

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099437.D
 Acq On : 13 Oct 2017 12:30
 Operator : SJ/JU
 Sample : I5729-06DL 10X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3W-(1-2)DL

Manual Integrations
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 10/15/2017 12:26:15 PM

Quant Time: Oct 13 15:07:35 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	98597	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	366104	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	138267	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	211117	20.00	ng	0.00
75) Chrysene-d12	14.02	240	184674	20.00	ng	0.00
86) Perylene-d12	15.49	264	157728	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	73215	11.82	ng	0.00
7) Phenol-d6	6.48	99	84736	11.09	ng	0.00
23) Nitrobenzene-d5	7.42	82	46425	8.13	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	10729	9.48	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	87413	10.55	ng	0.00
78) Terphenyl-d14	12.95	244	62086	7.65	ng	0.00

Target Compounds

						Qvalue
51) Acenaphthene	9.92	154	20923	2.418	ng	98
54) Dibenzofuran	10.09	168	28495	2.474	ng	96
57) Fluorene	10.43	166	23612	2.550	ng	96
70) Phenanthrene	11.40	178	325339	28.790	ng	99
71) Anthracene	11.45	178	79730	6.896	ng	98
72) Carbazole	11.61	167	37218	3.287	ng	99
74) Fluoranthene	12.59	202	635032	55.495	ng	99
77) Pyrene	12.82	202	537046	38.137	ng	99
80) Benzo(a)anthracene	14.01	228	233124	20.847	ng	98
82) Chrysene	14.04	228	214525	20.150	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	74429	8.740	ng	98
87) Benzo(b)fluoranthene	15.06	252	218003m	22.480	ng	
88) Benzo(k)fluoranthene	15.09	252	85715m	8.949	ng	
89) Benzo(a)pyrene	15.43	252	135957	15.273	ng	# 93
90) Dibenzo(a,h)anthracene	16.97	278	19230	2.699	ng	# 72
91) Benzo(g,h,i)perylene	17.42	276	70031	9.945	ng	95

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

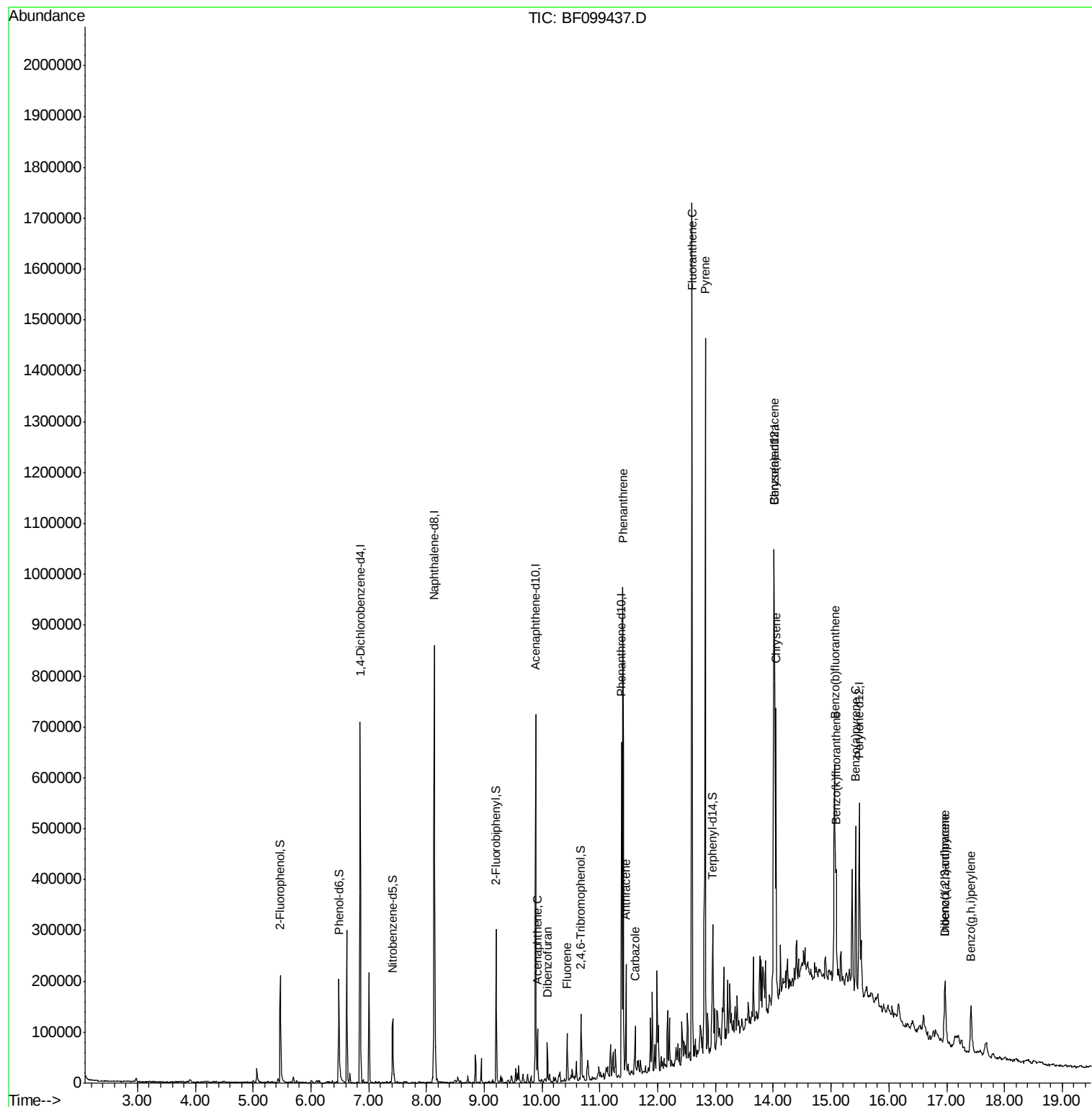
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
Data File : BF099437.D
Acq On : 13 Oct 2017 12:30
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Misc :
ALS Vial : 40 Sample Multiplier: 1

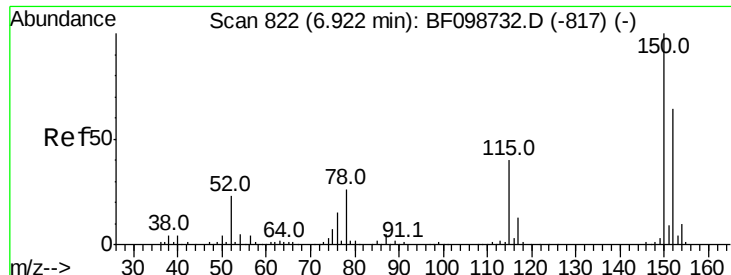
Instrument :
BNA_F
ClientSampleId :
3W-(1-2)DL

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Quant Time: Oct 13 15:07:35 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

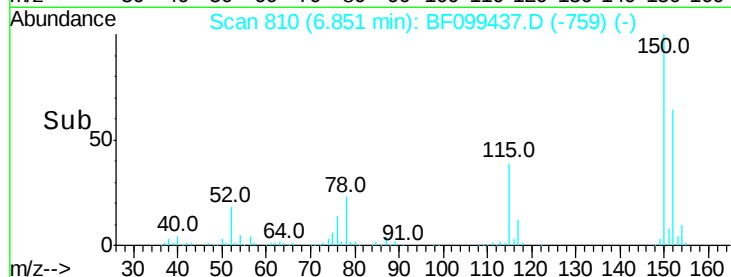
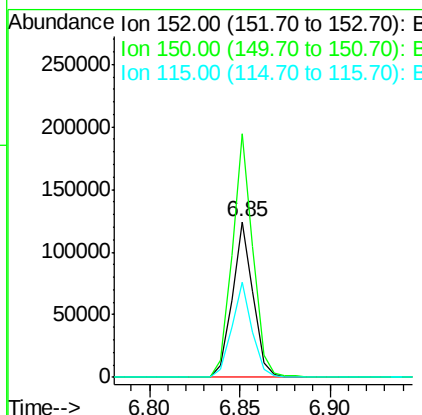
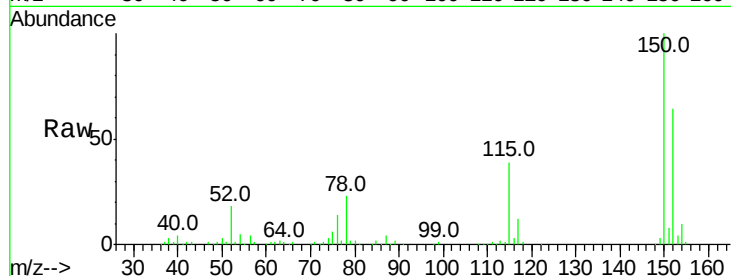
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099437.D
Acq: 13 Oct 2017 12:30

Instrument :
BNA_F
ClientSampleId :
3W-(1-2)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	61.5	50.1	75.1

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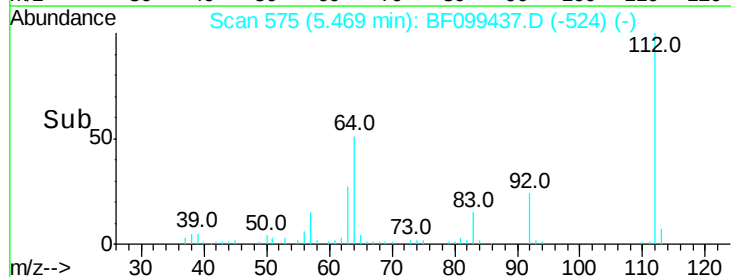
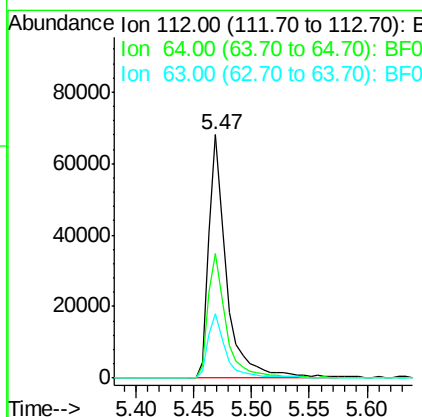
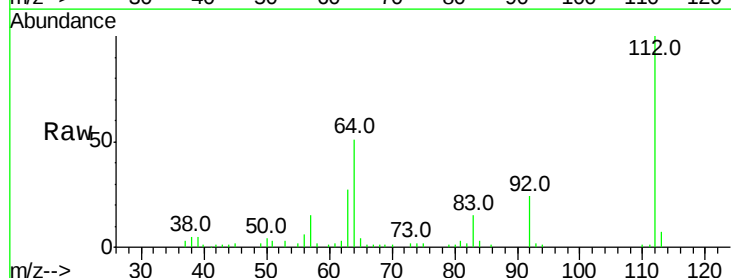
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#5

