

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101191.D
 Acq On : 7 Dec 2017 2:45
 Operator : SJ/JU
 Sample : I6656-04 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BART-3-E(0-1)

Manual Integrations
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 12/7/2017 11:36:18 AM

Quant Time: Dec 07 05:33:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	44883	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	162563	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	67714	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	107974	20.00	ng	0.00
75) Chrysene-d12	14.02	240	106039	20.00	ng	0.00
86) Perylene-d12	15.50	264	85757	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	119116	43.85	ng	0.00
7) Phenol-d6	6.47	99	144489	43.82	ng	0.00
23) Nitrobenzene-d5	7.41	82	87832	32.23	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	24671	30.33	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	192168	38.83	ng	-0.01
78) Terphenyl-d14	12.96	244	151151	31.18	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.60	163	14807	2.711	ng	Qvalue # 98
70) Phenanthrene	11.40	178	24304	4.087	ng	99
74) Fluoranthene	12.59	202	46293	7.024	ng	94
77) Pyrene	12.82	202	36950	5.050	ng	96
80) Benzo(a)anthracene	14.04	228	22827	3.409	ng	94
82) Chrysene	14.04	228	22827	3.671	ng	98
87) Benzo(b)fluoranthene	15.06	252	24862m	4.840	ng	
89) Benzo(a)pyrene	15.44	252	13277	2.843	ng	# 91
91) Benzo(g,h,i)perylene	17.44	276	8703	2.243	ng	# 89

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

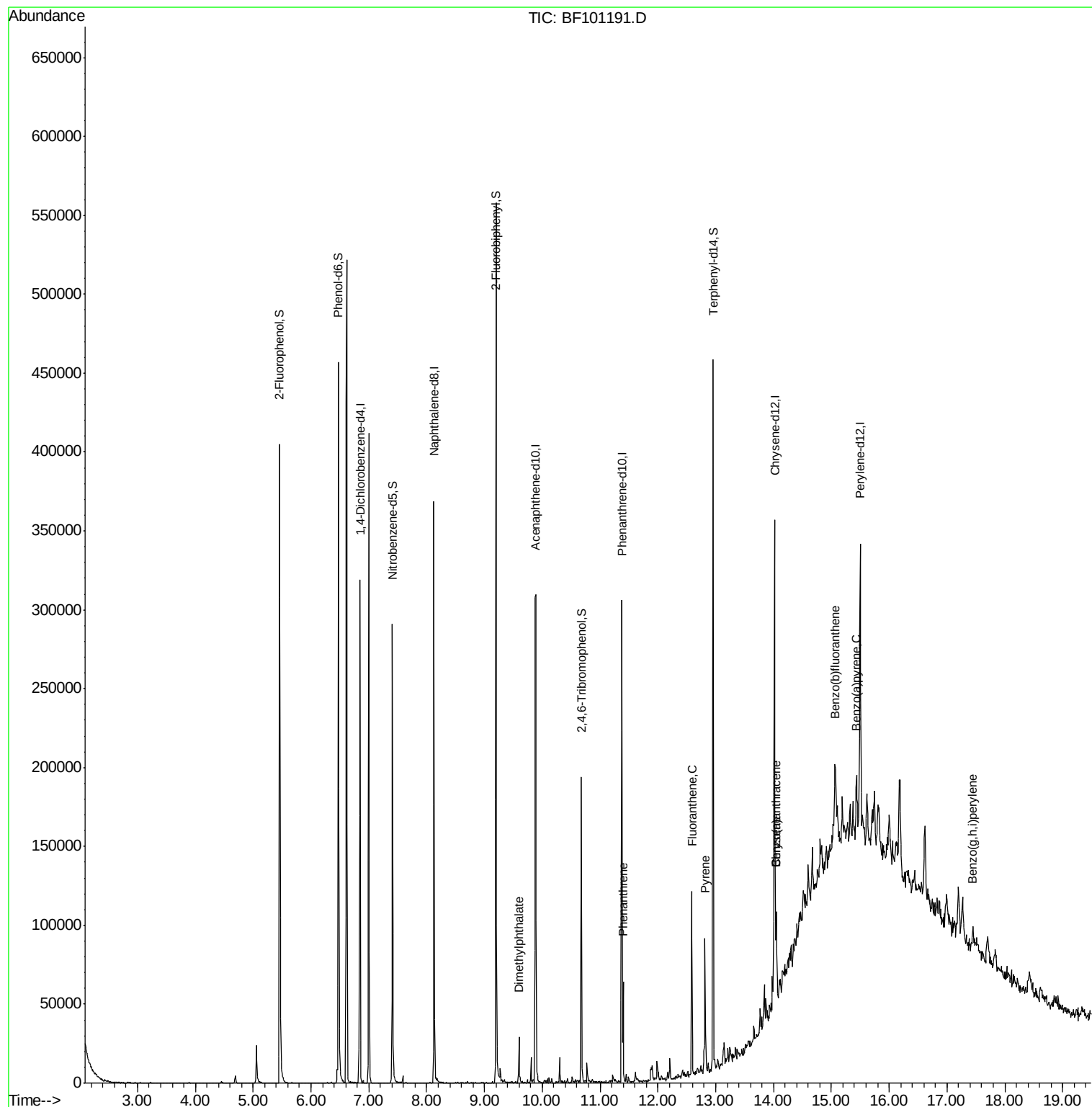
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101191.D
Acq On : 7 Dec 2017 2:45
Operator : SJ/JU
Sample : I6656-04 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

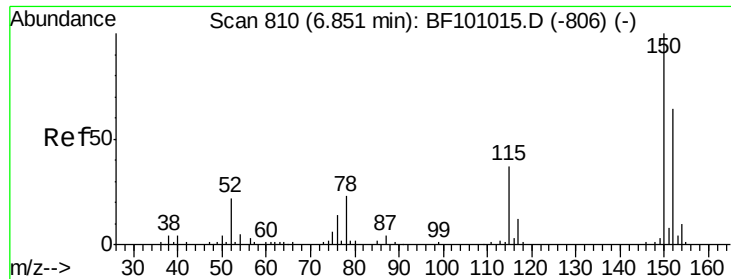
Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Manual Integrations
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12/7/2017 11:36:18 AM

Quant Time: Dec 07 05:33:04 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
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#1

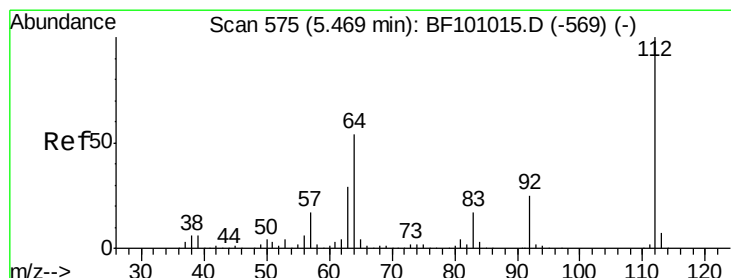
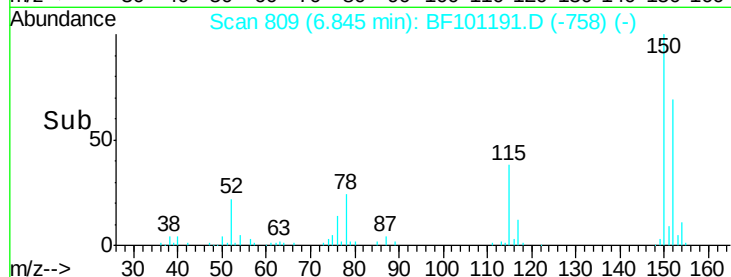
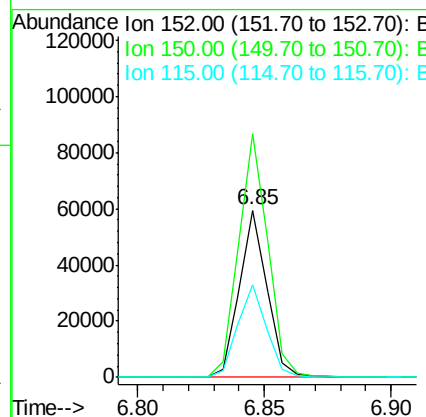
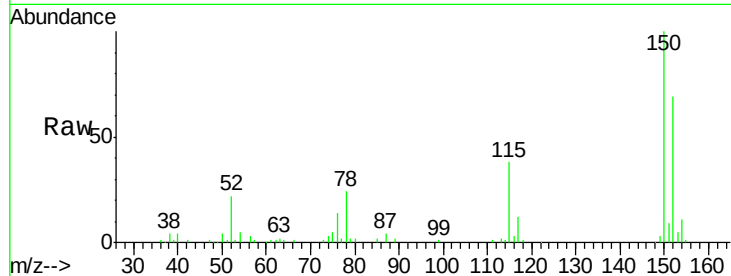
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.9	124.6	186.8
115	55.6	50.1	75.1

