

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
 Data File : BF107914.D
 Acq On : 2 Aug 2018 17:28
 Operator : JU/SJ
 Sample : J4285-17 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-5

Manual Integrations
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Quant Time: Aug 02 18:08:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	110050	20.00	ng	-0.01
21) Naphthalene-d8	8.24	136	525672	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	194392	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	333932	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	356299	20.00	ng	0.00
86) Perylene-d12	15.68	264	358494	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.75	112	29642m	4.58	ng	0.15
7) Phenol-d6	6.67	99	64305m	7.54	ng	0.06
23) Nitrobenzene-d5	7.56	82	46012m	5.04	ng	0.02
41) 2,4,6-Tribromophenol	10.80	330	14352m	5.43	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	86011	6.17	ng	-0.01
78) Terphenyl-d14	13.07	244	89564	5.45	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.26	128	64987	2.660	ng	98
51) Acenaphthene	10.02	154	39664	3.301	ng	94
57) Fluorene	10.55	166	45153m	3.129	ng	
70) Phenanthrene	11.51	178	615885	38.842	ng	99
71) Anthracene	11.57	178	208392	11.394	ng	98
72) Carbazole	11.75	167	69866	3.866	ng	100
74) Fluoranthene	12.71	202	926765	49.752	ng	96
77) Pyrene	12.94	202	904612	35.259	ng	97
80) Benzo(a)anthracene	14.14	228	488925	24.224	ng	98
82) Chrysene	14.17	228	474454	21.794	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	179514	10.841	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	430460m	24.346	ng	
88) Benzo(k)fluoranthene	15.24	252	263989m	12.161	ng	
89) Benzo(a)pyrene	15.61	252	378772	20.751	ng	98
90) Dibenzo(a,h)anthracene	17.27	278	36998	2.324	ng	94
91) Benzo(g,h,i)perylene	17.74	276	179528	11.653	ng	# 92

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

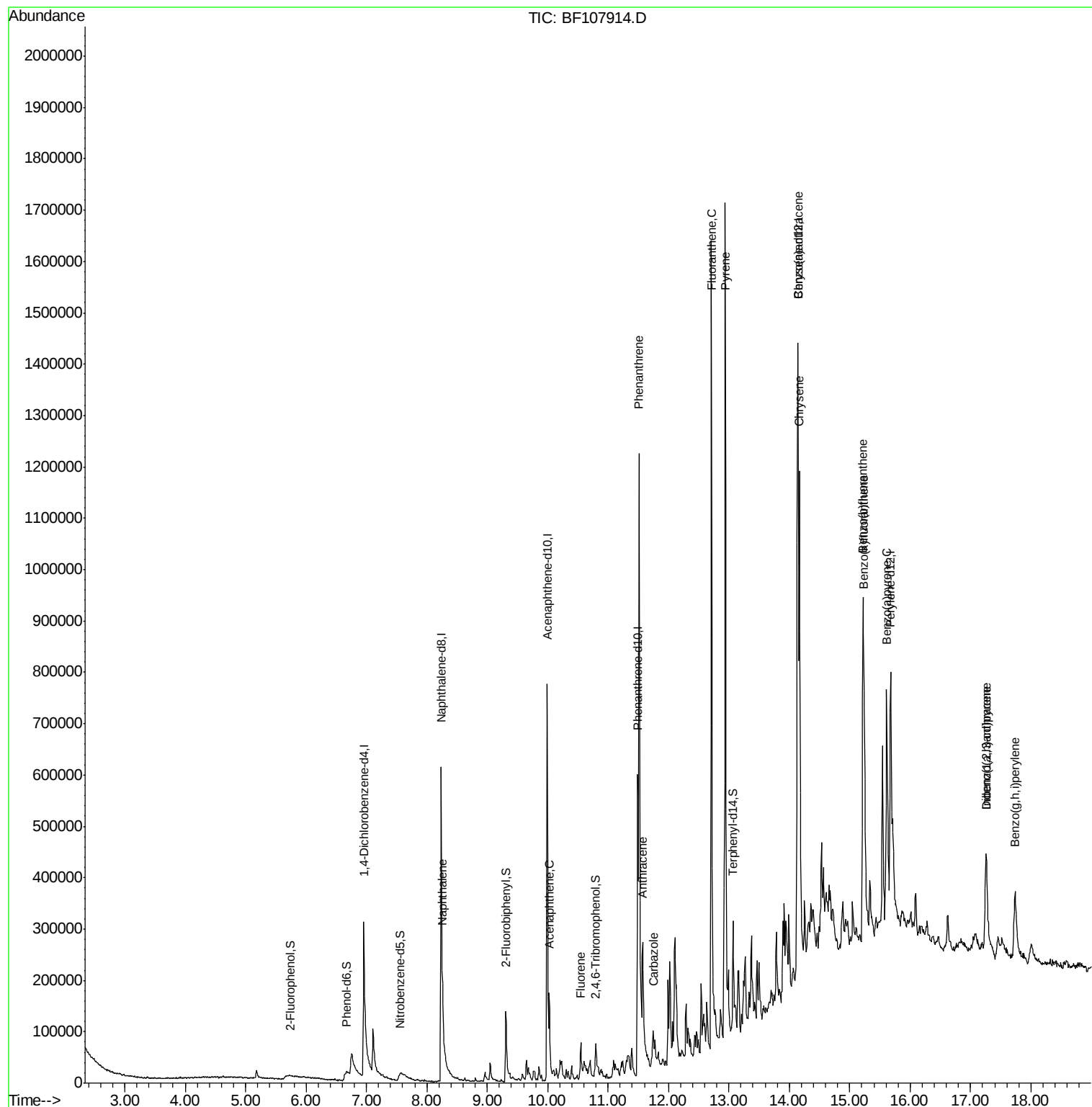
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080218\
Data File : BF107914.D
Acq On : 2 Aug 2018 17:28
Operator : JU/SJ
Sample : J4285-17 10X
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ALS Vial : 10 Sample Multiplier: 1

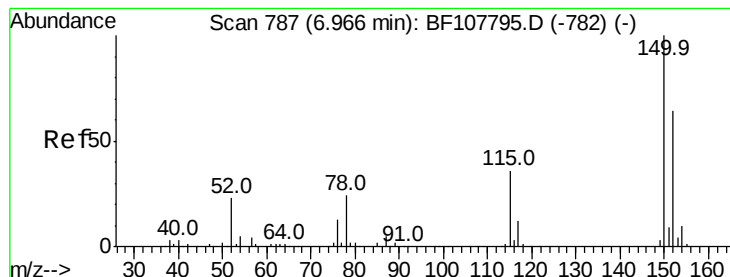
Instrument :
BNA_F
ClientSampled :
KG-PIT-5

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#1

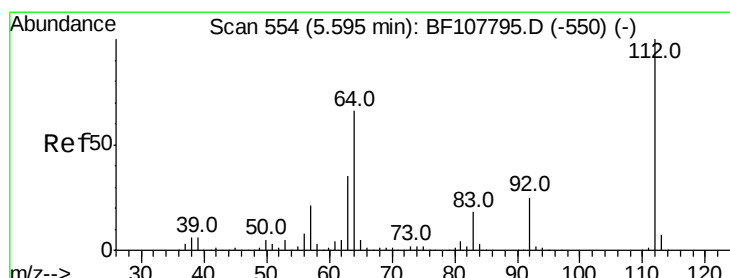
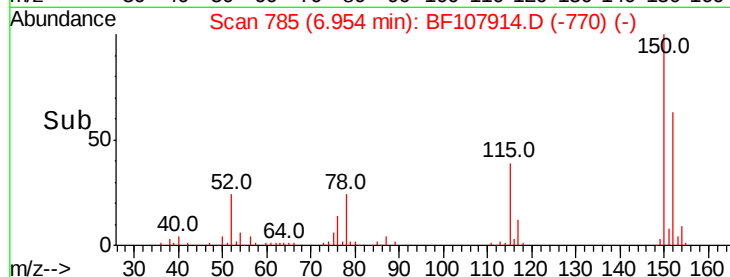
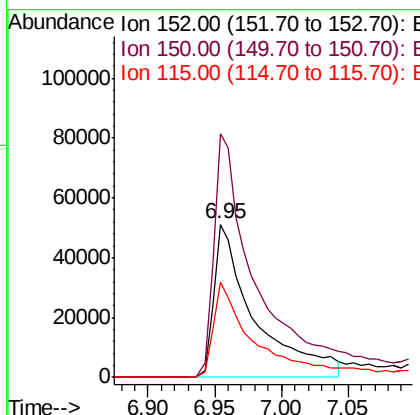
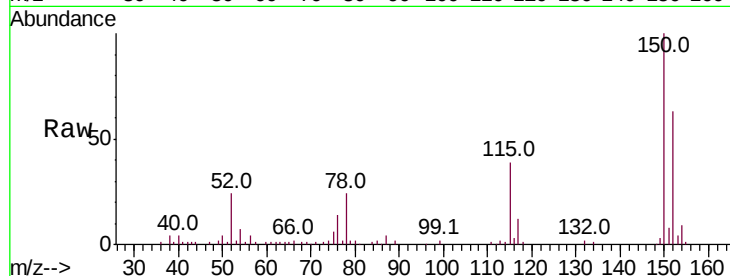
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Instrument :
BNA_F
ClientSampled :
KG-PIT-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	62.4	50.1	75.1

