

Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
 Data File : BF099967.D
 Acq On : 30 Oct 2017 18:37
 Operator : SJ/JU
 Sample : I6171-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102617-E

Manual Integrations
 APPROVED

Sohil
 10/31/2017 7:41:10 PM

Quant Time: Oct 31 02:59:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	96686	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	380510	20.00	ng	-0.01
38) Acenaphthene-d10	9.83	164	164833	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	265759	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	169744	20.00	ng	0.00
86) Perylene-d12	15.47	264	162446	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	334435	54.30	ng	-0.01
7) Phenol-d6	6.43	99	419348	57.43	ng	-0.01
23) Nitrobenzene-d5	7.36	82	233317	39.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	84265	56.10	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	504941	47.26	ng	-0.01
78) Terphenyl-d14	12.91	244	356193	45.86	ng	-0.01
Target Compounds						
10) Phenol	6.45	94	22785	2.842	ng	Qvalue 85
31) Naphthalene	8.09	128	67270	3.662	ng	97
37) 2-Methylnaphthalene	8.79	142	51792	4.208	ng	96
48) Acenaphthylene	9.69	152	192259	11.527	ng	99
49) Dimethylphthalate	9.54	163	86639	6.637	ng	99
51) Acenaphthene	9.86	154	64077	6.287	ng	99
54) Dibenzofuran	10.03	168	79149	5.502	ng	97
55) 4-Nitrophenol	10.03	139	28332	16.770	ng	# 12
57) Fluorene	10.37	166	144390	12.122	ng	99
70) Phenanthrene	11.35	178	918550	61.245	ng	98
71) Anthracene	11.40	178	350482	23.022	ng	99
72) Carbazole	11.56	167	80791	5.643	ng	98
74) Fluoranthene	12.55	202	1352107	86.749	ng	99
77) Pyrene	12.78	202	1214827	94.120	ng	100
80) Benzo(a)anthracene	13.97	228	653407	60.722	ng	99
82) Chrysene	14.02	228	545822	53.954	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	302959	32.622	ng	95
87) Benzo(b)fluoranthene	15.05	252	814323m	79.387	ng	
88) Benzo(k)fluoranthene	15.07	252	213799m	22.103	ng	
89) Benzo(a)pyrene	15.42	252	542954	58.925	ng	97
90) Dibenzo(a,h)anthracene	16.97	278	66827m	8.162	ng	
91) Benzo(g,h,i)perylene	17.43	276	265031	33.086	ng	96

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

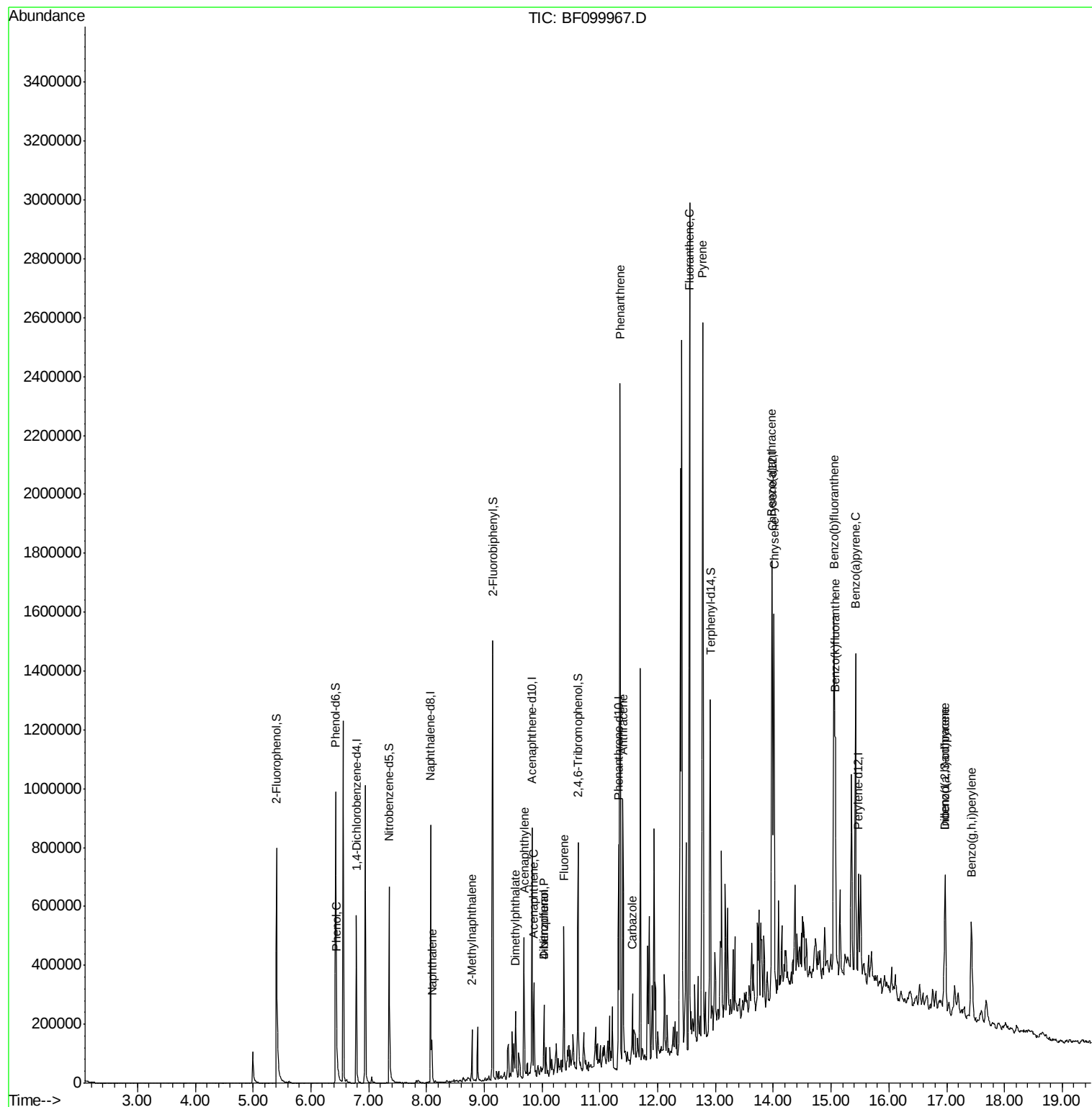
Data Path : Z:\HPCHEM1\BNA F\DATA\BF103017\
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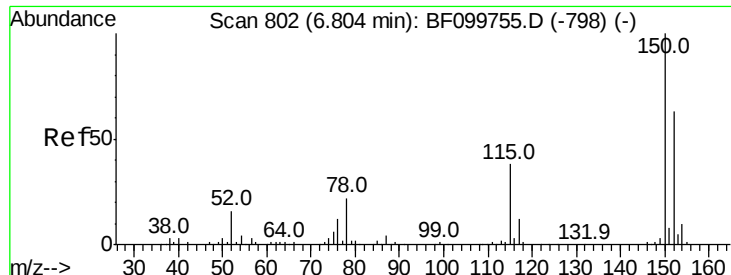
Instrument :
BNA_F
ClientSampleId :
CL-01-102617-E

Manual Integrations
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Quant Time: Oct 31 02:59:41 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 27 15:58:57 2017
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#1

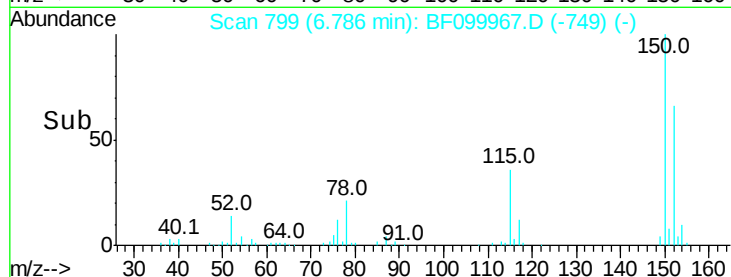
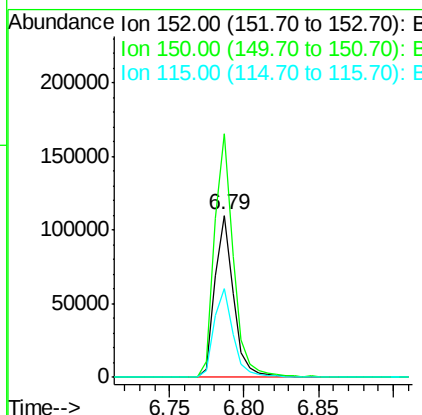
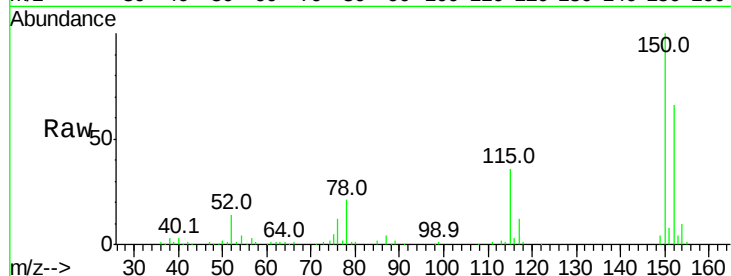
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.4	124.6	186.8
115	54.6	50.1	75.1

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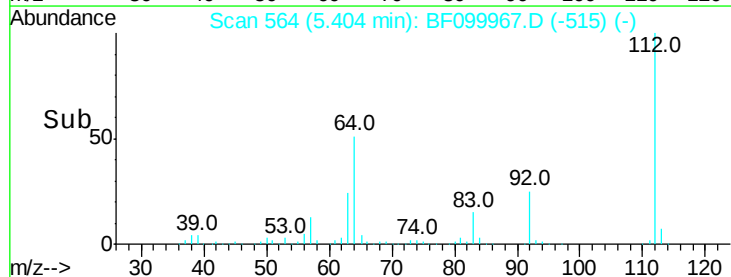
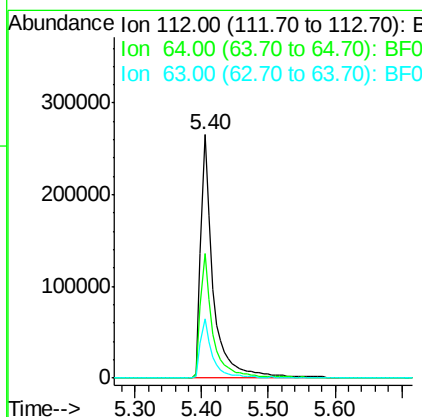
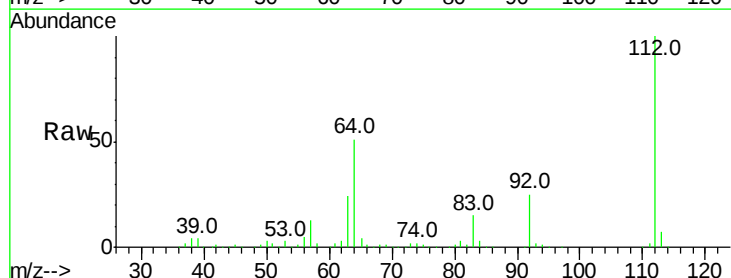
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#5

2-Fluorophenol
Concen: 54.305 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.0	47.9	71.9
63	24.5	23.7	35.5





#7

Phenol-d6

Concen: 57.427 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF099967.D

Acq: 30 Oct 2017 18:37

Instrument :

