

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
 Data File : BF100748.D
 Acq On : 20 Nov 2017 23:28
 Operator : SJ/JU
 Sample : I6304-20 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-E

Manual Integrations
 APPROVED

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 11/21/2017 2:16:33 PM

Quant Time: Nov 21 05:36:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	86390	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	328965	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	132595	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	198282	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	194657	20.00	ng	-0.01
86) Perylene-d12	15.50	264	207812	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	106852	19.83	ng	-0.02
7) Phenol-d6	6.49	99	123038	18.51	ng	-0.02
23) Nitrobenzene-d5	7.43	82	70890	14.25	ng	-0.02
41) 2,4,6-Tribromophenol	10.69	330	21966	16.26	ng	-0.02
44) 2-Fluorobiphenyl	9.22	172	142924	16.41	ng	-0.02
78) Terphenyl-d14	12.97	244	86640	10.23	ng	-0.01
Target Compounds						
48) Acenaphthylene	9.77	152	28959	2.100	ng	Qvalue 99
70) Phenanthrene	11.42	178	65775	6.300	ng	97
74) Fluoranthene	12.60	202	190420	17.210	ng	98
77) Pyrene	12.83	202	221743	15.980	ng	99
80) Benzo(a)anthracene	14.02	228	153295	13.077	ng	96
82) Chrysene	14.06	228	127533	11.235	ng	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	52801	5.751	ng	# 92
87) Benzo(b)fluoranthene	15.07	252	166082m	13.490	ng	
88) Benzo(k)fluoranthene	15.10	252	46514m	3.999	ng	
89) Benzo(a)pyrene	15.44	252	115501	10.582	ng	98
91) Benzo(g,h,i)perylene	17.43	276	44591	5.103	ng	# 90

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

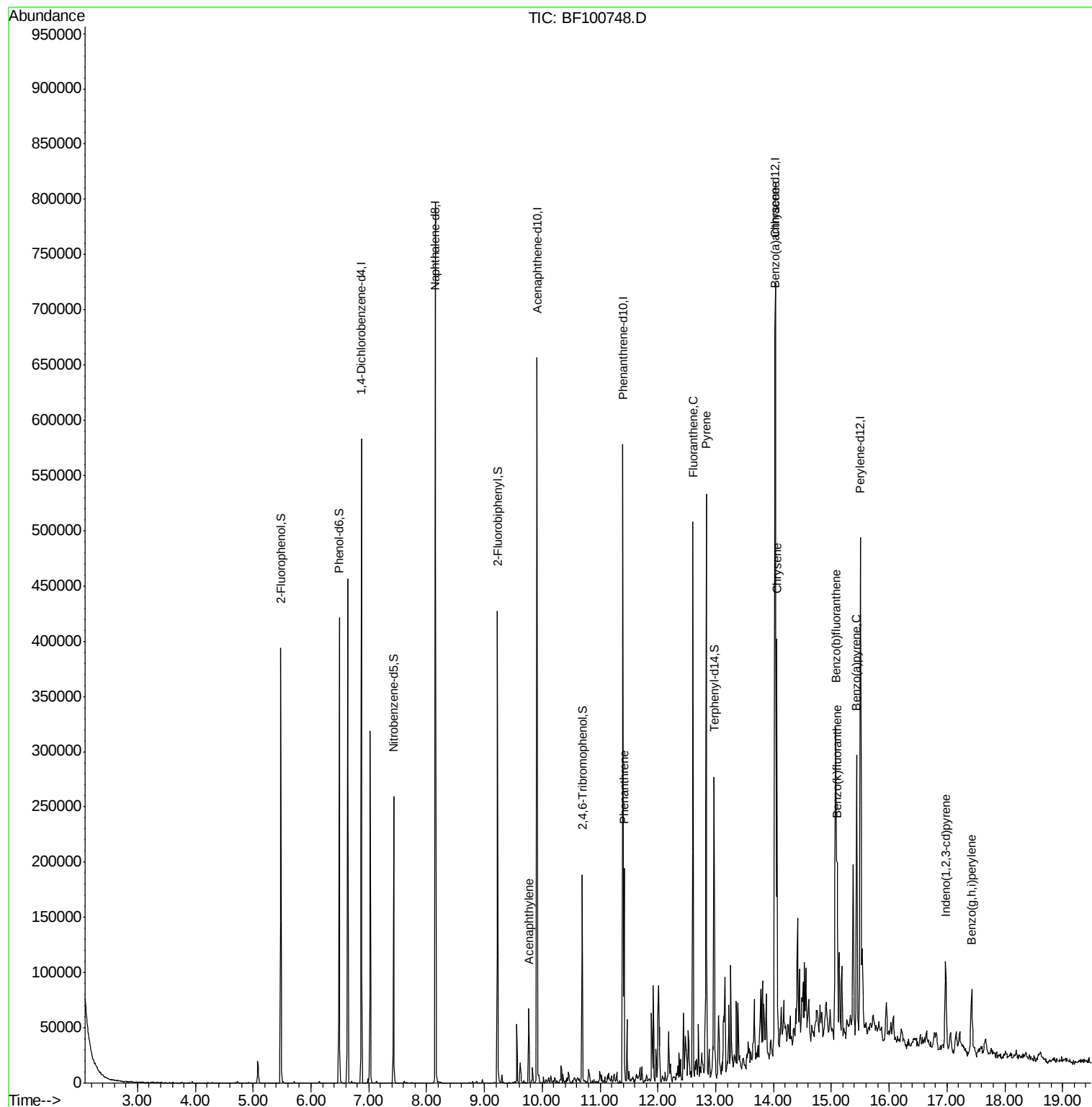
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112017\
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#1

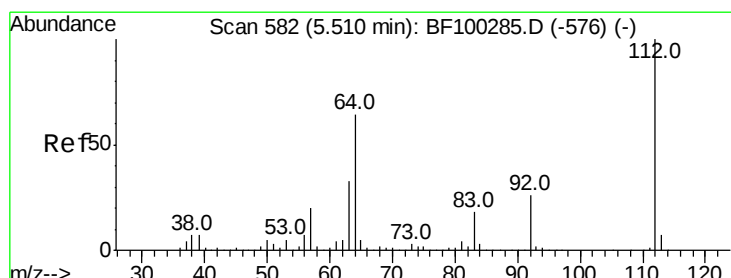
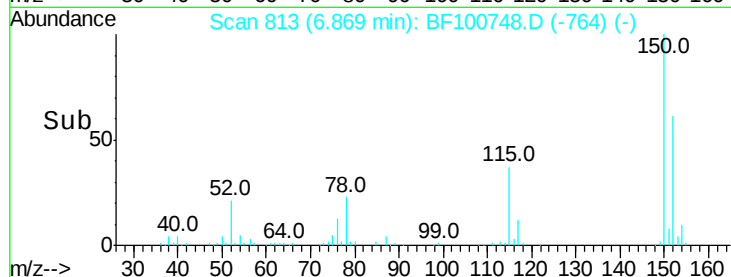
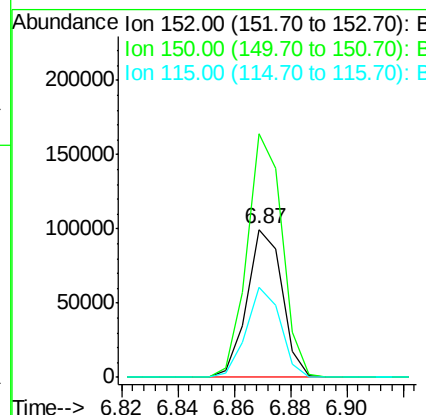
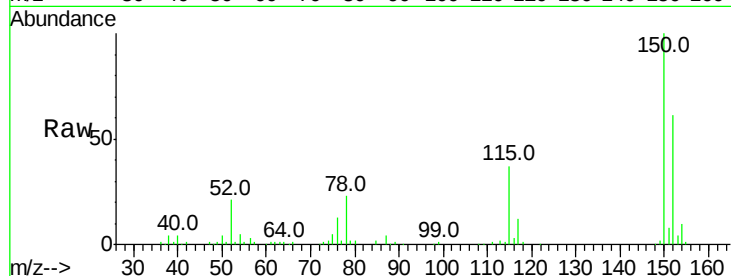
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-E

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	124.6	186.8
115	61.2	50.1	75.1

