

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099641.D
 Acq On : 19 Oct 2017 2:19
 Operator : SJ/JU
 Sample : I5896-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-19(0-10)COMP

Manual Integrations
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 10/19/2017 6:15:46 PM

Quant Time: Oct 19 17:06:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	81405	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	283452	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	100774	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	175100	20.00	ng	0.00
75) Chrysene-d12	14.00	240	177941	20.00	ng	0.00
86) Perylene-d12	15.46	264	136311	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	439558	85.96	ng	0.00
7) Phenol-d6	6.47	99	487200	77.23	ng	-0.01
23) Nitrobenzene-d5	7.39	82	269880	61.06	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	70949	86.04	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	442149	73.25	ng	0.00
78) Terphenyl-d14	12.93	244	369593	47.24	ng	0.00
Target Compounds						
10) Phenol	6.48	94	23030	3.264	ng	89
70) Phenanthrene	11.37	178	71477	7.626	ng	98
71) Anthracene	11.43	178	20476	2.135	ng	98
74) Fluoranthene	12.57	202	169504	17.860	ng	97
77) Pyrene	12.80	202	168183	12.395	ng	97
80) Benzo(a)anthracene	13.99	228	97411	9.041	ng	99
82) Chrysene	14.02	228	88815	8.658	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	37521	4.572	ng	98
87) Benzo(b)fluoranthene	15.03	252	104428m	12.460	ng	
88) Benzo(k)fluoranthene	15.06	252	38364m	4.635	ng	
89) Benzo(a)pyrene	15.40	252	70509	9.165	ng	97
91) Benzo(a,h,i)perylene	17.39	276	37536	6.168	ng	95

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

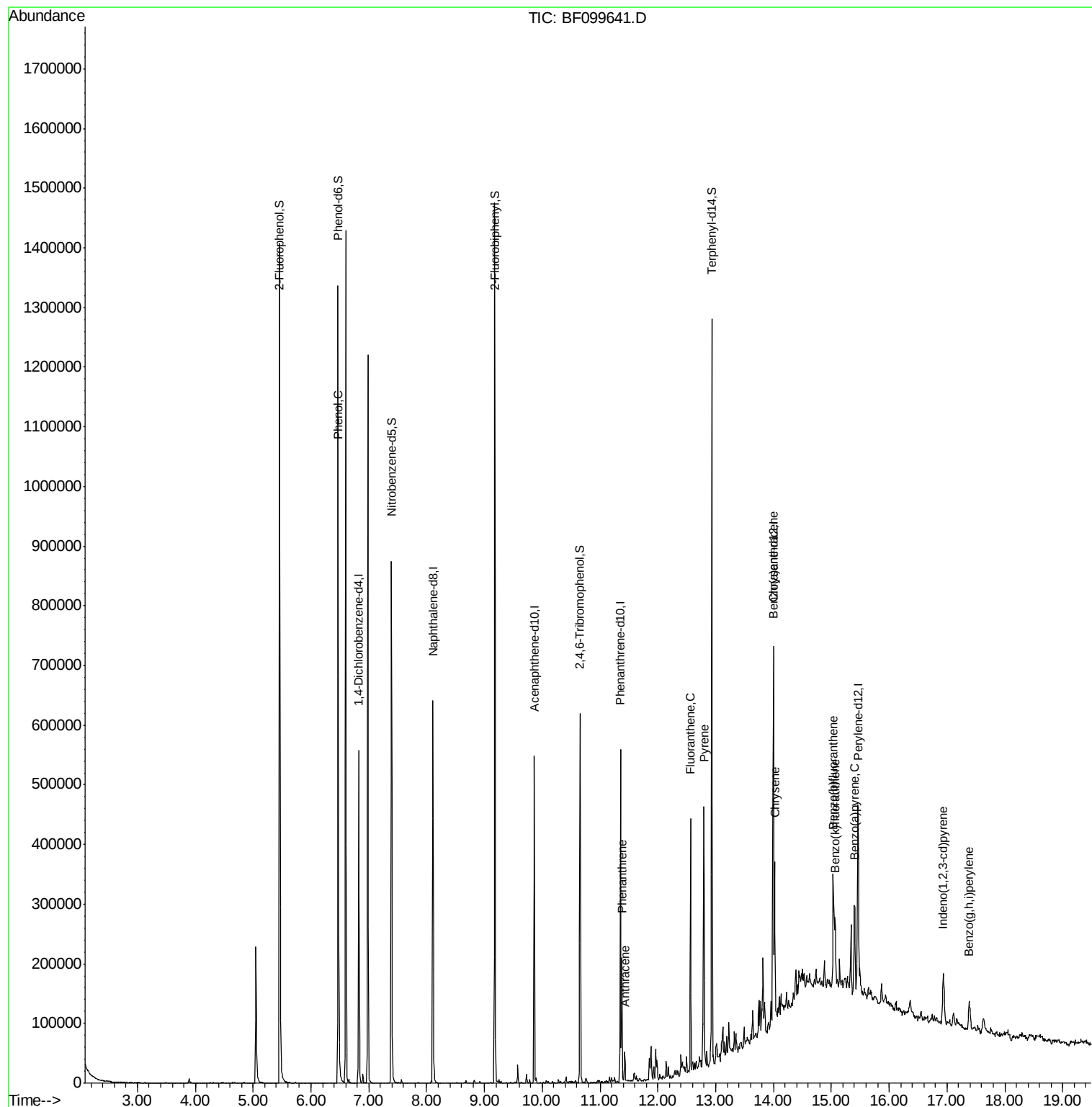
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
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#1

