

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
 Data File : BF107268.D
 Acq On : 10 Jul 2018 13:15
 Operator : JU/SJ
 Sample : J3879-15RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-8RE

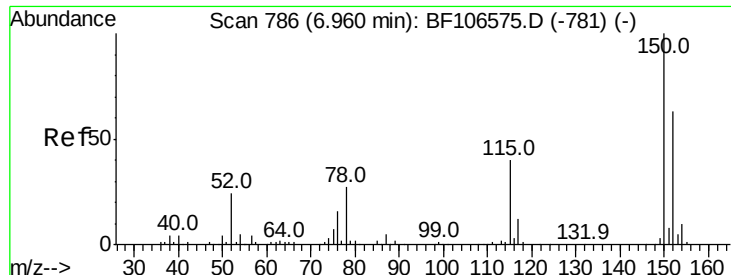
Manual Integrations
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 7/11/2018 11:22:31 AM

Quant Time: Jul 10 15:49:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	36360	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	123079	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	54851	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	116259	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	121356	20.00	ng	-0.02
86) Perylene-d12	15.68	264	93670	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	216568	100.86	ng	-0.02
7) Phenol-d6	6.59	99	257748	96.12	ng	-0.02
23) Nitrobenzene-d5	7.51	82	158811	71.71	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	70686	111.19	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	272220	83.79	ng	-0.03
78) Terphenyl-d14	13.07	244	371643	74.18	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.24	128	12247	2.128	ng	97
48) Acenaphthylene	9.85	152	11707	2.155	ng	98
49) Dimethylphthalate	9.69	163	51042	12.407	ng	100
70) Phenanthrene	11.50	178	98377	17.544	ng	98
71) Anthracene	11.55	178	32001	5.591	ng	99
72) Carbazole	11.71	167	11391	2.126	ng	97
74) Fluoranthene	12.70	202	218396	35.336	ng	96
77) Pyrene	12.94	202	209631	26.195	ng	99
80) Benzo(a)anthracene	14.13	228	129461	17.503	ng	100
82) Chrysene	14.17	228	123809	18.195	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	15316	3.641	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.27	276	50415	8.731	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	147571m	25.361	ng	
88) Benzo(k)fluoranthene	15.25	252	39291m	7.091	ng	
89) Benzo(a)pyrene	15.62	252	89120	17.229	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	14794	3.375	ng	# 87
91) Benzo(a,h,i)perylene	17.76	276	49071	11.452	ng	# 88

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



#1

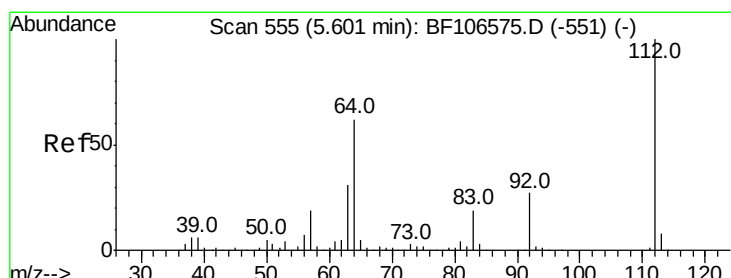
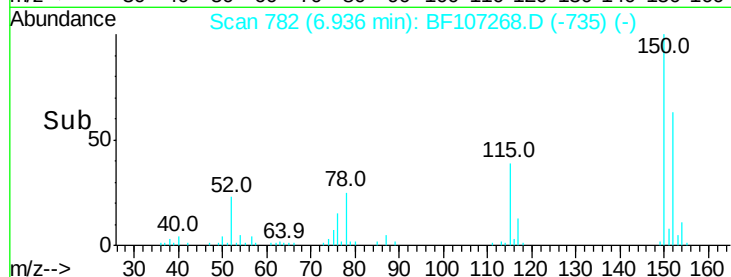
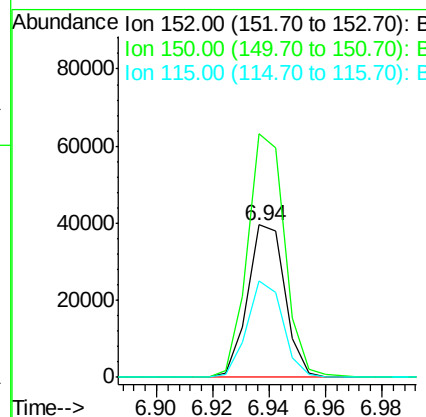
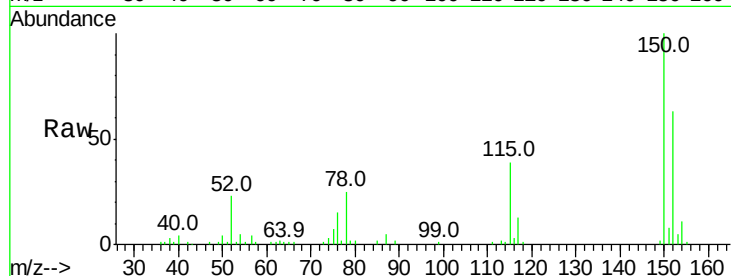
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	62.8	50.1	75.1

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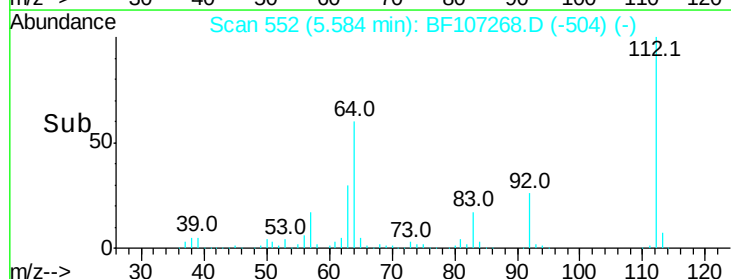
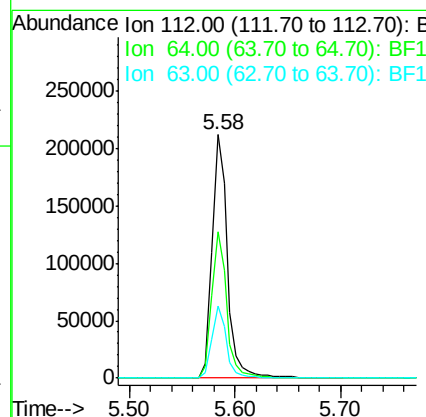
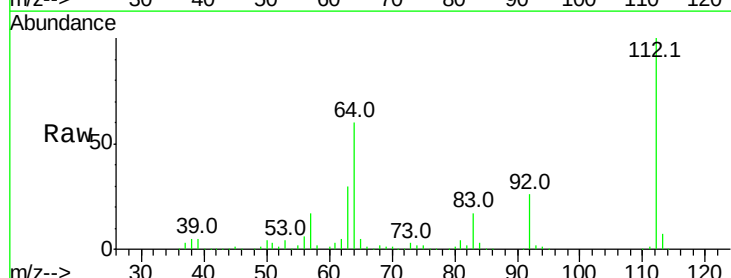
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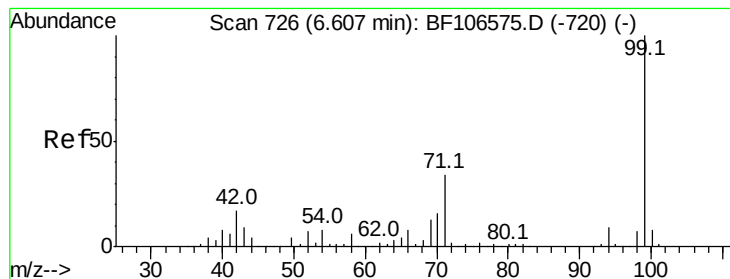


#5

2-Fluorophenol
Concen: 100.858 ng
RT: 5.58 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 96.120 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Instrument :

BNA_F

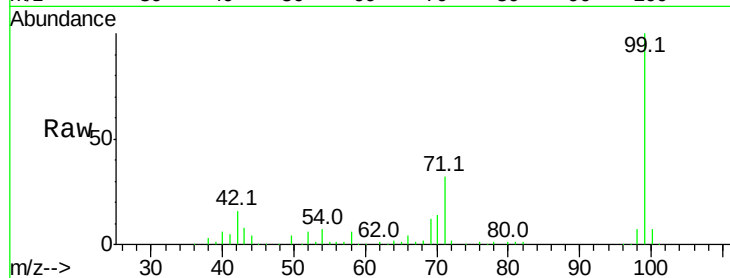
ClientSampleId :

SURCHARGE-SP-8RE

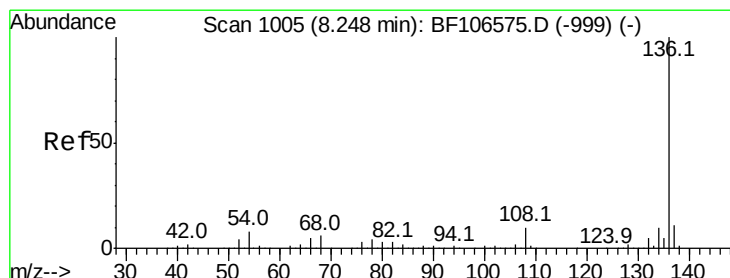
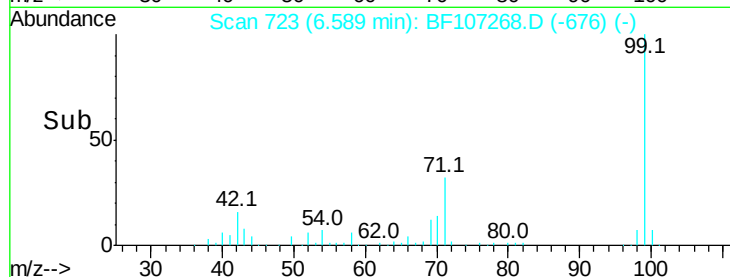
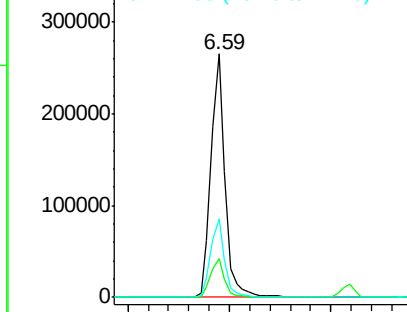
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		257748		
42	15.8	14.5	21.7		
71	32.4	25.4	38.0		

