

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099402.D
 Acq On : 12 Oct 2017 18:40
 Operator : SJ/JU
 Sample : I5729-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2N-(1-2)

Manual Integrations
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Sohil
 10/13/2017 3:05:41 PM

Quant Time: Oct 13 04:32:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	114217	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	461832	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	186008	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	269754	20.00	ng	0.00
75) Chrysene-d12	14.02	240	204186	20.00	ng	0.00
86) Perylene-d12	15.49	264	182924	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	667663	93.06	ng	0.01
7) Phenol-d6	6.49	99	812260	91.77	ng	0.00
23) Nitrobenzene-d5	7.42	82	472054	65.55	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	131069	86.11	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	821475	73.73	ng	0.00
78) Terphenyl-d14	12.96	244	520507	57.97	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.50	94	22377	2.261	ng	93
31) Naphthalene	8.16	128	113027	5.211	ng	99
37) 2-Methylnaphthalene	8.85	142	84948	6.024	ng	96
49) Dimethylphthalate	9.60	163	137107	9.766	ng	99
54) Dibenzofuran	10.09	168	55312	3.569	ng	# 95
57) Fluorene	10.43	166	29937	2.403	ng	# 97
70) Phenanthrene	11.40	178	452288	31.324	ng	99
71) Anthracene	11.45	178	93072	6.300	ng	98
72) Carbazole	11.61	167	61268	4.235	ng	99
74) Fluoranthene	12.59	202	633646	43.337	ng	98
77) Pyrene	12.82	202	638351	40.999	ng	99
80) Benzo(a)anthracene	14.01	228	312644m	25.287	ng	
82) Chrysene	14.04	228	300591	25.536	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	120113	12.756	ng	99
87) Benzo(b)fluoranthene	15.06	252	358911m	31.912	ng	
88) Benzo(k)fluoranthene	15.09	252	117958m	10.619	ng	
89) Benzo(a)pyrene	15.43	252	216766	20.997	ng	# 94
90) Dibenzo(a,h)anthracene	16.97	278	32729	3.961	ng	# 74
91) Benzo(a,h,i)perylene	17.43	276	109560	13.415	ng	93

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

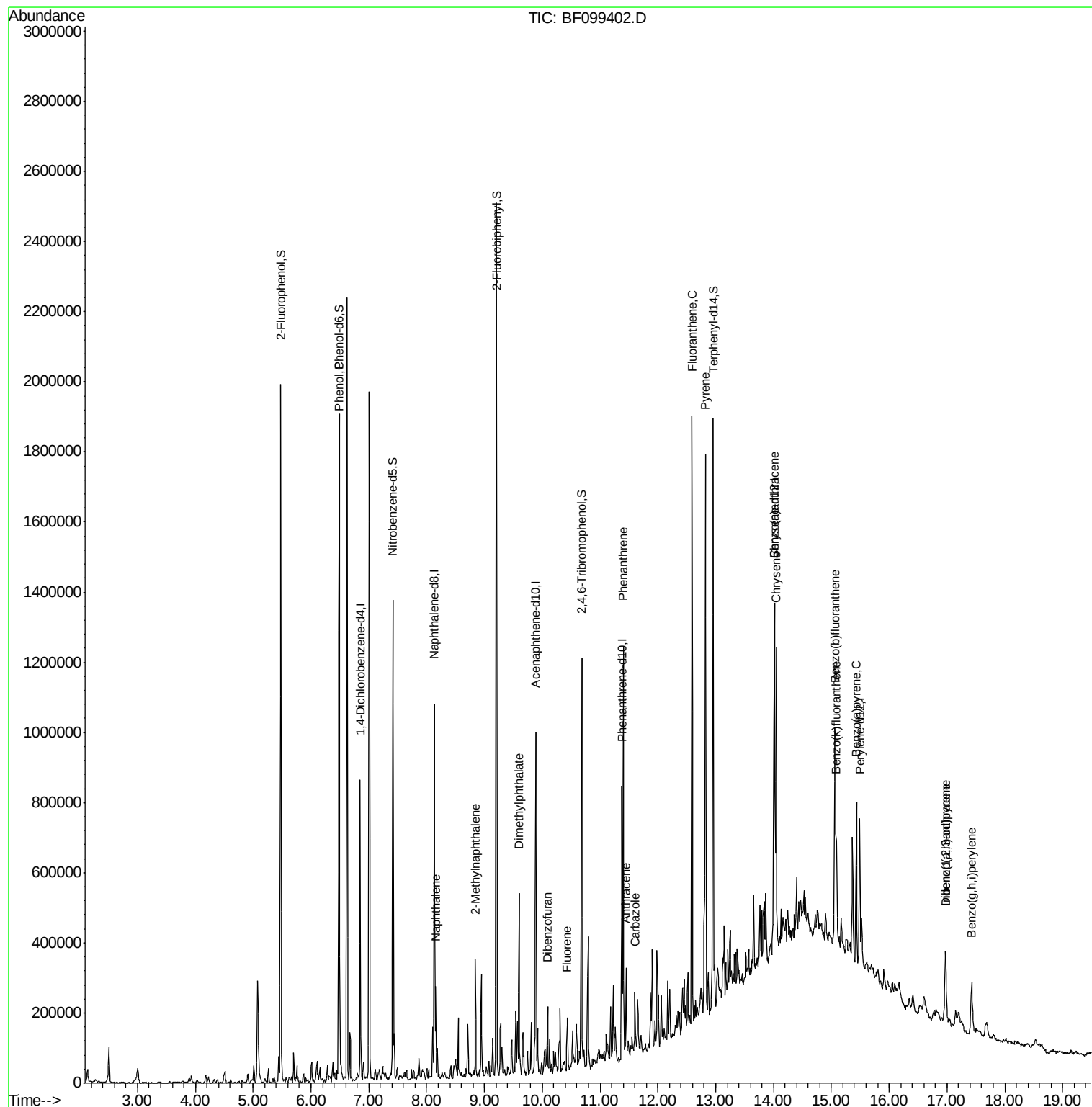
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099402.D
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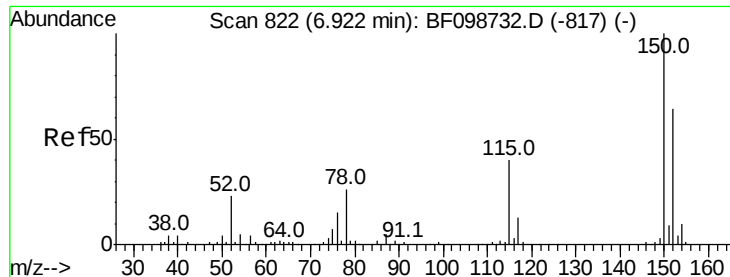
Instrument :
BNA_F
ClientSampleId :
2N-(1-2)

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Quant Time: Oct 13 04:32:40 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

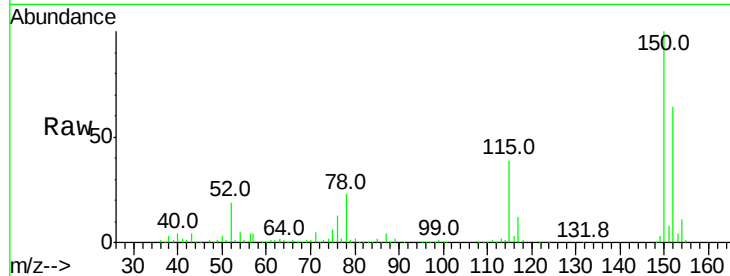
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Instrument :
BNA_F
ClientSampleId :
2N-(1-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	61.1	50.1	75.1

Manual Integrations
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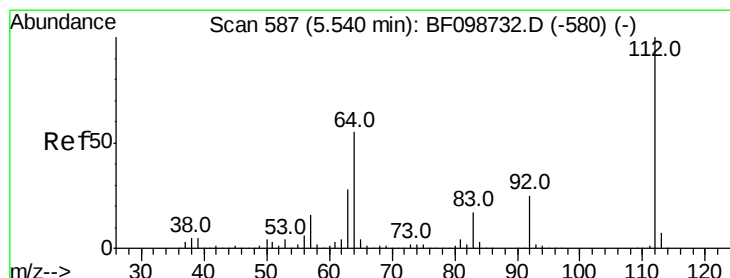
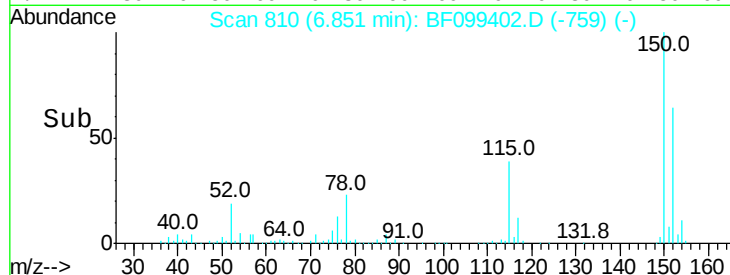
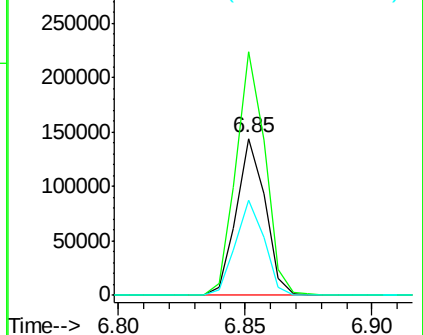


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

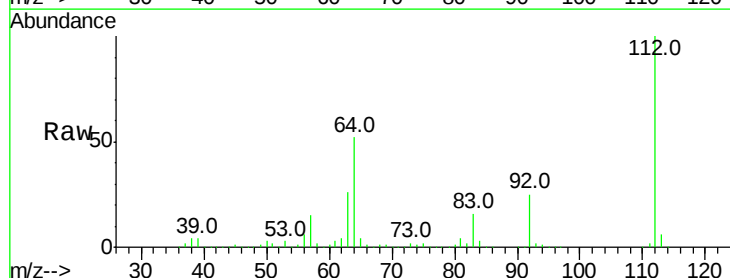
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.056 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	47.9	71.9
63	25.6	23.7	35.5

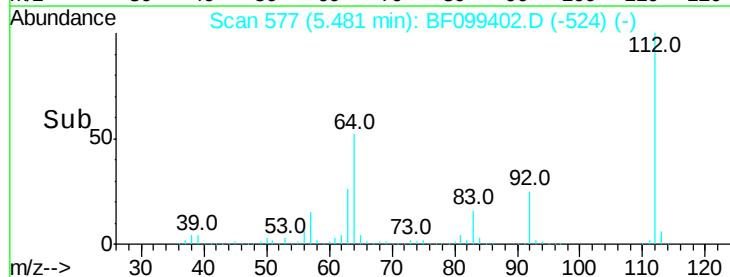
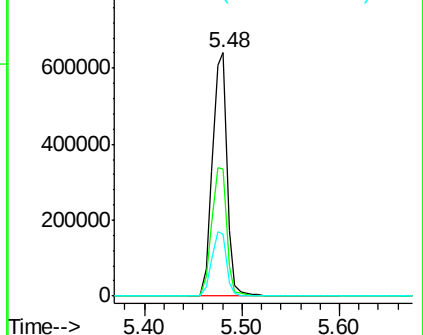


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 91.770 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF099402.D