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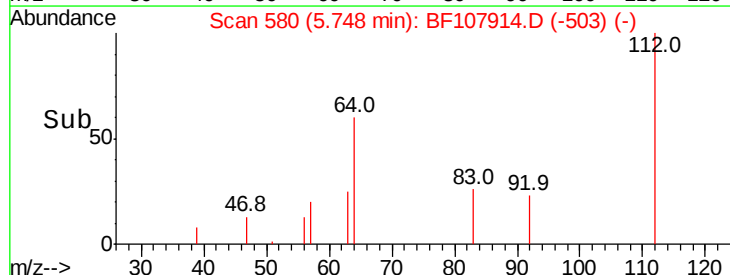
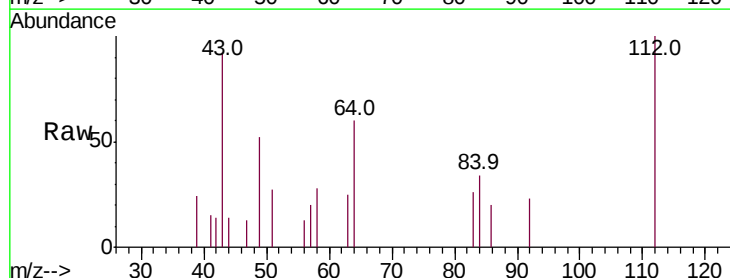
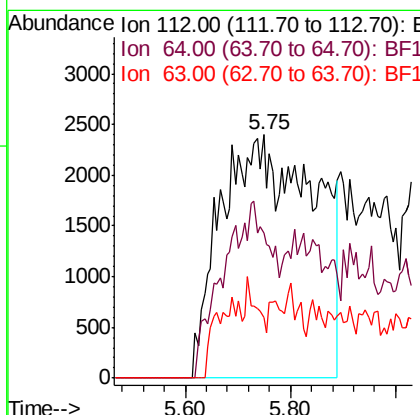
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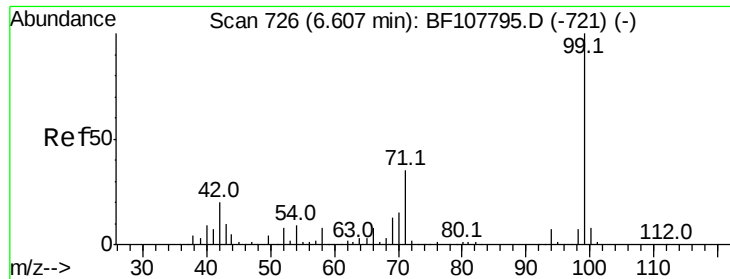


#5

2-Fluorophenol
Concen: 4.578 ng m
RT: 5.75 min Scan# 580
Delta R.T. 0.15 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.9	71.9
63	25.1	23.7	35.5





#7

Phenol-d6

Concen: 7.535 ng/ml

RT: 6.67 min Scan# 737

Delta R.T. 0.06 min

Lab File: BF107914.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_F

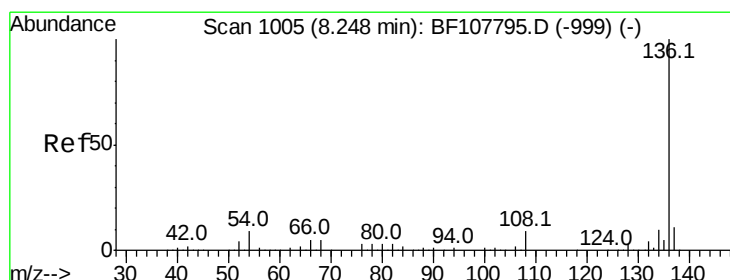
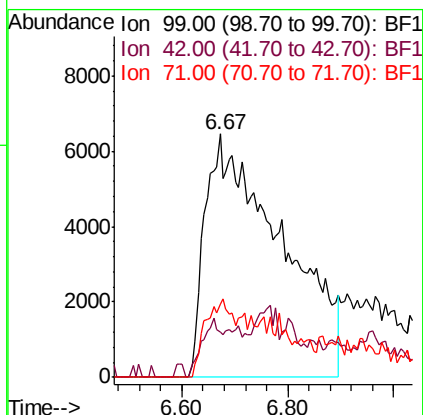
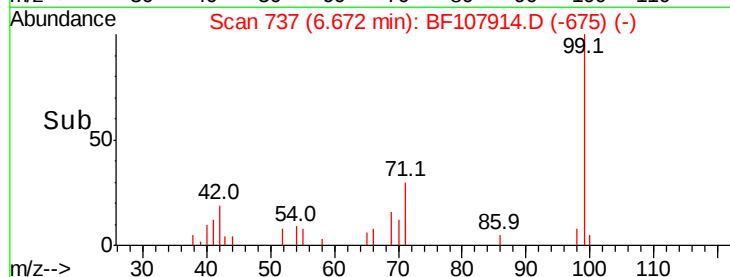
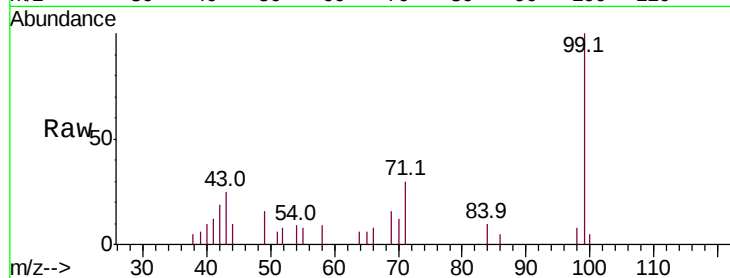
ClientSampled :

KG-PIT-5

Tot Ion:	99	Resp:	64305
Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.5	21.7
71	30.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

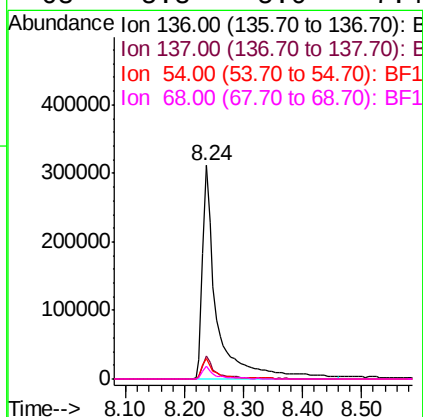
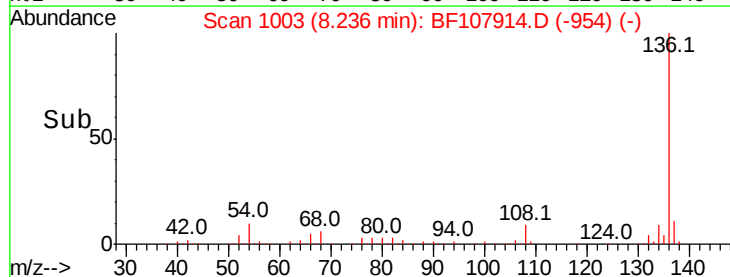
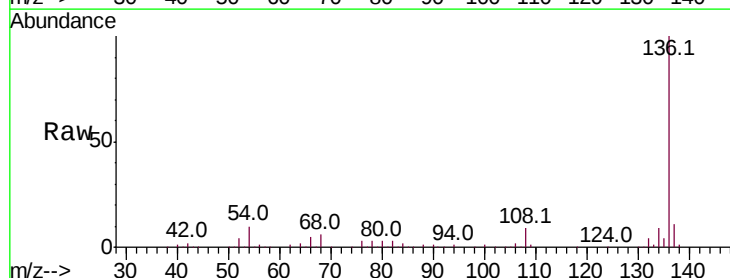
RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107914.D

Acq: 2 Aug 2018 17:28

Tgt Ion:	136	Resp:	525672
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.7	6.6	9.8
68	5.8	5.0	7.4





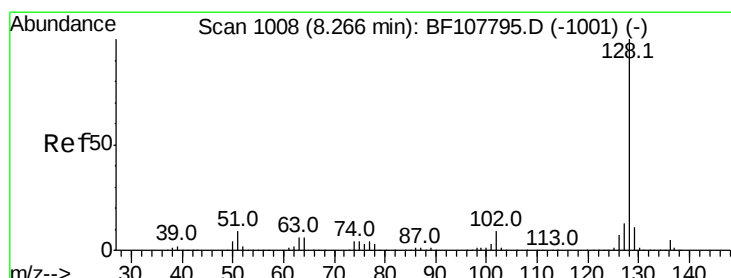
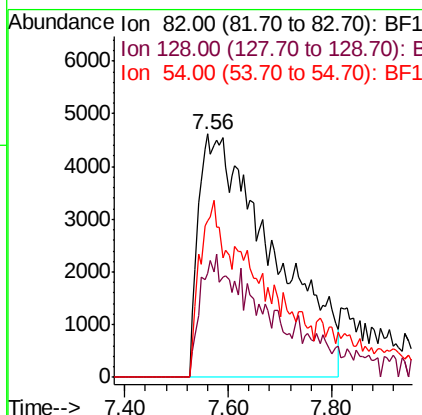
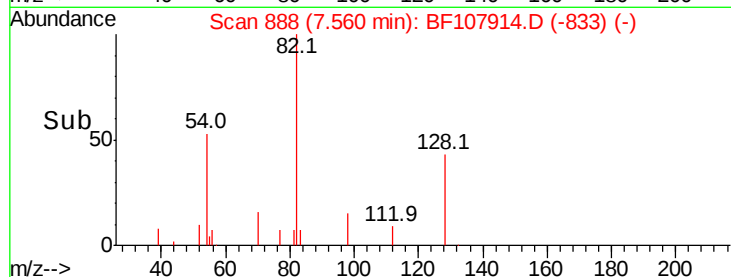
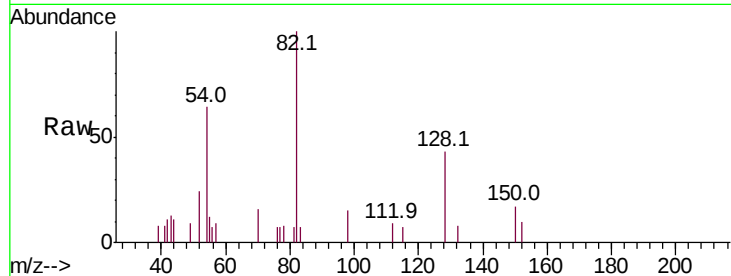
#23
Nitrobenzene-d5
Concen: 5.043 ng/ml
RT: 7.56 min Scan# 888
Delta R.T. 0.02 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Instrument :
BNA_F
ClientSampleId :
KG-PIT-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	64.2	41.4	62.2

