

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110317\
 Data File : BF100145.D
 Acq On : 3 Nov 2017 20:04
 Operator : SJ/JU
 Sample : I6081-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Q2-COMP-FILL

Manual Integrations
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Quant Time: Nov 03 23:42:11 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 03 15:46:10 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	98562	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	415539	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	181946	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	288960	20.00	ng	0.00
75) Chrysene-d12	13.95	240	147045	20.00	ng	0.00
86) Perylene-d12	15.41	264	156993	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	554238	88.28	ng	0.00
7) Phenol-d6	6.42	99	678938	91.21	ng	-0.01
23) Nitrobenzene-d5	7.34	82	386135	59.82	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	131171	79.11	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	601219	50.98	ng	0.00
78) Terphenyl-d14	12.88	244	418295	62.17	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.43	94	44673	5.466	ng	95
31) Naphthalene	8.07	128	90542	4.514	ng	99
37) 2-Methylnaphthalene	8.77	142	28753	2.139	ng	97
48) Acenaphthylene	9.67	152	82404	4.476	ng	98
49) Dimethylphthalate	9.52	163	102629	7.123	ng	99
54) Dibenzofuran	10.02	168	57384	3.614	ng	98
57) Fluorene	10.36	166	61103	4.647	ng	96
70) Phenanthrene	11.32	178	667053	40.905	ng	98
71) Anthracene	11.37	178	253183	15.295	ng	98
72) Carbazole	11.54	167	56358	3.621	ng	99
74) Fluoranthene	12.52	202	808432	47.703	ng	97
77) Pyrene	12.75	202	673338	60.221	ng	99
80) Benzo(a)anthracene	13.94	228	339442	36.414	ng	98
82) Chrysene	13.98	228	273343	31.191	ng	96
85) Indeno(1,2,3-cd)pyrene	16.89	276	130064	16.167	ng	95
87) Benzo(b)fluoranthene	14.99	252	308703m	31.140	ng	
88) Benzo(k)fluoranthene	15.02	252	140860m	15.069	ng	
89) Benzo(a)pyrene	15.35	252	253300	28.445	ng	# 94
90) Dibenzo(a,h)anthracene	16.87	278	37077m	4.686	ng	
91) Benzo(g,h,i)perylene	17.33	276	104323	13.476	ng	94

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

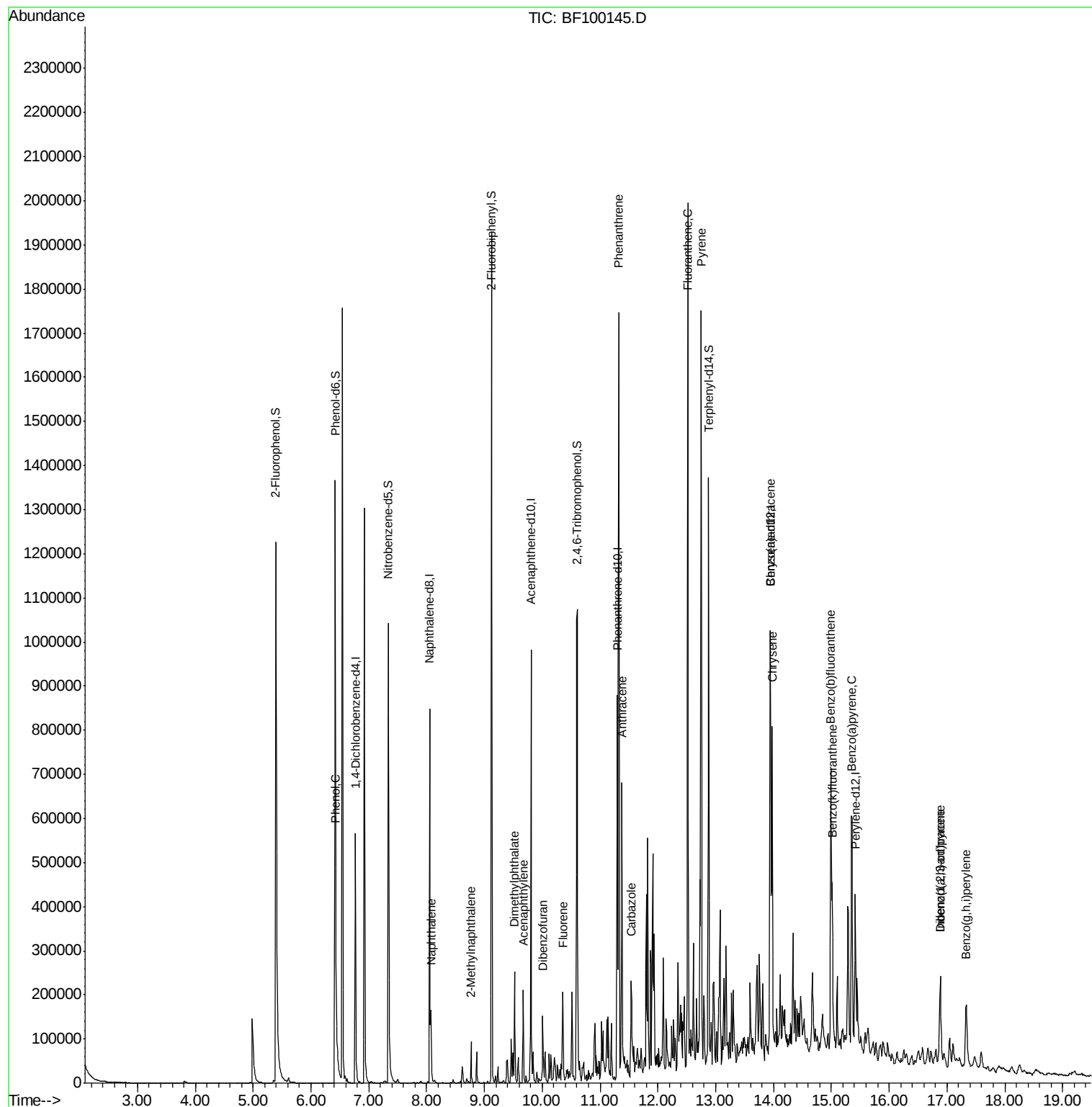
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110317\
Data File : BF100145.D
Acq On : 3 Nov 2017 20:04
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ALS Vial : 16 Sample Multiplier: 1

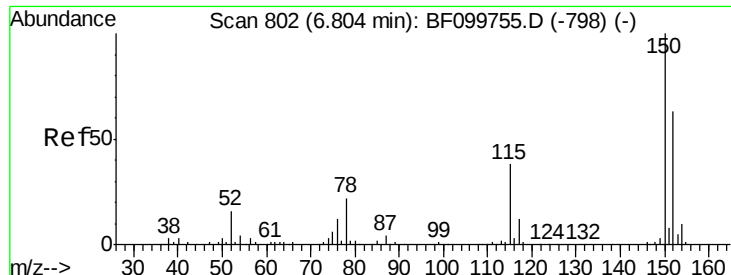
Instrument :
BNA_F
ClientSampleId :
Q2-COMP-FILL

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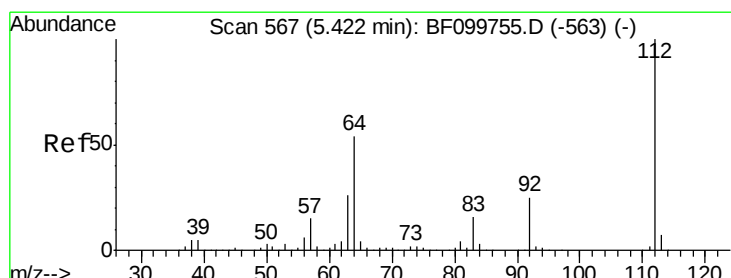
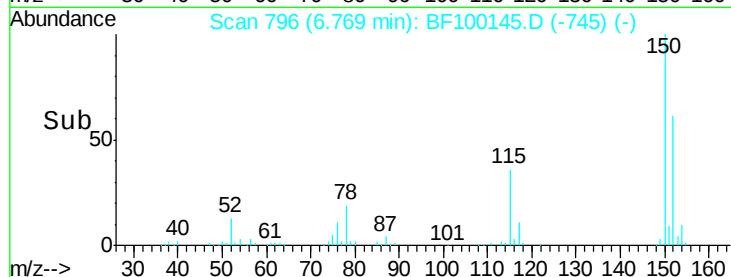
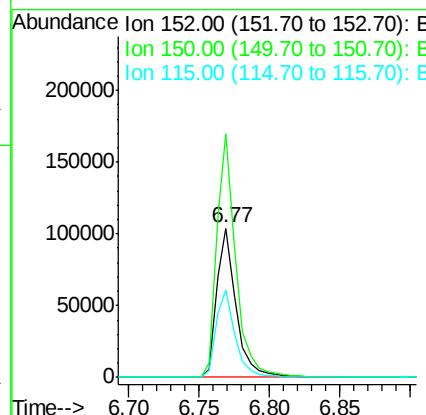
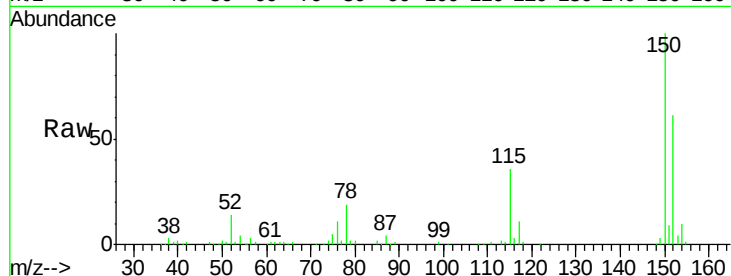
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF100145.D
 Acq: 3 Nov 2017 20:04

Instrument :
 BNA_F
 ClientSampleId :
 Q2-COMP-FILL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.9	124.6	186.8
115	58.5	50.1	75.1

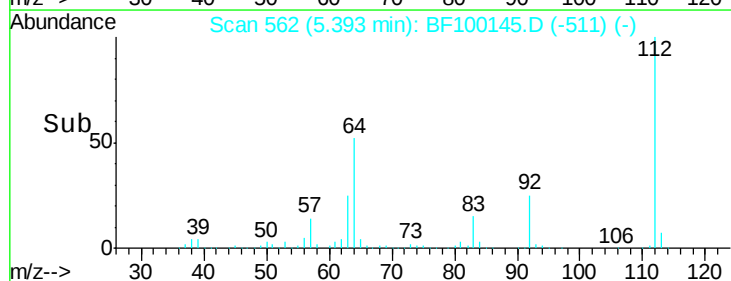
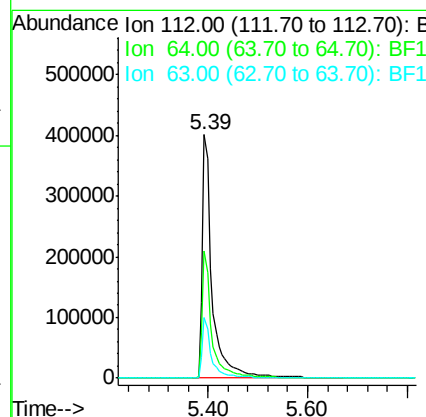
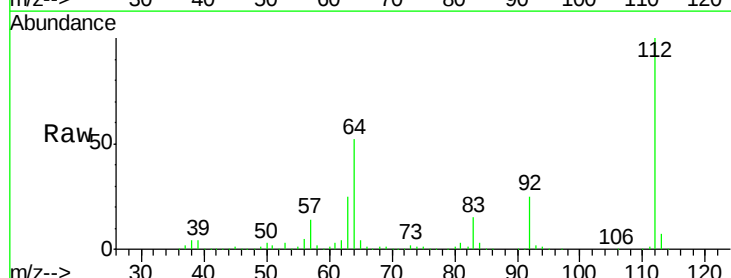
Manual Integrations
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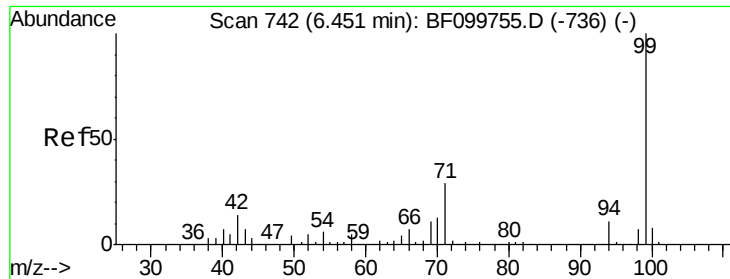
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#5
 2-Fluorophenol
 Concen: 88.283 ng
 RT: 5.39 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: BF100145.D
 Acq: 3 Nov 2017 20:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	47.9	71.9
63	24.7	23.7	35.5