Acq: 12 Oct 2017 18:40

Instrument :

BNA_F

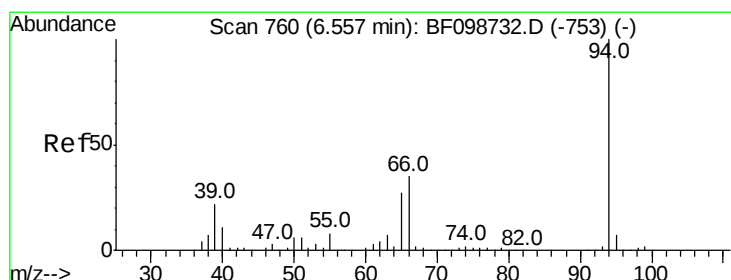
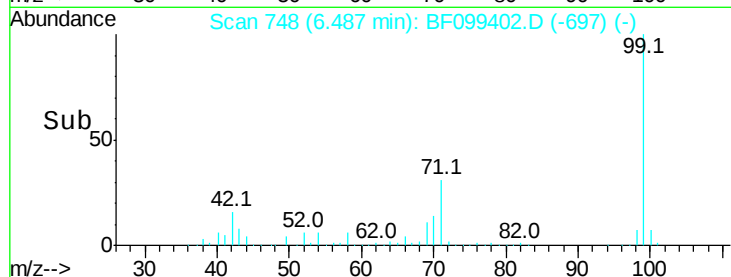
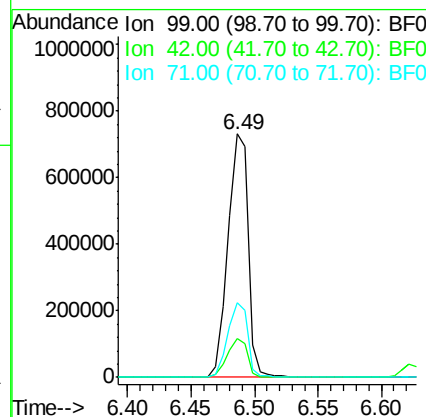
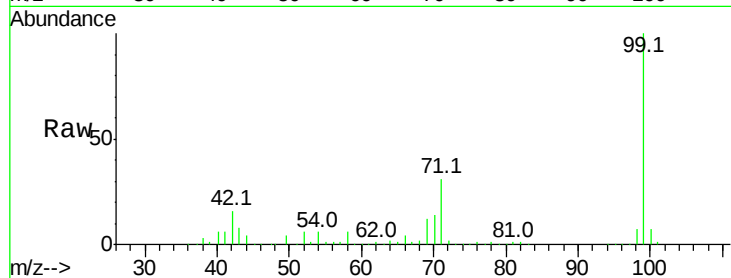
ClientSampled :

2N-(1-2)

Tot Ion:	99	Resp:	812260
Ion Ratio	Lower	Upper	
99	100		
42	15.8	14.5	21.7
71	30.6	25.4	38.0

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#10

Phenol

Concen: 2.261 ng

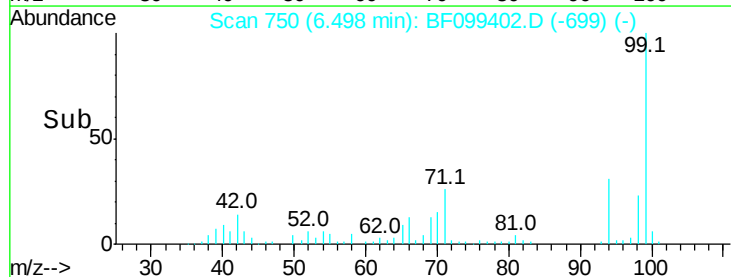
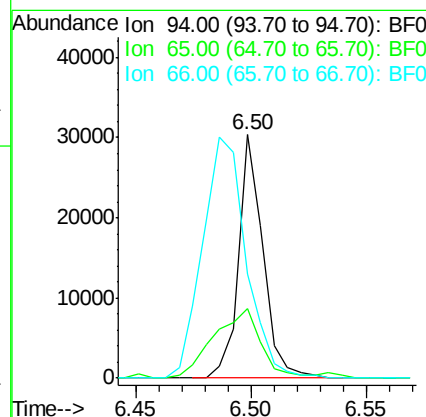
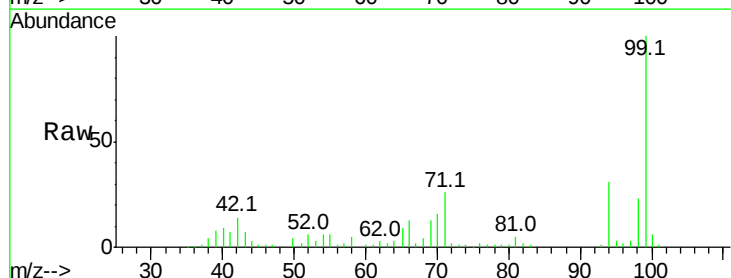
RT: 6.50 min Scan# 750

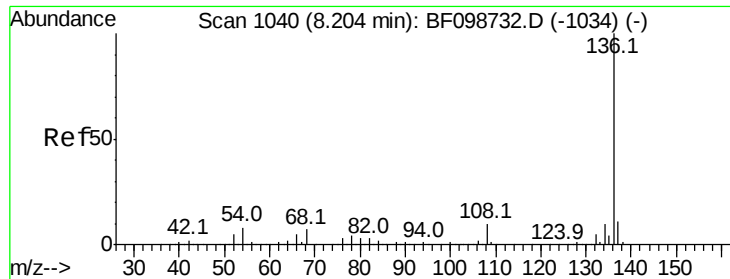
Delta R.T. 0.00 min

Lab File: BF099402.D

Acq: 12 Oct 2017 18:40

Tgt Ion:	94	Resp:	22377
Ion Ratio	Lower	Upper	
94	100		
65	28.6	7.9	47.9
66	43.0	16.2	56.2





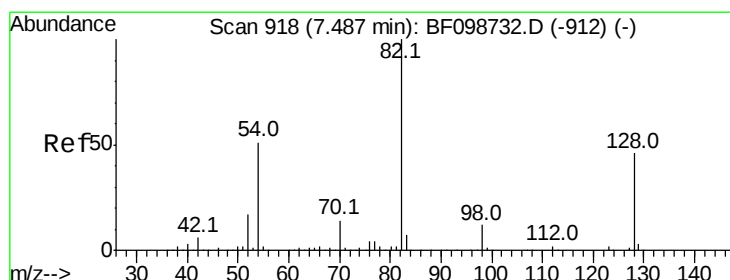
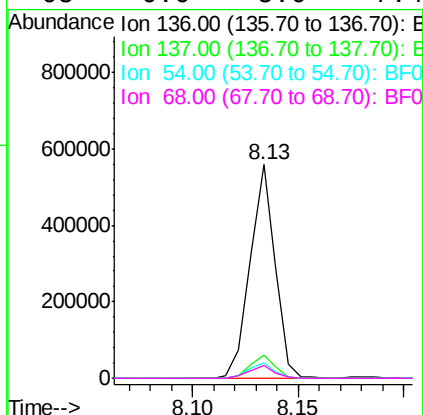
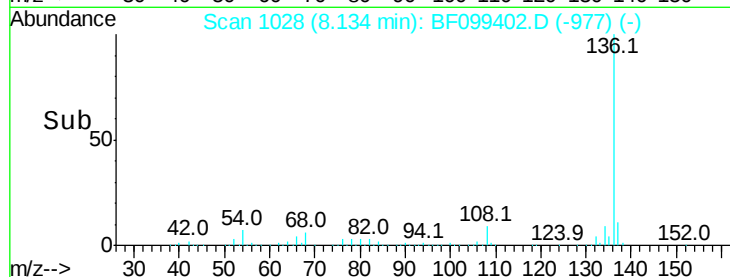
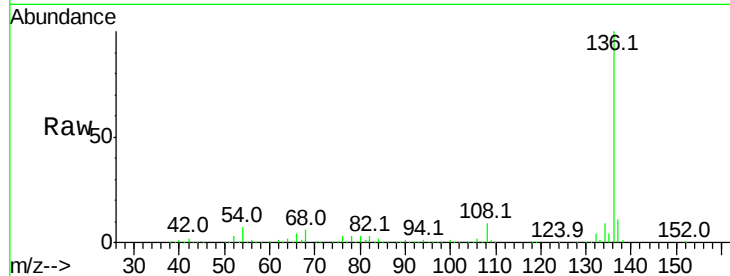
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Instrument :
BNA_F
ClientSampleId :
2N-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	7.1	6.6	9.8	
68	6.0	5.0	7.4	

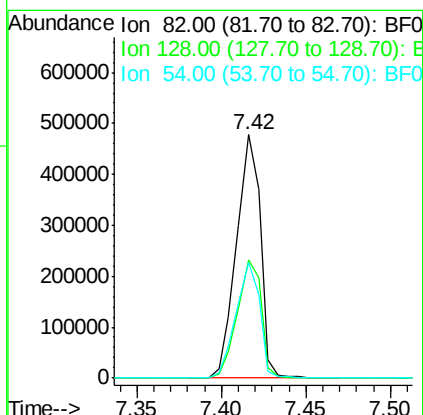
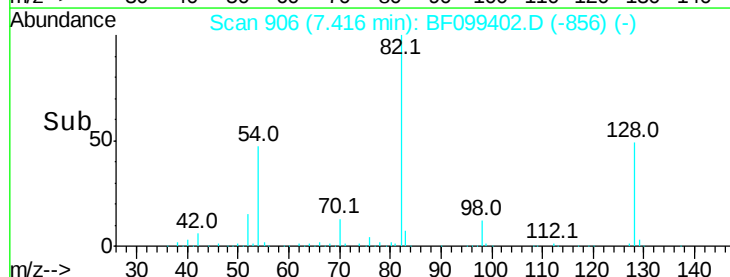
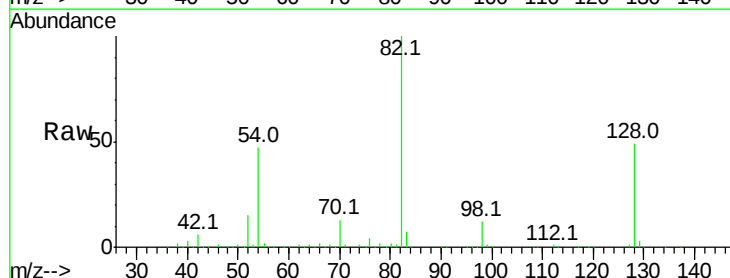
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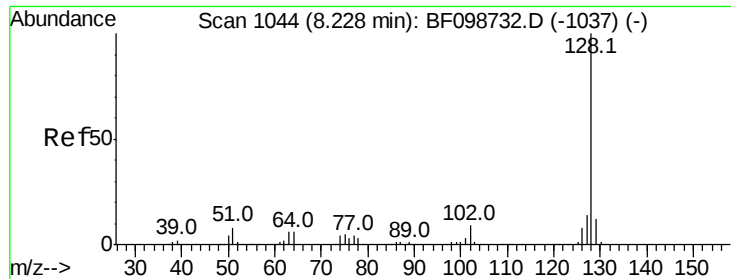
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#23
Nitrobenzene-d5
Concen: 65.550 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.7	36.1	54.1	
54	47.4	41.4	62.2	





