

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
 Data File : BF101194.D
 Acq On : 7 Dec 2017 4:05
 Operator : SJ/JU
 Sample : I6656-07
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BART-2-E(7-8)

Manual Integrations
 APPROVED

Sohil
 12/7/2017 11:36:21 AM

Quant Time: Dec 07 05:54:40 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	43760	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	163488	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	66273	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	107980	20.00	ng	0.00
75) Chrysene-d12	14.03	240	98959	20.00	ng	0.00
86) Perylene-d12	15.50	264	82752	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	172846	65.27	ng	0.00
7) Phenol-d6	6.48	99	301560	93.79	ng	0.00
23) Nitrobenzene-d5	7.42	82	194499	70.97	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	28296	35.54	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	365374	75.43	ng	0.00
78) Terphenyl-d14	12.96	244	258022	57.03	ng	0.00
Target Compounds						
10) Phenol	6.49	94	9882	2.764	ng	Qvalue 85
31) Naphthalene	8.15	128	26536	3.293	ng	100
48) Acenaphthylene	9.75	152	16469	2.324	ng	# 97
49) Dimethylphthalate	9.60	163	41761	7.813	ng	98
51) Acenaphthene	9.92	154	18976	4.472	ng	95
54) Dibenzofuran	10.09	168	29909	4.891	ng	98
57) Fluorene	10.43	166	27787	5.590	ng	99
70) Phenanthrene	11.40	178	351263	59.071	ng	99
71) Anthracene	11.45	178	93592	15.551	ng	98
72) Carbazole	11.61	167	32378	5.888	ng	98
74) Fluoranthene	12.60	202	368013	55.831	ng	93
77) Pyrene	12.83	202	318981	46.713	ng	99
80) Benzo(a)anthracene	14.02	228	151312	24.217	ng	99
82) Chrysene	14.05	228	135863m	23.414	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	53041m	10.281	ng	
87) Benzo(b)fluoranthene	15.07	252	151872m	30.640	ng	
88) Benzo(k)fluoranthene	15.10	252	39610m	8.111	ng	
89) Benzo(a)pyrene	15.44	252	101019	22.418	ng	95
90) Dibenzo(a,h)anthracene	17.00	278	13046m	3.284	ng	
91) Benzo(a,h,i)perylene	17.45	276	51659	13.798	ng	# 88

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

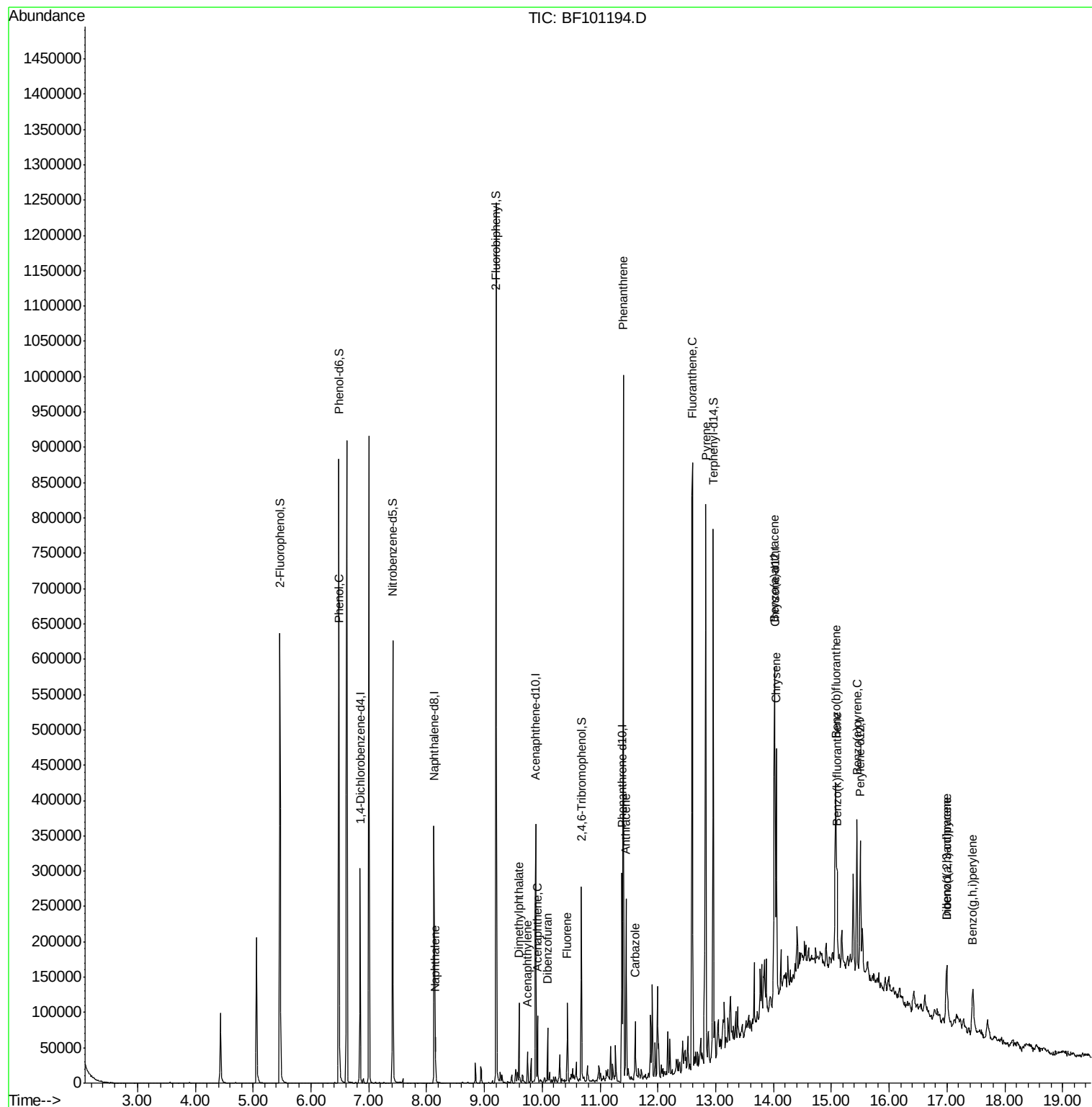
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120617\
Data File : BF101194.D
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Sample : I6656-07
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ALS Vial : 34 Sample Multiplier: 1

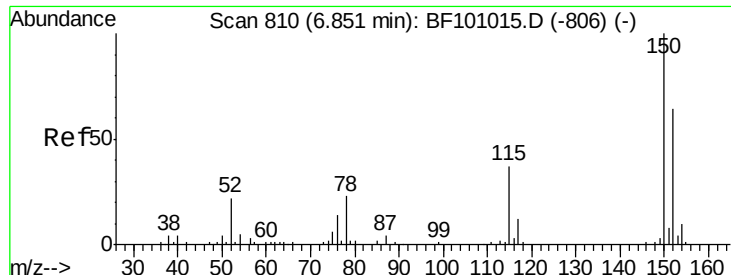
Instrument :
BNA_F
ClientSampleId :
BART-2-E(7-8)

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#1

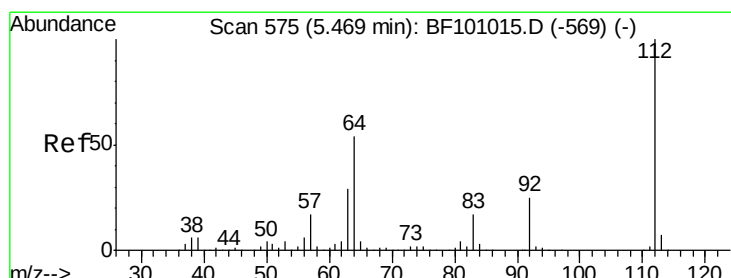
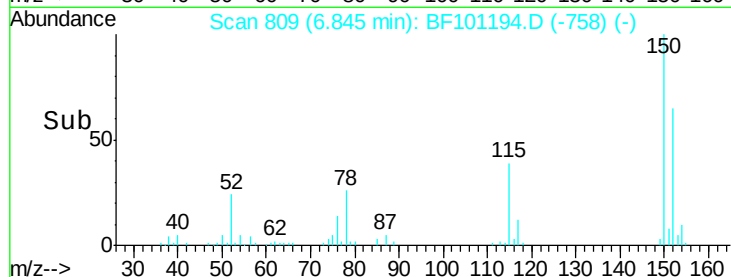
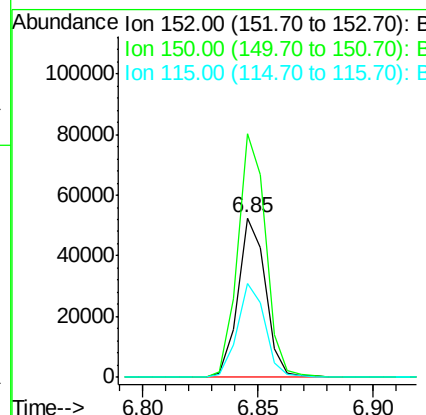
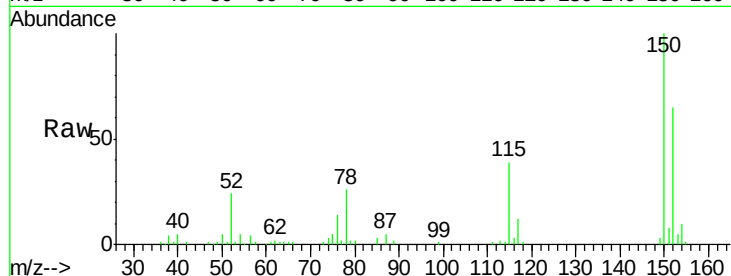
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Instrument :
BNA_F
ClientSampled :
BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.6	186.8
115	58.9	50.1	75.1

Manual Integrations
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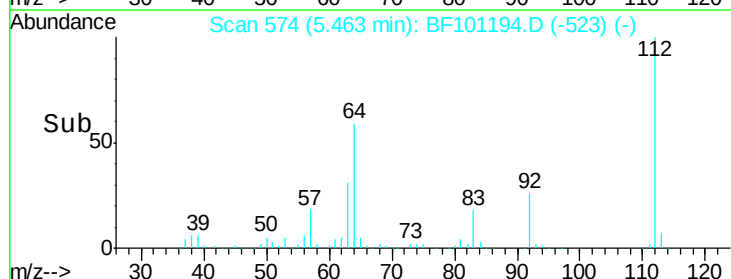
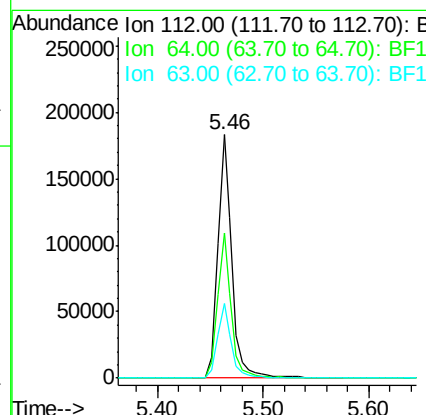
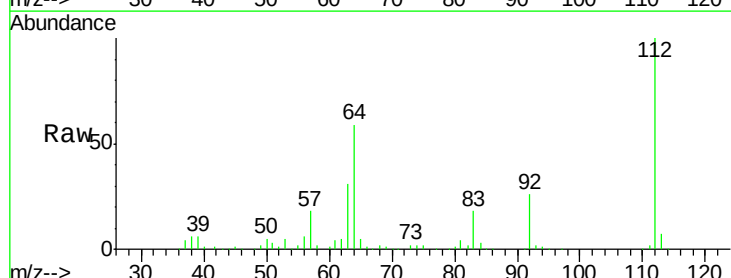
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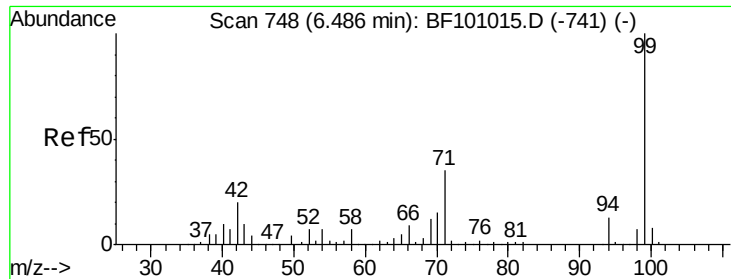


