

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101217\
 Data File : BF099406.D
 Acq On : 12 Oct 2017 20:32
 Operator : SJ/JU
 Sample : I5729-06 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 10/13/2017 3:05:48 PM

Quant Time: Oct 13 02:37:30 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	117081	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	461104	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	180825	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	250817	20.00	ng	0.00
75) Chrysene-d12	14.02	240	202450	20.00	ng	0.00
86) Perylene-d12	15.49	264	176412	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	159941	21.75	ng	0.00
7) Phenol-d6	6.48	99	191691	21.13	ng	0.00
23) Nitrobenzene-d5	7.41	82	107229	14.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	26129	17.66	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	207561	19.16	ng	0.00
78) Terphenyl-d14	12.95	244	123165	13.84	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	8.16	128	70528	3.257	ng	98
37) 2-Methylnaphthalene	8.85	142	39883	2.833	ng	99
51) Acenaphthene	9.92	154	51585	4.559	ng	100
54) Dibenzofuran	10.09	168	70470	4.678	ng	98
57) Fluorene	10.43	166	55697	4.600	ng	98
70) Phenanthrene	11.40	178	659378	49.114	ng	99
71) Anthracene	11.45	178	166522	12.122	ng	98
72) Carbazole	11.60	167	79052	5.877	ng	99
74) Fluoranthene	12.60	202	1127019	82.900	ng	98
77) Pyrene	12.83	202	969481	62.800	ng	100
80) Benzo(a)anthracene	14.01	228	475747	38.808	ng	99
82) Chrysene	14.04	228	403748	34.594	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	147056	15.751	ng	97
87) Benzo(b)fluoranthene	15.06	252	455807m	42.023	ng	
88) Benzo(k)fluoranthene	15.09	252	156684m	14.625	ng	
89) Benzo(a)pyrene	15.43	252	273860	27.506	ng	# 93
90) Dibenzo(a,h)anthracene	16.98	278	37093	4.655	ng	# 86
91) Benzo(g,h,i)perylene	17.43	276	136187	17.291	ng	95

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

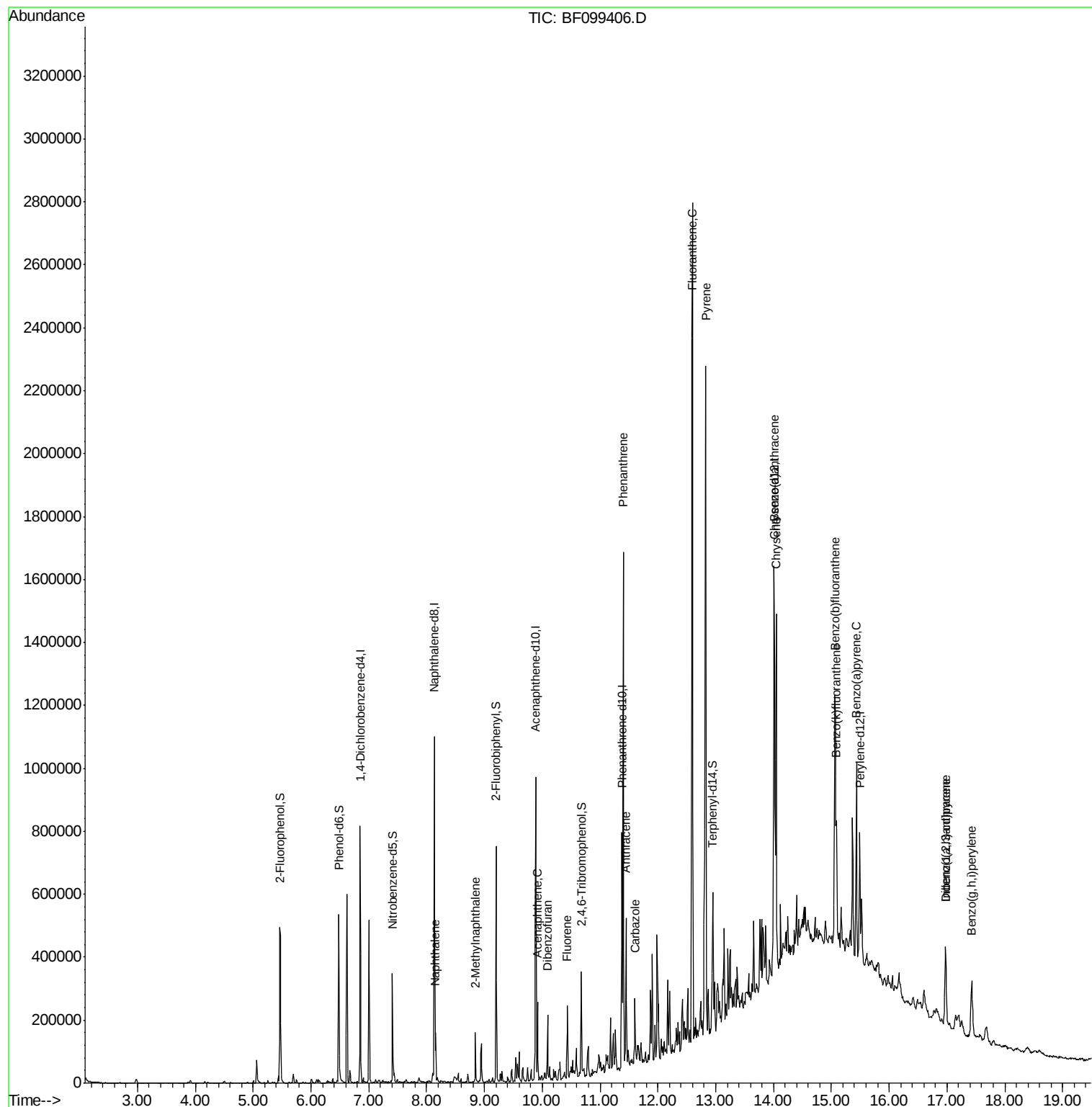
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101217\
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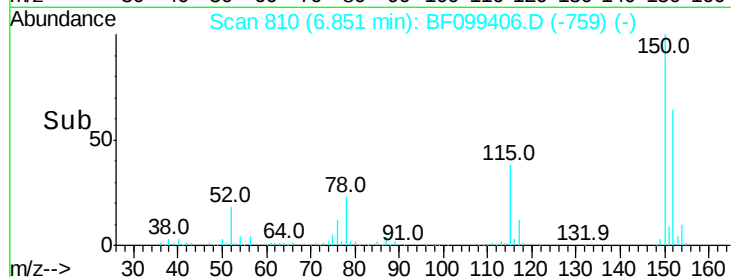
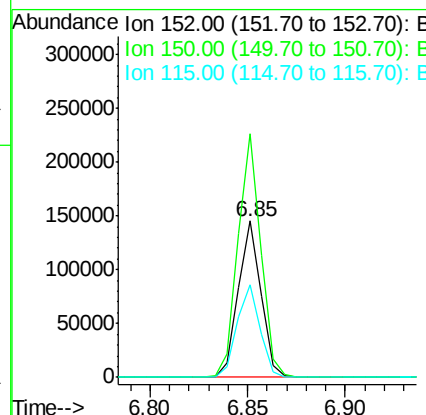
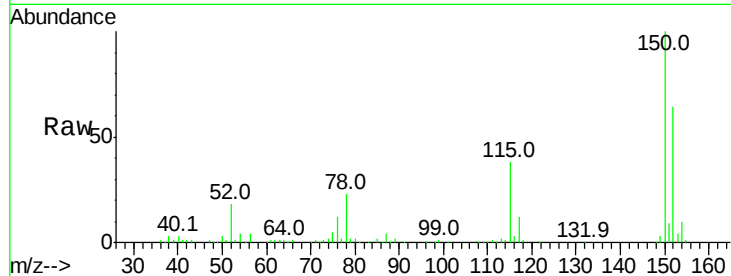
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: BF099406.D
 Acq: 12 Oct 2017 20:32

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	59.3	50.1	75.1

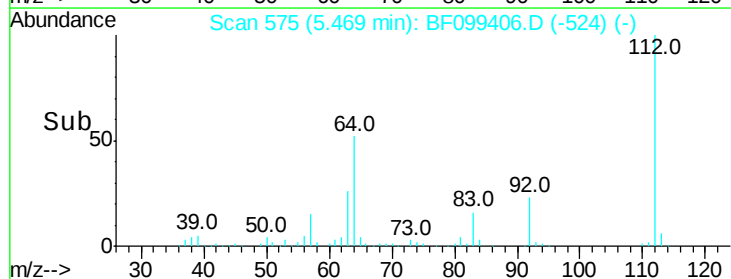
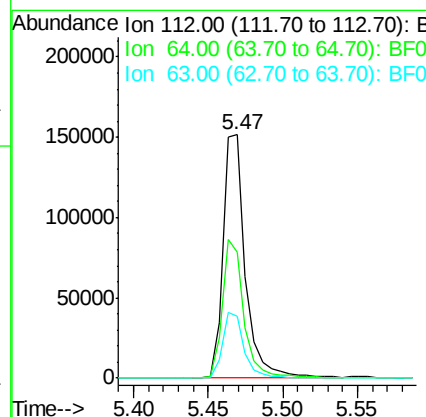
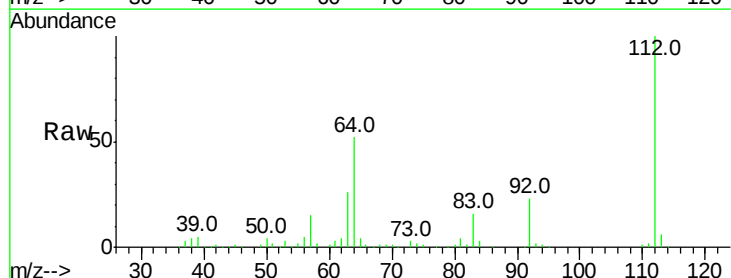
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#5
 2-Fluorophenol
 Concen: 21.746 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF099406.D
 Acq: 12 Oct 2017 20:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	47.9	71.9
63	25.6	23.7	35.5





#7

Phenol-d6

Concen: 21.128 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Instrument :