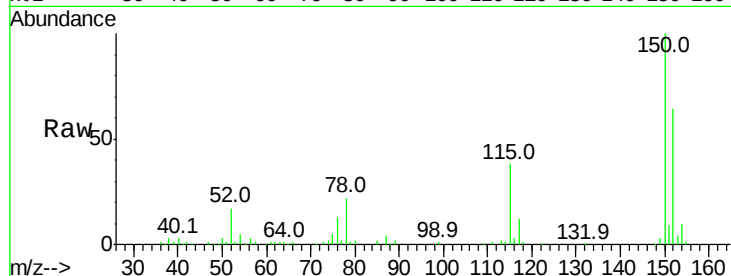
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

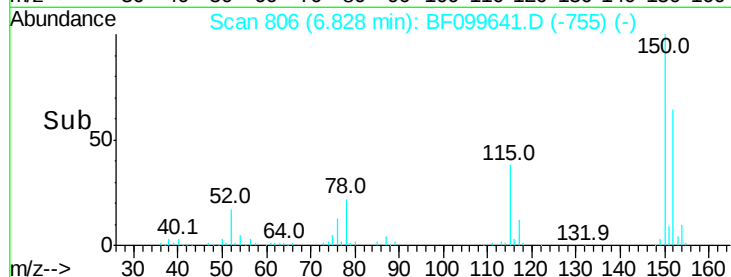
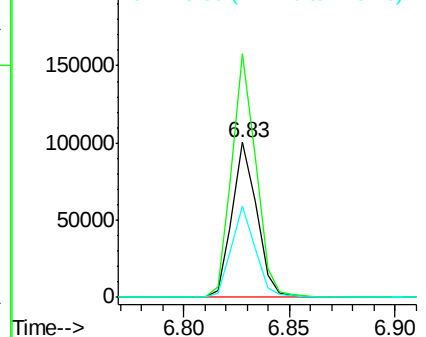
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	59.2	50.1	75.1

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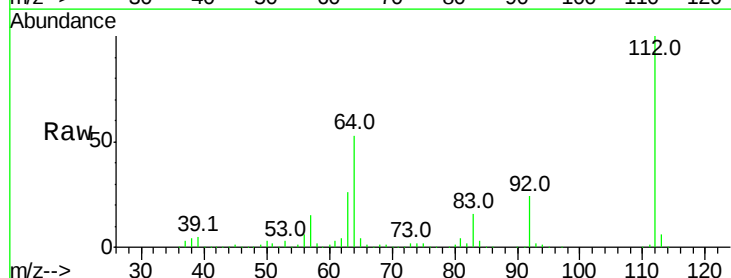
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



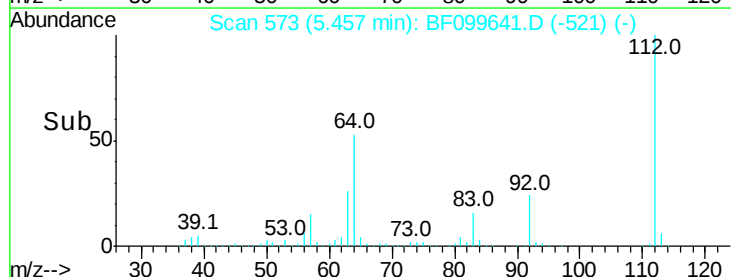
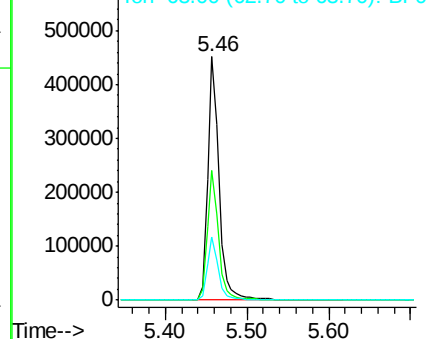
#5

2-Fluorophenol
Concen: 85.957 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	47.9	71.9
63	25.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 77.231 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

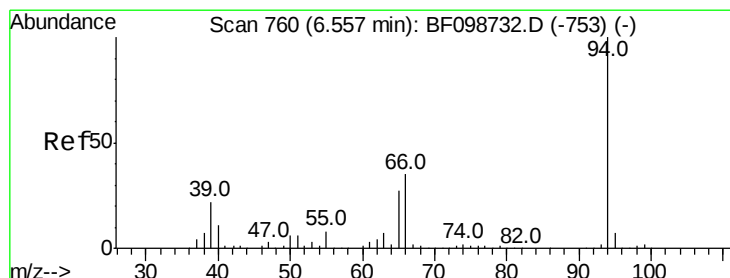
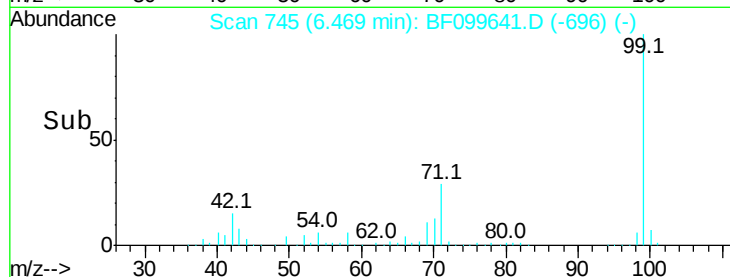
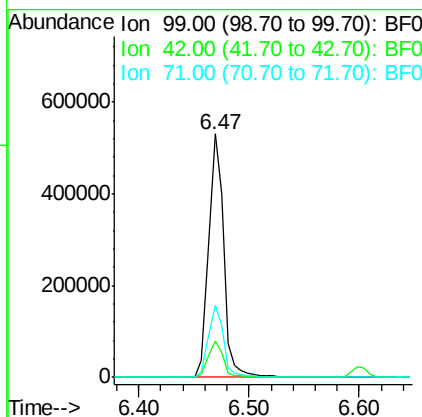
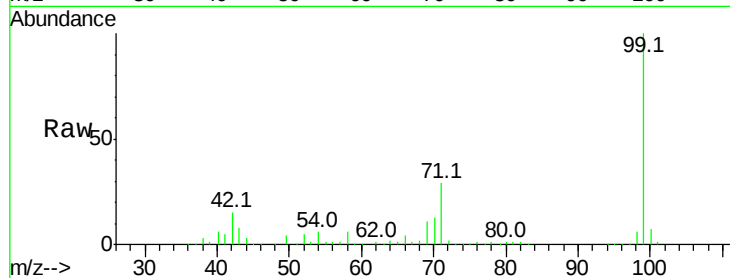
ClientSampleId :