#5

2-Fluorophenol
Concen: 65.269 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 93.793 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101194.D

Acq: 7 Dec 2017 4:05

Instrument :

BNA_F

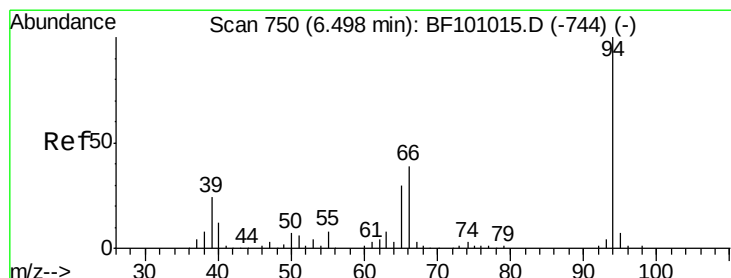
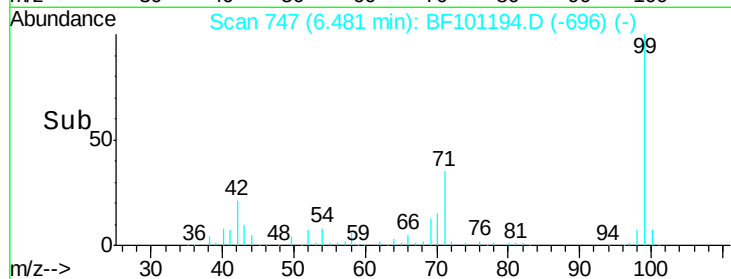
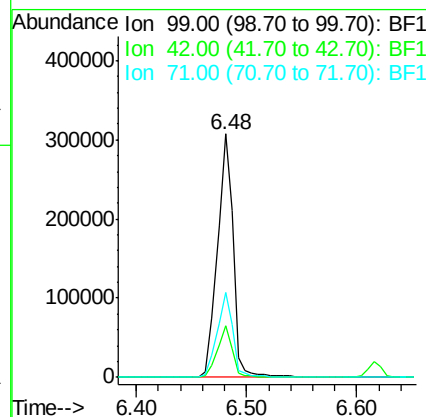
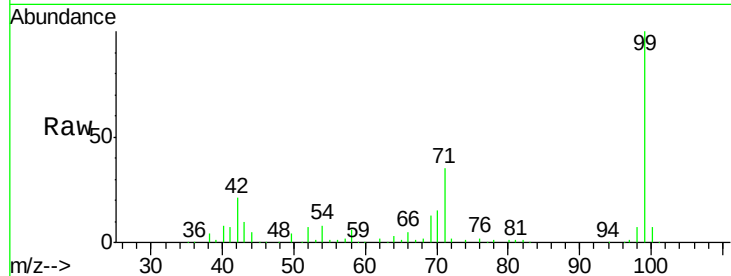
ClientSampleId :

BART-2-E(7-8)

Tot Ion:	99	Resp:	301560
Ion	Ratio	Lower	Upper
99	100		
42	21.3	14.5	21.7
71	35.1	25.4	38.0

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#10

Phenol

Concen: 2.764 ng

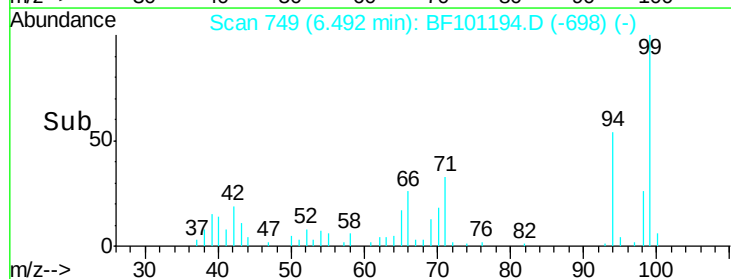
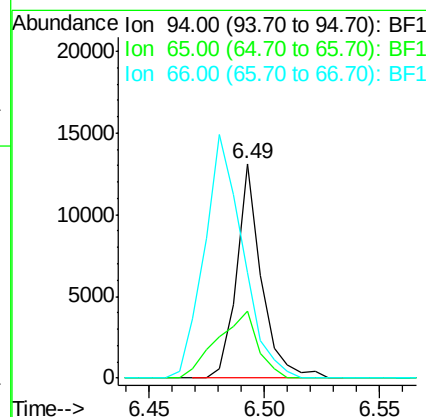
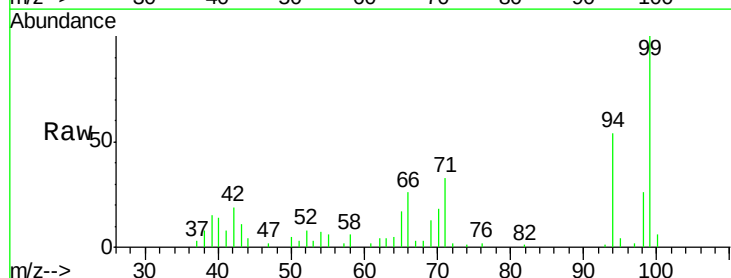
RT: 6.49 min Scan# 749

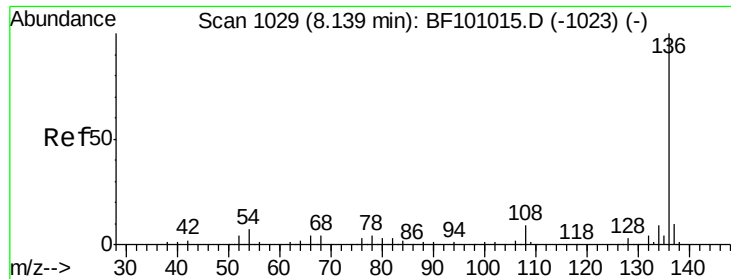
Delta R.T. 0.00 min

Lab File: BF101194.D

Acq: 7 Dec 2017 4:05

Tgt Ion:	94	Resp:	9882
Ion	Ratio	Lower	Upper
94	100		
65	31.4	7.9	47.9
66	48.9	16.2	56.2





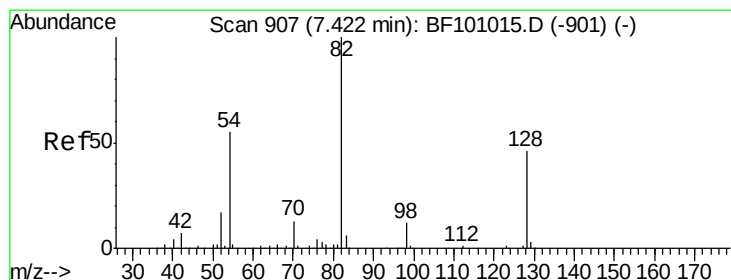
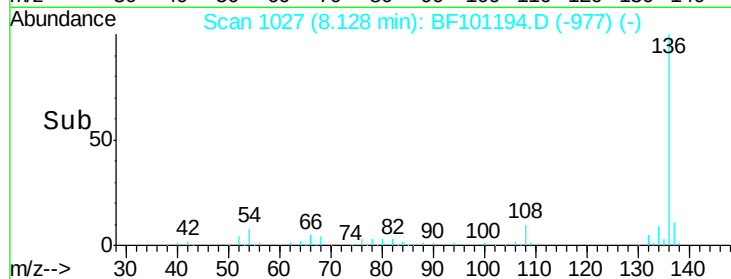
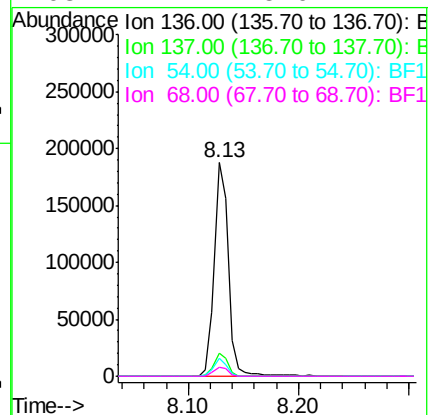
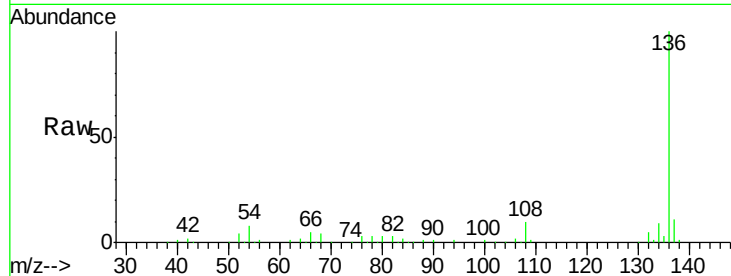
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Instrument :
BNA_F
ClientSampleId :
BART-2-E(7-8)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	163488		
137	10.5	8.9	13.3	
54	8.2	6.6	9.8	
68	4.4	5.0	7.4	

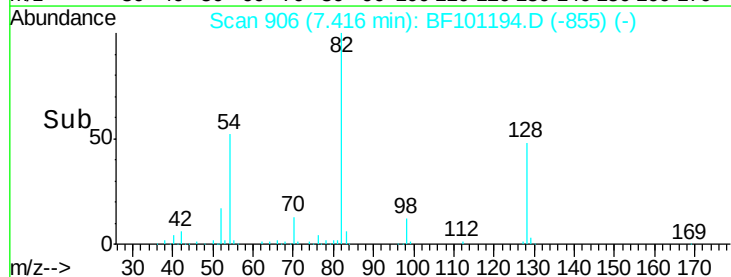
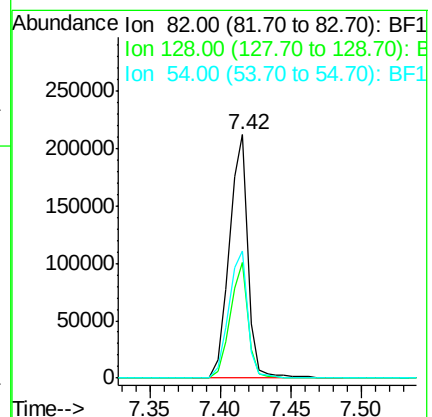
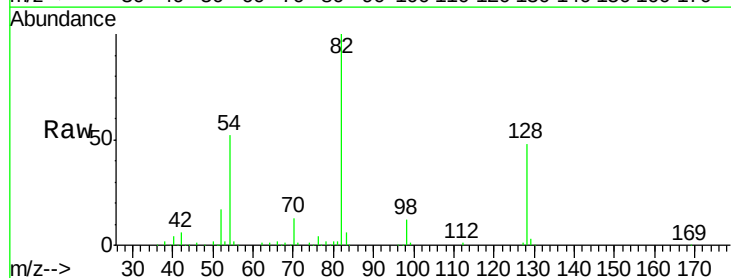
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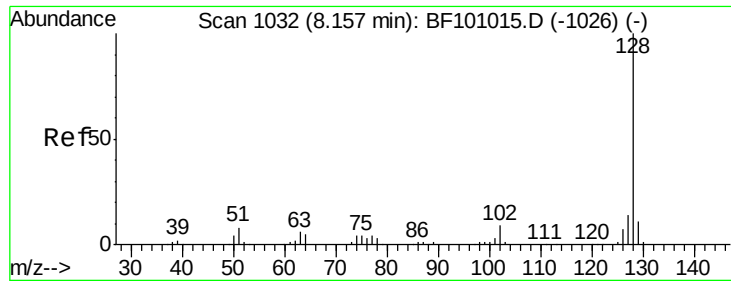
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#23
Nitrobenzene-d5
Concen: 70.968 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	194499		
128	47.5	36.1	54.1	
54	52.0	41.4	62.2	