BNA_F

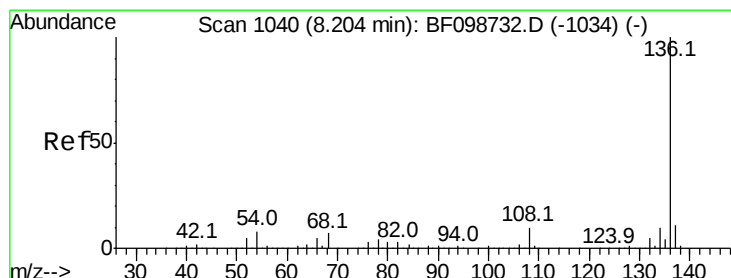
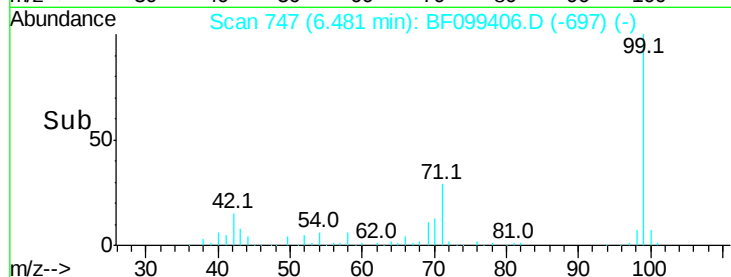
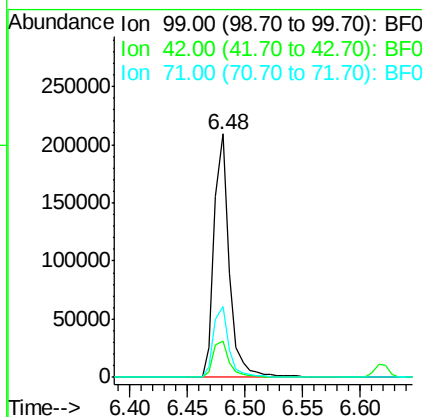
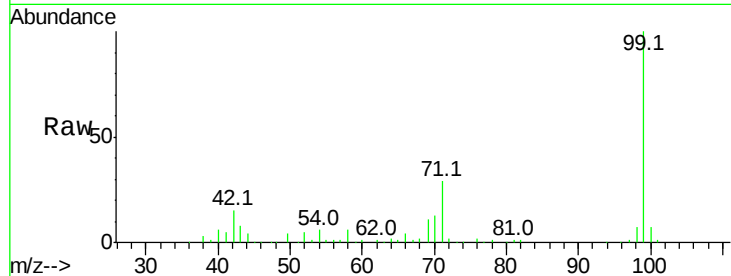
ClientSampled :

3W-(1-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		191691		
42	14.9	14.5	21.7		
71	29.0	25.4	38.0		

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

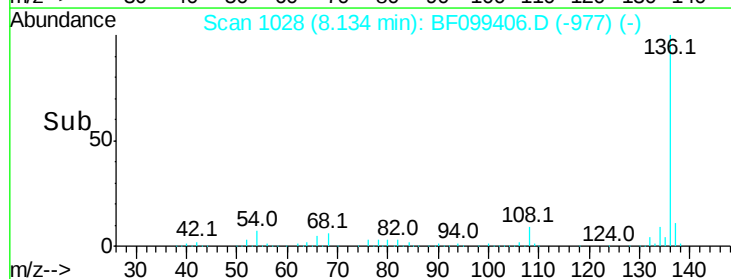
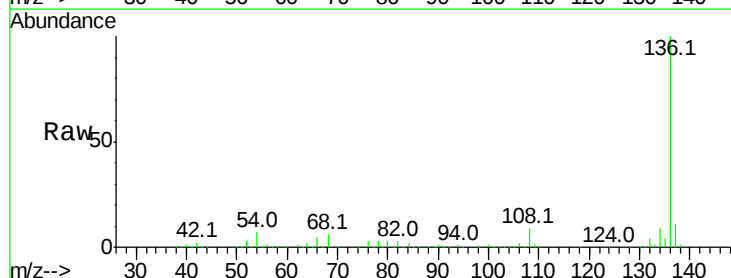
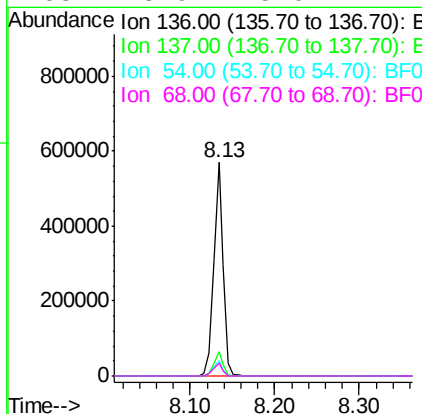
RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		461104		
137	11.2	8.9	13.3		
54	7.5	6.6	9.8		
68	5.9	5.0	7.4		





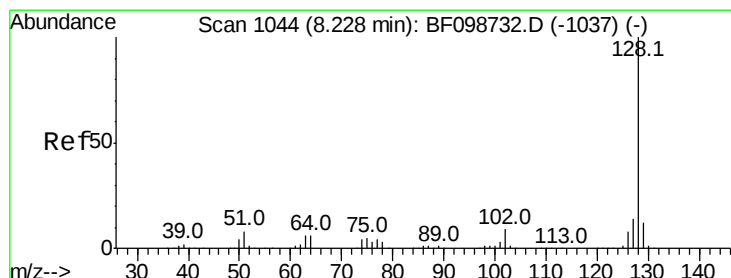
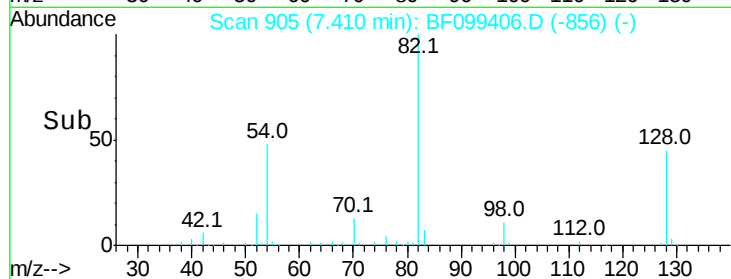
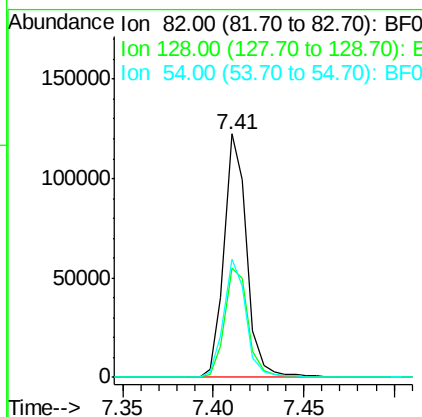
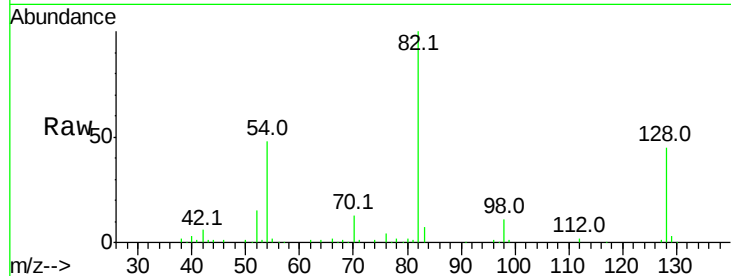
#23
Nitrobenzene-d5
Concen: 14.913 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099406.D
Acq: 12 Oct 2017 20:32

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	36.1	54.1	
54	48.3	41.4	62.2	

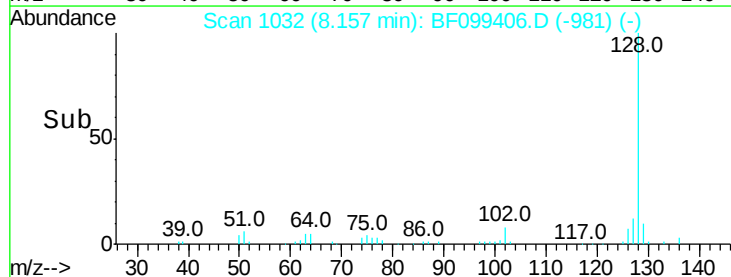
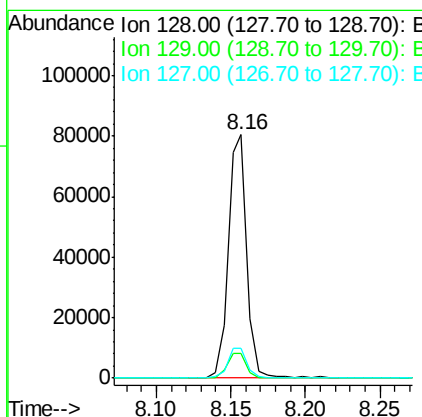
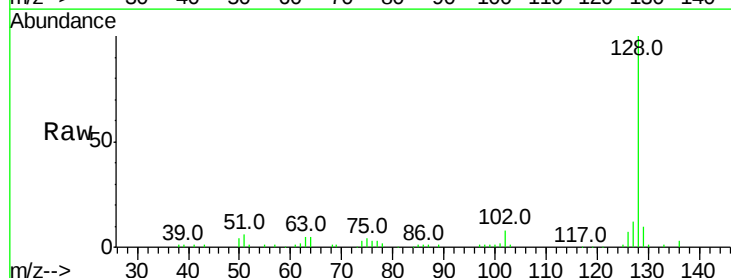
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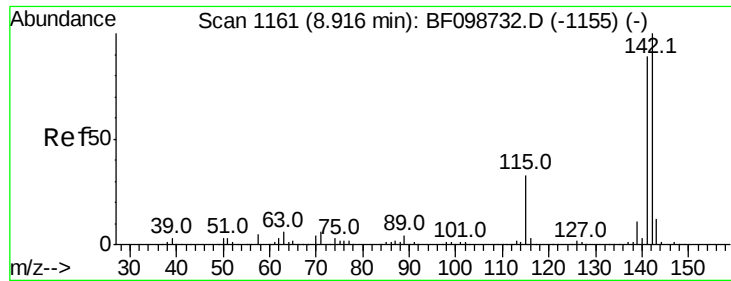
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#31
Naphthalene
Concen: 3.257 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF099406.D
Acq: 12 Oct 2017 20:32

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.4	8.8	13.2	
127	12.4	10.9	16.3	





