

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098755.D
 Acq On : 23 Sep 2017 22:52
 Operator : SJ/JU
 Sample : I5360-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C-COMP

Manual Integrations
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 9/25/2017 6:26:36 PM

Quant Time: Sep 25 07:48:59 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	6.92	152	134823	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	515380	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	195571	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	296000	20.00	ng	0.00
75) Chrysene-d12	14.09	240	249817	20.00	ng	0.00
86) Perylene-d12	15.59	264	198045	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	258144	30.48	ng	-0.01
7) Phenol-d6	6.53	99	305808	29.27	ng	-0.01
23) Nitrobenzene-d5	7.47	82	178453	22.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	40300	25.18	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	327111	27.92	ng	0.00
78) Terphenyl-d14	13.03	244	233483	21.26	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.22	128	153844	6.356	ng	98
37) 2-Methylnaphthalene	8.92	142	51219	3.255	ng	99
48) Acenaphthylene	9.82	152	51321	2.657	ng	98
49) Dimethylphthalate	9.67	163	32672	2.213	ng	# 99
51) Acenaphthene	9.99	154	64246	5.250	ng	100
54) Dibenzofuran	10.16	168	64069	3.932	ng	99
57) Fluorene	10.50	166	101673	7.763	ng	99
70) Phenanthrene	11.47	178	777398	49.066	ng	98
71) Anthracene	11.52	178	215905	13.318	ng	98
72) Carbazole	11.67	167	69733	4.393	ng	99
74) Fluoranthene	12.66	202	968320	60.354	ng	99
77) Pyrene	12.89	202	864776	45.396	ng	99
80) Benzo(a)anthracene	14.07	228	400034	26.445	ng	97
82) Chrysene	14.12	228	380865	26.446	ng	98
85) Indeno(1,2,3-cd)pyrene	17.10	276	127941	11.106	ng	95
87) Benzo(b)fluoranthene	15.14	252	415557m	34.127	ng	
88) Benzo(k)fluoranthene	15.17	252	107546m	8.942	ng	
89) Benzo(a)pyrene	15.52	252	254011	22.726	ng	# 95
90) Dibenzo(a,h)anthracene	17.10	278	32649	3.650	ng	# 76
91) Benzo(a,h,i)perylene	17.56	276	117521	13.291	ng	96

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

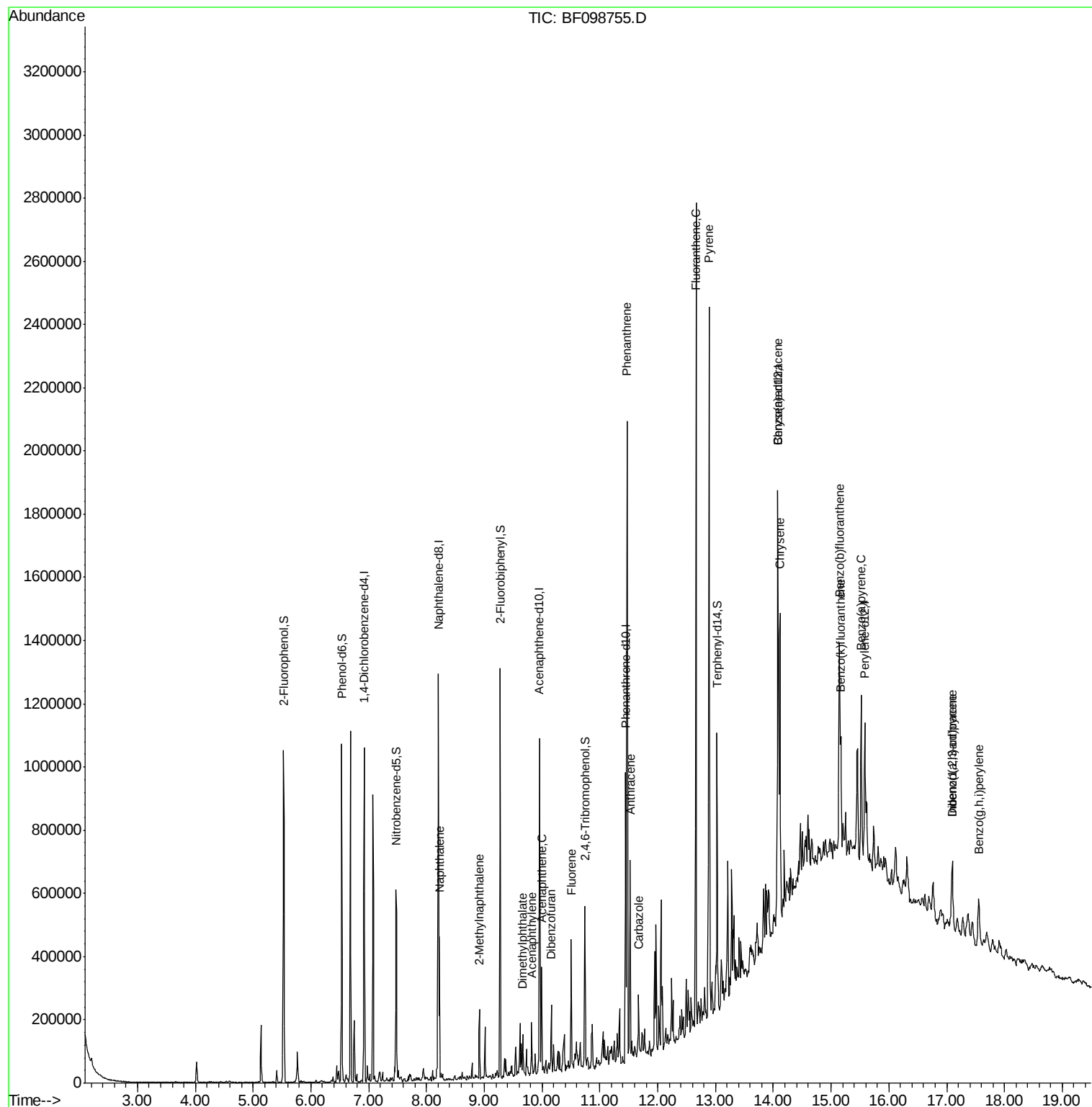
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
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#1

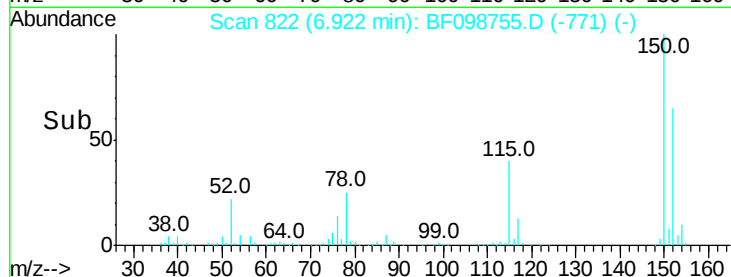
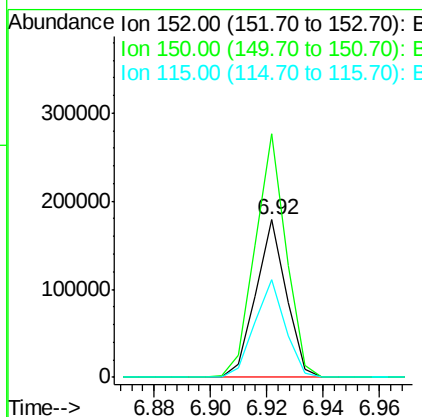
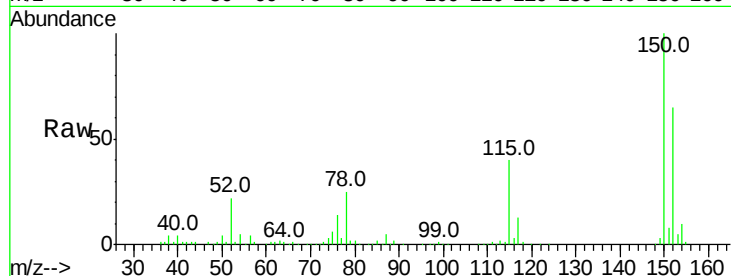
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	61.7	50.1	75.1

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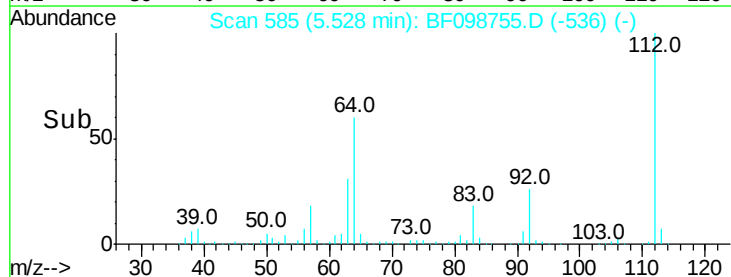
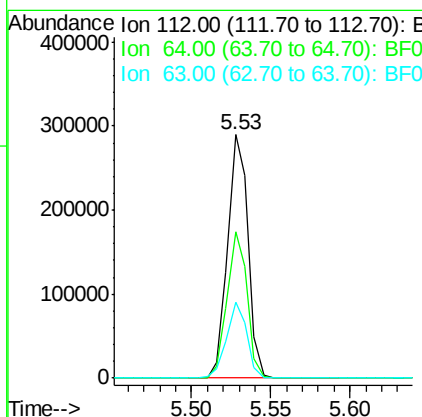
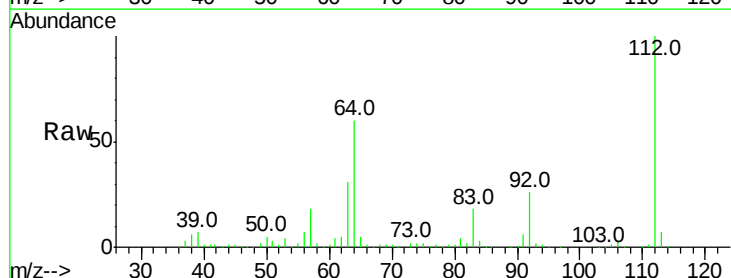
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#5

2-Fluorophenol
Concen: 30.480 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.9	71.9
63	31.1	23.7	35.5





#7

Phenol-d6

Concen: 29.270 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Instrument :

