

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100827.D
 Acq On : 22 Nov 2017 15:33
 Operator : SJ/JU
 Sample : I6305-15 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-C

Manual Integrations
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Quant Time: Nov 27 10:49:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	72065	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	265399	20.00	ng	-0.01
38) Acenaphthene-d10	9.91	164	109662	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	171003	20.00	ng	0.00
75) Chrysene-d12	14.04	240	151812	20.00	ng	0.00
86) Perylene-d12	15.52	264	126925	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	219683	48.87	ng	0.00
7) Phenol-d6	6.50	99	263915	47.61	ng	-0.01
23) Nitrobenzene-d5	7.43	82	152331	37.95	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	52834	47.28	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	277323	38.51	ng	-0.01
78) Terphenyl-d14	12.98	244	209313	31.68	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	12564	2.159	ng	88
31) Naphthalene	8.17	128	95912	7.503	ng	99
32) Benzoic acid	7.93	122	-2m	9.370	ng	
37) 2-Methylnaphthalene	8.87	142	47963	5.652	ng	98
48) Acenaphthylene	9.77	152	62202	5.455	ng	99
51) Acenaphthene	9.94	154	65038	9.378	ng	97
54) Dibenzofuran	10.12	168	93386	9.608	ng	96
57) Fluorene	10.46	166	150364	21.117	ng	100
70) Phenanthrene	11.43	178	821746	91.269	ng	99
71) Anthracene	11.47	178	252343	27.625	ng	99
72) Carbazole	11.63	167	61061	7.245	ng	99
74) Fluoranthene	12.62	202	1023347	107.246	ng	96
77) Pvrene	12.85	202	927546	85.711	ng	100
80) Benzo(a)anthracene	14.03	228	502711m	54.989	ng	
82) Chrysene	14.07	228	469761m	53.063	ng	
85) Indeno(1,2,3-cd)pyrene	17.00	276	164849m	23.022	ng	
87) Benzo(b)fluoranthene	15.09	252	474726m	63.132	ng	
88) Benzo(k)fluoranthene	15.12	252	194847m	27.424	ng	
89) Benzo(a)pvrene	15.46	252	344416	51.664	ng	96
90) Dibenzo(a,h)anthracene	17.01	278	44737m	8.206	ng	
91) Benzo(g,h,i)perylene	17.46	276	149759	28.062	ng	# 92

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



#1

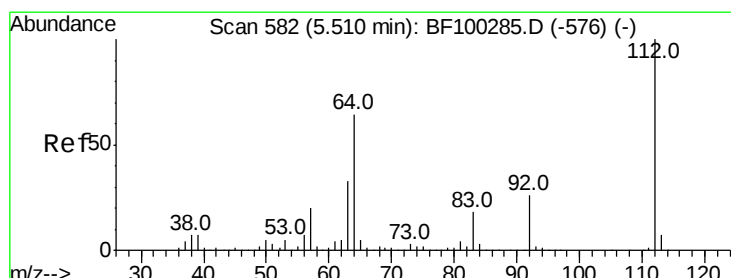
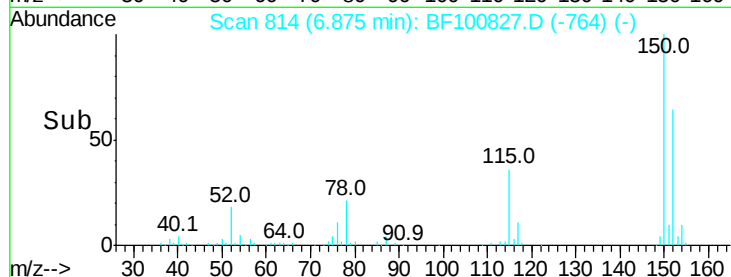
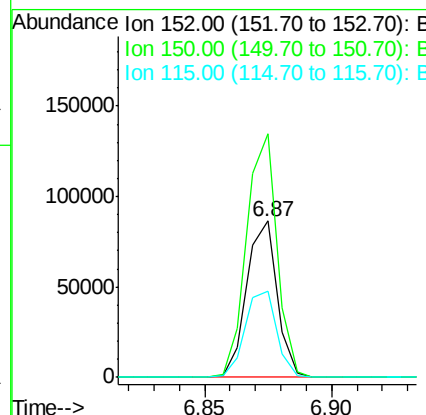
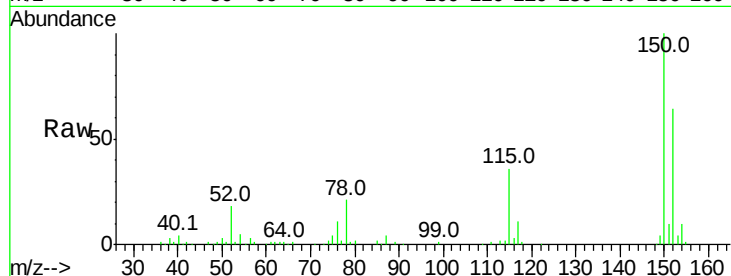
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	55.3	50.1	75.1

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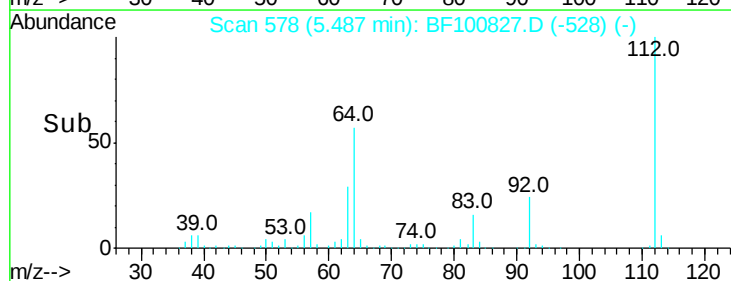
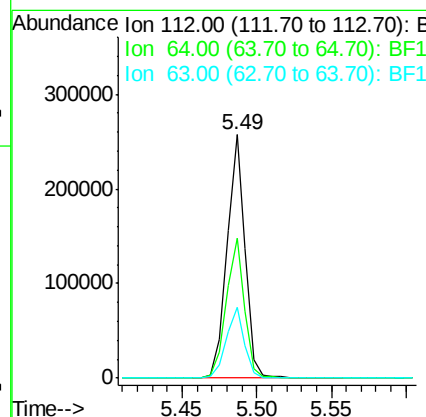
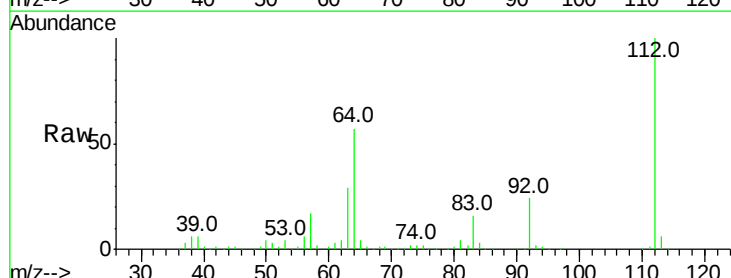
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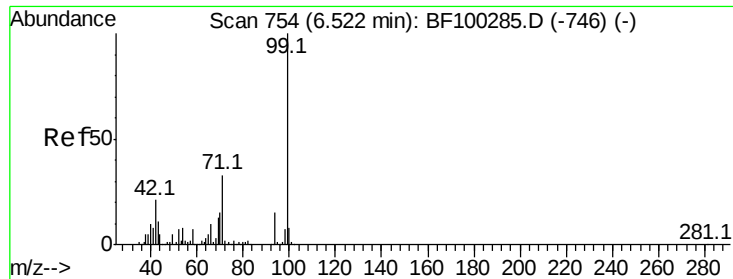


#5

2-Fluorophenol
Concen: 48.865 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	29.3	23.7	35.5





#7

Phenol-d6

Concen: 47.606 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Instrument :

BNA_F

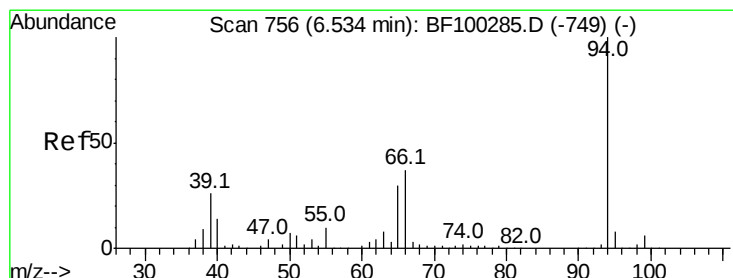
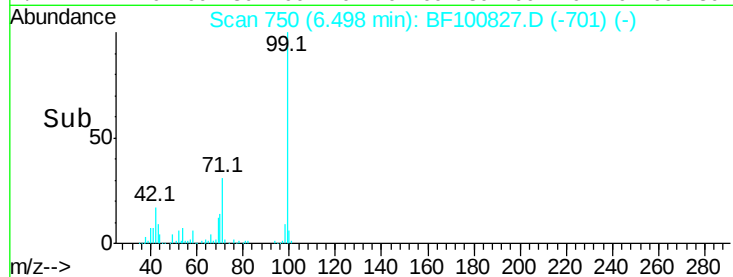
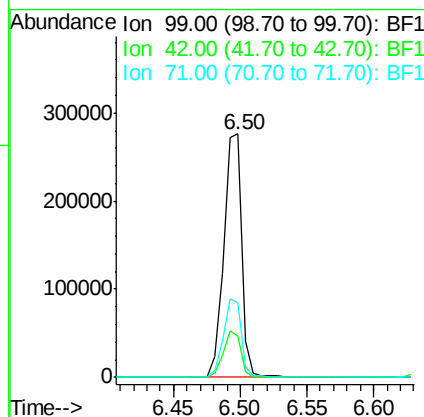
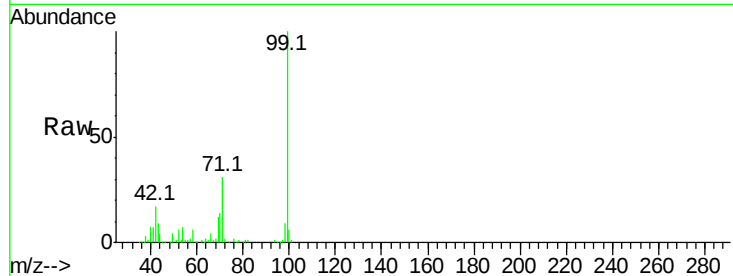
ClientSampleId :

PL-02-112017-C

Tot Ion:	99	Resp:	263915
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.5	21.7
71	30.7	25.4	38.0