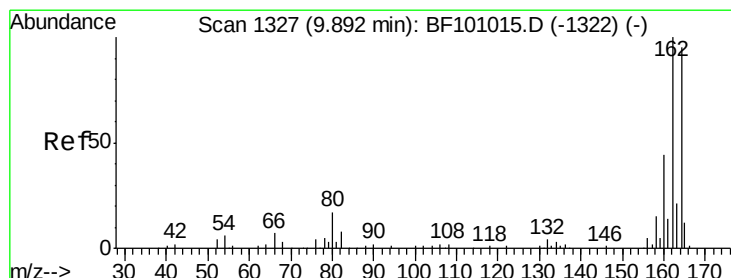
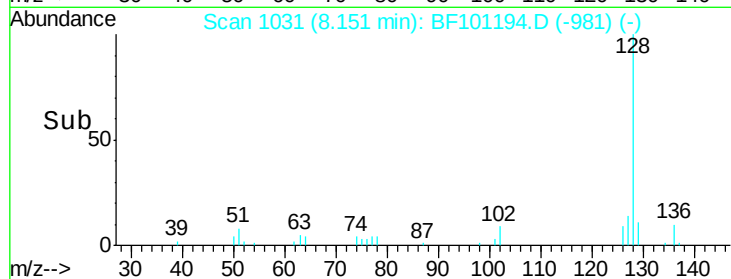
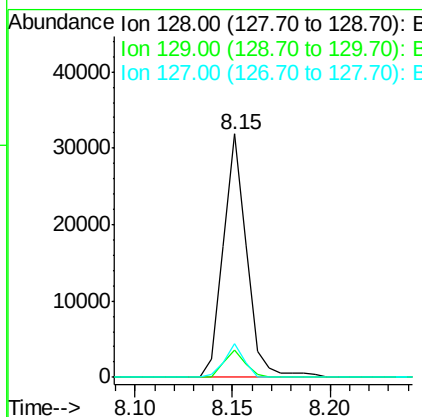
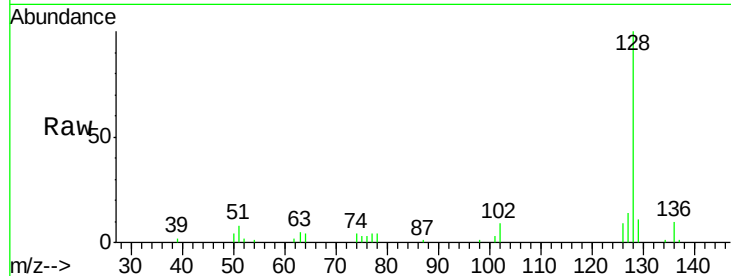
#31
Naphthalene
Concen: 3.293 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Instrument :
BNA_F
ClientSampleId :
BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.6	10.9	16.3

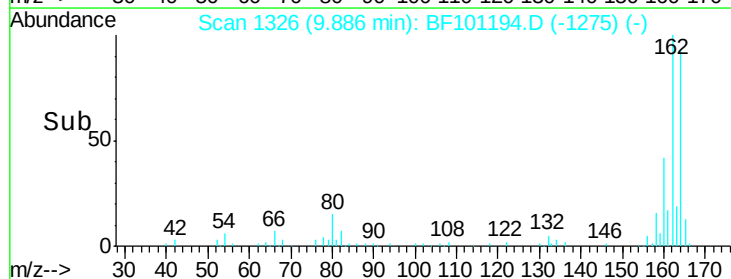
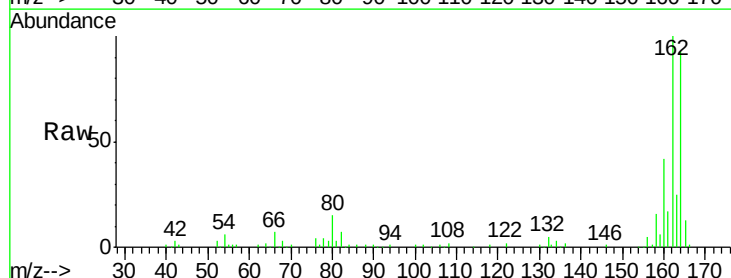
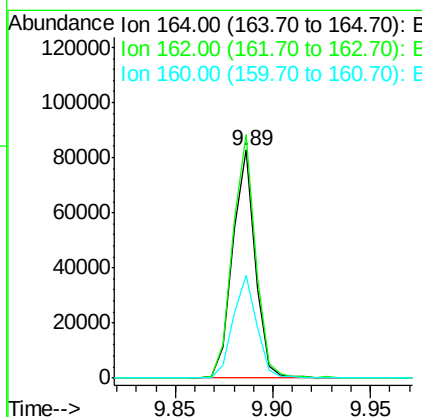
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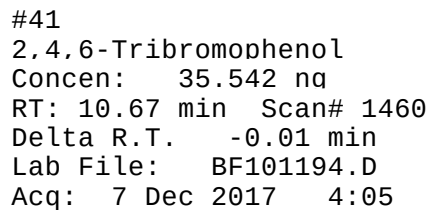
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.0	86.1	129.1
160	45.2	38.3	57.5



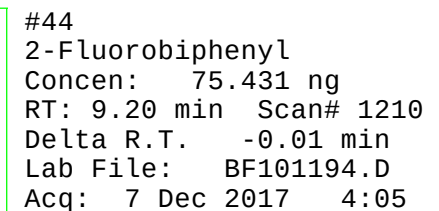
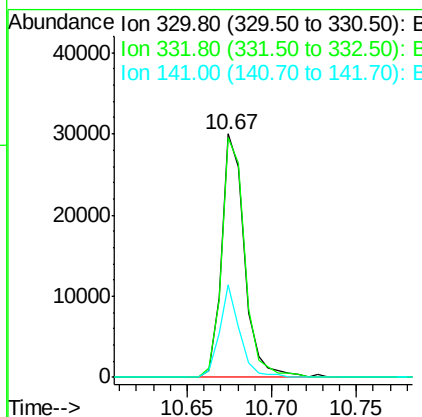


Instrument :
BNA_F
ClientSampleId :
BART-2-E(7-8)

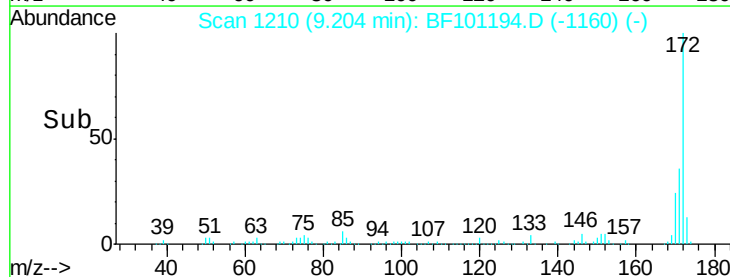
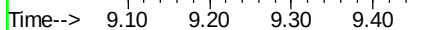
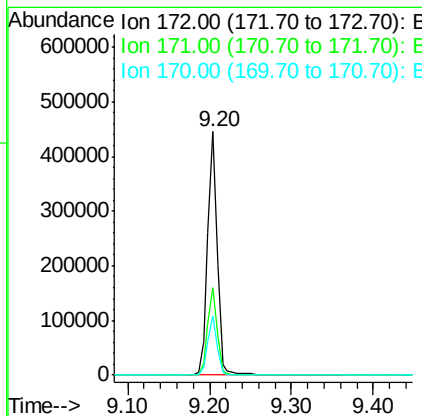
Manual Integrations

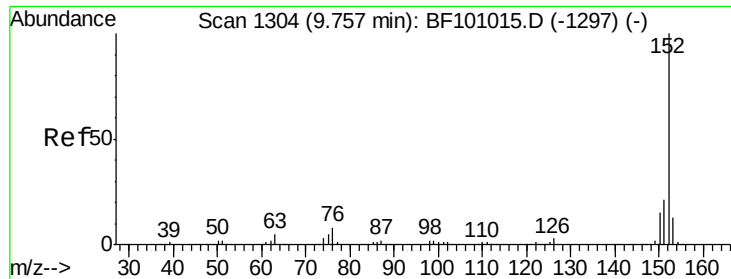
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Tot	Ion:330	Resp:	28296
Ion	Ratio	Lower	Upper
330	100		
332	99.5	77.0	115.6
141	33.9	29.9	44.9



Tgt	Ion:172	Resp:	365374
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.2	19.6	29.4





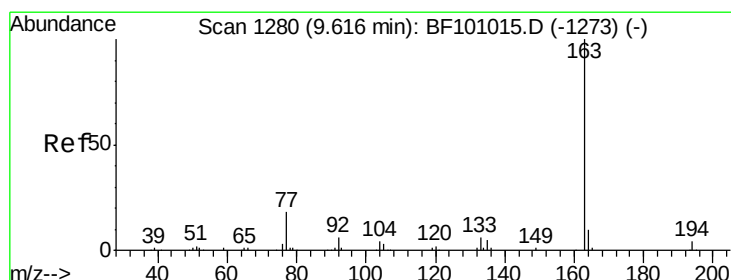
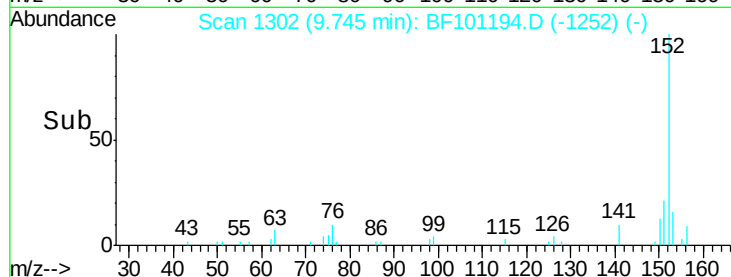
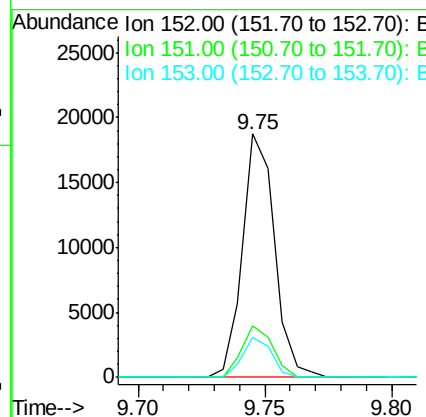
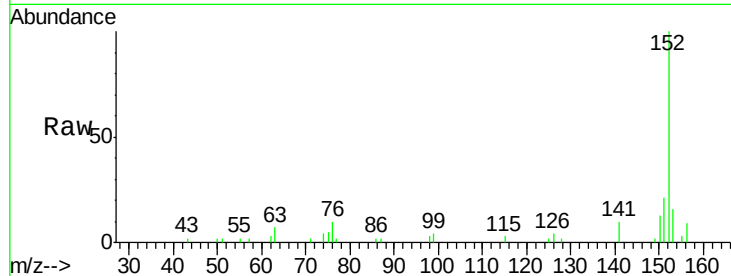
#48
Acenaphthylene
Concen: 2.324 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Instrument :
BNA_F
ClientSampleId :
BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	16.2	10.7	16.1

