

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
 Data File : BF107267.D
 Acq On : 10 Jul 2018 12:48
 Operator : JU/SJ
 Sample : J3879-13RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-7RE

Manual Integrations
 APPROVED

Sohil
 7/11/2018 11:22:29 AM

Quant Time: Jul 11 08:19:15 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	34393	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	115842	20.00	ng	-0.03
38) Acenaphthene-d10	9.98	164	50081	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	103412	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	117466	20.00	ng	-0.03
86) Perylene-d12	15.68	264	98000	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	189348	93.22	ng	-0.02
7) Phenol-d6	6.59	99	227458	89.68	ng	-0.02
23) Nitrobenzene-d5	7.50	82	138876	66.62	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	58741	101.20	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	242825	81.45	ng	-0.03
78) Terphenyl-d14	13.07	244	320653	66.12	ng	-0.02

Target Compounds

						Qvalue
31) Naphthalene	8.24	128	11185	2.065	ng	99
49) Dimethylphthalate	9.69	163	72538	19.312	ng	99
51) Acenaphthene	10.01	154	7049	2.257	ng	94
57) Fluorene	10.53	166	8144	2.400	ng	94
70) Phenanthrene	11.50	178	118404	23.739	ng	99
71) Anthracene	11.55	178	36313	7.133	ng	98
72) Carbazole	11.71	167	12217	2.563	ng	97
74) Fluoranthene	12.70	202	231543	42.118	ng	96
77) Pyrene	12.94	202	222671	28.746	ng	99
80) Benzo(a)anthracene	14.12	228	139271	19.453	ng	98
82) Chrysene	14.17	228	127070	19.293	ng	98
83) Bis(2-ethylhexyl)phthalate	14.08	149	9023	2.216	ng	# 91
85) Indeno(1,2,3-cd)pyrene	17.27	276	51974	9.299	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	144389m	23.718	ng	
88) Benzo(k)fluoranthene	15.25	252	53002m	9.143	ng	
89) Benzo(a)pyrene	15.61	252	97859	18.082	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	15174	3.308	ng	# 89
91) Benzo(g,h,i)perylene	17.76	276	49484	11.038	ng	# 89

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

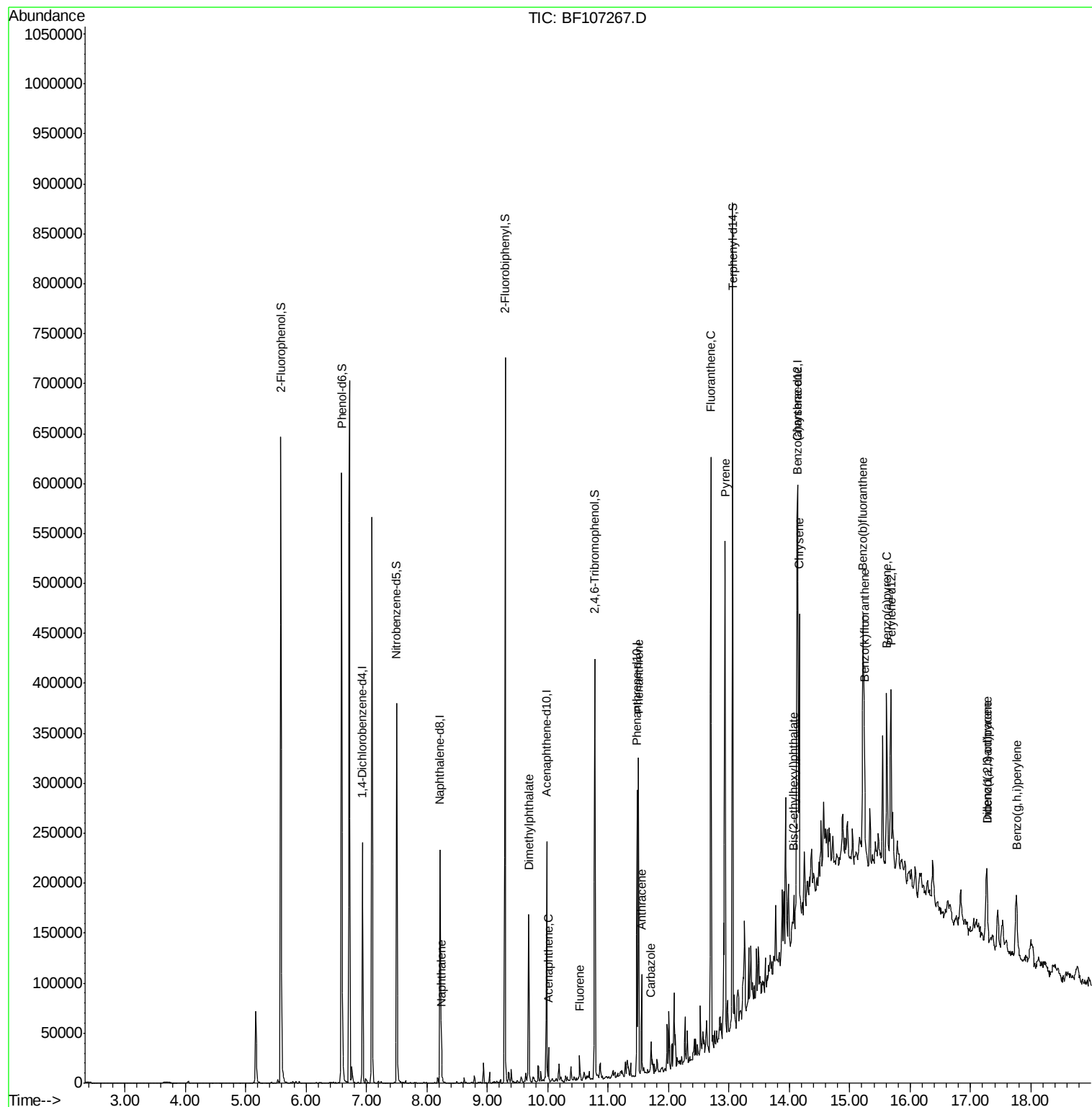
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#1

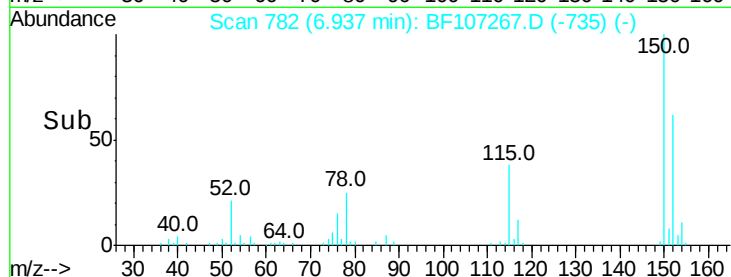
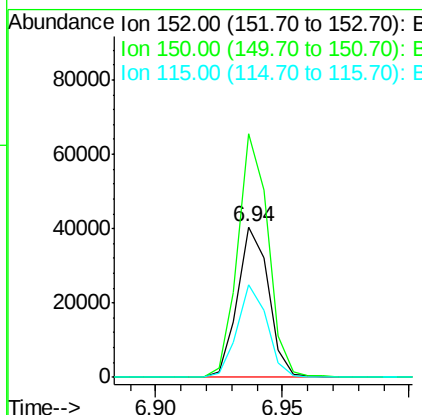
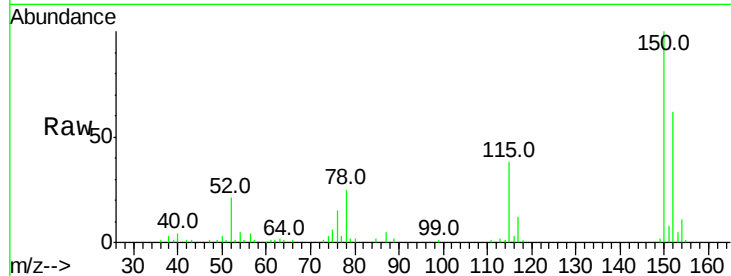
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-7RE

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.6	186.8
115	61.3	50.1	75.1

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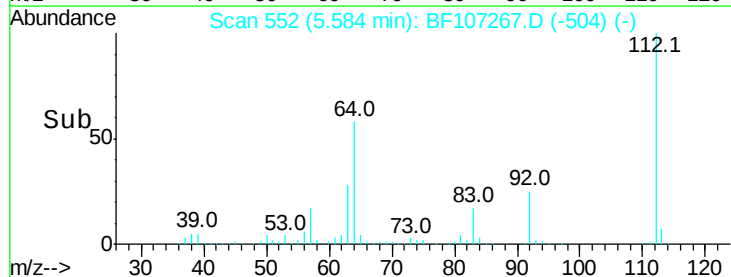
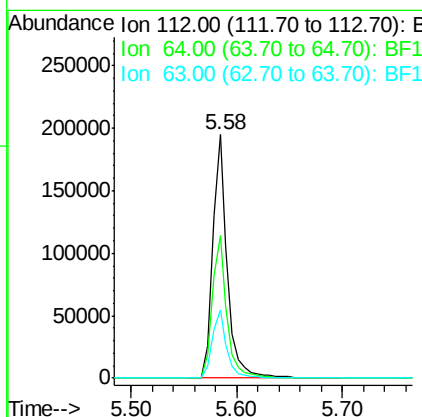
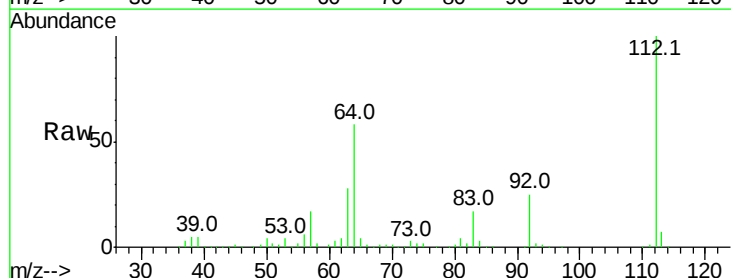
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#5

2-Fluorophenol
Concen: 93.224 ng
RT: 5.58 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 89.676 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107267.D

Acq: 10 Jul 2018 12:48

Instrument :

BNA_F

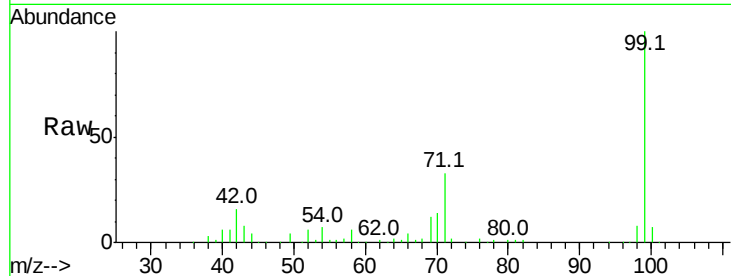
ClientSampleId :

