

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\
 Data File : BF106944.D
 Acq On : 29 Jun 2018 1:50
 Operator : JU/SJ
 Sample : J3048-10 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 TP-3-D

Manual Integrations
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 6/29/2018 2:31:01 PM

Quant Time: Jun 29 06:46:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	67815	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	241750	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	97608	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	175642	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	217459	20.00	ng	-0.03
86) Perylene-d12	15.67	264	188938	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	216114	53.96	ng	-0.01
7) Phenol-d6	6.59	99	267172	53.42	ng	-0.02
23) Nitrobenzene-d5	7.51	82	152525	35.06	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	59094	52.24	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	231799	30.79	ng	-0.02
78) Terphenyl-d14	13.07	244	255787	28.49	ng	-0.02
Target Compounds						
31) Naphthalene	8.25	128	48026	4.249	ng	Qvalue 99
49) Dimethylphthalate	9.70	163	28736	3.925	ng	97
51) Acenaphthene	10.02	154	48408	7.952	ng	97
54) Dibenzofuran	10.20	168	40830	4.898	ng	93
57) Fluorene	10.54	166	43565	6.586	ng	97
70) Phenanthrene	11.51	178	294833	34.803	ng	99
71) Anthracene	11.56	178	85562	9.895	ng	97
72) Carbazole	11.72	167	22133	2.734	ng	97
74) Fluoranthene	12.71	202	407719	43.665	ng	95
77) Pyrene	12.94	202	381626	26.613	ng	100
80) Benzo(a)anthracene	14.12	228	208327	15.719	ng	99
82) Chrysene	14.17	228	186519	15.297	ng	97
85) Indeno(1,2,3-cd)pyrene	17.24	276	64966	6.278	ng	# 88
87) Benzo(b)fluoranthene	15.21	252	190741m	16.252	ng	
88) Benzo(k)fluoranthene	15.24	252	70268m	6.287	ng	
89) Benzo(a)pyrene	15.60	252	142081m	13.618	ng	
91) Benzo(g,h,i)perylene	17.72	276	73904	8.551	ng	# 88

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

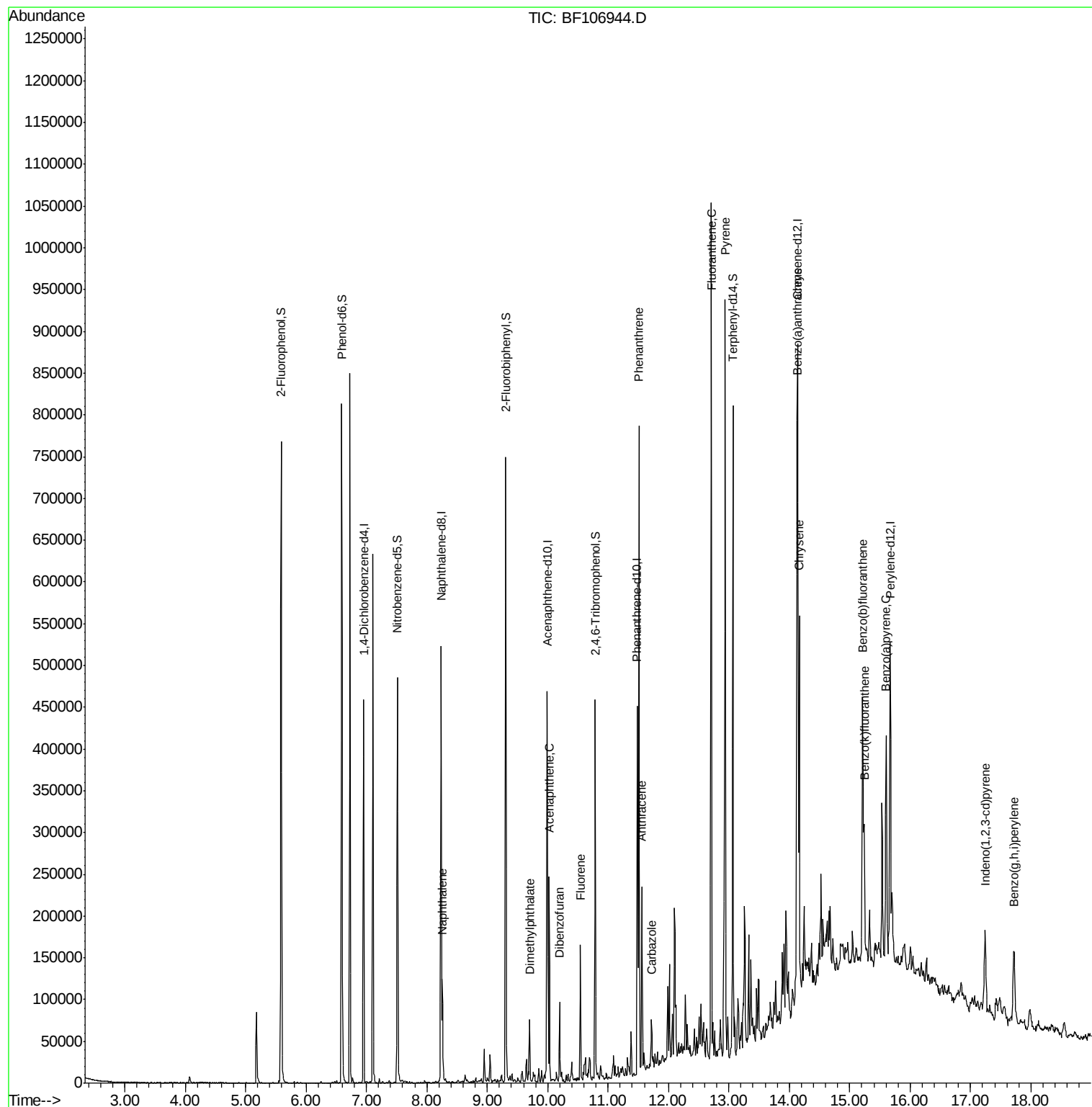
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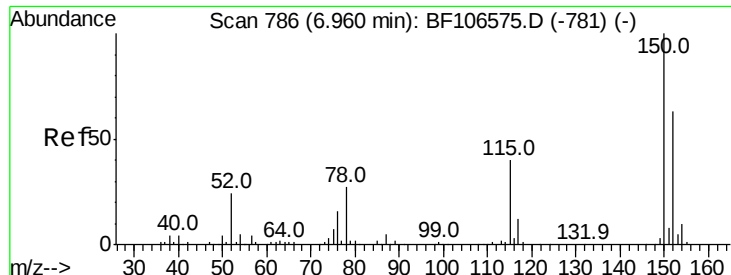
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#1

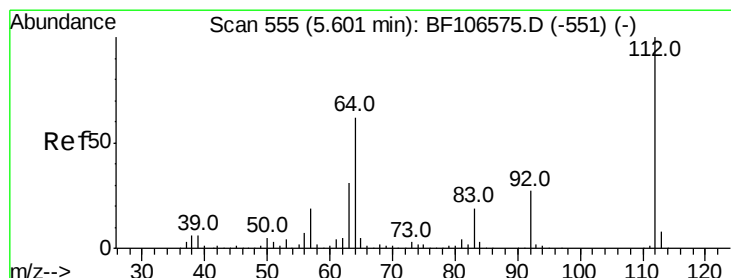
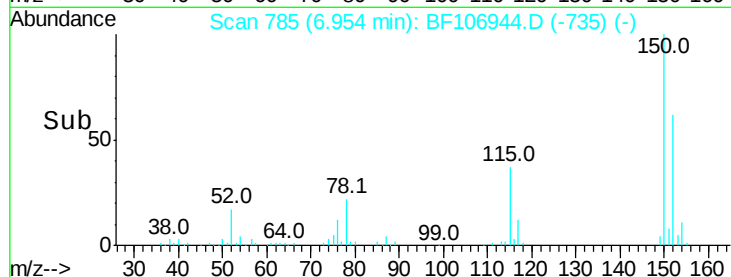
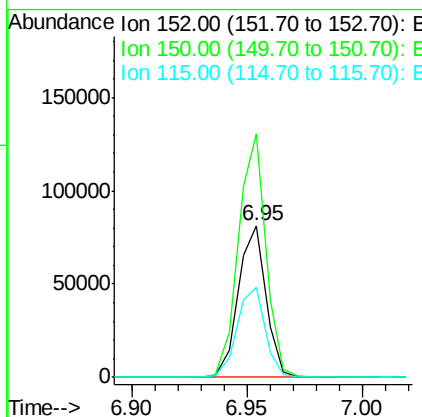
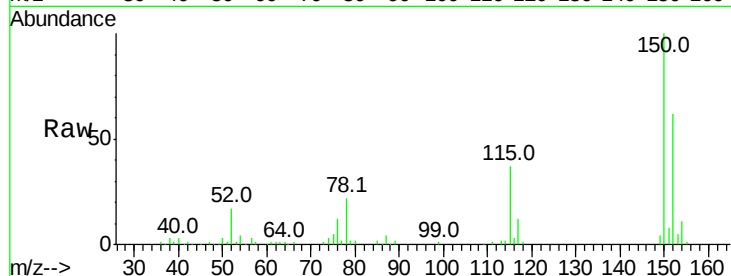
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Instrument :
BNA_F
ClientSampled :
TP-3-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	59.1	50.1	75.1

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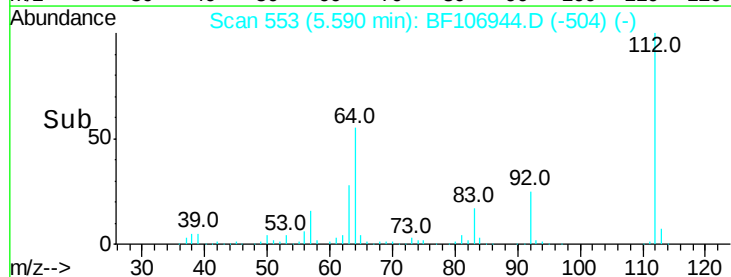
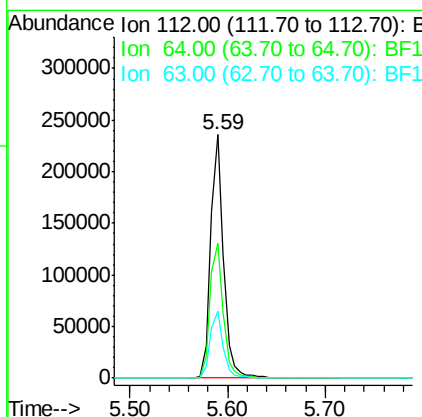
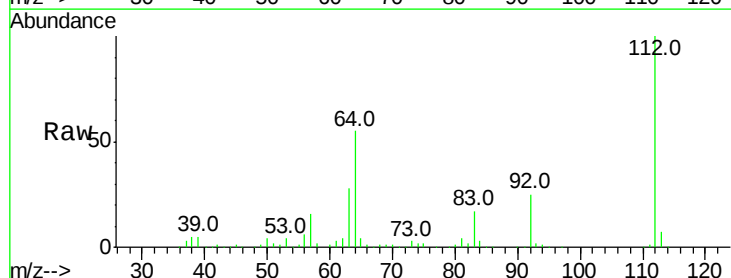
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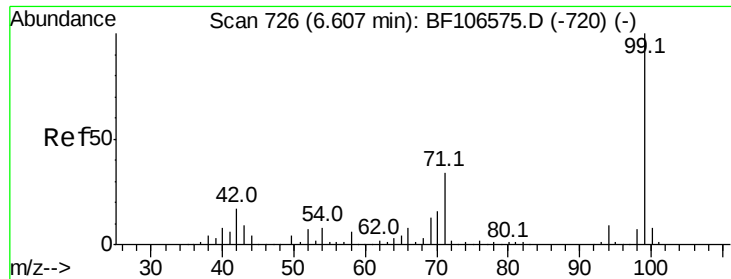


