

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107943.D
 Acq On : 3 Aug 2018 17:45
 Operator : JU/SJ
 Sample : J4298-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Manual Integrations
 APPROVED

Sohil
 8/6/2018 5:05:33 PM

Quant Time: Aug 06 10:42:12 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	6.96	152	113922	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	521076	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	235298	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	419431	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	304033	20.00	ng	-0.01
86) Perylene-d12	15.68	264	338661	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	775542	115.70	ng	0.00
7) Phenol-d6	6.60	99	1104693	125.05	ng	-0.01
23) Nitrobenzene-d5	7.52	82	684223	75.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	271805	85.01	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1368405	81.04	ng	-0.01
78) Terphenyl-d14	13.07	244	1035295	73.84	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.70	163	176232	9.973	ng	99
70) Phenanthrene	11.51	178	296123	14.869	ng	98
71) Anthracene	11.57	178	104956	4.569	ng	94
74) Fluoranthene	12.71	202	521769	22.300	ng	96
77) Pyrene	12.94	202	458692	20.952	ng	97
80) Benzo(a)anthracene	14.13	228	229772	13.341	ng	97
82) Chrysene	14.17	228	216411	11.650	ng	96
85) Indeno(1,2,3-cd)pyrene	17.27	276	129871	9.191	ng	# 85
87) Benzo(b)fluoranthene	15.22	252	254170m	15.217	ng	
88) Benzo(k)fluoranthene	15.24	252	160352m	7.819	ng	
89) Benzo(a)pyrene	15.61	252	229298	13.298	ng	96
91) Benzo(a,h,i)perylene	17.74	276	121157	8.325	ng	94

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

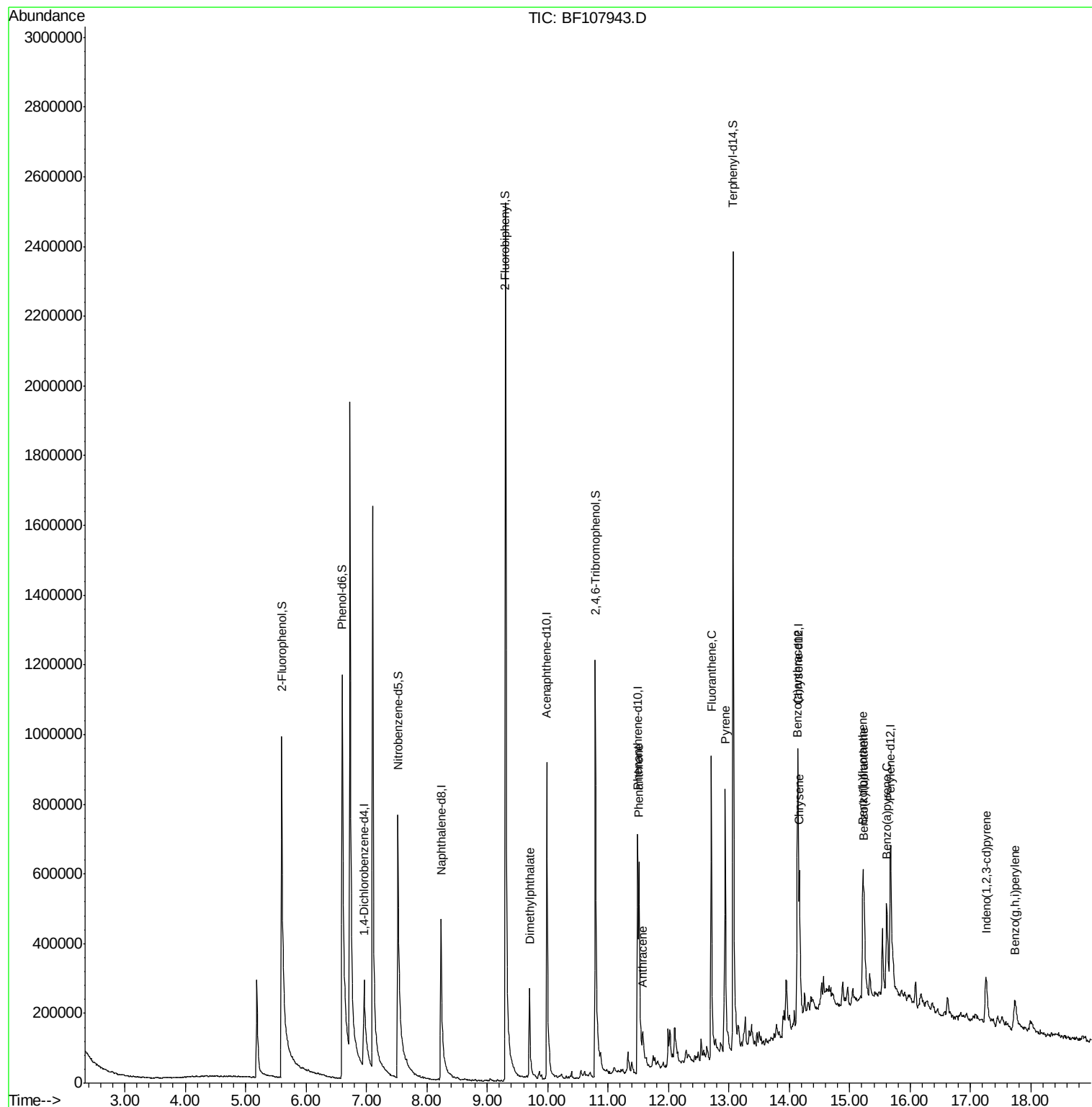
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107943.D
Acq On : 3 Aug 2018 17:45
Operator : JU/SJ
Sample : J4298-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

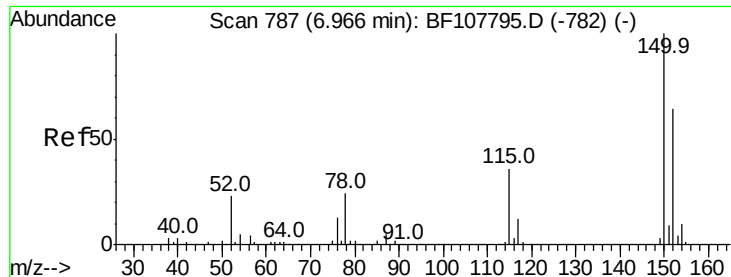
Instrument :
BNA_F
ClientSampled :
WC-3

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

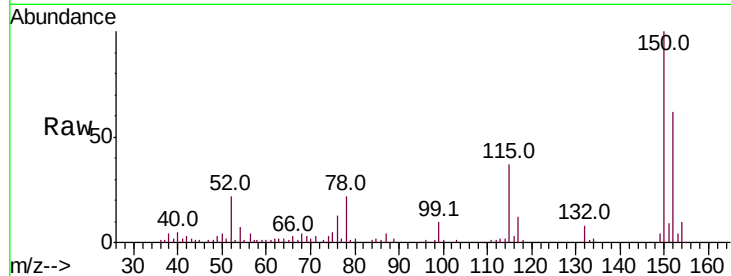
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Instrument :
BNA_F
ClientSampleId :
WC-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	124.6	186.8
115	59.5	50.1	75.1

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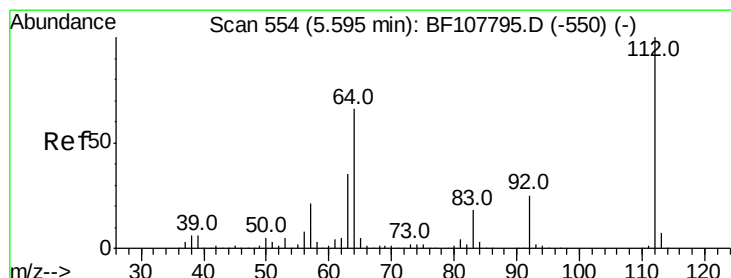
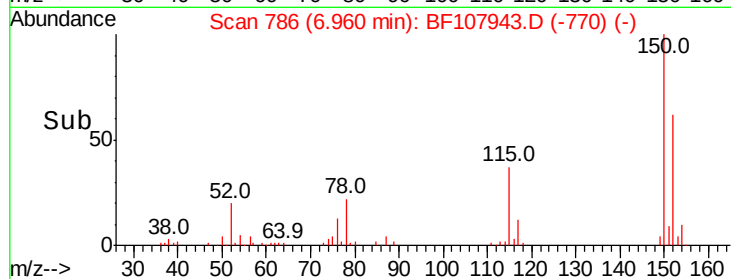
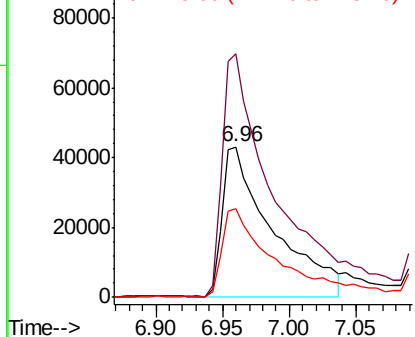