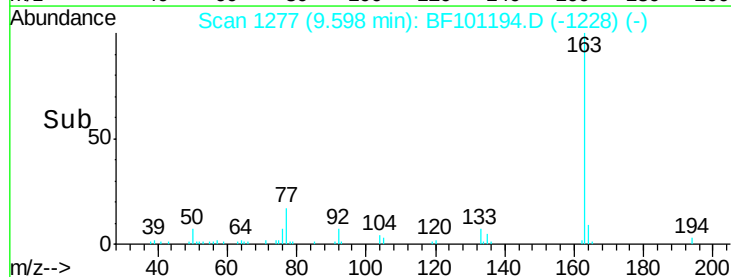
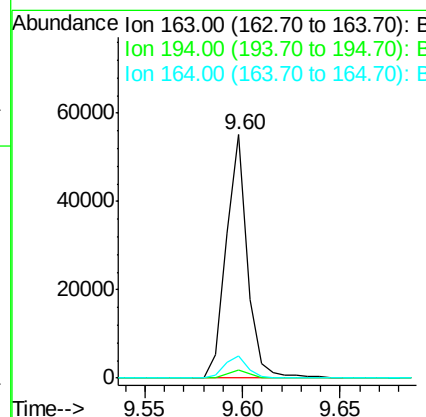
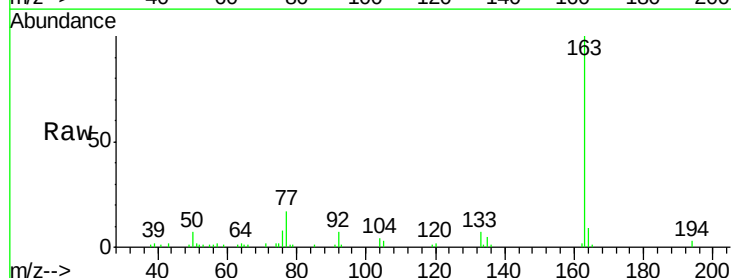
Manual Integrations
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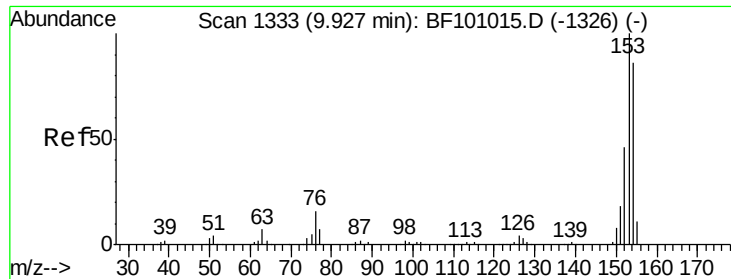
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#49
Dimethylphthalate
Concen: 7.813 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	9.1	8.2	12.2





#51

Acenaphthene

Concen: 4.472 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF101194.D

Acq: 7 Dec 2017 4:05

Instrument :

BNA_F

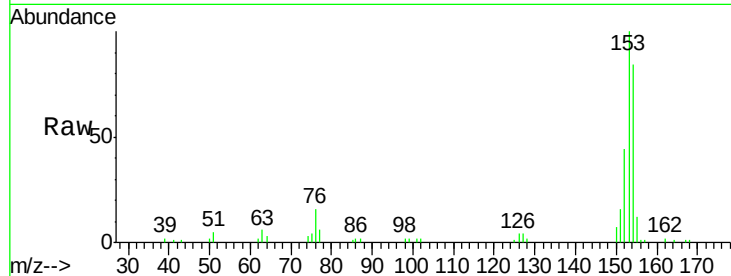
ClientSampleId :

BART-2-E(7-8)

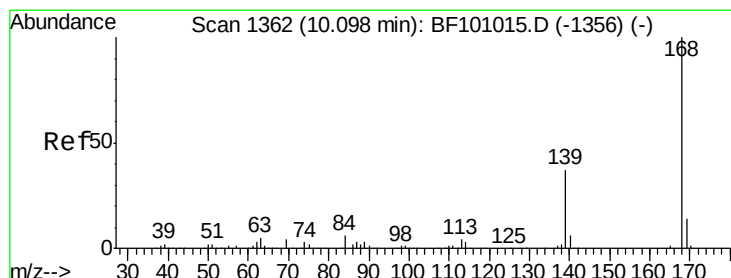
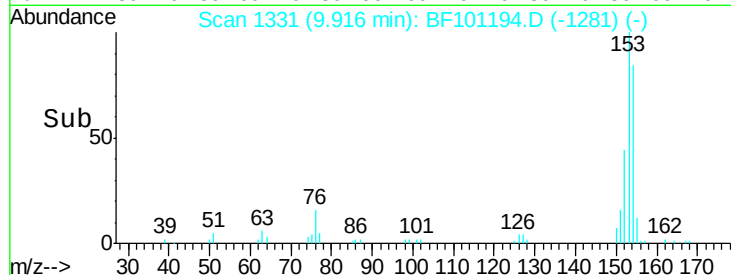
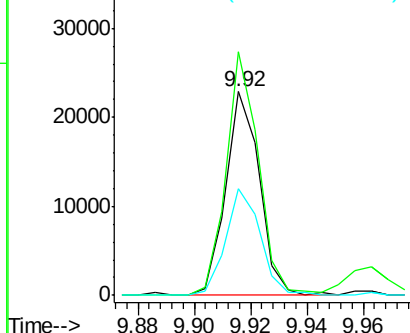
Tot Ion:	154	Resp:	18976
Ion Ratio	Lower	Upper	
154	100		
153	119.7	91.2	136.8
152	52.6	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.891 ng

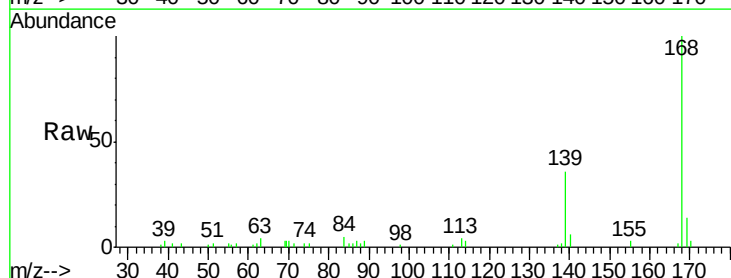
RT: 10.09 min Scan# 1361

Delta R.T. 0.00 min

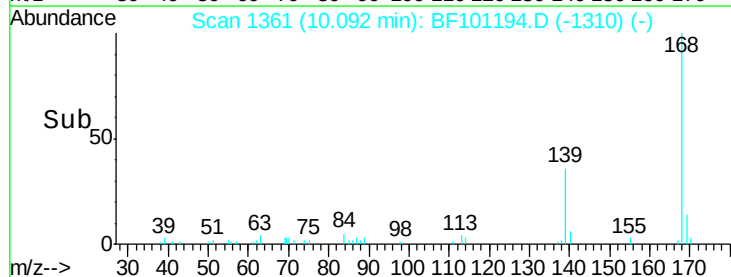
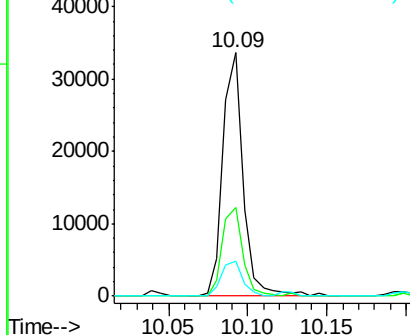
Lab File: BF101194.D

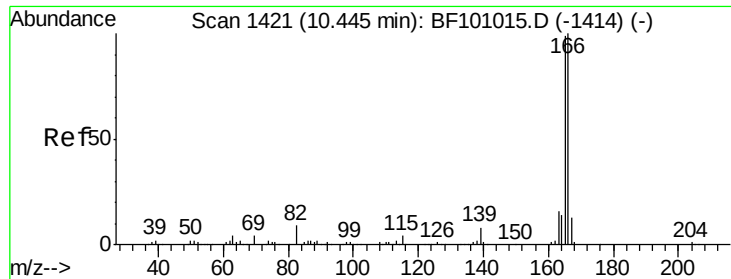
Acq: 7 Dec 2017 4:05

Tgt Ion:	168	Resp:	29909
Ion Ratio	Lower	Upper	
168	100		
139	36.3	30.1	45.1
169	14.2	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





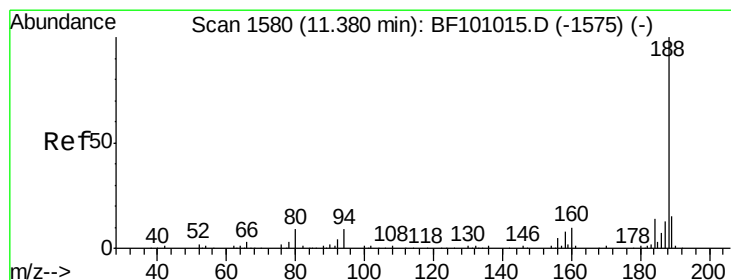
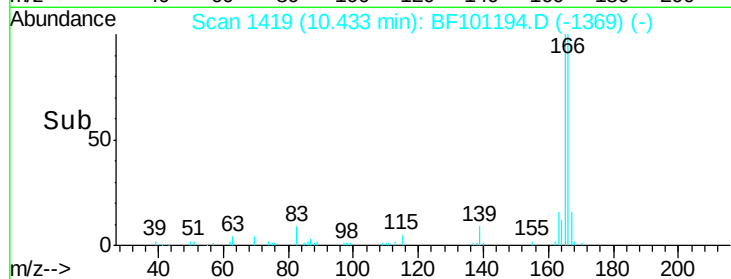
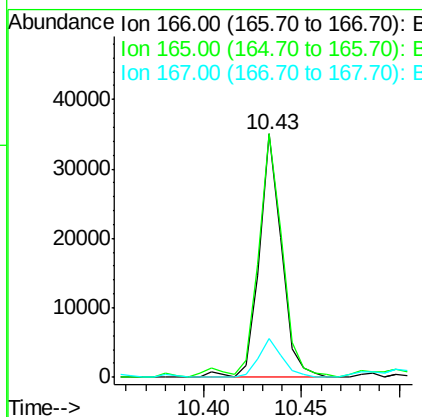
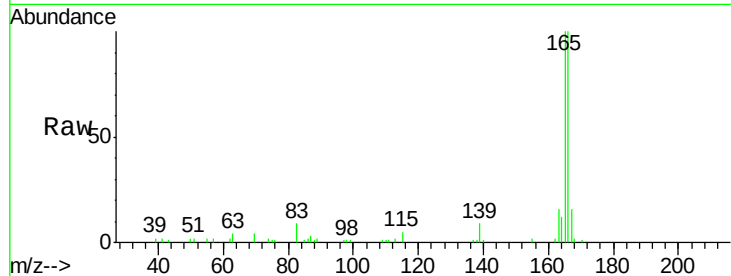
#57
Fluorene
 Concen: 5.590 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF101194.D
 Acq: 7 Dec 2017 4:05