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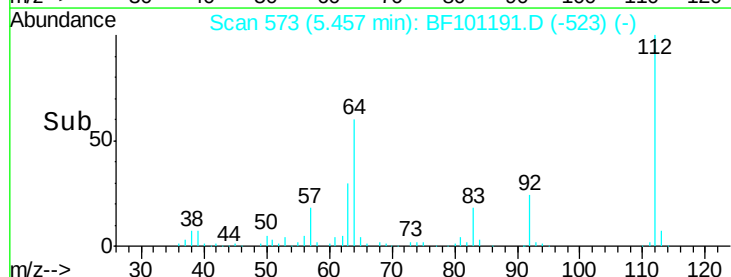
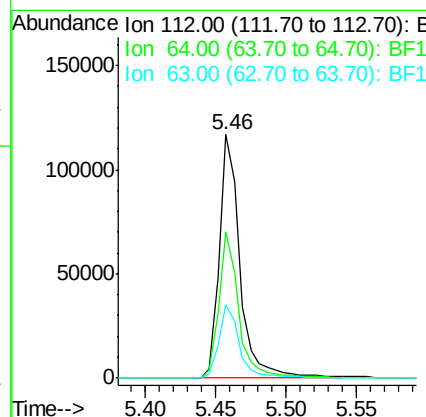
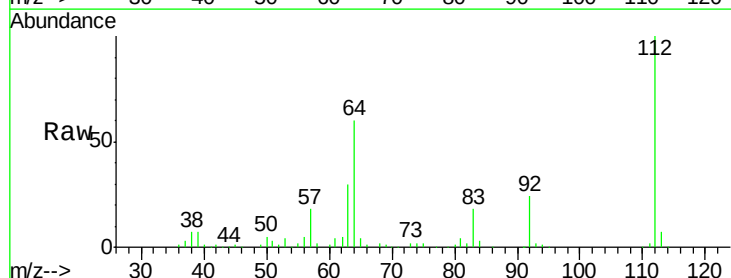
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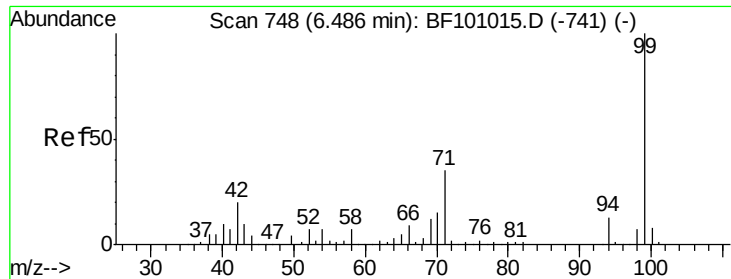


#5

2-Fluorophenol
Concen: 43.855 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.9	71.9
63	30.2	23.7	35.5





#7

Phenol-d6

Concen: 43.815 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

Instrument :

BNA_F

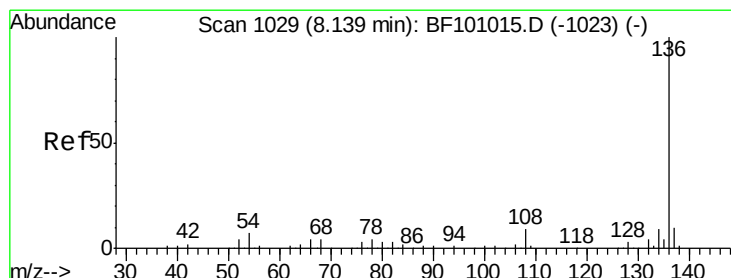
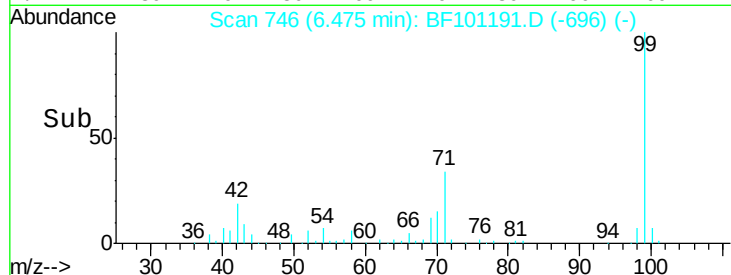
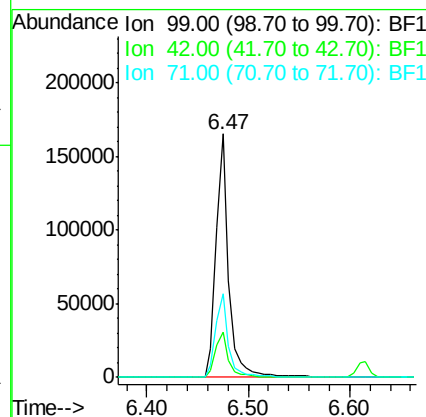
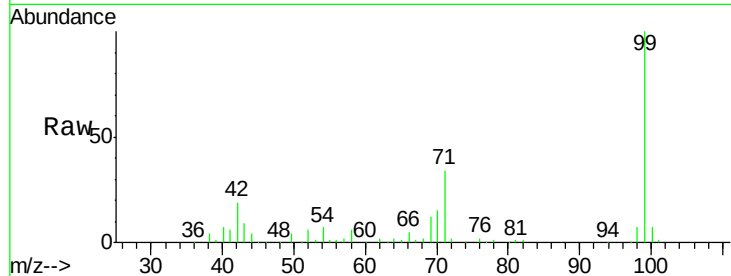
ClientSampleId :

BART-3-E(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		144489		
42	18.5	14.5	21.7		
71	34.2	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

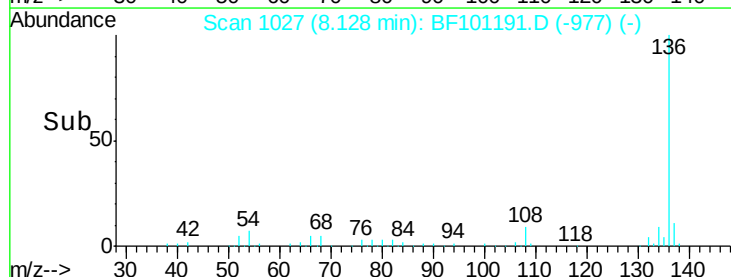
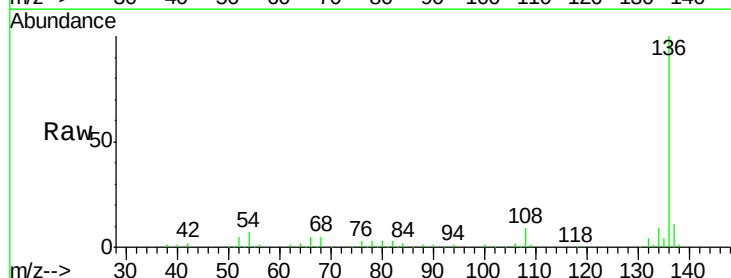
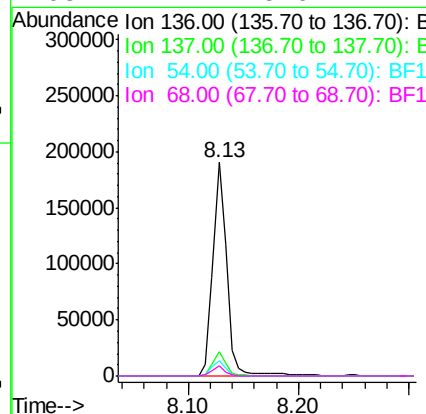
RT: 8.13 min Scan# 1027

