

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092217\
 Data File : BF098701.D
 Acq On : 22 Sep 2017 15:47
 Operator : SJ/JU
 Sample : I5310-04DL 50X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-091917-BDL

Manual Integrations
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Quant Time: Sep 22 16:31:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 22 11:54:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	154339	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	622135	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	252104	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	383312	20.00	ng	0.00
75) Chrysene-d12	14.09	240	336349	20.00	ng	0.00
86) Perylene-d12	15.58	264	342690	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	13613	1.34	ng	0.00
7) Phenol-d6	6.53	99	16509	1.34	ng	-0.02
23) Nitrobenzene-d5	7.48	82	7861	0.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	2293	0.99	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	18758	1.18	ng	0.00
78) Terphenyl-d14	13.03	244	13831	0.88	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.23	128	794961	26.922	ng	99
37) 2-Methylnaphthalene	8.92	142	389402	20.538	ng	99
45) 1,1'-Biphenyl	9.38	154	61337	2.832	ng	96
48) Acenaphthylene	9.82	152	54593	2.185	ng	# 94
51) Acenaphthene	10.00	154	133430	8.605	ng	99
54) Dibenzofuran	10.17	168	166920	7.884	ng	99
57) Fluorene	10.51	166	241668	14.201	ng	97
70) Phenanthrene	11.48	178	1002647	48.219	ng	98
71) Anthracene	11.53	178	259623	12.245	ng	98
72) Carbazole	11.67	167	91201	4.402	ng	98
74) Fluoranthene	12.66	202	615225	29.689	ng	99
77) Pyrene	12.89	202	567739	22.736	ng	99
80) Benzo(a)anthracene	14.08	228	225577	11.134	ng	98
82) Chrysene	14.12	228	198636	10.152	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	77405	5.100	ng	94
87) Benzo(b)fluoranthene	15.14	252	205952m	10.363	ng	
88) Benzo(k)fluoranthene	15.17	252	75238m	3.788	ng	
89) Benzo(a)pyrene	15.52	252	165705	9.181	ng	98
91) Benzo(a,h,i)perylene	17.54	276	74789	4.874	ng	98

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

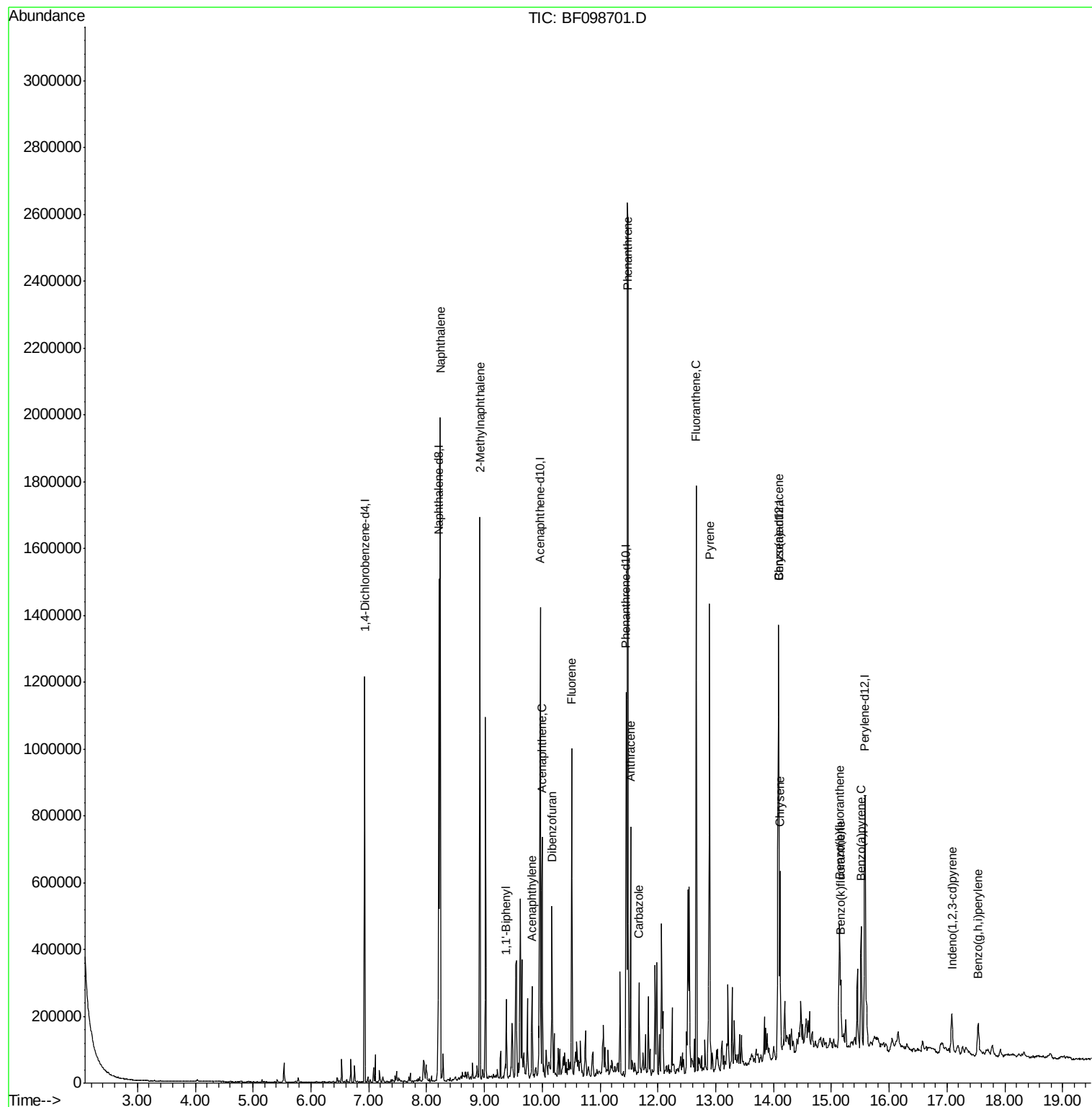
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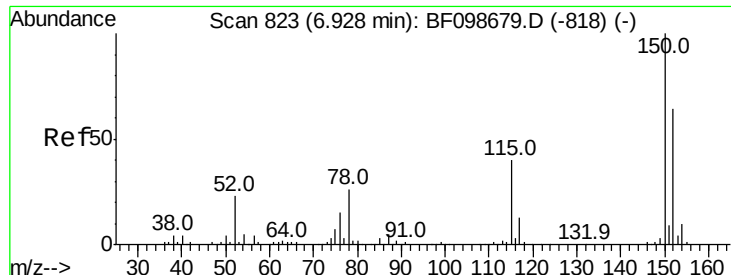
Instrument :
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#1

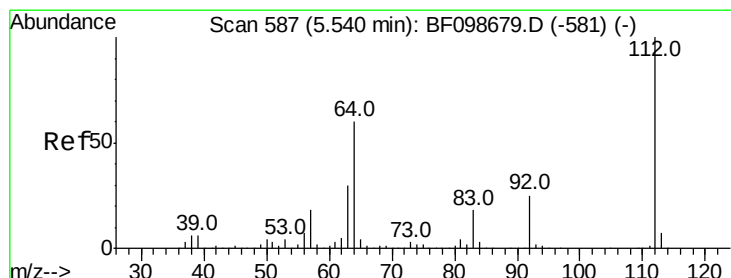
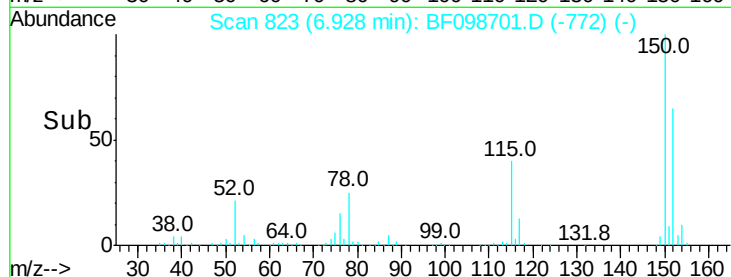
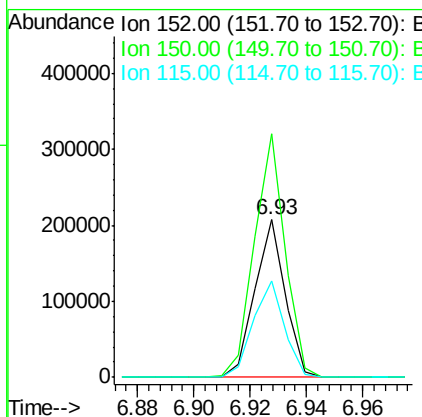
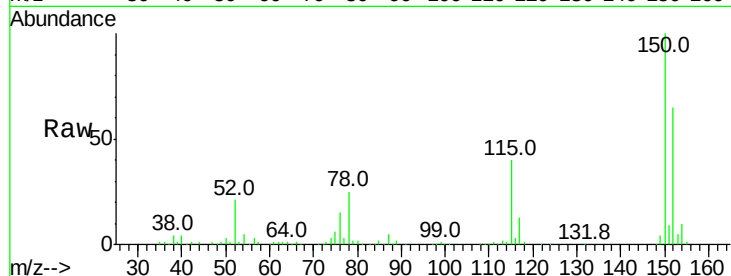
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-091917-BDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	61.1	50.1	75.1

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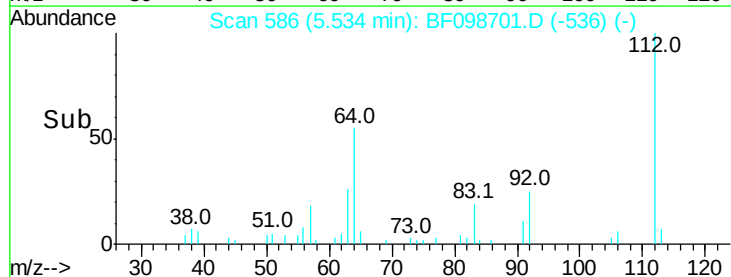
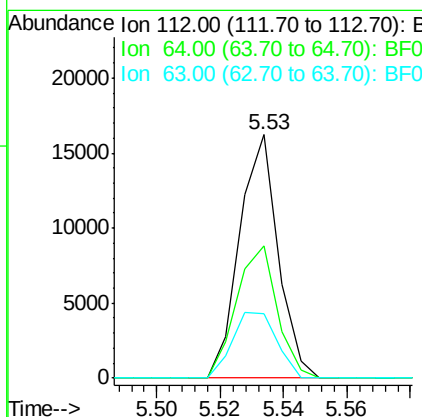
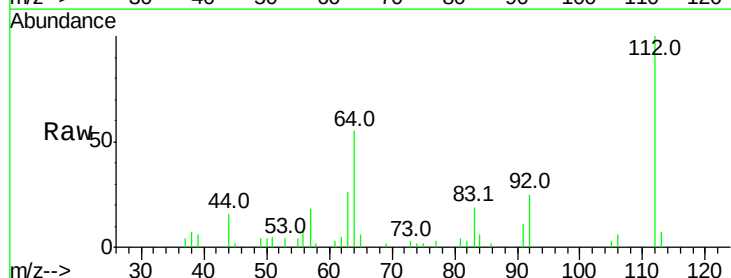
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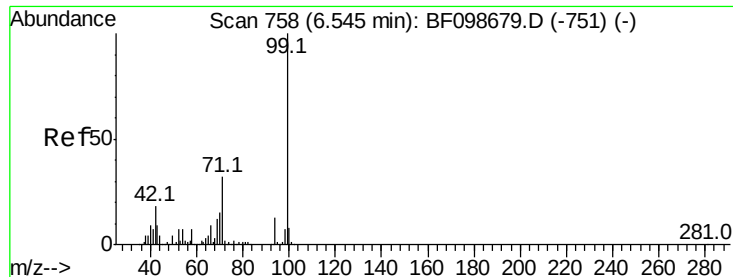