BNA_F

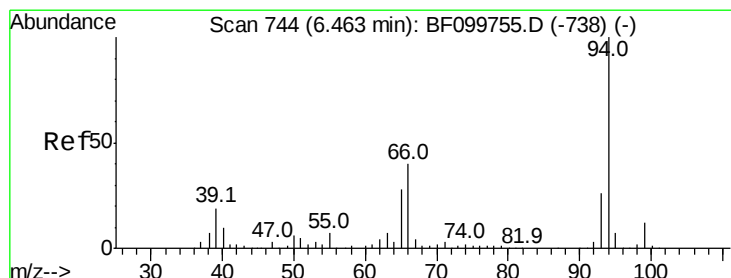
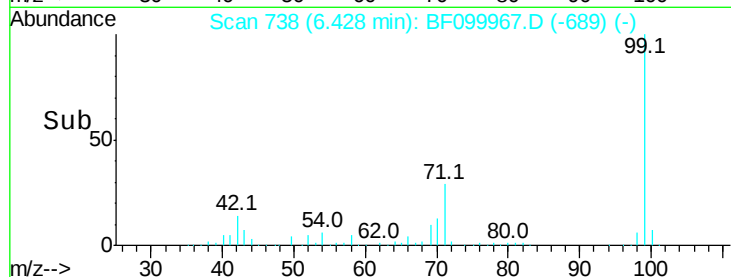
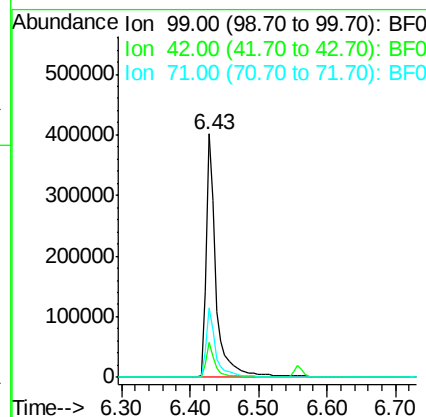
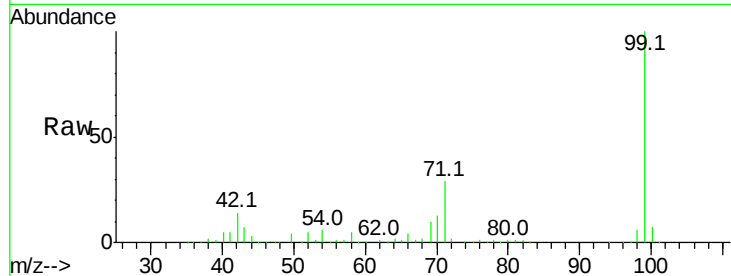
ClientSampleId :

CL-01-102617-E

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		419348		
42	14.2	14.5	21.7#		
71	28.6	25.4	38.0		

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#10

Phenol

Concen: 2.842 ng

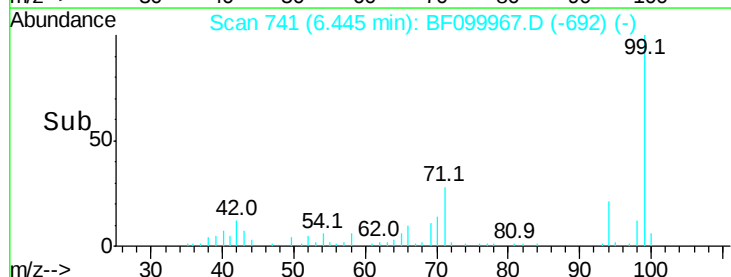
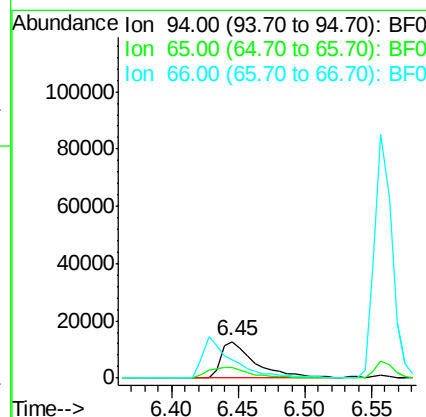
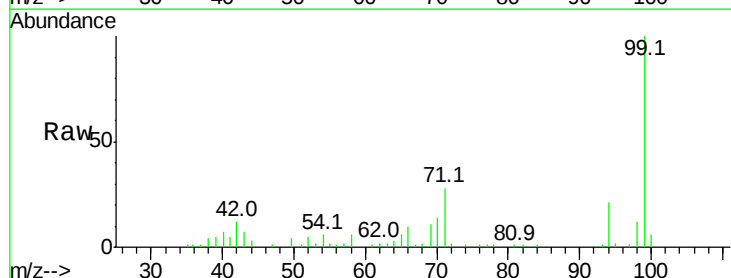
RT: 6.45 min Scan# 741

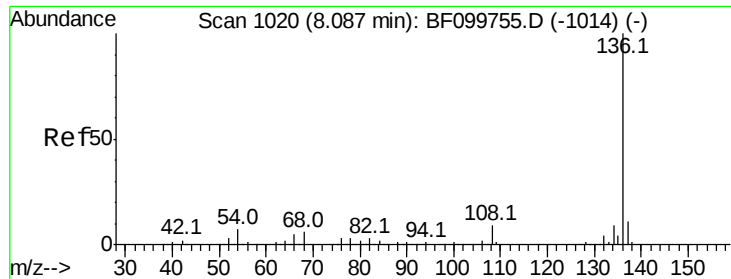
Delta R.T. -0.01 min

Lab File: BF099967.D

Acq: 30 Oct 2017 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		22785		
65	30.4	7.9	47.9		
66	49.4	16.2	56.2		





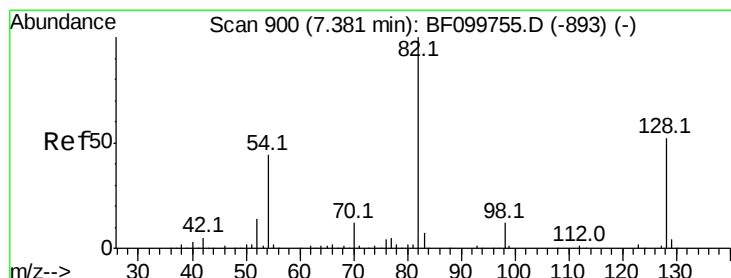
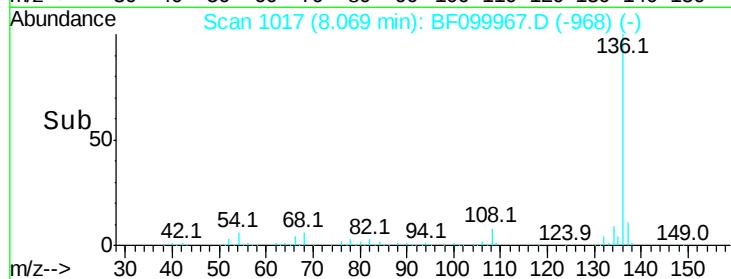
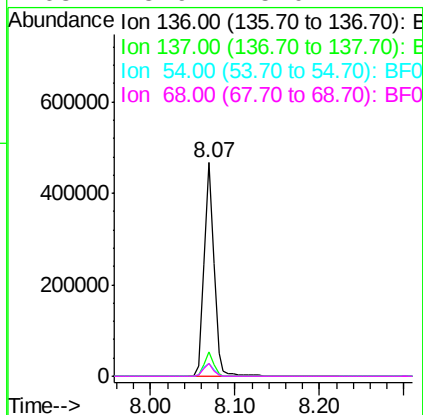
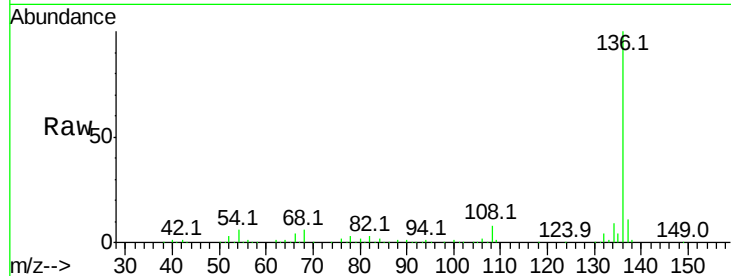
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Instrument :
BNA_F
ClientSampled :
CL-01-102617-E

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	6.3	6.6	9.8	
68	5.9	5.0	7.4	

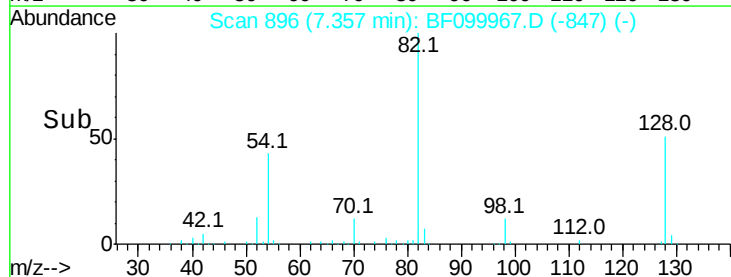
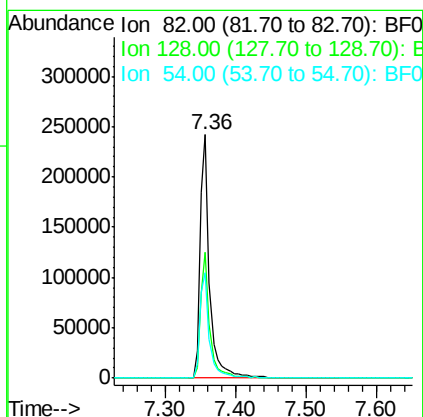
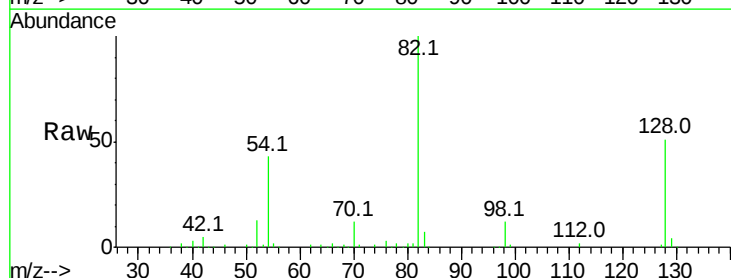
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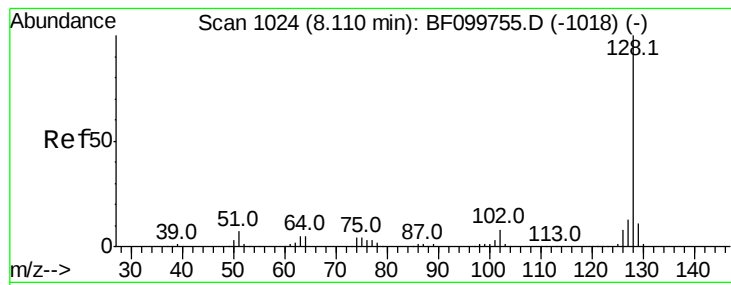
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#23
Nitrobenzene-d5
Concen: 39.476 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	51.4	36.1	54.1	
54	43.3	41.4	62.2	





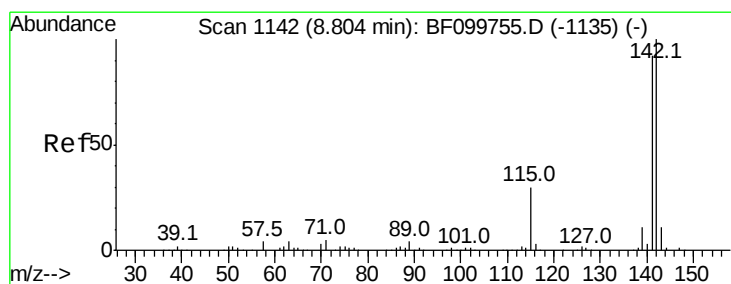
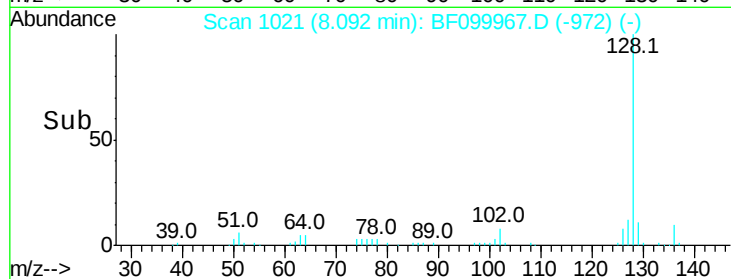
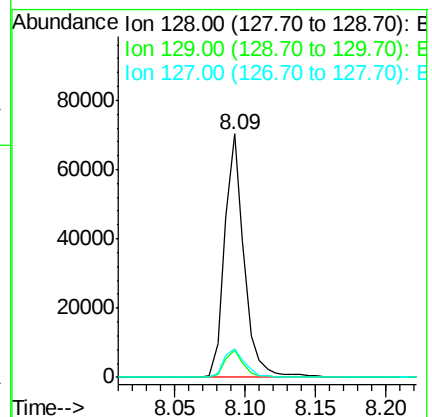
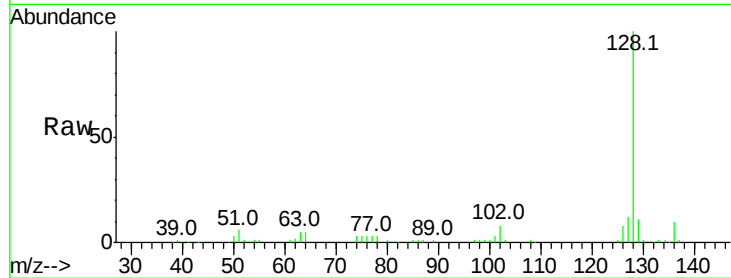
#31
Naphthalene
Concen: 3.662 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-E

