

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
 Data File : BF107232.D
 Acq On : 9 Jul 2018 16:48
 Operator : JU/SJ
 Sample : J3880-05RE
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13RE

Manual Integrations
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 7/10/2018 2:46:29 PM

Quant Time: Jul 09 18:20:11 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	6.95	152	34017	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	116986	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	53684	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	113661	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	101201	20.00	ng	-0.02
86) Perylene-d12	15.71	264	68591	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	211985	105.52	ng	-0.01
7) Phenol-d6	6.60	99	253439	101.02	ng	-0.02
23) Nitrobenzene-d5	7.51	82	148753	70.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	72037	115.78	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	273334	86.43	ng	-0.02
78) Terphenyl-d14	13.07	244	367188	87.89	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.85	152	14823	2.788	ng	98
49) Dimethylphthalate	9.70	163	58605	14.555	ng	99
70) Phenanthrene	11.51	178	75862	13.838	ng	97
71) Anthracene	11.57	178	25244	4.511	ng	100
72) Carbazole	11.72	167	11549	2.204	ng	100
74) Fluoranthene	12.71	202	180878	29.935	ng	95
77) Pyrene	12.94	202	165489	24.798	ng	99
80) Benzo(a)anthracene	14.14	228	92109	14.934	ng	98
82) Chrysene	14.18	228	87540	15.427	ng	98
85) Indeno(1,2,3-cd)pyrene	17.31	276	38349	7.964	ng	# 86
87) Benzo(b)fluoranthene	15.25	252	94522m	22.184	ng	
88) Benzo(k)fluoranthene	15.27	252	26458m	6.521	ng	
89) Benzo(a)pyrene	15.64	252	57803	15.260	ng	95
90) Dibenzo(a,h)anthracene	17.30	278	11352	3.536	ng	# 85
91) Benzo(a,h,i)perylene	17.80	276	38852	12.383	ng	# 89

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

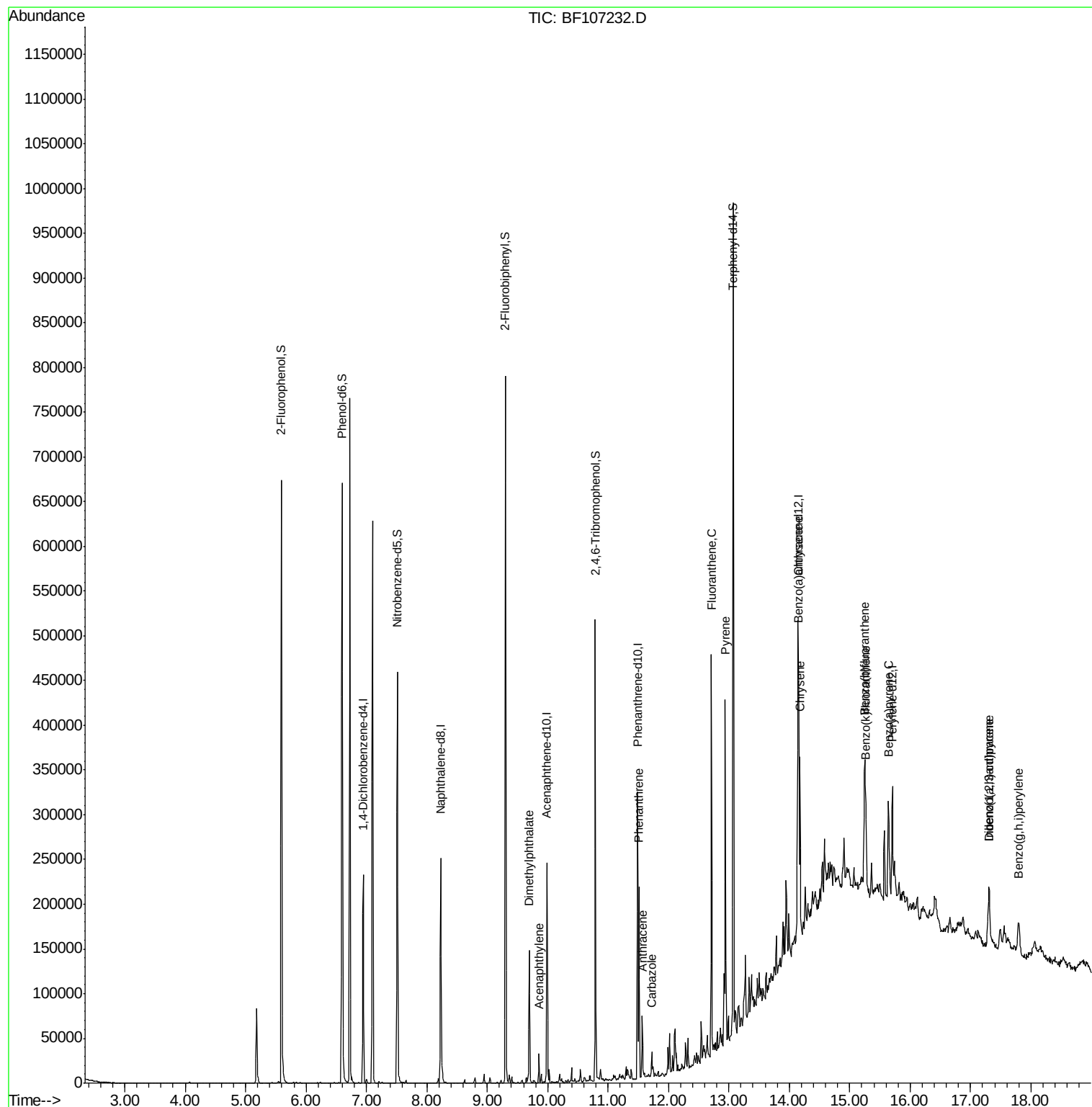
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070918\
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ALS Vial : 13 Sample Multiplier: 1

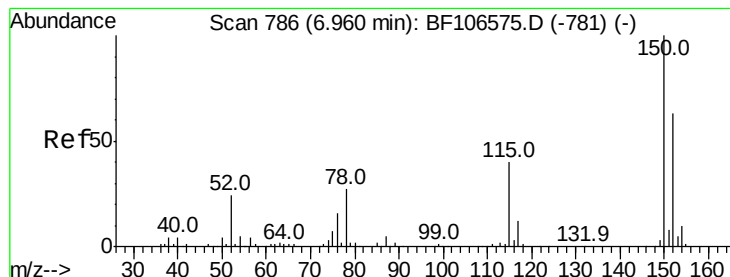
Instrument :
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#1

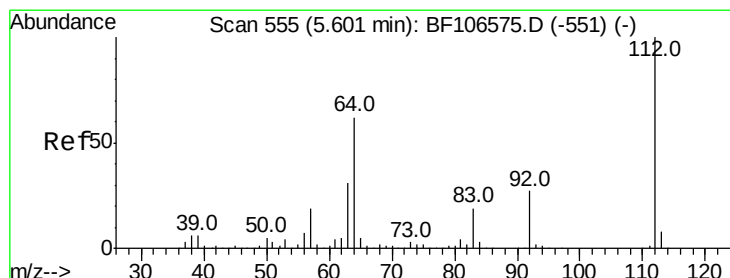
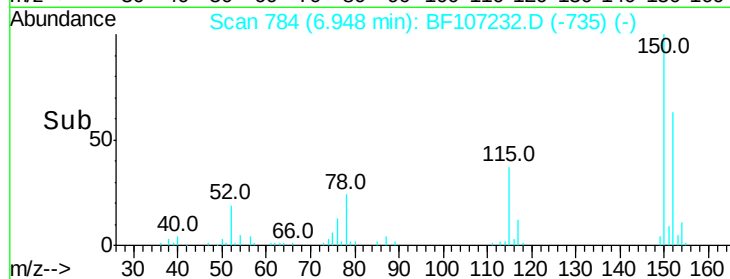
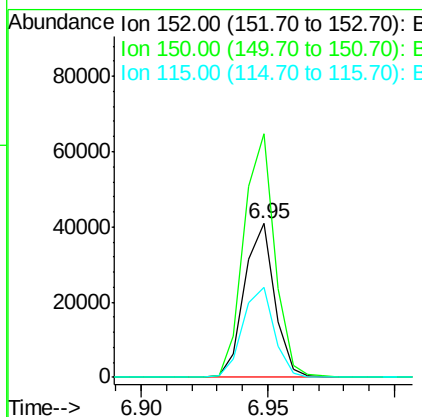
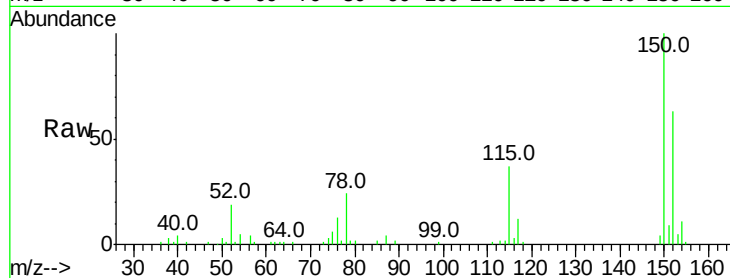
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107232.D
Acq: 9 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-13RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	58.7	50.1	75.1