#7

Phenol-d6

Concen: 91.207 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF100145.D

Acq: 3 Nov 2017 20:04

Instrument :

BNA_F

ClientSampleId :

Q2-COMP-FILL

Tgt Ion: 99 Resp: 678938

Ion Ratio Lower Upper

99 100

42 14.1 14.5 21.7#

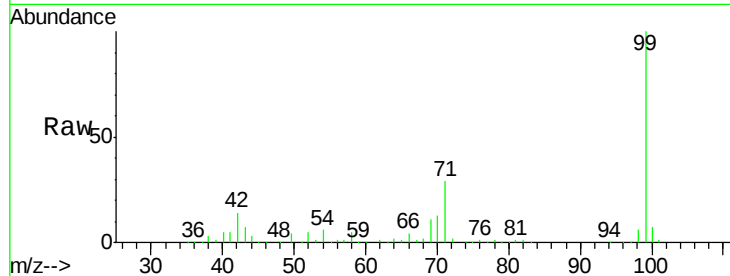
71 29.0 25.4 38.0

Manual Integrations

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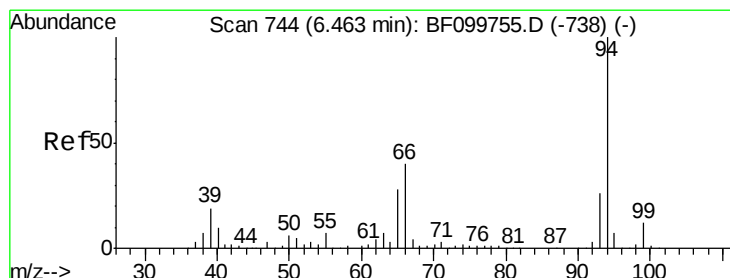
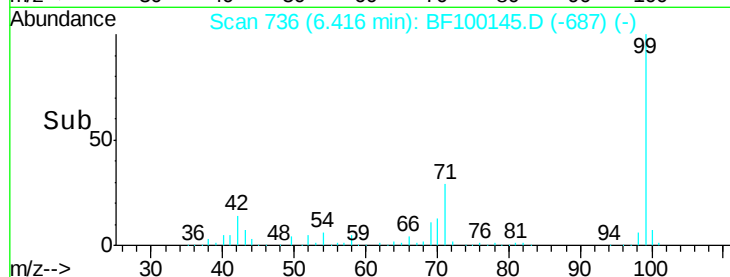
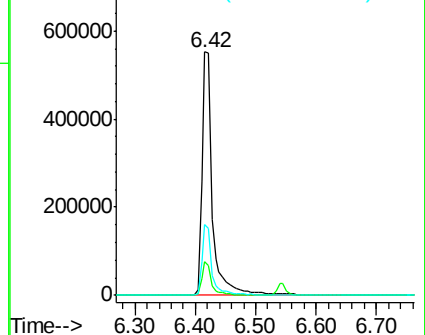
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.466 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF100145.D

Acq: 3 Nov 2017 20:04

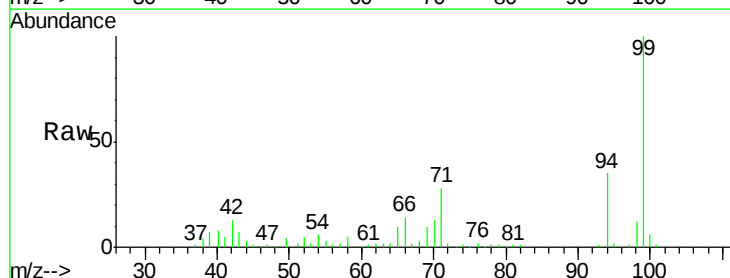
Tgt Ion: 94 Resp: 44673

Ion Ratio Lower Upper

94 100

65 28.2 7.9 47.9

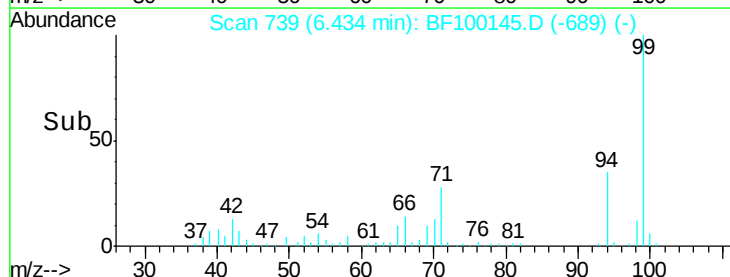
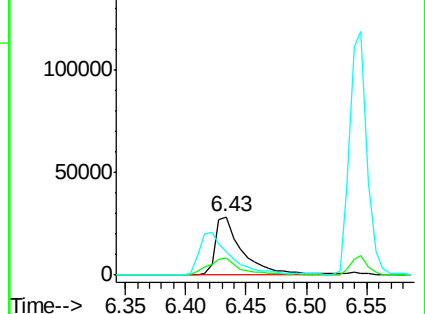
66 40.8 16.2 56.2

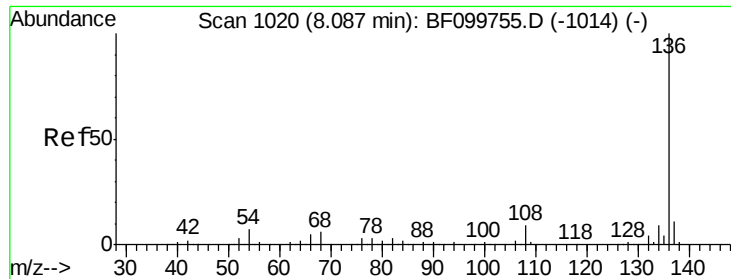


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





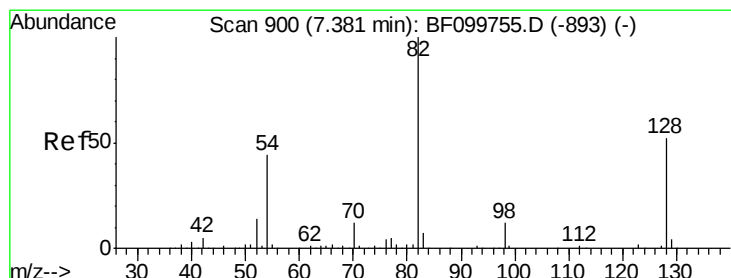
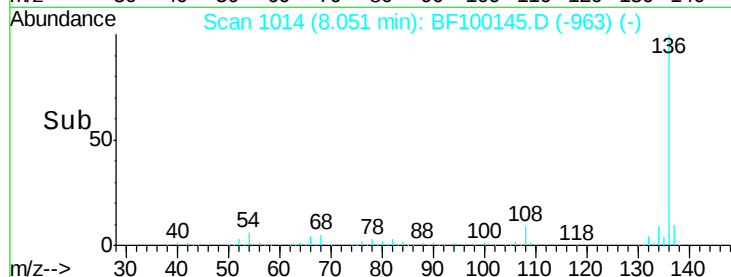
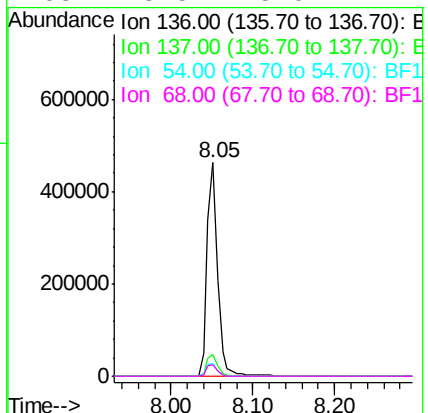
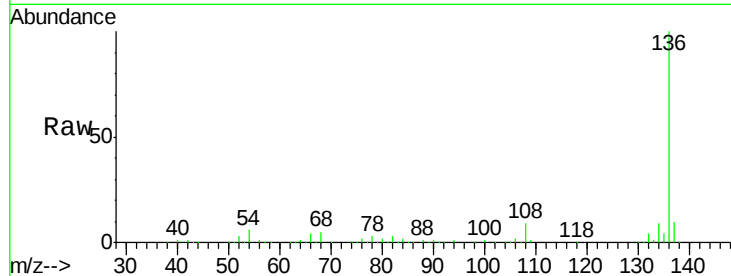
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Instrument :
BNA_F
ClientSampleId :
Q2-COMP-FILL

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	415539		
137	10.3	8.9	13.3	
54	6.0	6.6	9.8#	
68	5.5	5.0	7.4	

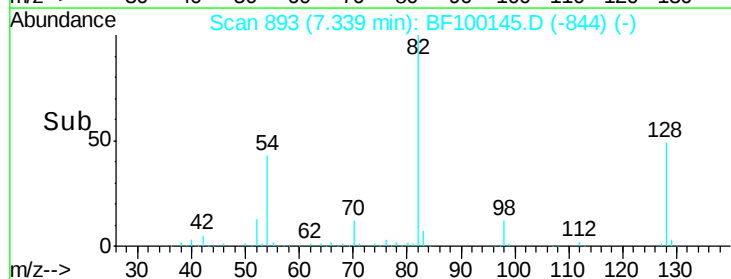
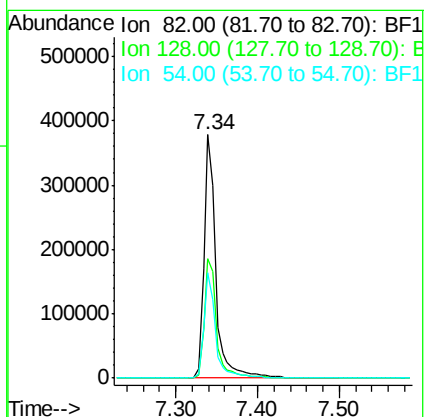
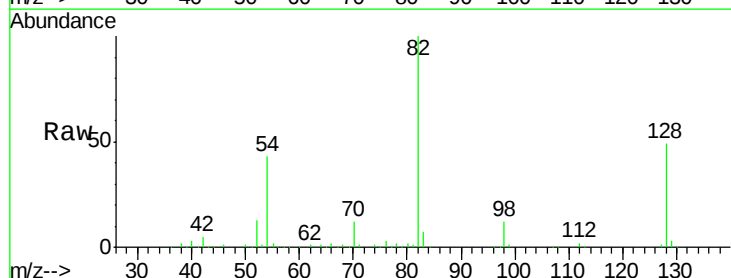
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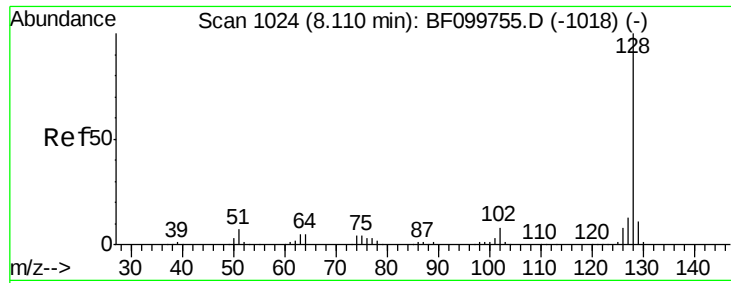
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#23
Nitrobenzene-d5
Concen: 59.825 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	386135		
128	49.1	36.1	54.1	
54	43.2	41.4	62.2	