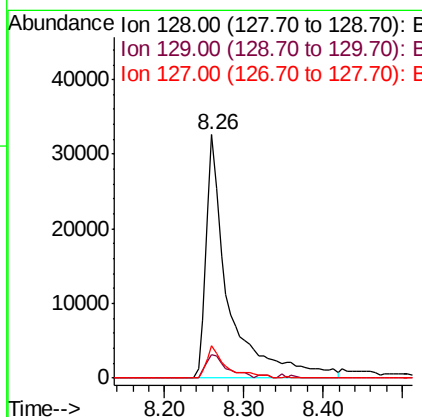
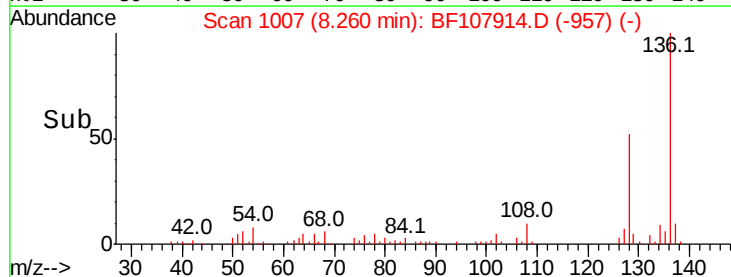
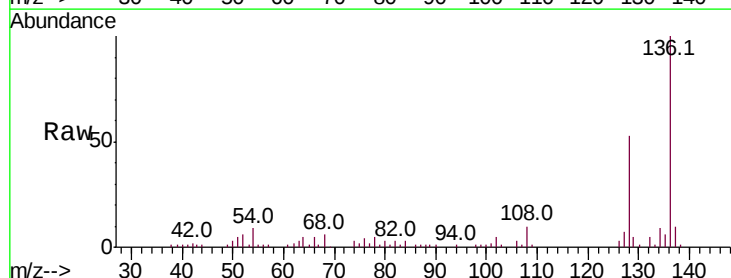
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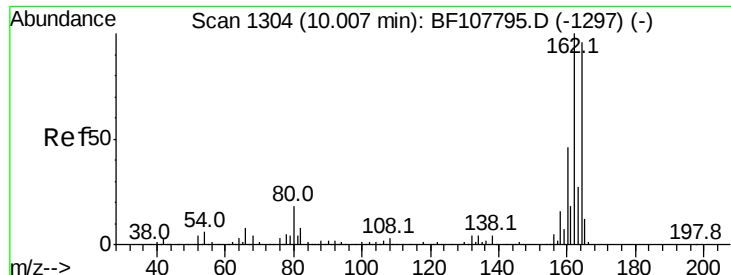
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#31
Naphthalene
Concen: 2.660 ng/ml
RT: 8.26 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.5	8.8	13.2
127	13.3	10.9	16.3





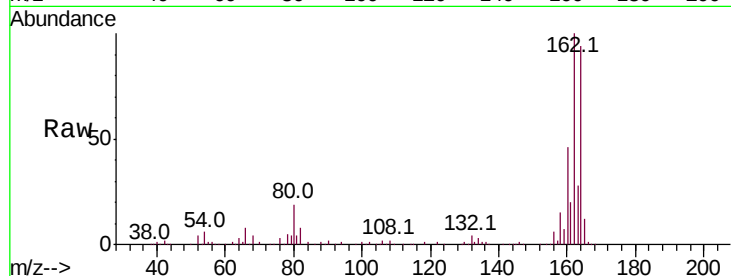
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF107914.D
 Acq: 2 Aug 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-5

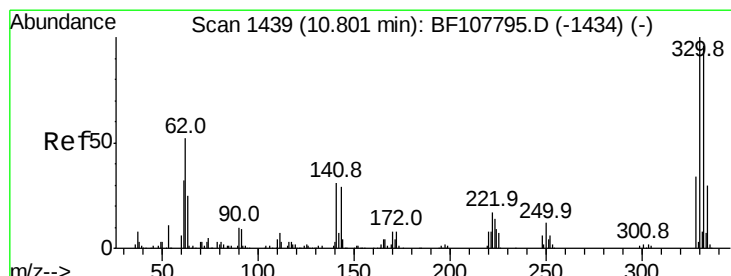
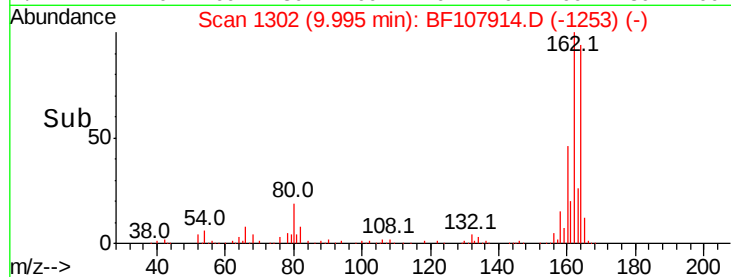
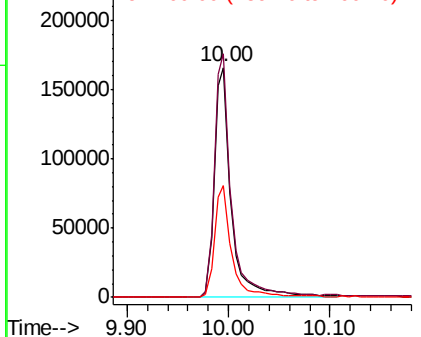
Tot Ion	Ratio	Resp	Lower	Upper
164	100	194392		
162	105.9	86.1	129.1	
160	48.8	38.3	57.5	

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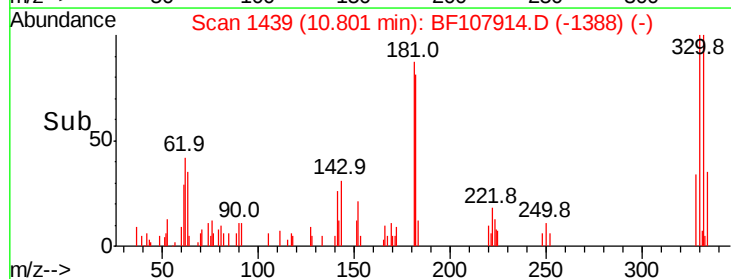
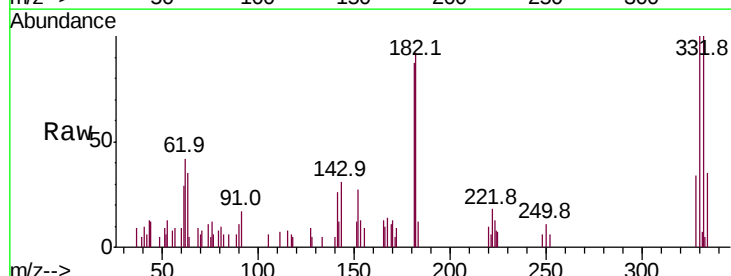
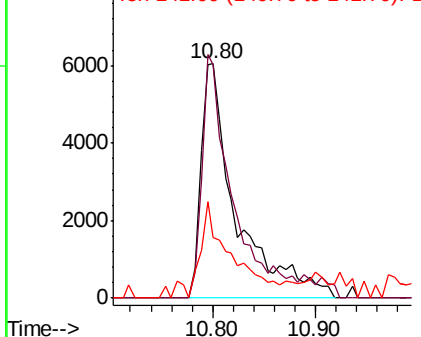
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

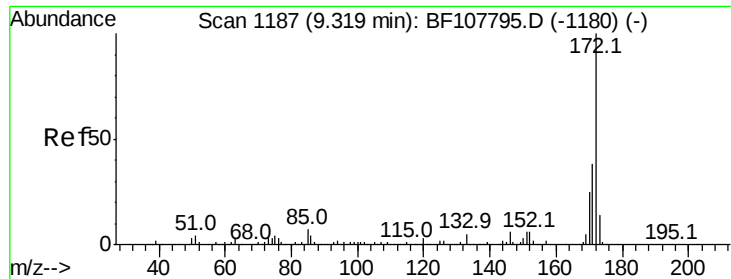


#41
 2,4,6-Tribromophenol
 Concen: 5.433 ng m
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF107914.D
 Acq: 2 Aug 2018 17:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	14352		
332	90.0	77.0	115.6	
141	38.6	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: 6.166 ng

RT: 9.31 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF107914.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_F

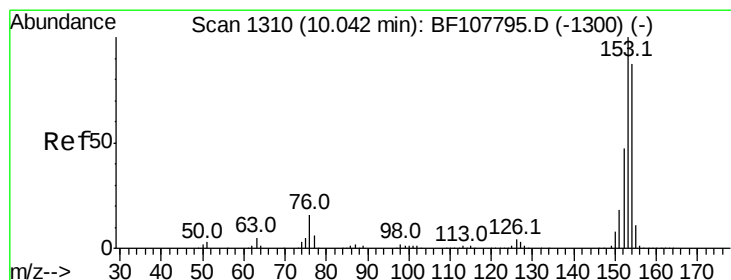
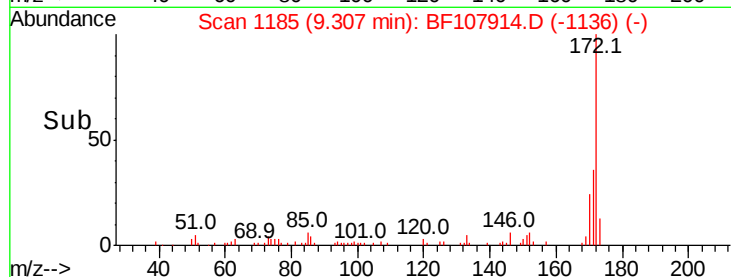
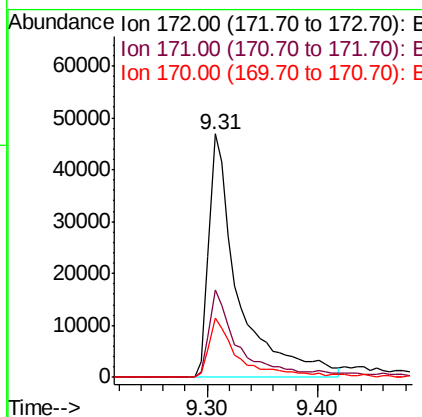
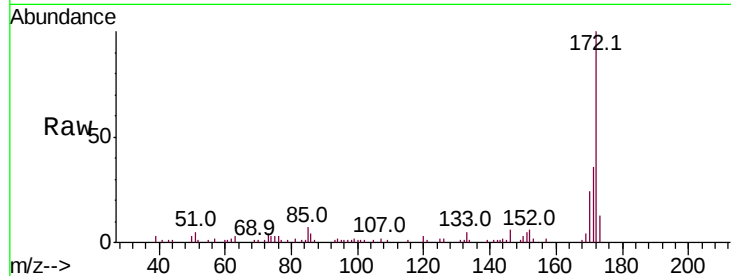
ClientSampleId :

