

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107721.D
 Acq On : 27 Jul 2018 00:58
 Operator : JU/SJ
 Sample : J4121-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(13-15)

Manual Integrations
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Sohil
 7/27/2018 2:54:20 PM

Quant Time: Jul 27 06:41:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	198557	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	831789	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	368311	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	638343	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	457678	20.00	ng	-0.02
86) Perylene-d12	15.68	264	490909	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1027544	83.21	ng	-0.01
7) Phenol-d6	6.60	99	1351833	91.16	ng	-0.02
23) Nitrobenzene-d5	7.52	82	809054	65.64	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	372079	88.84	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1475387	63.95	ng	-0.02
78) Terphenyl-d14	13.08	244	1089869	60.96	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.71	163	87440	3.150	ng	Qvalue 99
70) Phenanthrene	11.52	178	122274	3.931	ng	98
71) Anthracene	11.57	178	99665	3.182	ng	96
74) Fluoranthene	12.71	202	345453	10.349	ng	95
77) Pyrene	12.94	202	289476	9.247	ng	98
80) Benzo(a)anthracene	14.14	228	181694m	6.774	ng	
82) Chrysene	14.17	228	155231	6.025	ng	97
85) Indeno(1,2,3-cd)pyrene	17.24	276	58944	2.699	ng	# 90
87) Benzo(b)fluoranthene	15.22	252	183488m	6.830	ng	
88) Benzo(k)fluoranthene	15.24	252	87337m	3.318	ng	
89) Benzo(a)pyrene	15.61	252	148265	6.033	ng	98
91) Benzo(g,h,i)perylene	17.72	276	47061	2.246	ng	95

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

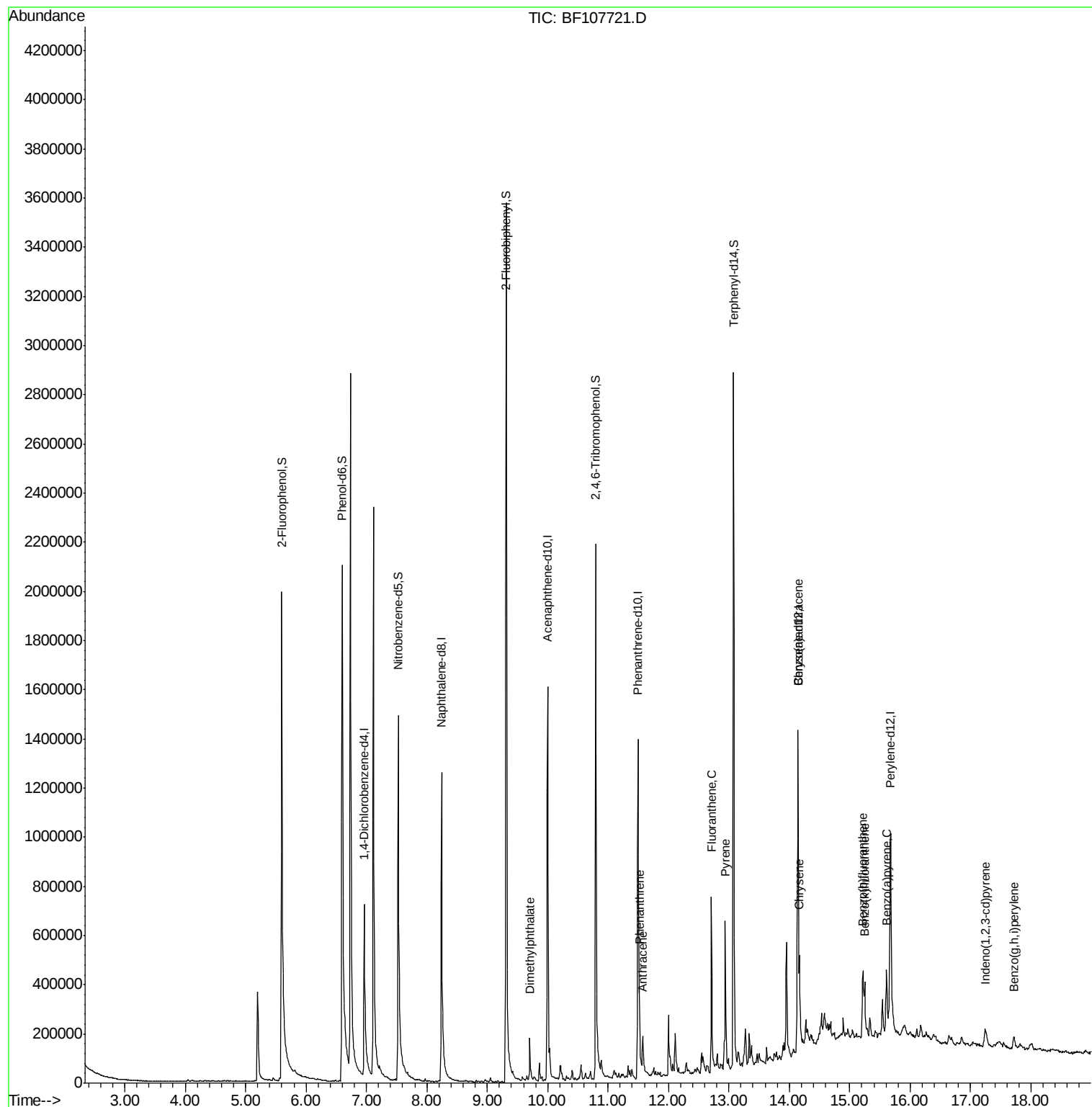
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107721.D
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Operator : JU/SJ
Sample : J4121-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

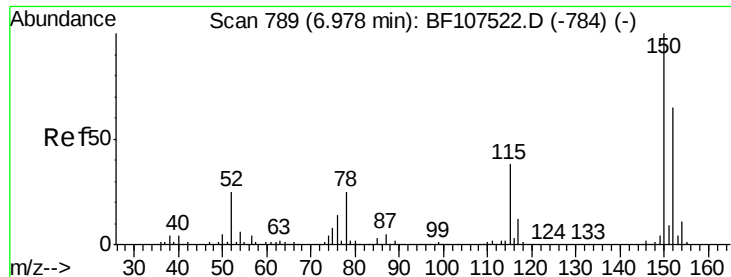
Instrument :
BNA_F
ClientSampleID :
SB-9(13-15)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

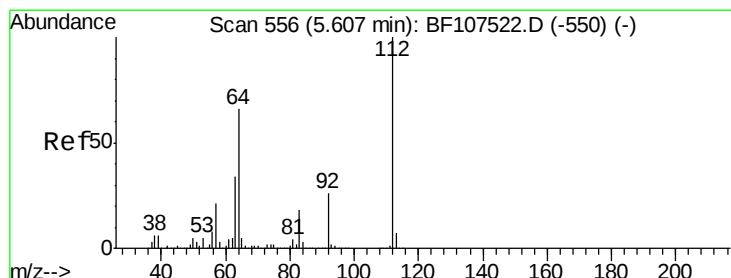
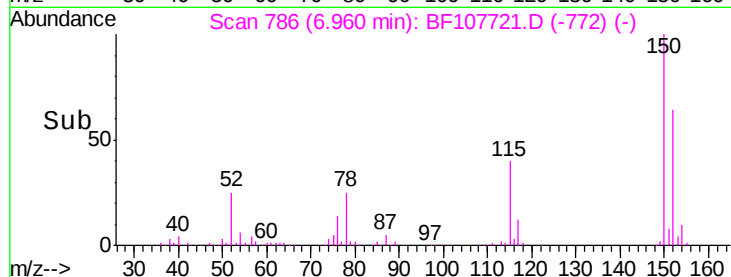
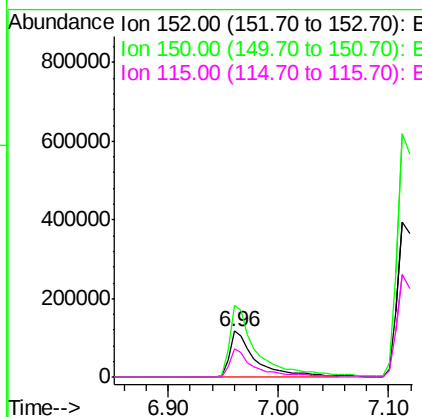
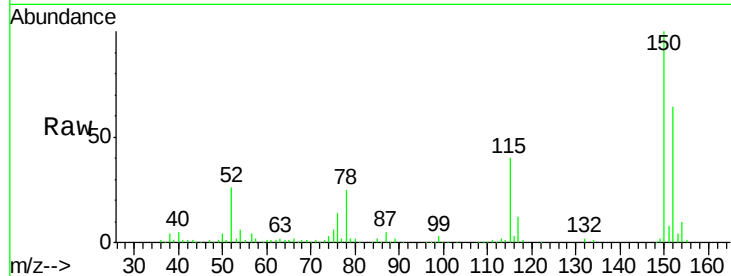
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Instrument :
BNA_F
ClientSampleId :
SB-9(13-15)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	62.8	50.1	75.1