BNA_F

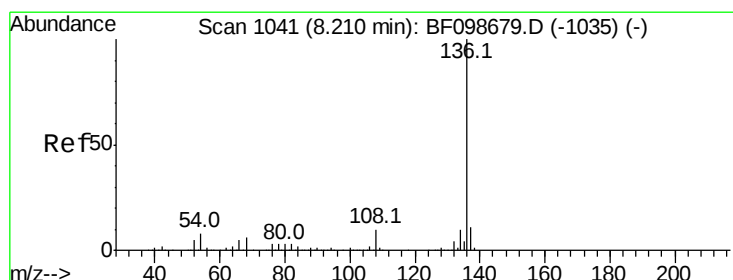
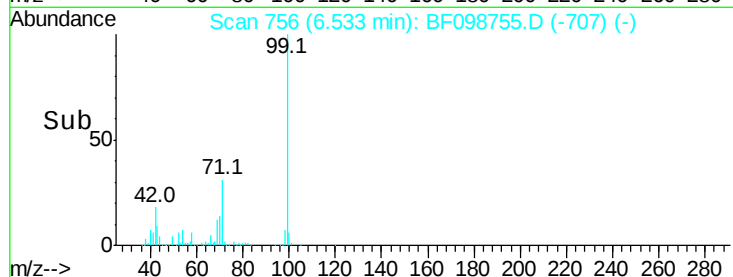
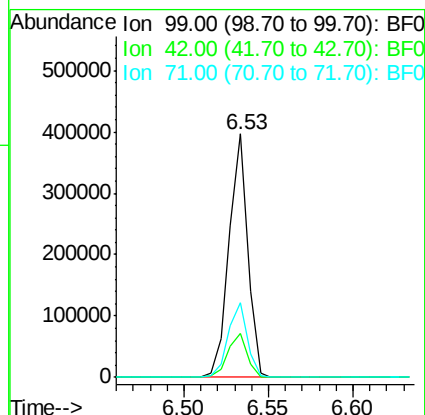
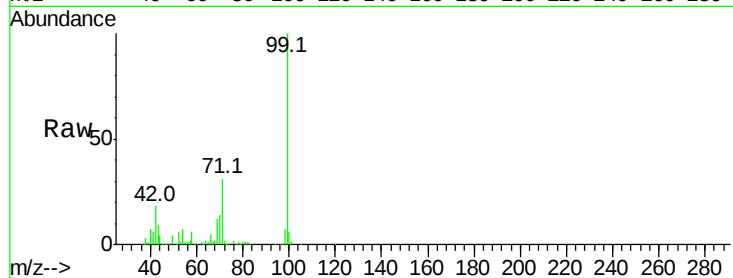
ClientSampled :

SP-1-C-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		305808		
42	17.9	14.5	21.7		
71	30.8	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

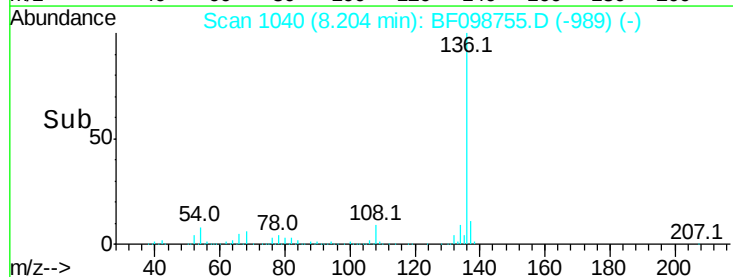
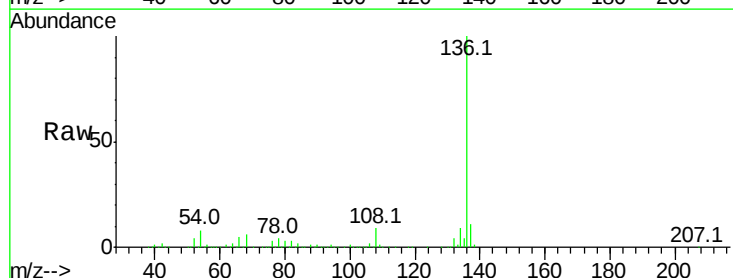
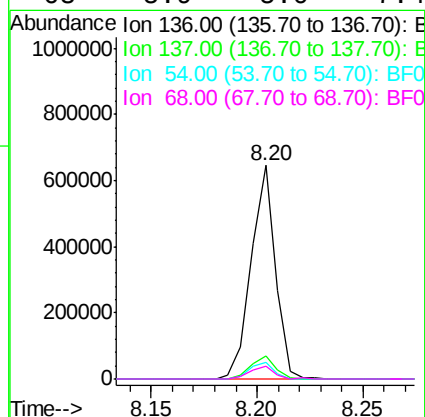
RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		515380		
137	10.9	8.9	13.3		
54	7.9	6.6	9.8		
68	5.9	5.0	7.4		





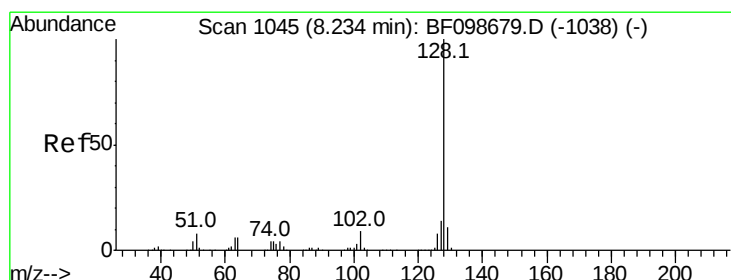
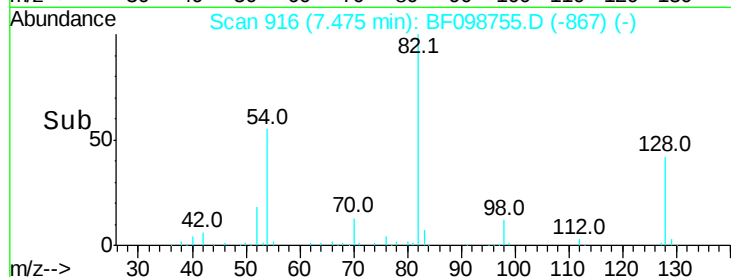
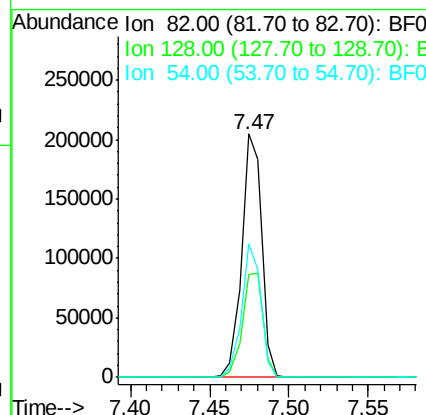
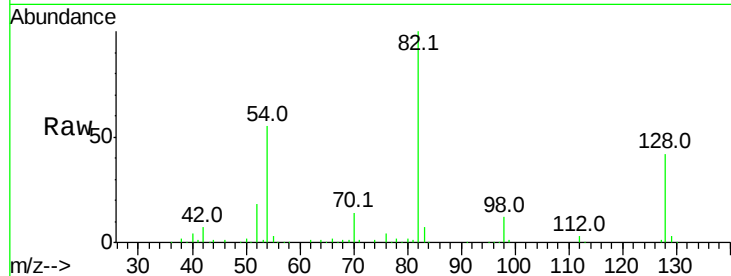
#23
 Nitrobenzene-d5
 Concen: 22.205 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BF098755.D
 Acq: 23 Sep 2017 22:52

Instrument :
 BNA_F
 ClientSampled :
 SP-1-C-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100	178453		
128	42.4	36.1	54.1	
54	54.7	41.4	62.2	

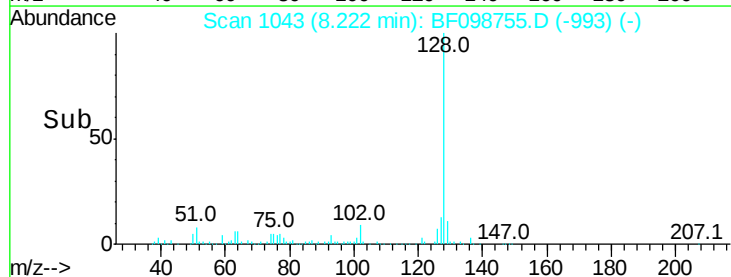
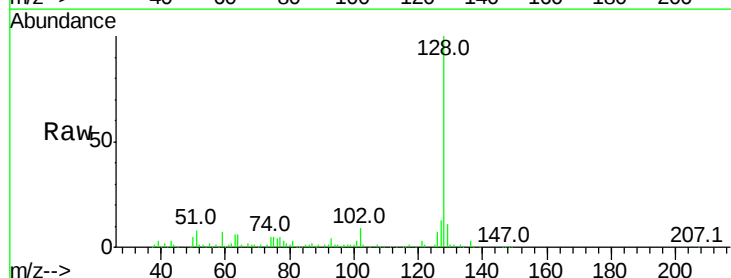
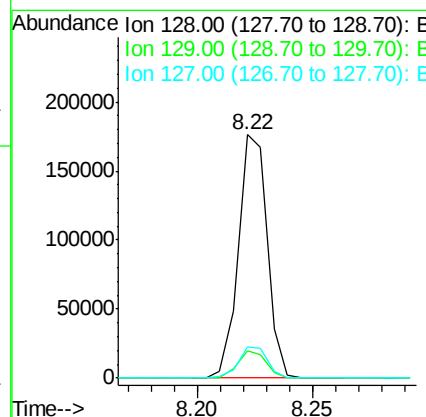
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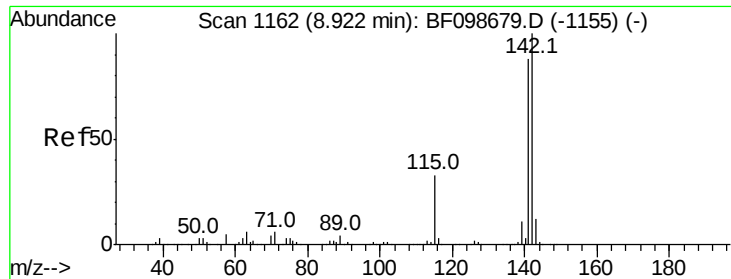
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#31
 Naphthalene
 Concen: 6.356 ng
 RT: 8.22 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF098755.D
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Tgt Ion	Ratio	Resp	Lower	Upper
128	100	153844		
129	11.2	8.8	13.2	
127	12.6	10.9	16.3	





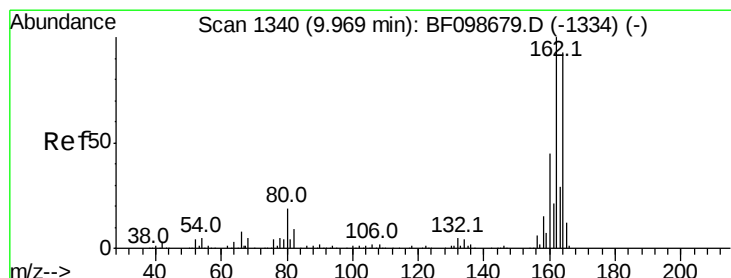
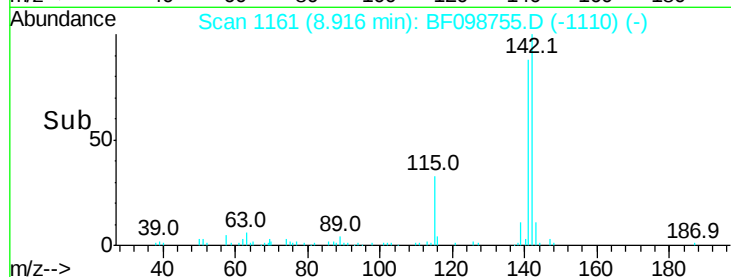
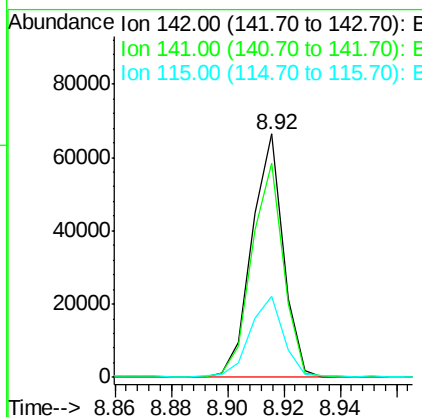
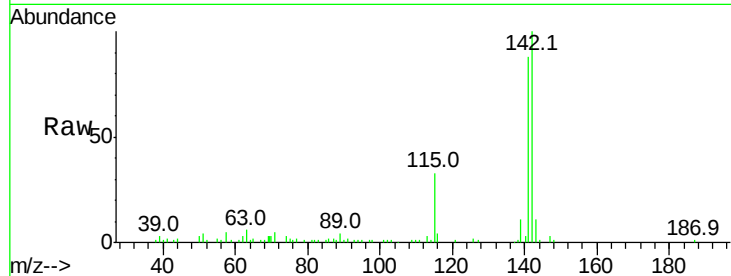
#37
2-Methylnaphthalene
Concen: 3.255 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.8	106.2
115	33.4	26.1	39.1

