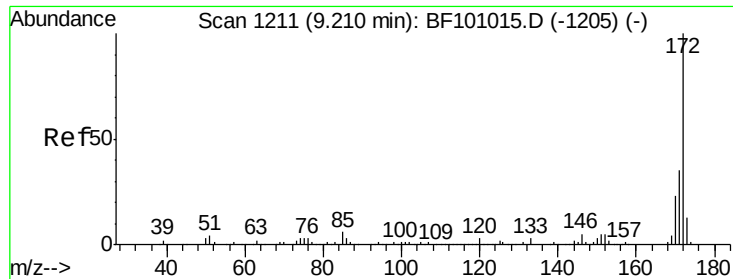
Delta R.T. -0.01 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Tgt Ion:	330	Resp:	33225
Ion Ratio	Lower	Upper	
330	100		
332	93.2	77.0	115.6
141	31.6	29.9	44.9





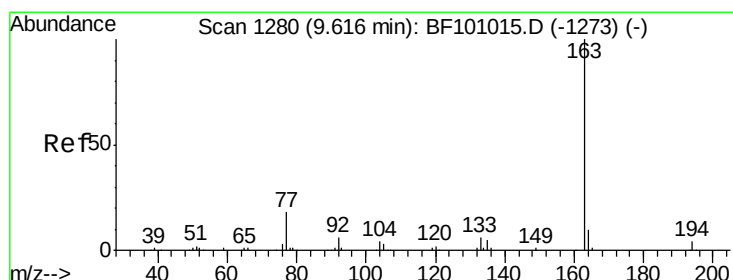
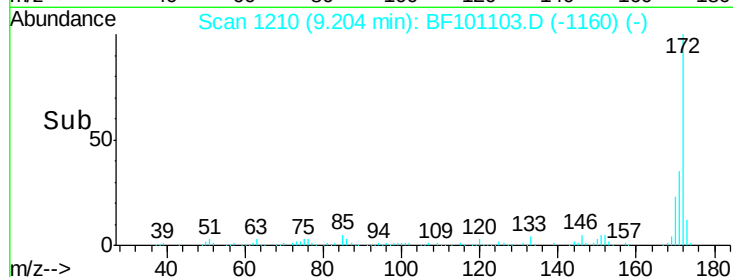
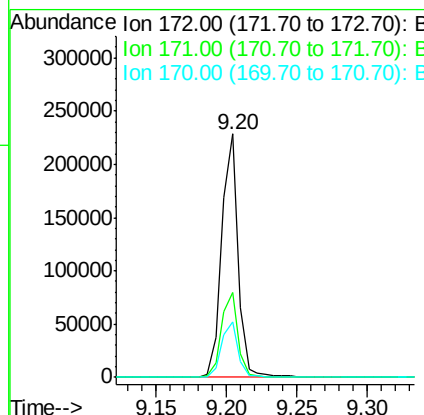
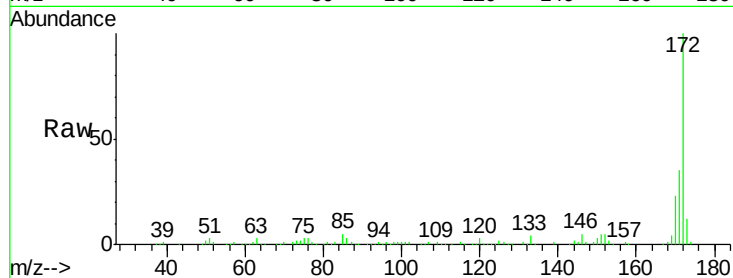
#44
2-Fluorobiphenyl
Concen: 35.12 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101103.D
Acq: 4 Dec 2017 17:35

Instrument :
BNA_F
ClientSampleId :
TP-01A

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.0	19.6	29.4

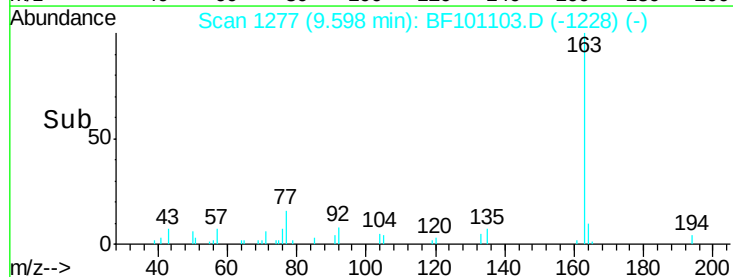
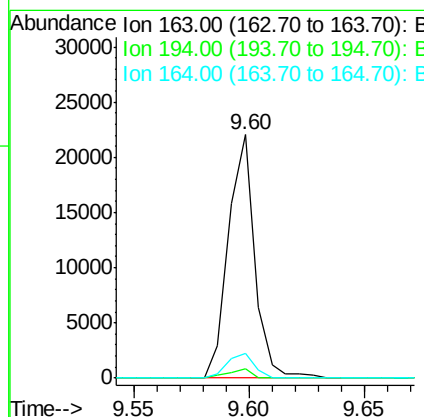
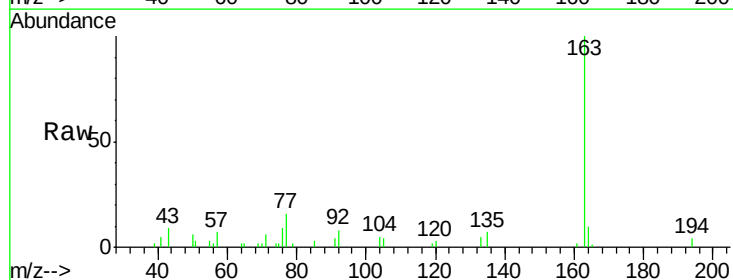
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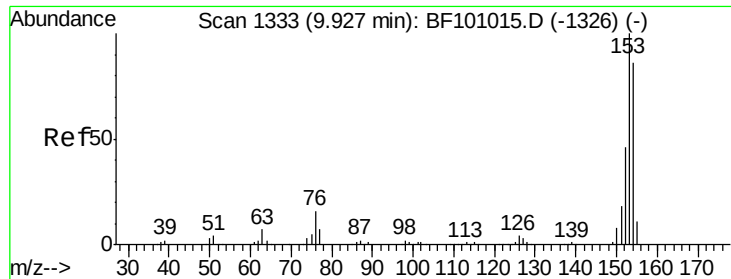
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#49
Dimethylphthalate
Concen: 3.01 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101103.D
Acq: 4 Dec 2017 17:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.4	8.2	12.2





#51

Acenaphthene

Concen: 3.22 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Instrument :

BNA_F

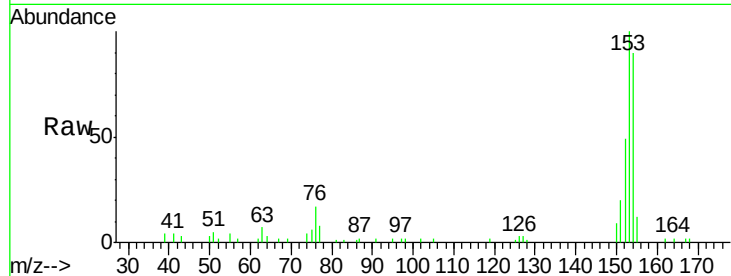
ClientSampled :