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

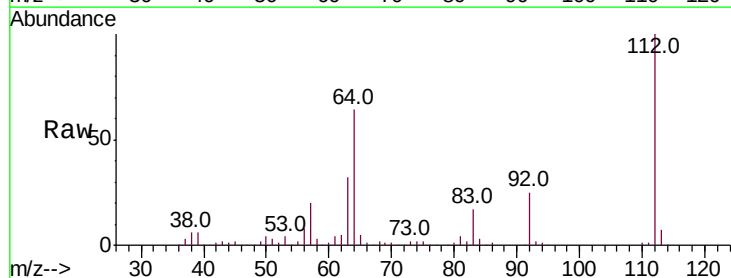
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 115.699 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.9	47.9	71.9
63	32.3	23.7	35.5

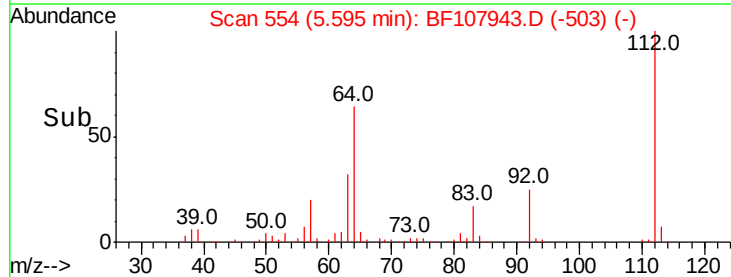
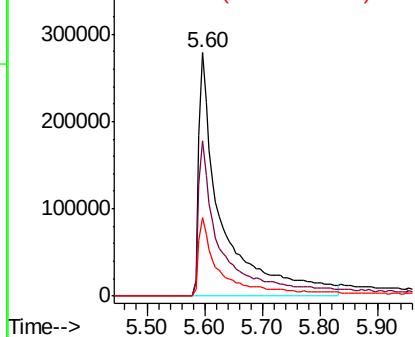


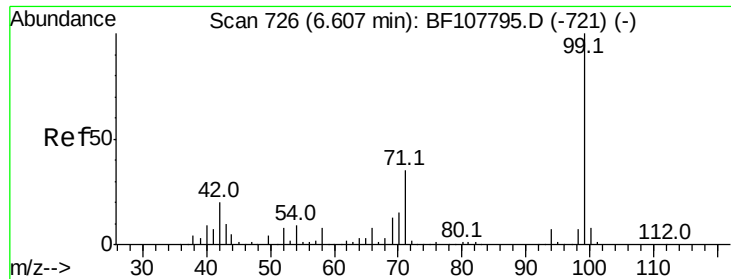
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 125.046 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

Instrument :

BNA_F

ClientSampled :

WC-3

Tot Ion: 99 Resp: 1104693

Ion Ratio Lower Upper

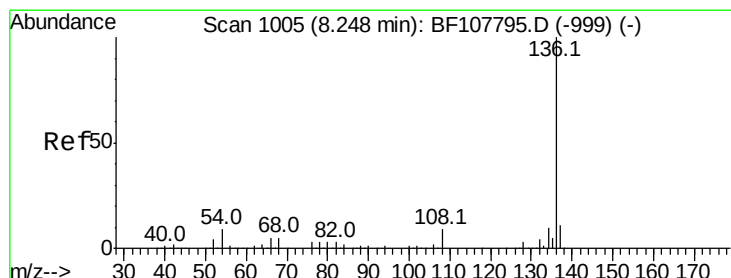
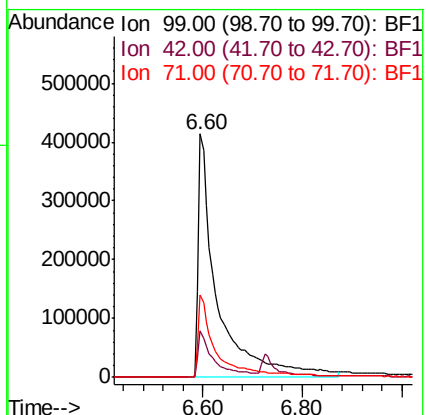
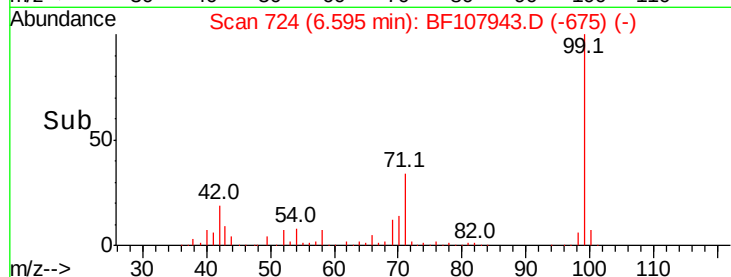
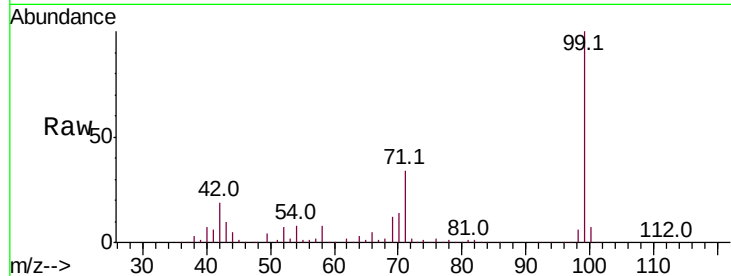
99 100

42 18.9 14.5 21.7

71 33.8 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: BF107943.D

Acq: 3 Aug 2018 17:45

Tgt Ion: 136 Resp: 521076

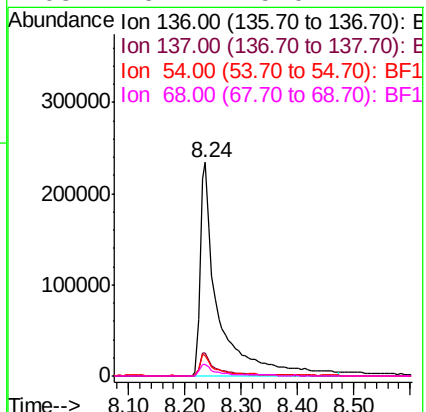
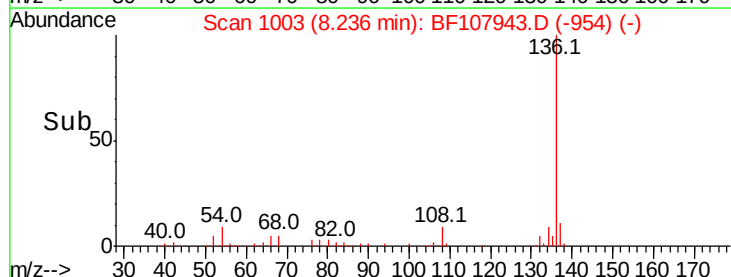
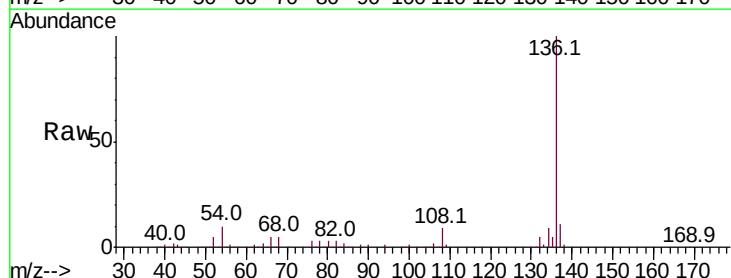
Ion Ratio Lower Upper

