

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098800.D
 Acq On : 25 Sep 2017 23:27
 Operator : SJ/JU
 Sample : I5380-01 50X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-092217

Manual Integrations
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Quant Time: Sep 26 07:50:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	150236	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	645493	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	307984	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	555585	20.00	ng	0.00
75) Chrysene-d12	14.08	240	338654	20.00	ng	0.00
86) Perylene-d12	15.57	264	276466	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	13855	1.47	ng	-0.02
7) Phenol-d6	6.52	99	19895	1.71	ng	-0.02
23) Nitrobenzene-d5	7.47	82	11266	1.12	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	5515	2.19	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	33215	1.80	ng	-0.02
78) Terphenyl-d14	13.02	244	36609	2.46	ng	-0.02

Target Compounds				Qvalue		
31) Naphthalene	8.22	128	133817	4.414	ng	98
37) 2-Methylnaphthalene	8.90	142	40213	2.040	ng	99
51) Acenaphthene	9.98	154	120176	6.236	ng	98
54) Dibenzofuran	10.15	168	117587	4.583	ng	98
57) Fluorene	10.50	166	172362	8.357	ng	99
70) Phenanthrene	11.47	178	1429588	48.071	ng	99
71) Anthracene	11.52	178	506160	16.634	ng	99
72) Carbazole	11.66	167	125500	4.212	ng	99
74) Fluoranthene	12.66	202	1968900	65.382	ng	99
77) Pyrene	12.89	202	1672560	64.769	ng	100
80) Benzo(a)anthracene	14.07	228	694010	33.844	ng	98
82) Chrysene	14.10	228	550768	28.211	ng	97
85) Indeno(1,2,3-cd)pyrene	17.07	276	282306	18.077	ng	96
87) Benzo(b)fluoranthene	15.13	252	552842m	32.523	ng	
88) Benzo(k)fluoranthene	15.16	252	219449m	13.071	ng	
89) Benzo(a)pyrene	15.50	252	416802	26.713	ng	# 94
90) Dibenzo(a,h)anthracene	17.08	278	65450	5.241	ng	94
91) Benzo(g,h,i)perylene	17.53	276	262635	21.278	ng	97

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



#1

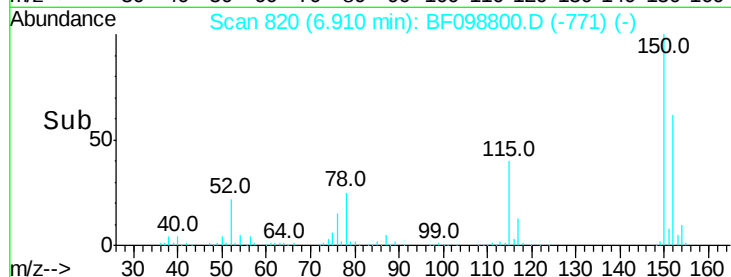
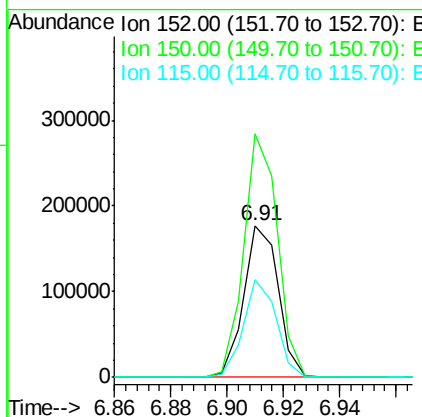
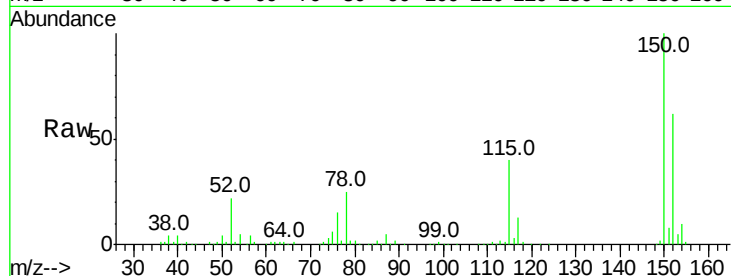
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Instrument :
BNA_F
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Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	64.6	50.1	75.1

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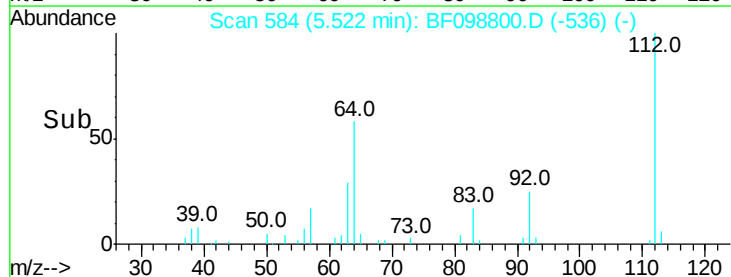
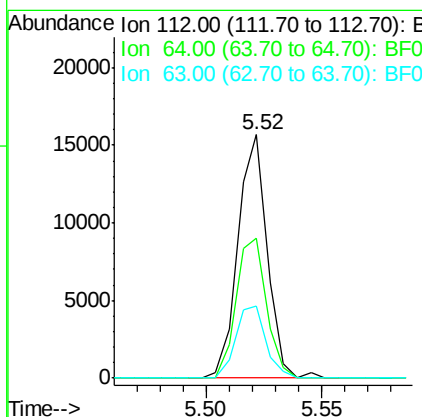
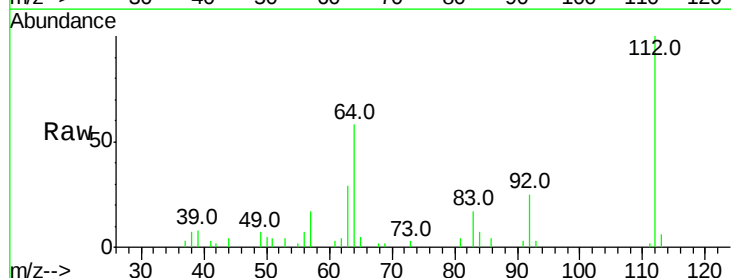
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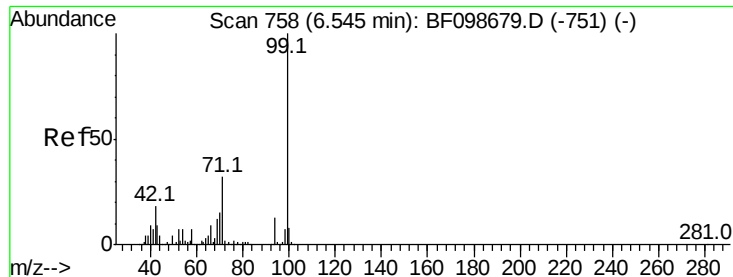


#5

2-Fluorophenol
Concen: 1.468 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	29.4	23.7	35.5





#7

Phenol-d6

Concen: 1.709 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF098800.D

Acq: 25 Sep 2017 23:27

Instrument :

BNA_F

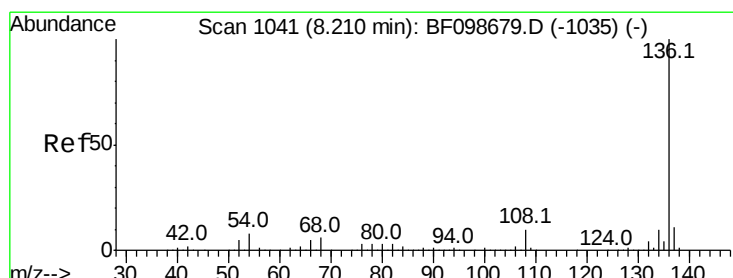
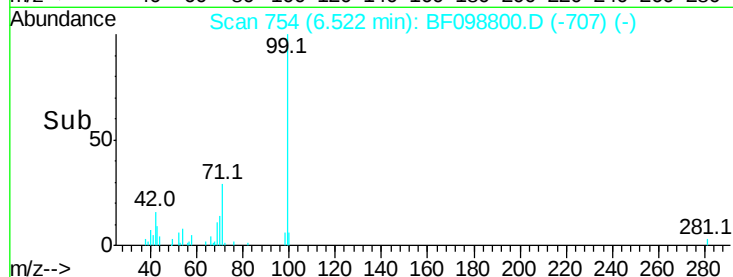
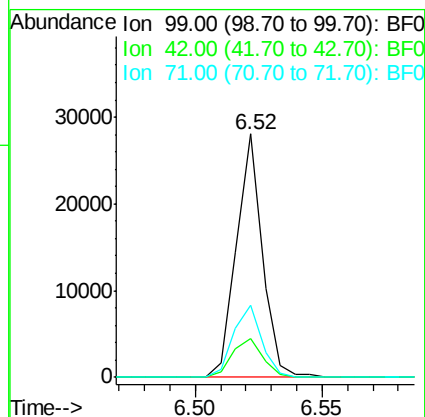
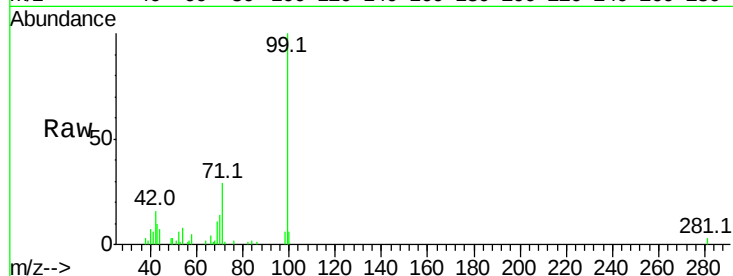
ClientSampleId :

SU-04-092217

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		19895		
42	16.2	14.5	21.7		
71	29.4	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