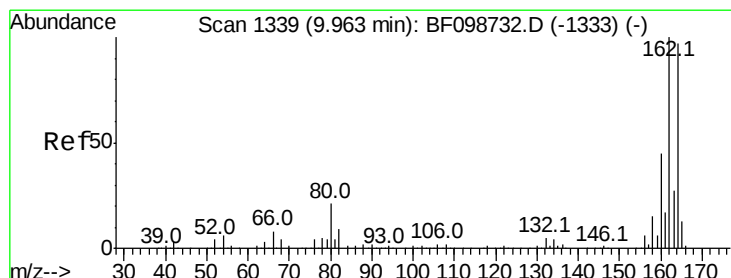
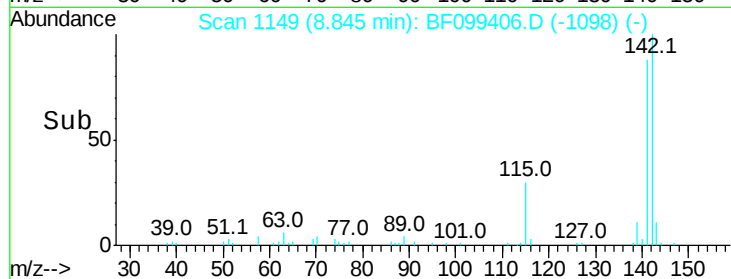
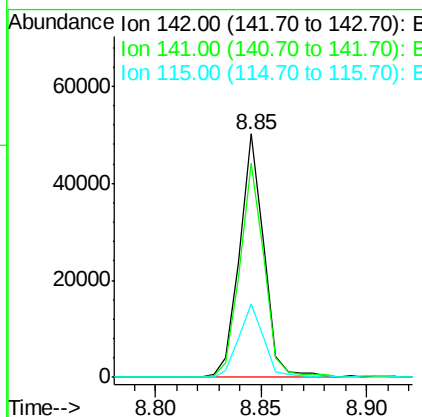
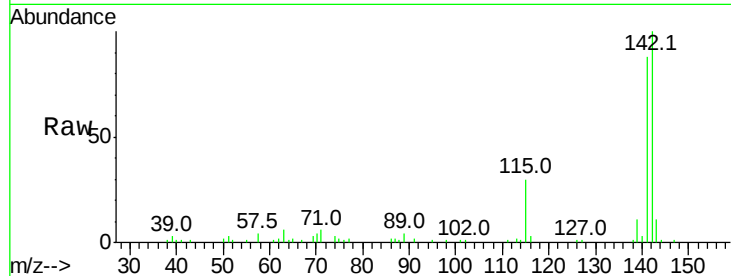
#37
2-Methylnaphthalene
Concen: 2.833 ng
RT: 8.85 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BF099406.D
Acq: 12 Oct 2017 20:32

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

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2
115	30.1	26.1	39.1

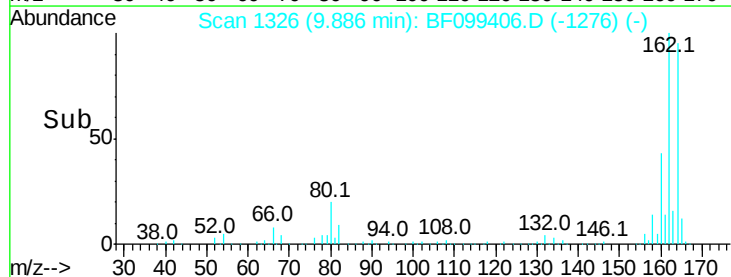
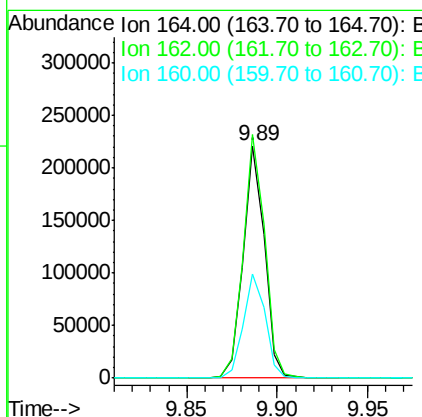
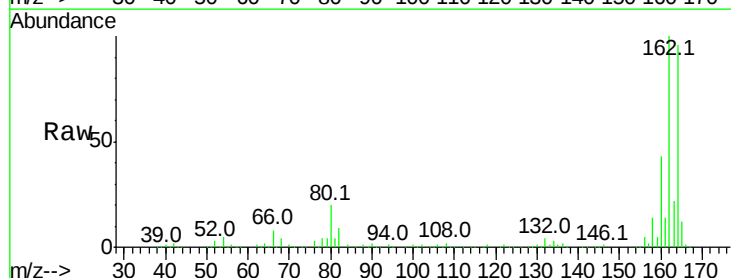
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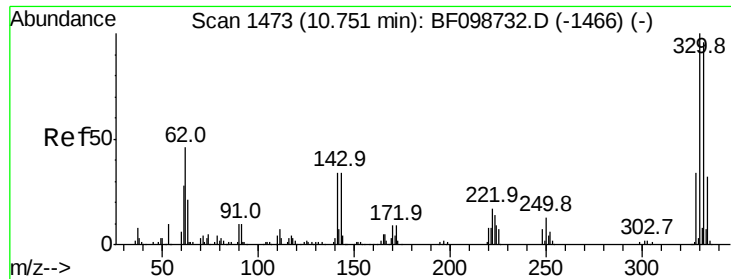
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099406.D
Acq: 12 Oct 2017 20:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	44.9	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 17.659 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Instrument :

BNA_F

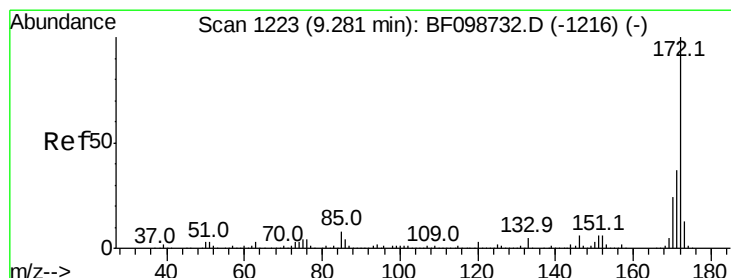
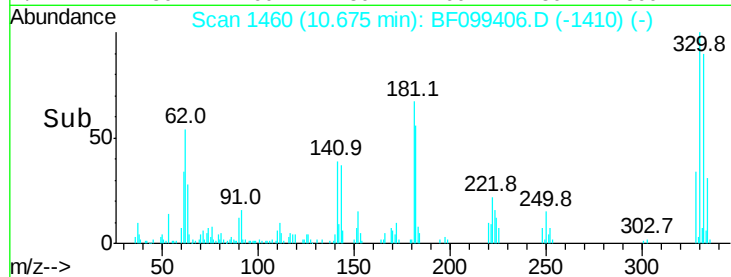
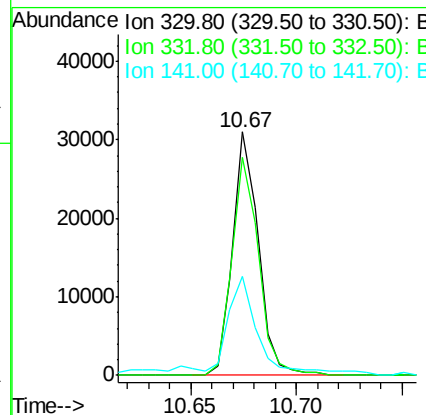
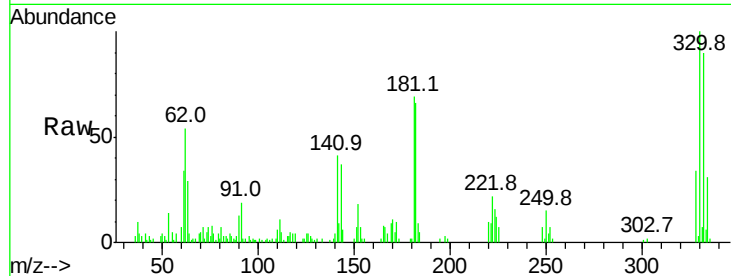
ClientSampled :

3W-(1-2)

Tot Ion:	330	Resp:	26129
Ion Ratio	Lower	Upper	
330	100		
332	92.7	77.0	115.6
141	56.8	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 19.162 ng

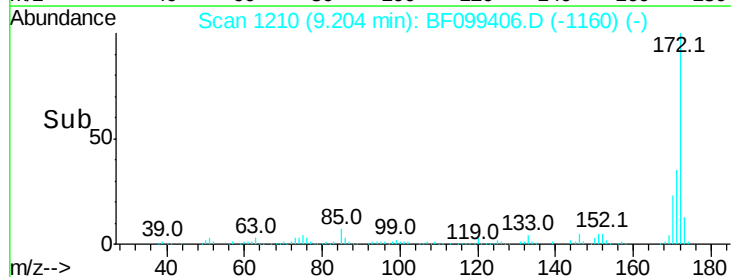
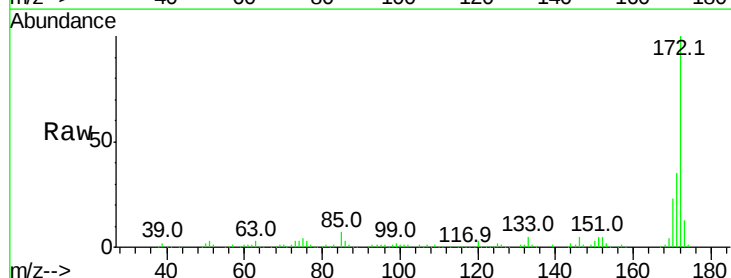
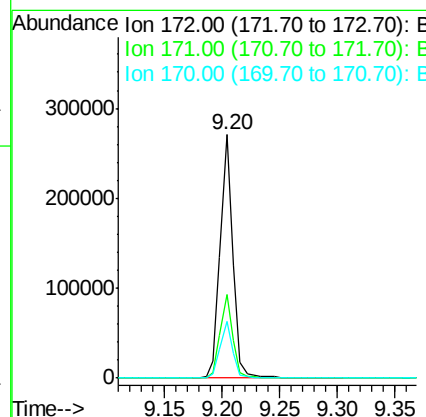
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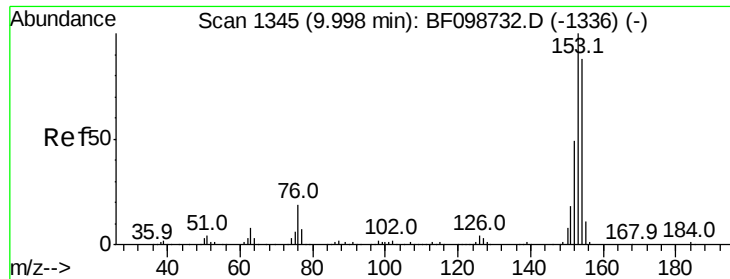
Delta R.T. -0.01 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Tgt Ion:	172	Resp:	207561
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.7	44.5
170	23.2	19.6	29.4





#51

Acenaphthene

Concen: 4.559 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Instrument :