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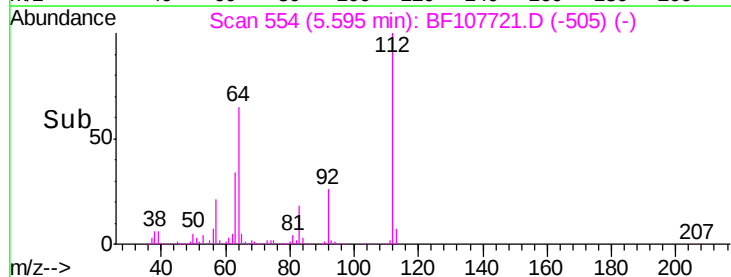
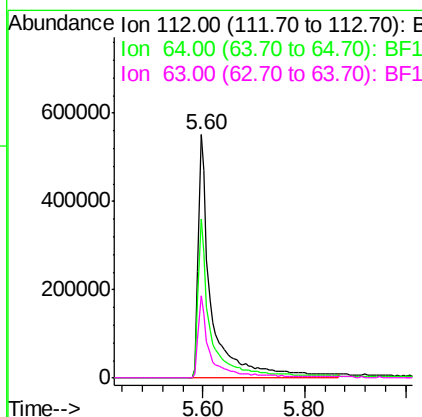
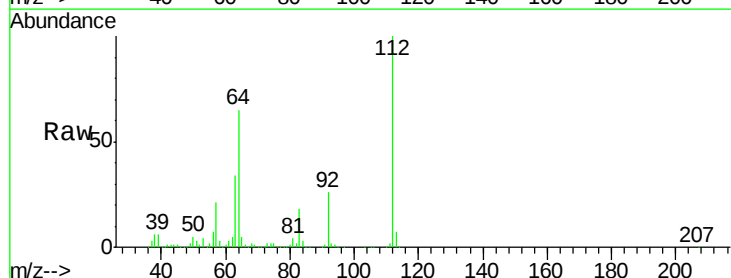
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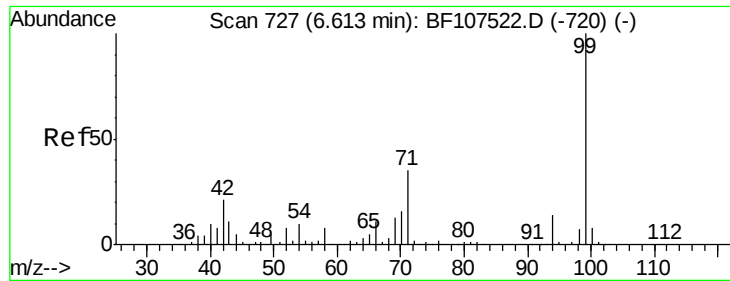


#5

2-Fluorophenol
Concen: 83.205 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	33.9	23.7	35.5





#7

Phenol-d6

Concen: 91.164 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107721.D

Acq: 27 Jul 2018 00:58

Instrument :

BNA_F

ClientSampled :

SB-9(13-15)

Tgt Ion: 99 Resp: 1351833

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

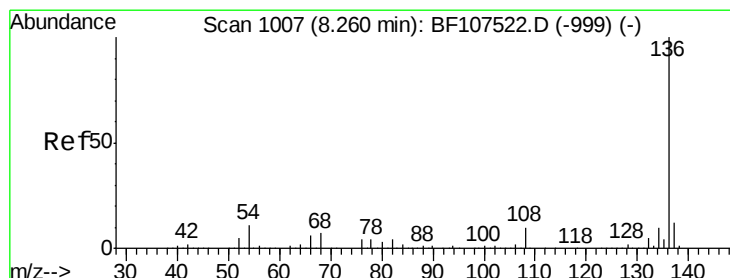
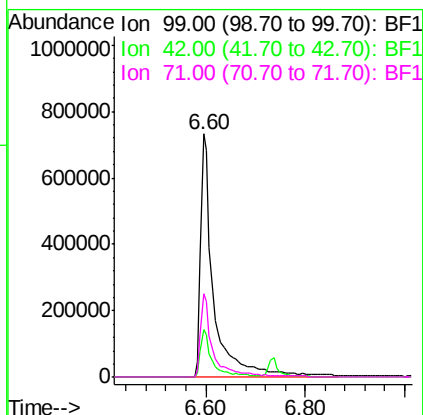
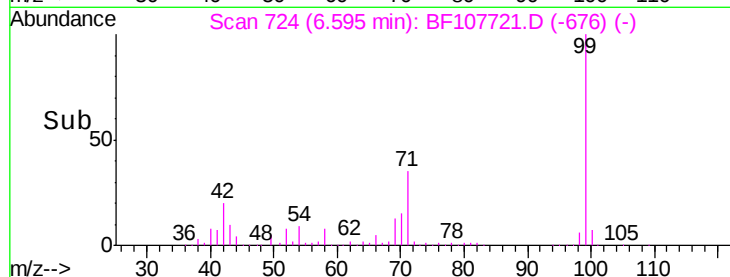
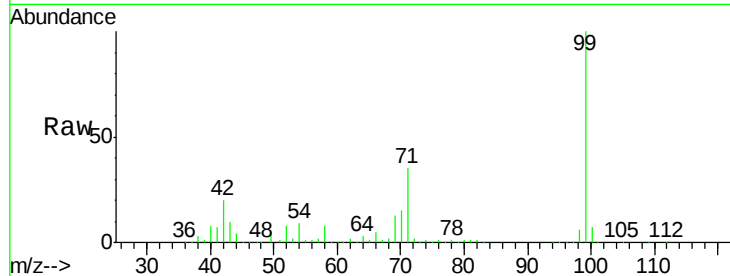
71 34.5 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107721.D

Acq: 27 Jul 2018 00:58

Tgt Ion: 136 Resp: 831789

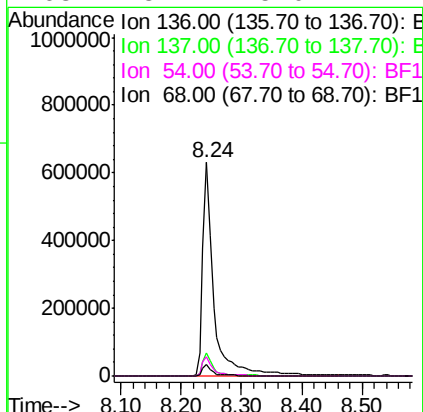
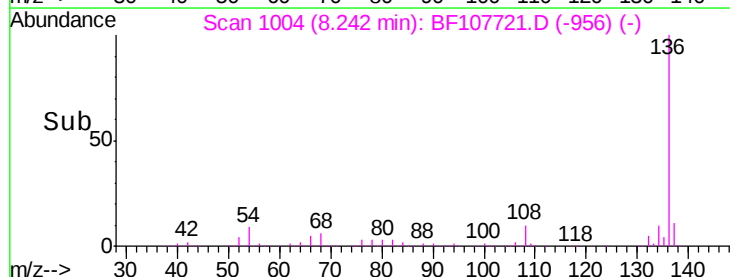
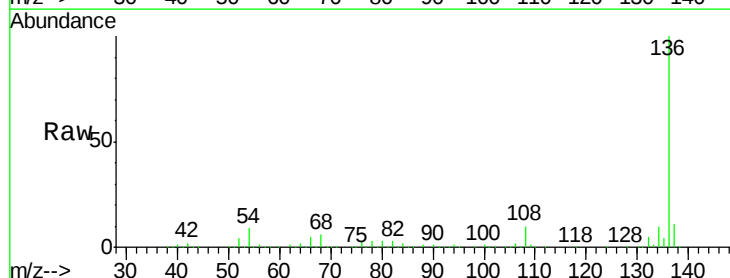
Ion Ratio Lower Upper