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#10

Phenol

Concen: 2.159 ng

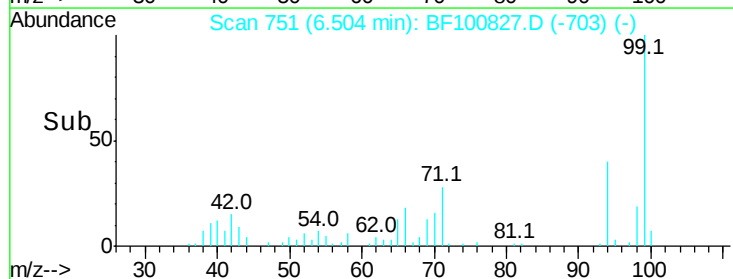
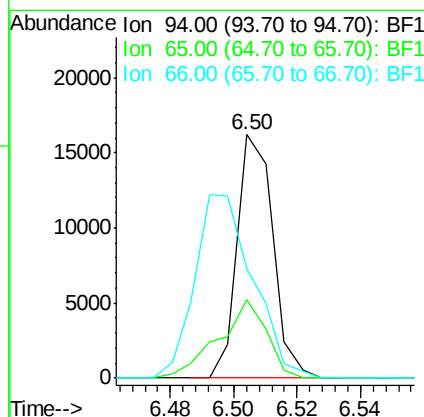
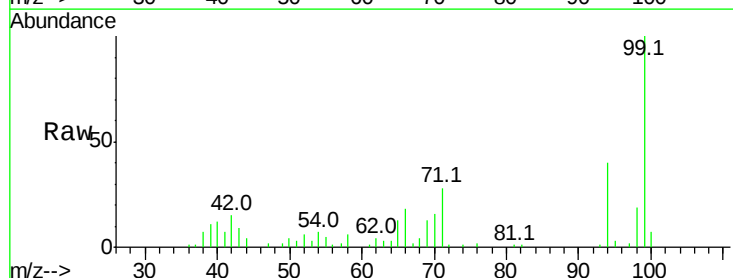
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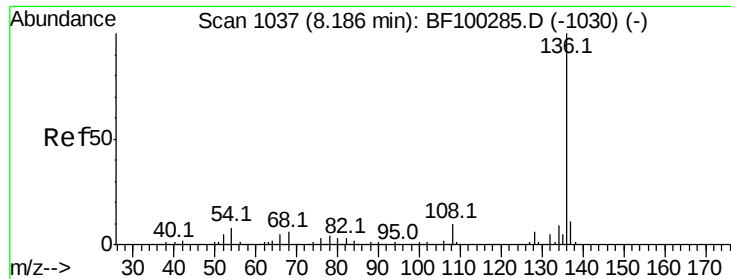
Delta R.T. -0.02 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Tgt Ion:	94	Resp:	12564
Ion Ratio	Lower	Upper	
94	100		
65	32.1	7.9	47.9
66	45.0	16.2	56.2





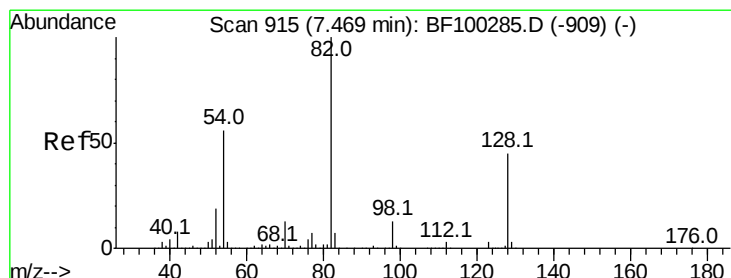
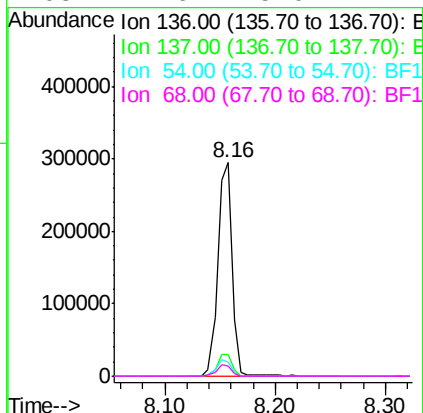
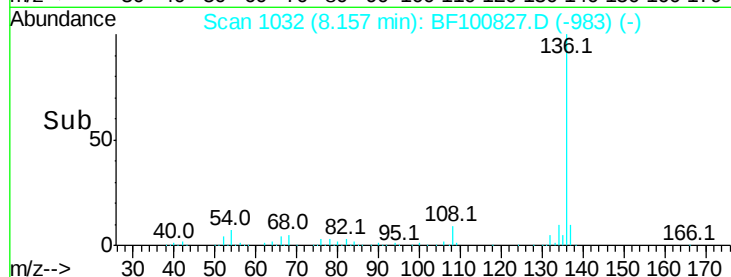
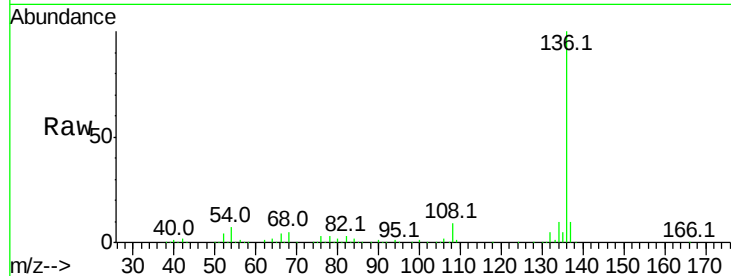
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-C

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.9	6.6	9.8
68	4.6	5.0	7.4#

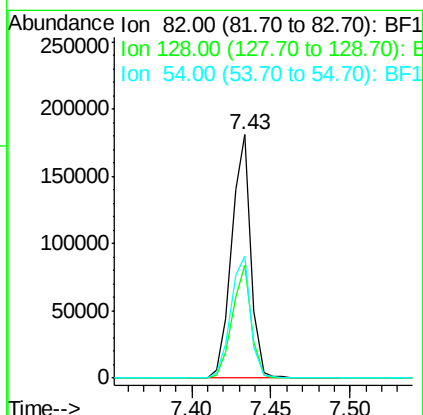
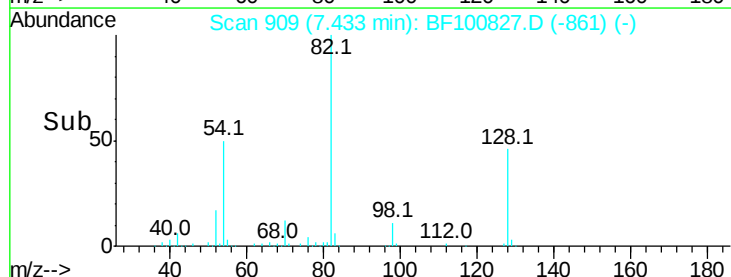
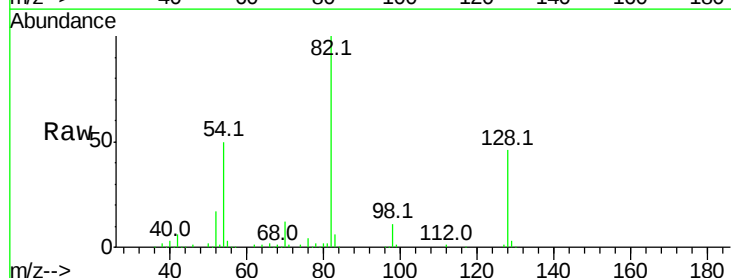
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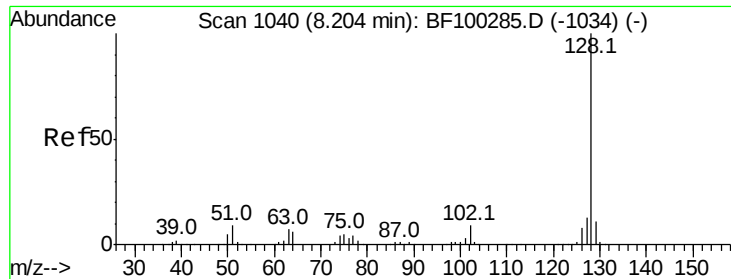
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#23
Nitrobenzene-d5
Concen: 37.947 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.4	36.1	54.1
54	50.4	41.4	62.2





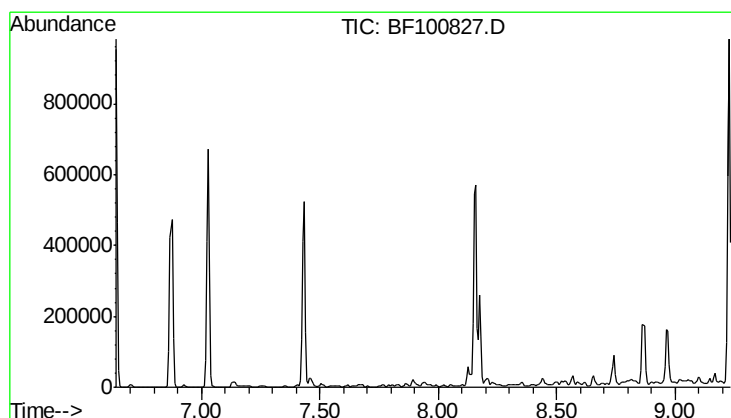
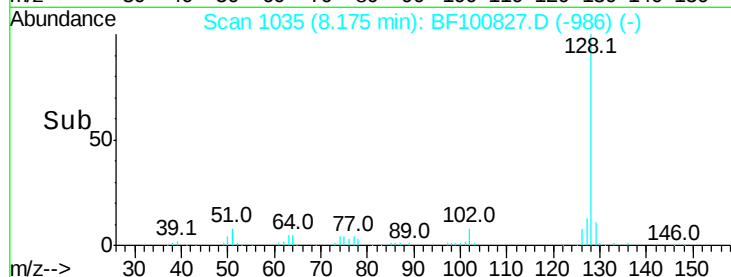
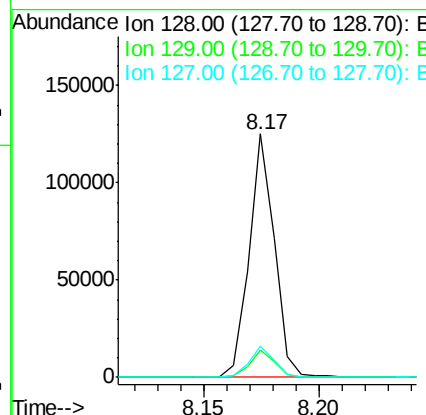
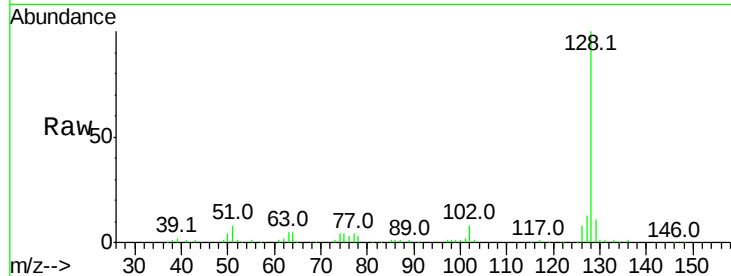
#31
Naphthalene
Concen: 7.503 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-C

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.9	10.9	16.3

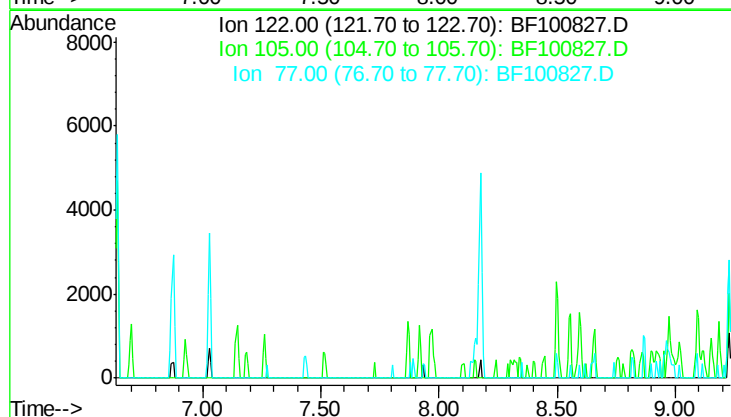
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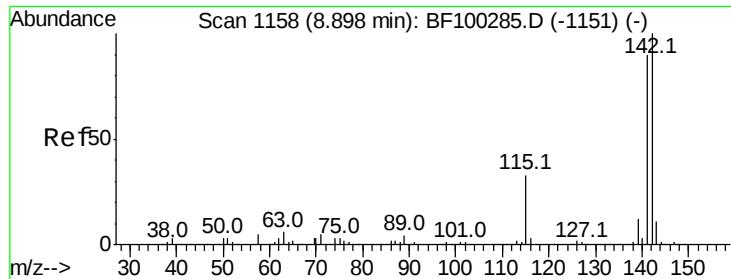
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#32
Benzoic acid
Concen: 9.370 ng
Expected RT: 7.93 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Tgt Ion	Exp Ratio
122	100
105	121.1
77	90.7