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	11.9	10.9	16.3

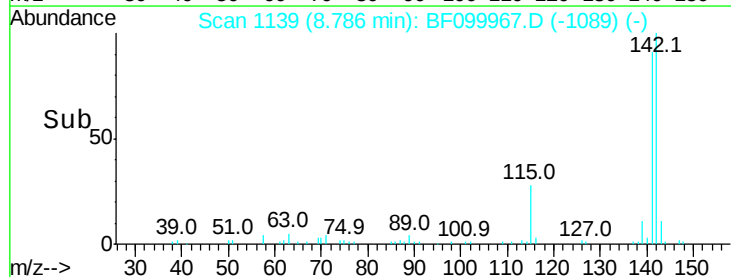
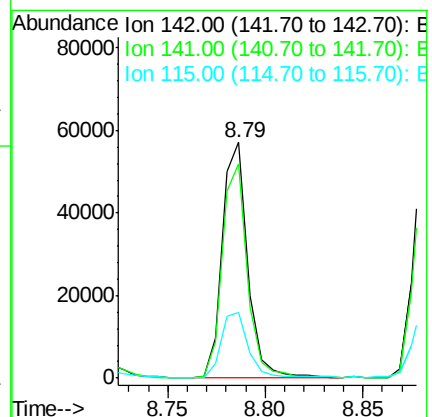
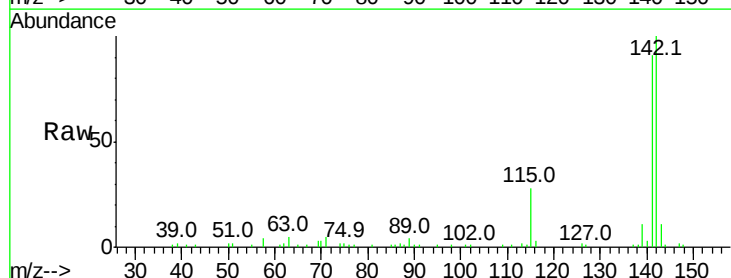
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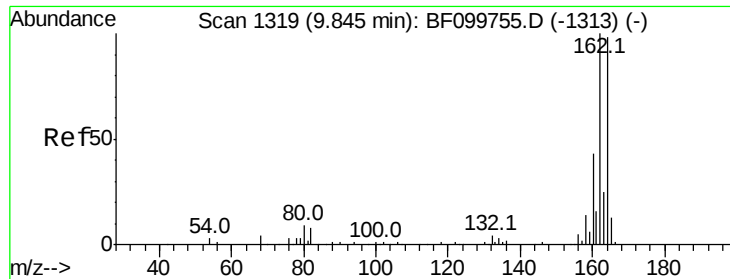
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#37
2-Methylnaphthalene
Concen: 4.208 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	70.8	106.2
115	28.1	26.1	39.1





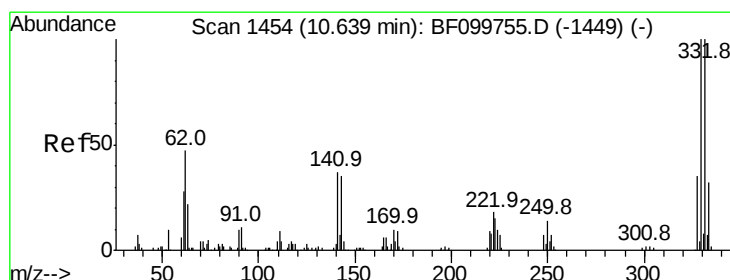
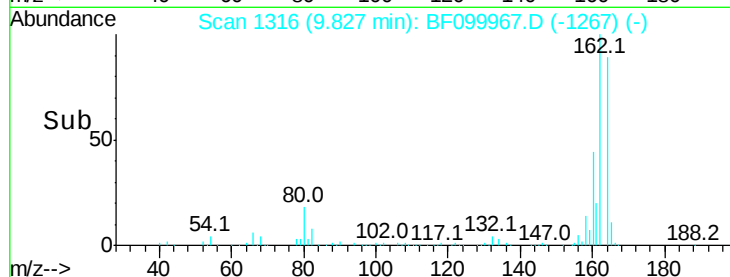
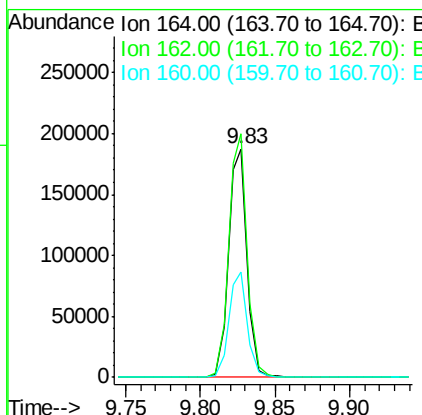
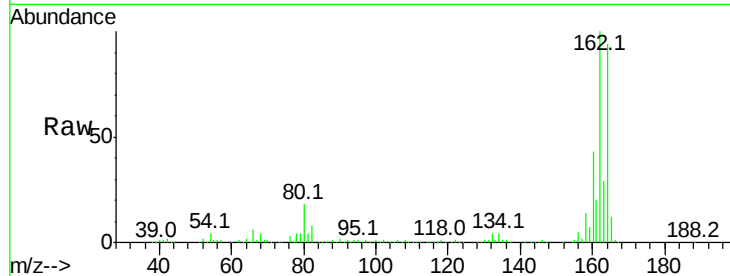
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF099967.D
 Acq: 30 Oct 2017 18:37

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102617-E

Tot Ion	Ratio	Resp	Lower	Upper
164	100	164833		
162	106.6	86.1	129.1	
160	46.2	38.3	57.5	

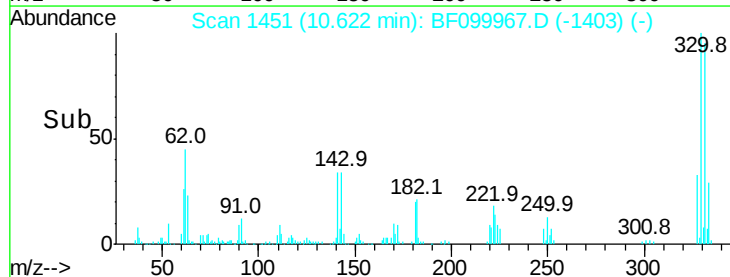
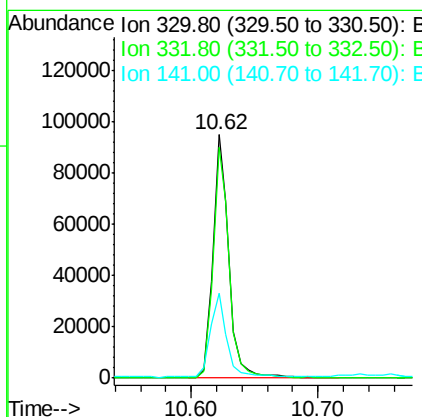
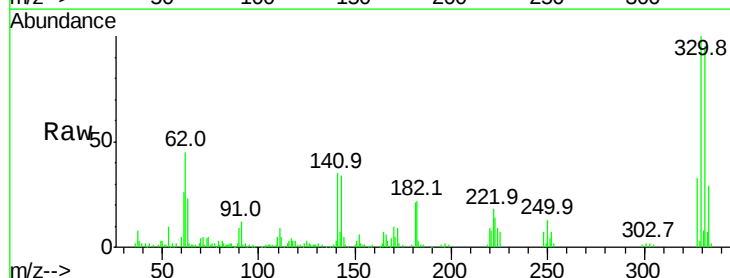
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#41
 2,4,6-Tribromophenol
 Concen: 56.096 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.02 min
 Lab File: BF099967.D
 Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	84265		
332	95.3	77.0	115.6	
141	34.7	29.9	44.9	





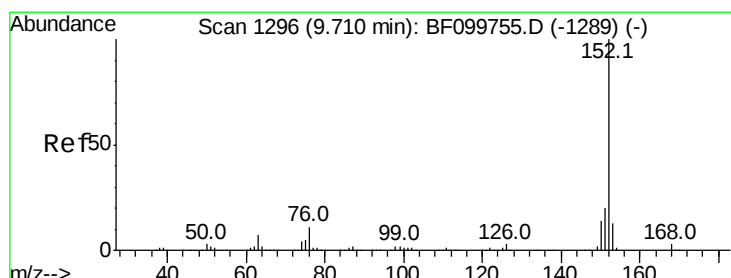
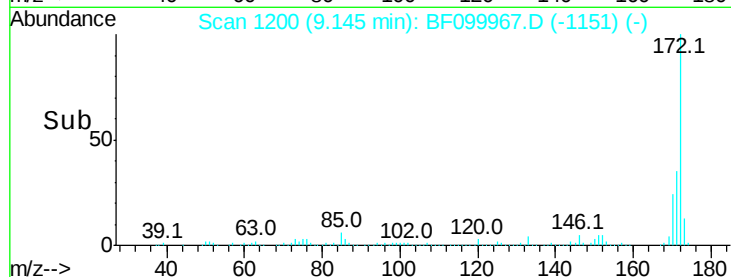
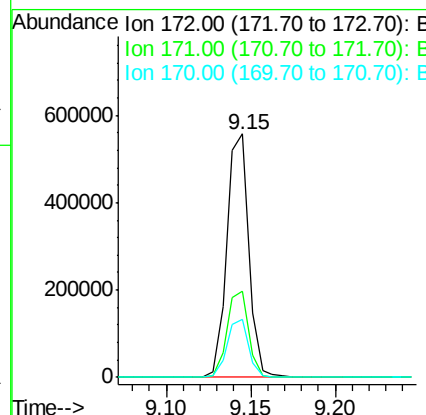
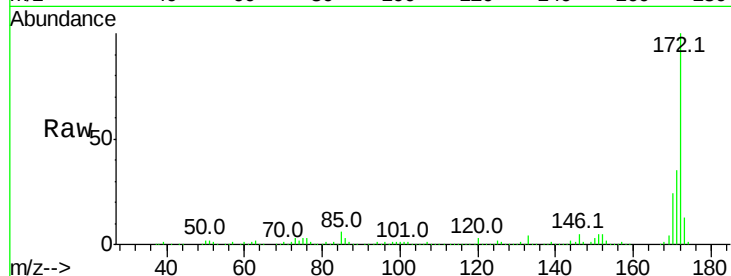
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2-Fluorobiphenyl
Concen: 47.263 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Instrument :
BNA_F
ClientSampled :
CL-01-102617-E

Tot Ion	Ratio	Resp	Lower	Upper
172	100	504941		
171	35.5		29.7	44.5
170	23.6		19.6	29.4