#5

2-Fluorophenol
 Concen: 1.339 ng
 RT: 5.53 min Scan# 586
 Delta R.T. -0.01 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	26.4	23.7	35.5





#7

Phenol-d6

Concen: 1.341 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098701.D

Acq: 22 Sep 2017 15:47

Instrument :

BNA_F

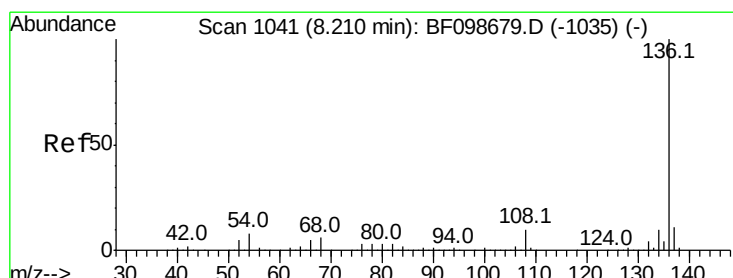
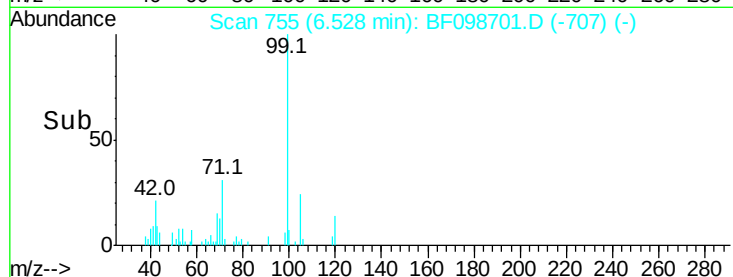
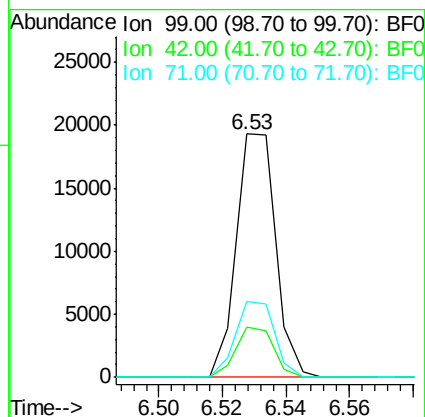
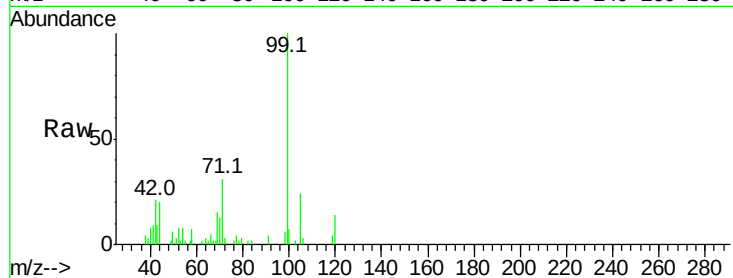
ClientSampleId :

NB-01-091917-BDL

Tot Ion:	99	Resp:	16509
Ion	Ratio	Lower	Upper
99	100		
42	20.5	14.5	21.7
71	31.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

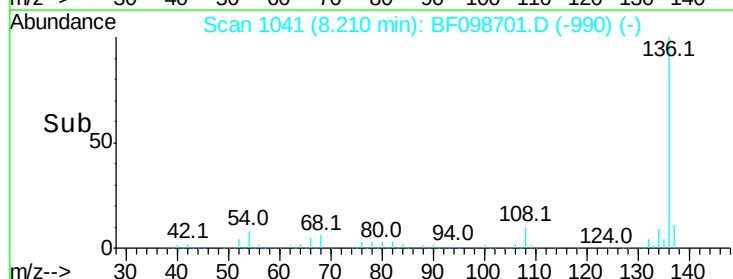
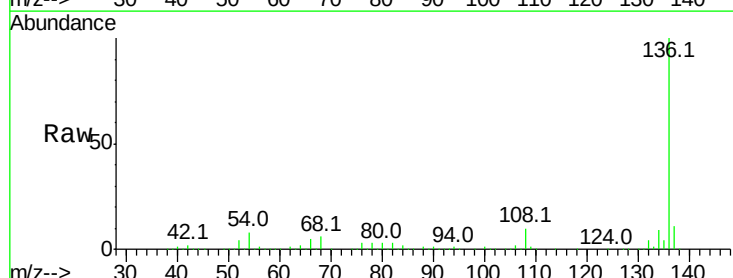
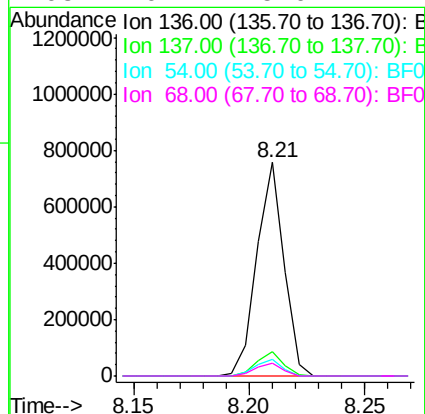
RT: 8.21 min Scan# 1041

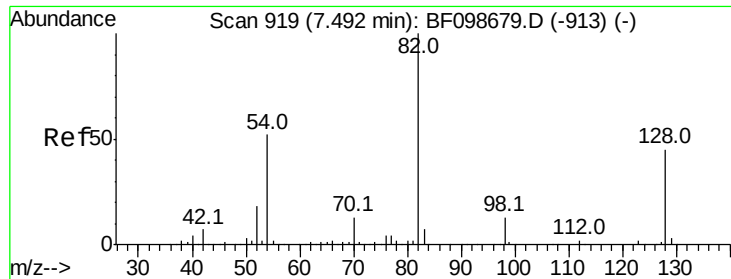
Delta R.T. 0.00 min

Lab File: BF098701.D

Acq: 22 Sep 2017 15:47

Tgt Ion:	136	Resp:	622135
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.1	6.6	9.8
68	6.1	5.0	7.4





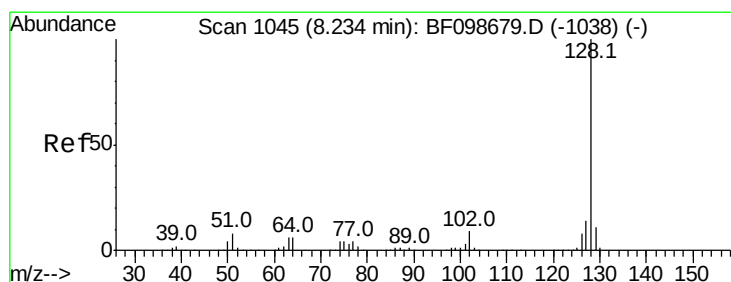
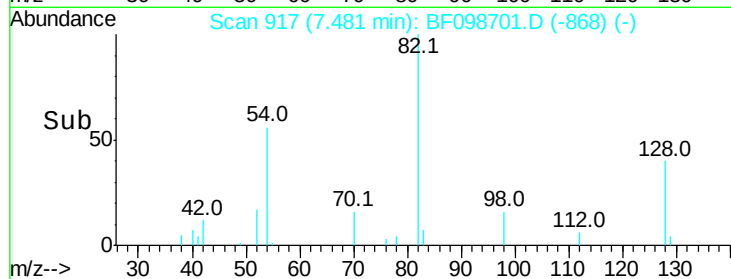
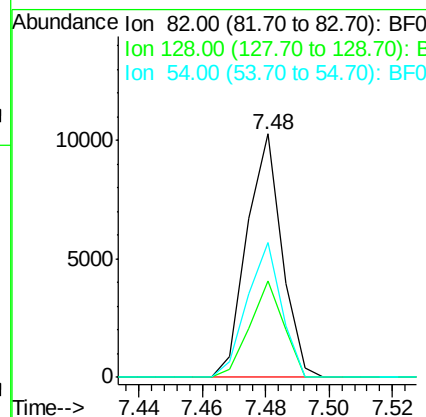
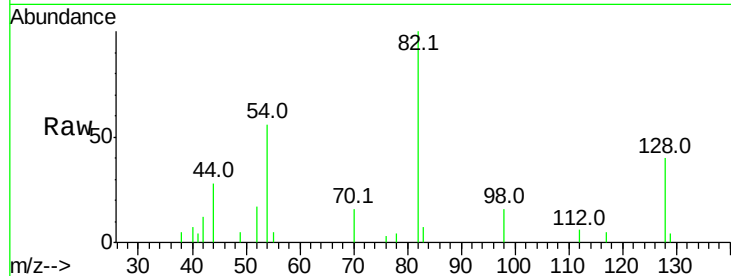
#23
 Nitrobenzene-d5
 Concen: 0.857 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-091917-BDL

Tot Ion:	82	Resp:	7861
Ion Ratio	Lower	Upper	
82	100		
128	39.6	36.1	54.1
54	55.5	41.4	62.2

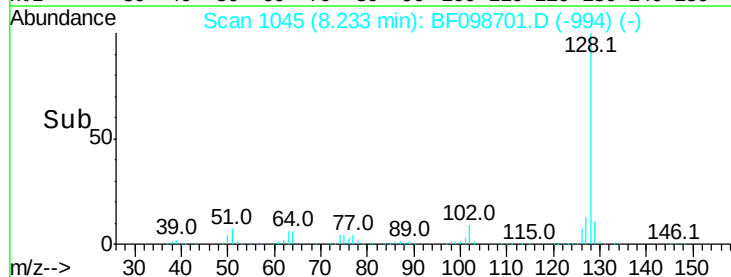
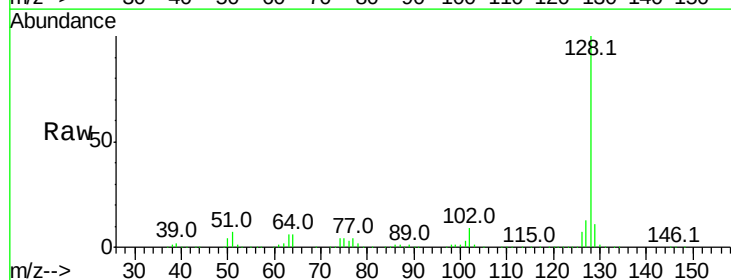
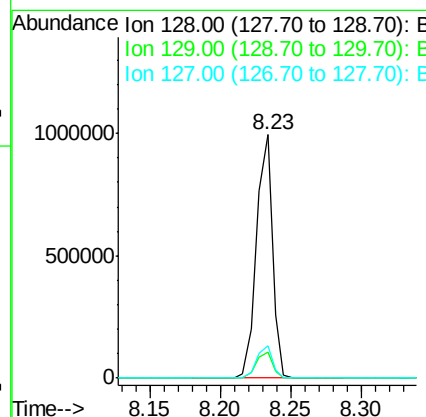
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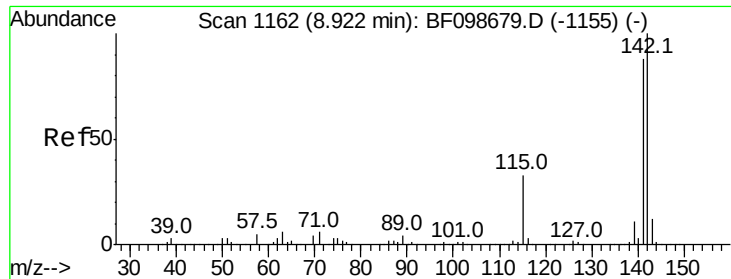
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#31
 Naphthalene
 Concen: 26.922 ng
 RT: 8.23 min Scan# 1045
 Delta R.T. -0.00 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Tgt Ion:	128	Resp:	794961
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.8	13.2
127	13.2	10.9	16.3