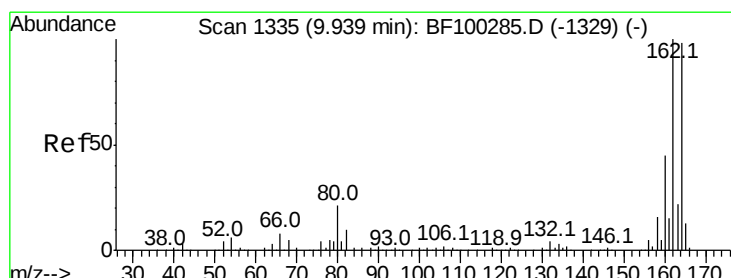
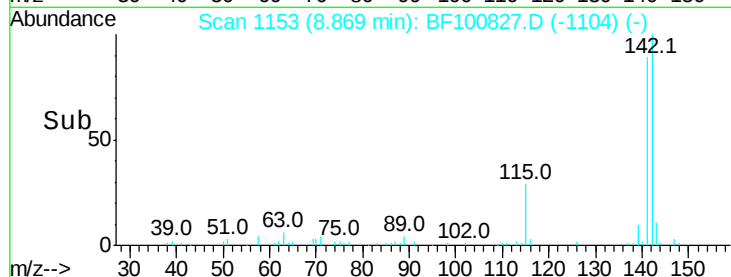
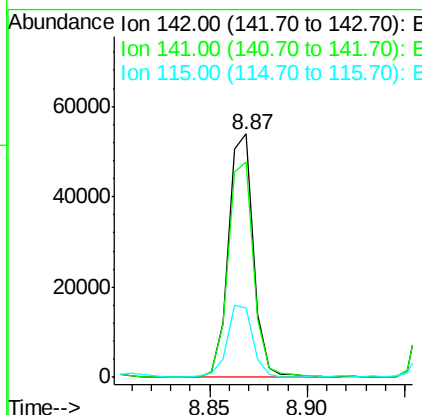
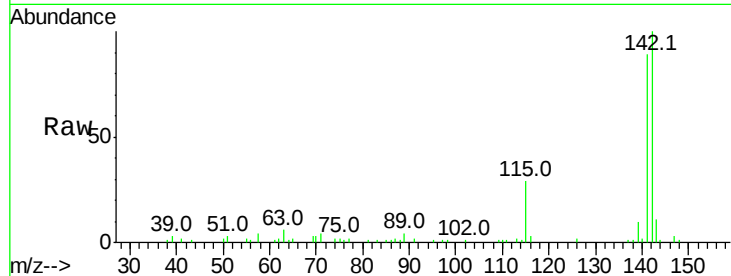
#37
2-Methylnaphthalene
Concen: 5.652 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Instrument :
BNA_F
ClientSampled :
PL-02-112017-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.8	106.2
115	28.5	26.1	39.1

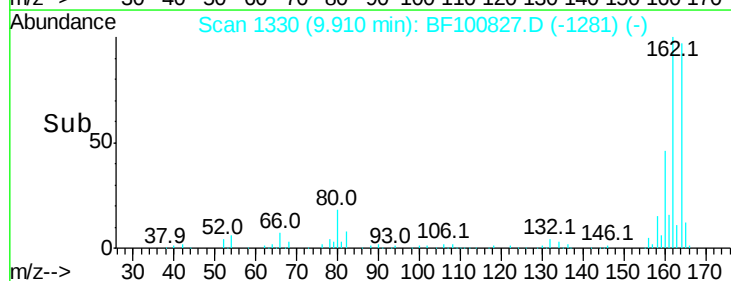
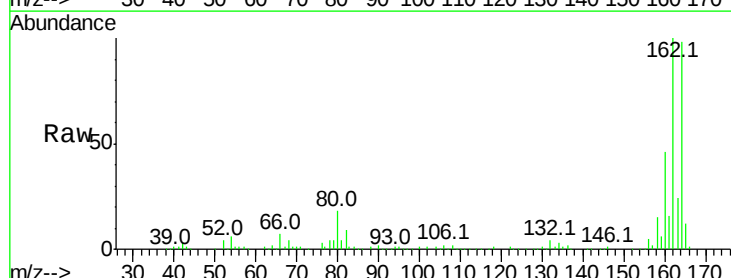
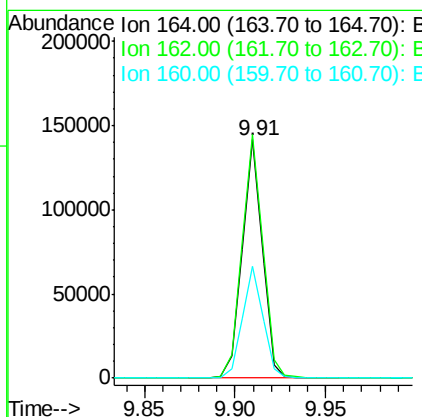
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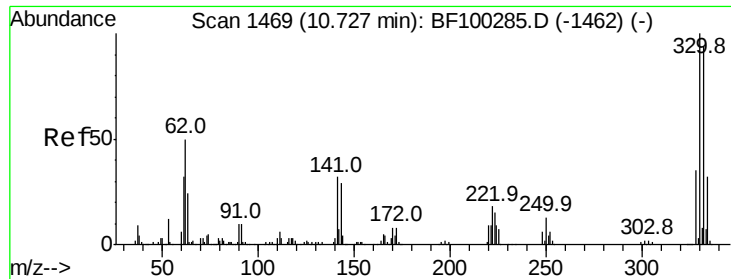
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	46.7	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 47.281 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.01 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Instrument :

BNA_F

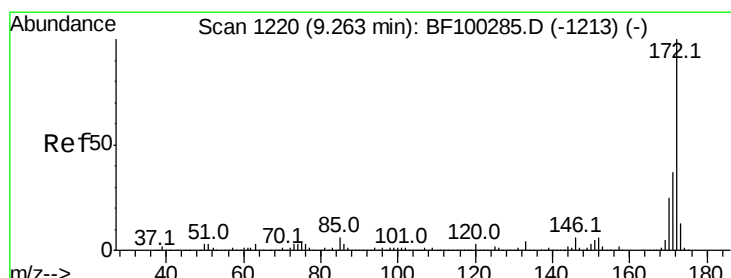
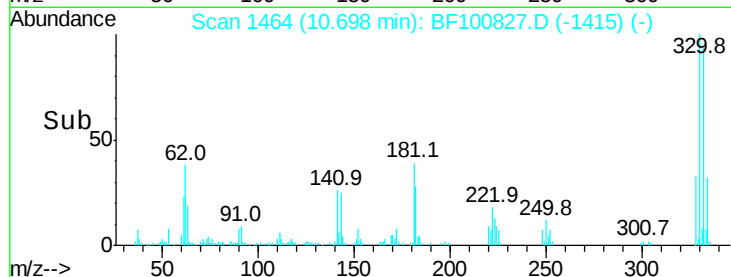
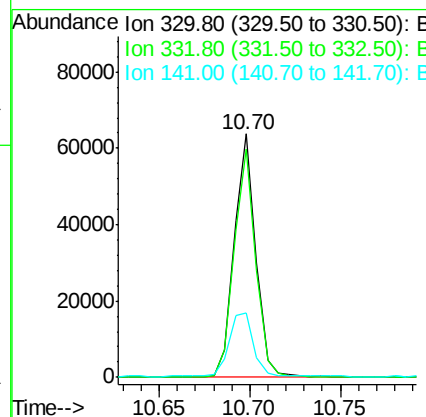
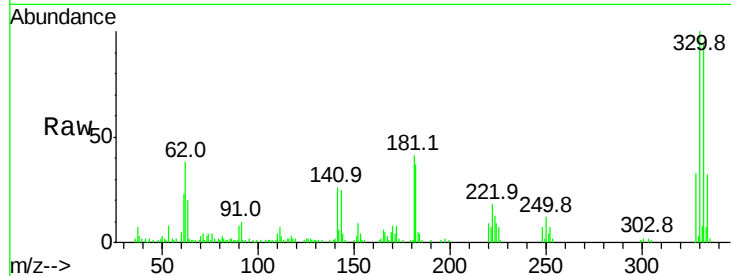
ClientSampleId :

PL-02-112017-C

Tot Ion:	330	Resp:	52834
Ion Ratio	Lower	Upper	
330	100		
332	93.8	77.0	115.6
141	33.0	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 38.508 ng

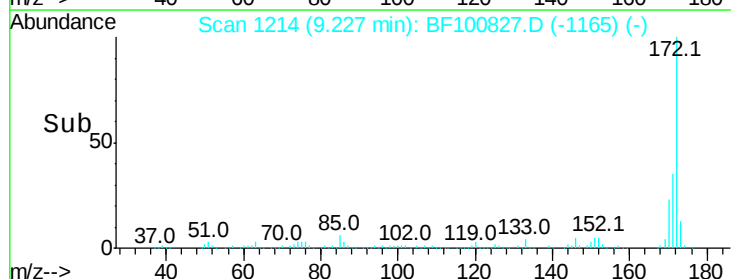
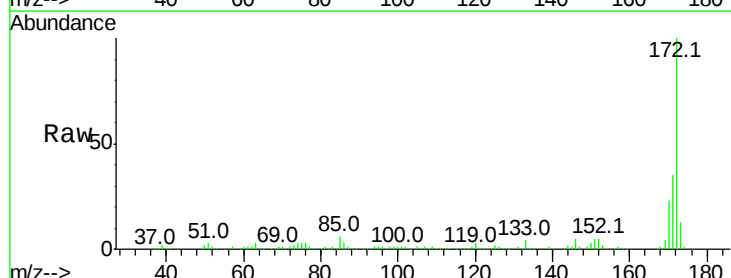
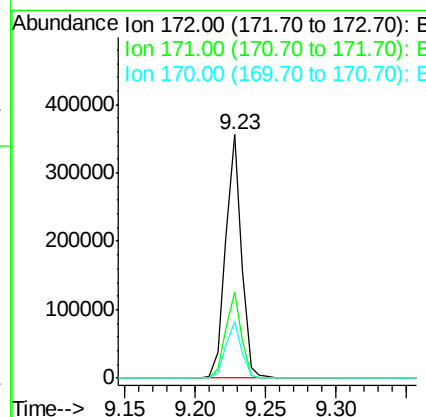
RT: 9.23 min Scan# 1214