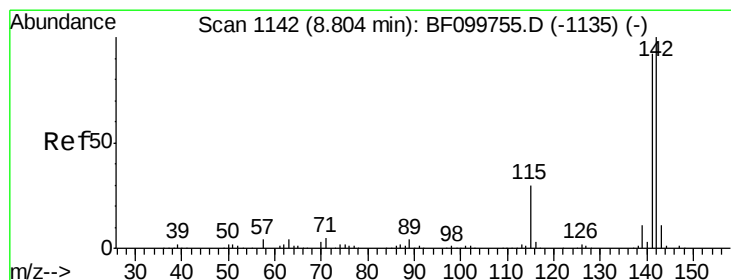
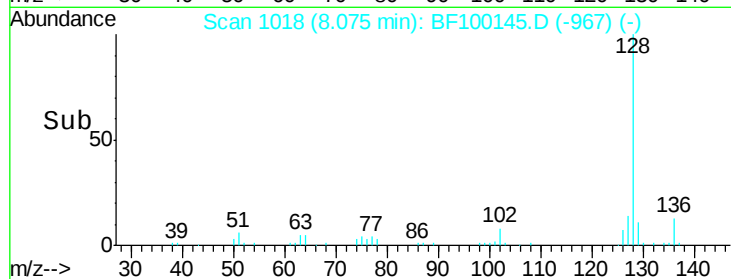
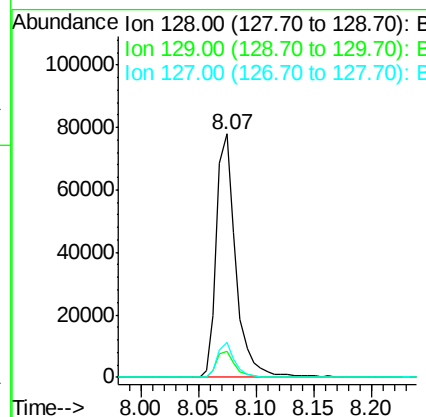
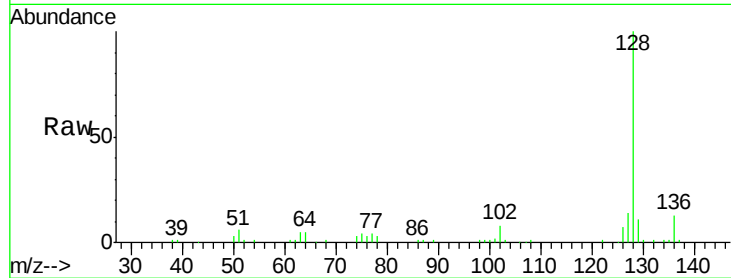
#31
Naphthalene
Concen: 4.514 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Instrument :
BNA_F
ClientSampleId :
Q2-COMP-FILL

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	14.1	10.9	16.3

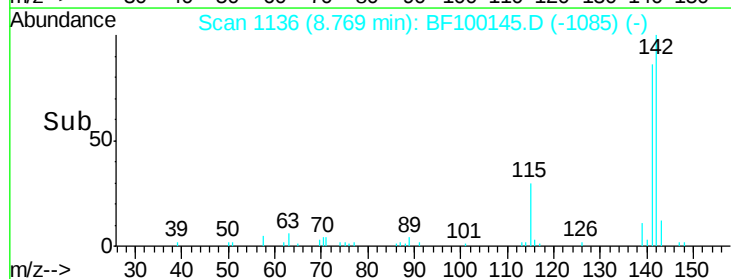
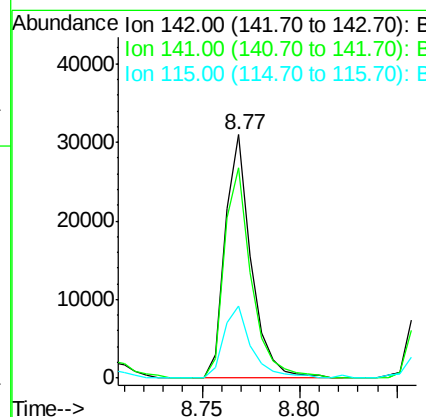
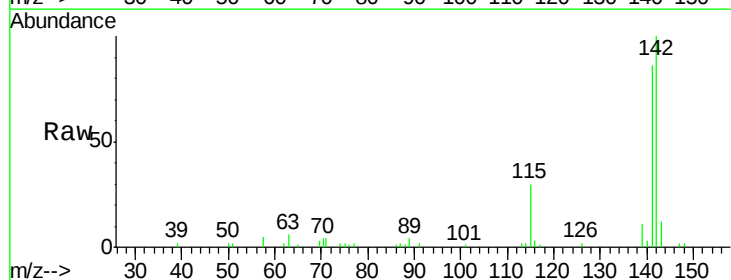
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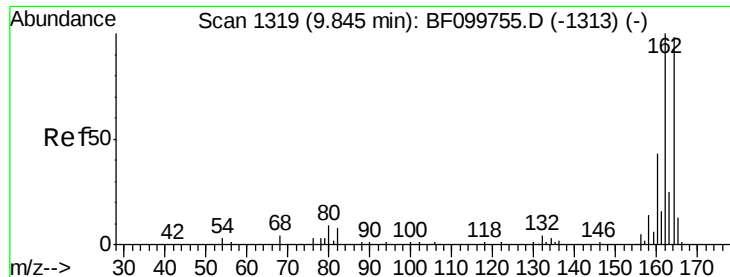
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#37
2-Methylnaphthalene
Concen: 2.139 ng
RT: 8.77 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.2	70.8	106.2
115	29.8	26.1	39.1





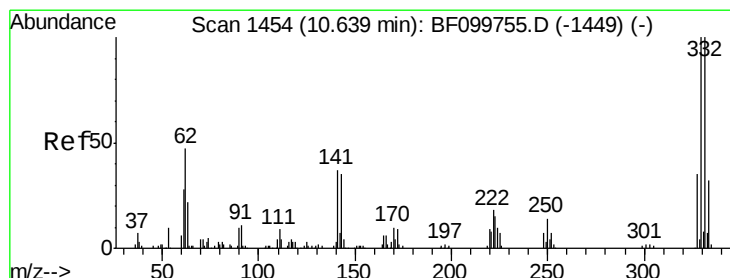
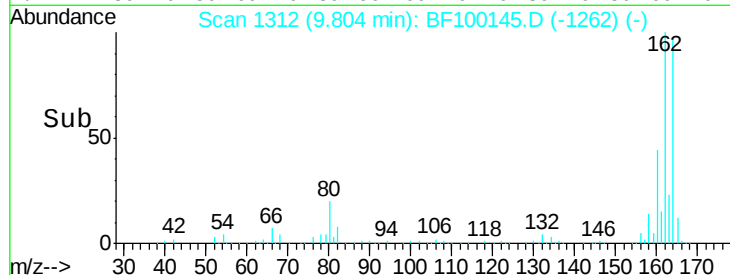
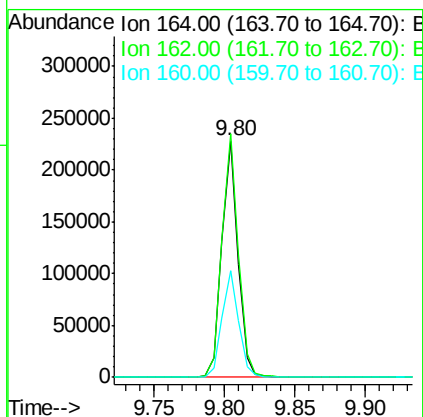
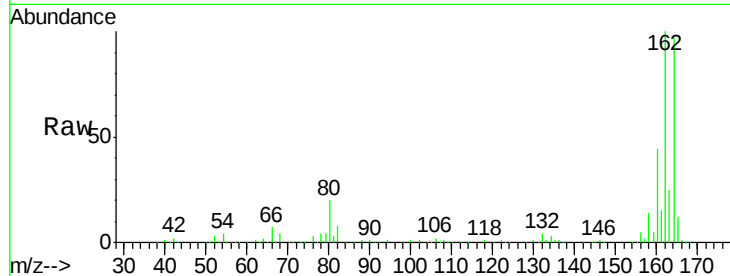
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Instrument :
BNA_F
ClientSampleId :
Q2-COMP-FILL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	181946		
162	103.1	86.1	129.1	
160	45.0	38.3	57.5	

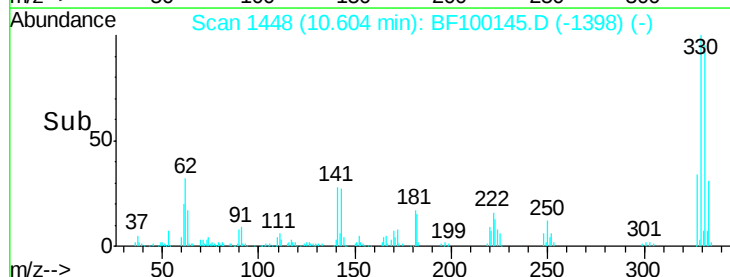
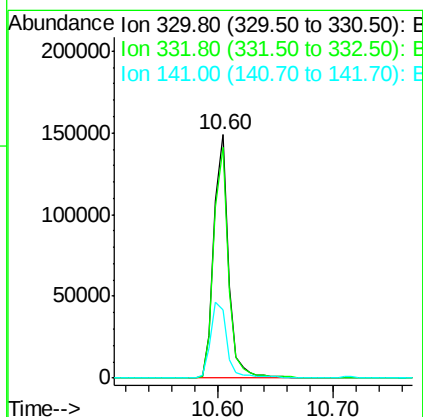
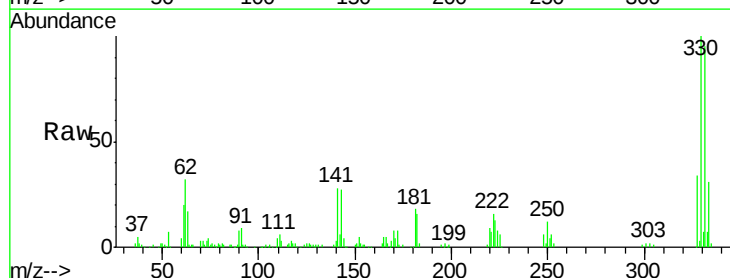
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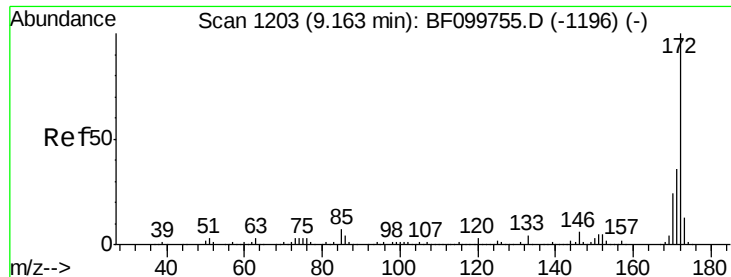
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#41
2,4,6-Tribromophenol
Concen: 79.109 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	131171		
332	95.6	77.0	115.6	
141	35.9	29.9	44.9	