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1001

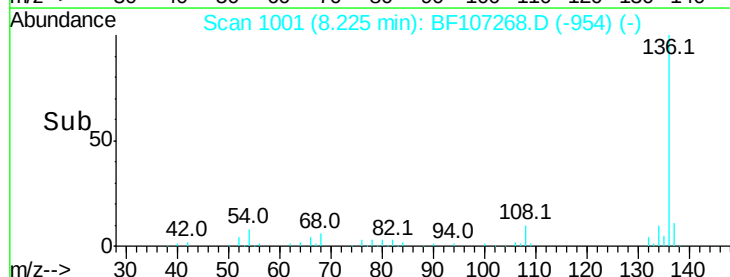
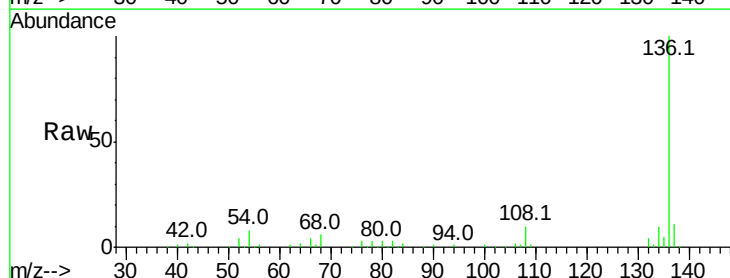
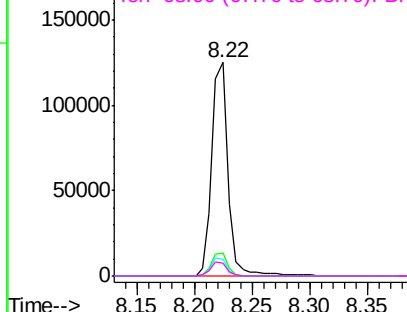
Delta R.T. -0.02 min

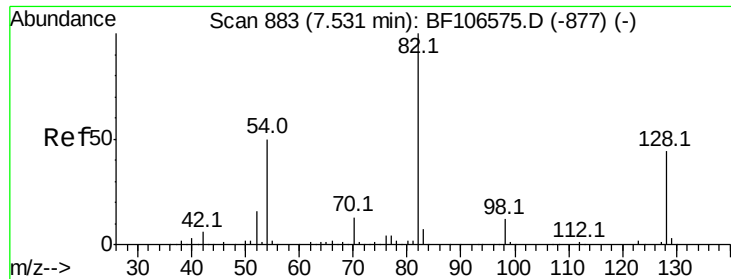
Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		123079		
137	10.7	8.9	13.3		
54	7.6	6.6	9.8		
68	6.0	5.0	7.4		

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





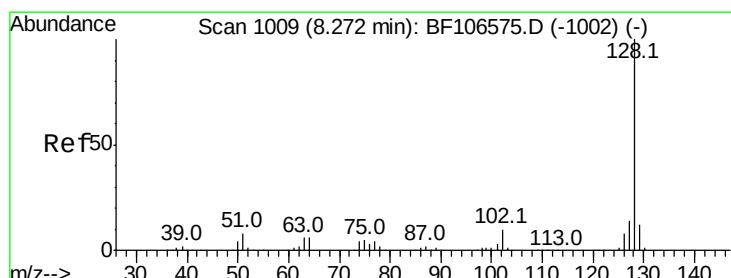
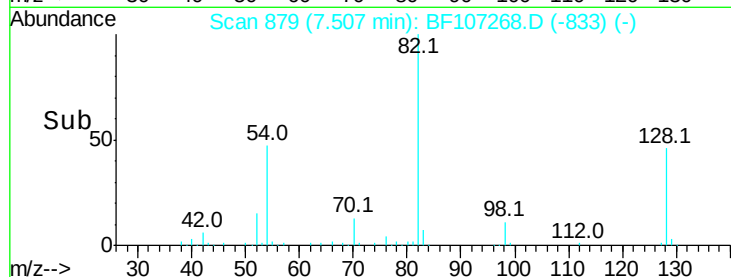
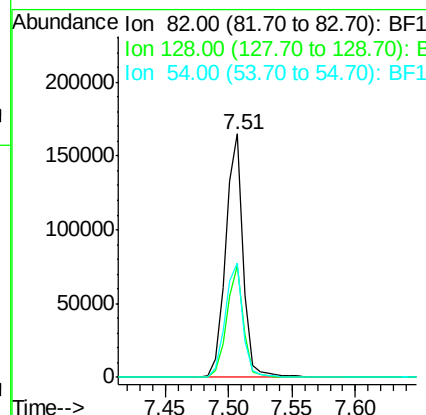
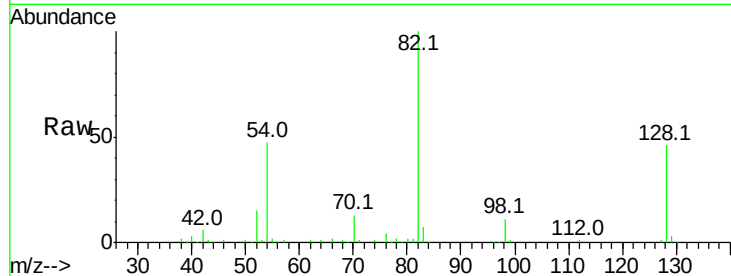
#23
 Nitrobenzene-d5
 Concen: 71.708 ng
 RT: 7.51 min Scan# 879
 Delta R.T. -0.03 min
 Lab File: BF107268.D
 Acq: 10 Jul 2018 13:15

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-8RE

Tot Ion:	82	Resp:	158811
Ion Ratio	Lower	Upper	
82	100		
128	45.7	36.1	54.1
54	47.1	41.4	62.2

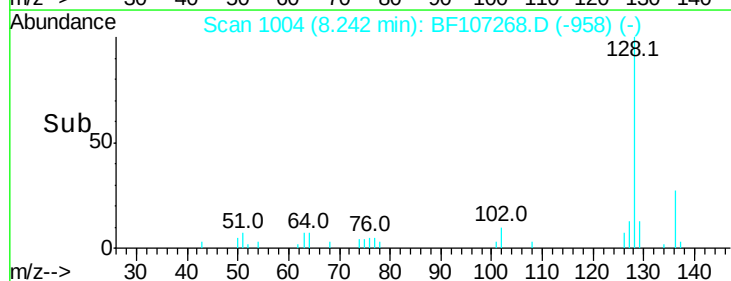
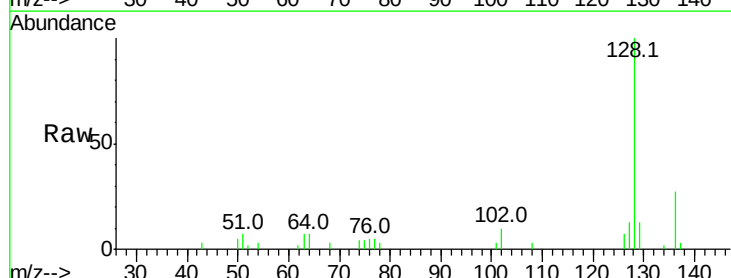
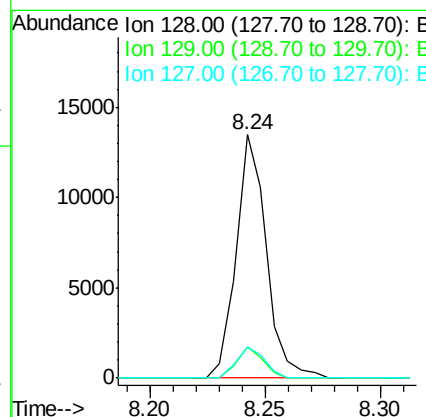
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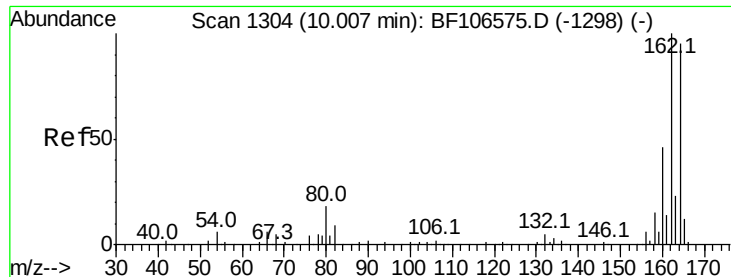
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#31
 Naphthalene
 Concen: 2.128 ng
 RT: 8.24 min Scan# 1004
 Delta R.T. -0.03 min
 Lab File: BF107268.D
 Acq: 10 Jul 2018 13:15

Tgt Ion:	128	Resp:	12247
Ion Ratio	Lower	Upper	
128	100		
129	12.8	8.8	13.2
127	12.7	10.9	16.3