TP-01A

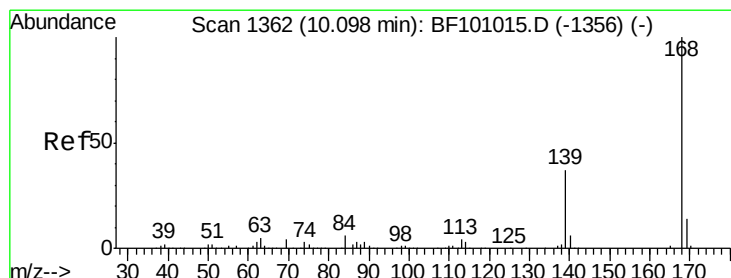
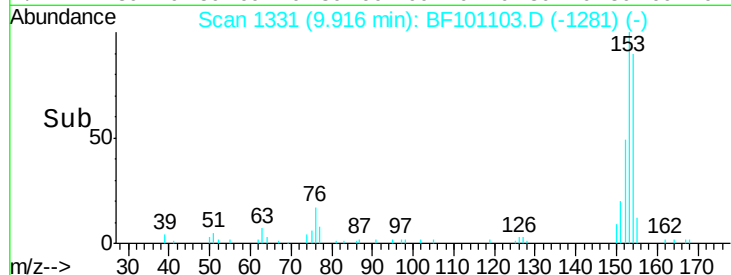
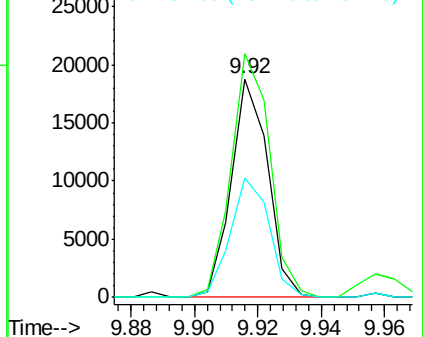
Tot Ion:	154	Resp:	14899
Ion Ratio	Lower	Upper	
154	100		
153	111.6	91.2	136.8
152	54.9	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.76 ng

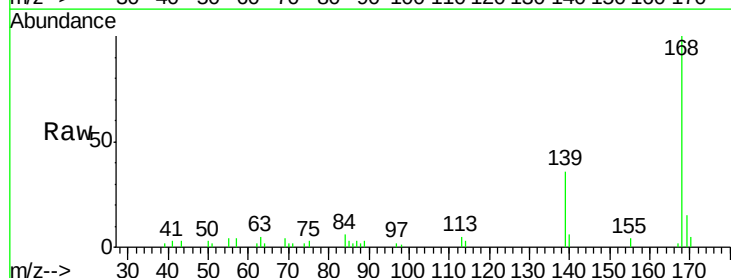
RT: 10.09 min Scan# 1361

Delta R.T. 0.00 min

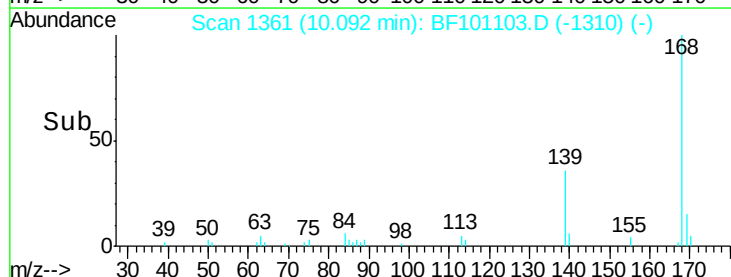
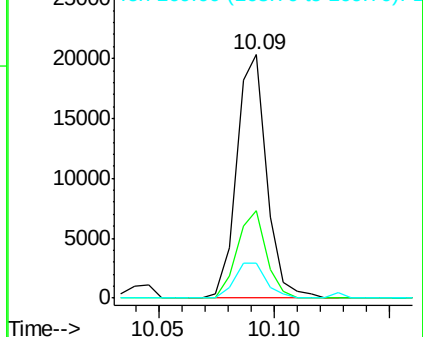
Lab File: BF101103.D

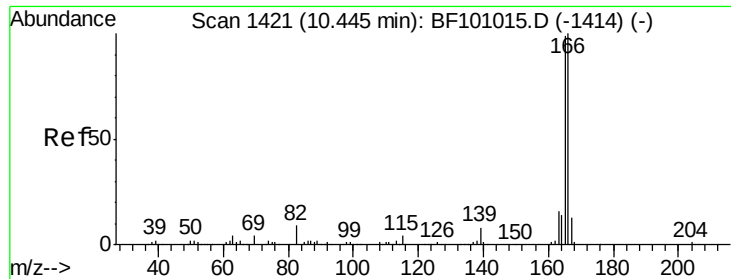
Acq: 4 Dec 2017 17:35

Tgt Ion:	168	Resp:	18408
Ion Ratio	Lower	Upper	
168	100		
139	36.0	30.1	45.1
169	14.6	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 3.43 ng

RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Instrument :

BNA_F

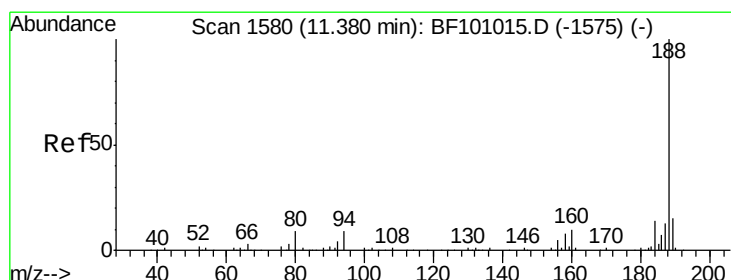
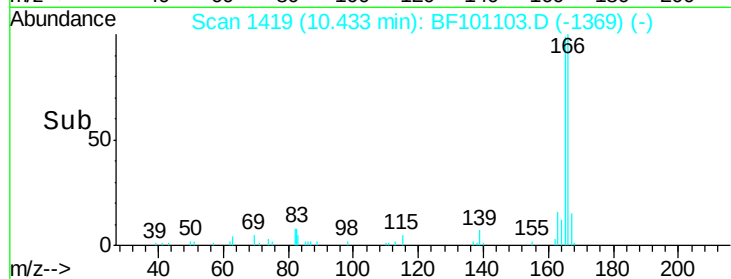
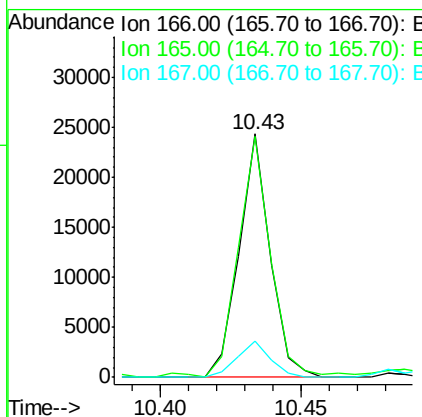
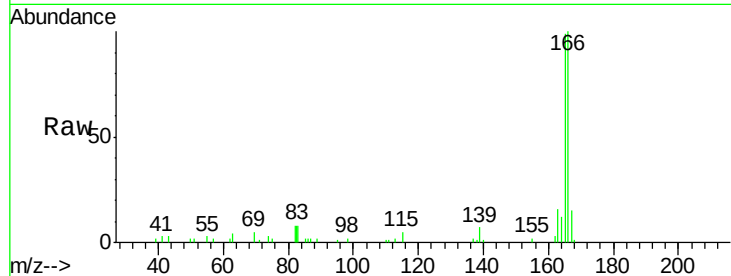
ClientSampleId :