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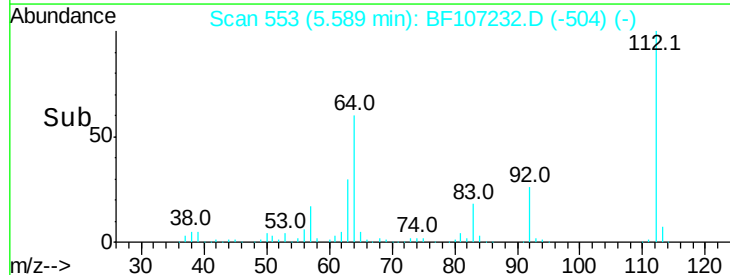
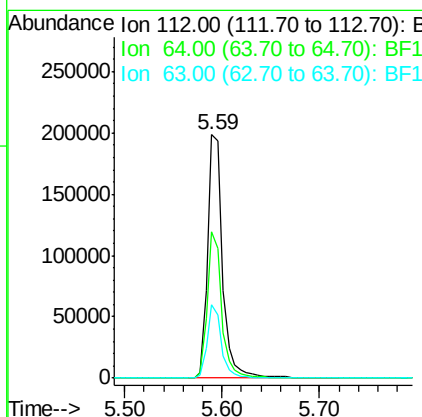
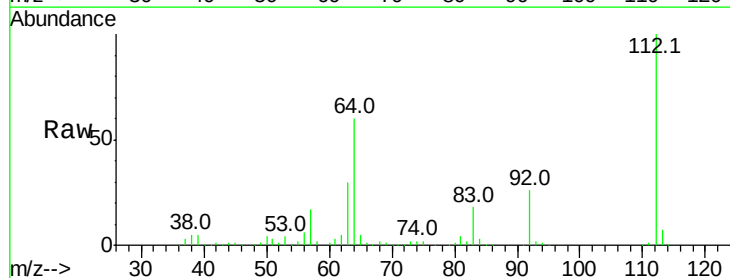
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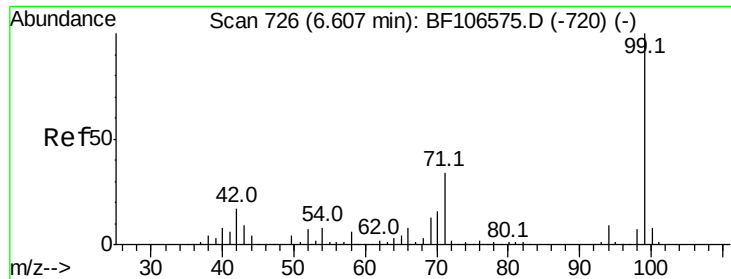


#5

2-Fluorophenol
Concen: 105.523 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107232.D
Acq: 9 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 101.023 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107232.D

Acq: 9 Jul 2018 16:48

Instrument :

BNA_F

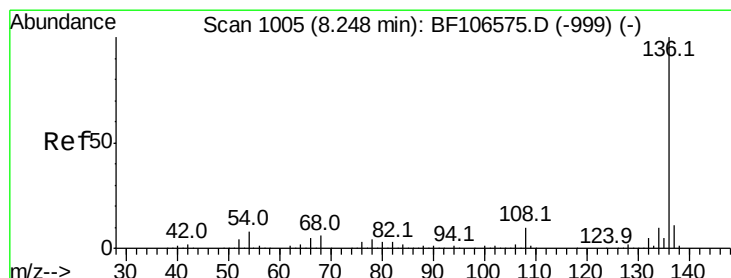
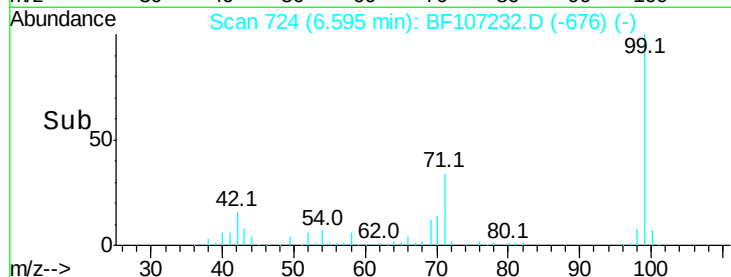
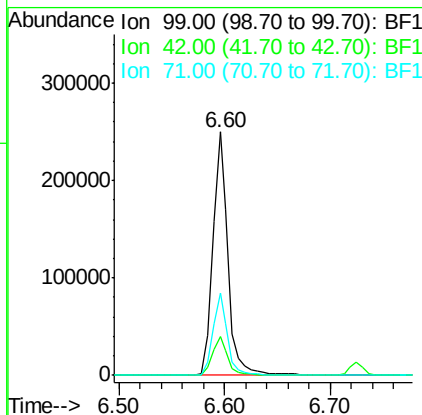
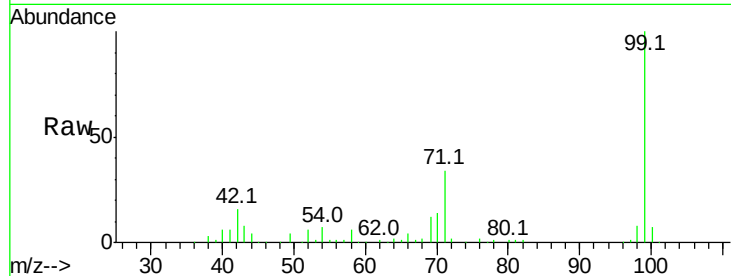
ClientSampleId :

SURCHARGE-SP-13RE

Tot Ion:	99	Resp:	253439
Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.5	21.7
71	33.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

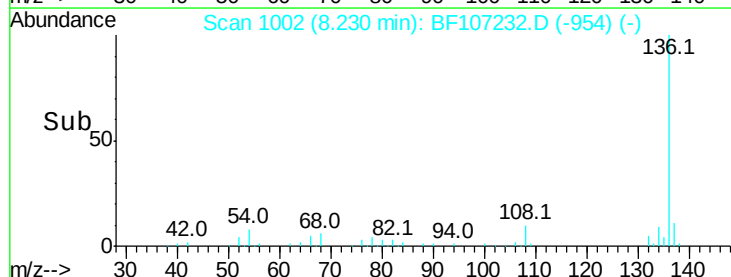
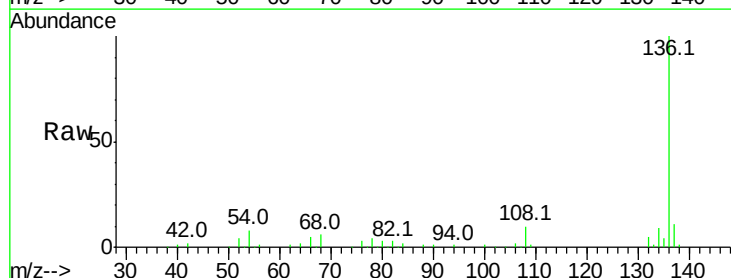
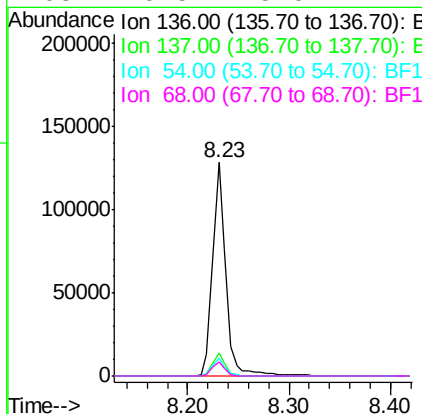
RT: 8.23 min Scan# 1002

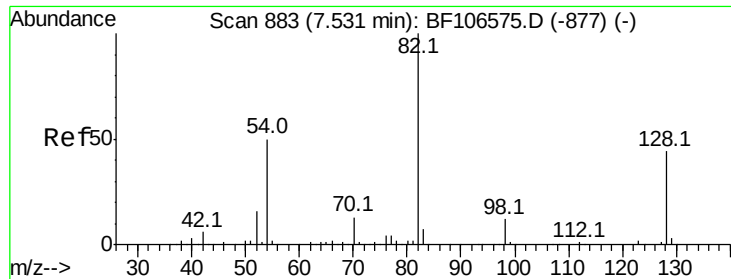
Delta R.T. -0.02 min

Lab File: BF107232.D

Acq: 9 Jul 2018 16:48

Tgt Ion:	136	Resp:	116986
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.2	6.6	9.8
68	6.5	5.0	7.4





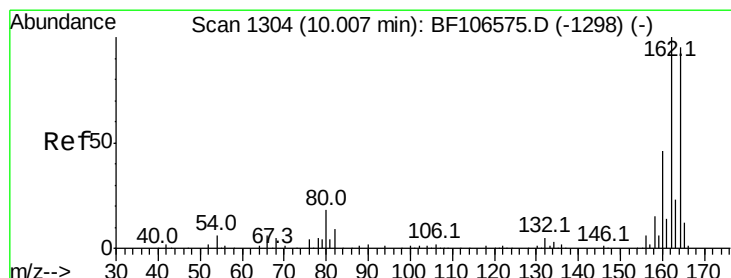
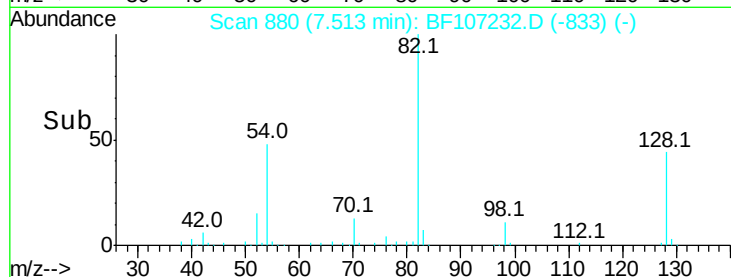
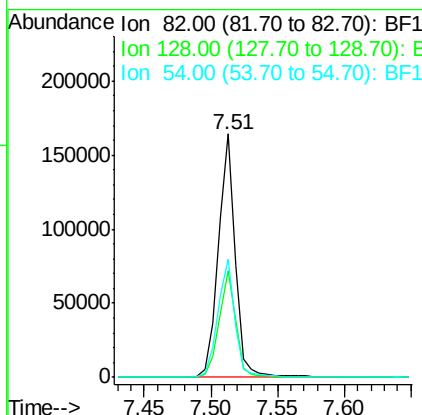
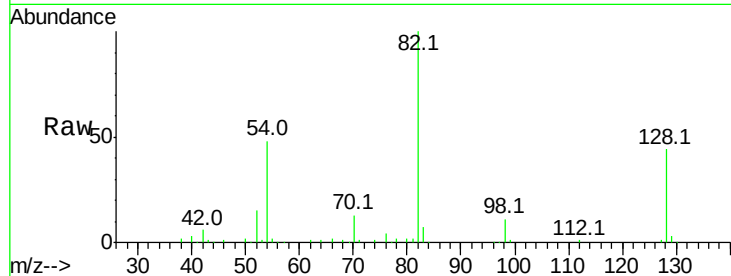
#23
 Nitrobenzene-d5
 Concen: 70.664 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	48.5	41.4	62.2