#5

2-Fluorophenol
Concen: 53.963 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 53.421 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF106944.D

Acq: 29 Jun 2018 1:50

Instrument :

BNA_F

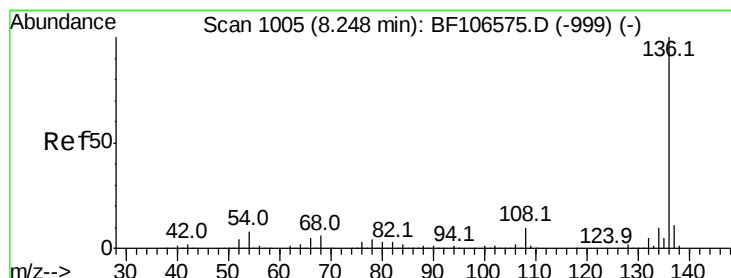
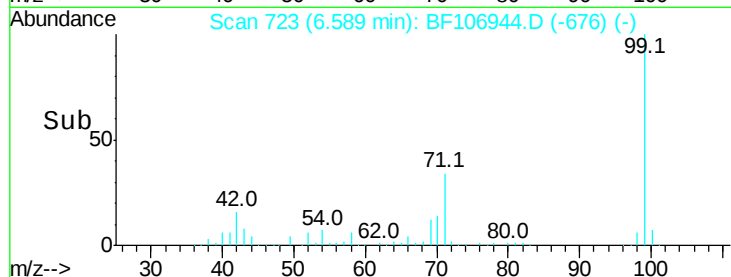
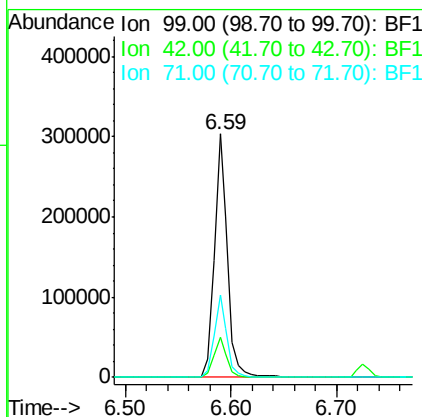
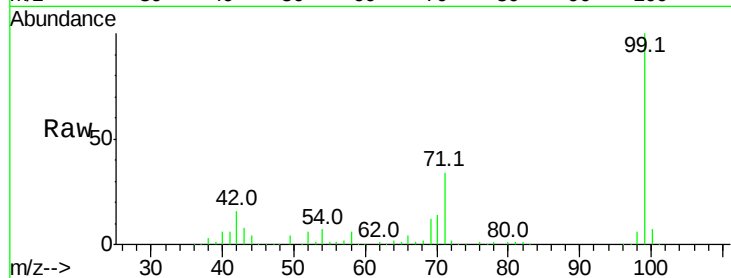
ClientSampled :

TP-3-D

Tot Ion:	99	Resp:	267172
Ion Ratio	Lower	Upper	
99	100		
42	16.5	14.5	21.7
71	33.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

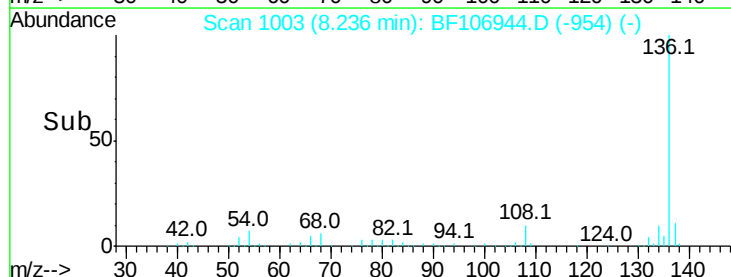
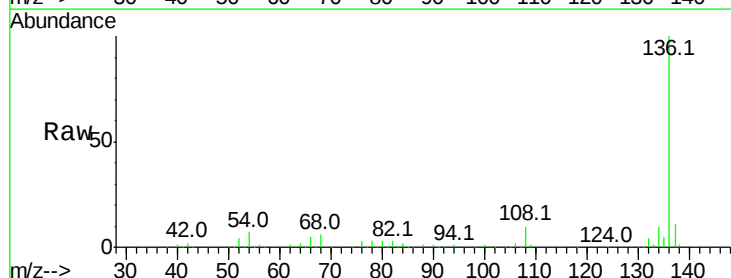
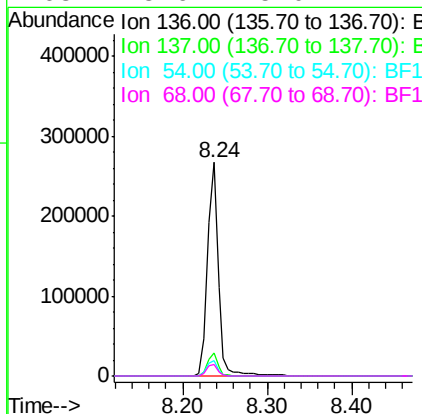
RT: 8.24 min Scan# 1003

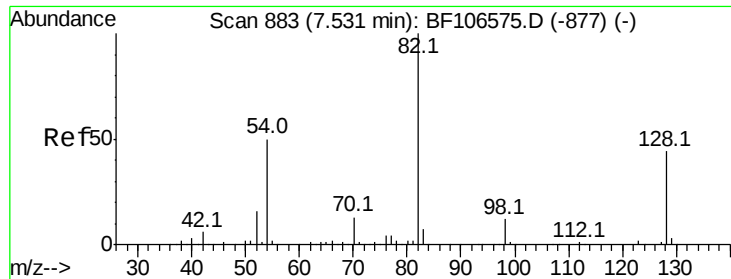
Delta R.T. -0.01 min

Lab File: BF106944.D

Acq: 29 Jun 2018 1:50

Tgt Ion:	136	Resp:	241750
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.4	6.6	9.8
68	5.6	5.0	7.4





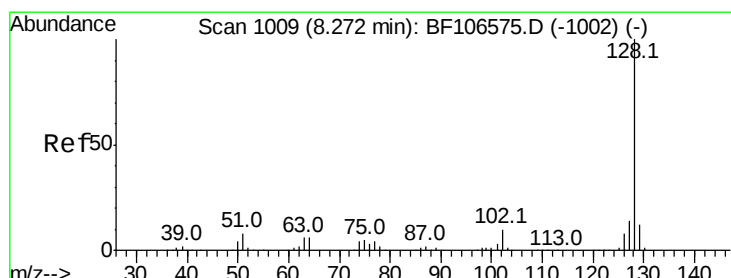
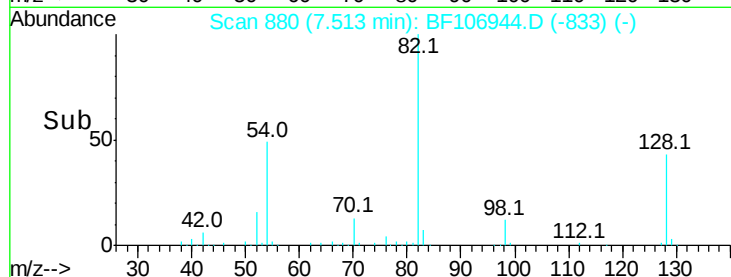
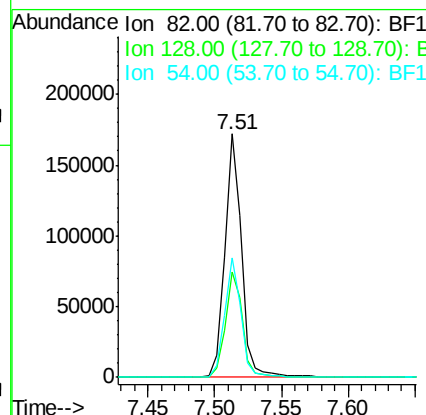
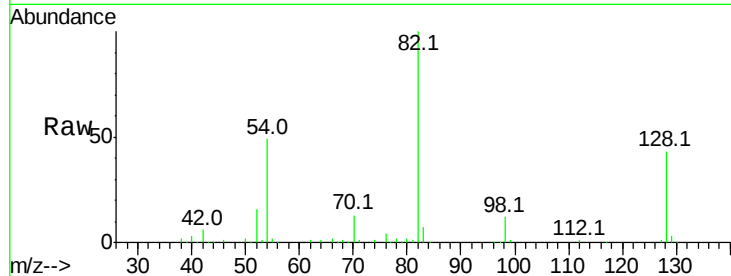
#23
 Nitrobenzene-d5
 Concen: 35.062 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF106944.D
 Acq: 29 Jun 2018 1:50

Instrument :
 BNA_F
 ClientSampled :
 TP-3-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	49.2	41.4	62.2

