

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101189.D
 Acq On : 7 Dec 2017 1:51
 Operator : SJ/JU
 Sample : I6656-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BART-4-E(4-5)

Manual Integrations
 APPROVED

Sohil
 12/7/2017 11:36:15 AM

Quant Time: Dec 07 05:08:38 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	43833	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	167820	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	69777	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	110164	20.00	ng	0.00
75) Chrysene-d12	14.02	240	100633	20.00	ng	0.00
86) Perylene-d12	15.50	264	101501	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	241711	91.12	ng	0.00
7) Phenol-d6	6.48	99	297398	92.34	ng	0.00
23) Nitrobenzene-d5	7.41	82	187229	66.55	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	55156	65.80	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	360335	70.66	ng	0.00
78) Terphenyl-d14	12.96	244	246988	53.68	ng	0.00
Target Compounds						
10) Phenol	6.49	94	9085	2.537	ng	91
49) Dimethylphthalate	9.60	163	34208	6.079	ng	99
70) Phenanthrene	11.40	178	21693	3.576	ng	98
74) Fluoranthene	12.59	202	36530	5.432	ng	97
77) Pyrene	12.82	202	52893	7.617	ng	95
80) Benzo(a)anthracene	14.01	228	41451	6.524	ng	97
82) Chrysene	14.04	228	43272	7.333	ng	95
85) Indeno(1,2,3-cd)pyrene	16.98	276	15290	2.915	ng	# 88
87) Benzo(b)fluoranthene	15.07	252	40028m	6.584	ng	
88) Benzo(k)fluoranthene	15.09	252	14753m	2.463	ng	
89) Benzo(a)pyrene	15.43	252	32907m	5.954	ng	
91) Benzo(a,h,i)perylene	17.43	276	16035	3.492	ng	# 90

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

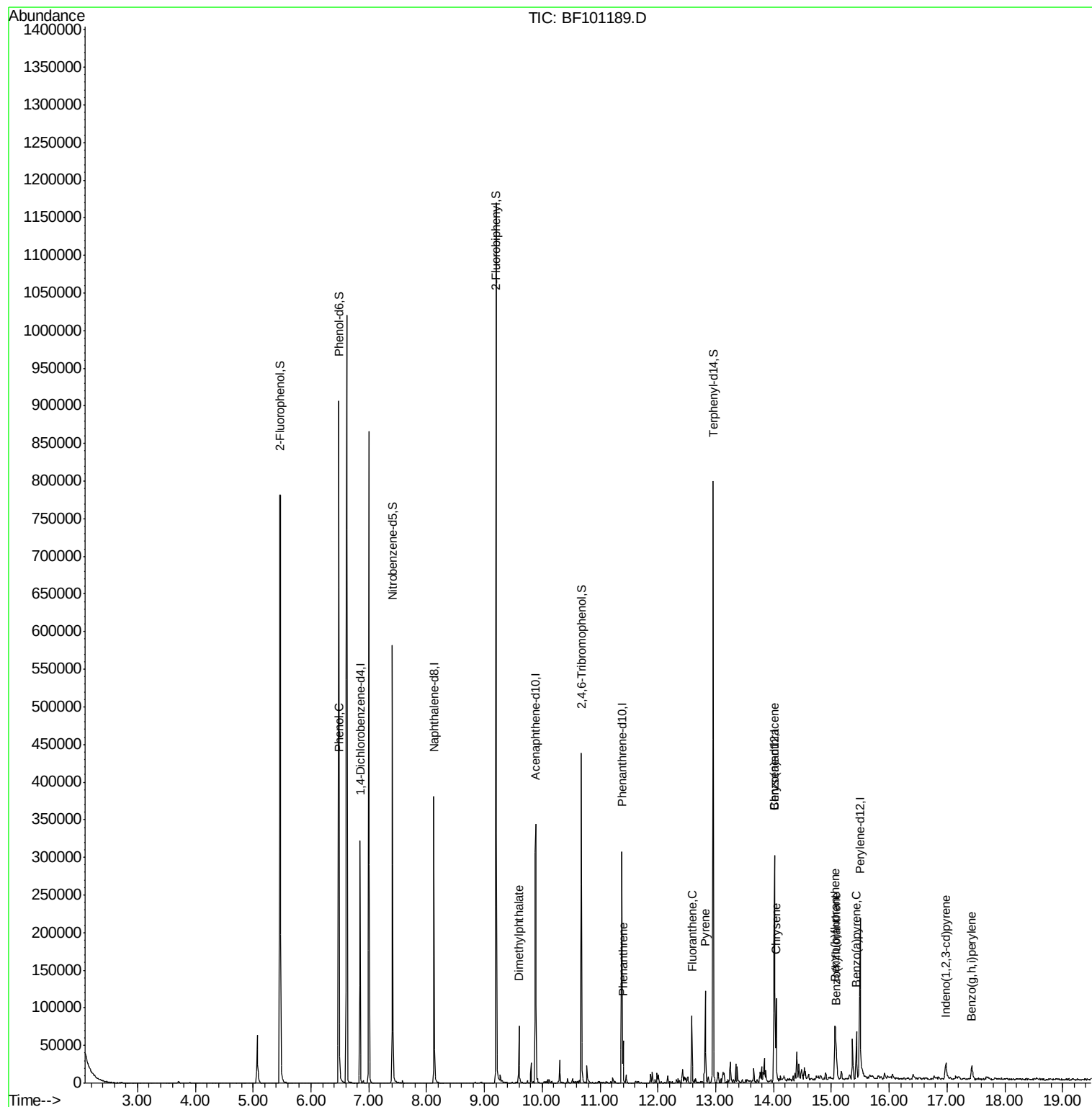
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
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ALS Vial : 29 Sample Multiplier: 1

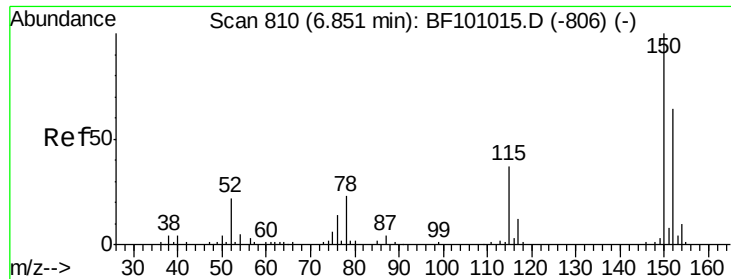
Instrument :
BNA_F
ClientSampleId :
BART-4-E(4-5)

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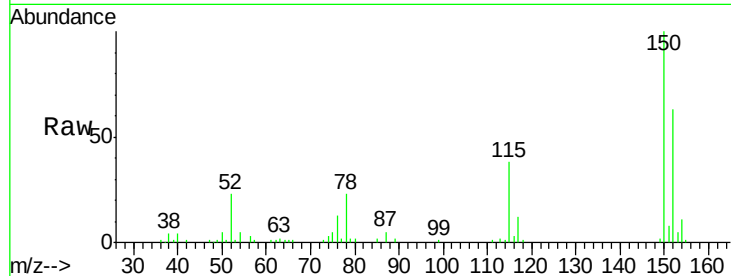
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF101189.D
 Acq: 7 Dec 2017 1:51

Instrument :
 BNA_F
 ClientSampleId :
 BART-4-E(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	61.2	50.1	75.1

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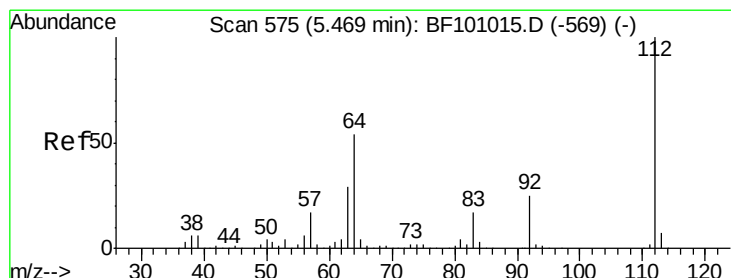
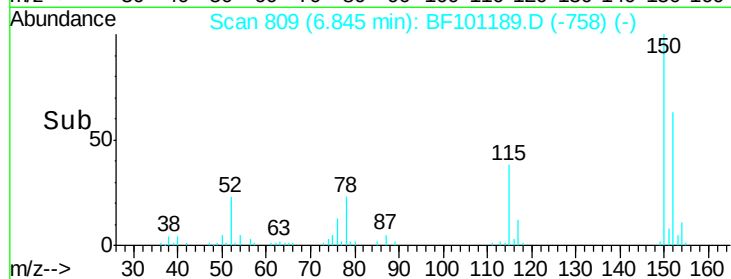
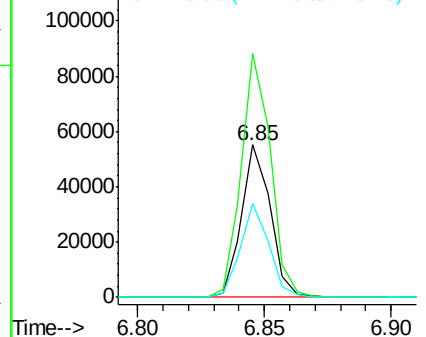