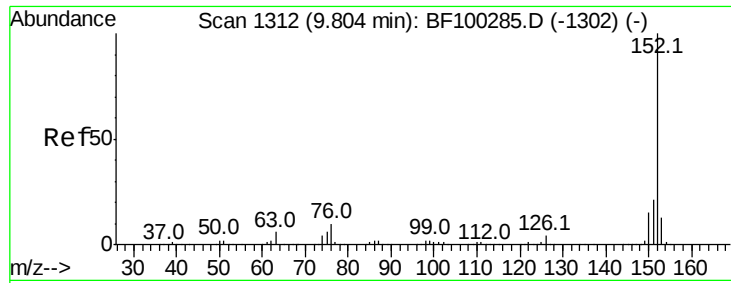
Delta R.T. -0.01 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Tgt Ion:	172	Resp:	277323
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.1	19.6	29.4





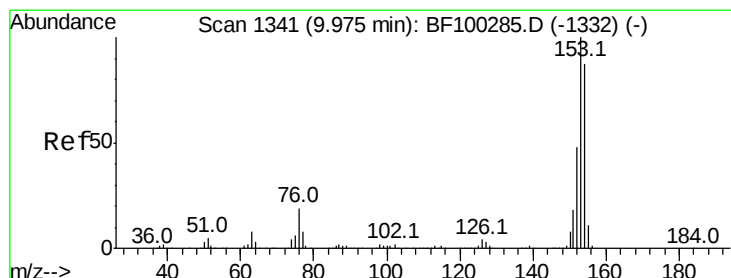
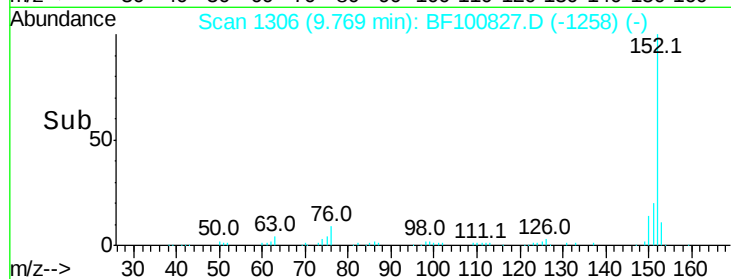
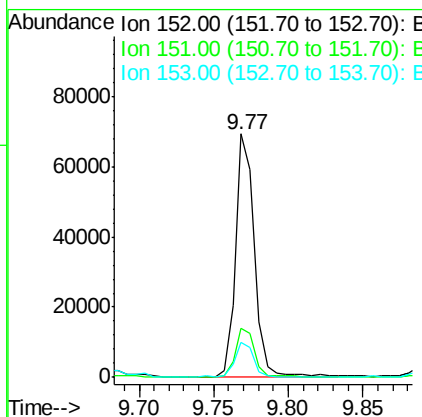
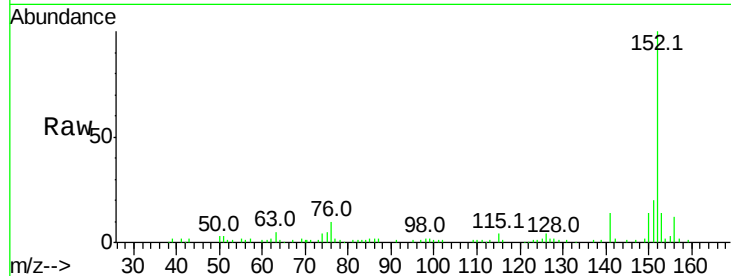
#48
Acenaphthylene
Concen: 5.455 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-C

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	14.1	10.7	16.1

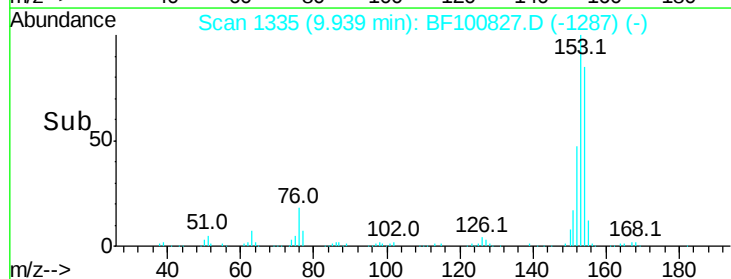
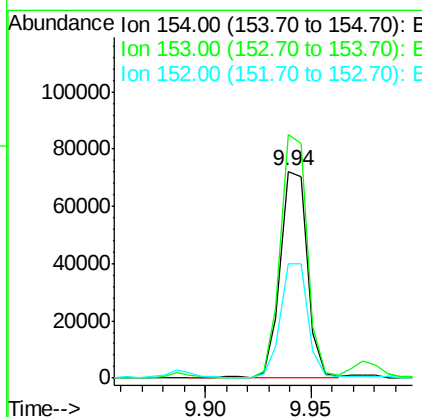
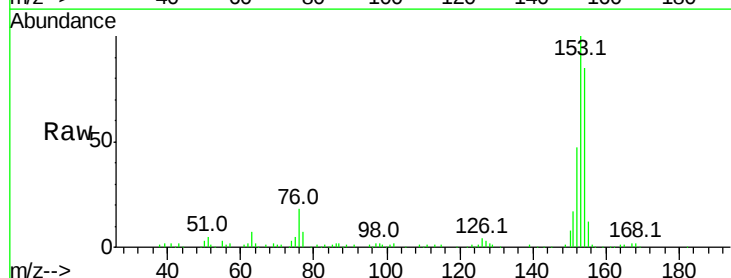
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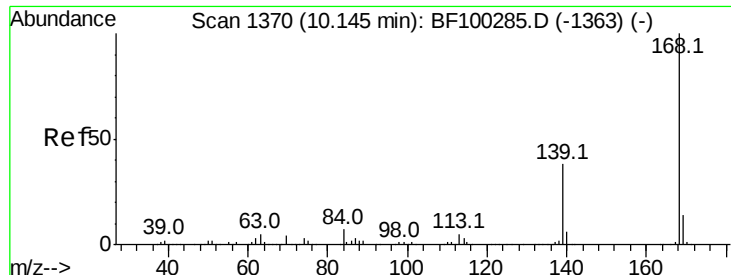
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#51
Acenaphthene
Concen: 9.378 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.8	91.2	136.8
152	55.6	43.8	65.8





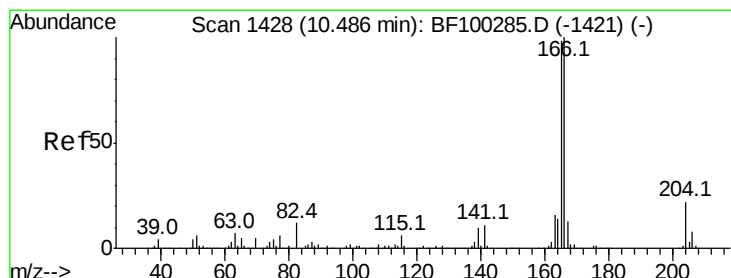
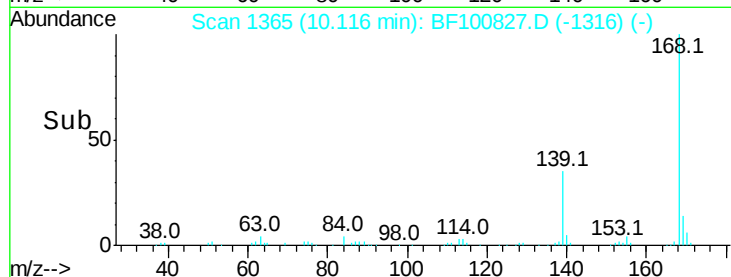
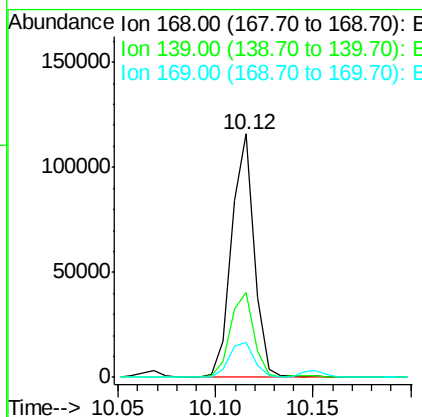
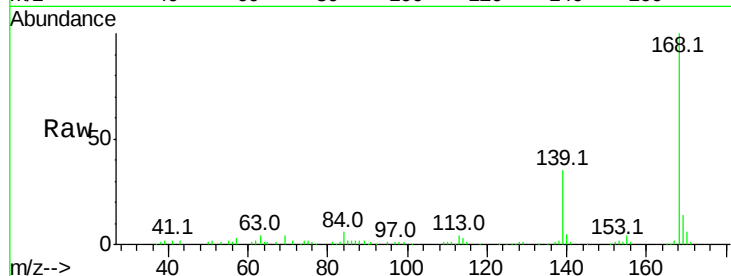
#54
Dibenzenofuran
Concen: 9.608 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-C

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.0	30.1	45.1
169	14.3	10.9	16.3

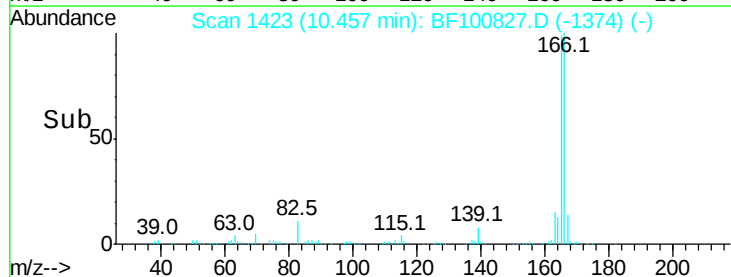
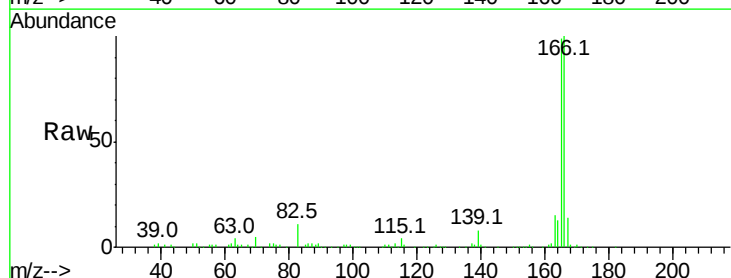
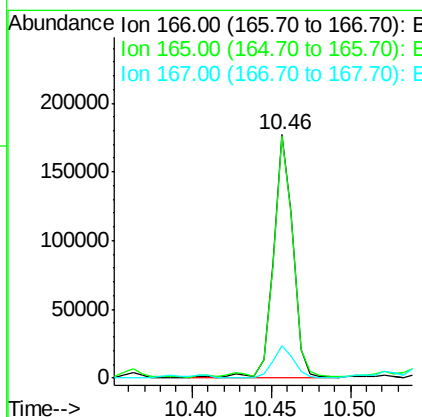
Manual Integrations
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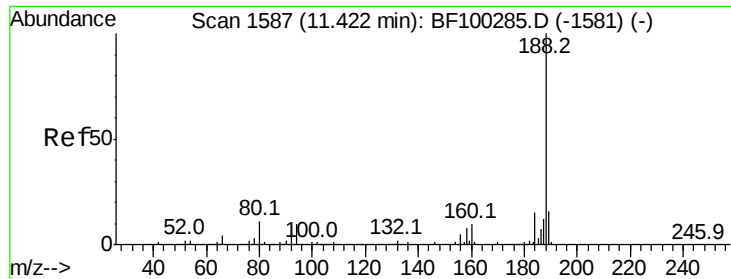
Sohil
11/27/2017 3:20:15 PM