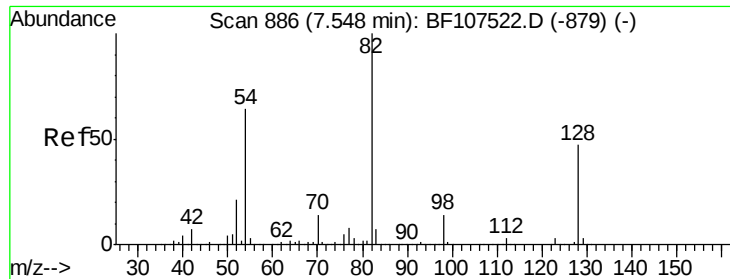
136 100

137 10.9 8.9 13.3

54 9.2 6.6 9.8

68 5.7 5.0 7.4





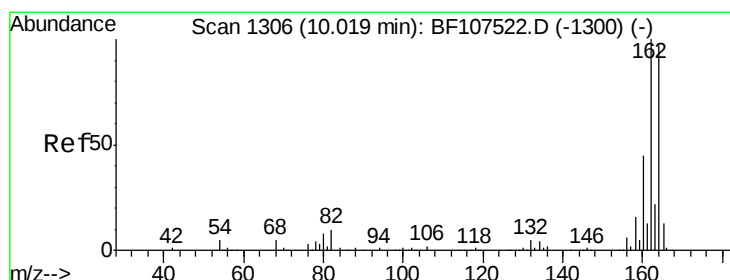
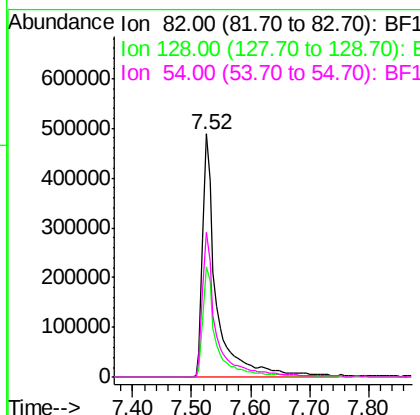
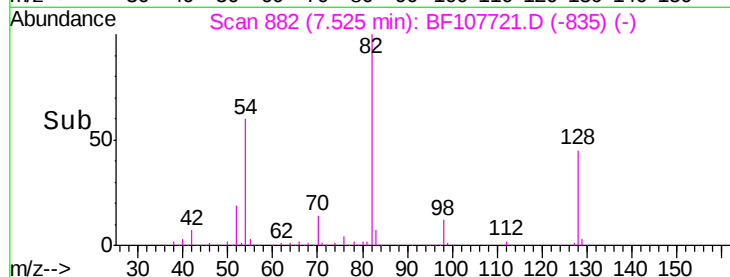
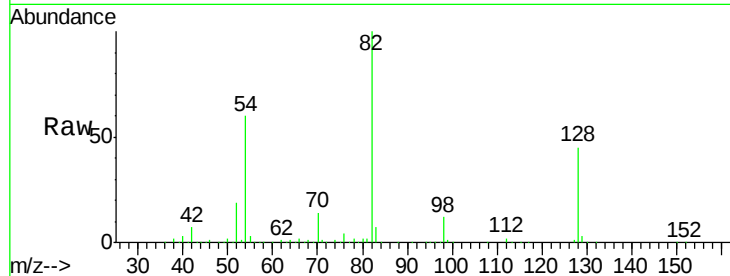
#23
Nitrobenzene-d5
Concen: 65.643 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Instrument :
BNA_F
ClientSampleId :
SB-9(13-15)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.1	54.1
54	59.7	41.4	62.2

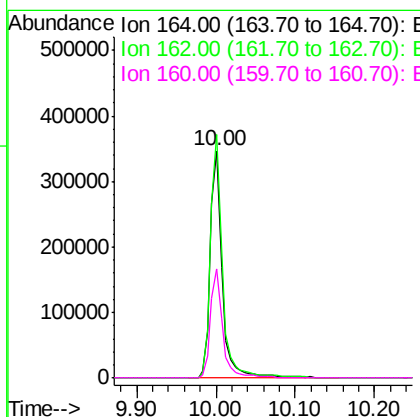
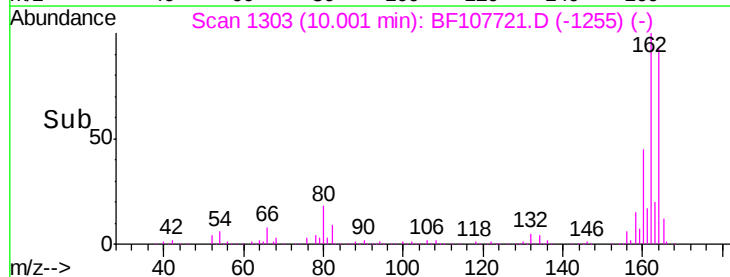
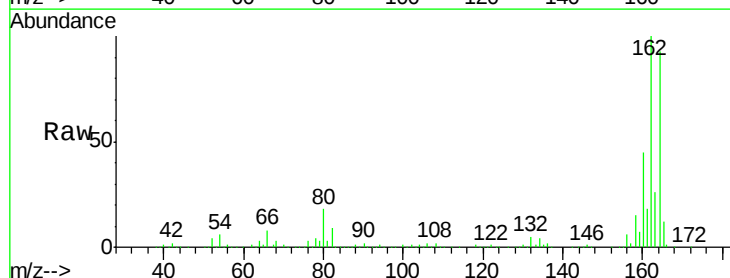
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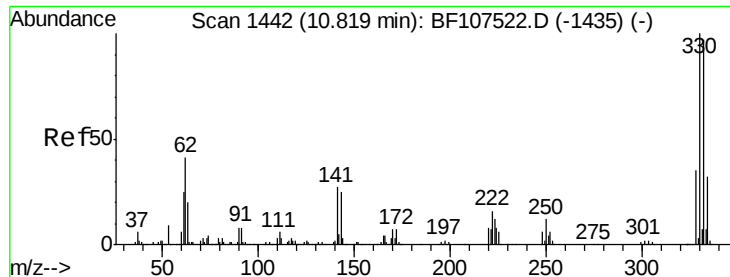
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.2	86.1	129.1
160	47.9	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 88.838 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.02 min

Lab File: BF107721.D

Acq: 27 Jul 2018 00:58

Instrument :

BNA_F

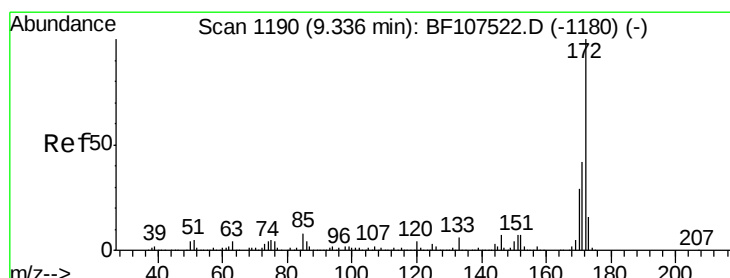
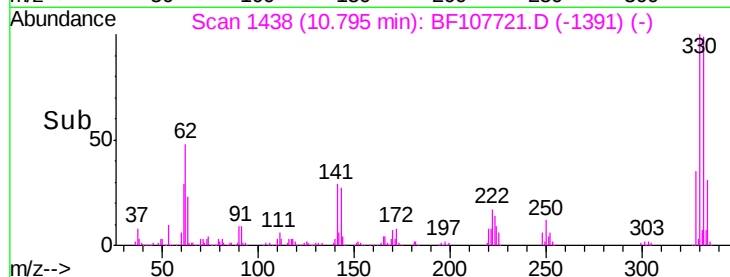
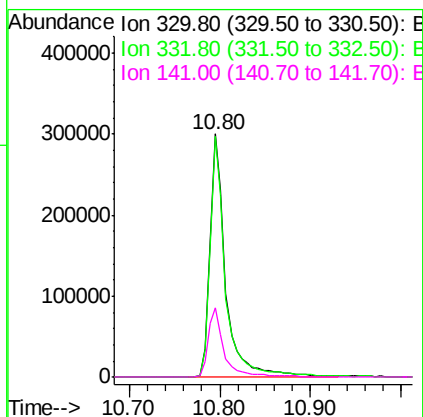
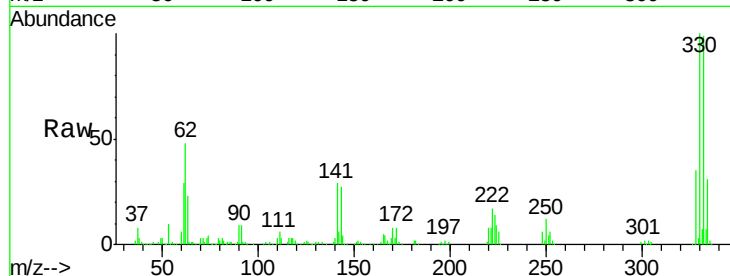
ClientSampleId :

SB-9(13-15)

Tgt Ion:	330	Resp:	372079
Ion Ratio	Lower	Upper	
330	100		
332	97.6	77.0	115.6
141	29.5	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 63.949 ng