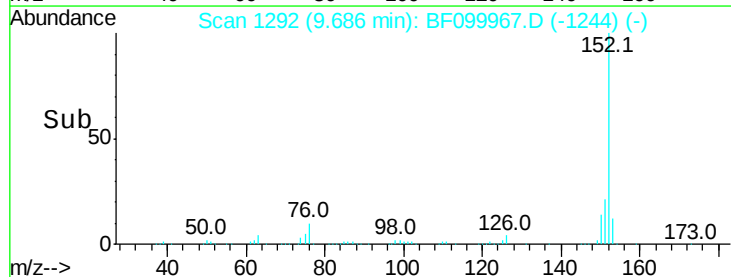
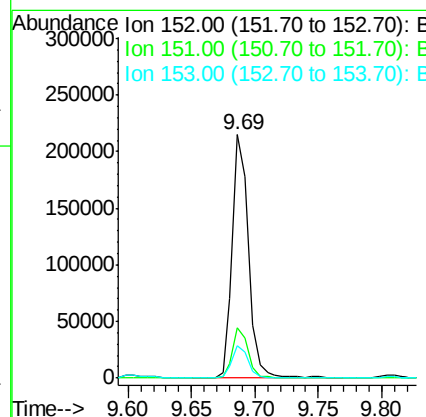
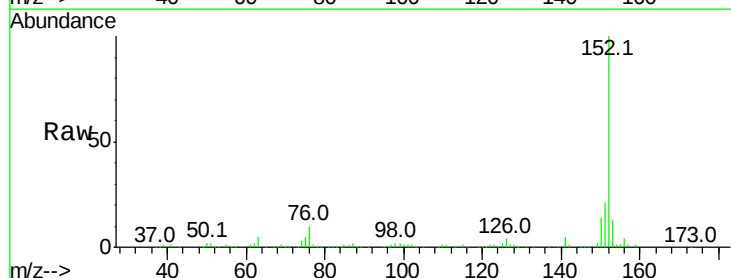
Manual Integrations
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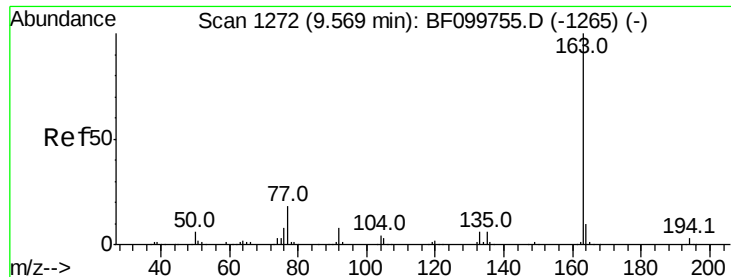
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#48
Acenaphthylene
Concen: 11.527 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	192259		
151	20.8		16.3	24.5
153	13.3		10.7	16.1





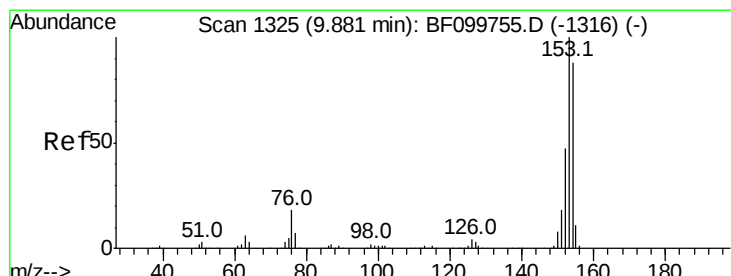
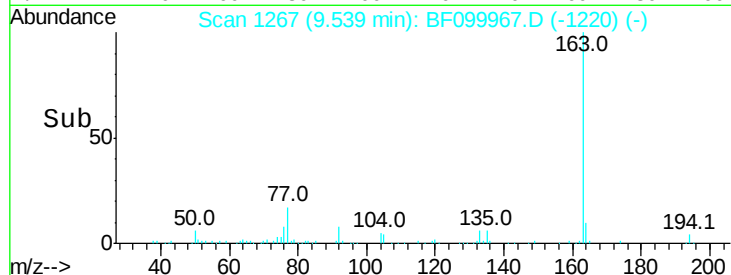
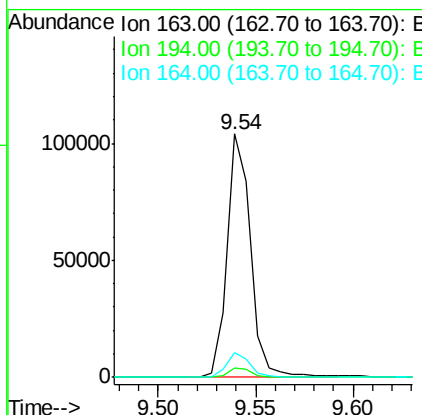
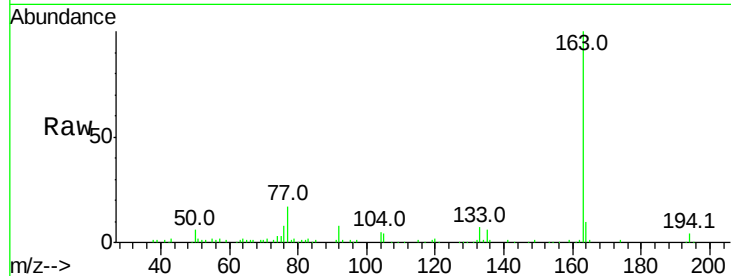
#49
Dimethylphthalate
Concen: 6.637 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-E

Tot Ion	Ratio	Resp	Lower	Upper
163	100	86639		
194	3.8		2.7	4.1
164	10.4		8.2	12.2

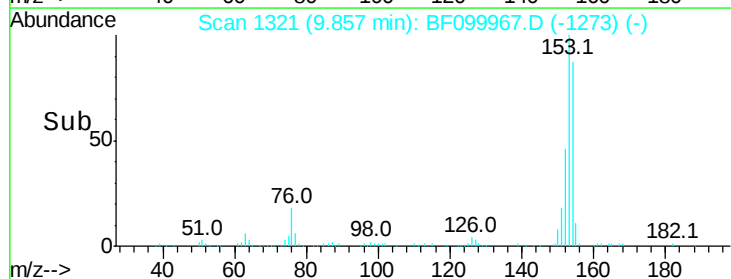
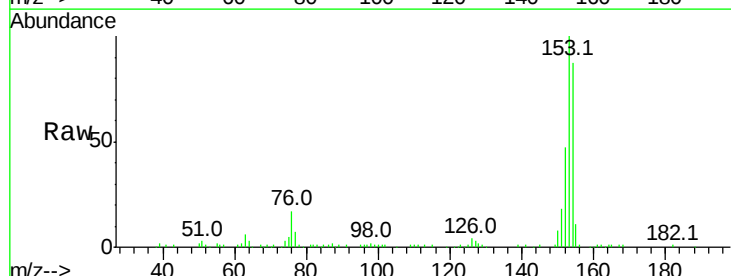
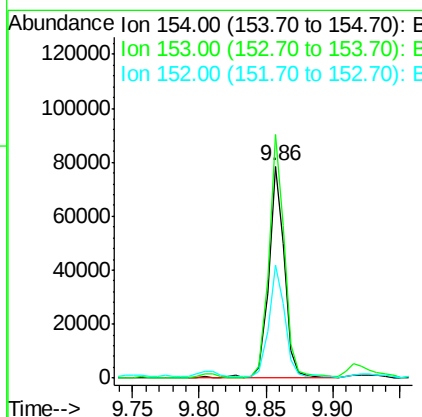
Manual Integrations
APPROVED

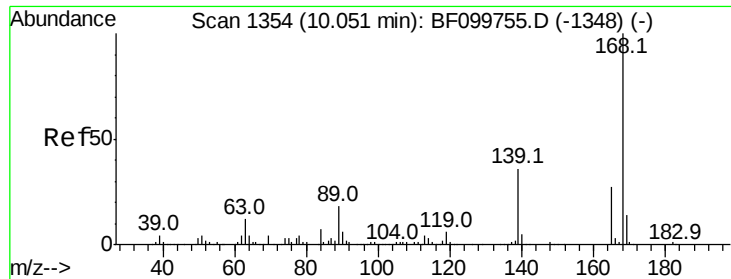
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#51
Acenaphthene
Concen: 6.287 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.02 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	64077		
153	115.0		91.2	136.8
152	53.6		43.8	65.8





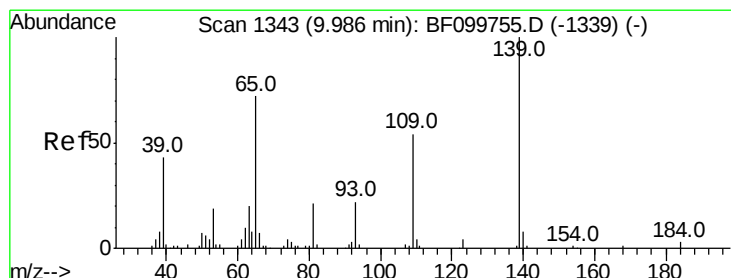
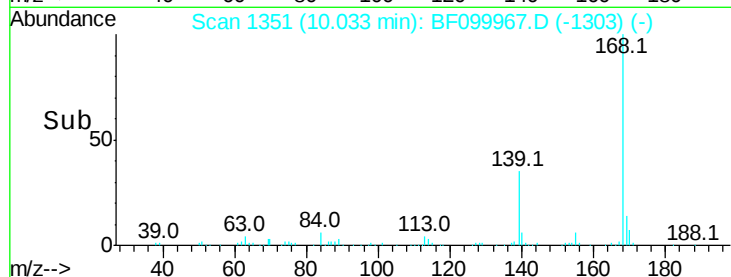
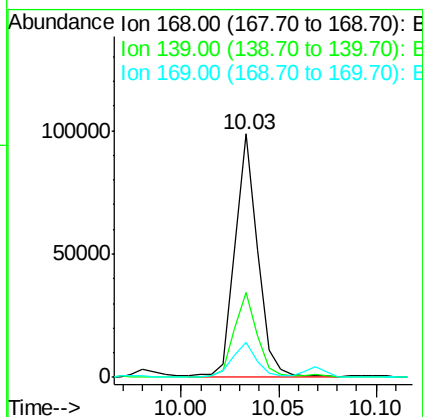
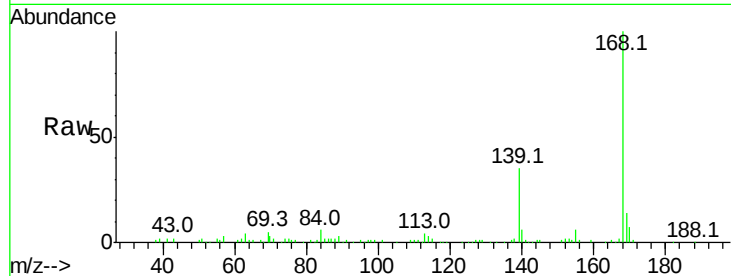
#54
Dibenzofuran
Concen: 5.502 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.02 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-E

Tot Ion	Ratio	Resp	Lower	Upper
168	100	79149		
139	35.1		30.1	45.1
169	14.2		10.9	16.3

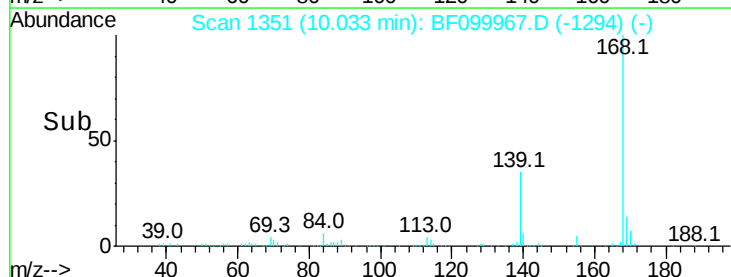
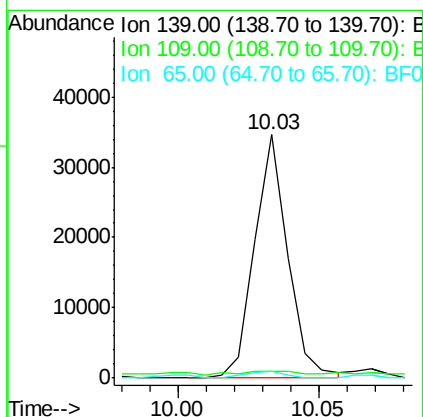
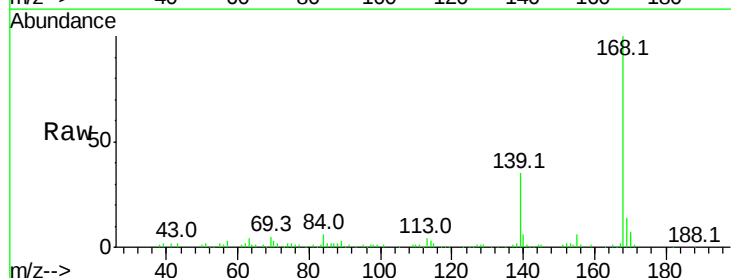
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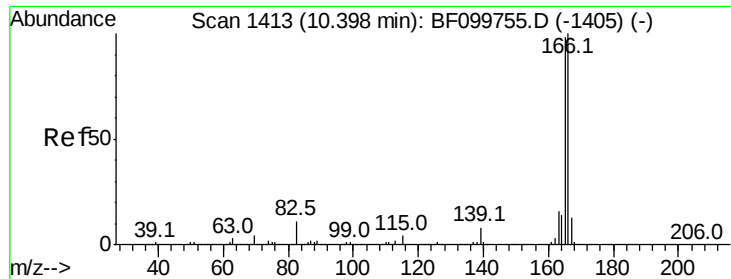
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#55
4-Nitrophenol
Concen: 16.770 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.04 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	28332		
109	2.7		48.4	88.4#
65	2.8		72.6	112.6#