KG-PIT-5

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.1	19.6	29.4

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#51

Acenaphthene

Concen: 3.301 ng

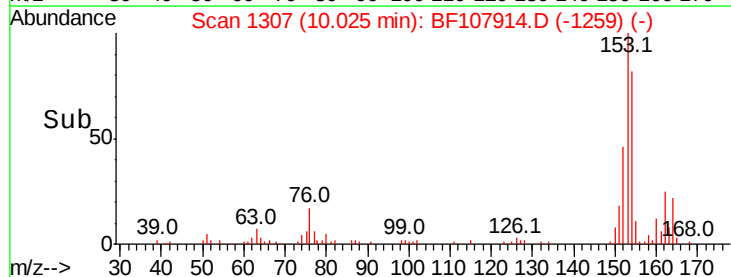
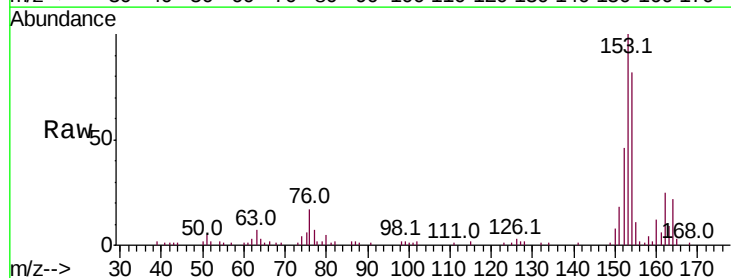
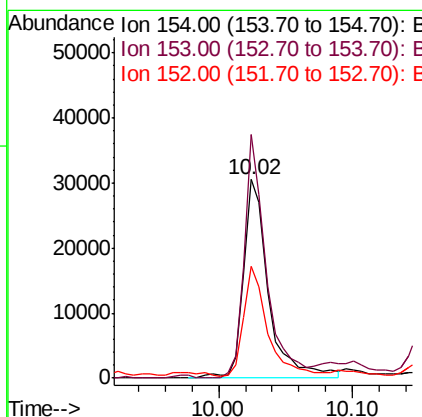
RT: 10.02 min Scan# 1307

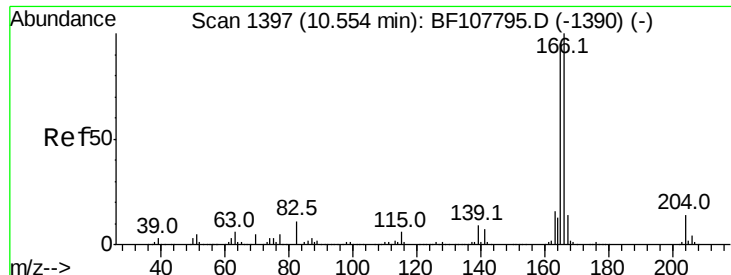
Delta R.T. -0.02 min

Lab File: BF107914.D

Acq: 2 Aug 2018 17:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	122.5	91.2	136.8
152	56.4	43.8	65.8





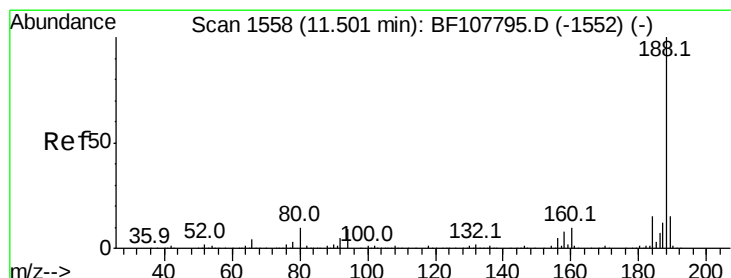
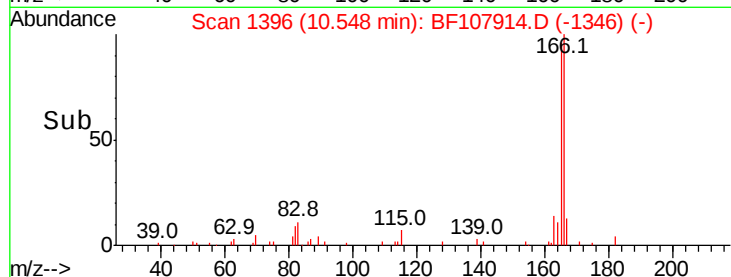
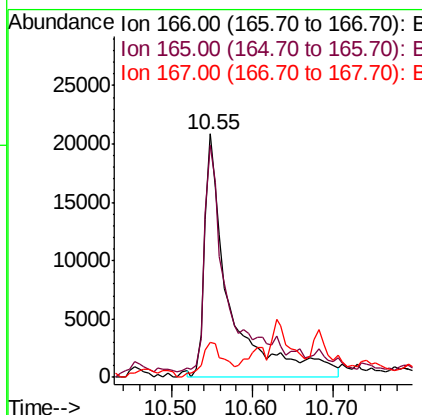
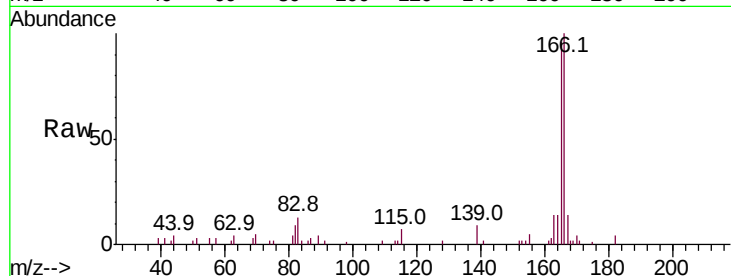
#57
Fluorene
 Concen: 3.129 ng/ml
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF107914.D
 Acq: 2 Aug 2018 17:28

Instrument :
 BNA_F
 ClientSampled :
 KG-PIT-5

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.5	79.8	119.8
167	14.4	10.6	16.0

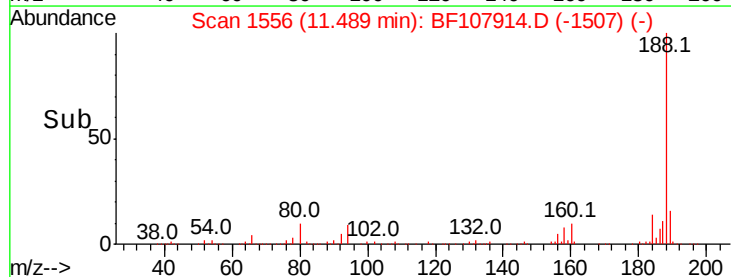
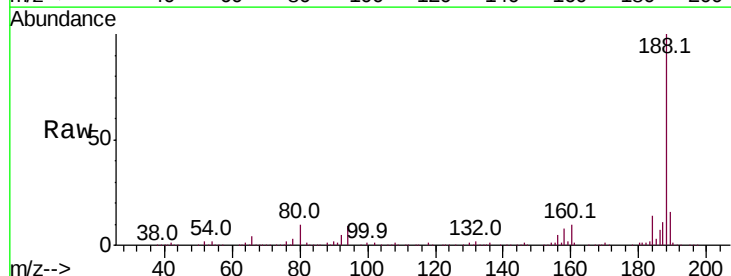
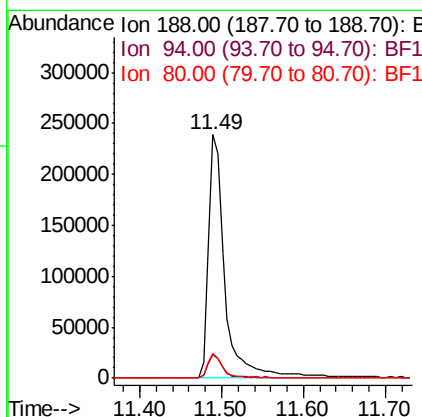
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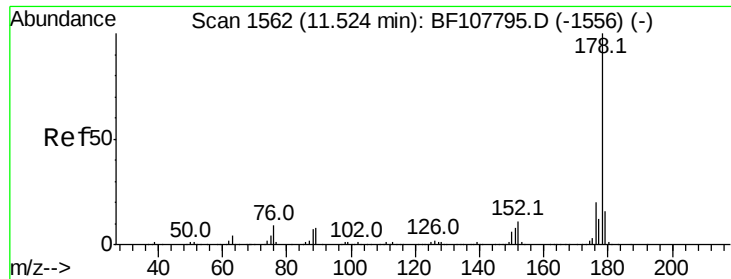
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107914.D
 Acq: 2 Aug 2018 17:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.2	9.2	13.8





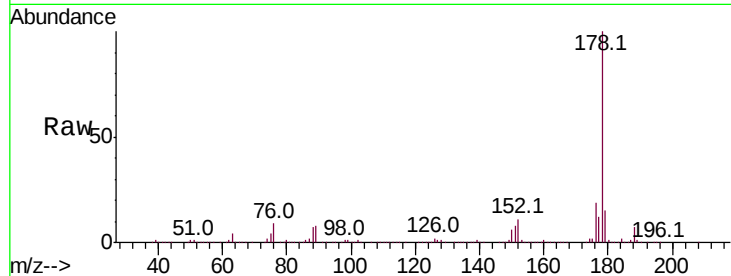
#70
Phenanthrene
Concen: 38.842 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Instrument :
BNA_F
ClientSampleId :
KG-PIT-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.4	13.0	19.6