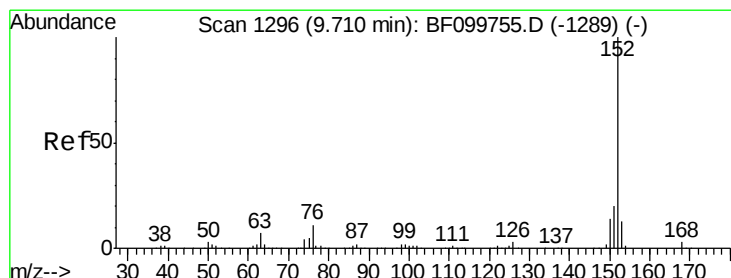
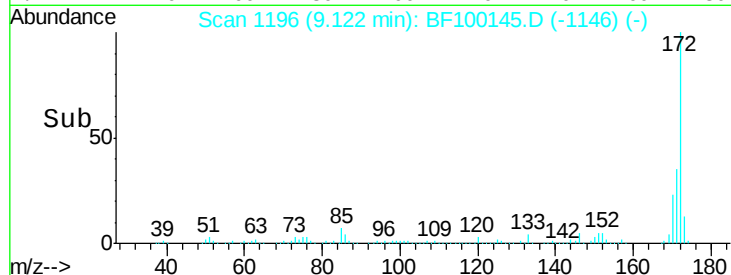
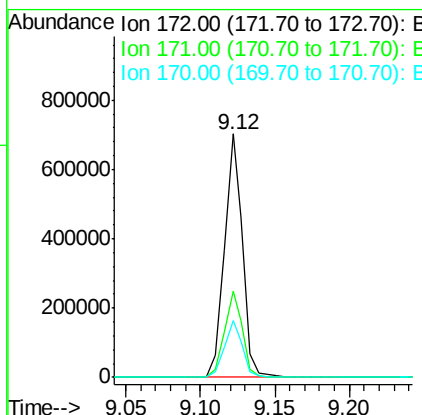
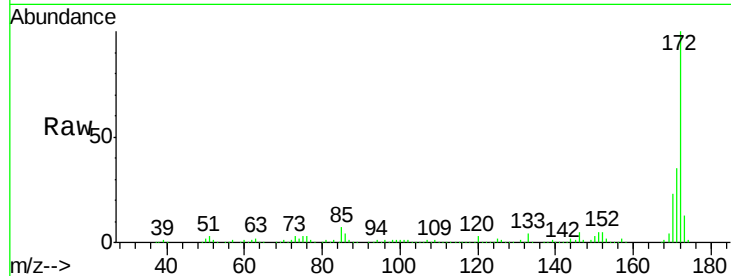
#44
2-Fluorobiphenyl
Concen: 50.981 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Instrument :
BNA_F
ClientSampleId :
Q2-COMP-FILL

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	601219		
171	35.2	29.7	44.5	
170	23.1	19.6	29.4	

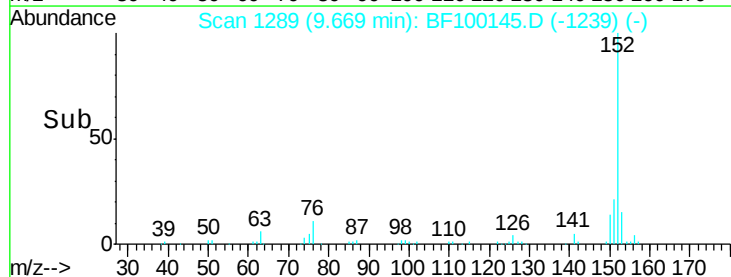
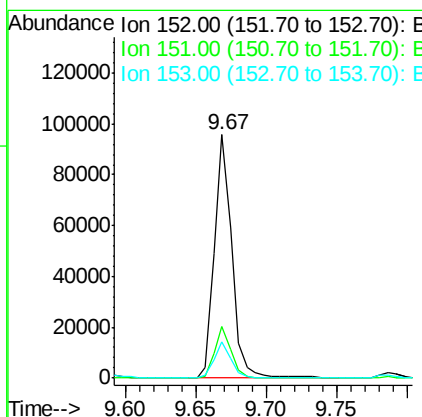
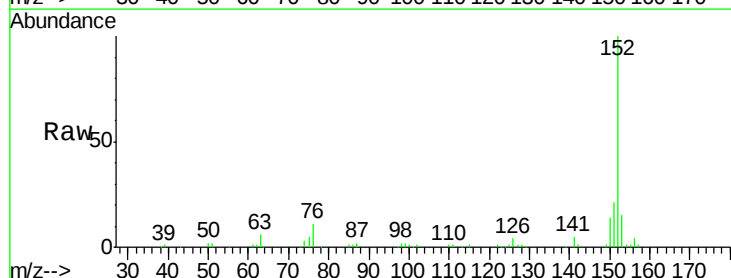
Manual Integrations
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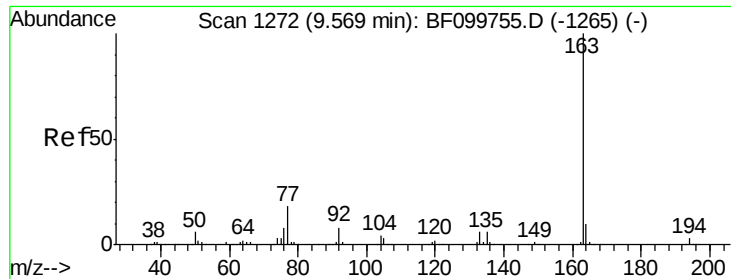
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#48
Acenaphthylene
Concen: 4.476 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	82404		
151	21.2	16.3	24.5	
153	14.7	10.7	16.1	





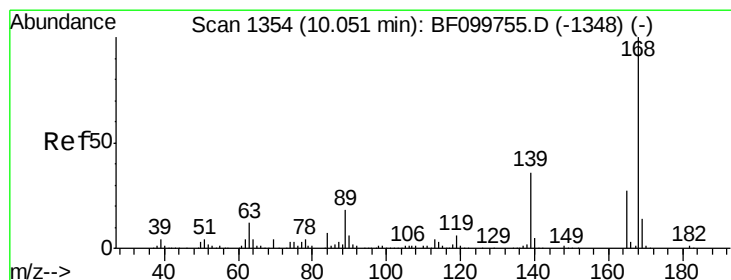
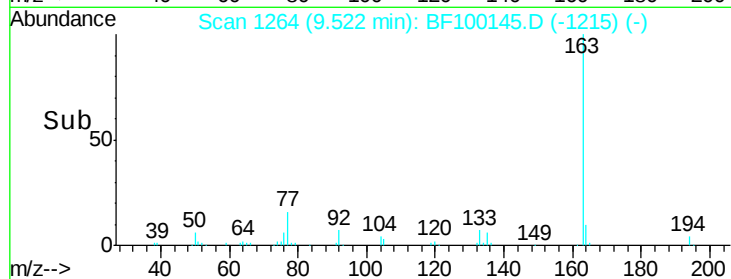
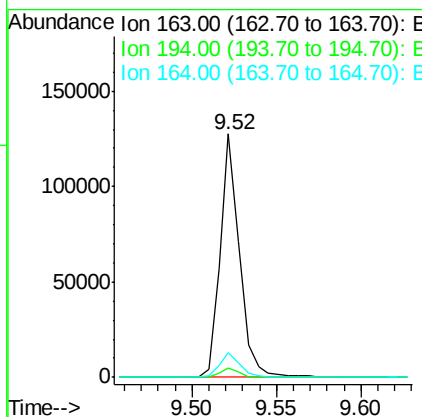
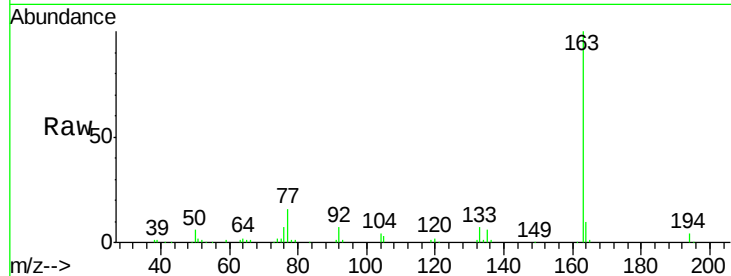
#49
Dimethylphthalate
Concen: 7.123 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Instrument :
BNA_F
ClientSampleId :
Q2-COMP-FILL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	102629		
194	3.8	2.7	4.1	
164	10.4	8.2	12.2	

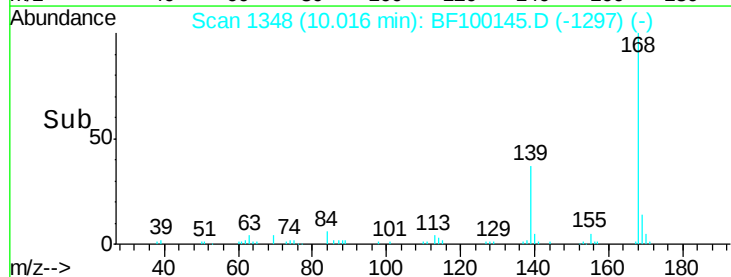
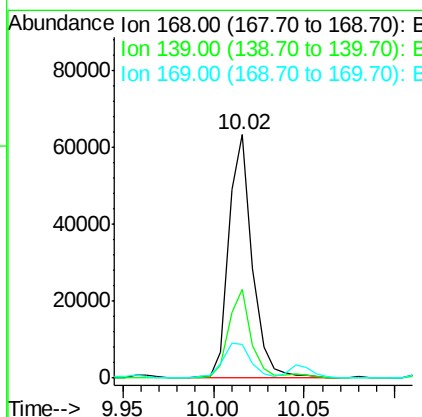
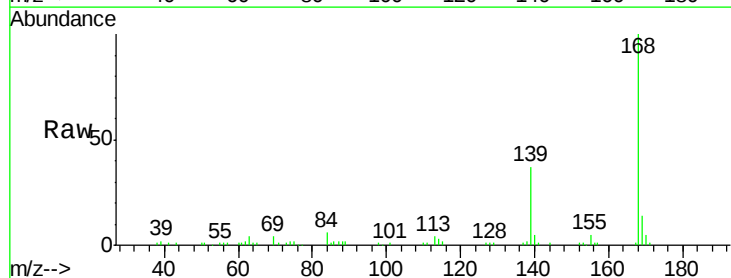
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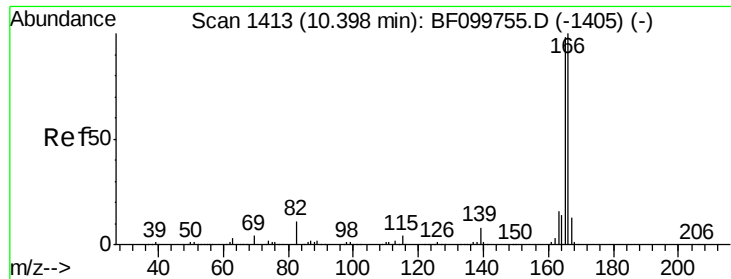
Sohil
11/4/2017 2:19:02 PM



#54
Dibenzofuran
Concen: 3.614 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	57384		
139	36.6	30.1	45.1	
169	14.0	10.9	16.3	