2-Fluorophenol
Concen: 11.821 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF099437.D
Acq: 13 Oct 2017 12:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.1	47.9	71.9
63	26.5	23.7	35.5





#7

Phenol-d6

Concen: 11.090 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099437.D

Acq: 13 Oct 2017 12:30

Instrument :

BNA_F

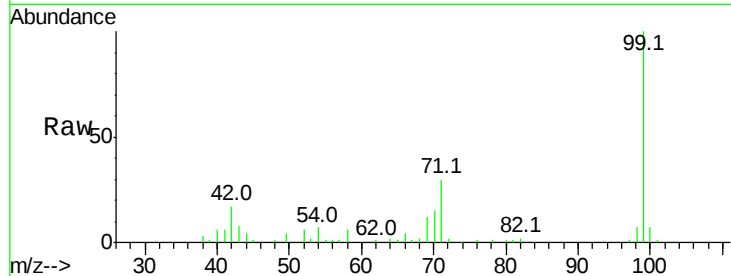
ClientSampled :

3W-(1-2)DL

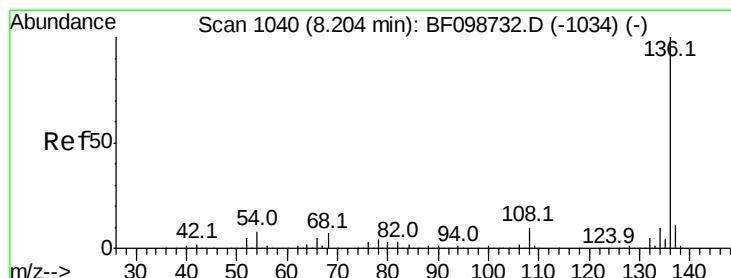
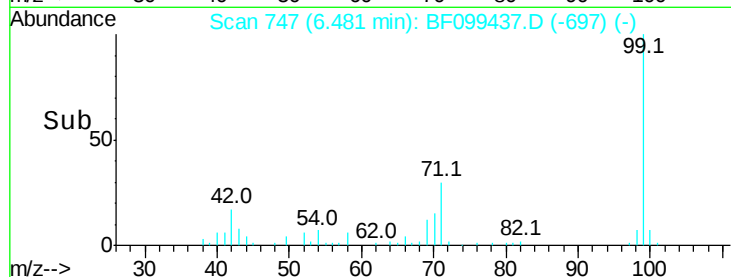
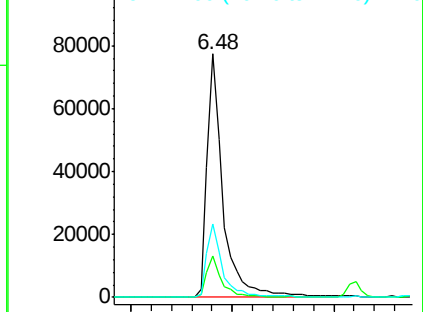
Tot Ion:	99	Resp:	84736
Ion Ratio	Lower	Upper	
99	100		
42	16.9	14.5	21.7
71	30.3	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

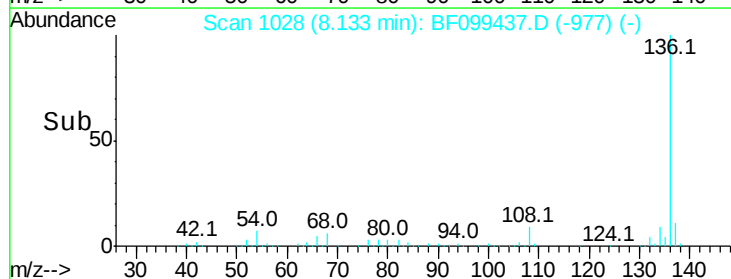
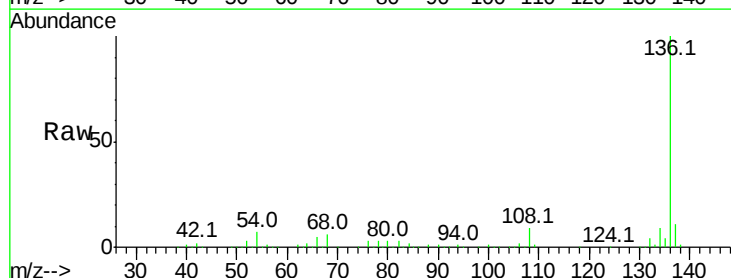
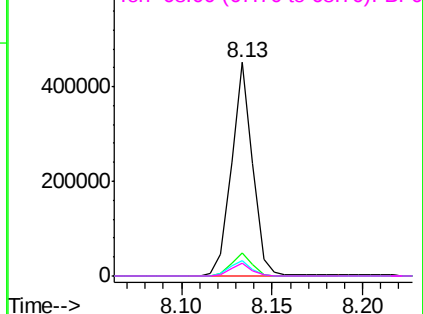
Delta R.T. -0.00 min

Lab File: BF099437.D

Acq: 13 Oct 2017 12:30

Tgt Ion:	136	Resp:	366104
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.2	6.6	9.8
68	5.8	5.0	7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





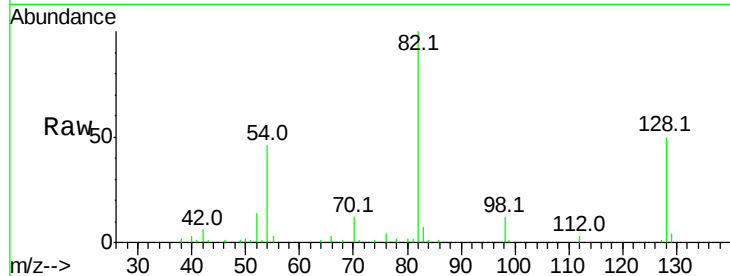
#23
 Nitrobenzene-d5
 Concen: 8.132 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF099437.D
 Acq: 13 Oct 2017 12:30

Instrument :
 BNA_F
 ClientSampled :
 3W-(1-2)DL

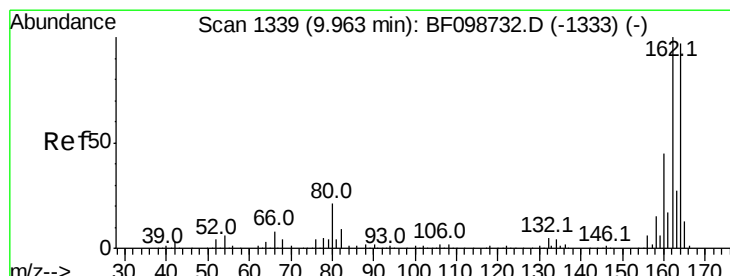
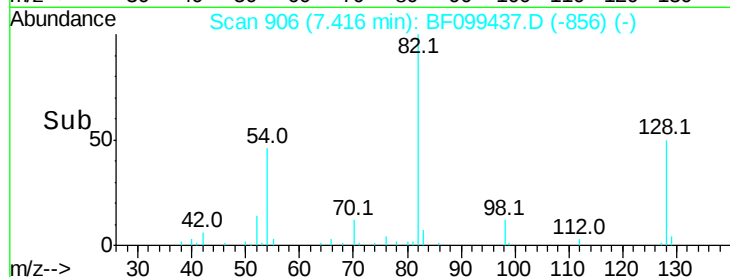
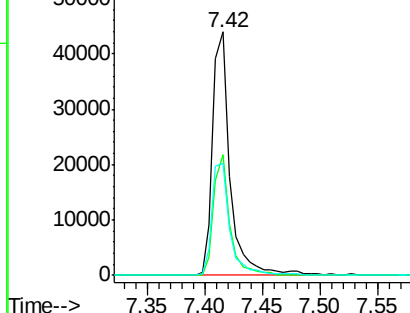
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	36.1	54.1
54	45.7	41.4	62.2

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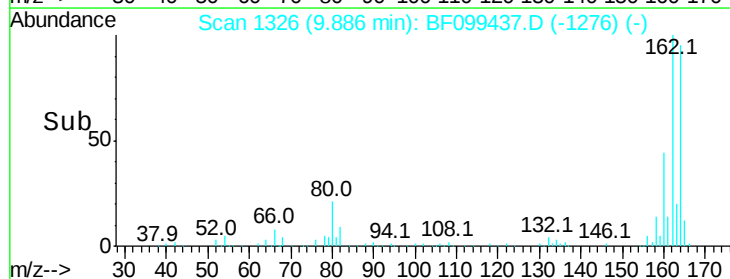
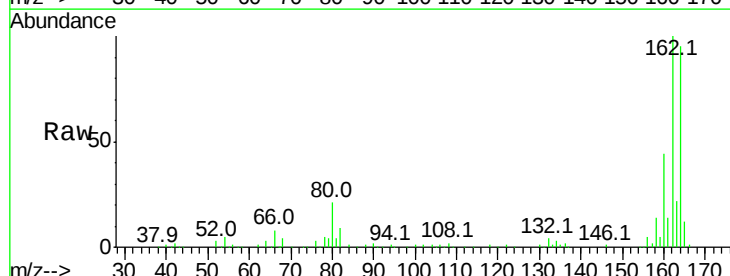
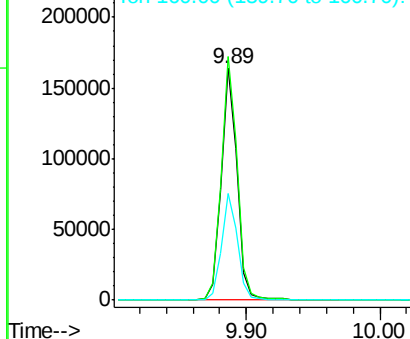
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099437.D
 Acq: 13 Oct 2017 12:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	86.1	129.1
160	46.0	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E