TP-01A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		18581		
165	98.9	79.8	119.8		
167	14.9	10.6	16.0		

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#63

Phenanthrene-d10

Concen: 20.00 ng

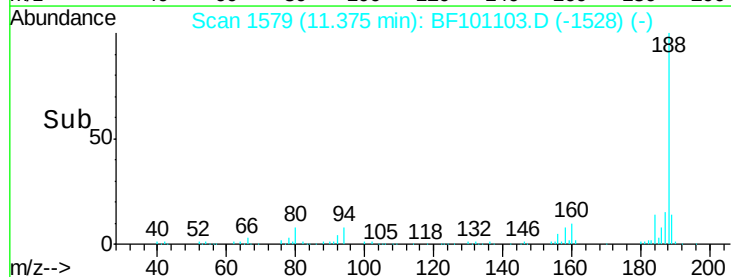
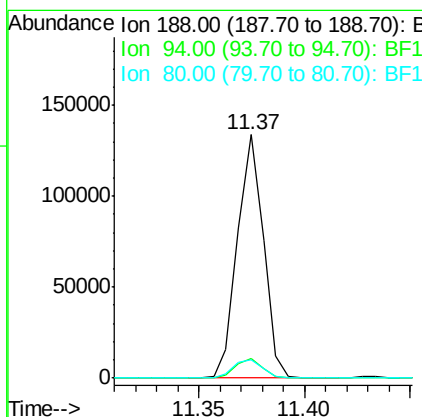
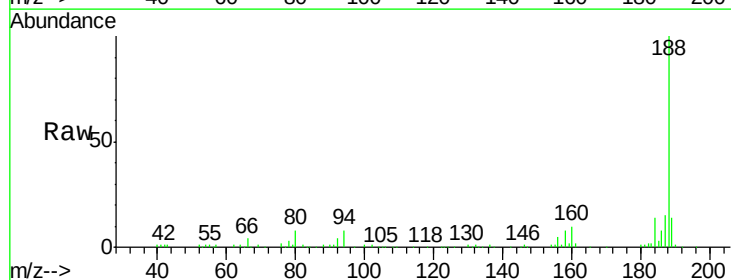
RT: 11.37 min Scan# 1579

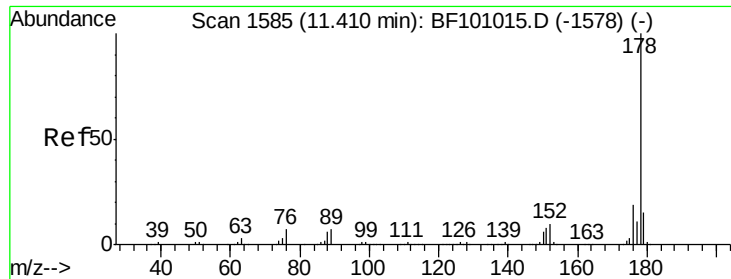
Delta R.T. 0.00 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		114197		
94	8.1	8.5	12.7#		
80	7.8	9.2	13.8#		





#70

Phenanthrene

Concen: 25.91 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Instrument :

BNA_F

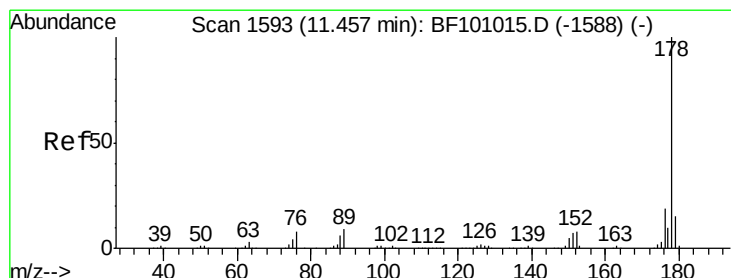
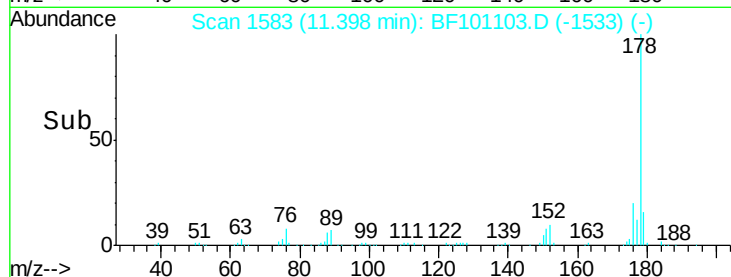
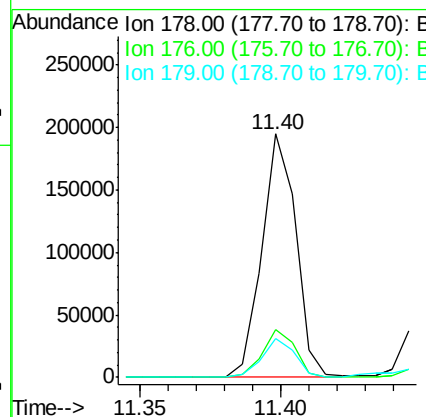
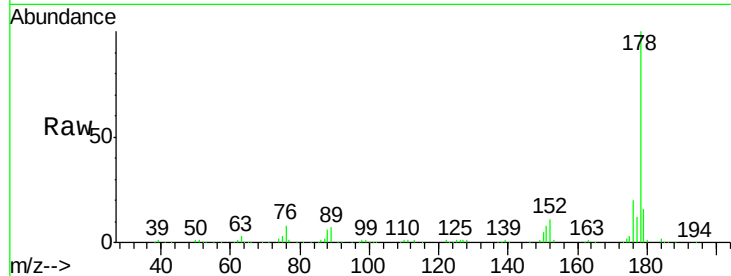
ClientSampled :

TP-01A

Tot Ion:	178	Resp:	162923
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.7	13.0	19.6