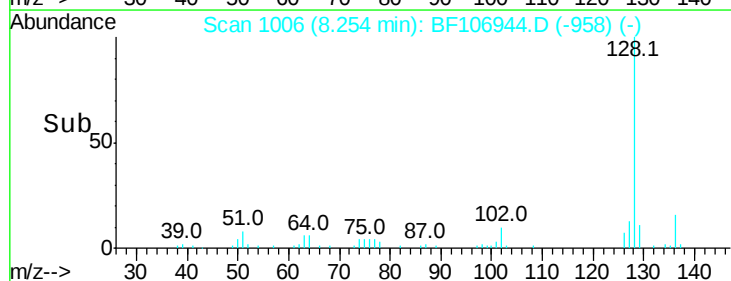
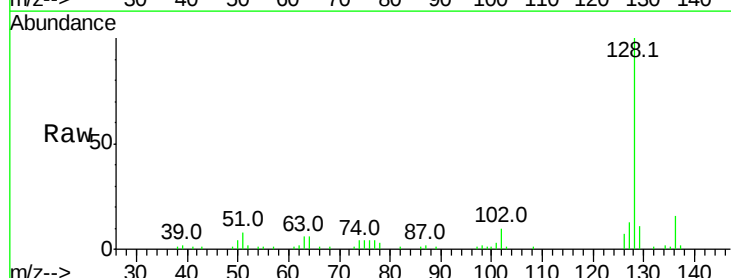
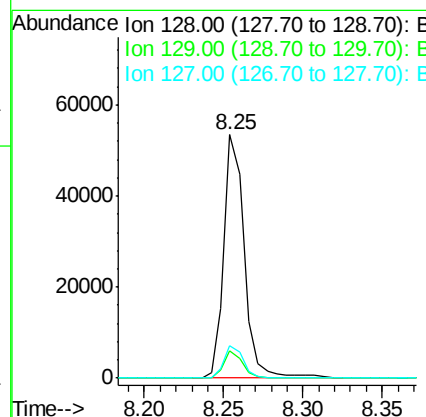
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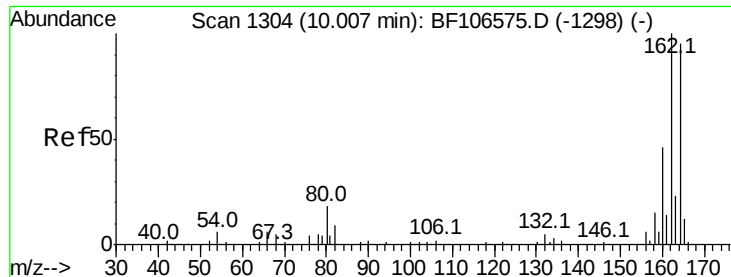
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#31
 Naphthalene
 Concen: 4.249 ng
 RT: 8.25 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BF106944.D
 Acq: 29 Jun 2018 1:50

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





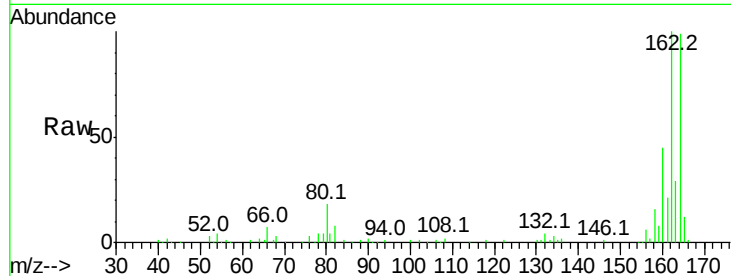
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Instrument :
BNA_F
ClientSampled :
TP-3-D

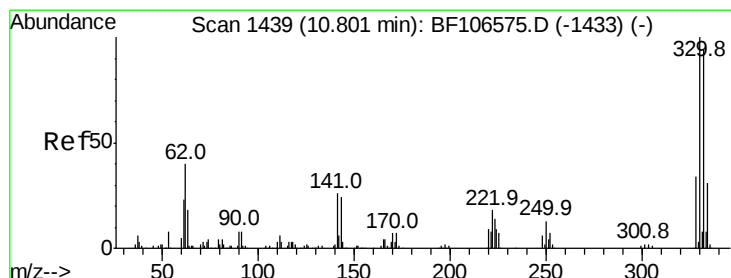
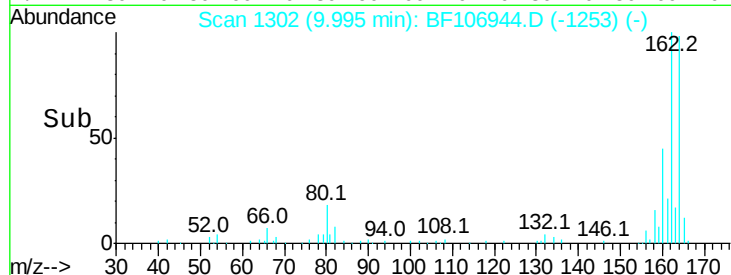
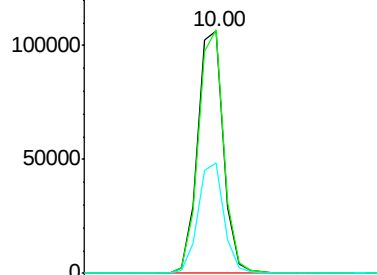
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.5	86.1	129.1
160	45.7	38.3	57.5

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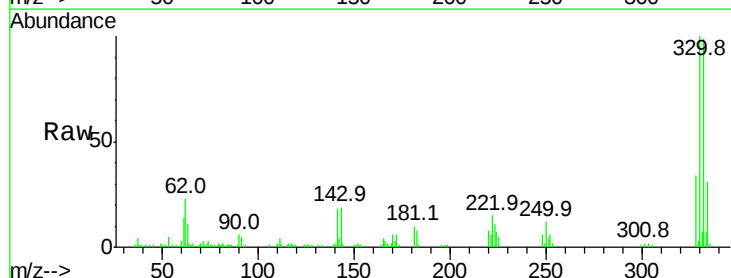


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

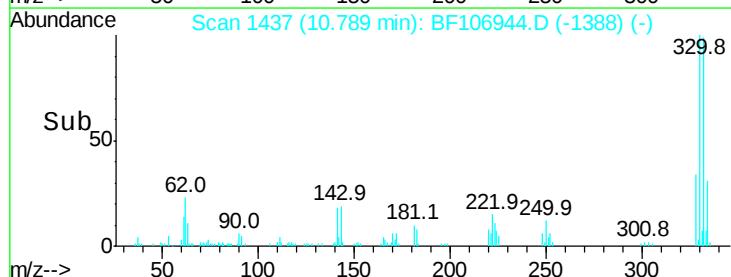
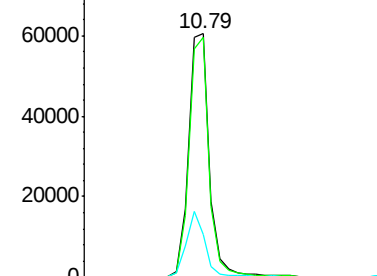


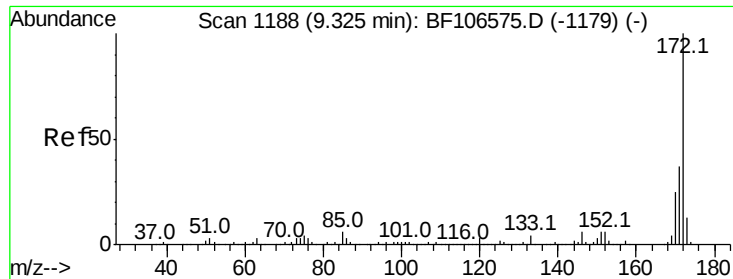
#41
2,4,6-Tribromophenol
Concen: 52.235 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	24.2	29.9	44.9#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





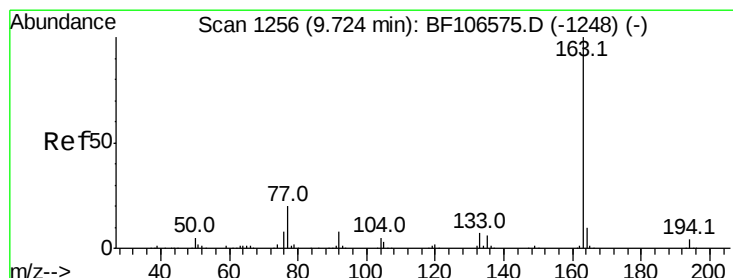
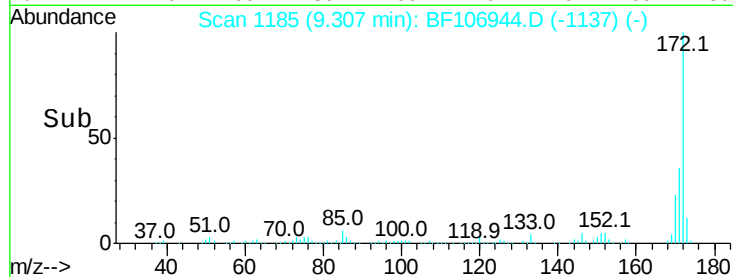
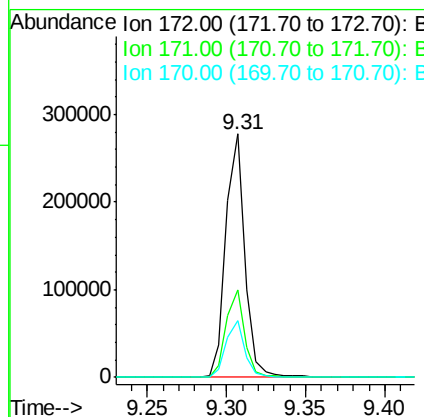
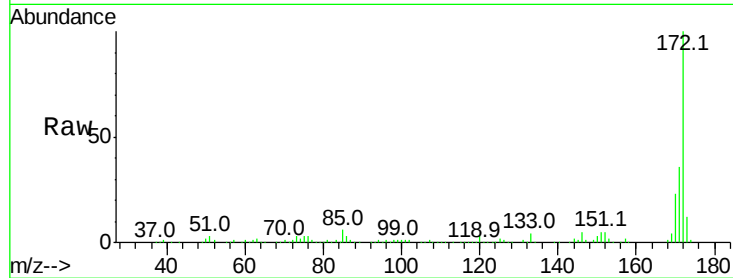
#44
2-Fluorobiphenyl
Concen: 30.788 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Instrument :
BNA_F
ClientSampled :
TP-3-D

