

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107715.D
 Acq On : 26 Jul 2018 22:15
 Operator : JU/SJ
 Sample : J4109-06 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(8-10)

Manual Integrations
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Quant Time: Jul 27 11:51:32 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	165616	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	746810	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	326769	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	550687	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	424022	20.00	ng	-0.02
86) Perylene-d12	15.68	264	481181	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	127695m	12.40	ng	0.00
7) Phenol-d6	6.60	99	231393	18.71	ng	-0.01
23) Nitrobenzene-d5	7.53	82	136276	12.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	66702	17.95	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	289863	8.75	ng	-0.02
78) Terphenyl-d14	13.08	244	217726	13.15	ng	-0.02
Target Compounds						
57) Fluorene	10.55	166	49933	2.322	ng	95
70) Phenanthrene	11.52	178	317062	11.815	ng	98
71) Anthracene	11.57	178	130277	4.822	ng	97
74) Fluoranthene	12.71	202	448204	15.565	ng	97
77) Pyrene	12.94	202	359368	12.390	ng	96
80) Benzo(a)anthracene	14.14	228	228624m	9.201	ng	
82) Chrysene	14.17	228	175298	7.344	ng	98
85) Indeno(1,2,3-cd)pyrene	17.24	276	77256	3.819	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	211881m	8.046	ng	
88) Benzo(k)fluoranthene	15.24	252	96792m	3.752	ng	
89) Benzo(a)pyrene	15.61	252	166122	6.896	ng	95
91) Benzo(g,h,i)perylene	17.72	276	57923	2.820	ng	# 91

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

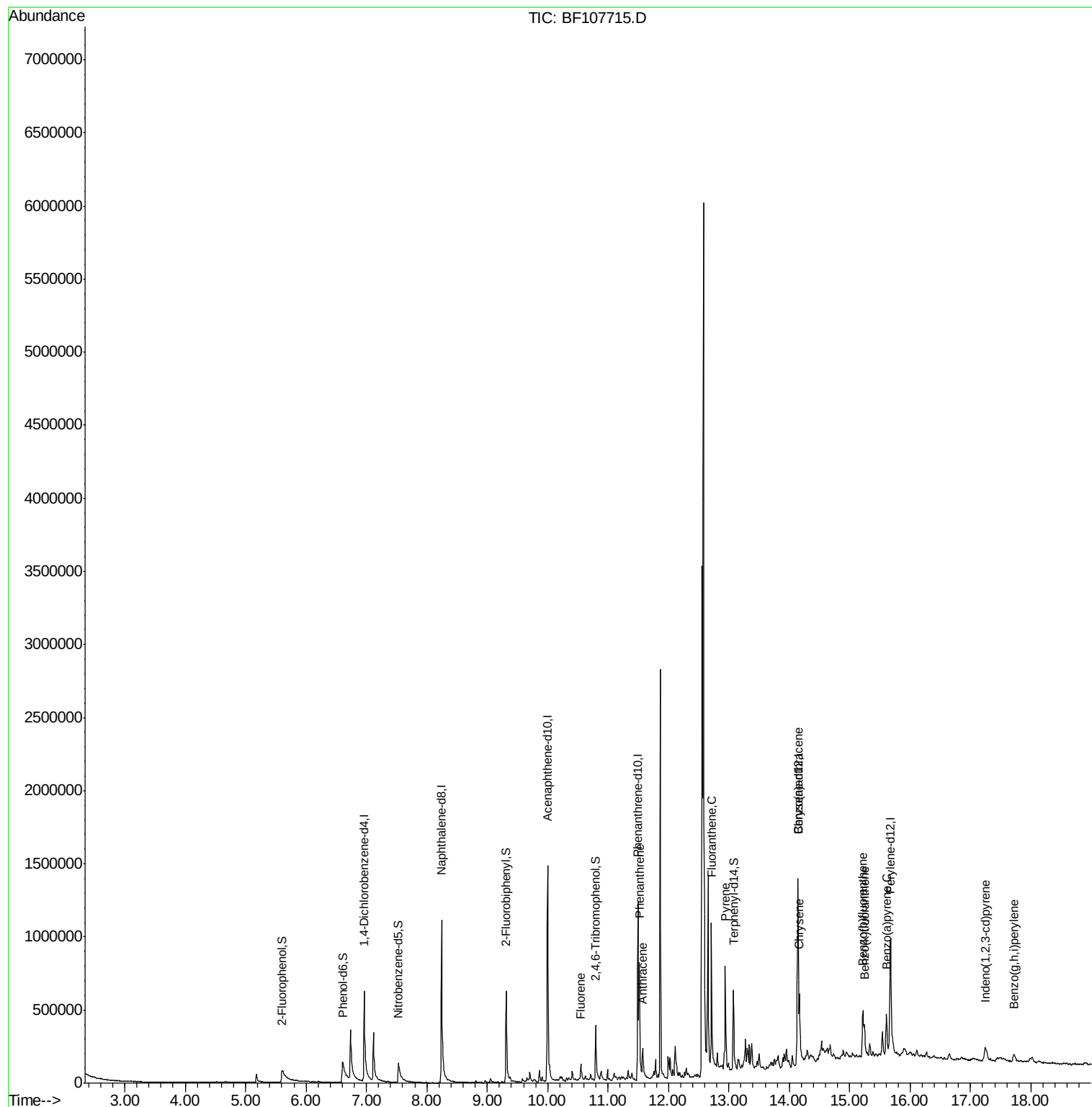
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
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ALS Vial : 19 Sample Multiplier: 1

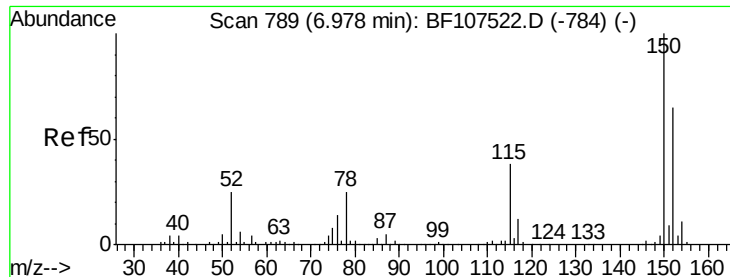
Instrument :
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SB-11(8-10)

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#1

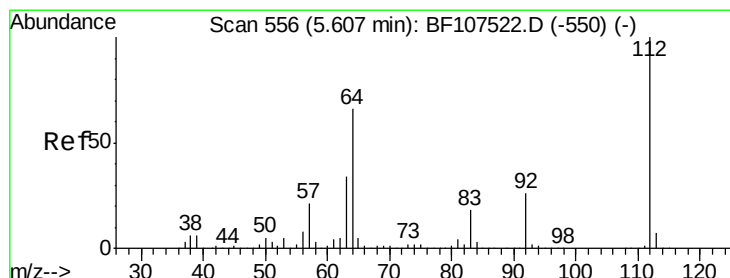
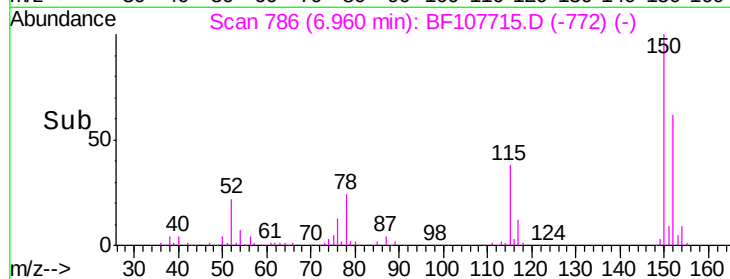
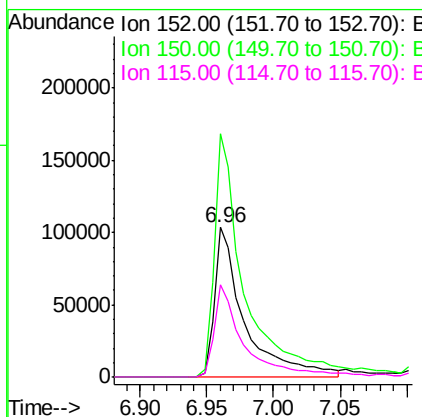
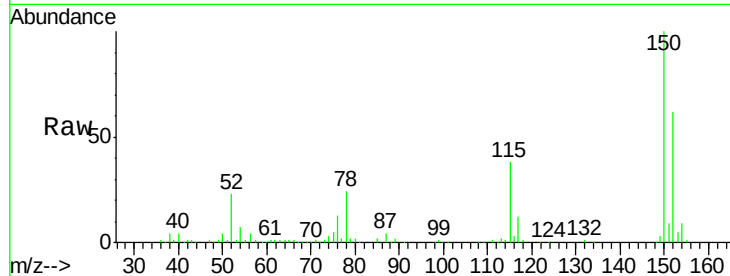
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107715.D
Acq: 26 Jul 2018 22:15