B-19(0-10)COMP

Tot Ion:	99	Resp:	487200
Ion Ratio	Lower	Upper	
99	100		
42	15.0	14.5	21.7
71	29.4	25.4	38.0

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#10

Phenol

Concen: 3.264 ng

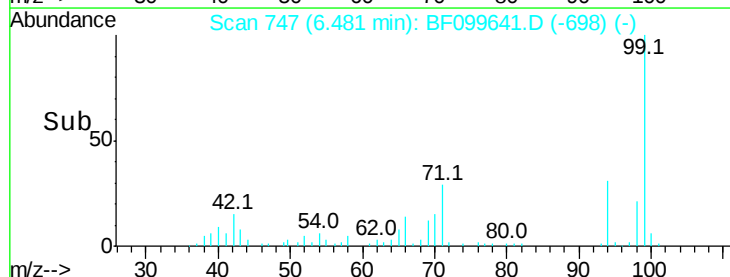
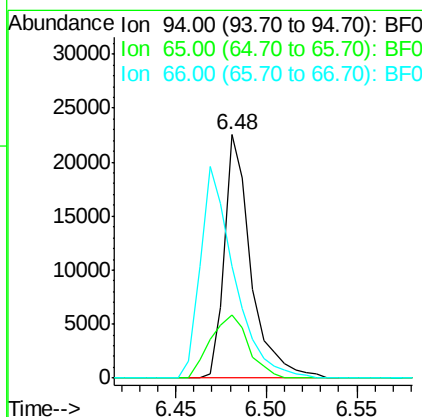
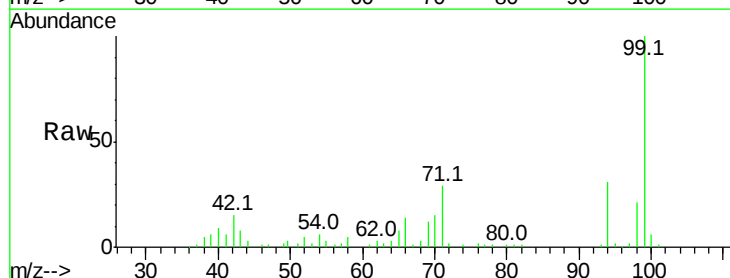
RT: 6.48 min Scan# 747

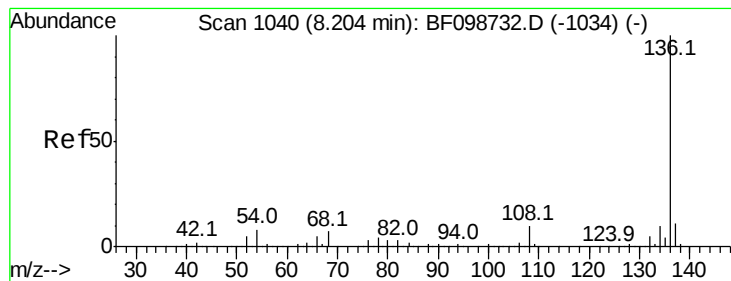
Delta R.T. -0.01 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Tgt Ion:	94	Resp:	23030
Ion Ratio	Lower	Upper	
94	100		
65	25.8	7.9	47.9
66	46.0	16.2	56.2





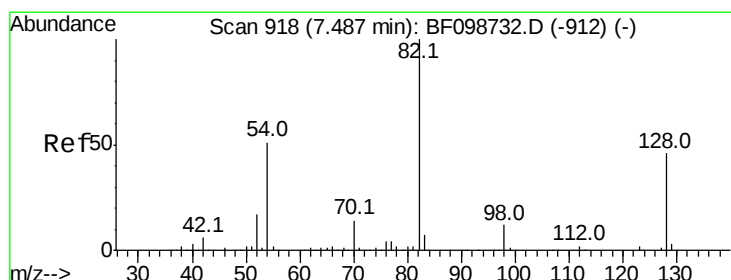
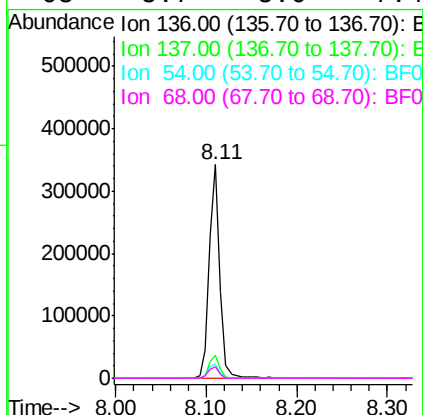
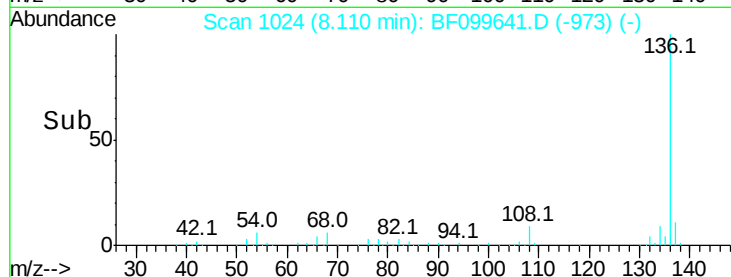
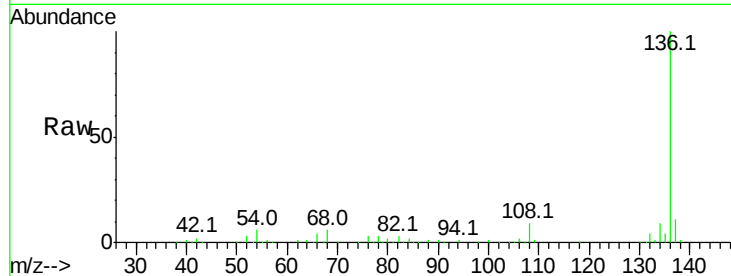
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.4	6.6	9.8#
68	5.7	5.0	7.4