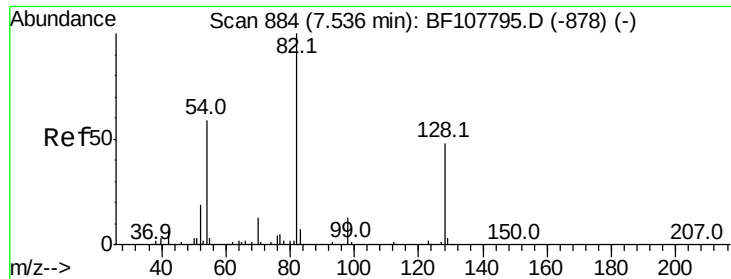
136 100

137 10.6 8.9 13.3

54 9.5 6.6 9.8

68 5.4 5.0 7.4





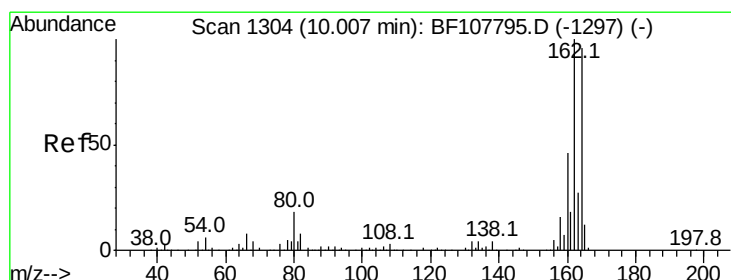
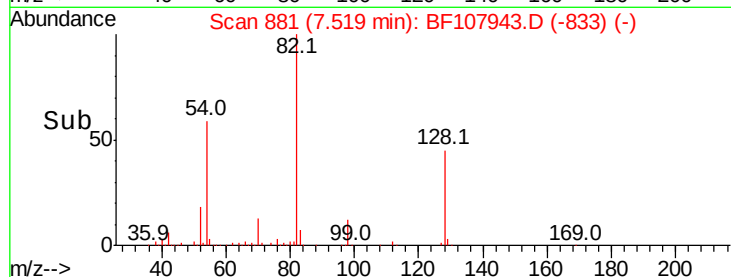
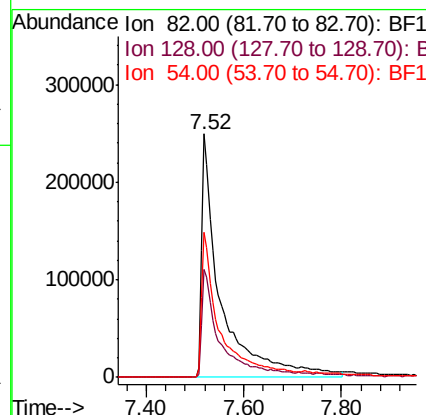
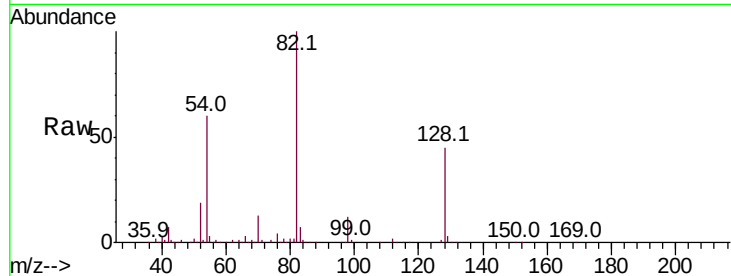
#23
Nitrobenzene-d5
Concen: 75.648 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Instrument :
BNA_F
ClientSampled :
WC-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	59.8	41.4	62.2

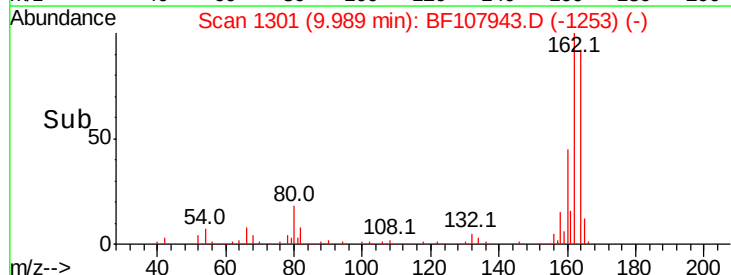
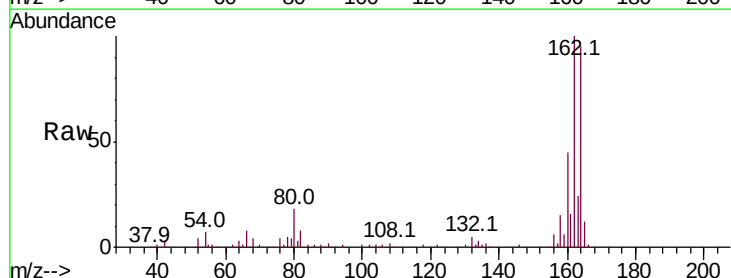
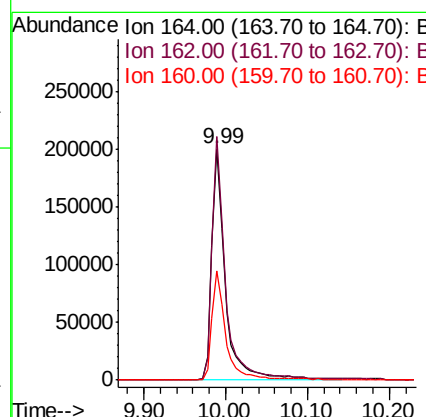
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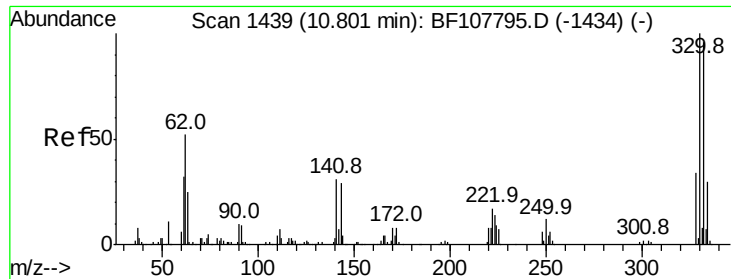
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.1	129.1
160	47.2	38.3	57.5





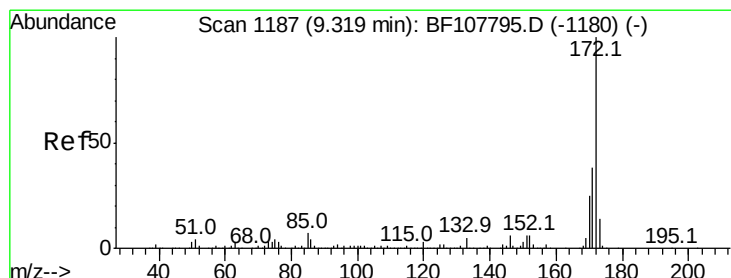
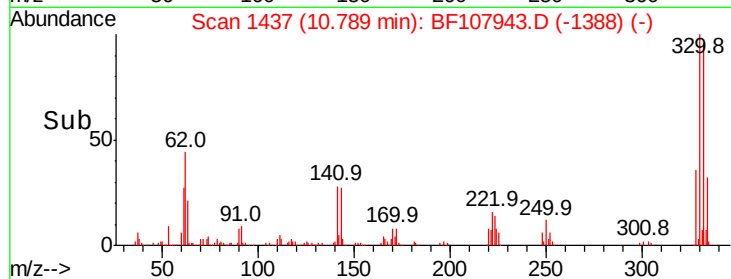
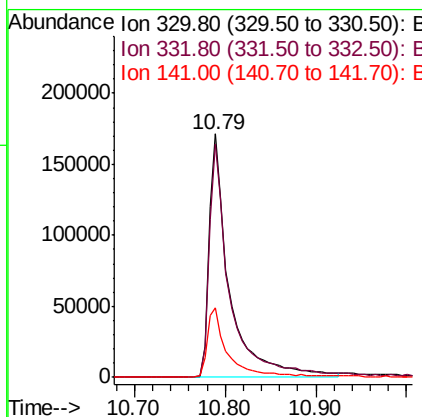
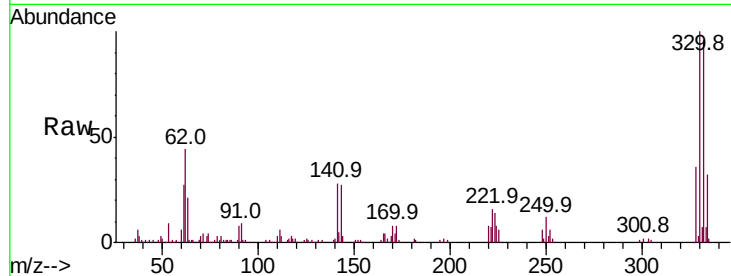
#41
 2,4,6-Tribromophenol
 Concen: 85.013 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107943.D
 Acq: 3 Aug 2018 17:45

Instrument :
 BNA_F
 ClientSampled :
 WC-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	271805		
332	98.5	77.0	115.6	
141	29.3	29.9	44.9#	