Instrument :
BNA_F
ClientSampleId :
SB-11(8-10)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.3	124.6	186.8
115	61.9	50.1	75.1

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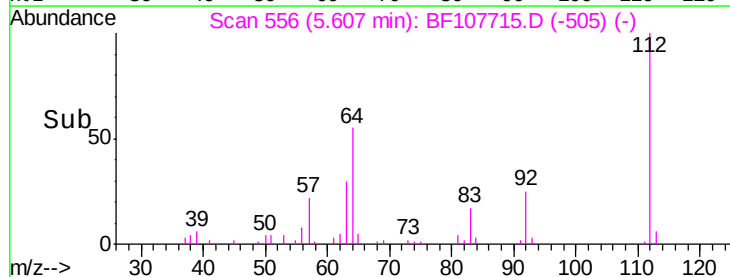
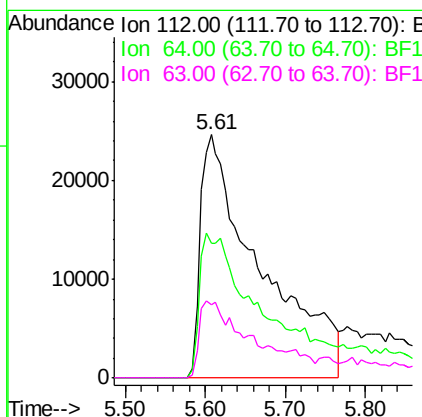
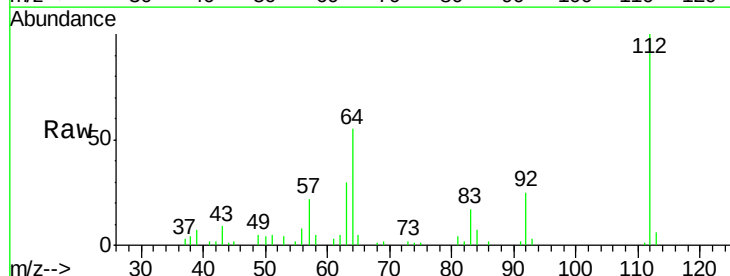
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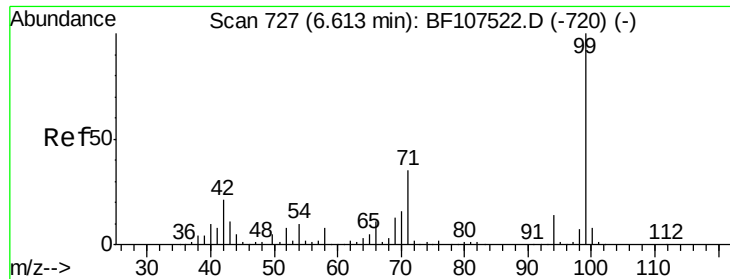


#5

2-Fluorophenol
Concen: 12.397 ng m
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107715.D
Acq: 26 Jul 2018 22:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	30.3	23.7	35.5





#7

Phenol-d6

Concen: 18.708 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107715.D

Acq: 26 Jul 2018 22:15

Instrument :

BNA_F

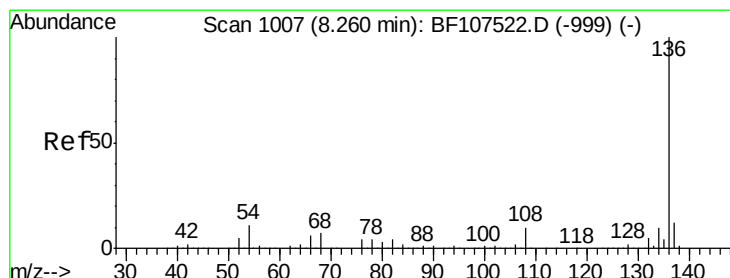
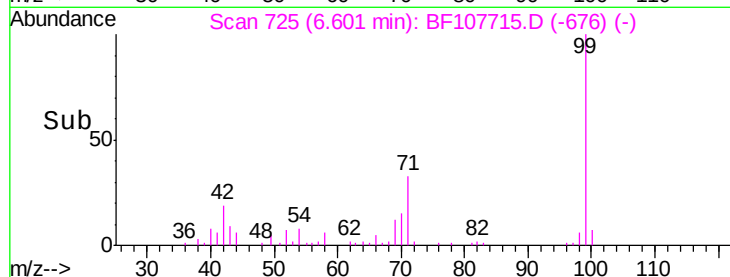
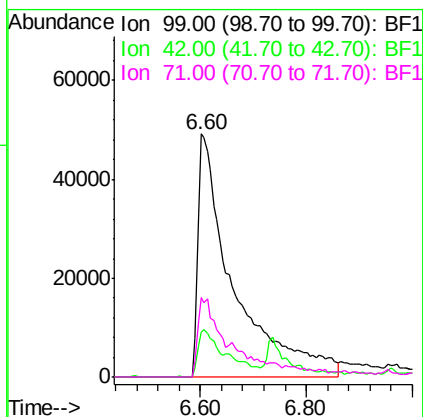
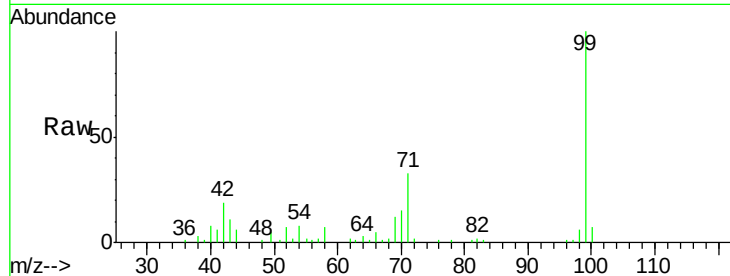
ClientSampleId :

SB-11(8-10)

Tgt Ion:	99	Resp:	231393
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

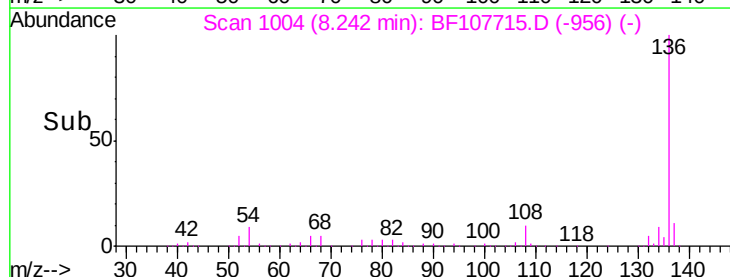
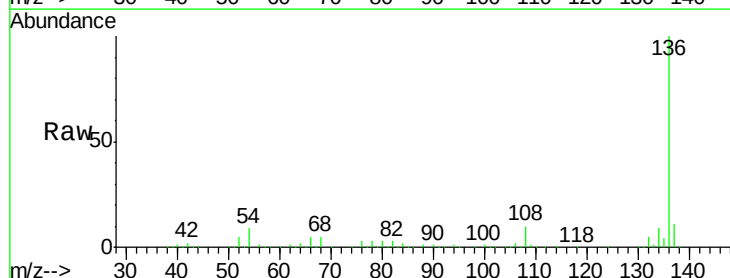
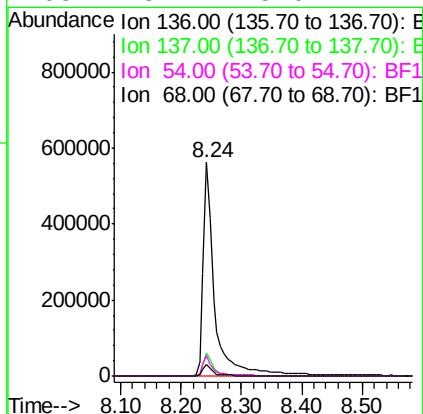
RT: 8.24 min Scan# 1004

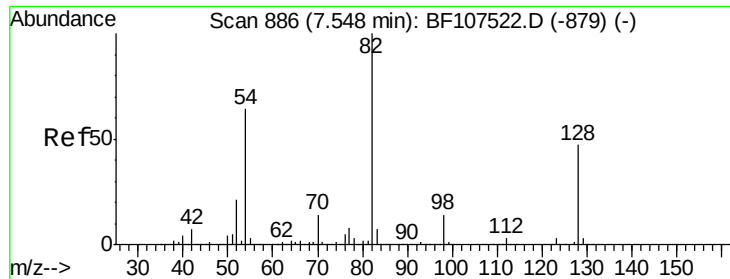
Delta R.T. -0.02 min

Lab File: BF107715.D

Acq: 26 Jul 2018 22:15

Tgt Ion:	136	Resp:	746810
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	9.4	6.6	9.8
68	5.4	5.0	7.4