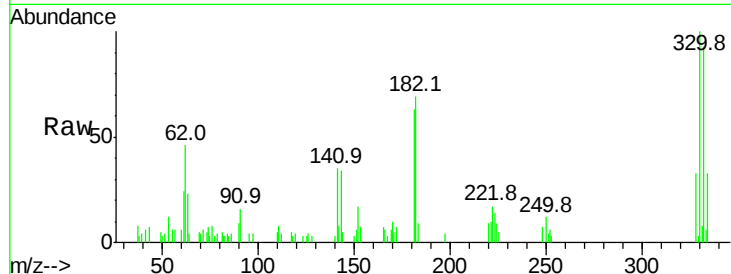
#41
 2,4,6-Tribromophenol
 Concen: 9.483 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BF099437.D
 Acq: 13 Oct 2017 12:30

Instrument :
 BNA_F
 ClientSampled :
 3W-(1-2)DL

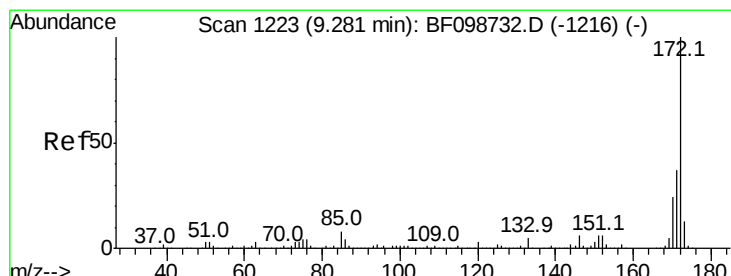
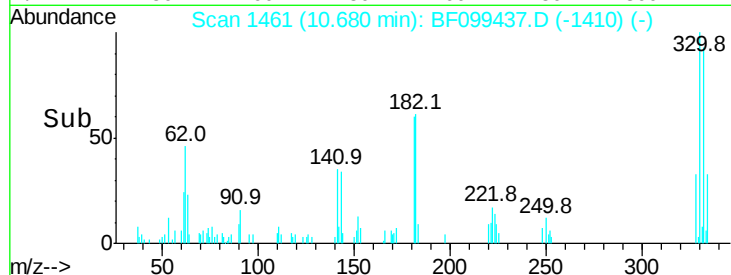
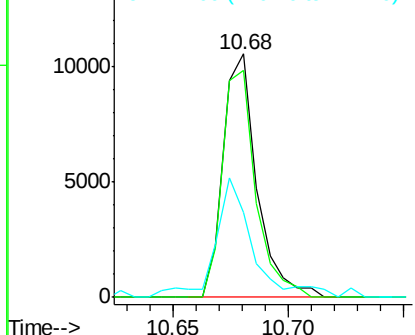
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.3	77.0	115.6	
141	55.3	29.9	44.9	

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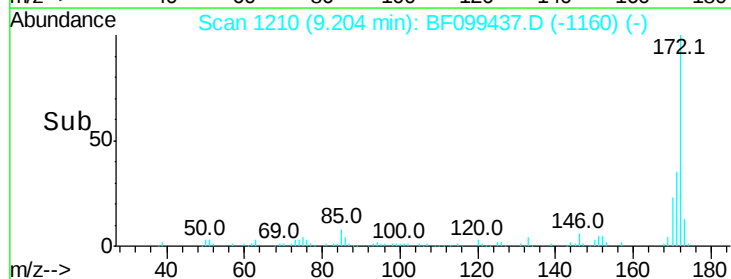
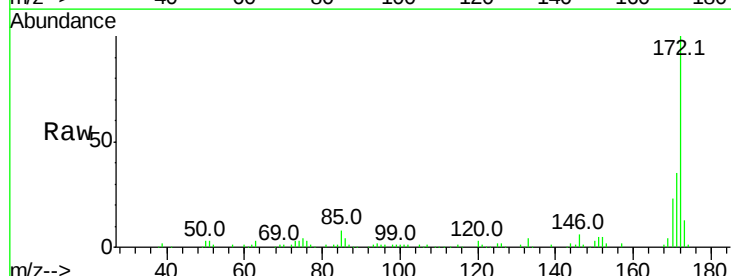
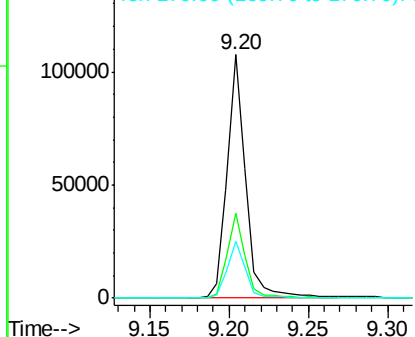
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

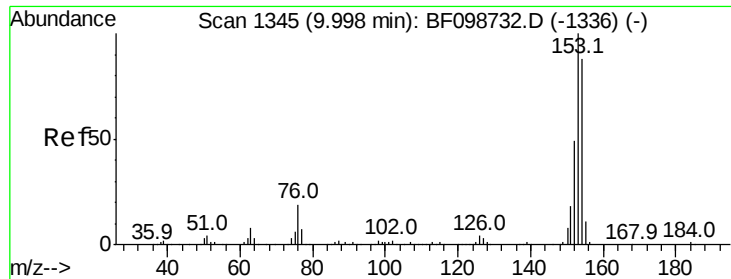


#44
 2-Fluorobiphenyl
 Concen: 10.554 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099437.D
 Acq: 13 Oct 2017 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	29.7	44.5	
170	23.3	19.6	29.4	

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.418 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF099437.D

Acq: 13 Oct 2017 12:30

Instrument :

BNA_F

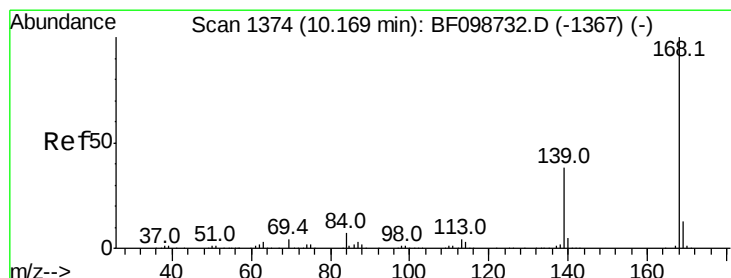
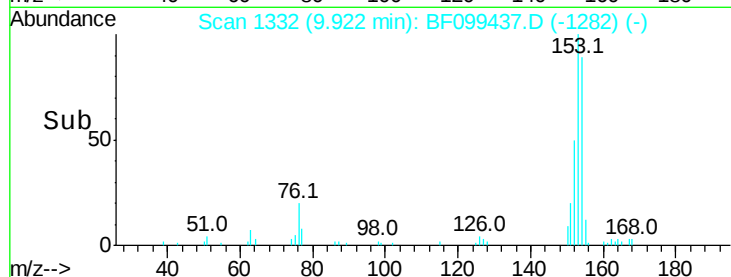
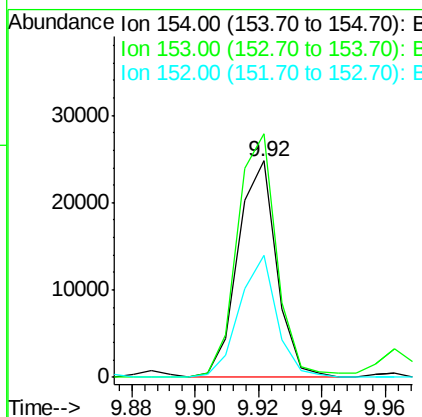
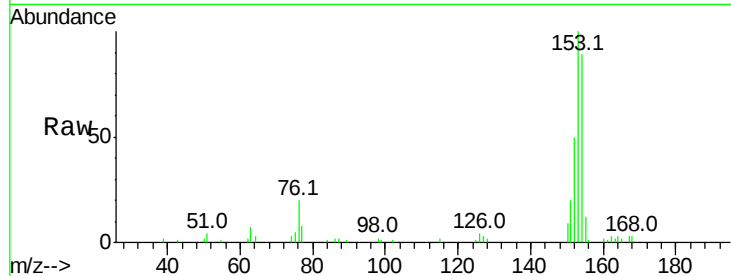
ClientSampleId :

3W-(1-2)DL

Tot Ion:	154	Resp:	20923
Ion Ratio	Lower	Upper	
154	100		
153	112.6	91.2	136.8
152	56.3	43.8	65.8

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#54

Dibenzofuran

Concen: 2.474 ng

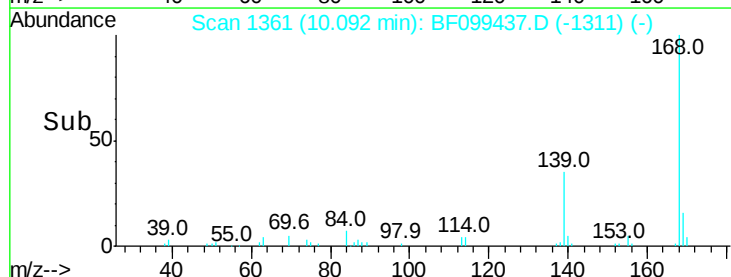
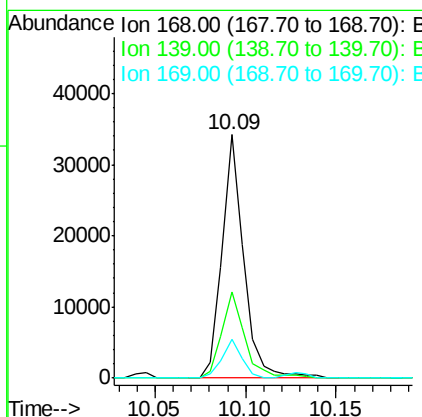
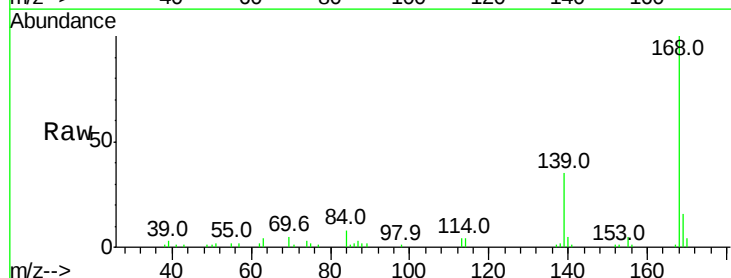
RT: 10.09 min Scan# 1361