SURCHARGE-SP-7RE

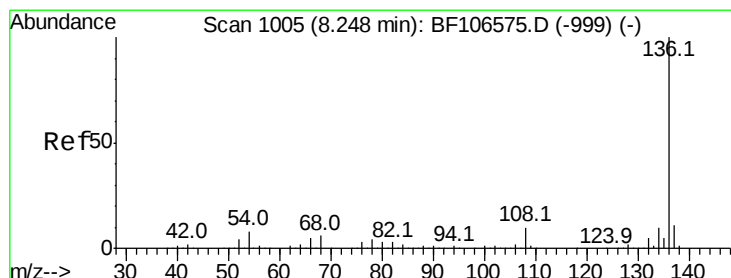
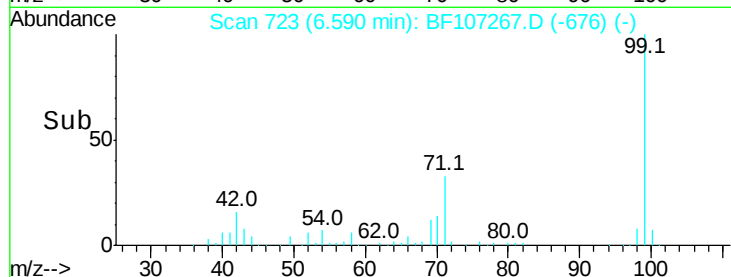
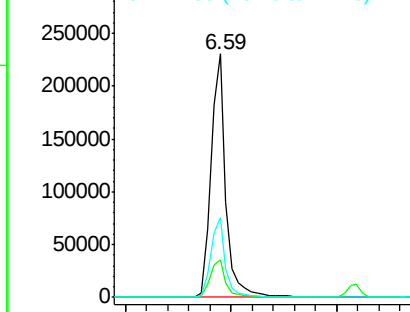
Tot Ion:	99	Resp:	227458
Ion	Ratio	Lower	Upper
99	100		
42	15.7	14.5	21.7
71	32.8	25.4	38.0

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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# 1000

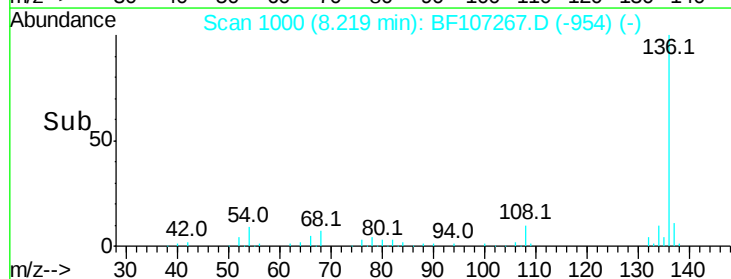
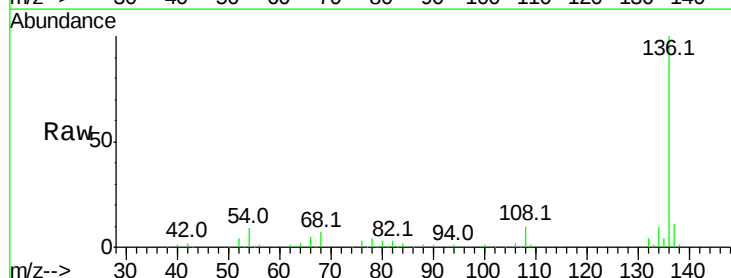
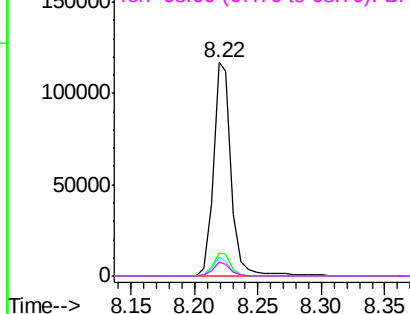
Delta R.T. -0.03 min

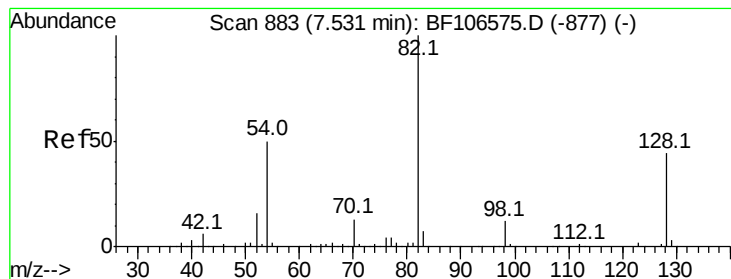
Lab File: BF107267.D

Acq: 10 Jul 2018 12:48

Tgt Ion:	136	Resp:	115842
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	6.6	9.8
68	6.7	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: 66.624 ng

RT: 7.50 min Scan# 878

Delta R.T. -0.04 min

Lab File: BF107267.D

Acq: 10 Jul 2018 12:48

Instrument :

BNA_F

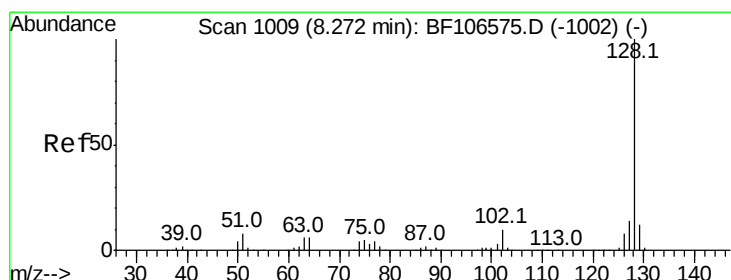
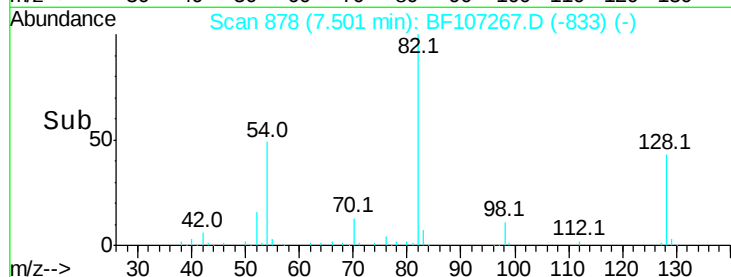
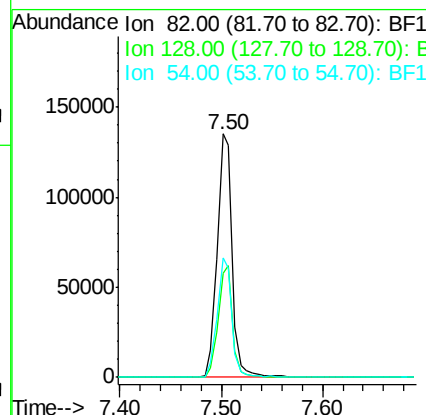
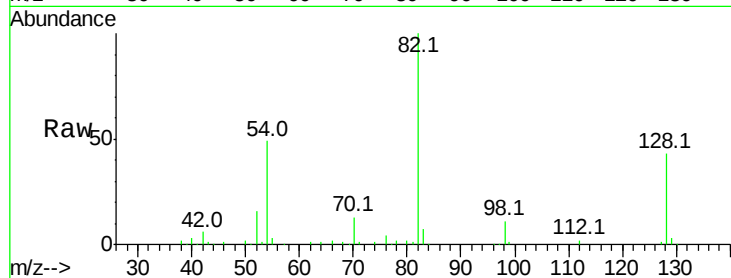
ClientSampleId :

SURCHARGE-SP-7RE

Tot Ion:	82	Resp:	138876
Ion Ratio	Lower	Upper	
82	100		
128	42.8	36.1	54.1
54	49.2	41.4	62.2

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#31

Naphthalene

Concen: 2.065 ng

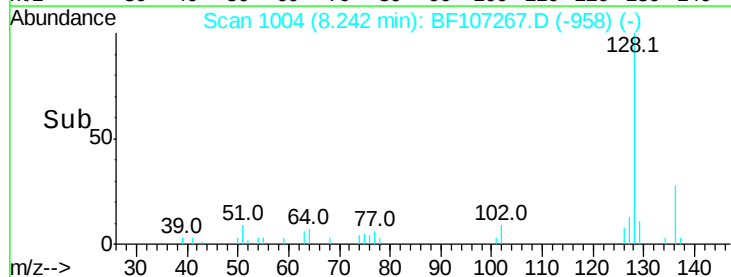
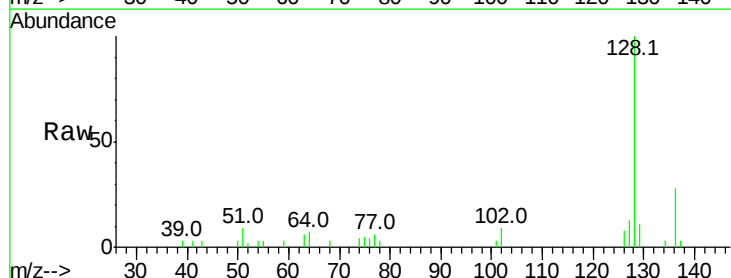
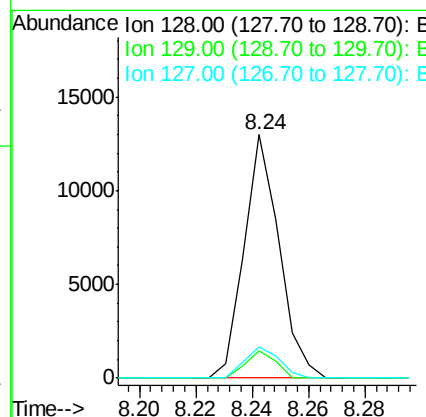
RT: 8.24 min Scan# 1004

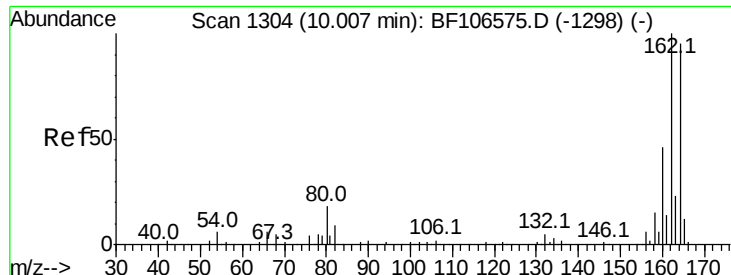
Delta R.T. -0.03 min

Lab File: BF107267.D

Acq: 10 Jul 2018 12:48

Tgt Ion:	128	Resp:	11185
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	12.9	10.9	16.3