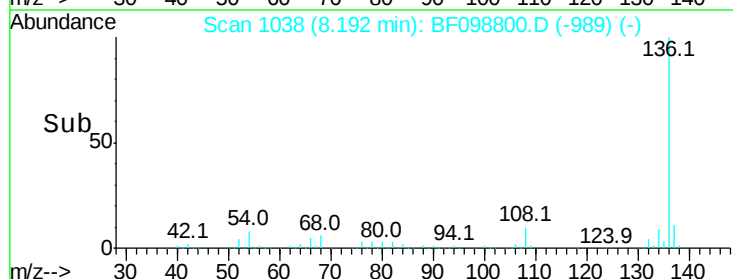
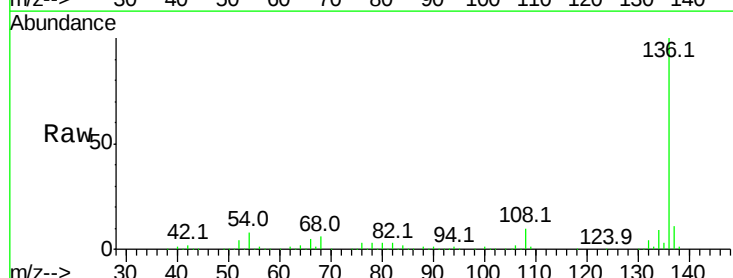
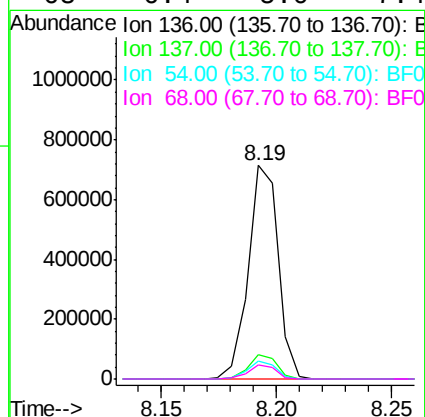
RT: 8.19 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF098800.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		645493		
137	11.5	8.9	13.3		
54	8.2	6.6	9.8		
68	6.4	5.0	7.4		





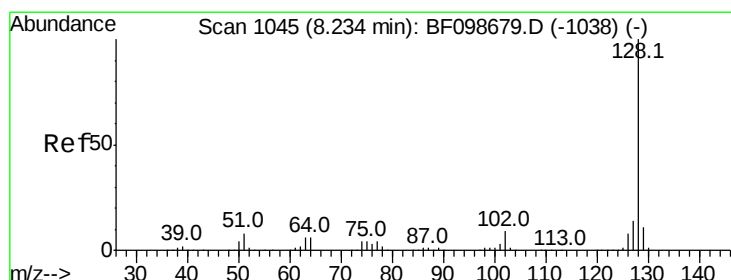
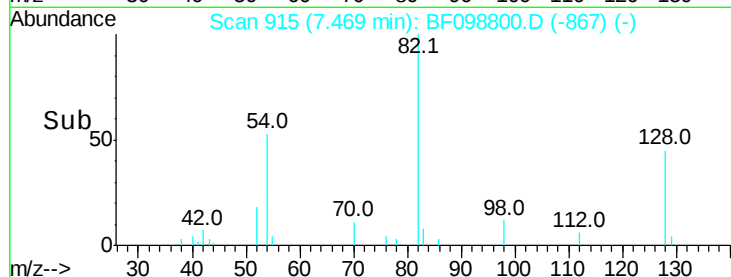
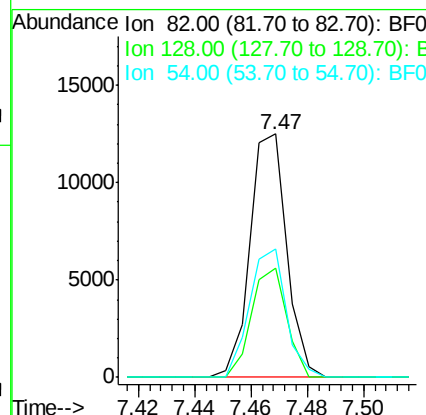
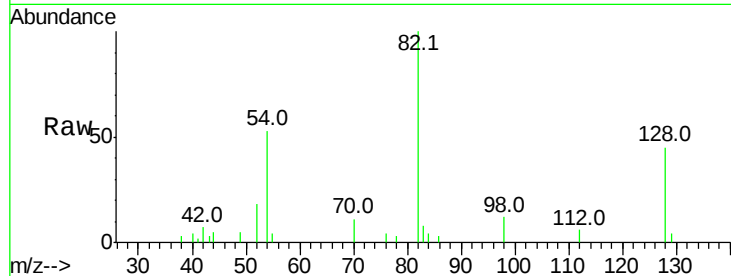
#23
 Nitrobenzene-d5
 Concen: 1.119 ng
 RT: 7.47 min Scan# 915
 Delta R.T. -0.02 min
 Lab File: BF098800.D
 Acq: 25 Sep 2017 23:27

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-092217

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	52.8	41.4	62.2

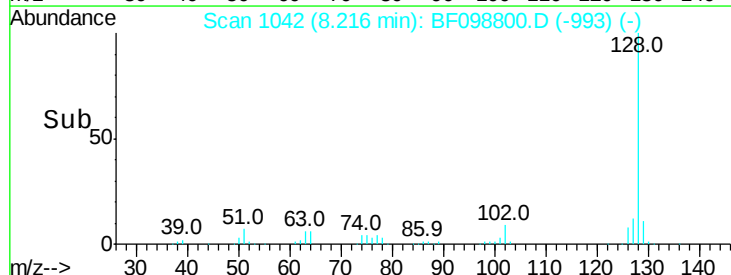
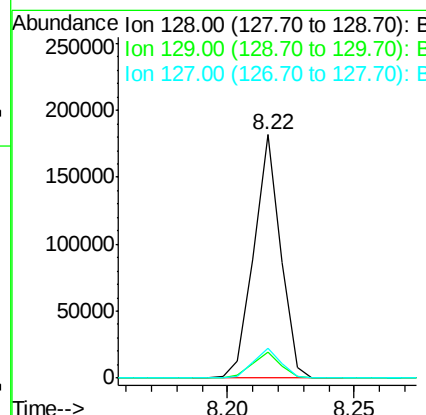
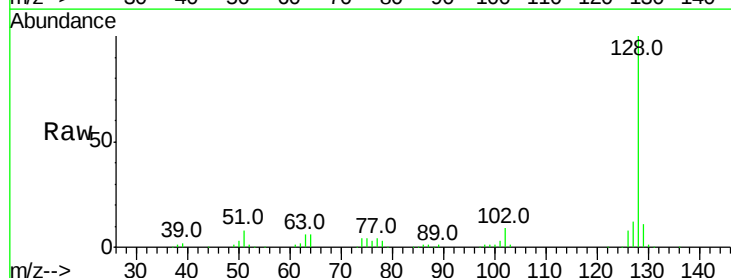
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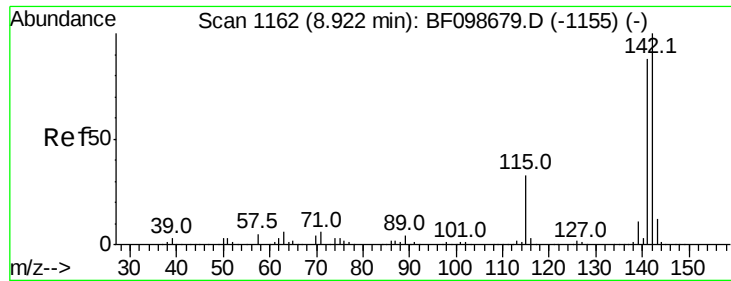
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#31
 Naphthalene
 Concen: 4.414 ng
 RT: 8.22 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF098800.D
 Acq: 25 Sep 2017 23:27

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.5	10.9	16.3





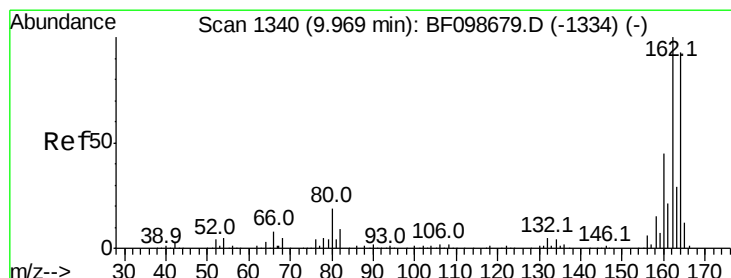
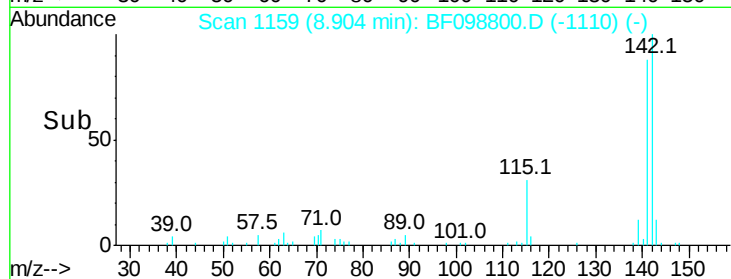
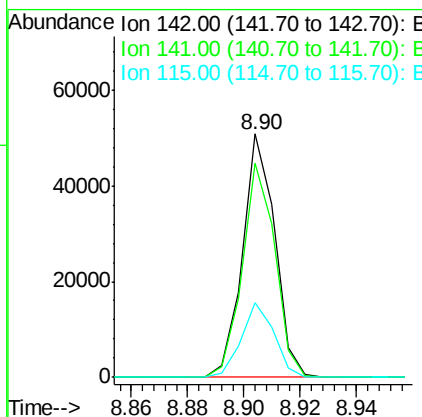
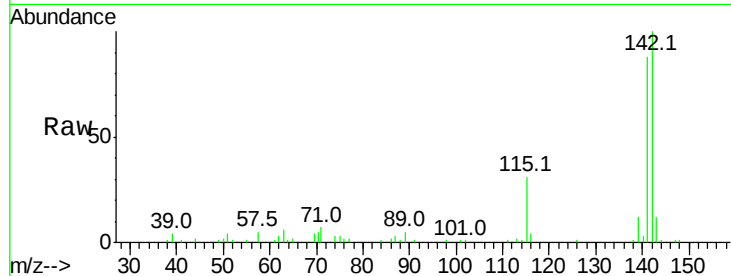
#37
2-Methylnaphthalene
Concen: 2.040 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Instrument :
BNA_F
ClientSampleId :
SU-04-092217