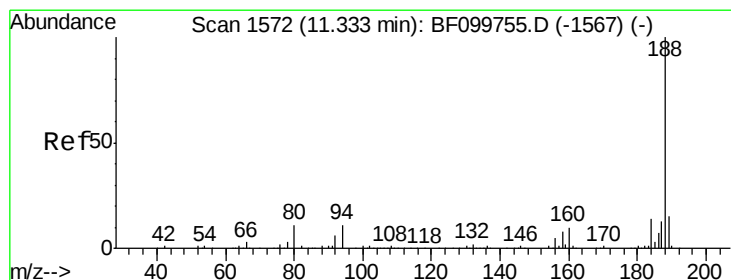
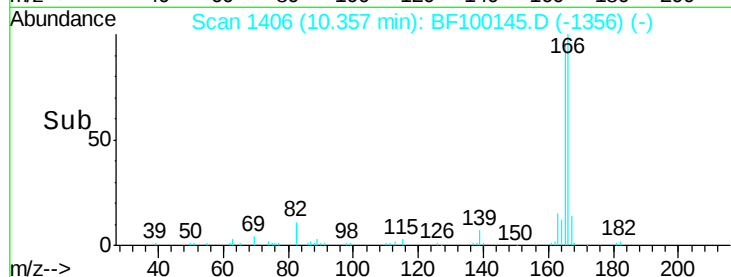
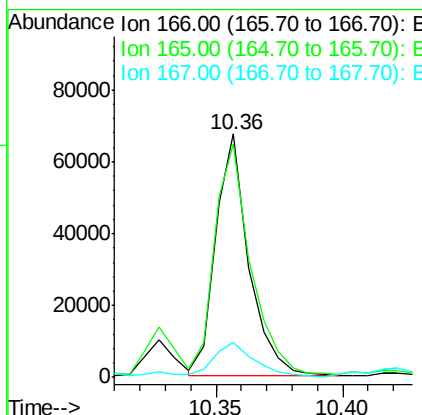
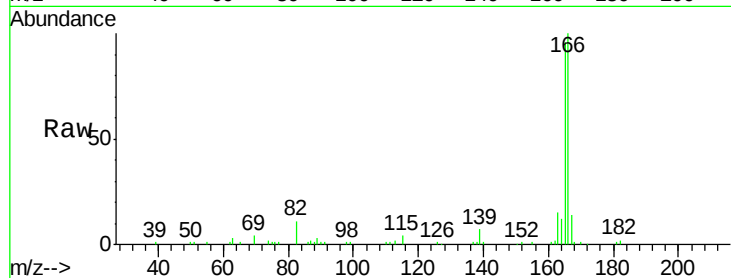
#57
Fluorene
Concen: 4.647 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.01 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Instrument :
BNA_F
ClientSampleId :
Q2-COMP-FILL

Tgt Ion:166 Resp: 61103
Ion Ratio Lower Upper
166 100
165 95.7 79.8 119.8
167 14.4 10.6 16.0

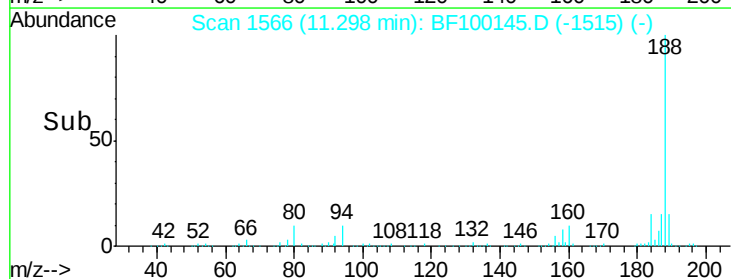
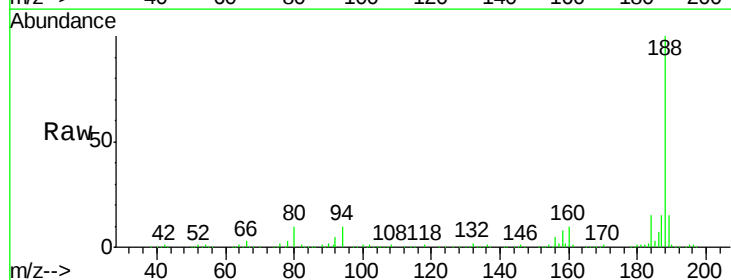
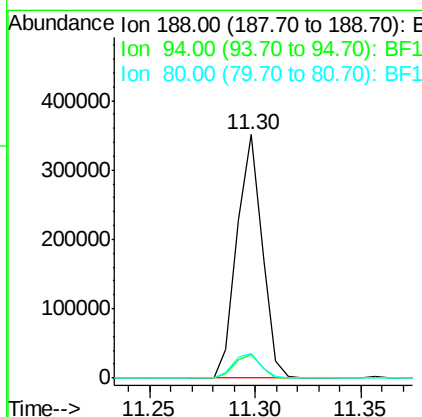
Manual Integrations
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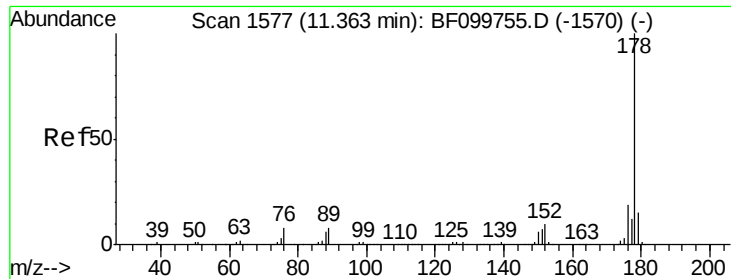
Sohil
11/4/2017 2:19:02 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Tgt Ion:188 Resp: 288960
Ion Ratio Lower Upper
188 100
94 9.9 8.5 12.7
80 10.0 9.2 13.8





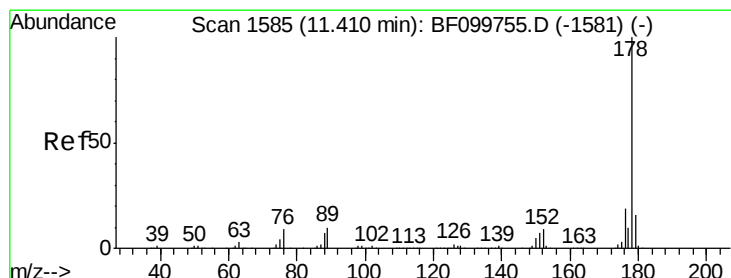
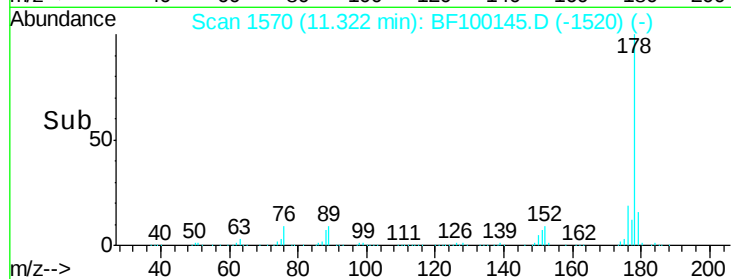
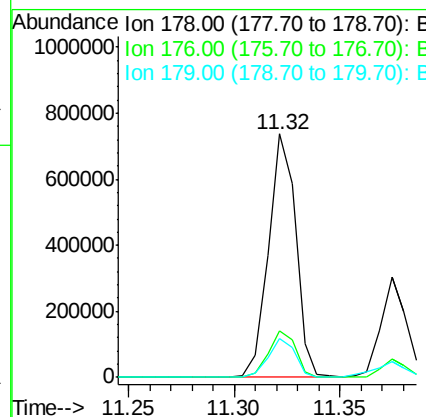
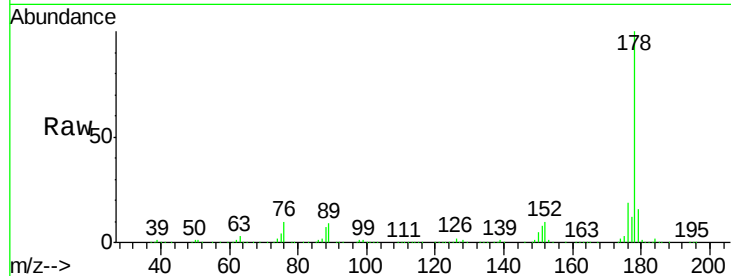
#70
Phenanthrene
Concen: 40.905 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Instrument :
BNA_F
ClientSampleId :
Q2-COMP-FILL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.7	13.0	19.6

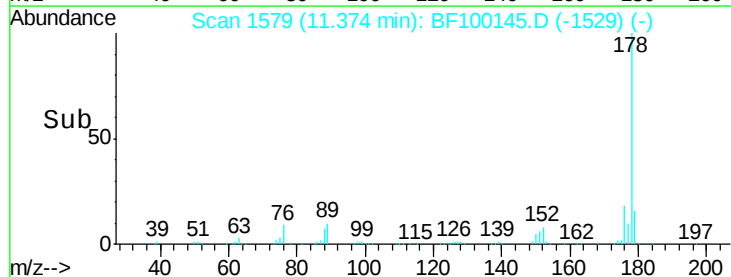
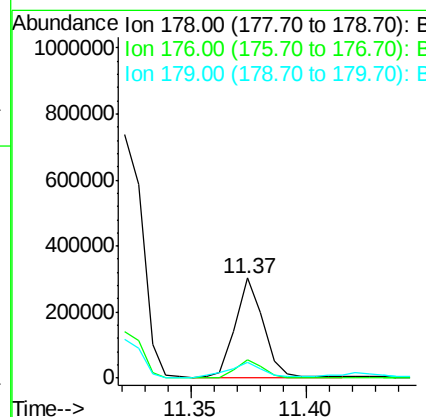
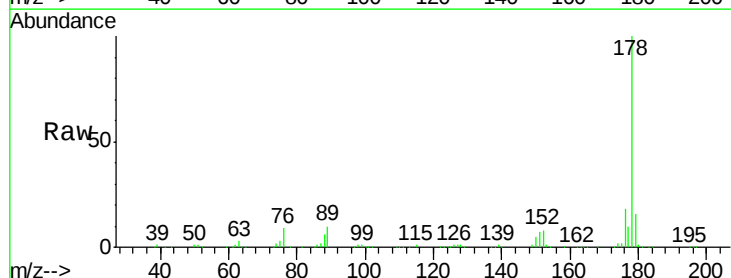
Manual Integrations
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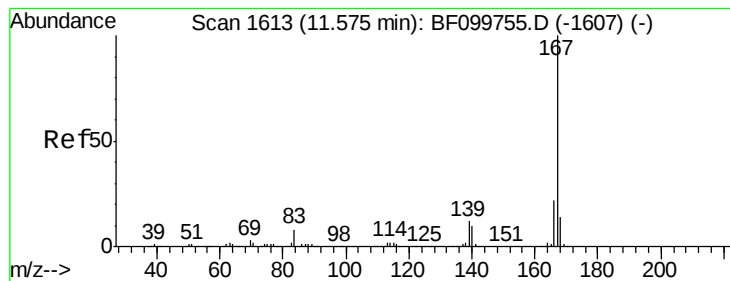
Sohil
11/4/2017 2:19:02 PM



#71
Anthracene
Concen: 15.295 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	16.2	12.6	19.0





#72

Carbazole

Concen: 3.621 ng

RT: 11.54 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BF100145.D

Acq: 3 Nov 2017 20:04

Instrument :

BNA_F

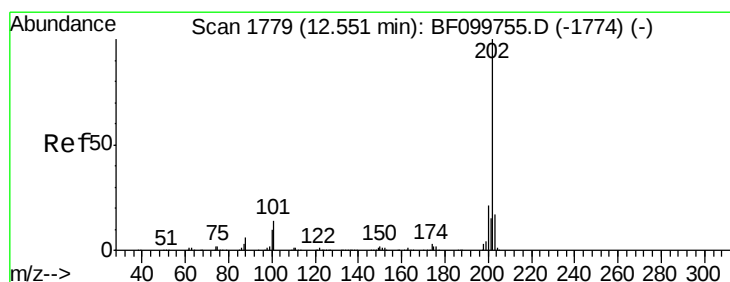
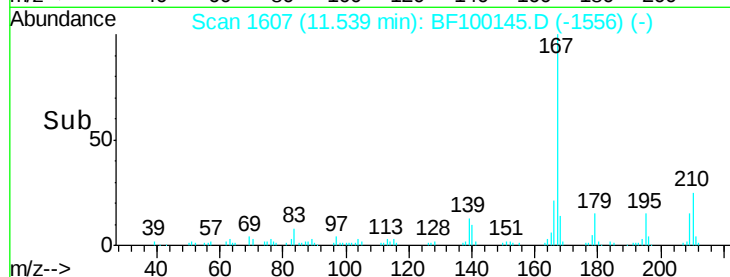
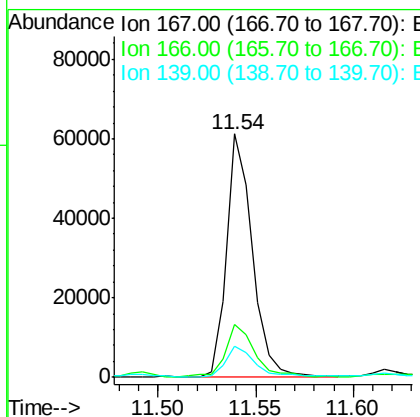
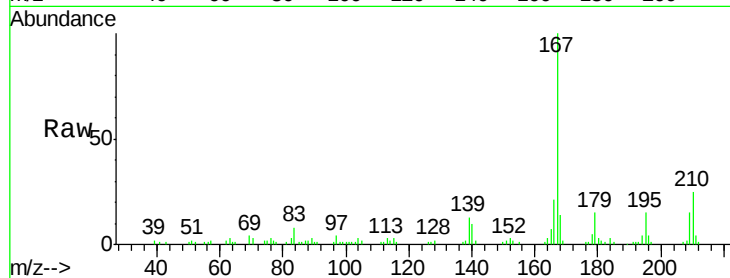
ClientSampleId :