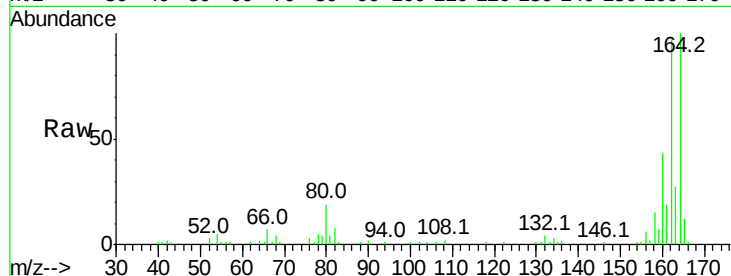
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-7RE

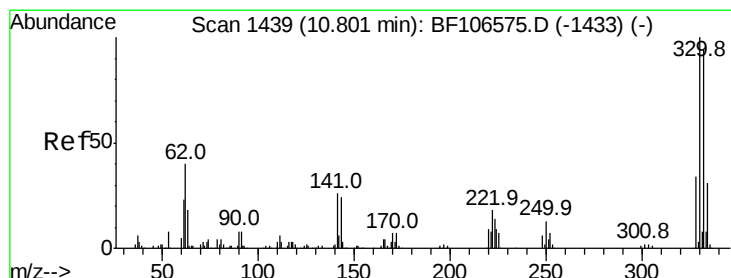
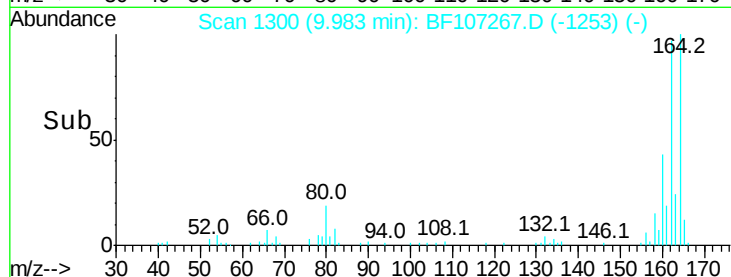
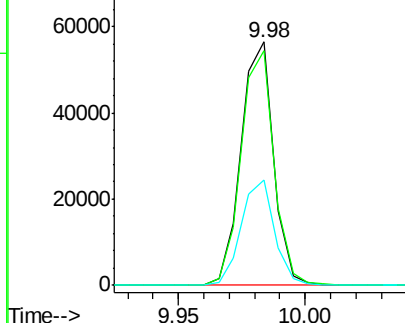
Tot Ion	Ratio	Lower	Upper
164	100		
162	96.5	86.1	129.1
160	43.3	38.3	57.5

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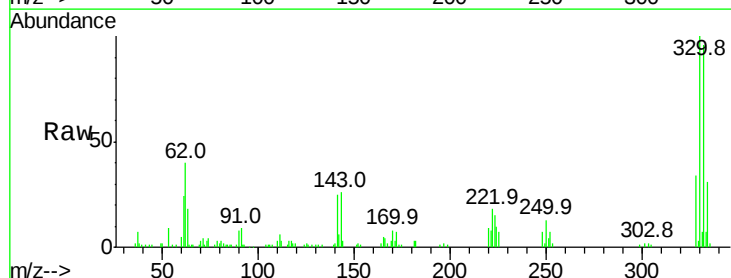


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

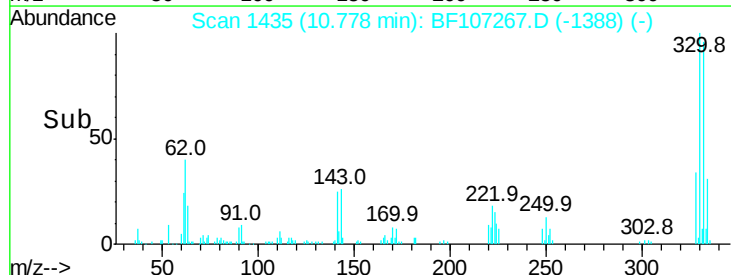
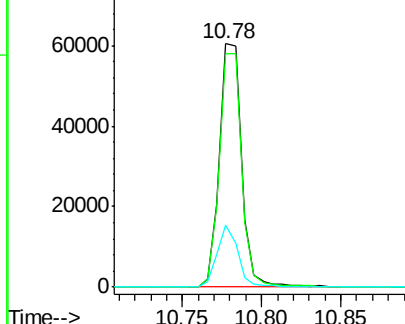


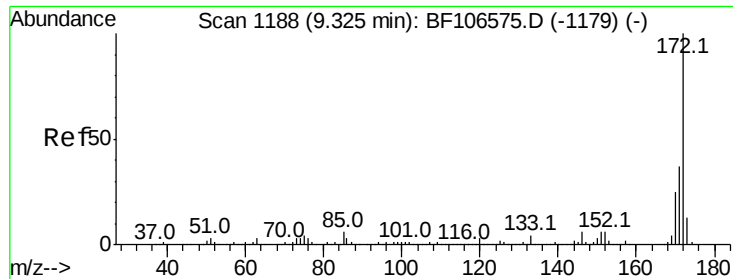
#41
2,4,6-Tribromophenol
Concen: 101.199 ng
RT: 10.78 min Scan# 1435
Delta R.T. -0.02 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	24.0	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





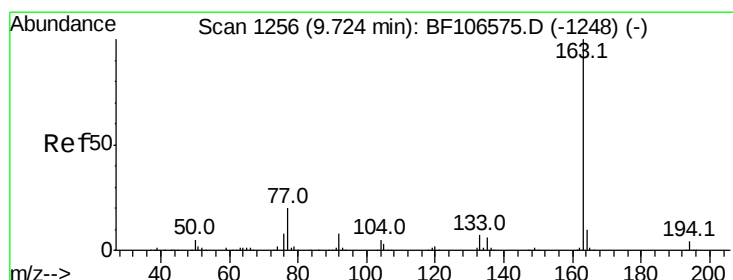
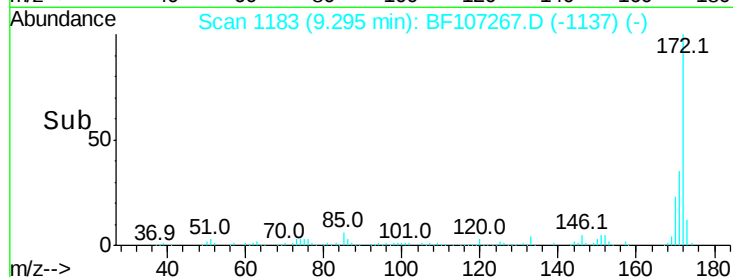
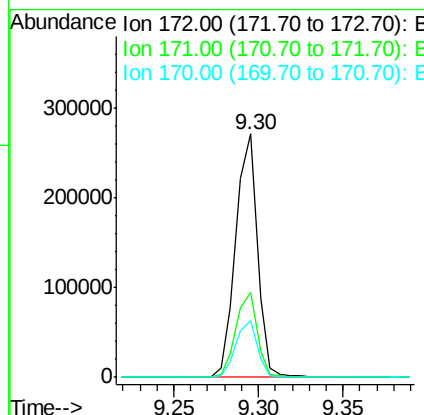
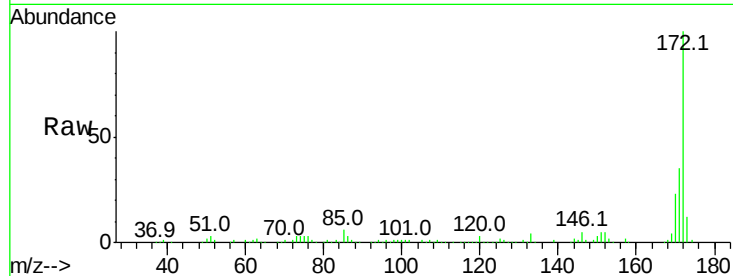
#44
2-Fluorobiphenyl
Concen: 81.454 ng
RT: 9.30 min Scan# 1183
Delta R.T. -0.03 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-7RE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	242825		
171	34.9		29.7	44.5
170	23.2		19.6	29.4

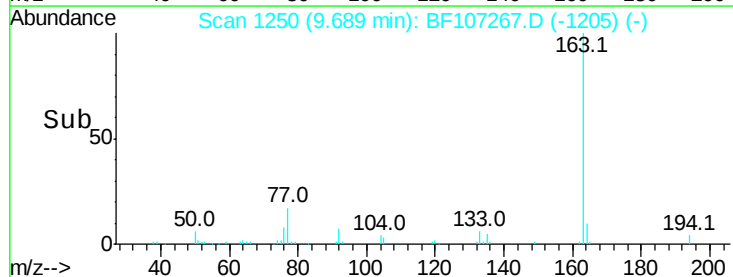
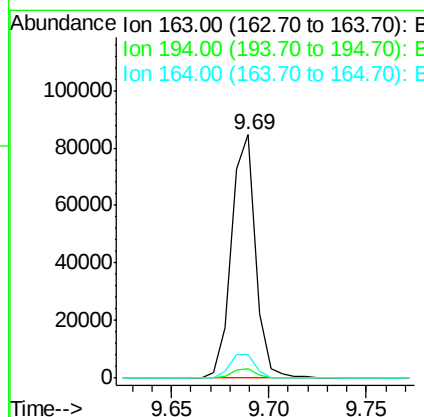
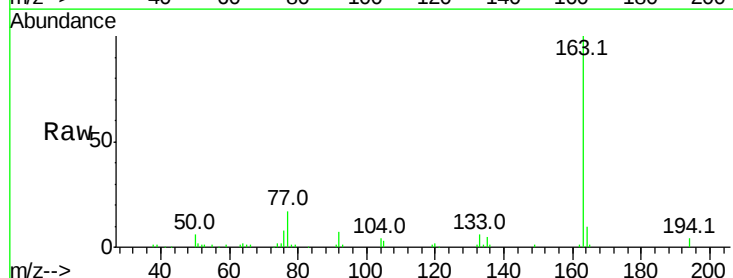
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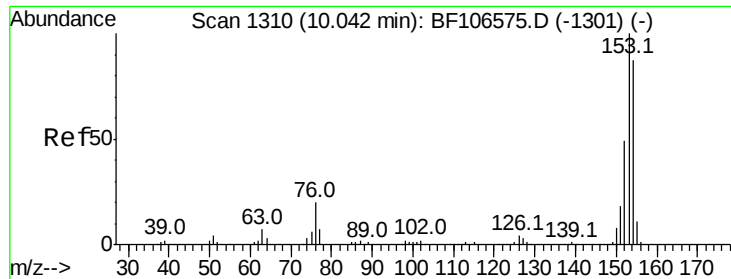
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#49
Dimethylphthalate
Concen: 19.312 ng
RT: 9.69 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	72538		
194	3.7		2.7	4.1
164	9.7		8.2	12.2