Manual Integrations
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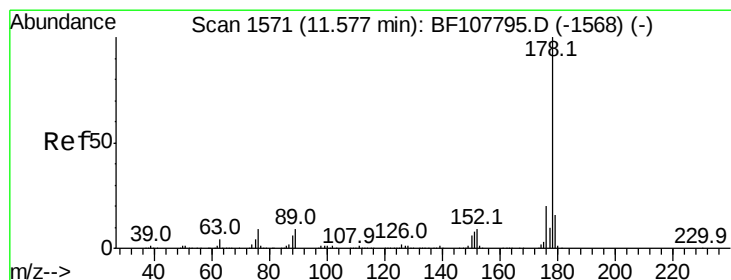
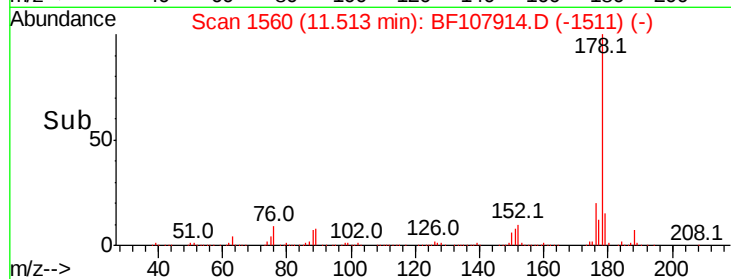
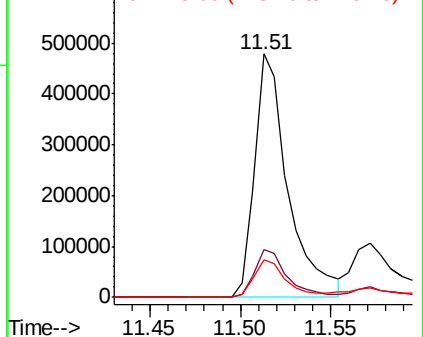


Abundance

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



#71
Anthracene
Concen: 11.394 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

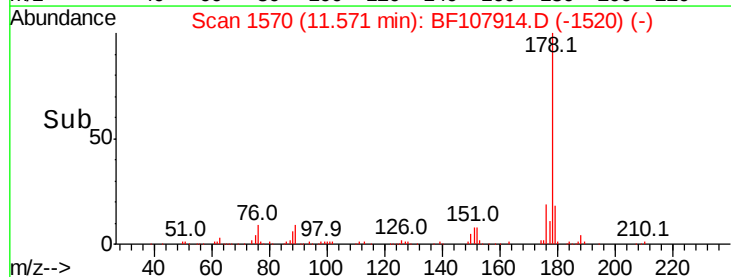
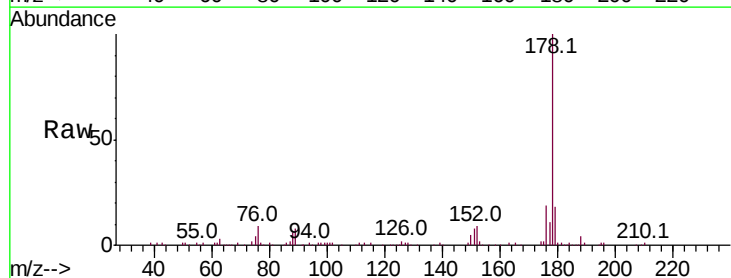
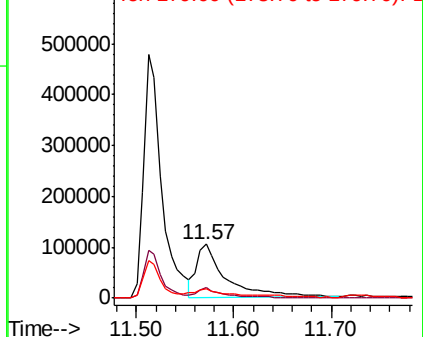
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	17.8	12.6	19.0

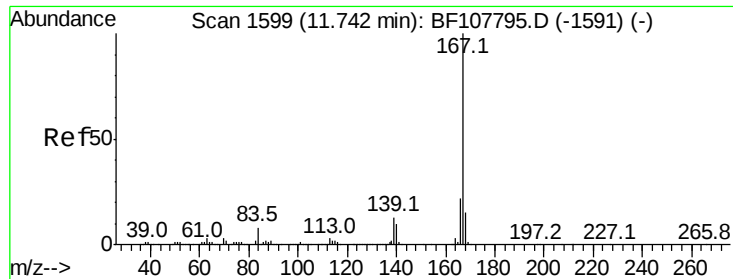
Abundance

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: 3.866 ng

RT: 11.75 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF107914.D

Acq: 2 Aug 2018 17:28

Instrument :

BNA_F

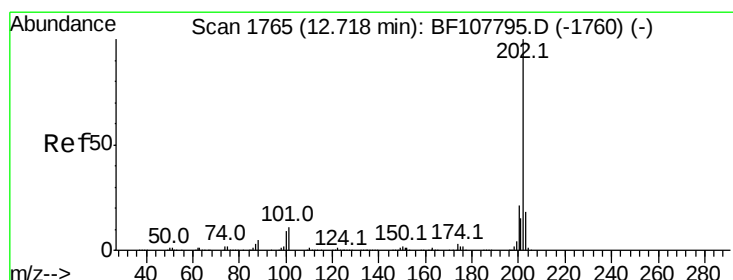
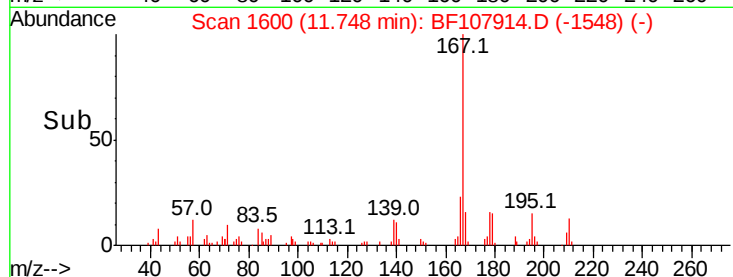
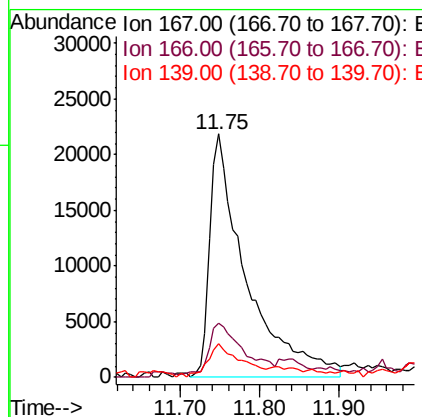
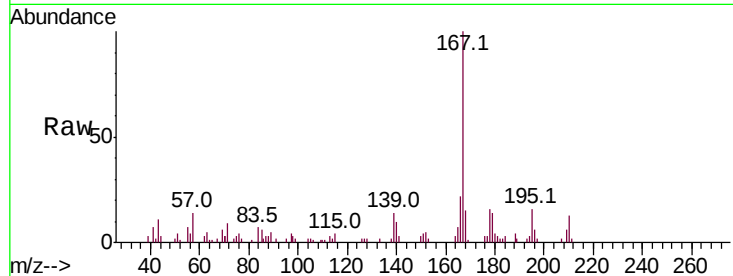
ClientSampleId :

KG-PIT-5

Tot Ion:	167	Resp:	69866
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	13.8	10.9	16.3

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#74

Fluoranthene

Concen: 49.752 ng

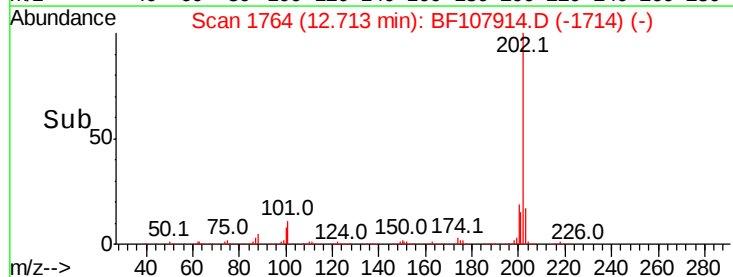
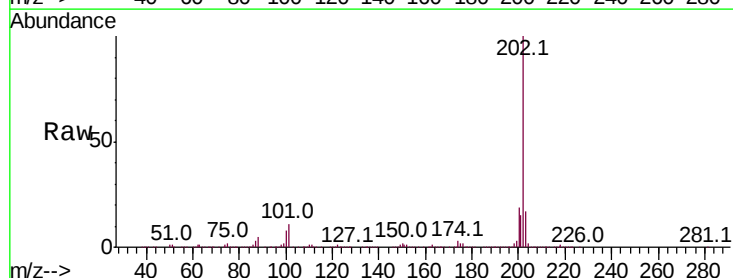
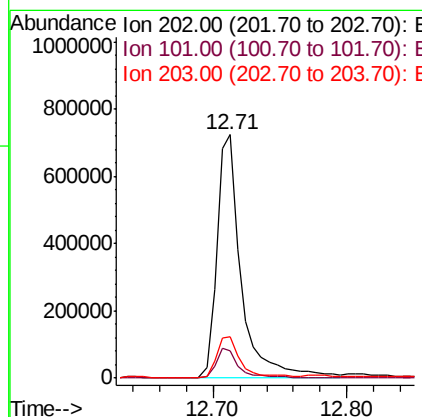
RT: 12.71 min Scan# 1764

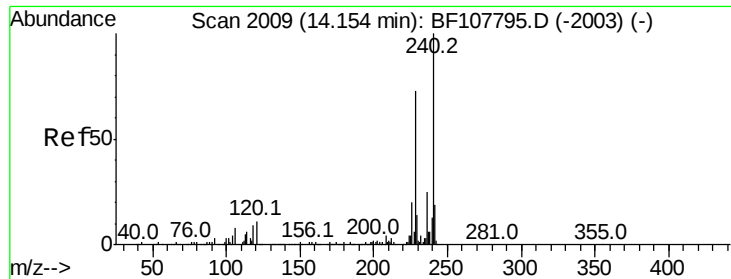
Delta R.T. -0.01 min

Lab File: BF107914.D

Acq: 2 Aug 2018 17:28

Tgt Ion:	202	Resp:	926765
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	34.1
203	17.2	0.0	38.1