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.8	106.2
115	30.7	26.1	39.1

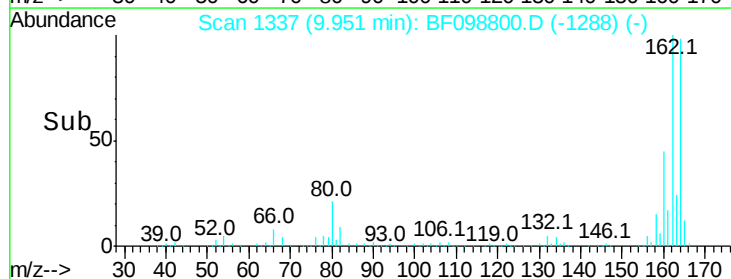
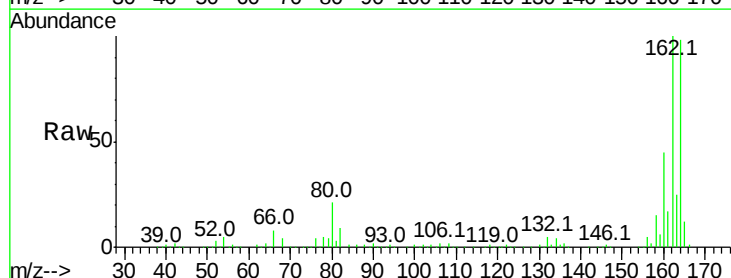
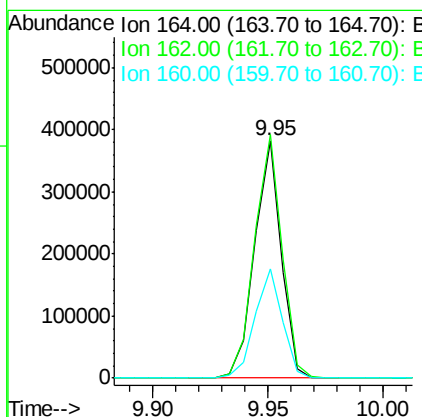
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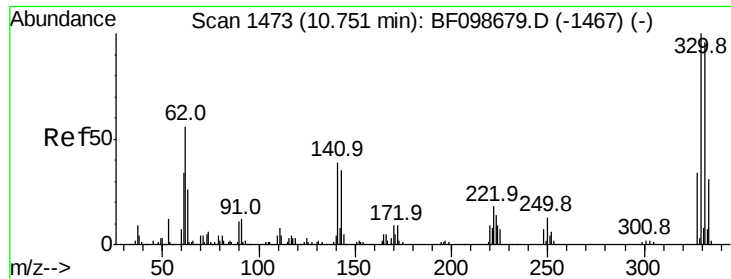
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	86.1	129.1
160	46.3	38.3	57.5





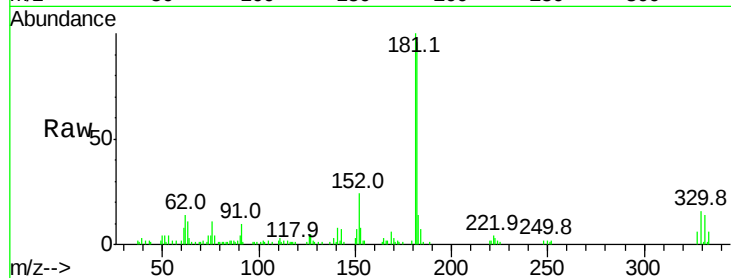
#41
 2,4,6-Tribromophenol
 Concen: 2.188 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.02 min
 Lab File: BF098800.D
 Acq: 25 Sep 2017 23:27

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-092217

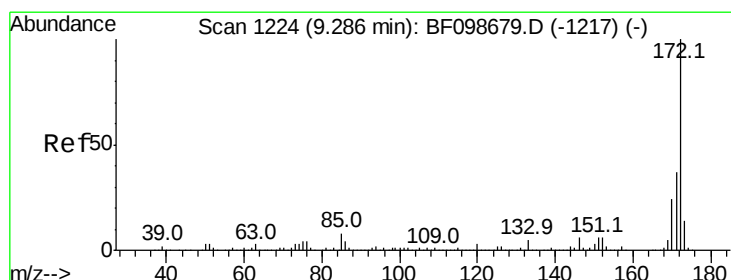
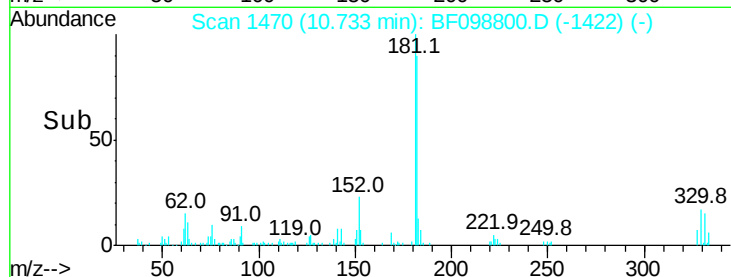
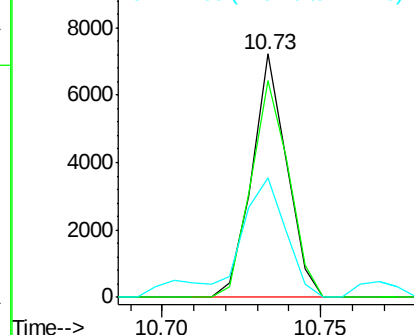
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	69.3	29.9	44.9

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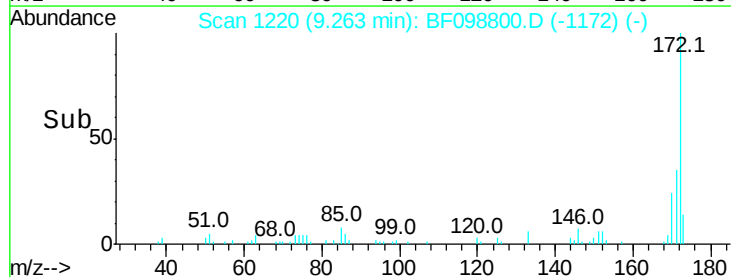
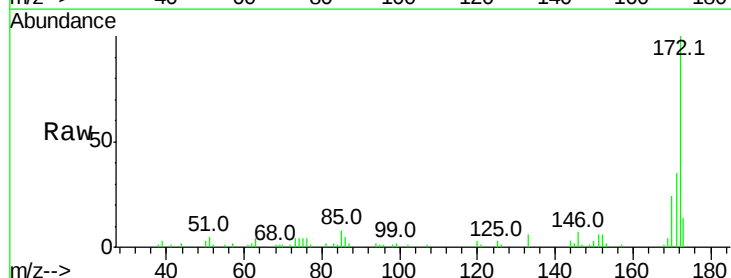
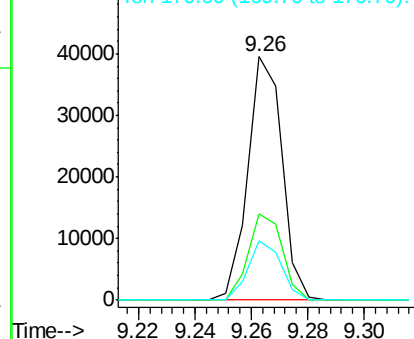
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

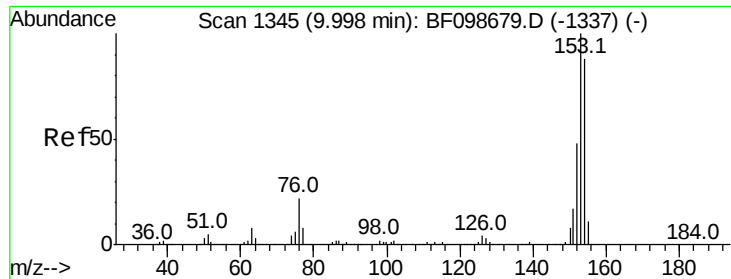


#44
 2-Fluorobiphenyl
 Concen: 1.800 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.02 min
 Lab File: BF098800.D
 Acq: 25 Sep 2017 23:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	24.2	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: 6.236 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.02 min

Lab File: BF098800.D

Acq: 25 Sep 2017 23:27

Instrument :

BNA_F

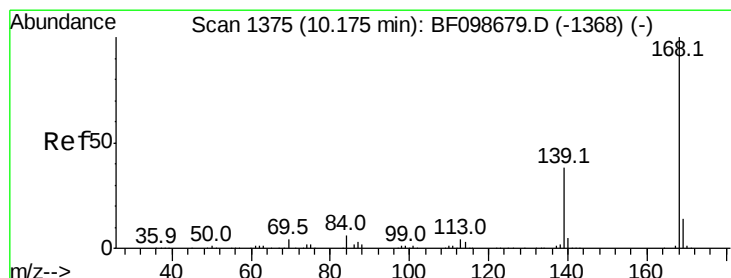
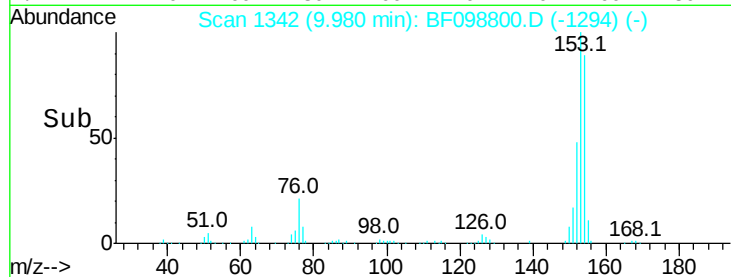
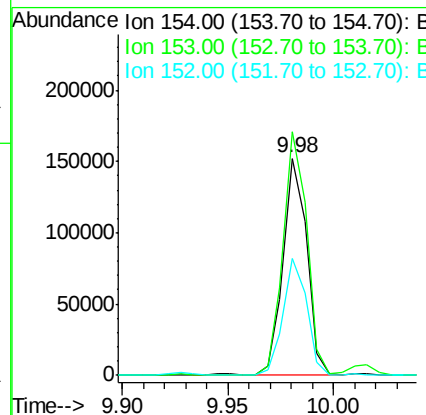
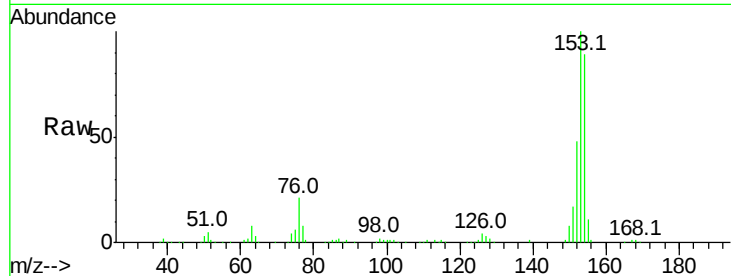
ClientSampleId :