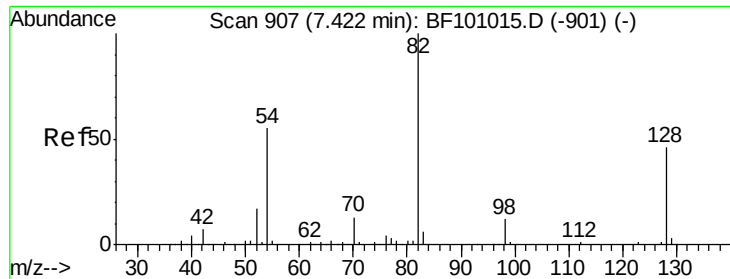
Delta R.T. -0.01 min

Lab File: BF101191.D

Acq: 7 Dec 2017 2:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		162563		
137	11.1	8.9	13.3		
54	7.5	6.6	9.8		
68	4.7	5.0	7.4#		





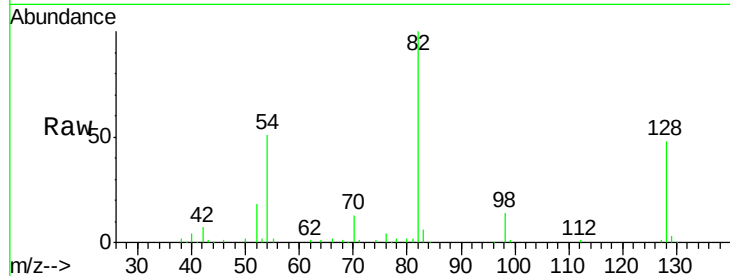
#23
 Nitrobenzene-d5
 Concen: 32.230 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :
 BART-3-E(0-1)

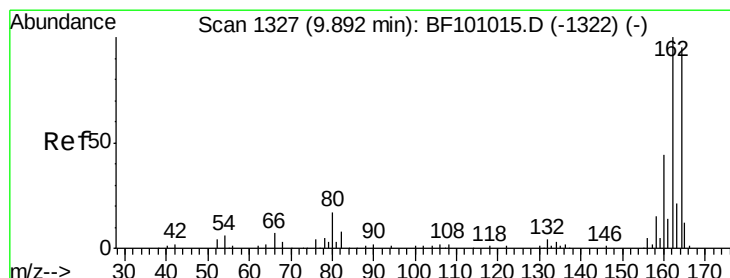
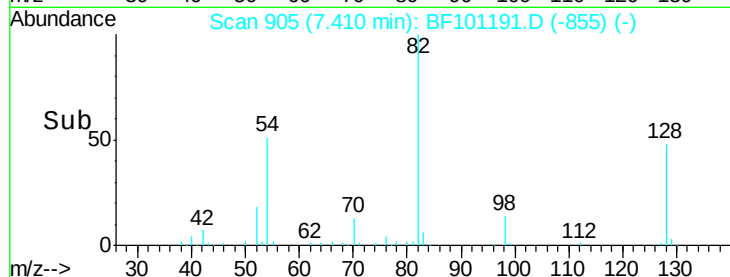
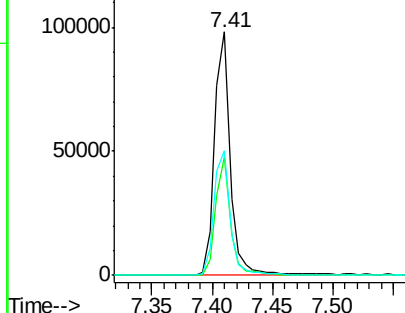
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.1	54.1
54	51.1	41.4	62.2

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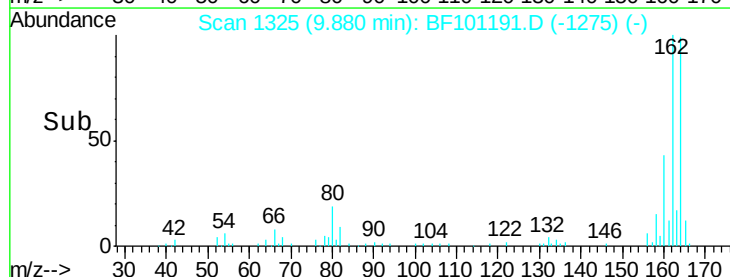
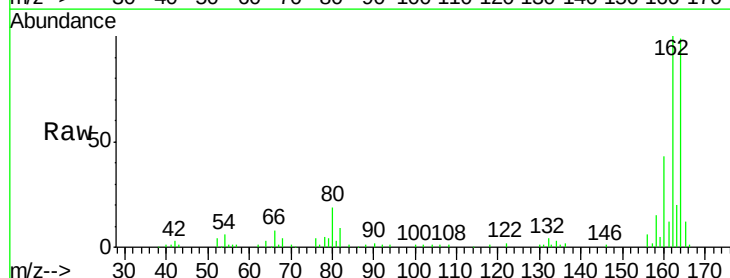
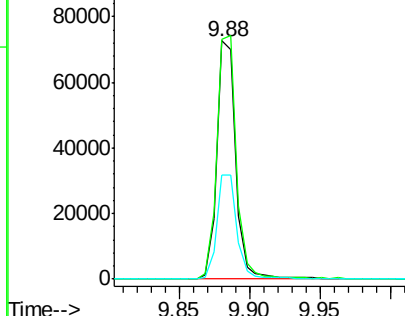
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

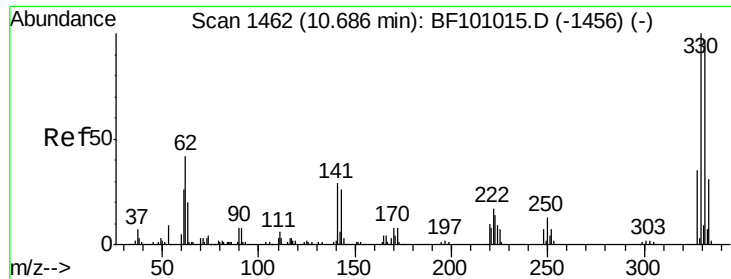


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	86.1	129.1
160	43.6	38.3	57.5

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





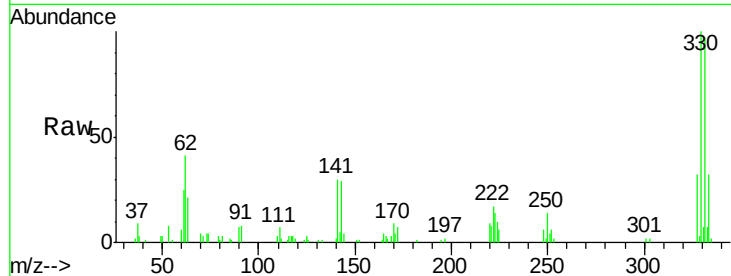
#41
 2,4,6-Tribromophenol
 Concen: 30.329 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :
 BART-3-E(0-1)