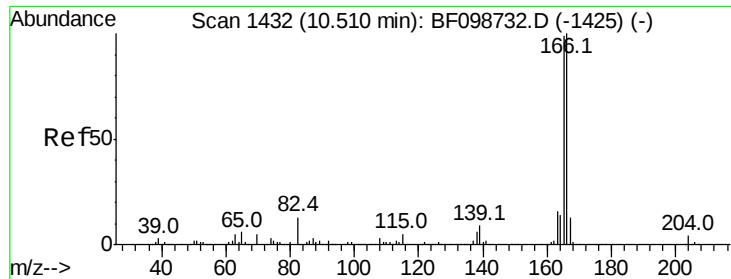
Delta R.T. -0.01 min

Lab File: BF099437.D

Acq: 13 Oct 2017 12:30

Tgt Ion:	168	Resp:	28495
Ion Ratio	Lower	Upper	
168	100		
139	35.3	30.1	45.1
169	15.8	10.9	16.3





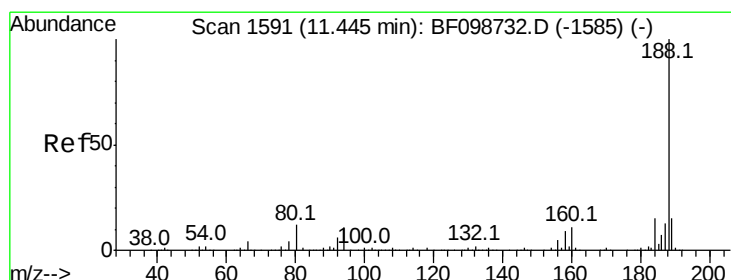
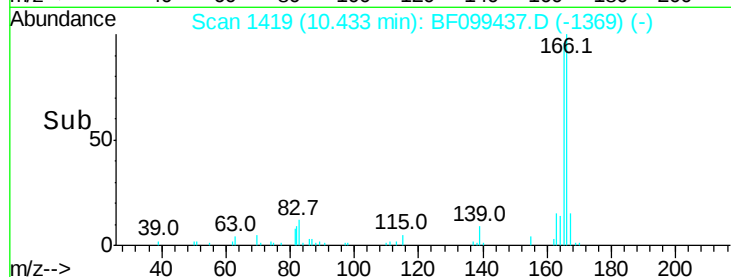
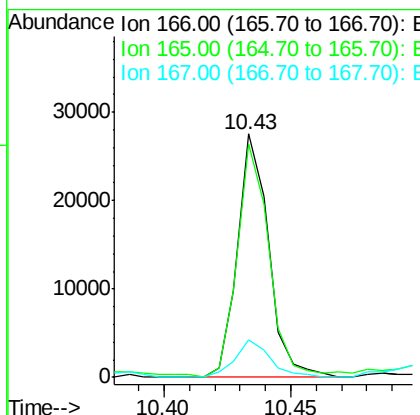
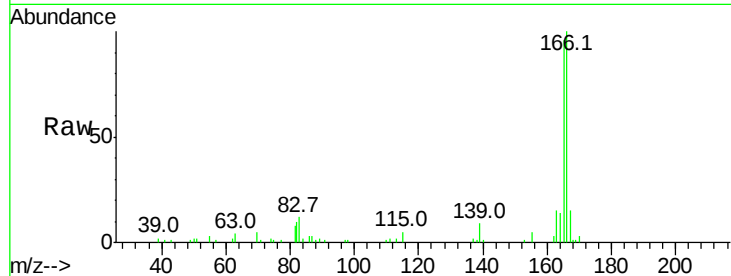
#57
Fluorene
 Concen: 2.550 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF099437.D
 Acq: 13 Oct 2017 12:30

Instrument :
 BNA_F
 ClientSampleId :
 3W-(1-2)DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	23612		
165	96.0		79.8	119.8
167	15.4		10.6	16.0

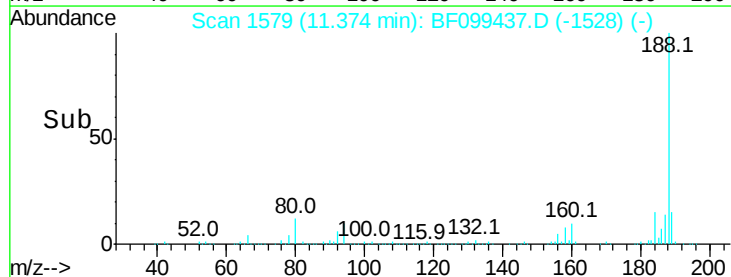
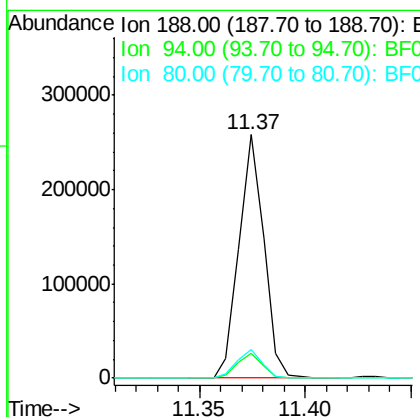
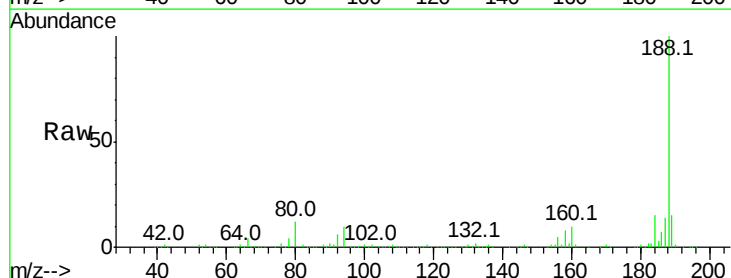
Manual Integrations
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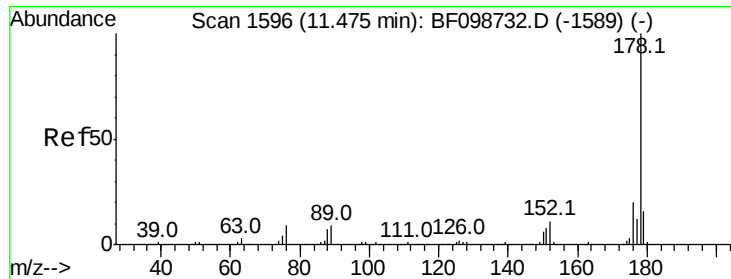
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: BF099437.D
 Acq: 13 Oct 2017 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	211117		
94	10.3		8.5	12.7
80	11.6		9.2	13.8





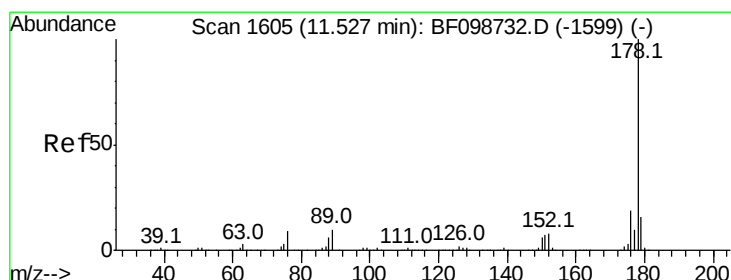
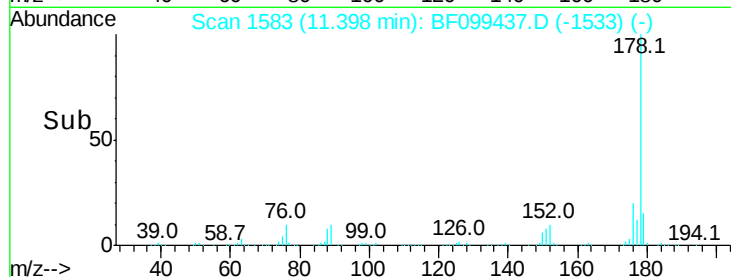
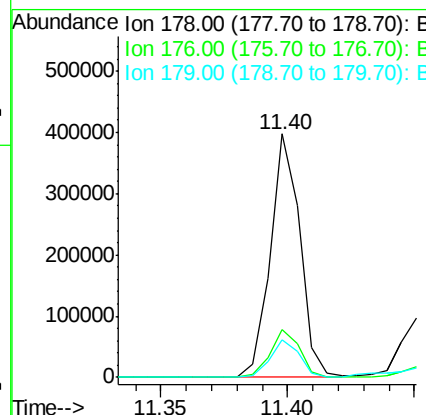
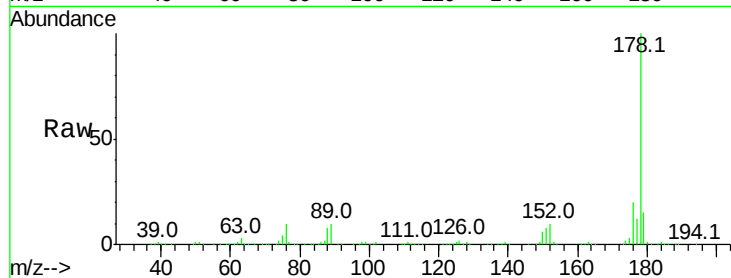
#70
Phenanthrene
Concen: 28.790 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099437.D
Acq: 13 Oct 2017 12:30