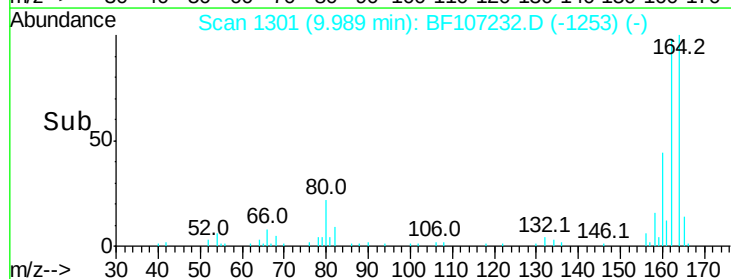
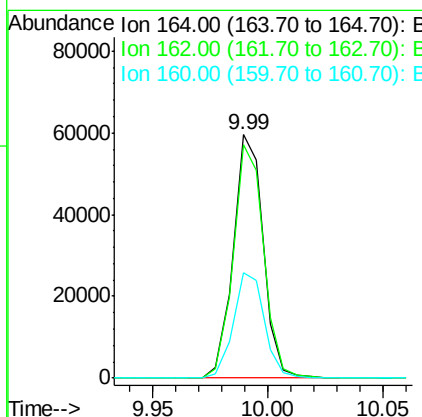
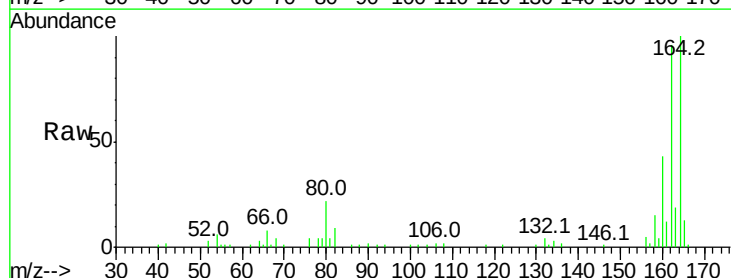
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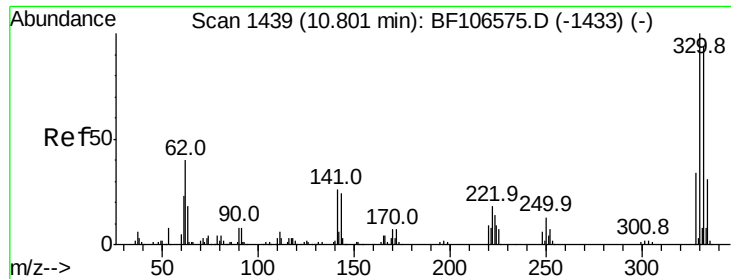
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.9	86.1	129.1
160	43.1	38.3	57.5





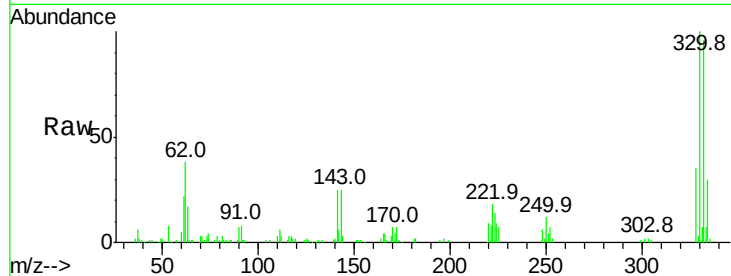
#41
 2,4,6-Tribromophenol
 Concen: 115.776 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13RE

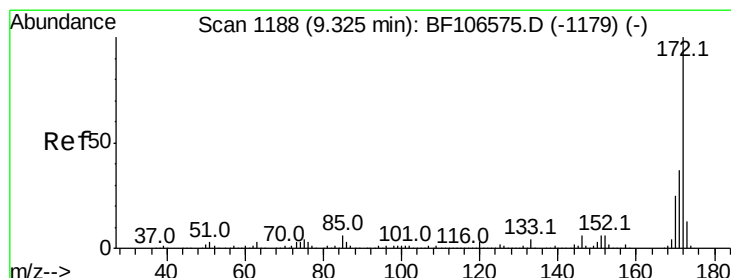
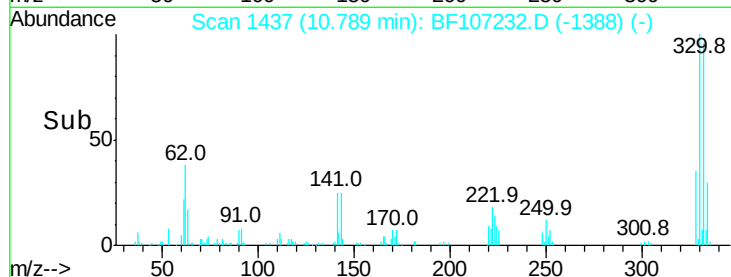
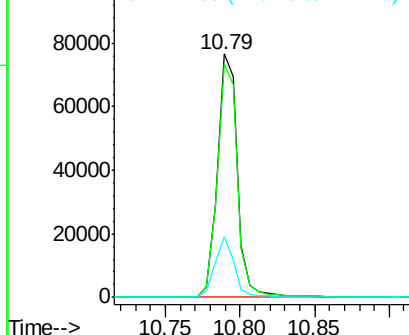
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	23.6	29.9	44.9#

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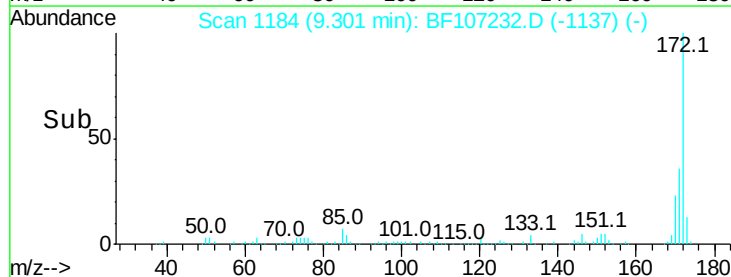
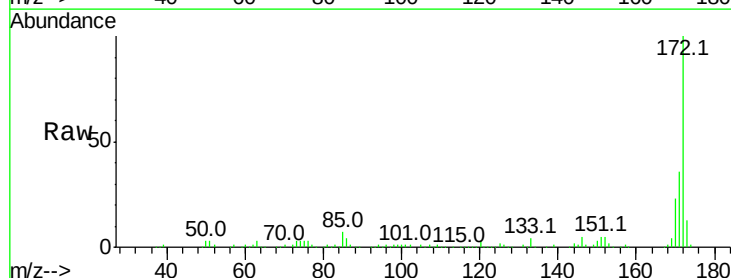
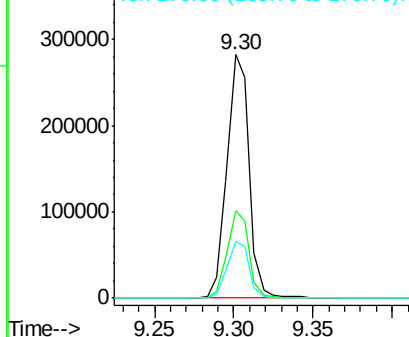
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

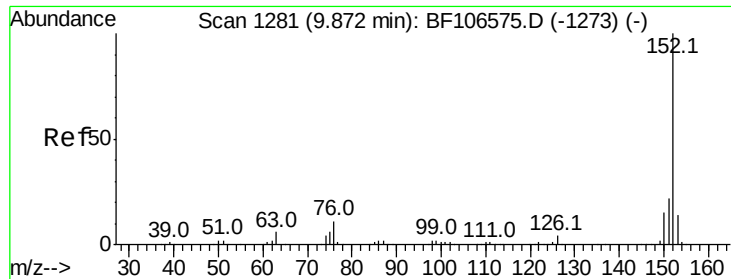


#44
 2-Fluorobiphenyl
 Concen: 86.429 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.4	19.6	29.4

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





#48

Acenaphthylene

Concen: 2.788 ng

RT: 9.85 min Scan# 1278

Delta R.T. -0.02 min

Lab File: BF107232.D

Acq: 9 Jul 2018 16:48

Instrument :

BNA_F

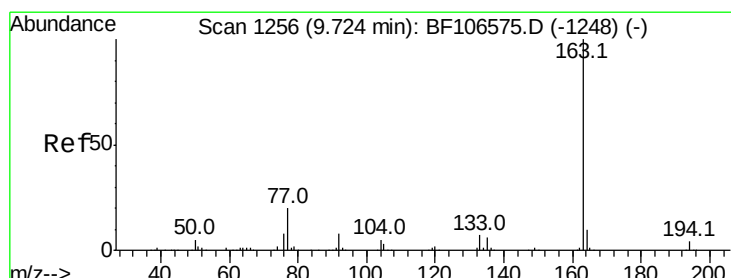
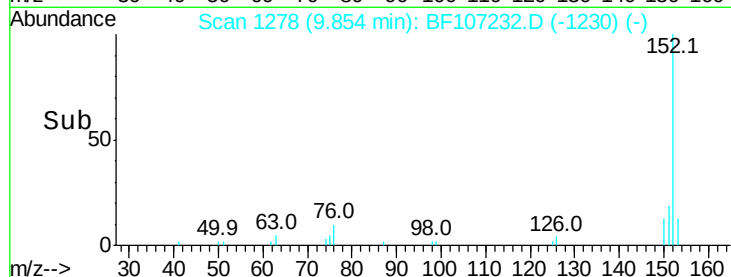
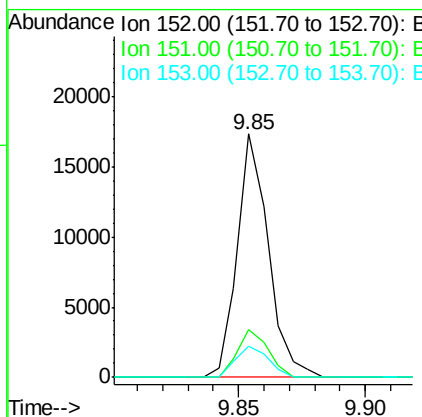
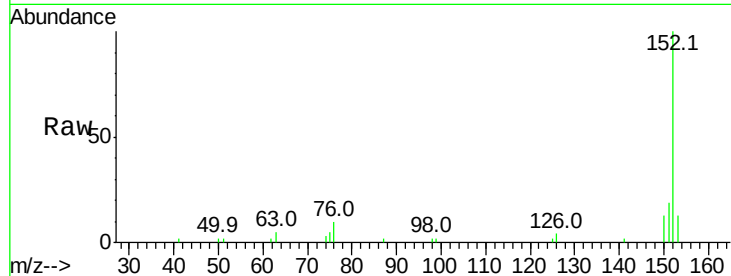
ClientSampleId :