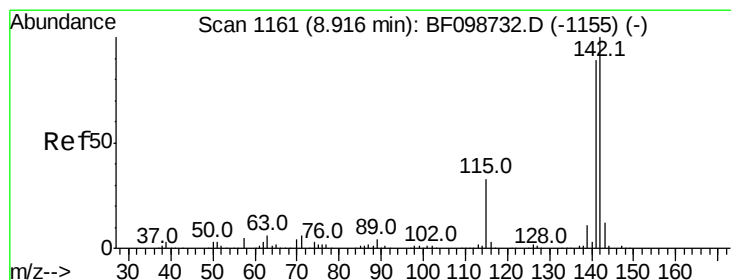
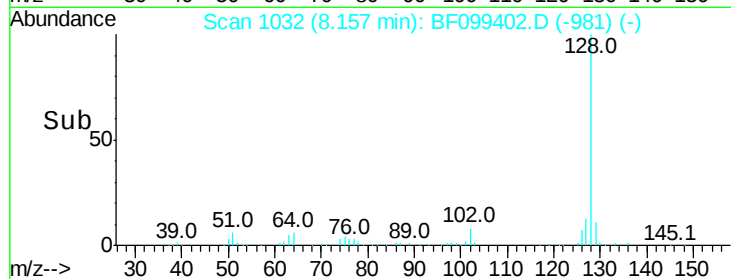
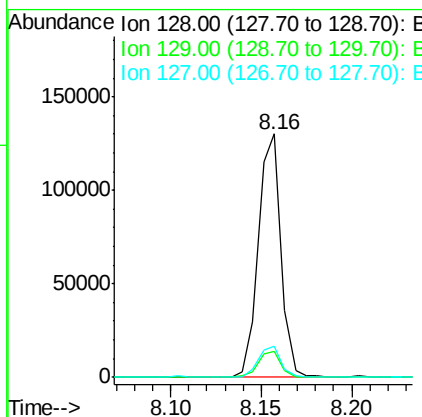
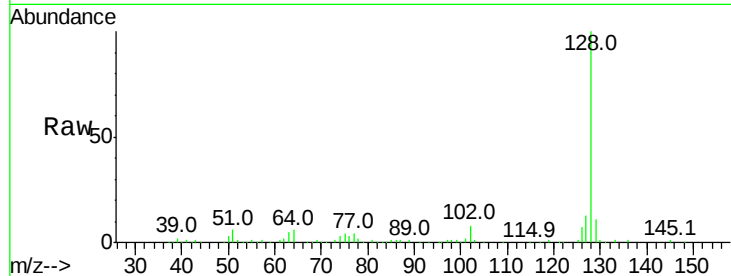
#31
Naphthalene
Concen: 5.211 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Instrument :
BNA_F
ClientSampled :
2N-(1-2)

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

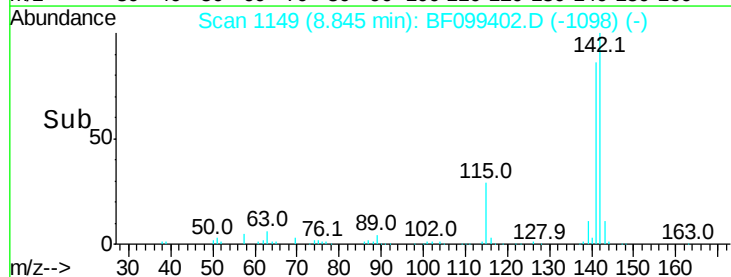
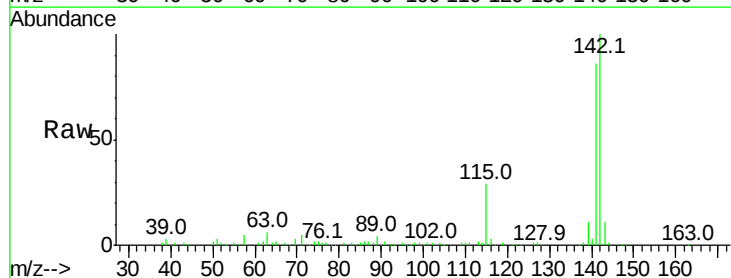
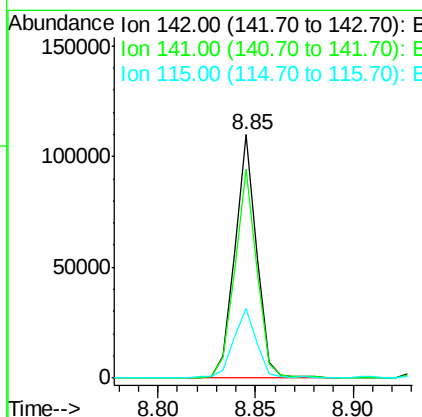
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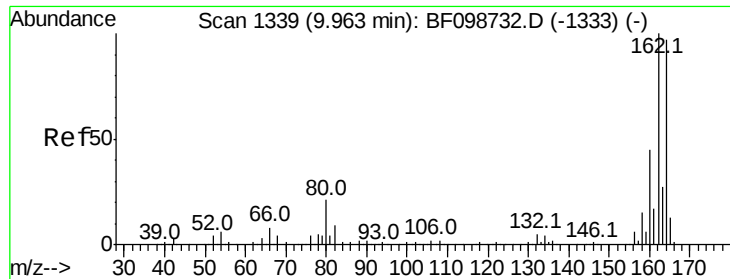
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#37
2-Methylnaphthalene
Concen: 6.024 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	85.8	70.8	106.2
115	28.5	26.1	39.1





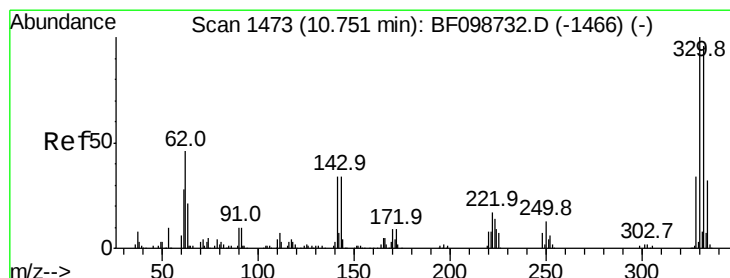
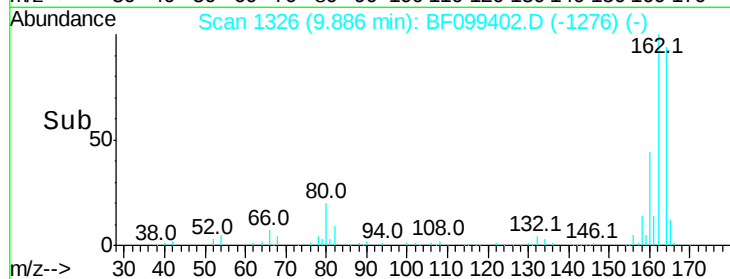
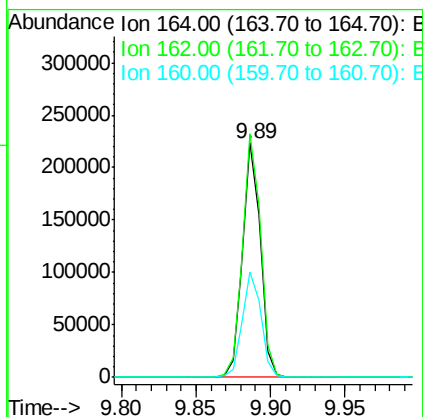
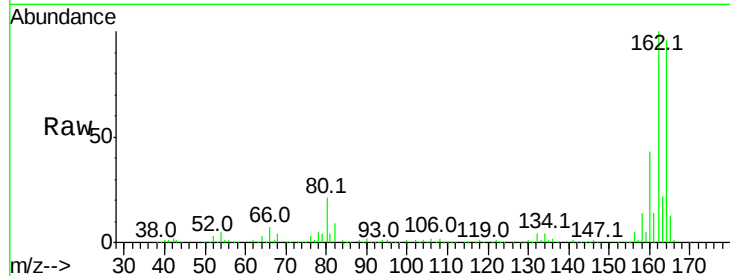
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099402.D
 Acq: 12 Oct 2017 18:40

Instrument :
 BNA_F
 ClientSampleId :
 2N-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.9	86.1	129.1	
160	45.2	38.3	57.5	

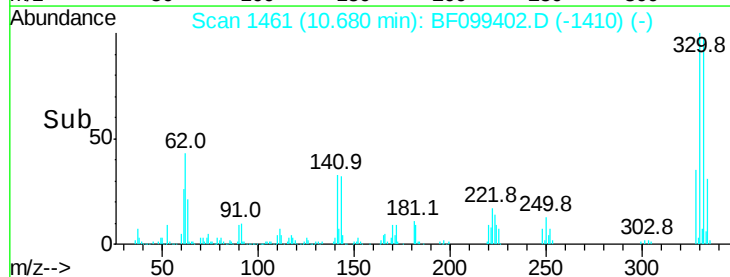
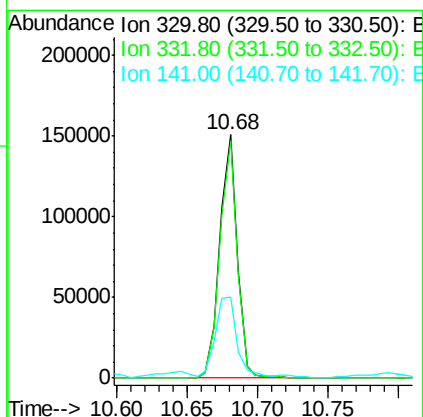
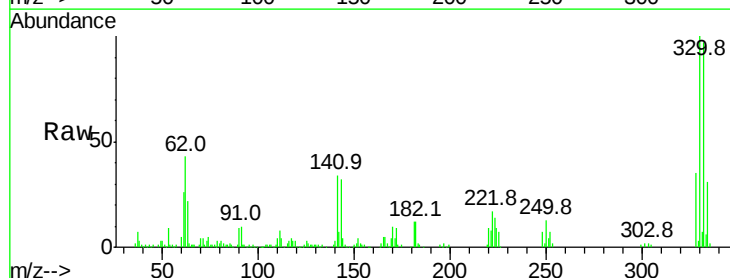
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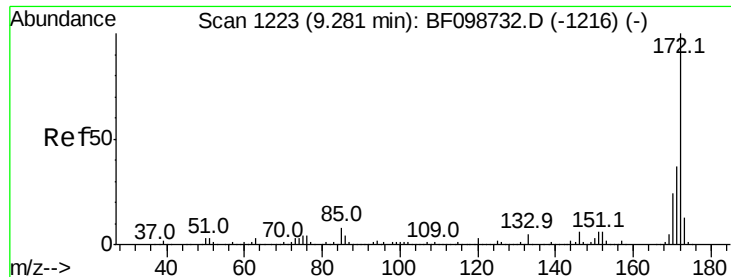
Sohil
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#41
 2,4,6-Tribromophenol
 Concen: 86.113 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF099402.D
 Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	77.0	115.6	
141	41.9	29.9	44.9	





#44

2-Fluorobiphenyl

Concen: 73.727 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF099402.D

Acq: 12 Oct 2017 18:40

Instrument :