Abundance

Ion 152.00 (151.70 to 152.70): E

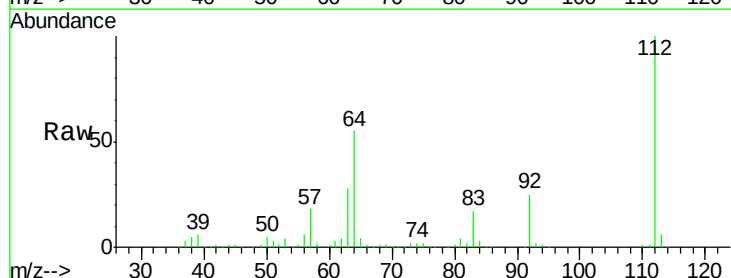
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 91.122 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF101189.D
 Acq: 7 Dec 2017 1:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	28.1	23.7	35.5

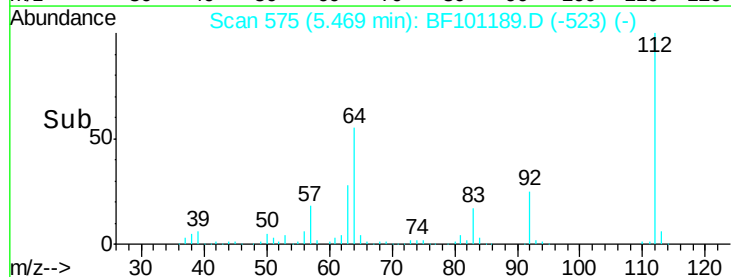
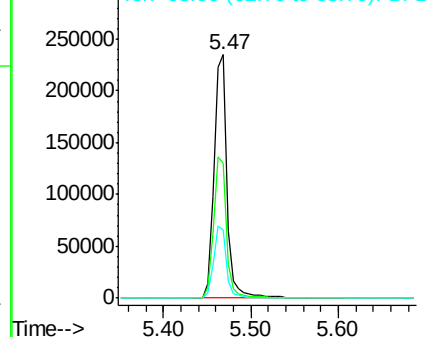


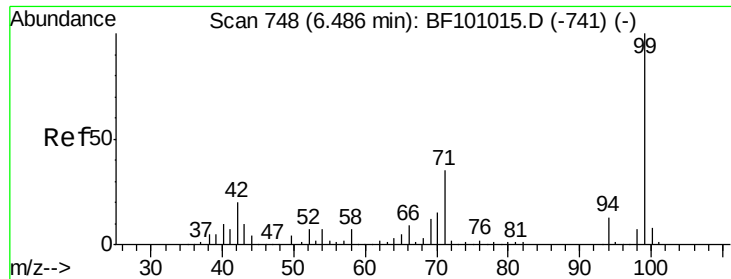
Abundance

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: 92.344 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101189.D

Acq: 7 Dec 2017 1:51

Instrument :

BNA_F

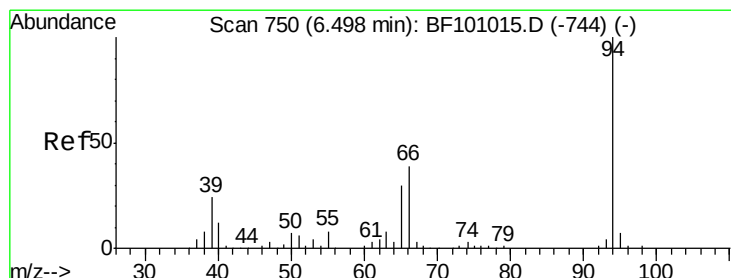
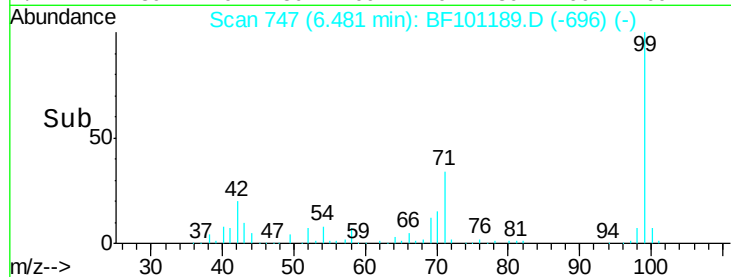
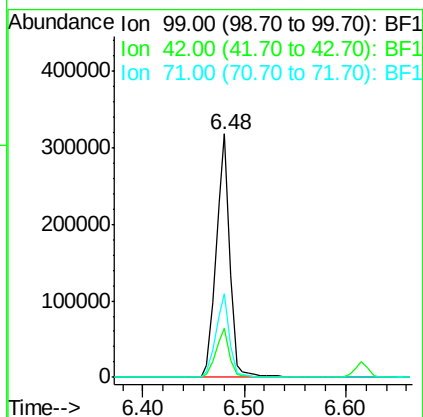
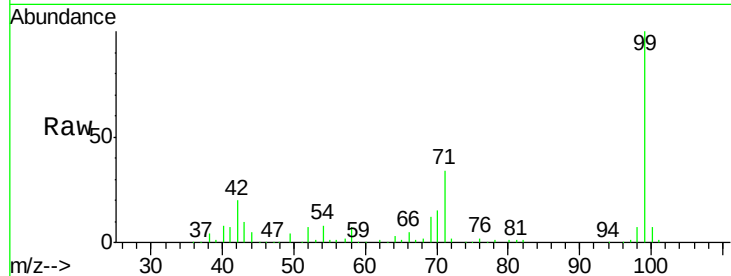
ClientSampleId :

BART-4-E(4-5)

Tot Ion:	99	Resp:	297398
Ion Ratio	Lower	Upper	
99	100		
42	20.2	14.5	21.7
71	34.5	25.4	38.0

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#10

Phenol

Concen: 2.537 ng

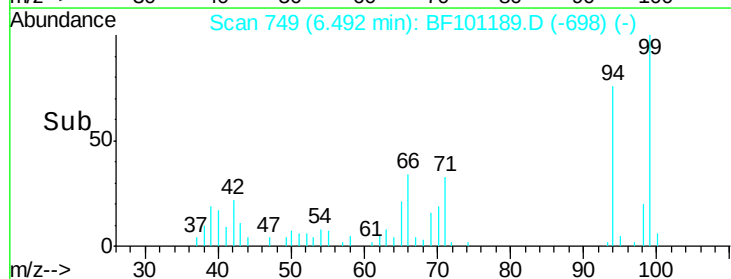
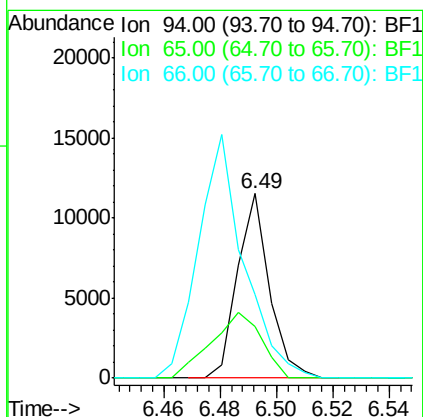
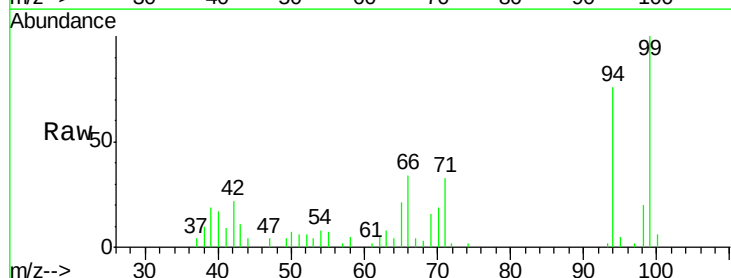
RT: 6.49 min Scan# 749

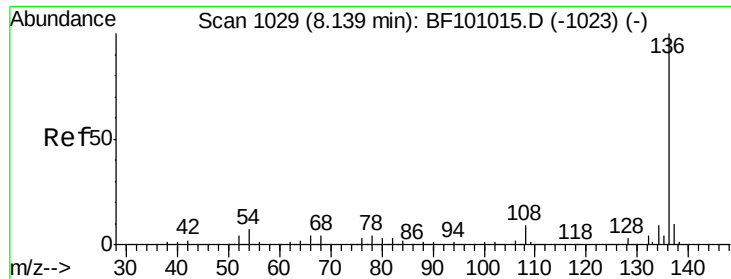
Delta R.T. 0.00 min

Lab File: BF101189.D

Acq: 7 Dec 2017 1:51

Tgt Ion:	94	Resp:	9085
Ion Ratio	Lower	Upper	
94	100		
65	28.1	7.9	47.9
66	45.2	16.2	56.2