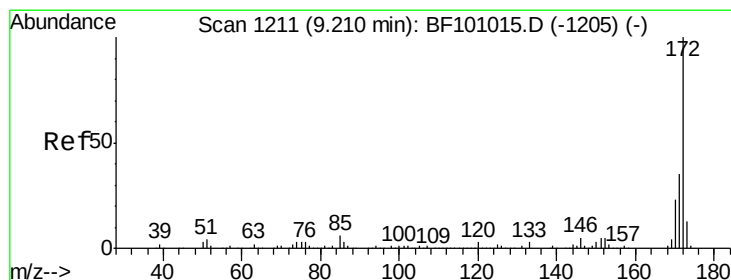
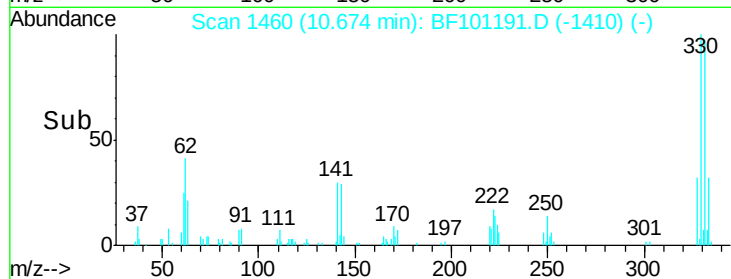
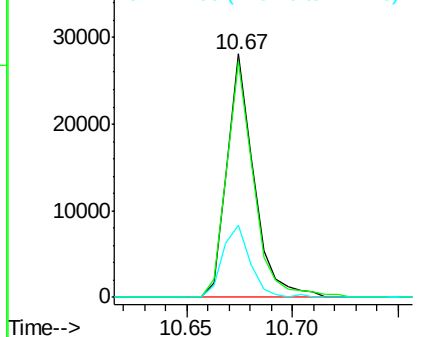
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.0	115.6
141	30.6	29.9	44.9

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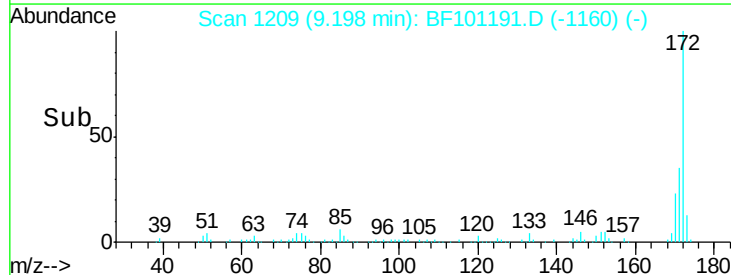
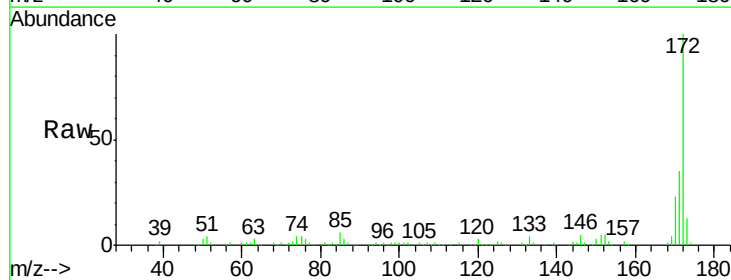
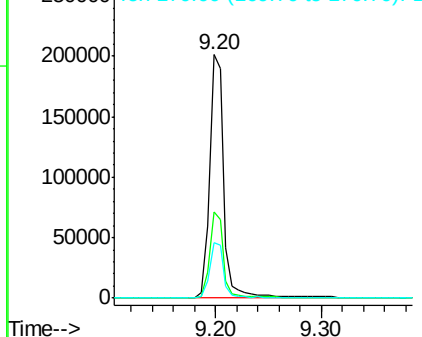
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

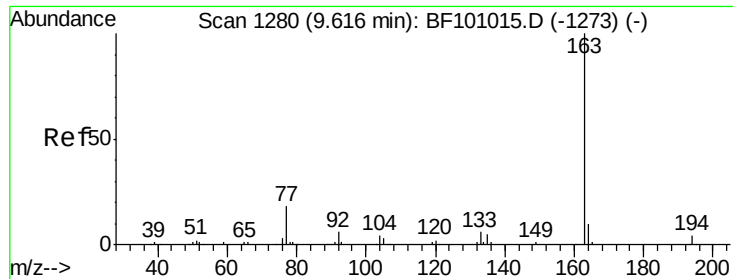


#44
 2-Fluorobiphenyl
 Concen: 38.829 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	22.8	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





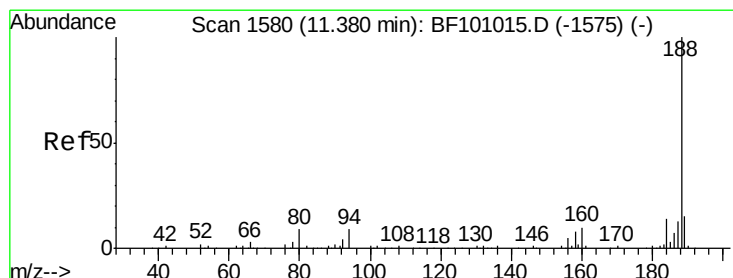
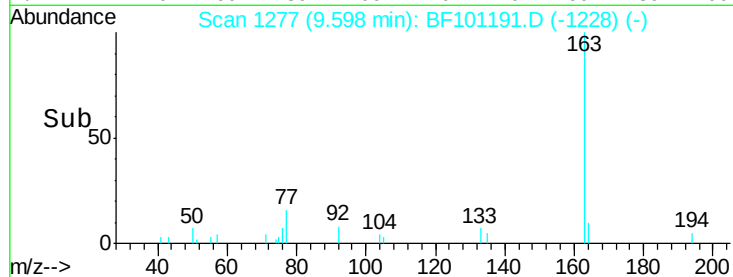
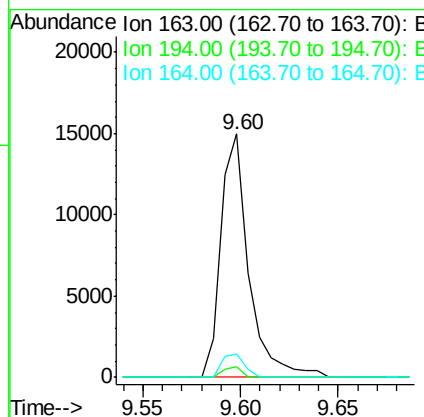
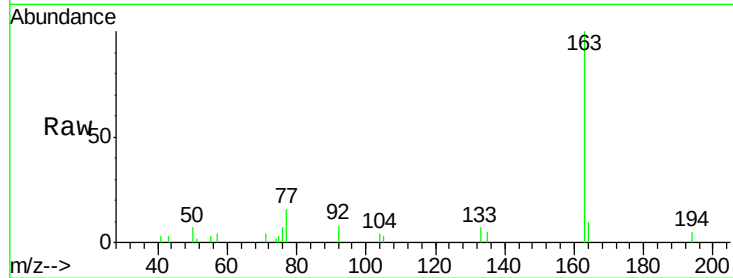
#49
Dimethylphthalate
Concen: 2.711 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		14807		
194	4.6	2.7	4.1#		
164	9.8	8.2	12.2		