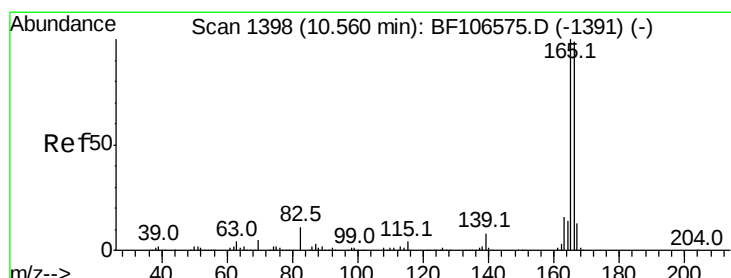
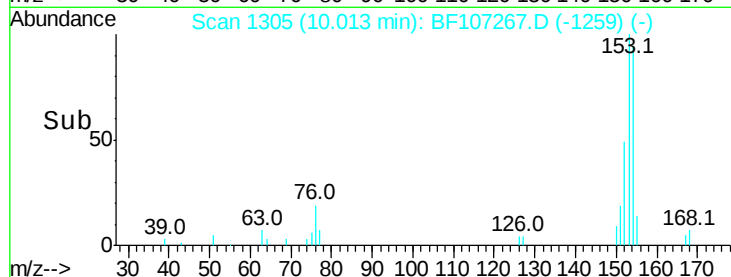
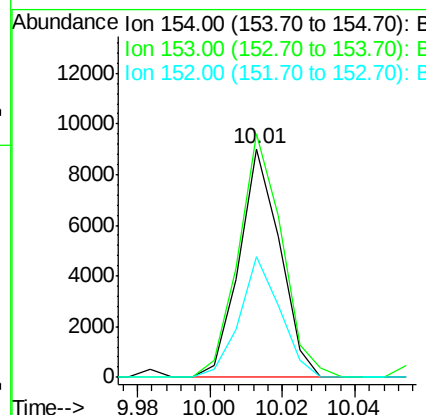
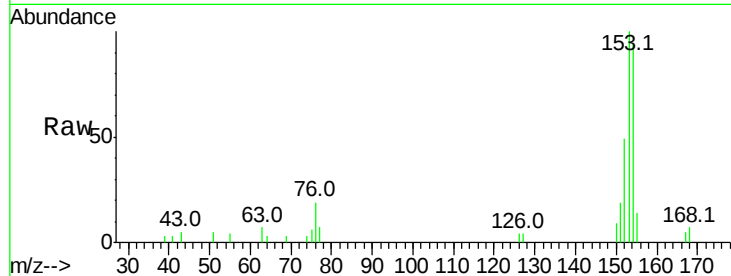
#51
Acenaphthene
Concen: 2.257 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.03 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-7RE

Tot Ion	Ratio	Lower	Upper
154	100		
153	106.6	91.2	136.8
152	52.7	43.8	65.8

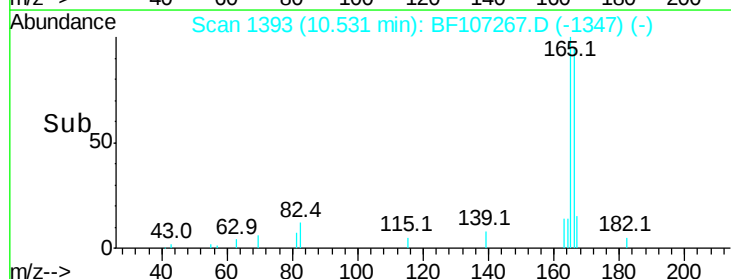
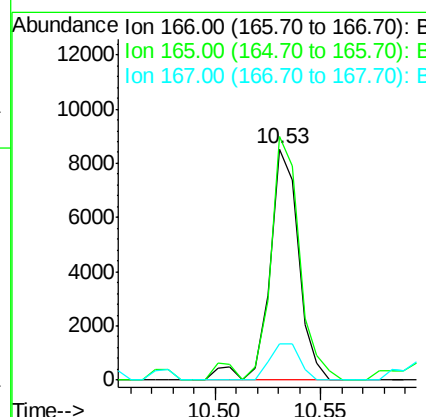
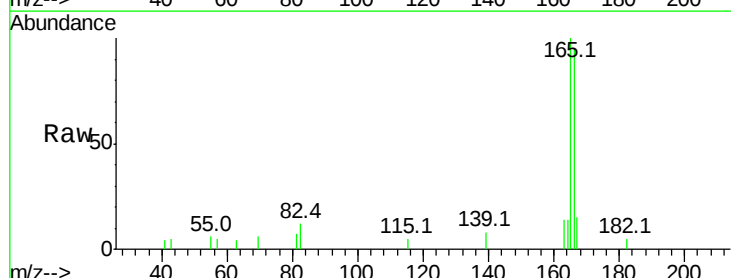
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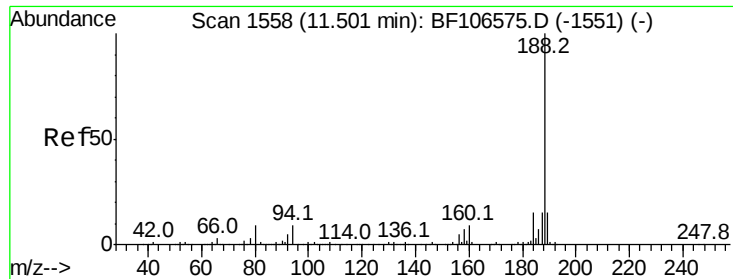
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#57
Fluorene
Concen: 2.400 ng
RT: 10.53 min Scan# 1393
Delta R.T. -0.03 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.3	79.8	119.8
167	15.8	10.6	16.0





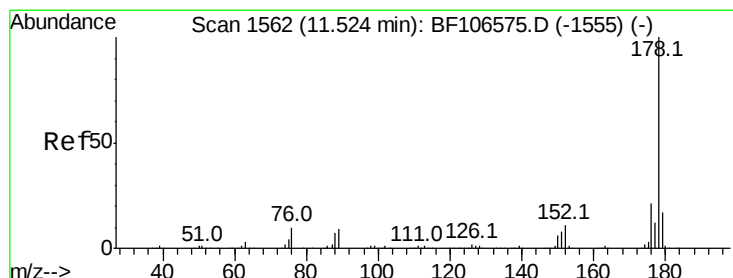
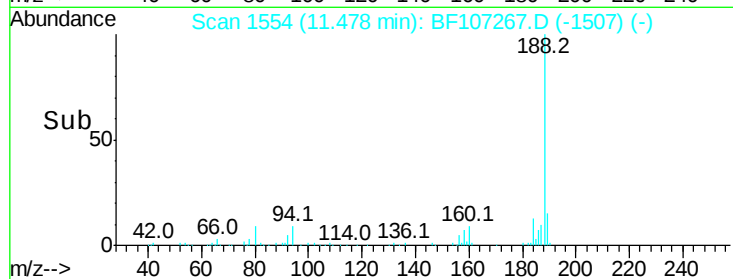
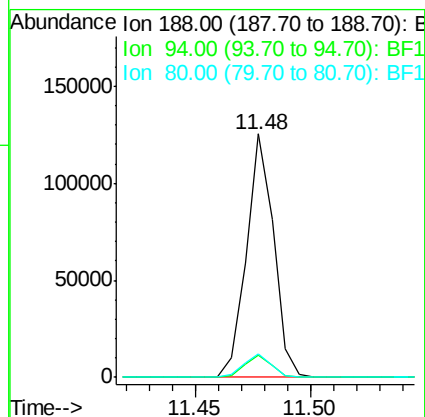
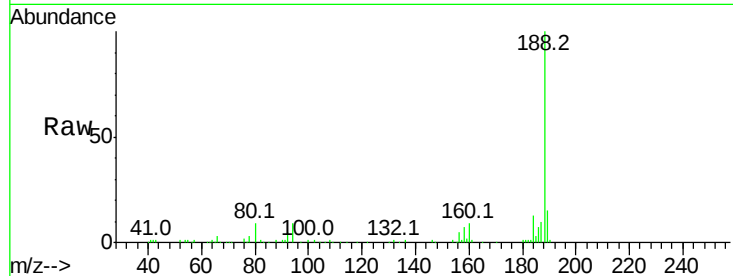
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-7RE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	103412		
94	9.0		8.5	12.7
80	9.5		9.2	13.8

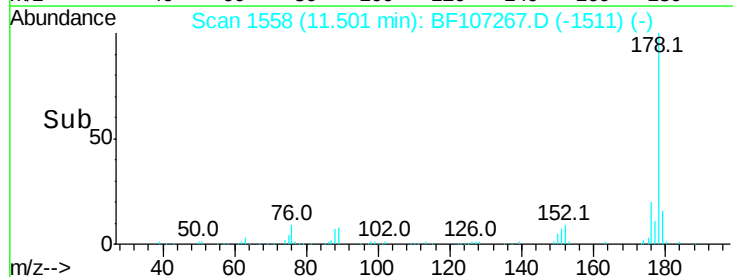
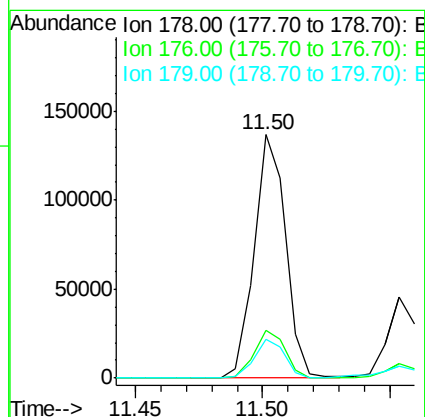
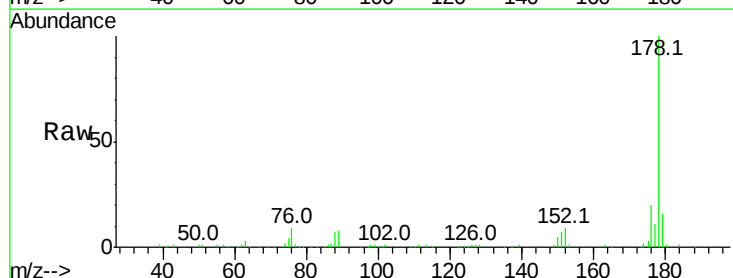
Manual Integrations
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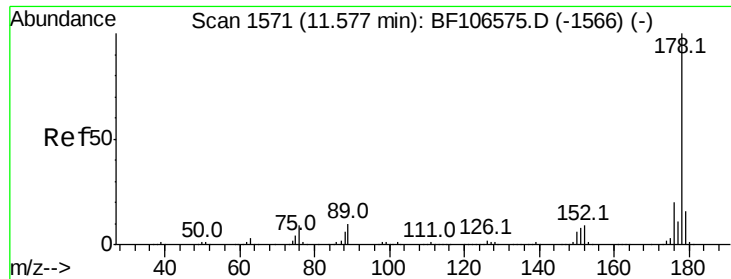
Sohil
7/11/2018 11:22:29 AM