Manual Integrations
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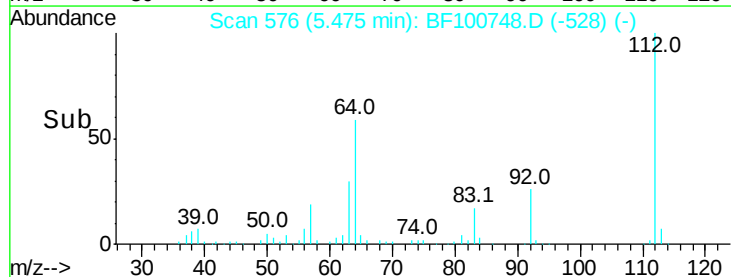
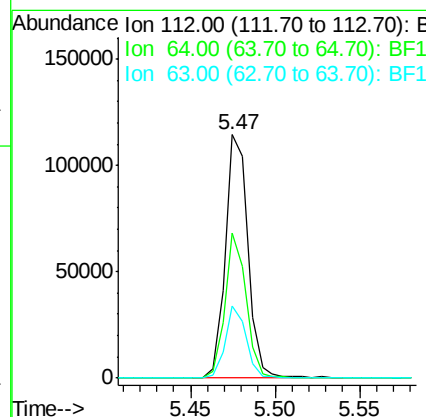
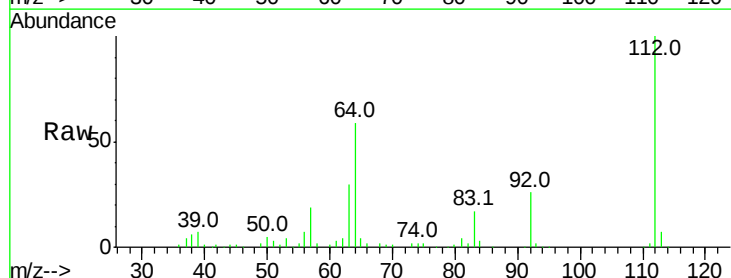
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#5

2-Fluorophenol
Concen: 19.827 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.02 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	29.7	23.7	35.5





#7

Phenol-d6

Concen: 18.514 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF100748.D

Acq: 20 Nov 2017 23:28

Instrument :

BNA_F

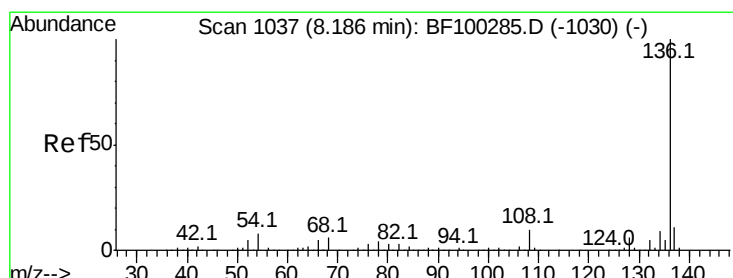
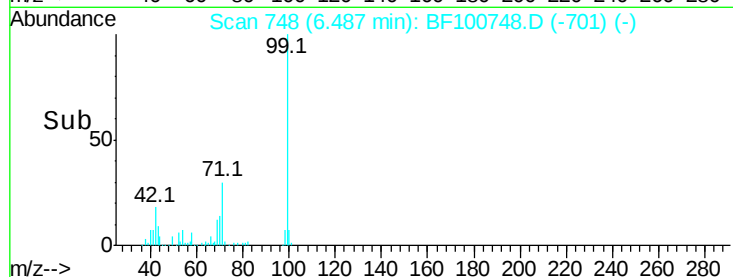
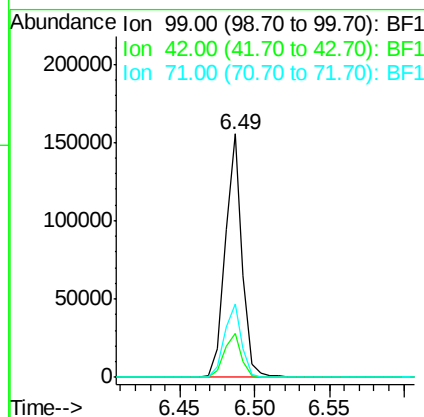
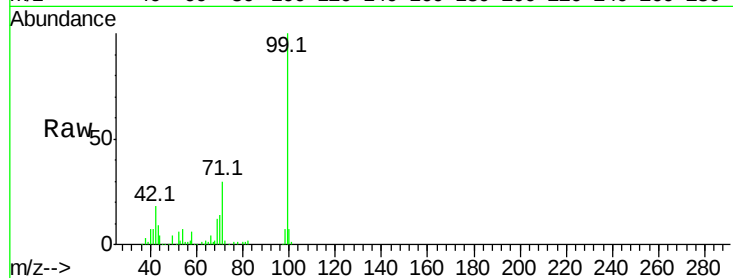
ClientSampleId :

CL-01-111617-E

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		123038		
42	18.2	14.5	21.7		
71	30.2	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

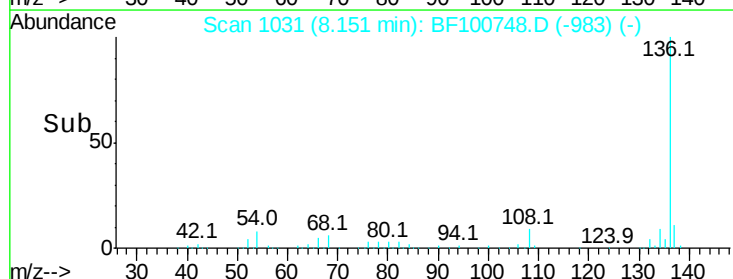
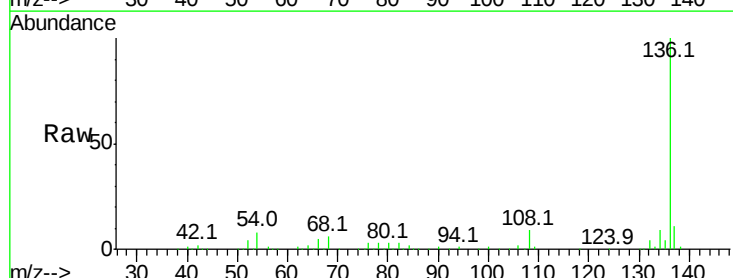
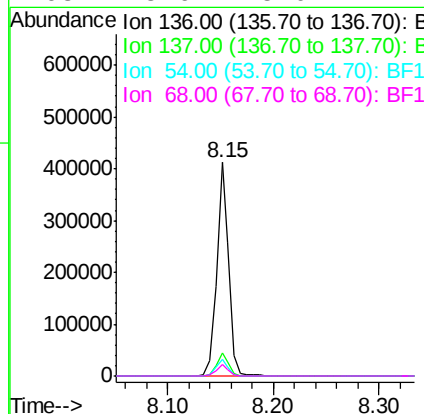
RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100748.D

Acq: 20 Nov 2017 23:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		328965		
137	10.7	8.9	13.3		
54	8.0	6.6	9.8		
68	5.6	5.0	7.4		