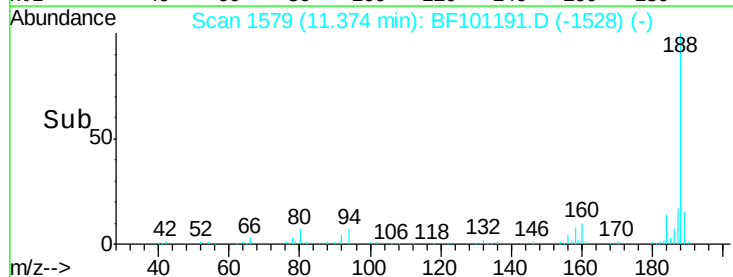
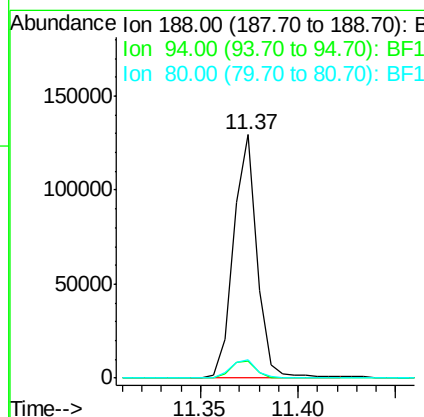
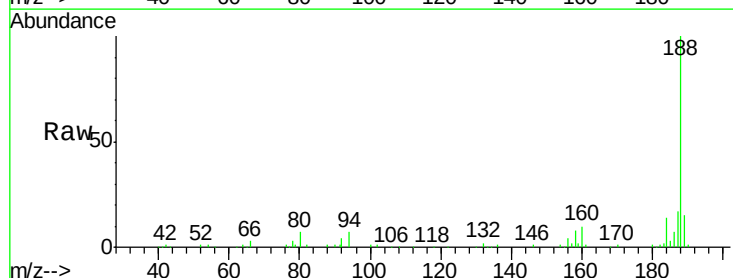
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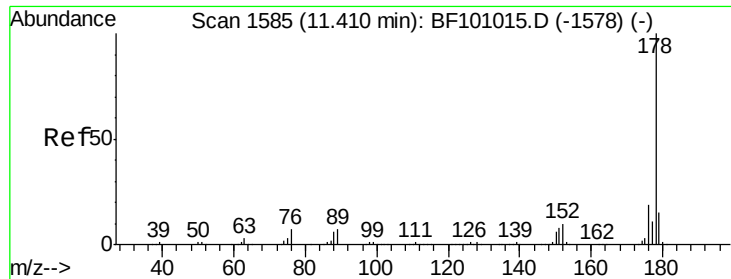
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		107974		
94	7.1	8.5	12.7#		
80	7.4	9.2	13.8#		





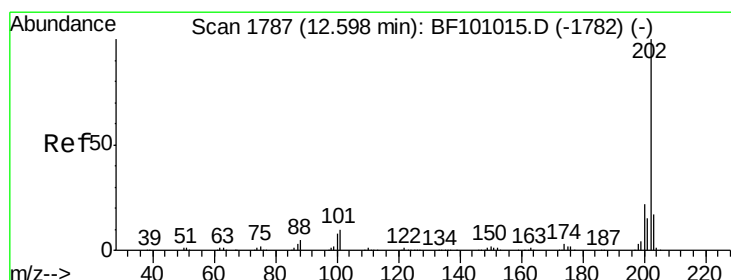
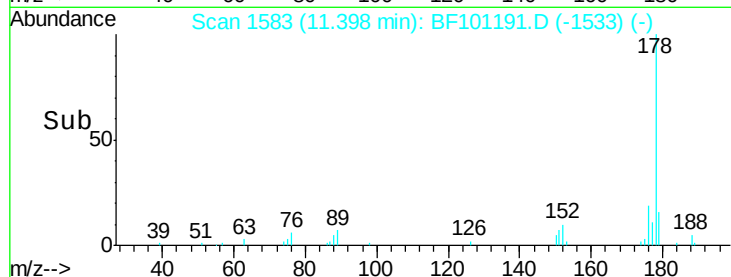
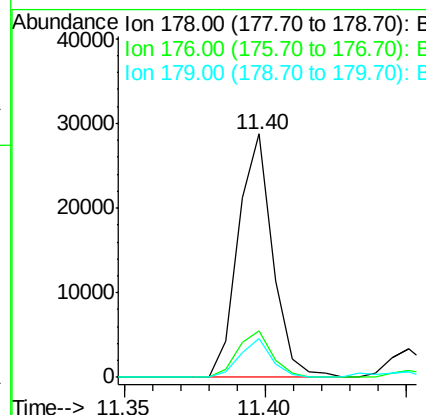
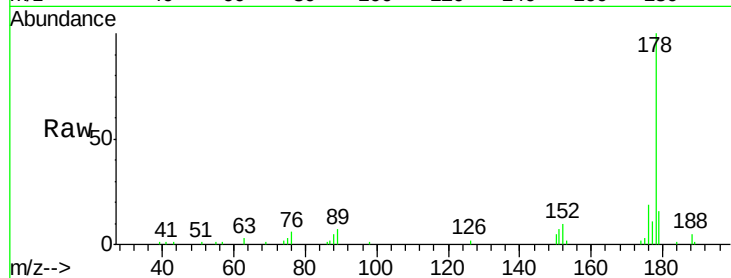
#70
Phenanthrene
Concen: 4.087 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.9	13.0	19.6

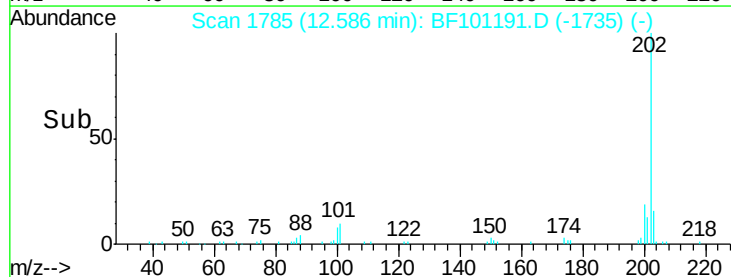
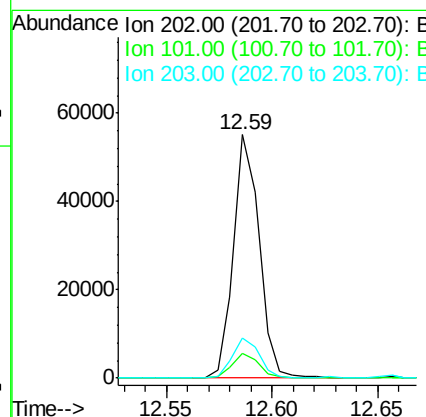
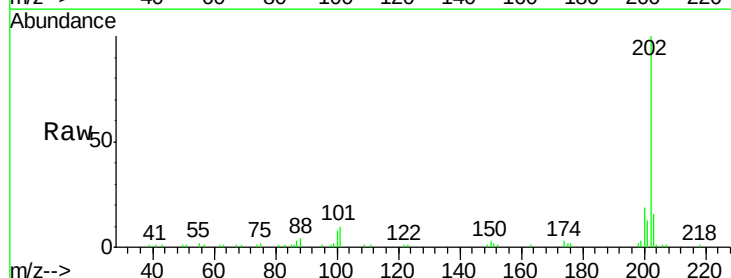
Manual Integrations
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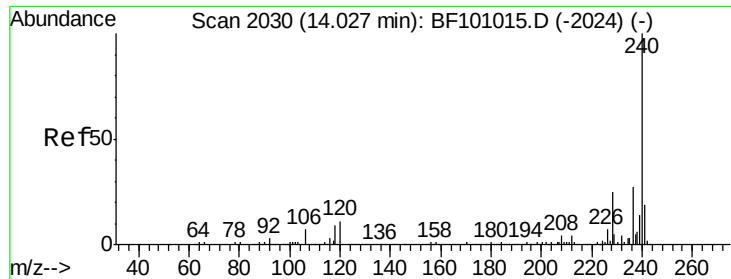
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#74
Fluoranthene
Concen: 7.024 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	34.1
203	16.5	0.0	38.1