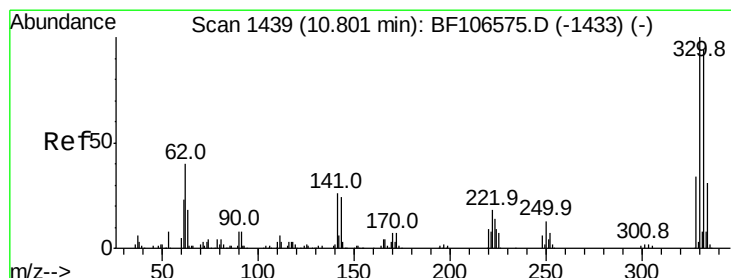
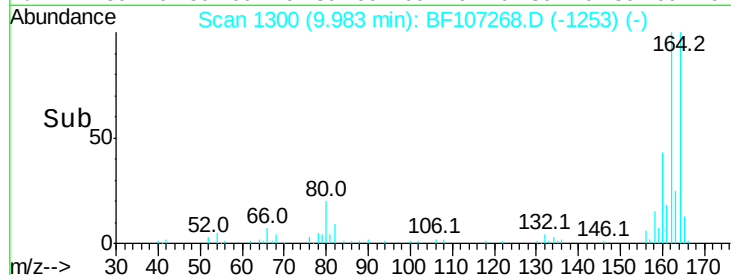
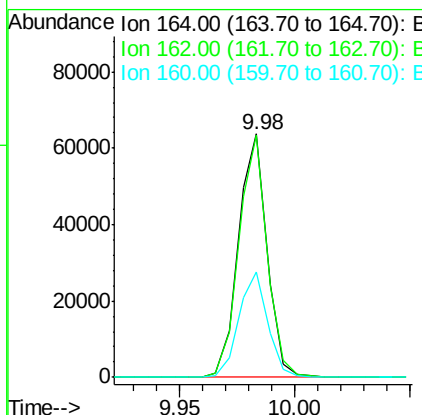
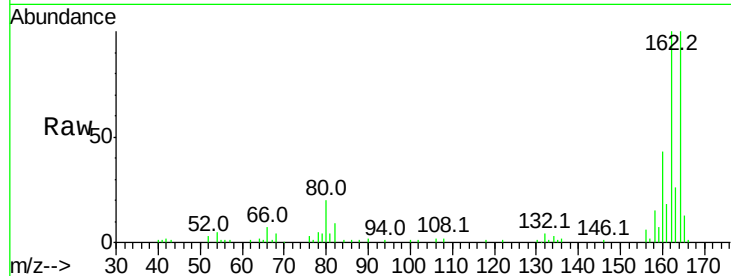
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF107268.D
 Acq: 10 Jul 2018 13:15

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-8RE

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.6	86.1	129.1
160	43.4	38.3	57.5

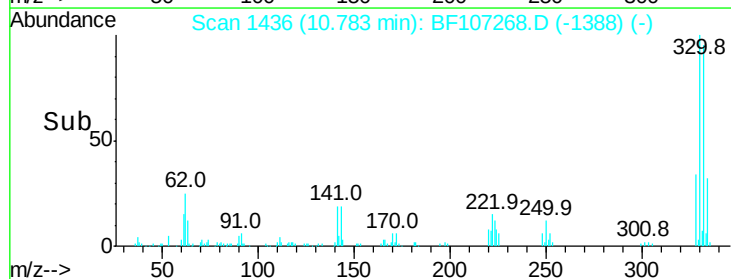
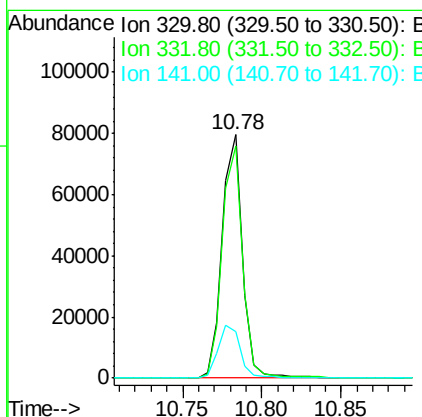
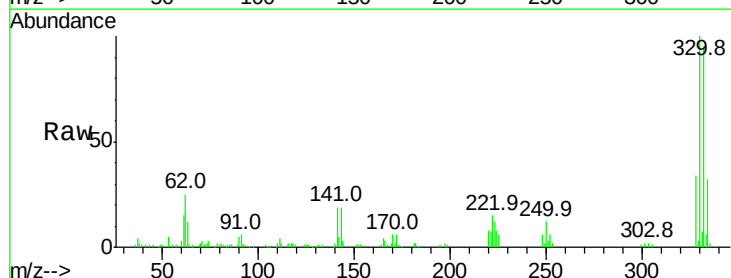
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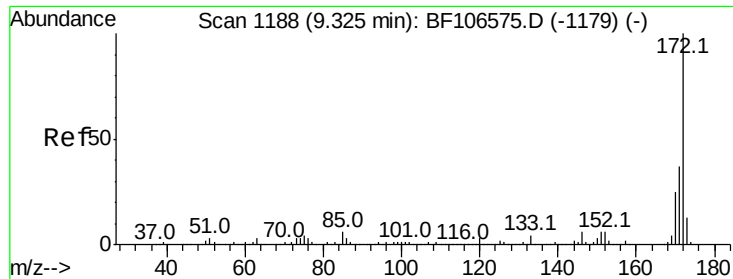
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#41
 2,4,6-Tribromophenol
 Concen: 111.187 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107268.D
 Acq: 10 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	23.5	29.9	44.9#





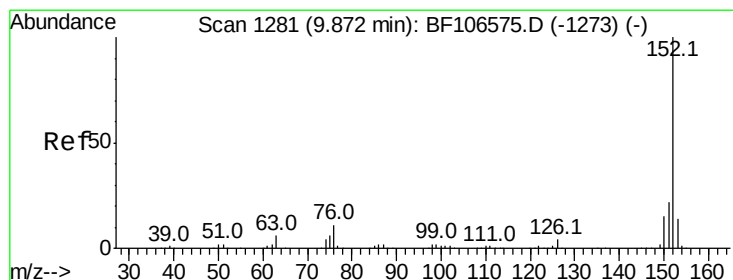
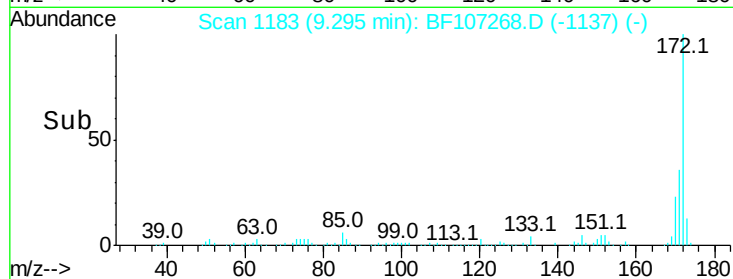
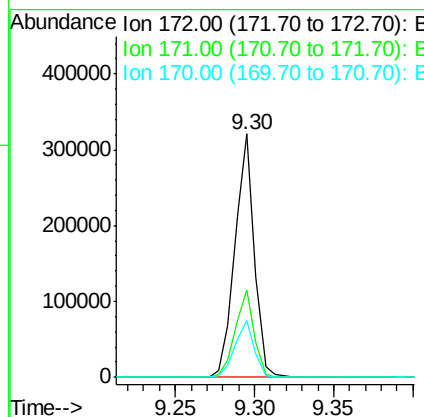
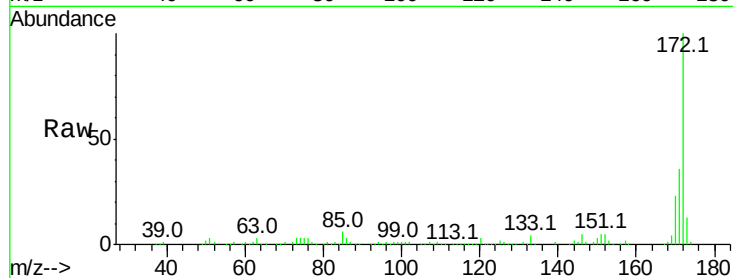
#44
2-Fluorobiphenyl
Concen: 83.794 ng
RT: 9.30 min Scan# 1183
Delta R.T. -0.03 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8RE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	272220		
171	35.7		29.7	44.5
170	23.5		19.6	29.4

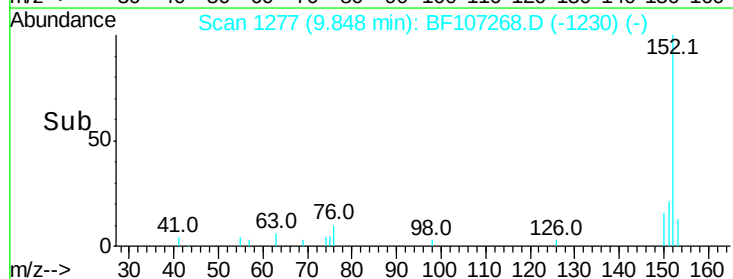
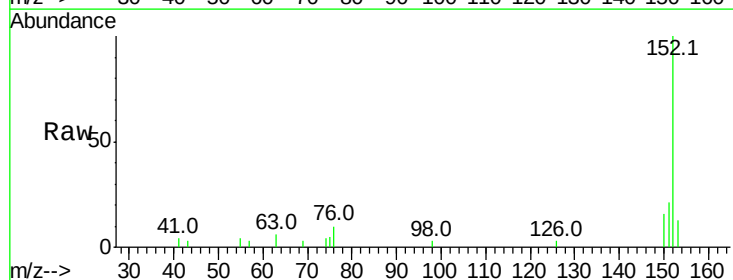
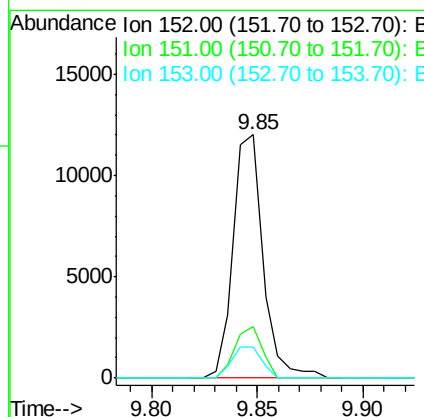
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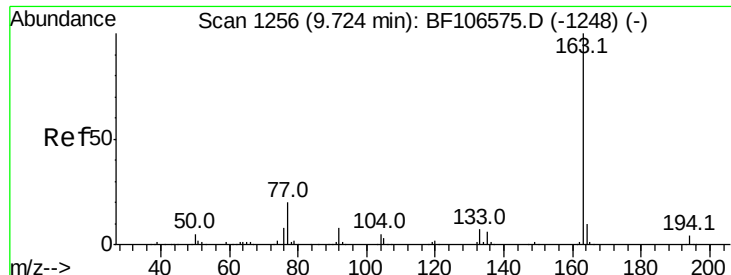
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#48
Acenaphthylene
Concen: 2.155 ng
RT: 9.85 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	11707		
151	21.1		16.3	24.5
153	12.8		10.7	16.1