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#71

Anthracene

Concen: 6.88 ng

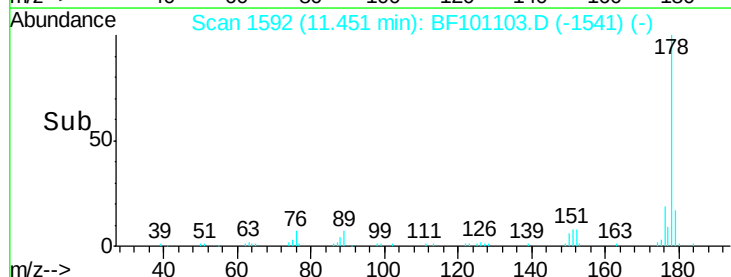
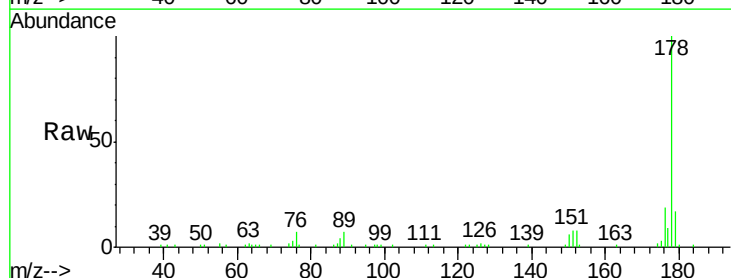
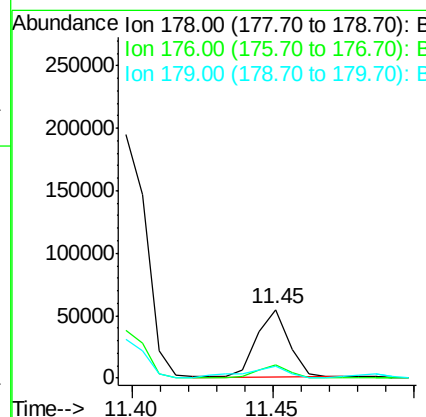
RT: 11.45 min Scan# 1592

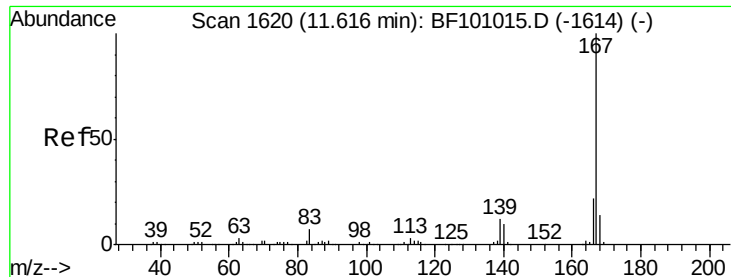
Delta R.T. 0.00 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Tgt Ion:	178	Resp:	43811
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.2
179	16.8	12.6	19.0





#72

Carbazole

Concen: 2.62 ng

RT: 11.60 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Instrument :

BNA_F

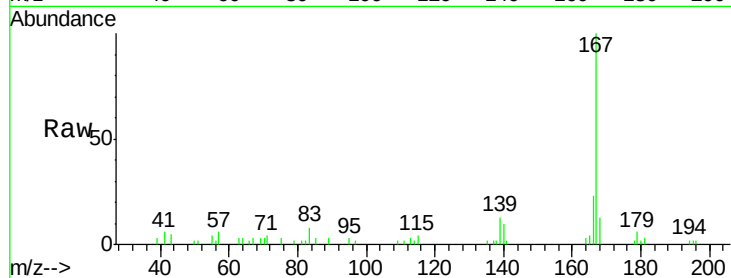
ClientSampleId :

TP-01A

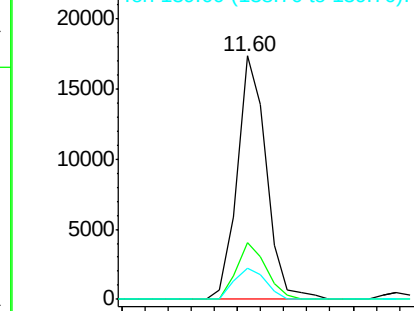
Tot Ion:	167	Resp:	15236
Ion Ratio		Lower	Upper
167	100		
166	23.4	17.6	26.4
139	12.6	10.9	16.3

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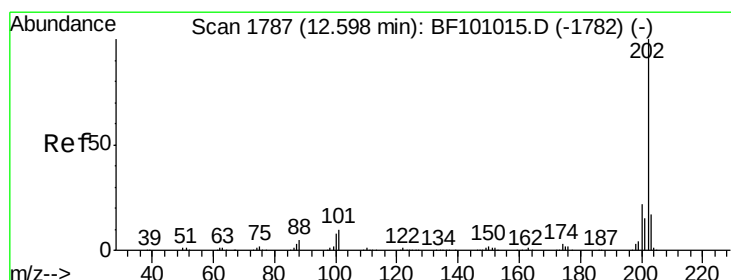
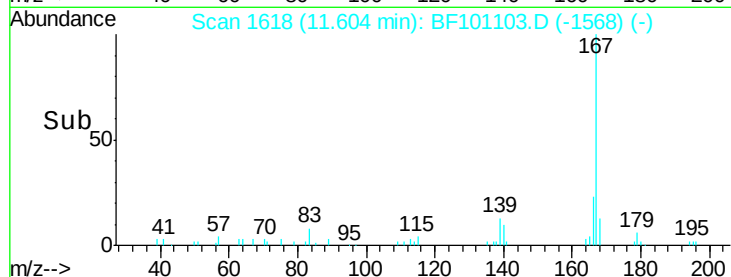
Sohil
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time--> 11.55 11.60 11.65



#74

Fluoranthene

Concen: 22.32 ng

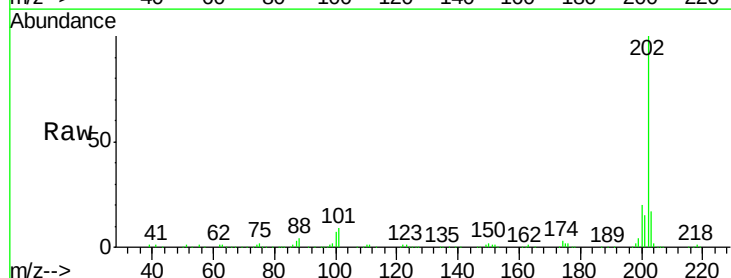
RT: 12.59 min Scan# 1786

Delta R.T. 0.00 min

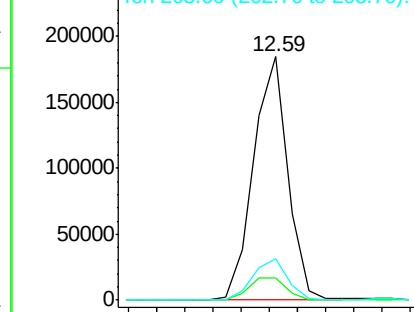
Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

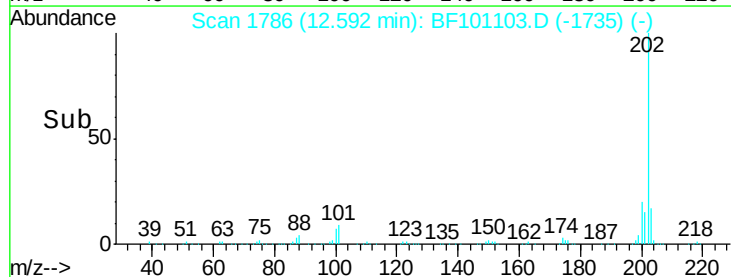
Tgt Ion:	202	Resp:	155592
Ion Ratio		Lower	Upper
202	100		
101	9.1	0.0	34.1
203	17.0	0.0	38.1