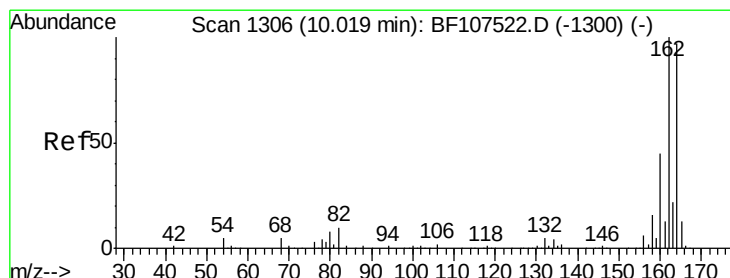
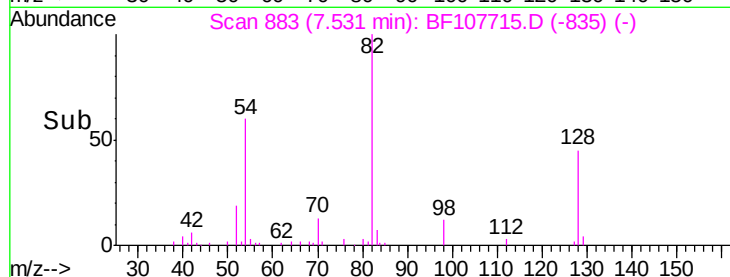
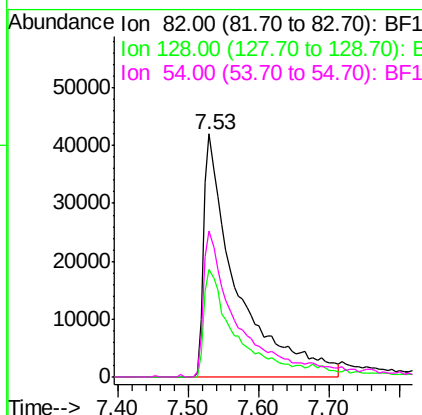
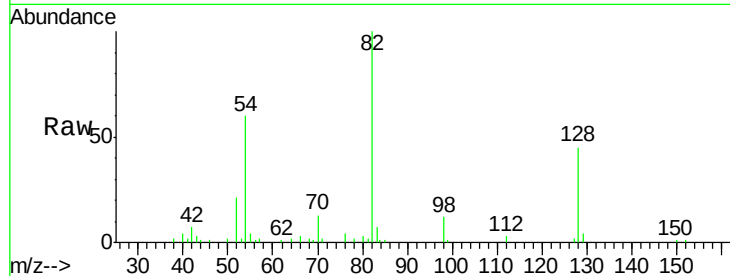
#23
Nitrobenzene-d5
Concen: 12.315 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107715.D
Acq: 26 Jul 2018 22:15

Instrument :
BNA_F
ClientSampleId :
SB-11(8-10)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	60.0	41.4	62.2

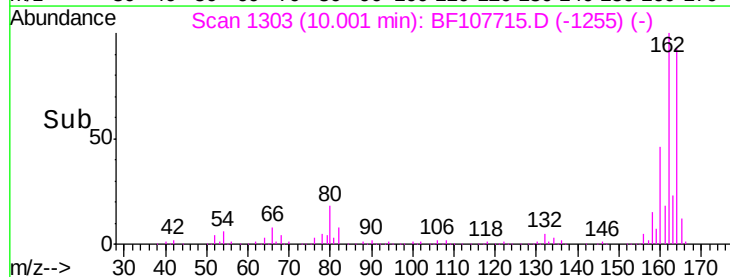
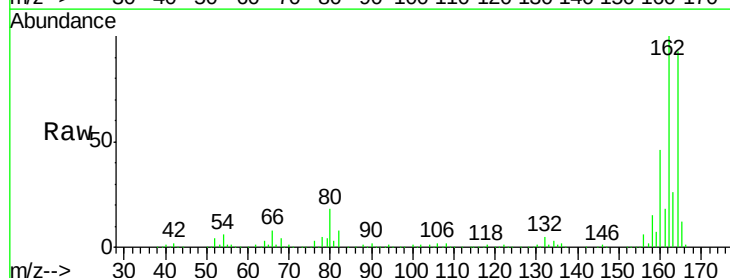
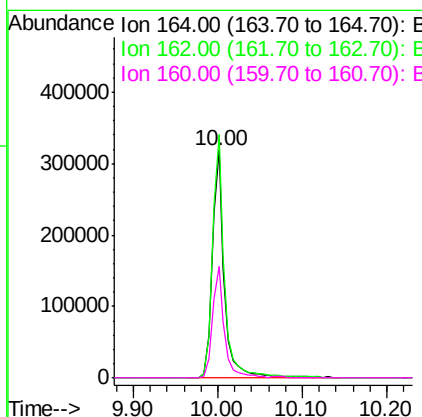
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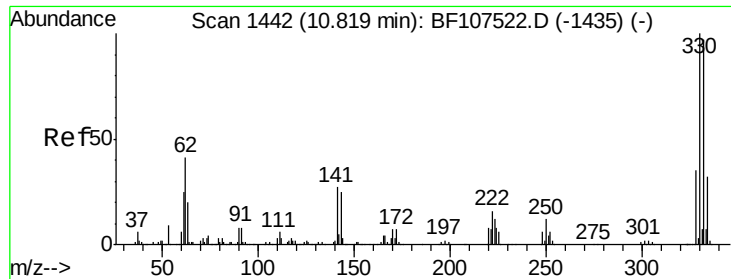
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.02 min
Lab File: BF107715.D
Acq: 26 Jul 2018 22:15

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.0	86.1	129.1
160	49.2	38.3	57.5





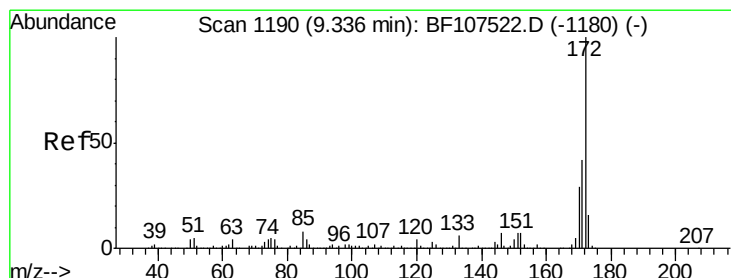
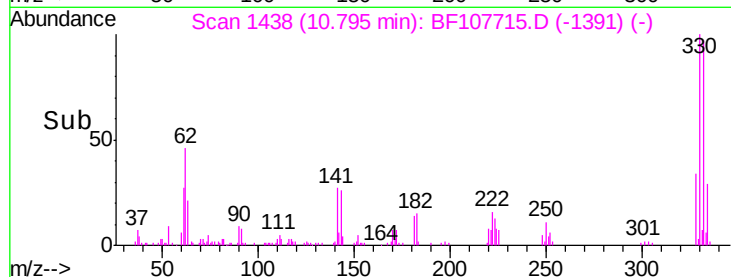
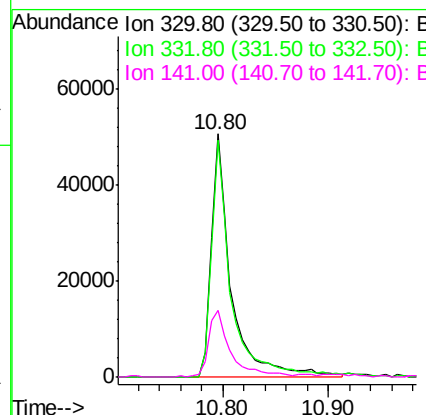
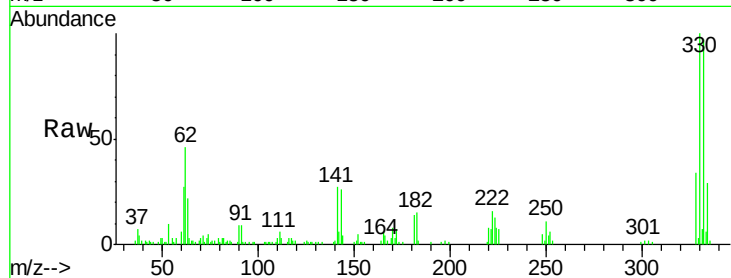
#41
 2,4,6-Tribromophenol
 Concen: 17.951 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107715.D
 Acq: 26 Jul 2018 22:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(8-10)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.0	115.6
141	30.6	29.9	44.9