#70
Phenanthrene
Concen: 23.739 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	118404		
176	19.7		15.8	23.8
179	15.8		13.0	19.6





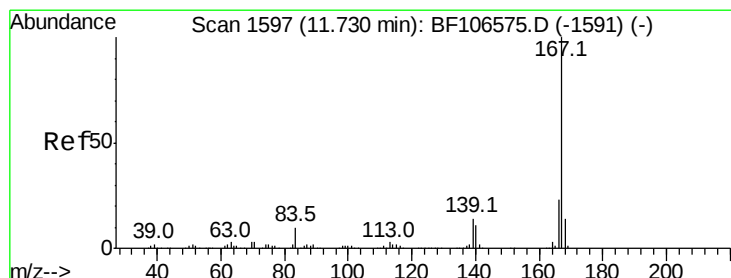
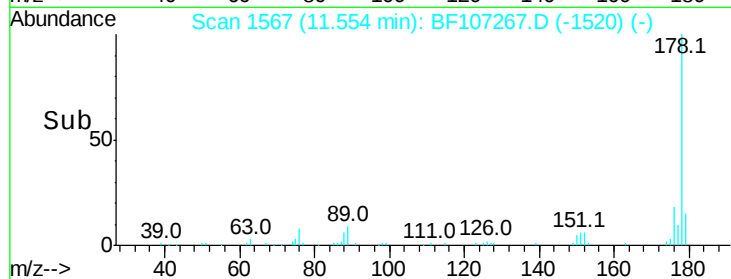
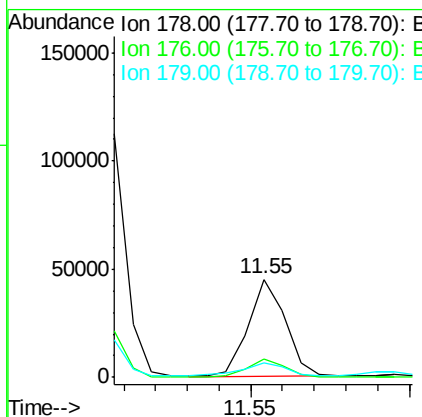
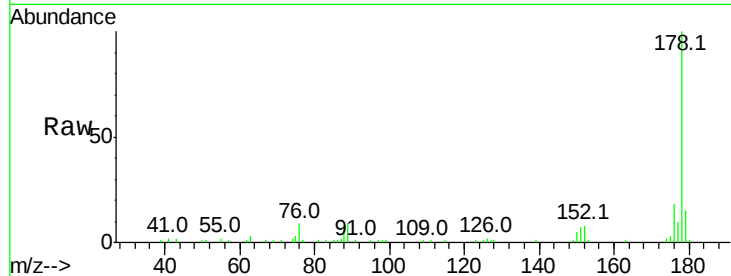
#71
 Anthracene
 Concen: 7.133 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF107267.D
 Acq: 10 Jul 2018 12:48

Instrument :
 BNA_F
 ClientSampleId :
 SURCHARGE-SP-7RE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.2	12.6	19.0

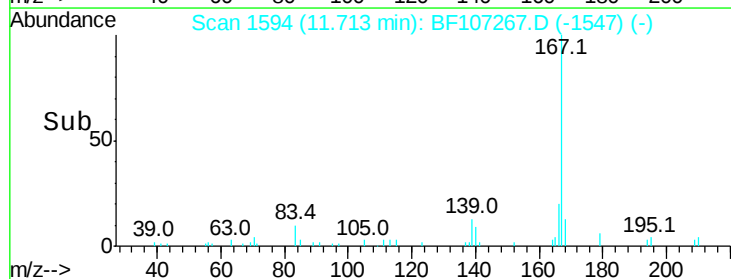
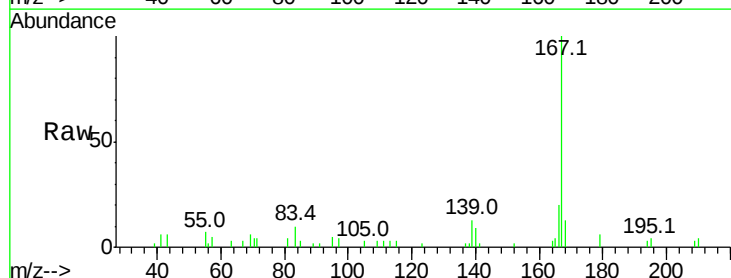
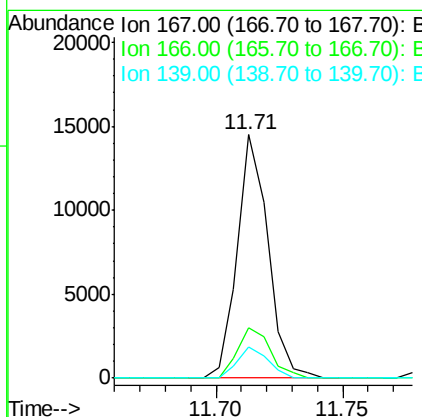
Manual Integrations
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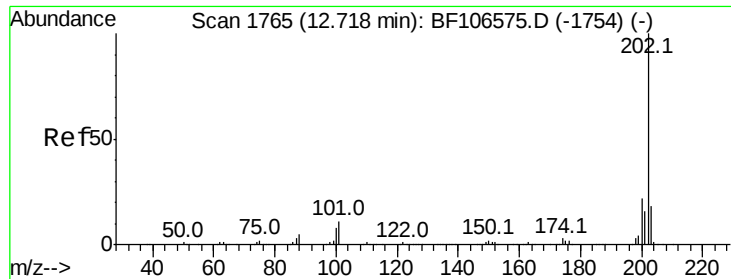
Sohil
 7/11/2018 11:22:29 AM



#72
 Carbazole
 Concen: 2.563 ng
 RT: 11.71 min Scan# 1594
 Delta R.T. -0.02 min
 Lab File: BF107267.D
 Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.6	26.4
139	12.8	10.9	16.3





#74

Fluoranthene

Concen: 42.118 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107267.D

Acq: 10 Jul 2018 12:48

Instrument :

BNA_F

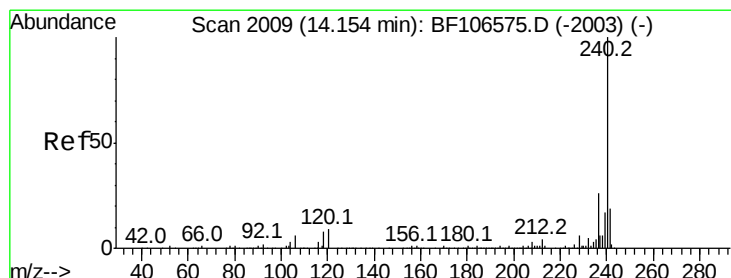
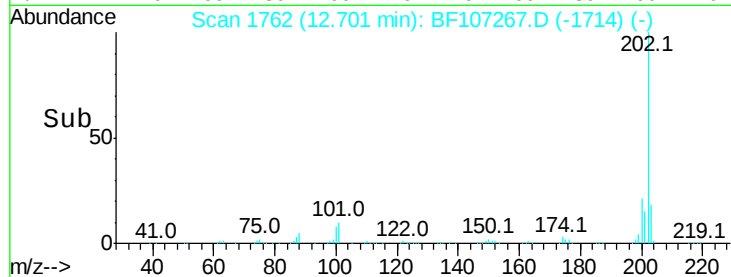
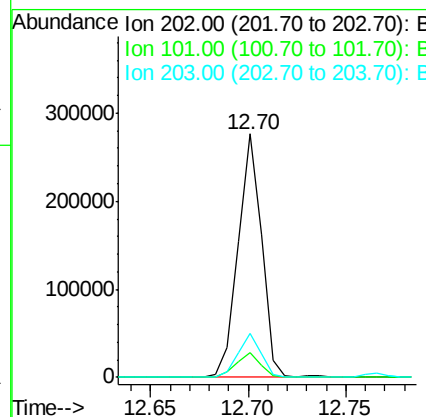
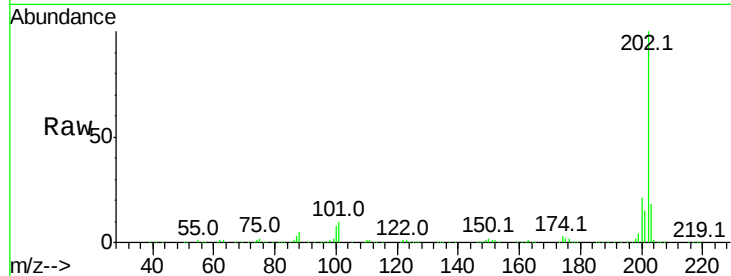
ClientSampleId :

SURCHARGE-SP-7RE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	231543		
101	10.3	0.0	34.1	
203	18.0	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