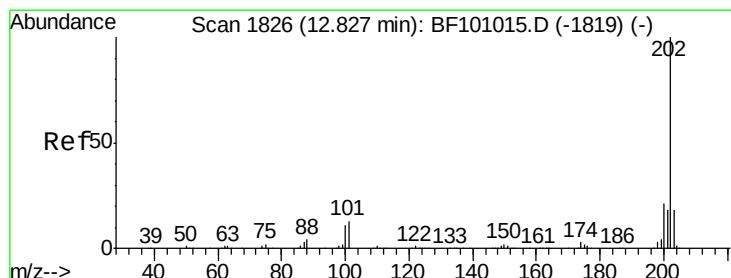
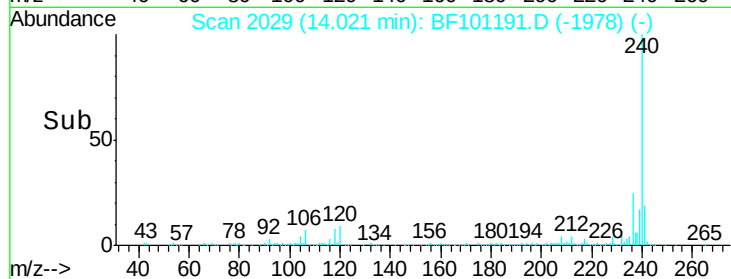
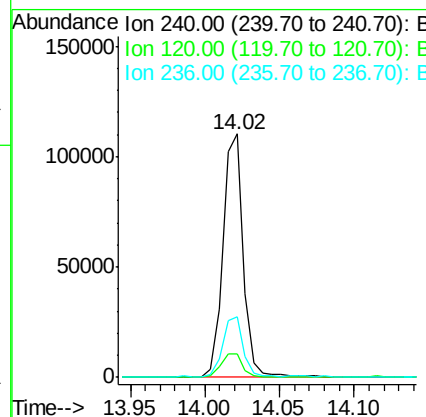
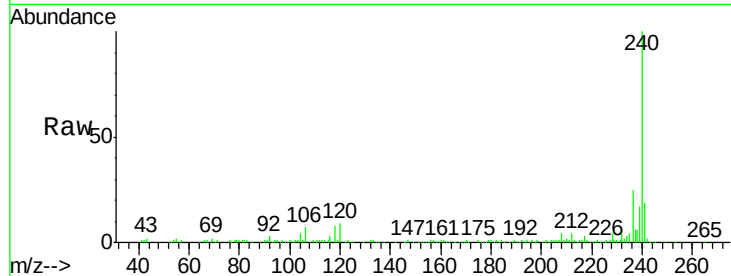
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.4	9.5	14.3#
236	24.9	20.7	31.1

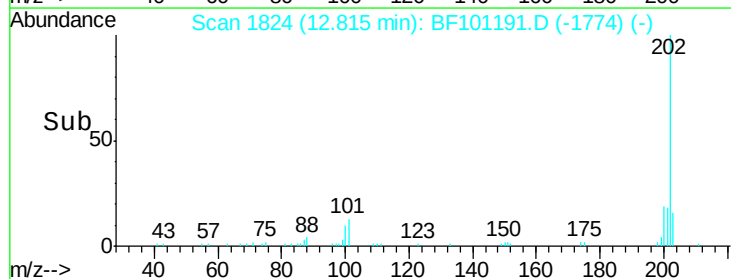
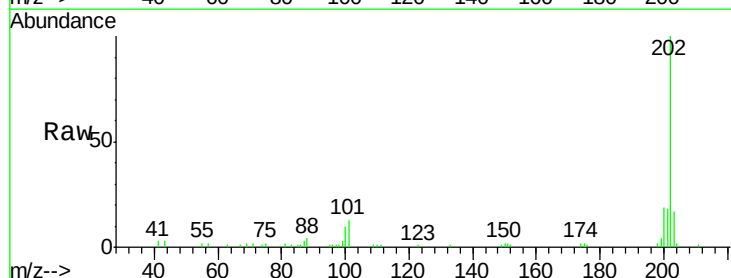
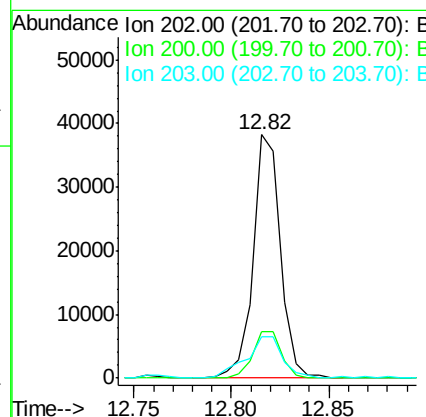
Manual Integrations
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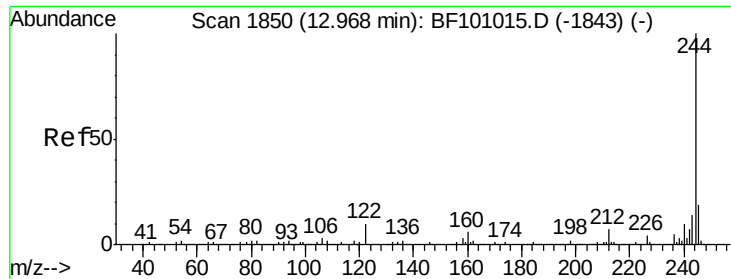
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#77
Pyrene
Concen: 5.050 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.8	17.4	26.2
203	16.9	14.3	21.5





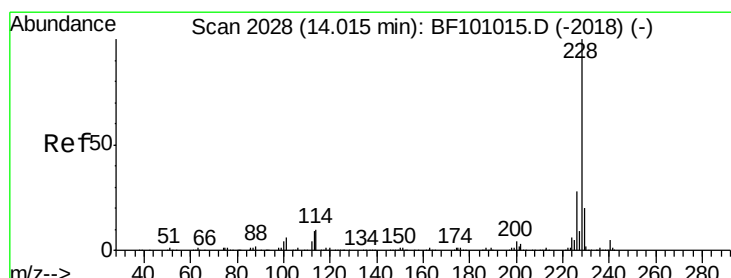
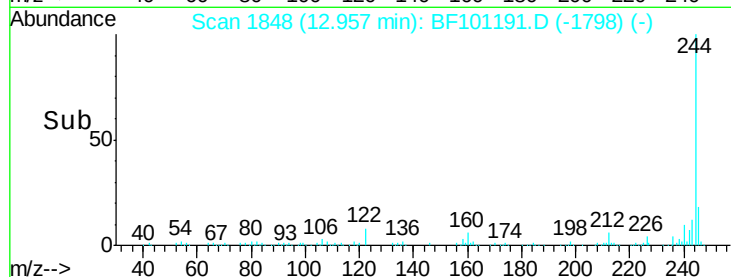
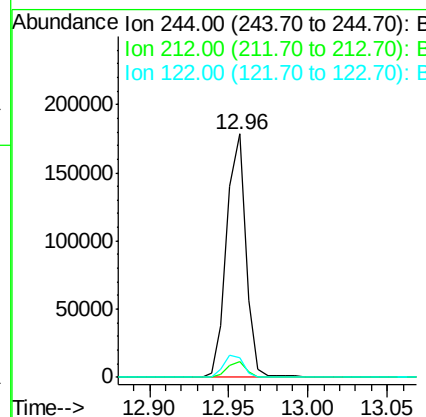
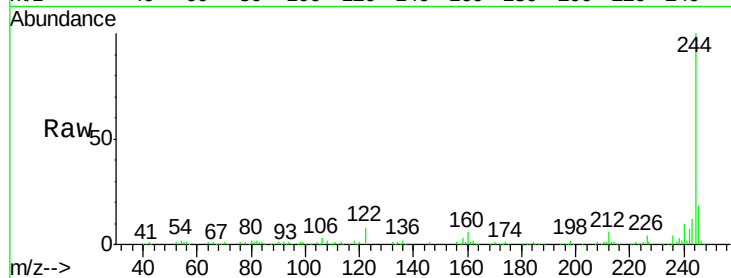
#78
 Terphenyl-d14
 Concen: 31.178 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :
 BART-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.3	11.0	16.4