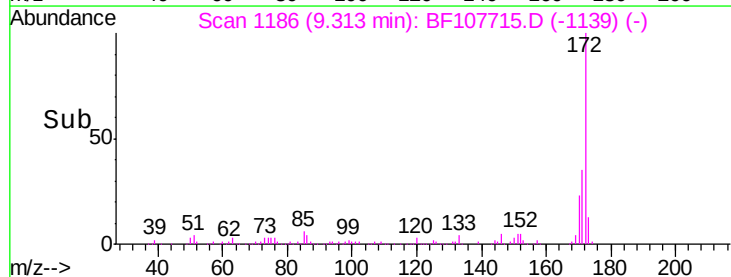
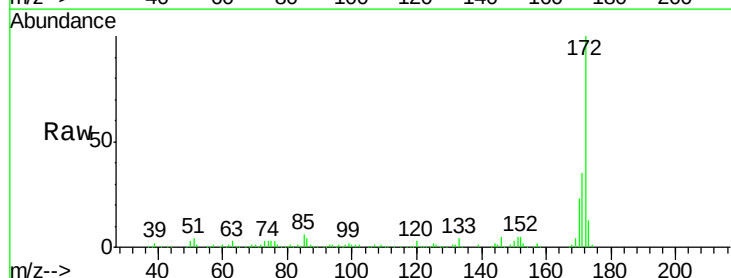
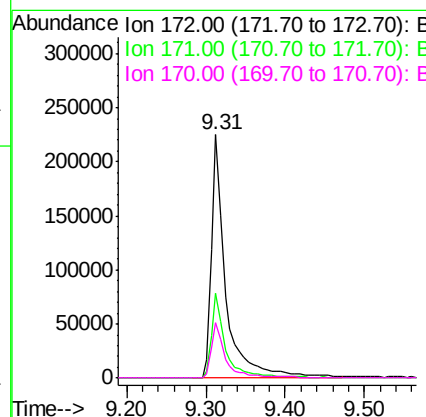
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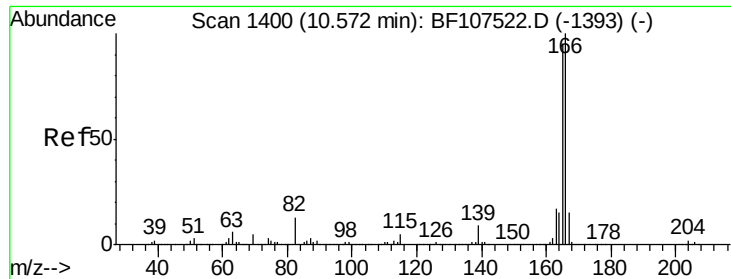
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#44
 2-Fluorobiphenyl
 Concen: 8.747 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107715.D
 Acq: 26 Jul 2018 22:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	22.8	19.6	29.4





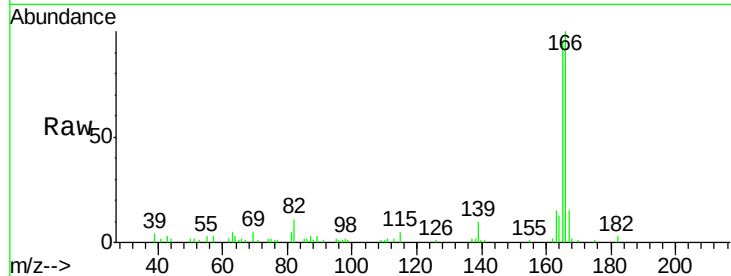
#57
 Fluorene
 Concen: 2.322 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.02 min
 Lab File: BF107715.D
 Acq: 26 Jul 2018 22:15

Instrument :
 BNA_F
 ClientSampled :
 SB-11(8-10)

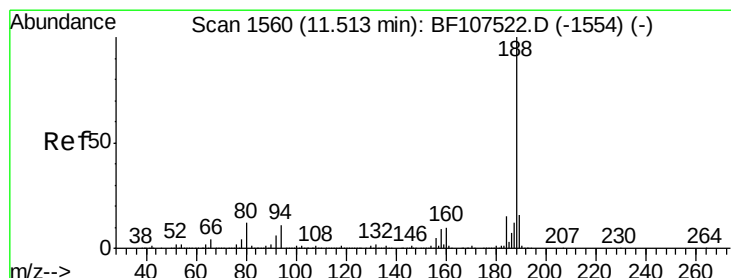
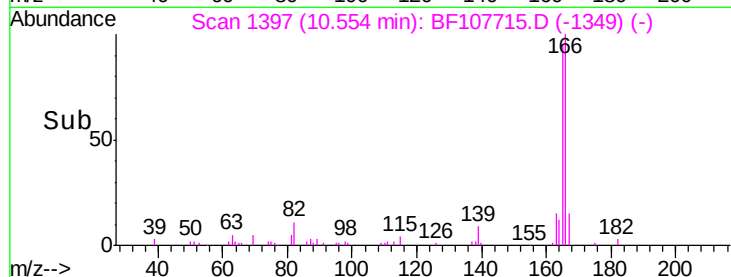
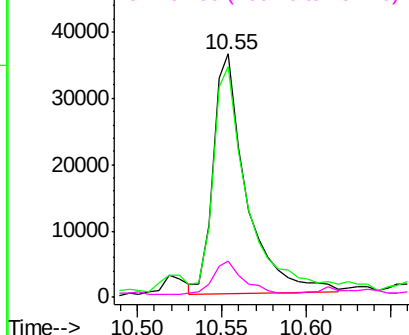
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	49933		
165	94.7	79.8	119.8	
167	14.7	10.6	16.0	

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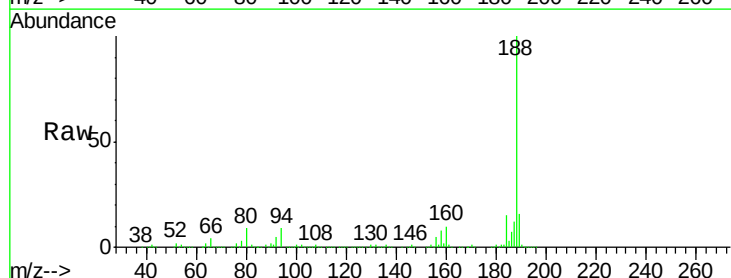


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

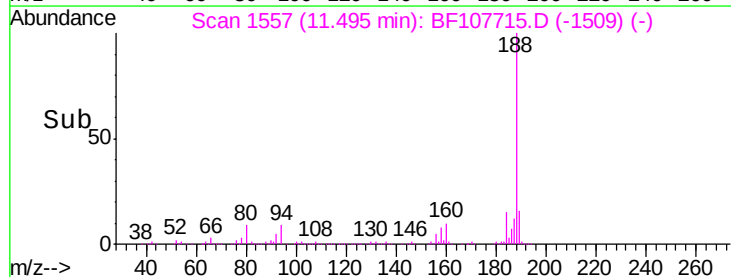
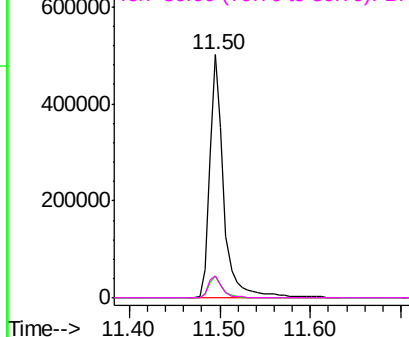


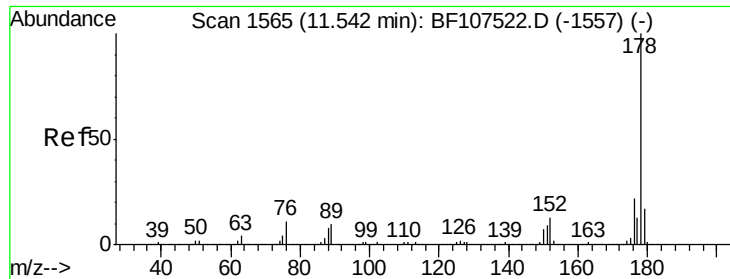
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF107715.D
 Acq: 26 Jul 2018 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	550687		
94	9.1	8.5	12.7	
80	9.1	9.2	13.8	



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





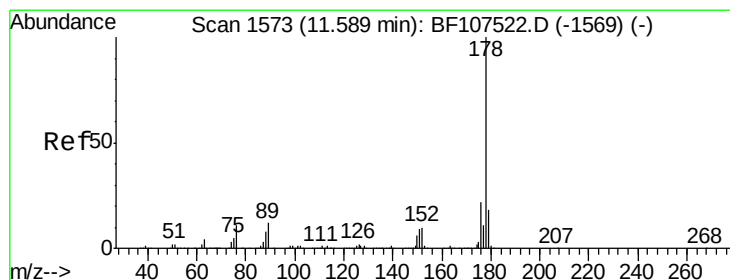
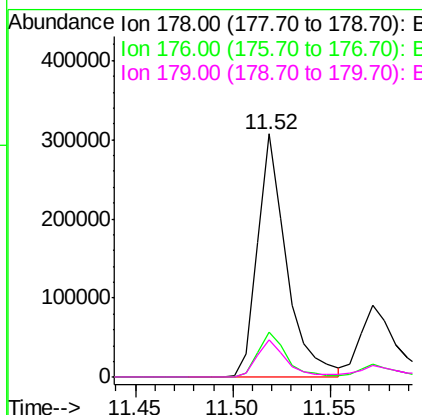
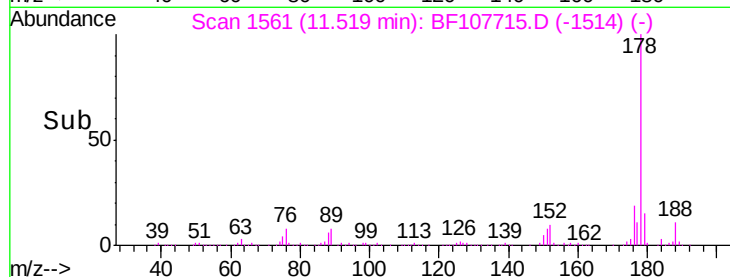
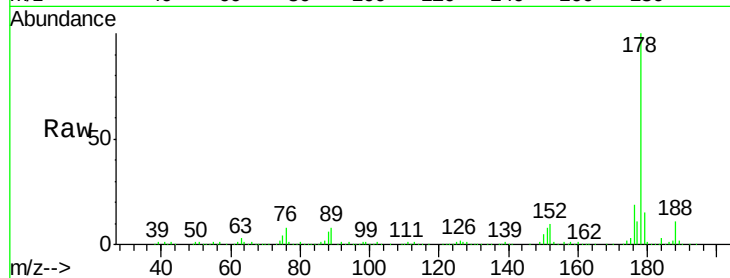
#70
 Phenanthrene
 Concen: 11.815 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF107715.D
 Acq: 26 Jul 2018 22:15