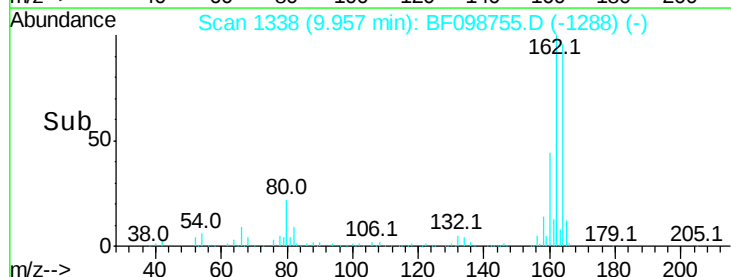
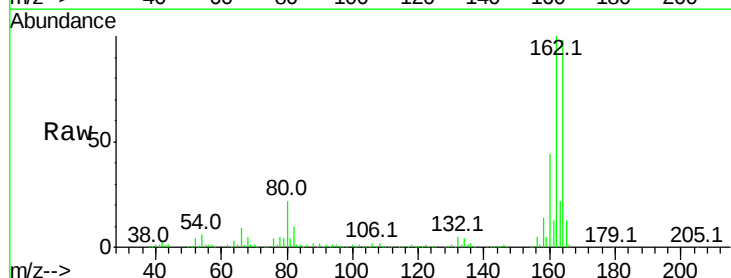
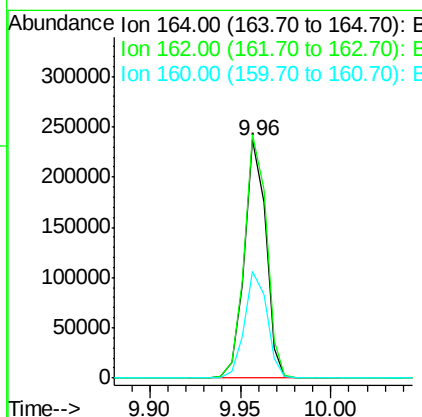
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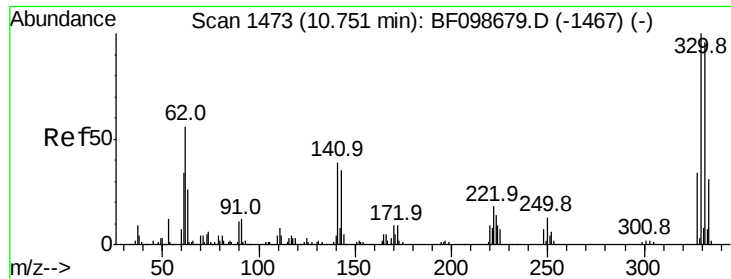
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	44.6	38.3	57.5





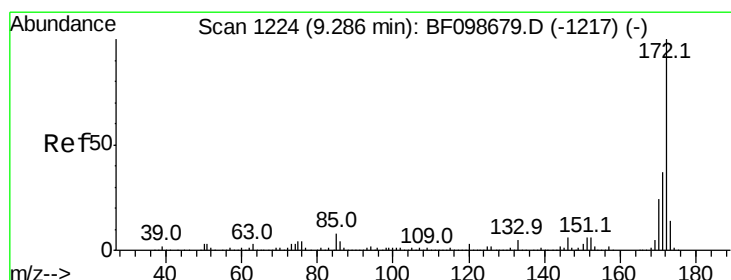
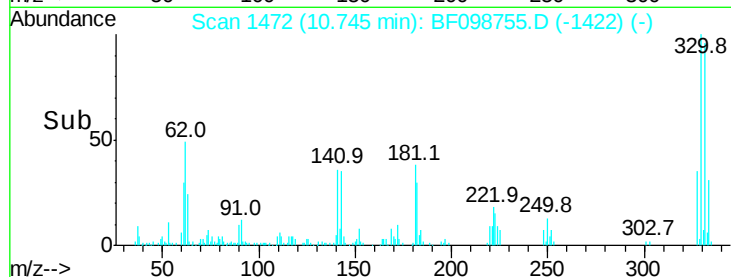
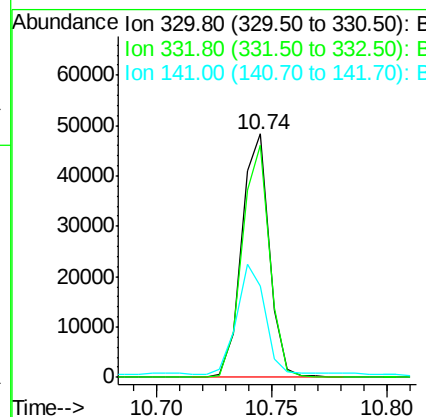
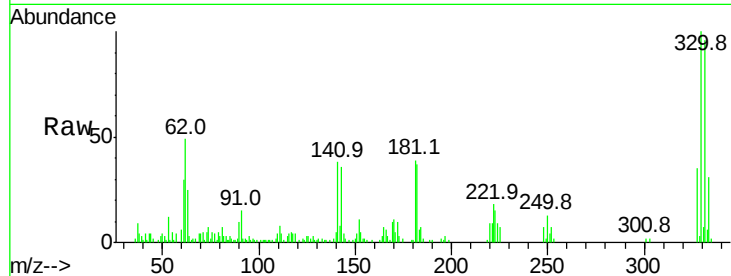
#41
 2,4,6-Tribromophenol
 Concen: 25.183 ng
 RT: 10.74 min Scan# 1472
 Delta R.T. -0.01 min
 Lab File: BF098755.D
 Acq: 23 Sep 2017 22:52

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.7	77.0	115.6	
141	46.1	29.9	44.9	

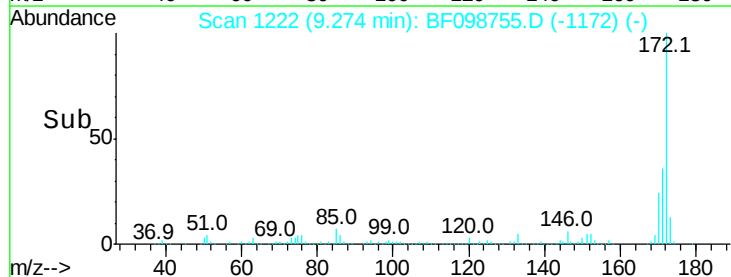
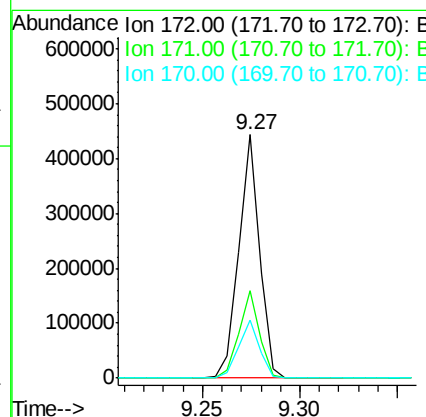
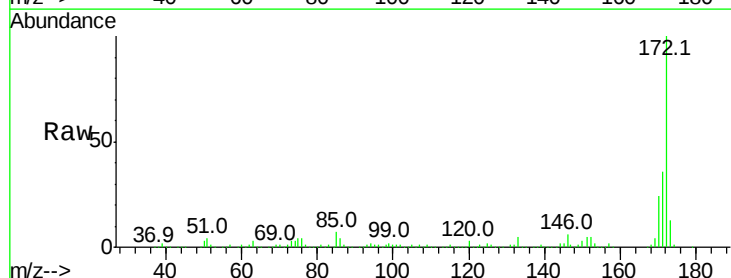
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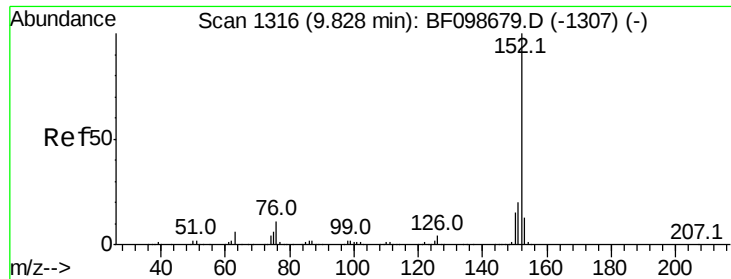
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#44
 2-Fluorobiphenyl
 Concen: 27.923 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098755.D
 Acq: 23 Sep 2017 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.7	44.5	
170	23.8	19.6	29.4	





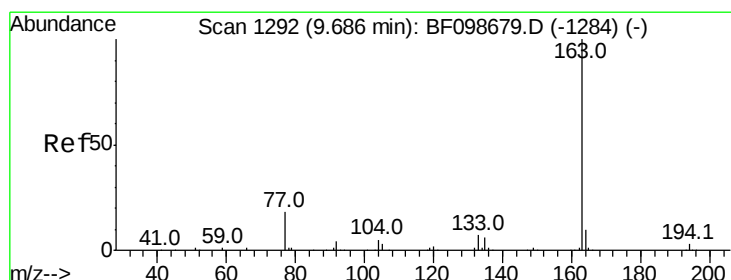
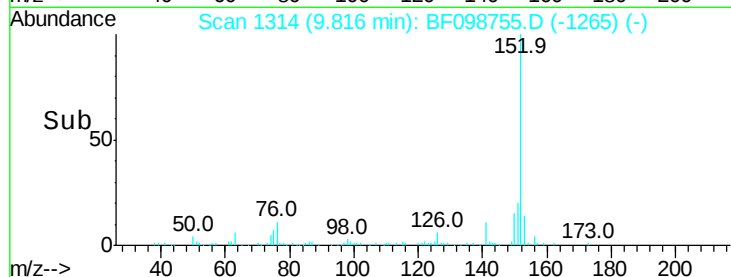
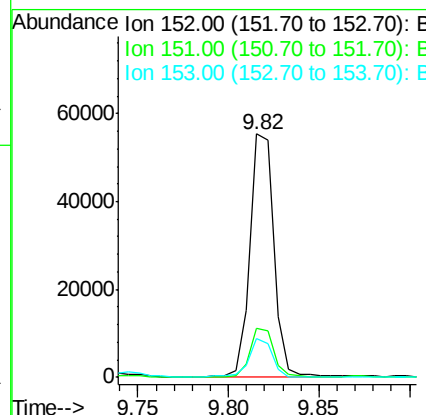
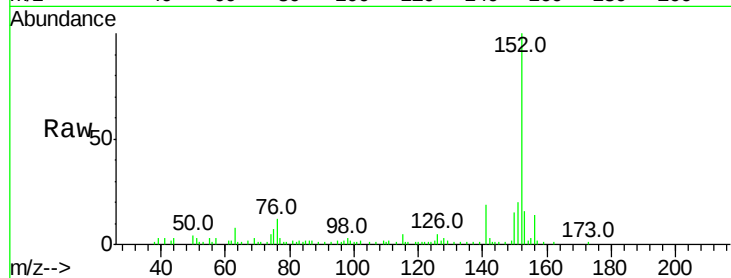
#48
Acenaphthylene
Concen: 2.657 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Resp	Lower	Upper
152	100	51321		
151	20.3		16.3	24.5
153	15.7		10.7	16.1