BNA_F

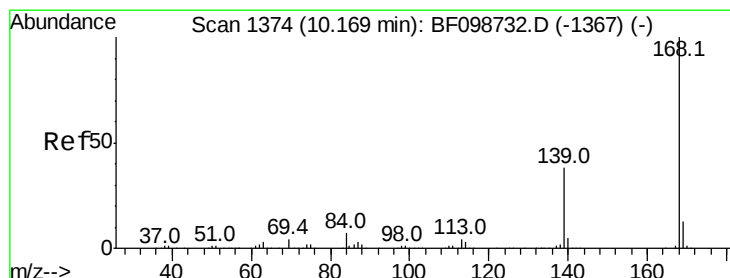
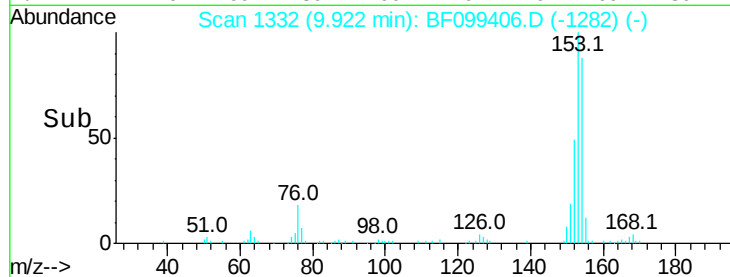
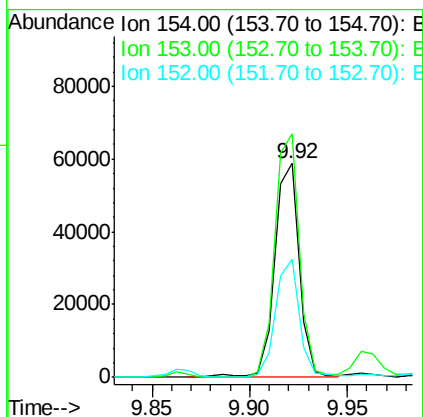
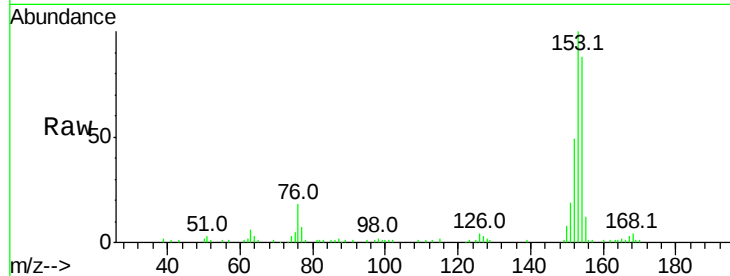
ClientSampled :

3W-(1-2)

Tot Ion:	154	Resp:	51585
Ion Ratio	Lower	Upper	
154	100		
153	113.8	91.2	136.8
152	55.2	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 4.678 ng

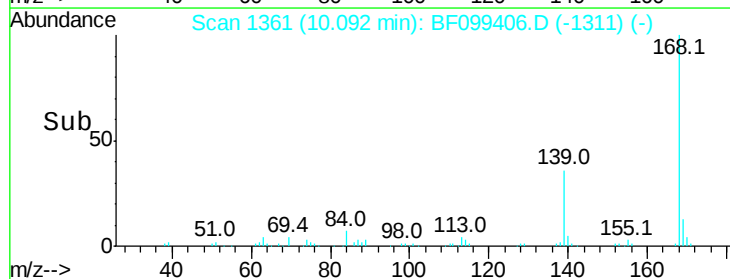
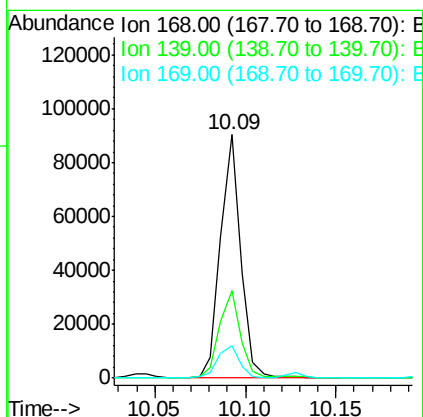
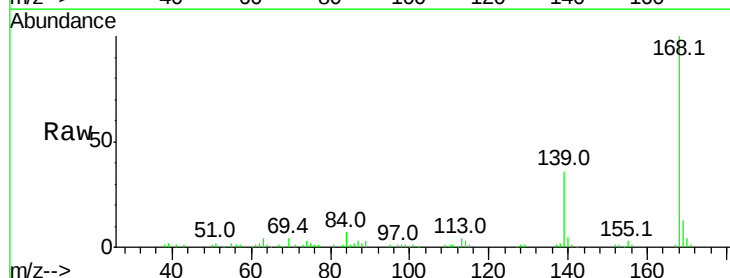
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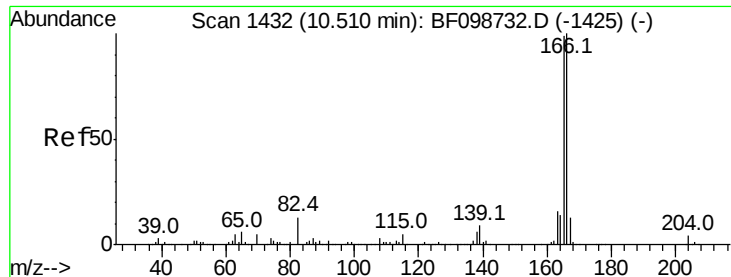
Delta R.T. -0.01 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Tgt Ion:	168	Resp:	70470
Ion Ratio	Lower	Upper	
168	100		
139	36.2	30.1	45.1
169	13.4	10.9	16.3





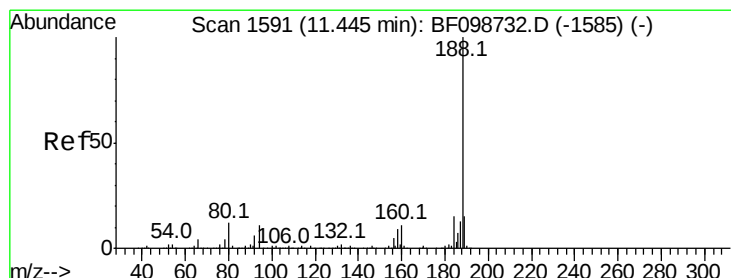
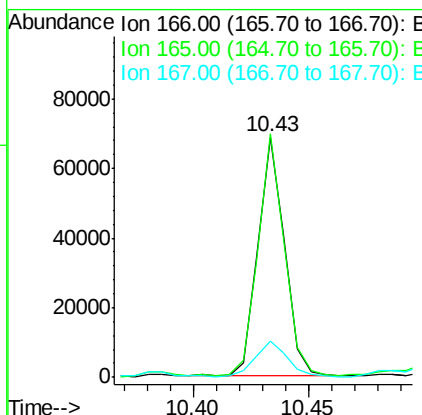
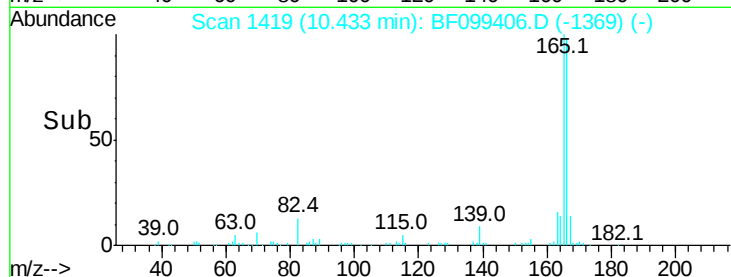
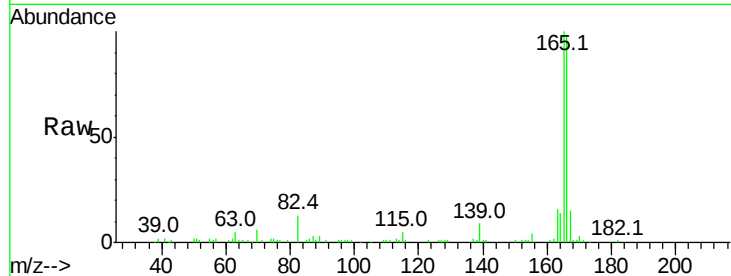
#57
 Fluorene
 Concen: 4.600 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.01 min
 Lab File: BF099406.D
 Acq: 12 Oct 2017 20:32

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.8	119.8
167	15.3	10.6	16.0

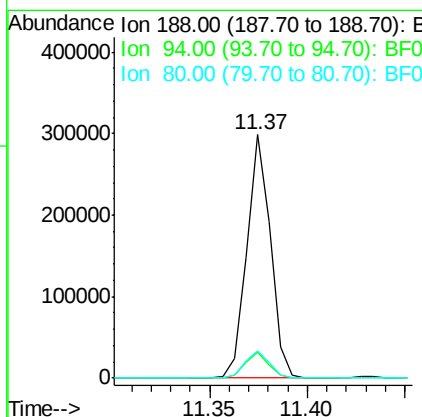
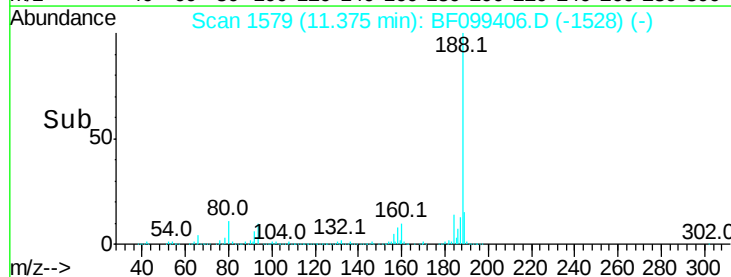
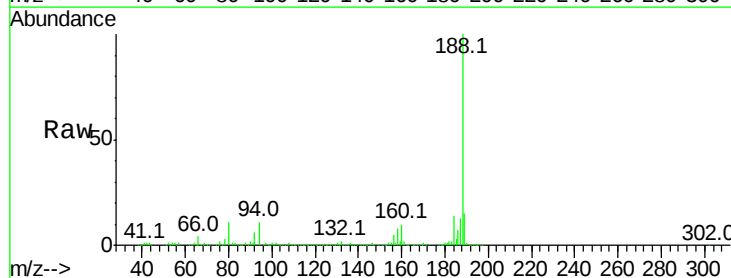
Manual Integrations
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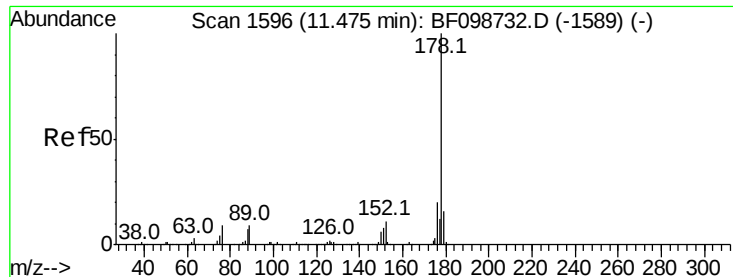
Sohil
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: BF099406.D
 Acq: 12 Oct 2017 20:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.4	9.2	13.8