SURCHARGE-SP-13RE

Tot Ion:	152	Resp:	14823
Ion Ratio	Lower	Upper	
152	100		
151	19.4	16.3	24.5
153	12.6	10.7	16.1

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#49

Dimethylphthalate

Concen: 14.555 ng

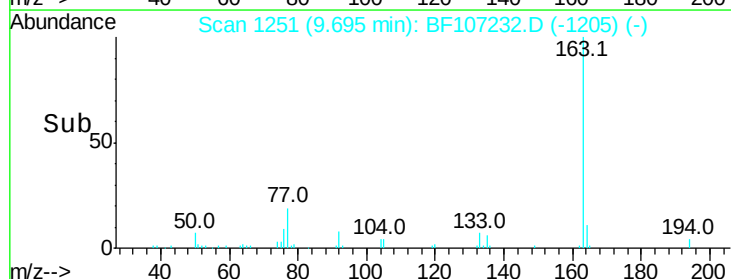
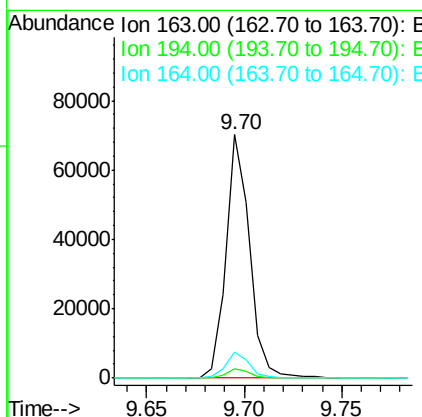
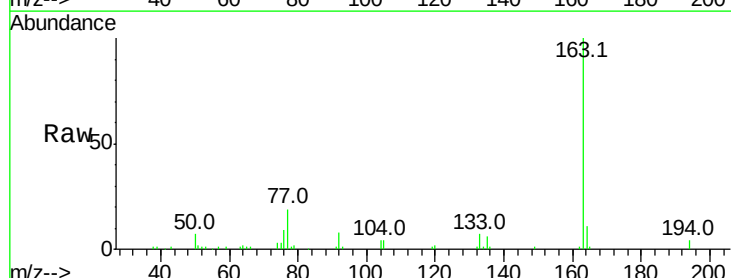
RT: 9.70 min Scan# 1251

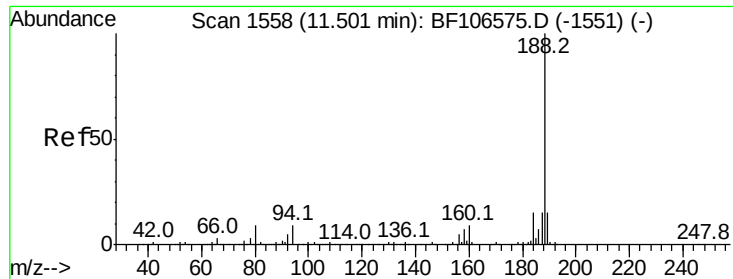
Delta R.T. -0.03 min

Lab File: BF107232.D

Acq: 9 Jul 2018 16:48

Tgt Ion:	163	Resp:	58605
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.7	4.1
164	10.5	8.2	12.2





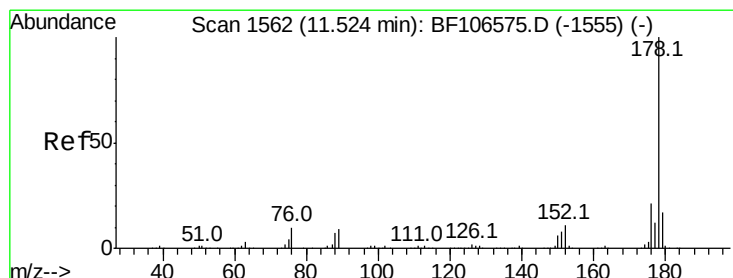
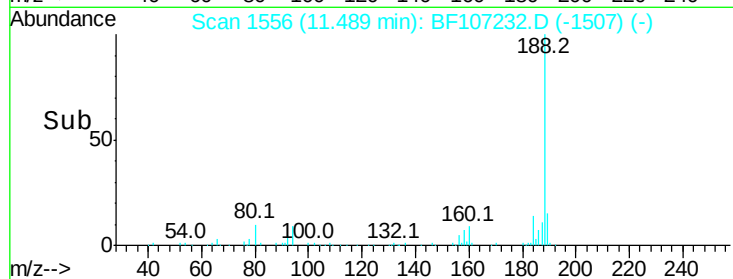
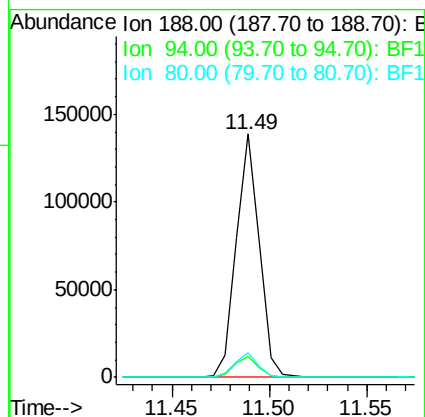
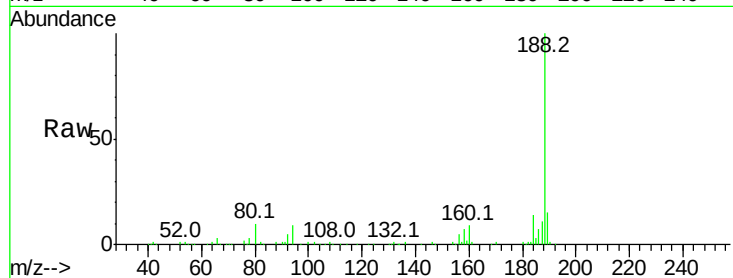
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

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Tot Ion:	188	Resp:	113661
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.5	12.7
80	10.0	9.2	13.8

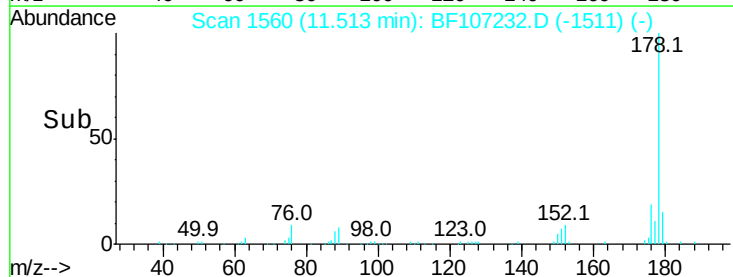
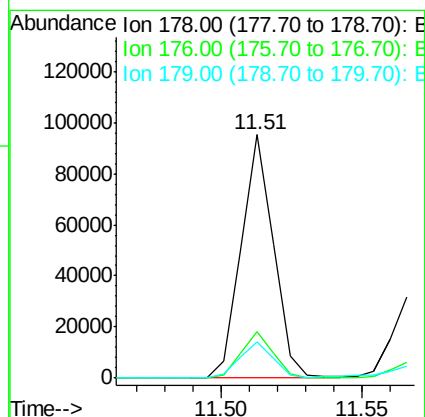
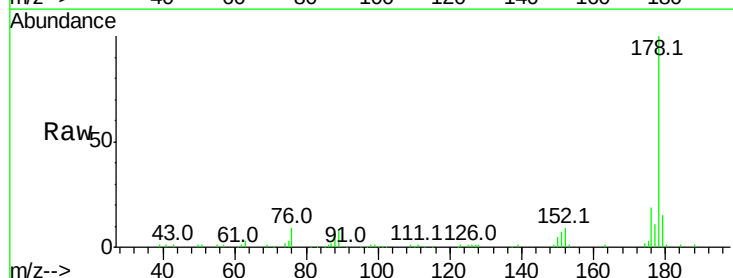
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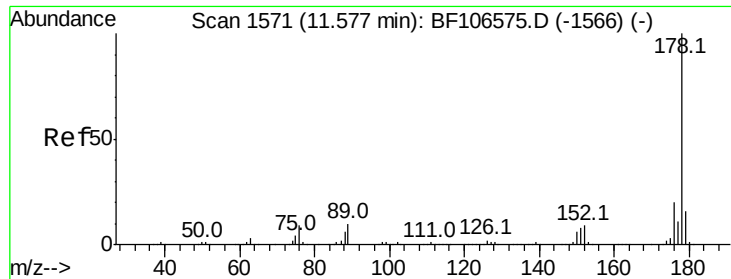
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#70
 Phenanthrene
 Concen: 13.838 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Tgt Ion:	178	Resp:	75862
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.8
179	14.8	13.0	19.6