SU-04-092217

Tot Ion:	154	Resp:	120176
Ion Ratio	Lower	Upper	
154	100		
153	112.1	91.2	136.8
152	53.6	43.8	65.8

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#54

Dibenzofuran

Concen: 4.583 ng

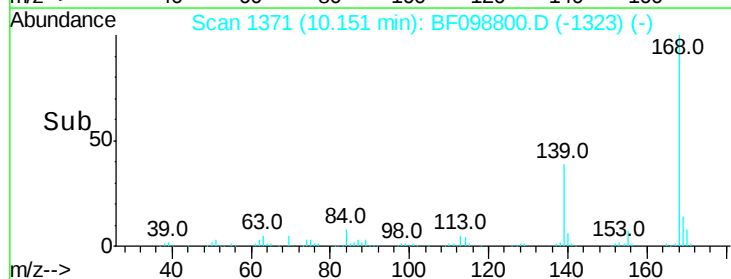
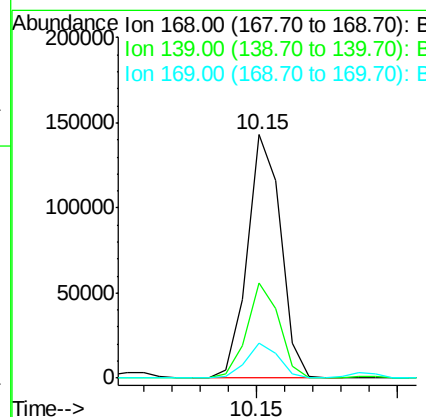
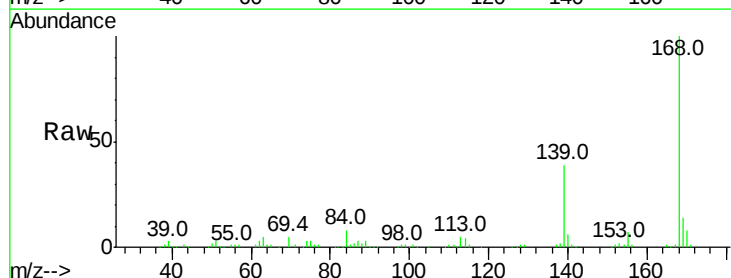
RT: 10.15 min Scan# 1371

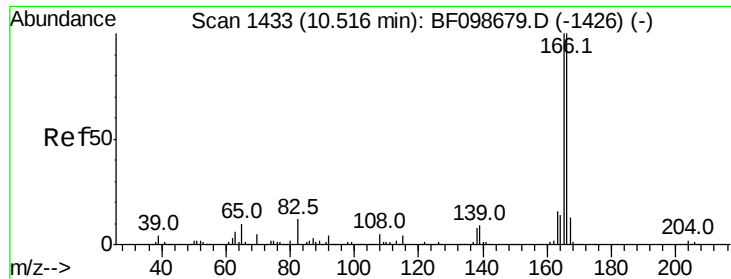
Delta R.T. -0.02 min

Lab File: BF098800.D

Acq: 25 Sep 2017 23:27

Tgt Ion:	168	Resp:	117587
Ion Ratio	Lower	Upper	
168	100		
139	39.0	30.1	45.1
169	14.2	10.9	16.3





#57

Fluorene

Concen: 8.357 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF098800.D

Acq: 25 Sep 2017 23:27

Instrument :

BNA_F

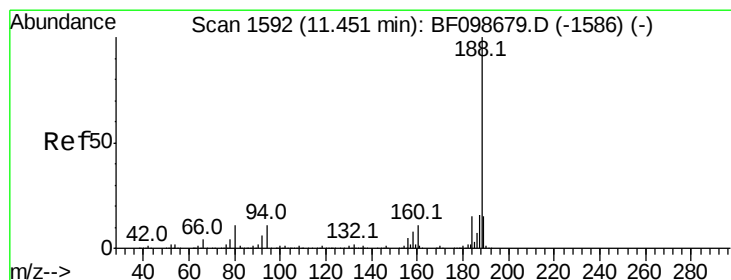
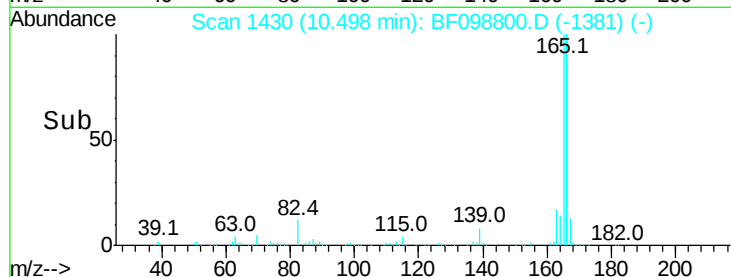
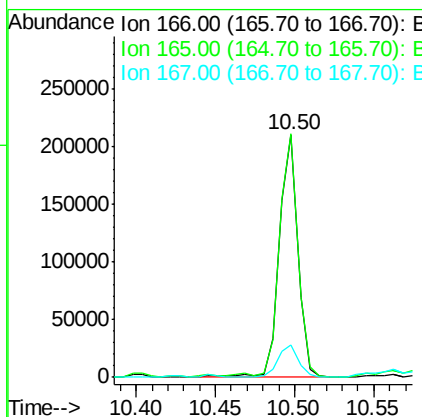
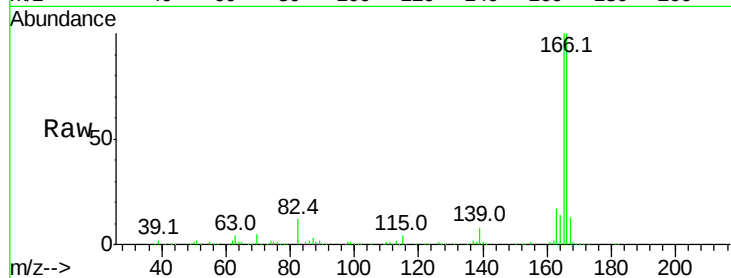
ClientSampleId :

SU-04-092217

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.4	79.8	119.8	
167	13.3	10.6	16.0	

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

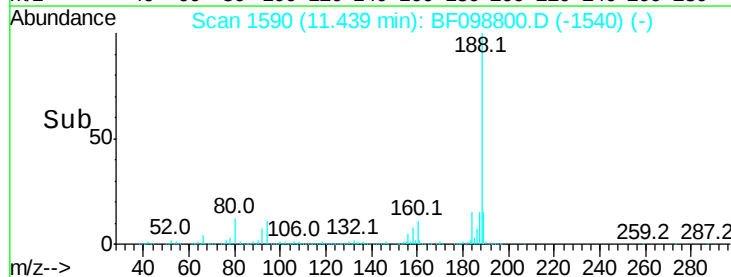
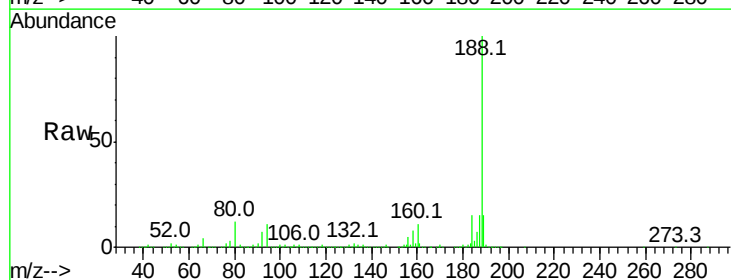
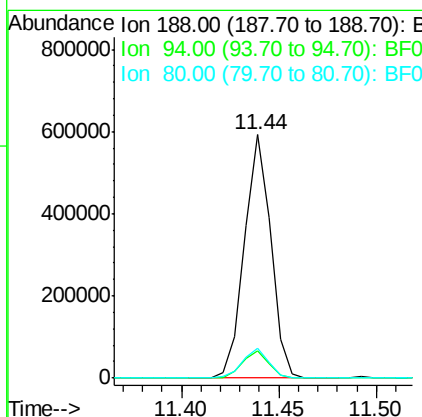
RT: 11.44 min Scan# 1590

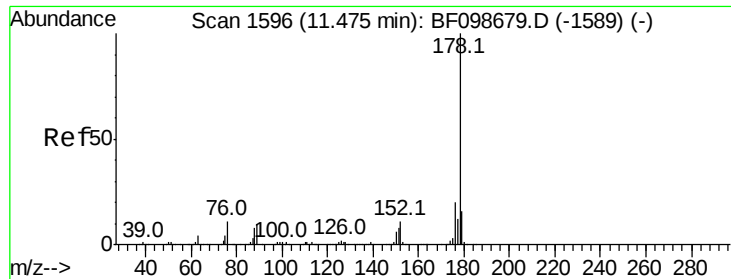
Delta R.T. -0.01 min

Lab File: BF098800.D

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Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.2	8.5	12.7	
80	12.5	9.2	13.8	





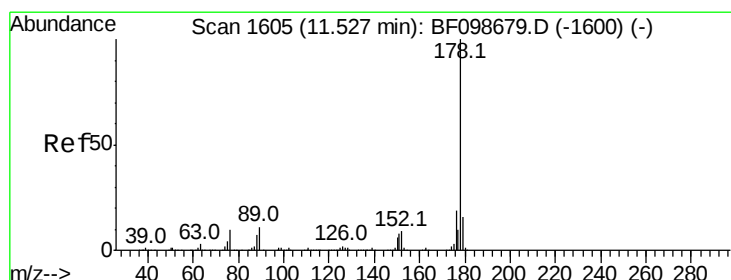
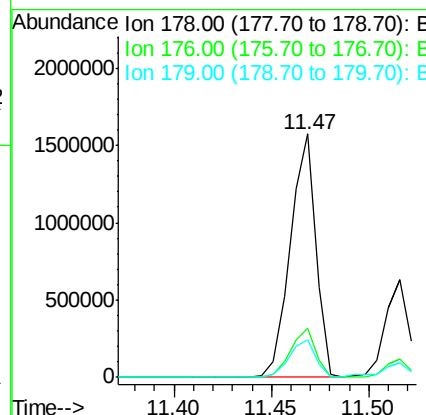
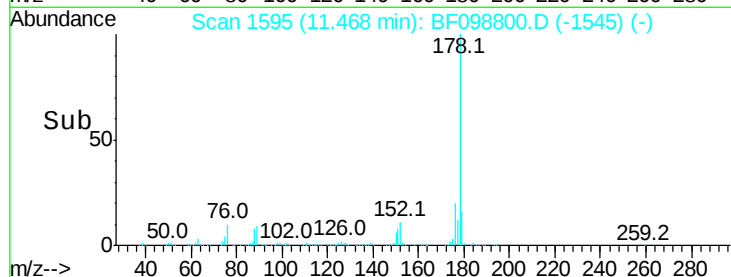
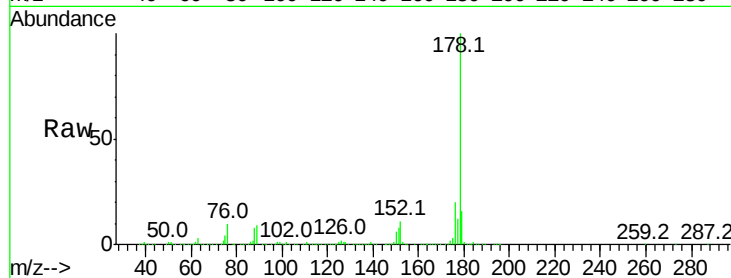
#70
Phenanthrene
Concen: 48.071 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Instrument :
BNA_F
ClientSampleId :
SU-04-092217