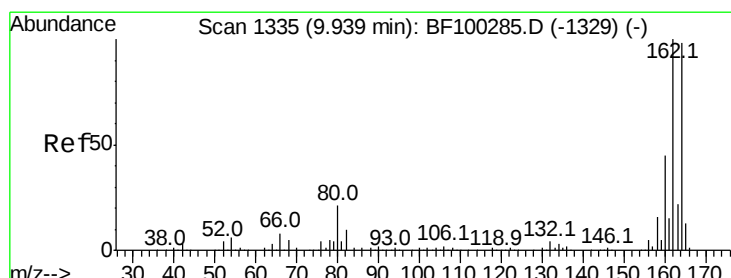
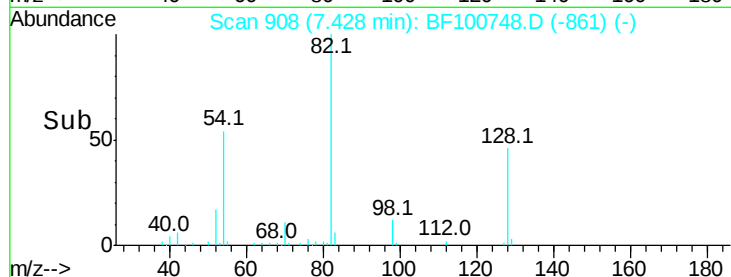
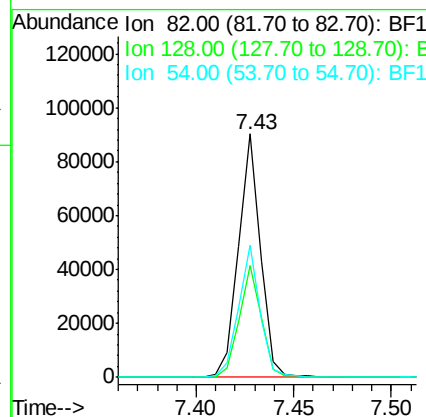
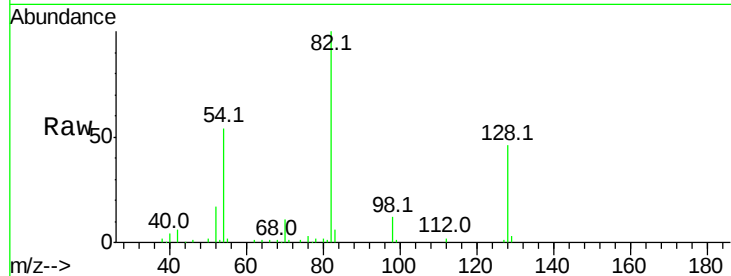
#23
Nitrobenzene-d5
Concen: 14.247 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-E

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	54.5	41.4	62.2

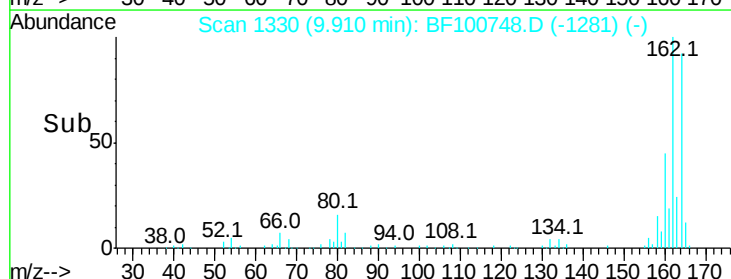
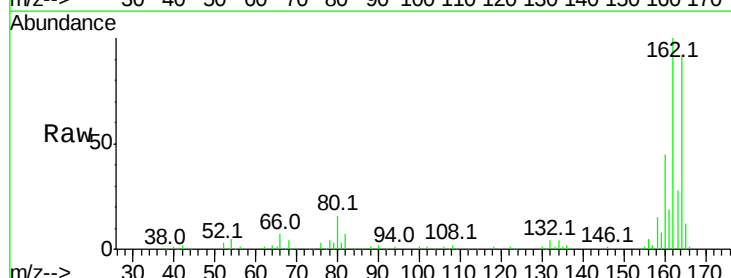
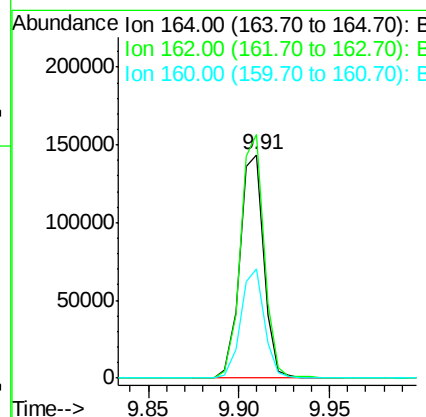
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.8	86.1	129.1
160	48.8	38.3	57.5





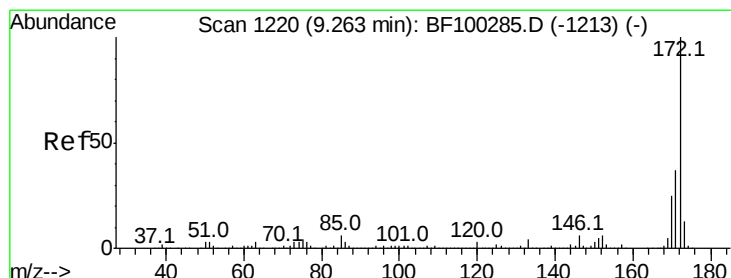
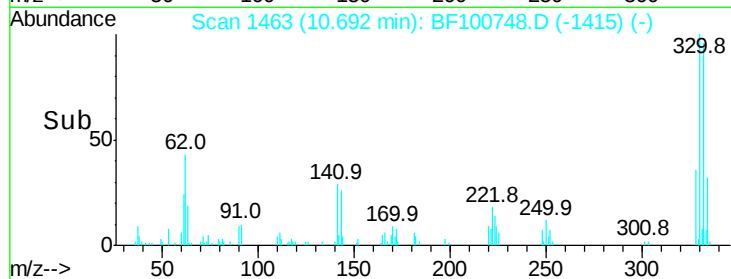
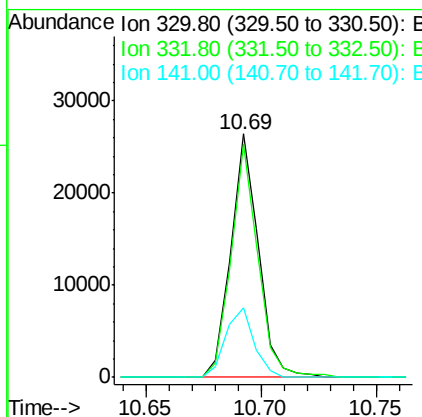
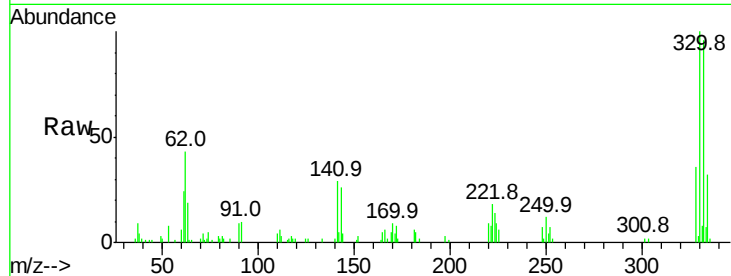
#41
 2,4,6-Tribromophenol
 Concen: 16.257 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BF100748.D
 Acq: 20 Nov 2017 23:28

Instrument :
 BNA_F
 ClientSampled :
 CL-01-111617-E

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.6	77.0	115.6
141	29.2	29.9	44.9#

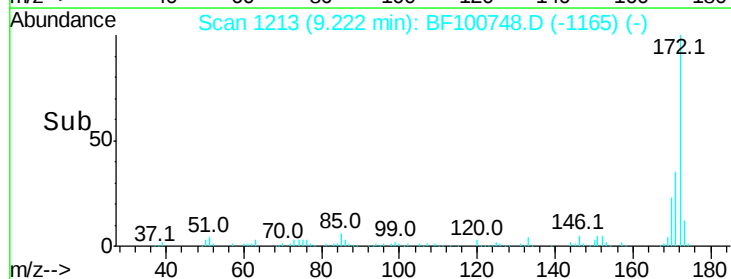
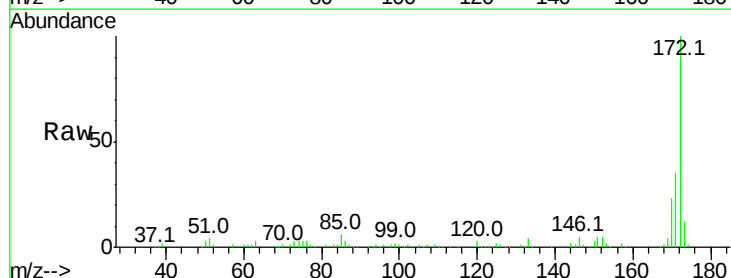
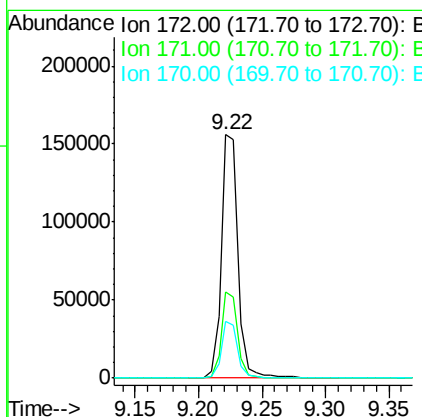
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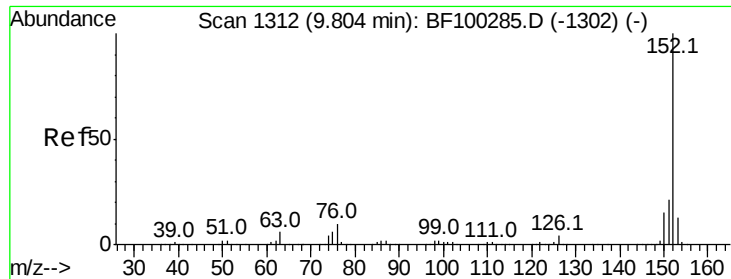
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#44
 2-Fluorobiphenyl
 Concen: 16.413 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.02 min
 Lab File: BF100748.D
 Acq: 20 Nov 2017 23:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.2	19.6	29.4