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.5	19.6	29.4

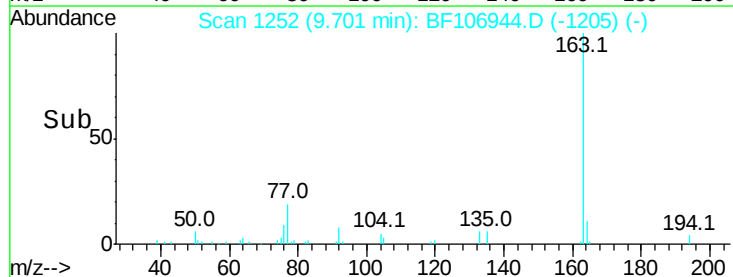
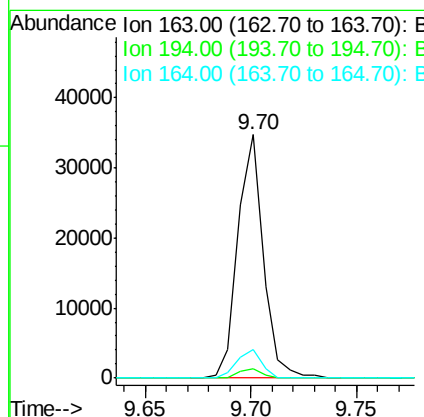
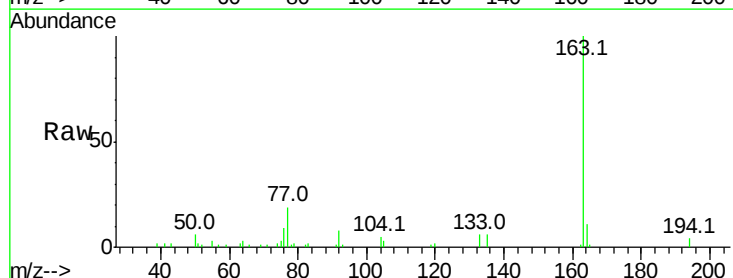
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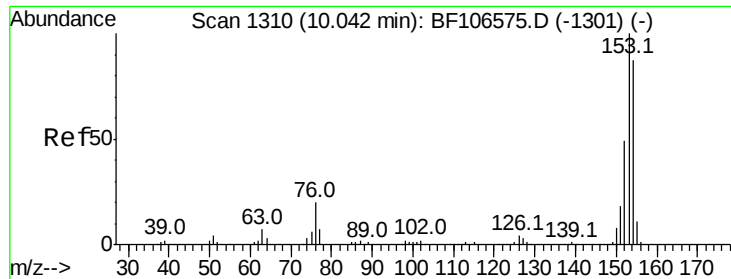
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#49
Dimethylphthalate
Concen: 3.925 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.9	2.7	4.1
164	11.5	8.2	12.2





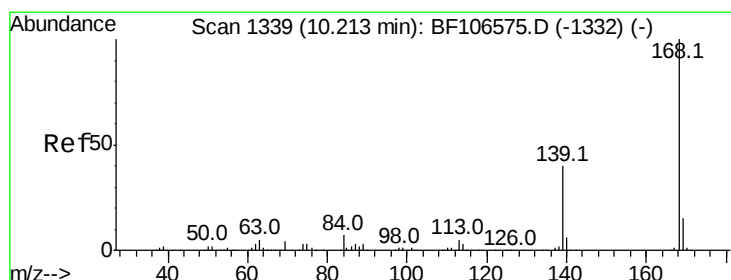
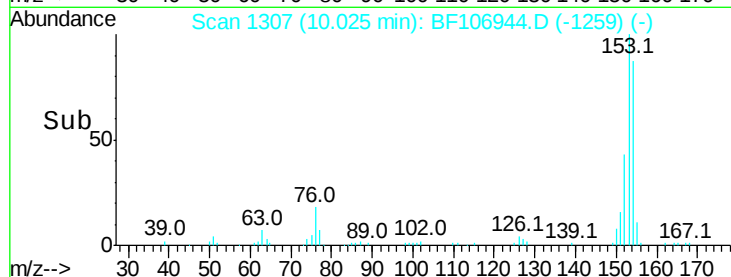
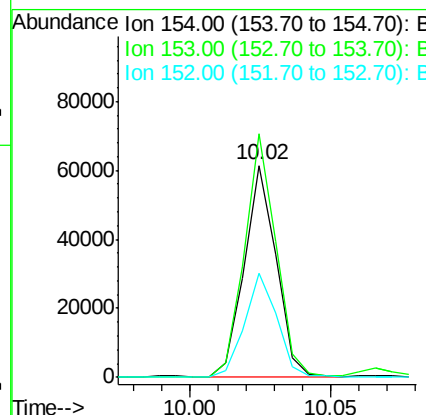
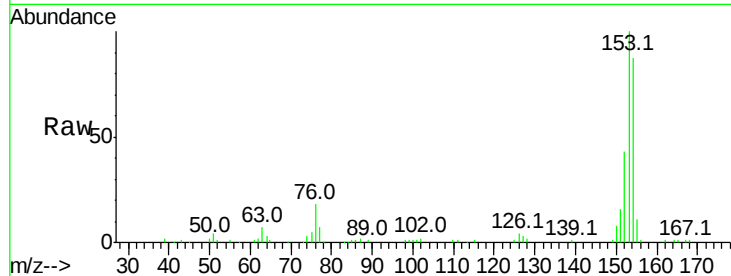
#51
Acenaphthene
Concen: 7.952 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Instrument :
BNA_F
ClientSampleId :
TP-3-D

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.2	136.8
152	49.1	43.8	65.8

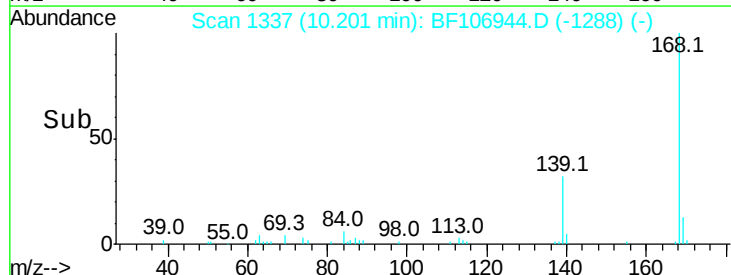
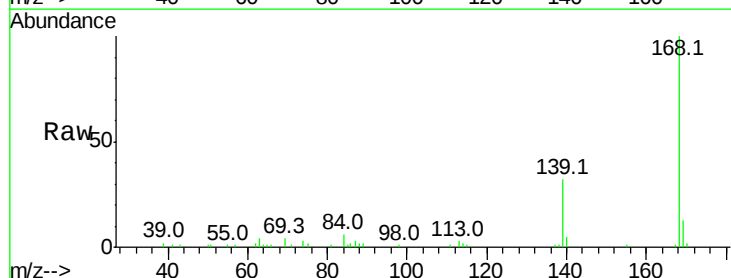
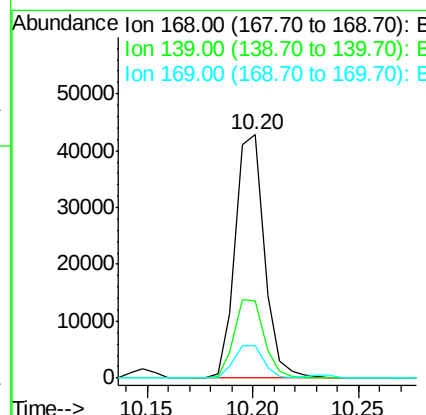
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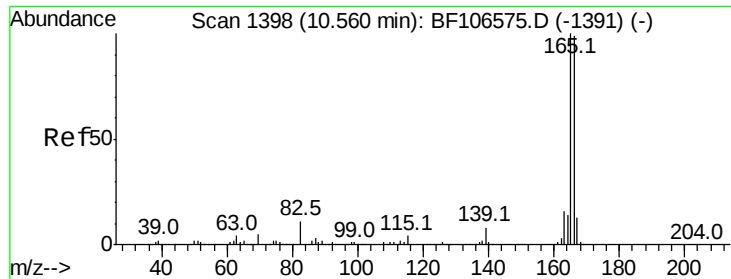
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#54
Dibenzofuran
Concen: 4.898 ng
RT: 10.20 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Tgt Ion	Ratio	Lower	Upper
168	100		
139	31.8	30.1	45.1
169	13.1	10.9	16.3





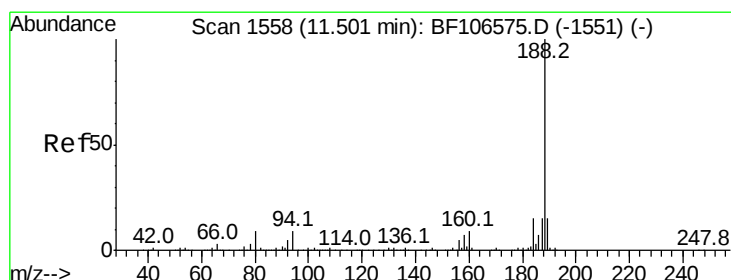
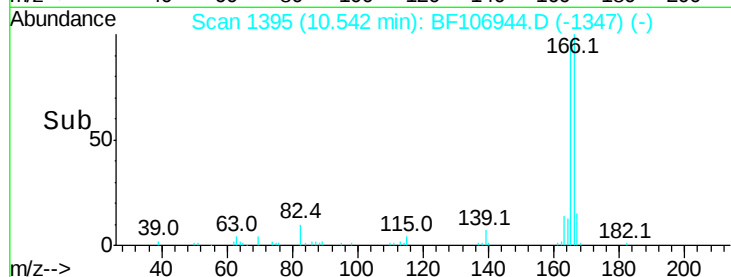
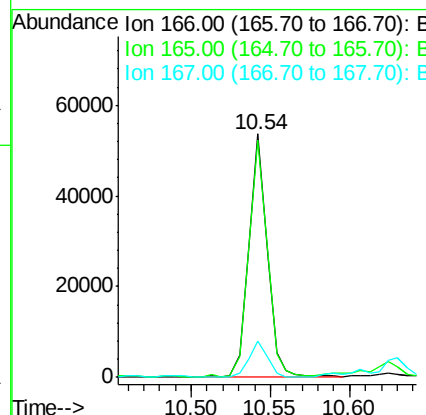
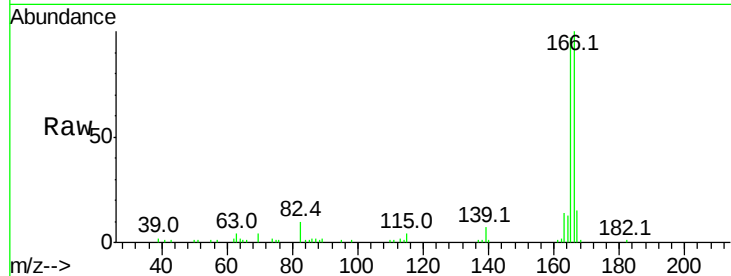
#57
Fluorene
 Concen: 6.586 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.02 min
 Lab File: BF106944.D
 Acq: 29 Jun 2018 1:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-D

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.4	79.8	119.8	
167	14.6	10.6	16.0	