Tot Ion:178 Resp: 1429588
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.8
179 15.7 13.0 19.6

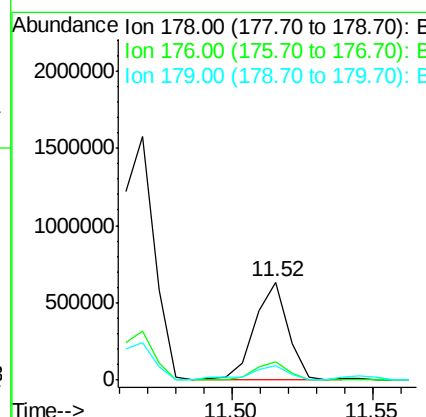
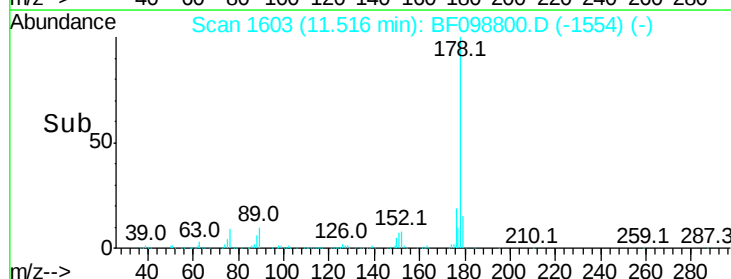
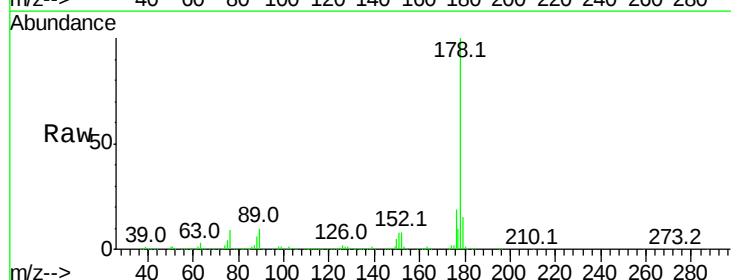
Manual Integrations
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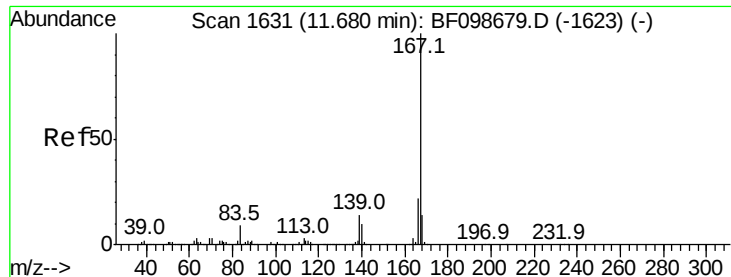
Sohil
9/26/2017 4:58:42 PM



#71
Anthracene
Concen: 16.634 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Tgt Ion:178 Resp: 506160
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.4 12.6 19.0





#72

Carbazole

Concen: 4.212 ng

RT: 11.66 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BF098800.D

Acq: 25 Sep 2017 23:27

Instrument :

BNA_F

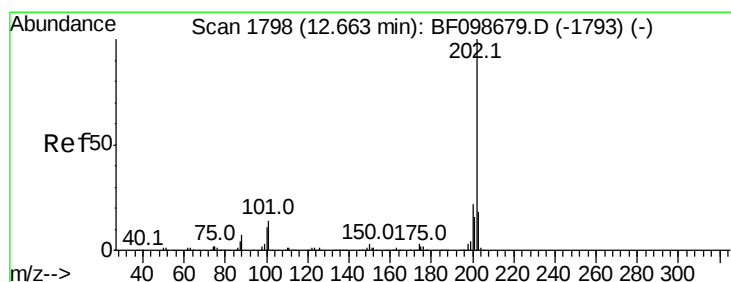
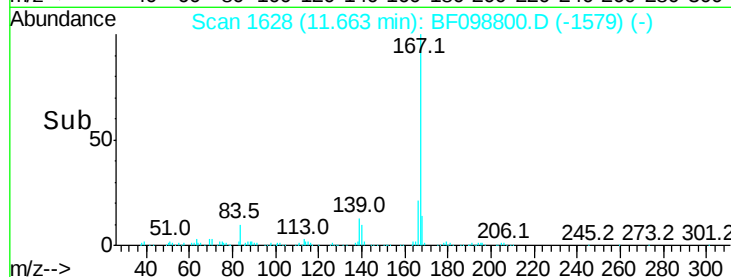
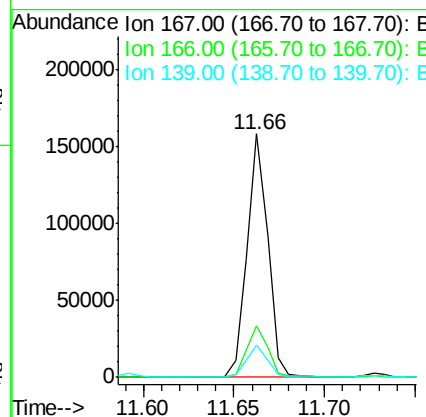
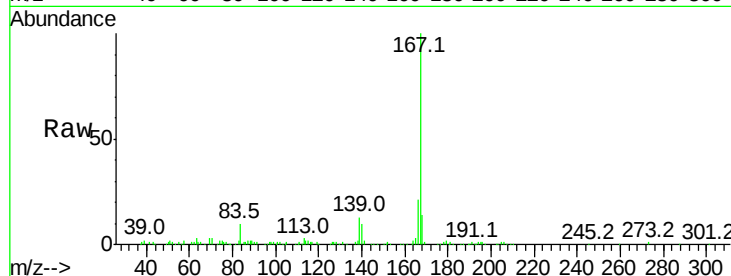
ClientSampleId :

SU-04-092217

Tot Ion:	167	Resp:	125500
Ion Ratio		Lower	Upper
167	100		
166	21.2	17.6	26.4
139	13.1	10.9	16.3

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#74

Fluoranthene

Concen: 65.382 ng

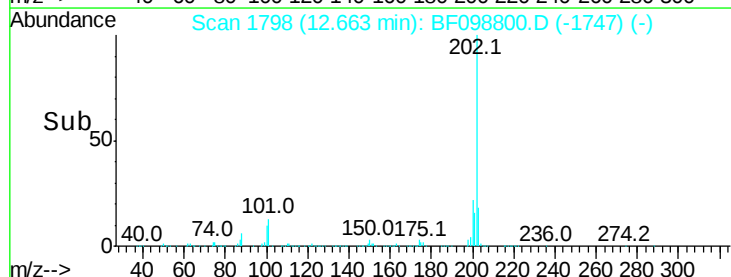
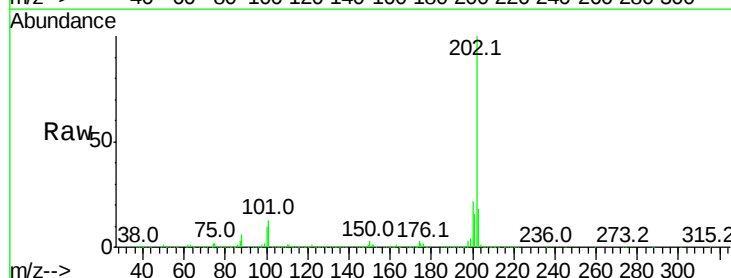
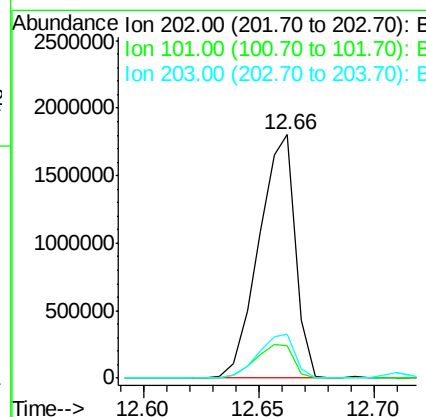
RT: 12.66 min Scan# 1798

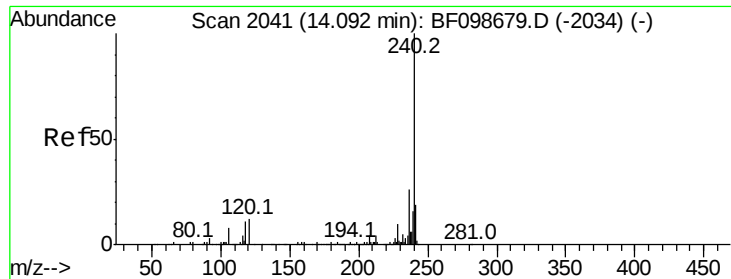
Delta R.T. -0.00 min

Lab File: BF098800.D

Acq: 25 Sep 2017 23:27

Tgt Ion:	202	Resp:	1968900
Ion Ratio		Lower	Upper
202	100		
101	13.4	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098800.D

Acq: 25 Sep 2017 23:27

Instrument :