BNA_F

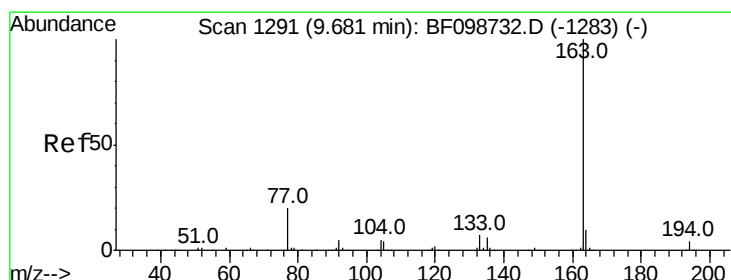
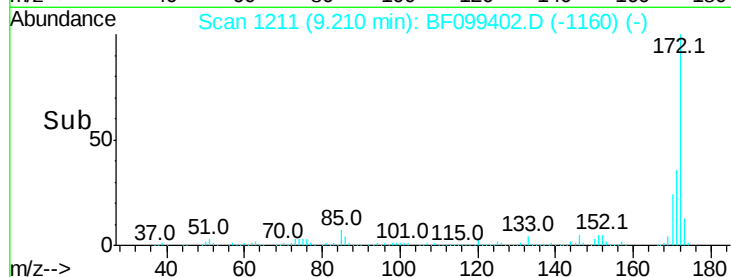
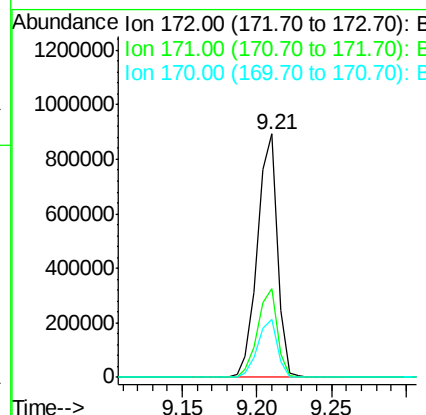
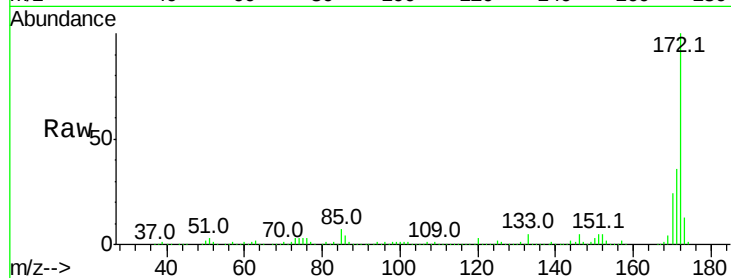
ClientSampleId :

2N-(1-2)

Tot Ion:	172	Resp:	821475
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.7	44.5
170	23.6	19.6	29.4

Manual Integrations
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#49

Dimethylphthalate

Concen: 9.766 ng

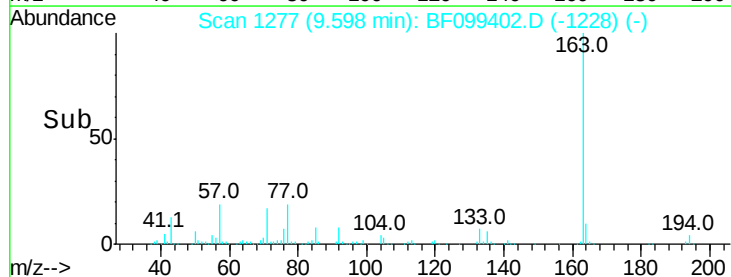
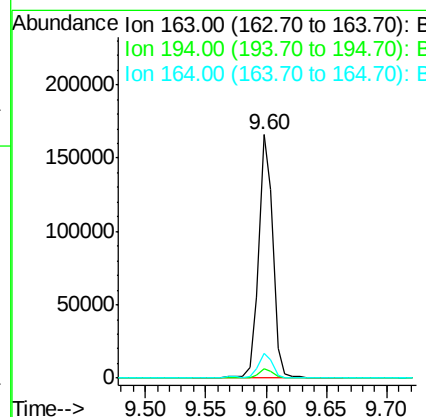
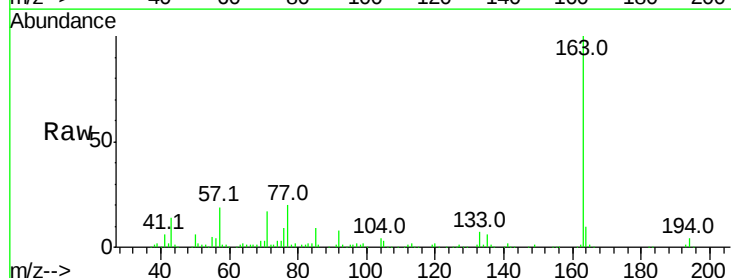
RT: 9.60 min Scan# 1277

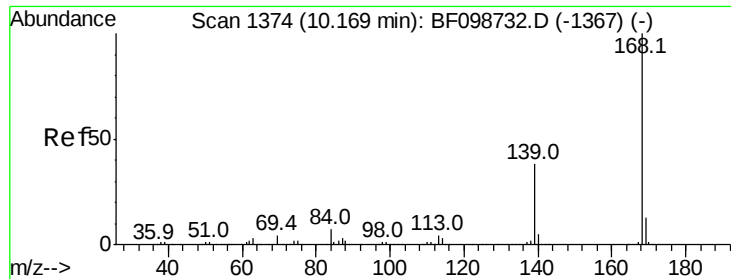
Delta R.T. -0.01 min

Lab File: BF099402.D

Acq: 12 Oct 2017 18:40

Tgt Ion:	163	Resp:	137107
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.0	8.2	12.2





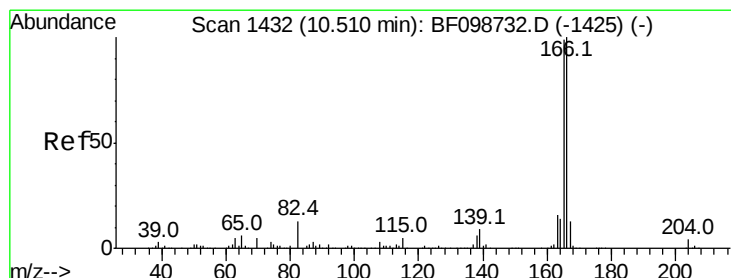
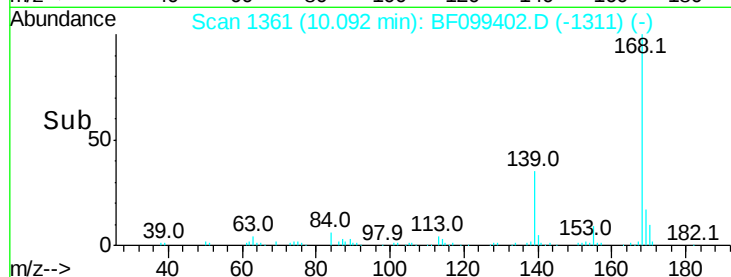
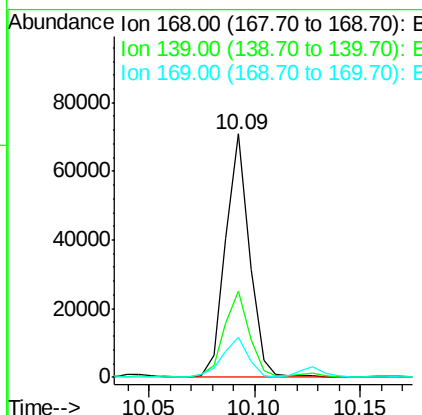
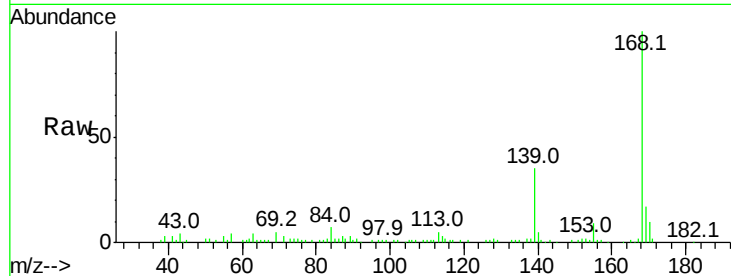
#54
Dibenzenofuran
Concen: 3.569 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Instrument :
BNA_F
ClientSampleId :
2N-(1-2)

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.2	30.1	45.1
169	16.5	10.9	16.3

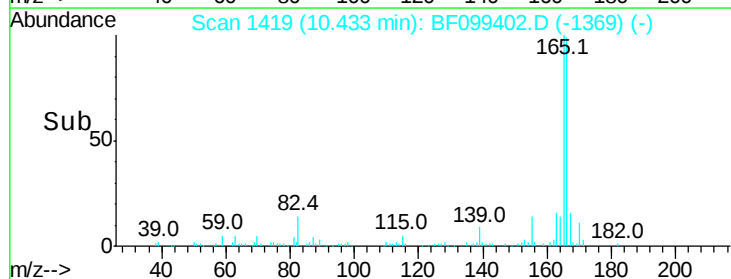
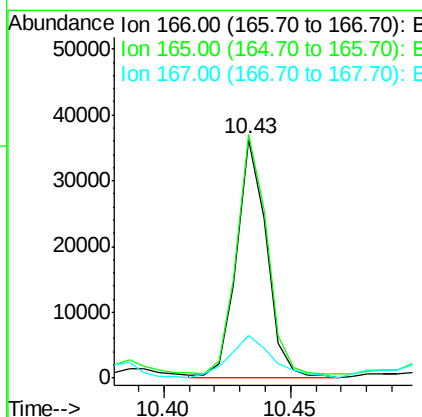
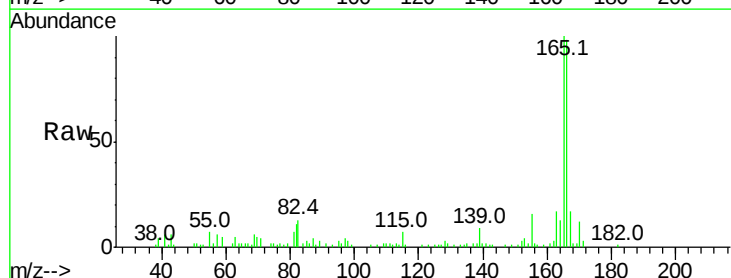
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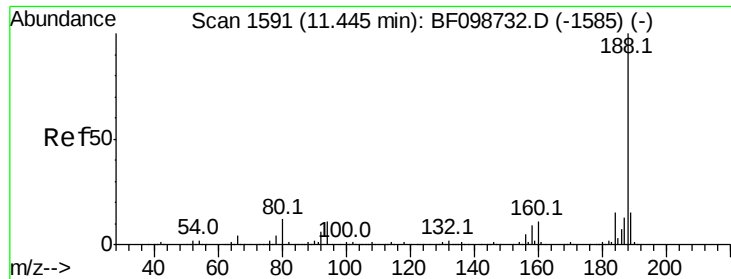
Sohil
10/13/2017 3:05:41 PM



#57
Fluorene
Concen: 2.403 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.9	79.8	119.8
167	17.7	10.6	16.0