Q2-COMP-FILL

Tgt Ion:	167	Resp:	56358
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.6	26.4
139	12.9	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 47.703 ng

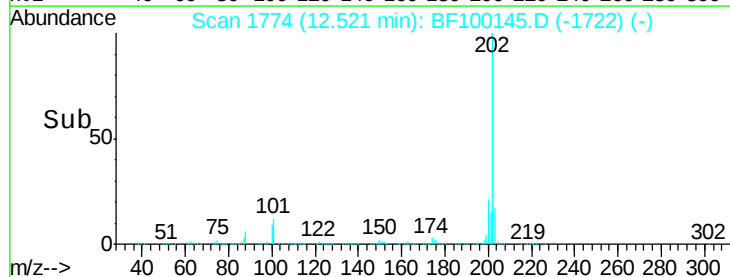
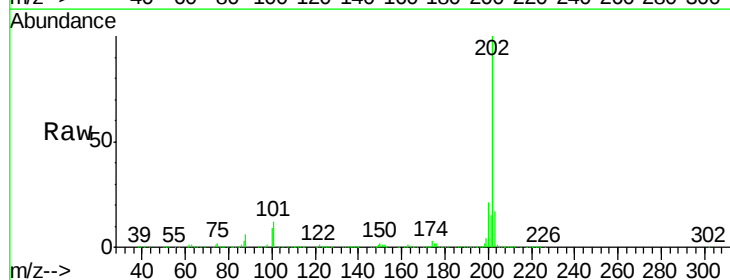
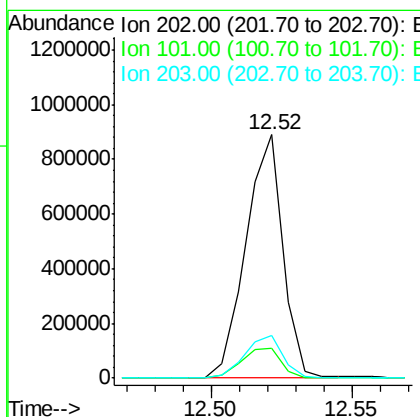
RT: 12.52 min Scan# 1774

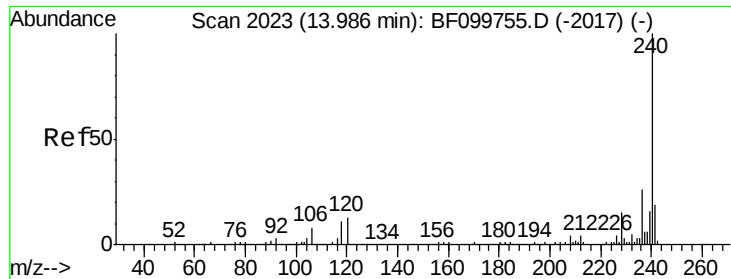
Delta R.T. 0.01 min

Lab File: BF100145.D

Acq: 3 Nov 2017 20:04

Tgt Ion:	202	Resp:	808432
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF100145.D

Acq: 3 Nov 2017 20:04

Instrument :

BNA_F

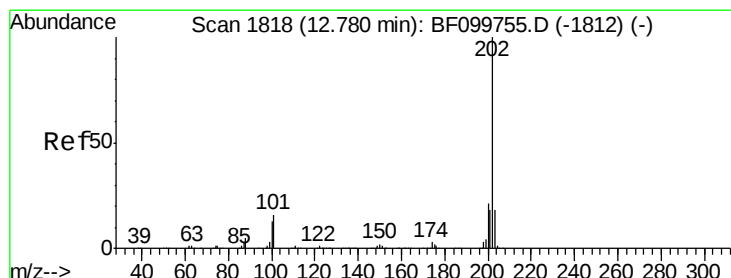
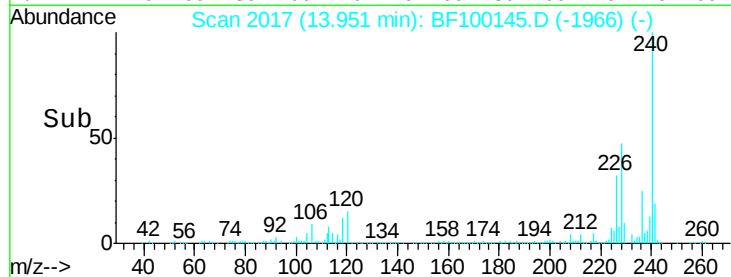
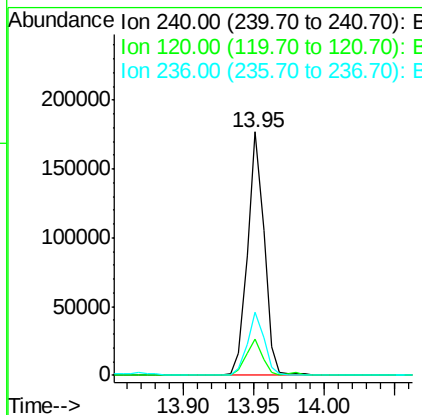
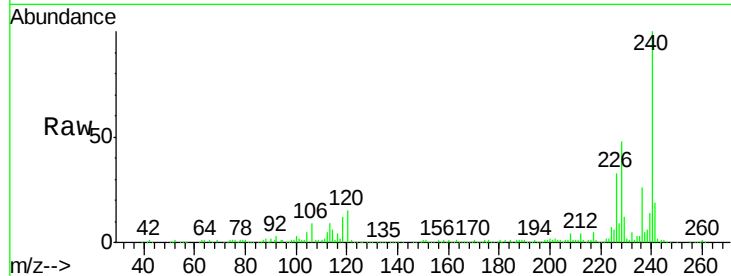
ClientSampleId :

Q2-COMP-FILL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	147045		
120	14.8	9.5	14.3#	
236	25.7	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 60.221 ng

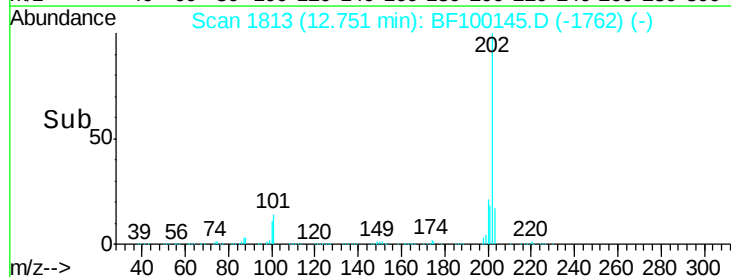
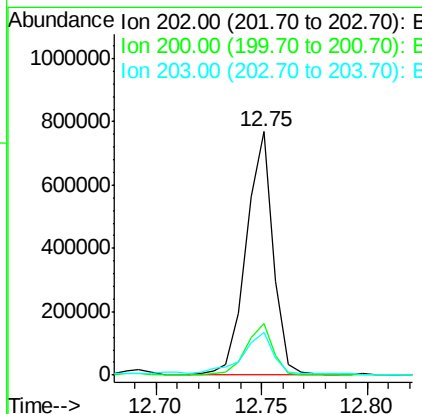
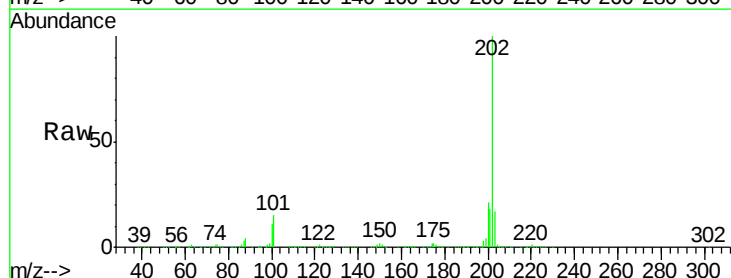
RT: 12.75 min Scan# 1813

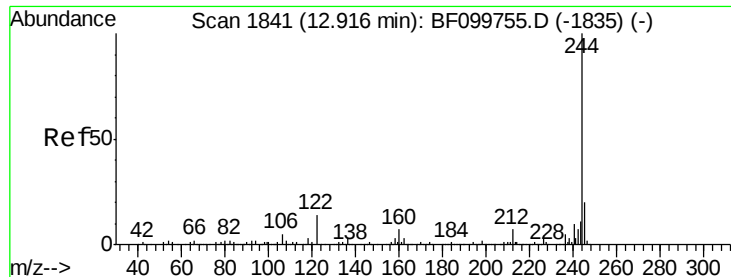
Delta R.T. 0.00 min

Lab File: BF100145.D

Acq: 3 Nov 2017 20:04

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	673338		
200	21.2	17.4	26.2	
203	17.4	14.3	21.5	





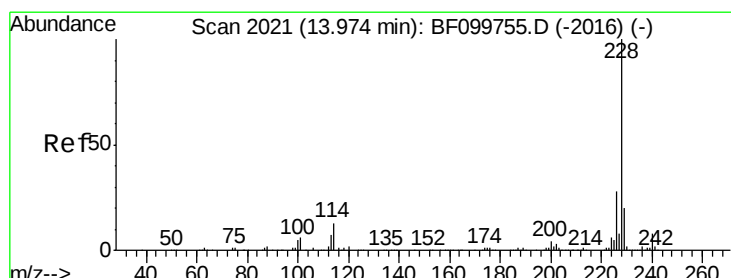
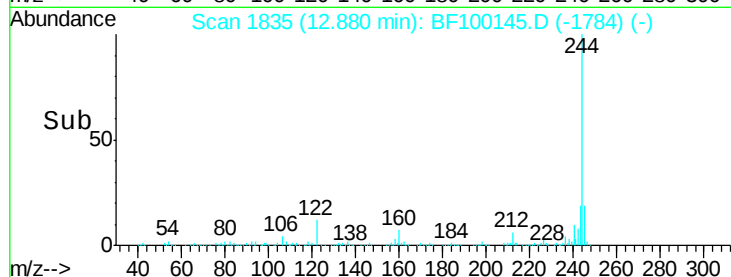
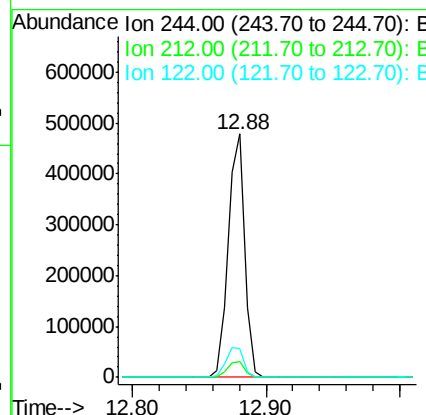
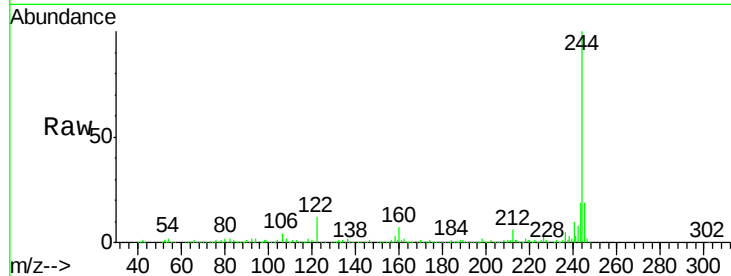
#78
 Terphenyl-d14
 Concen: 62.167 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: BF100145.D
 Acq: 3 Nov 2017 20:04