Instrument :
 BNA_F
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 SB-11(8-10)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.3	13.0	19.6

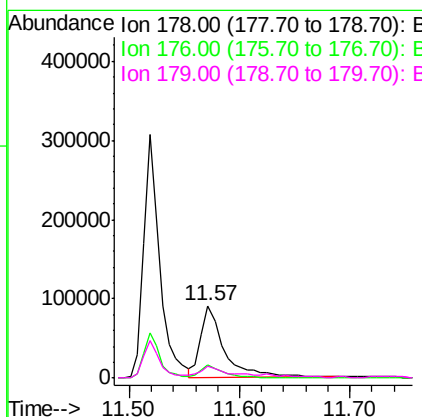
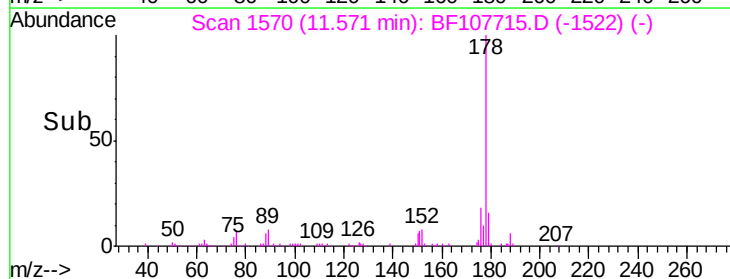
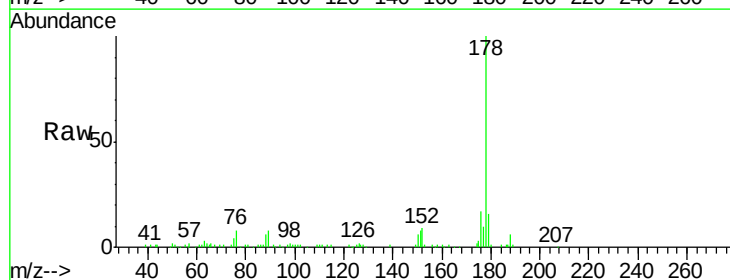
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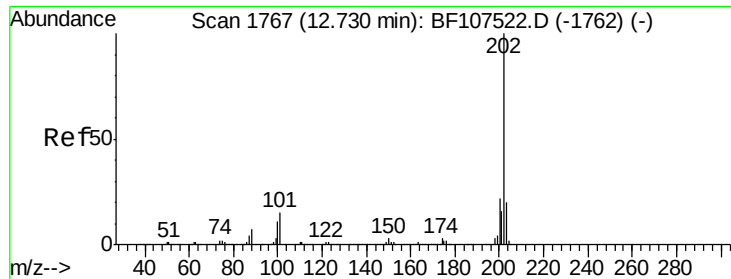
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#71
 Anthracene
 Concen: 4.822 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: BF107715.D
 Acq: 26 Jul 2018 22:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	16.2	12.6	19.0





#74

Fluoranthene

Concen: 15.565 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107715.D

Acq: 26 Jul 2018 22:15

Instrument :

BNA_F

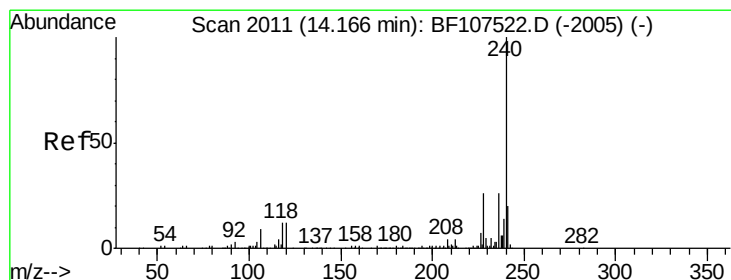
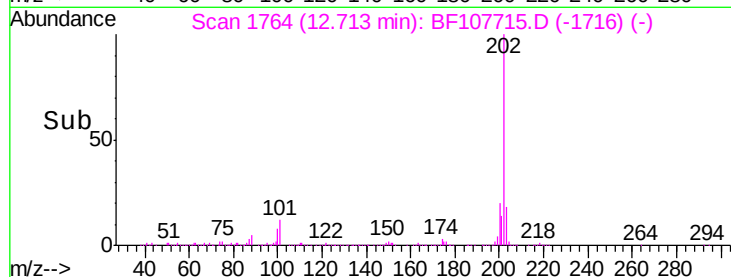
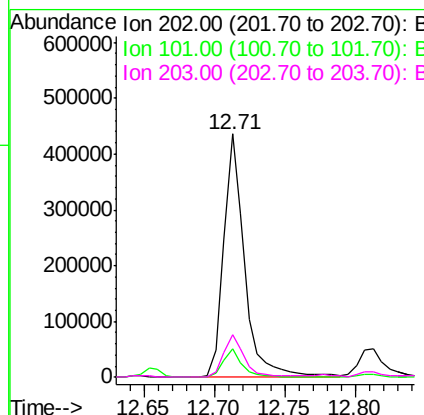
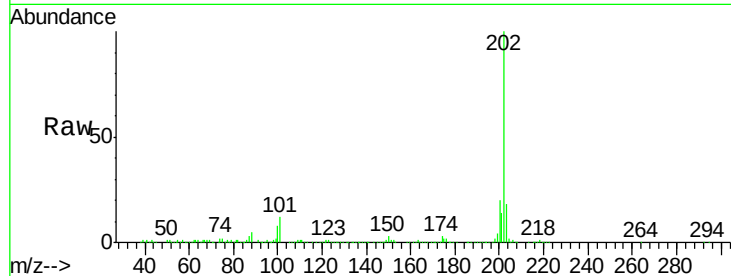
ClientSampleId :

SB-11(8-10)

Tgt	Ion:202	Resp:	448204
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

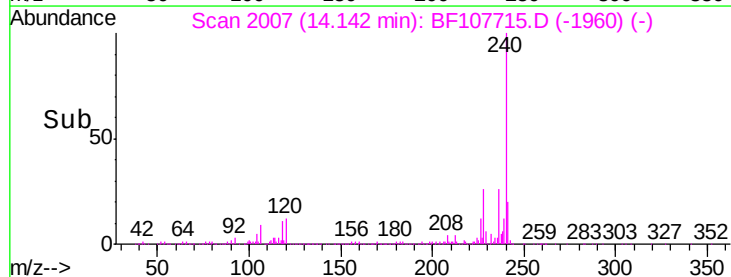
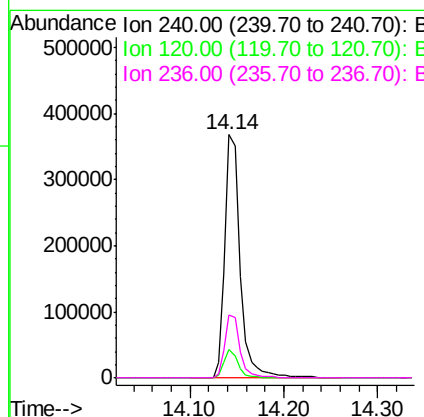
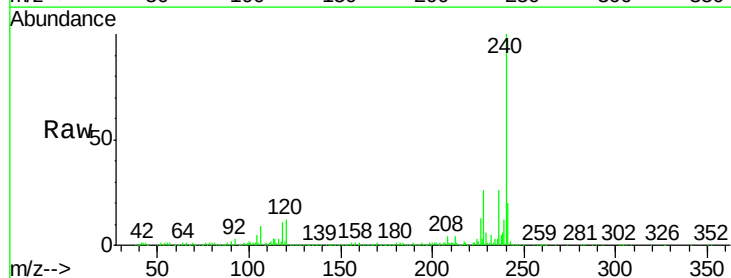
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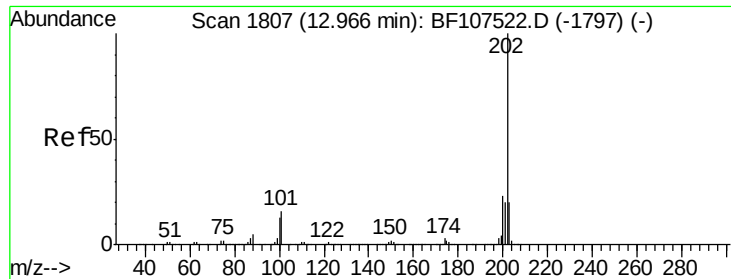
Delta R.T. -0.02 min