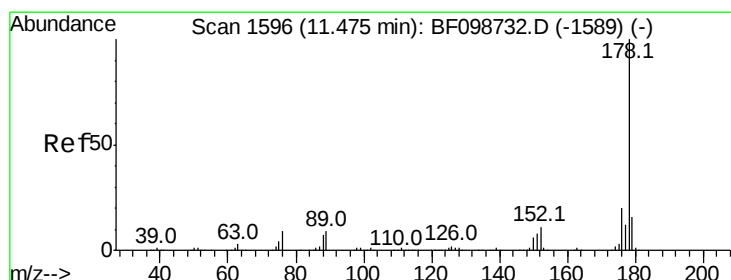
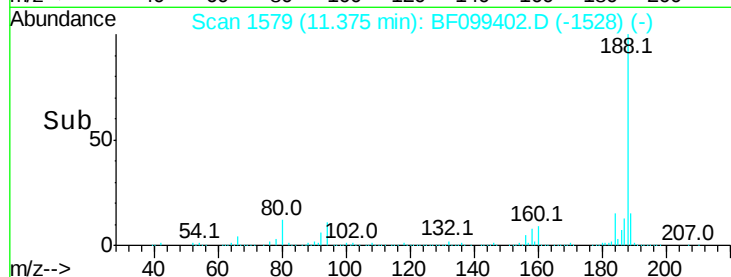
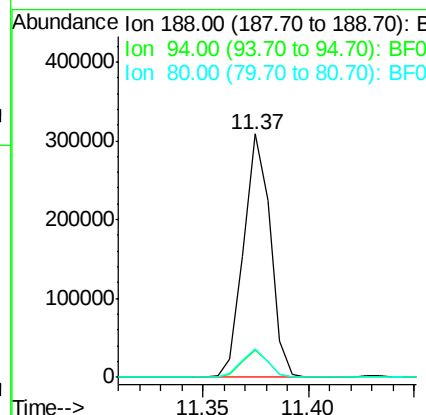
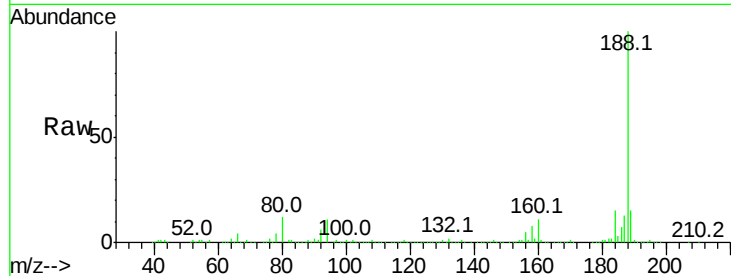
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Instrument :
BNA_F
ClientSampleId :
2N-(1-2)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	269754		
94	11.2		8.5	12.7
80	11.9		9.2	13.8

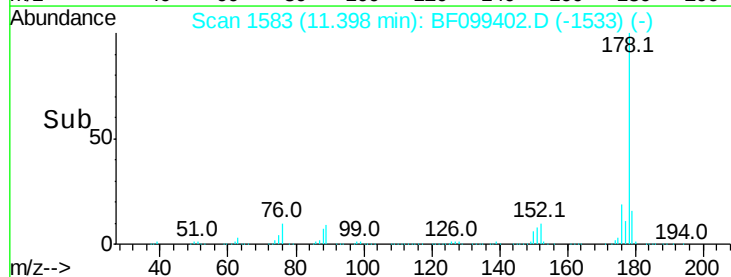
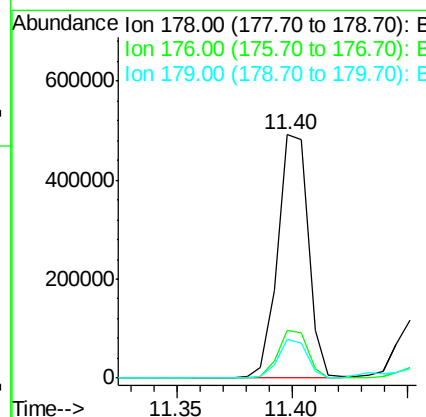
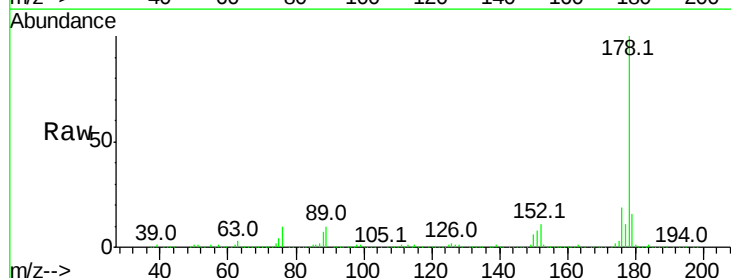
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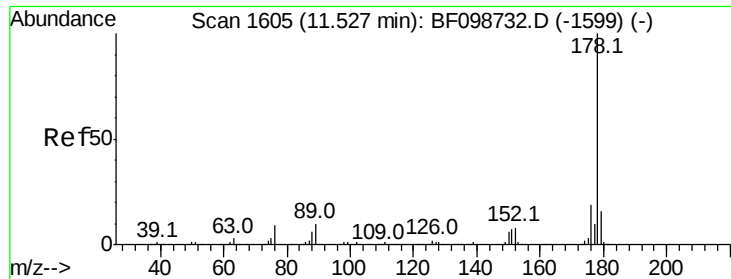
Sohil
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#70
Phenanthrene
Concen: 31.324 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	452288		
176	19.4		15.8	23.8
179	15.8		13.0	19.6





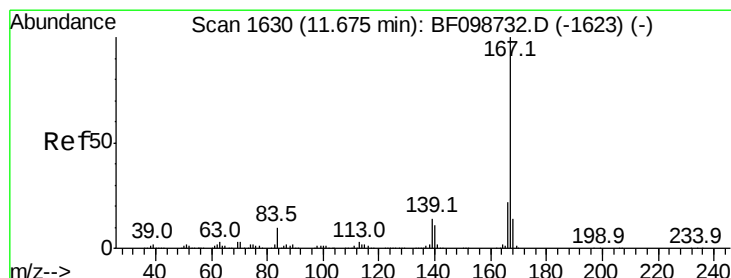
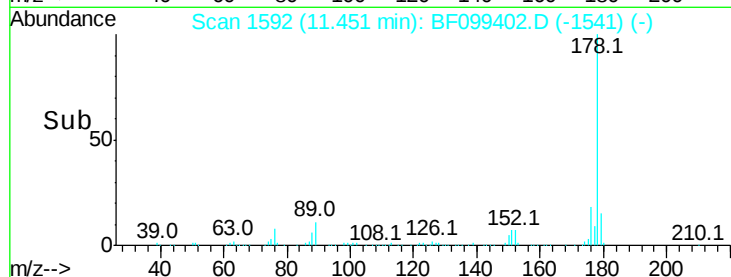
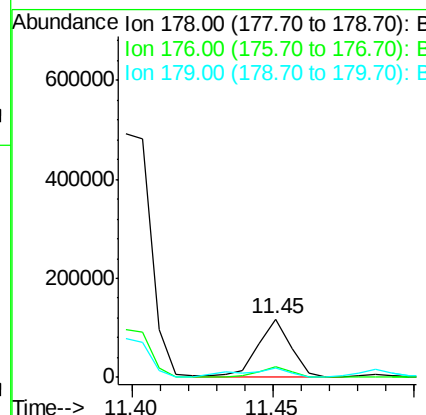
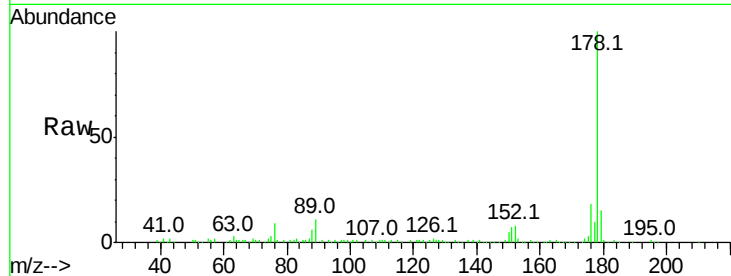
#71
 Anthracene
 Concen: 6.300 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF099402.D
 Acq: 12 Oct 2017 18:40

Instrument :
 BNA_F
 ClientSampleId :
 2N-(1-2)

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

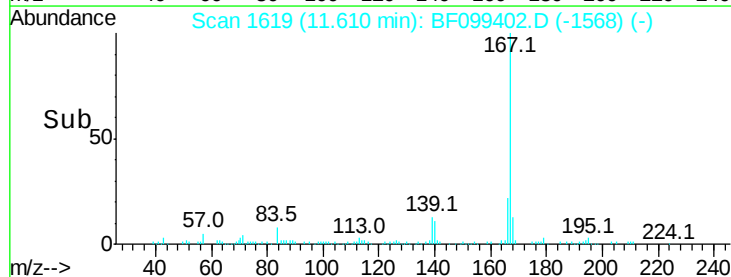
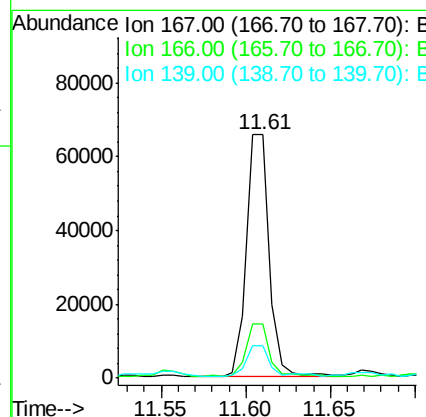
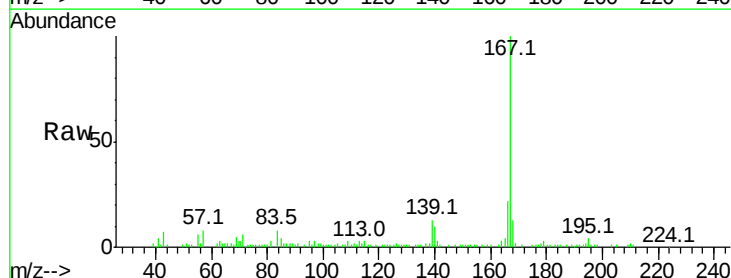
Manual Integrations
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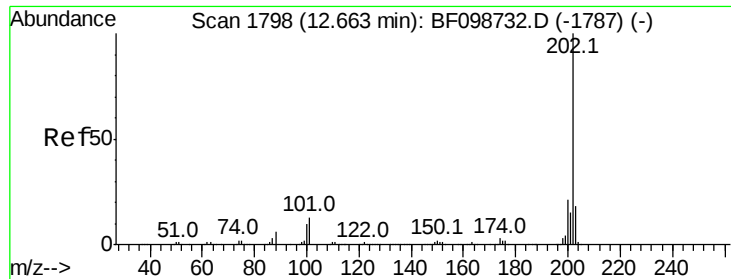
Sohil
 10/13/2017 3:05:41 PM



#72
 Carbazole
 Concen: 4.235 ng
 RT: 11.61 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BF099402.D
 Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	13.1	10.9	16.3





#74

Fluoranthene

Concen: 43.337 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF099402.D

Acq: 12 Oct 2017 18:40

Instrument :