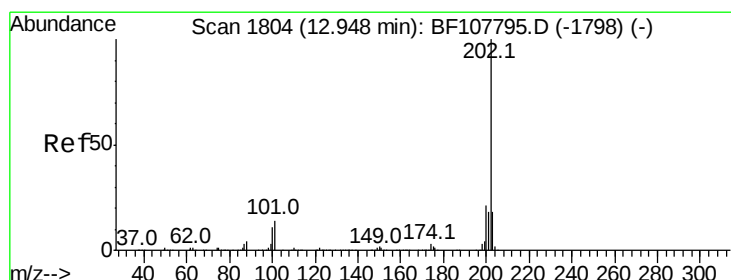
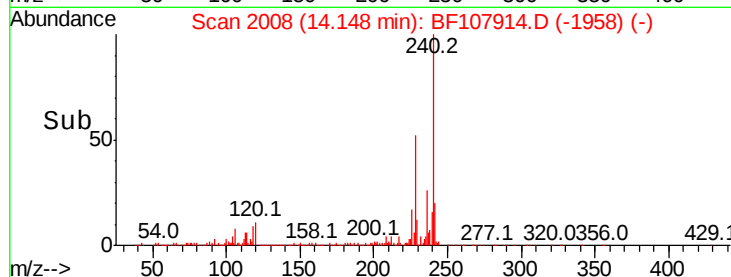
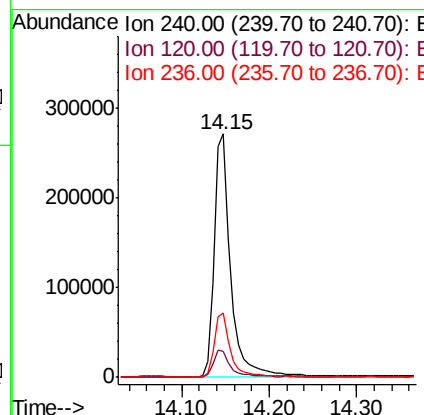
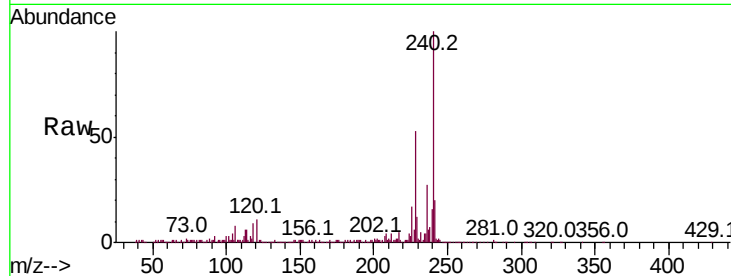
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Instrument :
BNA_F
ClientSampleId :
KG-PIT-5

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.5	14.3
236	26.7	20.7	31.1

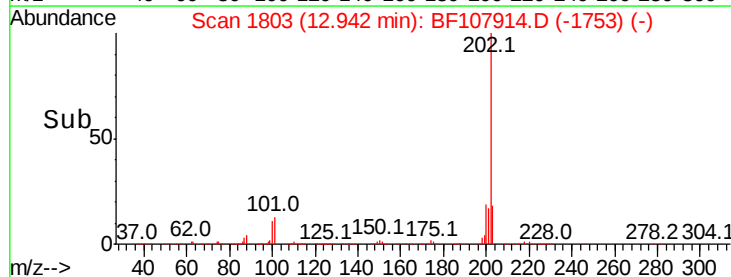
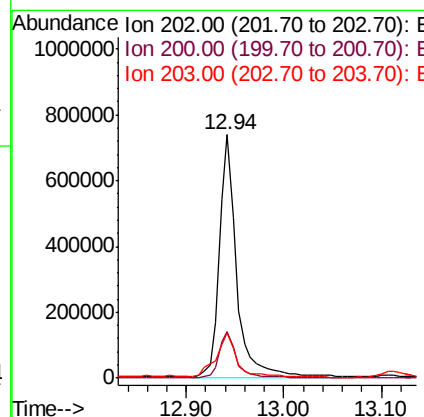
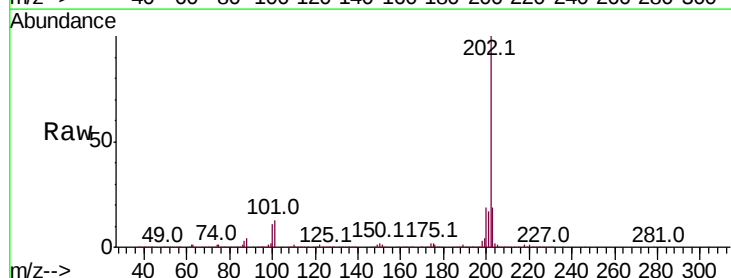
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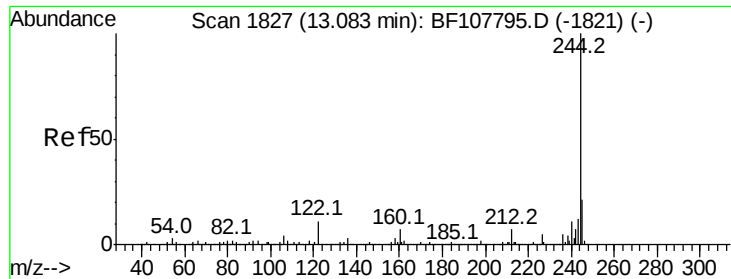
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#77
Pyrene
Concen: 35.259 ng
RT: 12.94 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	17.4	26.2
203	18.5	14.3	21.5





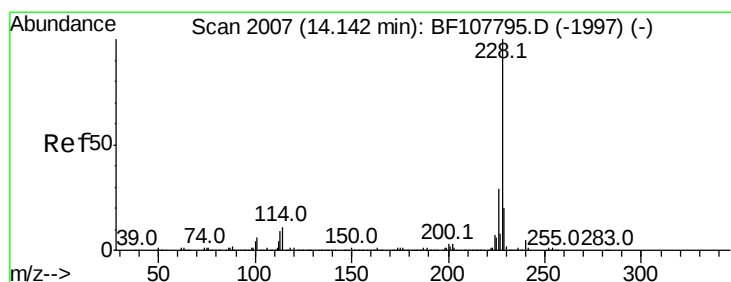
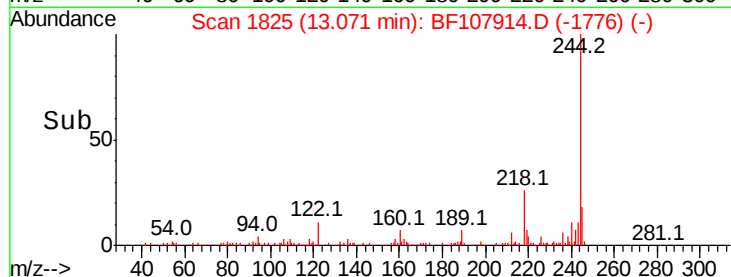
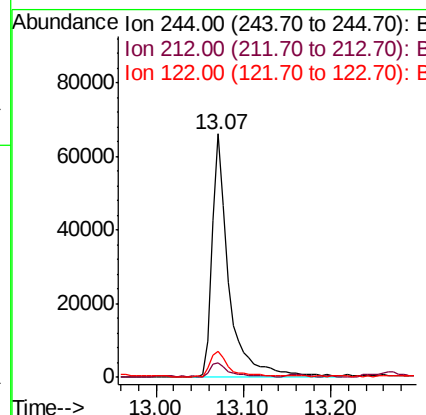
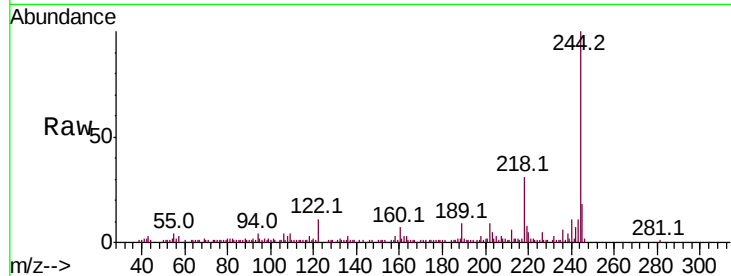
#78
 Terphenyl-d14
 Concen: 5.451 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF107914.D
 Acq: 2 Aug 2018 17:28

Instrument :
 BNA_F
 ClientSampleId :
 KG-PIT-5

Tot Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.4	8.0
122	10.5	11.0	16.4

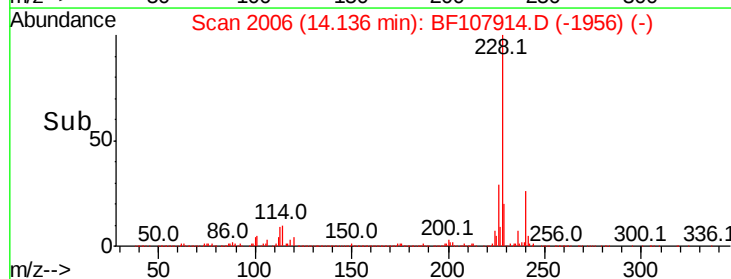
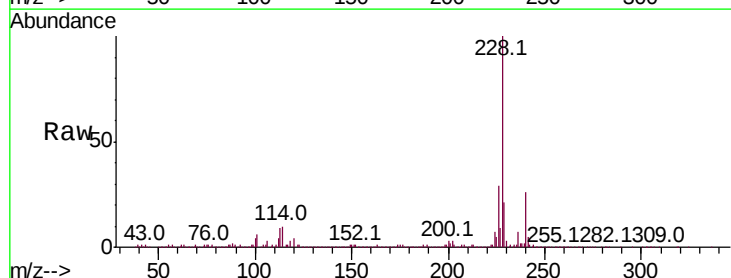
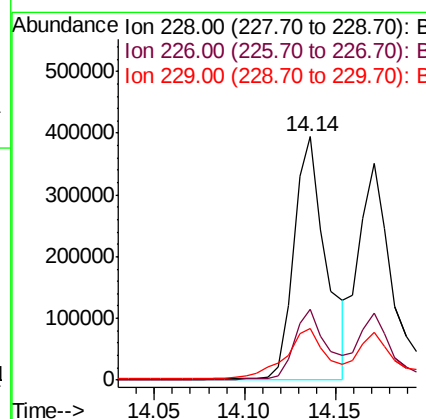
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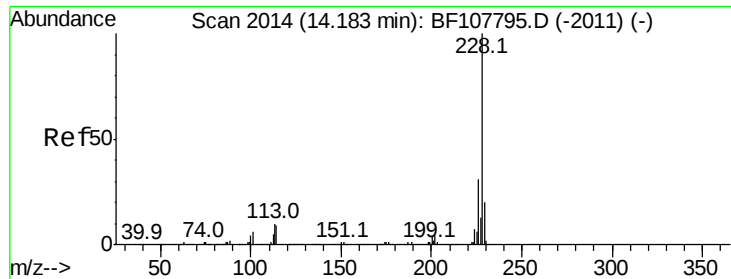
Sohil
 8/3/2018 12:53:18 PM