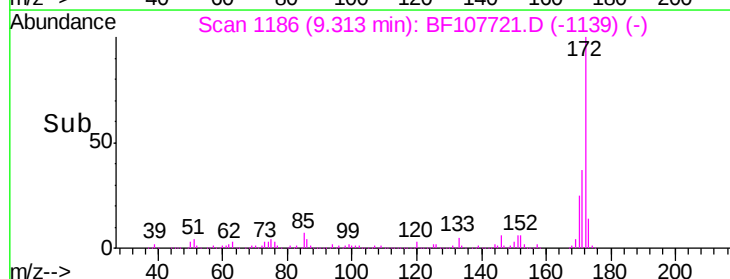
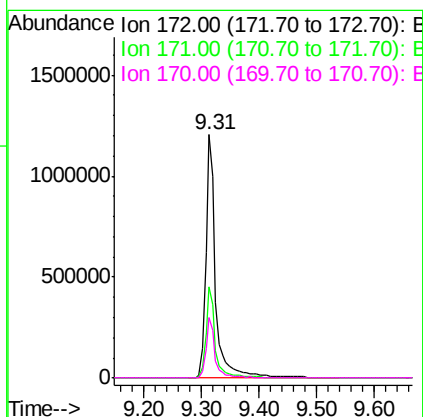
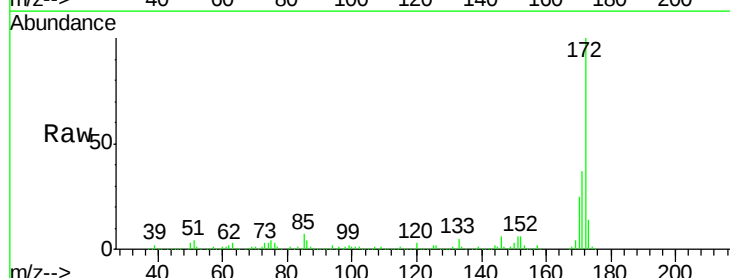
RT: 9.31 min Scan# 1186

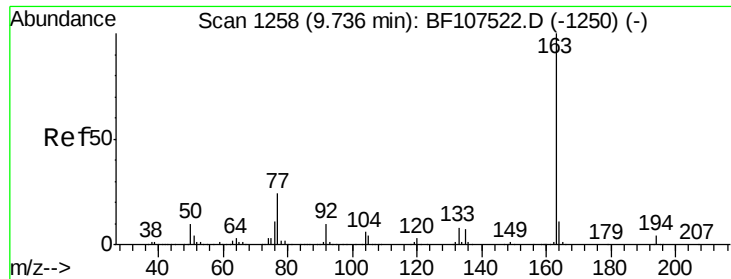
Delta R.T. -0.02 min

Lab File: BF107721.D

Acq: 27 Jul 2018 00:58

Tgt Ion:	172	Resp:	1475387
Ion Ratio	Lower	Upper	
172	100		
171	37.5	29.7	44.5
170	25.0	19.6	29.4





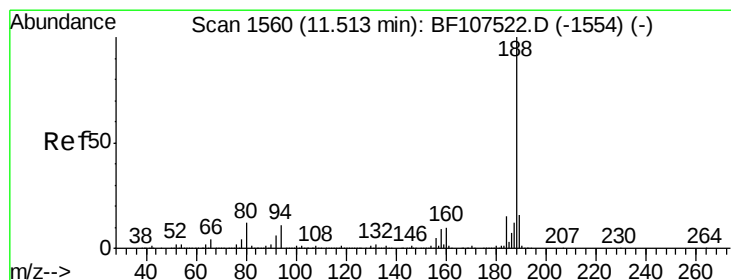
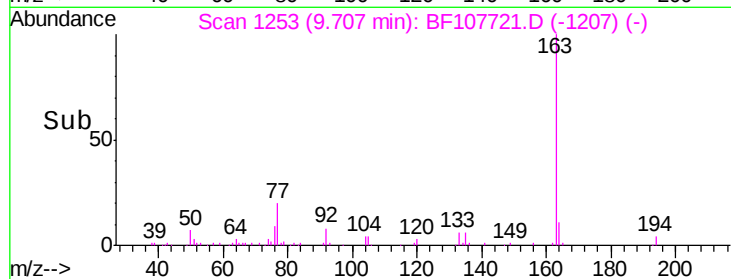
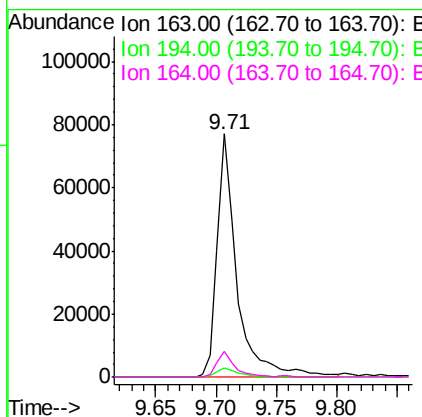
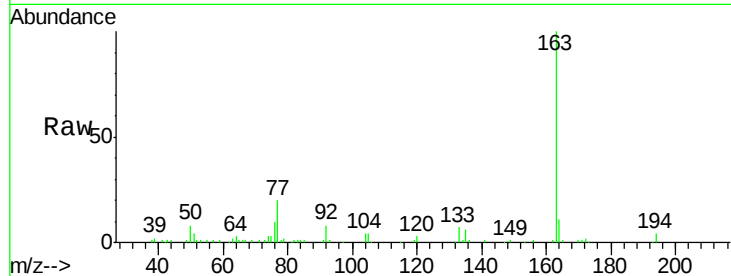
#49
Dimethylphthalate
Concen: 3.150 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.03 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Instrument :
BNA_F
ClientSampled :
SB-9(13-15)

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.7	8.2	12.2

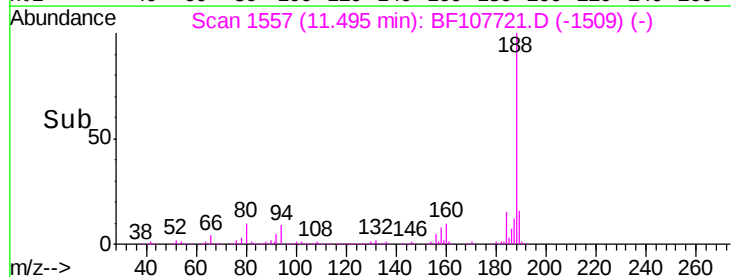
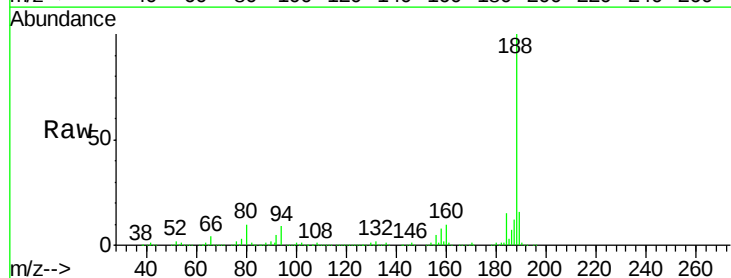
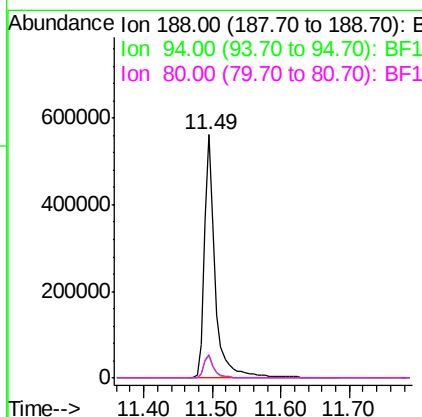
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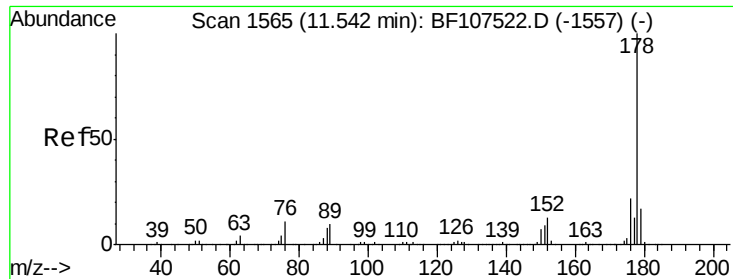
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	9.8	9.2	13.8