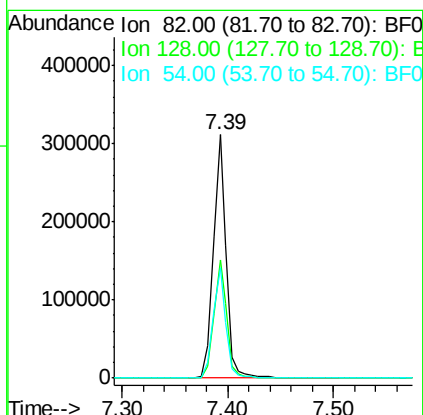
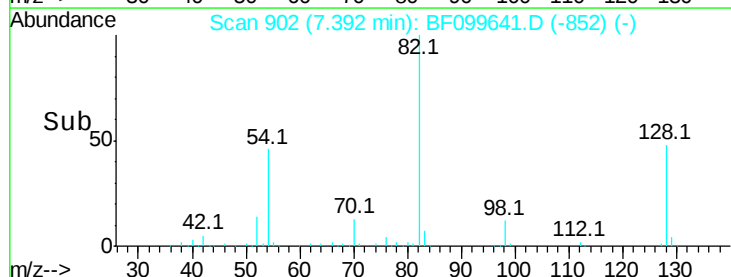
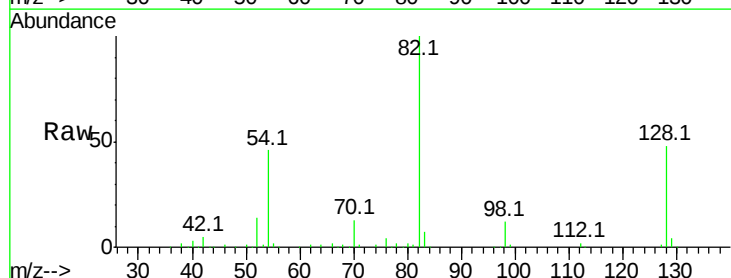
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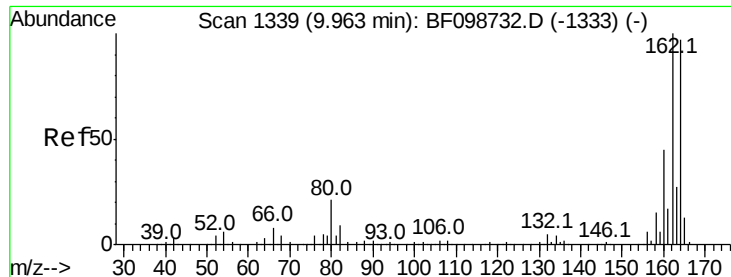
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#23
Nitrobenzene-d5
Concen: 61.060 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.5	36.1	54.1
54	45.6	41.4	62.2





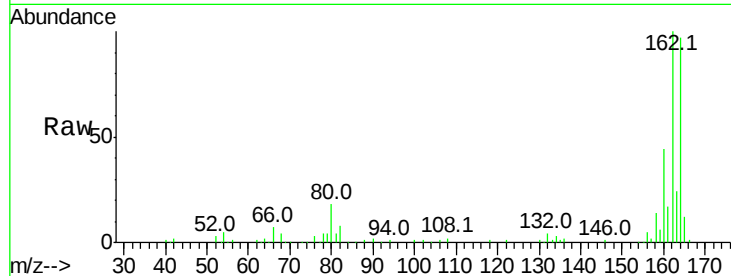
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

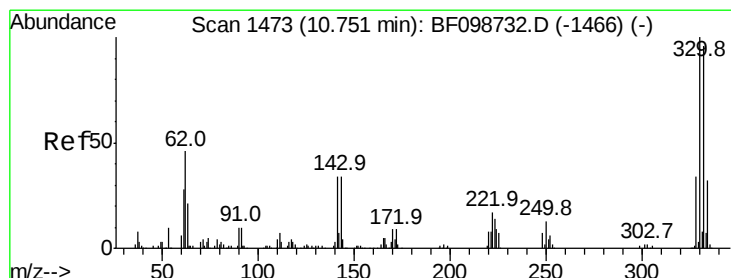
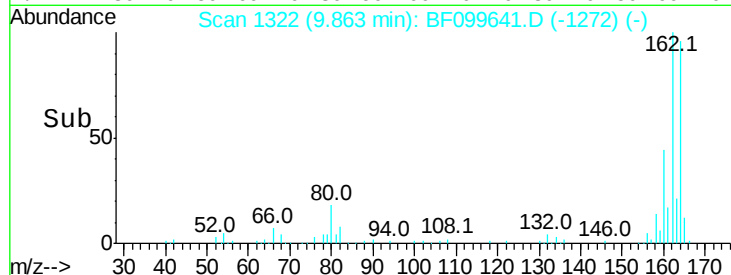
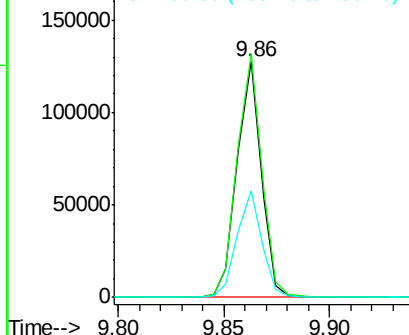
Tot Ion	Ratio	Resp	Lower	Upper
164	100	100774		
162	103.5	86.1	129.1	
160	45.5	38.3	57.5	