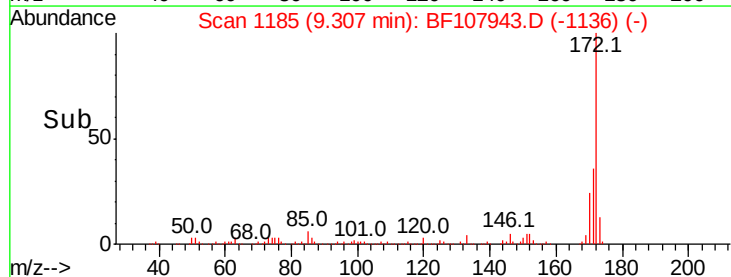
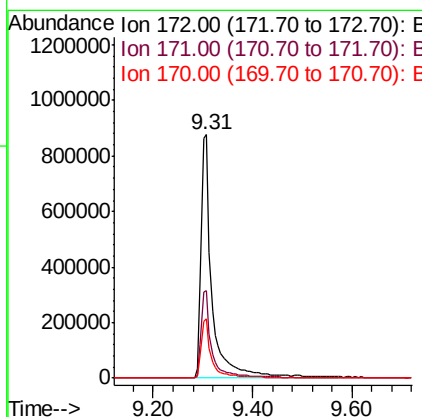
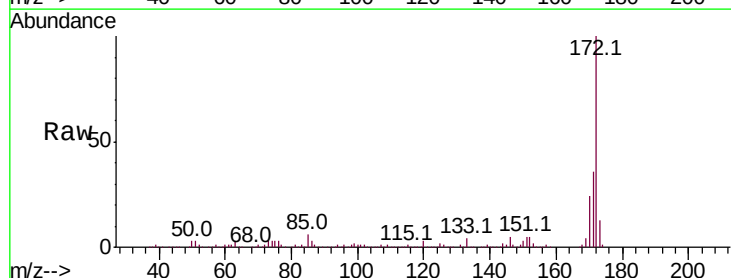
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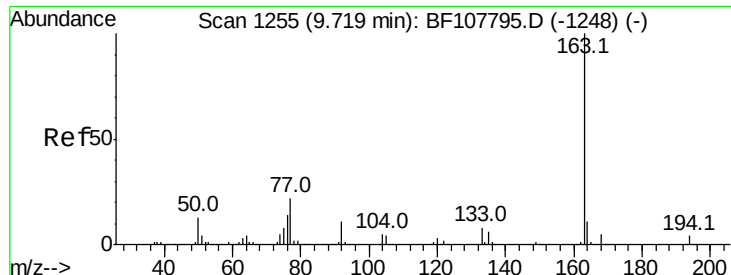
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 8/6/2018 5:05:33 PM



#44
 2-Fluorobiphenyl
 Concen: 81.040 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF107943.D
 Acq: 3 Aug 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1368405		
171	36.1	29.7	44.5	
170	24.5	19.6	29.4	





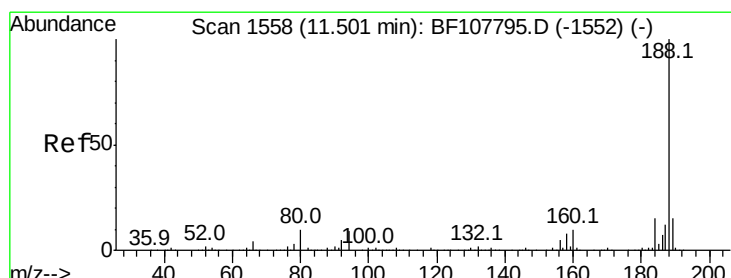
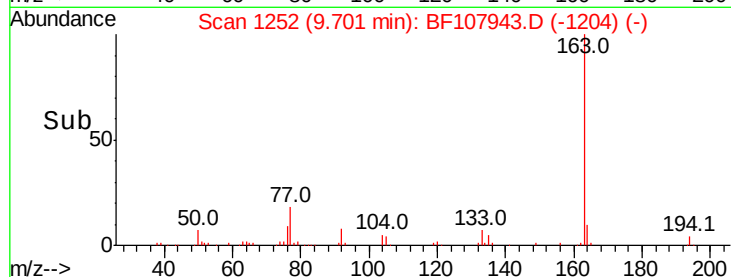
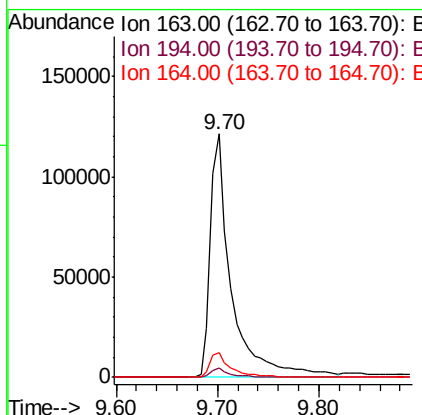
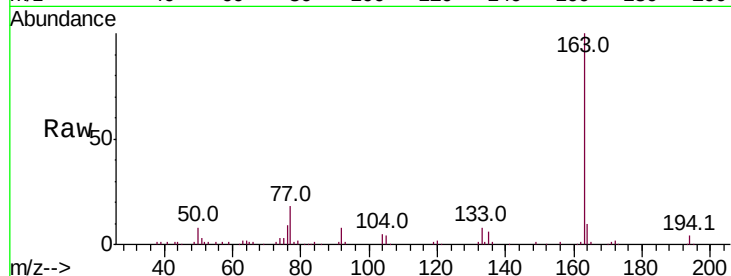
#49
Dimethylphthalate
Concen: 9.973 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Instrument :
BNA_F
ClientSampleId :
WC-3

Tot Ion	Ratio	Resp	Lower	Upper
163	100	176232		
194	3.8	2.7	4.1	
164	9.9	8.2	12.2	

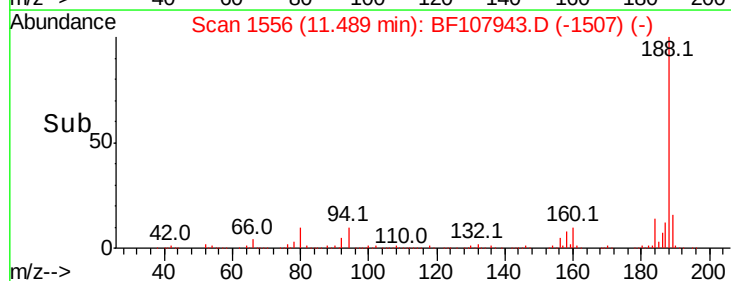
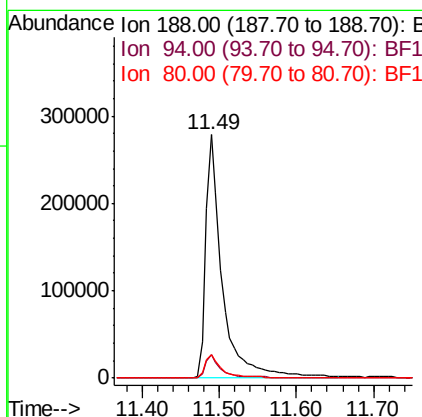
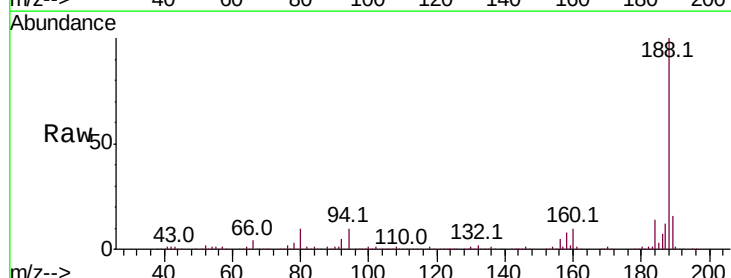
Manual Integrations
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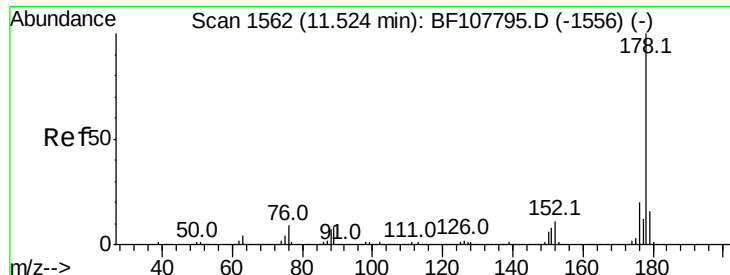
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	419431		
94	9.8	8.5	12.7	
80	9.9	9.2	13.8	