Instrument :
BNA_F
ClientSampleId :
3W-(1-2)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.4	13.0	19.6

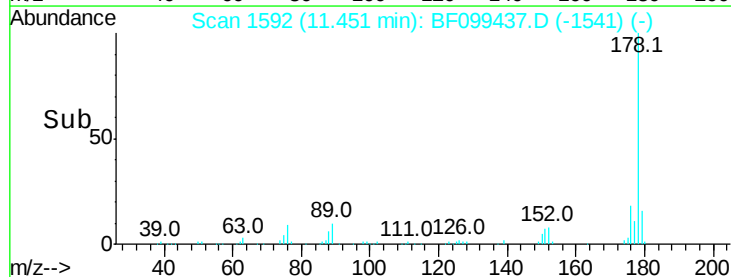
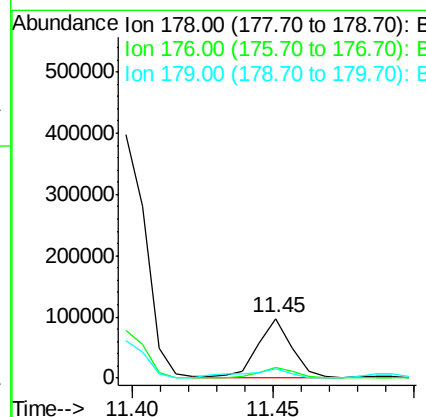
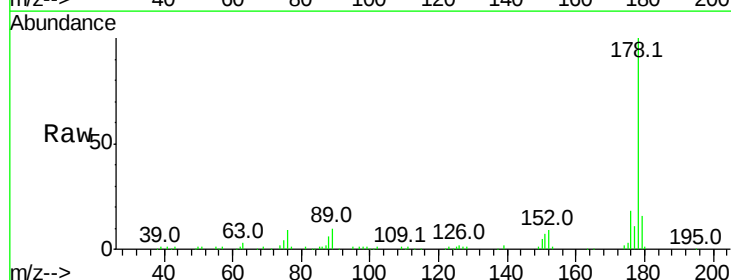
Manual Integrations
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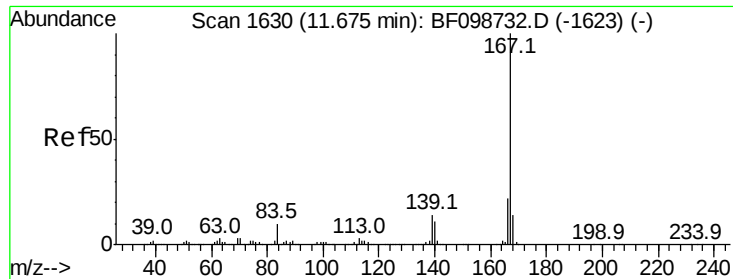
Sohil
10/15/2017 12:26:15 PM



#71
Anthracene
Concen: 6.896 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF099437.D
Acq: 13 Oct 2017 12:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.5	12.6	19.0





#72

Carbazole

Concen: 3.287 ng

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BF099437.D

Acq: 13 Oct 2017 12:30

Instrument :

BNA_F

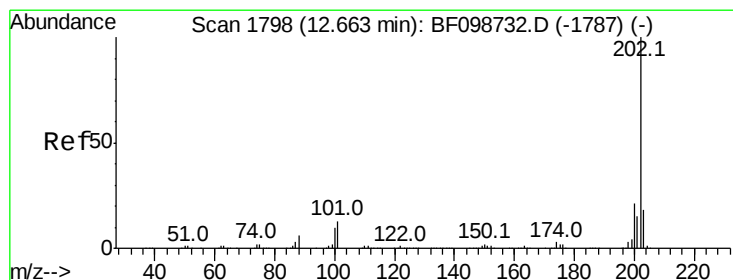
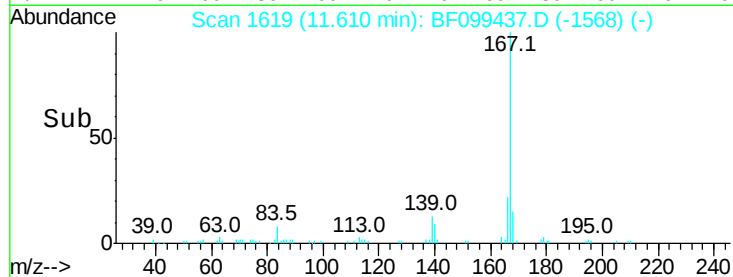
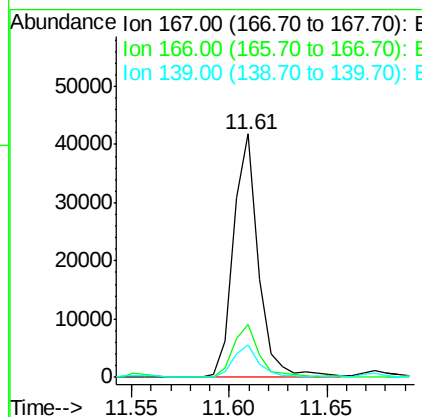
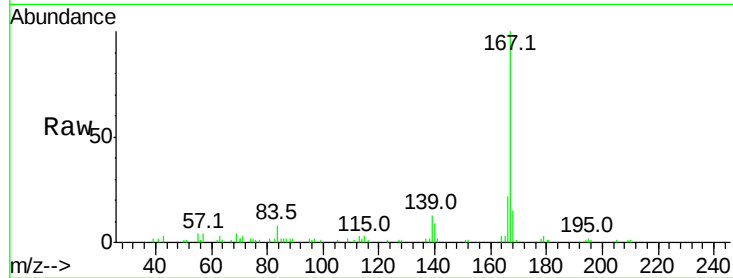
ClientSampled :

3W-(1-2)DL

Tot Ion:	167	Resp:	37218
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.6	26.4
139	13.3	10.9	16.3

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#74

Fluoranthene

Concen: 55.495 ng

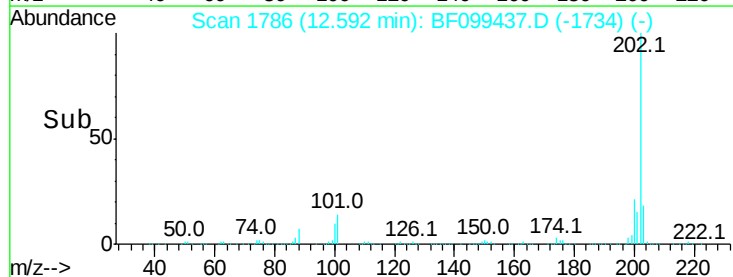
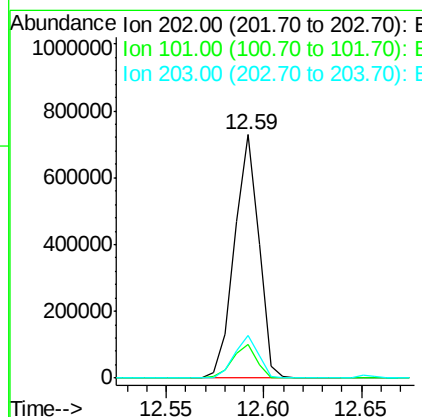
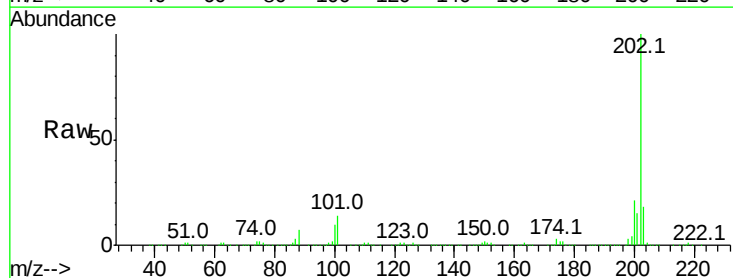
RT: 12.59 min Scan# 1786

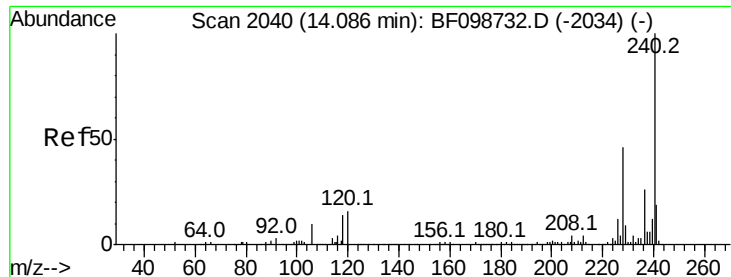
Delta R.T. 0.01 min

Lab File: BF099437.D

Acq: 13 Oct 2017 12:30

Tgt Ion:	202	Resp:	635032
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.00 min

Lab File: BF099437.D

Acq: 13 Oct 2017 12:30

Instrument :