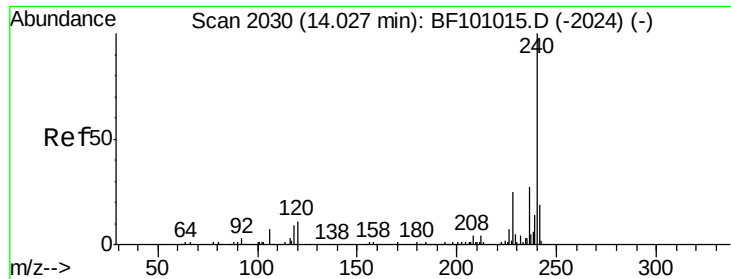


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time--> 12.55 12.60





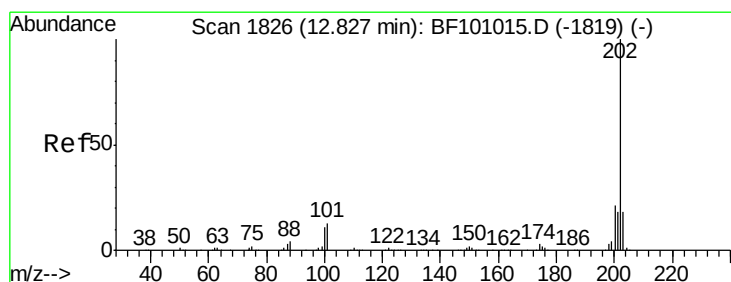
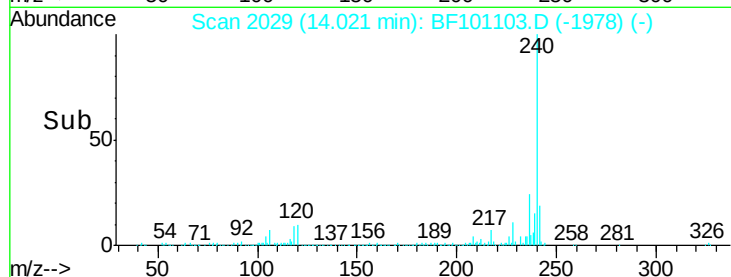
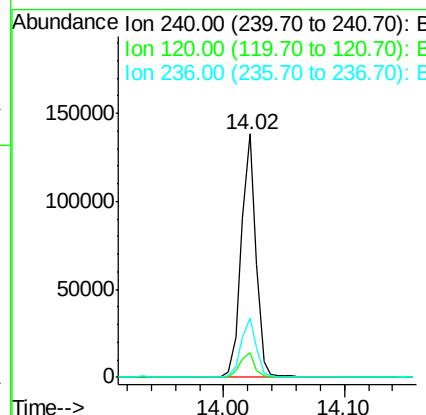
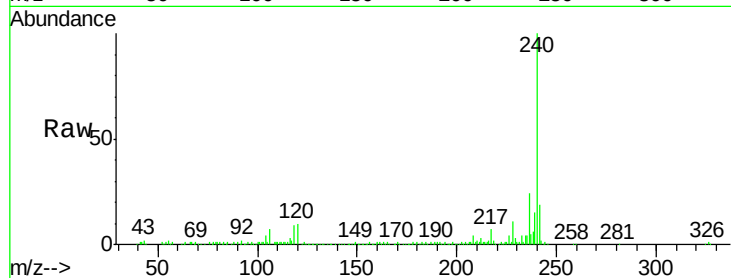
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BF101103.D
 Acq: 4 Dec 2017 17:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-01A

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	24.3	20.7	31.1

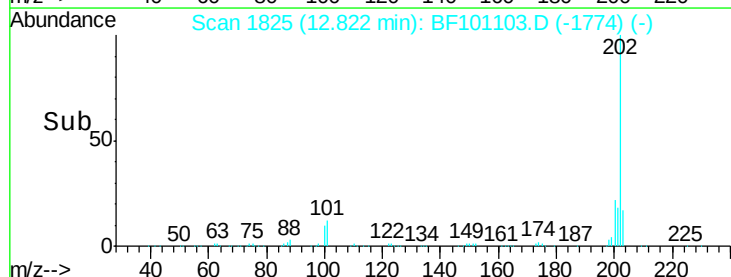
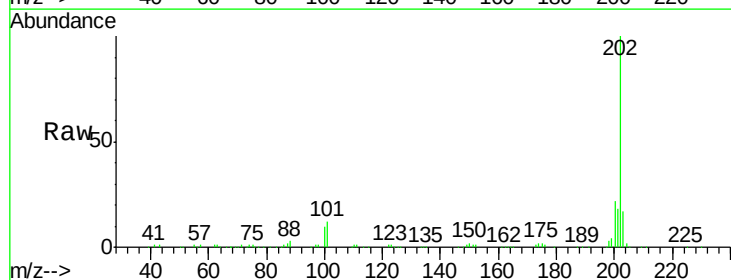
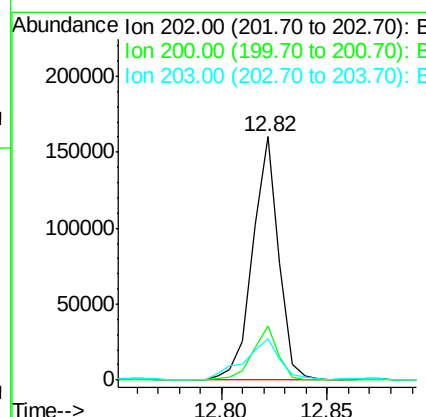
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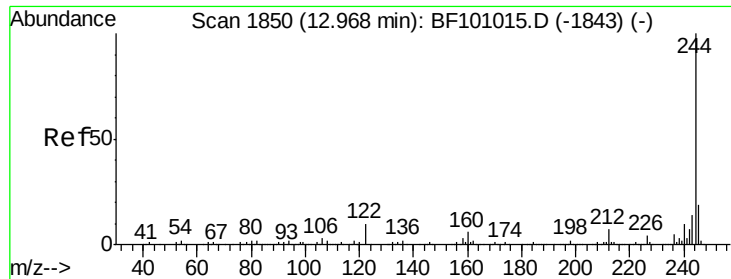
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#77
 Pyrene
 Concen: 16.92 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF101103.D
 Acq: 4 Dec 2017 17:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	17.2	14.3	21.5