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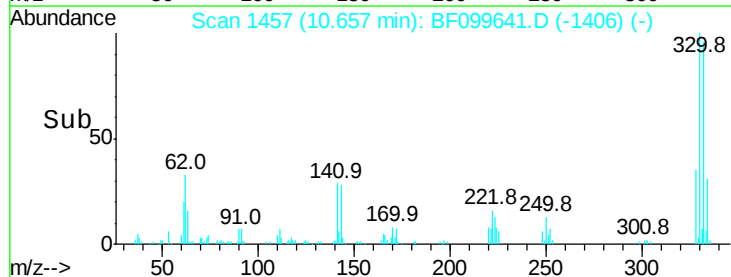
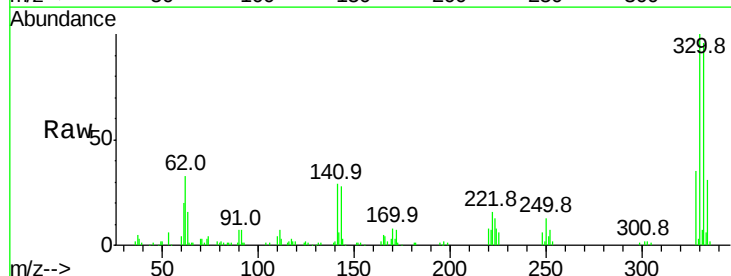
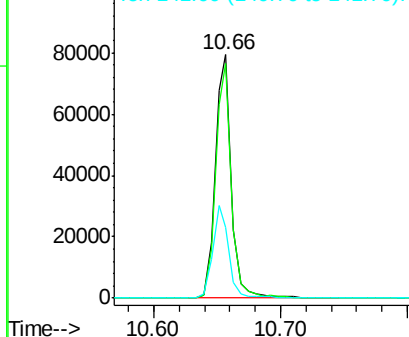
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

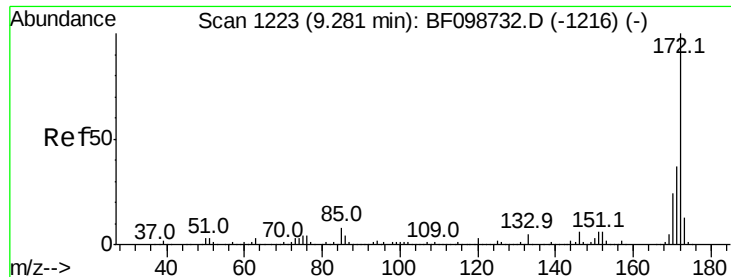


#41
2,4,6-Tribromophenol
Concen: 86.040 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	70949		
332	94.4	77.0	115.6	
141	38.0	29.9	44.9	

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





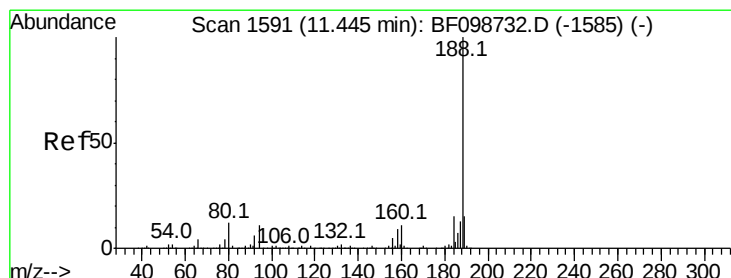
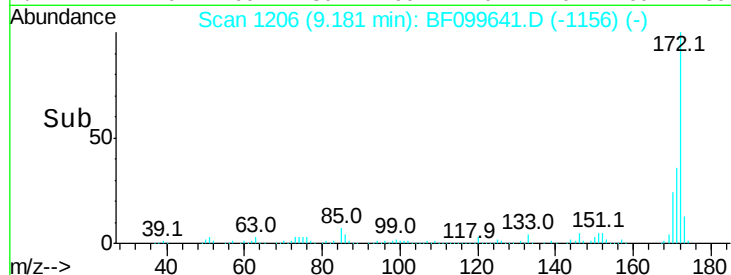
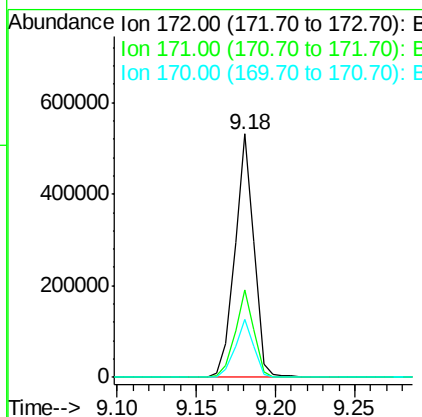
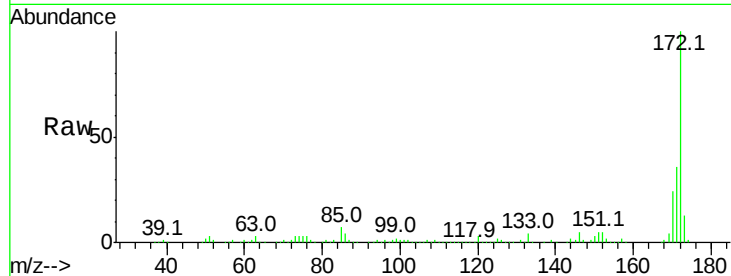
#44
2-Fluorobiphenyl
Concen: 73.246 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
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B-19(0-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	442149		
171	35.7		29.7	44.5
170	23.9		19.6	29.4