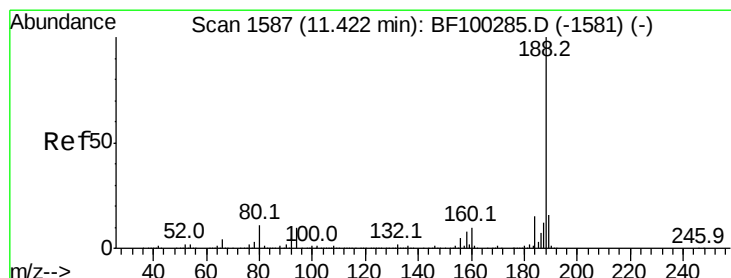
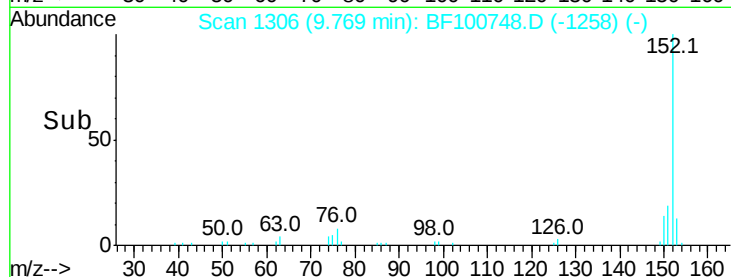
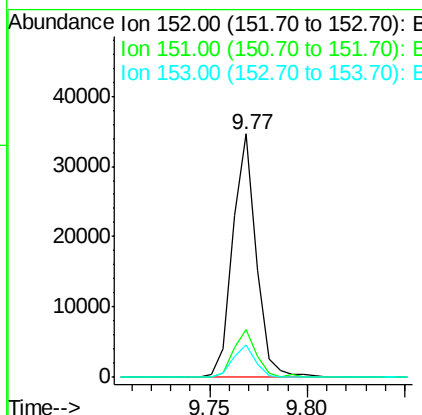
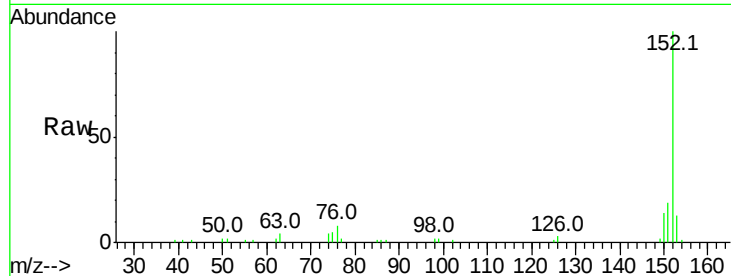
#48
Acenaphthylene
Concen: 2.100 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-E

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	13.2	10.7	16.1

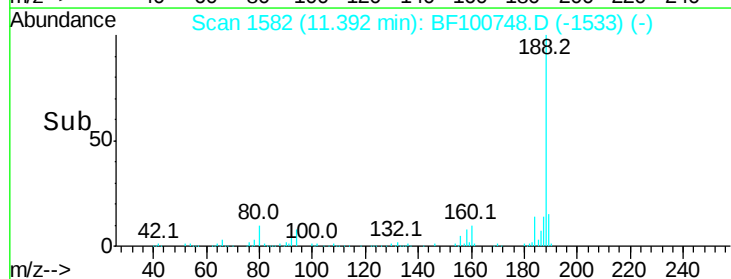
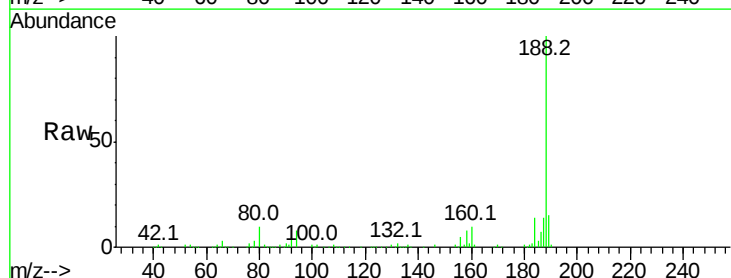
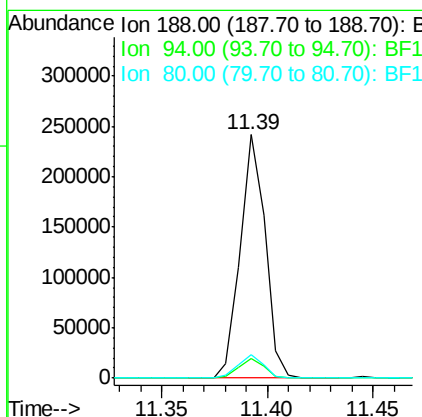
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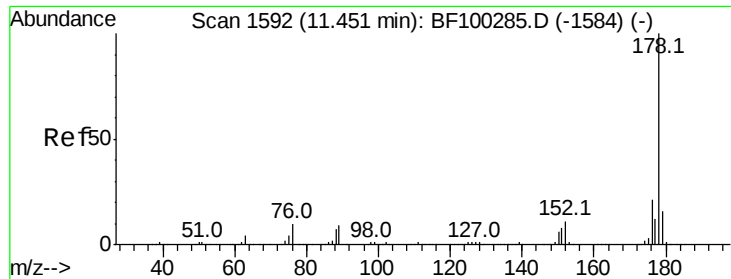
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	8.5	12.7#
80	9.6	9.2	13.8





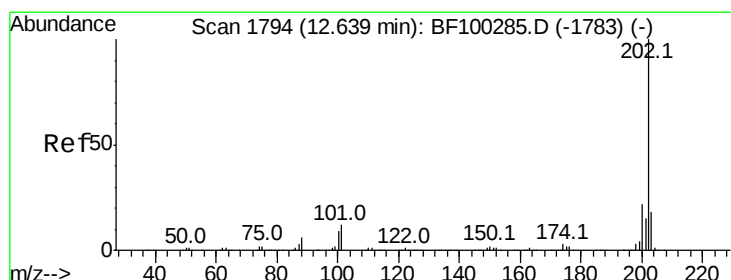
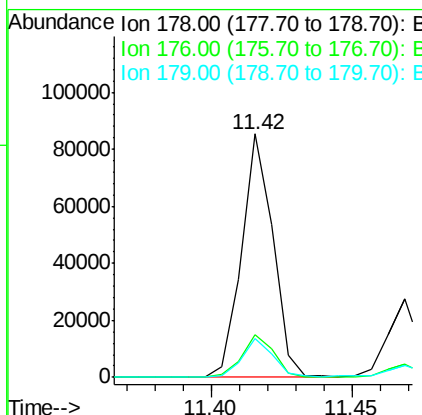
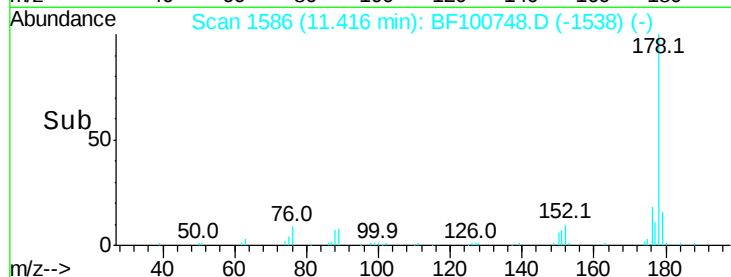
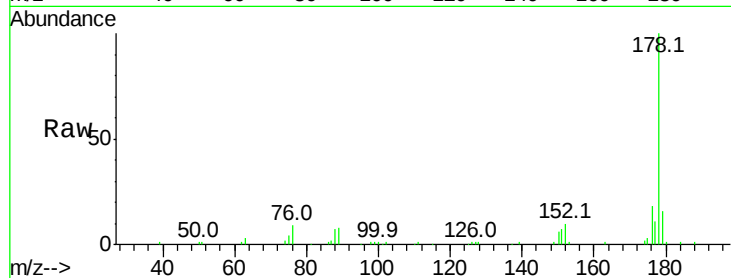
#70
Phenanthrene
Concen: 6.300 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-E