#80
 Benzo(a)anthracene
 Concen: 24.224 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF107914.D
 Acq: 2 Aug 2018 17:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	21.1	15.8	23.6





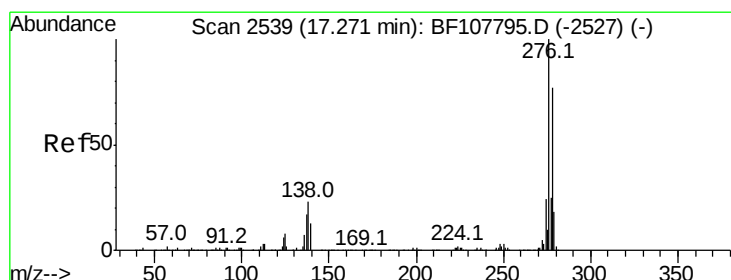
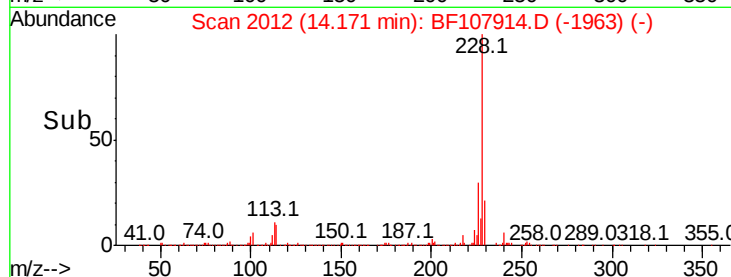
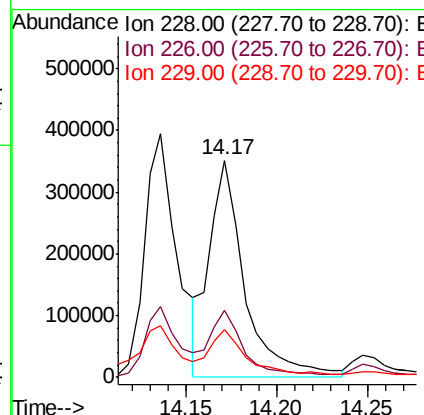
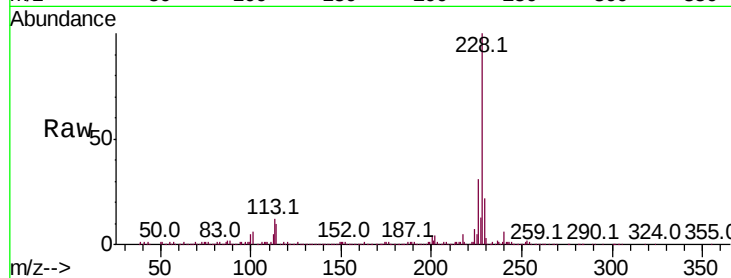
#82
Chrysene
Concen: 21.794 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Instrument :
BNA_F
ClientSampleId :
KG-PIT-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.8	16.2	24.4

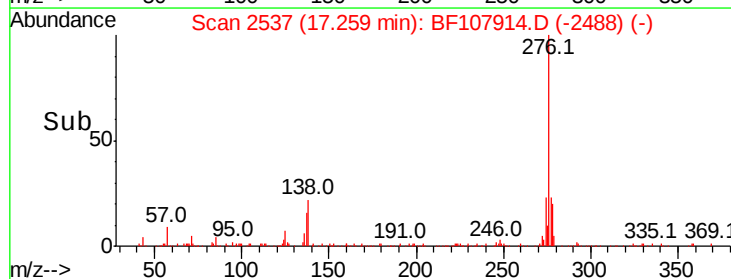
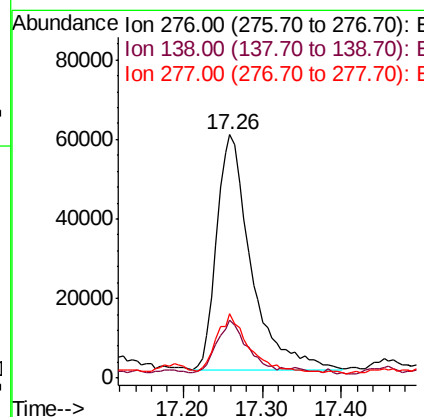
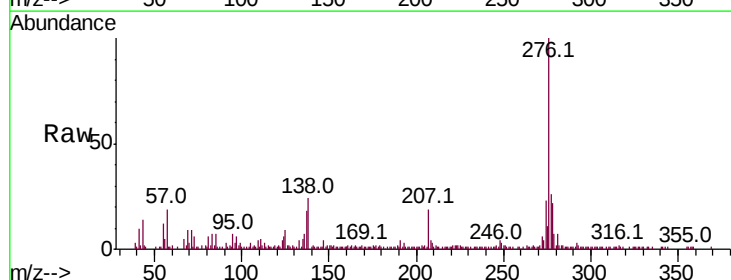
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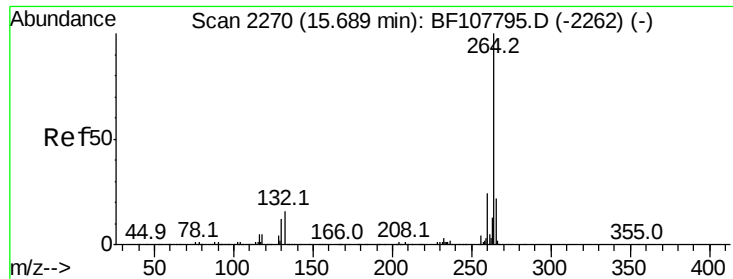
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.841 ng
RT: 17.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.0	37.6#
277	22.9	20.1	30.1





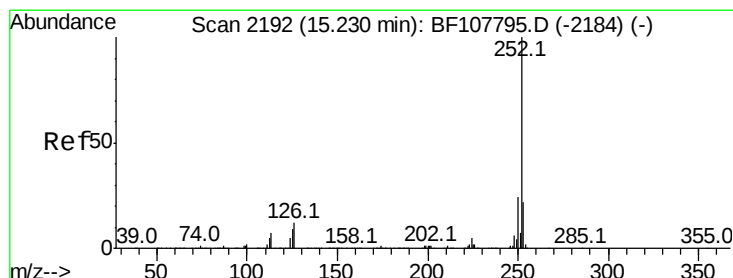
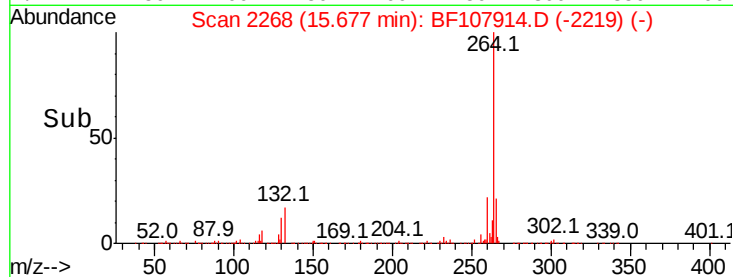
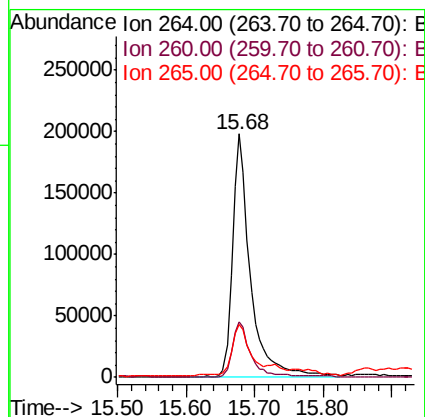
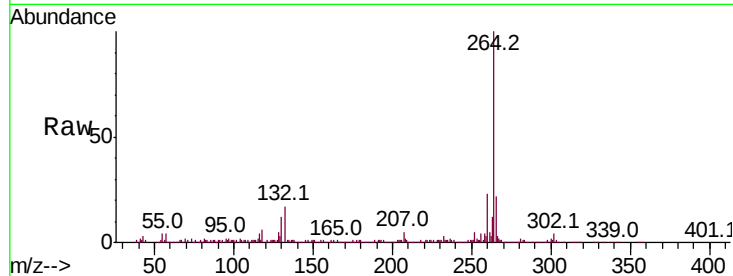
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Instrument :
BNA_F
ClientSampled :
KG-PIT-5

Tot Ion:	264	Resp:	358494
Ion Ratio	Lower	Upper	
264	100		
260	22.7	19.2	28.8
265	21.7	17.5	26.3

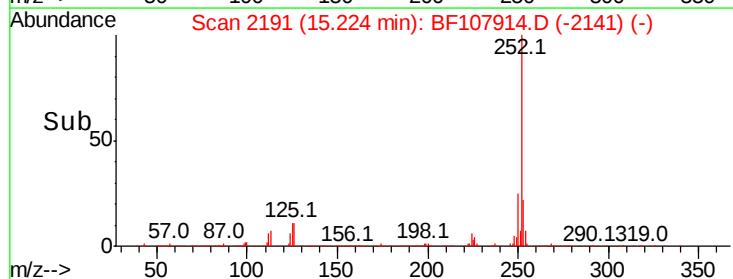
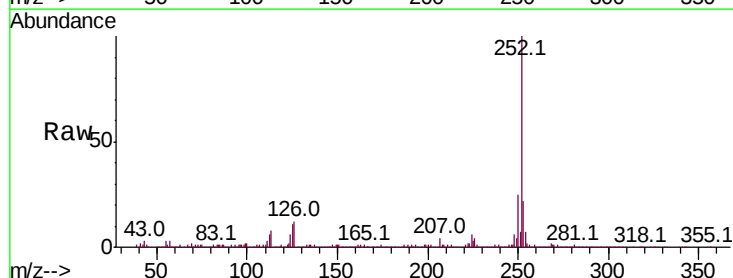
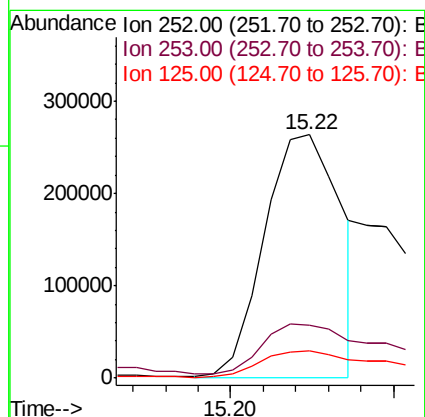
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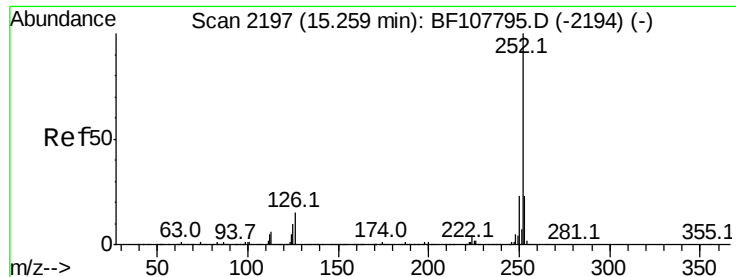
Sohil
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#87
Benzo(b)fluoranthene
Concen: 24.346 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Tgt Ion:	252	Resp:	430460
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	11.0	9.0	13.6