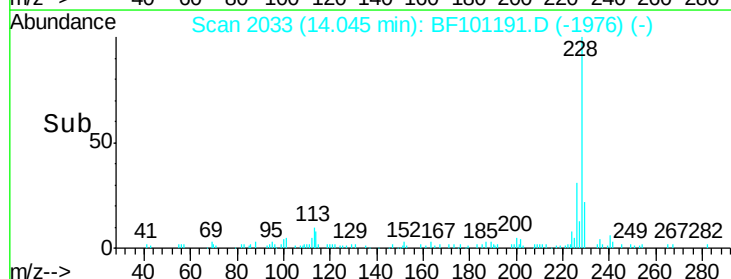
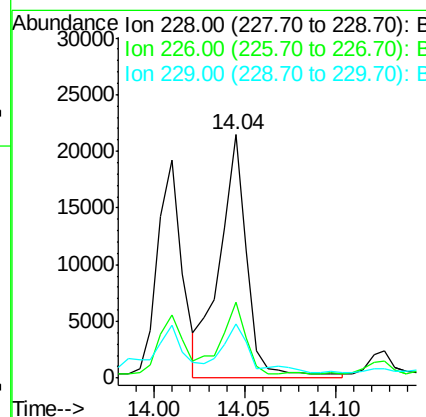
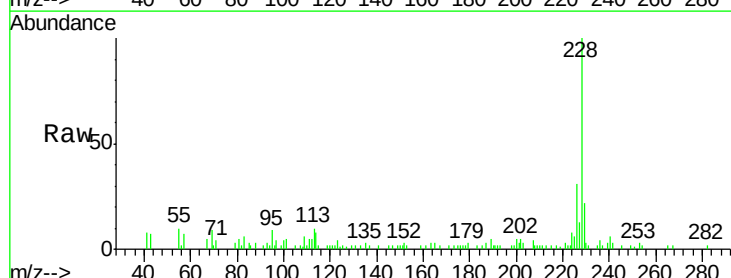
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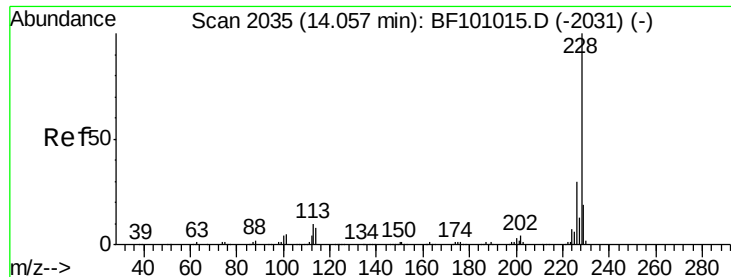
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#80
 Benzo(a)anthracene
 Concen: 3.409 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.04 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	22.4	15.8	23.6





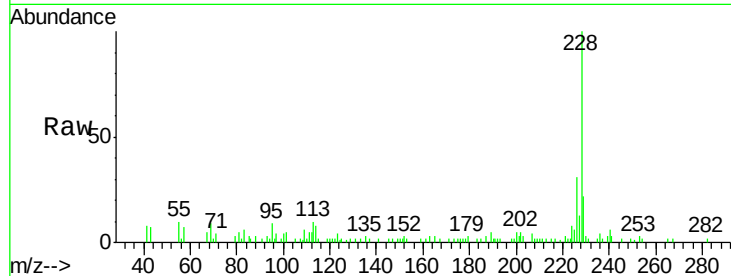
#82
Chrysene
Concen: 3.671 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.4	16.2	24.4

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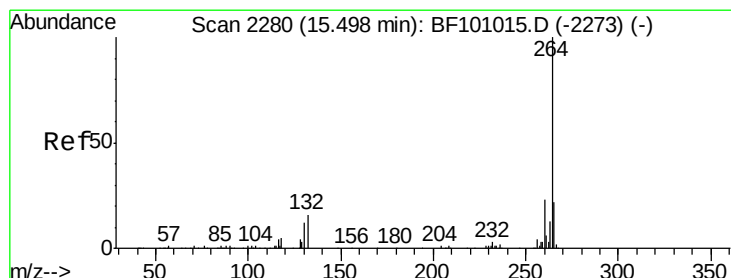
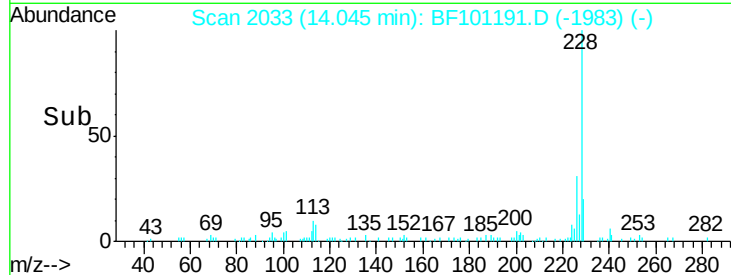
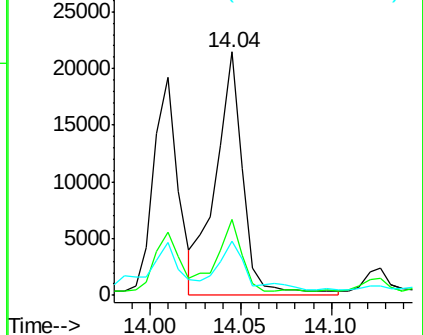


Abundance

Ion 228.00 (227.70 to 228.70): E

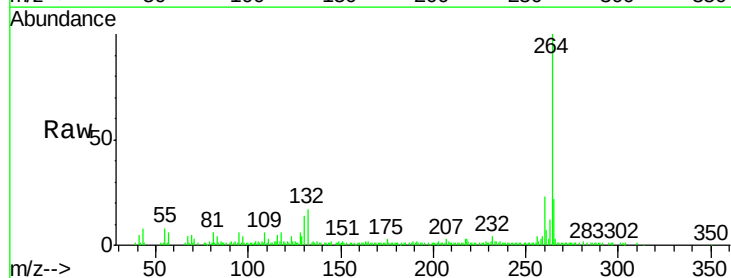
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.1	17.5	26.3

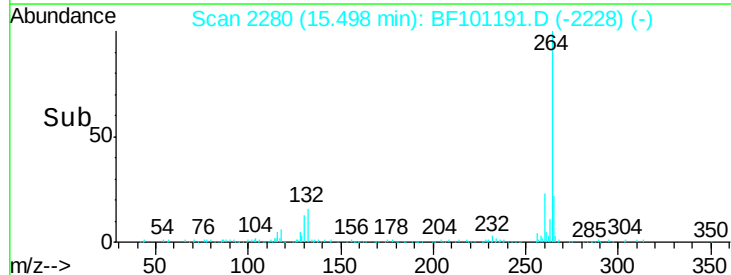
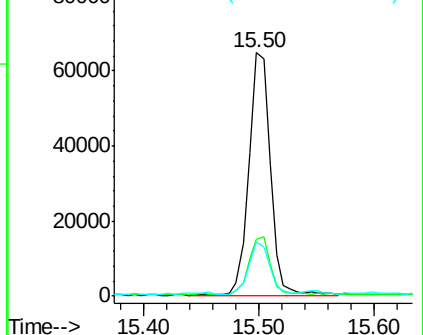