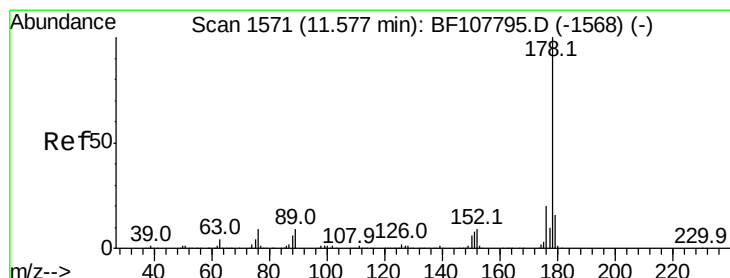
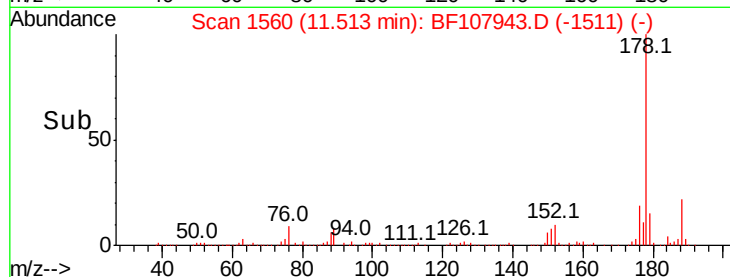
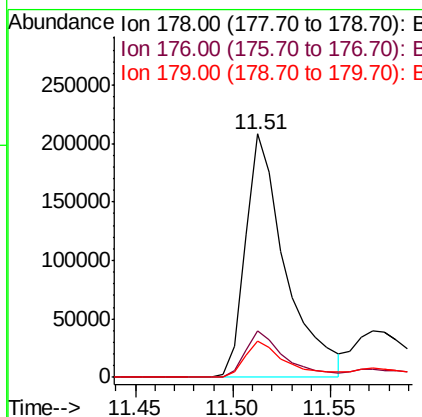
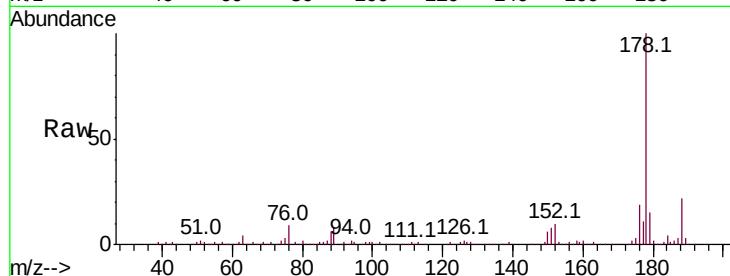
#70
Phenanthrene
Concen: 14.869 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Instrument :
BNA_F
ClientSampleId :
WC-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.7	13.0	19.6

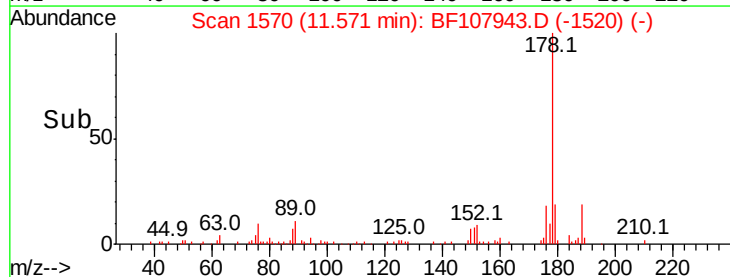
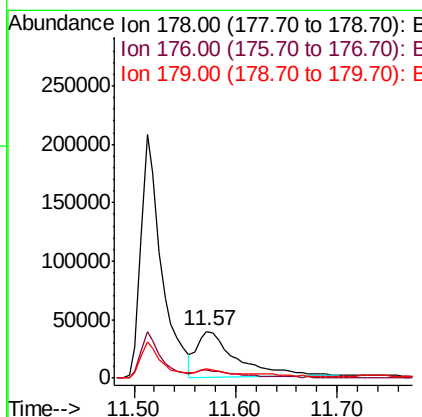
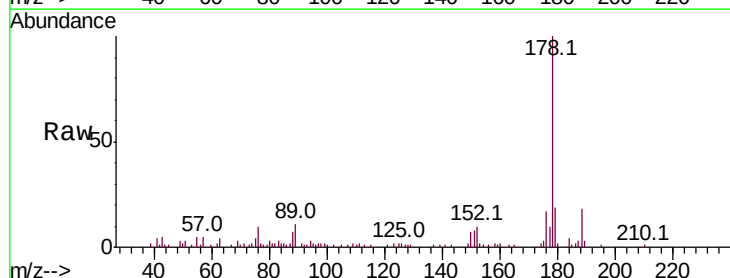
Manual Integrations
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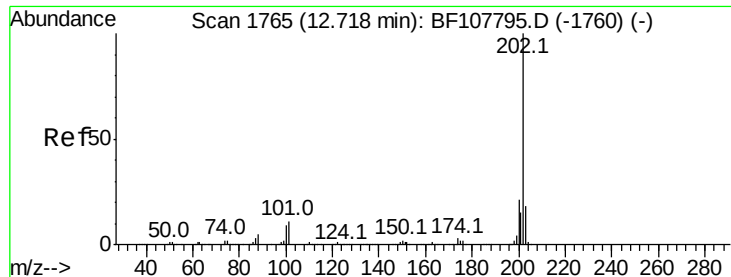
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#71
Anthracene
Concen: 4.569 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	18.9	12.6	19.0





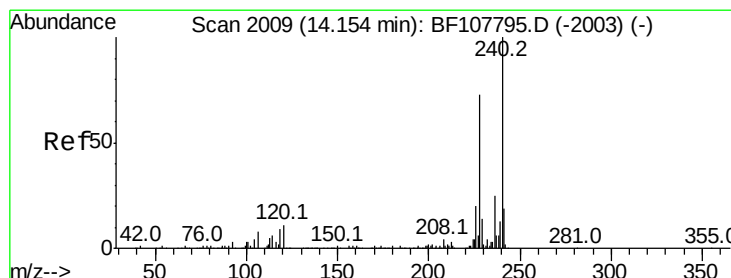
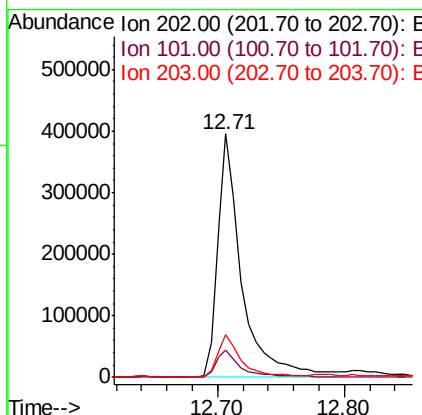
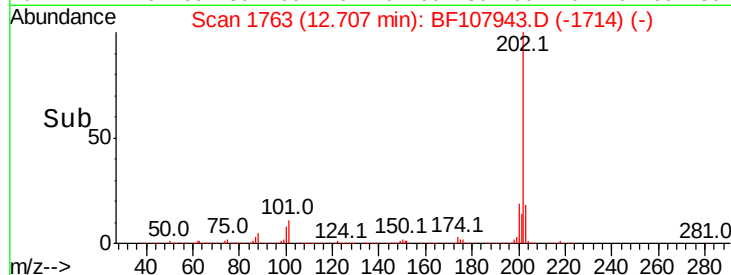
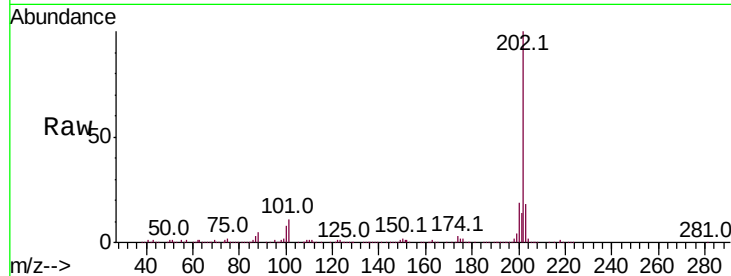
#74
 Fluoranthene
 Concen: 22.300 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107943.D
 Acq: 3 Aug 2018 17:45

Instrument :
 BNA_F
 ClientSampled :
 WC-3

Tot Ion:	202	Resp:	521769
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	34.1
203	17.6	0.0	38.1

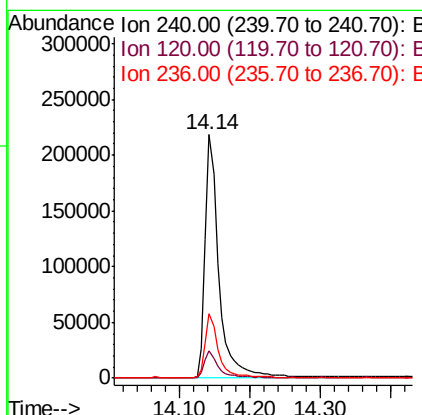
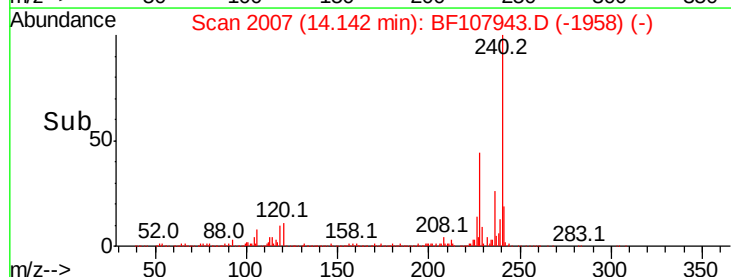
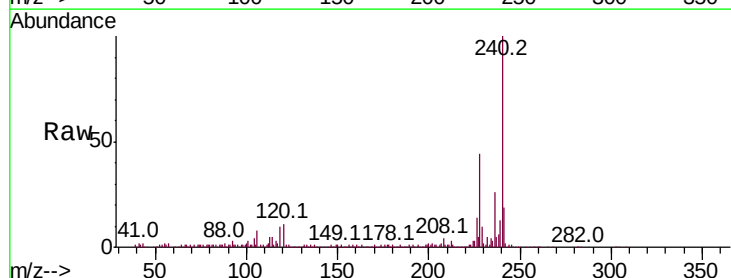
Manual Integrations
 APPROVED