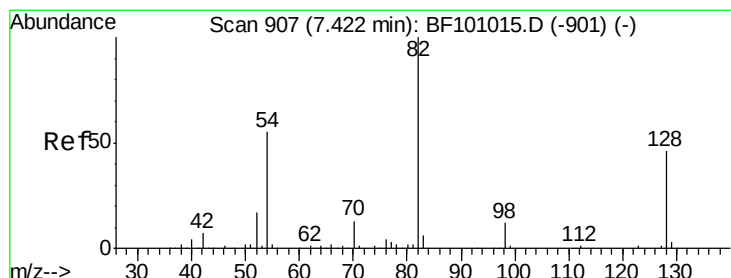
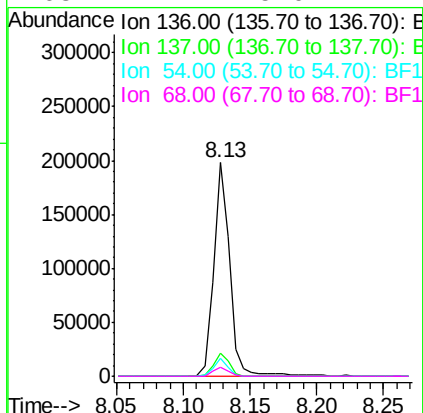
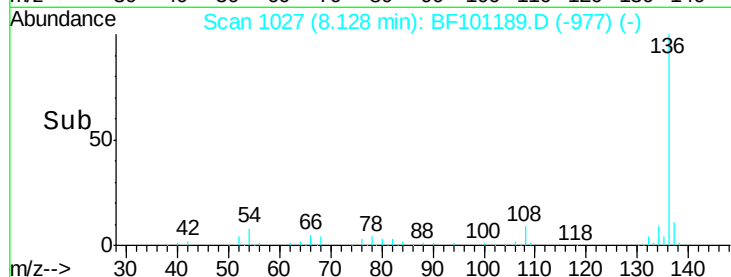
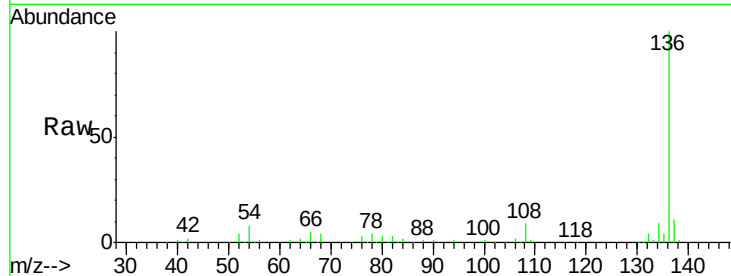
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Instrument :
BNA_F
ClientSampleId :
BART-4-E(4-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		167820		
137	10.9		8.9	13.3	
54	8.1		6.6	9.8	
68	4.4		5.0	7.4	

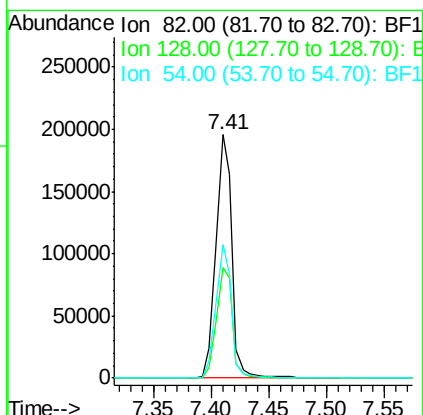
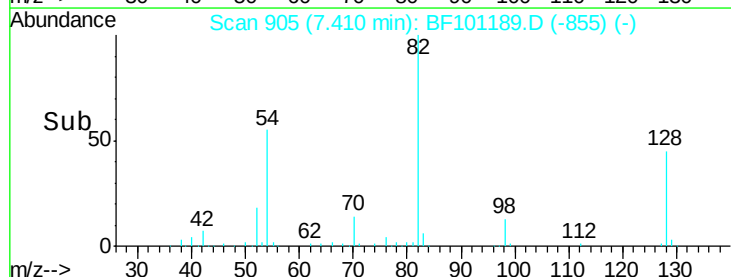
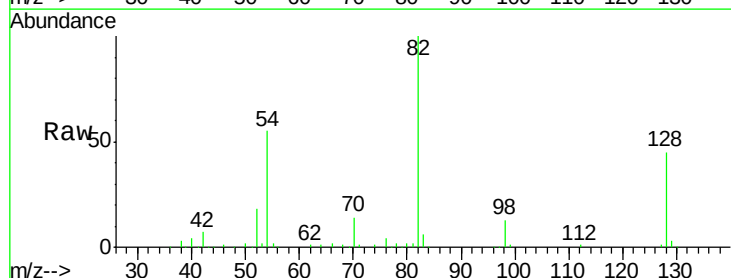
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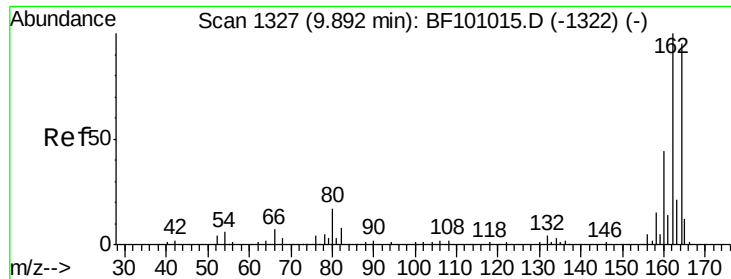
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#23
Nitrobenzene-d5
Concen: 66.552 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		187229		
128	45.2		36.1	54.1	
54	55.0		41.4	62.2	





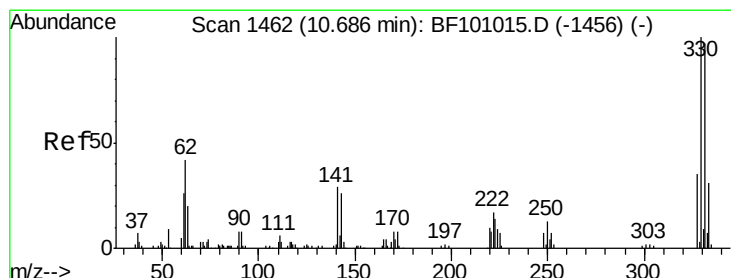
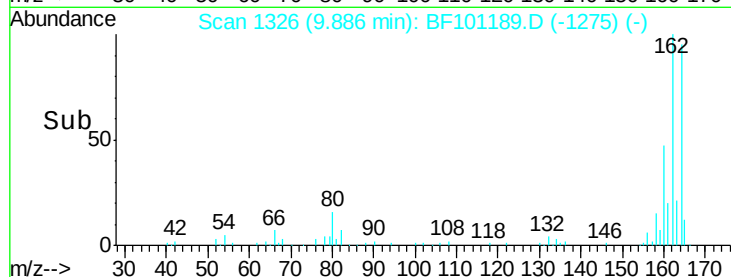
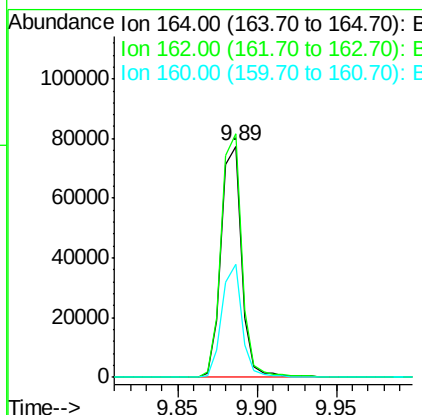
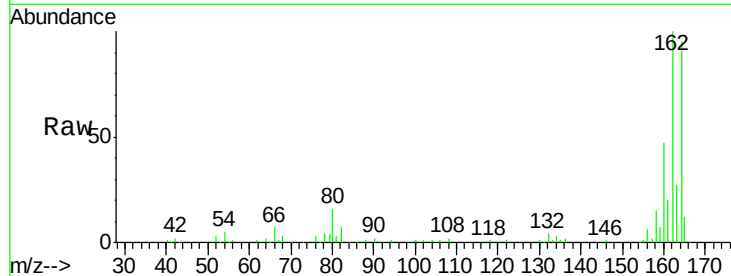
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Instrument :
BNA_F
ClientSampled :
BART-4-E(4-5)