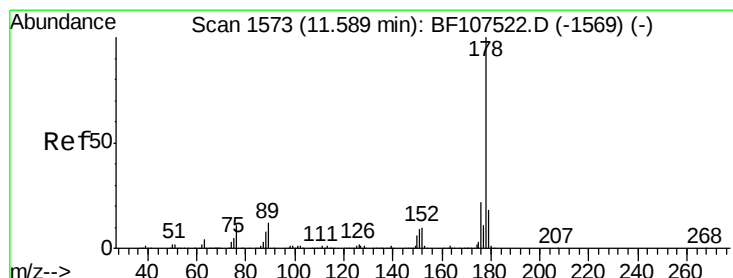
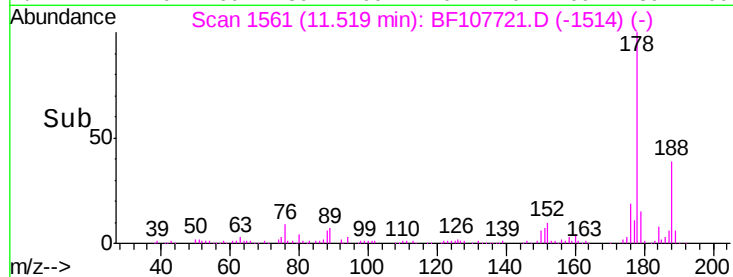
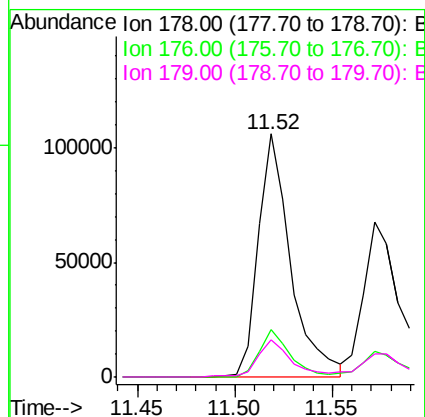
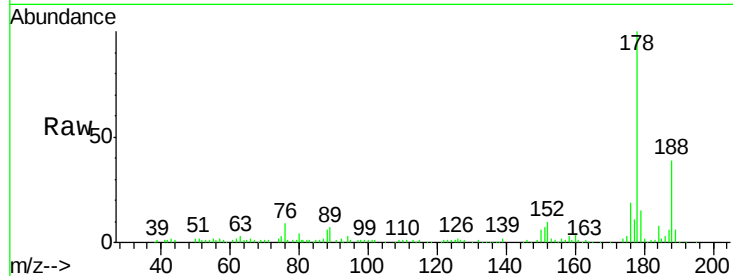
#70
Phenanthrene
Concen: 3.931 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Instrument :
BNA_F
ClientSampleId :
SB-9(13-15)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.3	13.0	19.6

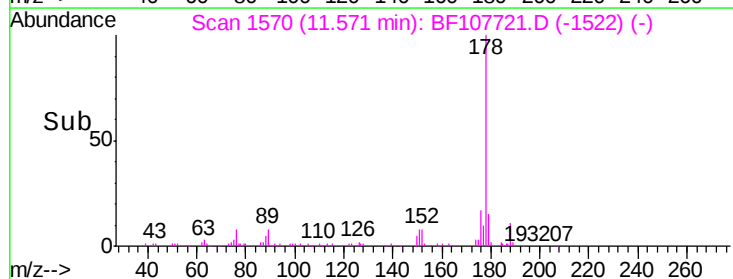
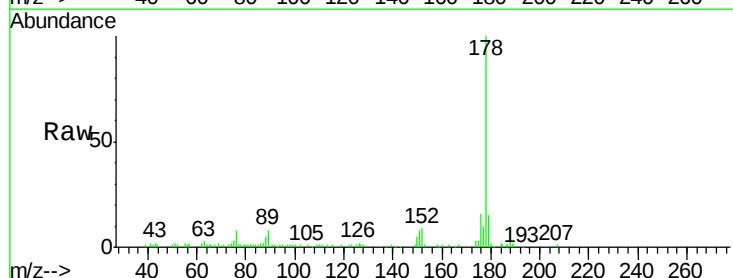
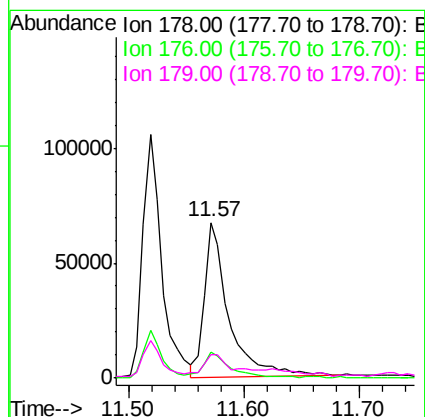
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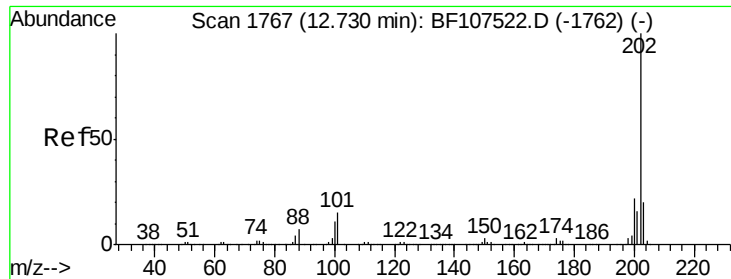
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#71
Anthracene
Concen: 3.182 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.4	15.4	23.2
179	15.1	12.6	19.0





#74

Fluoranthene

Concen: 10.349 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107721.D

Acq: 27 Jul 2018 00:58

Instrument :

BNA_F

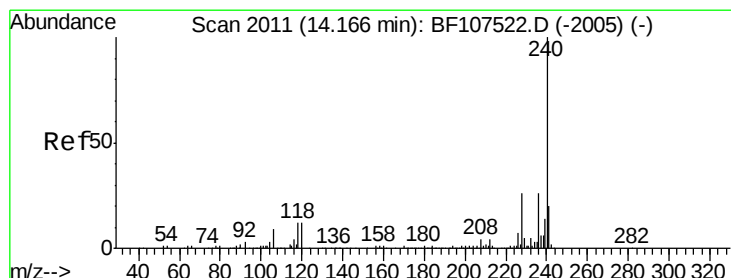
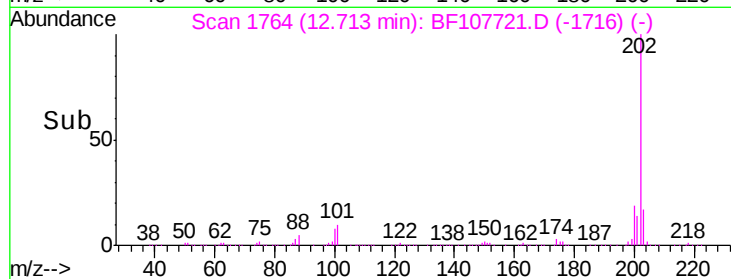
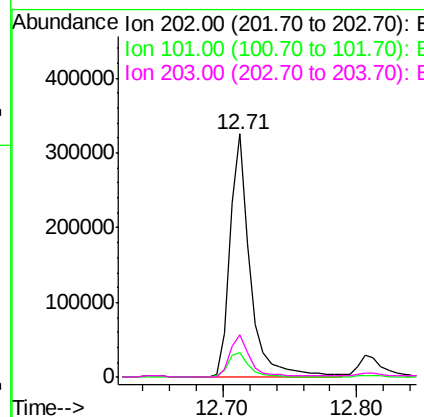
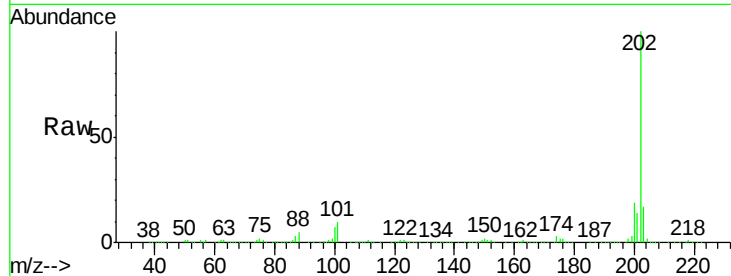
ClientSampleId :

SB-9(13-15)

Tgt Ion:	202	Resp:	345453
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	34.1
203	17.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

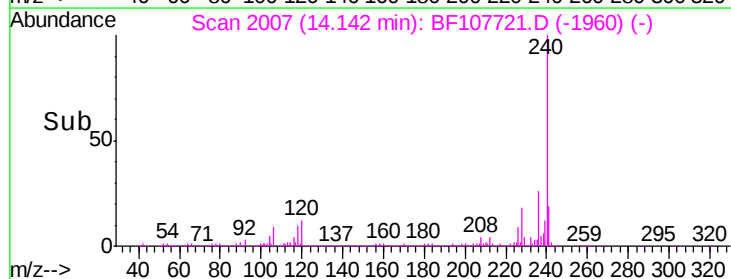
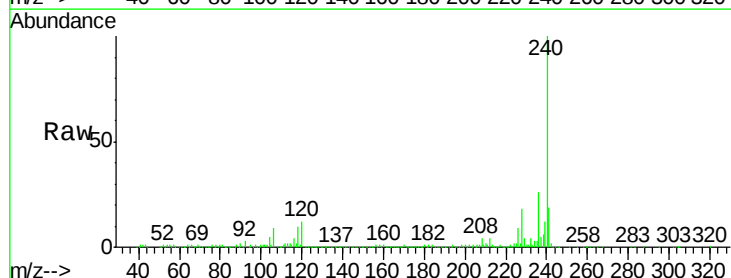
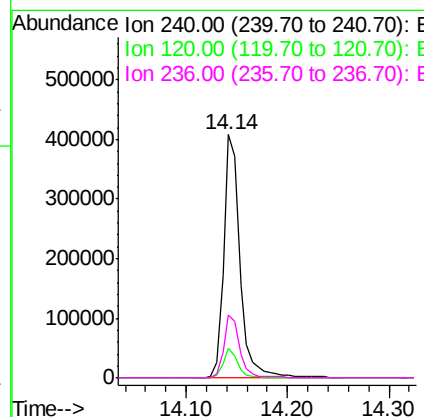
RT: 14.14 min Scan# 2007