#57
Fluorene
Concen: 21.117 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.8	119.8
167	13.6	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Instrument :

BNA_F

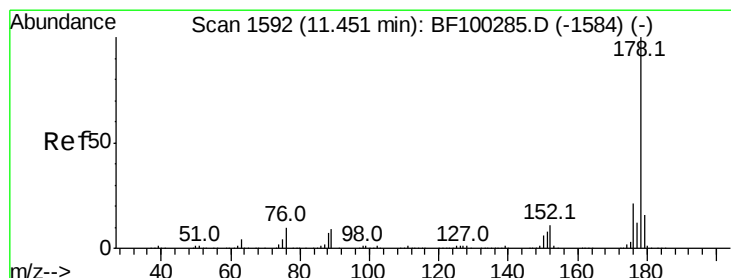
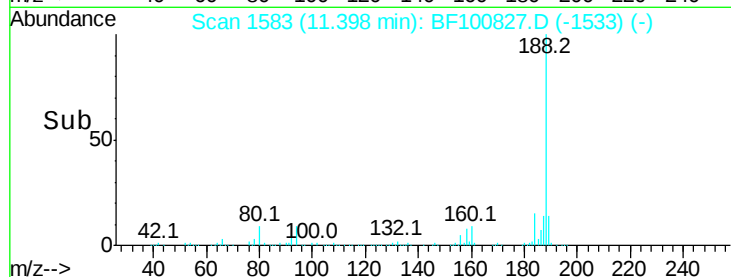
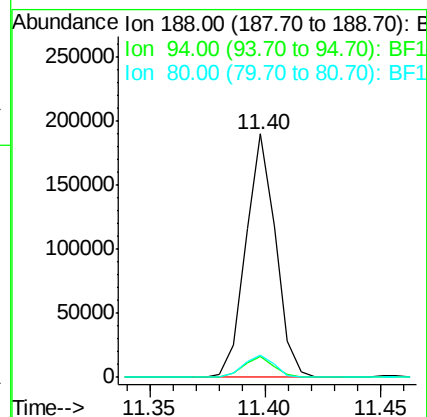
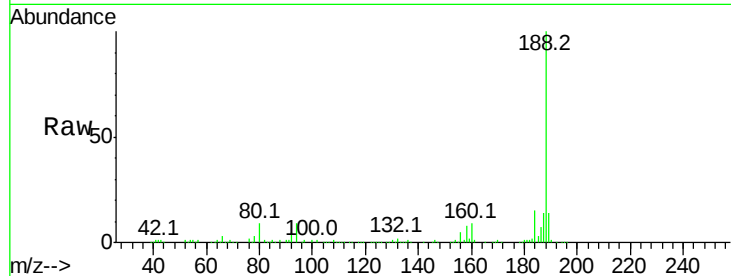
ClientSampleId :

PL-02-112017-C

Tot Ion:188	Resp:	171003
Ion Ratio	Lower	Upper
188 100		
94 8.8	8.5	12.7
80 9.0	9.2	13.8#

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11/27/2017 3:20:15 PM



#70

Phenanthrene

Concen: 91.269 ng

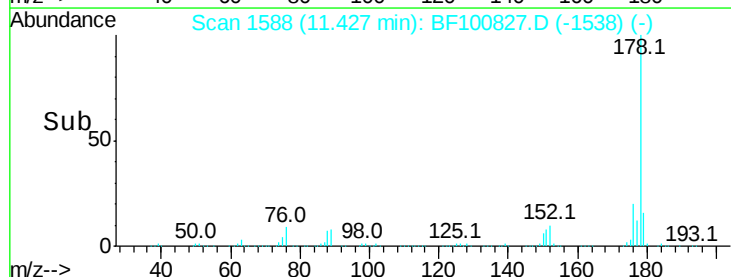
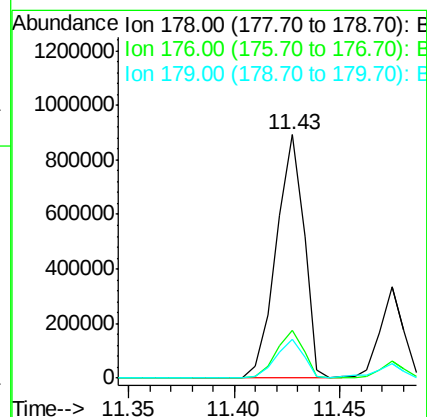
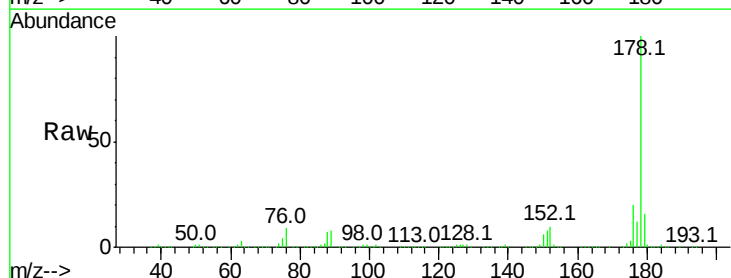
RT: 11.43 min Scan# 1588

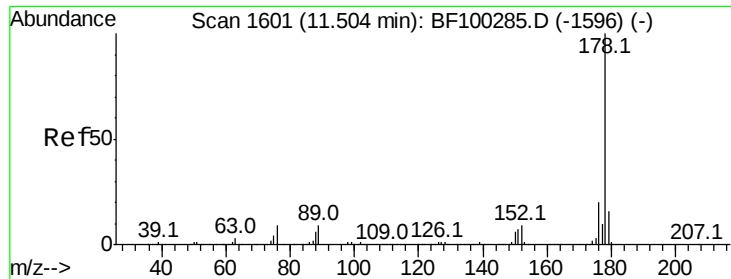
Delta R.T. -0.01 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Tgt Ion:178	Resp:	821746
Ion Ratio	Lower	Upper
178 100		
176 19.8	15.8	23.8
179 15.7	13.0	19.6





#71

Anthracene

Concen: 27.625 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Instrument :

BNA_F

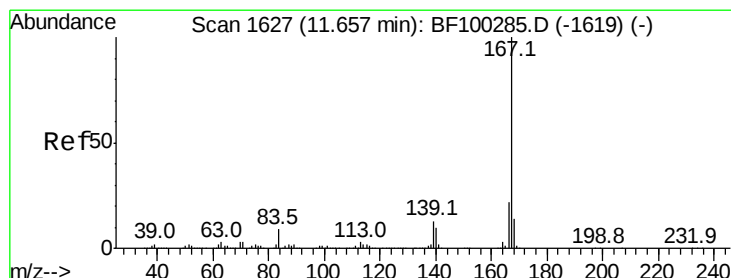
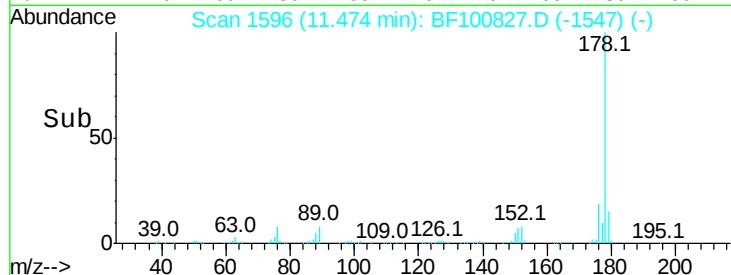
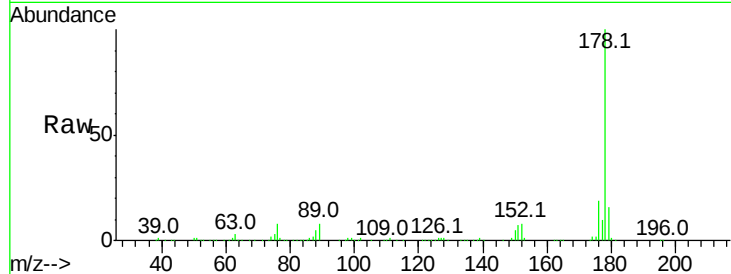
ClientSampleId :

PL-02-112017-C

Tot Ion:	178	Resp:	252343
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.2
179	15.5	12.6	19.0

Manual Integrations
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11/27/2017 3:20:15 PM



#72

Carbazole

Concen: 7.245 ng

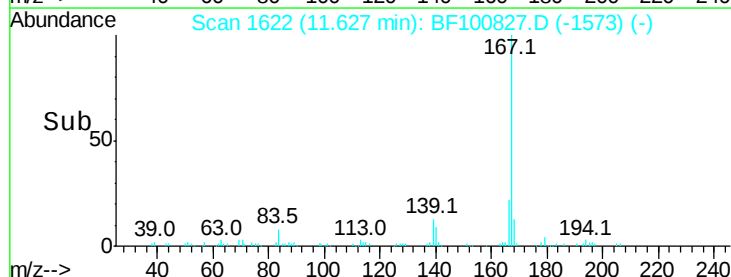
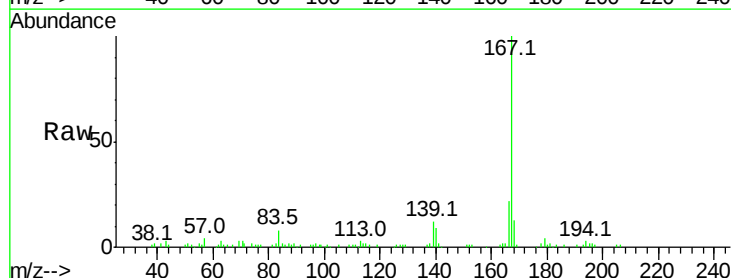
RT: 11.63 min Scan# 1622

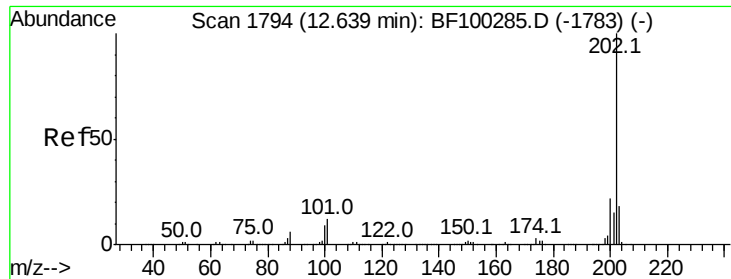
Delta R.T. -0.01 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Tgt Ion:	167	Resp:	61061
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.6	26.4
139	12.5	10.9	16.3





#74

Fluoranthene

Concen: 107.246 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.00 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Instrument :