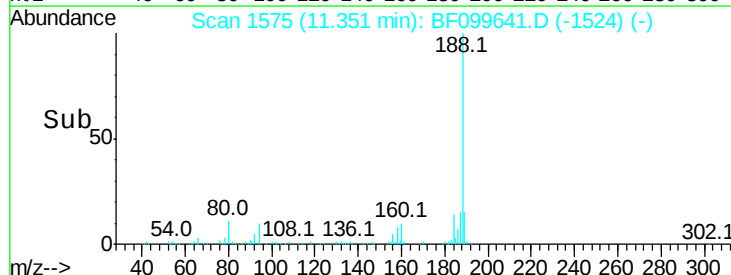
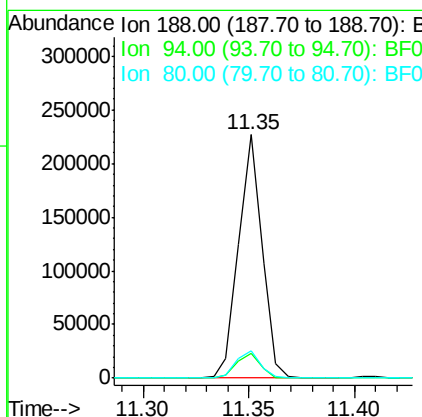
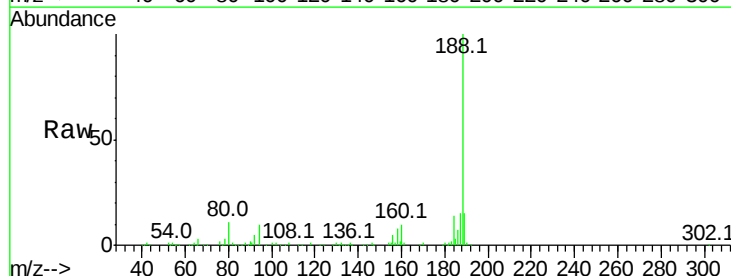
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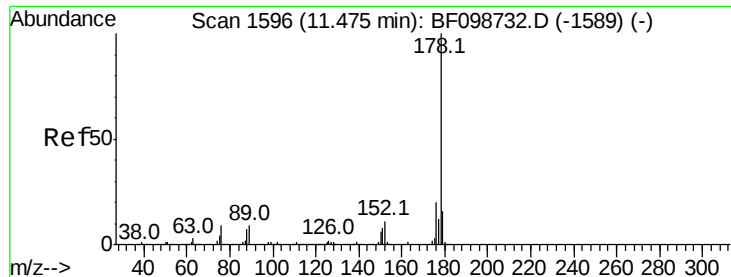
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	175100		
94	10.0		8.5	12.7
80	11.0		9.2	13.8





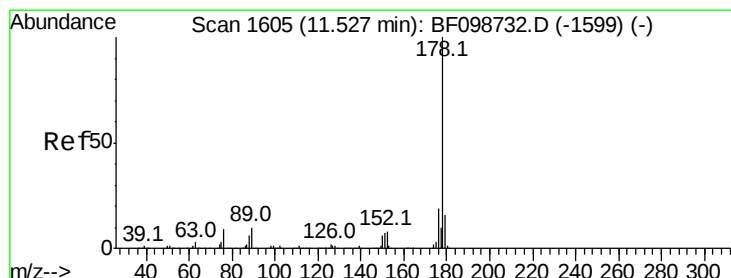
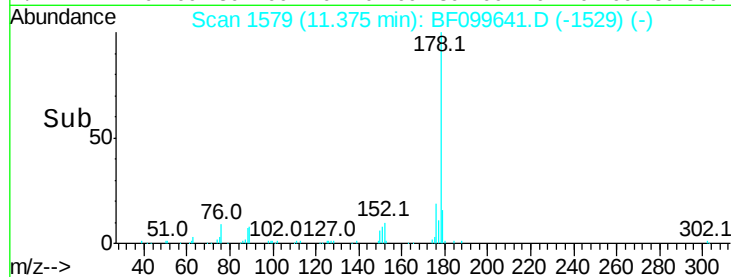
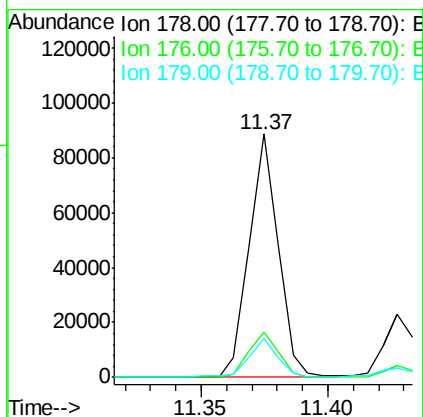
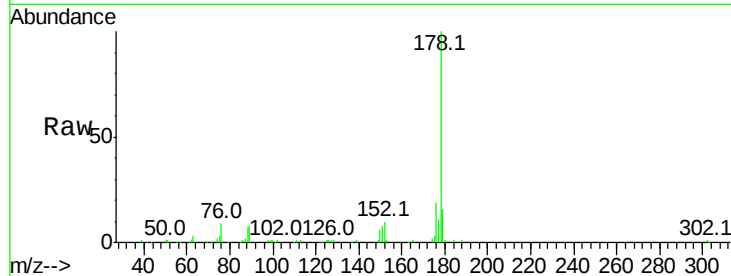
#70
Phenanthrene
Concen: 7.626 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	16.0	13.0	19.6