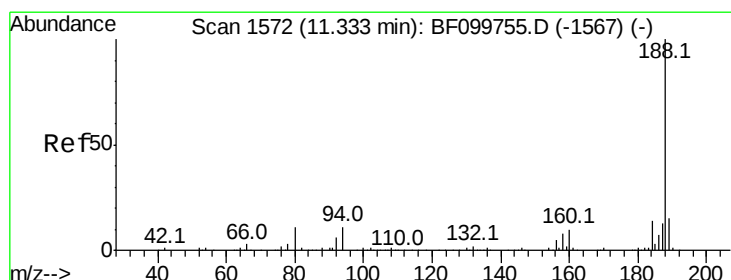
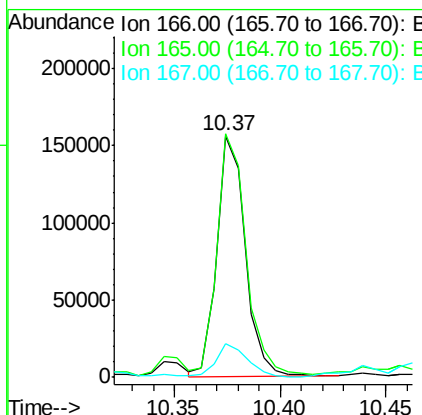
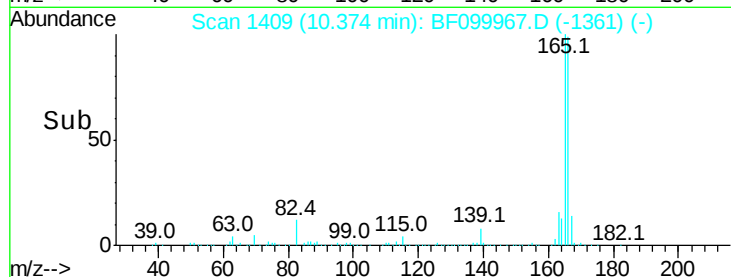
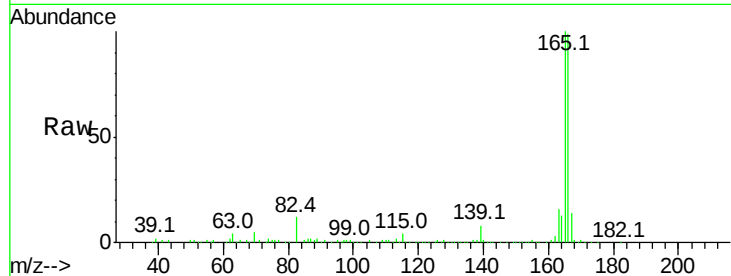
#57
 Fluorene
 Concen: 12.122 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. -0.02 min
 Lab File: BF099967.D
 Acq: 30 Oct 2017 18:37

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102617-E

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.8	79.8	119.8
167	13.9	10.6	16.0

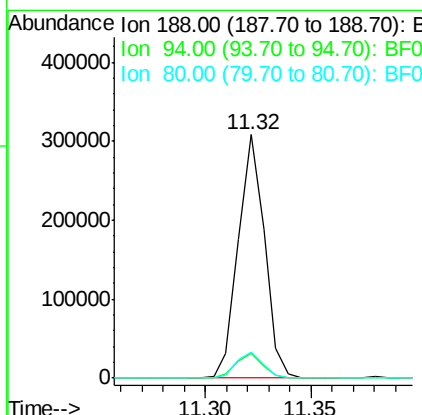
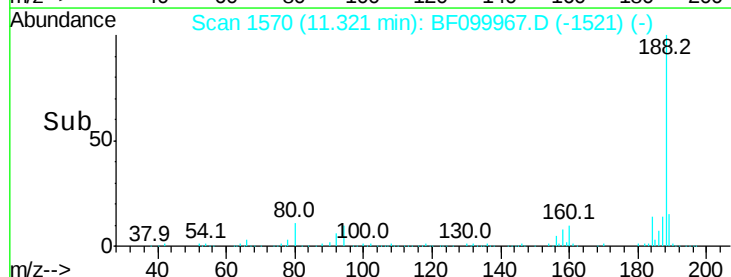
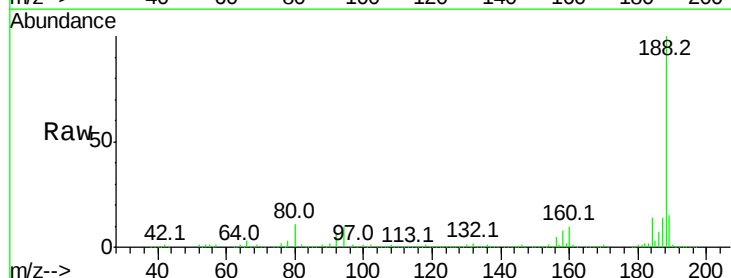
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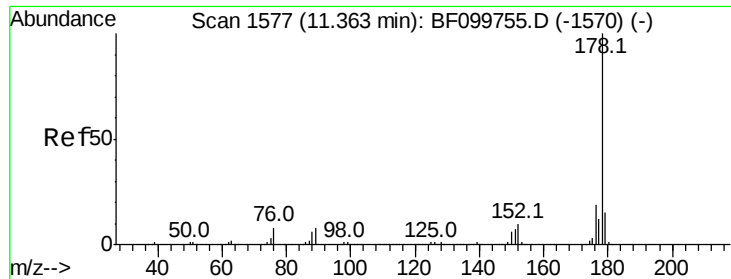
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF099967.D
 Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.9	9.2	13.8





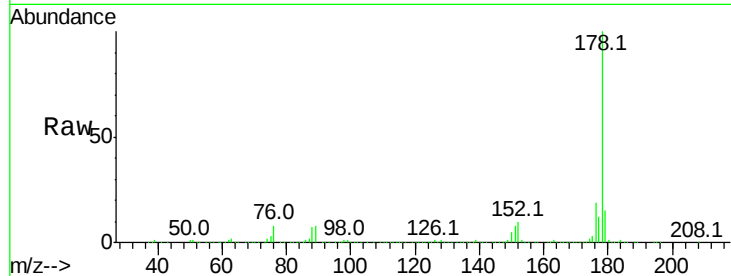
#70
Phenanthrene
Concen: 61.245 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Instrument :
BNA_F
ClientSampled :
CL-01-102617-E

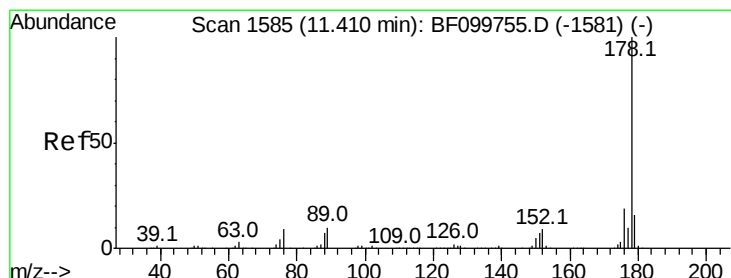
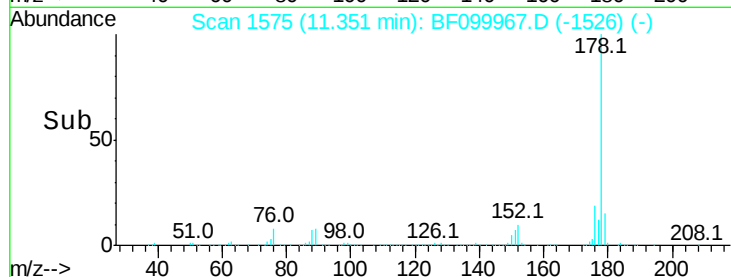
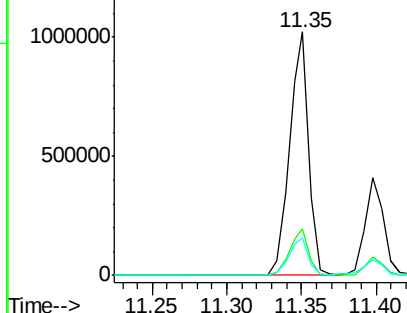
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.2	13.0	19.6

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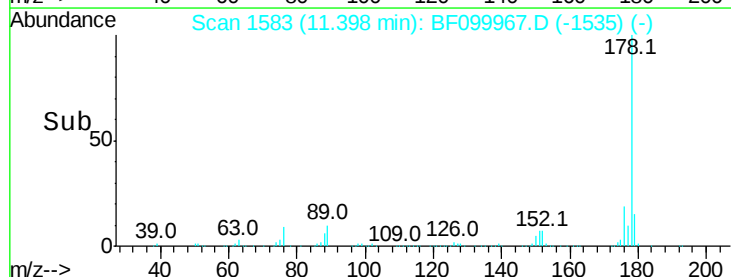
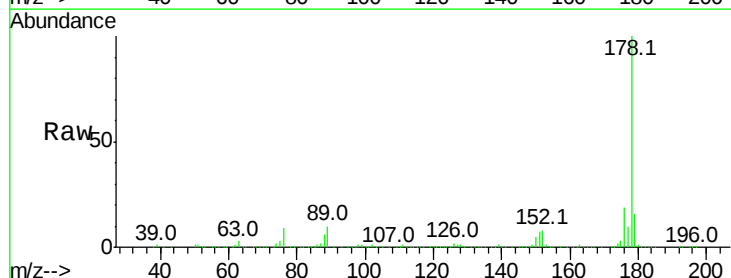
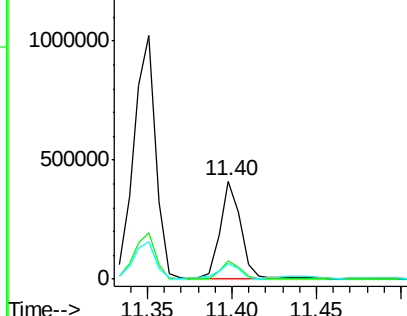
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

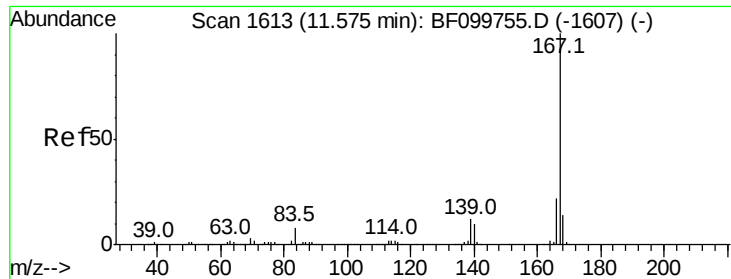


#71
Anthracene
Concen: 23.022 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.02 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.7	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