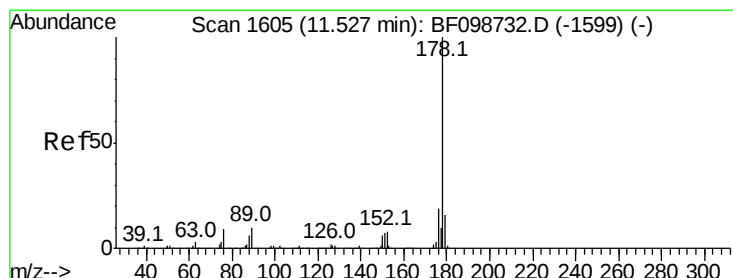
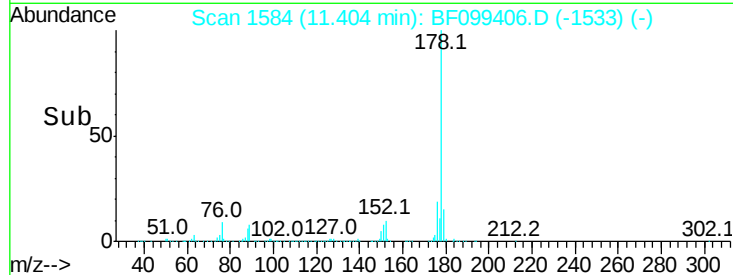
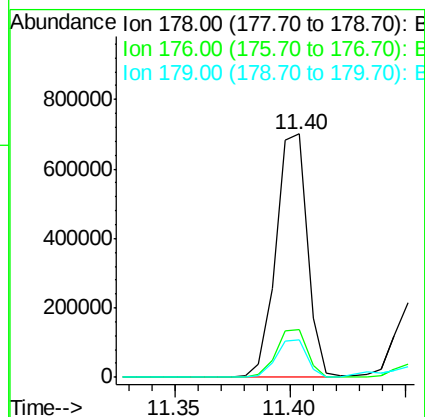
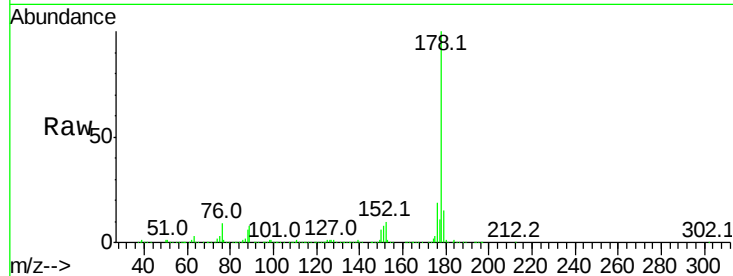
#70
Phenanthrene
Concen: 49.114 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF099406.D
Acq: 12 Oct 2017 20:32

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

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

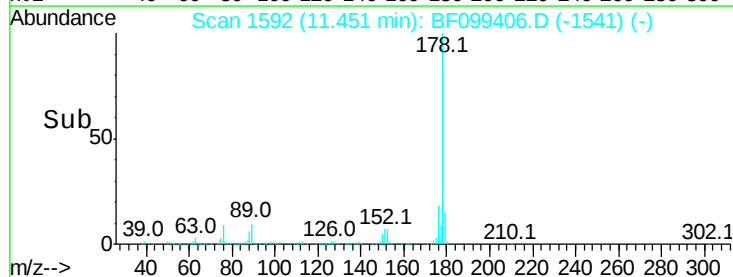
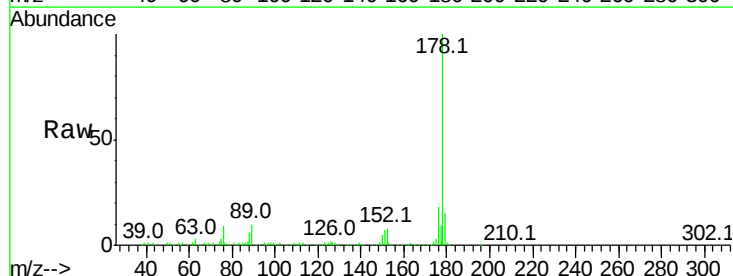
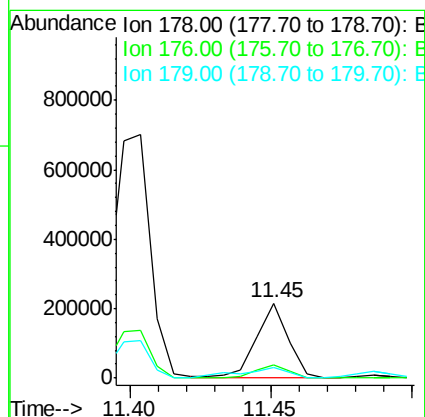
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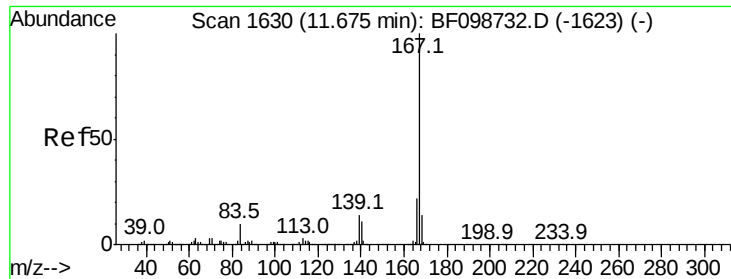
Sohil
10/13/2017 3:05:48 PM



#71
Anthracene
Concen: 12.122 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF099406.D
Acq: 12 Oct 2017 20:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	14.9	12.6	19.0





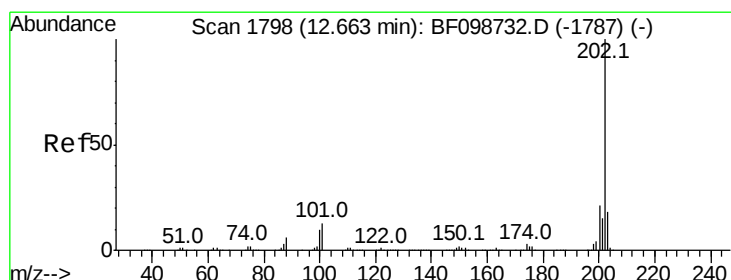
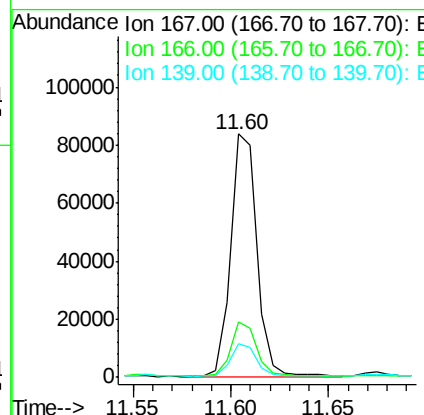
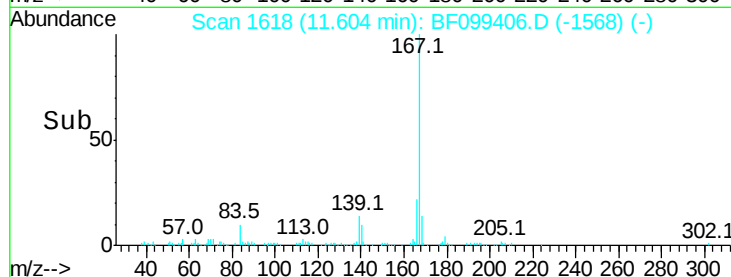
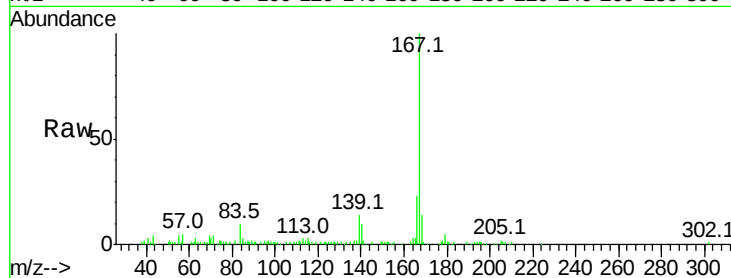
#72
 Carbazole
 Concen: 5.877 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF099406.D
 Acq: 12 Oct 2017 20:32

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

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	14.0	10.9	16.3

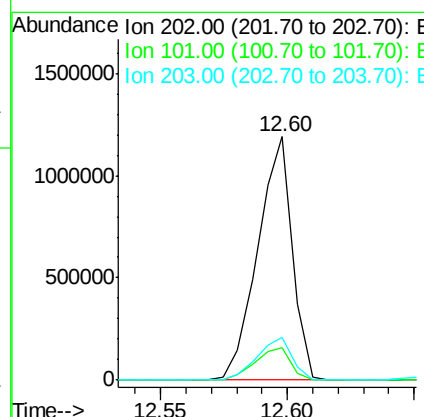
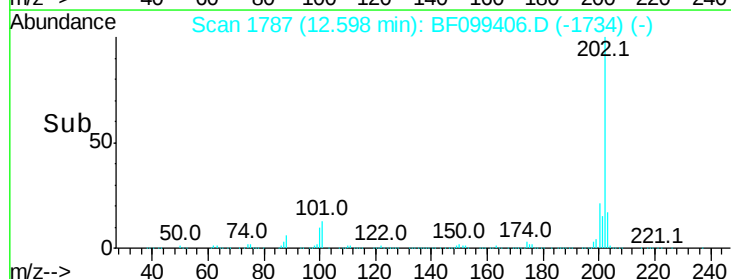
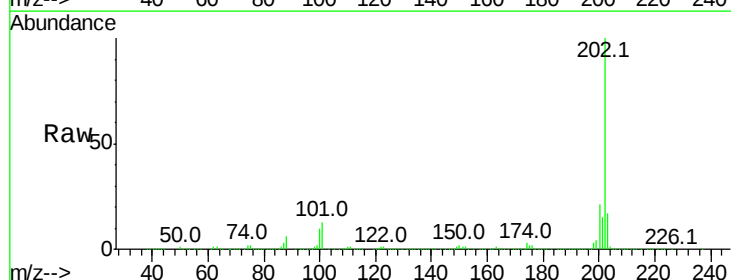
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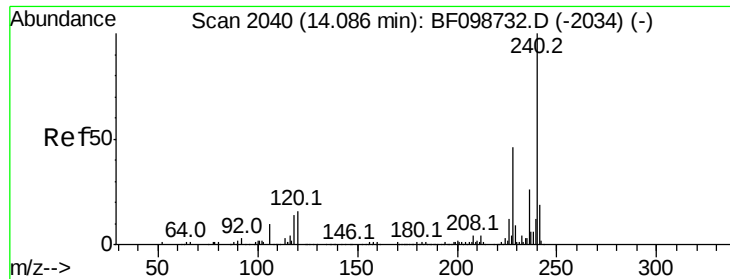
Sohil
 10/13/2017 3:05:48 PM