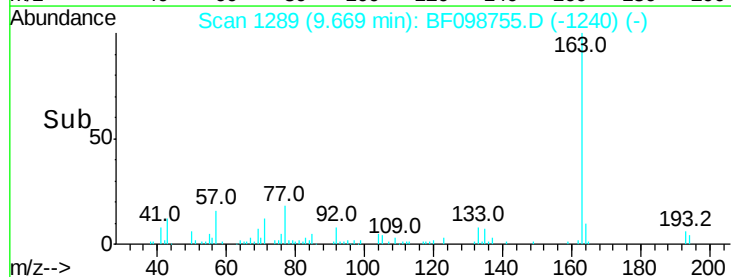
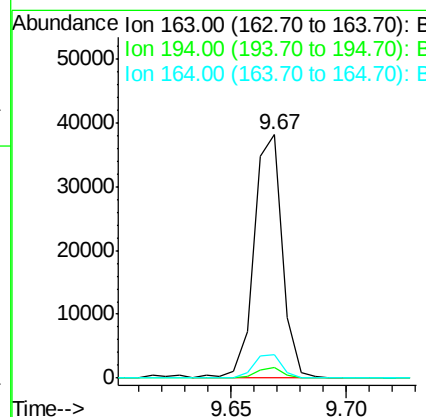
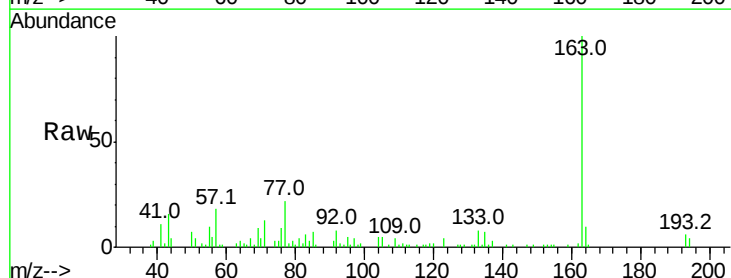
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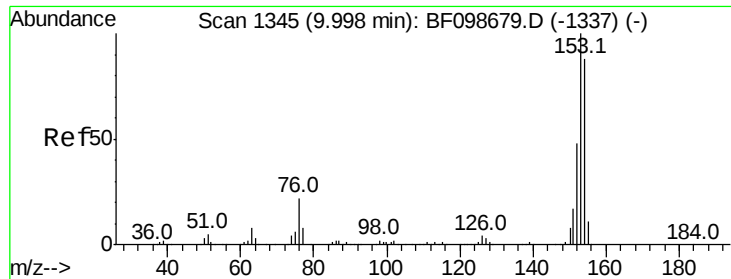
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#49
Dimethylphthalate
Concen: 2.213 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	32672		
194	4.3		2.7	4.1#
164	9.9		8.2	12.2





#51

Acenaphthene

Concen: 5.250 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Instrument :

BNA_F

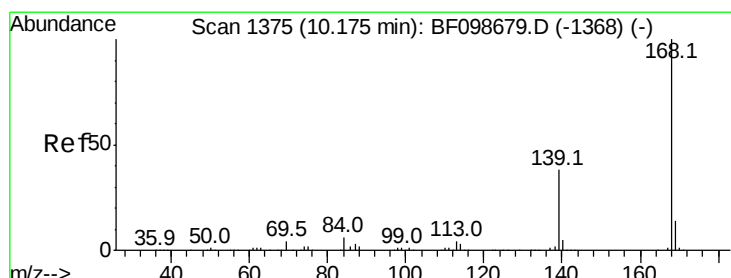
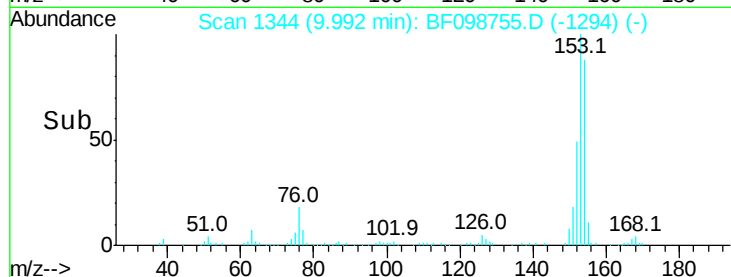
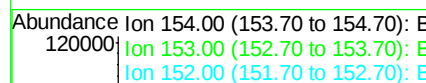
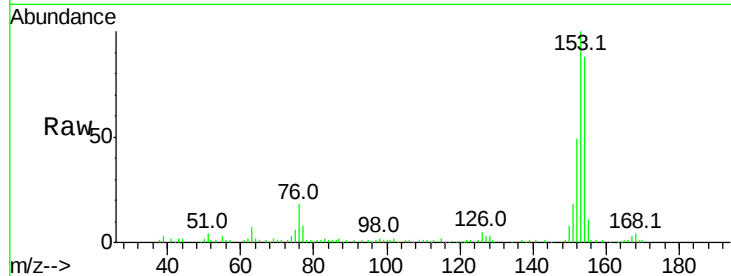
ClientSampled :

SP-1-C-COMP

Tot Ion:	154	Resp:	64246
Ion Ratio	Lower	Upper	
154	100		
153	113.5	91.2	136.8
152	55.1	43.8	65.8

Manual Integrations
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#54

Dibenzofuran

Concen: 3.932 ng

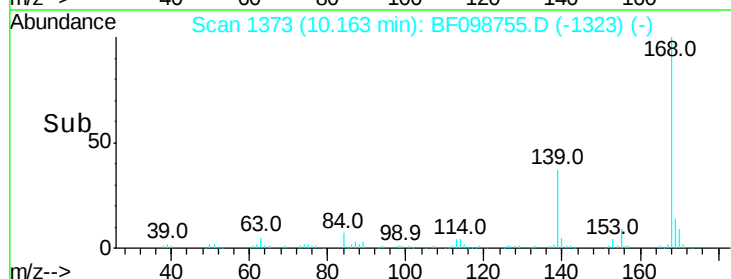
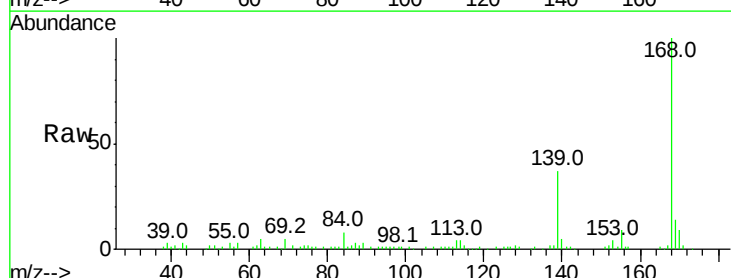
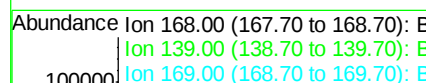
RT: 10.16 min Scan# 1373

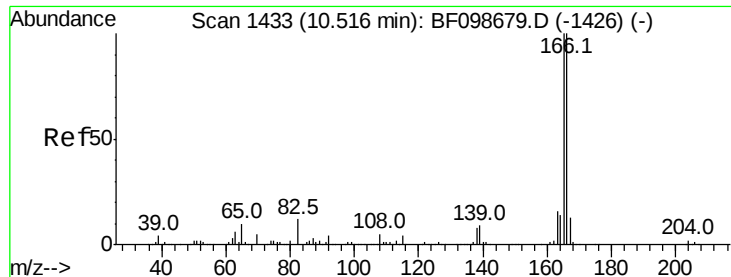
Delta R.T. -0.01 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Tgt Ion:	168	Resp:	64069
Ion Ratio	Lower	Upper	
168	100		
139	36.9	30.1	45.1
169	13.6	10.9	16.3





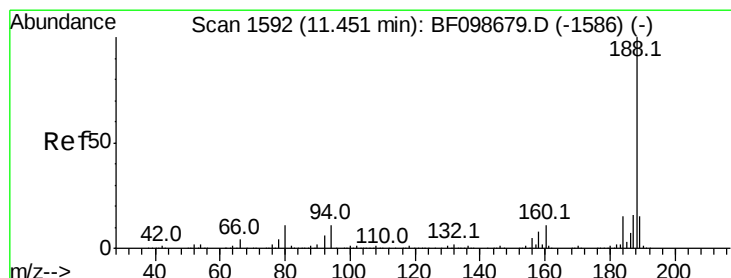
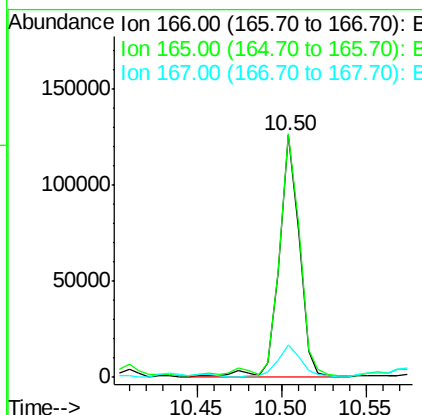
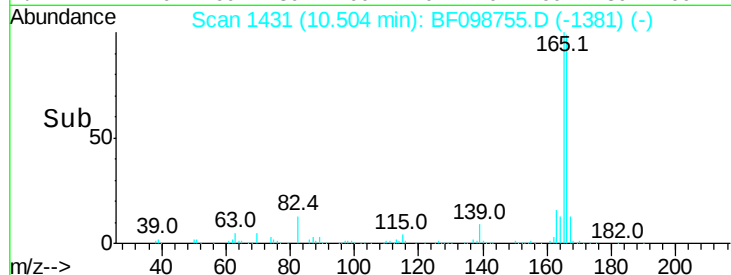
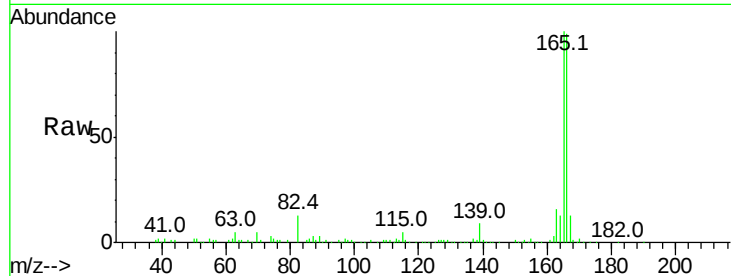
#57
 Fluorene
 Concen: 7.763 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF098755.D
 Acq: 23 Sep 2017 22:52