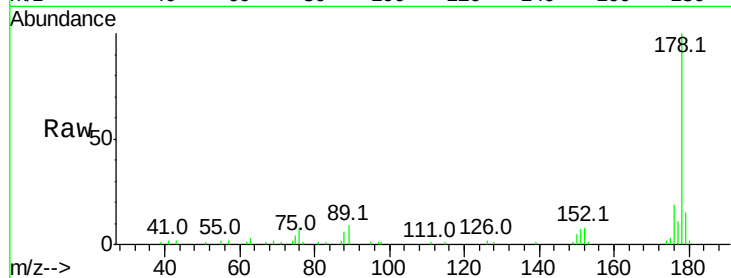
#71
 Anthracene
 Concen: 4.511 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13RE

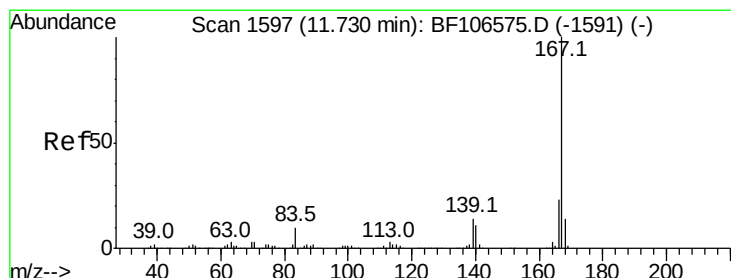
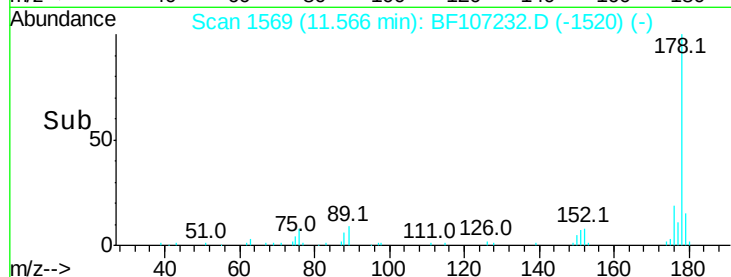
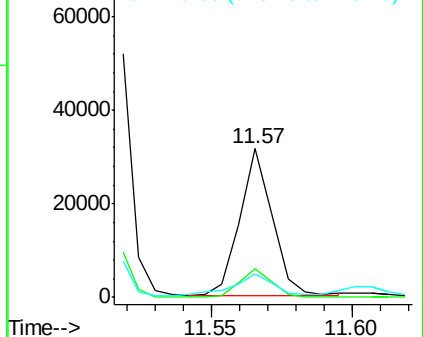
Tot Ion:178 Resp: 25244
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.4 12.6 19.0

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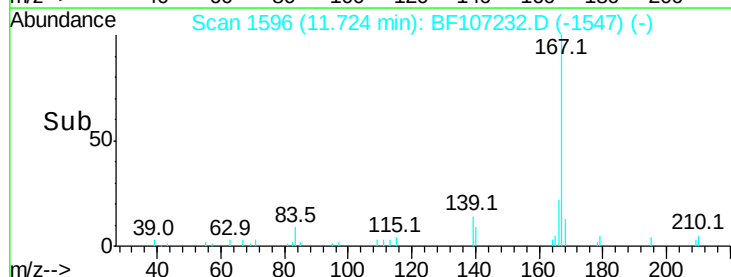
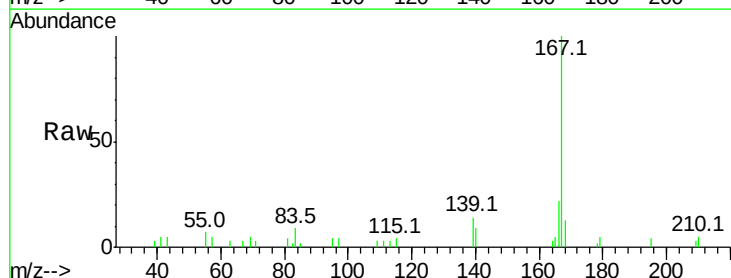
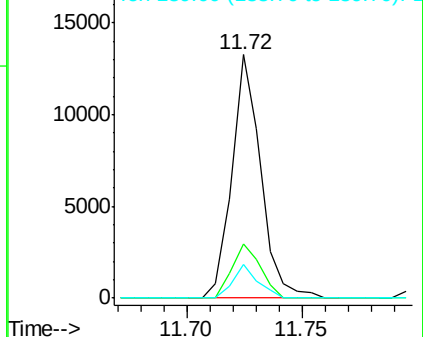
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

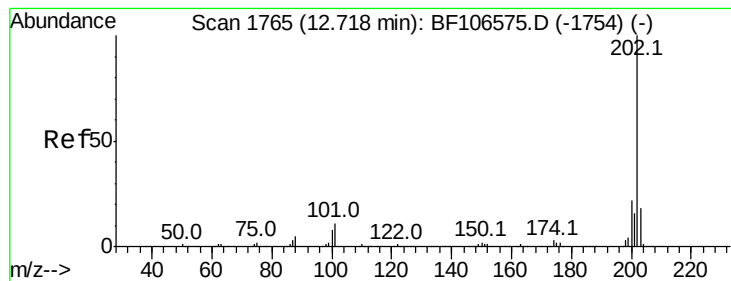


#72
 Carbazole
 Concen: 2.204 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Tgt Ion:167 Resp: 11549
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.6 26.4
 139 13.6 10.9 16.3

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





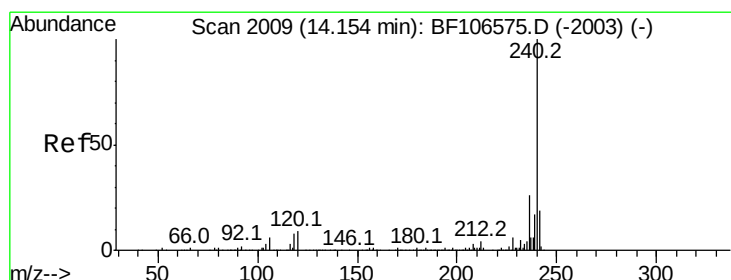
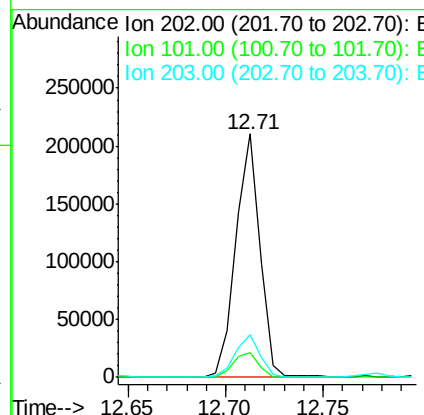
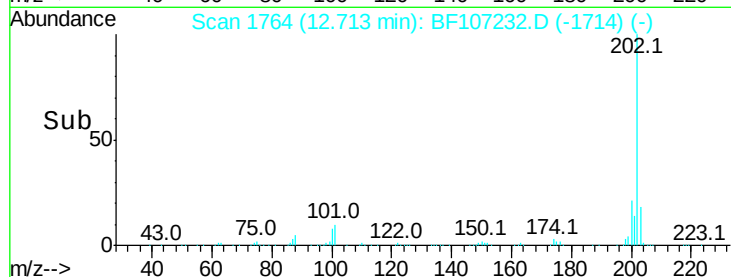
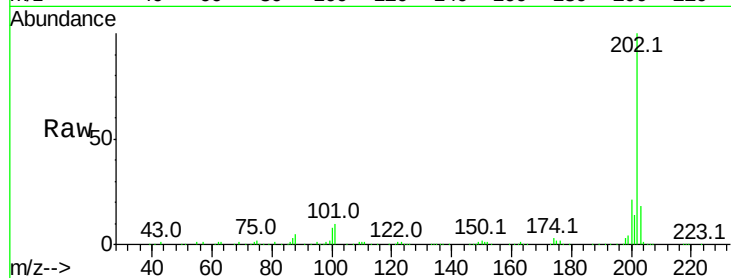
#74
 Fluoranthene
 Concen: 29.935 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13RE

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.1	0.0	34.1
203	17.6	0.0	38.1

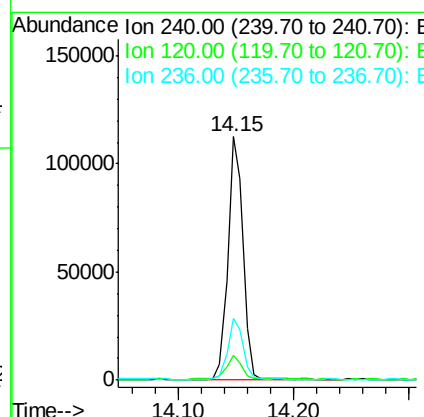
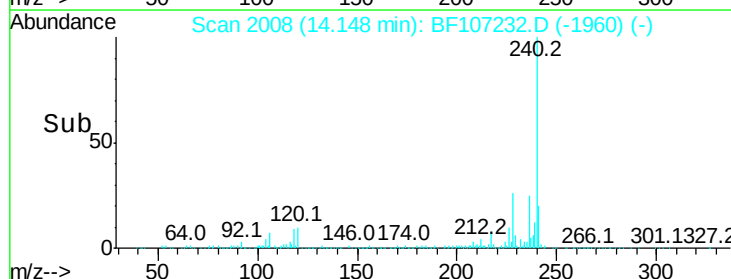
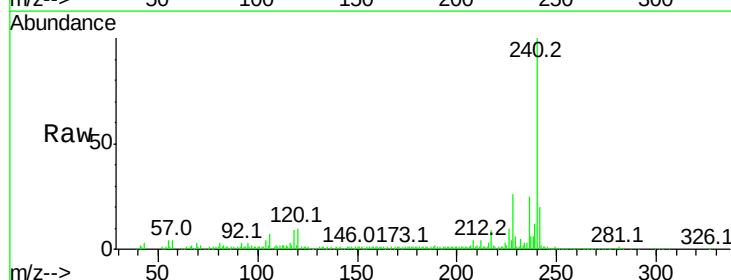
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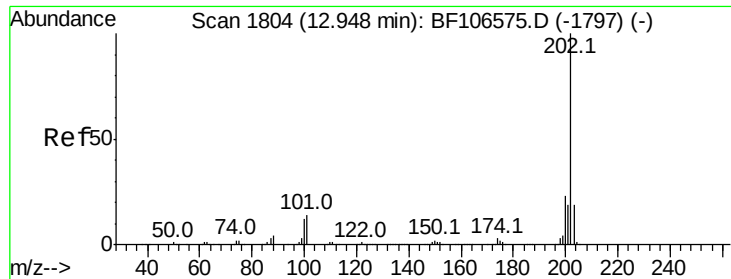
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2008
 Delta R.T. -0.02 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.0	9.5	14.3
236	25.2	20.7	31.1