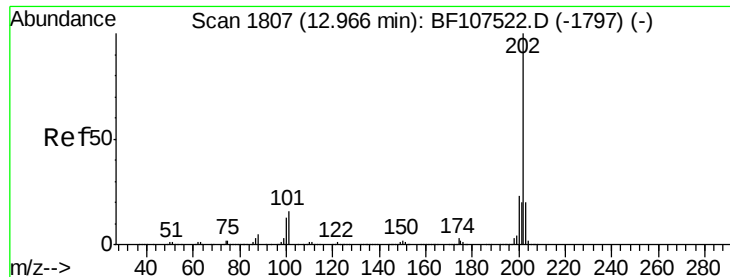
Delta R.T. -0.02 min

Lab File: BF107721.D

Acq: 27 Jul 2018 00:58

Tgt Ion:	240	Resp:	457678
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	26.1	20.7	31.1





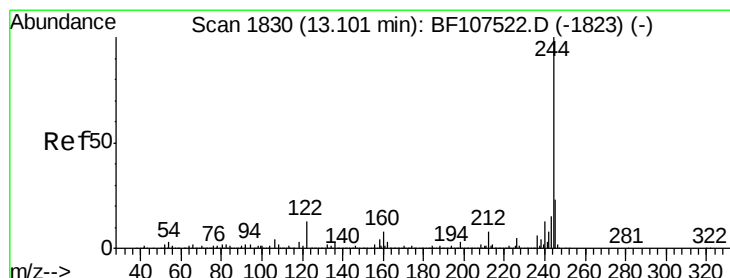
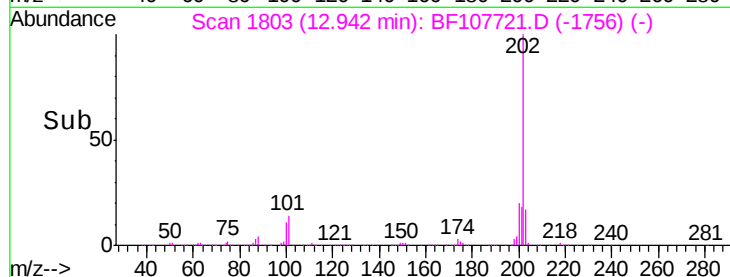
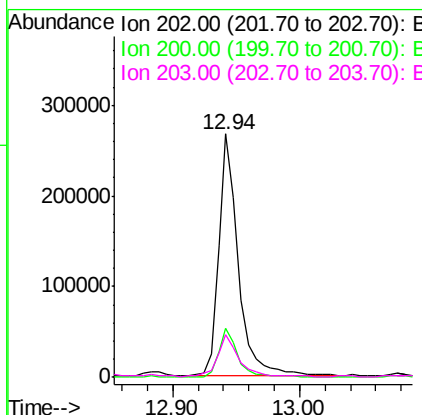
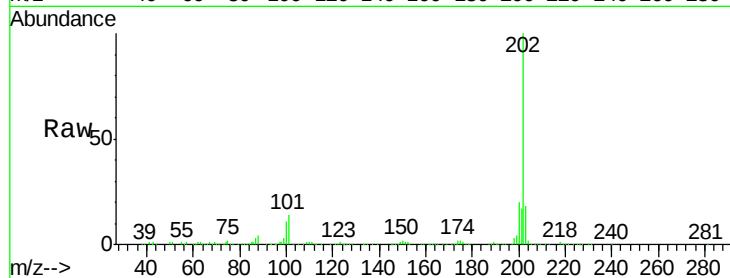
#77
 Pyrene
 Concen: 9.247 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.02 min
 Lab File: BF107721.D
 Acq: 27 Jul 2018 00:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-9(13-15)

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	289476		
200	20.1	17.4	26.2	
203	17.6	14.3	21.5	

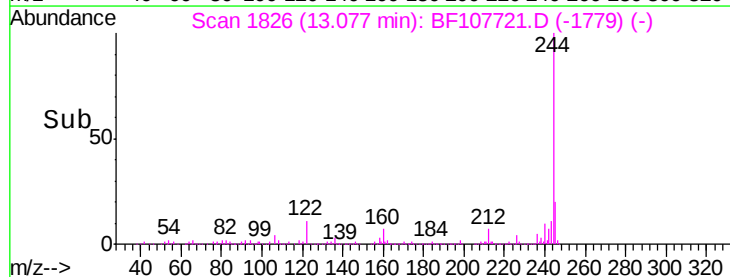
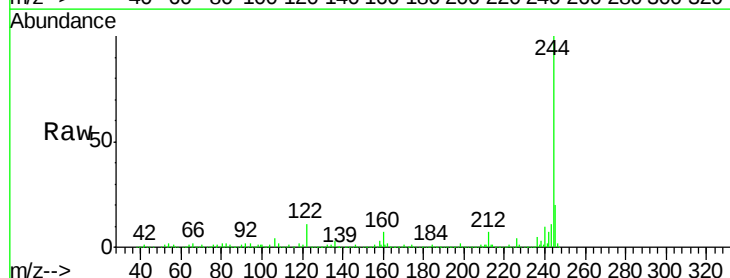
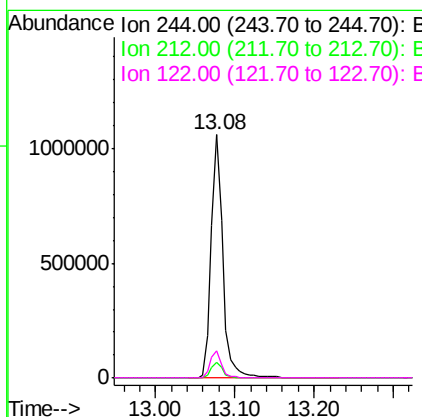
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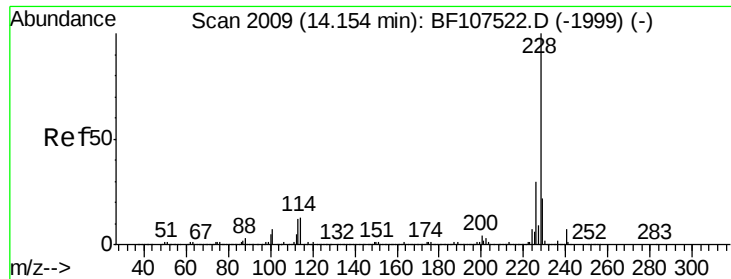
Sohil
 7/27/2018 2:54:20 PM



#78
 Terphenyl-d14
 Concen: 60.963 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107721.D
 Acq: 27 Jul 2018 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1089869		
212	6.7	5.4	8.0	
122	11.0	11.0	16.4	





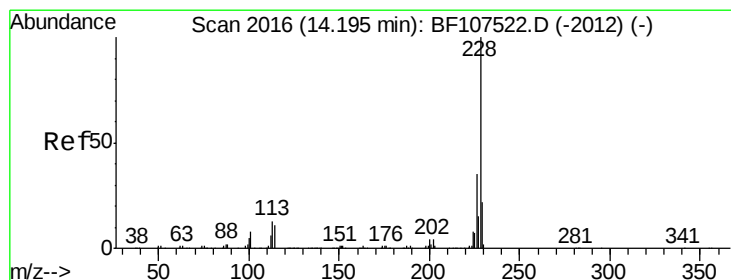
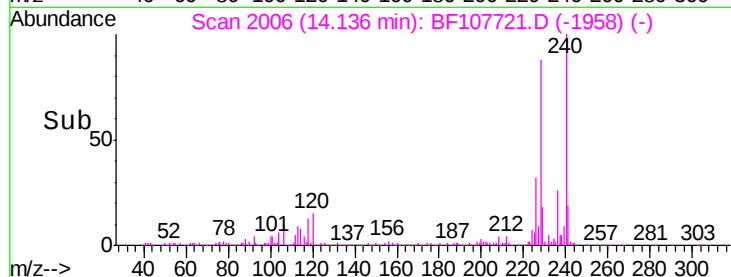
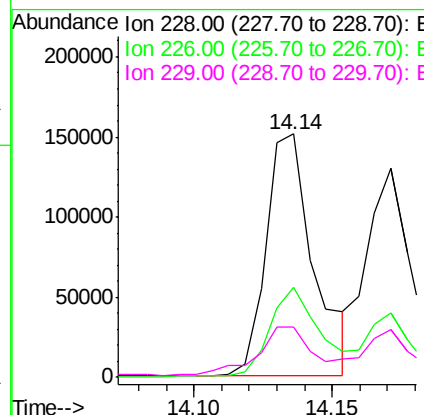
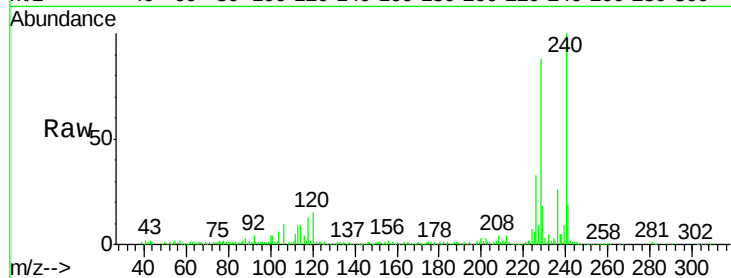
#80
Benzo(a)anthracene
Concen: 6.774 ng m
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Instrument :
BNA_F
Client Sampled :
SB-9(13-15)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.1	22.6	33.8#
229	20.8	15.8	23.6