BNA_F

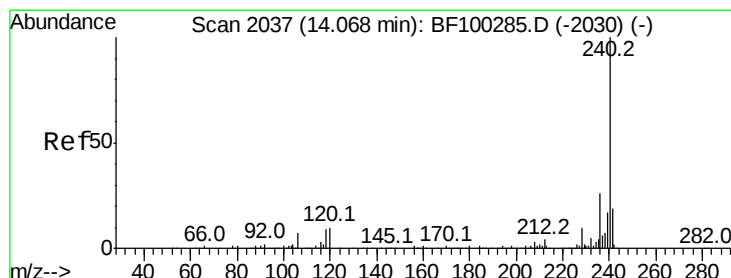
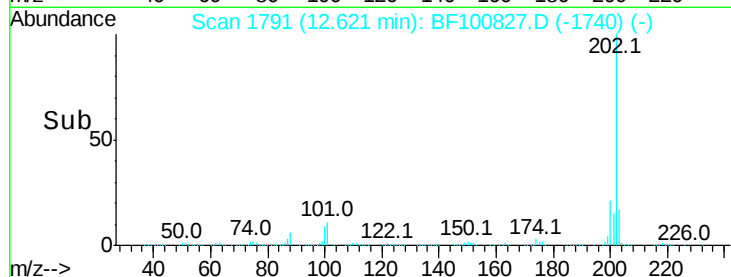
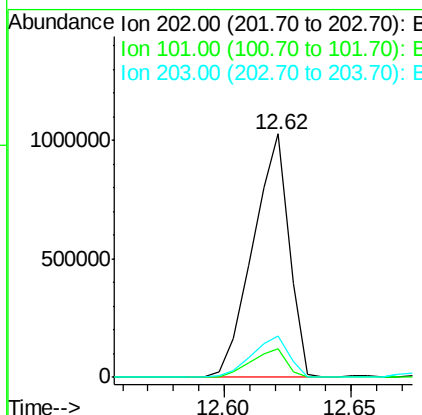
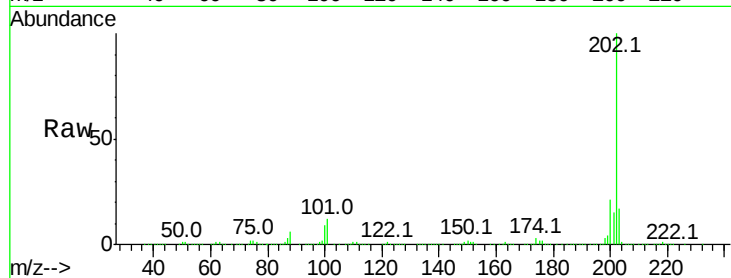
ClientSampleId :

PL-02-112017-C

Tot Ion:	202	Resp:	1023347
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

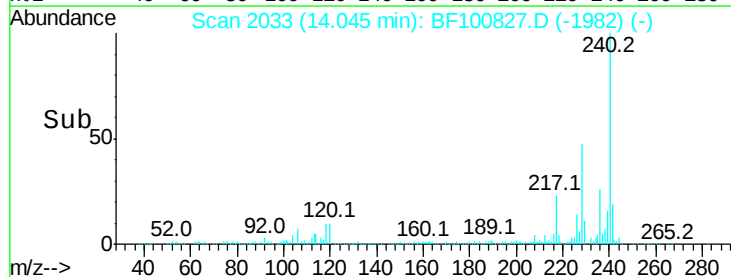
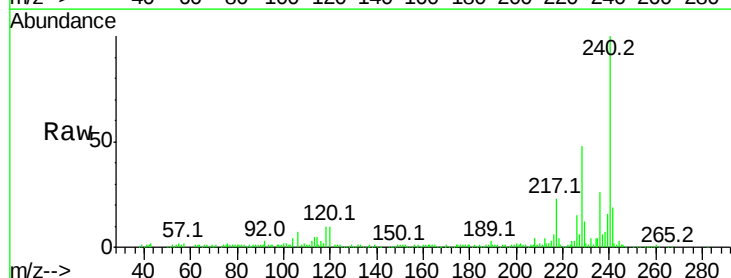
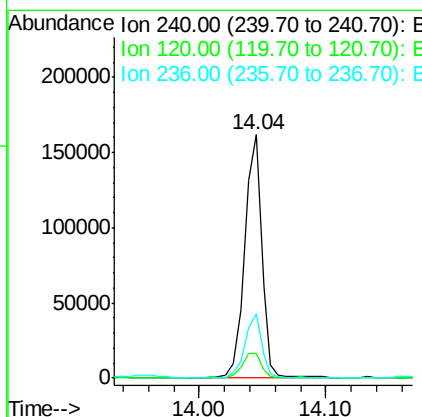
RT: 14.04 min Scan# 2033

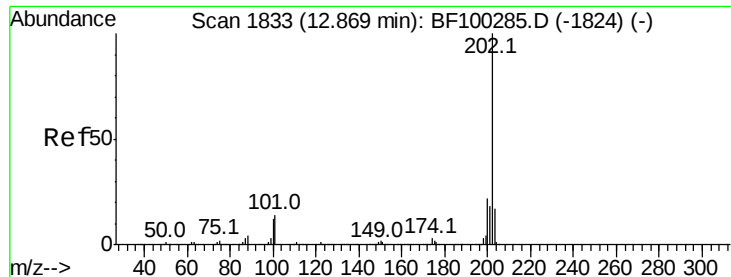
Delta R.T. -0.00 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Tgt Ion:	240	Resp:	151812
Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.5	14.3
236	26.5	20.7	31.1





#77

Pvrene

Concen: 85.711 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Instrument :

BNA_F

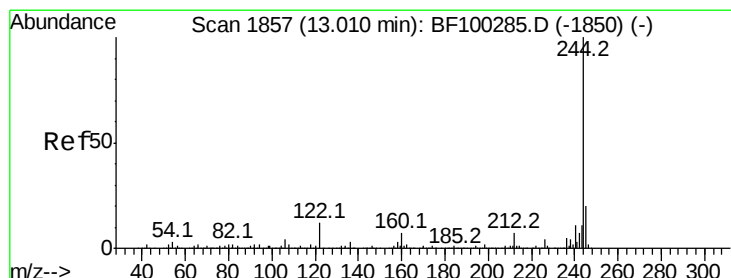
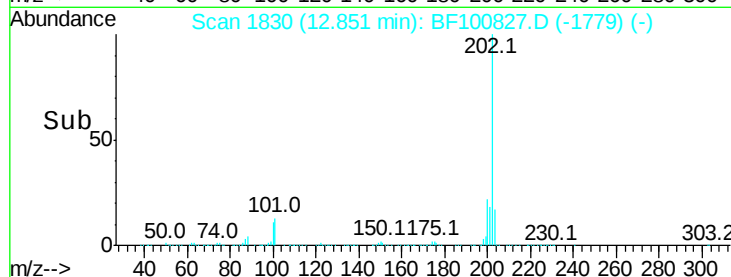
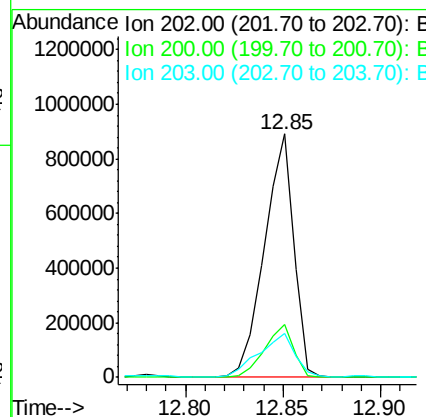
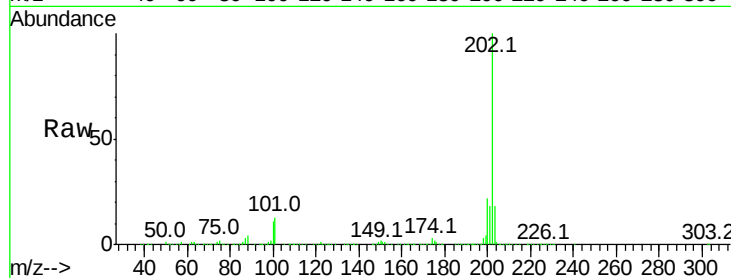
ClientSampleId :

PL-02-112017-C

Tot Ion:	202	Resp:	927546
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.1	14.3	21.5

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11/27/2017 3:20:15 PM



#78

Terphenyl-d14

Concen: 31.680 ng

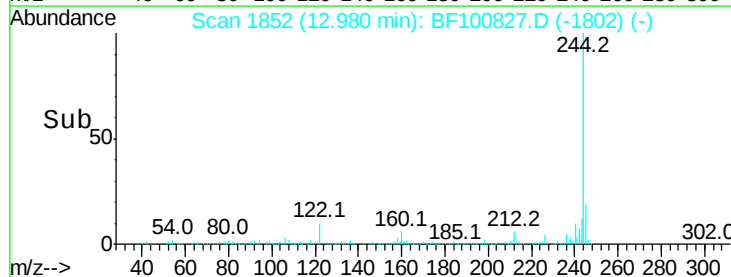
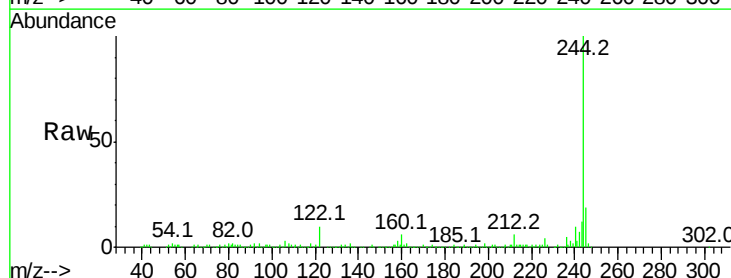
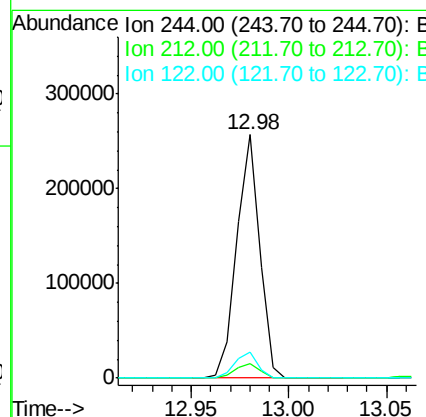
RT: 12.98 min Scan# 1852

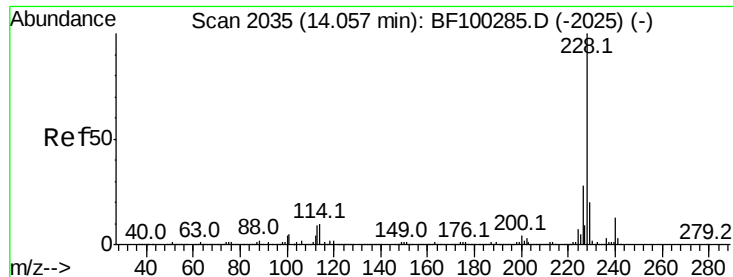
Delta R.T. -0.01 min

Lab File: BF100827.D

Acq: 22 Nov 2017 15:33

Tgt Ion:	244	Resp:	209313
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.0
122	10.5	11.0	16.4#