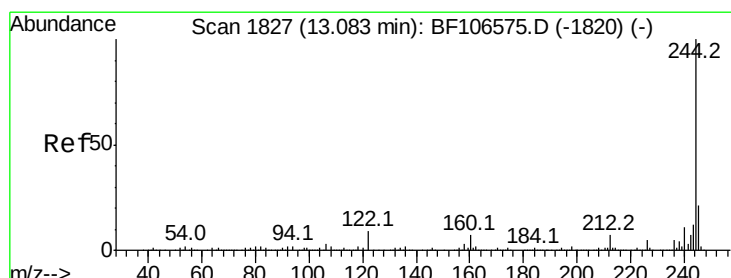
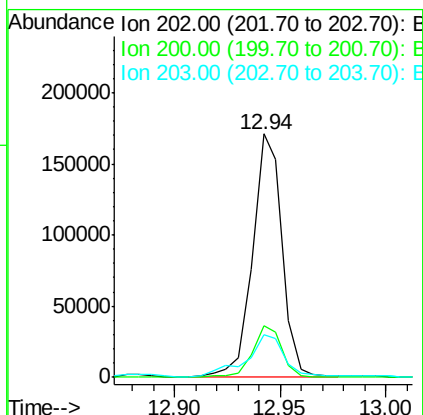
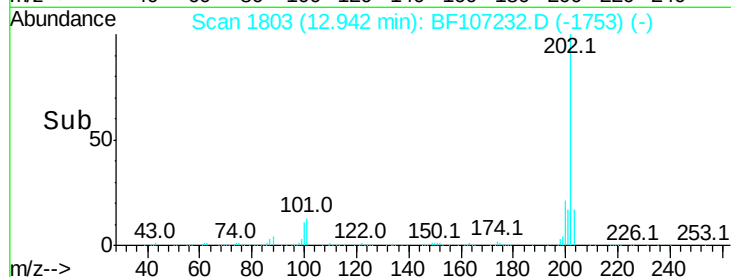
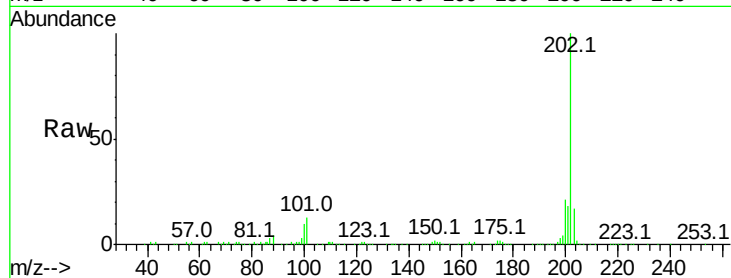
#77
Pvrene
Concen: 24.798 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107232.D
Acq: 9 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-13RE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	17.4	14.3	21.5

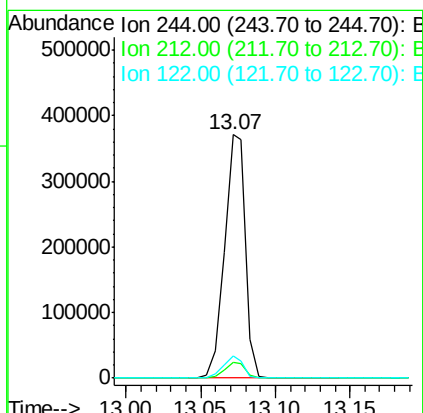
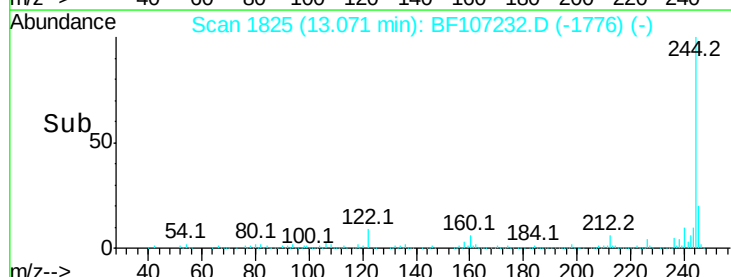
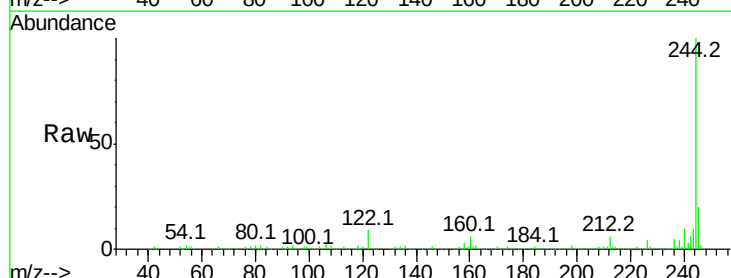
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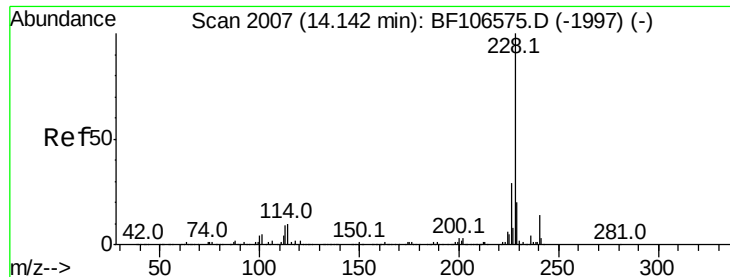
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#78
Terphenyl-d14
Concen: 87.888 ng
RT: 13.07 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF107232.D
Acq: 9 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.3	11.0	16.4#





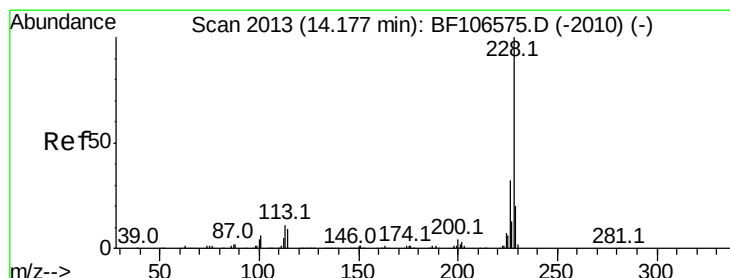
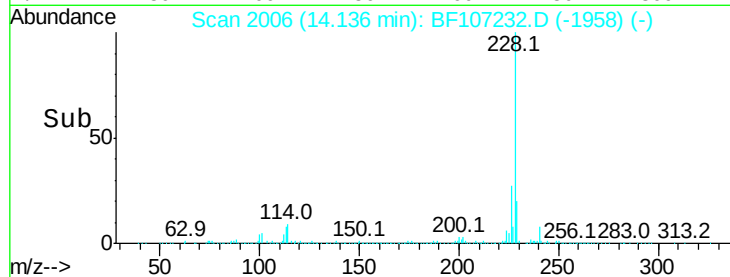
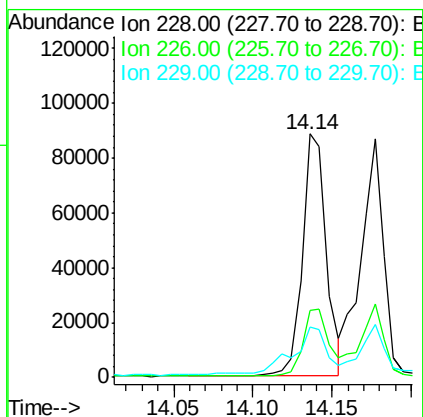
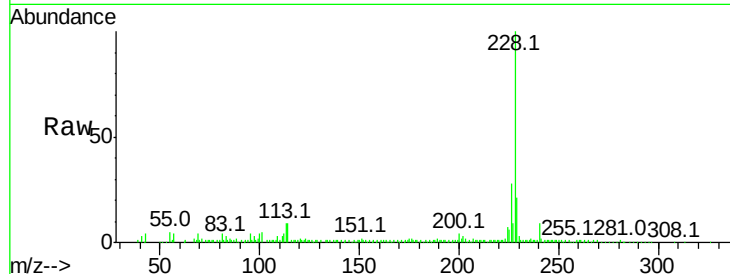
#80
Benzo(a)anthracene
Concen: 14.934 ng
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107232.D
Acq: 9 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-13RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.7	15.8	23.6