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.8	119.8
167	13.3	10.6	16.0

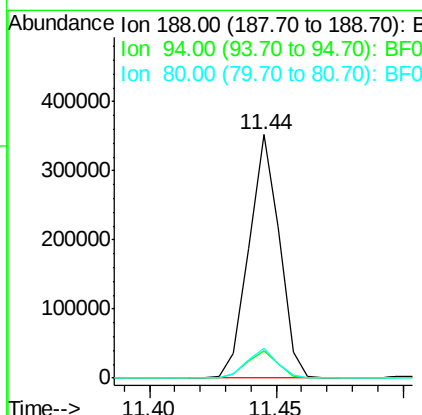
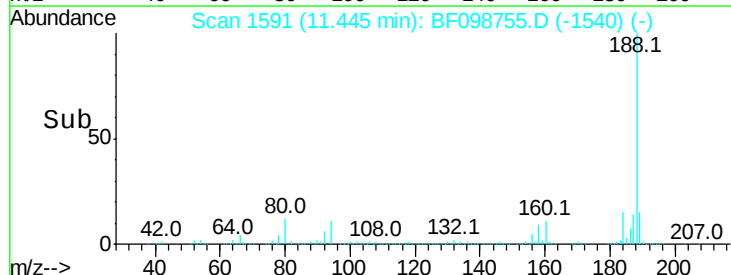
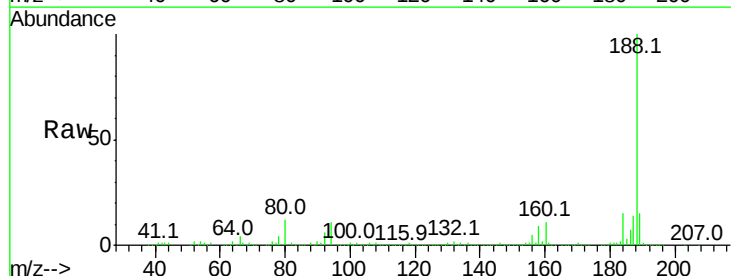
Manual Integrations
 APPROVED

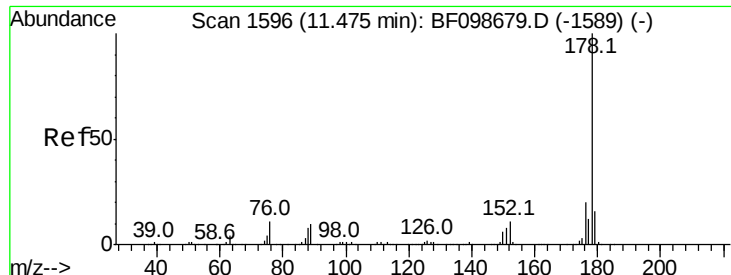
Sohil
 9/25/2017 6:26:36 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF098755.D
 Acq: 23 Sep 2017 22:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.2	9.2	13.8





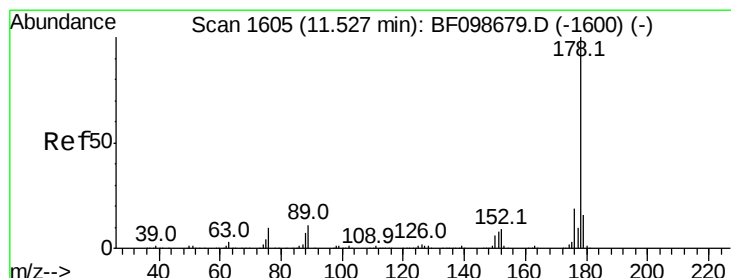
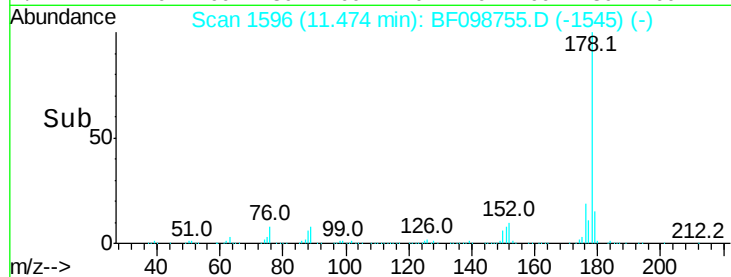
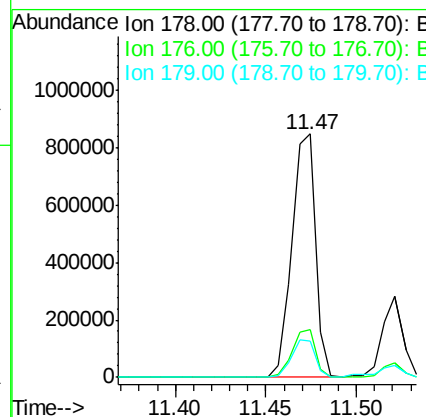
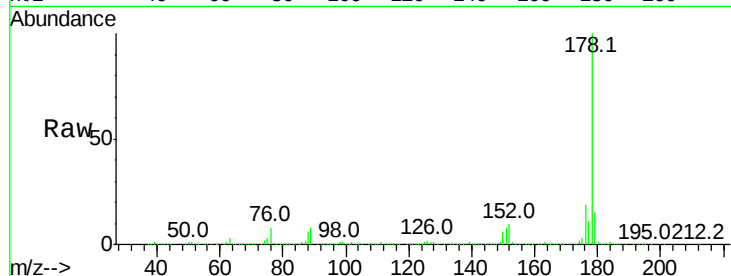
#70
Phenanthrene
Concen: 49.066 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.0	13.0	19.6

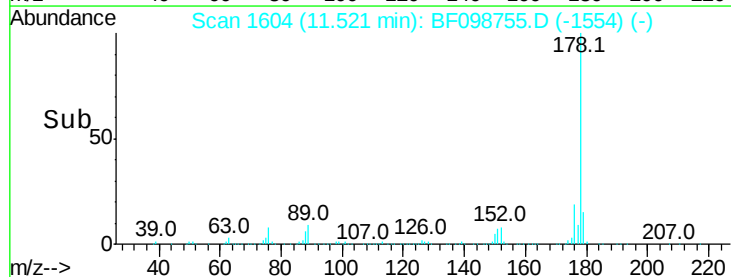
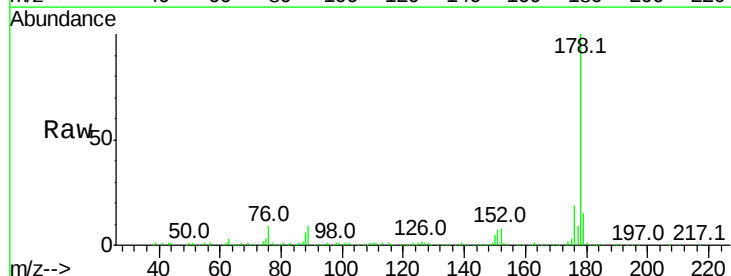
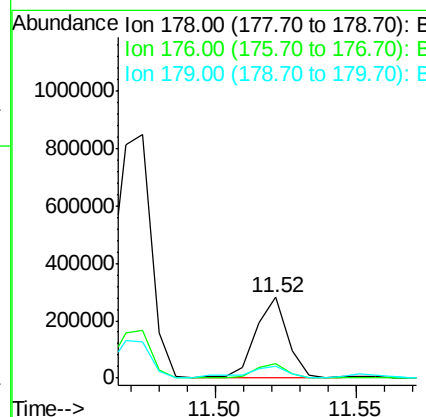
Manual Integrations
APPROVED

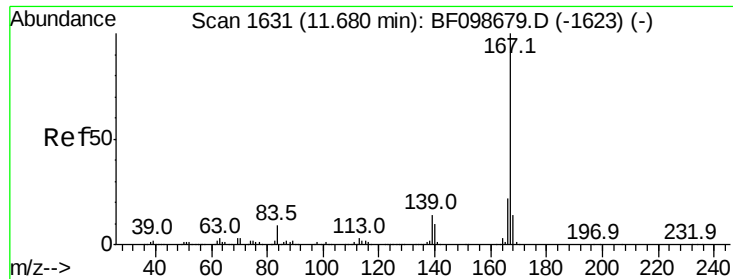
Sohil
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#71
Anthracene
Concen: 13.318 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.1	12.6	19.0





#72

Carbazole

Concen: 4.393 ng

RT: 11.67 min Scan# 1629

Delta R.T. -0.01 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Instrument :

BNA_F

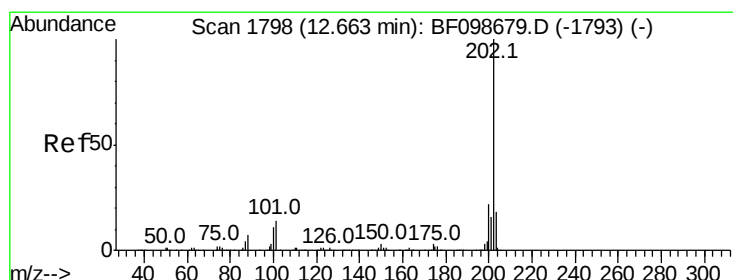
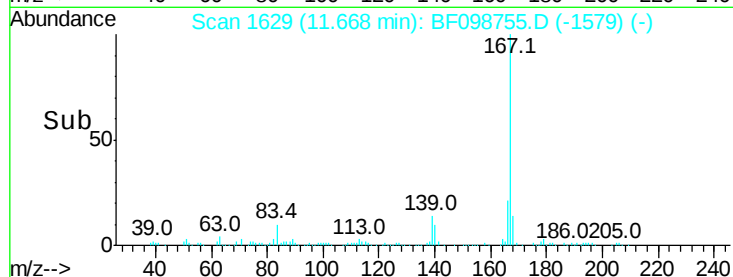
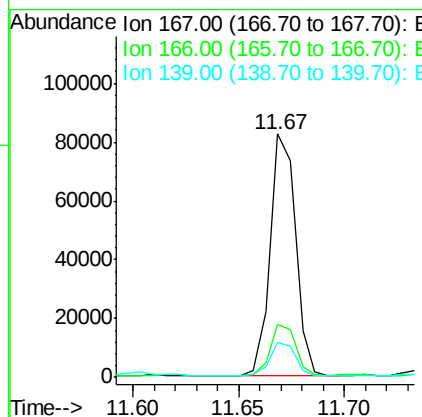
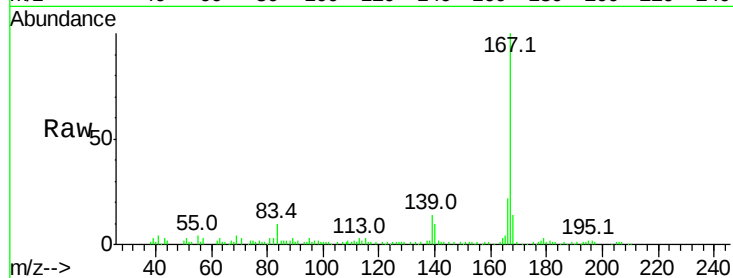
ClientSampleId :