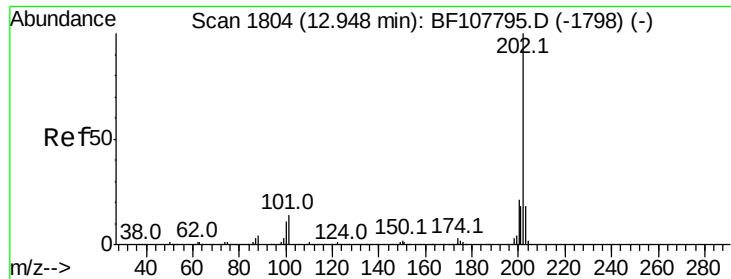
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107943.D
 Acq: 3 Aug 2018 17:45

Tgt Ion:	240	Resp:	304033
Ion Ratio	Lower	Upper	
240	100		
120	11.0	9.5	14.3
236	26.3	20.7	31.1





#77

Pvrene

Concen: 20.952 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

Instrument :

BNA_F

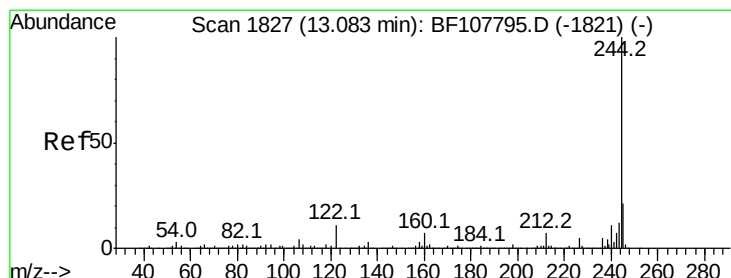
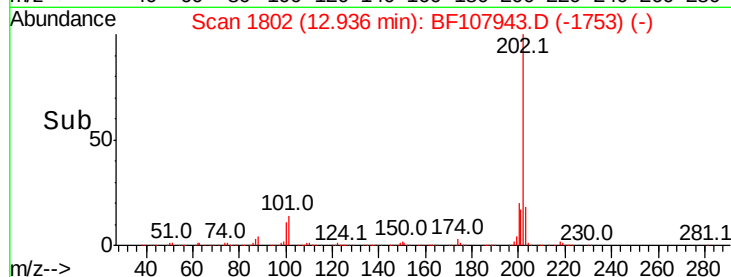
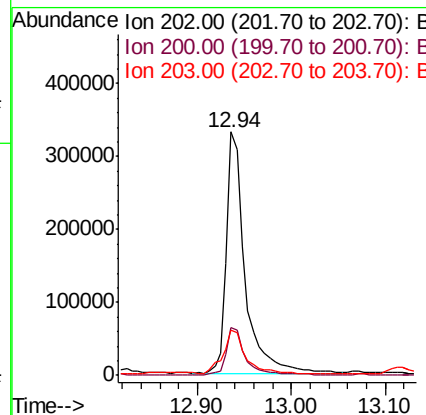
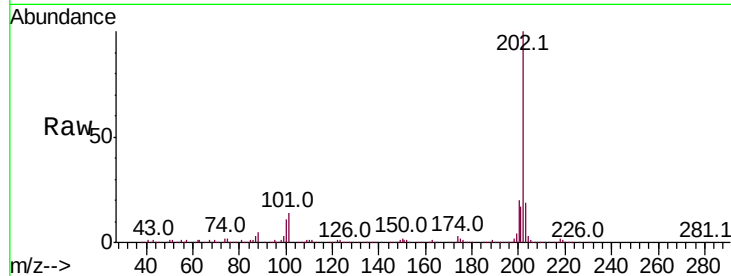
ClientSampled :

WC-3

Tot Ion:	202	Resp:	458692
Ion Ratio	Lower	Upper	
202	100		
200	19.7	17.4	26.2
203	18.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 73.840 ng

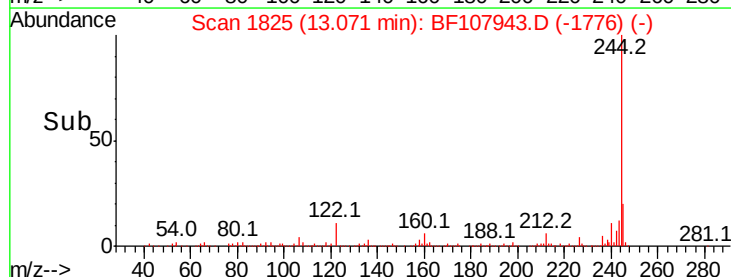
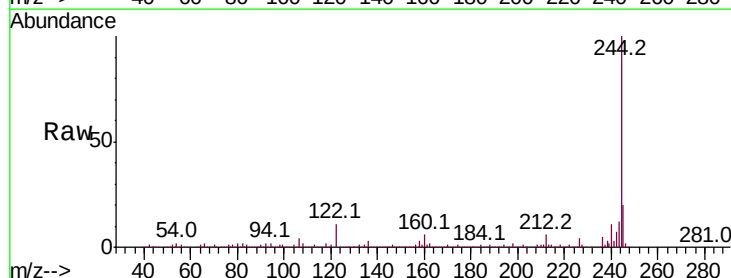
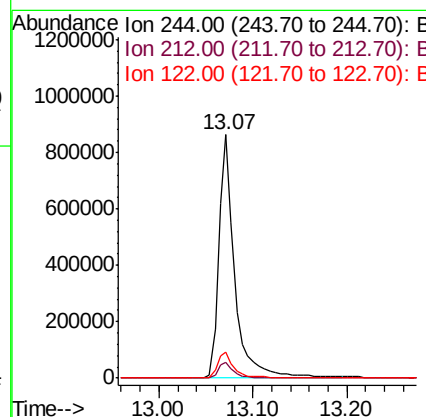
RT: 13.07 min Scan# 1825

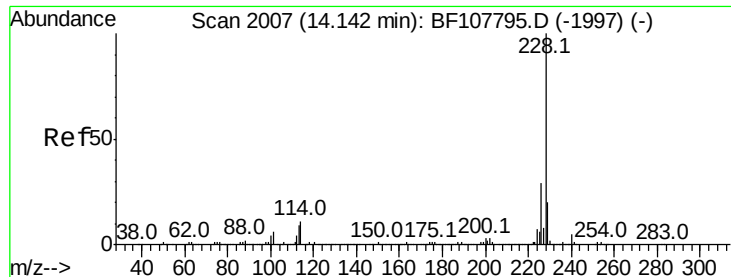
Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

Tgt Ion:	244	Resp:	1035295
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	10.7	11.0	16.4#





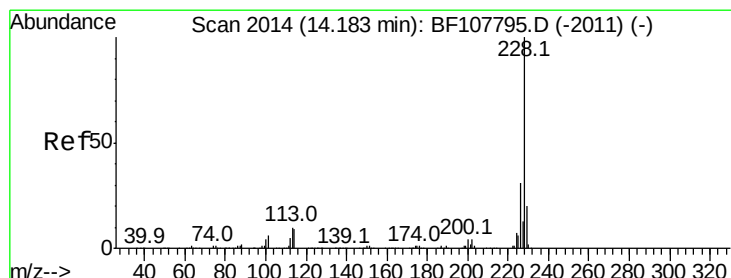
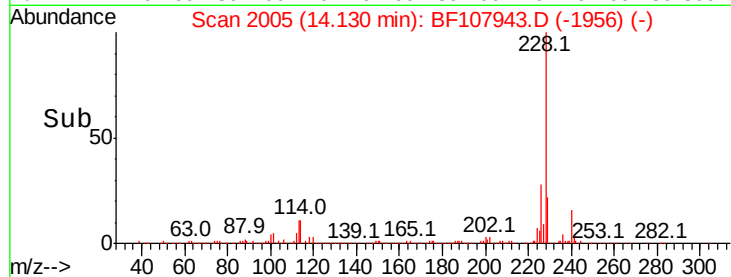
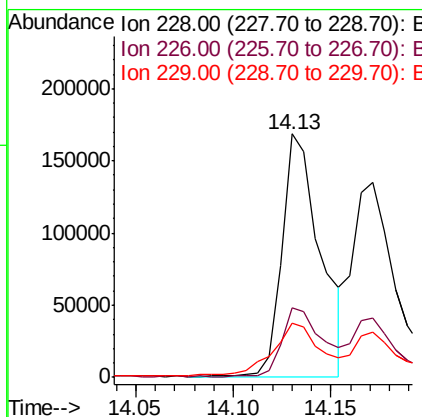
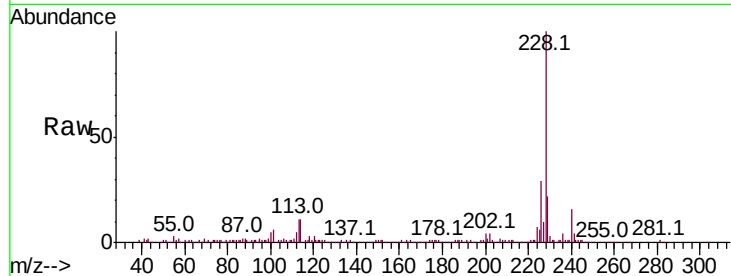
#80
Benzo(a)anthracene
Concen: 13.341 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Instrument :
BNA_F
ClientSampled :
WC-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	22.3	15.8	23.6