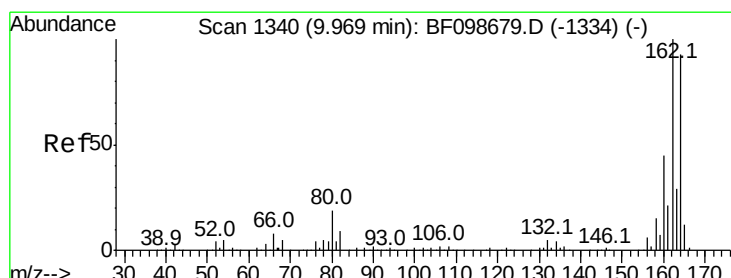
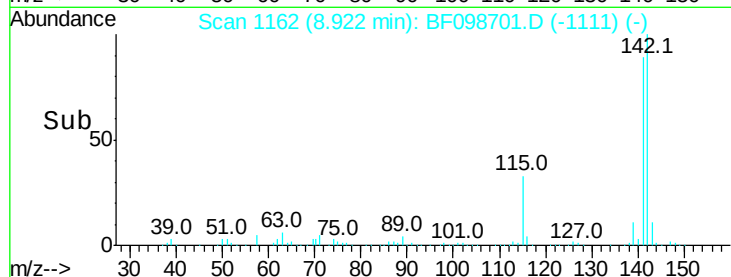
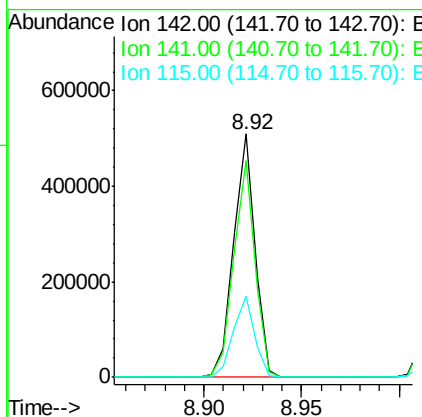
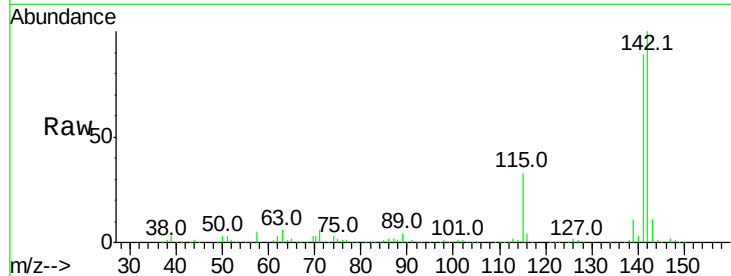
#37
2-Methylnaphthalene
Concen: 20.538 ng
RT: 8.92 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF098701.D
Acq: 22 Sep 2017 15:47

Instrument :
BNA_F
ClientSampleId :
NB-01-091917-BDL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	389402		
141	89.1		70.8	106.2
115	33.3		26.1	39.1

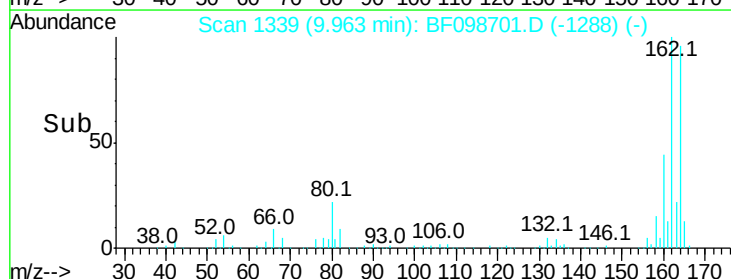
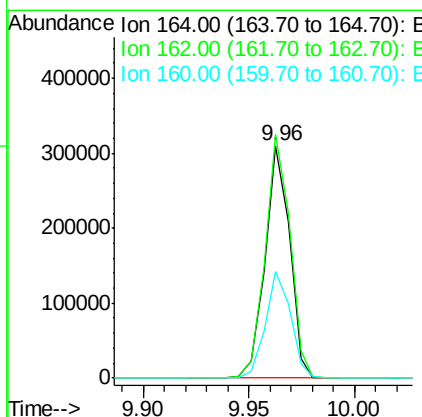
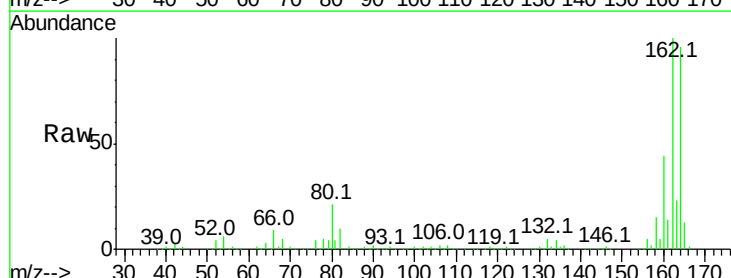
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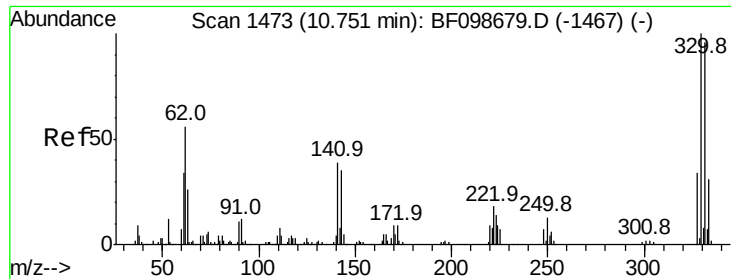
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.00 min
Lab File: BF098701.D
Acq: 22 Sep 2017 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	252104		
162	104.7		86.1	129.1
160	45.7		38.3	57.5





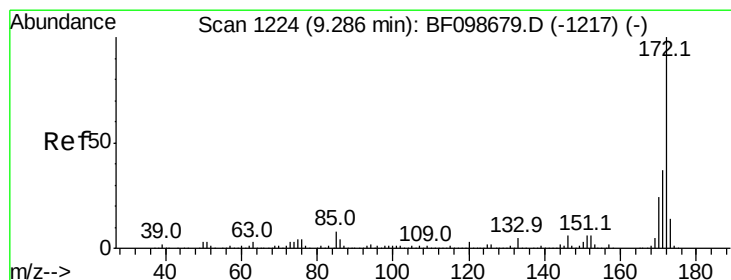
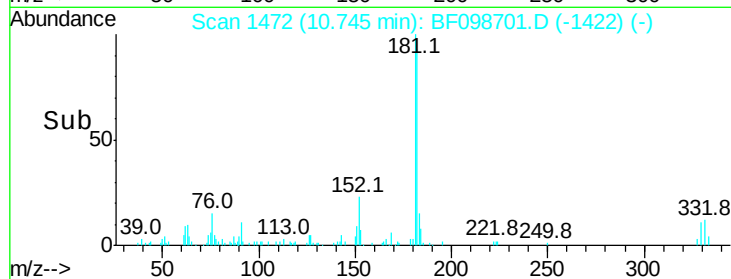
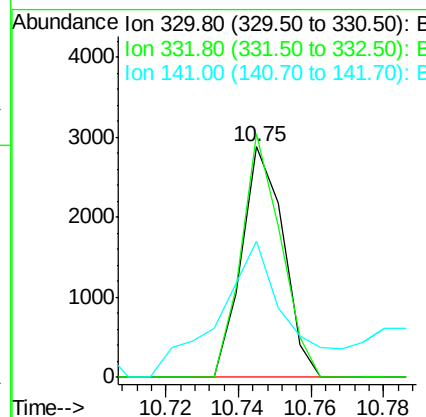
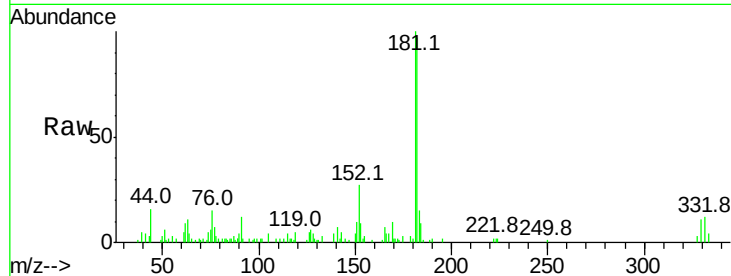
#41
 2,4,6-Tribromophenol
 Concen: 0.995 ng
 RT: 10.75 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-091917-BDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.7	77.0	115.6
141	98.9	29.9	44.9

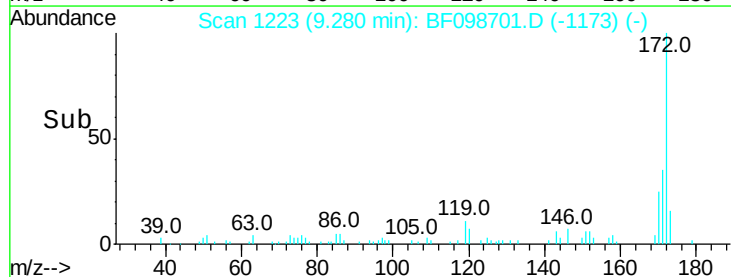
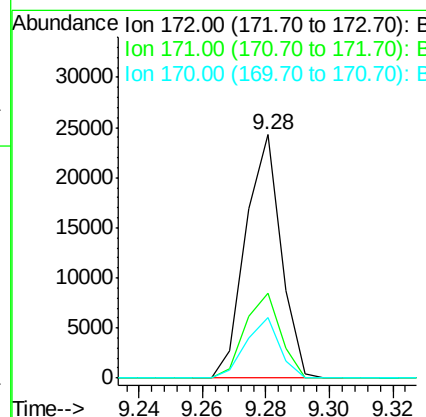
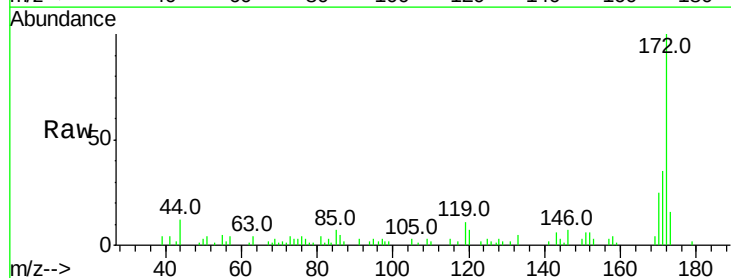
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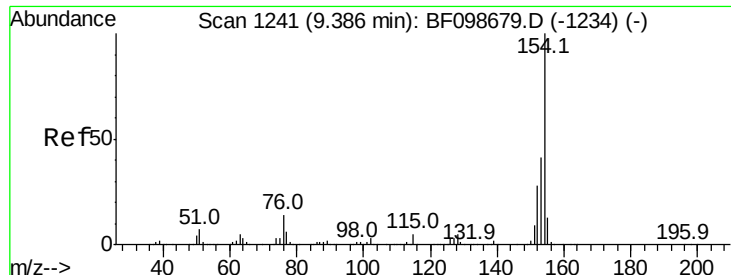
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#44
 2-Fluorobiphenyl
 Concen: 1.184 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	24.7	19.6	29.4