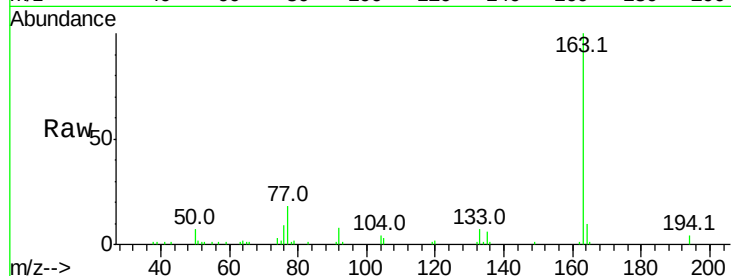
#49
Dimethylphthalate
Concen: 12.407 ng
RT: 9.69 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8RE

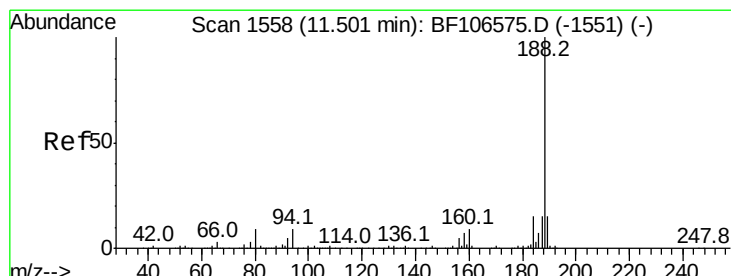
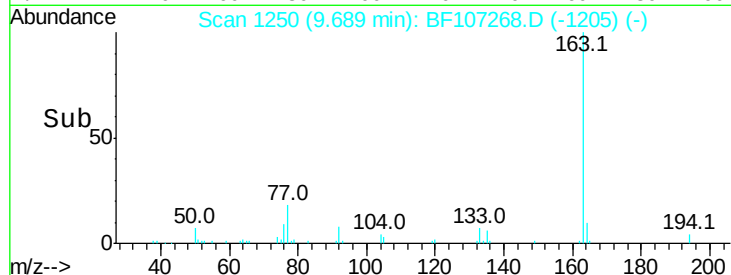
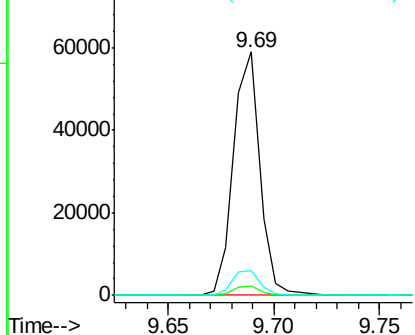
Tot Ion	Ratio	Resp	Lower	Upper
163	100	51042		
194	3.7		2.7	4.1
164	10.3		8.2	12.2

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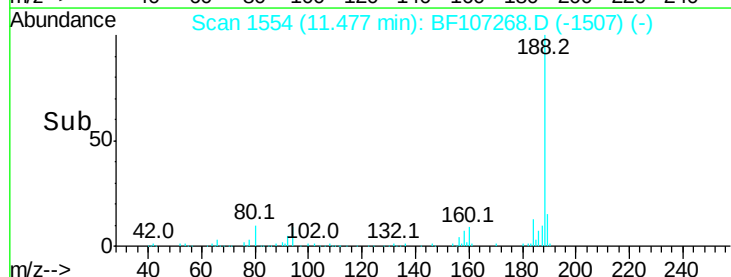
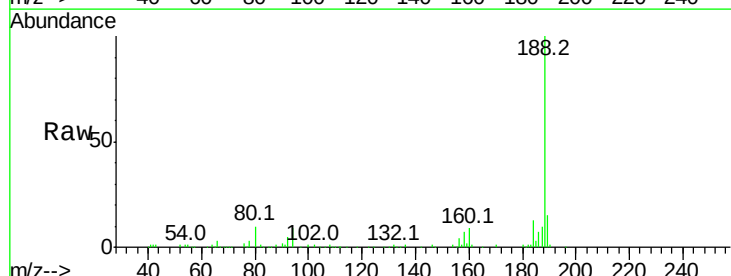
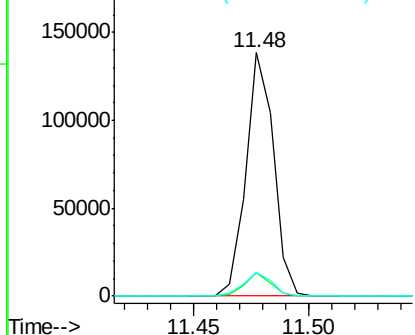
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

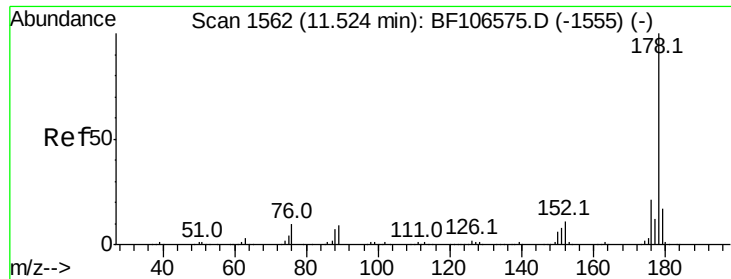


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	116259		
94	9.5		8.5	12.7
80	9.8		9.2	13.8

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





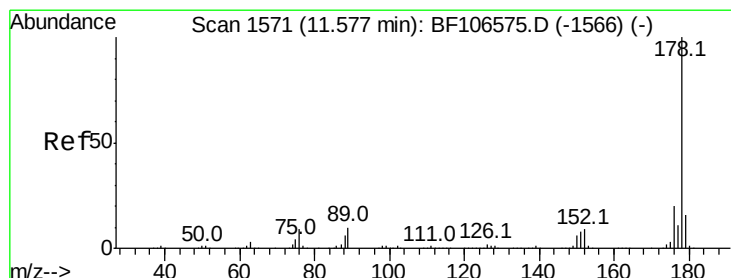
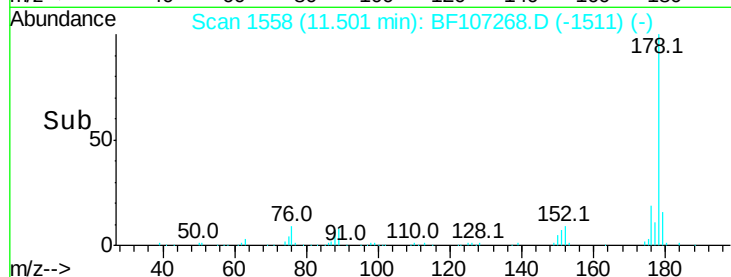
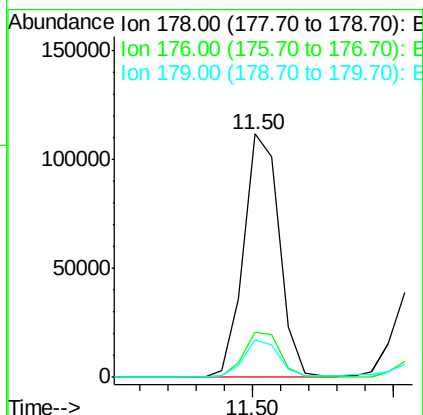
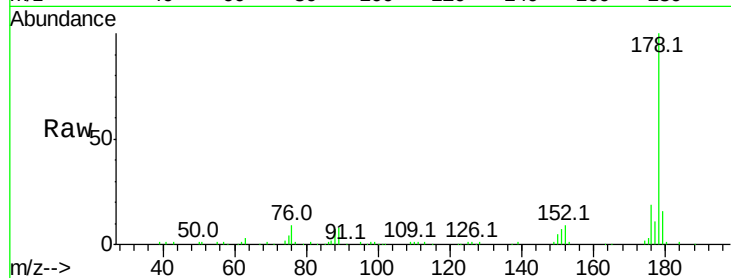
#70
Phenanthrene
Concen: 17.544 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.6	13.0	19.6

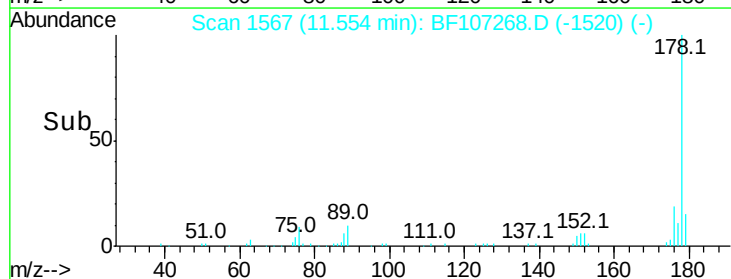
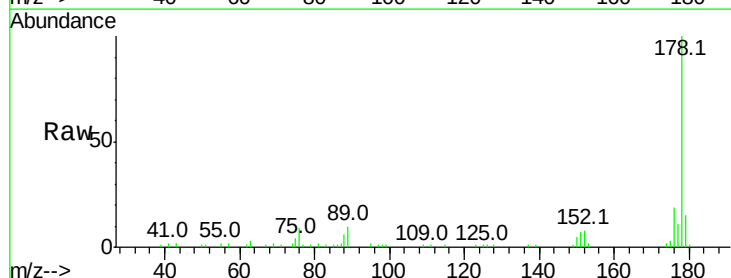
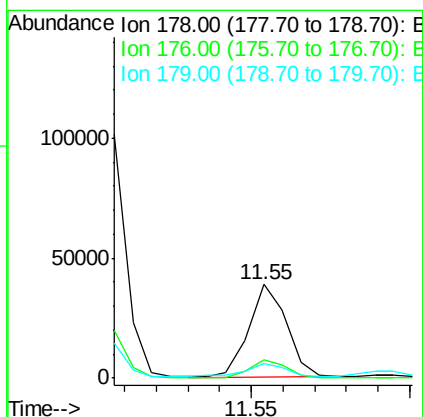
Manual Integrations
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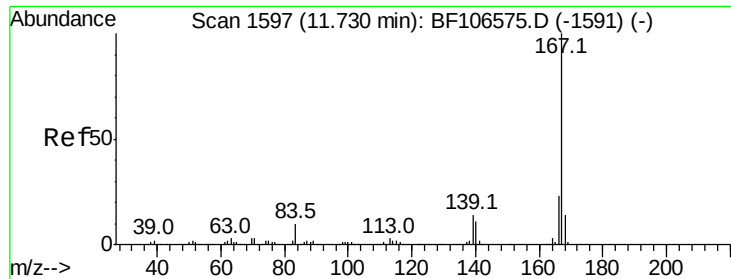
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#71
Anthracene
Concen: 5.591 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.0	12.6	19.0