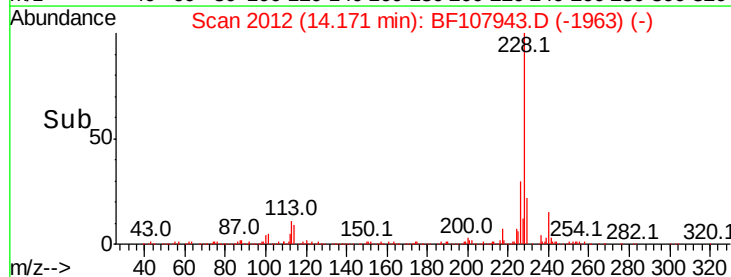
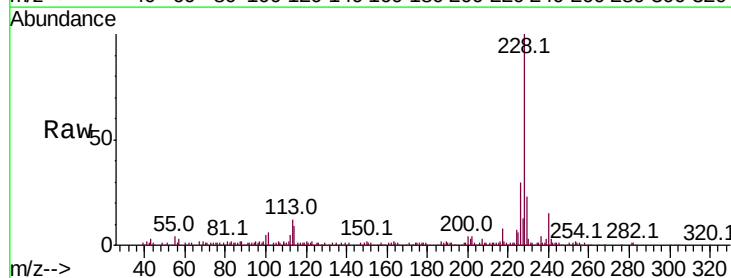
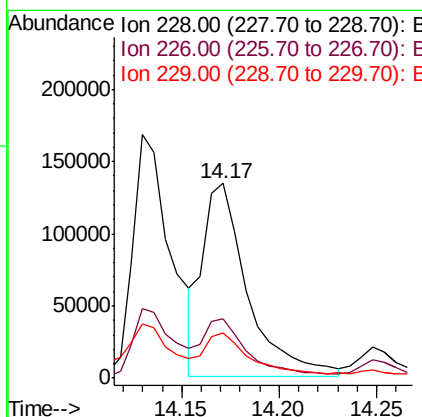
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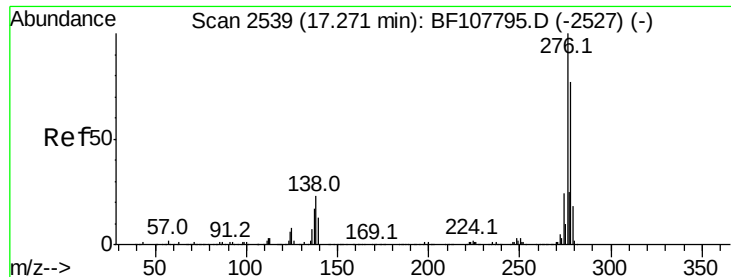
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#82
Chrysene
Concen: 11.650 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	23.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 9.191 ng

RT: 17.27 min Scan# 2538

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

Instrument :

BNA_F

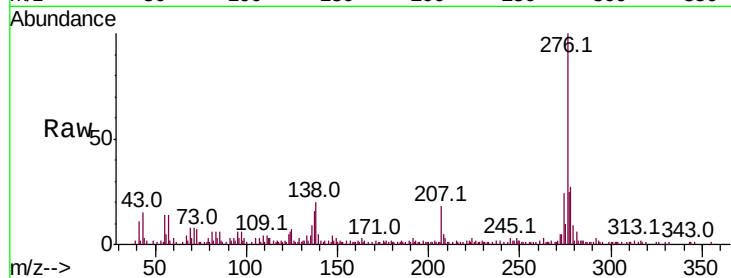
ClientSampled :

WC-3

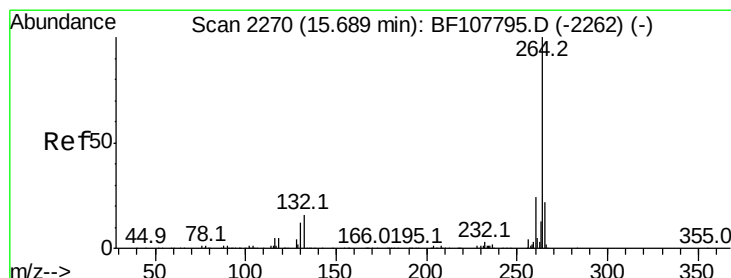
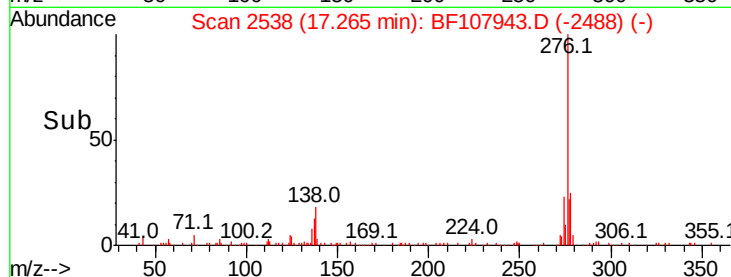
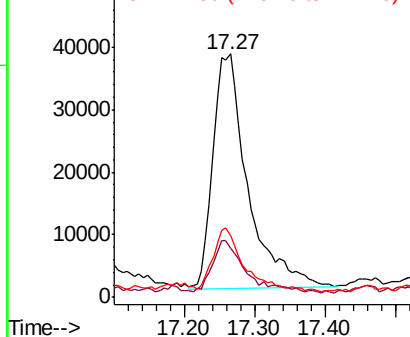
Tot Ion:	276	Resp:	129871
Ion Ratio	Lower	Upper	
276	100		
138	19.9	25.0	37.6#
277	21.4	20.1	30.1

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



#86

Perylene-d12

Concen: 20.000 ng

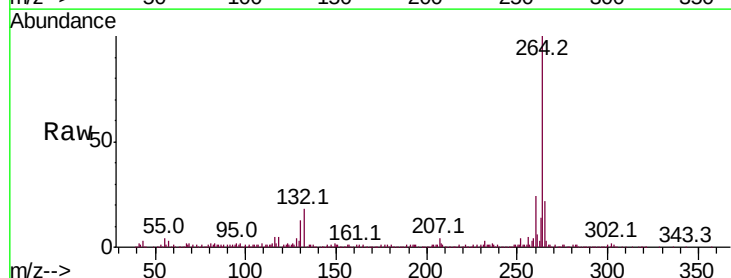
RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

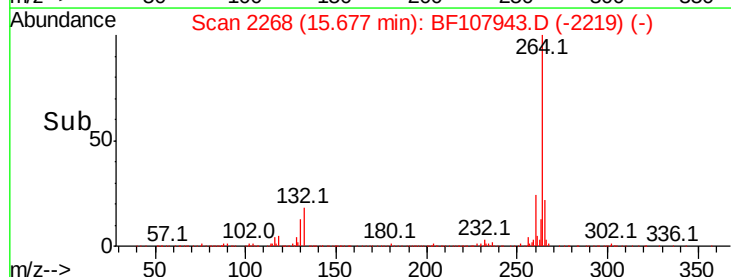
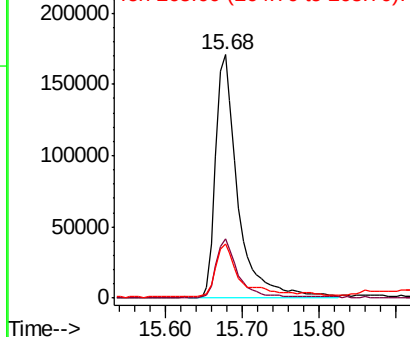
Lab File: BF107943.D

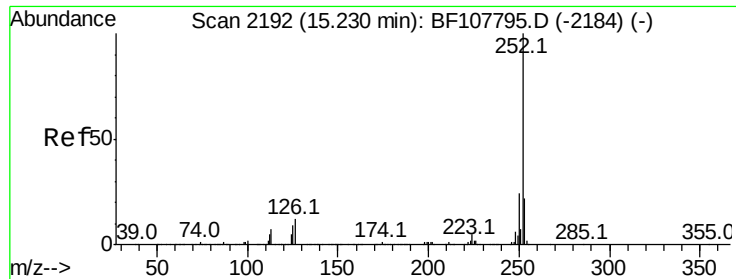
Acq: 3 Aug 2018 17:45

Tgt Ion:	264	Resp:	338661
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	22.0	17.5	26.3