Lab File: BF107715.D

Acq: 26 Jul 2018 22:15

Tgt	Ion:240	Resp:	424022
Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.5	14.3
236	26.0	20.7	31.1





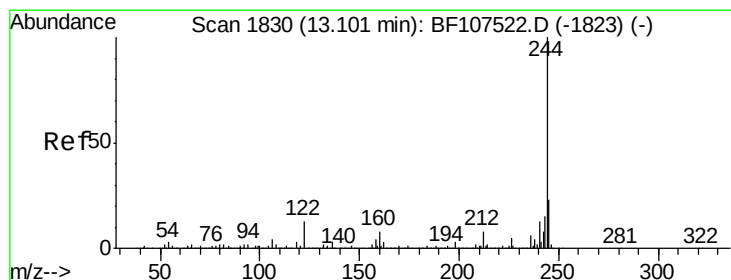
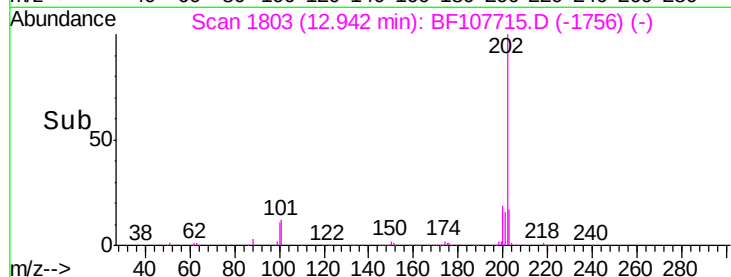
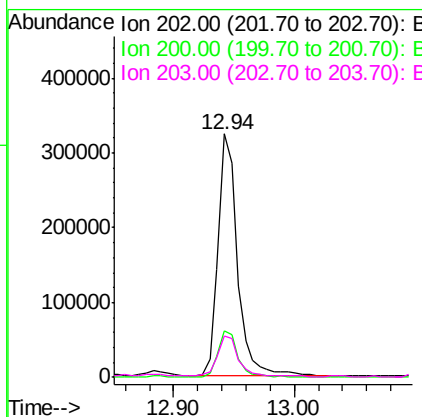
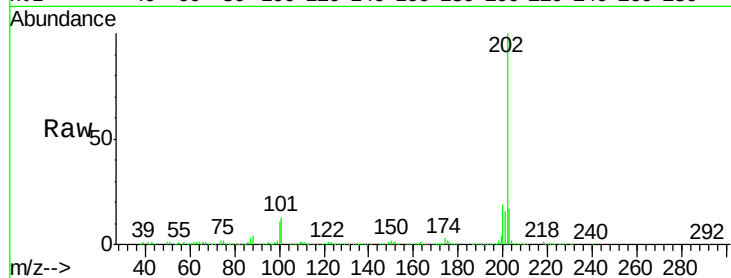
#77
 Pyrene
 Concen: 12.390 ng
 RT: 12.94 min Scan# 1803
 Delta R.T. -0.02 min
 Lab File: BF107715.D
 Acq: 26 Jul 2018 22:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-11(8-10)

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.1	17.4	26.2
203	17.1	14.3	21.5

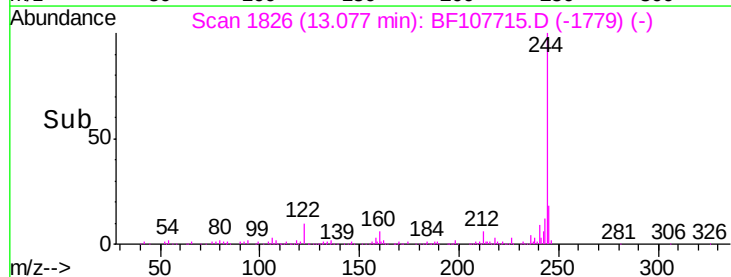
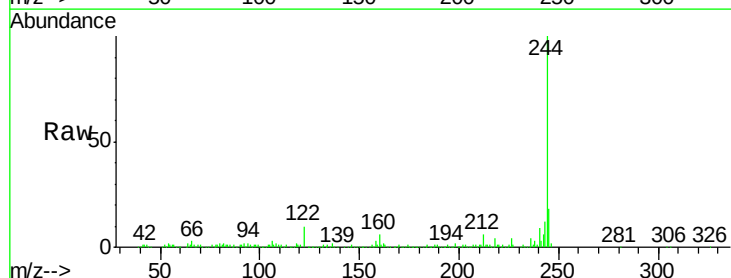
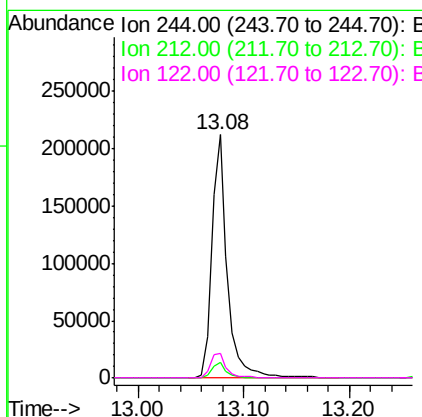
Manual Integrations
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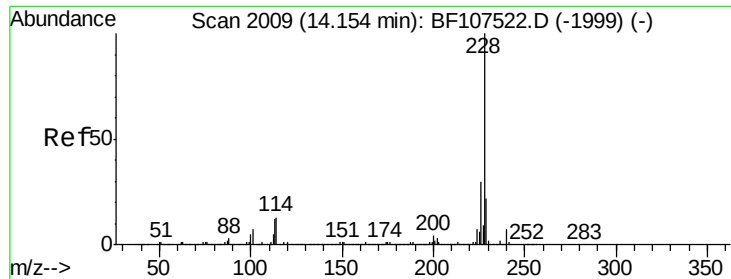
Sohil
 7/27/2018 2:54:08 PM



#78
 Terphenyl-d14
 Concen: 13.146 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF107715.D
 Acq: 26 Jul 2018 22:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	10.0	11.0	16.4





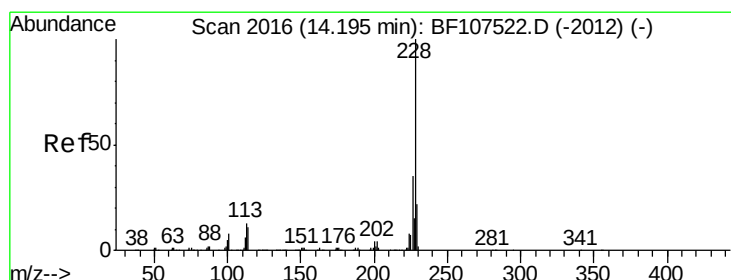
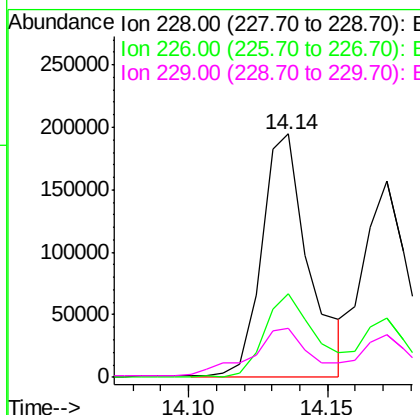
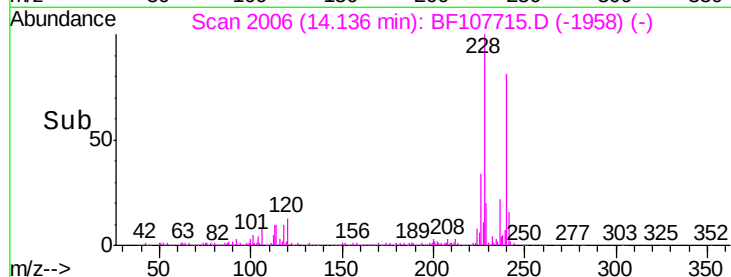
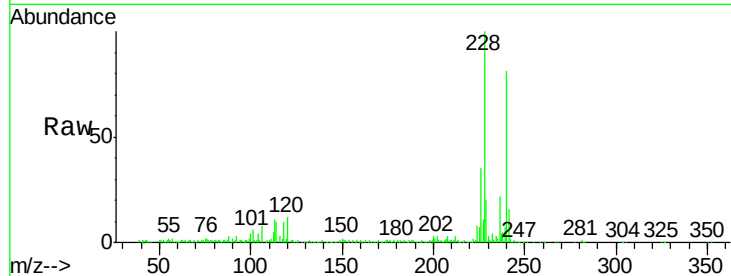
#80
Benzo(a)anthracene
Concen: 9.201 ng m
RT: 14.14 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF107715.D
Acq: 26 Jul 2018 22:15