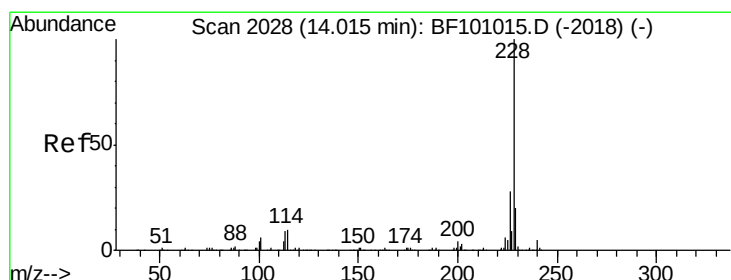
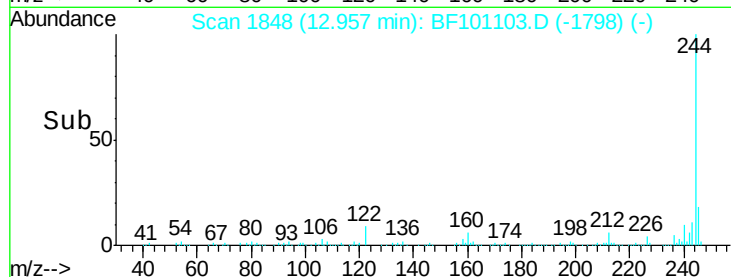
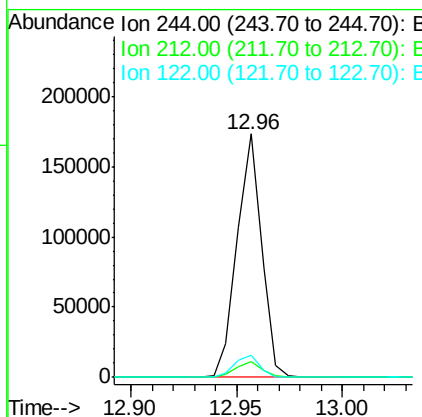
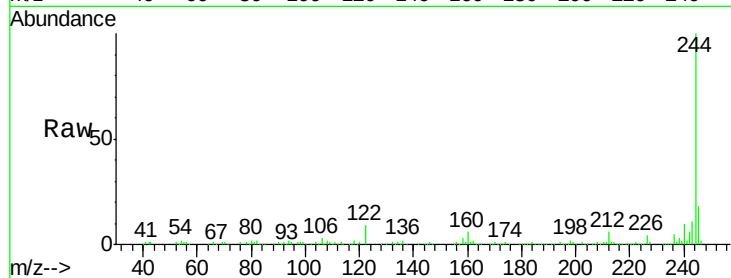
#78
 Terphenyl-d14
 Concen: 25.79 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101103.D
 Acq: 4 Dec 2017 17:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-01A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.3	11.0	16.4

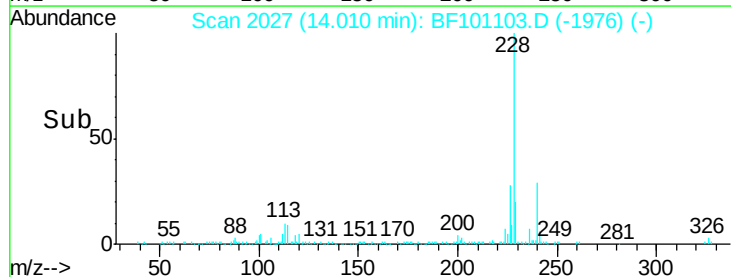
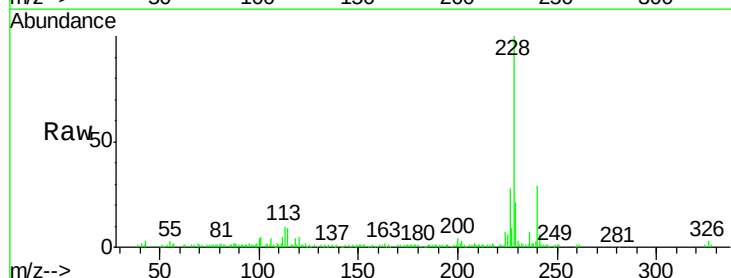
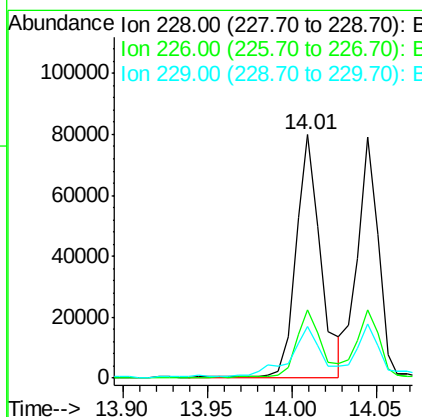
Manual Integrations
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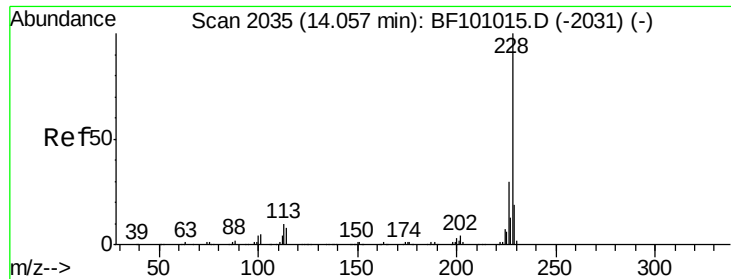
Sohil
 12/5/2017 3:24:33 PM



#80
 Benzo(a)anthracene
 Concen: 10.98 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101103.D
 Acq: 4 Dec 2017 17:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	21.0	15.8	23.6





#82

Chrysene

Concen: 10.01 ng

RT: 14.05 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Instrument :

BNA_F

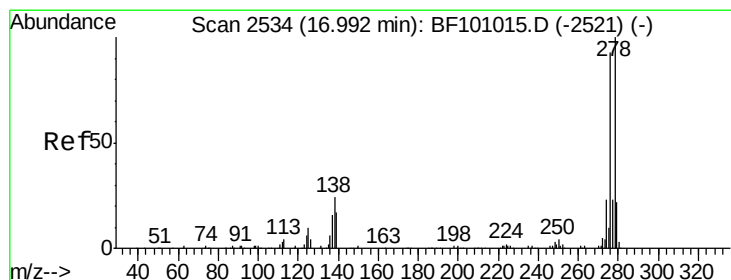
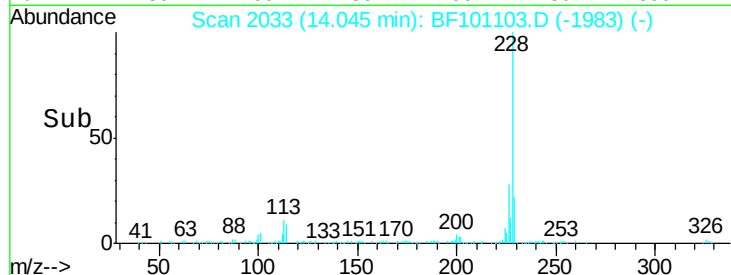
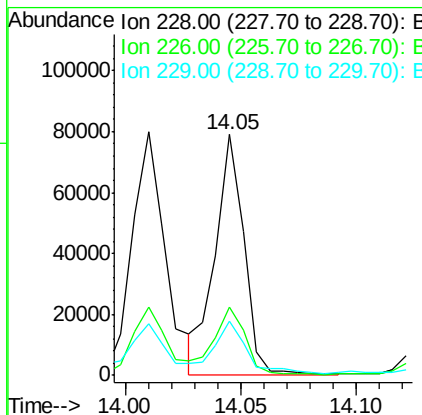
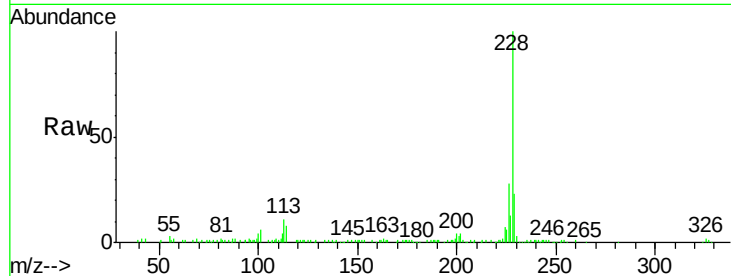
ClientSampled :