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.8	23.8
179	16.1	13.0	19.6

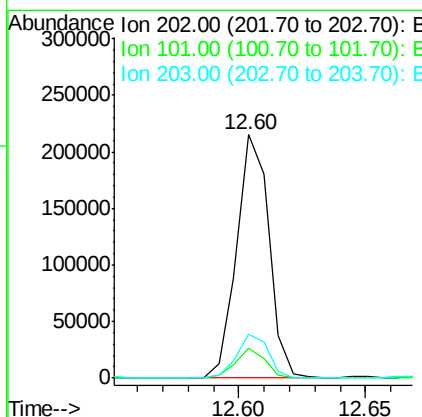
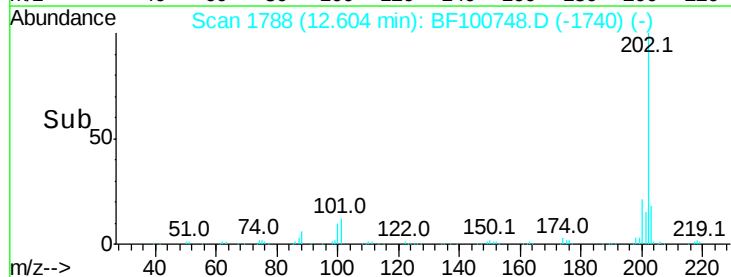
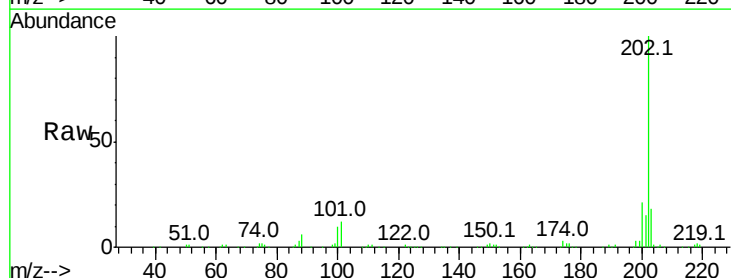
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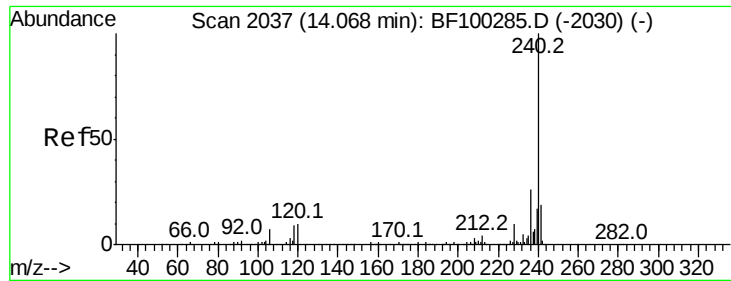
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#74
Fluoranthene
Concen: 17.210 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100748.D

Acq: 20 Nov 2017 23:28

Instrument :

BNA_F

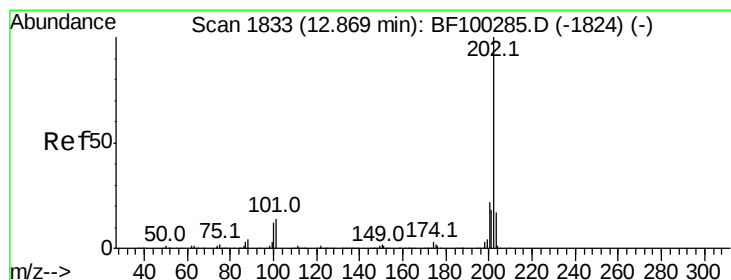
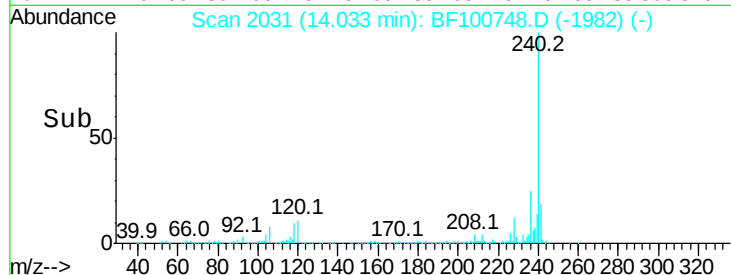
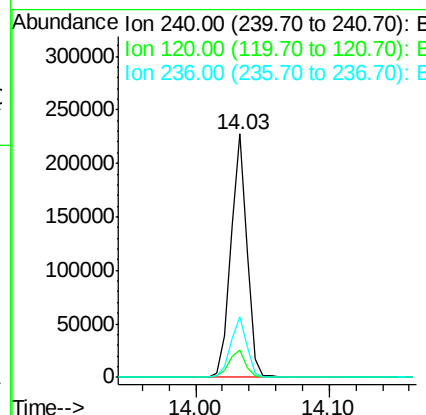
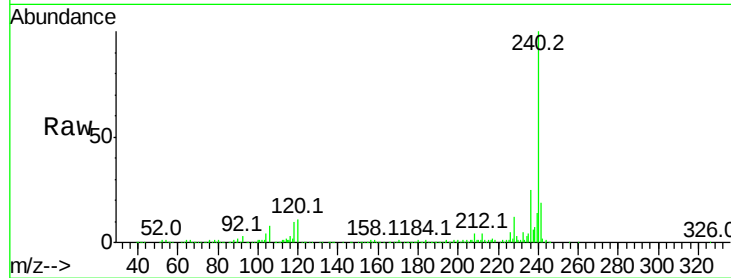
ClientSampleId :

CL-01-111617-E

Tot Ion:	240	Resp:	194657
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.5	14.3
236	25.0	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 15.980 ng

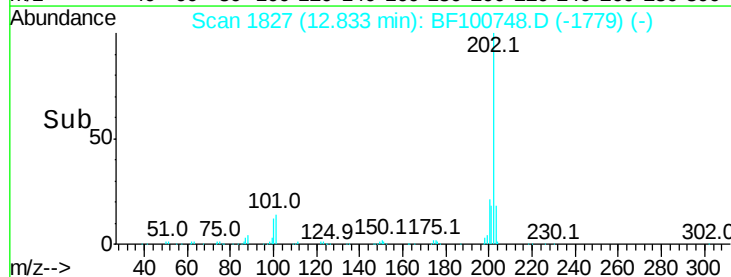
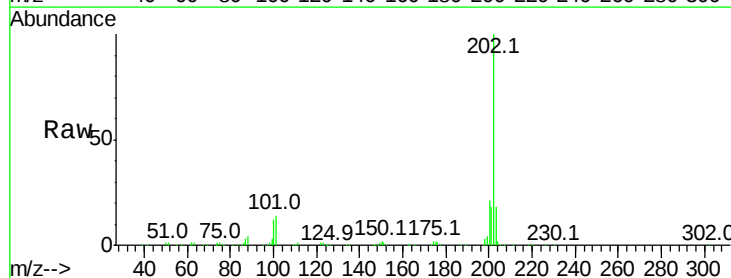
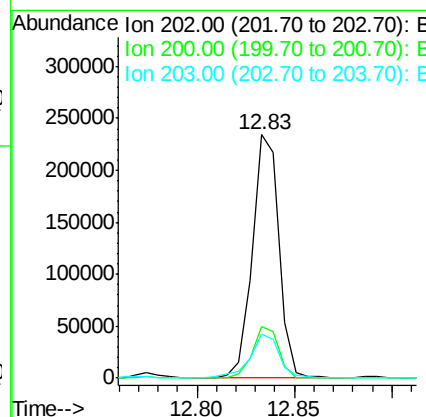
RT: 12.83 min Scan# 1827