BNA_F

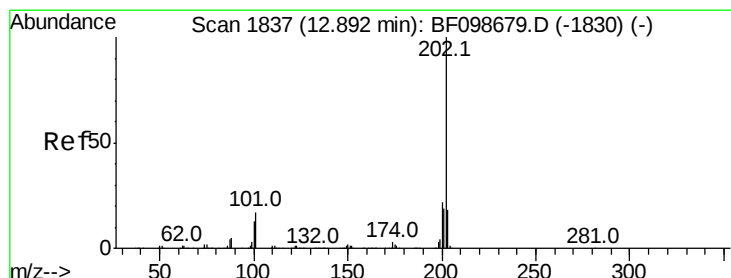
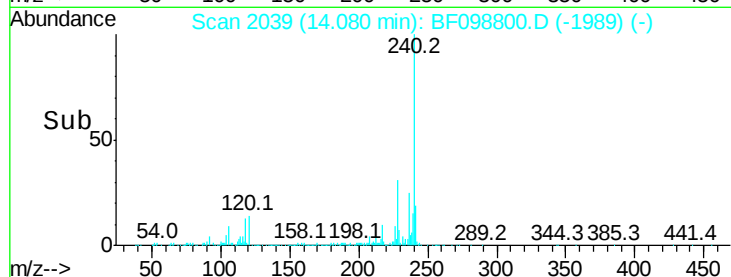
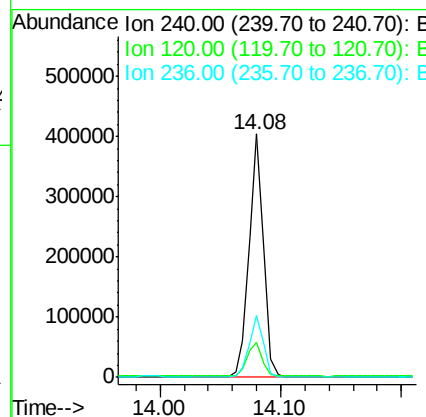
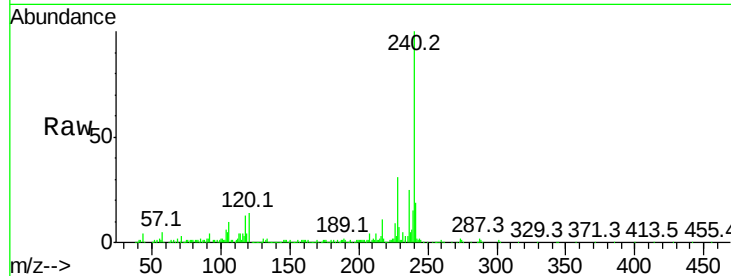
ClientSampled :

SU-04-092217

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	25.3	20.7	31.1

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#77

Pyrene

Concen: 64.769 ng

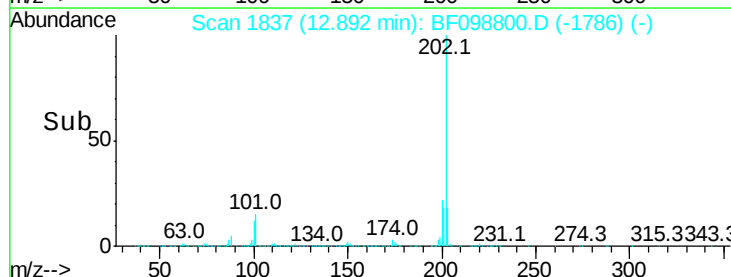
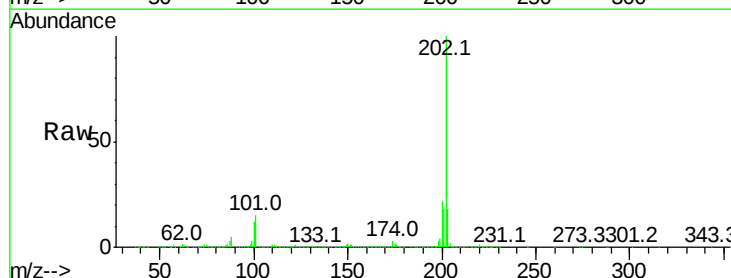
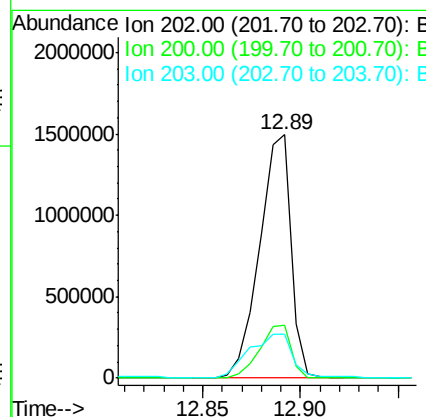
RT: 12.89 min Scan# 1837

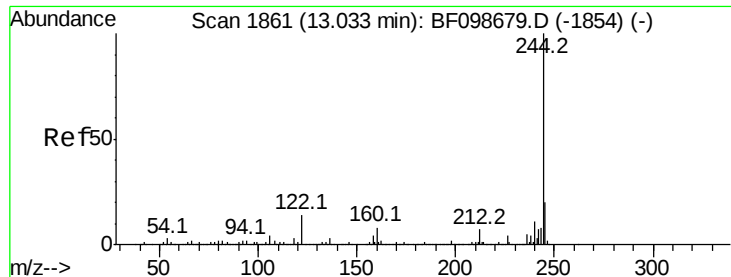
Delta R.T. -0.00 min

Lab File: BF098800.D

Acq: 25 Sep 2017 23:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.2	14.3	21.5





#78

Terphenyl-d14

Concen: 2.458 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098800.D

Acq: 25 Sep 2017 23:27

Instrument :

BNA_F

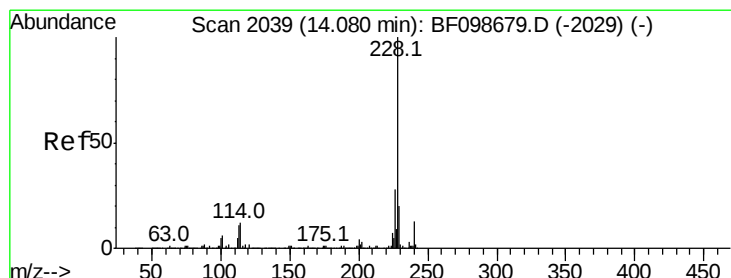
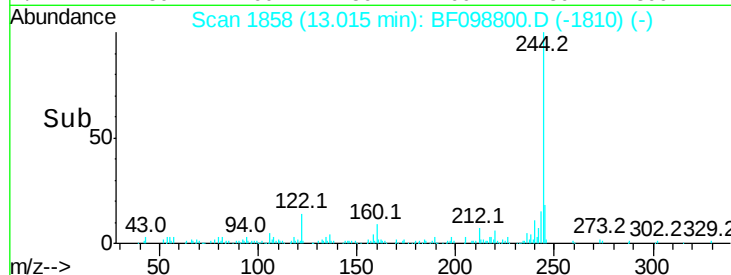
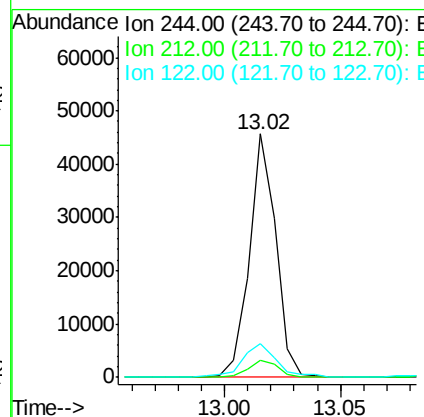
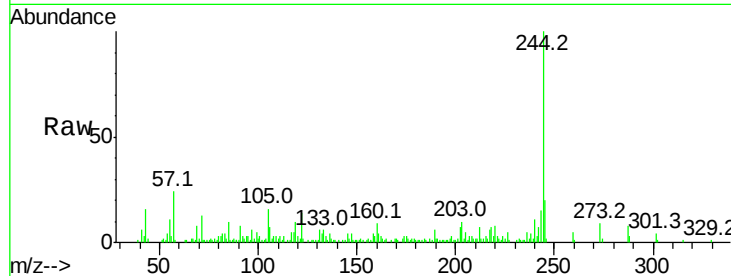
ClientSampleId :

SU-04-092217

Tot Ion:	244	Resp:	36609
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	13.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 33.844 ng

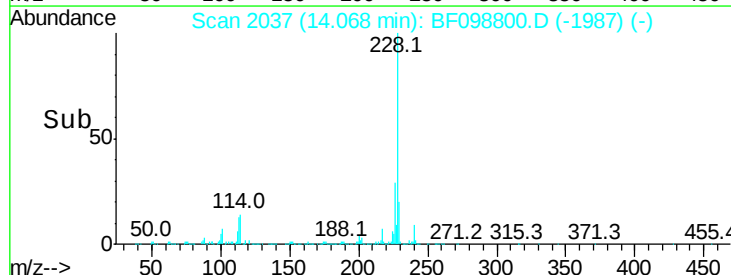
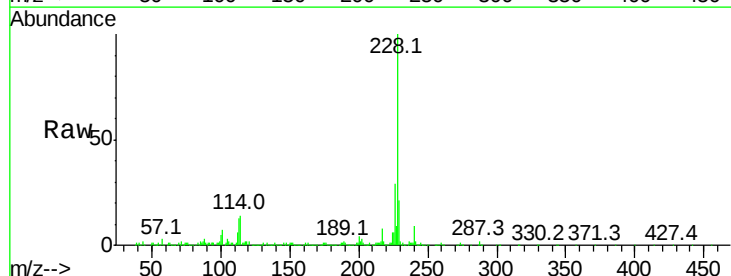
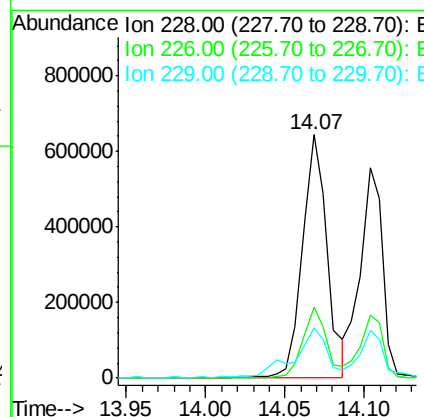
RT: 14.07 min Scan# 2037