TP-01A

Tot Ion:	228	Resp:	69228
Ion Ratio	Lower	Upper	
228	100		
226	28.4	25.0	37.6
229	22.7	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.34 ng

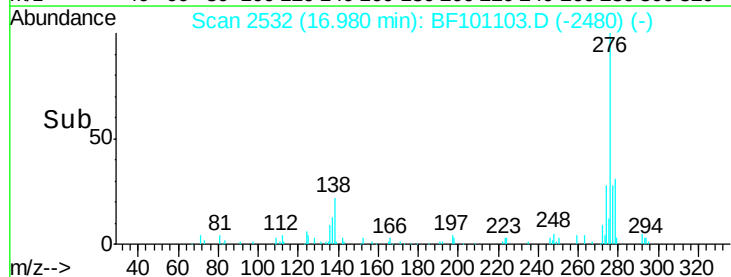
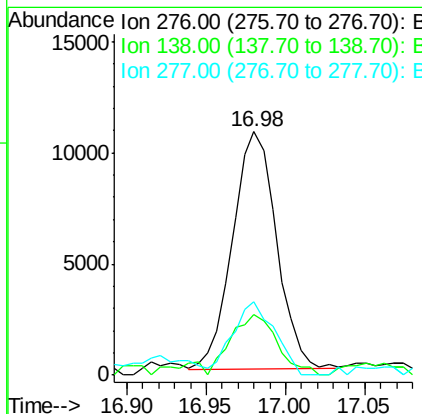
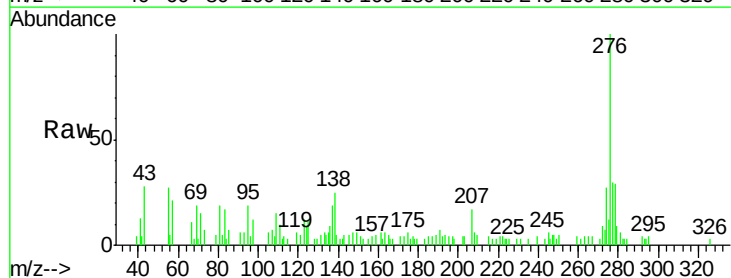
RT: 16.98 min Scan# 2532

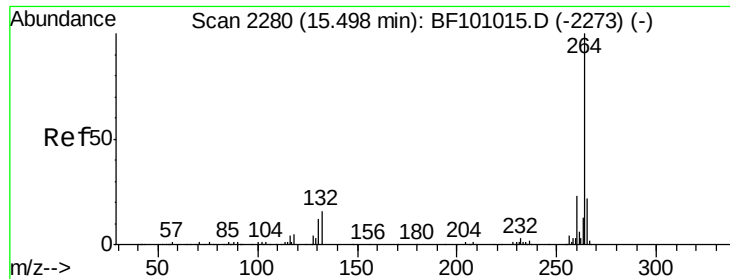
Delta R.T. 0.01 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Tgt Ion:	276	Resp:	20506
Ion Ratio	Lower	Upper	
276	100		
138	26.9	25.0	37.6
277	29.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Instrument :

BNA_F

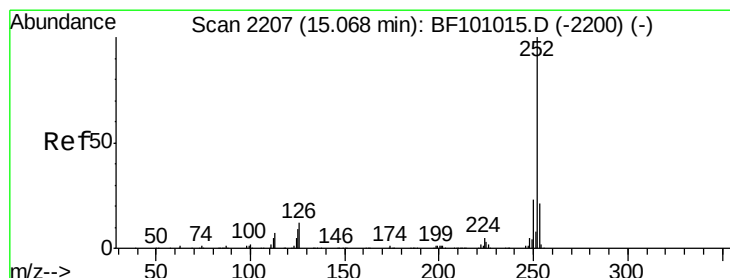
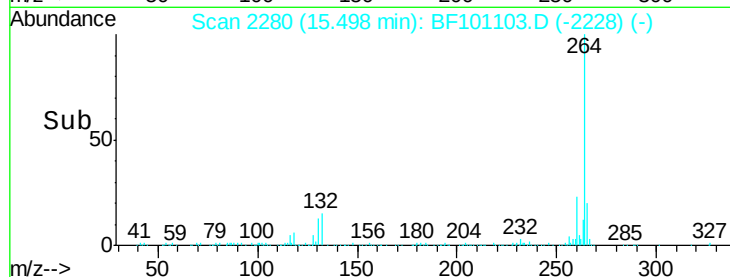
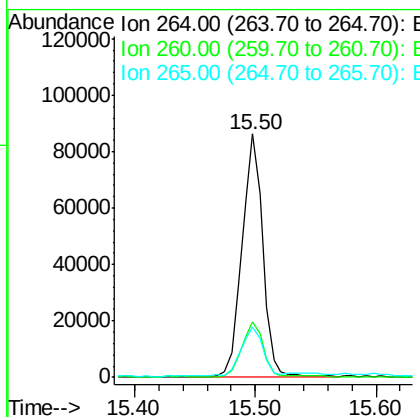
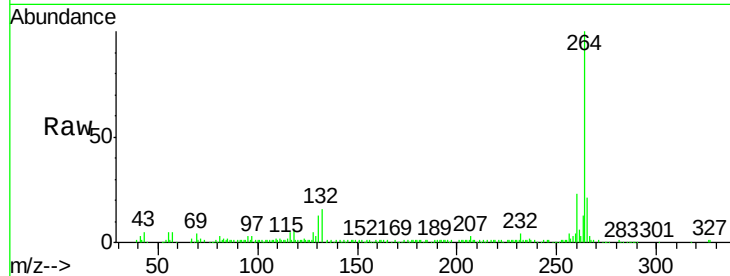
ClientSampled :

TP-01A

Tot Ion:	264	Resp:	104420
Ion Ratio	Lower	Upper	
264	100		
260	22.6	19.2	28.8
265	20.8	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 11.45 ng m

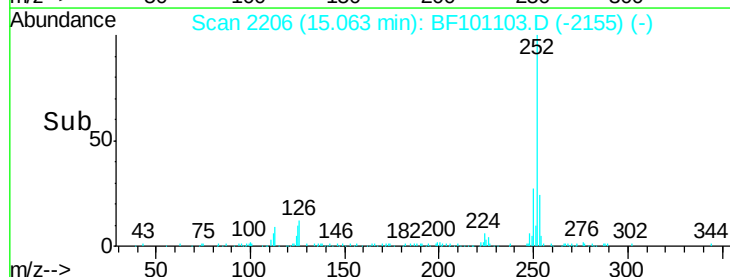
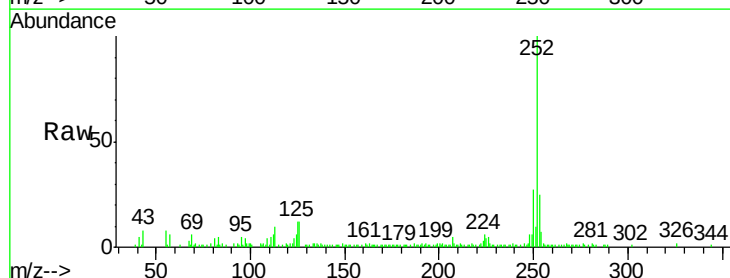
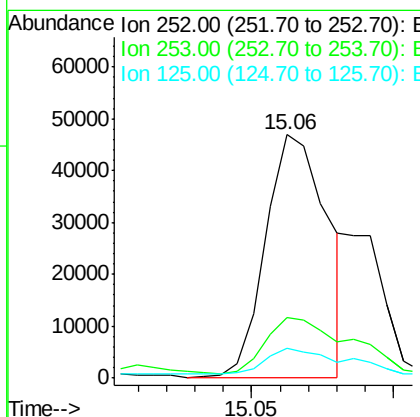
RT: 15.06 min Scan# 2206