#72

Carbazole

Concen: 2.126 ng

RT: 11.71 min Scan# 1594

Delta R.T. -0.02 min

Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Instrument :

BNA_F

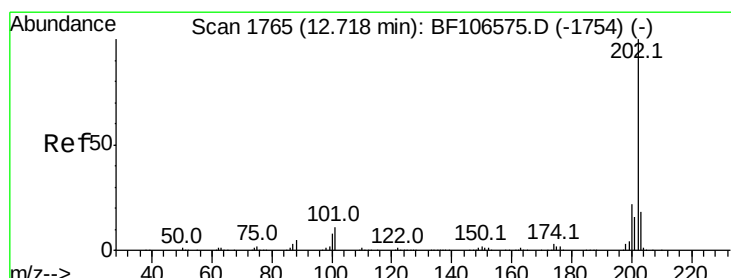
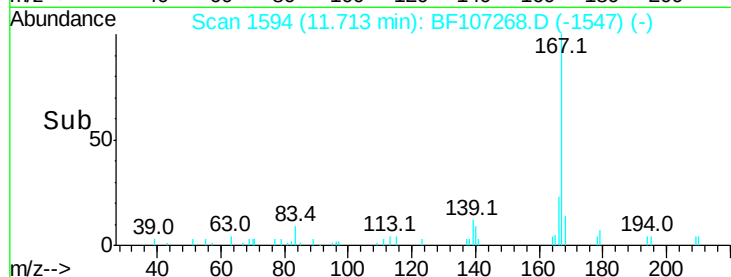
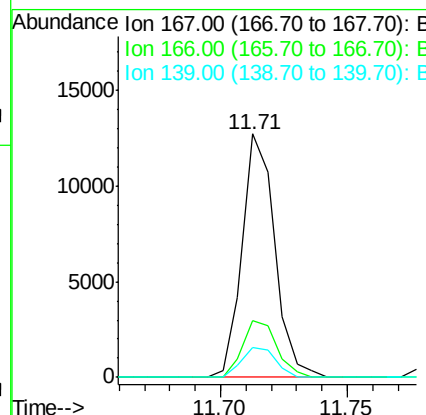
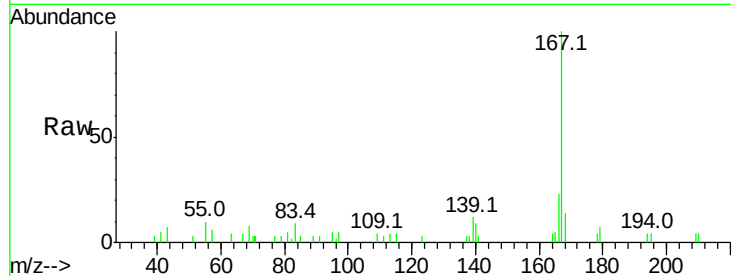
ClientSampleId :

SURCHARGE-SP-8RE

Tot Ion:	167	Resp:	11391
Ion	Ratio	Lower	Upper
167	100		
166	23.2	17.6	26.4
139	12.3	10.9	16.3

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#74

Fluoranthene

Concen: 35.336 ng

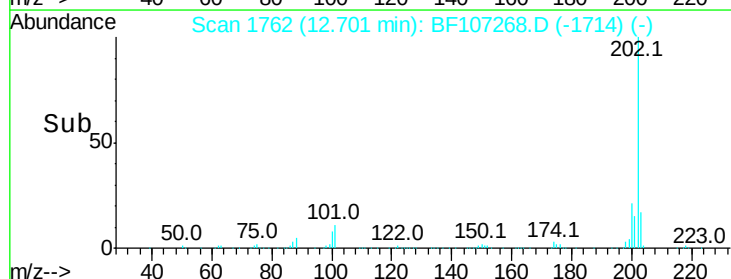
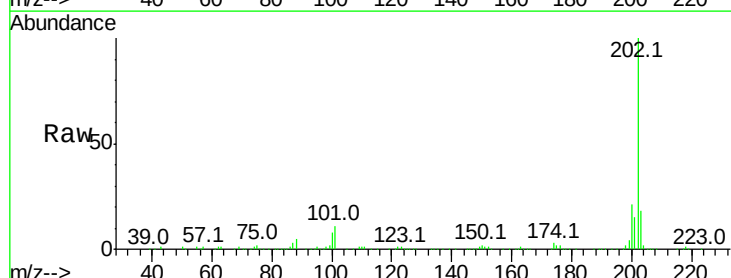
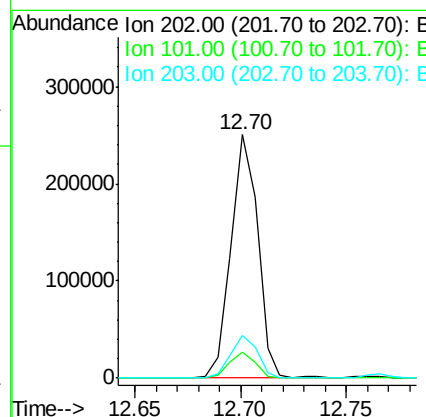
RT: 12.70 min Scan# 1762

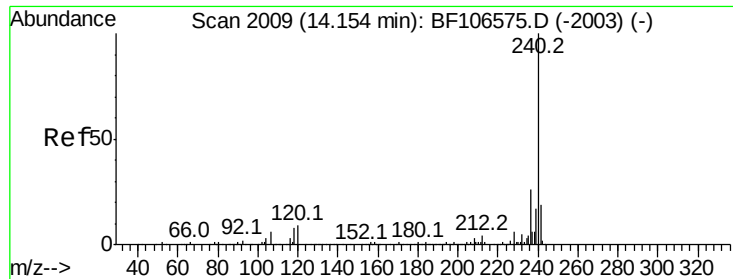
Delta R.T. -0.02 min

Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Tgt Ion:	202	Resp:	218396
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Instrument :

BNA_F

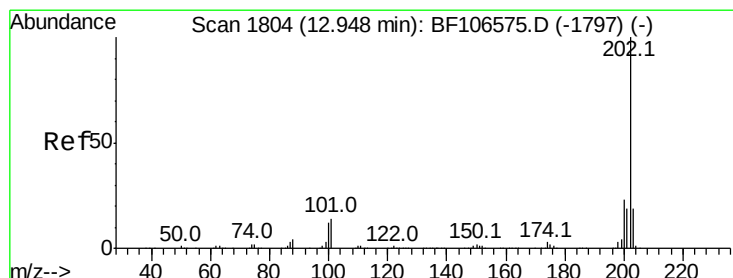
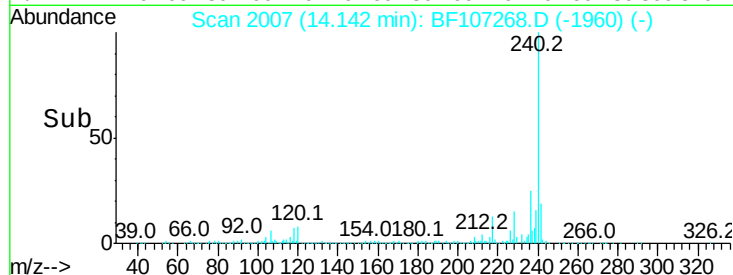
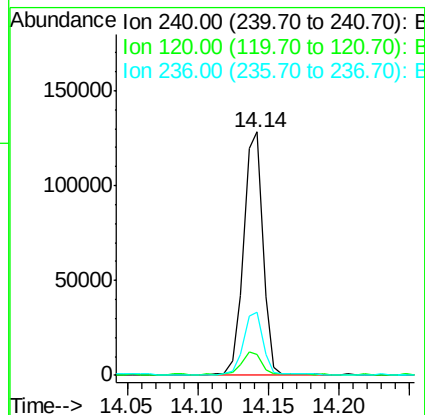
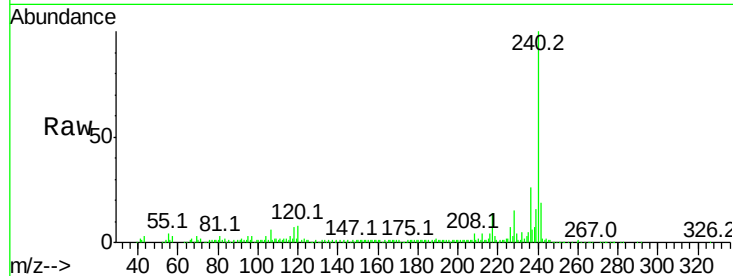
ClientSampleId :

SURCHARGE-SP-8RE

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	8.4	9.5	14.3	
236	25.7	20.7	31.1	

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#77

Pyrene

Concen: 26.195 ng

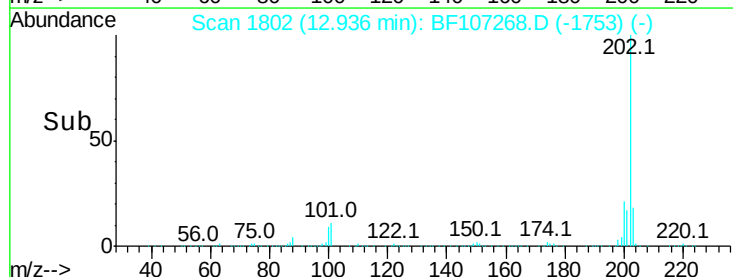
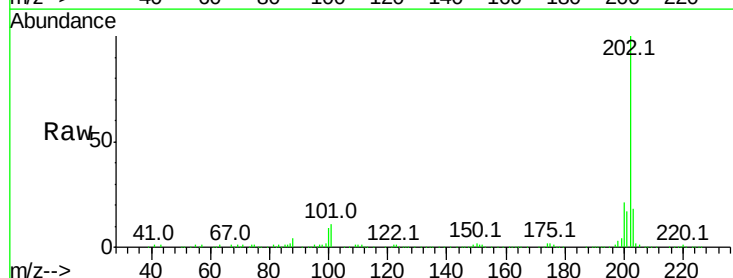
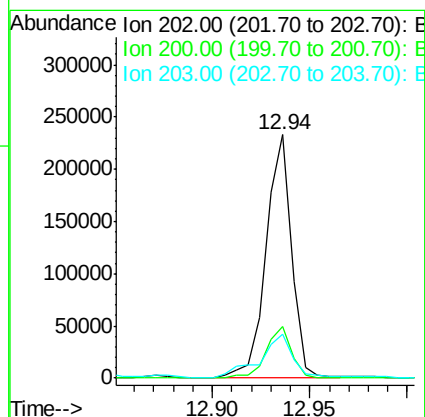
RT: 12.94 min Scan# 1802