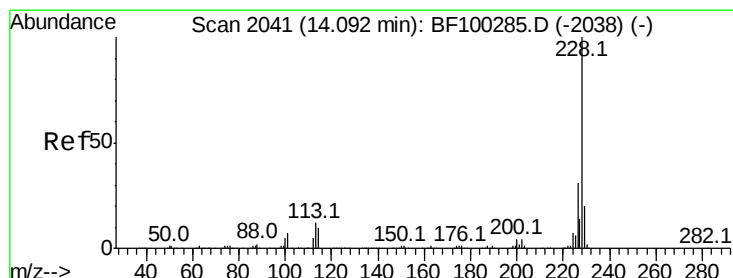
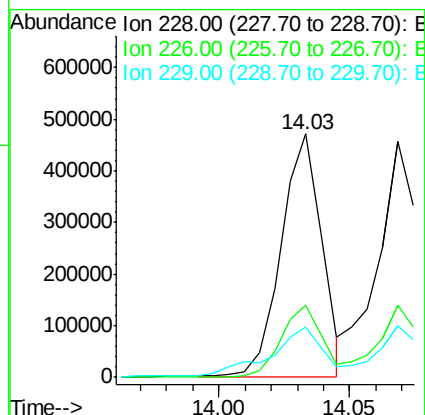
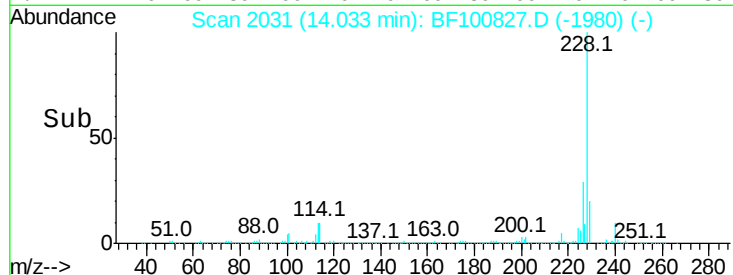
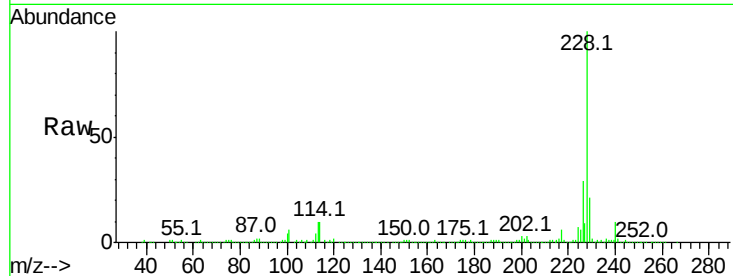
#80
Benzo(a)anthracene
Concen: 54.989 ng m
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.6	15.8	23.6

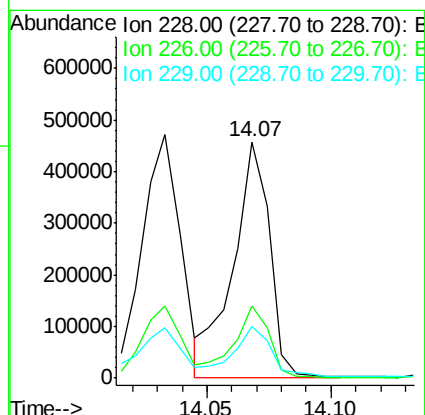
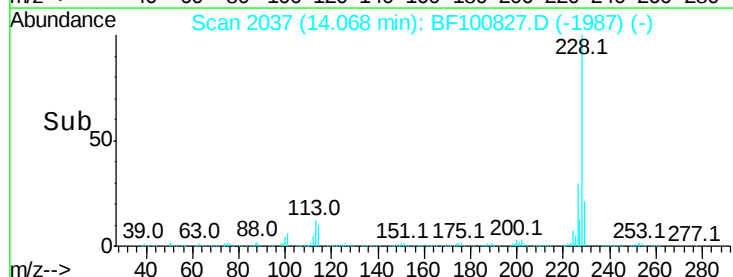
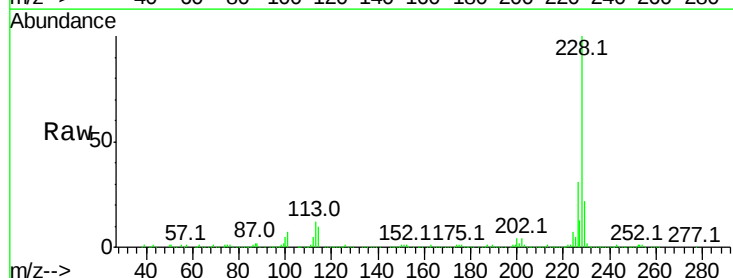
Manual Integrations
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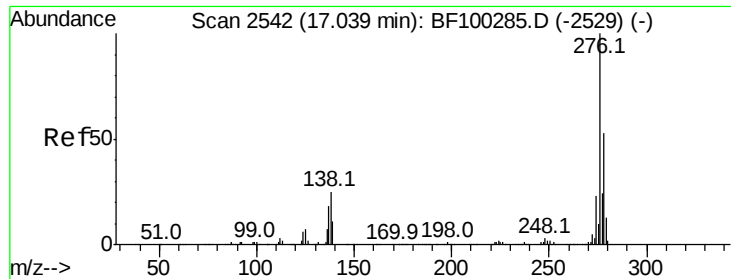
Sohil
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#82
Chrysene
Concen: 53.063 ng m
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.1	16.2	24.4





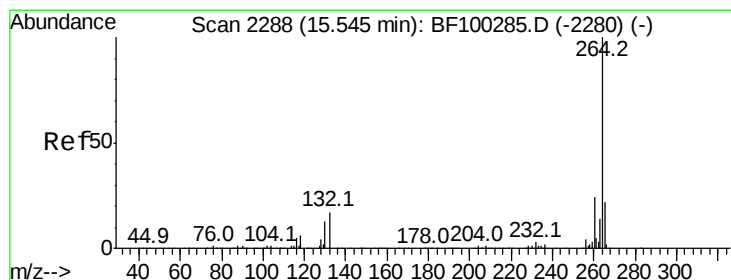
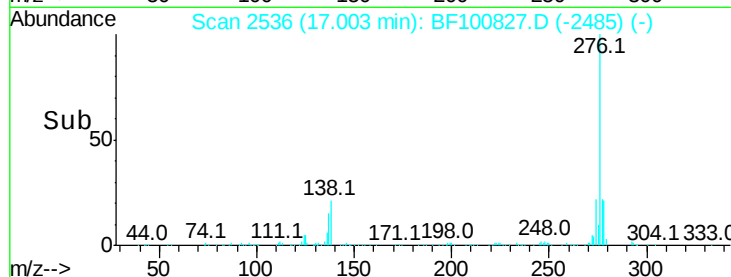
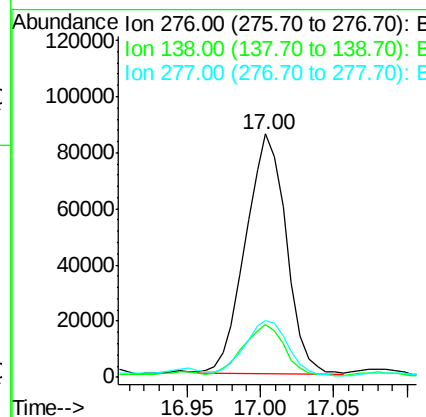
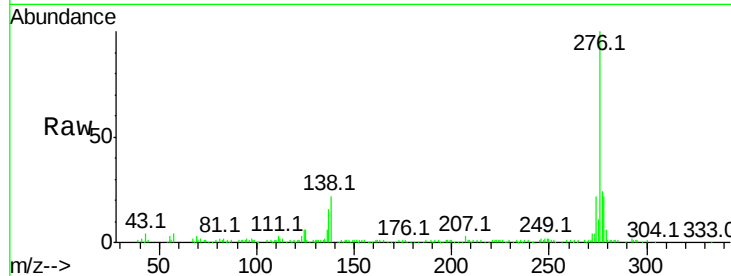
#85
Indeno(1,2,3-cd)pyrene
Concen: 23.022 ng/ml
RT: 17.00 min Scan# 2536
Delta R.T. -0.00 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	25.0	37.6#
277	0.0	20.1	30.1#

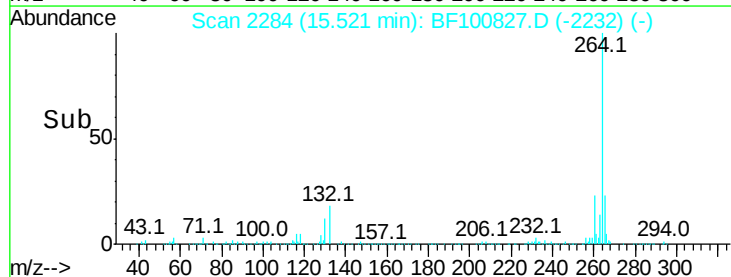
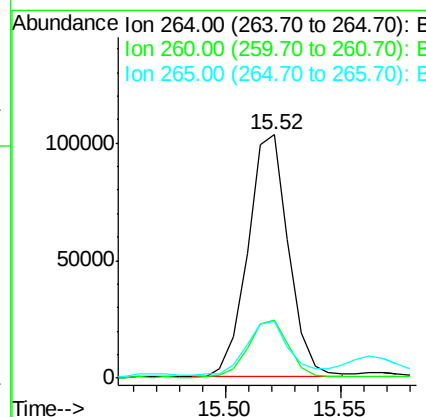
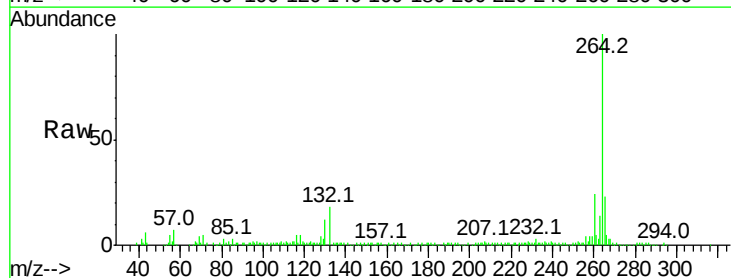
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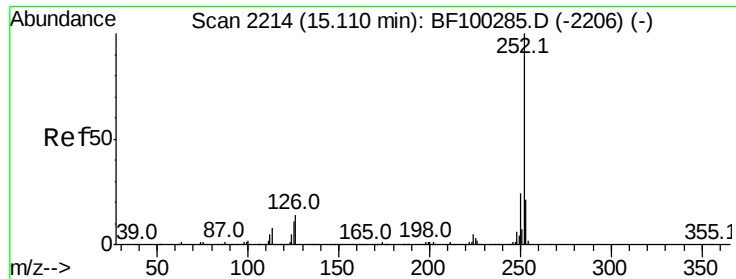
Sohil
11/27/2017 3:20:15 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	23.2	17.5	26.3