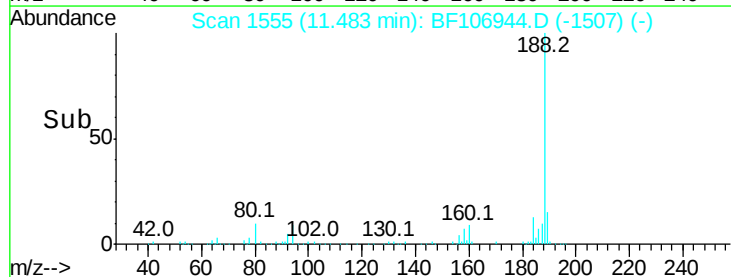
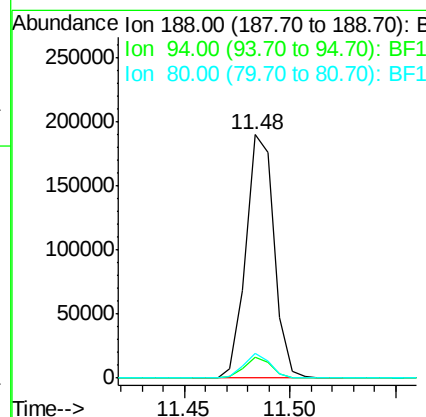
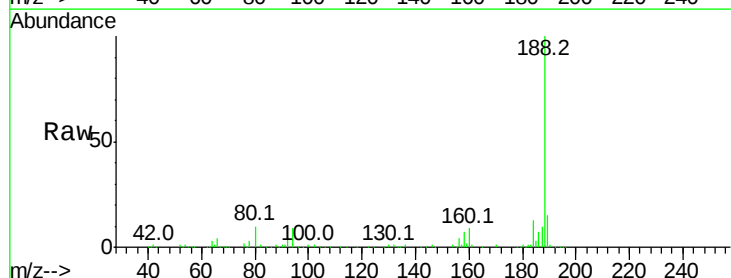
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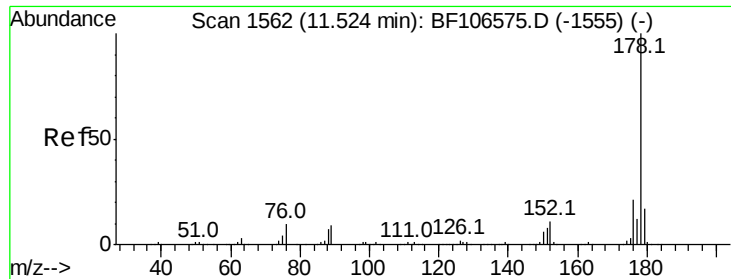
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF106944.D
 Acq: 29 Jun 2018 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.8	8.5	12.7	
80	10.1	9.2	13.8	





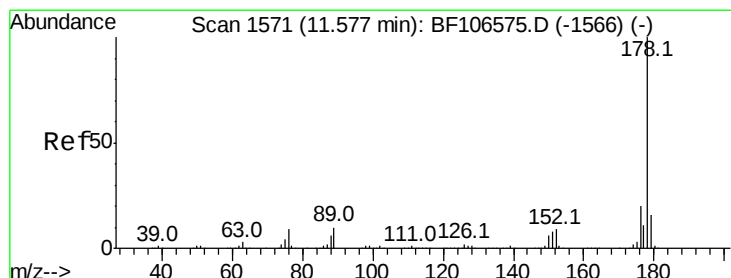
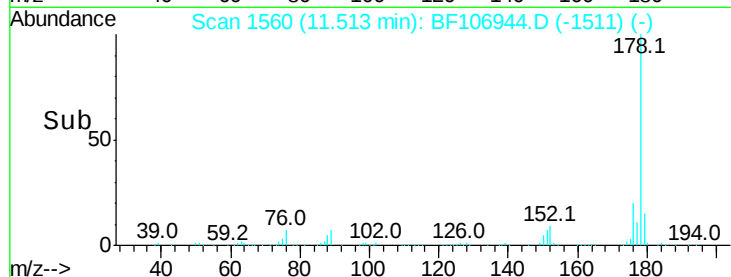
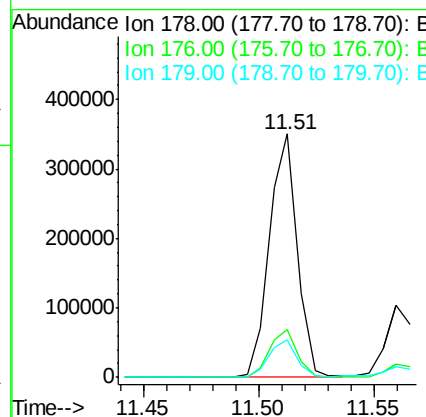
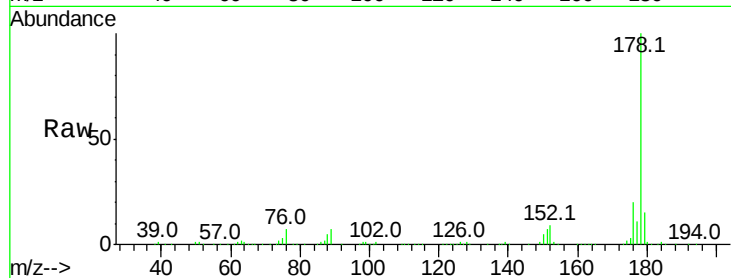
#70
Phenanthrene
Concen: 34.803 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Instrument :
BNA_F
ClientSampleId :
TP-3-D

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.3	13.0	19.6

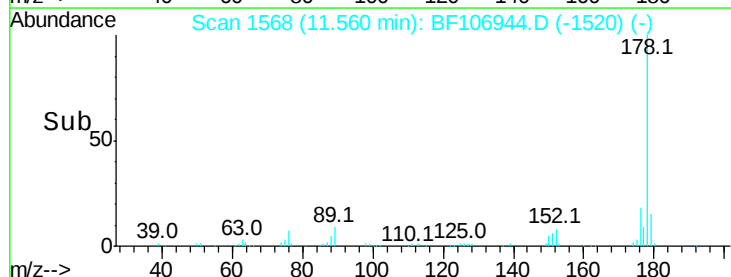
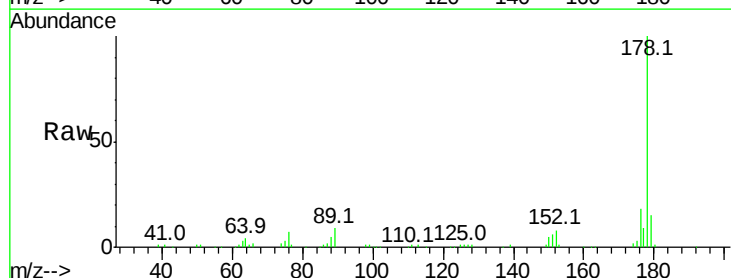
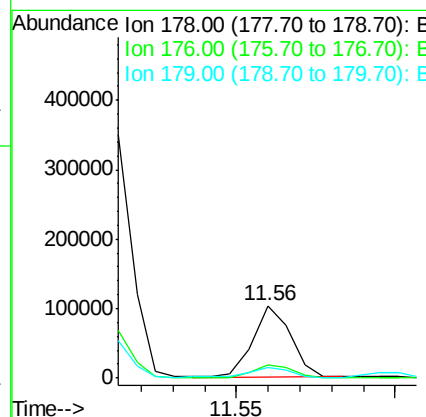
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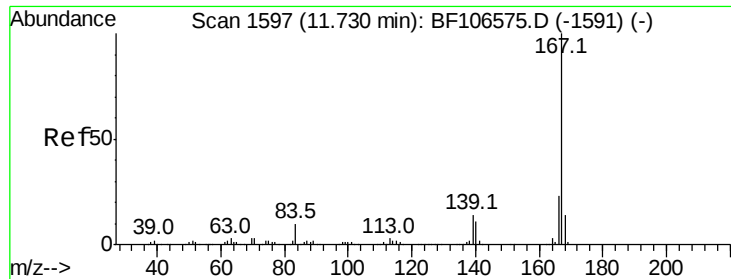
Sohil
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#71
Anthracene
Concen: 9.895 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	14.9	12.6	19.0





#72

Carbazole

Concen: 2.734 ng

RT: 11.72 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF106944.D

Acq: 29 Jun 2018 1:50

Instrument :

BNA_F

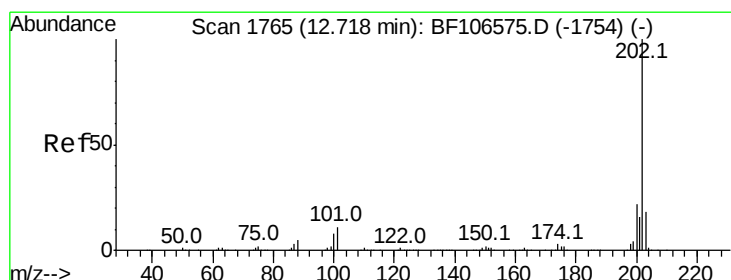
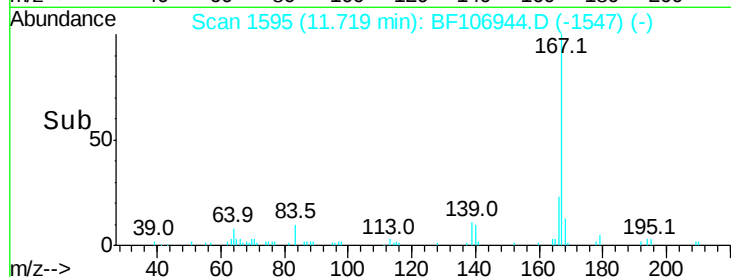
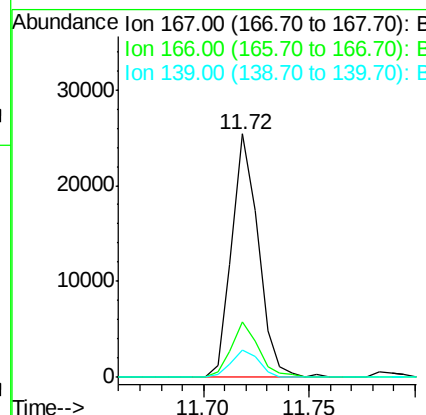
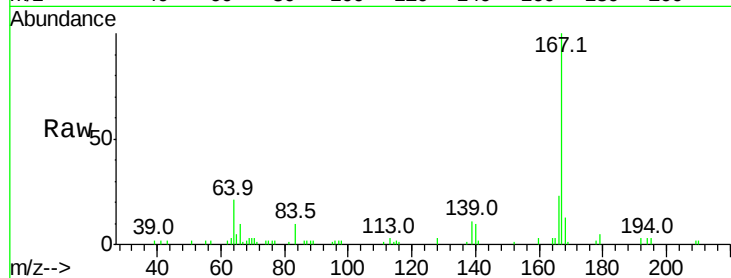
ClientSampleId :