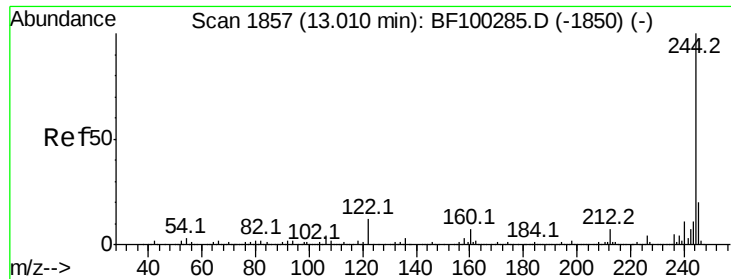
Delta R.T. -0.02 min

Lab File: BF100748.D

Acq: 20 Nov 2017 23:28

Tgt Ion:	202	Resp:	221743
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	18.2	14.3	21.5





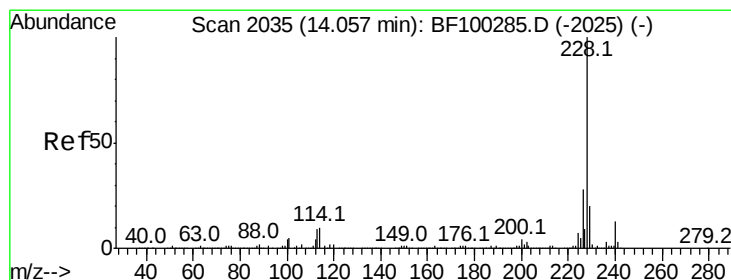
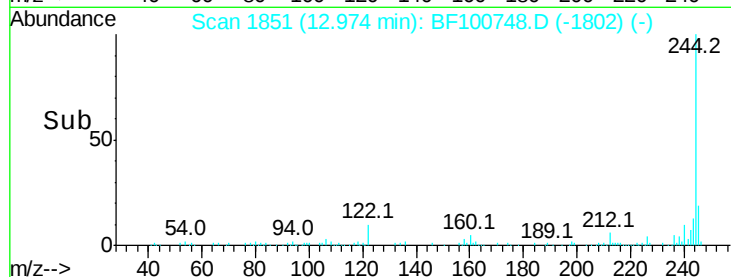
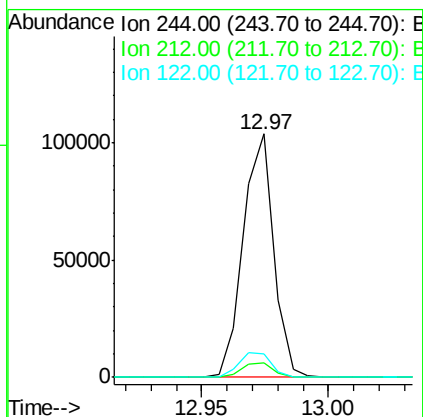
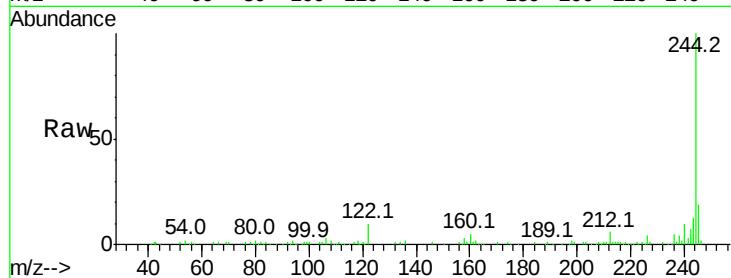
#78
 Terphenyl-d14
 Concen: 10.227 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.01 min
 Lab File: BF100748.D
 Acq: 20 Nov 2017 23:28

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-E

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	9.7	11.0	16.4#

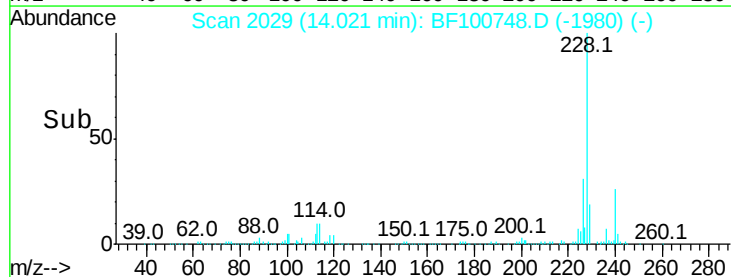
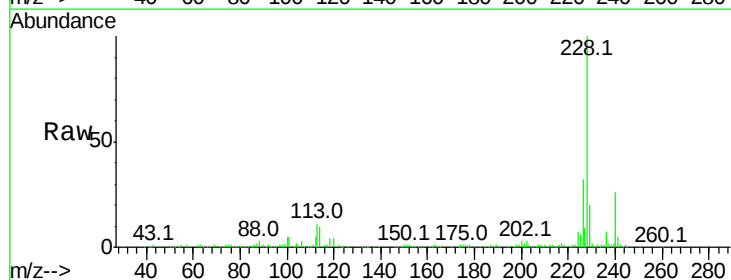
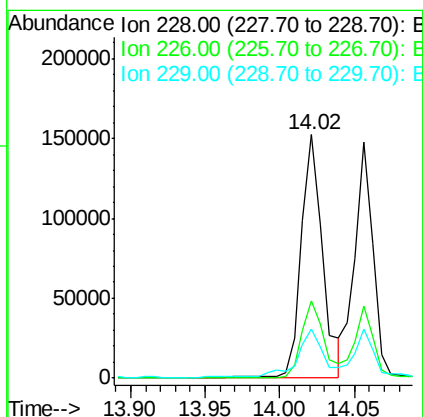
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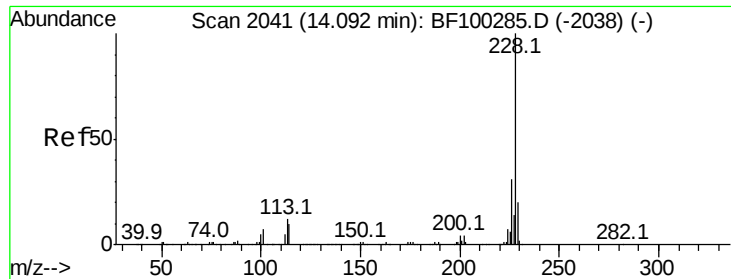
SOHIL
 11/21/2017 2:16:33 PM



#80
 Benzo(a)anthracene
 Concen: 13.077 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF100748.D
 Acq: 20 Nov 2017 23:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	20.3	15.8	23.6





#82

Chrysene

Concen: 11.235 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF100748.D

Acq: 20 Nov 2017 23:28

Instrument :

BNA_F

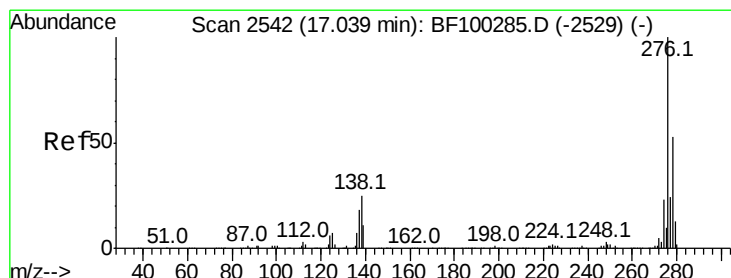
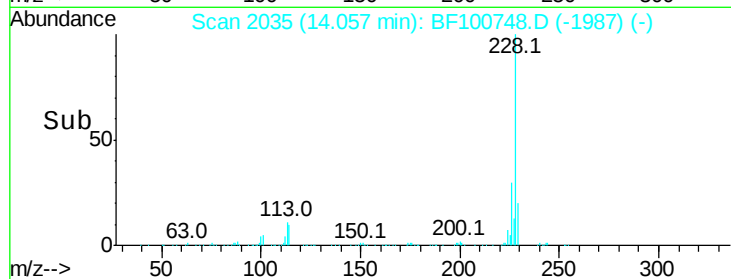
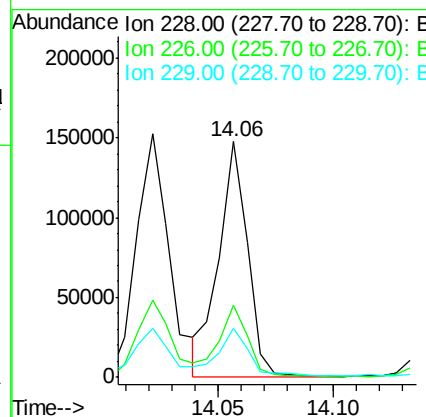
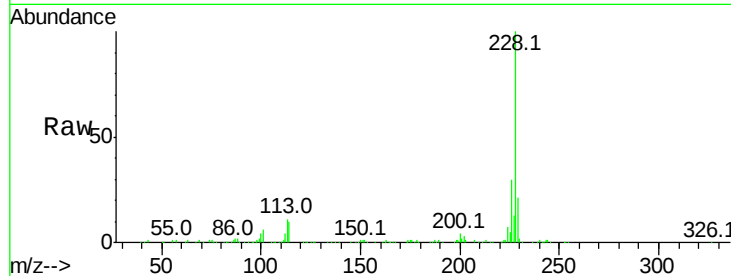
ClientSampleId :