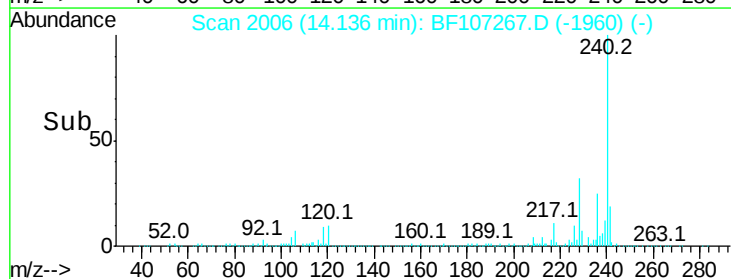
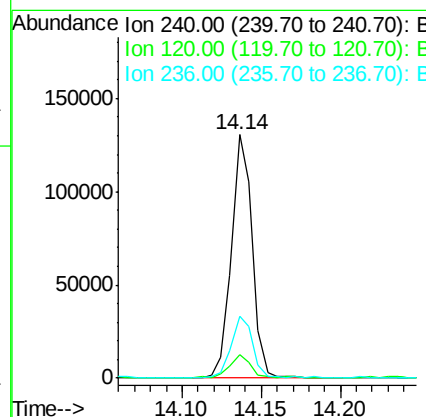
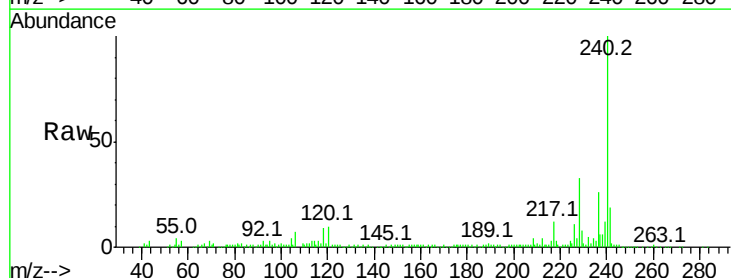
RT: 14.14 min Scan# 2006

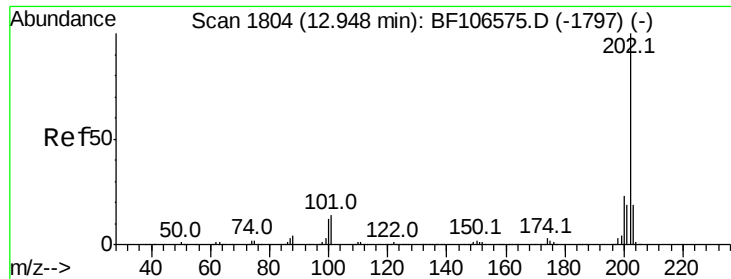
Delta R.T. -0.03 min

Lab File: BF107267.D

Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	117466		
120	9.8	9.5	14.3	
236	25.5	20.7	31.1	





#77

Pvrene

Concen: 28.746 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107267.D

Acq: 10 Jul 2018 12:48

Instrument :

BNA_F

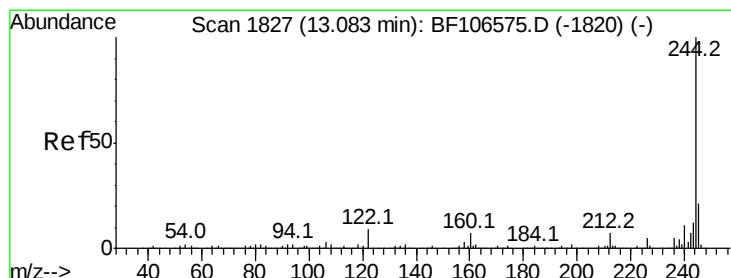
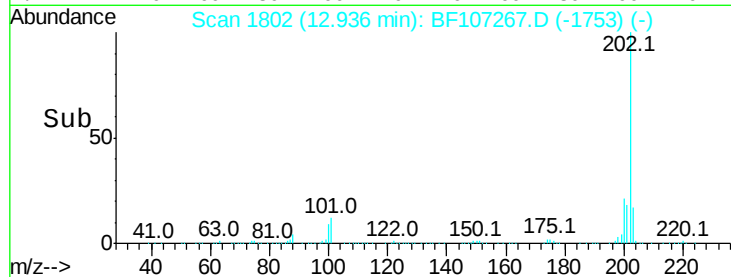
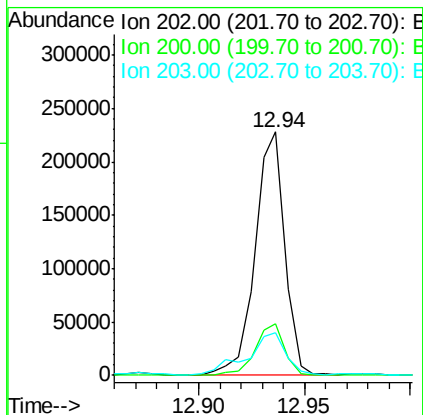
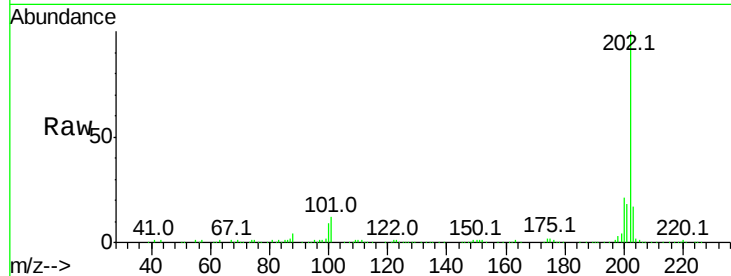
ClientSampleId :

SURCHARGE-SP-7RE

Tot Ion:	202	Resp:	222671
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 66.123 ng

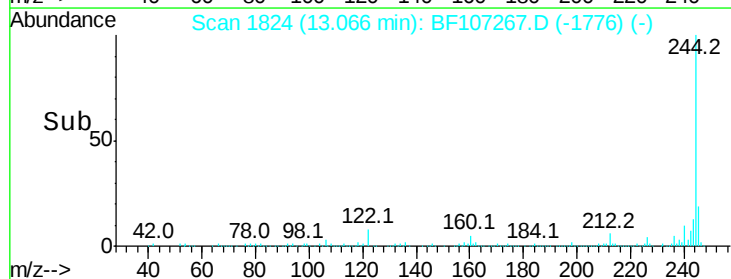
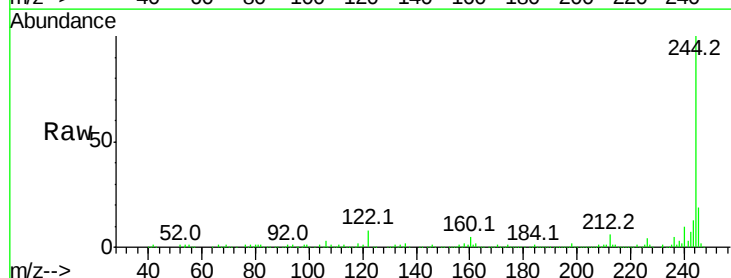
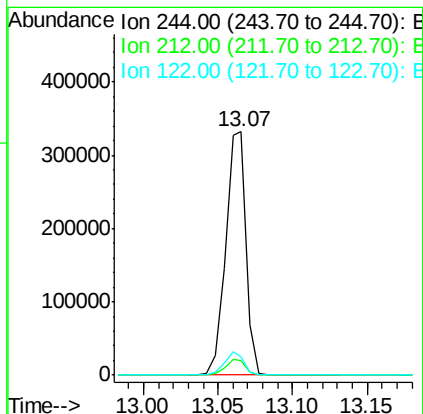
RT: 13.07 min Scan# 1824

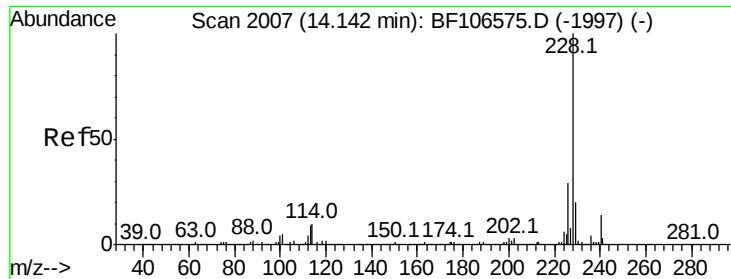
Delta R.T. -0.02 min

Lab File: BF107267.D

Acq: 10 Jul 2018 12:48

Tgt Ion:	244	Resp:	320653
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.0
122	7.6	11.0	16.4#





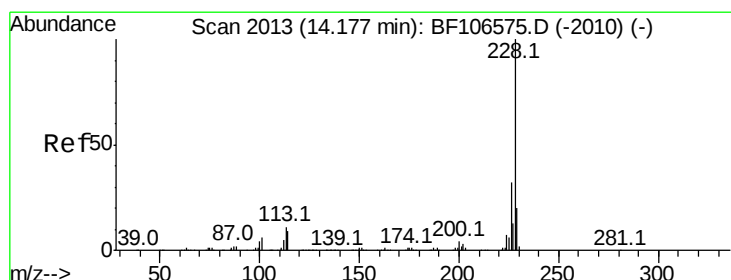
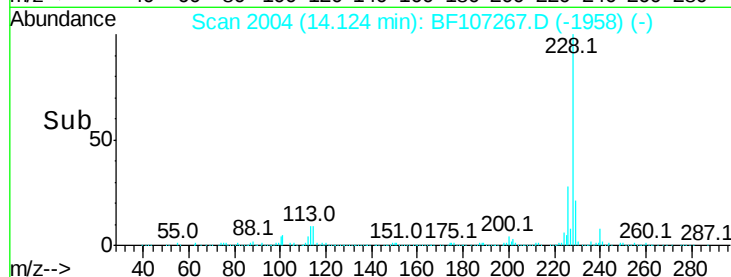
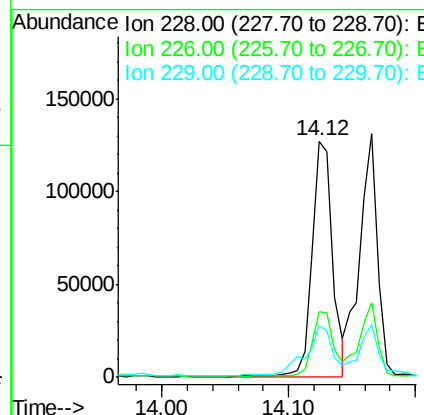
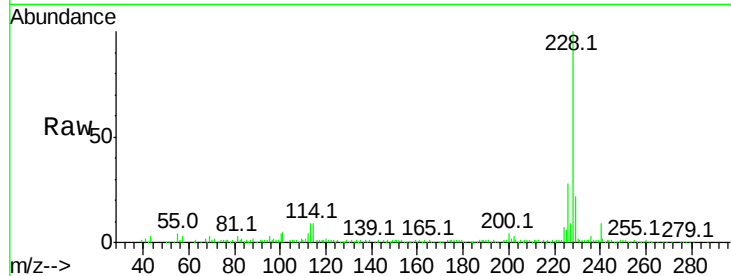
#80
Benzo(a)anthracene
Concen: 19.453 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-7RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	21.9	15.8	23.6