TP-3-D

Tot Ion:	167	Resp:	22133
Ion Ratio	Lower	Upper	
167	100		
166	22.9	17.6	26.4
139	11.3	10.9	16.3

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#74

Fluoranthene

Concen: 43.665 ng

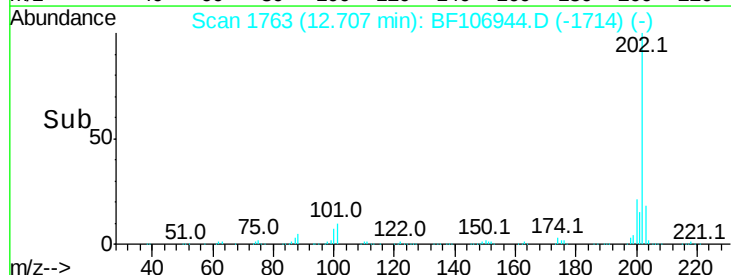
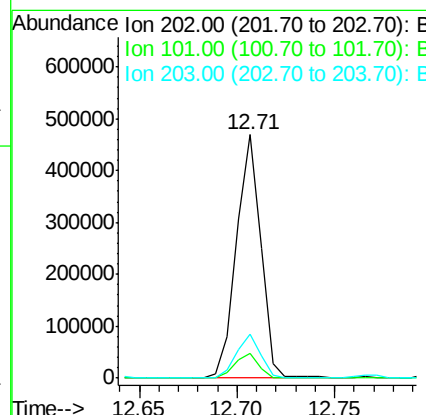
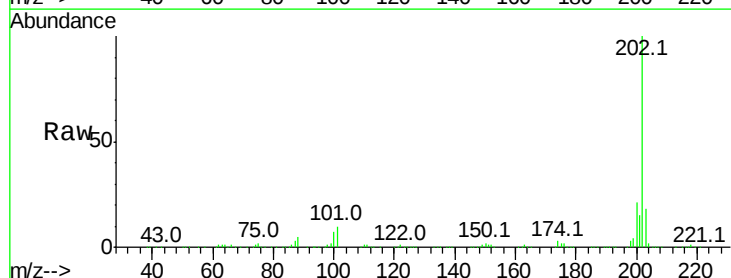
RT: 12.71 min Scan# 1763

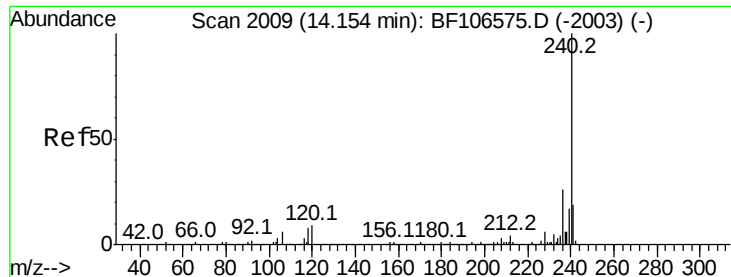
Delta R.T. -0.01 min

Lab File: BF106944.D

Acq: 29 Jun 2018 1:50

Tgt Ion:	202	Resp:	407719
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF106944.D

Acq: 29 Jun 2018 1:50

Instrument :

BNA_F

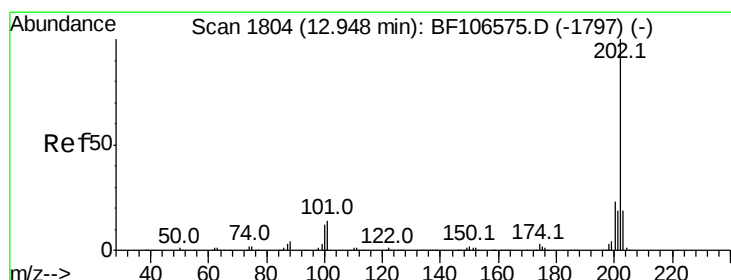
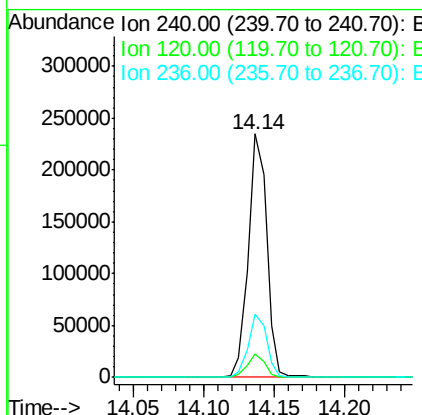
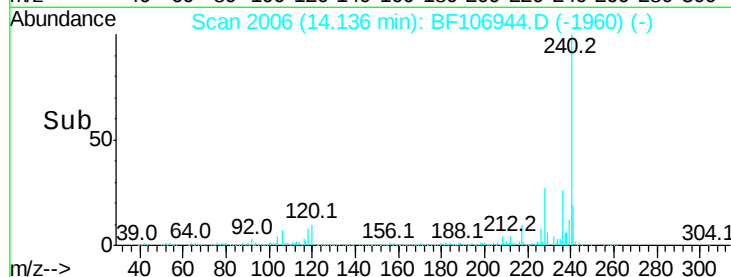
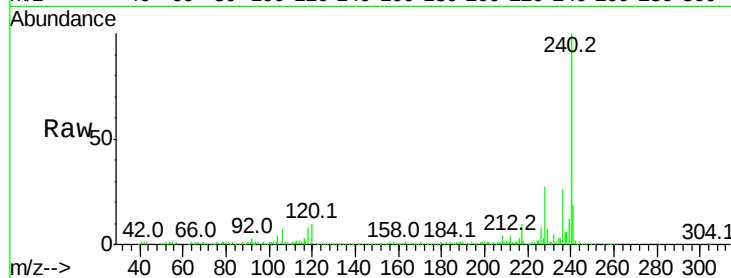
ClientSampleId :

TP-3-D

Tot Ion:	240	Resp:	217459
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.5	14.3
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 26.613 ng

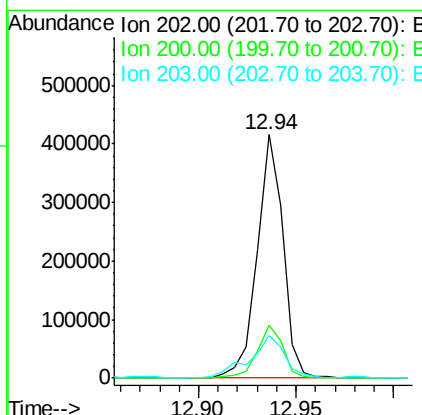
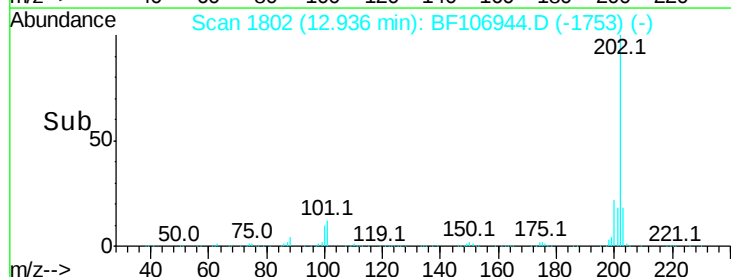
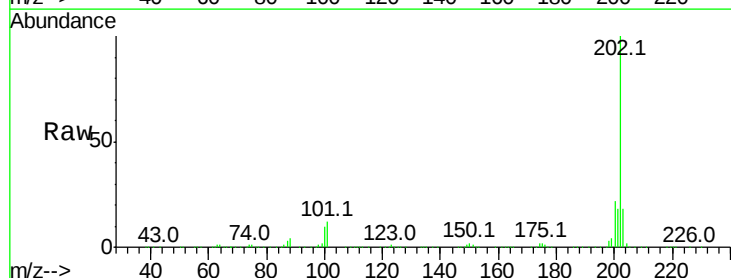
RT: 12.94 min Scan# 1802

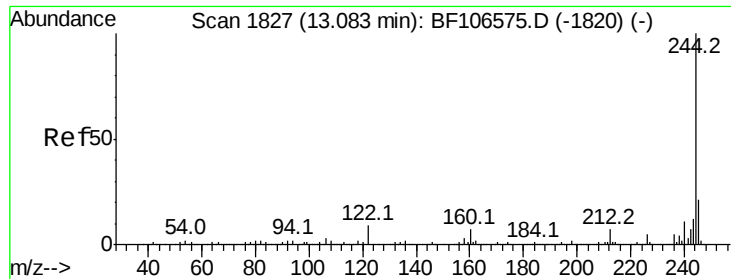
Delta R.T. -0.01 min

Lab File: BF106944.D

Acq: 29 Jun 2018 1:50

Tgt Ion:	202	Resp:	381626
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	17.8	14.3	21.5





#78

Terphenyl-d14

Concen: 28.492 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF106944.D

Acq: 29 Jun 2018 1:50

Instrument :

BNA_F

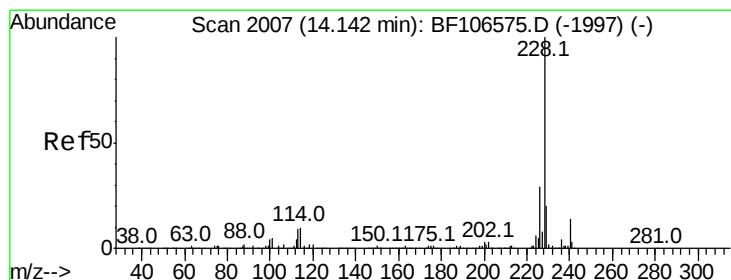
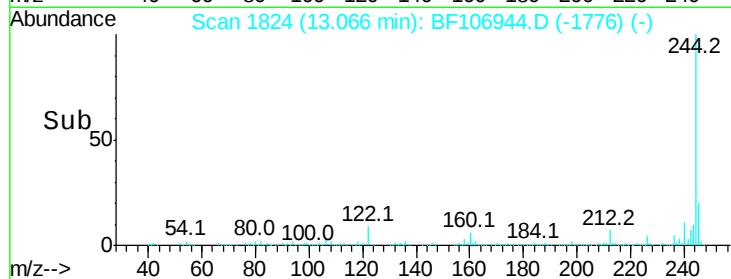
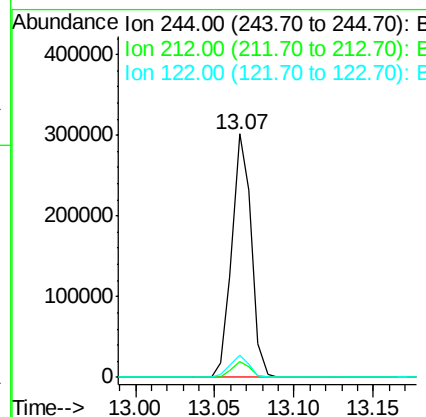
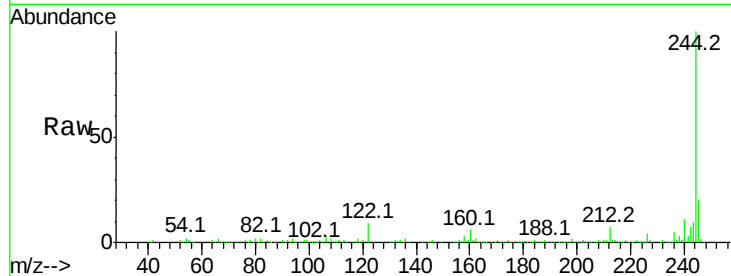
ClientSampleId :