SP-1-C-COMP

Tot Ion:	167	Resp:	69733
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	14.2	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 60.354 ng

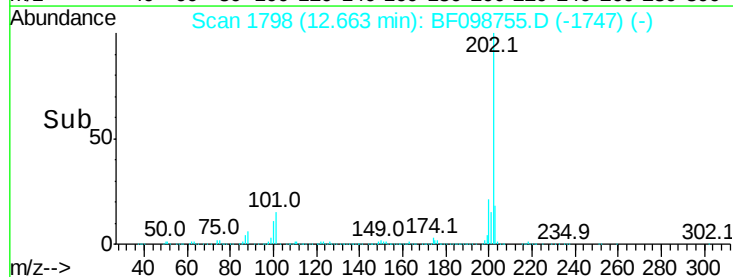
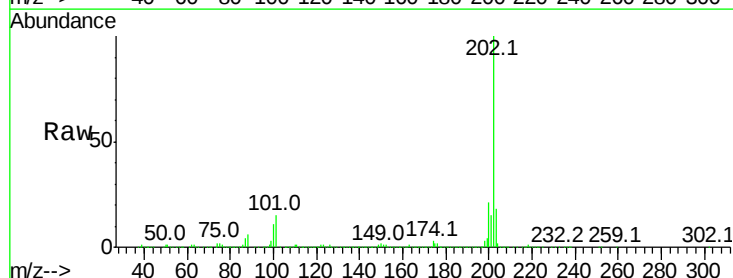
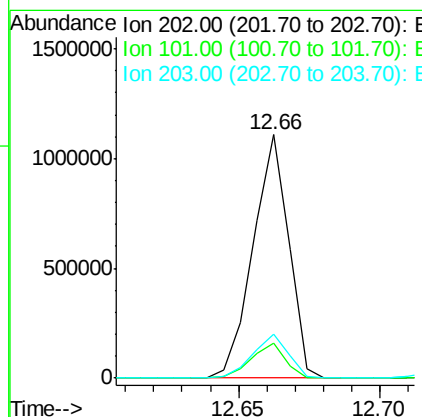
RT: 12.66 min Scan# 1798

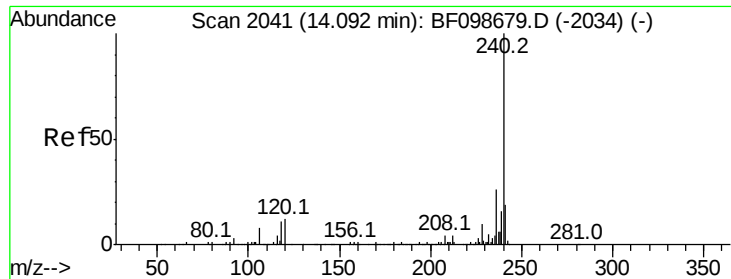
Delta R.T. -0.00 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Tgt Ion:	202	Resp:	968320
Ion Ratio	Lower	Upper	
202	100		
101	14.6	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Instrument :

BNA_F

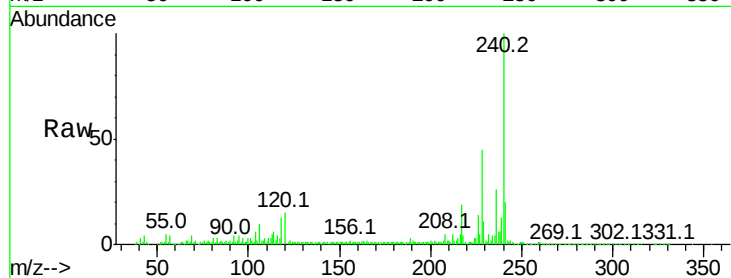
ClientSampleId :

SP-1-C-COMP

Tot Ion	Ratio	Resp	Lower	Upper
240	100	249817		
120	15.3	9.5	14.3#	
236	26.1	20.7	31.1	

Manual Integrations
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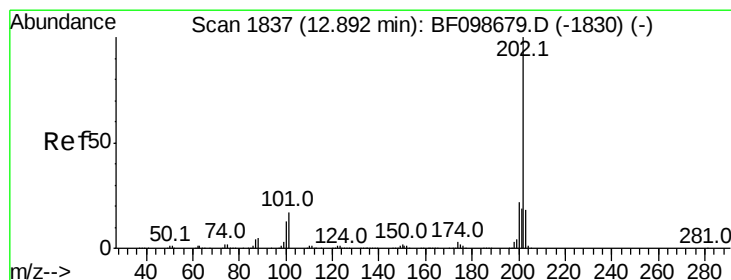
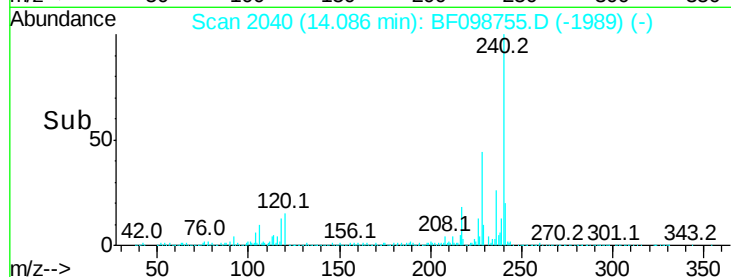
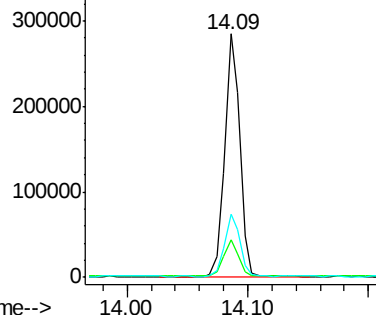
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 45.396 ng

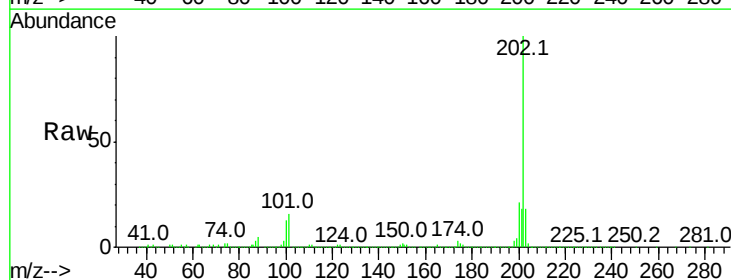
RT: 12.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

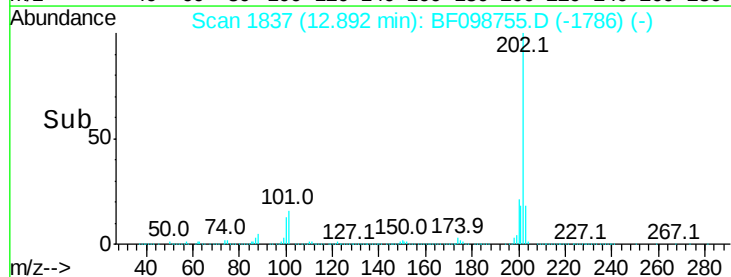
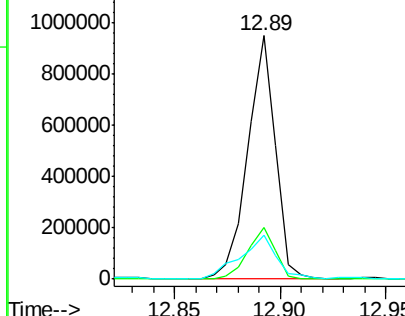
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	864776		
200	21.4	17.4	26.2	
203	18.2	14.3	21.5	

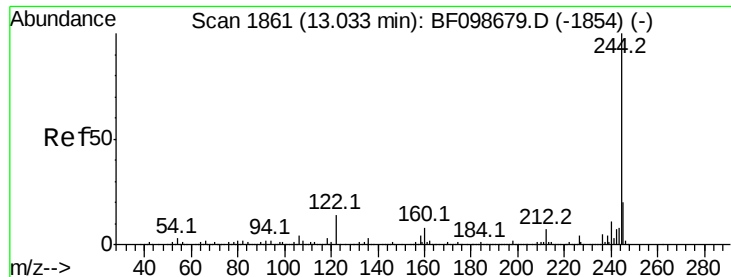


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 21.255 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Instrument :

BNA_F

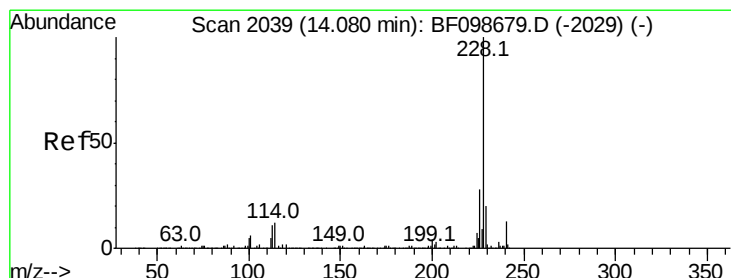
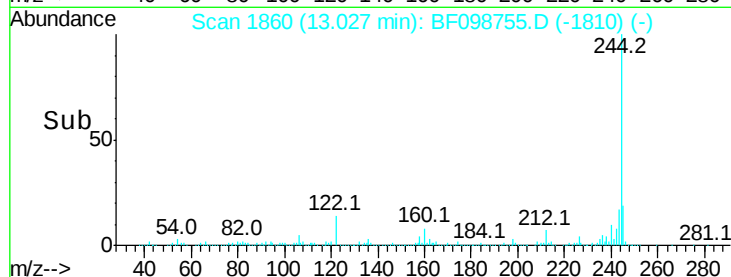
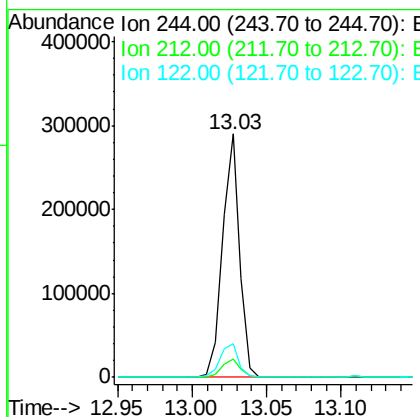
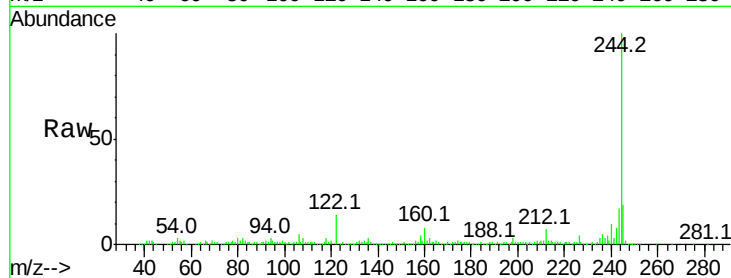
ClientSampleId :

SP-1-C-COMP

Tot Ion:	244	Resp:	233483
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	13.7	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 26.445 ng