Instrument :
BNA_F
ClientSampleId :
SB-11(8-10)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.5	22.6	33.8#
229	20.3	15.8	23.6

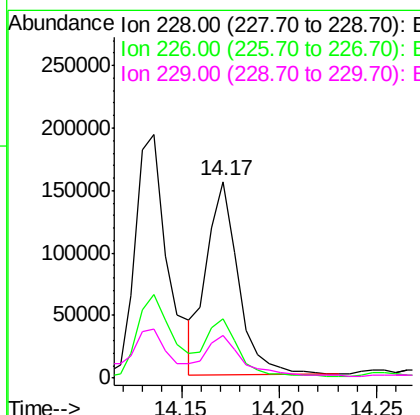
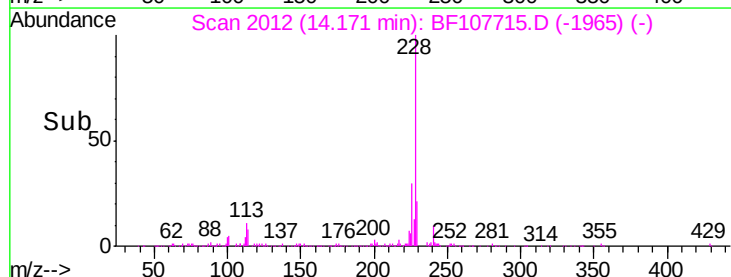
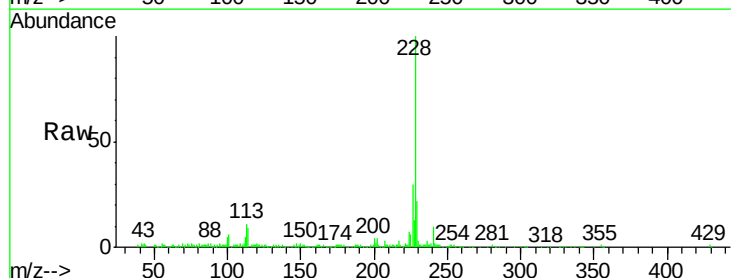
Manual Integrations
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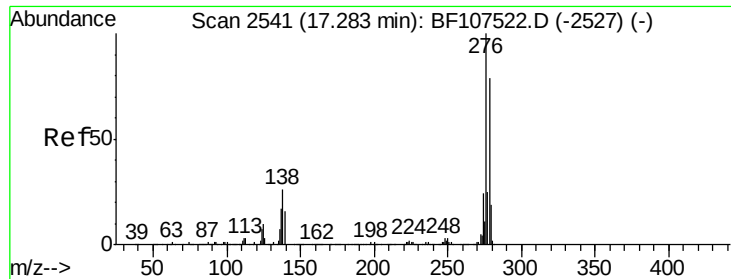
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#82
Chrysene
Concen: 7.344 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107715.D
Acq: 26 Jul 2018 22:15

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





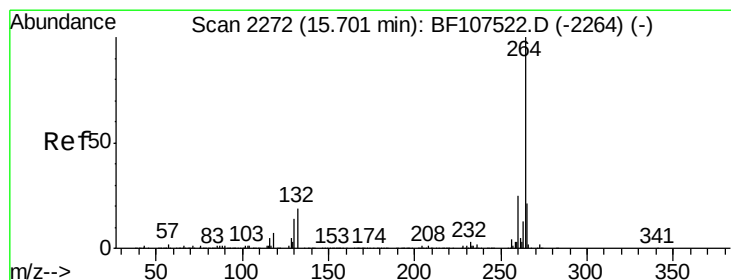
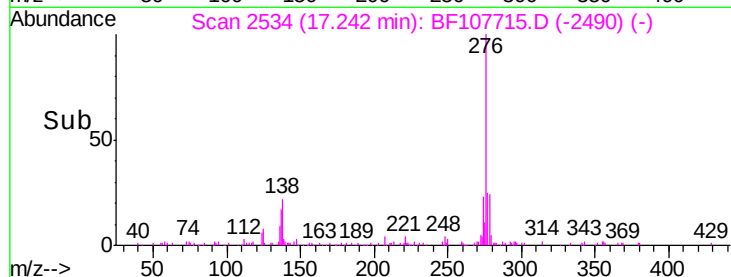
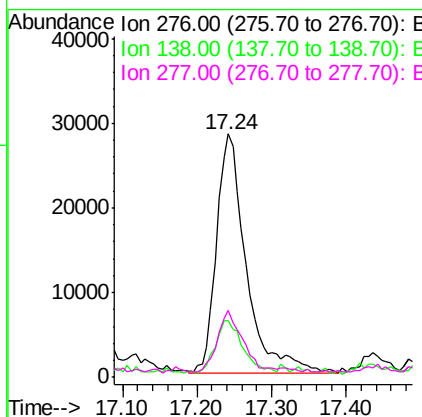
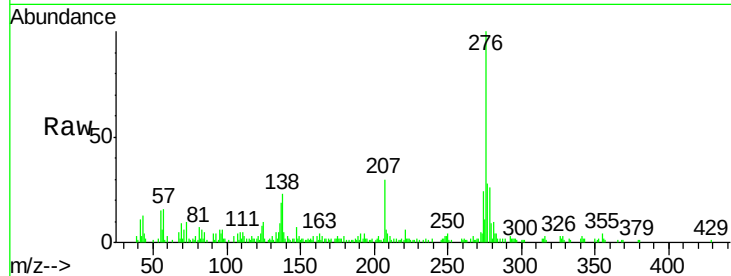
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.819 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.04 min
Lab File: BF107715.D
Acq: 26 Jul 2018 22:15

Instrument :
BNA_F
ClientSampleId :
SB-11(8-10)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	25.0	37.6#
277	22.3	20.1	30.1

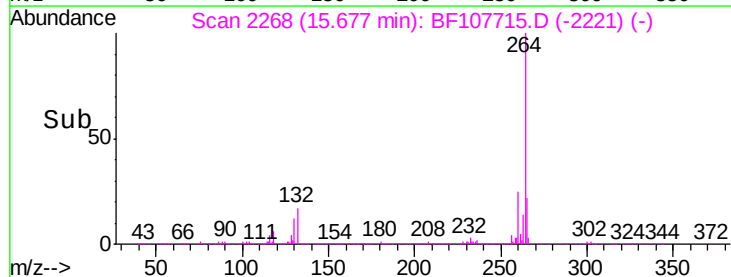
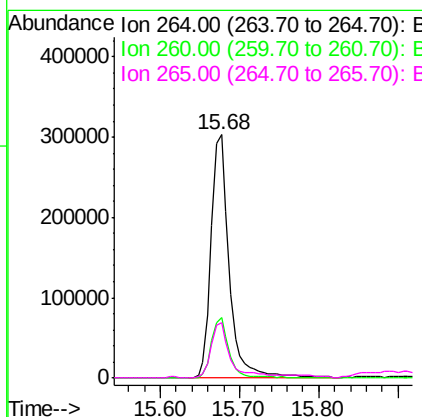
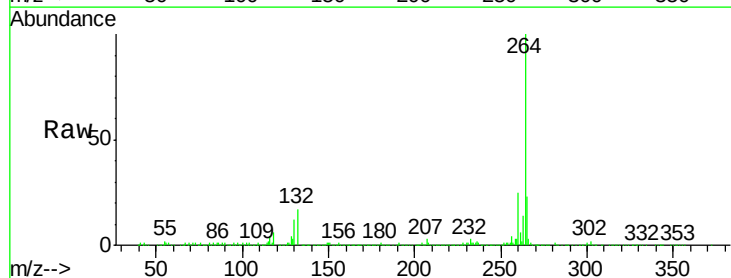
Manual Integrations
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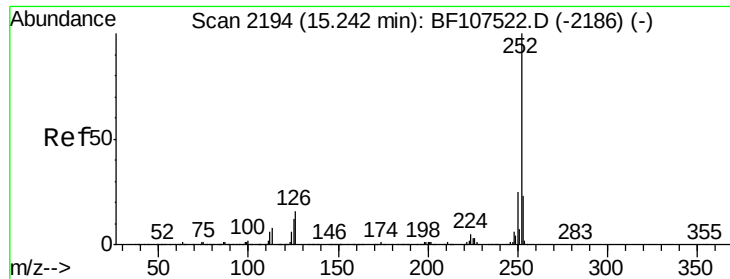
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107715.D
Acq: 26 Jul 2018 22:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.7	17.5	26.3