TP-3-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 15.719 ng

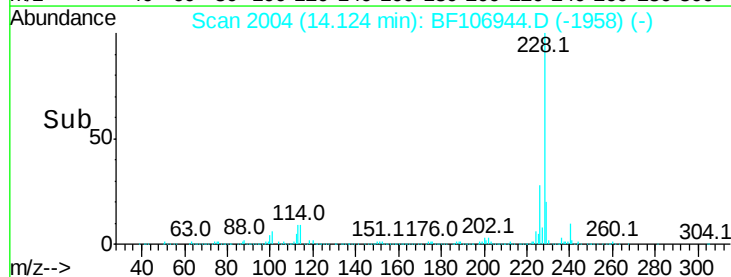
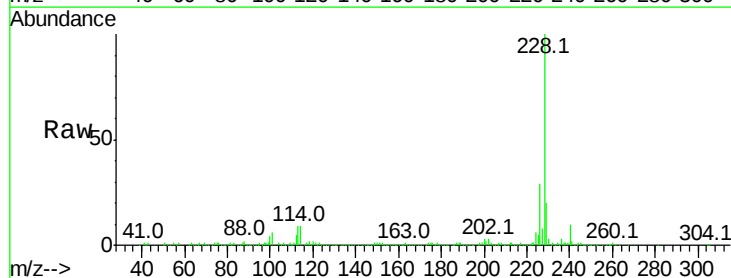
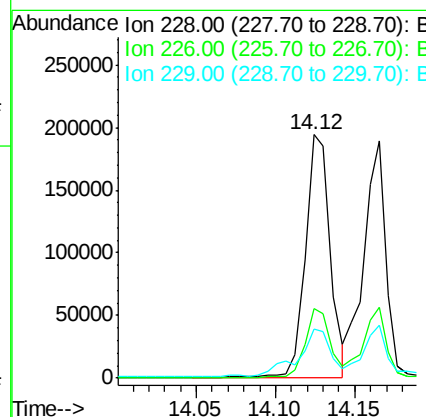
RT: 14.12 min Scan# 2004

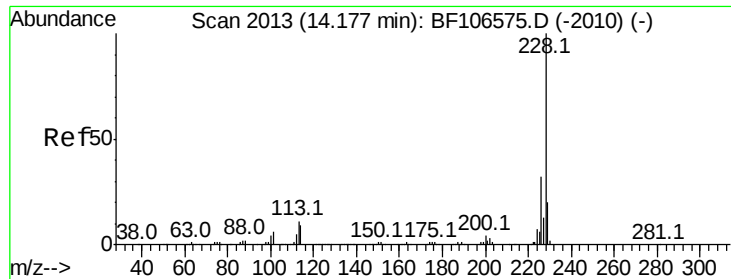
Delta R.T. -0.03 min

Lab File: BF106944.D

Acq: 29 Jun 2018 1:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.4	15.8	23.6





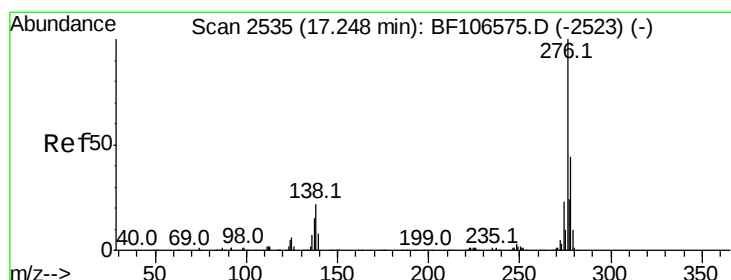
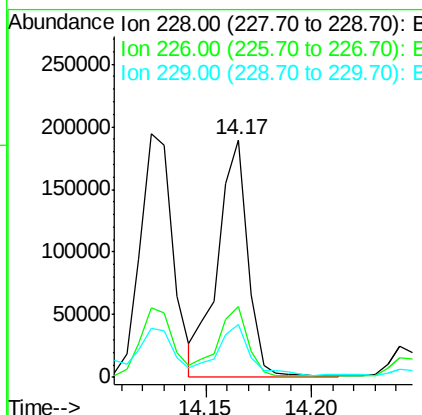
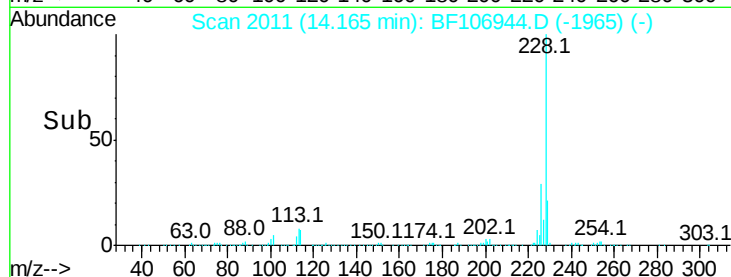
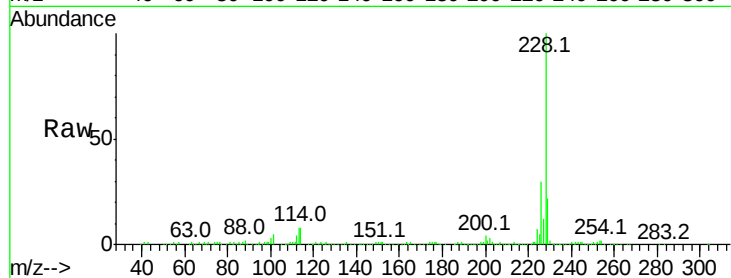
#82
Chrysene
Concen: 15.297 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Instrument :
BNA_F
ClientSampleId :
TP-3-D

Tot Ion	Ratio	Resp	Lower	Upper
228	100	186519		
226	29.6	25.0	37.6	
229	22.1	16.2	24.4	

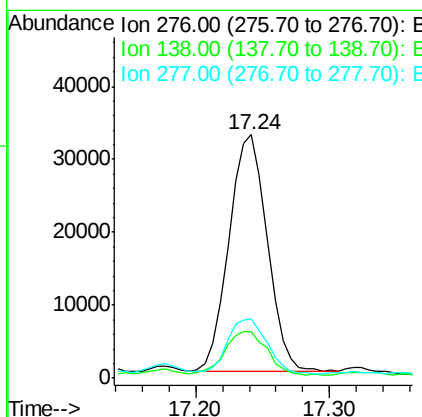
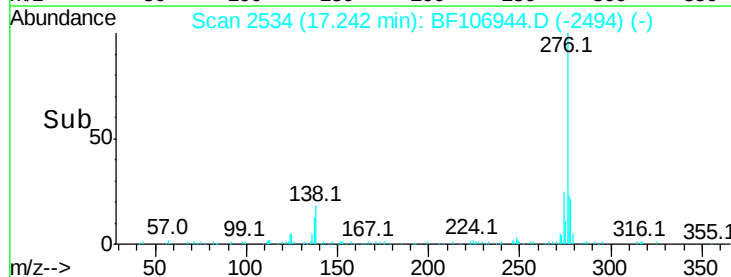
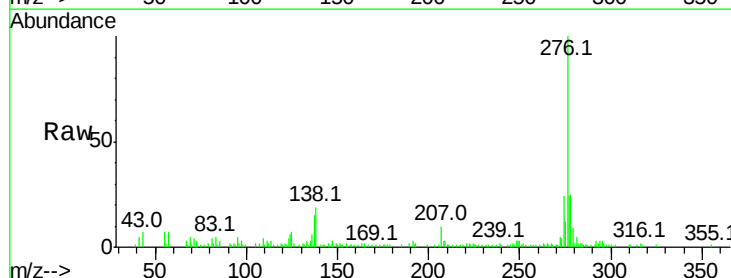
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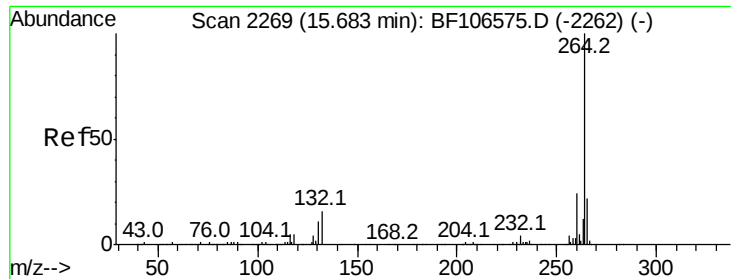
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.278 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.06 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	64966		
138	20.2	25.0	37.6#	
277	24.0	20.1	30.1	





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2267

Delta R.T. -0.05 min

Lab File: BF106944.D

Acq: 29 Jun 2018 1:50

Instrument :