BNA_F

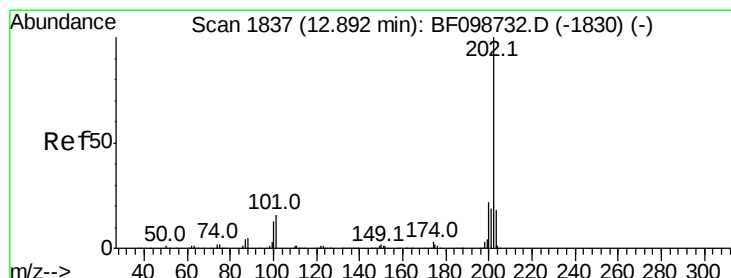
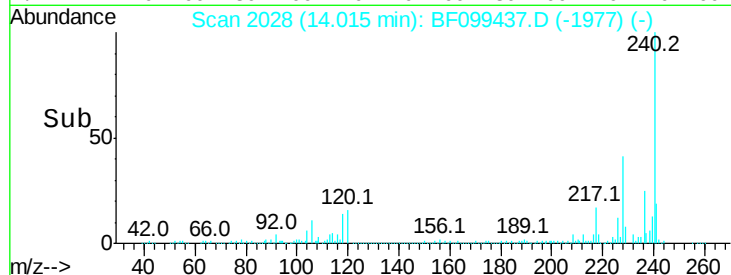
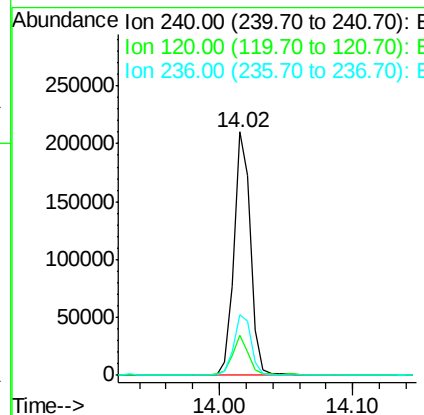
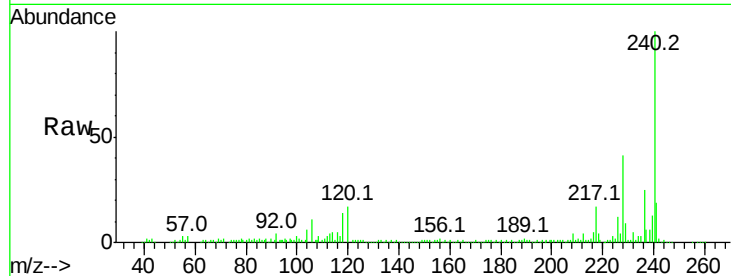
ClientSampleId :

3W-(1-2)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.5	9.5	14.3#
236	25.0	20.7	31.1

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#77

Pyrene

Concen: 38.137 ng

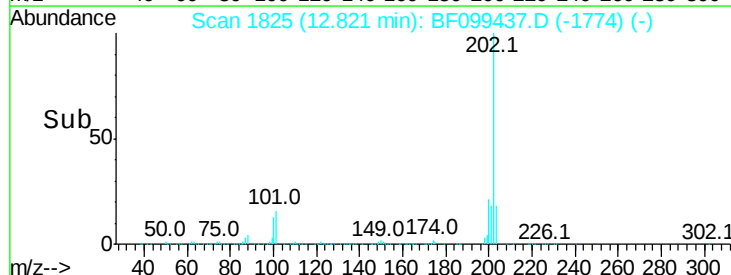
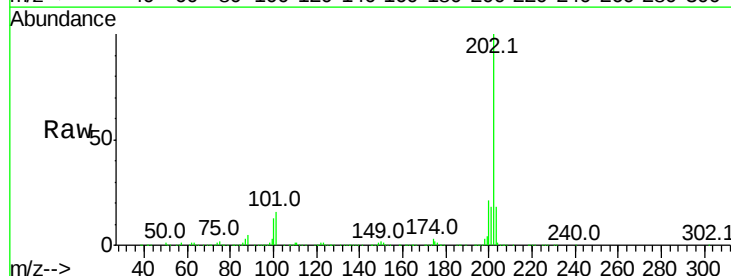
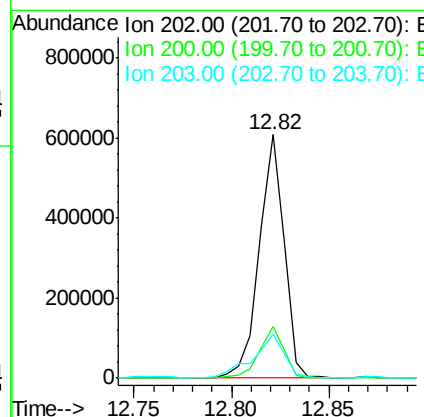
RT: 12.82 min Scan# 1825

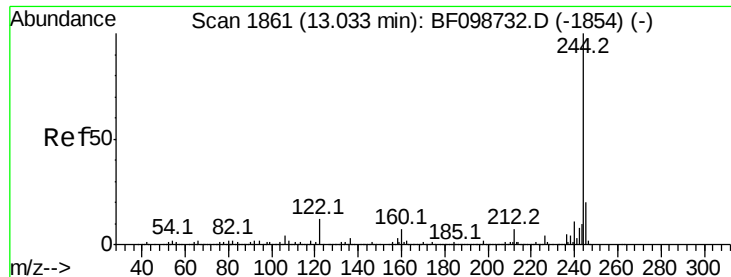
Delta R.T. -0.00 min

Lab File: BF099437.D

Acq: 13 Oct 2017 12:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.0	14.3	21.5





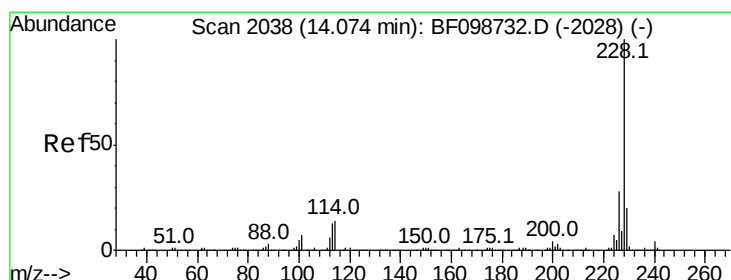
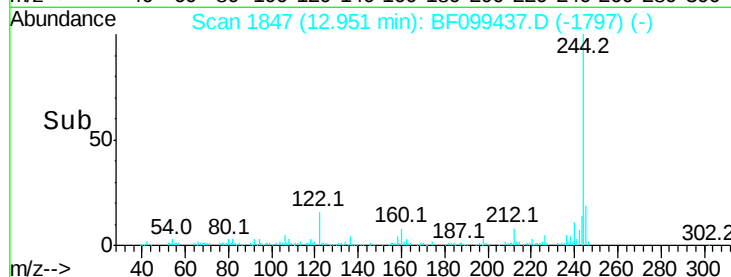
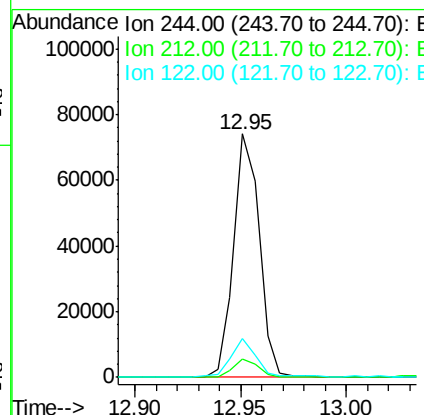
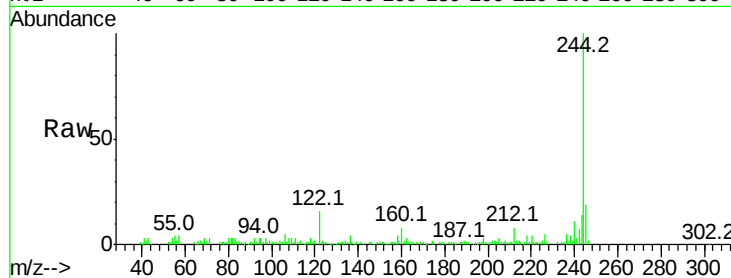
#78
 Terphenyl-d14
 Concen: 7.646 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099437.D
 Acq: 13 Oct 2017 12:30

Instrument :
 BNA_F
 ClientSampled :
 3W-(1-2)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	15.8	11.0	16.4

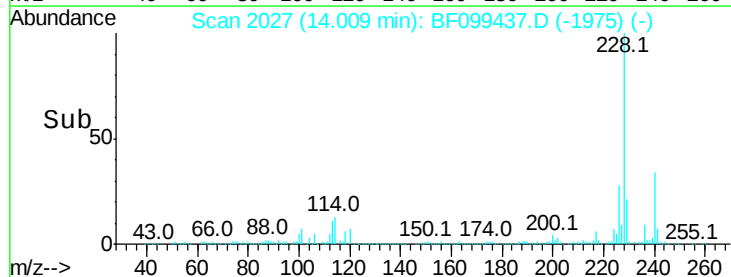
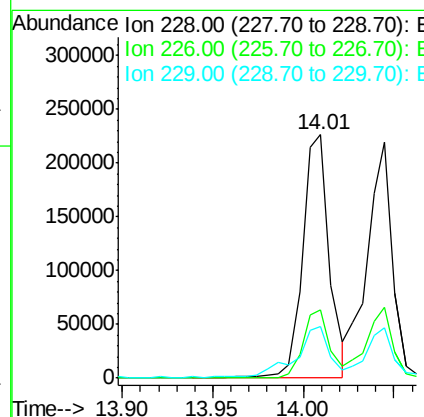
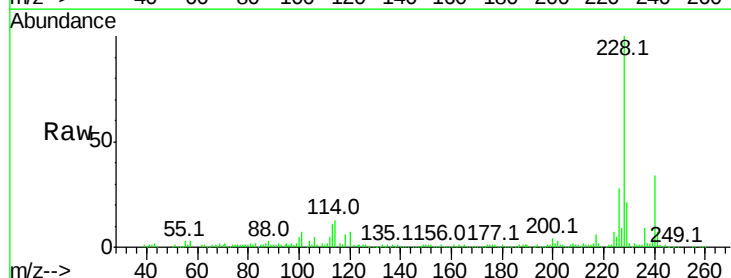
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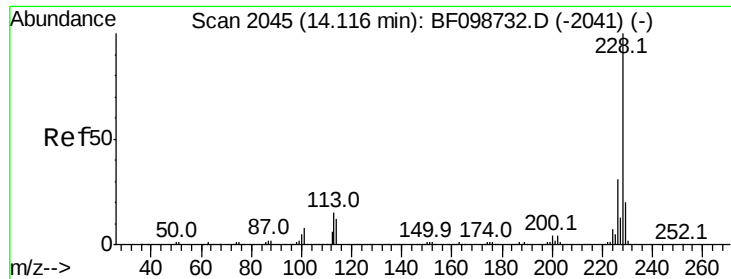
Sohil
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#80
 Benzo(a)anthracene
 Concen: 20.847 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF099437.D
 Acq: 13 Oct 2017 12:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	21.0	15.8	23.6