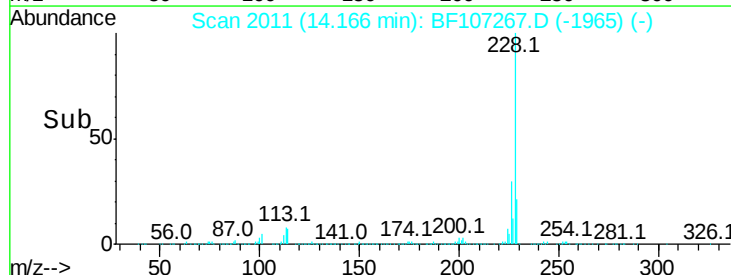
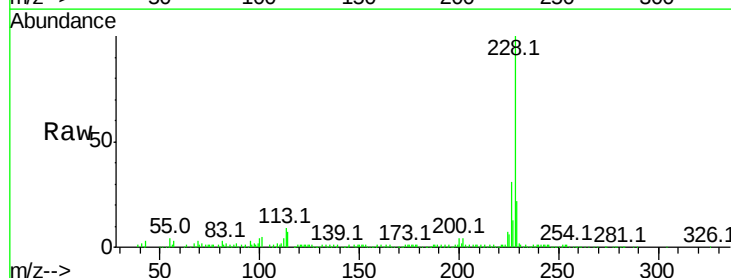
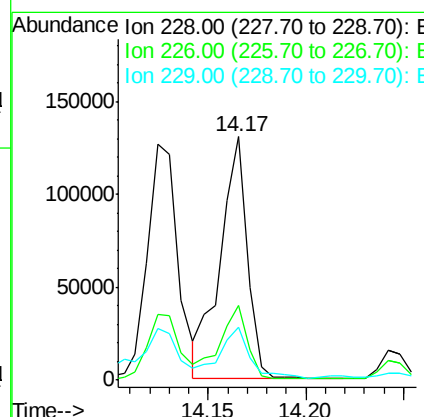
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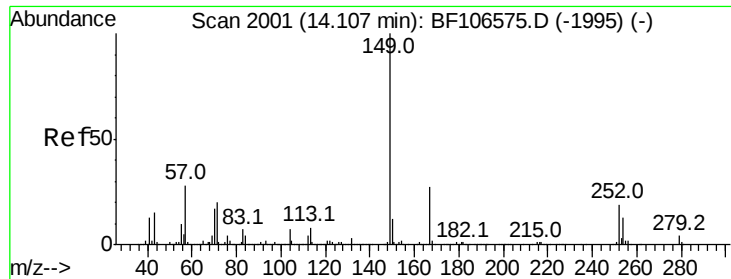
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#82
Chrysene
Concen: 19.293 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	21.8	16.2	24.4





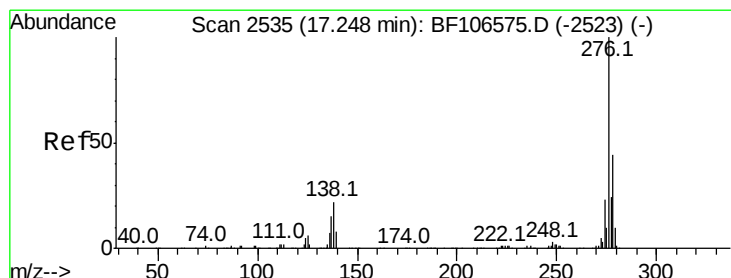
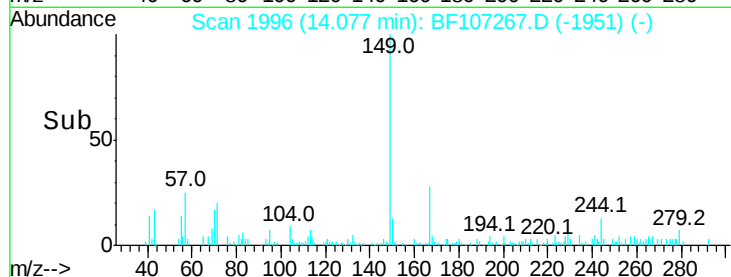
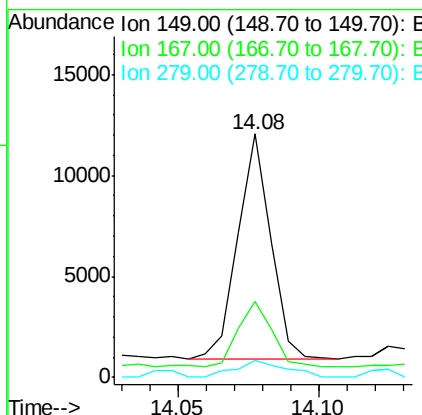
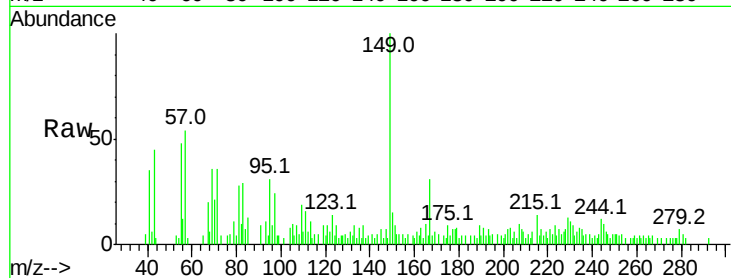
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.216 ng
RT: 14.08 min Scan# 1996
Delta R.T. -0.04 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-7RE

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.0	21.3	31.9
279	7.0	3.0	4.4

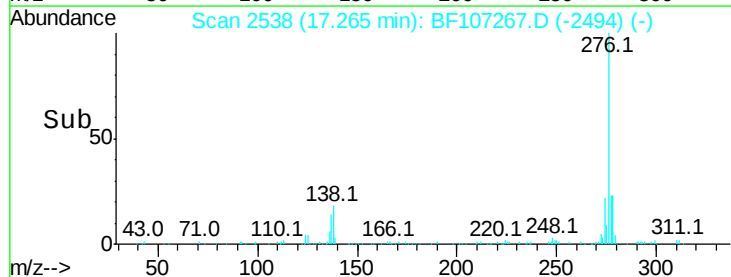
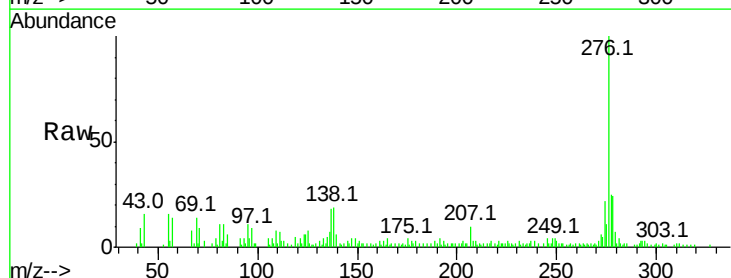
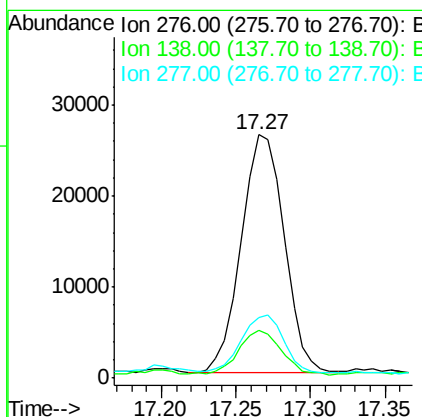
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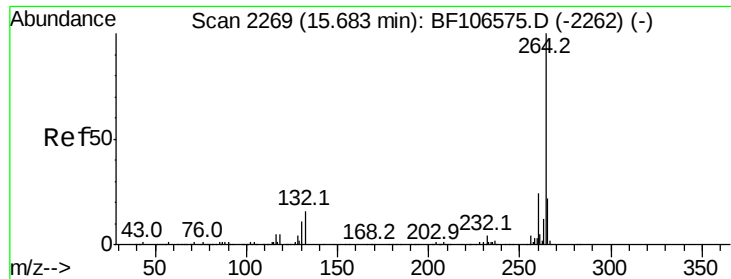
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 9.299 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.04 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.4	25.0	37.6
277	24.5	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.04 min

Lab File: BF107267.D

Acq: 10 Jul 2018 12:48

Instrument :

BNA_F

ClientSampleId :

SURCHARGE-SP-7RE

Tot Ion:264 Resp: 98000

Ion Ratio Lower Upper

264 100

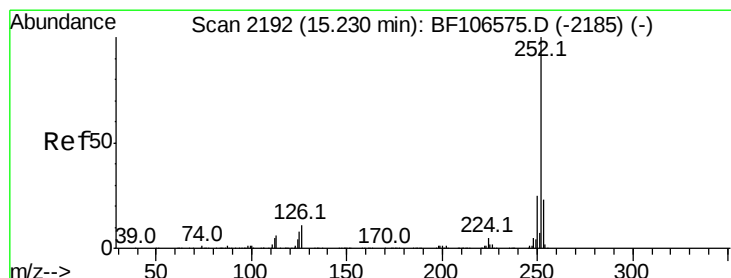
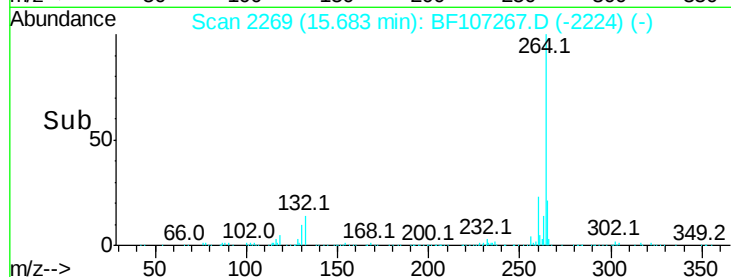
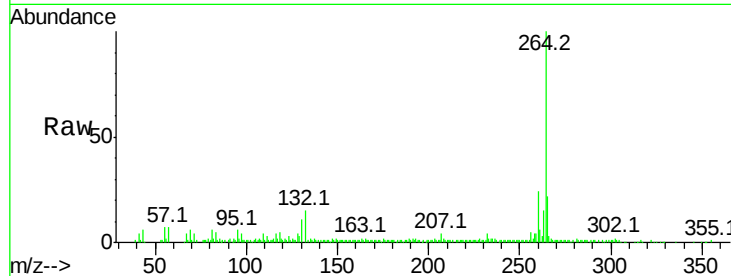
260 23.8 19.2 28.8