Instrument :
 BNA_F
 ClientSampleId :
 Q2-COMP-FILL

Tgt Ion:244 Resp: 418295
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.4 8.0
 122 11.7 11.0 16.4

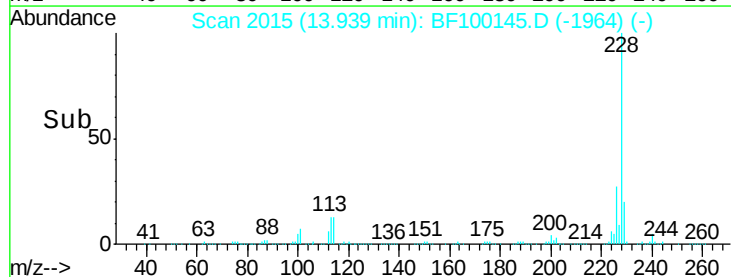
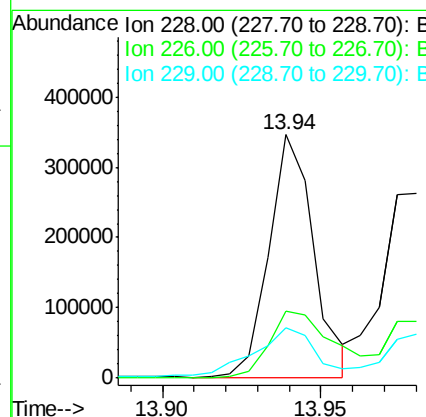
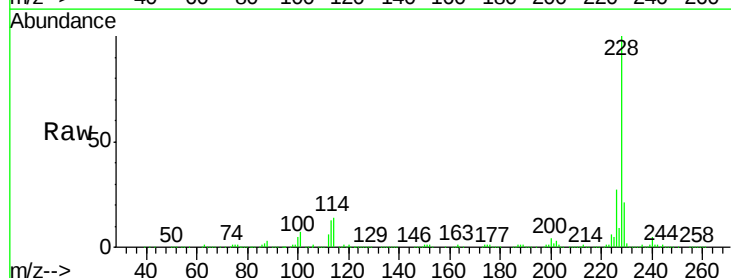
Manual Integrations
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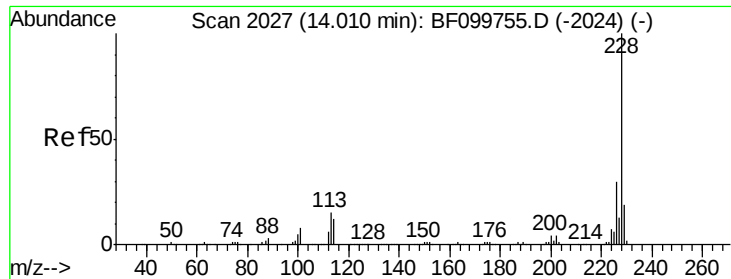
Sohil
 11/4/2017 2:19:02 PM



#80
 Benzo(a)anthracene
 Concen: 36.414 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: BF100145.D
 Acq: 3 Nov 2017 20:04

Tgt Ion:228 Resp: 339442
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.6 33.8
 229 20.9 15.8 23.6





#82

Chrysene

Concen: 31.191 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF100145.D

Acq: 3 Nov 2017 20:04

Instrument :

BNA_F

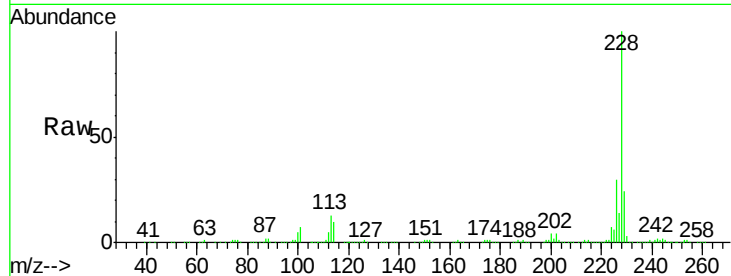
ClientSampleId :

Q2-COMP-FILL

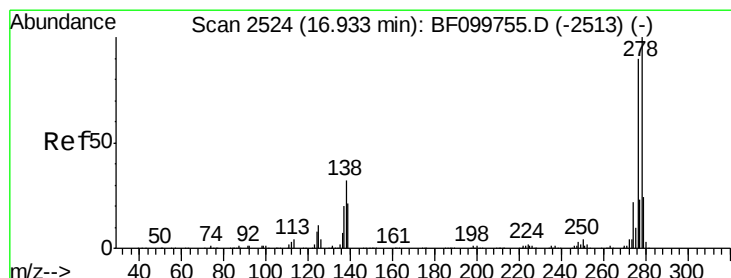
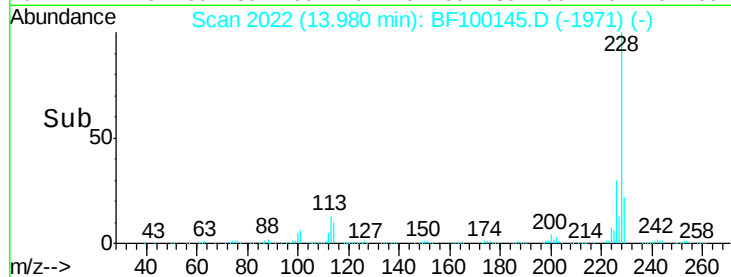
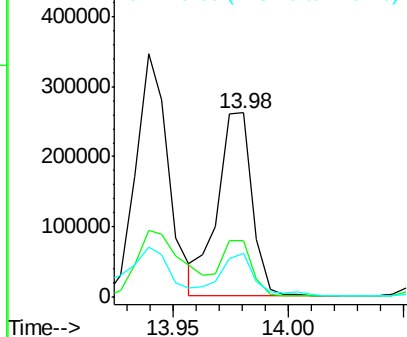
Tgt Ion:	228	Resp:	273343
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	23.7	16.2	24.4

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 16.167 ng

RT: 16.89 min Scan# 2516

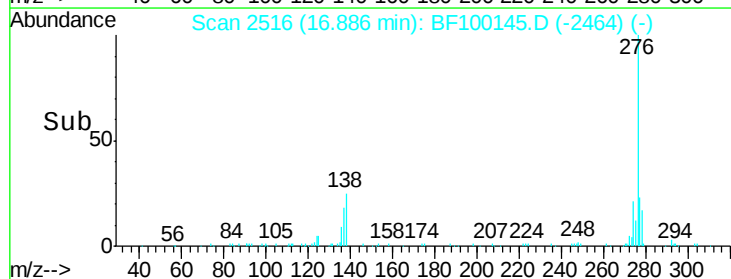
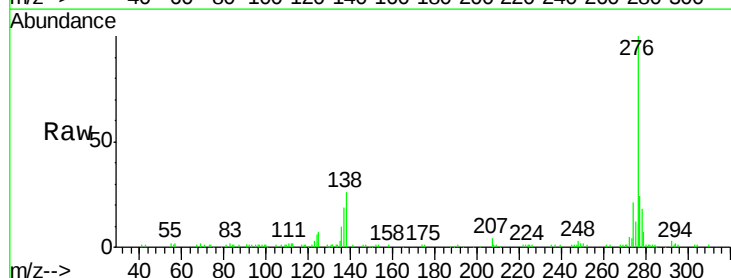
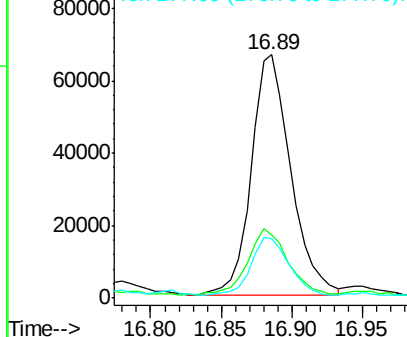
Delta R.T. 0.01 min

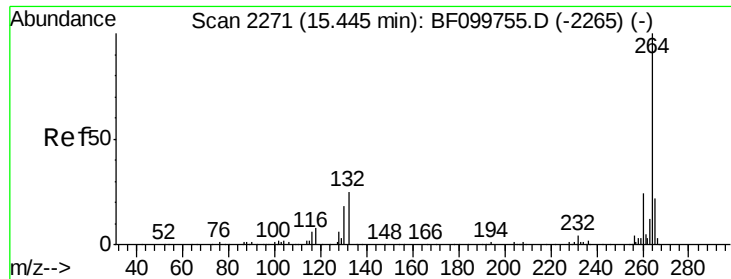
Lab File: BF100145.D

Acq: 3 Nov 2017 20:04

Tgt Ion:	276	Resp:	130064
Ion Ratio	Lower	Upper	
276	100		
138	27.7	25.0	37.6
277	23.7	20.1	30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





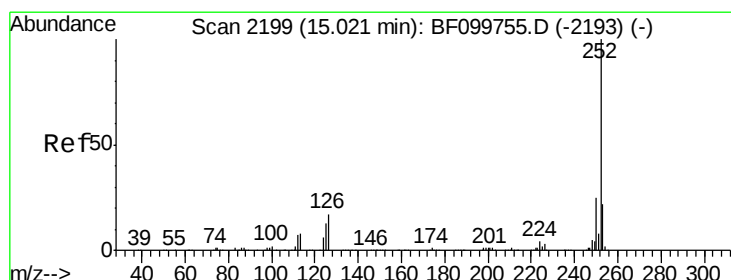
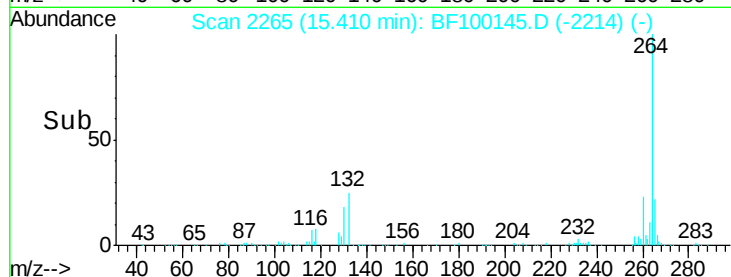
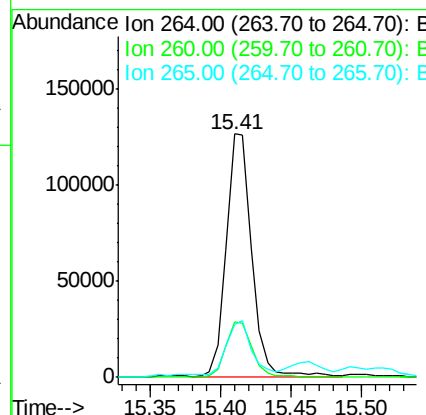
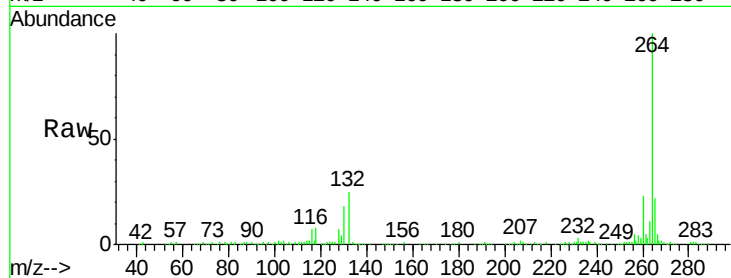
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Instrument :
BNA_F
ClientSampleId :
Q2-COMP-FILL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.8	17.5	26.3