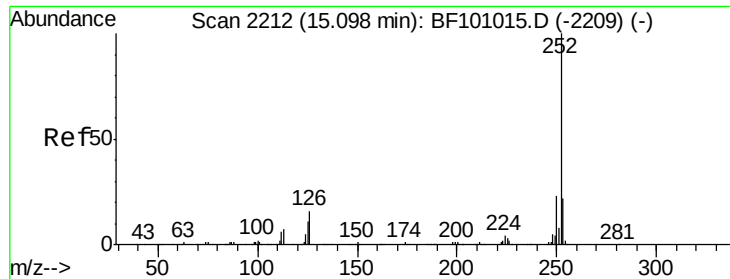
Delta R.T. 0.00 min

Lab File: BF101103.D

Acq: 4 Dec 2017 17:35

Tgt Ion:	252	Resp:	71624
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.0	25.6
125	12.1	9.0	13.6





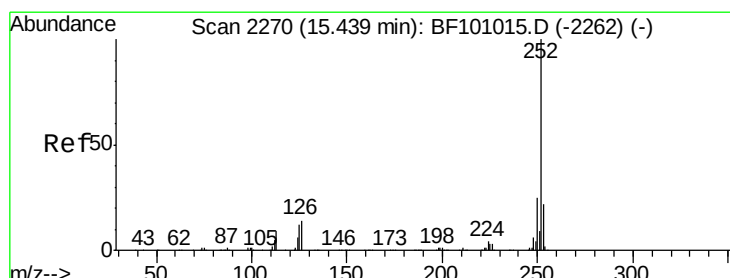
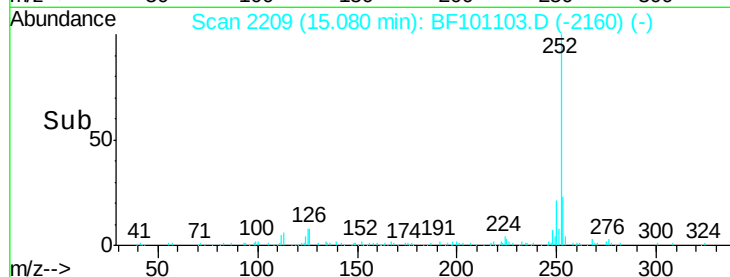
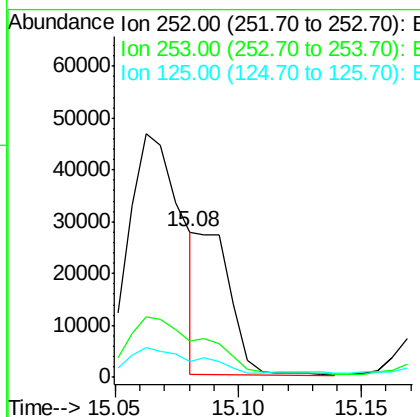
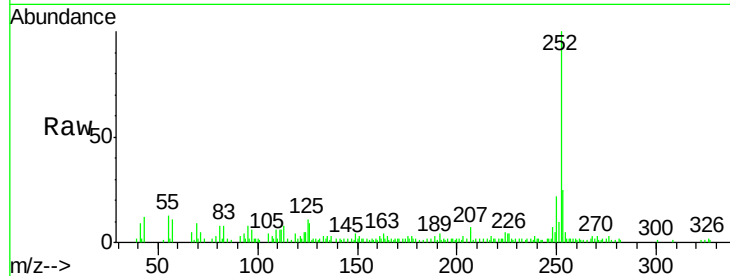
#88
Benzo(k)fluoranthene
Concen: 4.18 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF101103.D
Acq: 4 Dec 2017 17:35

Instrument :
BNA_F
ClientSampleId :
TP-01A

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	11.0	10.2	15.2

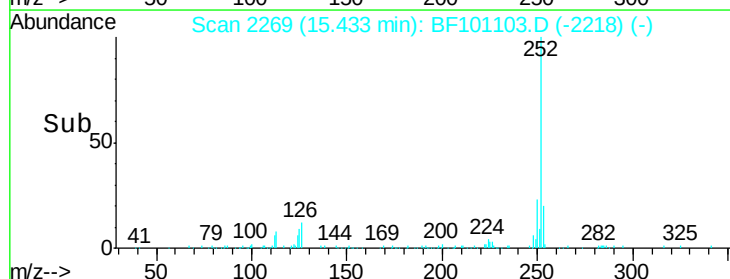
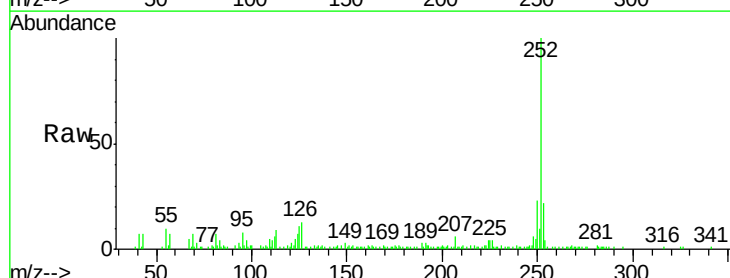
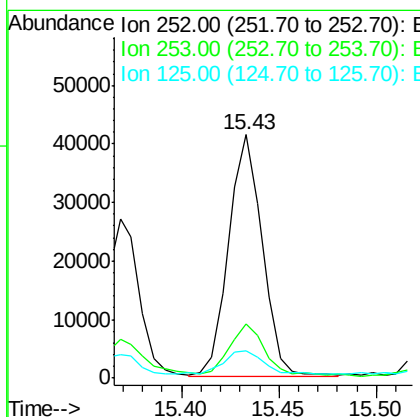
Manual Integrations
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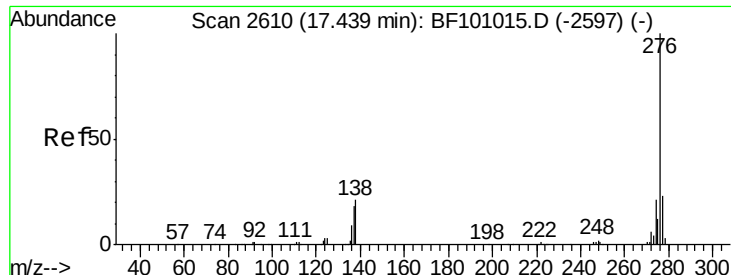
Sohil
12/5/2017 3:24:33 PM



#89
Benzo(a)pyrene
Concen: 8.64 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF101103.D
Acq: 4 Dec 2017 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	11.2	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.13 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: BF101103.D
 Acq: 4 Dec 2017 17:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-01A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	22.3	21.8	32.8

Manual Integrations
 APPROVED

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