CL-01-111617-E

Tot Ion:	228	Resp:	127533
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.0	37.6
229	20.8	16.2	24.4

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11/21/2017 2:16:33 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.751 ng

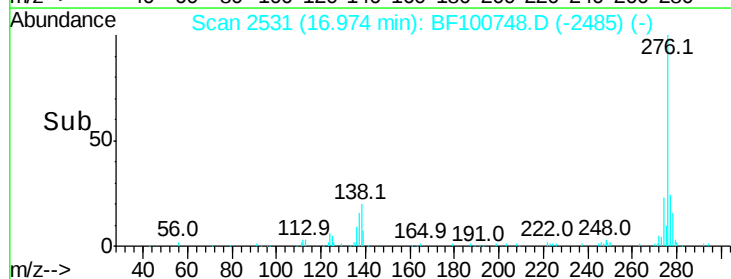
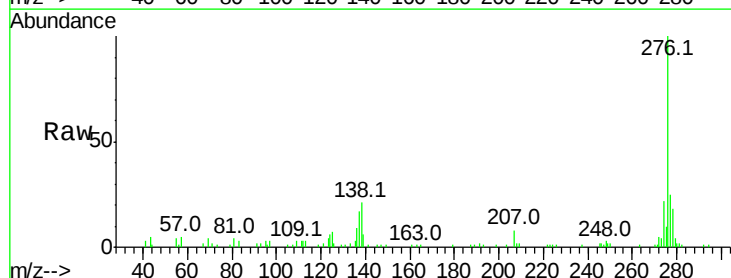
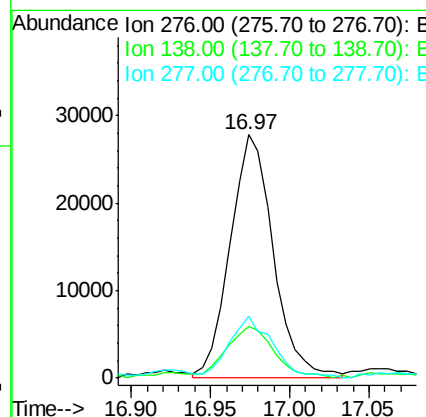
RT: 16.97 min Scan# 2531

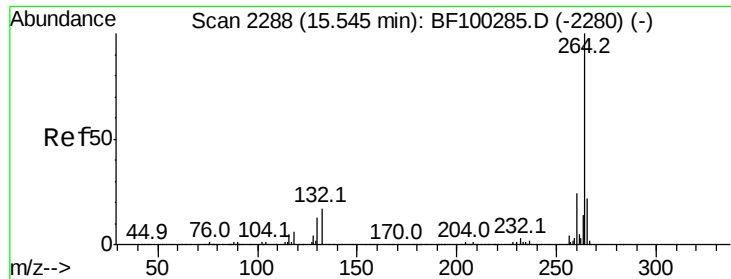
Delta R.T. -0.03 min

Lab File: BF100748.D

Acq: 20 Nov 2017 23:28

Tgt Ion:	276	Resp:	52801
Ion Ratio	Lower	Upper	
276	100		
138	23.7	25.0	37.6#
277	25.6	20.1	30.1





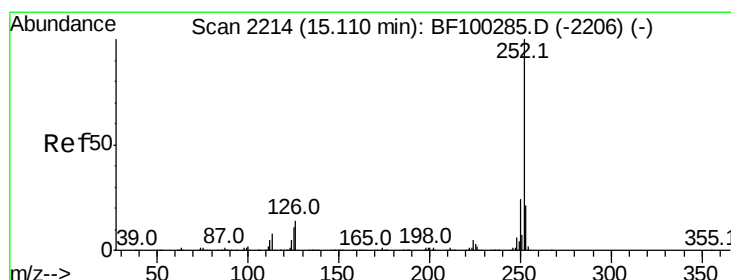
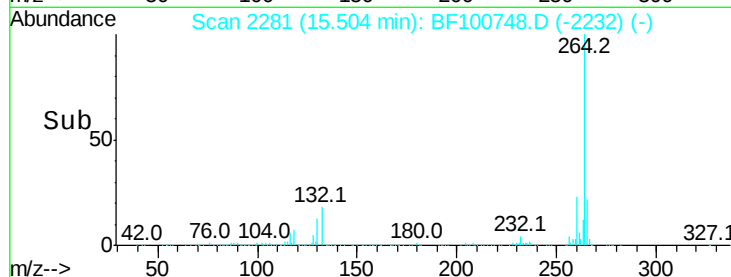
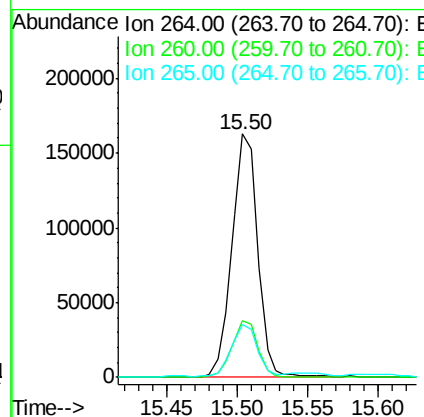
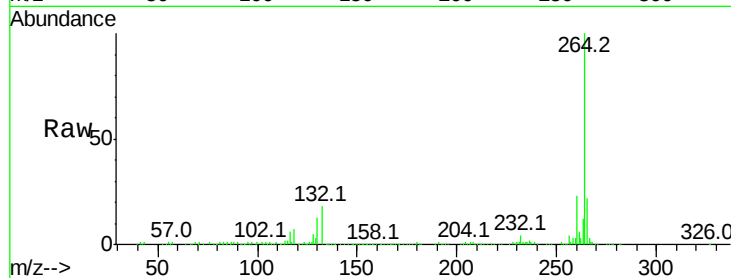
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-E