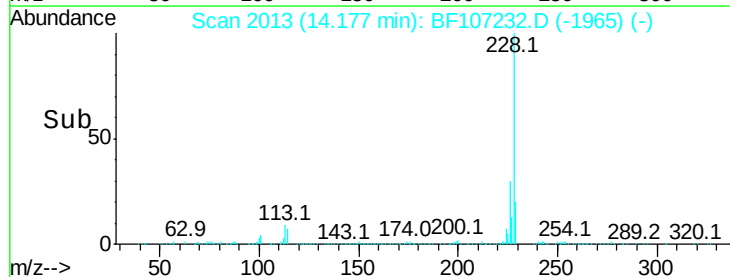
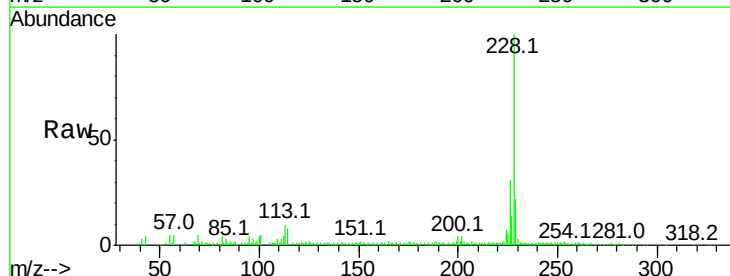
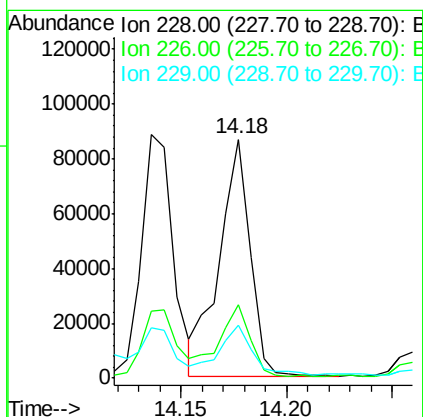
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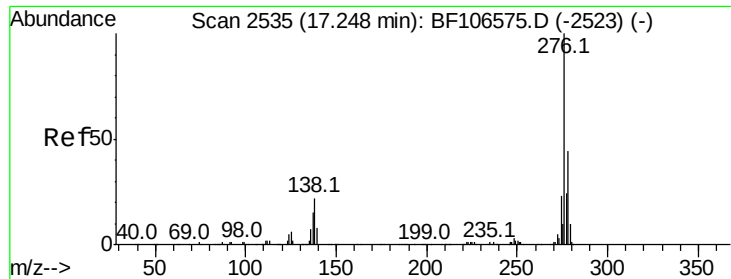
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#82
Chrysene
Concen: 15.427 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107232.D
Acq: 9 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.0	16.2	24.4





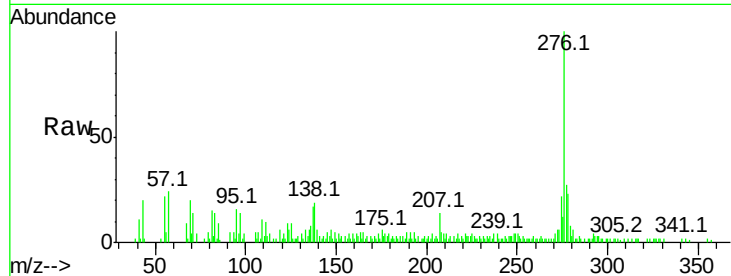
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.964 ng
 RT: 17.31 min Scan# 2545
 Delta R.T. -0.00 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13RE

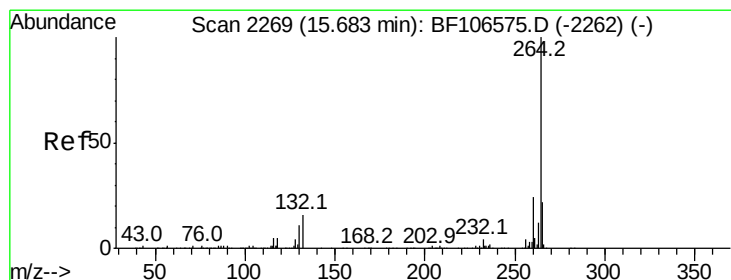
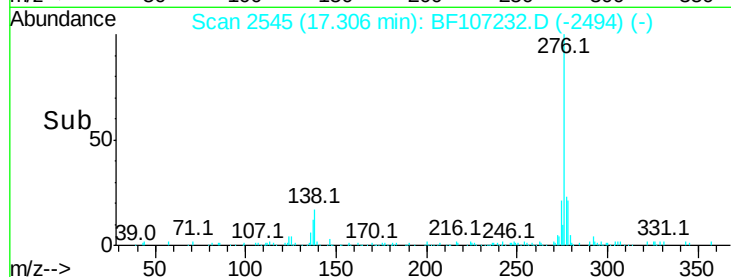
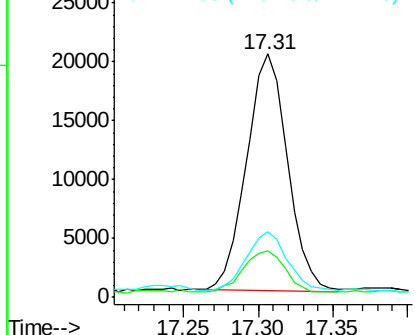
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.9	25.0	37.6#
277	24.9	20.1	30.1

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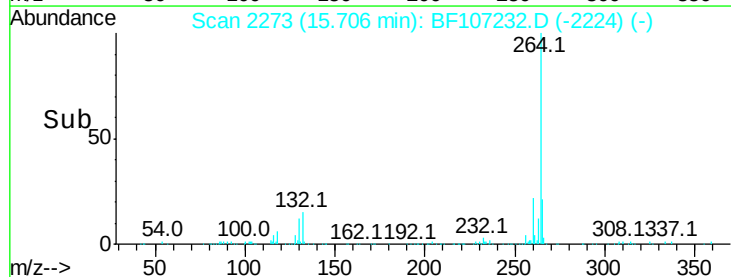
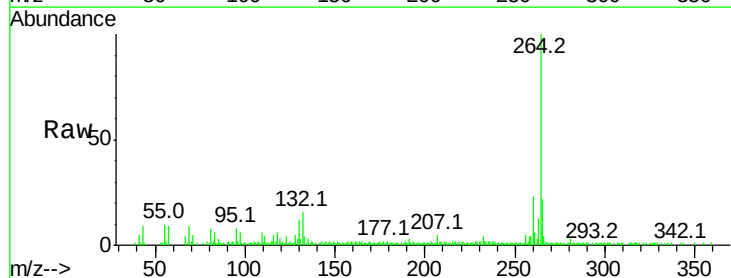
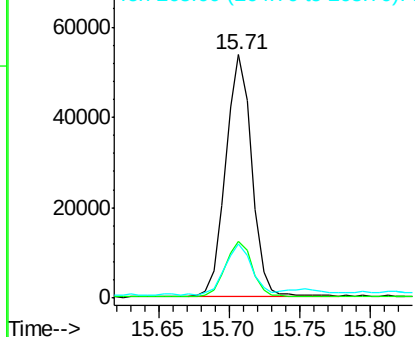
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

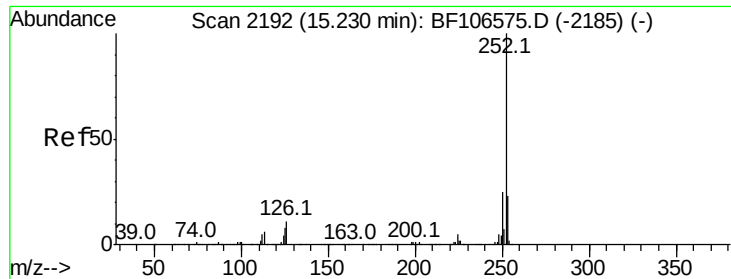


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.71 min Scan# 2273
 Delta R.T. -0.01 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 22.184 ng m

RT: 15.25 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF107232.D

Acq: 9 Jul 2018 16:48

Instrument :

BNA_F

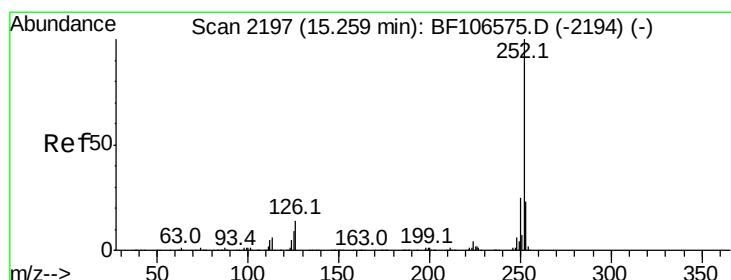
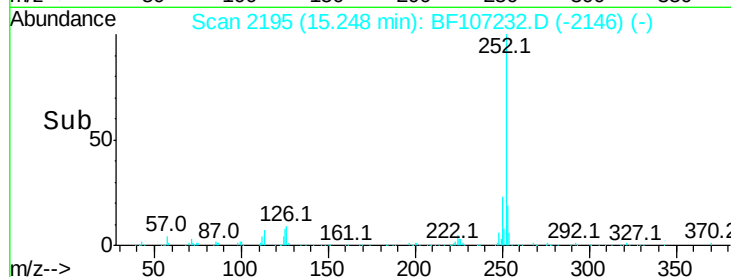
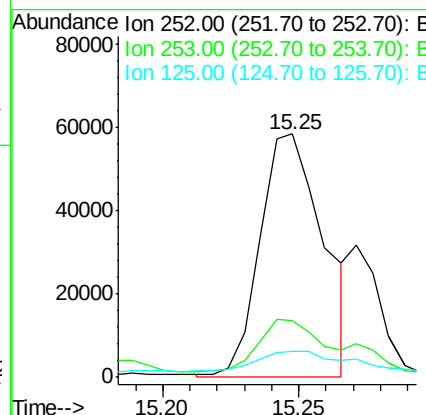
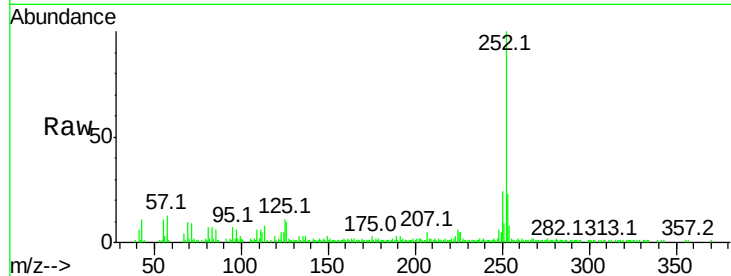
ClientSampleId :

SURCHARGE-SP-13RE

Tot Ion:	252	Resp:	94522
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	10.9	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 6.521 ng m