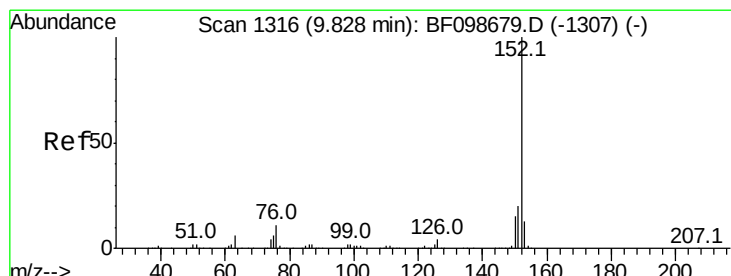
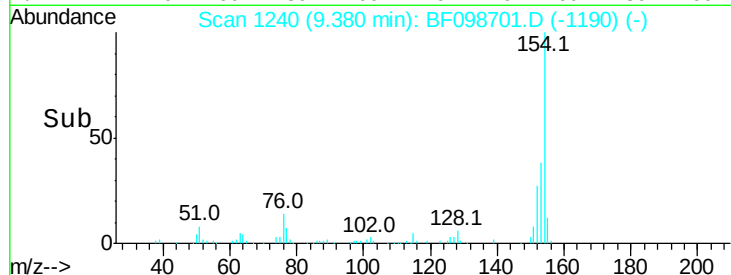
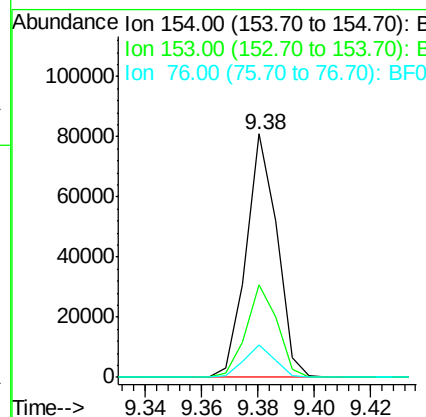
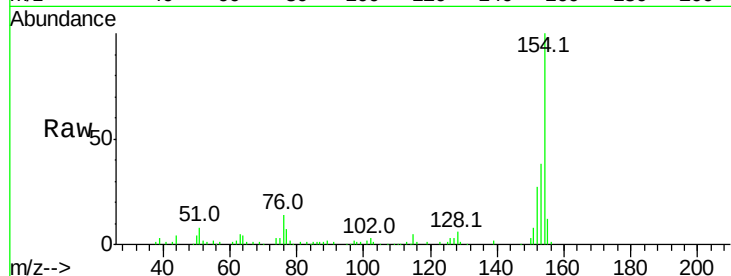
#45
 1,1'-Biphenyl
 Concen: 2.832 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-091917-BDL

Tot Ion:	154	Resp:	61337
Ion Ratio	Lower	Upper	
154	100		
153	38.1	21.3	61.3
76	13.5	0.0	34.0

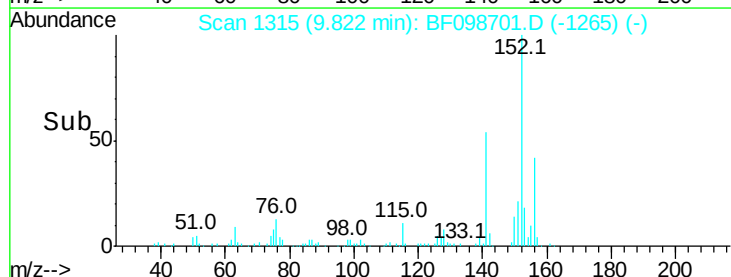
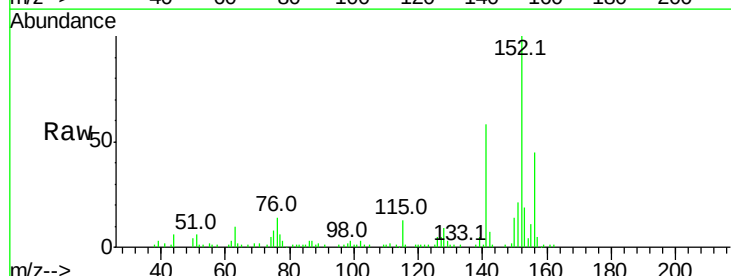
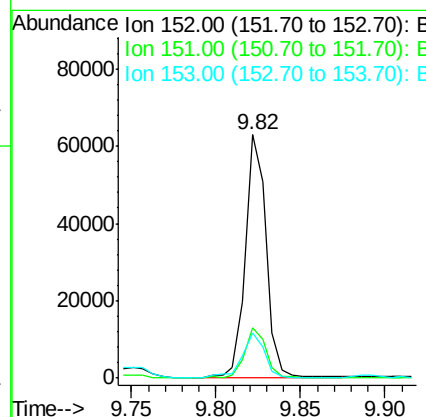
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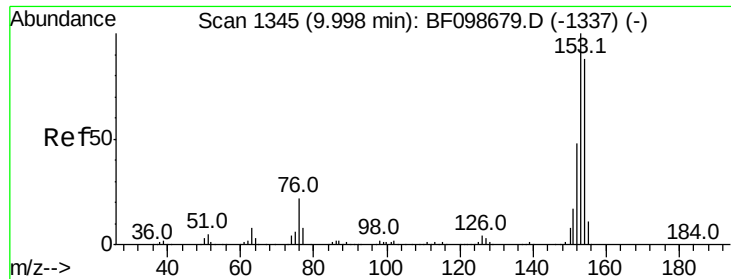
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#48
 Acenaphthylene
 Concen: 2.185 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Tgt Ion:	152	Resp:	54593
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.3	24.5
153	18.8	10.7	16.1#





#51

Acenaphthene

Concen: 8.605 ng

RT: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF098701.D

Acq: 22 Sep 2017 15:47

Instrument :

BNA_F

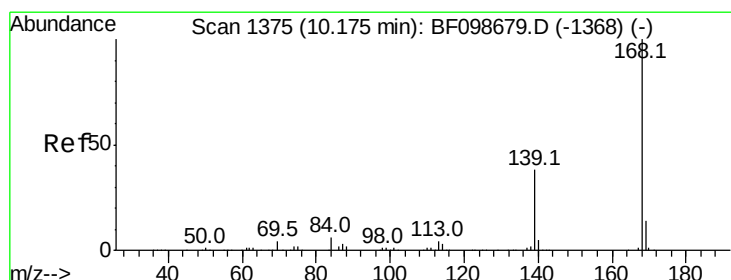
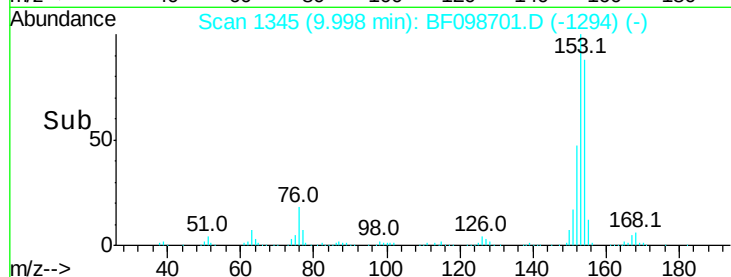
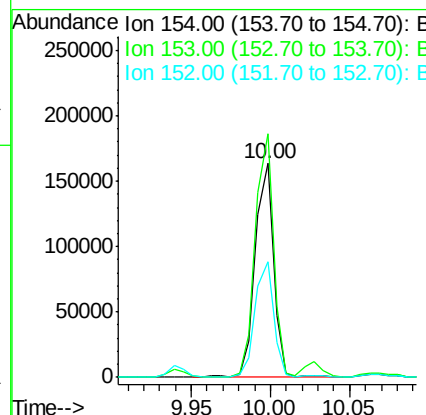
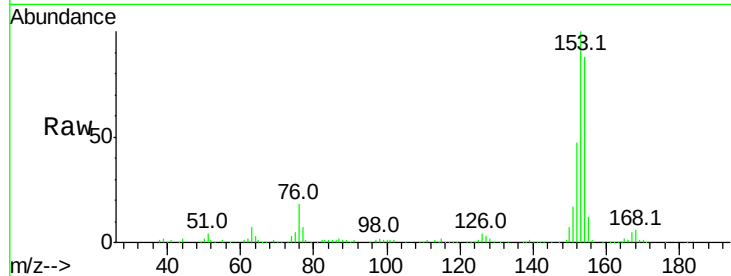
ClientSampleId :

NB-01-091917-BDL

Tot Ion:	154	Resp:	133430
Ion Ratio	Lower	Upper	
154	100		
153	113.8	91.2	136.8
152	53.7	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 7.884 ng

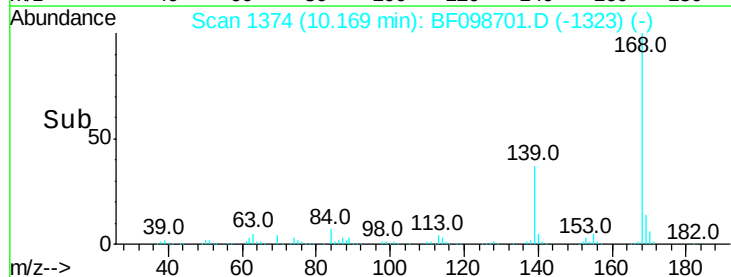
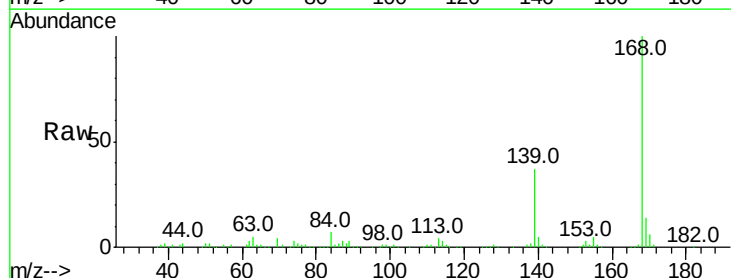
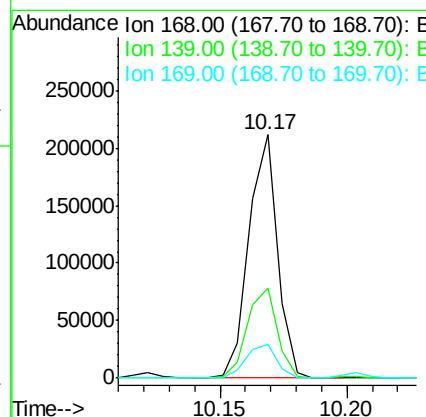
RT: 10.17 min Scan# 1374