BNA_F

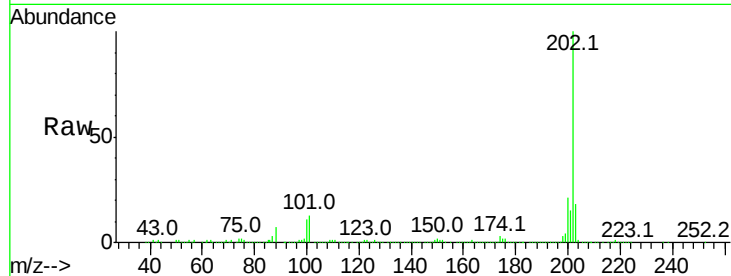
ClientSampled :

2N-(1-2)

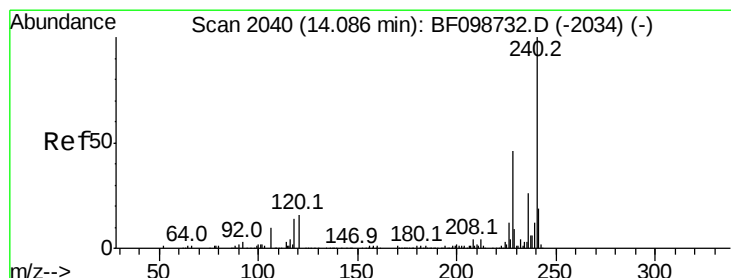
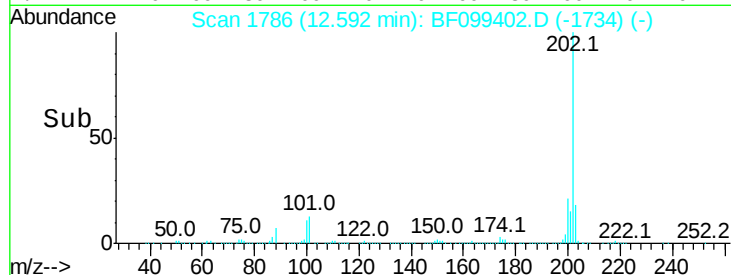
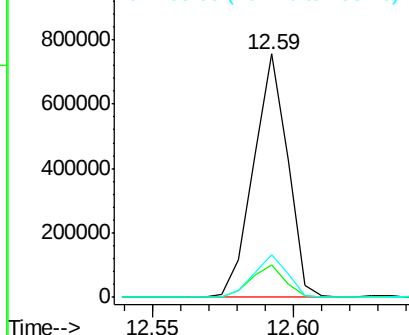
Tot Ion:	202	Resp:	633646
Ion Ratio	Lower	Upper	
202	100		
101	13.2	0.0	34.1
203	17.6	0.0	38.1

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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

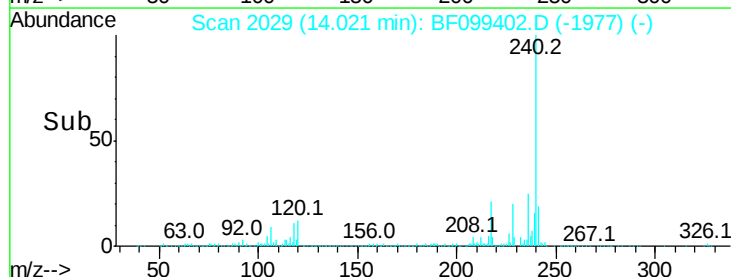
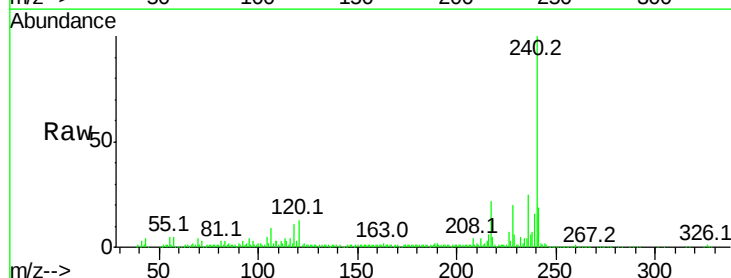
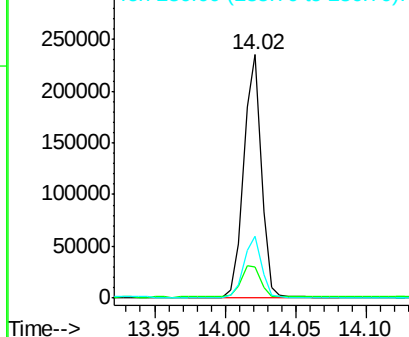
Delta R.T. 0.01 min

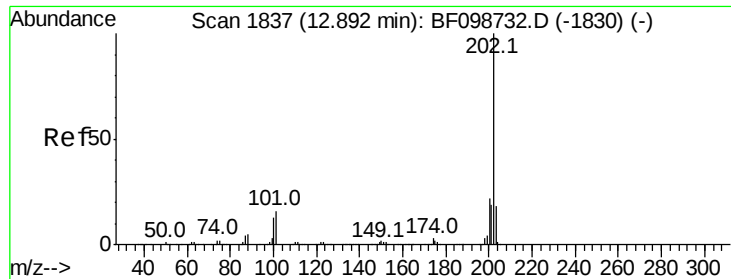
Lab File: BF099402.D

Acq: 12 Oct 2017 18:40

Tgt Ion:	240	Resp:	204186
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	25.3	20.7	31.1

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





#77

Pvrene

Concen: 40.999 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF099402.D

Acq: 12 Oct 2017 18:40

Instrument :

BNA_F

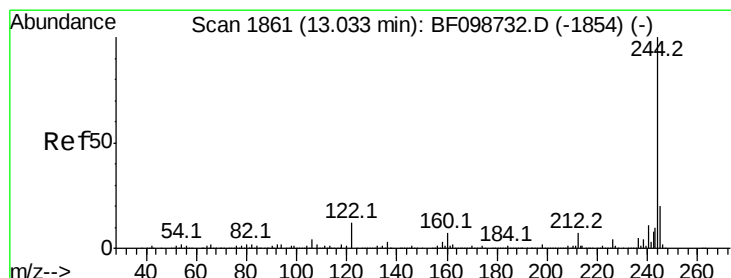
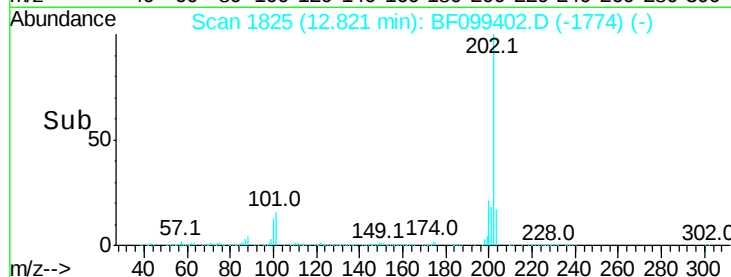
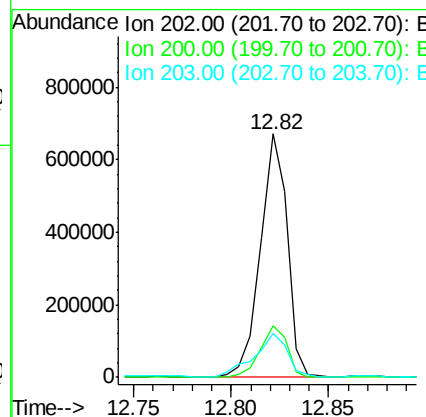
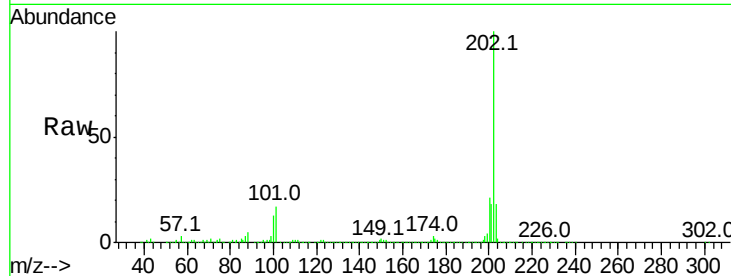
ClientSampleId :

2N-(1-2)

Tot Ion:	202	Resp:	638351
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 57.974 ng

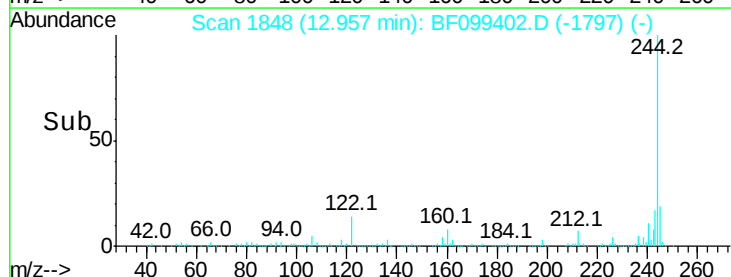
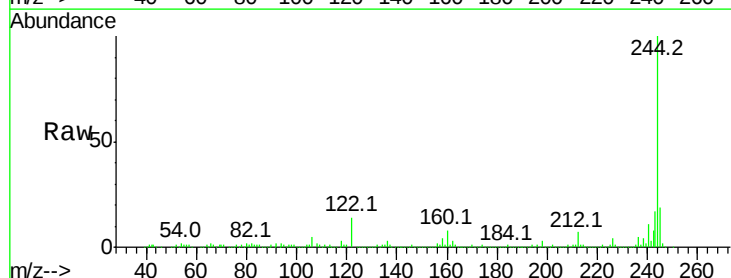
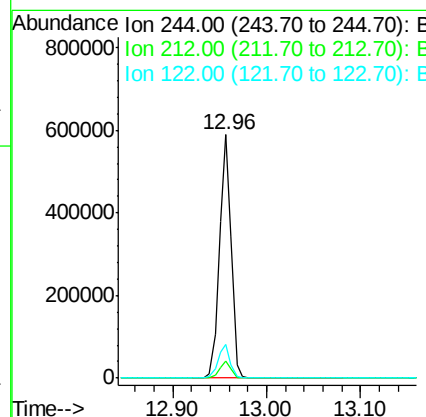
RT: 12.96 min Scan# 1848

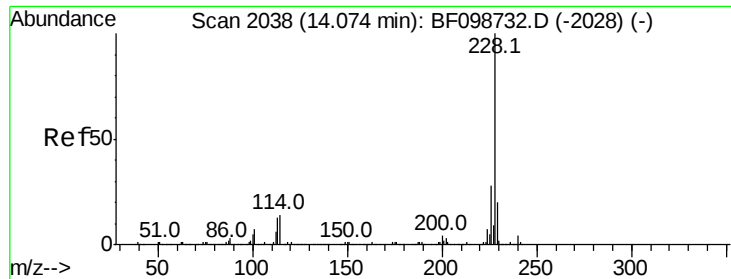
Delta R.T. 0.00 min

Lab File: BF099402.D

Acq: 12 Oct 2017 18:40

Tgt Ion:	244	Resp:	520507
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	13.8	11.0	16.4