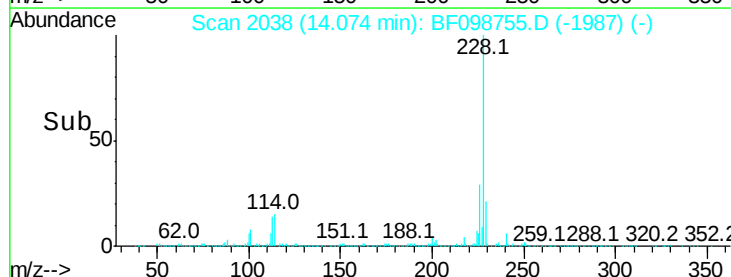
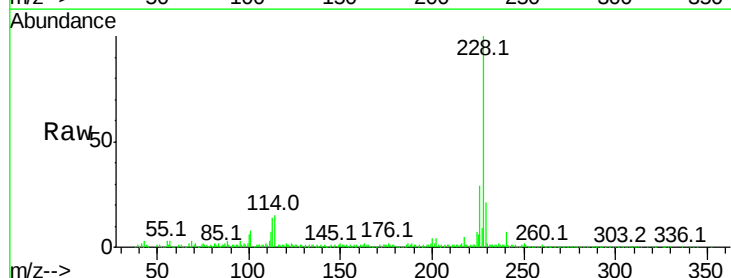
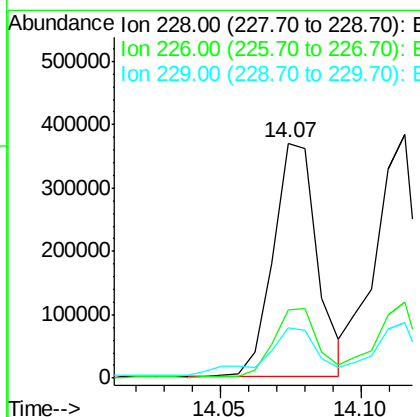
RT: 14.07 min Scan# 2038

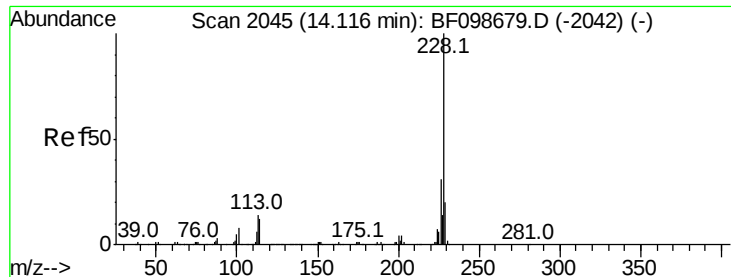
Delta R.T. -0.00 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Tgt Ion:	228	Resp:	400034
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.6	33.8
229	21.4	15.8	23.6





#82

Chrysene

Concen: 26.446 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Instrument :

BNA_F

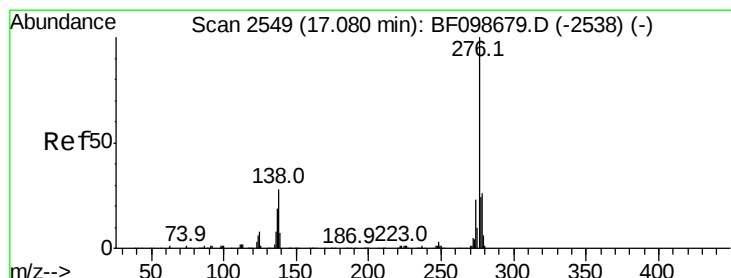
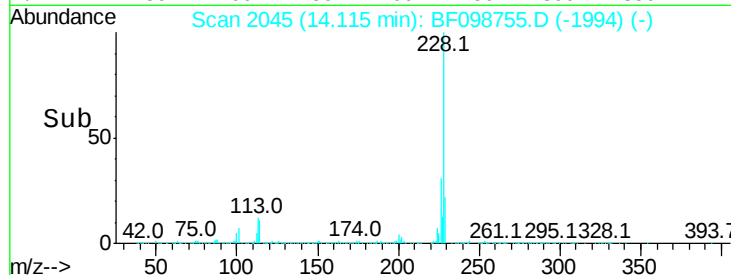
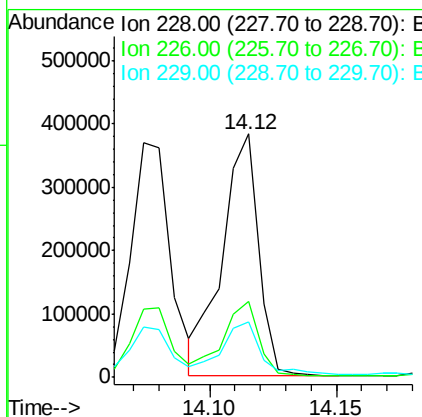
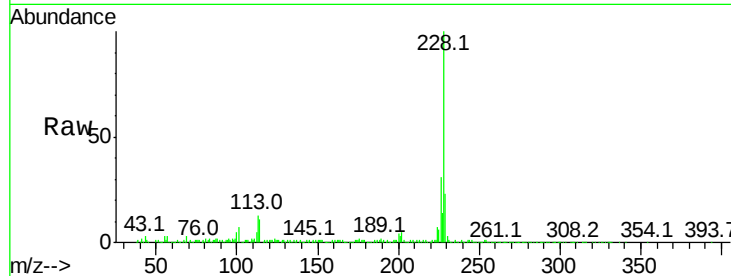
ClientSampled :

SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	23.0	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.106 ng

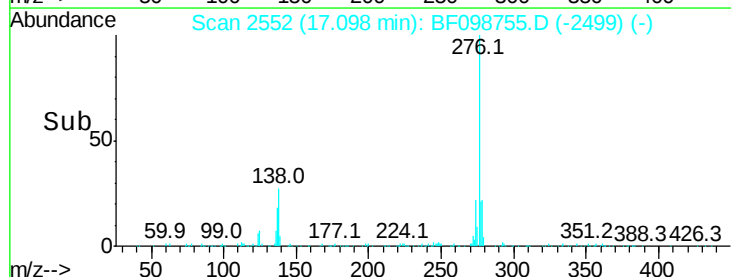
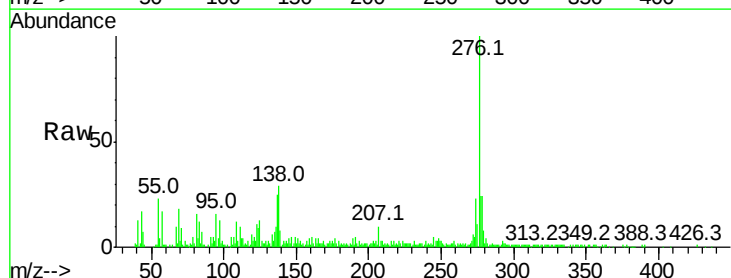
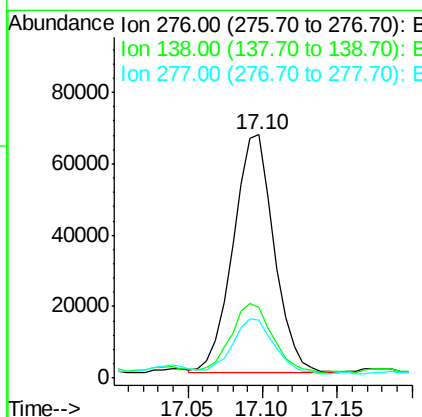
RT: 17.10 min Scan# 2552

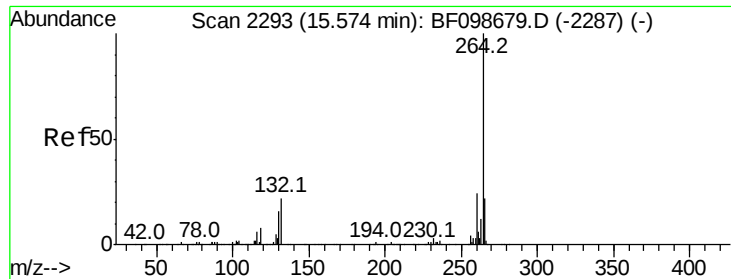
Delta R.T. 0.01 min

Lab File: BF098755.D

Acq: 23 Sep 2017 22:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.0	37.6
277	23.2	20.1	30.1





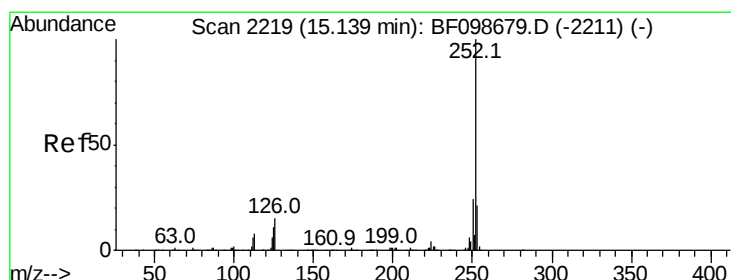
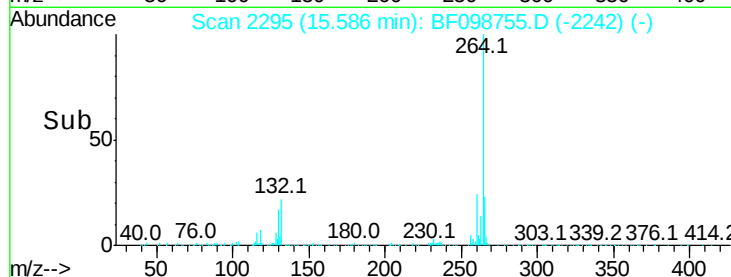
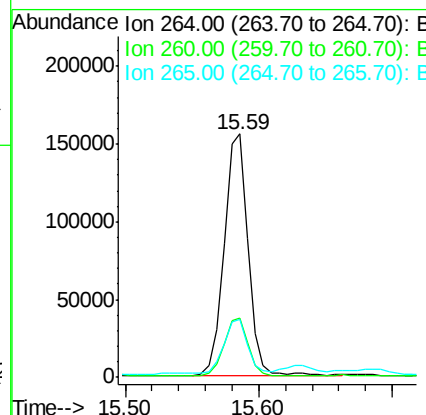
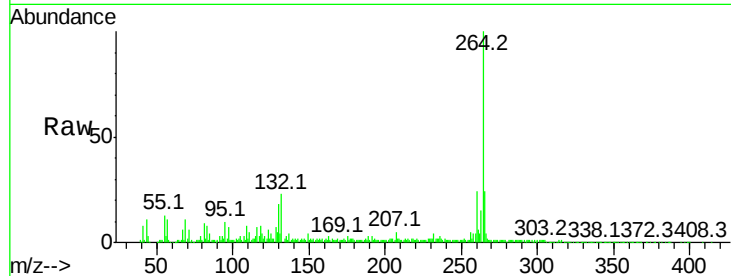
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	23.6	17.5	26.3