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	49.1	38.3	57.5

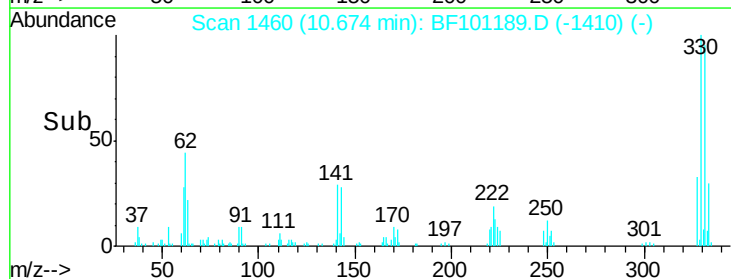
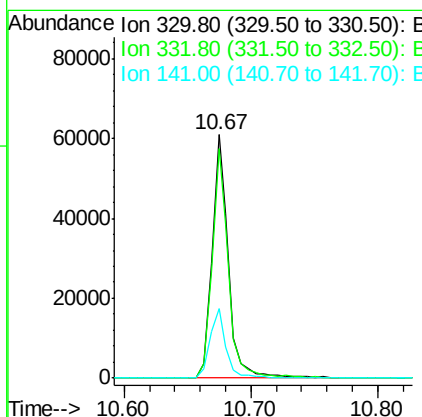
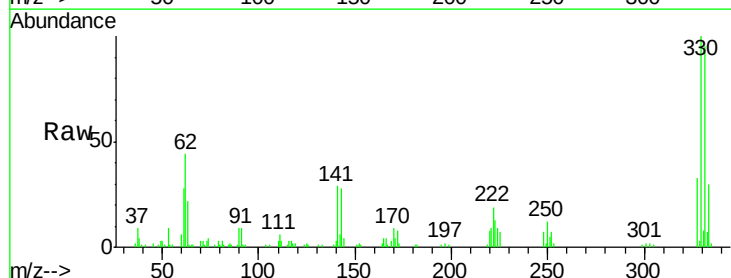
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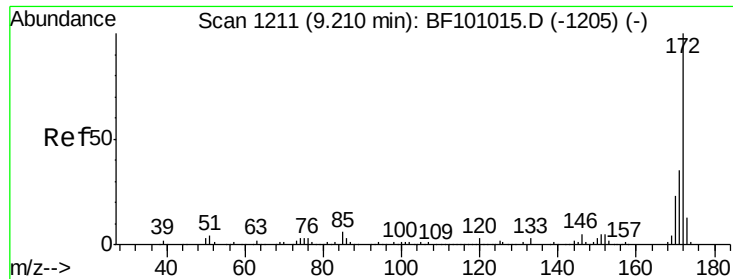
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#41
2,4,6-Tribromophenol
Concen: 65.801 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	28.0	29.9	44.9#





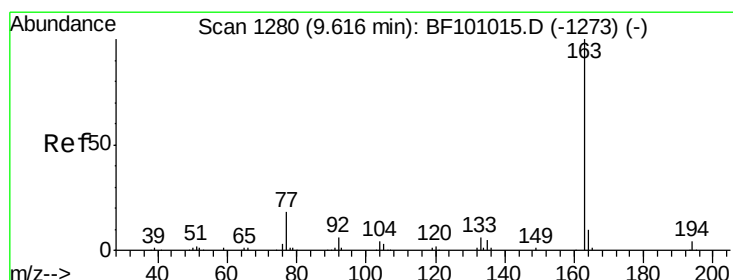
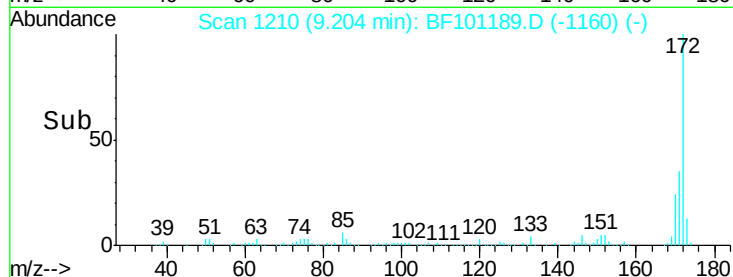
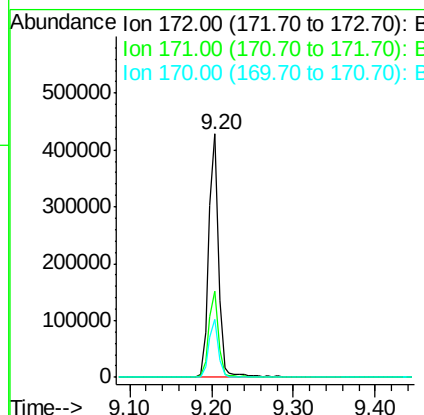
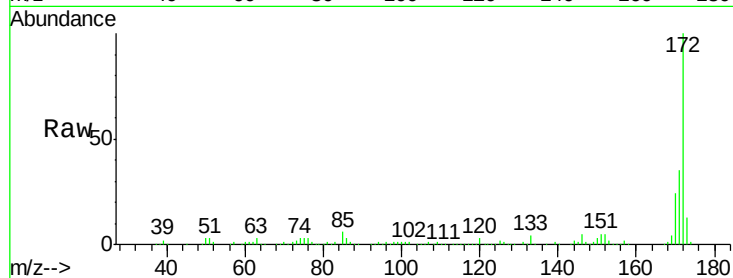
#44
2-Fluorobiphenyl
Concen: 70.655 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Instrument :
BNA_F
ClientSampleId :
BART-4-E(4-5)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	360335		
171	35.4	29.7	44.5	
170	23.7	19.6	29.4	

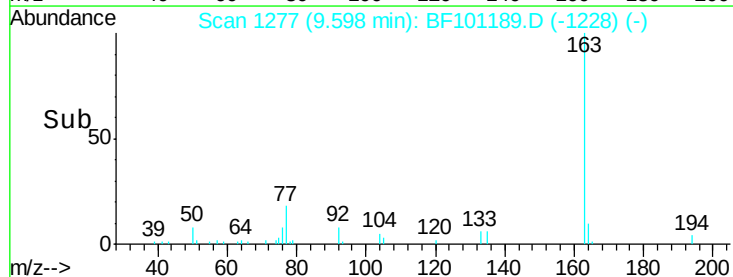
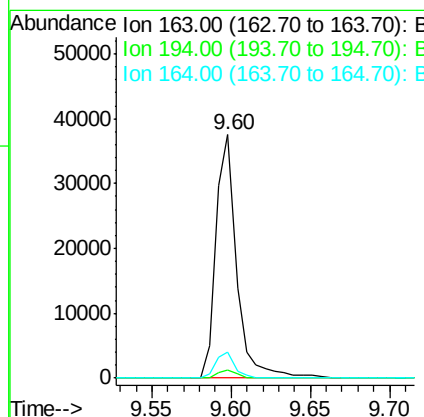
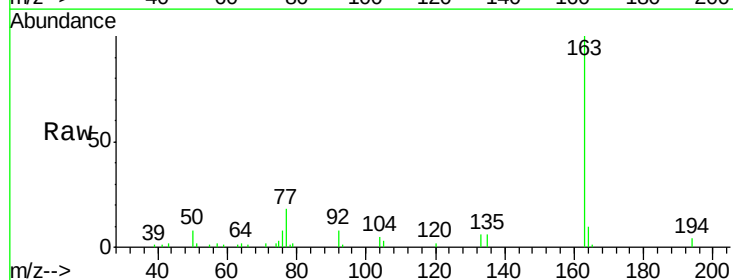
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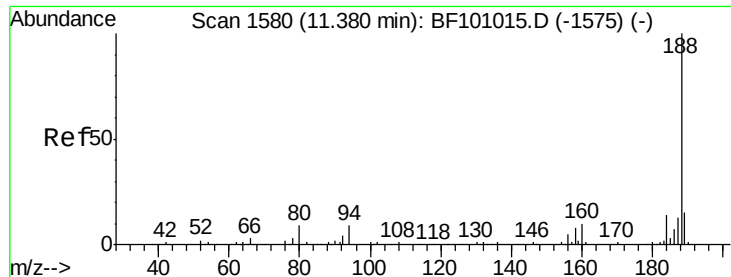
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#49
Dimethylphthalate
Concen: 6.079 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	34208		
194	3.5	2.7	4.1	
164	10.5	8.2	12.2	