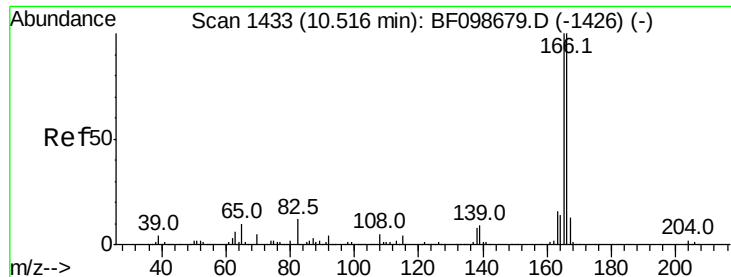
Delta R.T. -0.00 min

Lab File: BF098701.D

Acq: 22 Sep 2017 15:47

Tgt Ion:	168	Resp:	166920
Ion Ratio	Lower	Upper	
168	100		
139	37.1	30.1	45.1
169	13.8	10.9	16.3





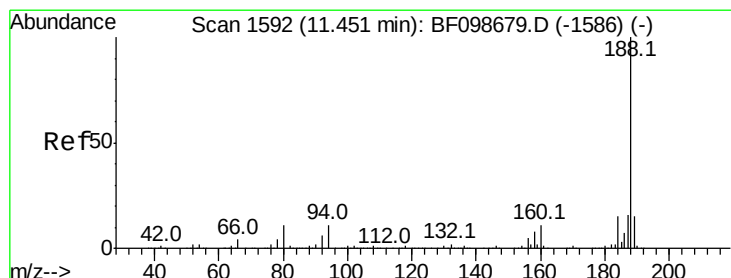
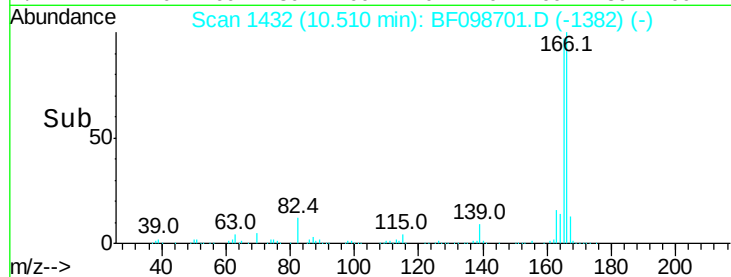
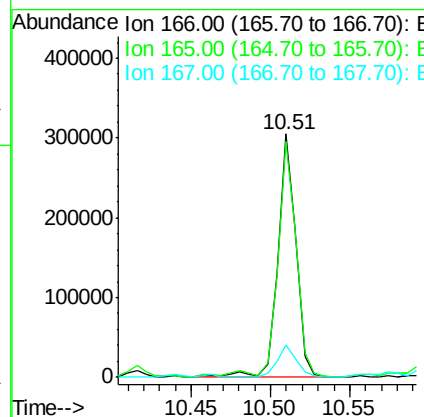
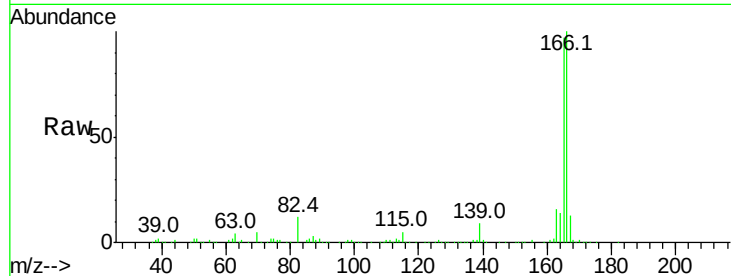
#57
Fluorene
 Concen: 14.201 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-091917-BDL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	241668		
165	96.8	79.8	119.8	
167	13.4	10.6	16.0	

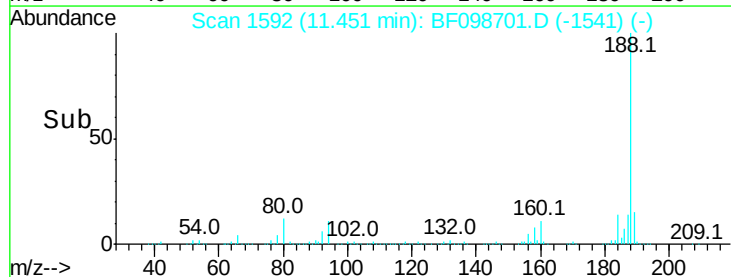
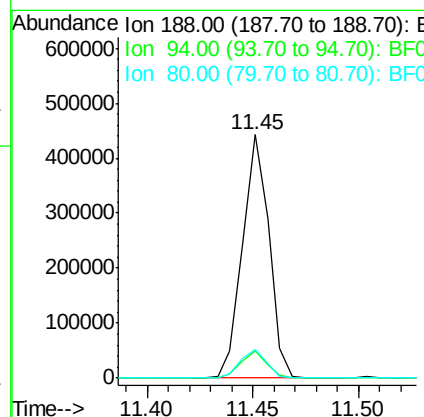
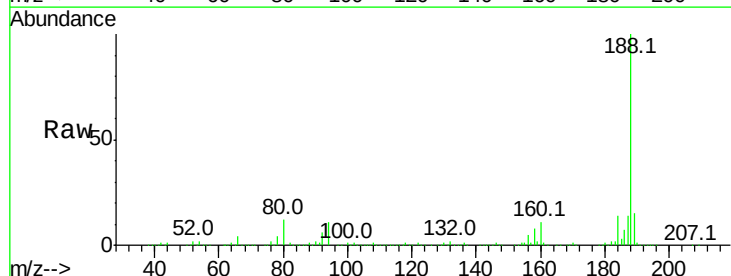
Manual Integrations
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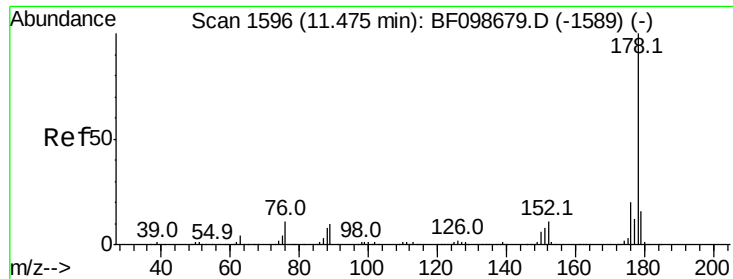
Sohil
 9/25/2017 6:21:11 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	383312		
94	11.2	8.5	12.7	
80	11.7	9.2	13.8	





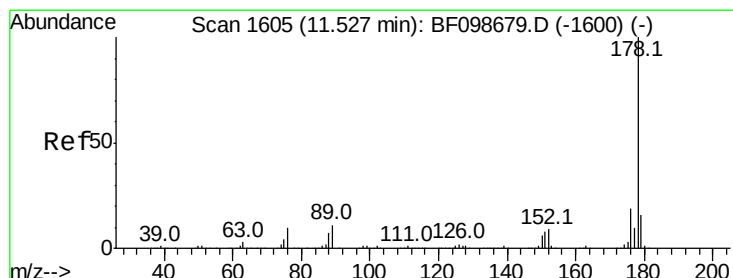
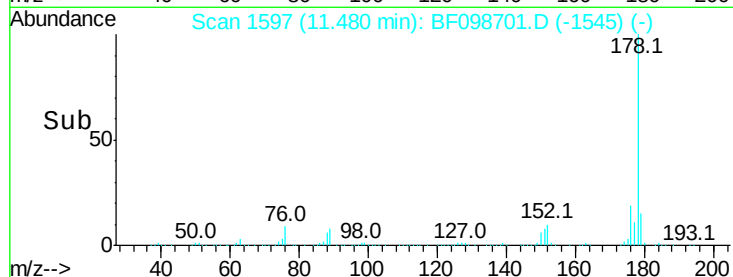
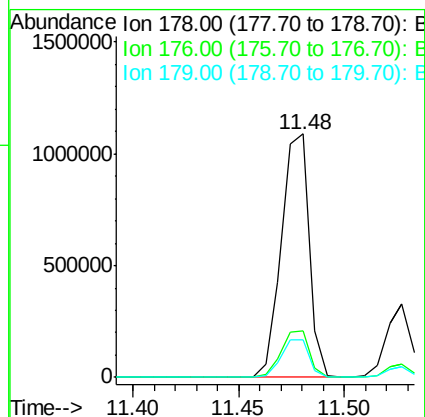
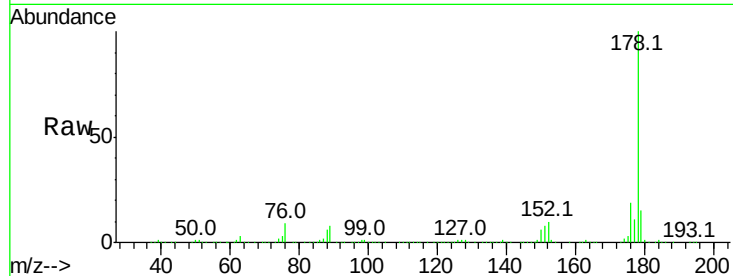
#70
Phenanthrene
Concen: 48.219 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF098701.D
Acq: 22 Sep 2017 15:47

Instrument :
BNA_F
ClientSampleId :
NB-01-091917-BDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.3	13.0	19.6

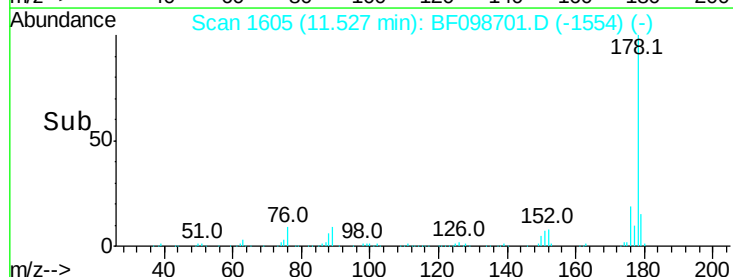
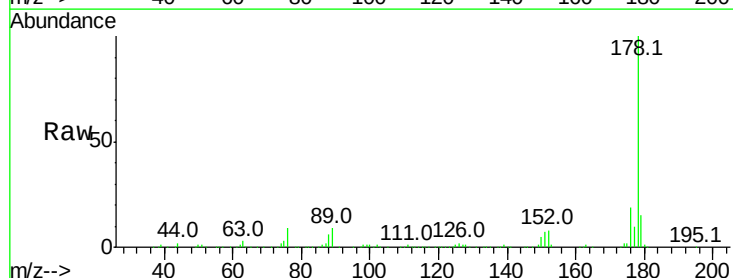
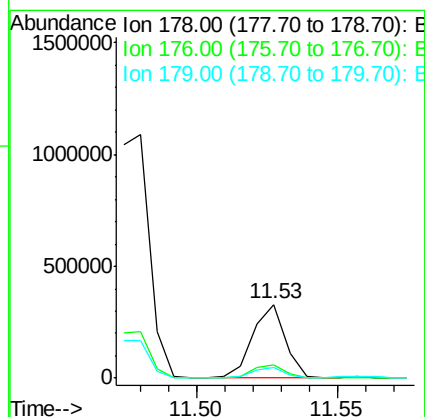
Manual Integrations
APPROVED

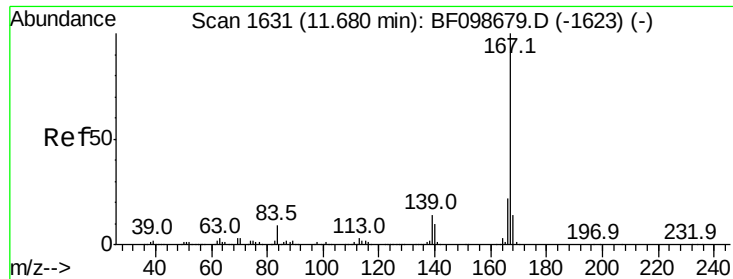
Sohil
9/25/2017 6:21:11 PM



#71
Anthracene
Concen: 12.245 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF098701.D
Acq: 22 Sep 2017 15:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.2	12.6	19.0