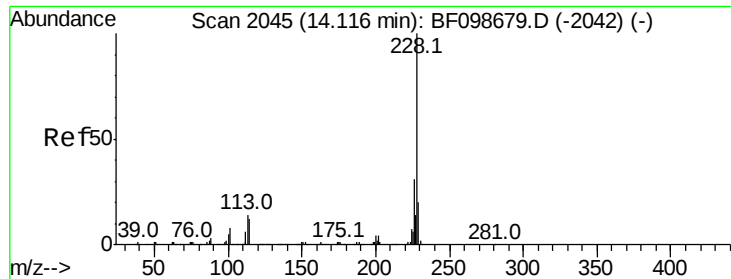
Delta R.T. -0.01 min

Lab File: BF098800.D

Acq: 25 Sep 2017 23:27

Tgt Ion:	228	Resp:	694010
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.6	33.8
229	20.6	15.8	23.6





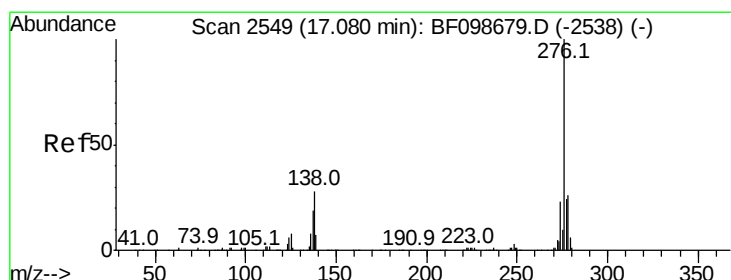
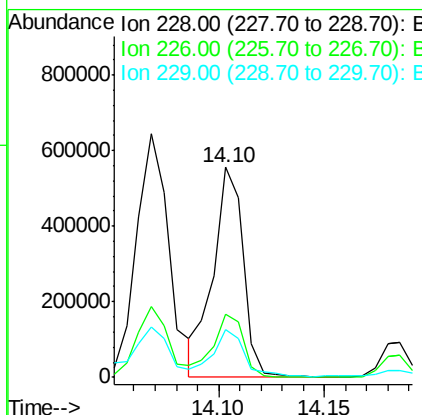
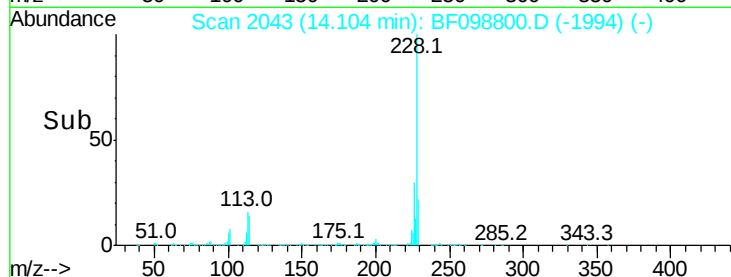
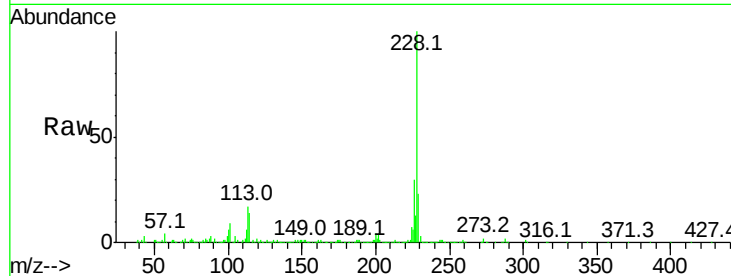
#82
Chrysene
Concen: 28.211 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Instrument :
BNA_F
ClientSampleId :
SU-04-092217

Tot Ion	Ratio	Resp	Lower	Upper
228	100	550768		
226	30.1	25.0	37.6	
229	22.5	16.2	24.4	

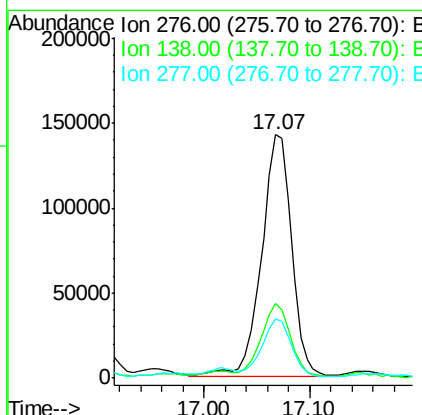
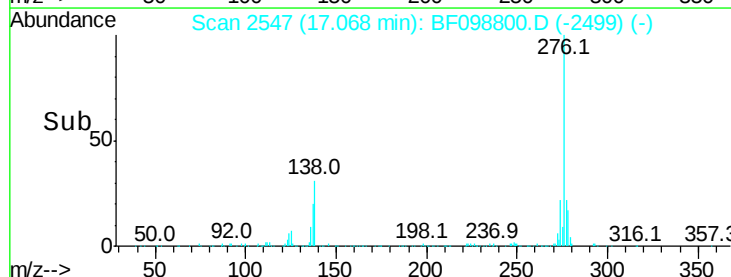
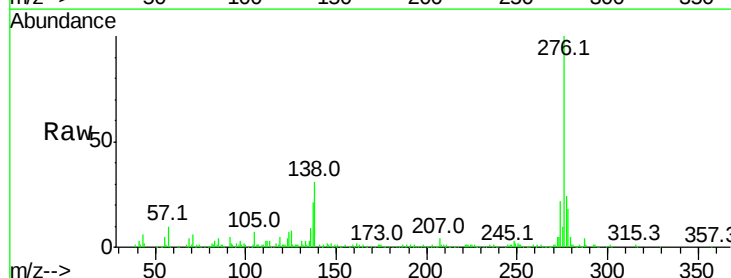
Manual Integrations
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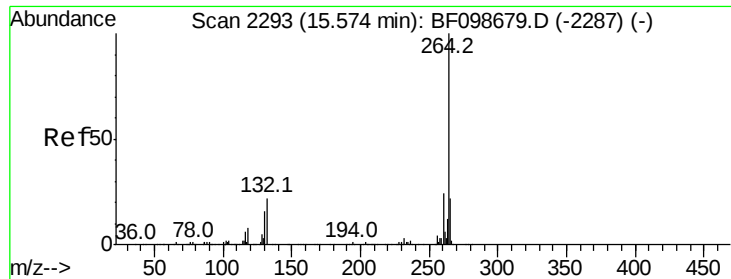
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#85
Indeno(1,2,3-cd)pyrene
Concen: 18.077 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.02 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	282306		
138	29.0	25.0	37.6	
277	23.1	20.1	30.1	





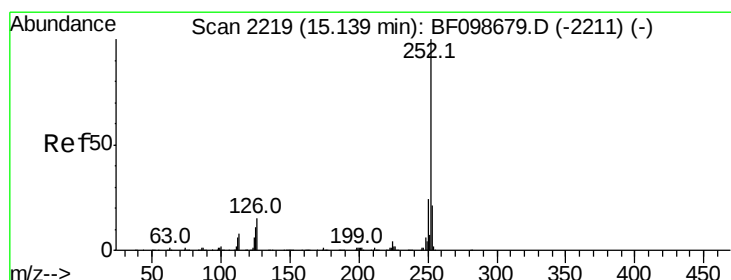
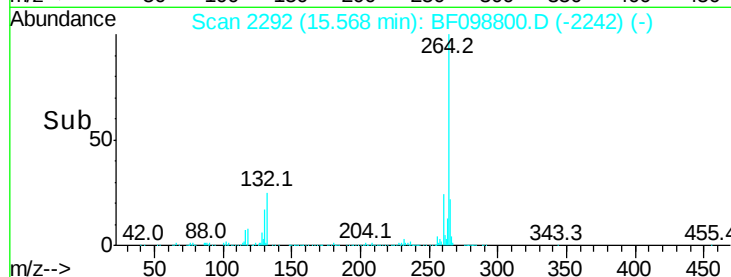
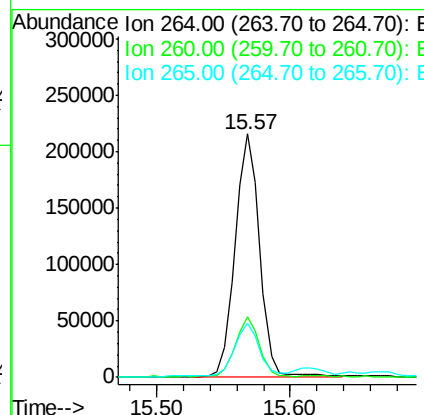
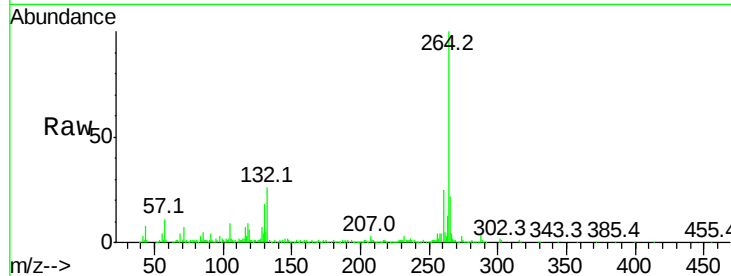
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Instrument :
BNA_F
ClientSampleId :
SU-04-092217

Tot Ion:	264	Resp:	276466
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.2	28.8
265	22.0	17.5	26.3