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





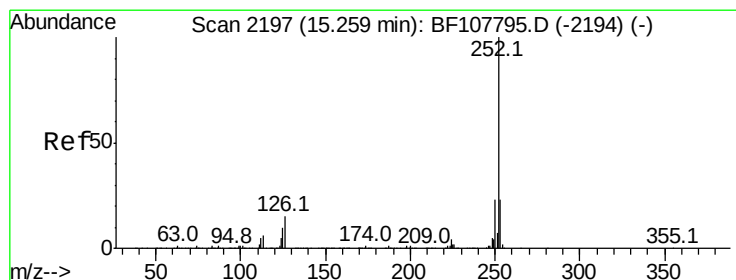
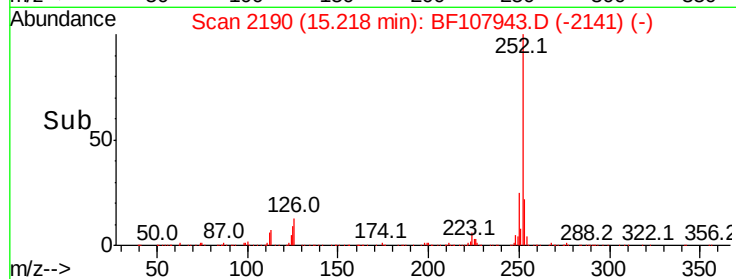
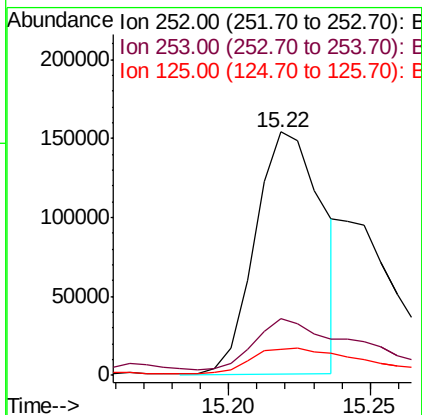
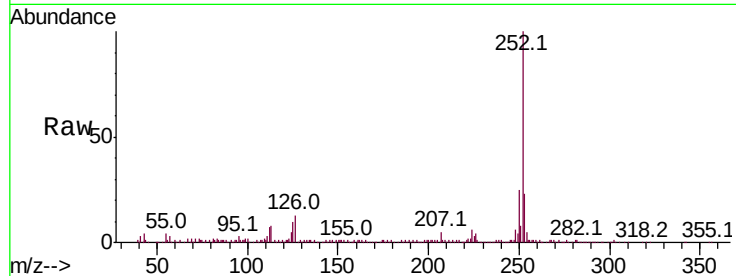
#87
Benzo(b)fluoranthene
Concen: 15.217 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Instrument :
BNA_F
ClientSampled :
WC-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.4	9.0	13.6

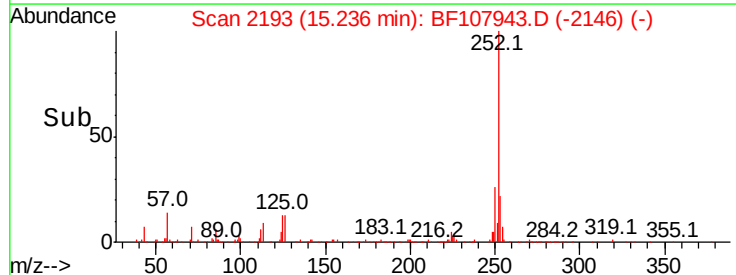
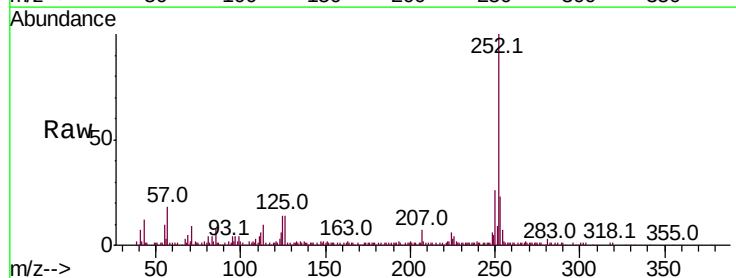
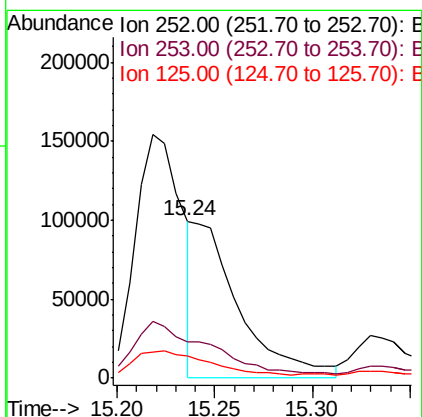
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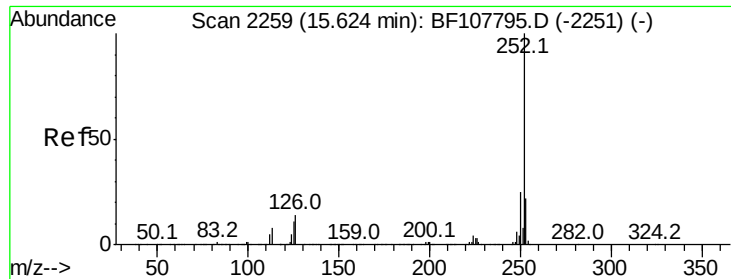
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#88
Benzo(k)fluoranthene
Concen: 7.819 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.9	10.2	15.2





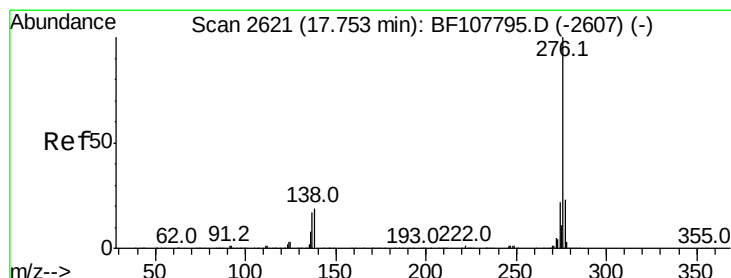
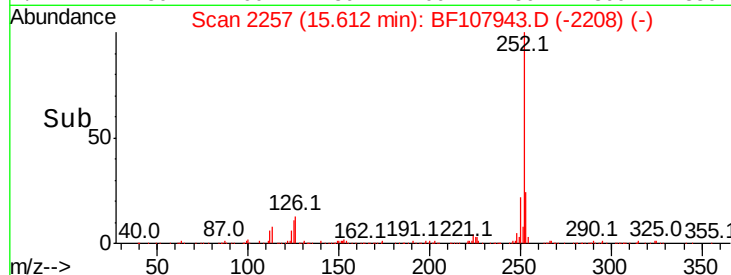
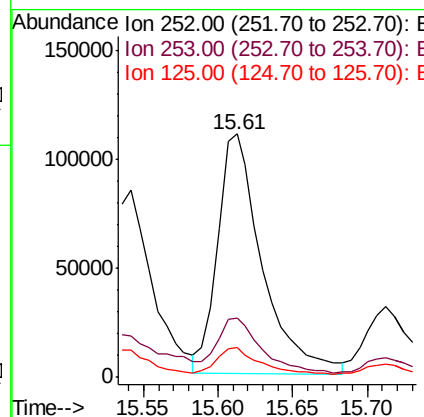
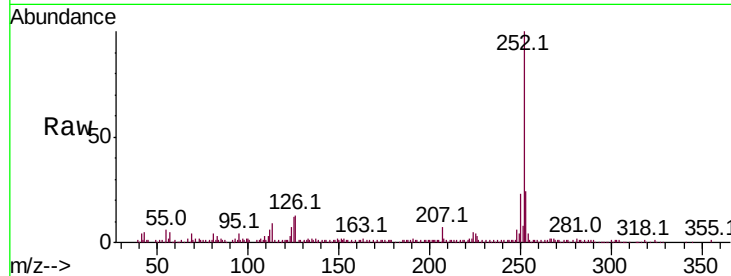
#89
Benzo(a)pyrene
Concen: 13.298 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Instrument :
BNA_F
ClientSampled :
WC-3

Tot Ion:	252	Resp:	229298
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.1	25.7
125	12.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 8.325 ng
RT: 17.74 min Scan# 2618
Delta R.T. -0.02 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion:	276	Resp:	121157
Ion Ratio	Lower	Upper	
276	100		
277	26.2	17.9	26.9
138	25.2	21.8	32.8