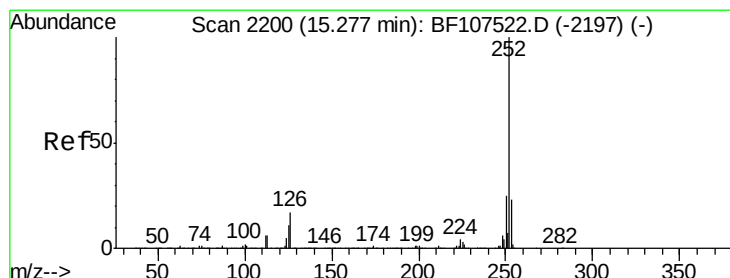
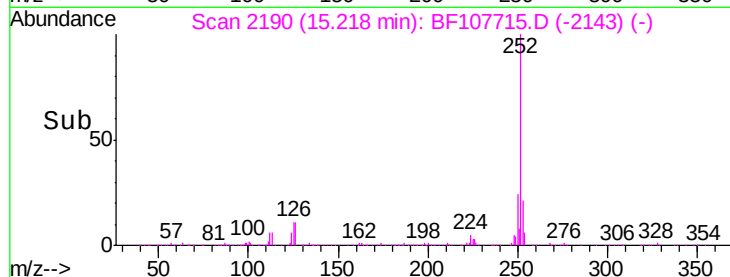
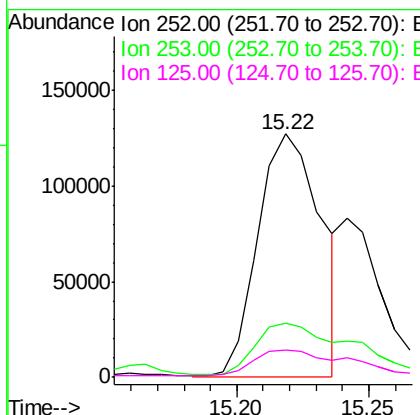
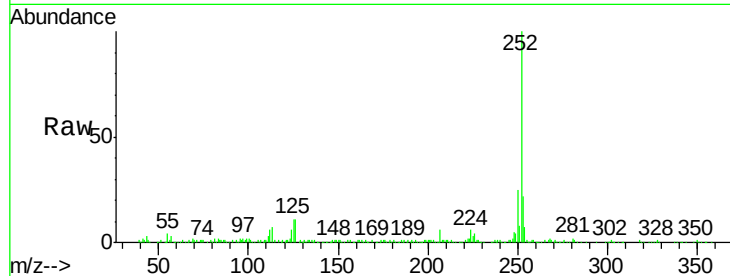
#87
Benzo(b)fluoranthene
Concen: 8.046 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF107715.D
Acq: 26 Jul 2018 22:15

Instrument :
BNA_F
ClientSampleId :
SB-11(8-10)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.2	9.0	13.6

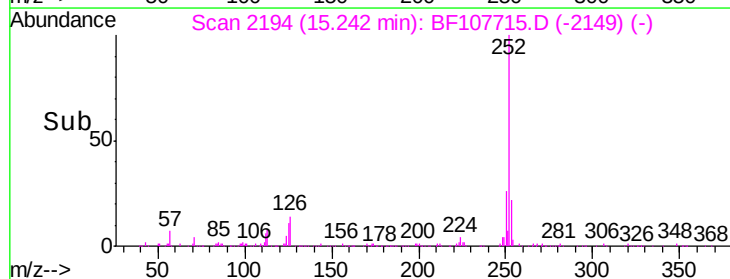
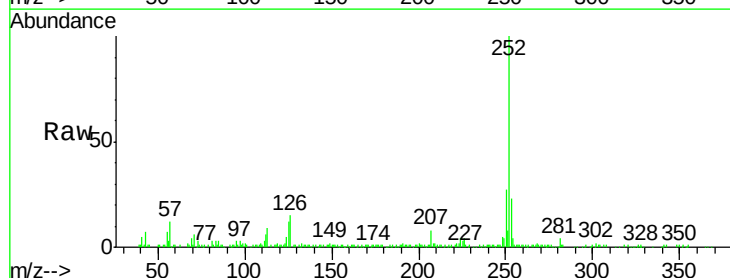
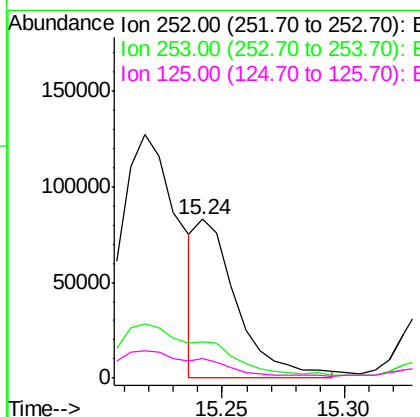
Manual Integrations
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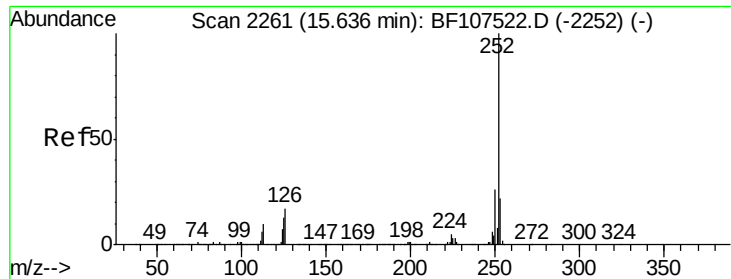
Sohil
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#88
Benzo(k)fluoranthene
Concen: 3.752 ng m
RT: 15.24 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF107715.D
Acq: 26 Jul 2018 22:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 6.896 ng

RT: 15.61 min Scan# 2256

Delta R.T. -0.03 min

Lab File: BF107715.D

Acq: 26 Jul 2018 22:15

Instrument :

BNA_F

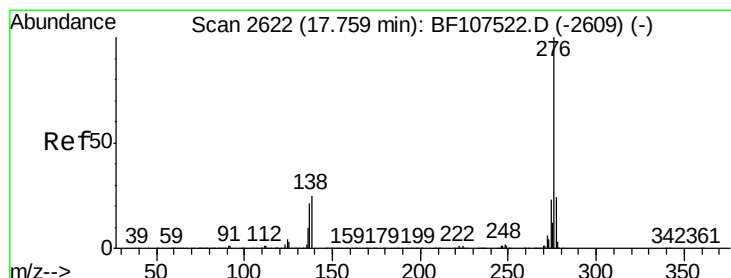
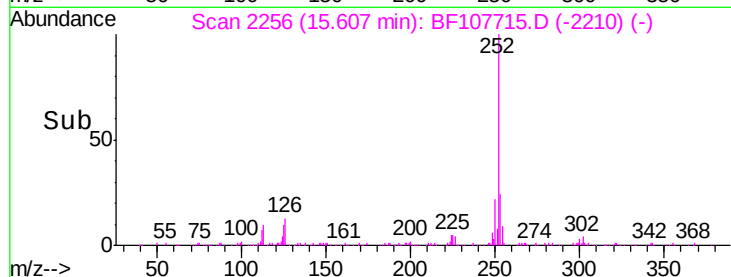
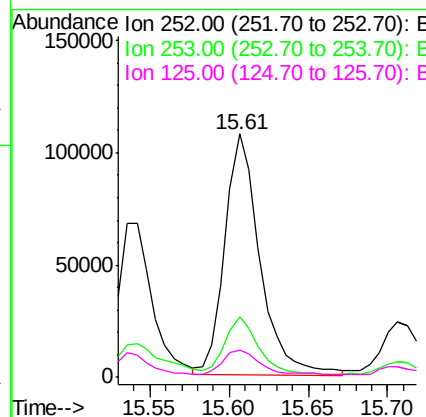
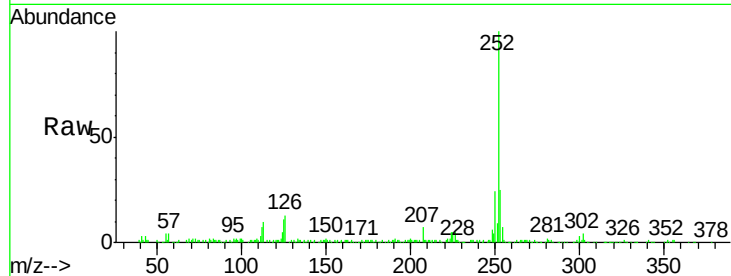
ClientSampleId :

SB-11(8-10)

Tgt Ion:	252	Resp:	166122
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.1	25.7
125	11.3	9.8	14.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 2.820 ng

RT: 17.72 min Scan# 2615

Delta R.T. -0.04 min

Lab File: BF107715.D

Acq: 26 Jul 2018 22:15

Tgt Ion:	276	Resp:	57923
Ion Ratio	Lower	Upper	
276	100		
277	24.5	17.9	26.9
138	20.8	21.8	32.8#