#72

Carbazole

Concen: 4.402 ng

RT: 11.67 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BF098701.D

Acq: 22 Sep 2017 15:47

Instrument :

BNA_F

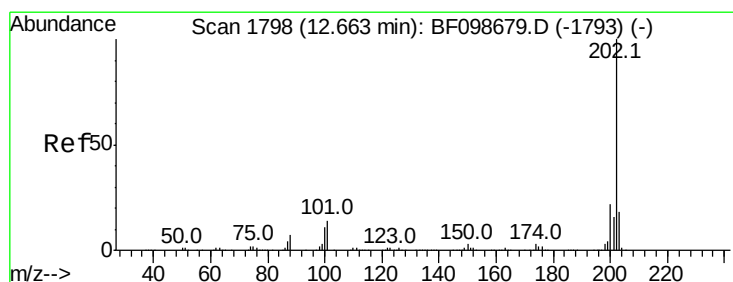
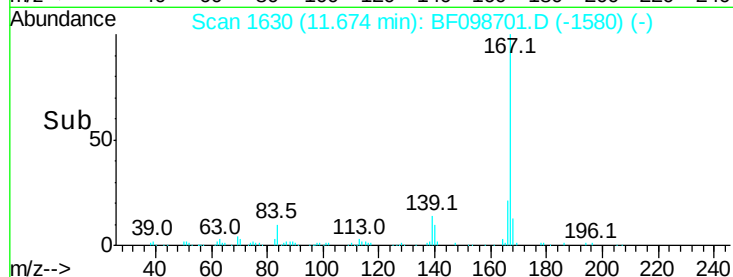
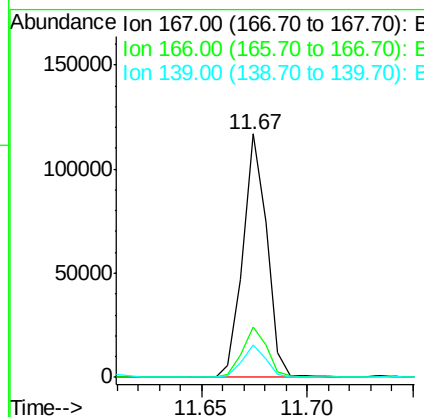
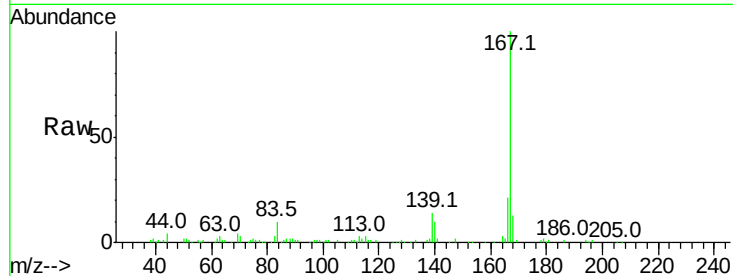
ClientSampleId :

NB-01-091917-BDL

Tot Ion:	167	Resp:	91201
Ion Ratio	Lower	Upper	
167	100		
166	20.8	17.6	26.4
139	13.6	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 29.689 ng

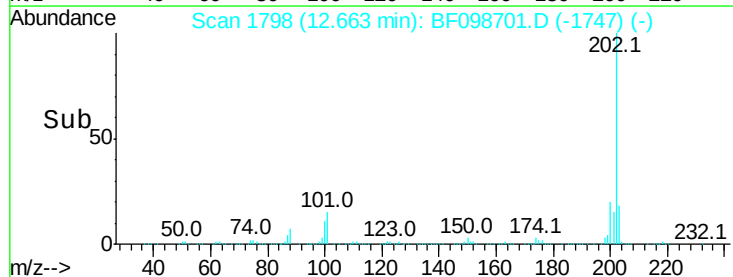
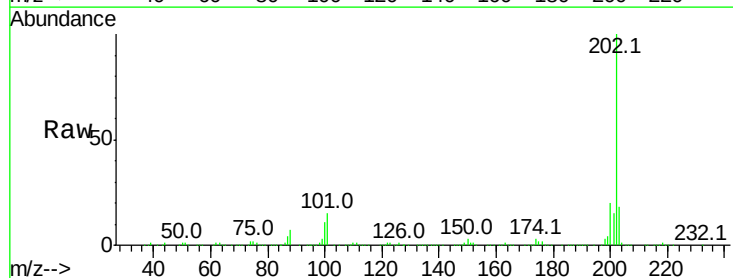
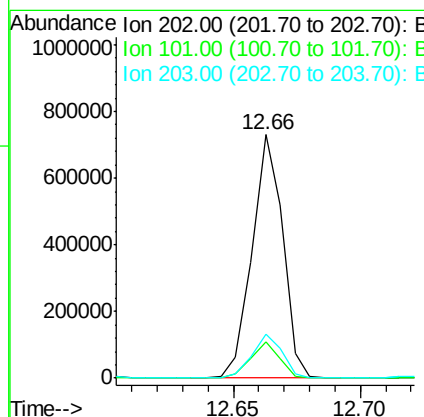
RT: 12.66 min Scan# 1798

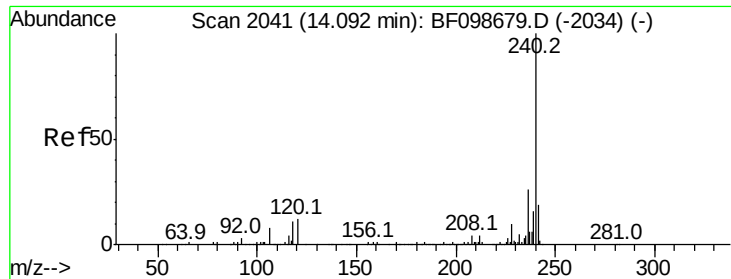
Delta R.T. 0.00 min

Lab File: BF098701.D

Acq: 22 Sep 2017 15:47

Tgt Ion:	202	Resp:	615225
Ion Ratio	Lower	Upper	
202	100		
101	14.7	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.01 min

Lab File: BF098701.D

Acq: 22 Sep 2017 15:47

Instrument :

BNA_F

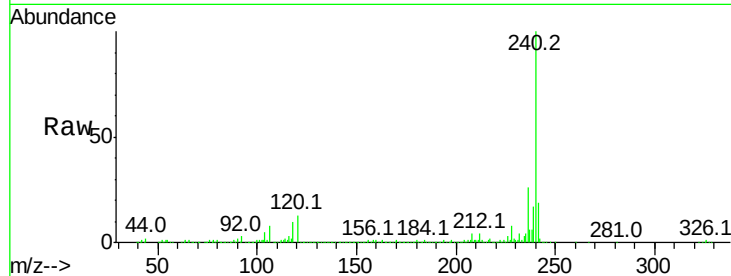
ClientSampleId :

NB-01-091917-BDL

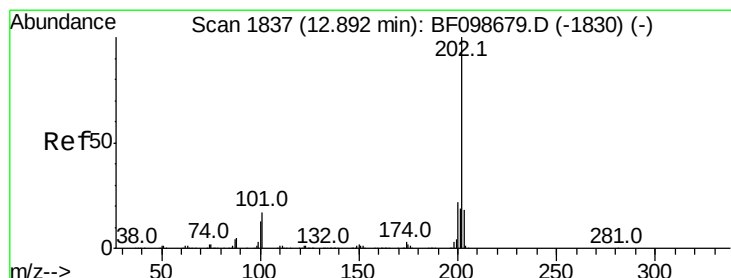
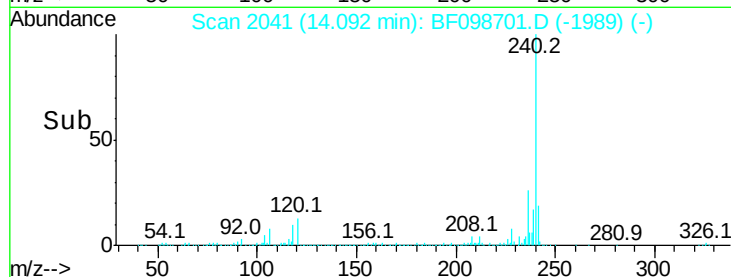
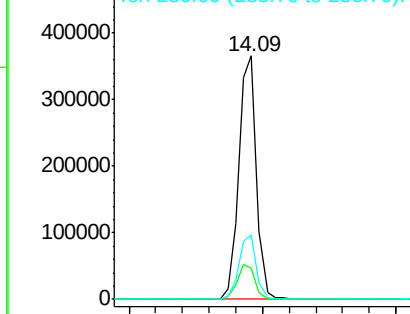
Tot Ion:	240	Resp:	336349
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.5	14.3
236	26.5	20.7	31.1

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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: 22.736 ng

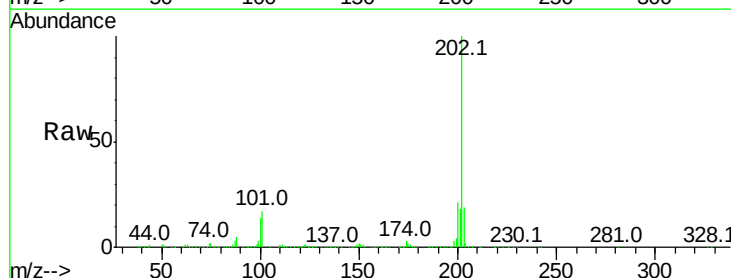
RT: 12.89 min Scan# 1837

Delta R.T. 0.00 min

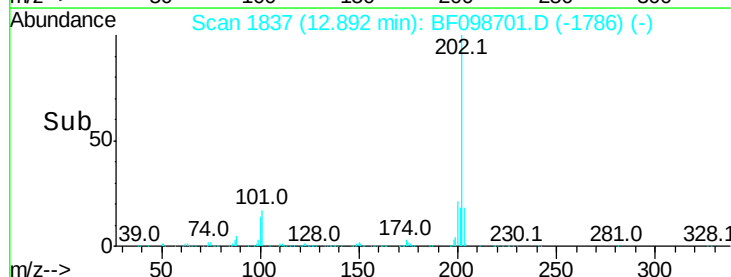
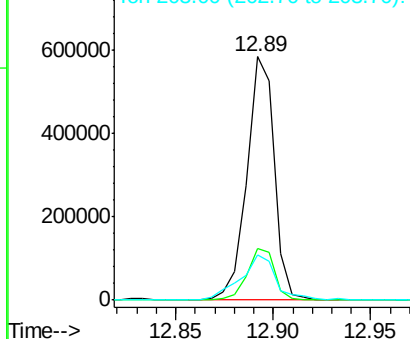
Lab File: BF098701.D

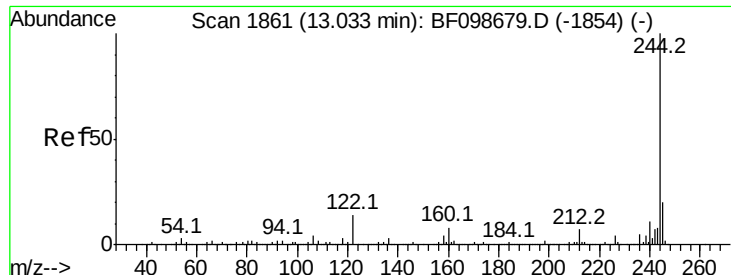
Acq: 22 Sep 2017 15:47

Tgt Ion:	202	Resp:	567739
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.7	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