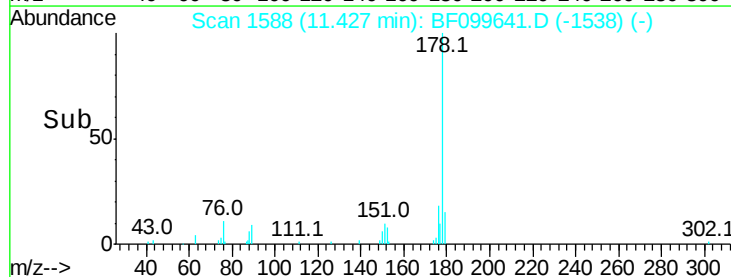
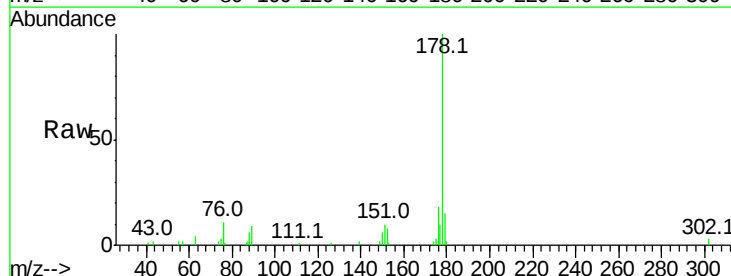
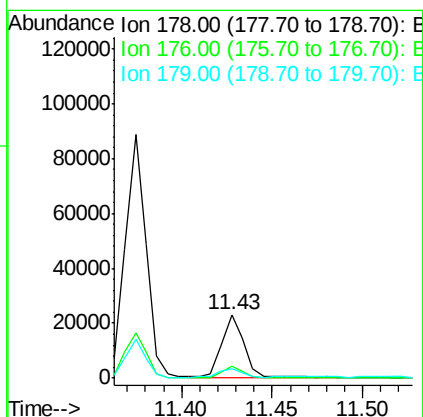
Manual Integrations
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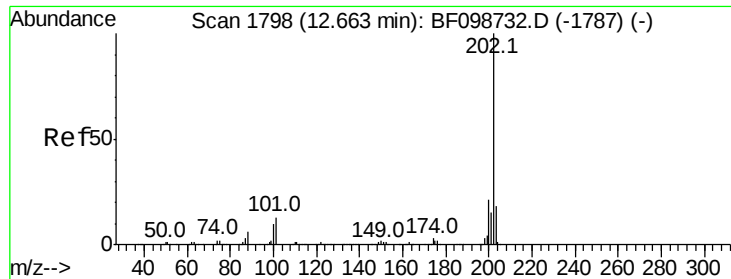
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#71
Anthracene
Concen: 2.135 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 17.860 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

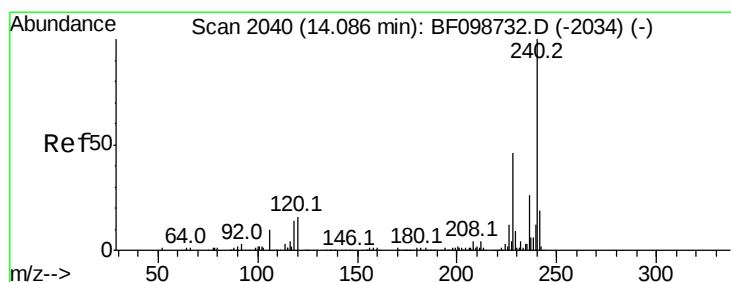
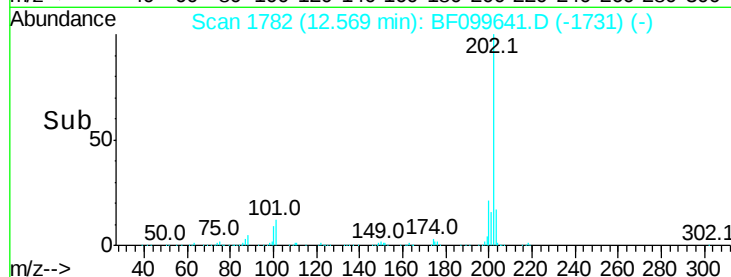
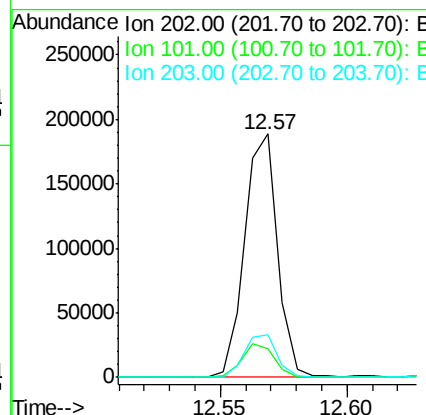
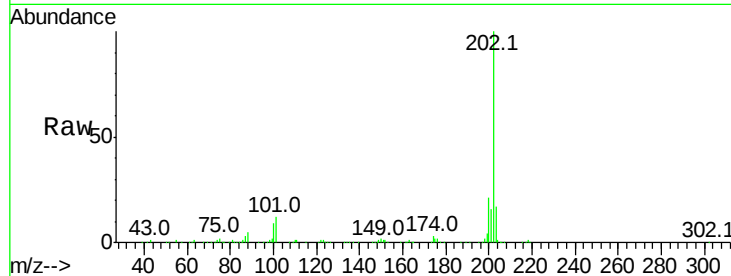
ClientSampleId :