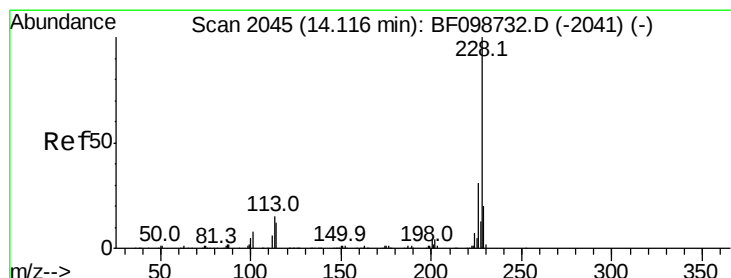
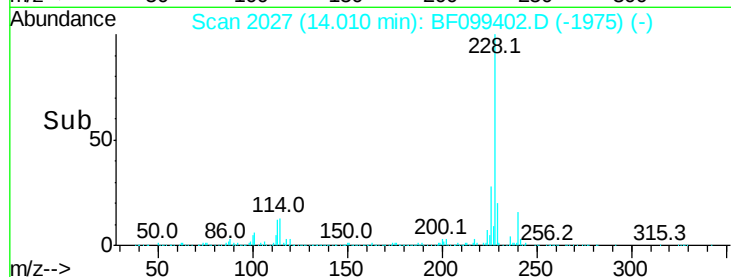
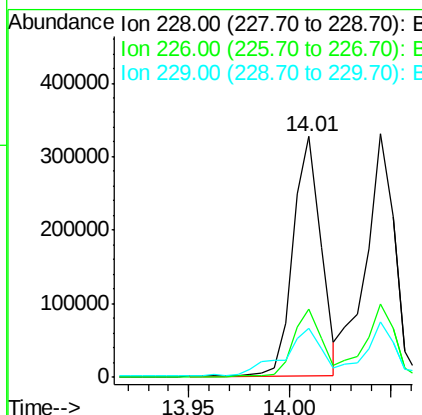
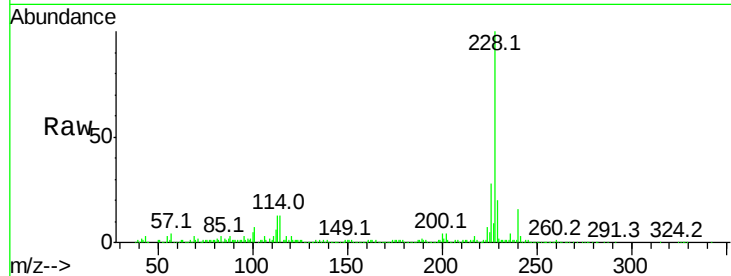
#80
Benzo(a)anthracene
Concen: 25.287 ng m
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Instrument :
BNA_F
ClientSampleId :
2N-(1-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.1	15.8	23.6

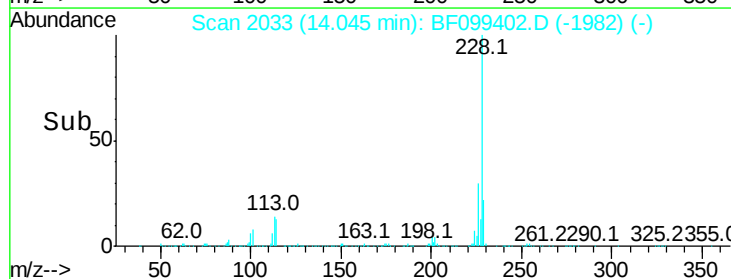
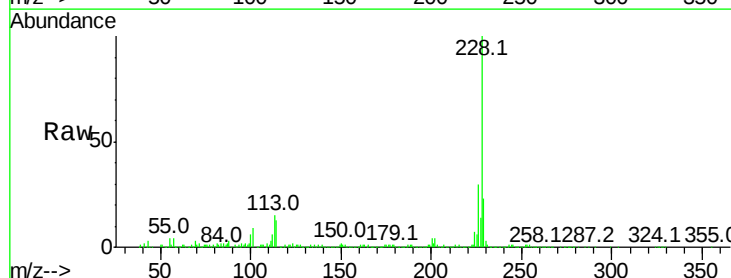
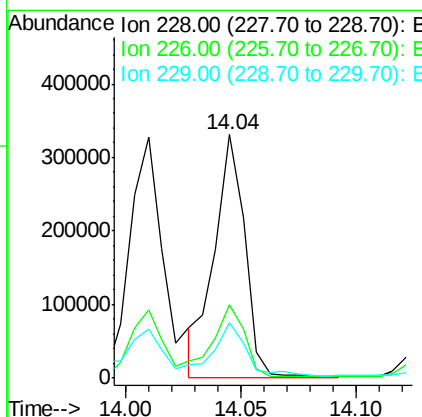
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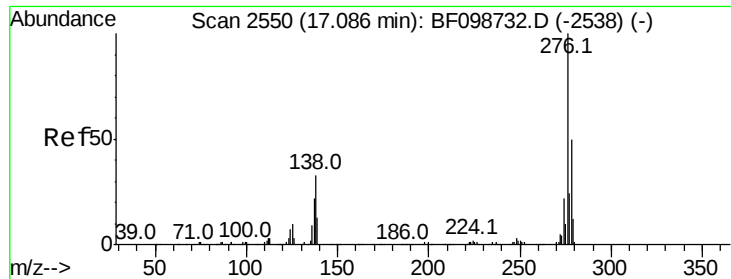
Sohil
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#82
Chrysene
Concen: 25.536 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.8	16.2	24.4





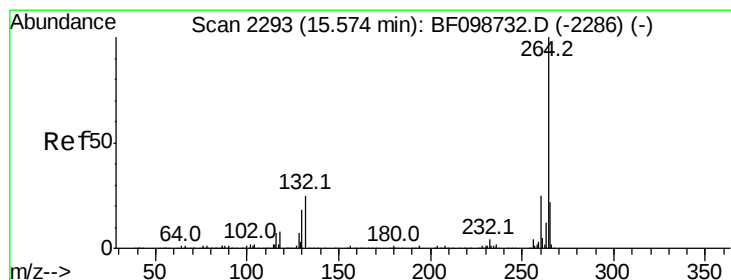
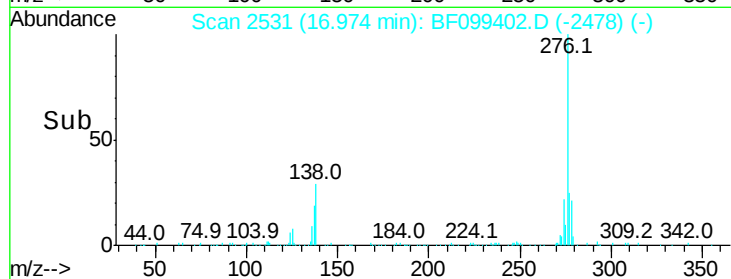
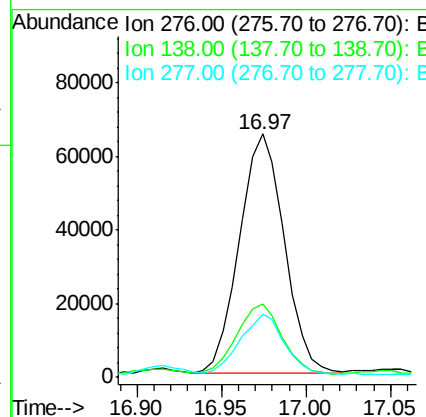
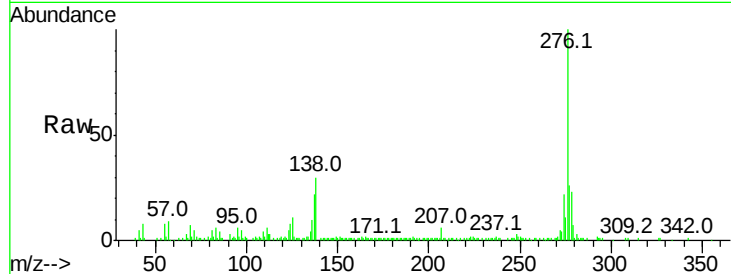
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.756 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.01 min
 Lab File: BF099402.D
 Acq: 12 Oct 2017 18:40

Instrument :
 BNA_F
 ClientSampleId :
 2N-(1-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.6	25.0	37.6
277	25.0	20.1	30.1

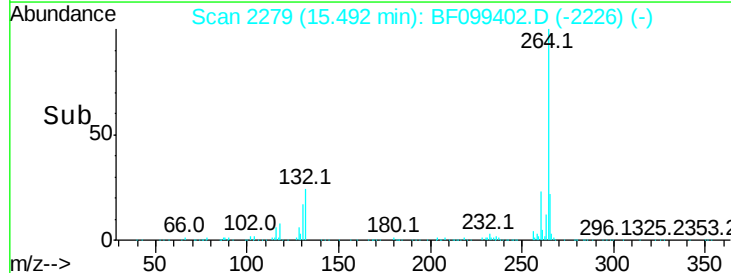
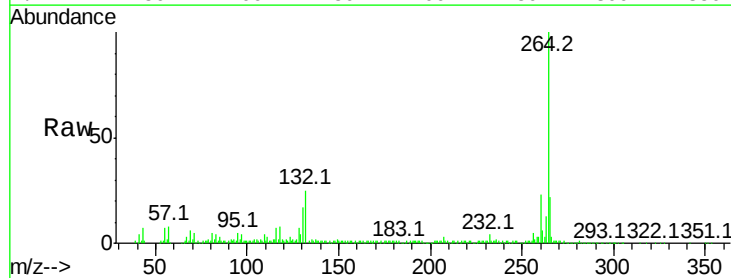
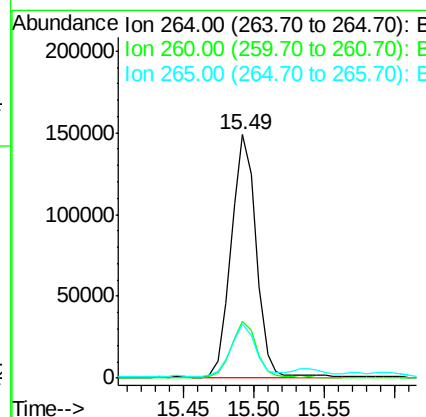
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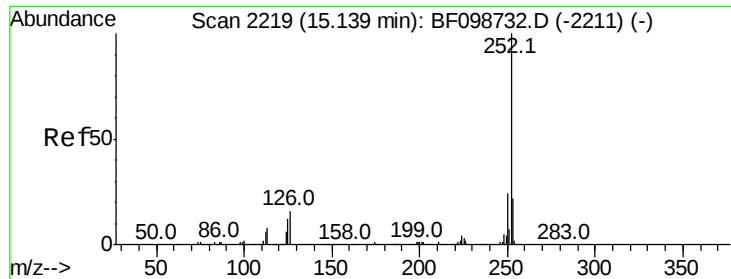
Sohil
 10/13/2017 3:05:41 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.01 min
 Lab File: BF099402.D
 Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.2	17.5	26.3