#74
 Fluoranthene
 Concen: 82.900 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.01 min
 Lab File: BF099406.D
 Acq: 12 Oct 2017 20:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Instrument :

BNA_F

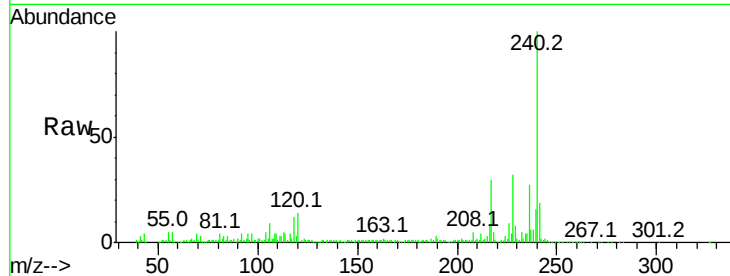
ClientSampleId :

3W-(1-2)

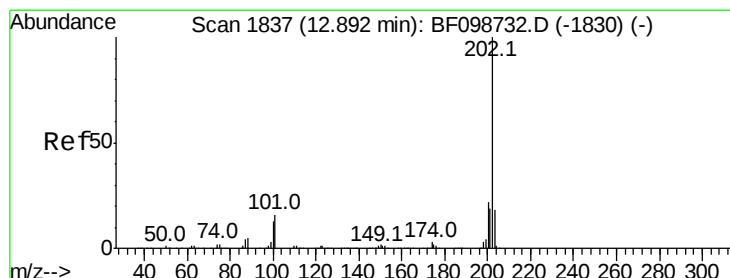
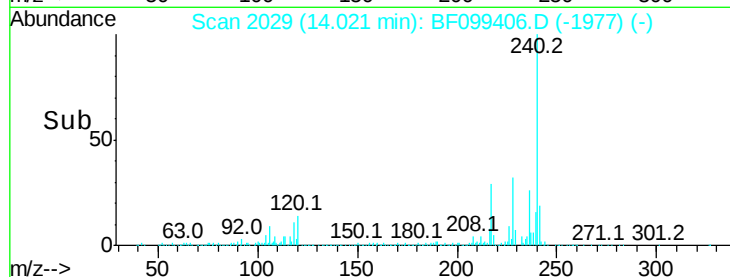
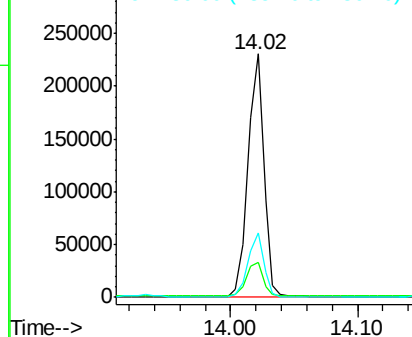
Tot Ion:	240	Resp:	202450
Ion Ratio	Lower	Upper	
240	100		
120	14.2	9.5	14.3
236	26.5	20.7	31.1

Manual Integrations
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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: 62.800 ng

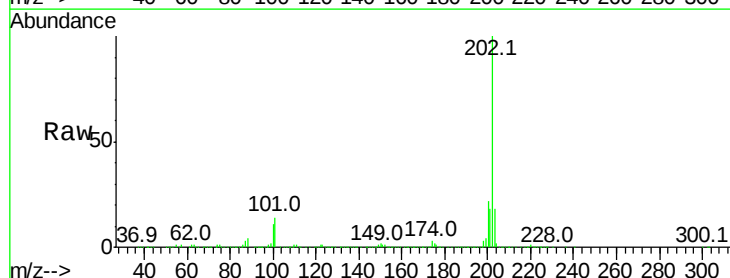
RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

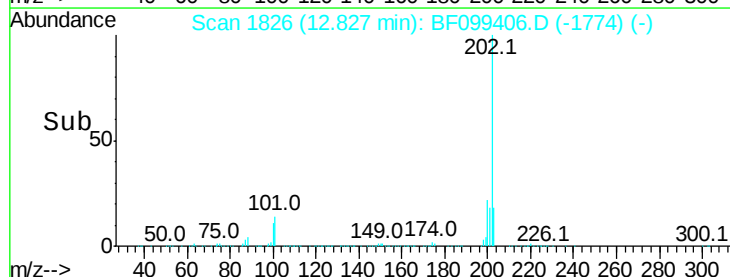
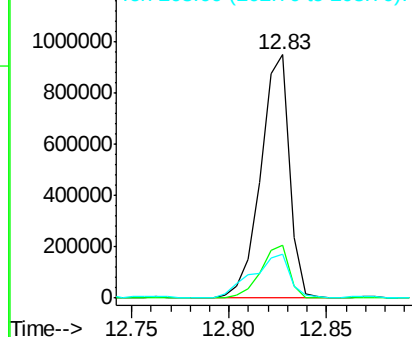
Lab File: BF099406.D

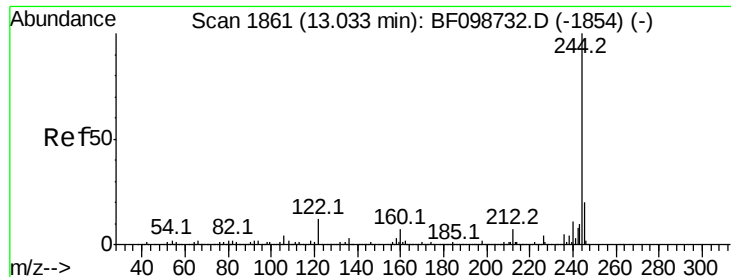
Acq: 12 Oct 2017 20:32

Tgt Ion:	202	Resp:	969481
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	18.2	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





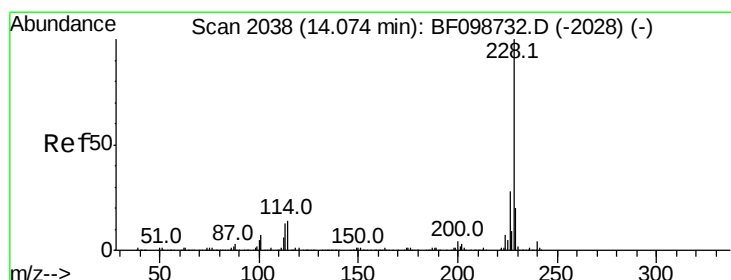
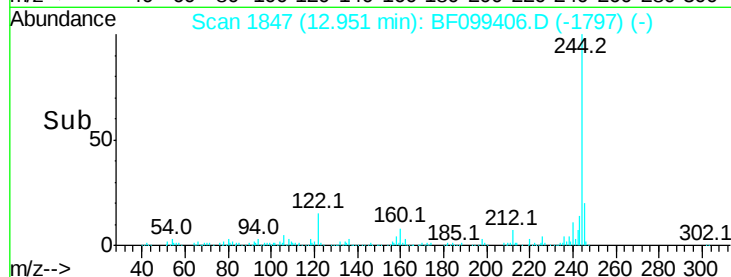
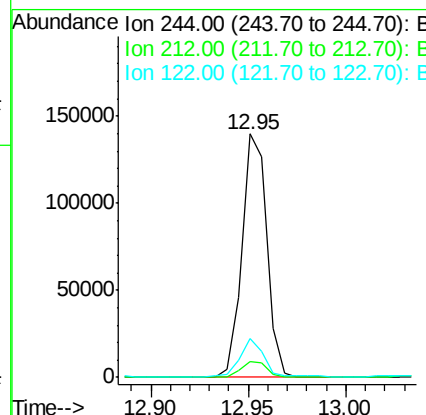
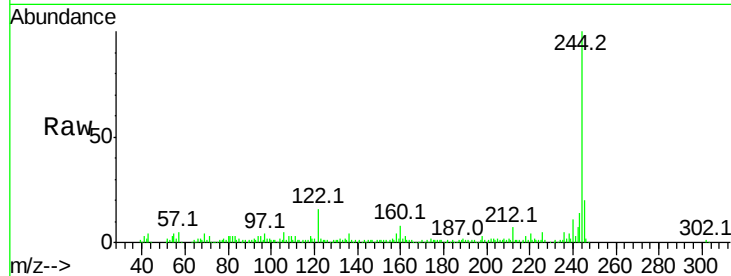
#78
 Terphenyl-d14
 Concen: 13.836 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099406.D
 Acq: 12 Oct 2017 20:32

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	15.9	11.0	16.4

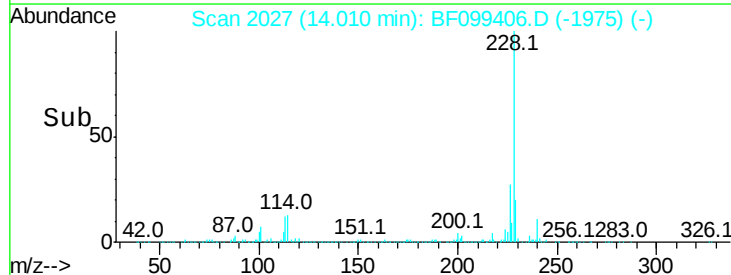
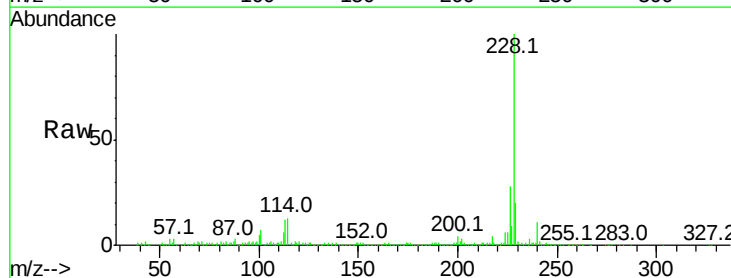
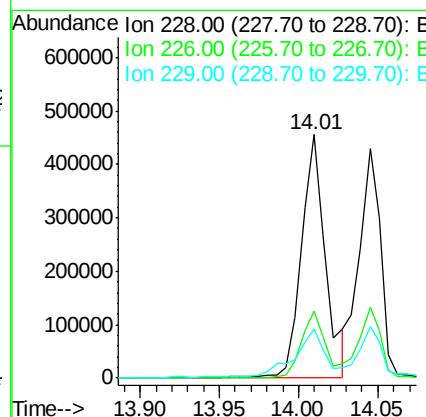
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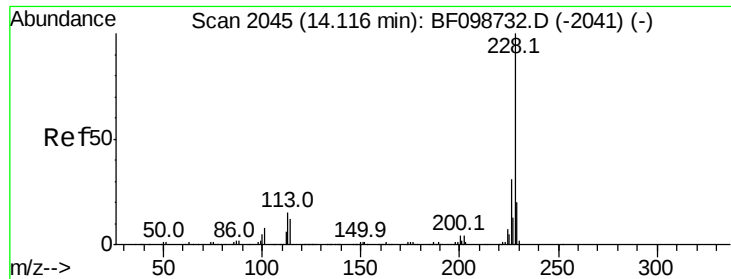
Sohil
 10/13/2017 3:05:48 PM