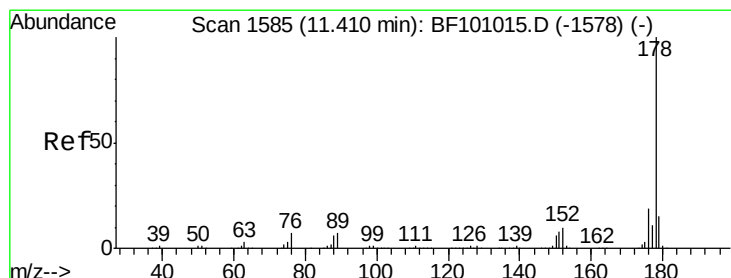
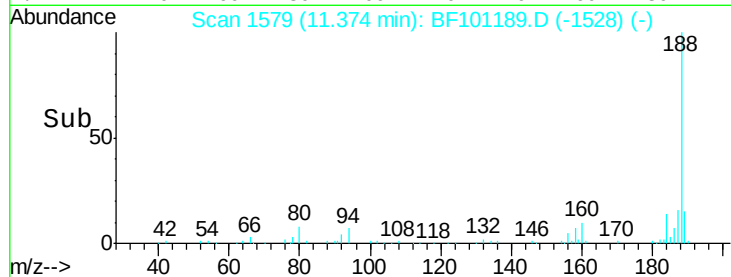
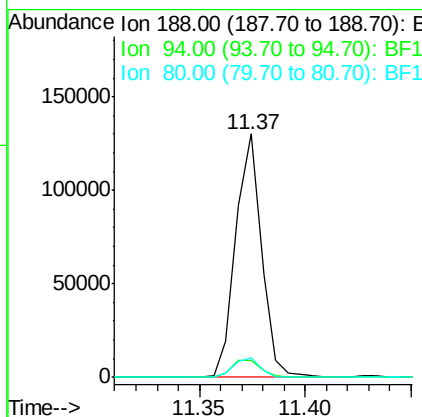
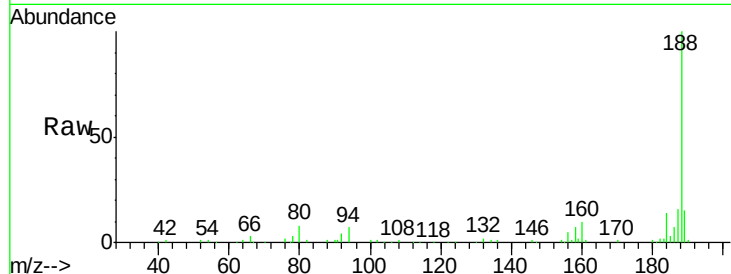
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Instrument :
BNA_F
ClientSampleId :
BART-4-E(4-5)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.9	8.5	12.7#
80	8.2	9.2	13.8#

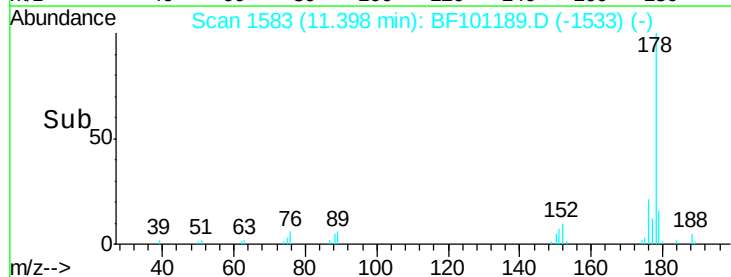
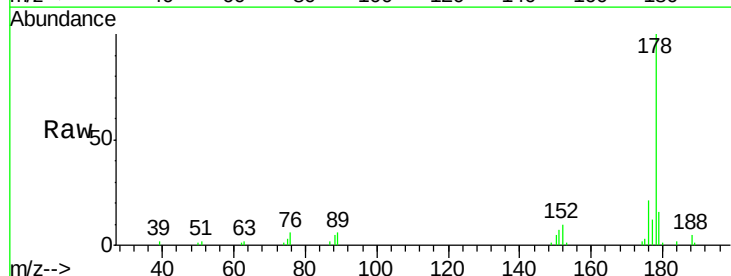
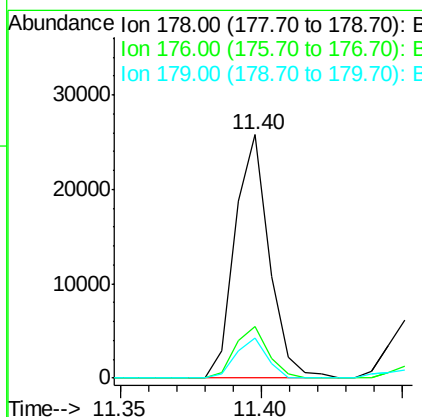
Manual Integrations
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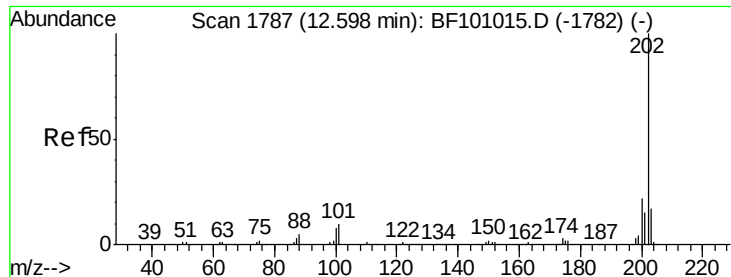
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#70
Phenanthrene
Concen: 3.576 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	21.3	15.8	23.8
179	16.3	13.0	19.6





#74

Fluoranthene

Concen: 5.432 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF101189.D

Acq: 7 Dec 2017 1:51

Instrument :

BNA_F

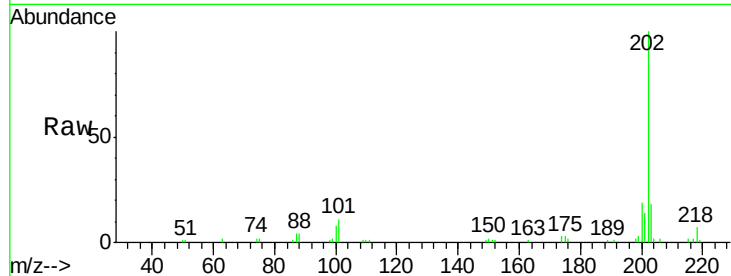
ClientSampleId :

BART-4-E(4-5)

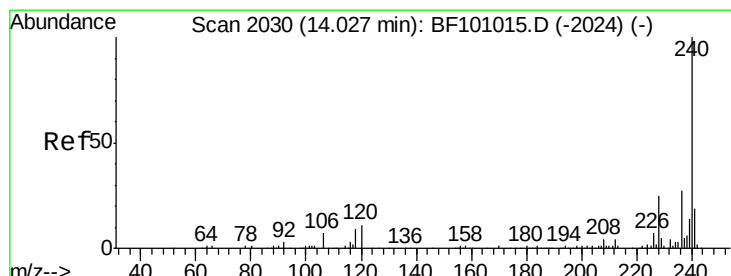
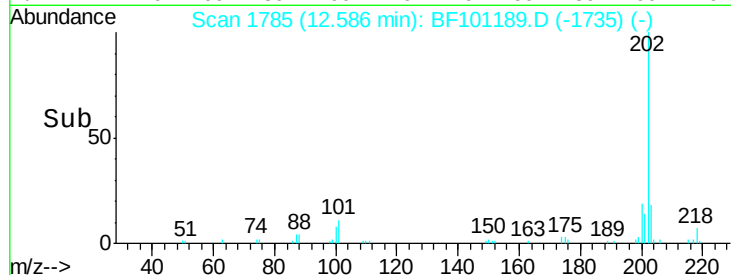
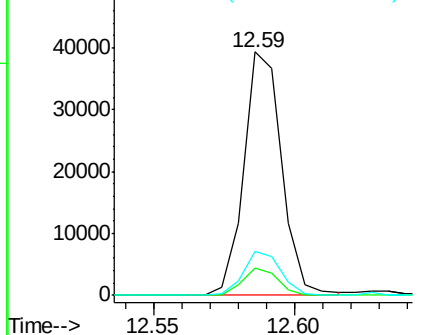
Tot Ion:	202	Resp:	36530
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	34.1
203	17.9	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

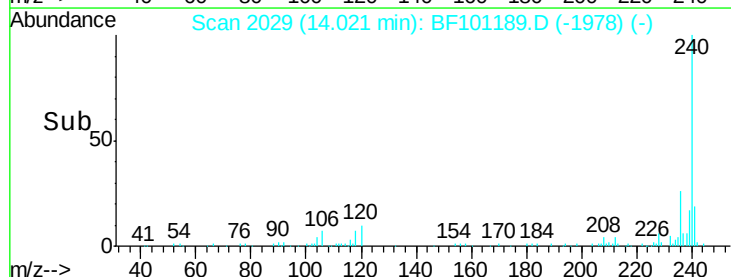
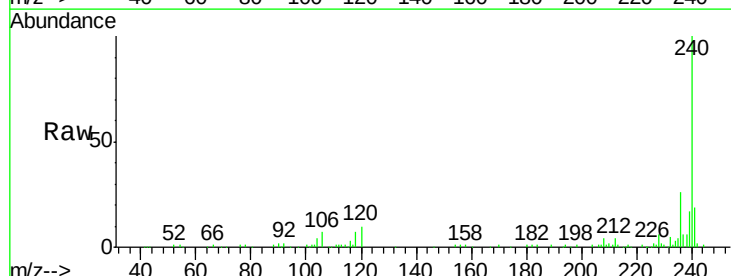
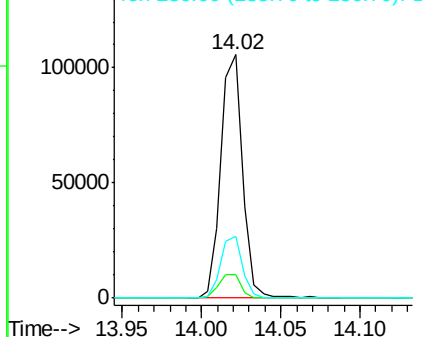
Delta R.T. 0.00 min