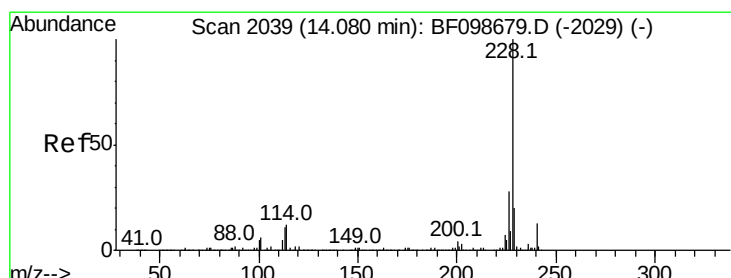
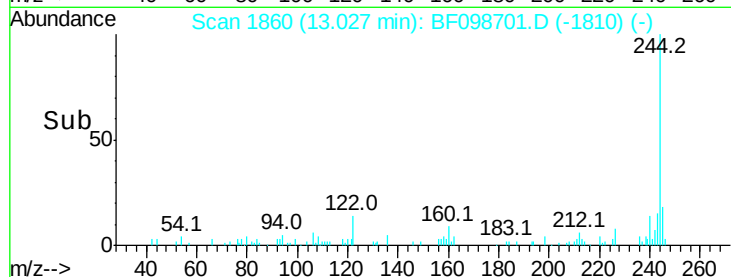
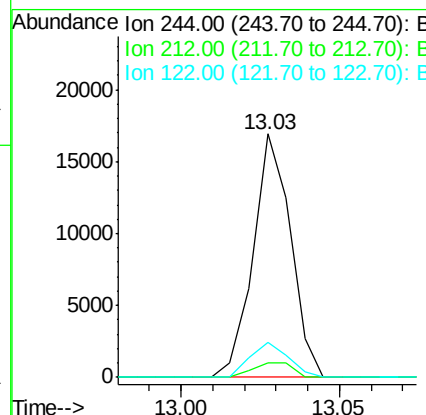
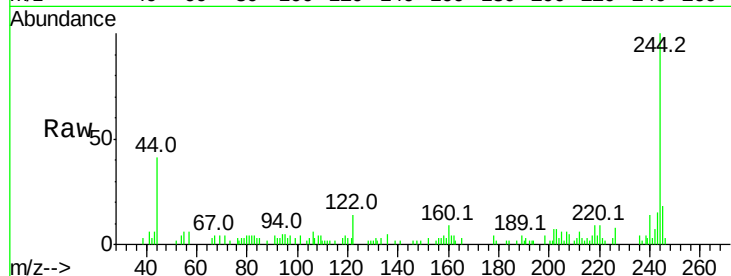
#78
 Terphenyl-d14
 Concen: 0.883 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-091917-BDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	14.4	11.0	16.4

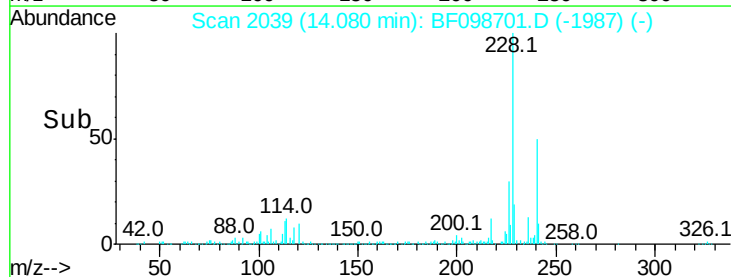
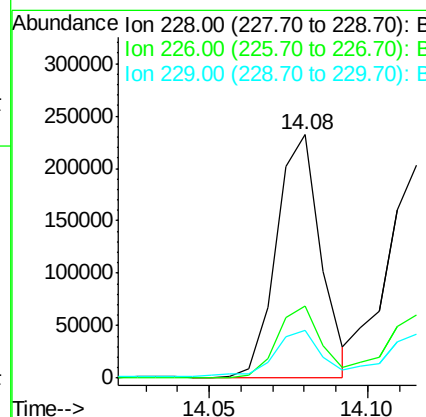
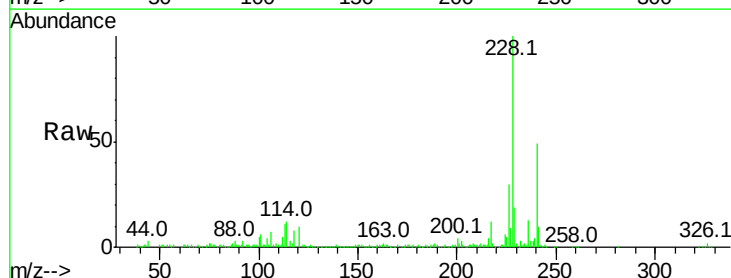
Manual Integrations
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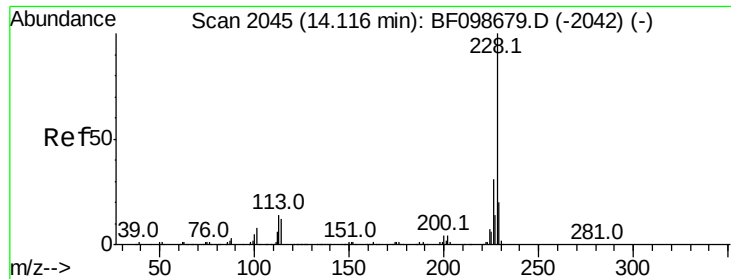
Sohil
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#80
 Benzo(a)anthracene
 Concen: 11.134 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	19.5	15.8	23.6





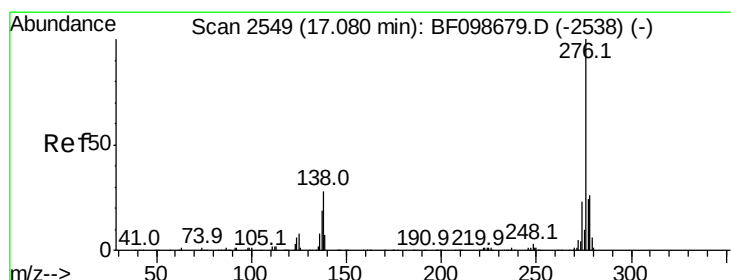
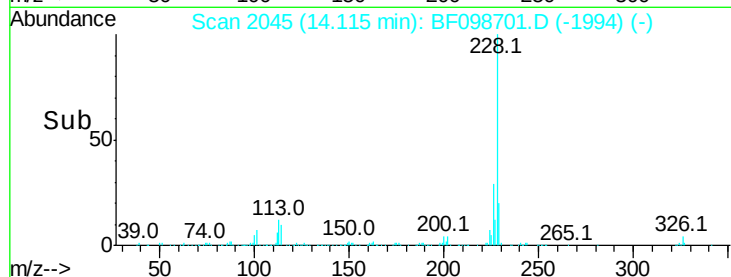
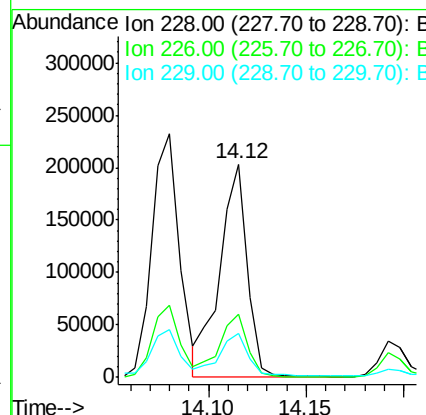
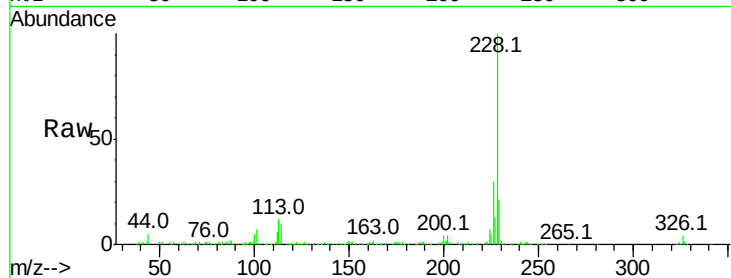
#82
Chrysene
Concen: 10.152 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BF098701.D
Acq: 22 Sep 2017 15:47

Instrument :
BNA_F
ClientSampleId :
NB-01-091917-BDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	20.6	16.2	24.4

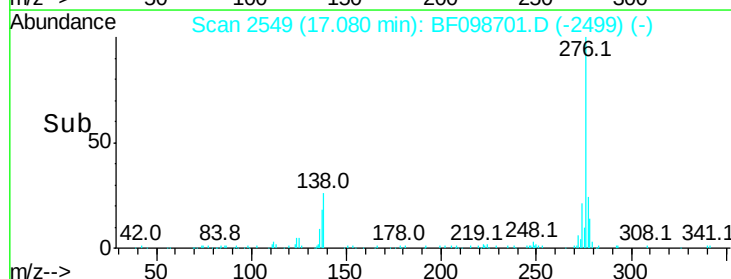
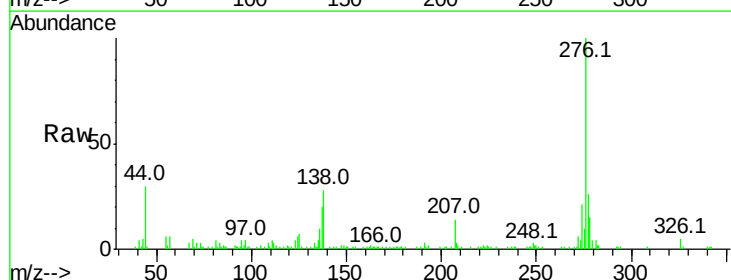
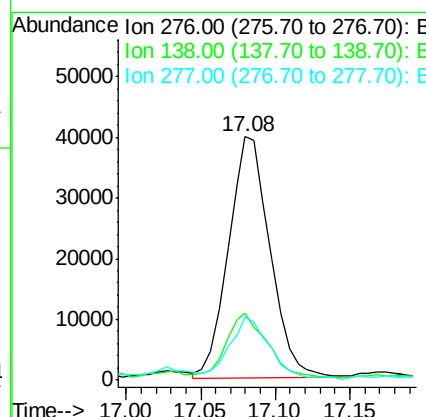
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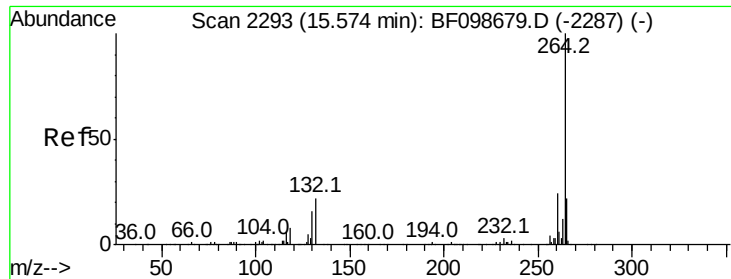
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.100 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF098701.D
Acq: 22 Sep 2017 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.0	37.6
277	26.2	20.1	30.1