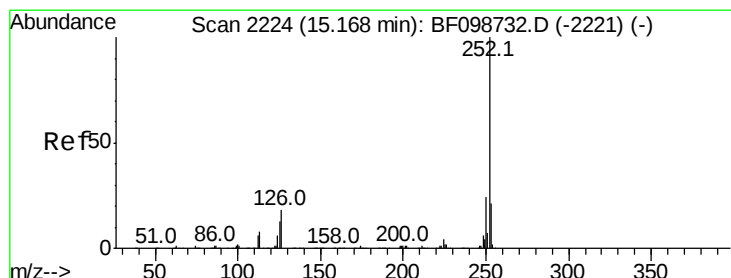
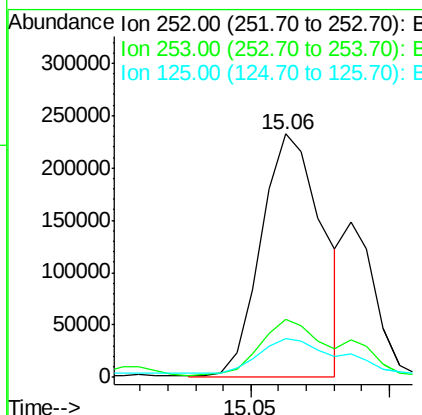
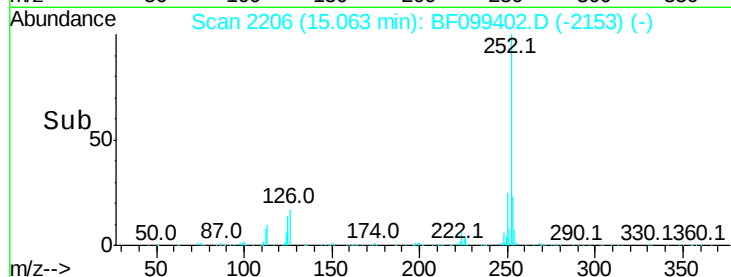
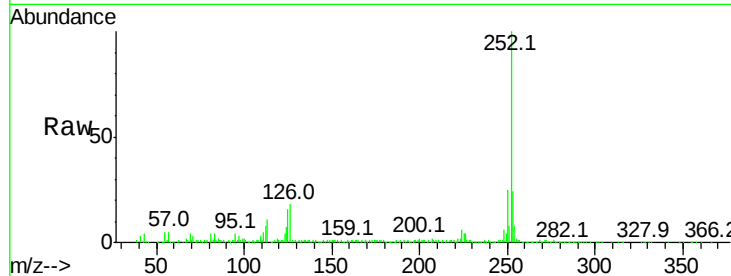
#87
Benzo(b)fluoranthene
Concen: 31.912 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Instrument :
BNA_F
ClientSampleId :
2N-(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	15.8	9.0	13.6

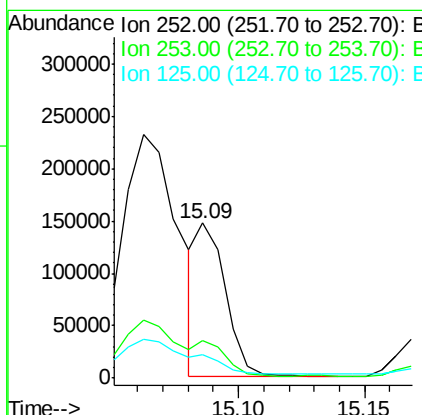
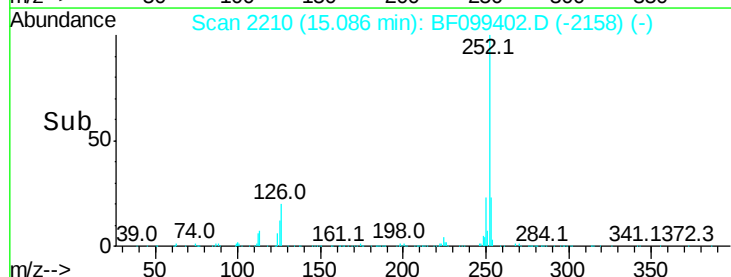
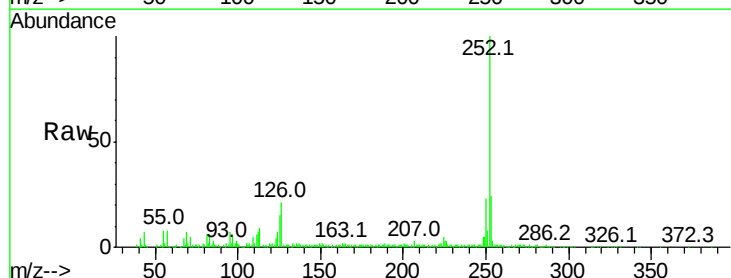
Manual Integrations
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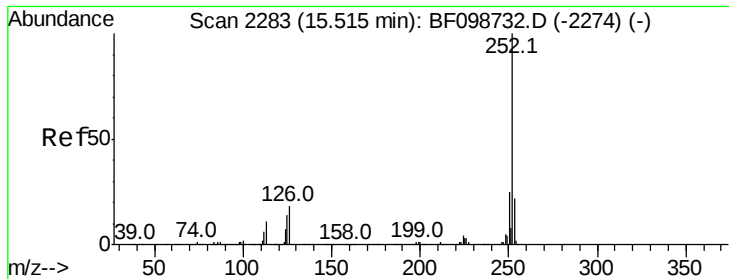
Sohil
10/13/2017 3:05:41 PM



#88
Benzo(k)fluoranthene
Concen: 10.619 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	15.1	10.2	15.2





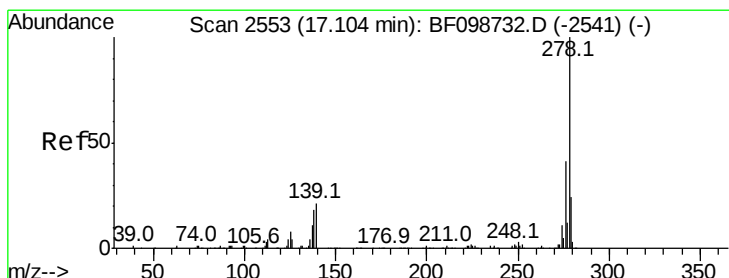
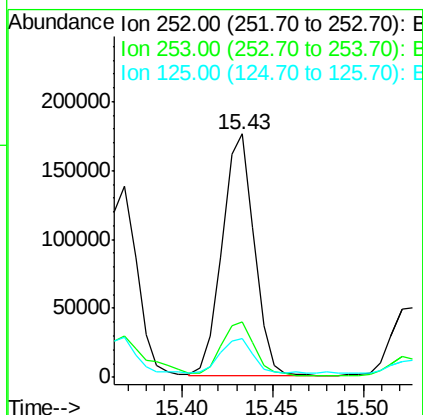
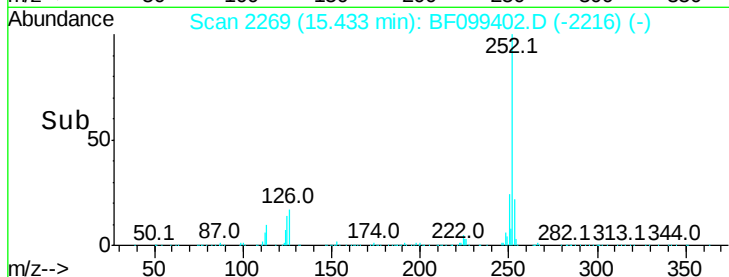
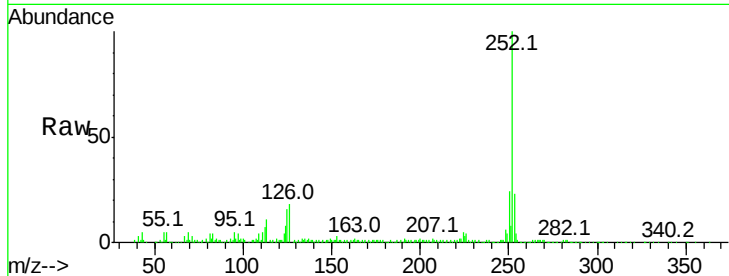
#89
Benzo(a)pyrene
Concen: 20.997 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Instrument :
BNA_F
ClientSampleId :
2N-(1-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	16.2	9.8	14.6

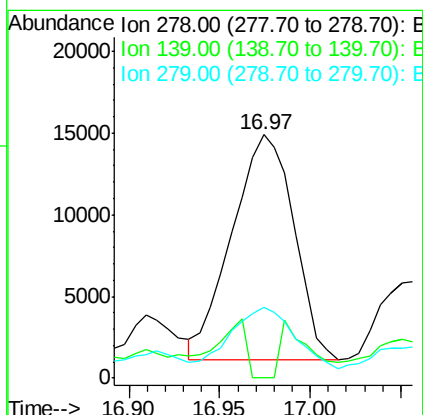
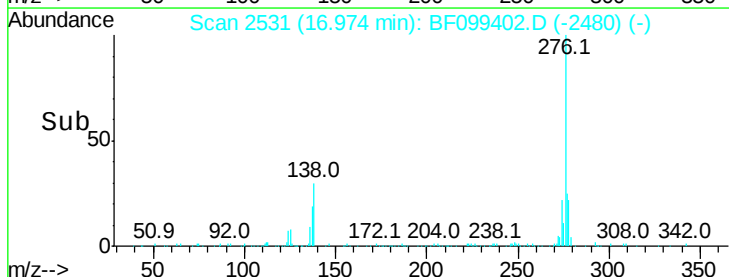
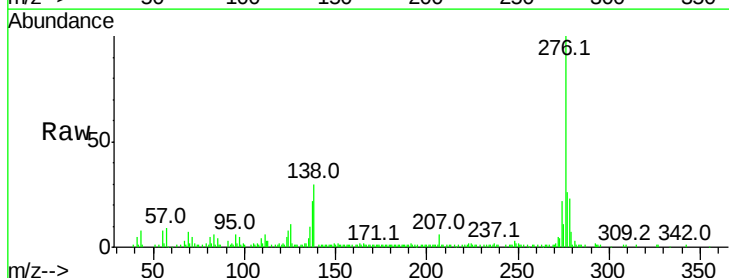
Manual Integrations
APPROVED

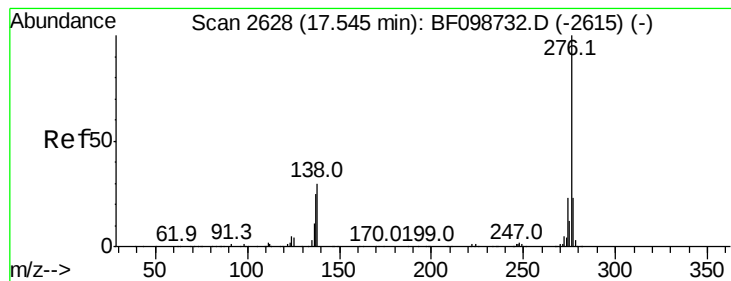
Sohil
10/13/2017 3:05:41 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.961 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.00 min
Lab File: BF099402.D
Acq: 12 Oct 2017 18:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9
279	29.2	19.0	28.4





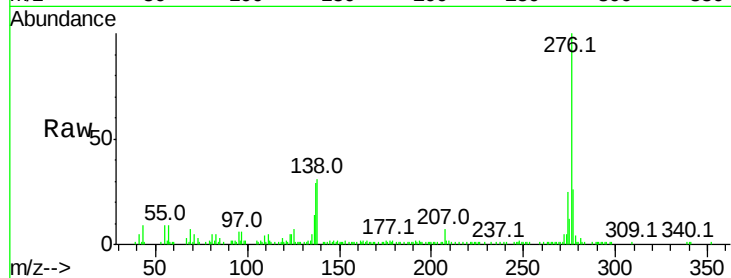
#91
 Benzo(a,h,i)perylene
 Concen: 13.415 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.02 min
 Lab File: BF099402.D
 Acq: 12 Oct 2017 18:40

Instrument :
 BNA_F
 ClientSampleId :
 2N-(1-2)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	31.1	21.8	32.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