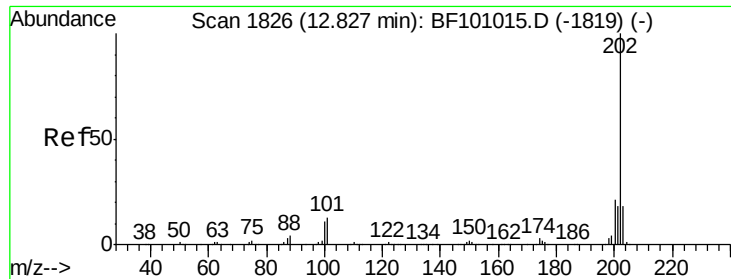
Lab File: BF101189.D

Acq: 7 Dec 2017 1:51

Tgt Ion:	240	Resp:	100633
Ion Ratio	Lower	Upper	
240	100		
120	9.9	9.5	14.3
236	25.7	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





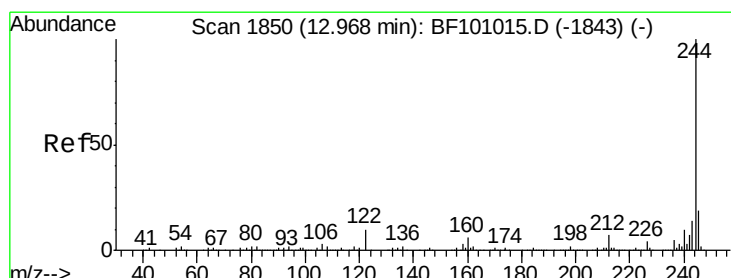
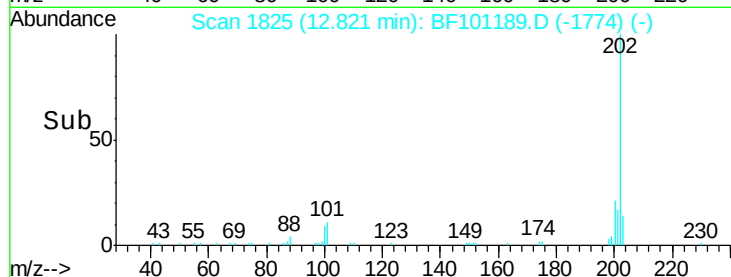
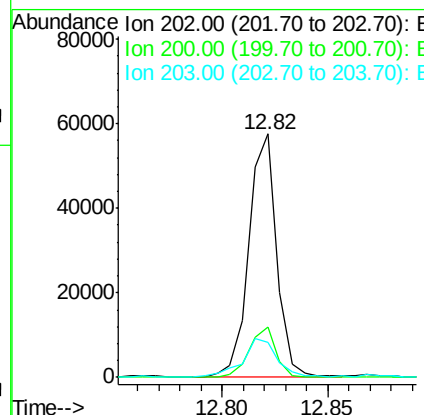
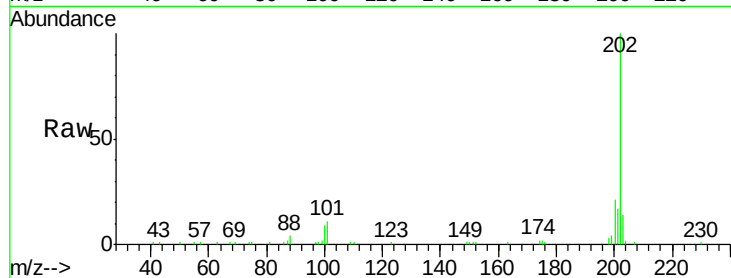
#77
Pvrene
Concen: 7.617 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.00 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Instrument :
BNA_F
ClientSampleId :
BART-4-E(4-5)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.4	26.2
203	14.4	14.3	21.5

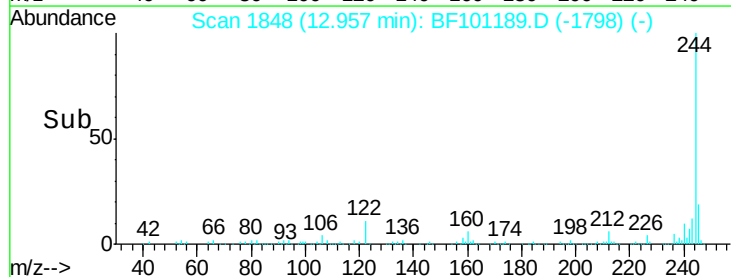
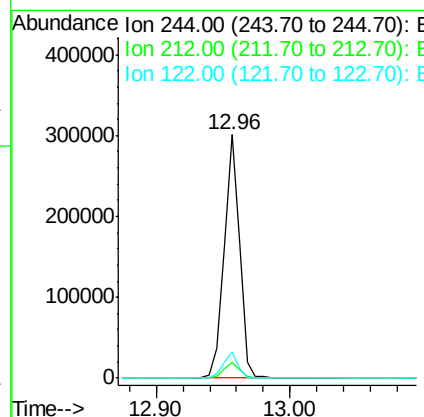
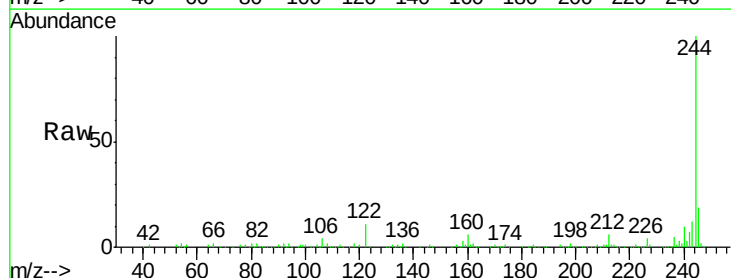
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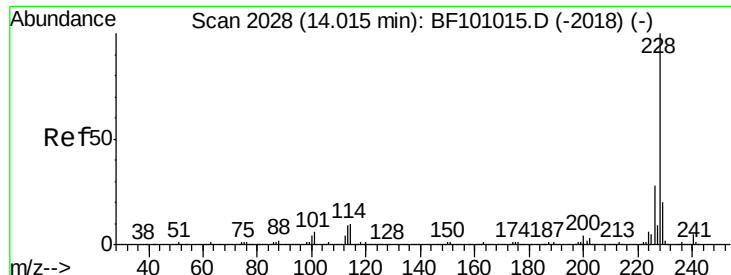
Sohil
12/7/2017 11:36:15 AM



#78
Terphenyl-d14
Concen: 53.683 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.3	5.4	8.0
122	10.7	11.0	16.4





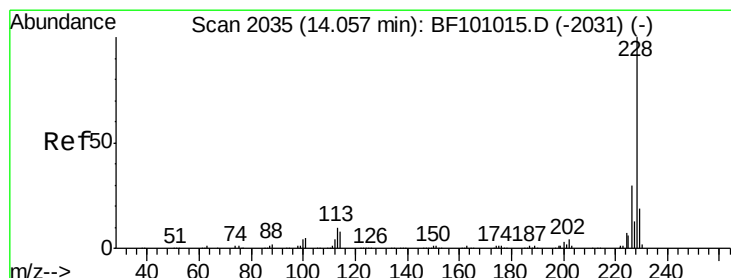
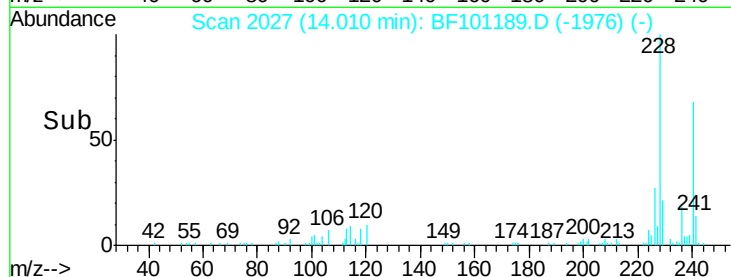
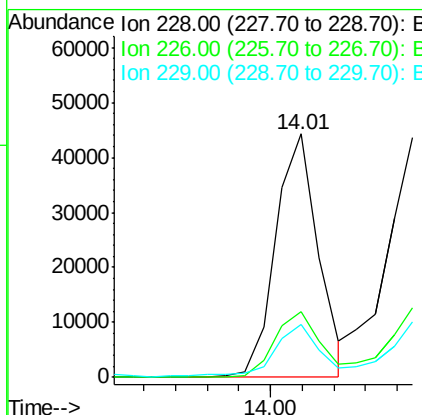
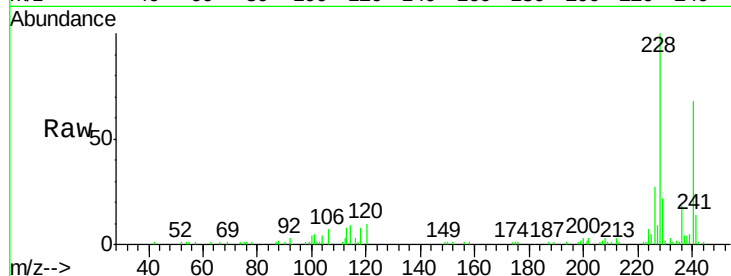
#80
Benzo(a)anthracene
Concen: 6.524 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Instrument :
BNA_F
ClientSampleId :
BART-4-E(4-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	21.8	15.8	23.6