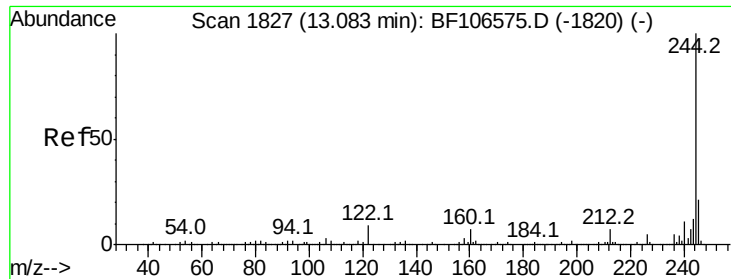
Delta R.T. -0.01 min

Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	17.4	26.2	
203	18.0	14.3	21.5	





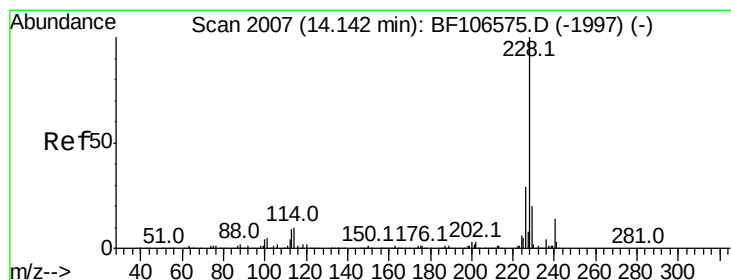
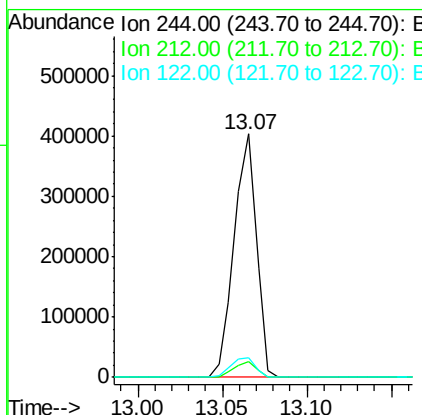
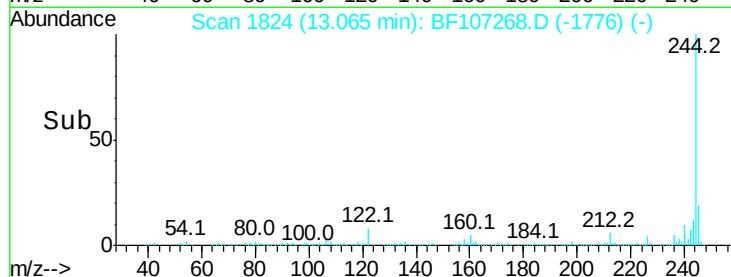
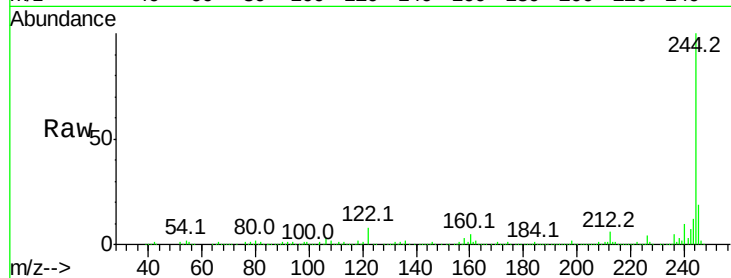
#78
 Terphenyl-d14
 Concen: 74.181 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107268.D
 Acq: 10 Jul 2018 13:15

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-8RE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.2	11.0	16.4

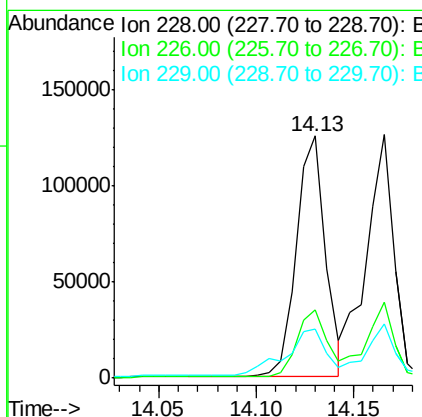
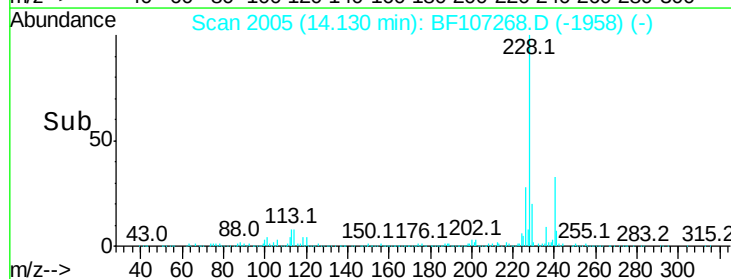
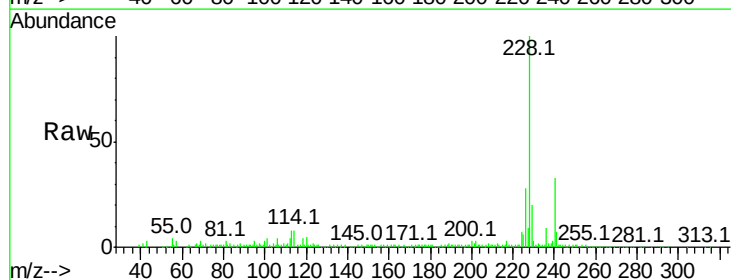
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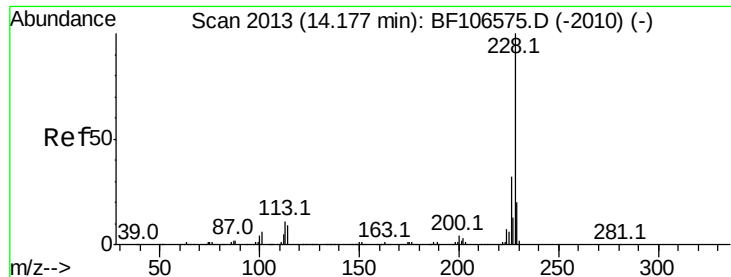
Sohil
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#80
 Benzo(a)anthracene
 Concen: 17.503 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107268.D
 Acq: 10 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.1	15.8	23.6





#82

Chrysene

Concen: 18.195 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Instrument :

BNA_F

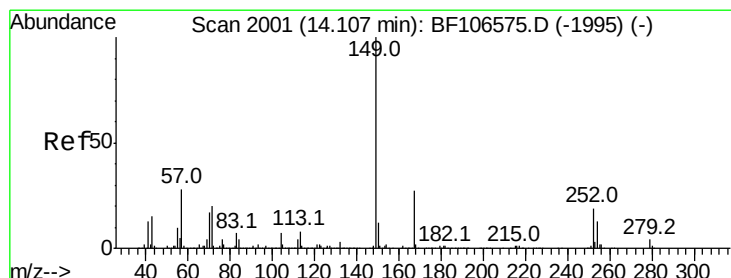
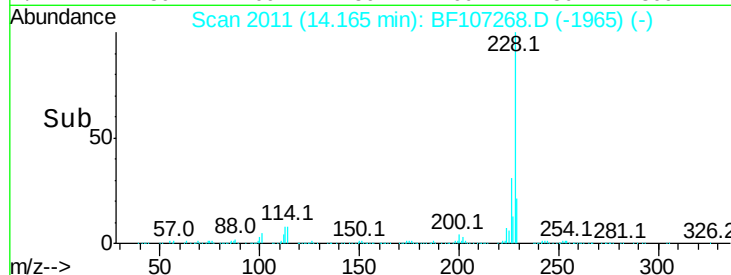
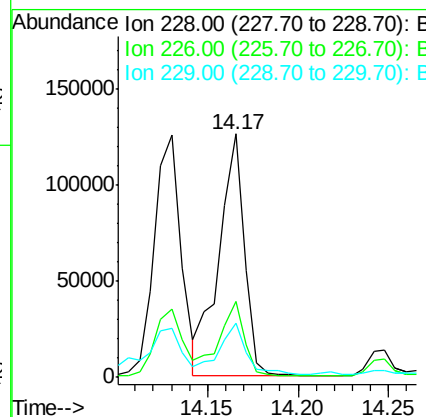
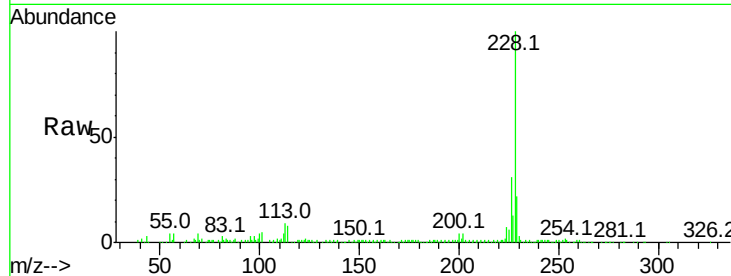
ClientSampleId :

SURCHARGE-SP-8RE

Tot Ion:	228	Resp:	123809
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	22.2	16.2	24.4

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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.641 ng