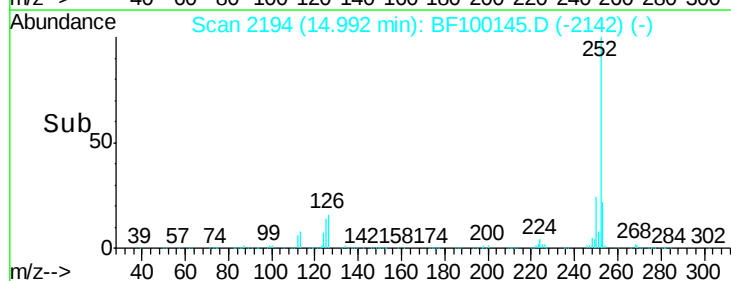
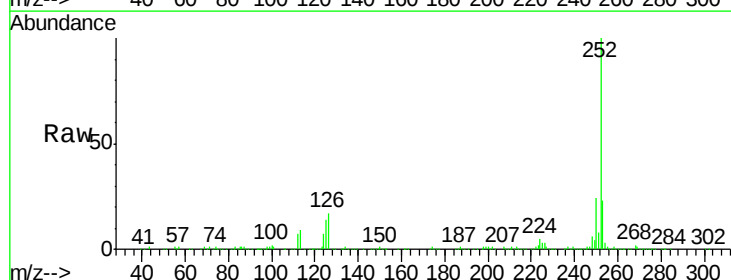
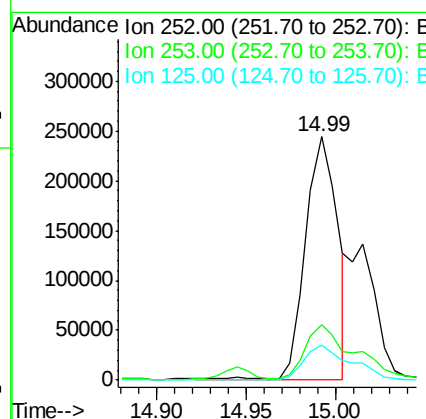
Manual Integrations
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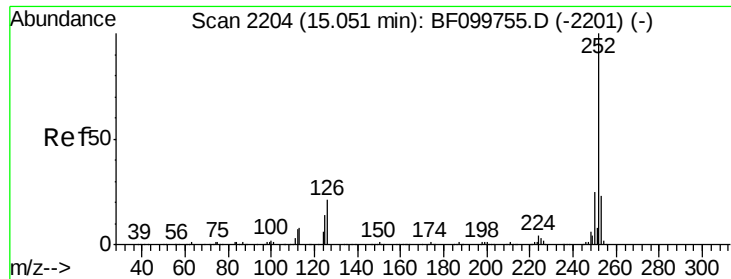
Sohil
11/4/2017 2:19:02 PM



#87
Benzo(b)fluoranthene
Concen: 31.140 ng m
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	14.4	9.0	13.6#





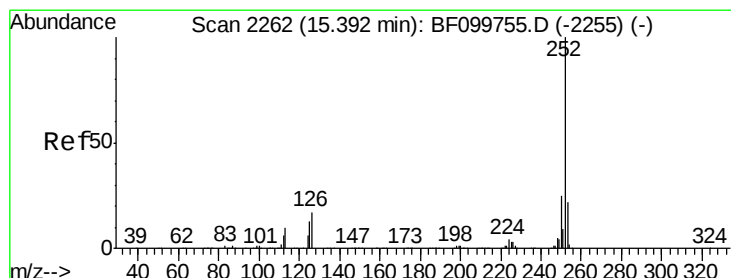
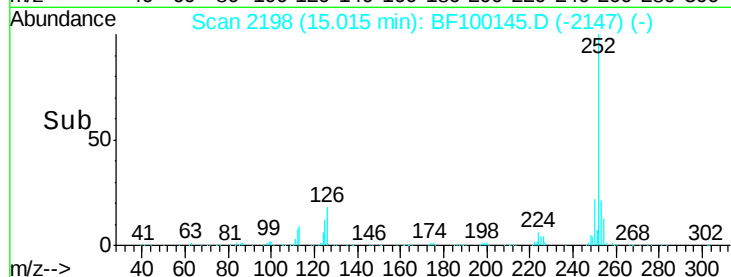
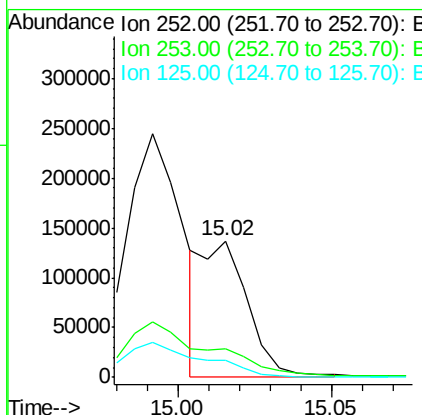
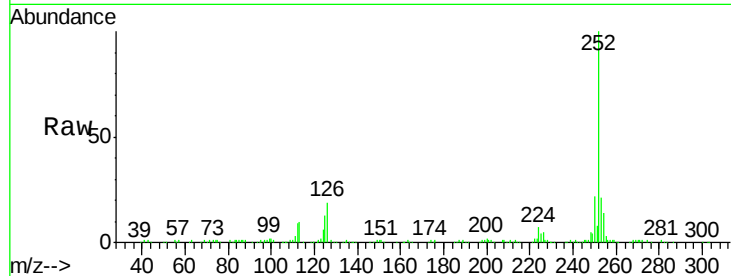
#88
Benzo(k)fluoranthene
Concen: 15.069 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Instrument :
BNA_F
ClientSampleId :
Q2-COMP-FILL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	12.6	10.2	15.2

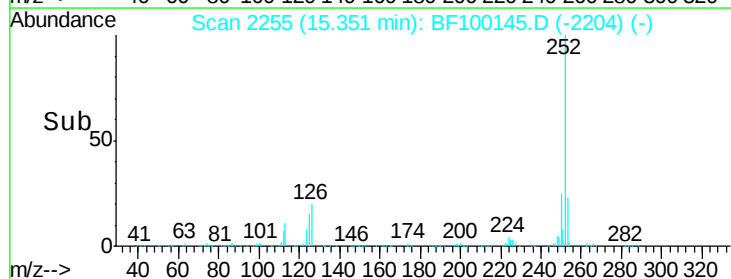
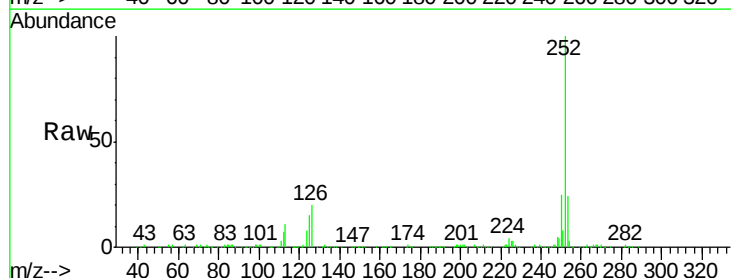
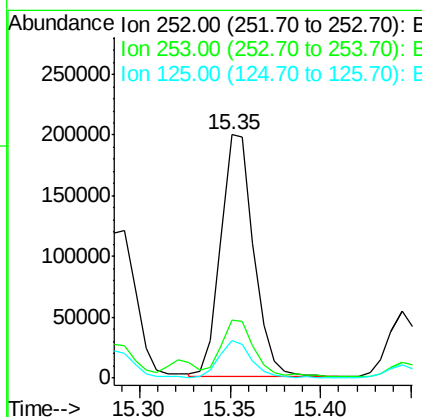
Manual Integrations
APPROVED

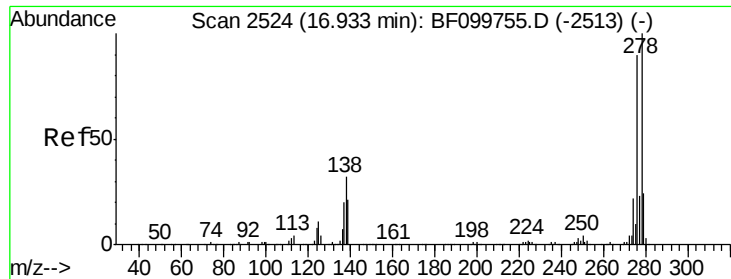
Sohil
11/4/2017 2:19:02 PM



#89
Benzo(a)pyrene
Concen: 28.445 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.00 min
Lab File: BF100145.D
Acq: 3 Nov 2017 20:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	15.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.686 ng m

RT: 16.87 min Scan# 2514

Delta R.T. 0.00 min

Lab File: BF100145.D

Acq: 3 Nov 2017 20:04

Instrument :

BNA_F

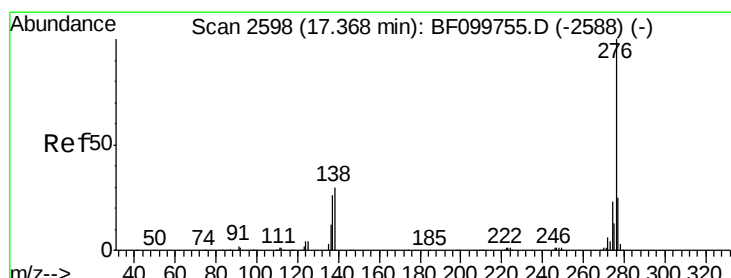
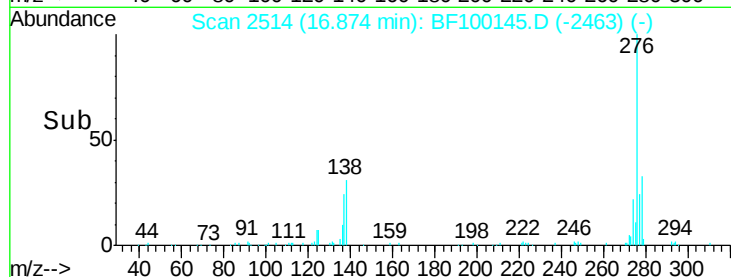
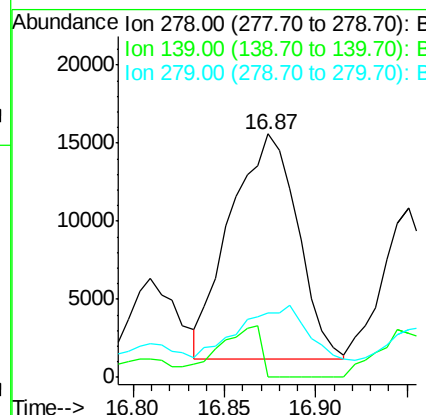
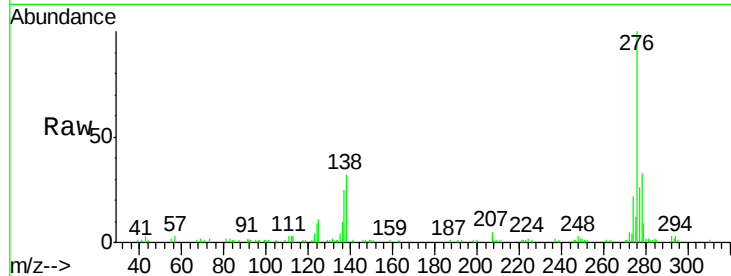
ClientSampleId :

Q2-COMP-FILL

Tgt Ion:	278	Resp:	37077
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	26.7	19.0	28.4

Manual Integrations
APPROVED

Sohil
11/4/2017 2:19:02 PM



#91

Benzo(g,h,i)perylene

Concen: 13.476 ng

RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BF100145.D

Acq: 3 Nov 2017 20:04

Tgt Ion:	276	Resp:	104323
Ion Ratio	Lower	Upper	
276	100		
277	26.0	17.9	26.9
138	29.6	21.8	32.8