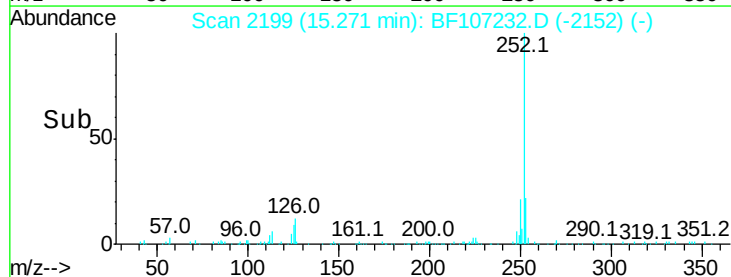
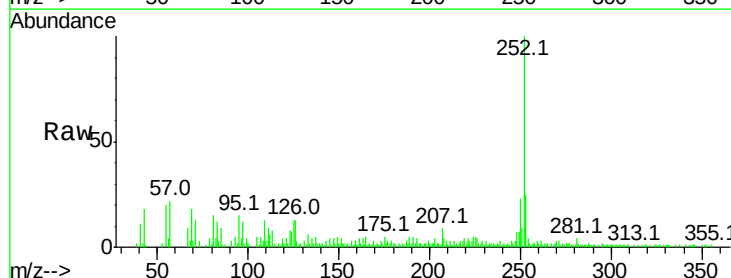
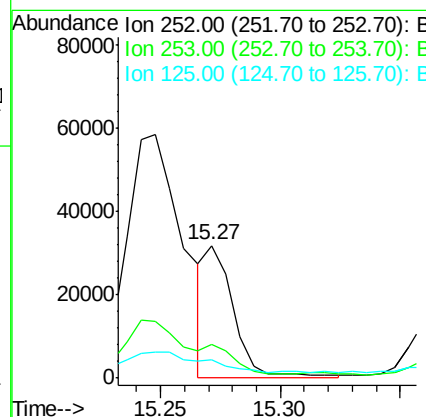
RT: 15.27 min Scan# 2199

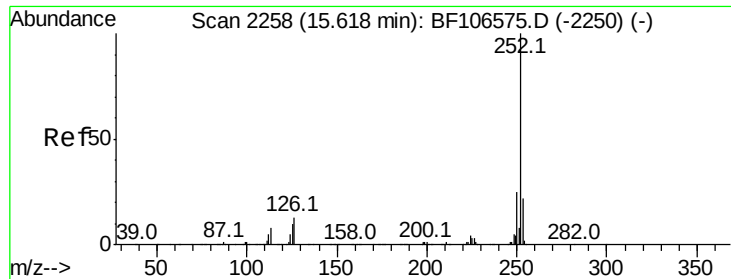
Delta R.T. -0.02 min

Lab File: BF107232.D

Acq: 9 Jul 2018 16:48

Tgt Ion:	252	Resp:	26458
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.9	26.9
125	13.4	10.2	15.2





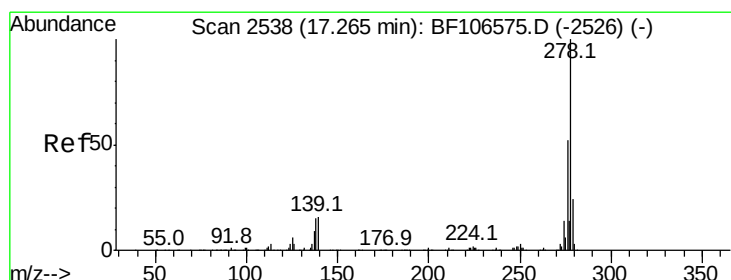
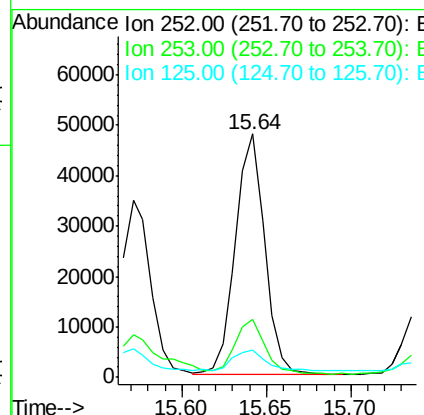
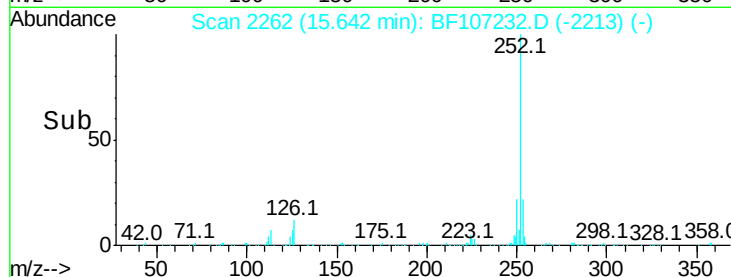
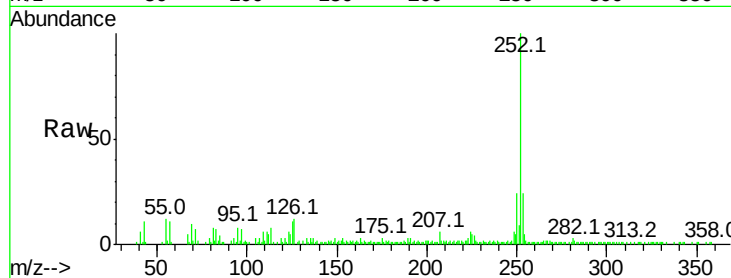
#89
Benzo(a)pyrene
Concen: 15.260 ng
RT: 15.64 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF107232.D
Acq: 9 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-13RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	11.2	9.8	14.6

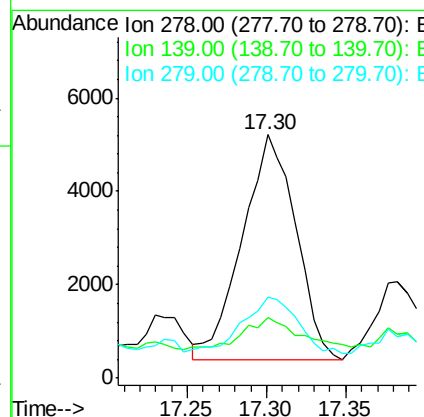
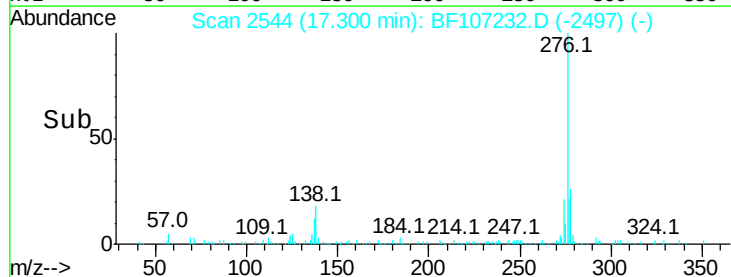
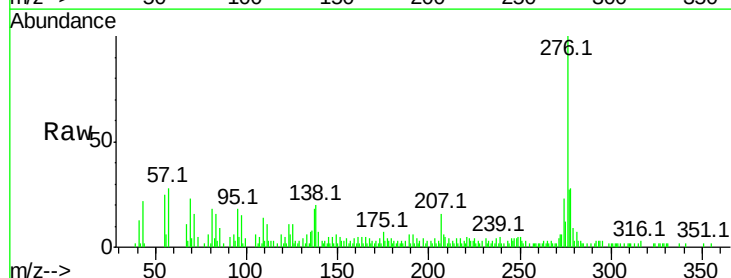
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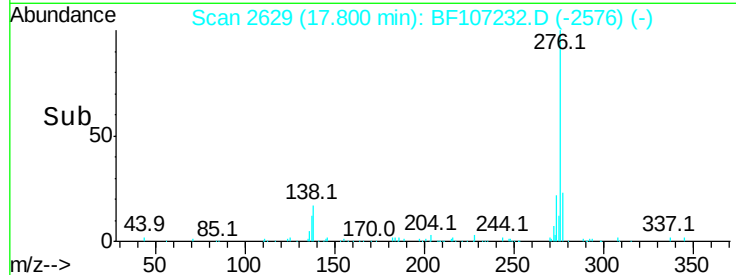
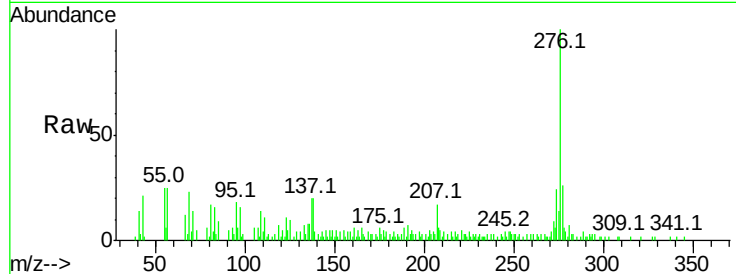
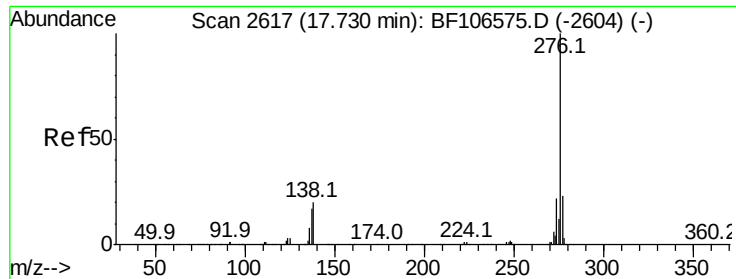
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#90
Dibenzo(a,h)anthracene
Concen: 3.536 ng
RT: 17.30 min Scan# 2544
Delta R.T. -0.02 min
Lab File: BF107232.D
Acq: 9 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.9	15.9	23.9#
279	33.1	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 12.383 ng
 RT: 17.80 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: BF107232.D
 Acq: 9 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-13RE

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	20.4	21.8	32.8

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