Instrument :
 BNA_F
 ClientSampleId :
 BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.8	119.8
167	15.7	10.6	16.0

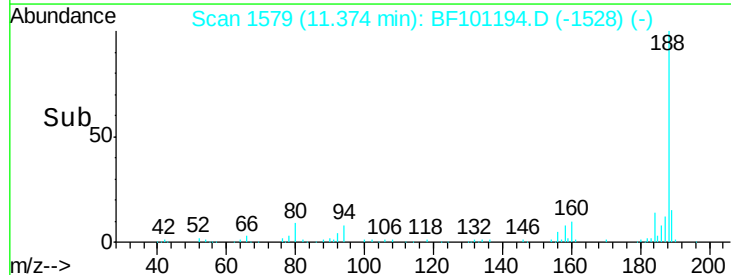
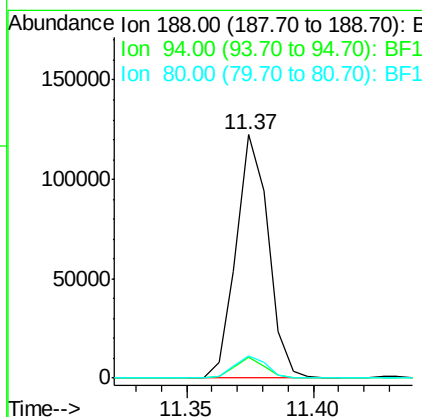
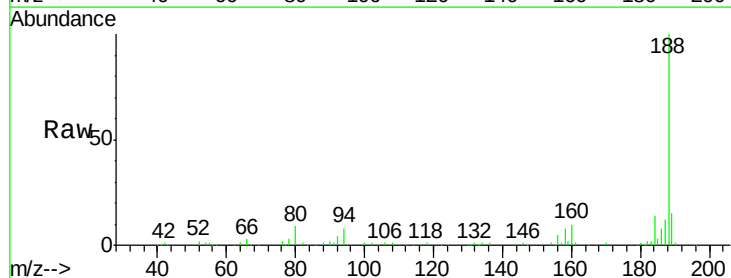
Manual Integrations
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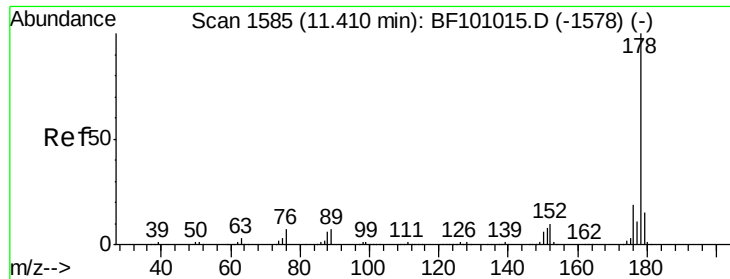
Sohil
 12/7/2017 11:36:21 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF101194.D
 Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	9.2	9.2	13.8





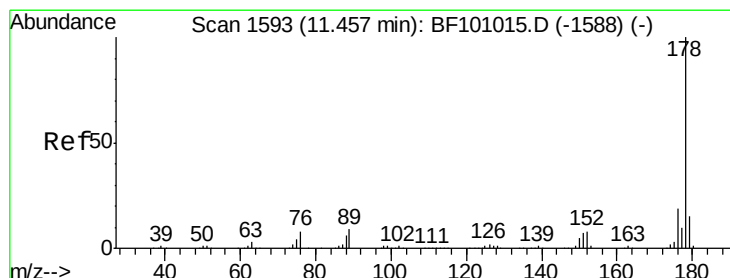
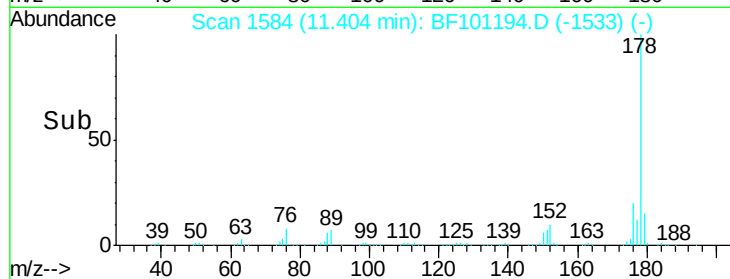
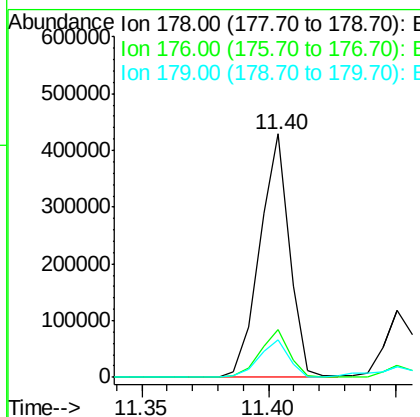
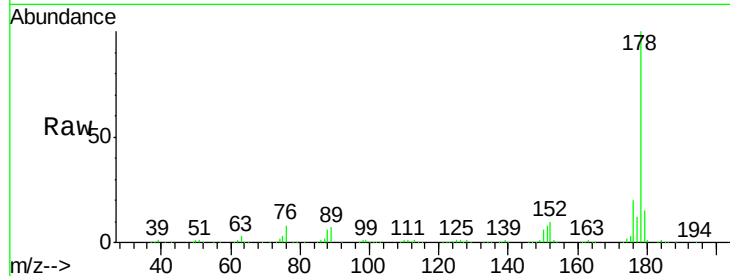
#70
Phenanthrene
Concen: 59.071 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Instrument :
BNA_F
ClientSampleId :
BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.5	13.0	19.6

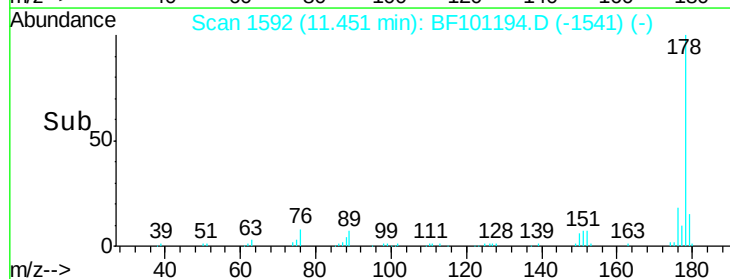
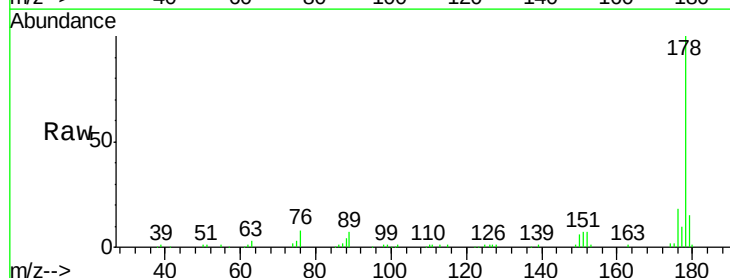
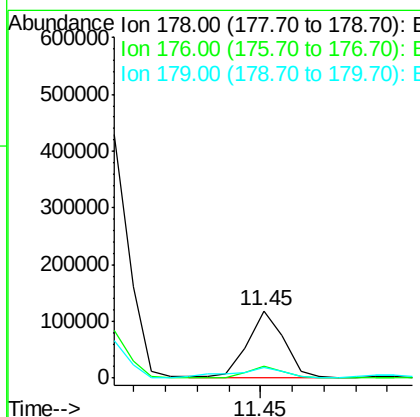
Manual Integrations
APPROVED

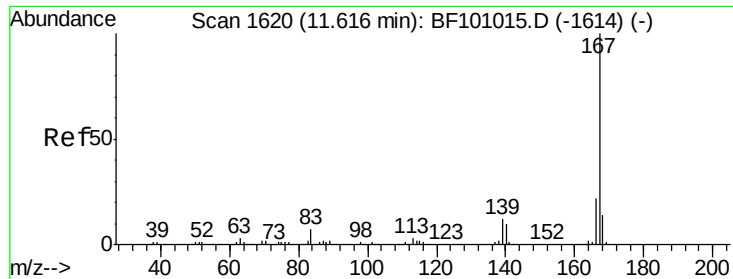
Sohil
12/7/2017 11:36:21 AM



#71
Anthracene
Concen: 15.551 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.2	12.6	19.0





#72

Carbazole

Concen: 5.888 ng

RT: 11.61 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BF101194.D

Acq: 7 Dec 2017 4:05

Instrument :

BNA_F

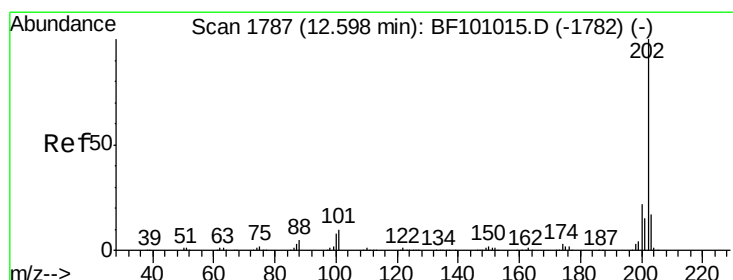
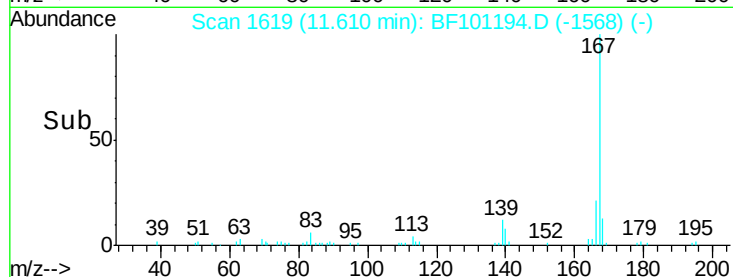
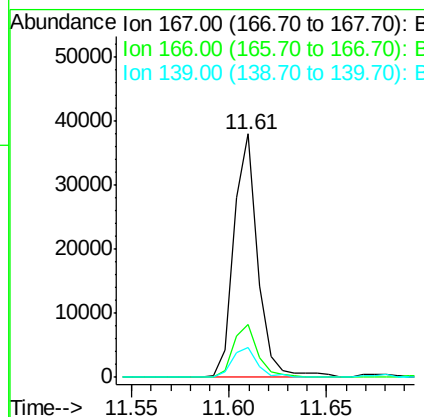
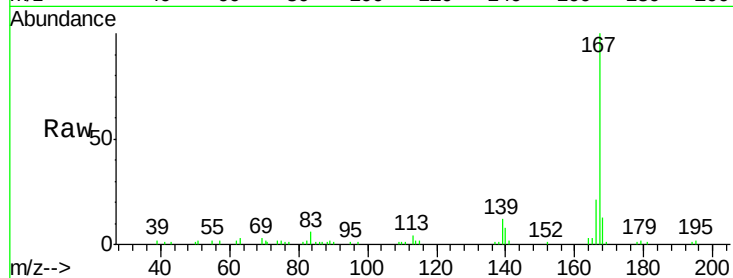
ClientSampleId :