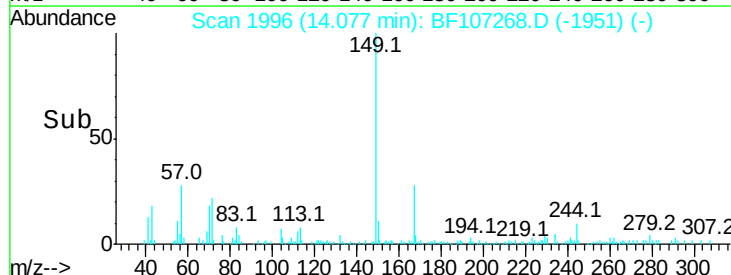
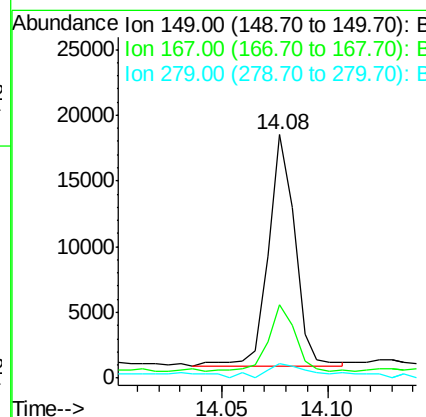
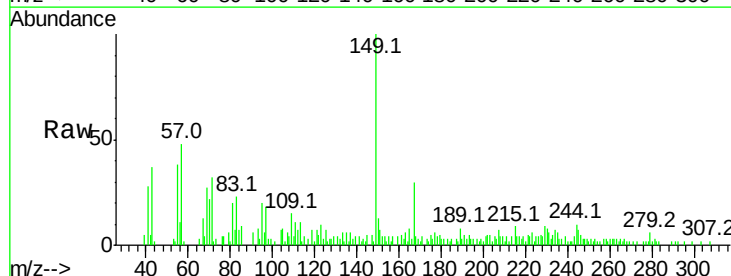
RT: 14.08 min Scan# 1996

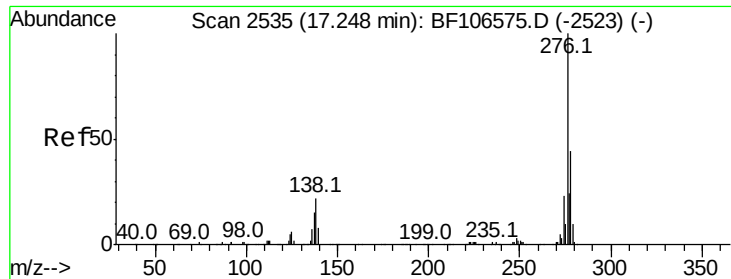
Delta R.T. -0.04 min

Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Tgt Ion:	149	Resp:	15316
Ion Ratio	Lower	Upper	
149	100		
167	30.0	21.3	31.9
279	5.8	3.0	4.4#





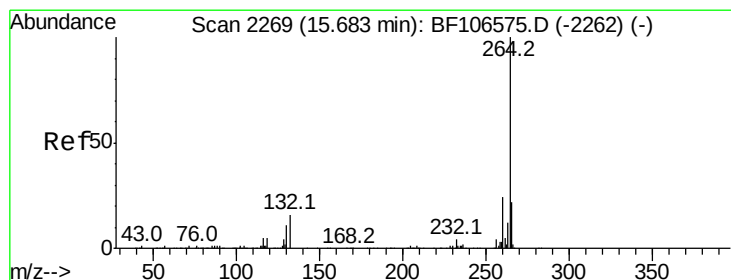
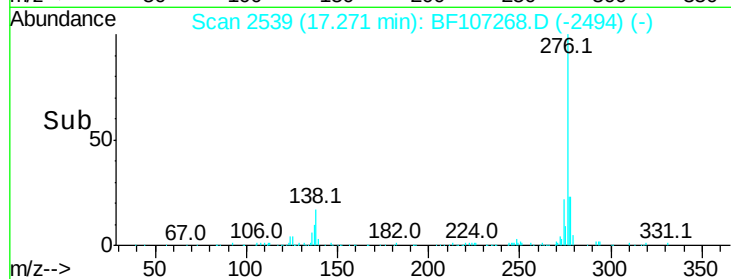
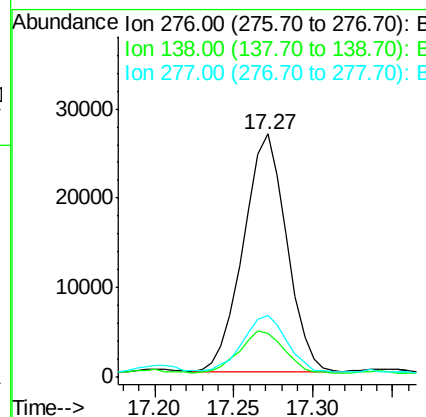
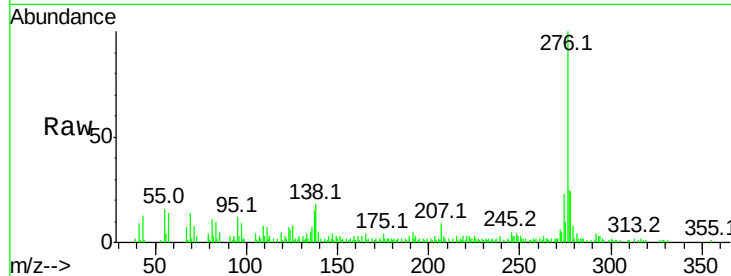
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.731 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.04 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8RE

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	25.0	37.6#
277	24.8	20.1	30.1

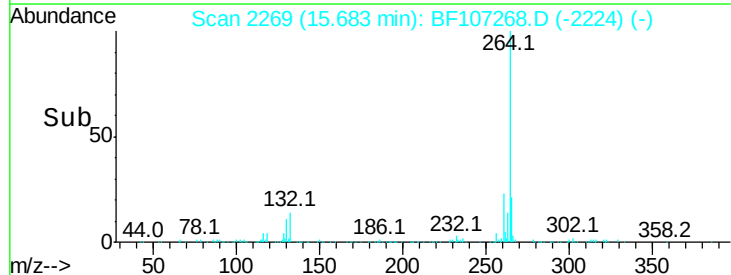
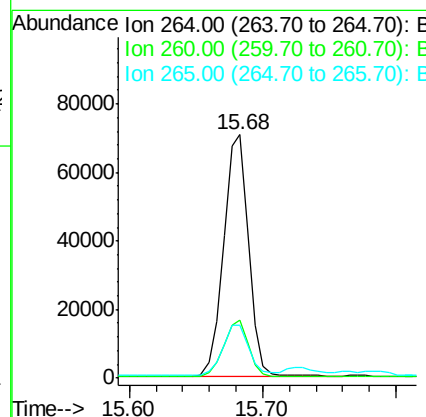
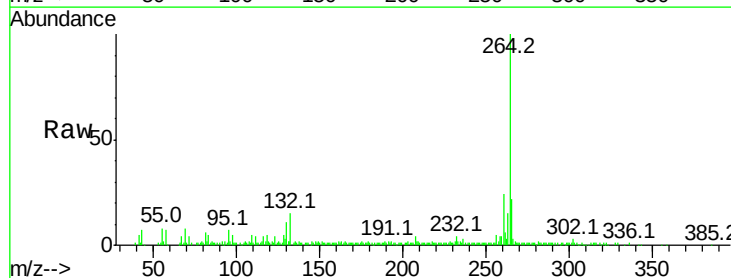
Manual Integrations
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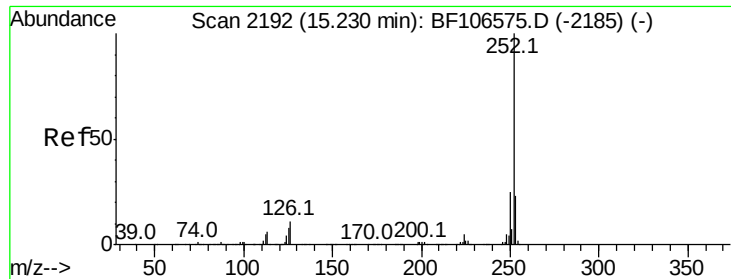
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 25.361 ng m

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Instrument :

BNA_F

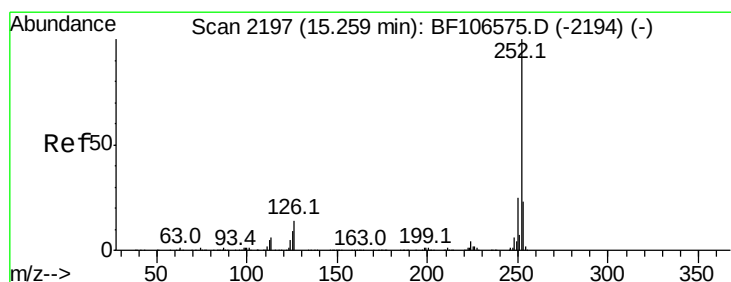
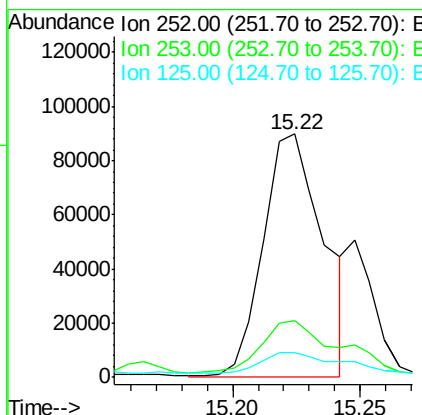
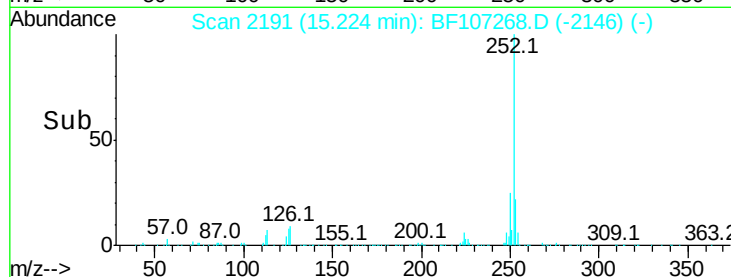
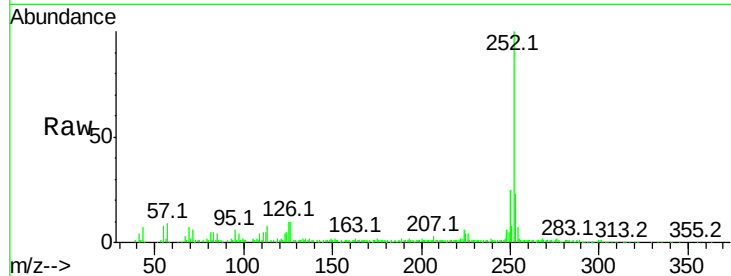
ClientSampleId :