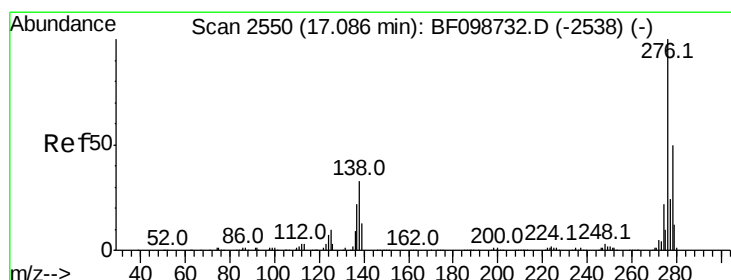
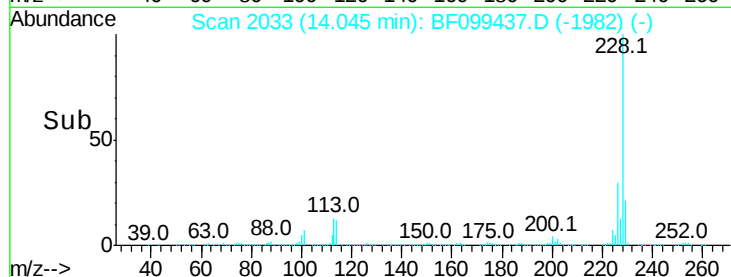
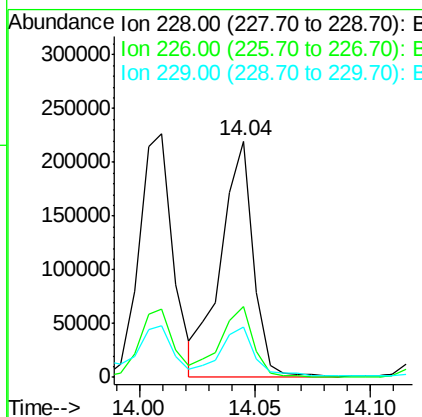
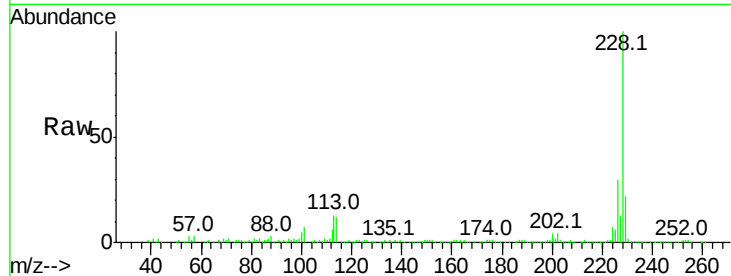
#82
Chrysene
Concen: 20.150 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF099437.D
Acq: 13 Oct 2017 12:30

Instrument :
BNA_F
ClientSampleId :
3W-(1-2)DL

Tot Ion:	228	Resp:	214525
Ion Ratio		Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.5	16.2	24.4

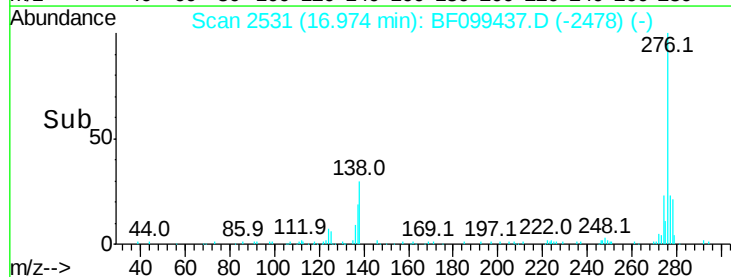
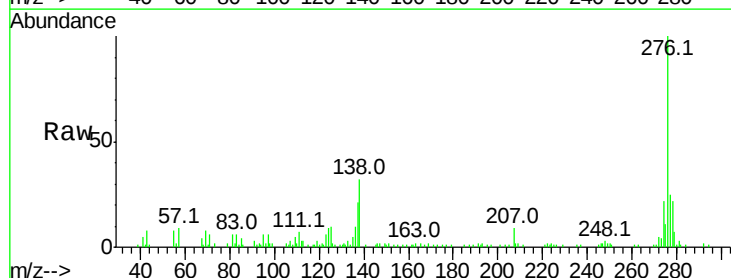
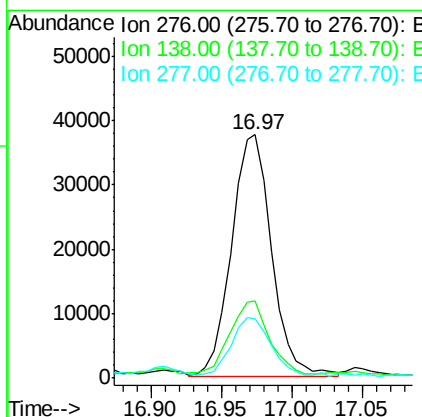
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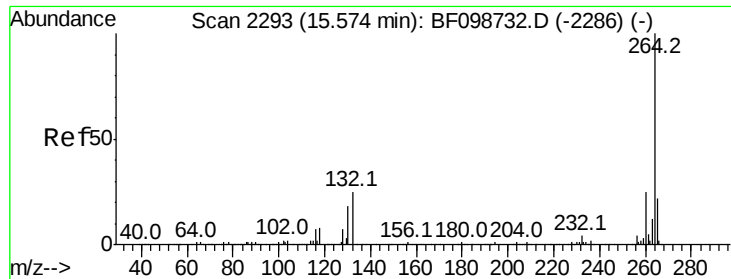
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.740 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BF099437.D
Acq: 13 Oct 2017 12:30

Tgt Ion:	276	Resp:	74429
Ion Ratio		Lower	Upper
276	100		
138	31.7	25.0	37.6
277	23.4	20.1	30.1





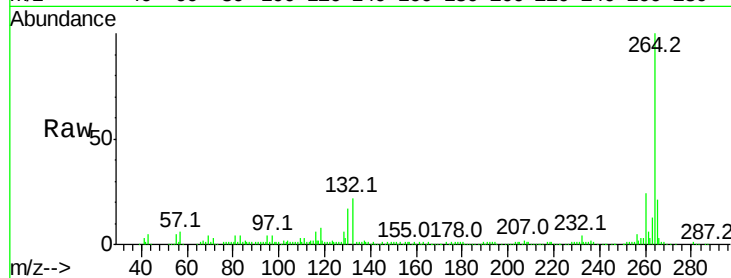
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.01 min
 Lab File: BF099437.D
 Acq: 13 Oct 2017 12:30

Instrument :
 BNA_F
 ClientSampleId :
 3W-(1-2)DL

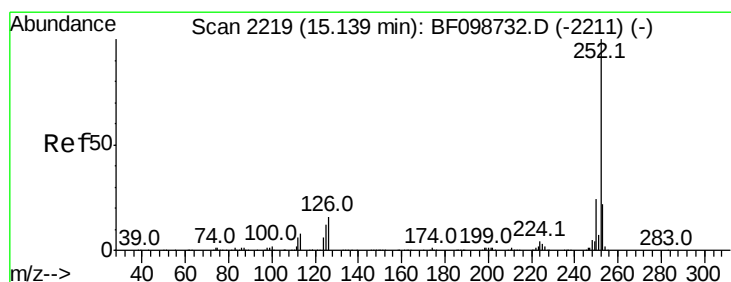
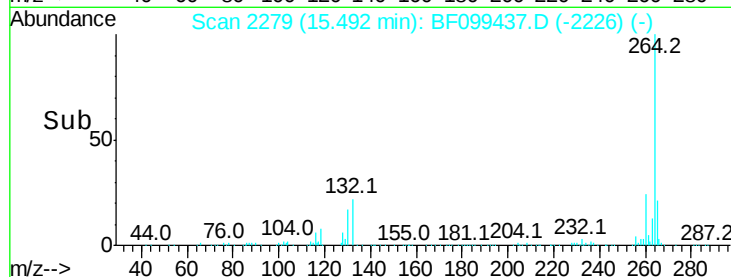
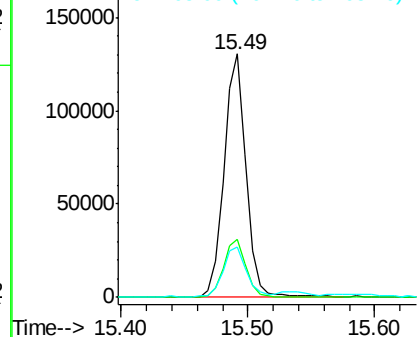
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	20.5	17.5	26.3

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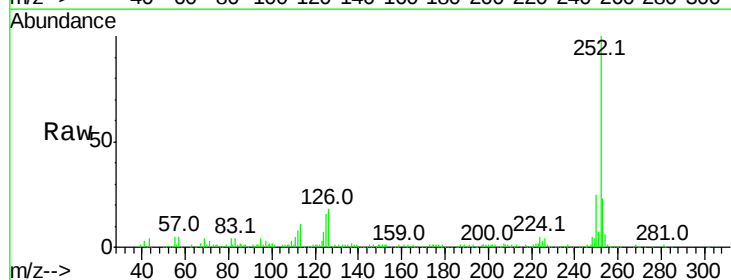


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

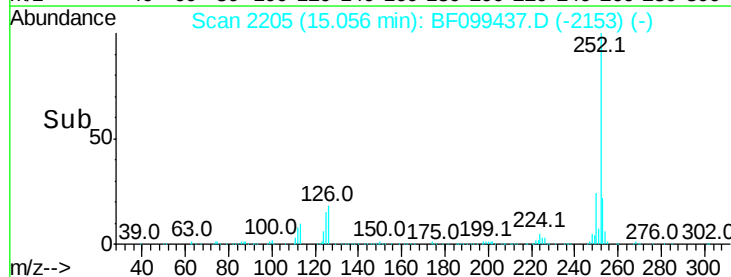
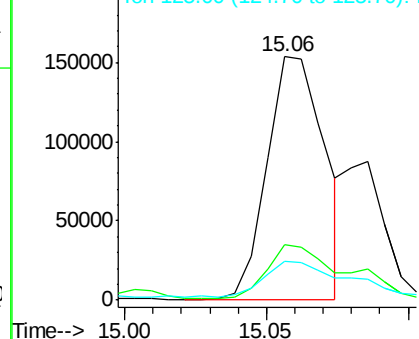