BART-2-E(7-8)

Tot Ion:	167	Resp:	32378
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.6	26.4
139	12.1	10.9	16.3

Manual Integrations
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Sohil
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#74

Fluoranthene

Concen: 55.831 ng

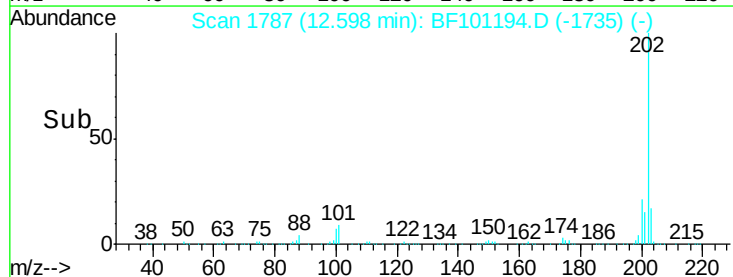
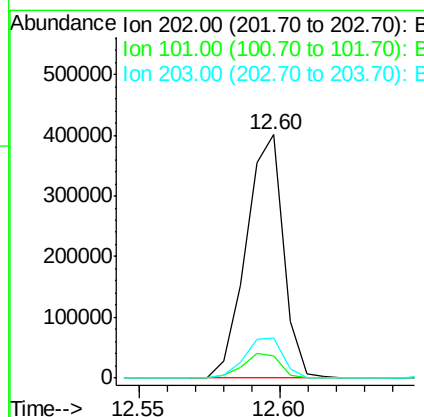
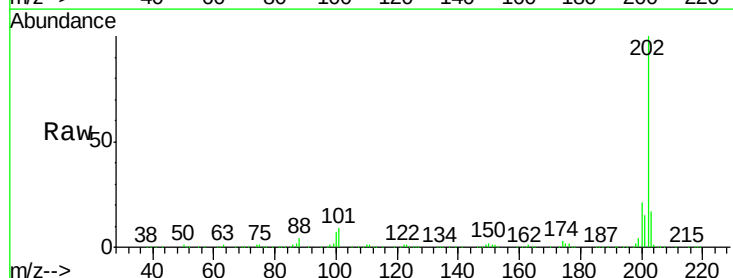
RT: 12.60 min Scan# 1787

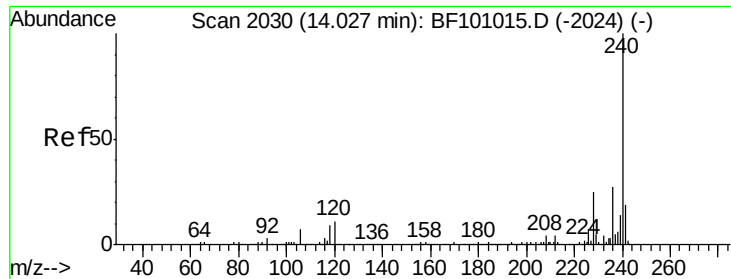
Delta R.T. 0.01 min

Lab File: BF101194.D

Acq: 7 Dec 2017 4:05

Tgt Ion:	202	Resp:	368013
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	34.1
203	16.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF101194.D

Acq: 7 Dec 2017 4:05

Instrument :

BNA_F

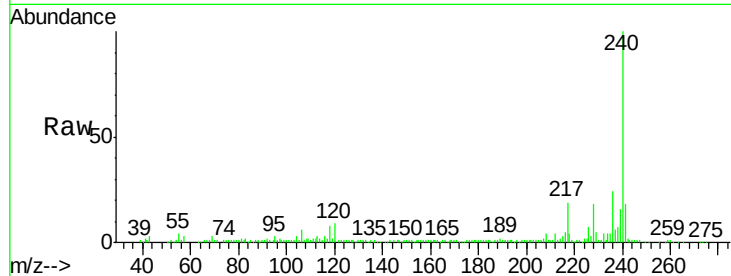
ClientSampleId :

BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	24.2	20.7	31.1

Manual Integrations
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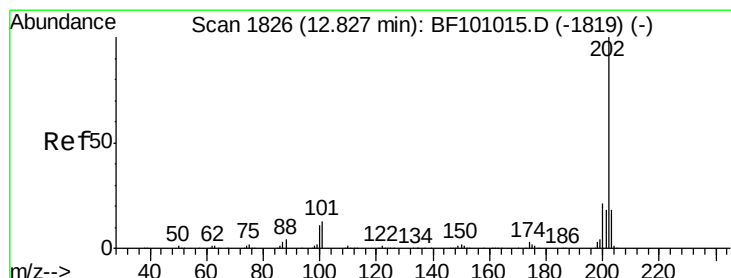
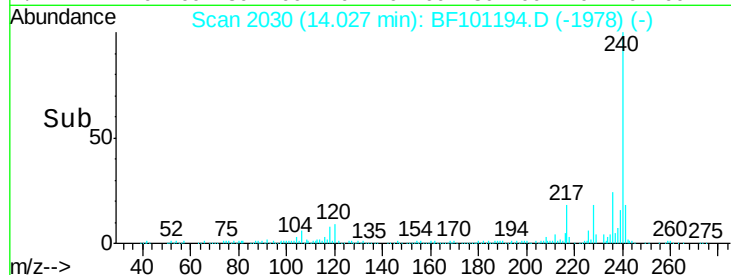
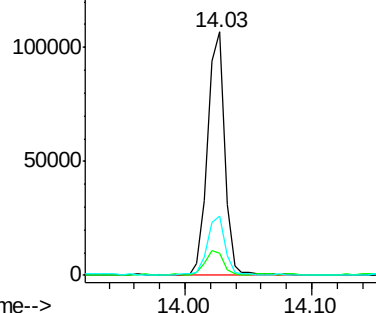
Sohil
12/7/2017 11:36:21 AM



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

Pyrene

Concen: 46.713 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF101194.D

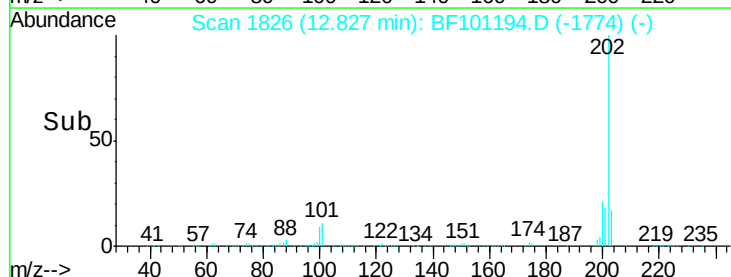
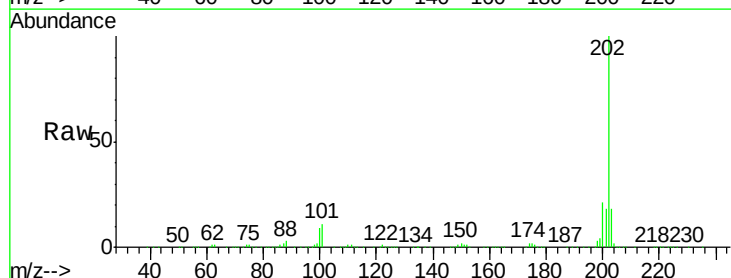
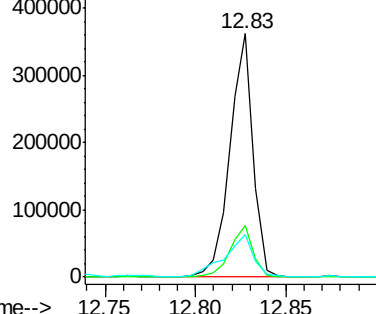
Acq: 7 Dec 2017 4:05

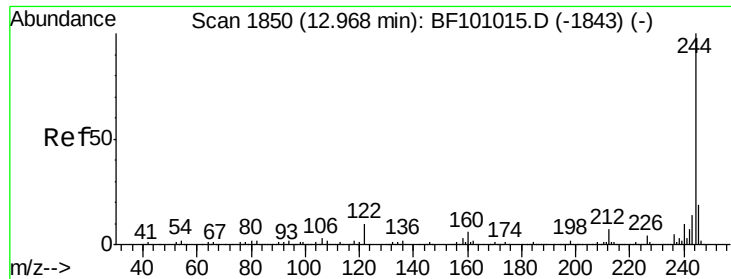
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





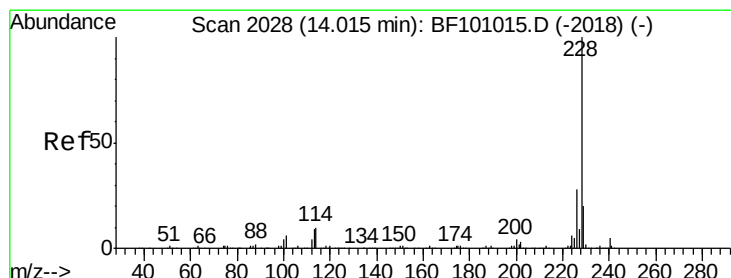
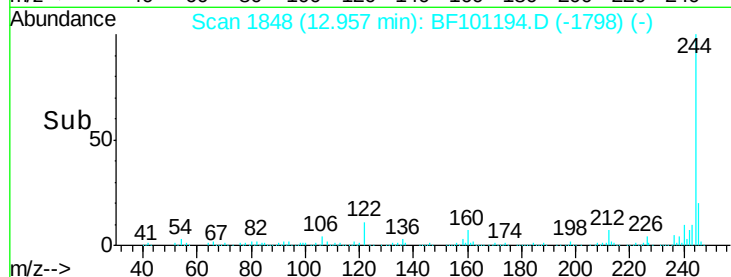
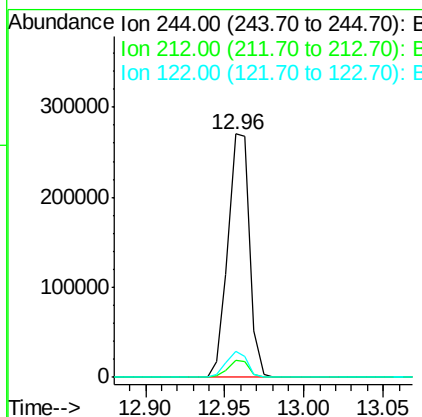
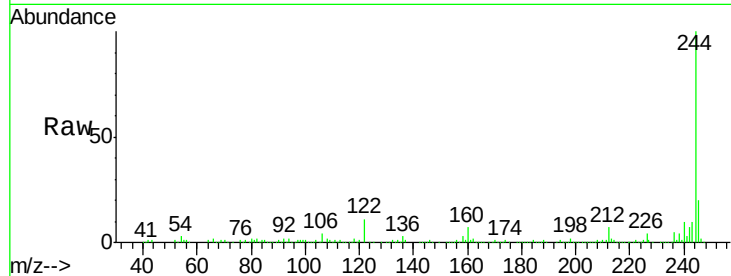
#78
 Terphenyl-d14
 Concen: 57.030 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101194.D
 Acq: 7 Dec 2017 4:05