265 21.9 17.5 26.3

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#87

Benzo(b)fluoranthene

Concen: 23.718 ng m

RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF107267.D

Acq: 10 Jul 2018 12:48

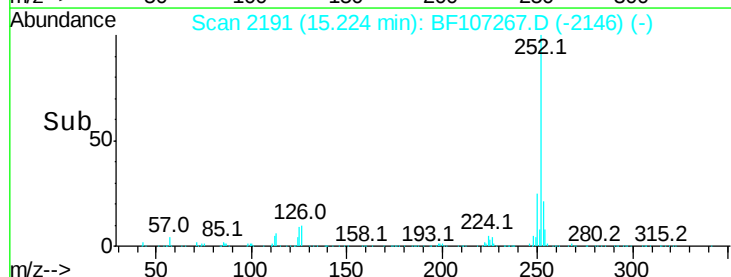
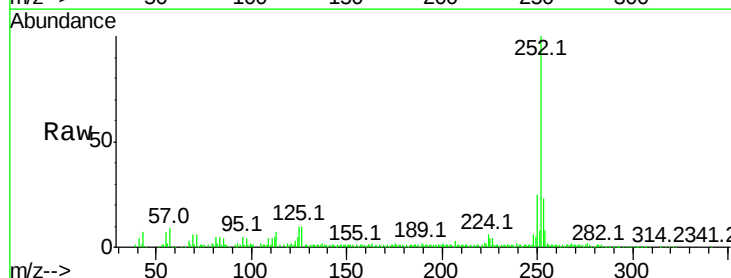
Tgt Ion:252 Resp: 144389

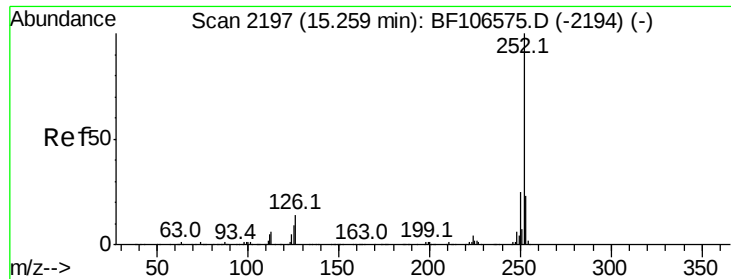
Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 10.0 9.0 13.6





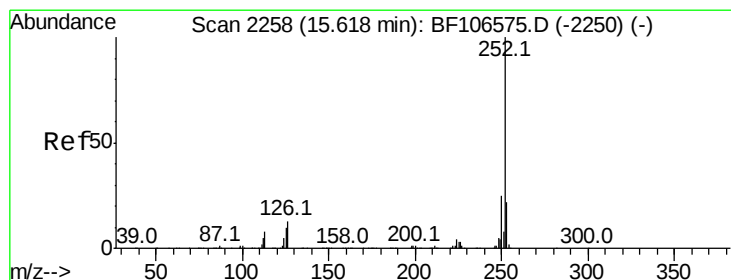
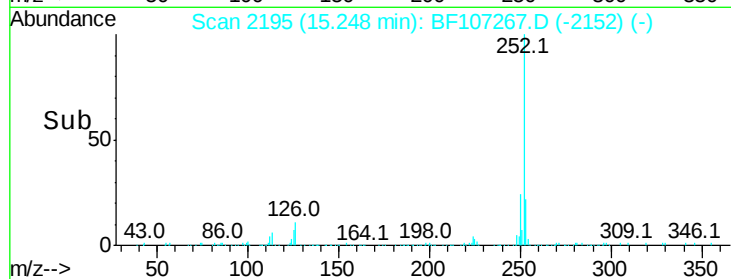
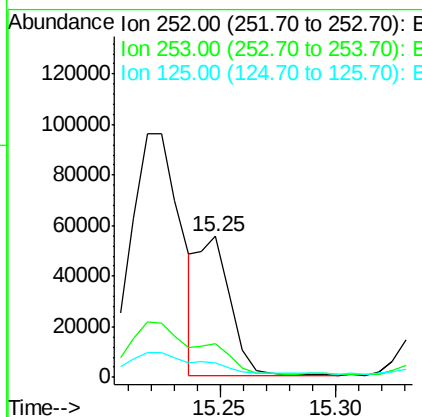
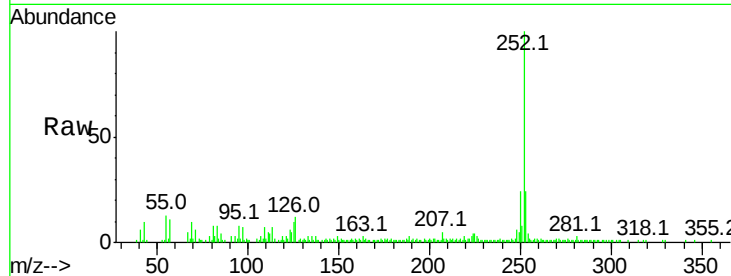
#88
Benzo(k)fluoranthene
Concen: 9.143 ng/mL
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-7RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	10.0	10.2	15.2

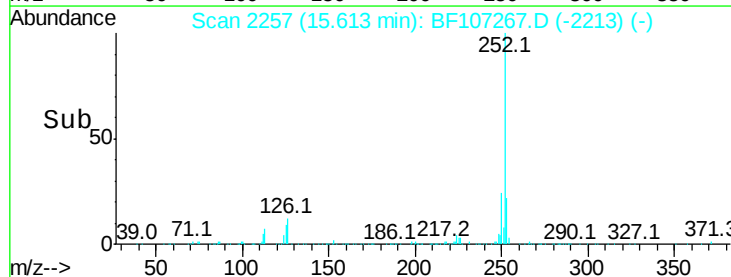
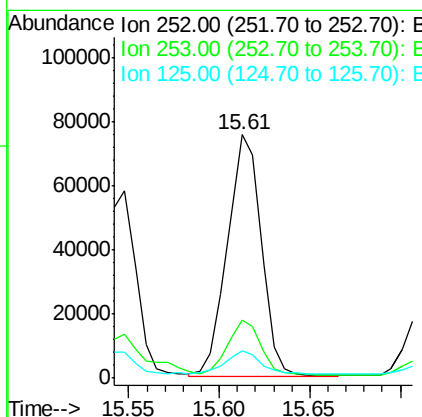
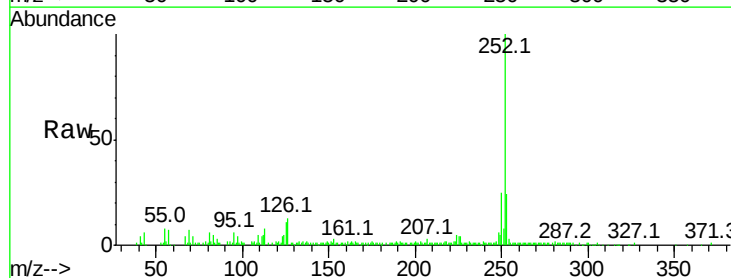
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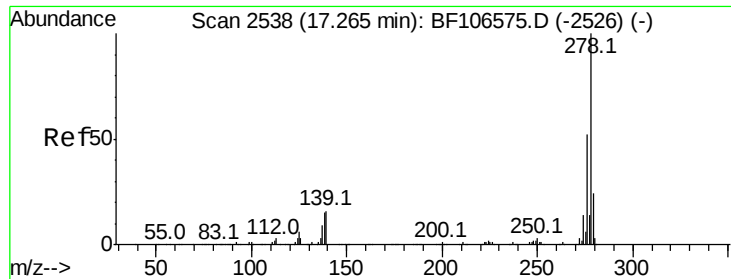
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#89
Benzo(a)pyrene
Concen: 18.082 ng/mL
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	11.3	9.8	14.6





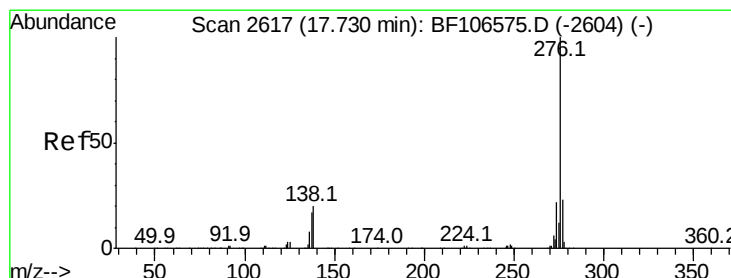
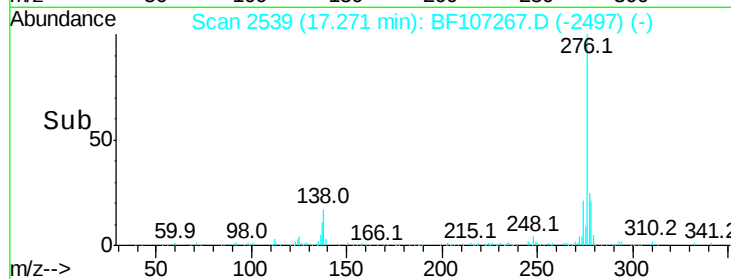
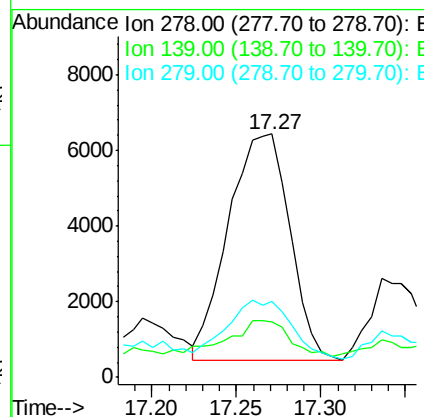
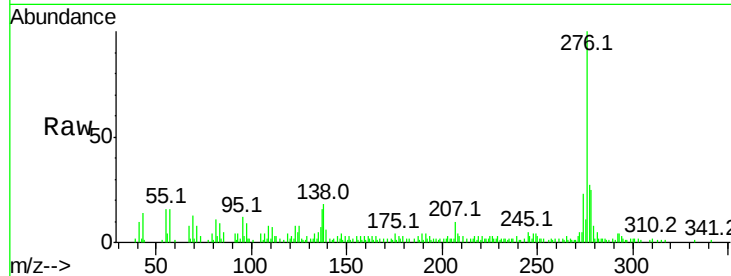
#90
Dibenzo(a,h)anthracene
Concen: 3.308 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.05 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Instrument :
BNA_F
ClientSampleId :
SURCHARGE-SP-7RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.5	15.9	23.9
279	31.2	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 11.038 ng
RT: 17.76 min Scan# 2622
Delta R.T. -0.03 min
Lab File: BF107267.D
Acq: 10 Jul 2018 12:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	17.9	26.9
138	21.4	21.8	32.8