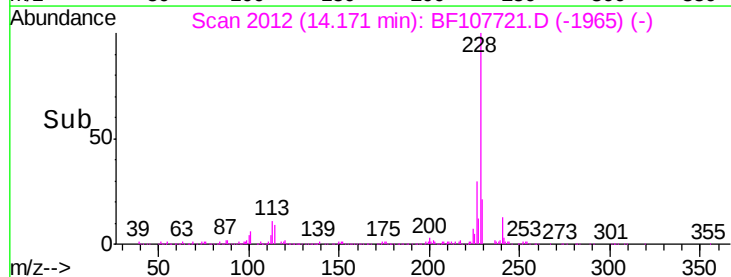
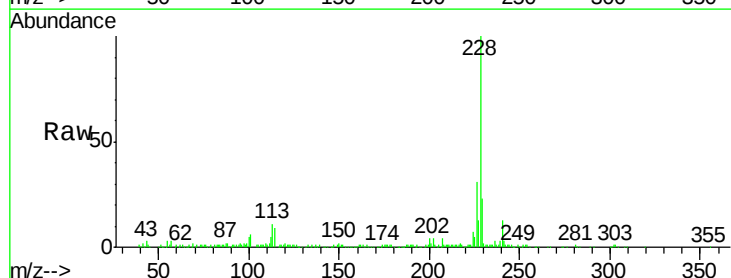
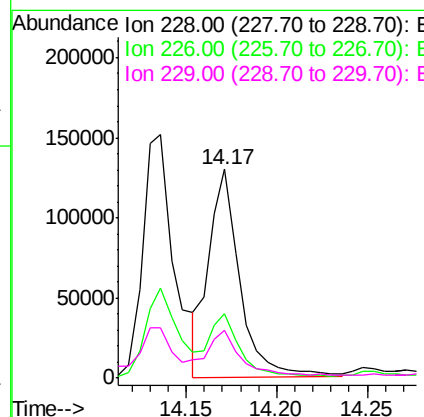
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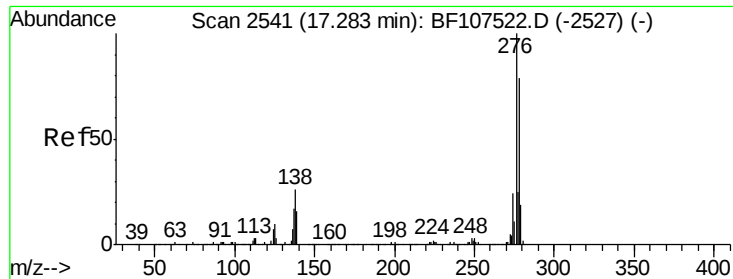
Sohil
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#82
Chrysene
Concen: 6.025 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	23.0	16.2	24.4





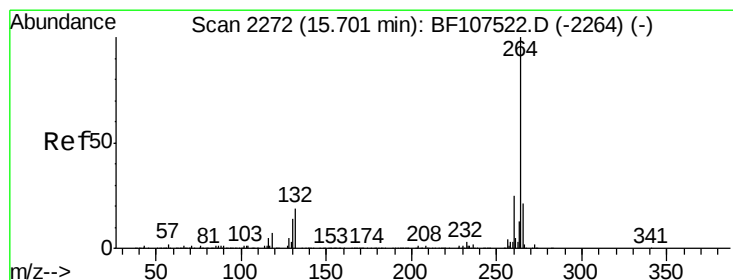
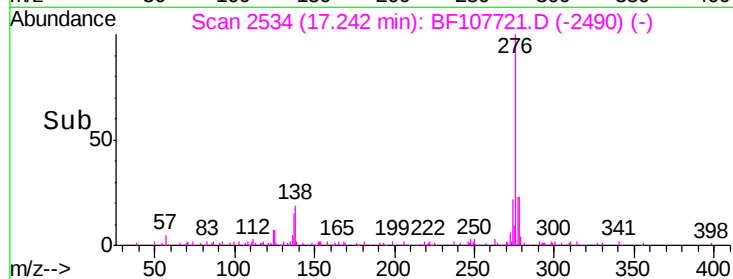
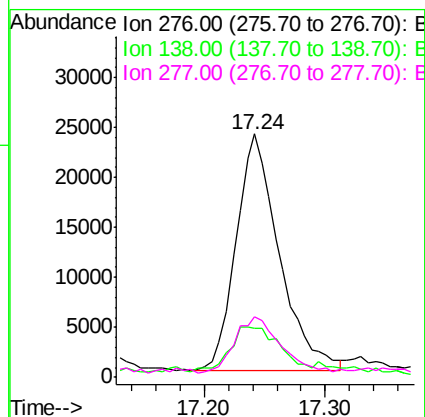
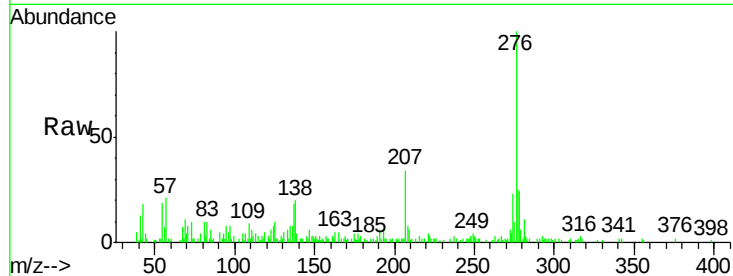
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.699 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.04 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Instrument :
BNA_F
ClientSampleId :
SB-9(13-15)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.8	25.0	37.6#
277	24.4	20.1	30.1

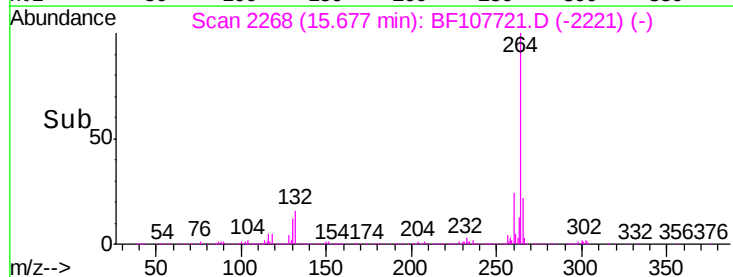
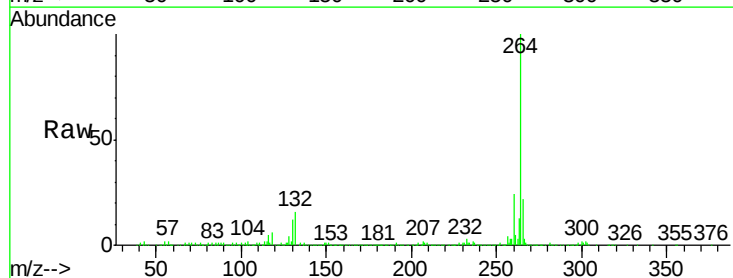
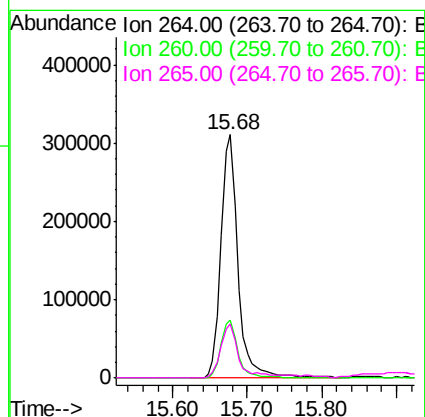
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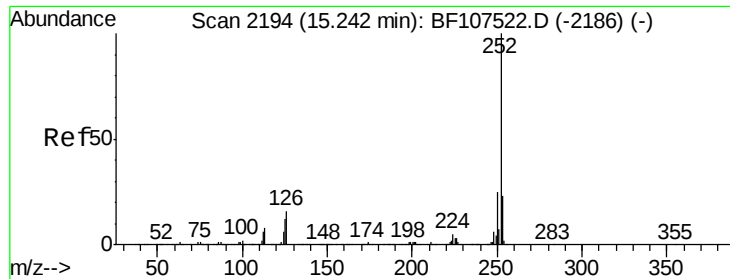
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.1	17.5	26.3