Instrument :
 BNA_F
 ClientSampleId :
 BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	10.8	11.0	16.4

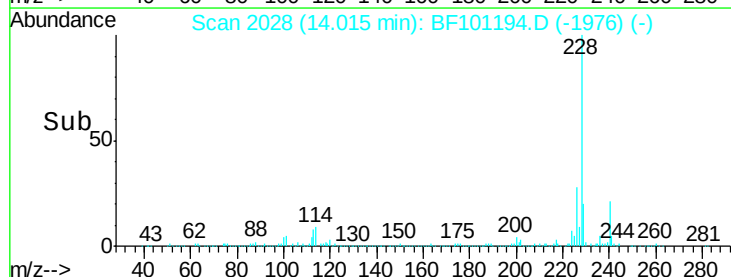
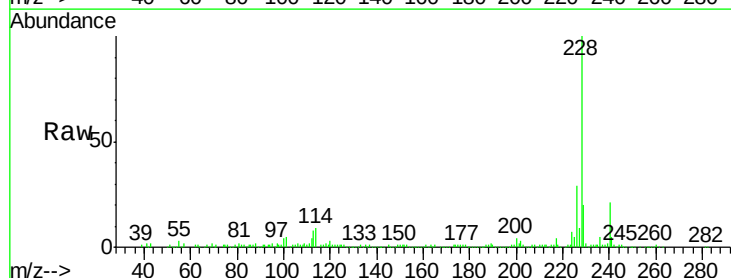
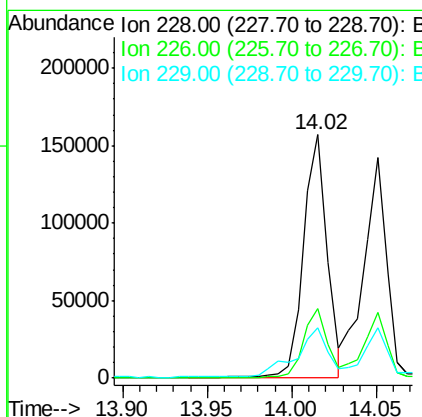
Manual Integrations
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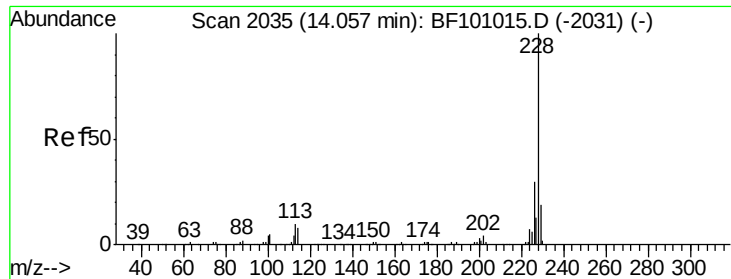
Sohil
 12/7/2017 11:36:21 AM



#80
 Benzo(a)anthracene
 Concen: 24.217 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: BF101194.D
 Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	20.5	15.8	23.6





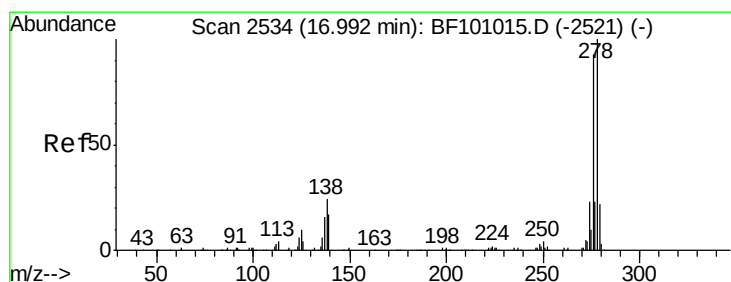
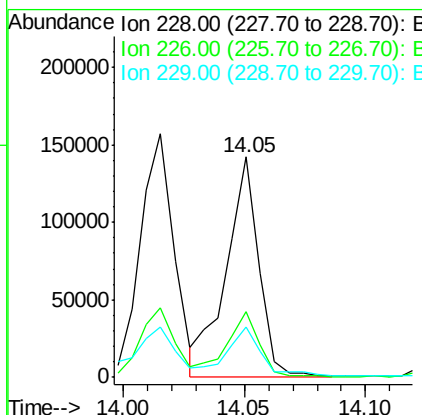
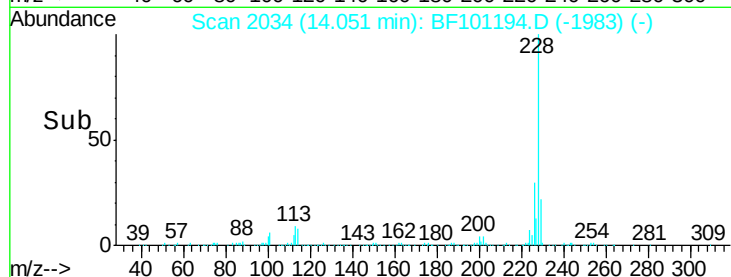
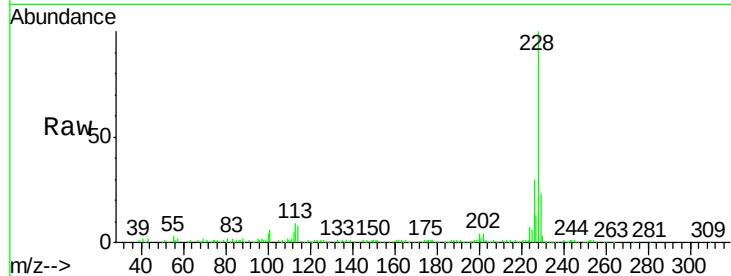
#82
Chrysene
Concen: 23.414 ng m
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Instrument :
BNA_F
ClientSampleId :
BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.7	16.2	24.4

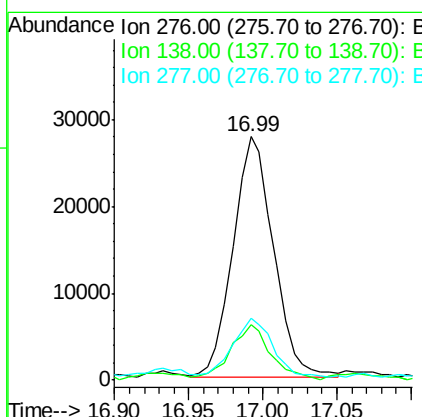
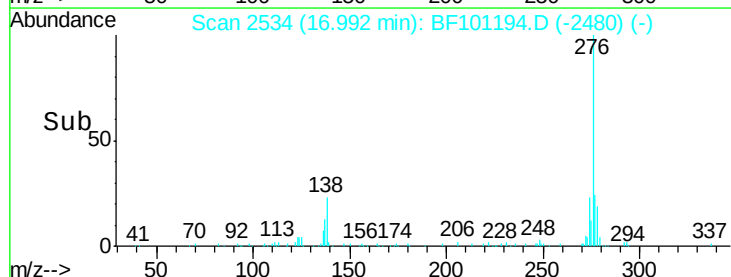
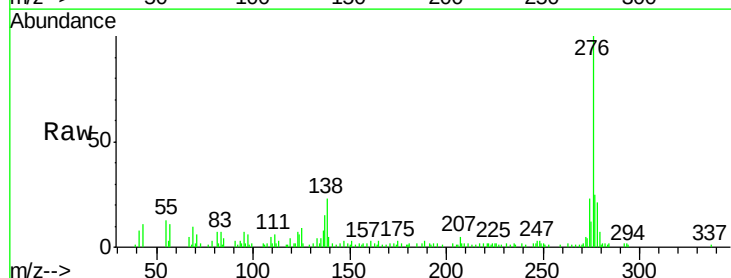
Manual Integrations
APPROVED

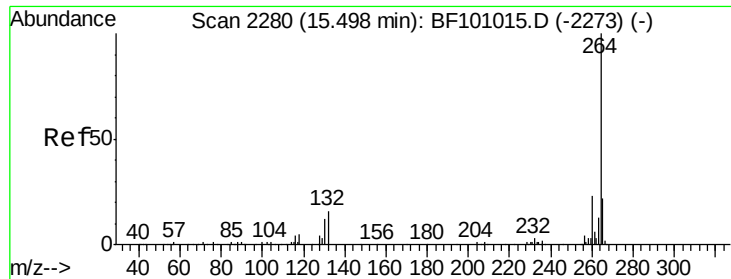
Sohil
12/7/2017 11:36:21 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.281 ng m
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.8	25.0	37.6#
277	1.9	20.1	30.1#





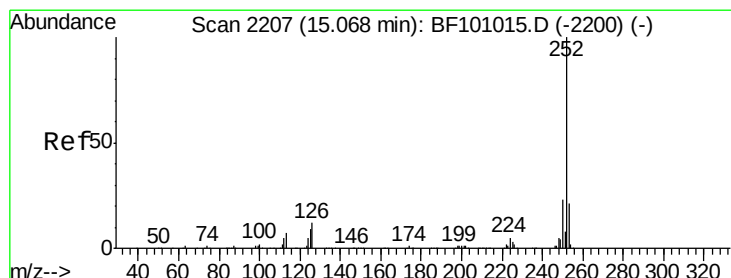
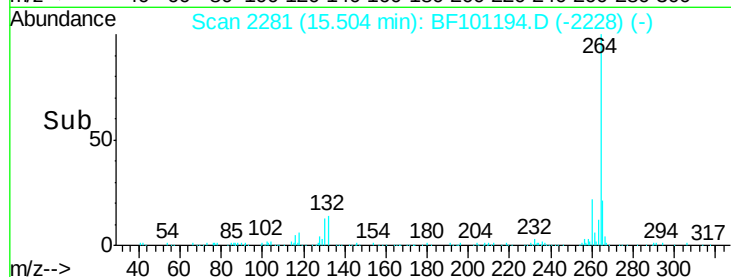
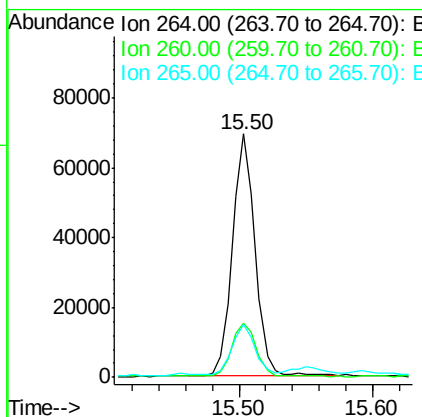
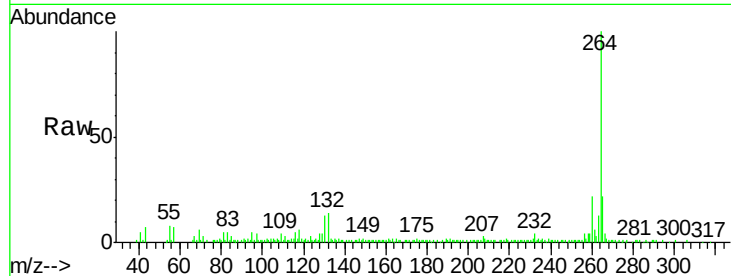
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.01 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Instrument :
BNA_F
ClientSampleId :
BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	21.7	17.5	26.3