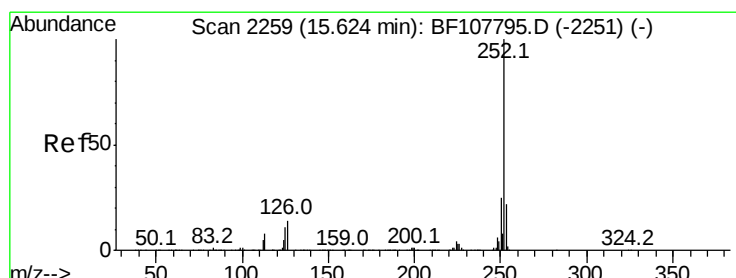
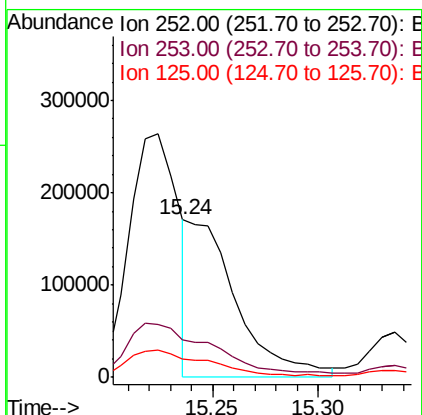
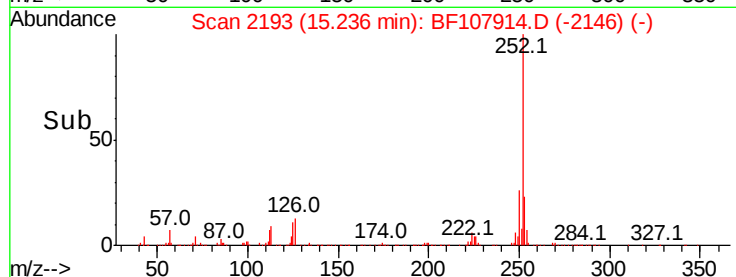
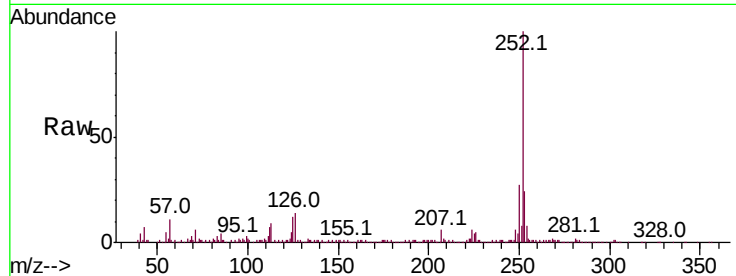
#88
Benzo(k)fluoranthene
Concen: 12.161 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Instrument :
BNA_F
ClientSampleId :
KG-PIT-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.9	10.2	15.2

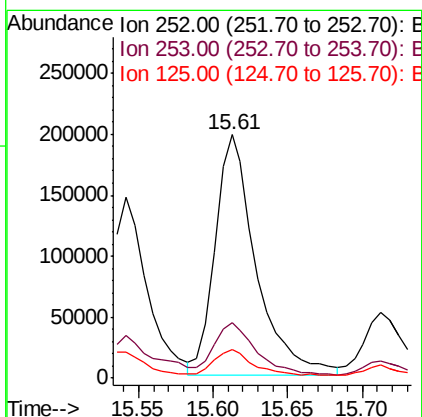
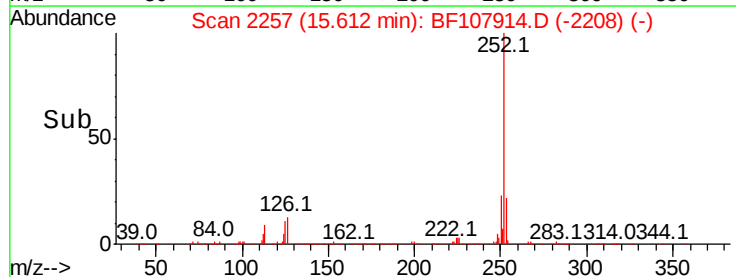
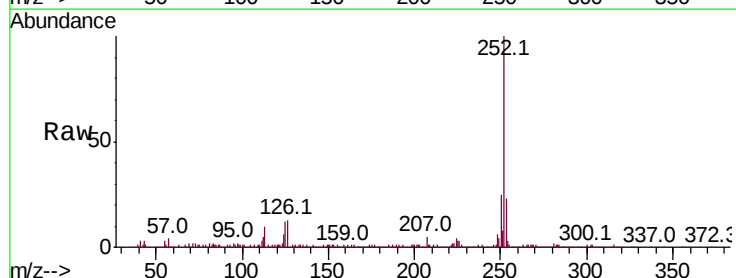
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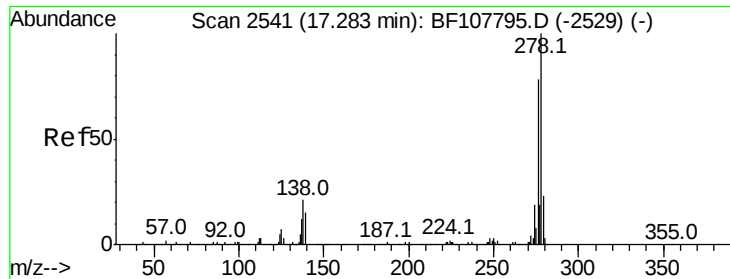
Sohil
8/3/2018 12:53:18 PM



#89
Benzo(a)pyrene
Concen: 20.751 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	11.9	9.8	14.6





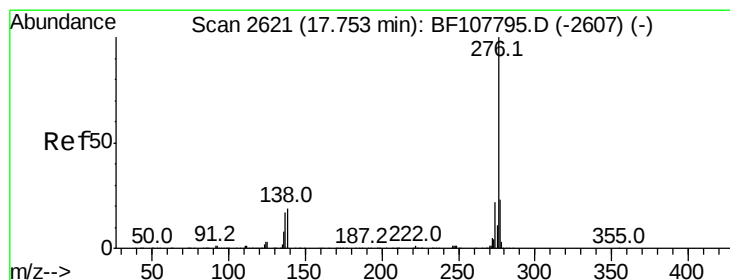
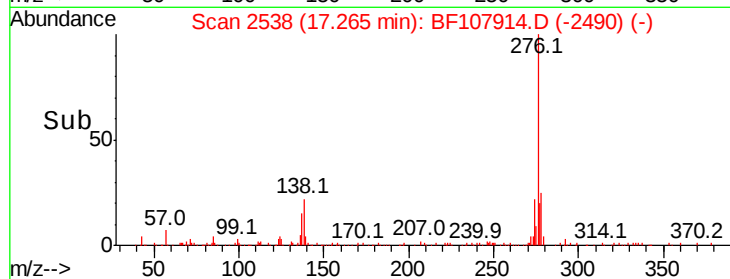
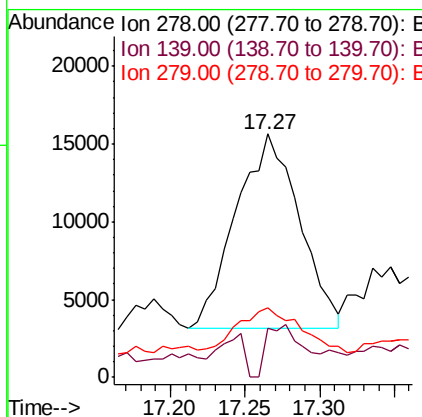
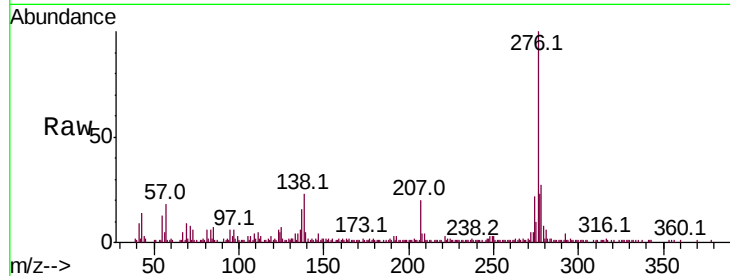
#90
Dibenzo(a,h)anthracene
Concen: 2.324 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Instrument :
BNA_F
ClientSampleId :
KG-PIT-5

Tot Ion:278	Resp:	36998
Ion Ratio	Lower	Upper
278 100		
139 20.2	15.9	23.9
279 28.4	19.0	28.4

Manual Integrations
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8/3/2018 12:53:18 PM



#91
Benzo(g,h,i)perylene
Concen: 11.653 ng
RT: 17.74 min Scan# 2618
Delta R.T. -0.02 min
Lab File: BF107914.D
Acq: 2 Aug 2018 17:28

Tgt Ion:276	Resp:	179528
Ion Ratio	Lower	Upper
276 100		
277 24.0	17.9	26.9
138 21.3	21.8	32.8#