BNA_F

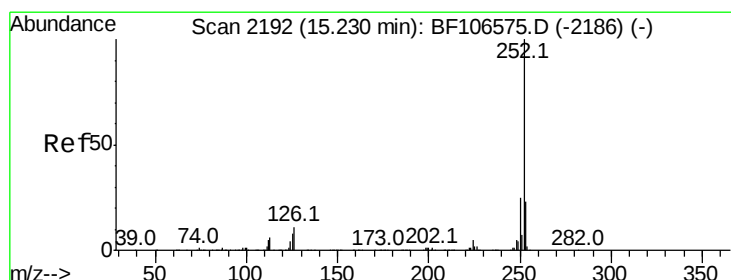
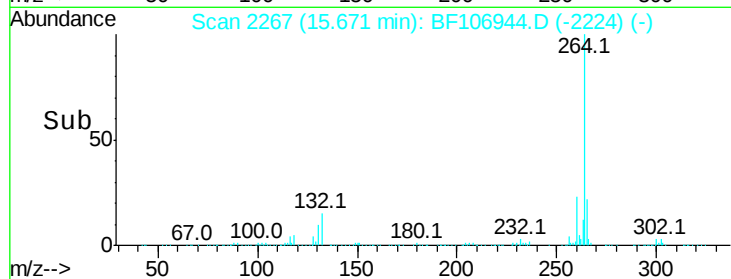
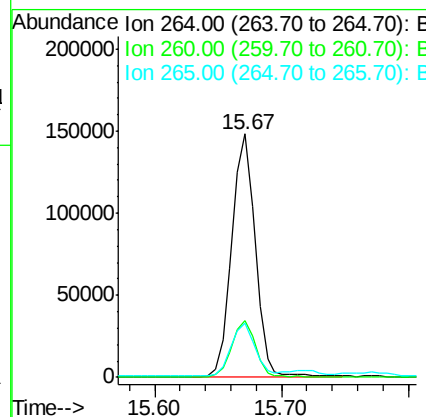
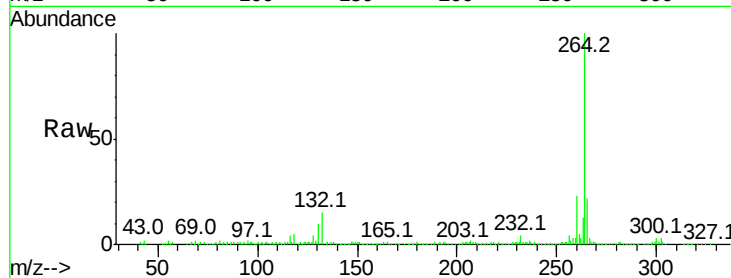
ClientSampleId :

TP-3-D

Tot Ion:	264	Resp:	188938
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	22.2	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 16.252 ng m

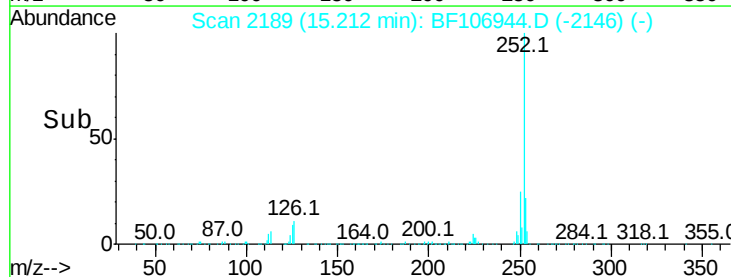
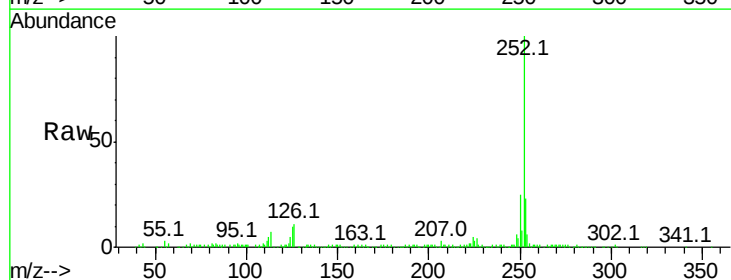
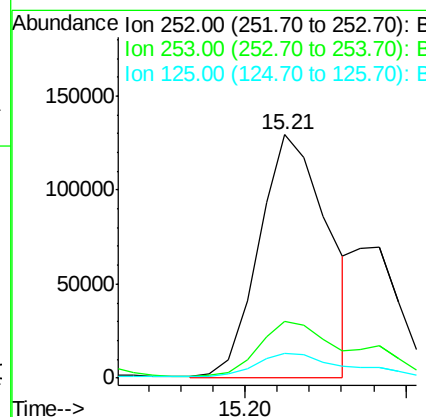
RT: 15.21 min Scan# 2189

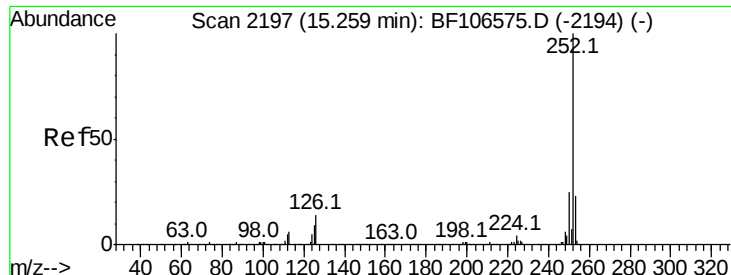
Delta R.T. -0.05 min

Lab File: BF106944.D

Acq: 29 Jun 2018 1:50

Tgt Ion:	252	Resp:	190741
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	10.0	9.0	13.6





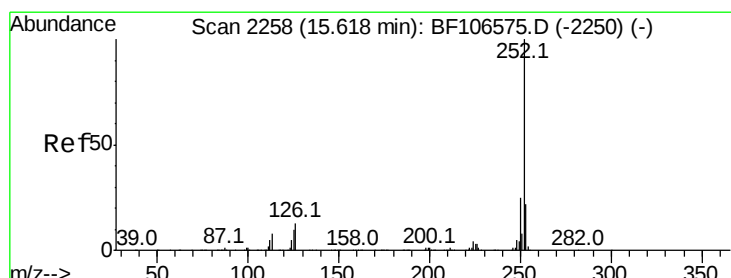
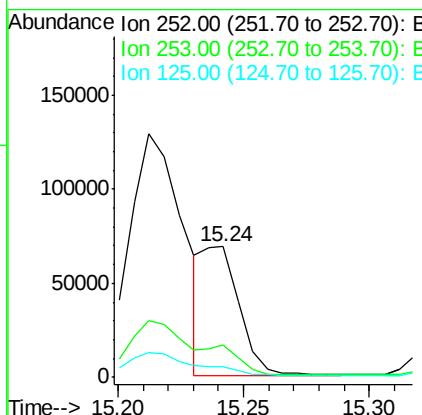
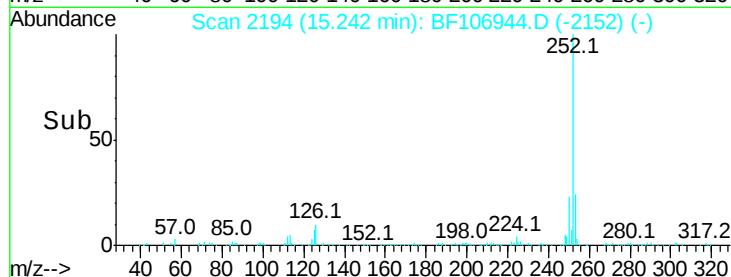
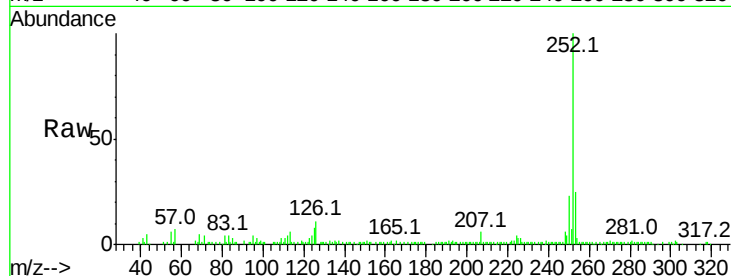
#88
Benzo(k)fluoranthene
Concen: 6.287 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Instrument :
BNA_F
ClientSampleId :
TP-3-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	8.1	10.2	15.2#

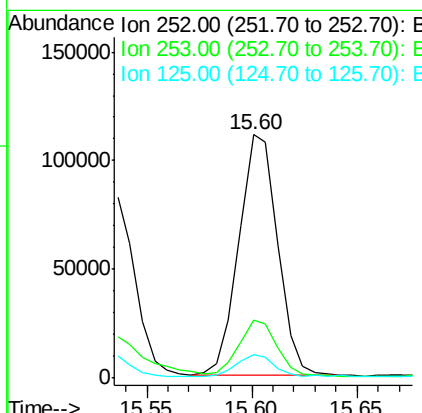
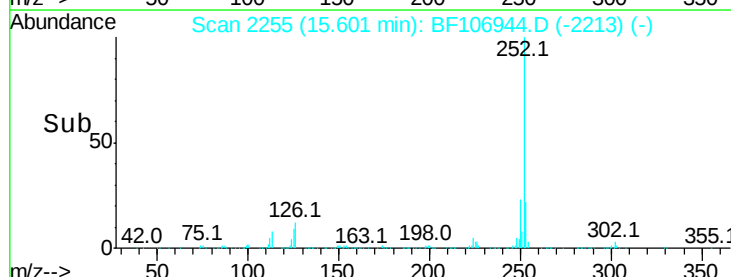
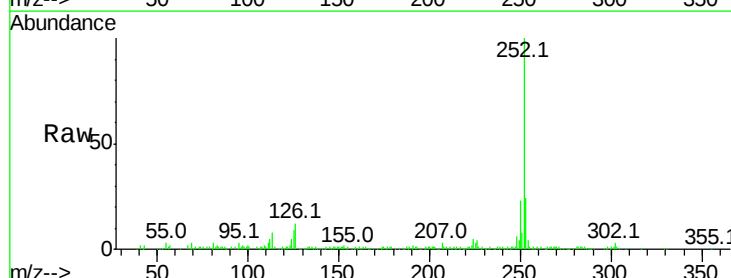
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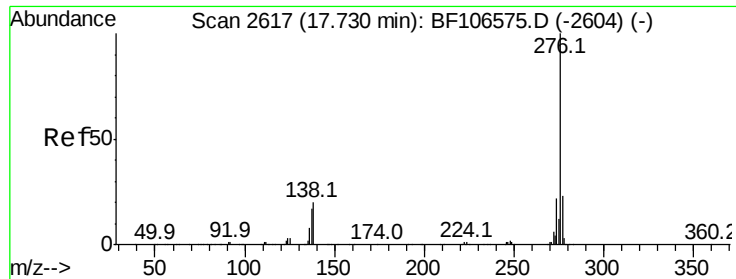
Sohil
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#89
Benzo(a)pyrene
Concen: 13.618 ng m
RT: 15.60 min Scan# 2255
Delta R.T. -0.05 min
Lab File: BF106944.D
Acq: 29 Jun 2018 1:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	9.5	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 8.551 ng
 RT: 17.72 min Scan# 2616
 Delta R.T. -0.06 min
 Lab File: BF106944.D
 Acq: 29 Jun 2018 1:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-3-D

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	17.6	21.8	32.8

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