#80
 Benzo(a)anthracene
 Concen: 38.808 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.01 min
 Lab File: BF099406.D
 Acq: 12 Oct 2017 20:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	20.3	15.8	23.6





#82

Chrysene

Concen: 34.594 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Instrument :

BNA_F

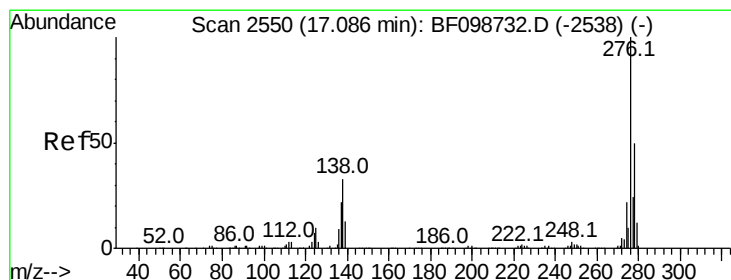
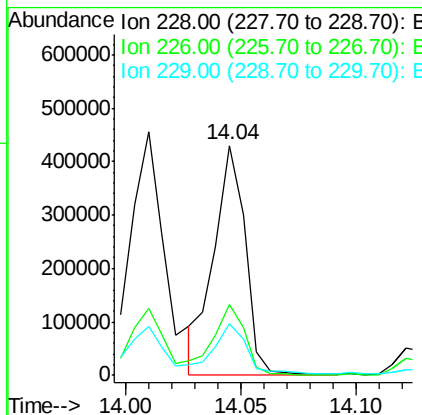
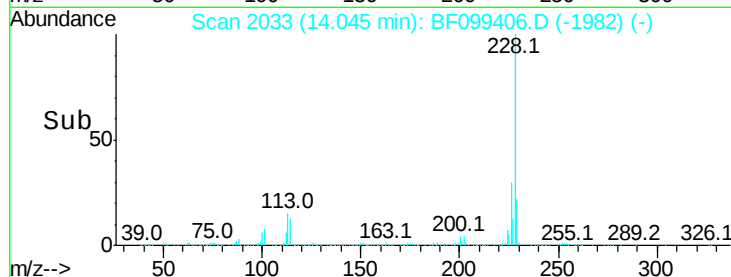
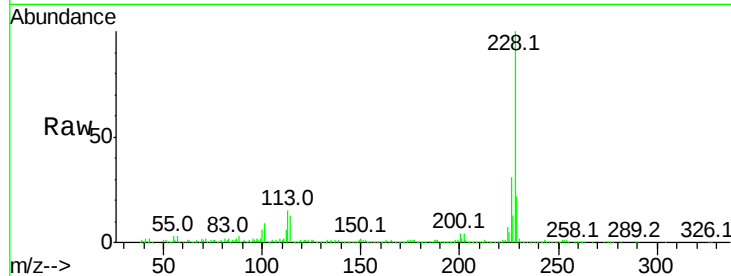
ClientSampleId :

3W-(1-2)

Tot Ion:	228	Resp:	403748
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	22.5	16.2	24.4

Manual Integrations
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Sohil
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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.751 ng

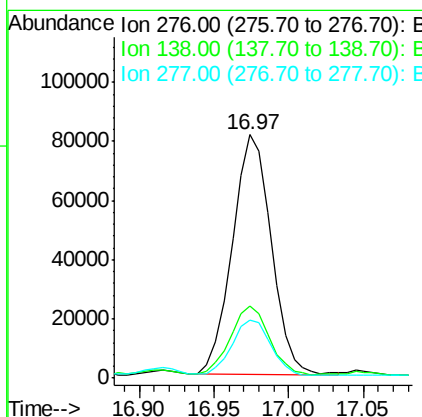
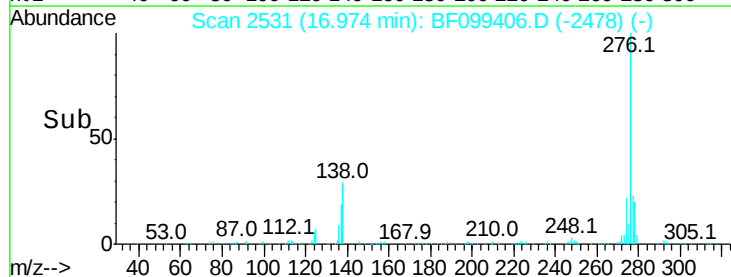
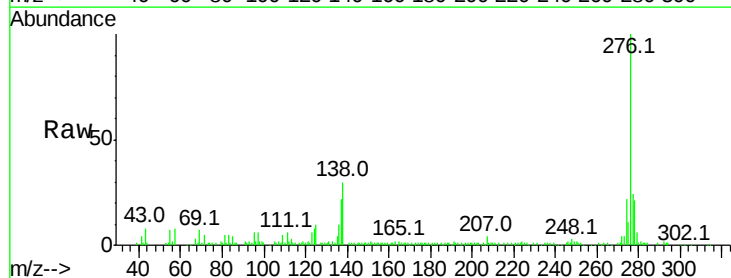
RT: 16.97 min Scan# 2531

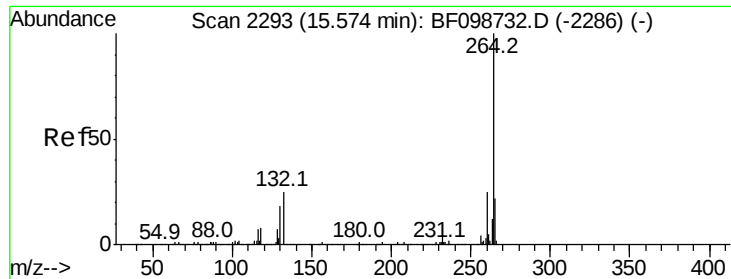
Delta R.T. 0.01 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Tgt Ion:	276	Resp:	147056
Ion Ratio	Lower	Upper	
276	100		
138	29.2	25.0	37.6
277	23.6	20.1	30.1





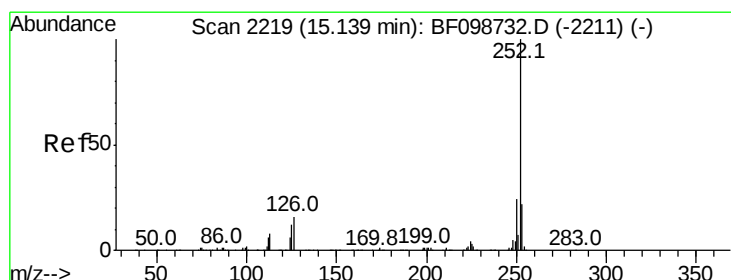
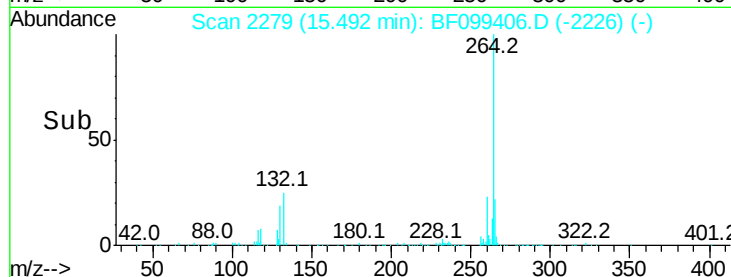
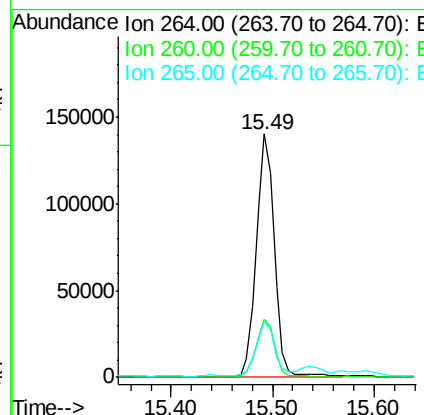
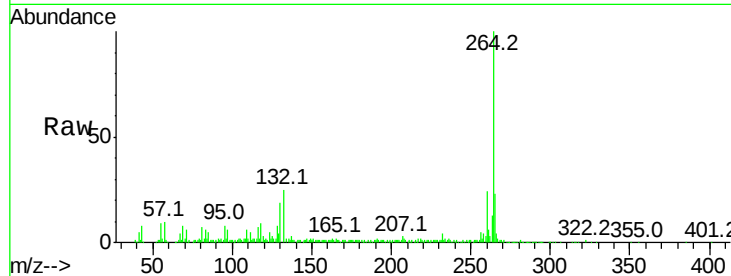
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.01 min
Lab File: BF099406.D
Acq: 12 Oct 2017 20:32