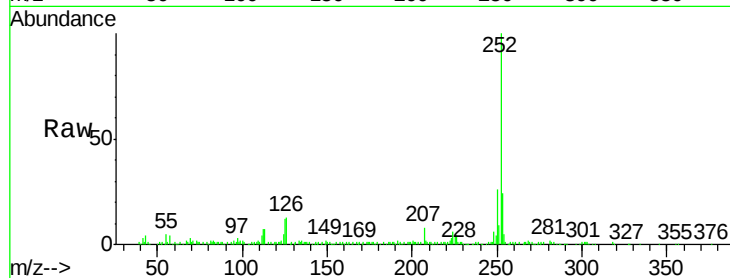
#87
Benzo(b)fluoranthene
Concen: 6.830 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Instrument :
BNA_F
ClientSampled :
SB-9(13-15)

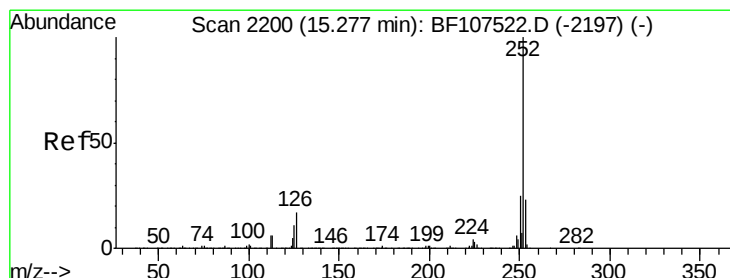
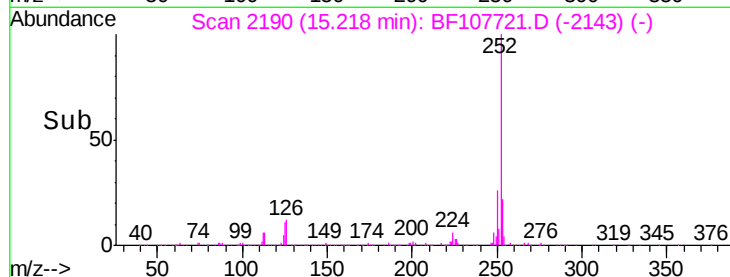
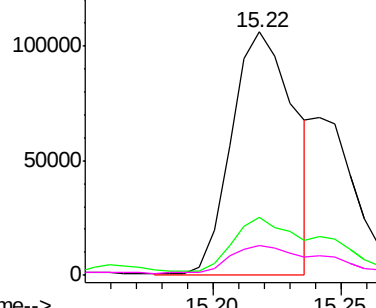
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	12.1	9.0	13.6

Manual Integrations
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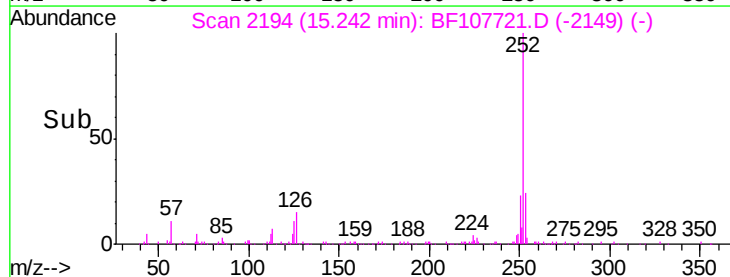
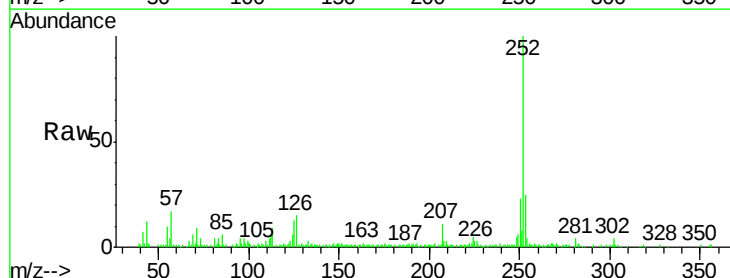
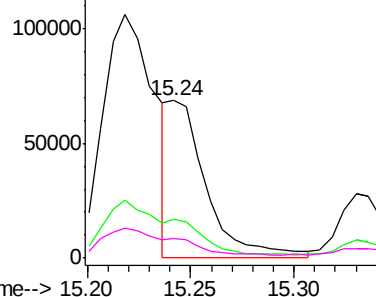
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

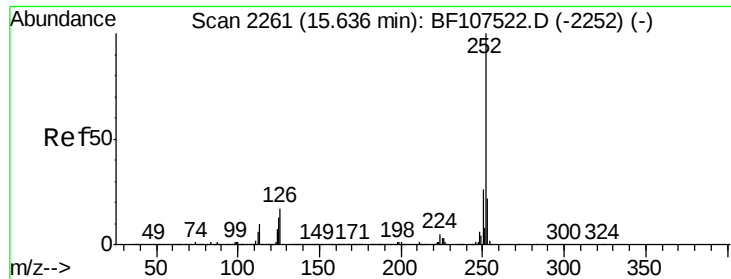


#88
Benzo(k)fluoranthene
Concen: 3.318 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	12.6	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





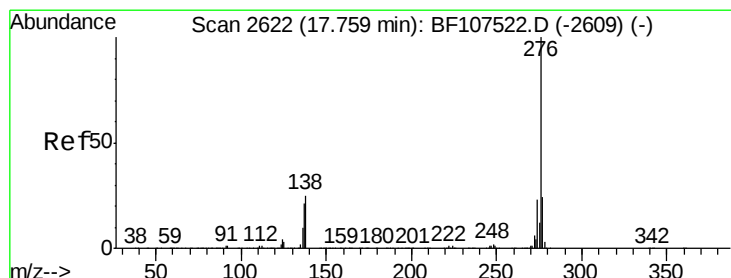
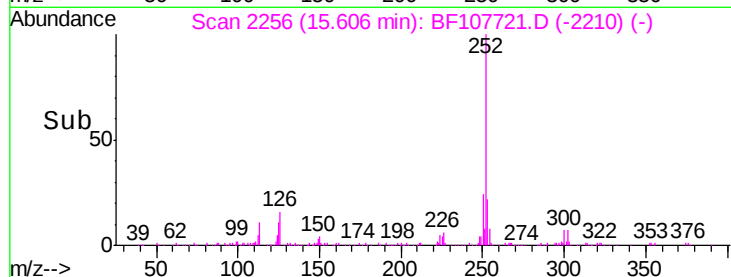
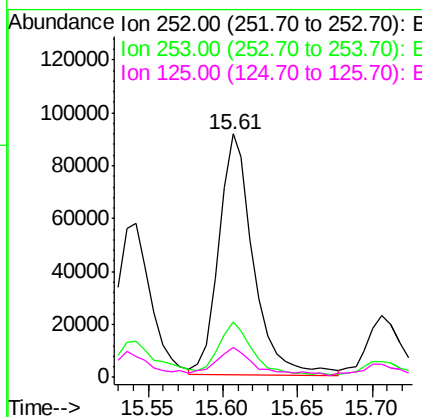
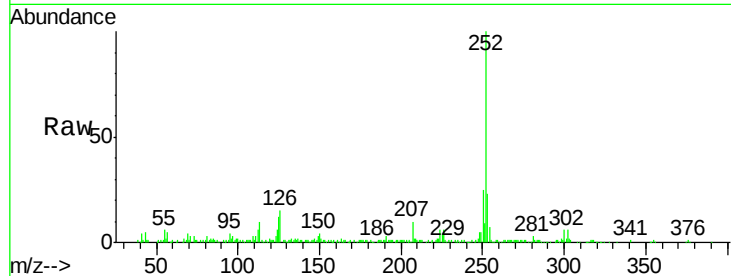
#89
Benzo(a)pyrene
Concen: 6.033 ng
RT: 15.61 min Scan# 2256
Delta R.T. -0.03 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Instrument :
BNA_F
ClientSampleId :
SB-9(13-15)

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	148265		
253	22.9	17.1	25.7	
125	12.3	9.8	14.6	

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.246 ng
RT: 17.72 min Scan# 2615
Delta R.T. -0.04 min
Lab File: BF107721.D
Acq: 27 Jul 2018 00:58

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	47061		
277	26.5	17.9	26.9	
138	26.2	21.8	32.8	