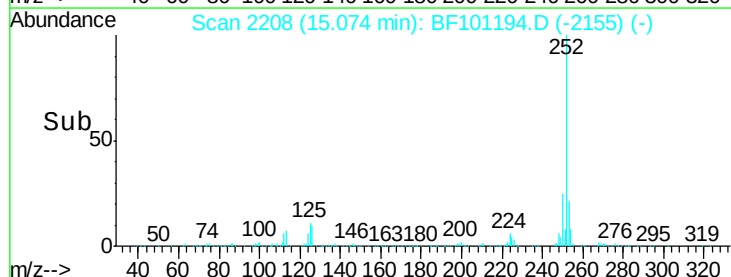
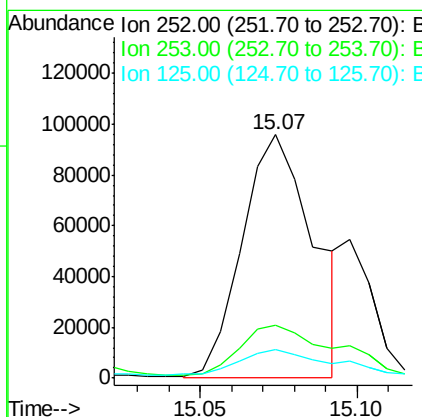
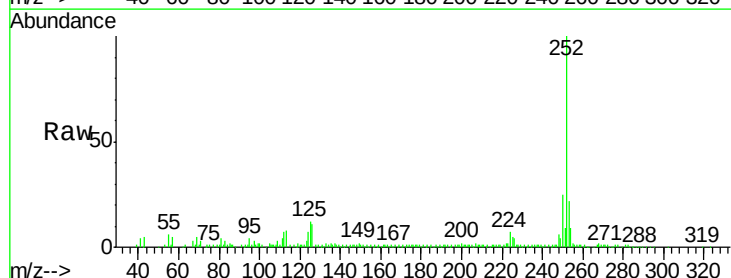
Manual Integrations
APPROVED

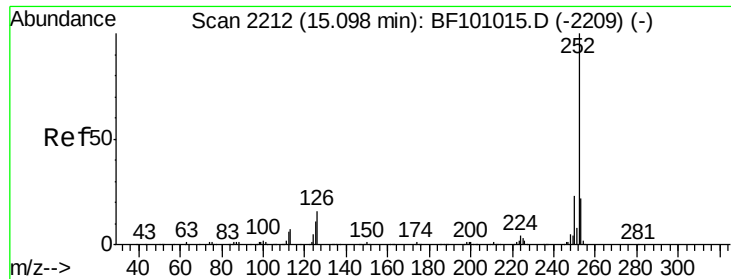
Sohil
12/7/2017 11:36:21 AM



#87
Benzo(b)fluoranthene
Concen: 30.640 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	11.7	9.0	13.6





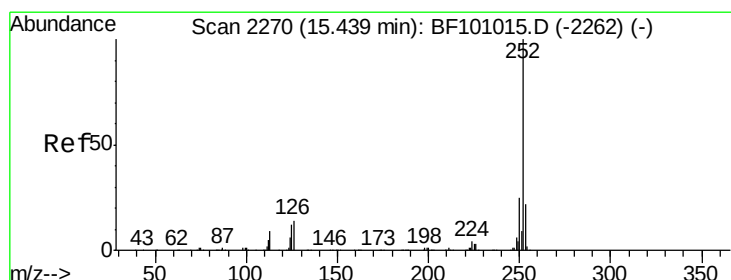
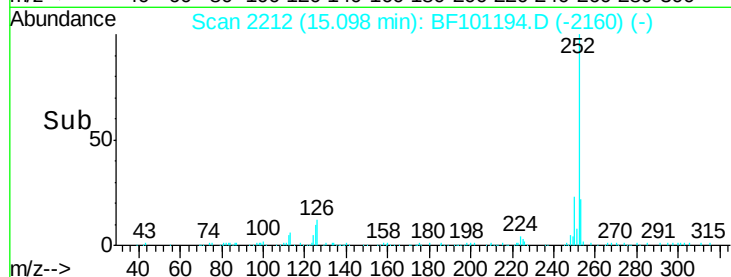
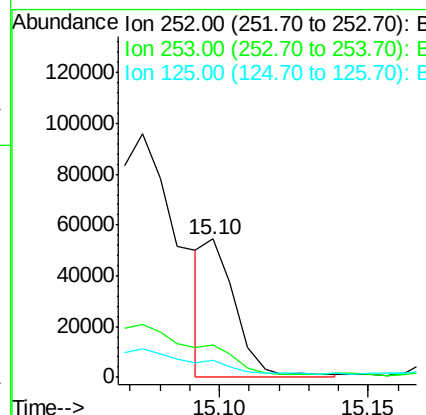
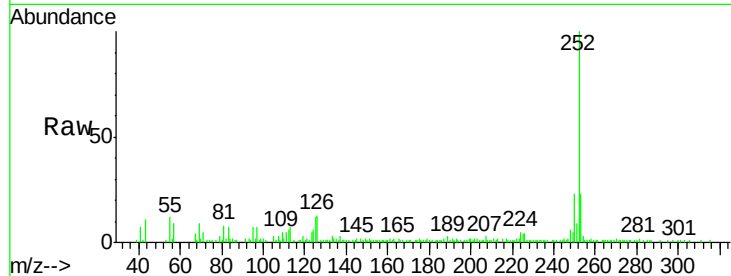
#88
Benzo(k)fluoranthene
Concen: 8.111 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Instrument :
BNA_F
ClientSampleId :
BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.2	10.2	15.2

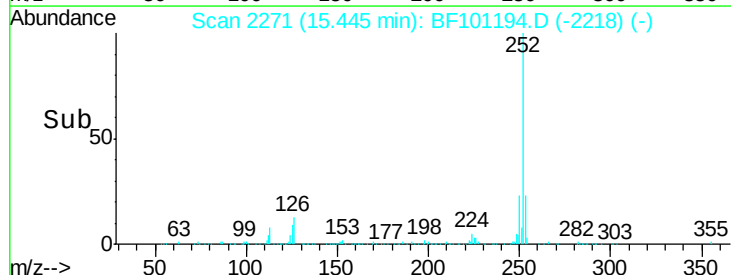
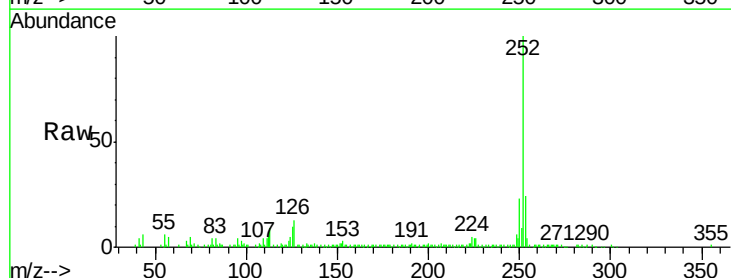
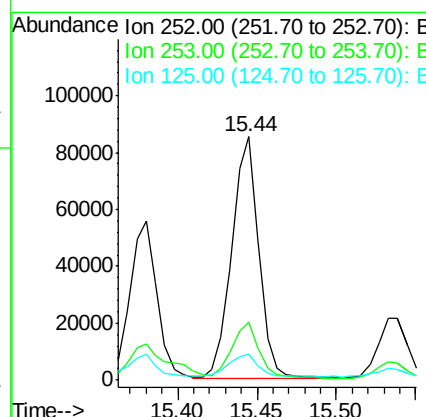
Manual Integrations
APPROVED

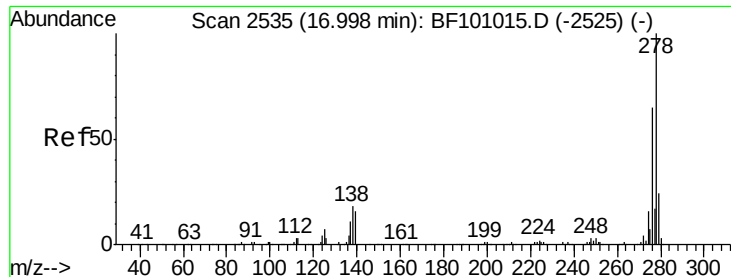
Sohil
12/7/2017 11:36:21 AM



#89
Benzo(a)pyrene
Concen: 22.418 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	10.4	9.8	14.6





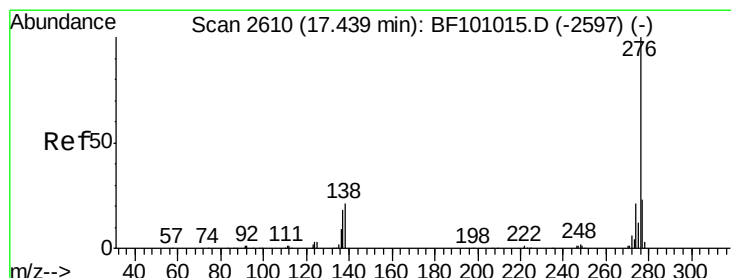
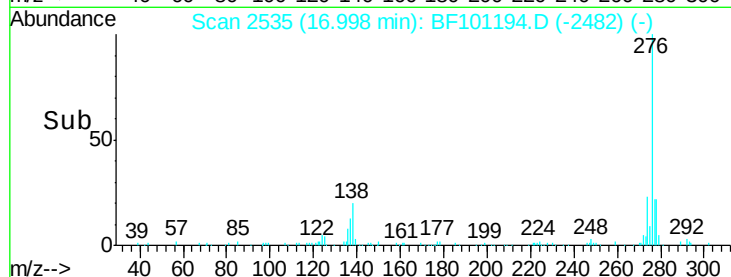
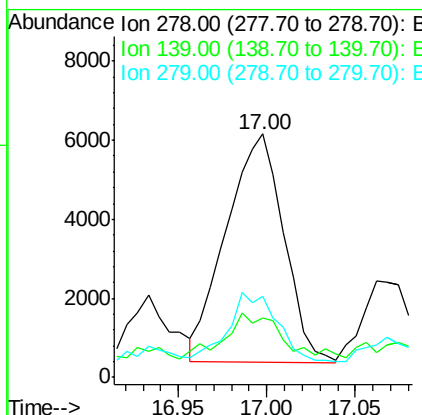
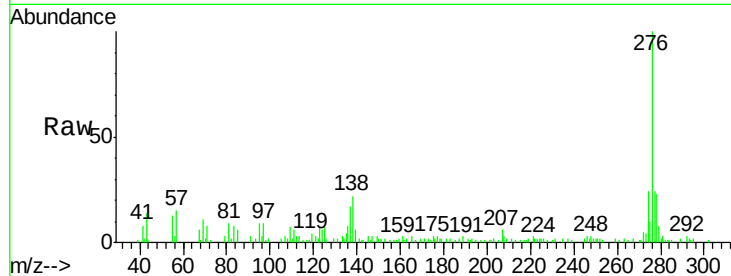
#90
Dibenzo(a,h)anthracene
Concen: 3.284 ng m
RT: 17.00 min Scan# 2535
Delta R.T. 0.01 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Instrument :
BNA_F
ClientSampleId :
BART-2-E(7-8)

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.5	15.9	23.9#
279	33.3	19.0	28.4#

Manual Integrations
APPROVED

Sohil
12/7/2017 11:36:21 AM



#91
Benzo(g,h,i)perylene
Concen: 13.798 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.02 min
Lab File: BF101194.D
Acq: 7 Dec 2017 4:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	17.9	21.8	32.8#