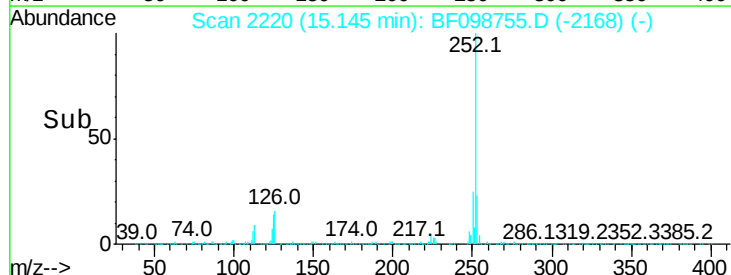
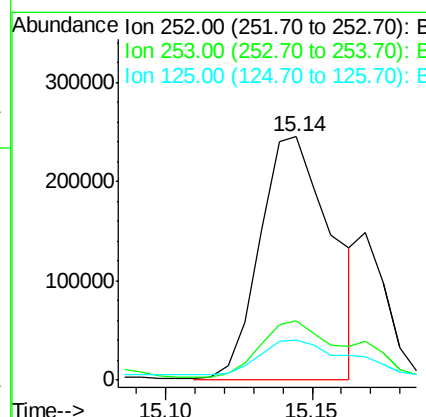
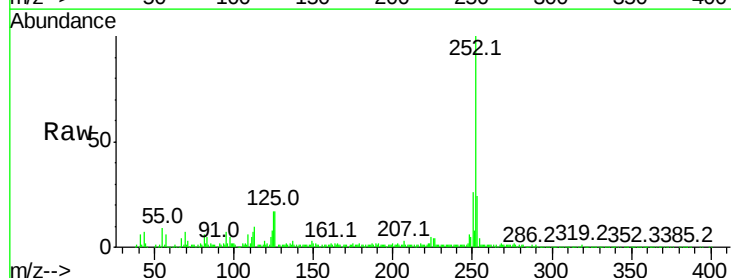
Manual Integrations
APPROVED

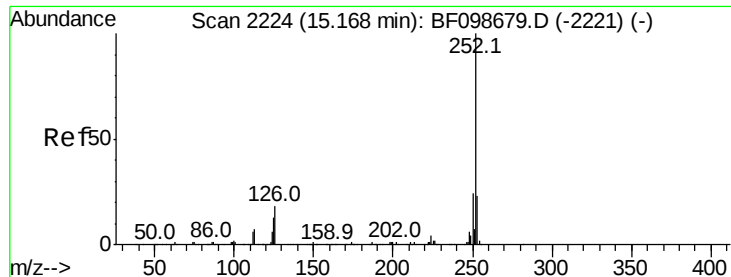
Sohil
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#87
Benzo(b)fluoranthene
Concen: 34.127 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	16.5	9.0	13.6





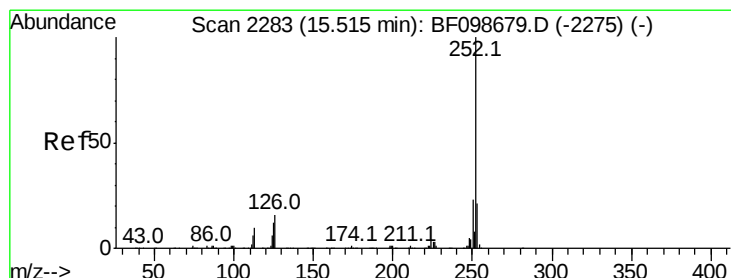
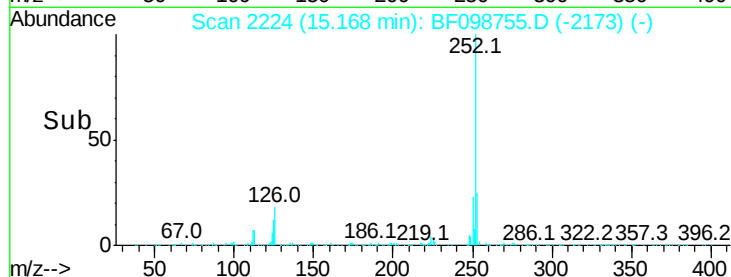
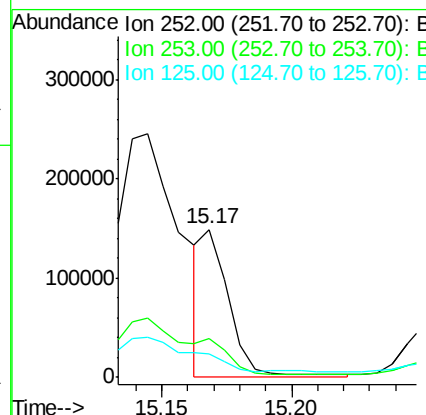
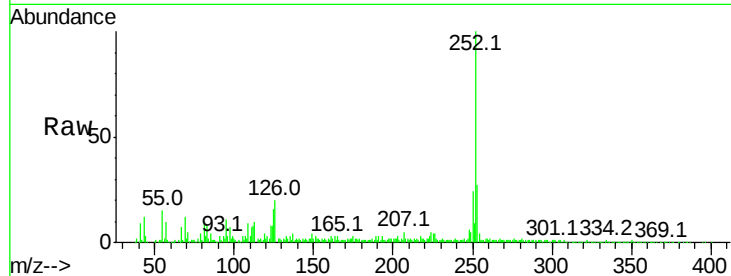
#88
Benzo(k)fluoranthene
Concen: 8.942 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.00 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.9	26.9
125	15.7	10.2	15.2

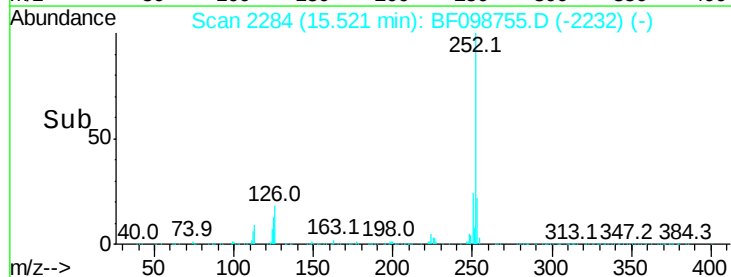
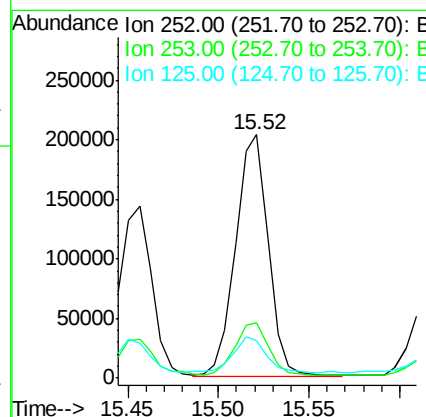
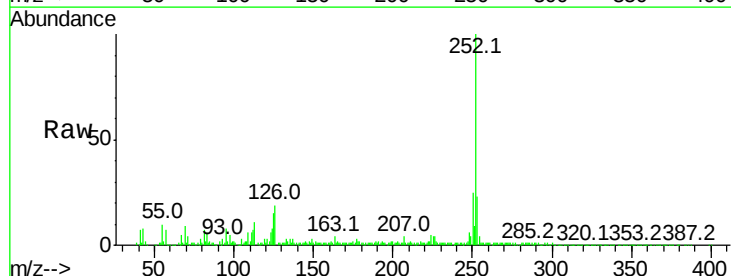
Manual Integrations
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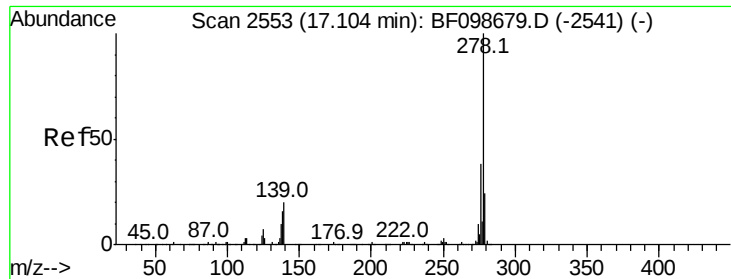
Sohil
9/25/2017 6:26:36 PM



#89
Benzo(a)pyrene
Concen: 22.726 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	15.3	9.8	14.6





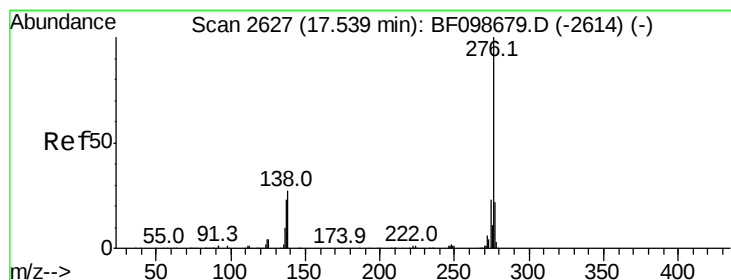
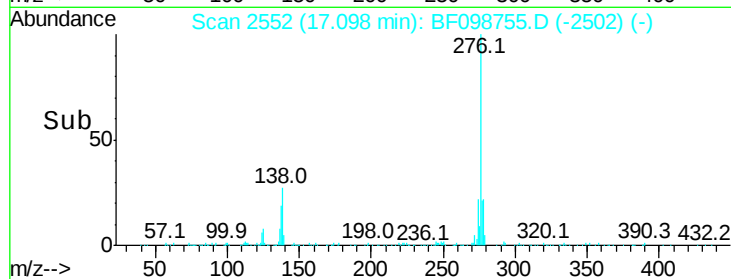
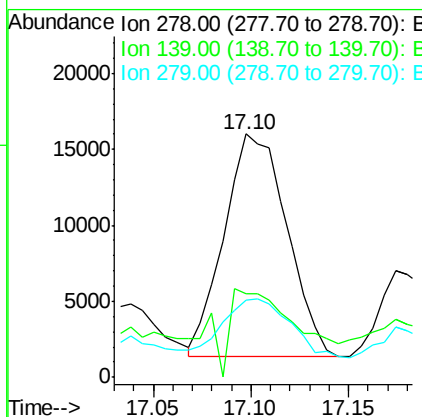
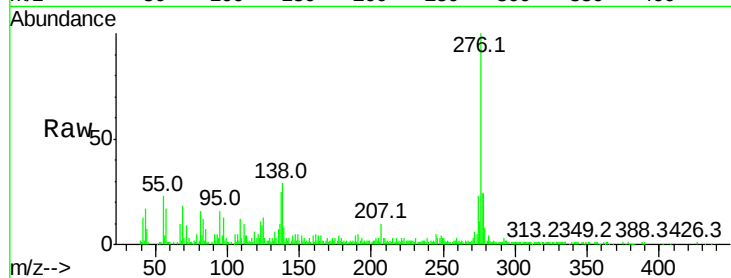
#90
Dibenzo(a,h)anthracene
Concen: 3.650 ng
RT: 17.10 min Scan# 2552
Delta R.T. -0.01 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Instrument :
BNA_F
ClientSampleId :
SP-1-C-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	34.4	15.9	23.9#
279	32.0	19.0	28.4#

Manual Integrations
APPROVED

Sohil
9/25/2017 6:26:36 PM



#91
Benzo(g,h,i)perylene
Concen: 13.291 ng
RT: 17.56 min Scan# 2630
Delta R.T. 0.01 min
Lab File: BF098755.D
Acq: 23 Sep 2017 22:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	29.3	21.8	32.8