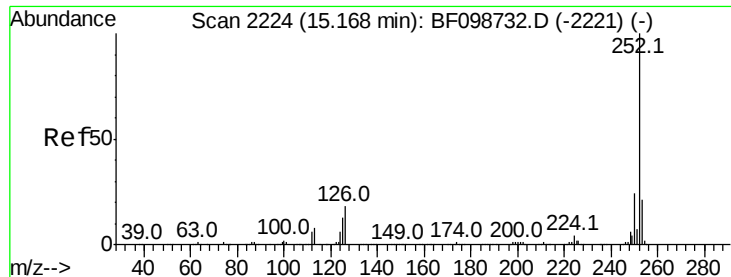
#87
 Benzo(b)fluoranthene
 Concen: 22.480 ng m
 RT: 15.06 min Scan# 2205
 Delta R.T. 0.01 min
 Lab File: BF099437.D
 Acq: 13 Oct 2017 12:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	16.1	9.0	13.6



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E





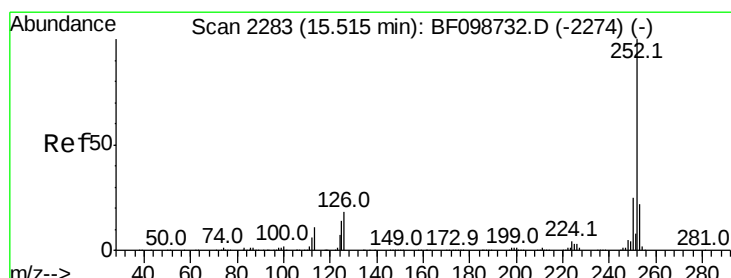
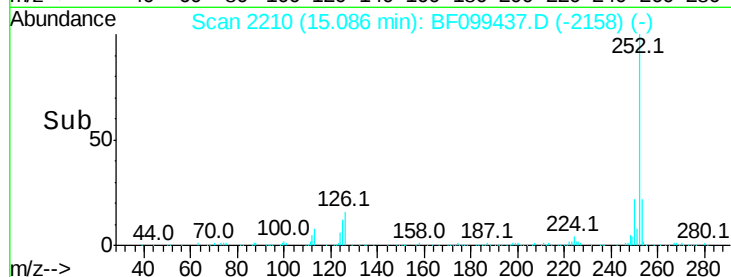
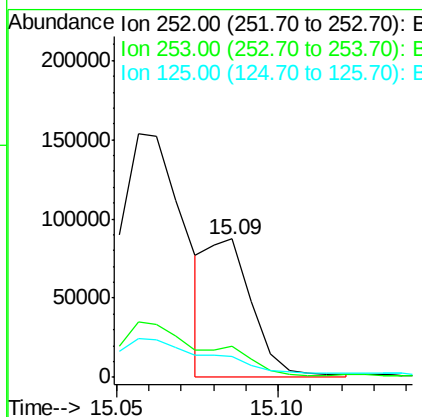
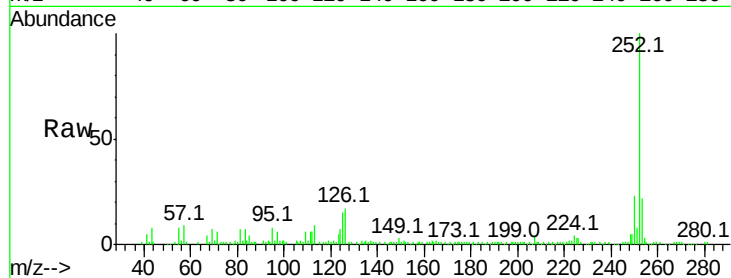
#88
Benzo(k)fluoranthene
Concen: 8.949 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF099437.D
Acq: 13 Oct 2017 12:30

Instrument :
BNA_F
ClientSampleId :
3W-(1-2)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	15.0	10.2	15.2

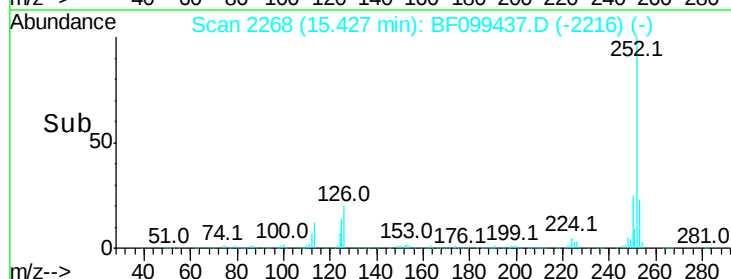
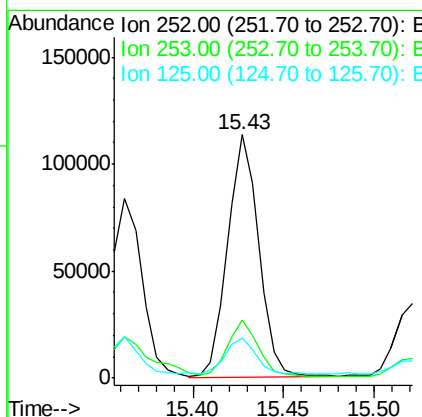
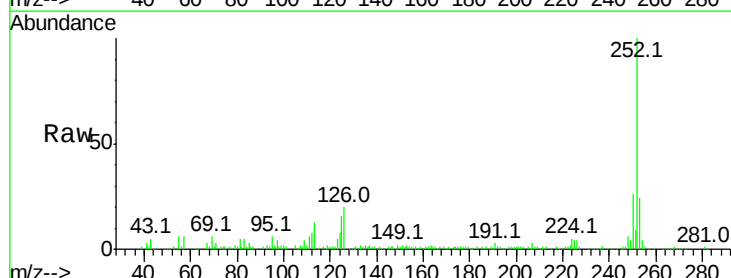
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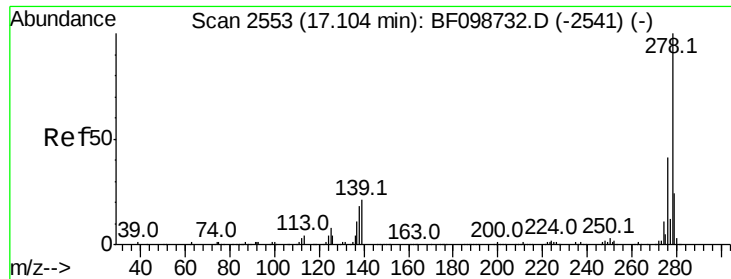
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#89
Benzo(a)pyrene
Concen: 15.273 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099437.D
Acq: 13 Oct 2017 12:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	16.3	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.699 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.00 min

Lab File: BF099437.D

Acq: 13 Oct 2017 12:30

Instrument :

BNA_F

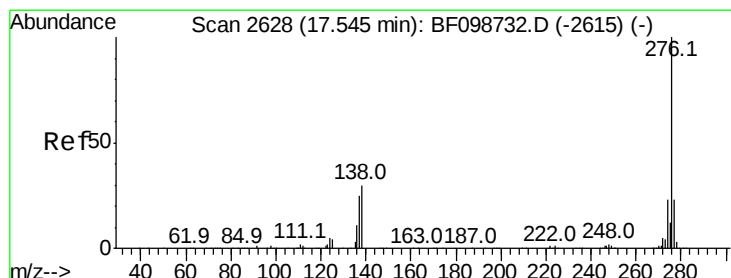
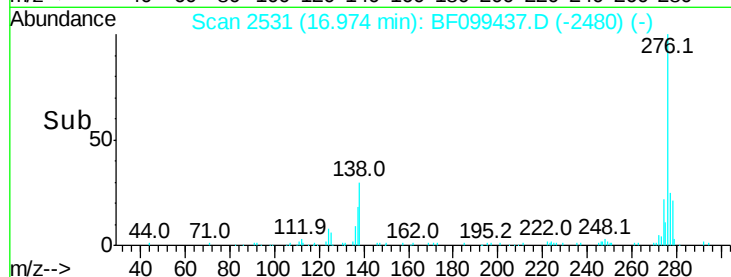
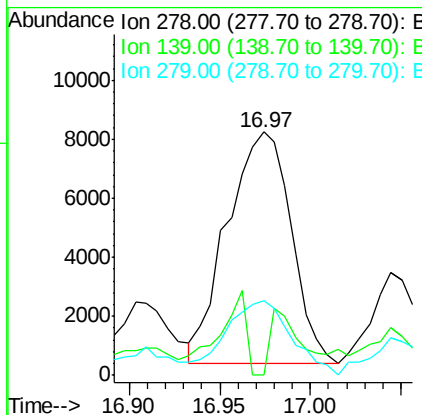
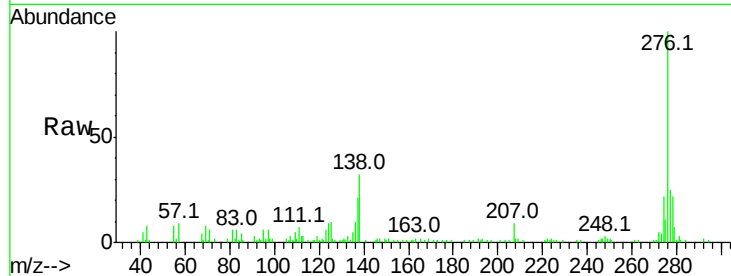
ClientSampleId :

3W-(1-2)DL

Tot Ion:	278	Resp:	19230
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	30.7	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 9.945 ng

RT: 17.42 min Scan# 2607

Delta R.T. 0.01 min

Lab File: BF099437.D

Acq: 13 Oct 2017 12:30

Tgt Ion:	276	Resp:	70031
Ion Ratio	Lower	Upper	
276	100		
277	22.9	17.9	26.9
138	31.4	21.8	32.8