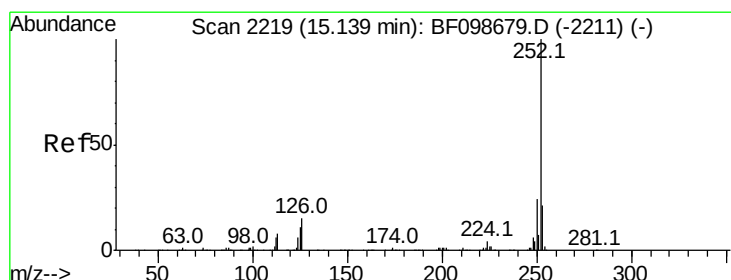
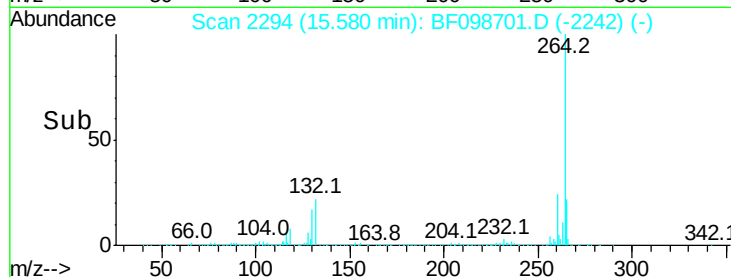
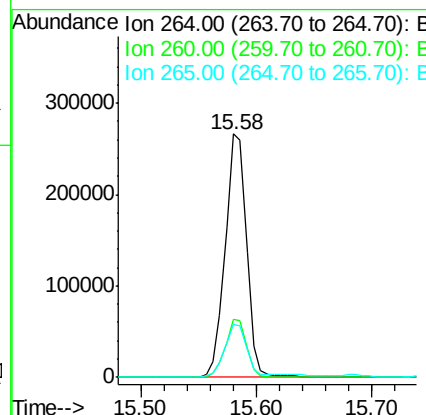
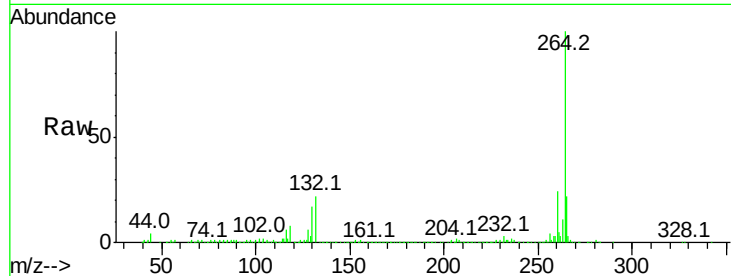
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.01 min
Lab File: BF098701.D
Acq: 22 Sep 2017 15:47

Instrument :
BNA_F
ClientSampleId :
NB-01-091917-BDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	17.5	26.3

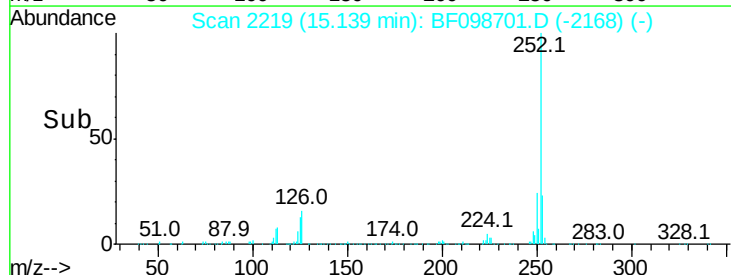
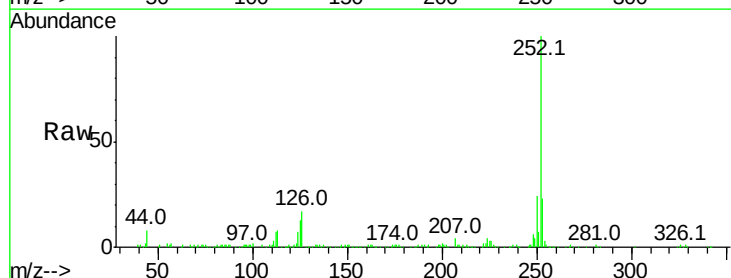
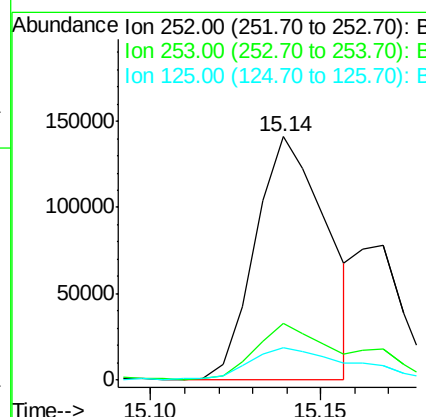
Manual Integrations
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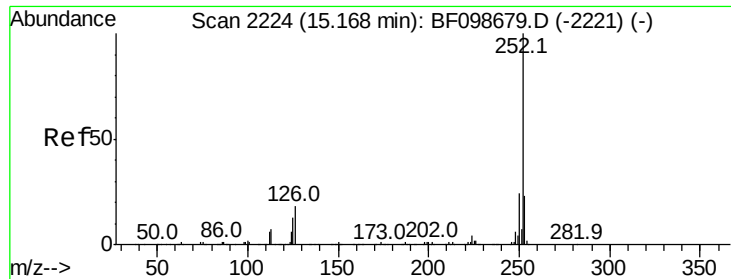
Sohil
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#87
Benzo(b)fluoranthene
Concen: 10.363 ng m
RT: 15.14 min Scan# 2219
Delta R.T. -0.00 min
Lab File: BF098701.D
Acq: 22 Sep 2017 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	13.2	9.0	13.6





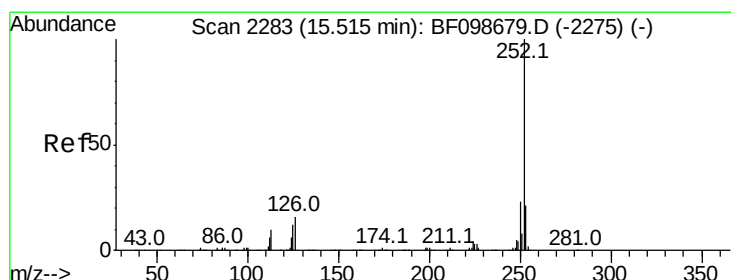
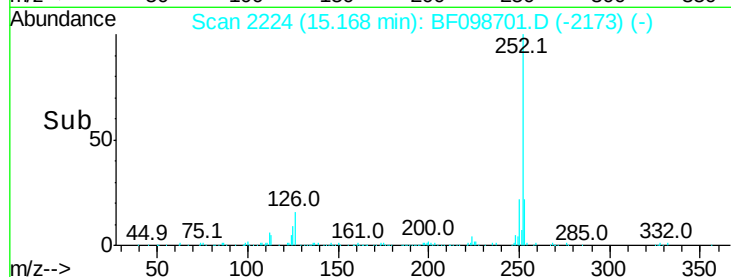
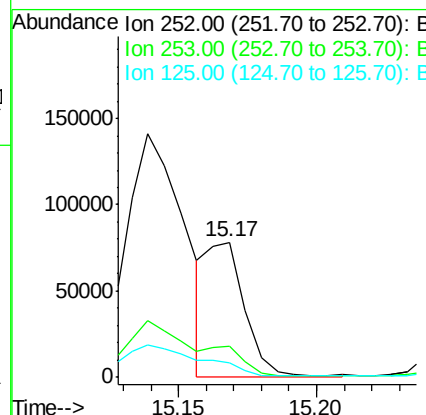
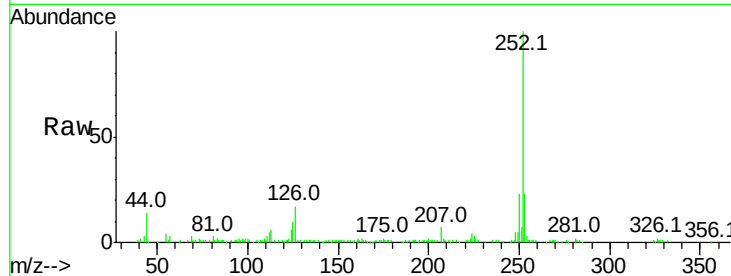
#88
Benzo(k)fluoranthene
Concen: 3.788 ng m
RT: 15.17 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF098701.D
Acq: 22 Sep 2017 15:47

Instrument :
BNA_F
ClientSampleId :
NB-01-091917-BDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	10.4	10.2	15.2

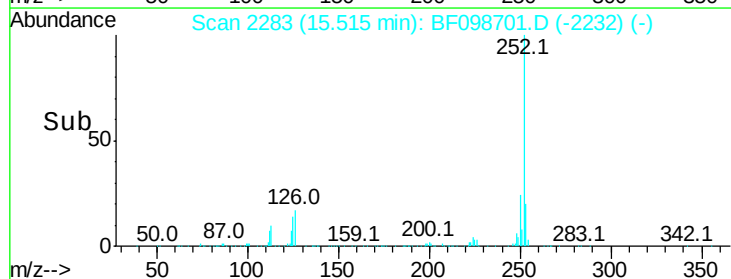
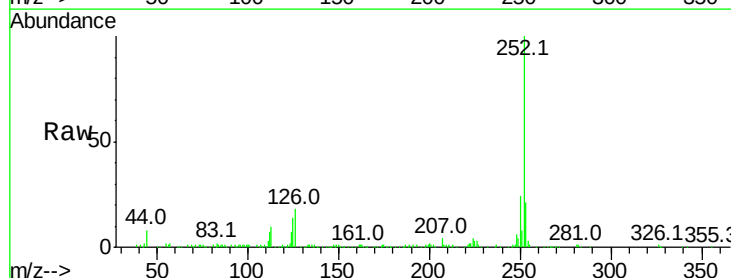
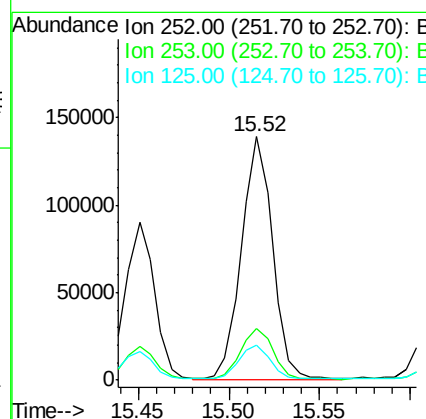
Manual Integrations
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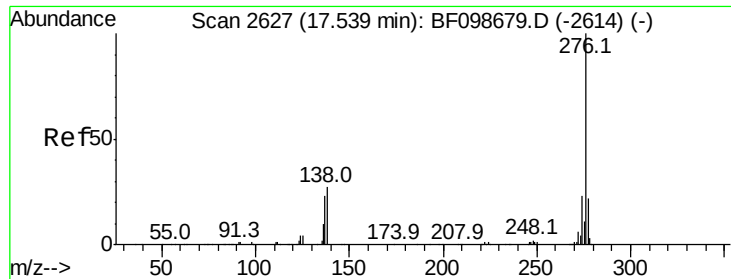
Sohil
9/25/2017 6:21:11 PM



#89
Benzo(a)pyrene
Concen: 9.181 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF098701.D
Acq: 22 Sep 2017 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.1	25.7
125	14.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.874 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. -0.01 min
 Lab File: BF098701.D
 Acq: 22 Sep 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 NB-01-091917-BDL

Tot Ion:	276	Resp:	74789
Ion Ratio	Lower	Upper	
276	100		
277	24.3	17.9	26.9
138	27.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 9/25/2017 6:21:11 PM