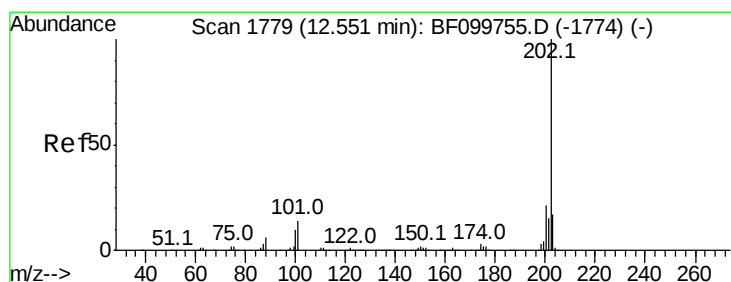
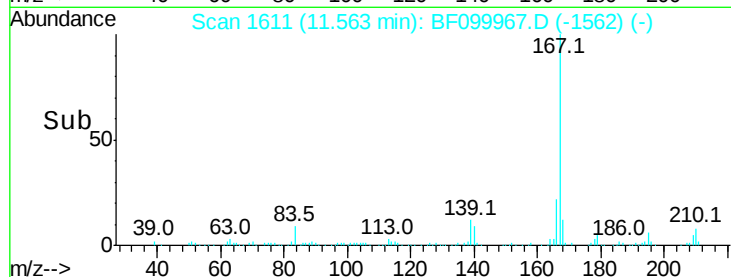
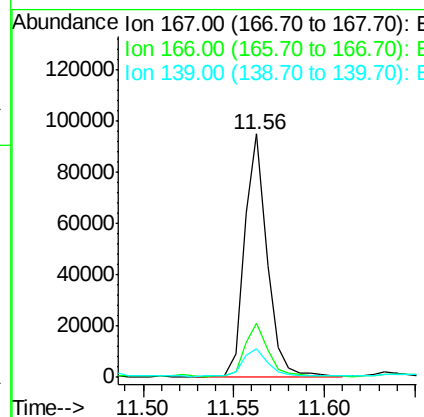
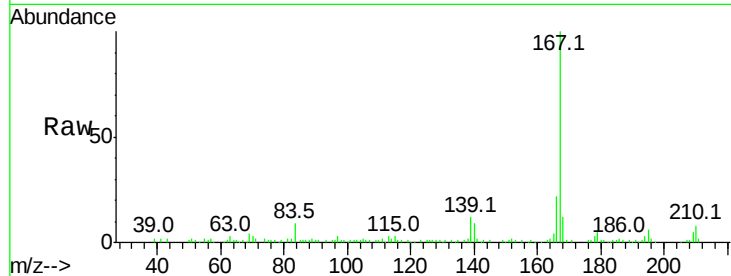
#72
 Carbazole
 Concen: 5.643 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF099967.D
 Acq: 30 Oct 2017 18:37

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-102617-E

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.6	26.4
139	11.8	10.9	16.3

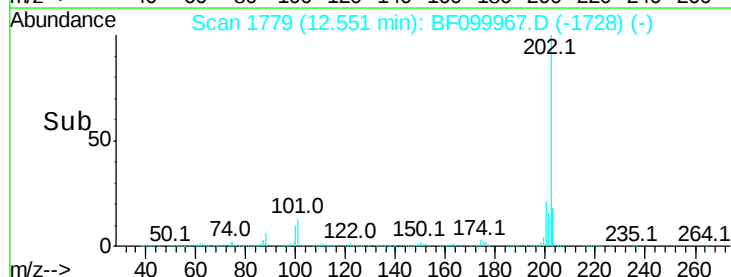
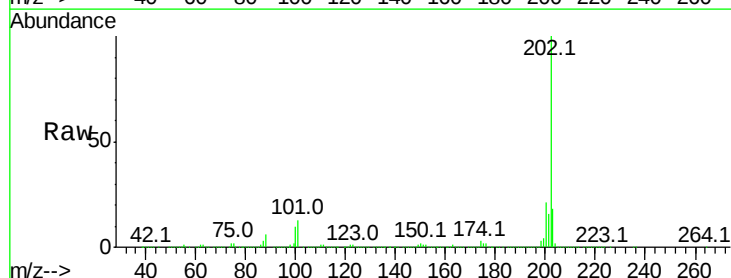
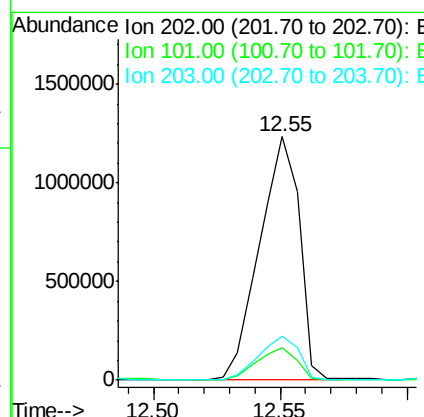
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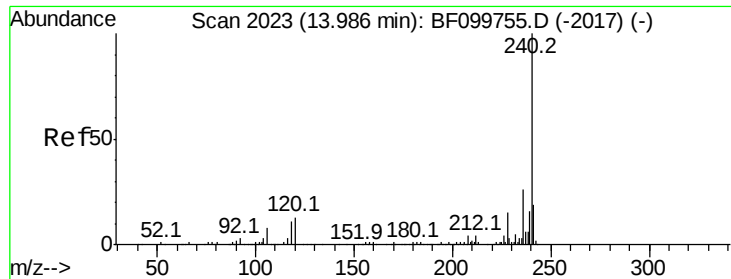
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#74
 Fluoranthene
 Concen: 86.749 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BF099967.D
 Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF099967.D

Acq: 30 Oct 2017 18:37

Instrument :

BNA_F

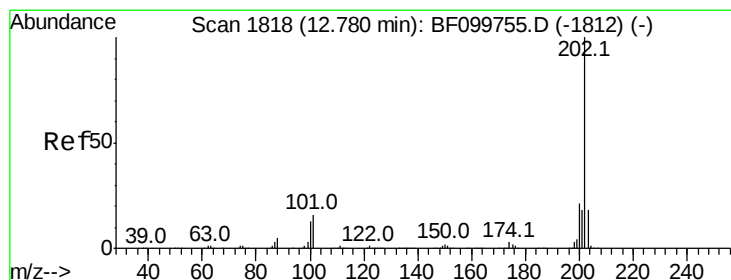
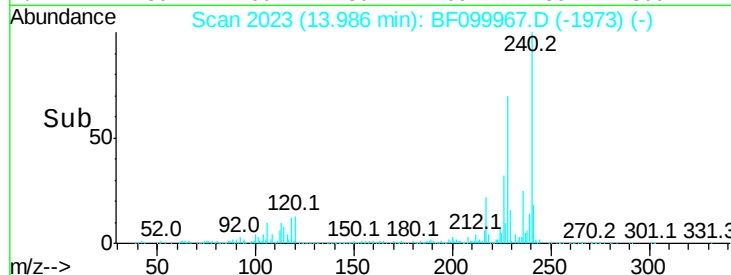
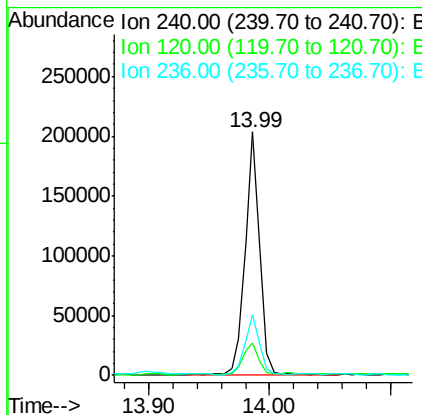
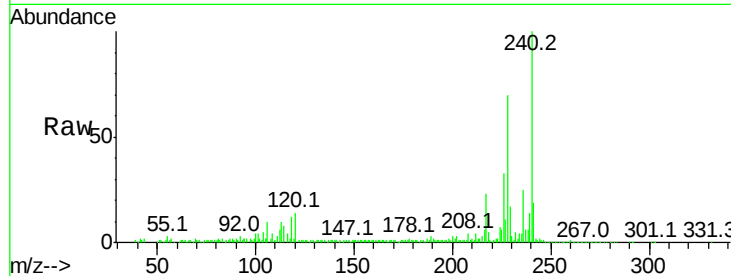
ClientSampled :

CL-01-102617-E

Tot Ion:	240	Resp:	169744
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	25.1	20.7	31.1

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#77

Pyrene

Concen: 94.120 ng

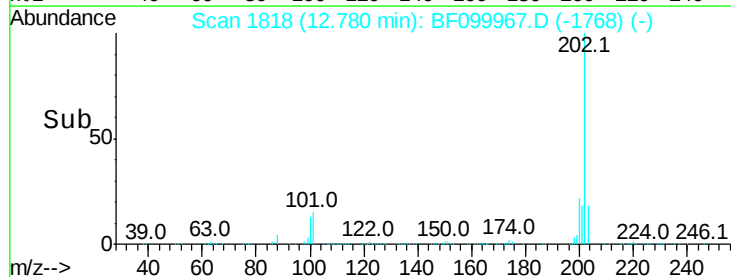
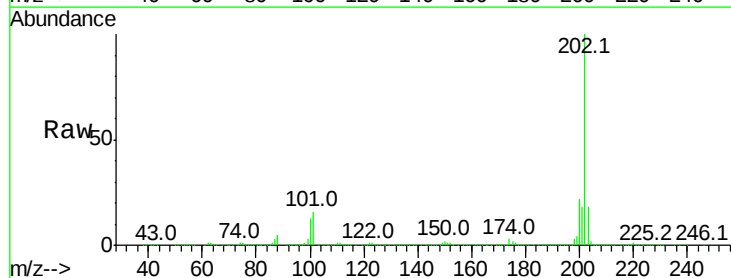
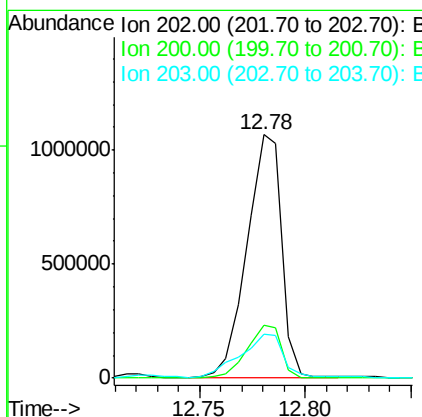
RT: 12.78 min Scan# 1818

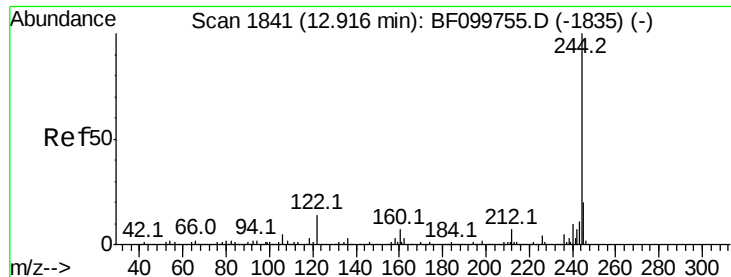
Delta R.T. -0.01 min

Lab File: BF099967.D

Acq: 30 Oct 2017 18:37

Tgt Ion:	202	Resp:	1214827
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 45.858 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF099967.D

Acq: 30 Oct 2017 18:37

Instrument :