SURCHARGE-SP-8RE

Tot Ion:	252	Resp:	147571
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	10.0	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 7.091 ng m

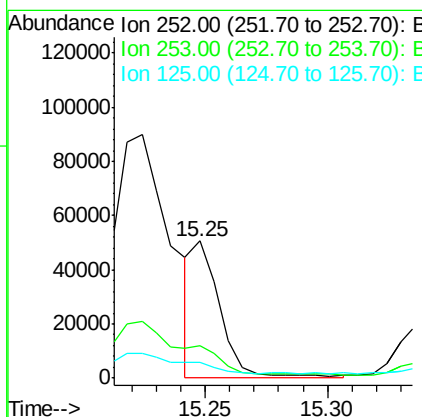
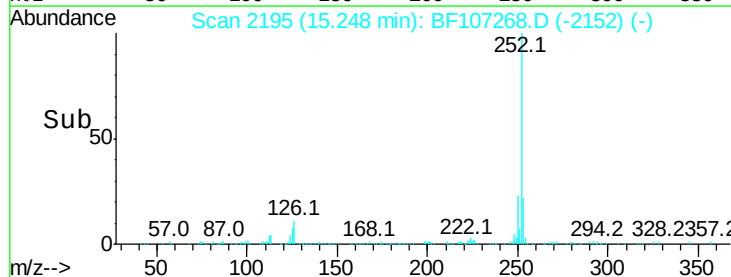
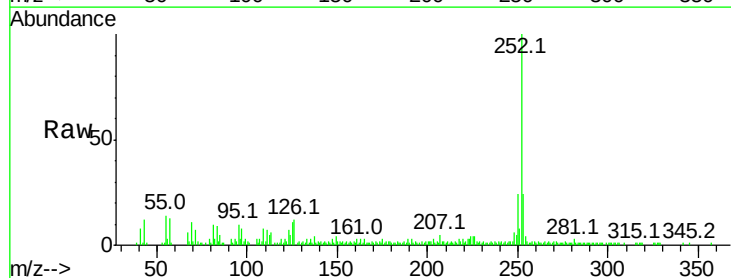
RT: 15.25 min Scan# 2195

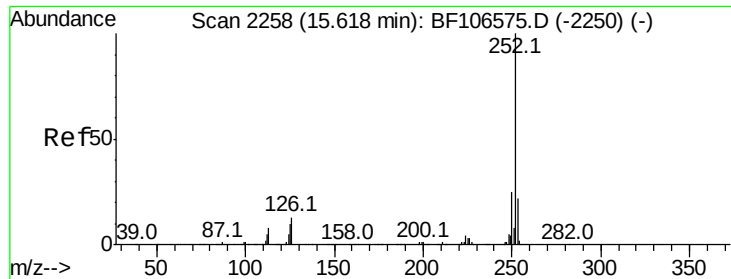
Delta R.T. -0.05 min

Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Tgt Ion:	252	Resp:	39291
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	11.1	10.2	15.2





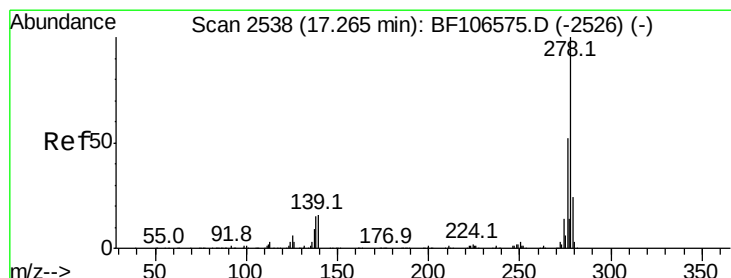
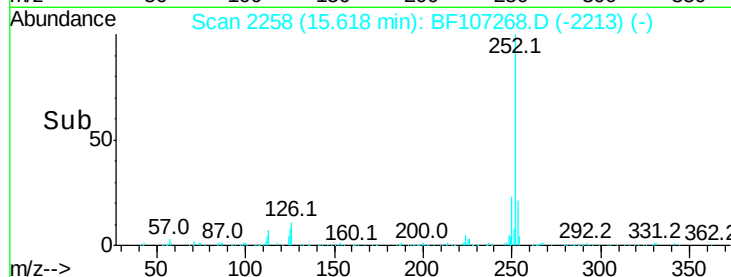
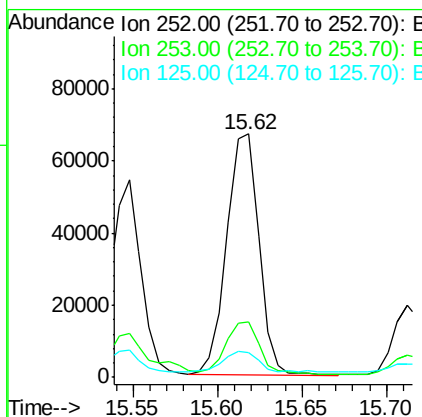
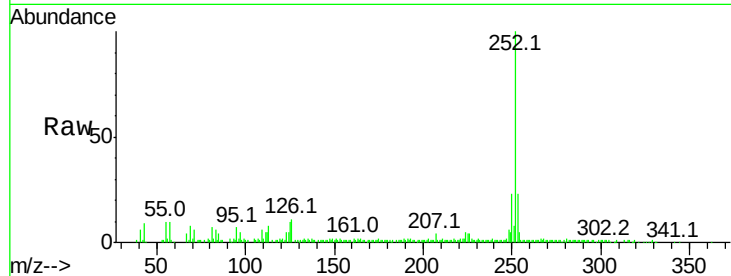
#89
Benzo(a)pyrene
Concen: 17.229 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-8RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	10.2	9.8	14.6

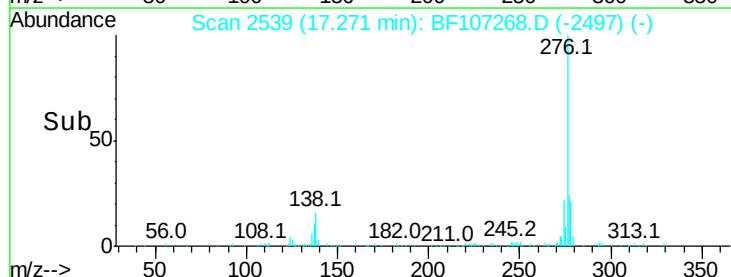
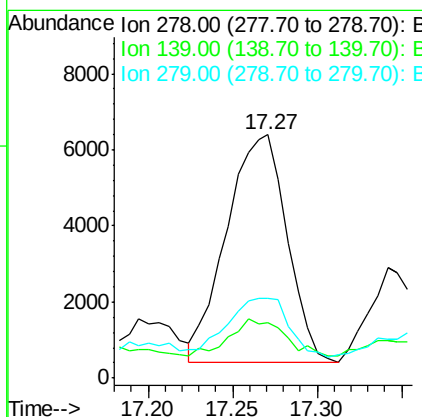
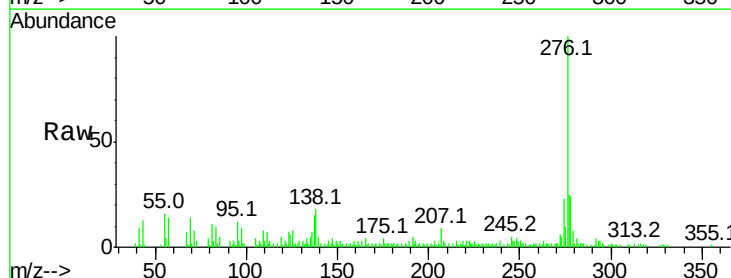
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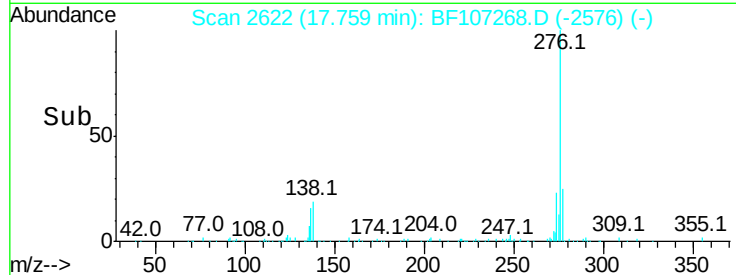
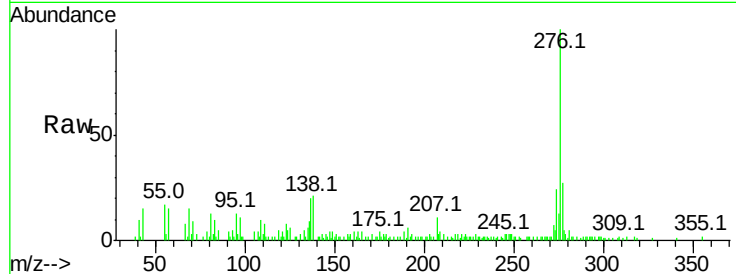
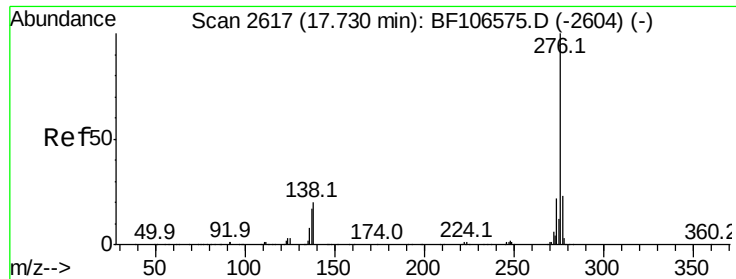
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#90
Dibenzo(a,h)anthracene
Concen: 3.375 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.05 min
Lab File: BF107268.D
Acq: 10 Jul 2018 13:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.8	15.9	23.9
279	32.8	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 11.452 ng

RT: 17.76 min Scan# 2622

Delta R.T. -0.03 min

Lab File: BF107268.D

Acq: 10 Jul 2018 13:15

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-8RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9#
138	20.7	21.8	32.8#

Manual Integrations
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