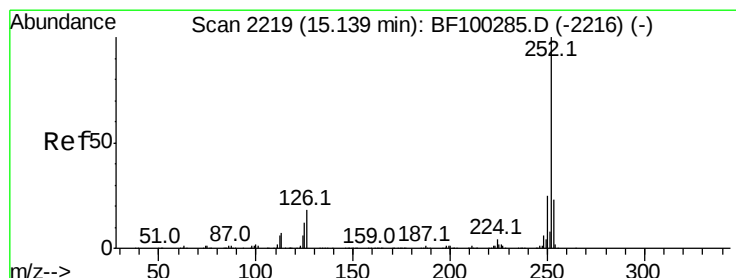
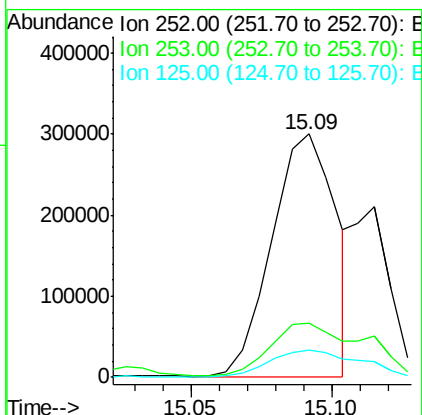
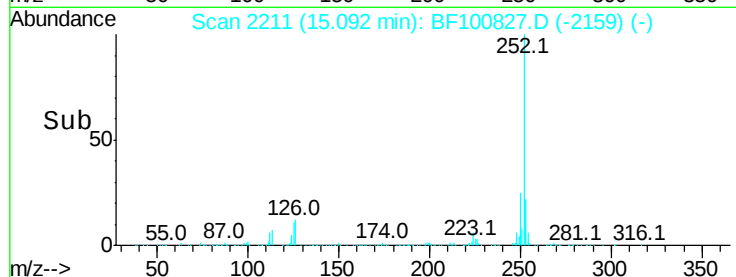
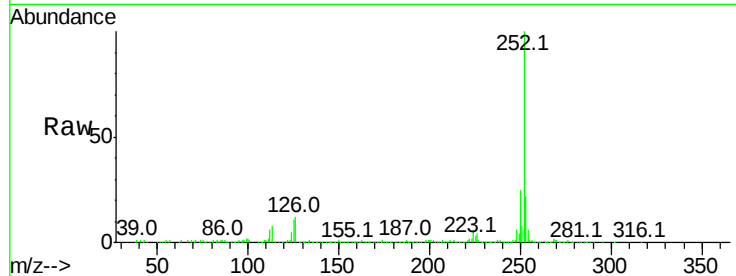
#87
Benzo(b)fluoranthene
Concen: 63.132 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	11.3	9.0	13.6

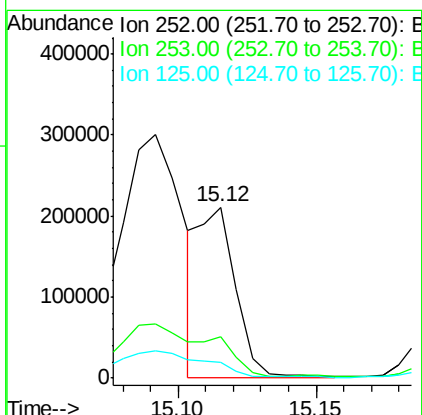
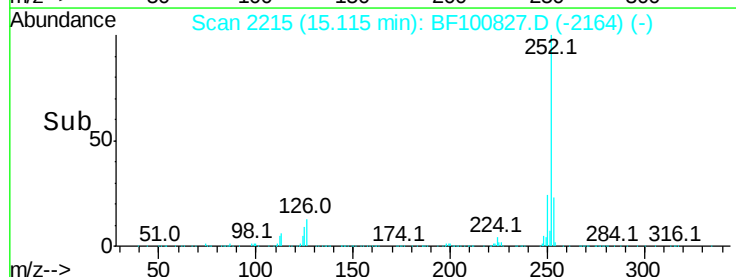
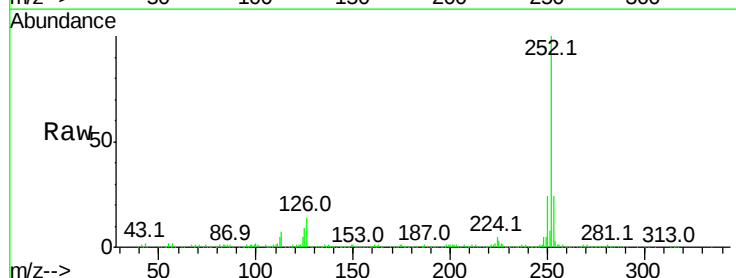
Manual Integrations
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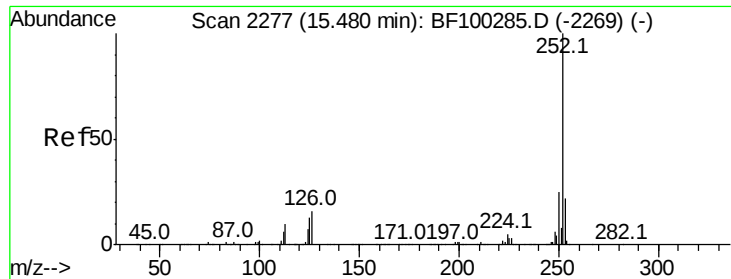
Sohil
11/27/2017 3:20:15 PM



#88
Benzo(k)fluoranthene
Concen: 27.424 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	9.4	10.2	15.2#





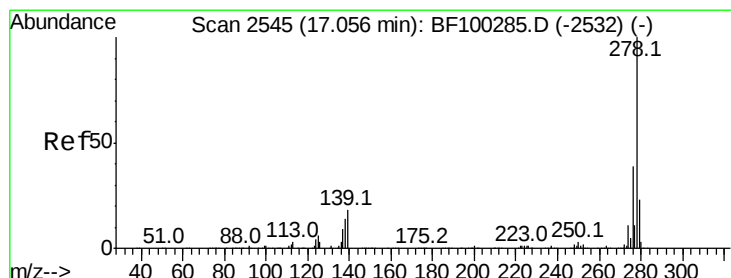
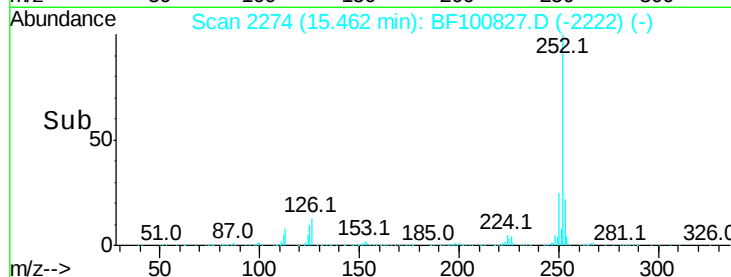
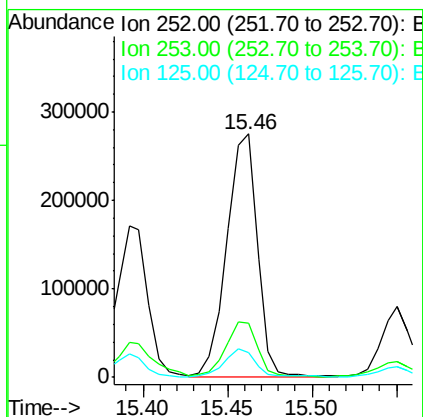
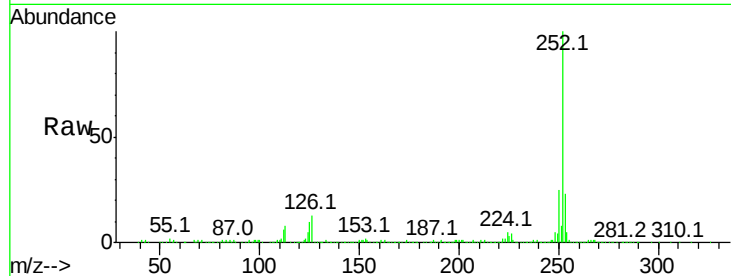
#89
Benzo(a)pyrene
Concen: 51.664 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Instrument :
BNA_F
ClientSampleId :
PL-02-112017-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	10.0	9.8	14.6

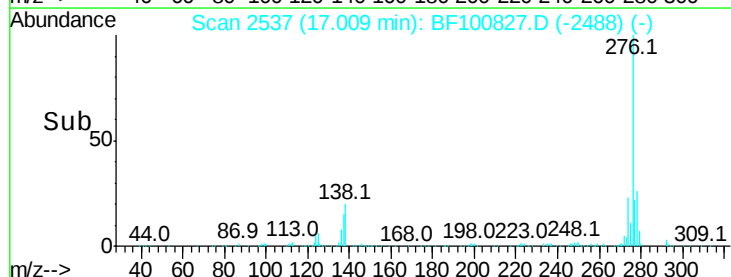
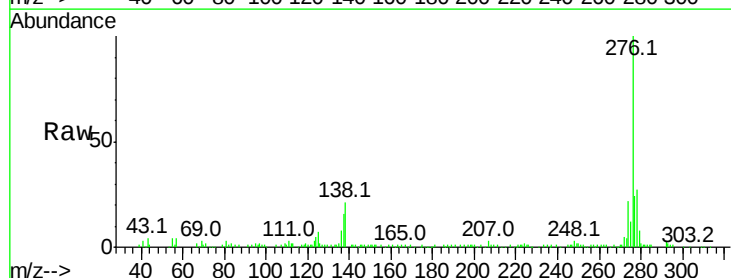
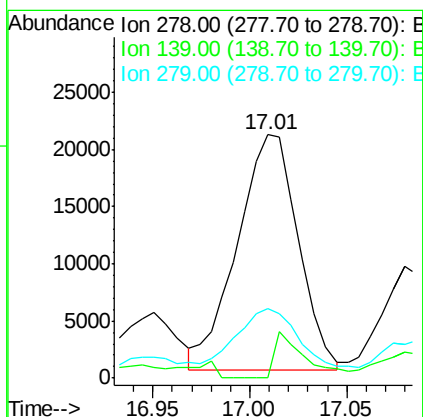
Manual Integrations
APPROVED

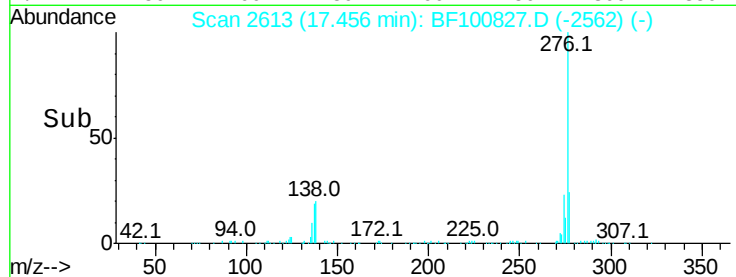
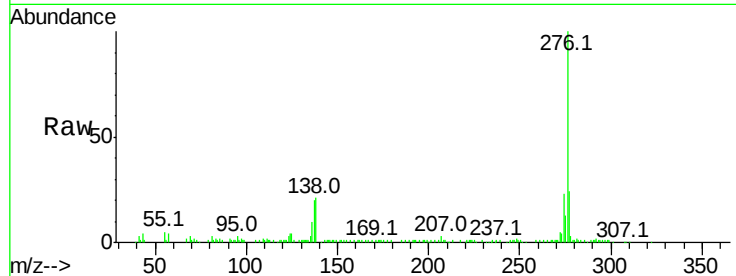
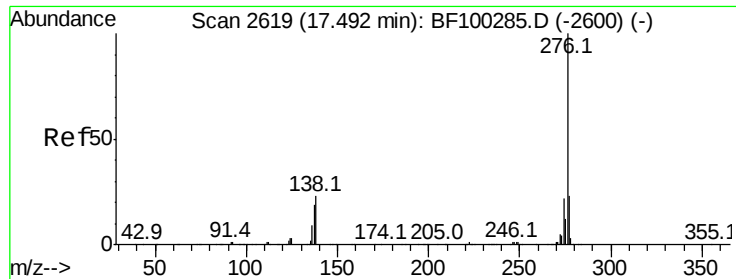
Sohil
11/27/2017 3:20:15 PM



#90
Dibenzo(a,h)anthracene
Concen: 8.206 ng m
RT: 17.01 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BF100827.D
Acq: 22 Nov 2017 15:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	28.4	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 28.062 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. -0.00 min
 Lab File: BF100827.D
 Acq: 22 Nov 2017 15:33

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-112017-C

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.5	17.9	26.9
138	21.4	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 11/27/2017 3:20:15 PM