BNA_F

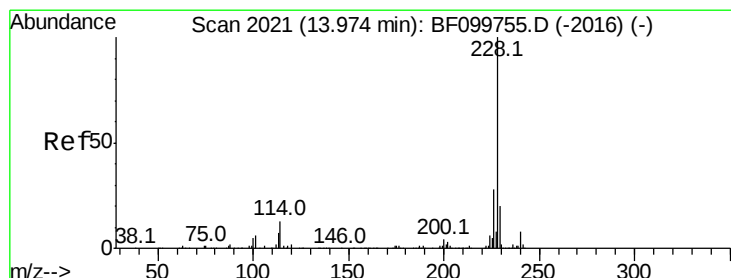
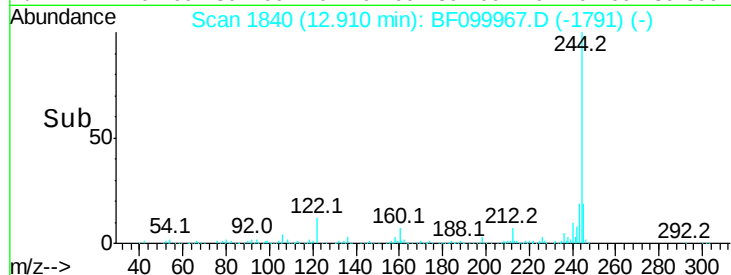
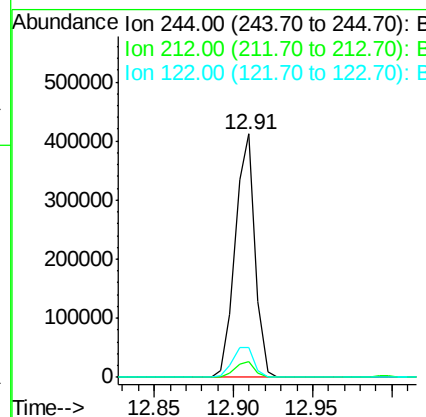
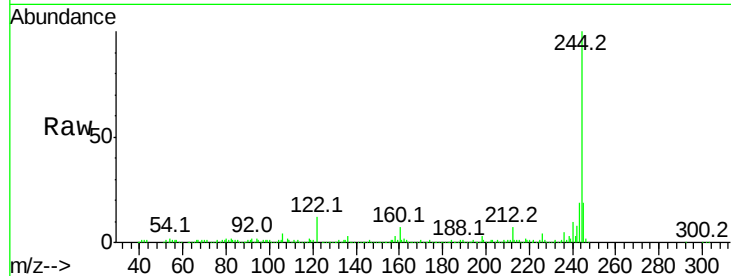
ClientSampleId :

CL-01-102617-E

Tot Ion:	244	Resp:	356193
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	12.2	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 60.722 ng

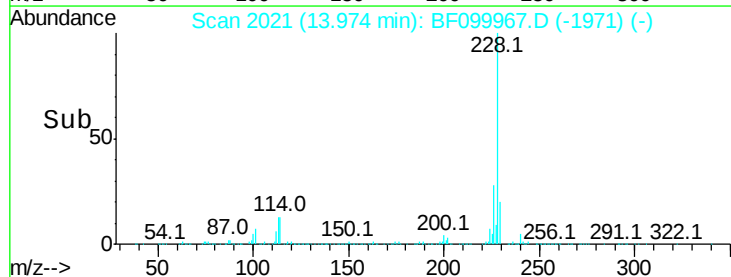
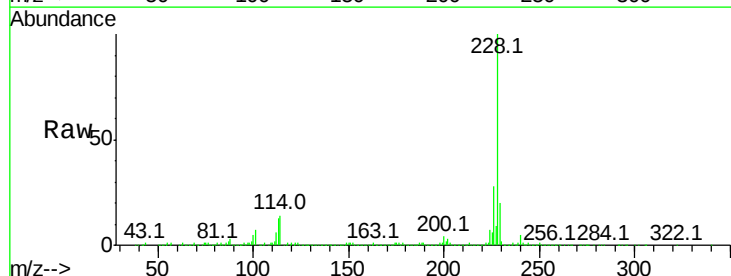
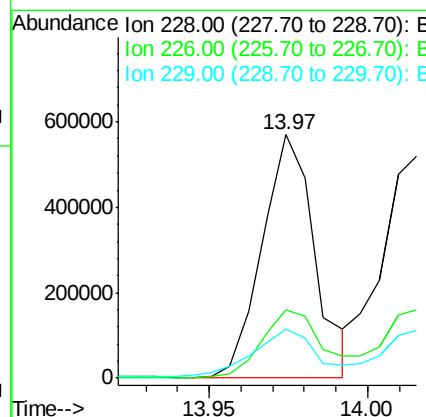
RT: 13.97 min Scan# 2021

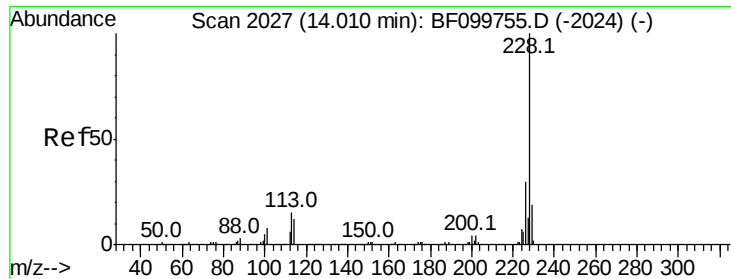
Delta R.T. -0.01 min

Lab File: BF099967.D

Acq: 30 Oct 2017 18:37

Tgt Ion:	228	Resp:	653407
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.6	33.8
229	20.3	15.8	23.6





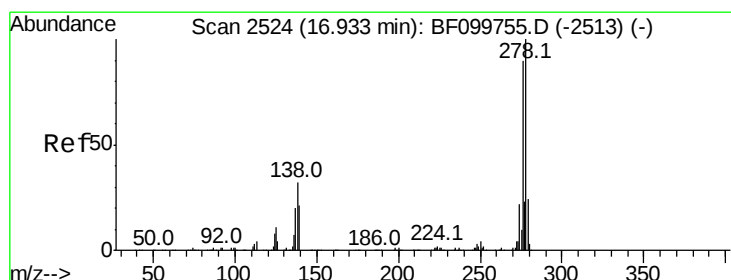
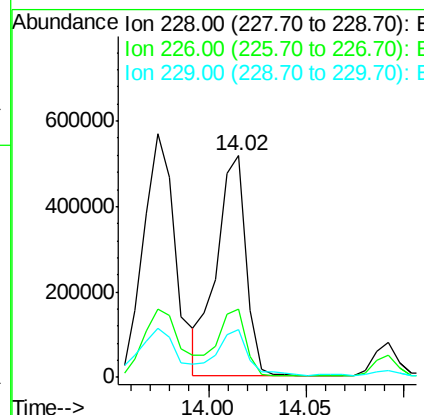
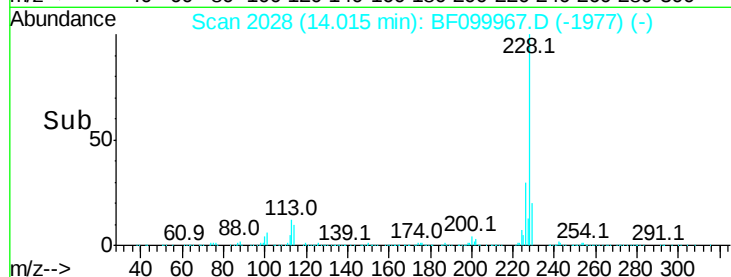
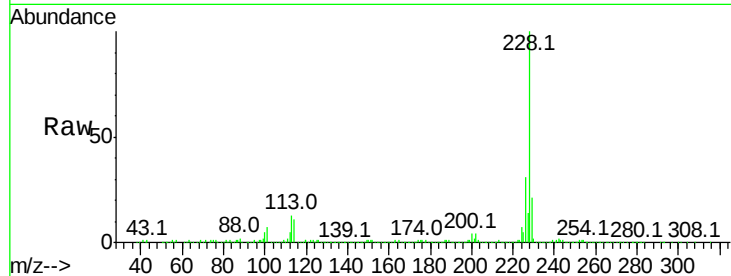
#82
Chrysene
Concen: 53.954 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-E

Tot Ion:	228	Resp:	545822
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	21.4	16.2	24.4

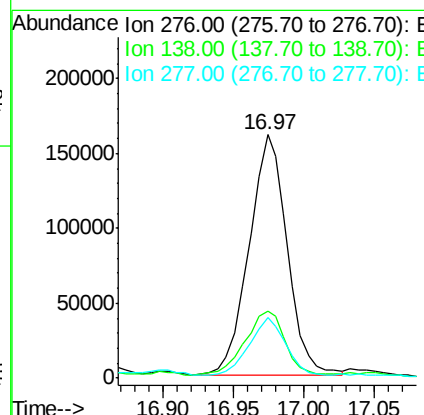
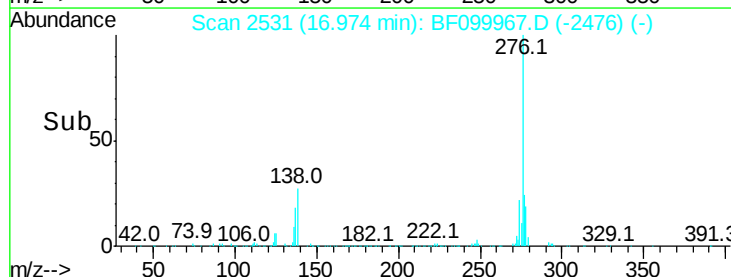
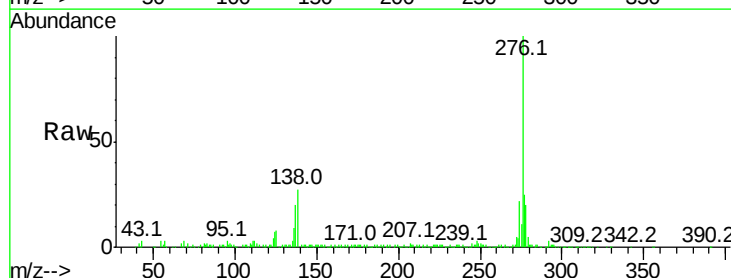
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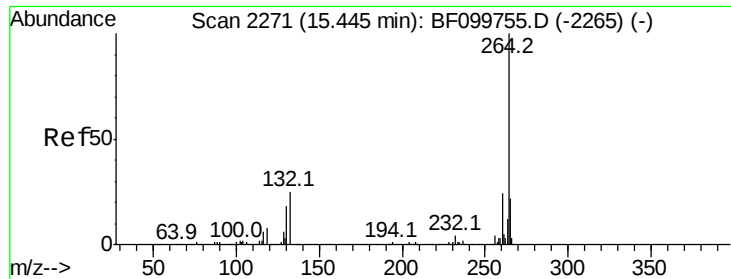
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#85
Indeno(1,2,3-cd)pyrene
Concen: 32.622 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.02 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Tgt Ion:	276	Resp:	302959
Ion Ratio	Lower	Upper	
276	100		
138	28.0	25.0	37.6
277	22.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.02 min

Lab File: BF099967.D

Acq: 30 Oct 2017 18:37

Instrument :

BNA_F

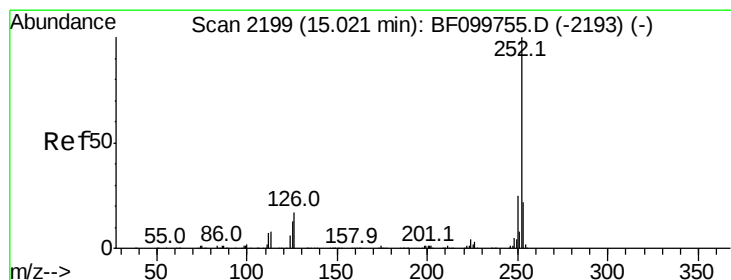
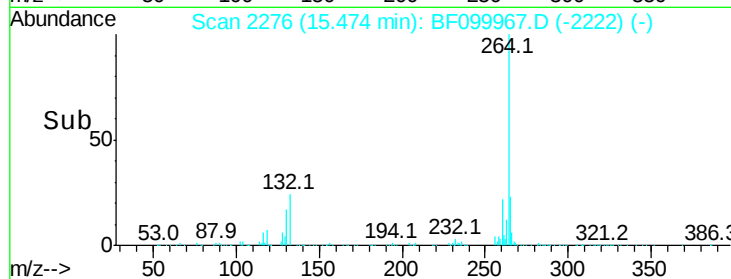
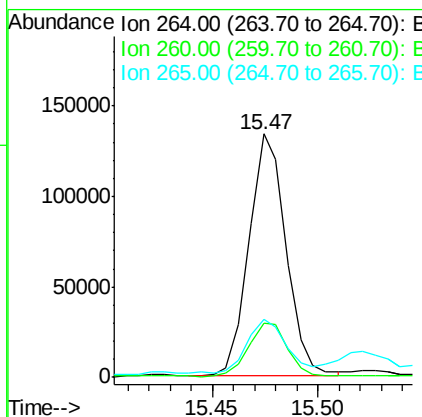
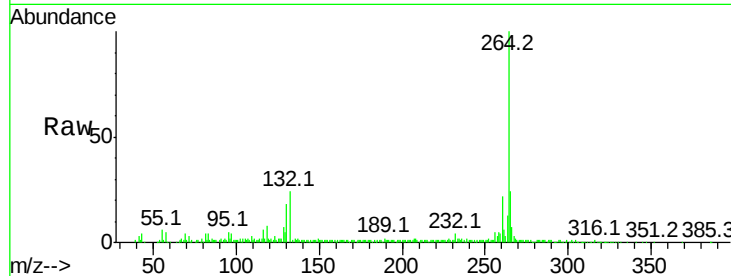
ClientSampleId :