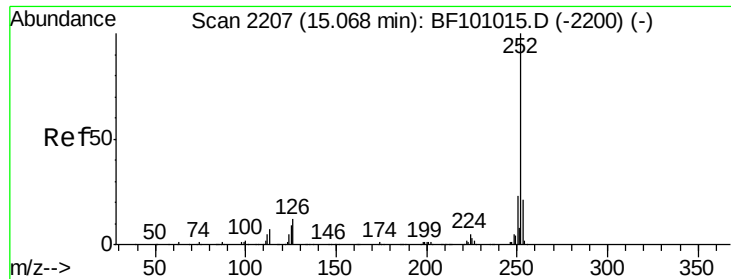
Abundance

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





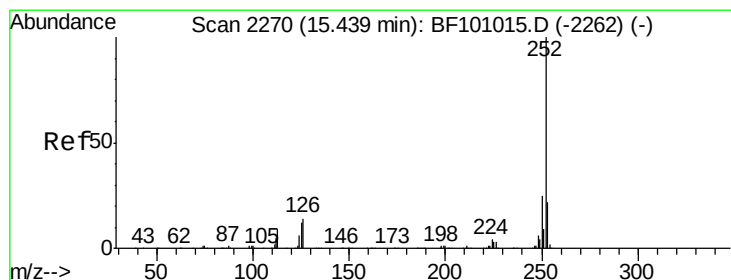
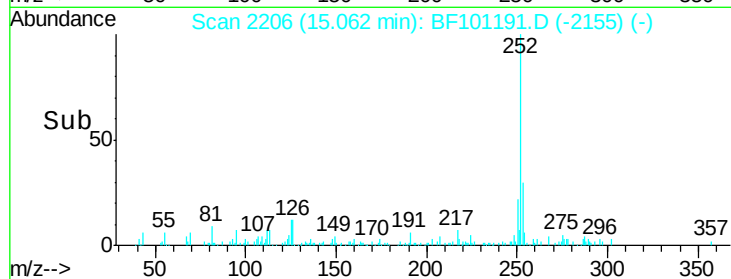
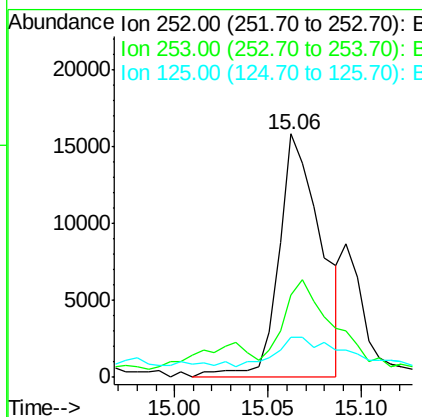
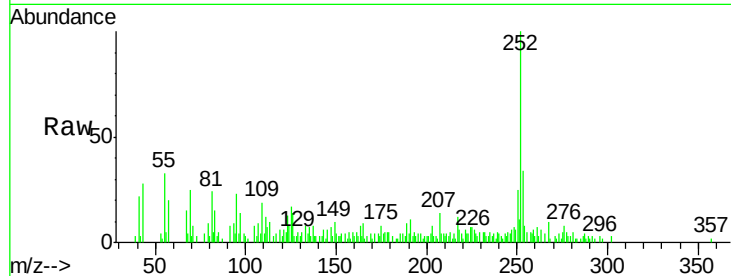
#87
Benzo(b)fluoranthene
Concen: 4.840 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Instrument :
BNA_F
ClientSampleId :
BART-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.7	17.0	25.6#
125	16.7	9.0	13.6#

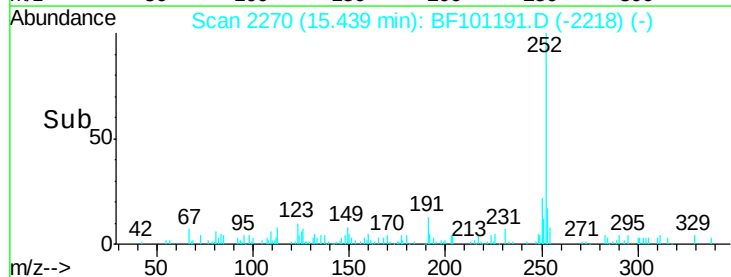
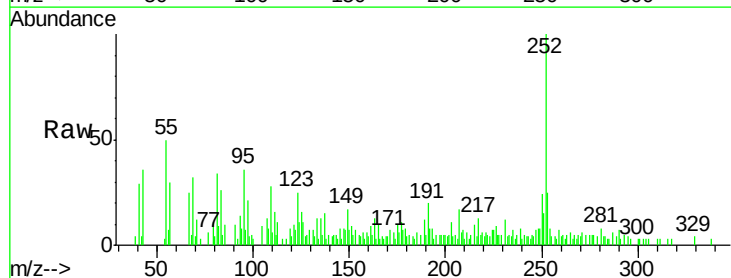
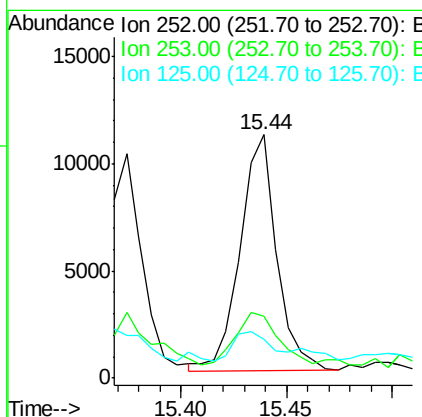
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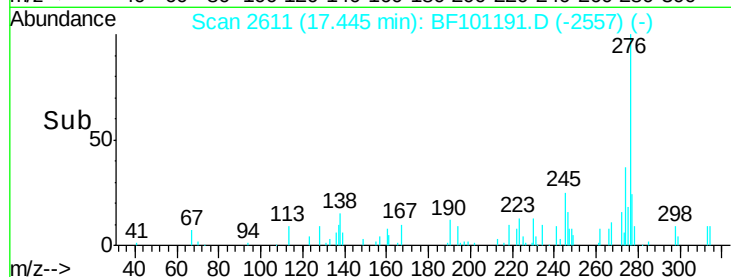
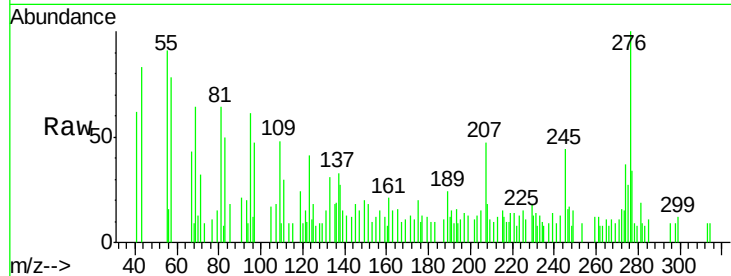
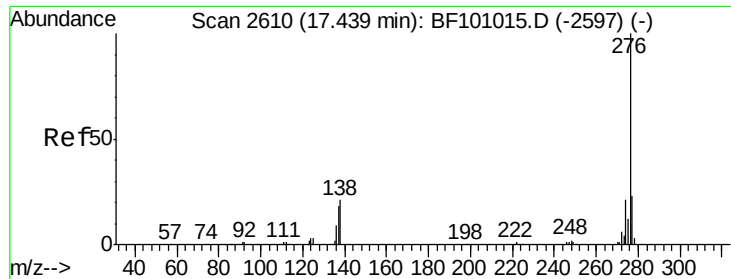
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#89
Benzo(a)pyrene
Concen: 2.843 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101191.D
Acq: 7 Dec 2017 2:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.1	25.7
125	16.2	9.8	14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 2.243 ng
 RT: 17.44 min Scan# 2611
 Delta R.T. 0.02 min
 Lab File: BF101191.D
 Acq: 7 Dec 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :
 BART-3-E(0-1)

Tot Ion	Ratio	Lower	Upper
276	100		
277	34.0	17.9	26.9#
138	27.0	21.8	32.8

Manual Integrations
 APPROVED

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