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.8	17.5	26.3

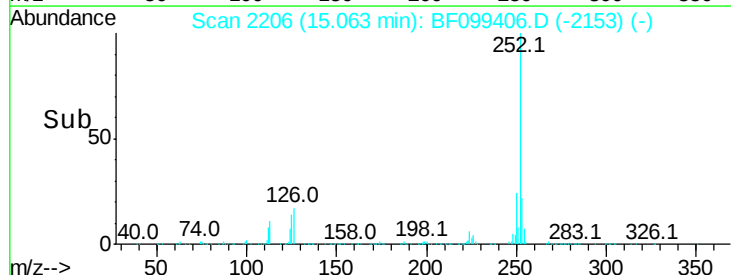
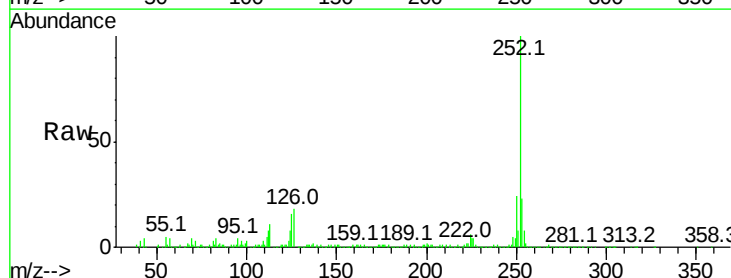
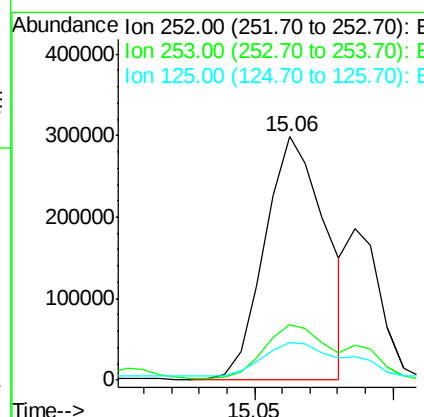
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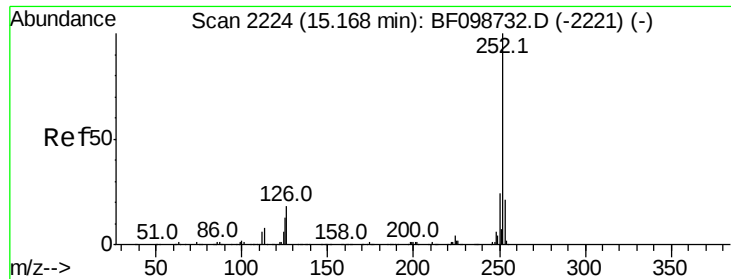
Sohil
10/13/2017 3:05:48 PM



#87
Benzo(b)fluoranthene
Concen: 42.023 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF099406.D
Acq: 12 Oct 2017 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	15.5	9.0	13.6





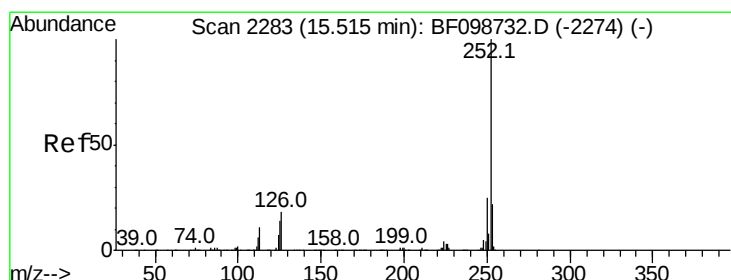
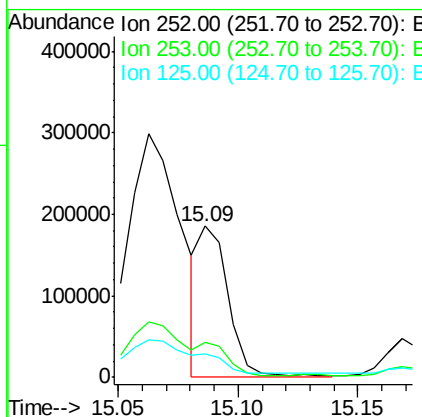
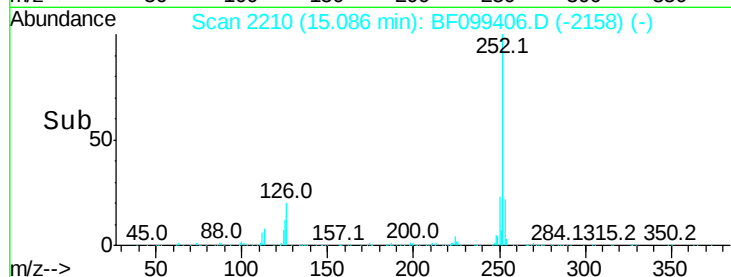
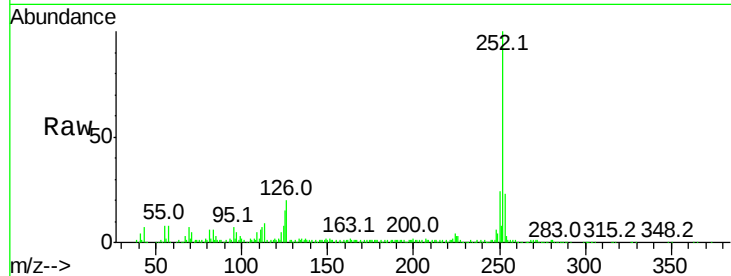
#88
Benzo(k)fluoranthene
Concen: 14.625 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF099406.D
Acq: 12 Oct 2017 20:32

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	15.1	10.2	15.2

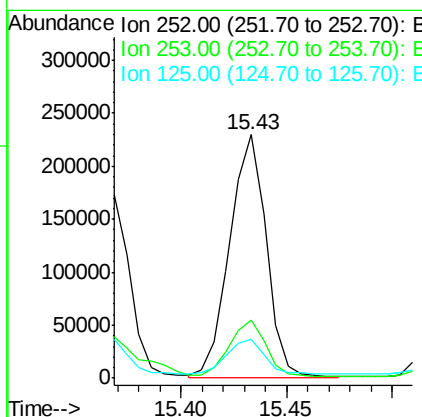
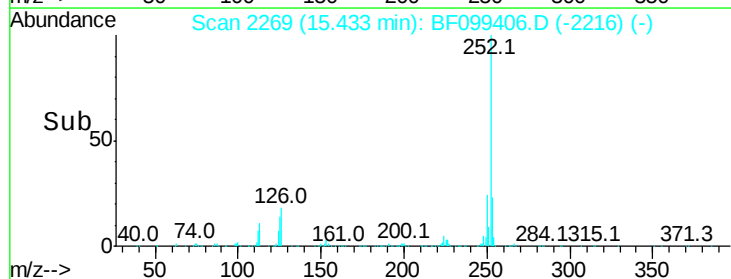
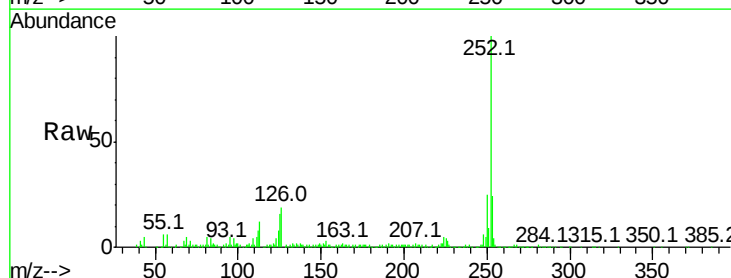
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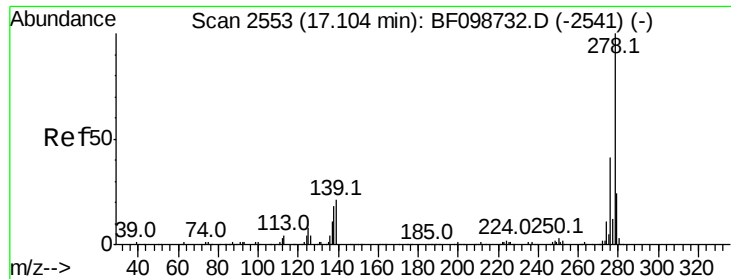
Sohil
10/13/2017 3:05:48 PM



#89
Benzo(a)pyrene
Concen: 27.506 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF099406.D
Acq: 12 Oct 2017 20:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	15.9	9.8	14.6#





#90

Dibenzo(a,h)anthracene

Concen: 4.655 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Instrument :

BNA_F

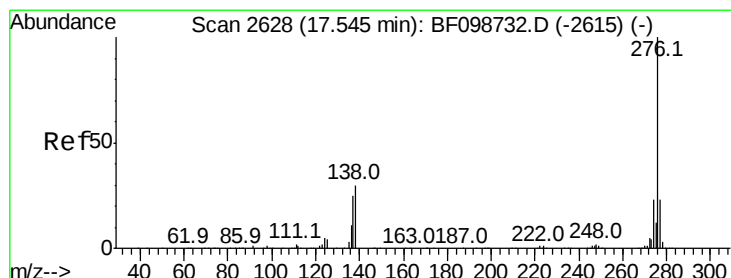
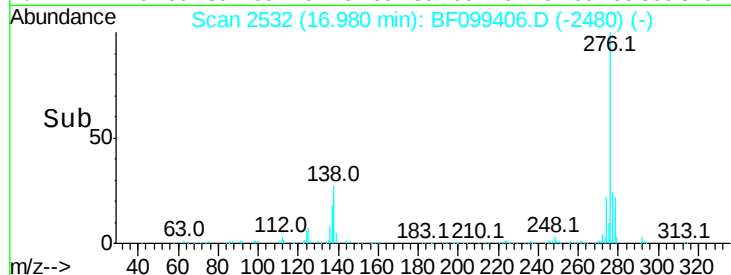
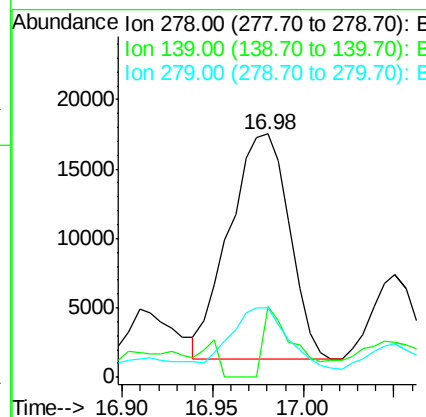
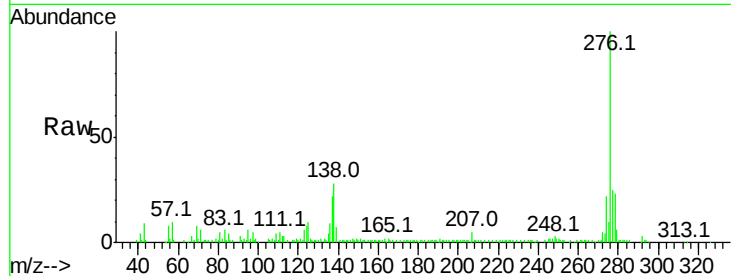
ClientSampled :

3W-(1-2)

Tot Ion:	278	Resp:	37093
Ion Ratio	Lower	Upper	
278	100		
139	29.0	15.9	23.9#
279	28.3	19.0	28.4

Manual Integrations
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Sohil
10/13/2017 3:05:48 PM



#91

Benzo(g,h,i)perylene

Concen: 17.291 ng

RT: 17.43 min Scan# 2608

Delta R.T. 0.02 min

Lab File: BF099406.D

Acq: 12 Oct 2017 20:32

Tgt Ion:	276	Resp:	136187
Ion Ratio	Lower	Upper	
276	100		
277	24.3	17.9	26.9
138	30.6	21.8	32.8