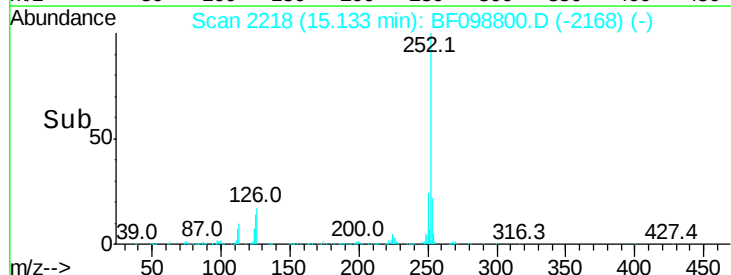
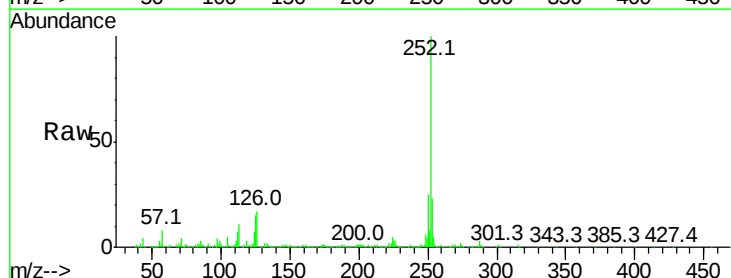
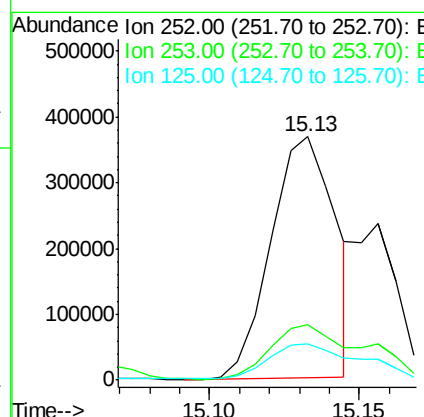
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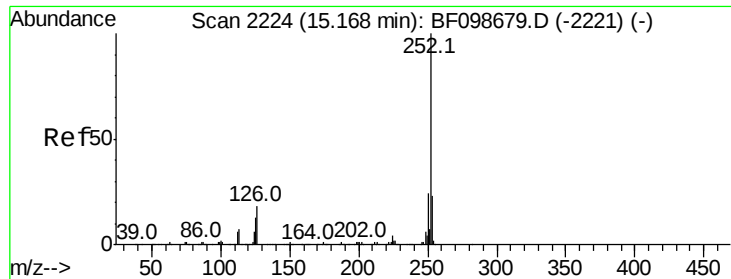
Sohil
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#87
Benzo(b)fluoranthene
Concen: 32.523 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Tgt Ion:	252	Resp:	552842
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	14.9	9.0	13.6#





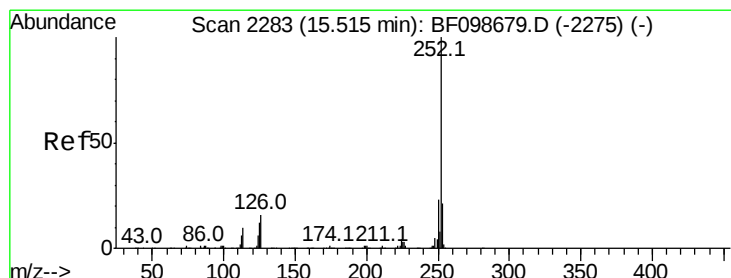
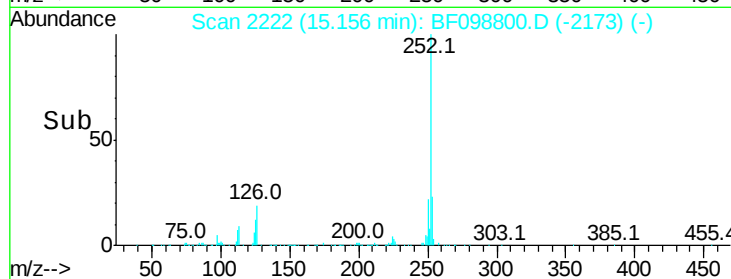
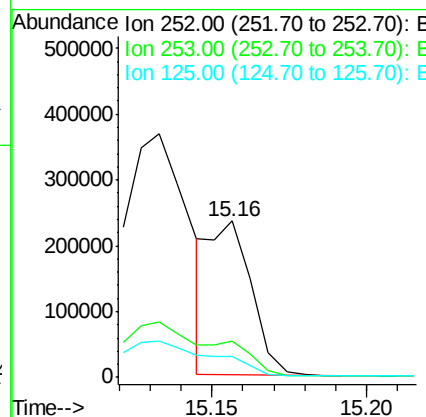
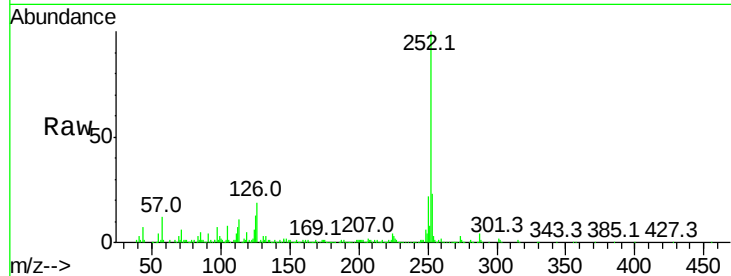
#88
Benzo(k)fluoranthene
Concen: 13.071 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Instrument :
BNA_F
ClientSampleId :
SU-04-092217

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.0	10.2	15.2

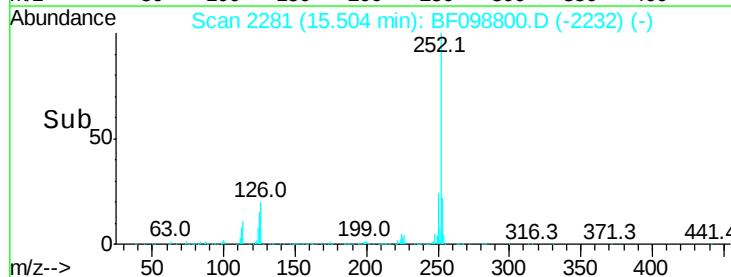
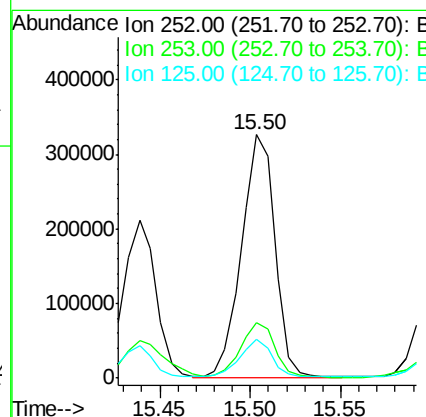
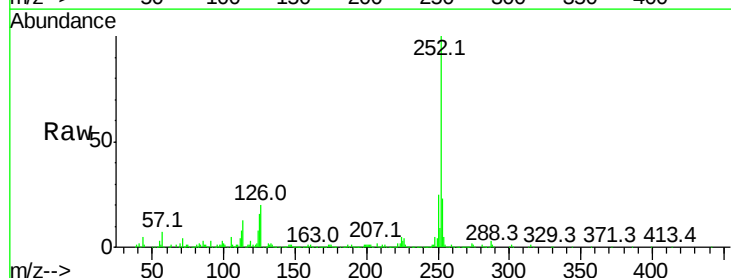
Manual Integrations
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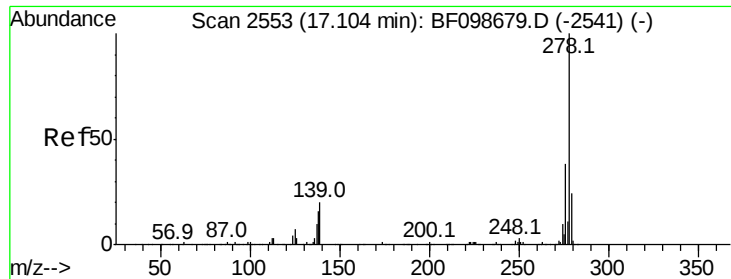
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#89
Benzo(a)pyrene
Concen: 26.713 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	15.8	9.8	14.6





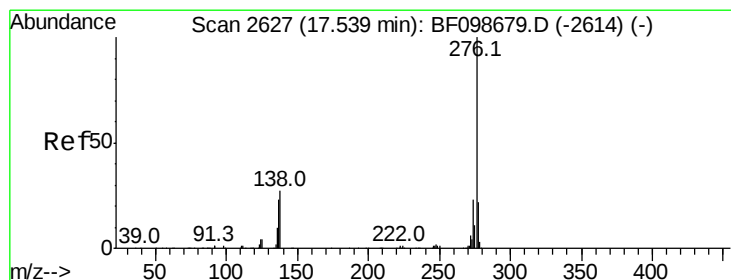
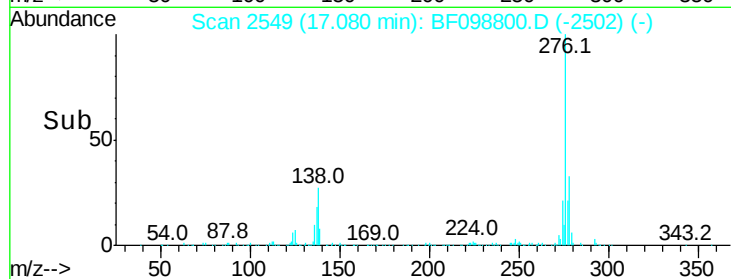
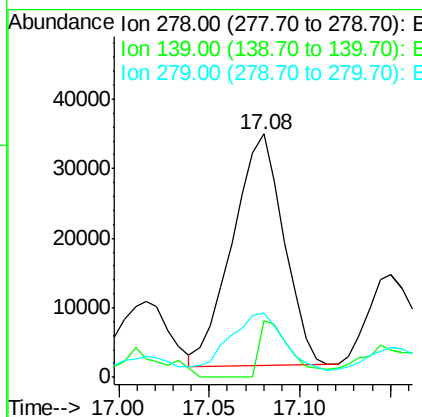
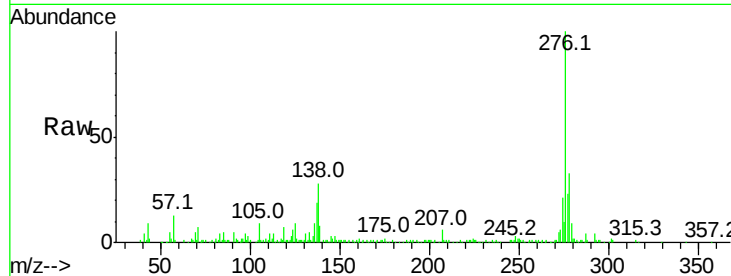
#90
Dibenzo(a,h)anthracene
Concen: 5.241 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.02 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Instrument :
BNA_F
ClientSampleId :
SU-04-092217

Tot Ion:	278	Resp:	65450
Ion Ratio	Lower	Upper	
278	100		
139	23.1	15.9	23.9
279	26.2	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 21.278 ng
RT: 17.53 min Scan# 2625
Delta R.T. -0.02 min
Lab File: BF098800.D
Acq: 25 Sep 2017 23:27

Tgt Ion:	276	Resp:	262635
Ion Ratio	Lower	Upper	
276	100		
277	22.4	17.9	26.9
138	30.2	21.8	32.8