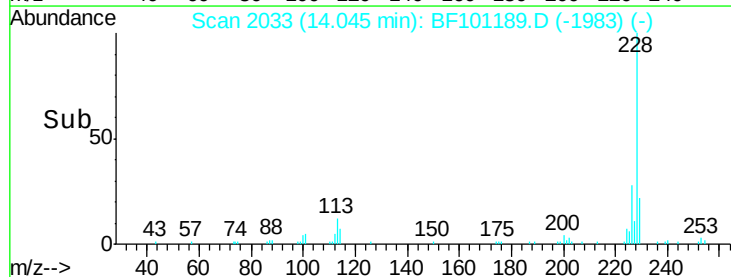
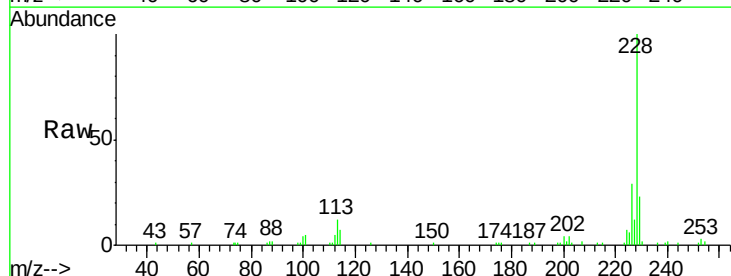
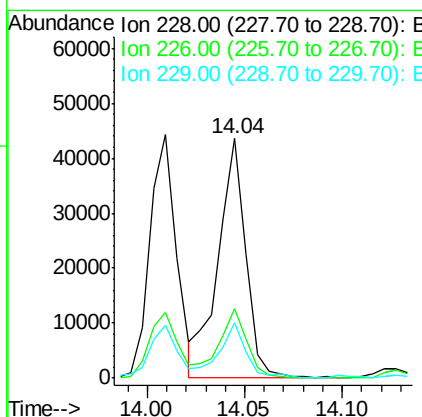
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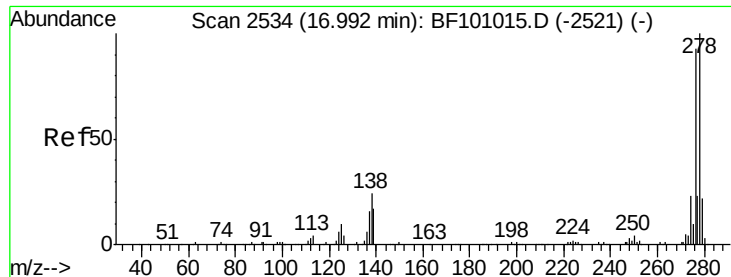
Sohil
12/7/2017 11:36:15 AM



#82
Chrysene
Concen: 7.333 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	22.9	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.915 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF101189.D

Acq: 7 Dec 2017 1:51

Instrument :

BNA_F

ClientSampleId :

BART-4-E(4-5)

Tot Ion:276 Resp: 15290

Ion Ratio Lower Upper

276 100

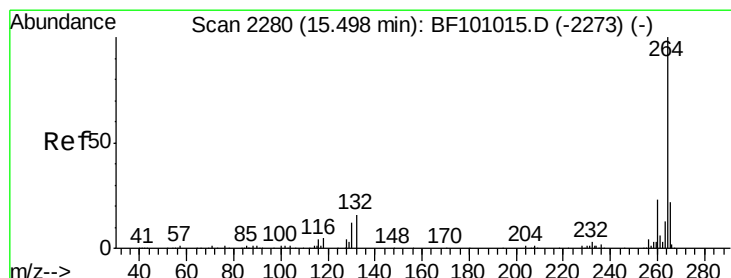
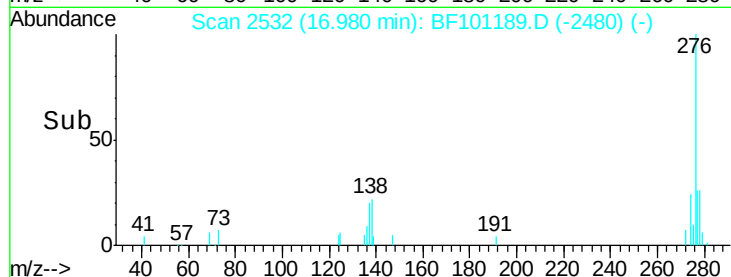
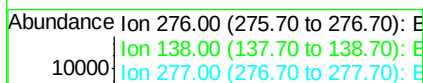
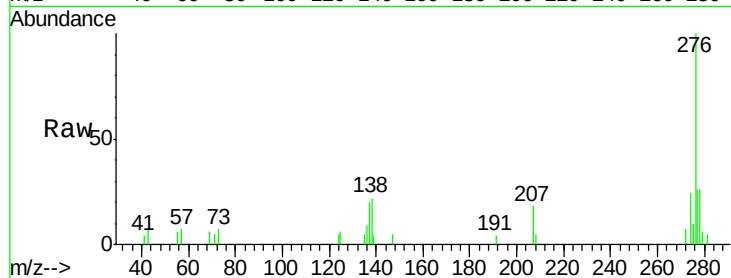
138 20.7 25.0 37.6#

277 26.3 20.1 30.1

Manual Integrations
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Sohil

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#86

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF101189.D

Acq: 7 Dec 2017 1:51

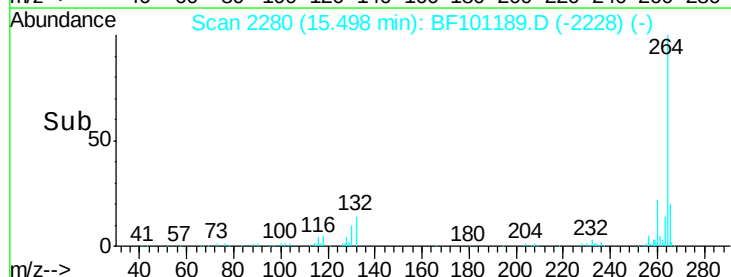
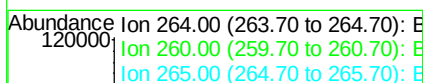
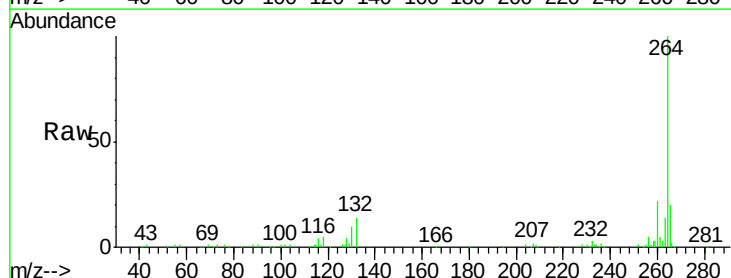
Tgt Ion:264 Resp: 101501