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.0	17.5	26.3

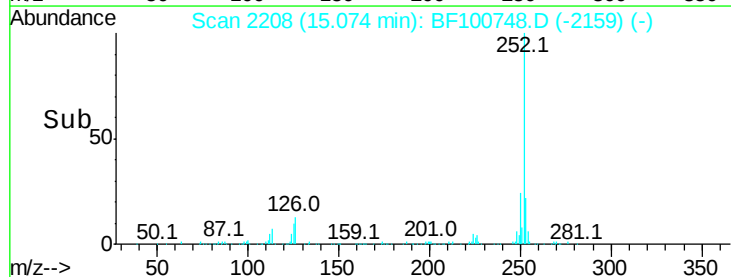
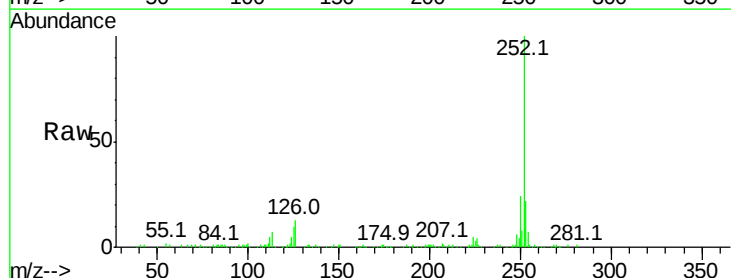
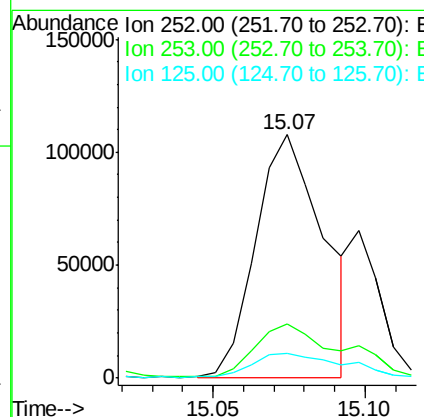
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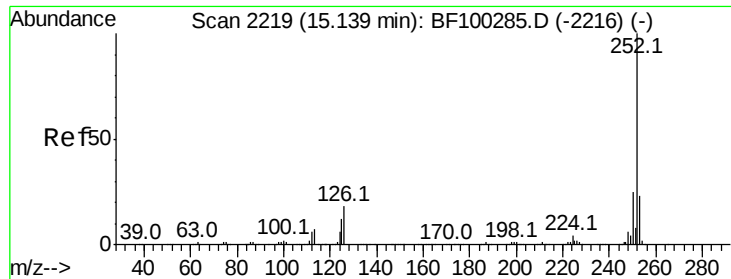
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#87
Benzo(b)fluoranthene
Concen: 13.490 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	10.0	9.0	13.6





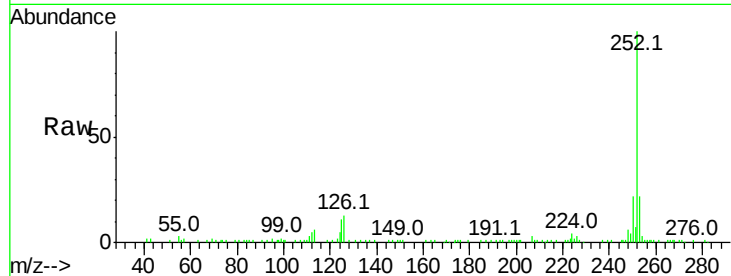
#88
Benzo(k)fluoranthene
Concen: 3.999 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

Instrument :
BNA_F
ClientSampleId :
CL-01-111617-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	10.6	10.2	15.2

Manual Integrations
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11/21/2017 2:16:33 PM

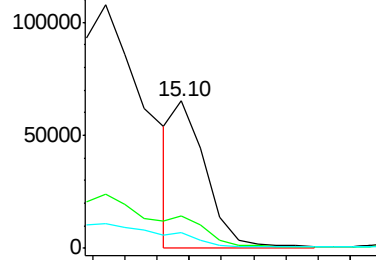


Abundance

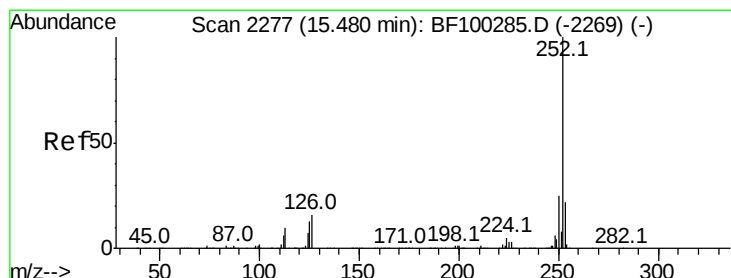
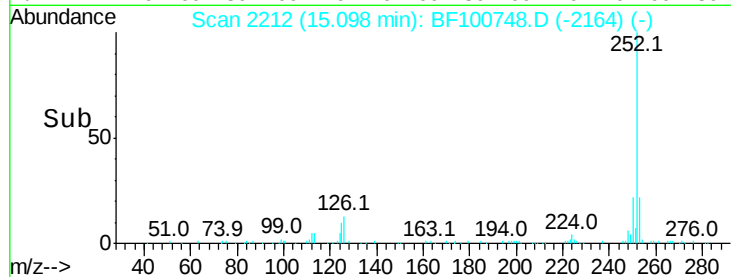
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#89
Benzo(a)pyrene
Concen: 10.582 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF100748.D
Acq: 20 Nov 2017 23:28

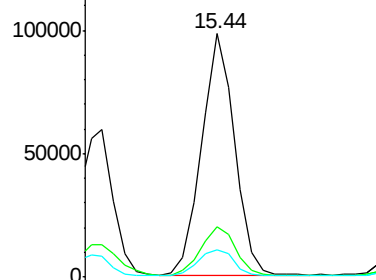
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.1	25.7
125	11.3	9.8	14.6

Abundance

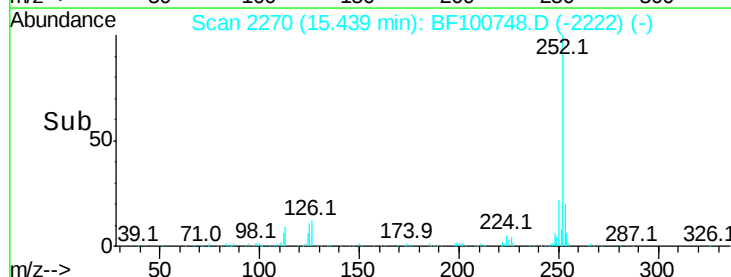
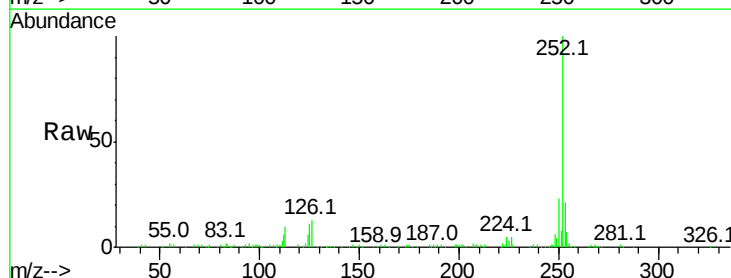
Ion 252.00 (251.70 to 252.70): E

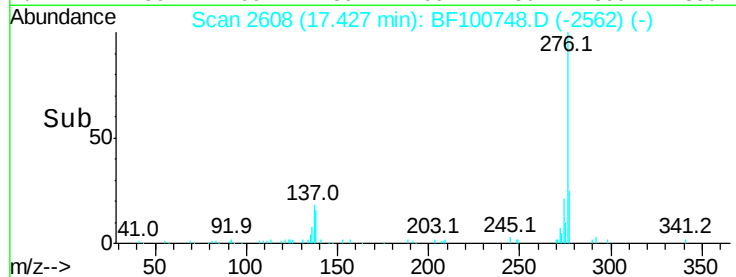
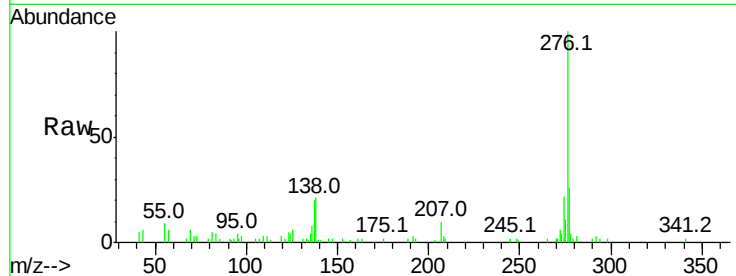
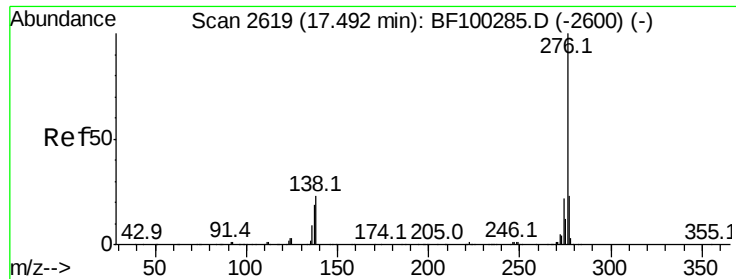
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#91
 Benzo(a,h,i)perylene
 Concen: 5.103 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.03 min
 Lab File: BF100748.D
 Acq: 20 Nov 2017 23:28

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-111617-E

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	21.1	21.8	32.8

Manual Integrations
 APPROVED

SOHIL
 11/21/2017 2:16:33 PM