CL-01-102617-E

Tot Ion:	264	Resp:	162446
Ion Ratio	Lower	Upper	
264	100		
260	22.5	19.2	28.8
265	23.9	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 79.387 ng m

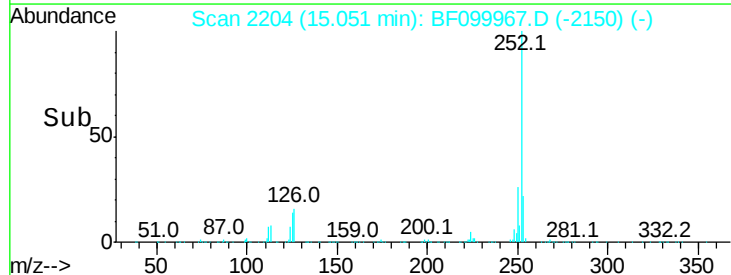
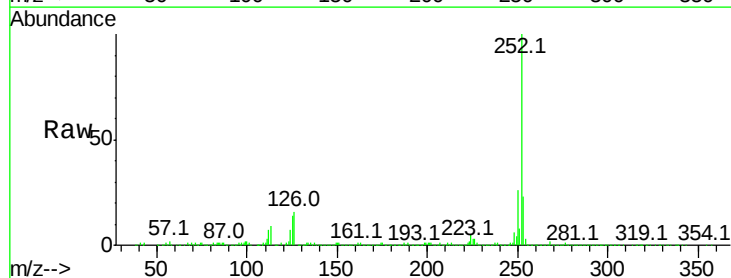
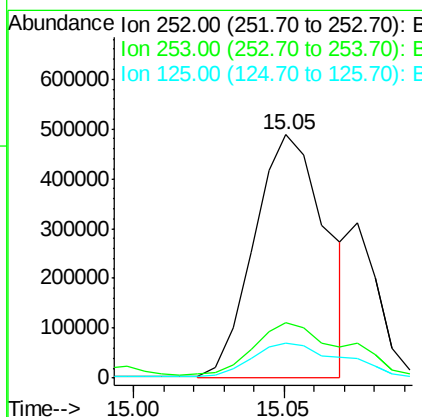
RT: 15.05 min Scan# 2204

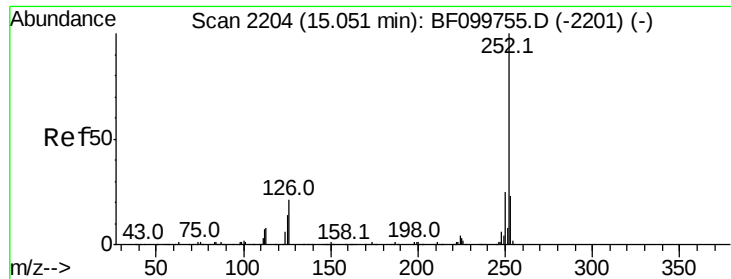
Delta R.T. 0.02 min

Lab File: BF099967.D

Acq: 30 Oct 2017 18:37

Tgt Ion:	252	Resp:	814323
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	14.4	9.0	13.6#





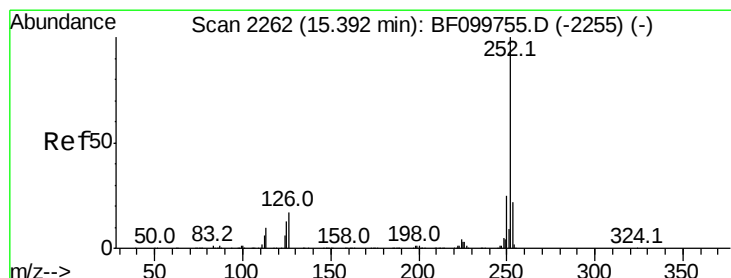
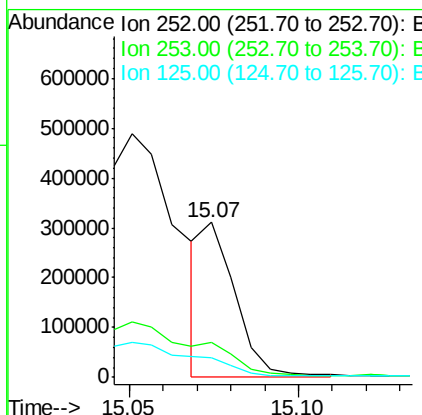
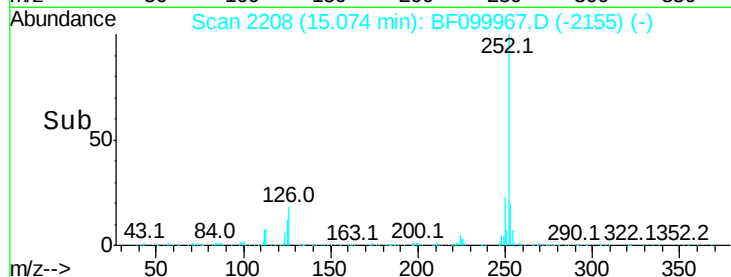
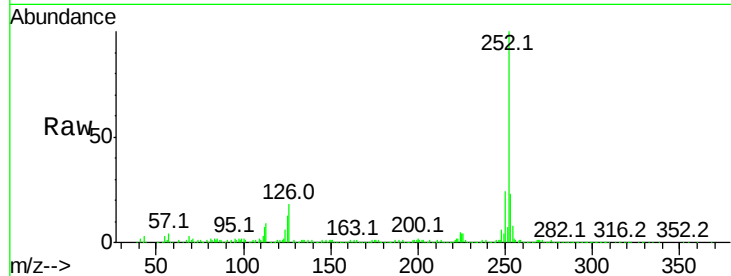
#88
Benzo(k)fluoranthene
Concen: 22.103 ng/mL
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	12.9	10.2	15.2

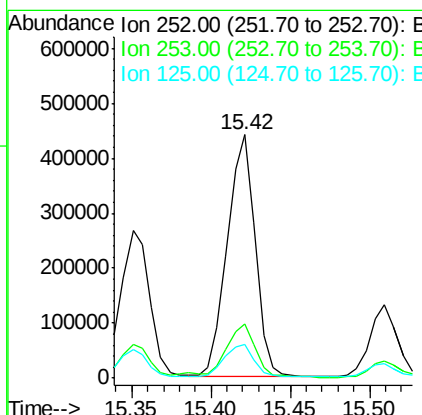
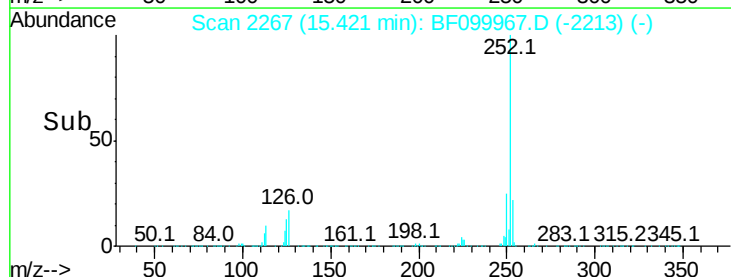
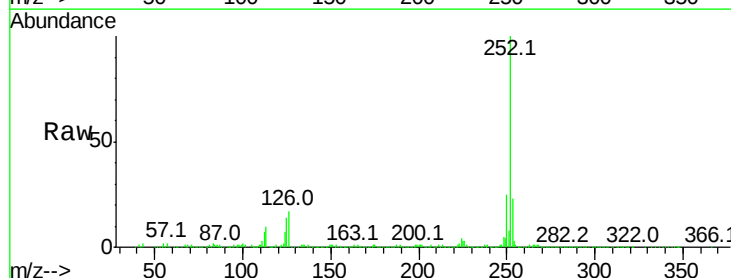
Manual Integrations
APPROVED

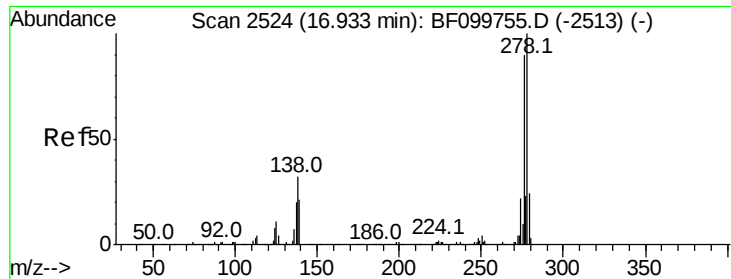
Sohil
10/31/2017 7:41:10 PM



#89
Benzo(a)pyrene
Concen: 58.925 ng/mL
RT: 15.42 min Scan# 2267
Delta R.T. 0.02 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	13.9	9.8	14.6





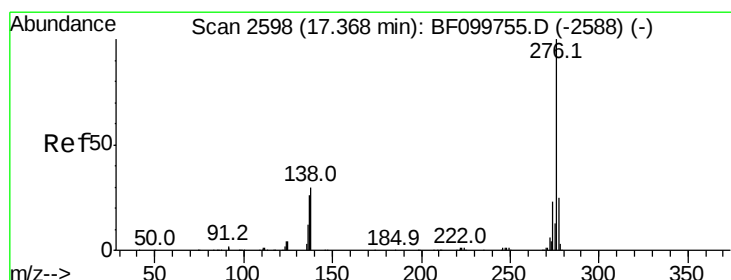
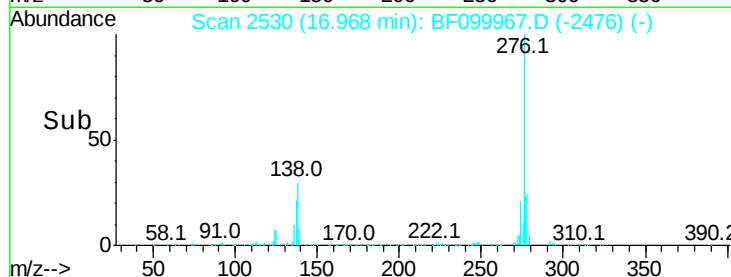
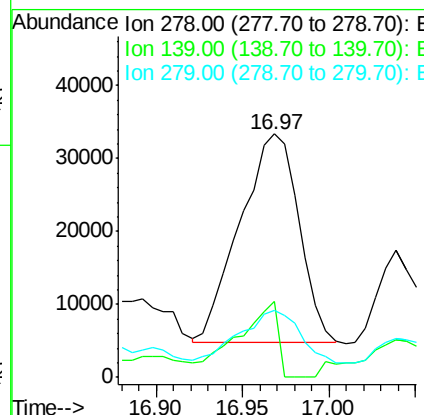
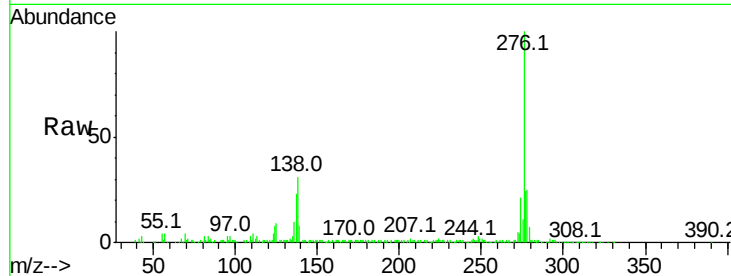
#90
Dibenzo(a,h)anthracene
Concen: 8.162 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.02 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Instrument :
BNA_F
ClientSampleId :
CL-01-102617-E

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.1	15.9	23.9
279	27.3	19.0	28.4

Manual Integrations
APPROVED

Sohil
10/31/2017 7:41:10 PM



#91
Benzo(g,h,i)perylene
Concen: 33.086 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.03 min
Lab File: BF099967.D
Acq: 30 Oct 2017 18:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	28.6	21.8	32.8