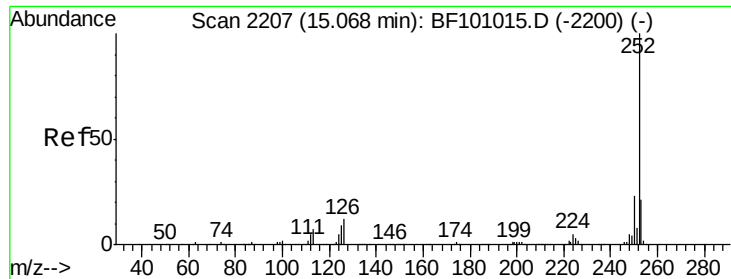
Ion Ratio Lower Upper

264 100

260 22.3 19.2 28.8

265 20.3 17.5 26.3





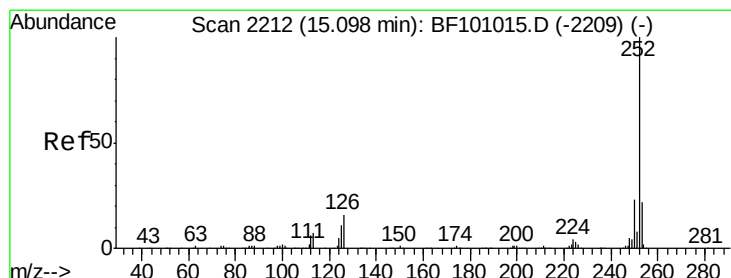
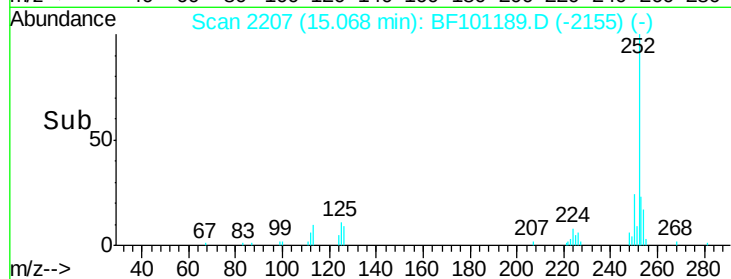
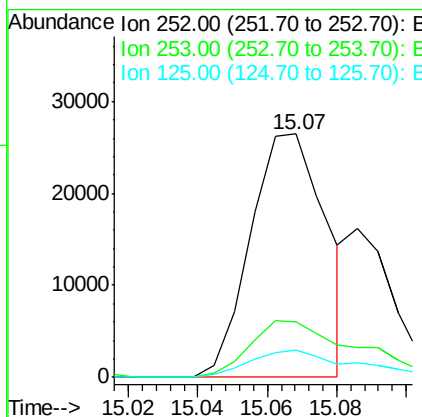
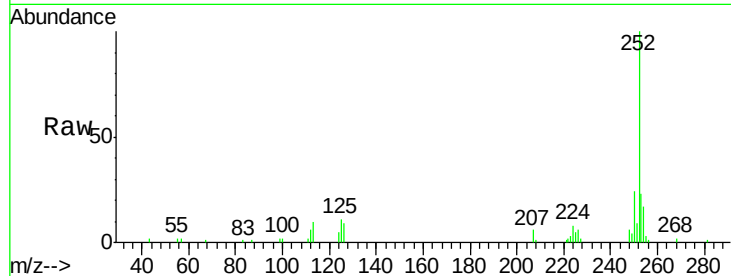
#87
Benzo(b)fluoranthene
Concen: 6.584 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Instrument :
BNA_F
ClientSampleId :
BART-4-E(4-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	11.4	9.0	13.6

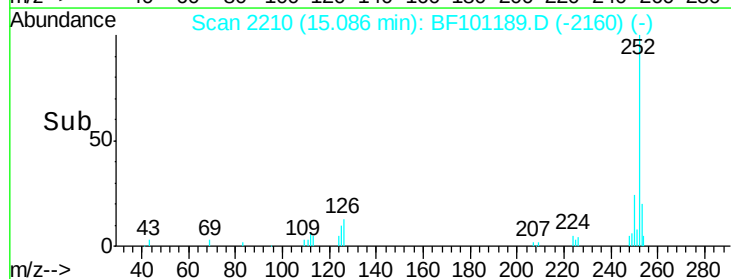
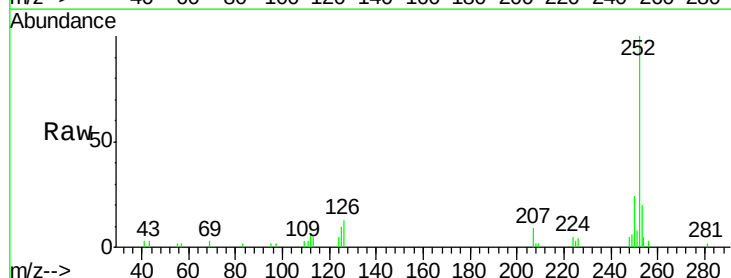
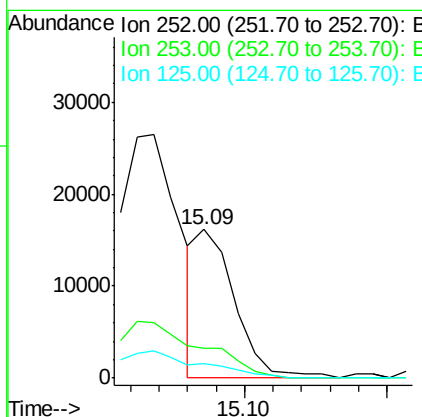
Manual Integrations
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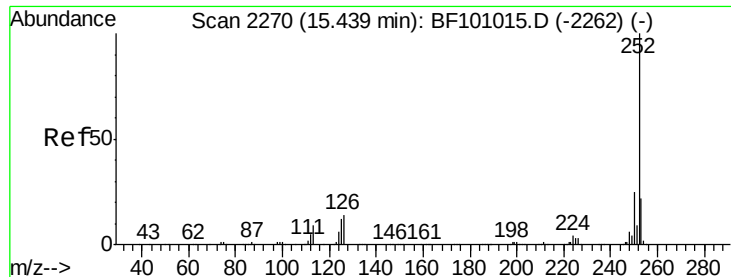
Sohil
12/7/2017 11:36:15 AM



#88
Benzo(k)fluoranthene
Concen: 2.463 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF101189.D
Acq: 7 Dec 2017 1:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.9	26.9
125	9.9	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 5.954 ng/mL

RT: 15.43 min Scan# 2269

Delta R.T. 0.00 min

Lab File: BF101189.D

Acq: 7 Dec 2017 1:51

Instrument :

BNA_F

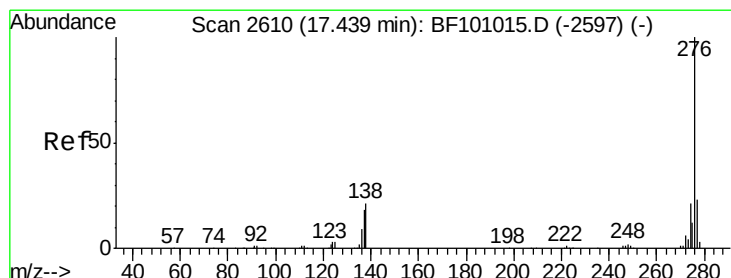
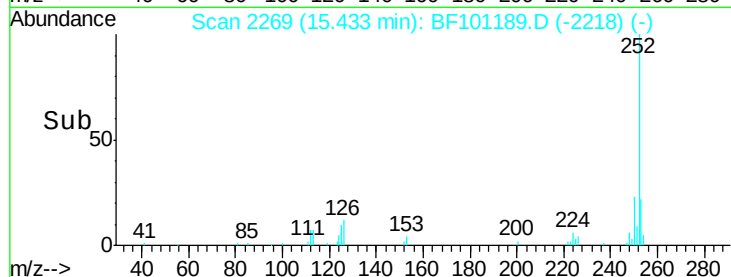
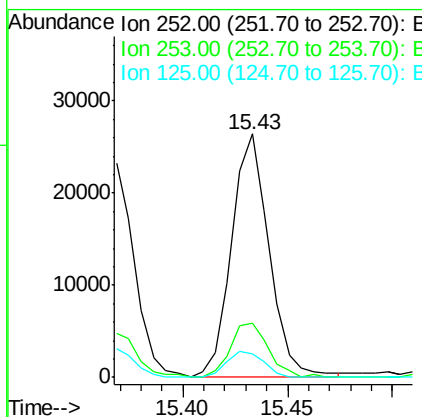
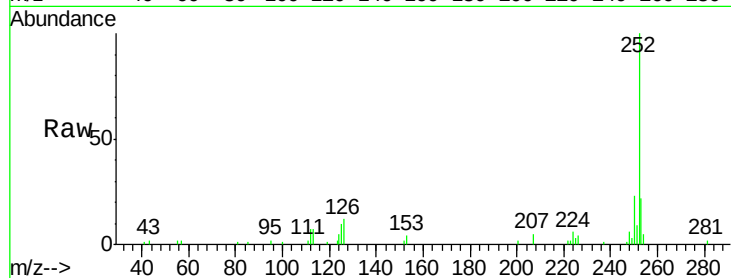
ClientSampleId :

BART-4-E(4-5)

Tot Ion:	252	Resp:	32907
Ion Ratio		Lower	Upper
252	100		
253	22.0	17.1	25.7
125	9.8	9.8	14.6#

Manual Integrations
APPROVED

Sohil
12/7/2017 11:36:15 AM



#91

Benzo(g,h,i)perylene

Concen: 3.492 ng/mL

RT: 17.43 min Scan# 2608

Delta R.T. 0.00 min

Lab File: BF101189.D

Acq: 7 Dec 2017 1:51

Tgt Ion:	276	Resp:	16035
Ion Ratio		Lower	Upper
276	100		
277	22.9	17.9	26.9
138	18.7	21.8	32.8#