B-19(0-10)COMP

Tot Ion:	202	Resp:	169504
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

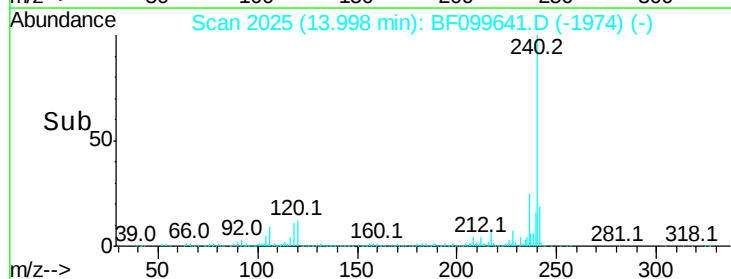
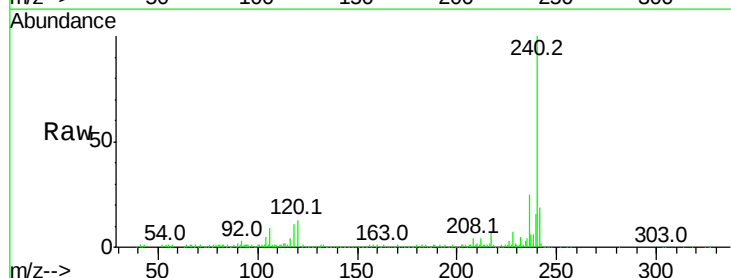
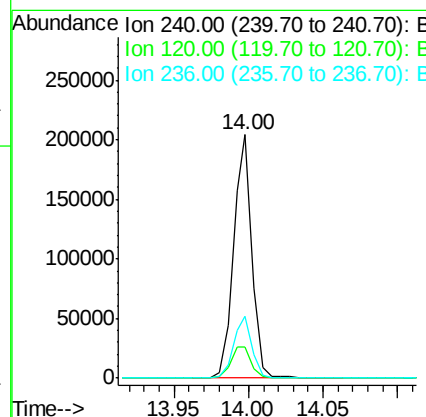
RT: 14.00 min Scan# 2025

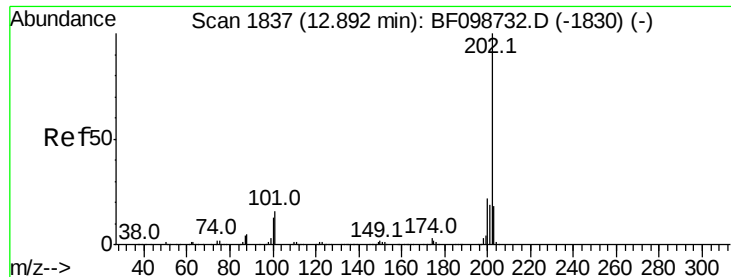
Delta R.T. 0.00 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Tgt Ion:	240	Resp:	177941
Ion Ratio	Lower	Upper	
240	100		
120	12.6	9.5	14.3
236	25.2	20.7	31.1





#77

Pvrene

Concen: 12.395 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF099641.D

Acq: 19 Oct 2017 2:19

Instrument :

BNA_F

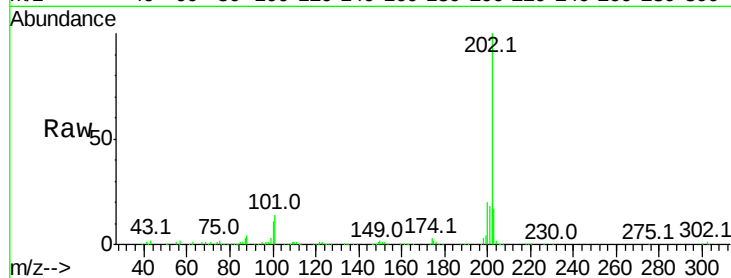
ClientSampleId :

B-19(0-10)COMP

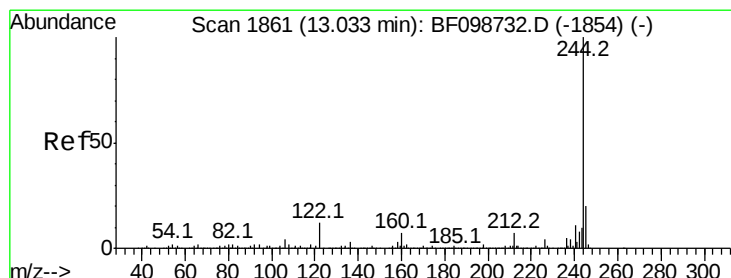
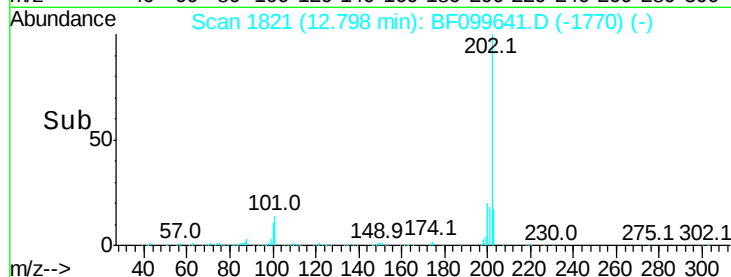
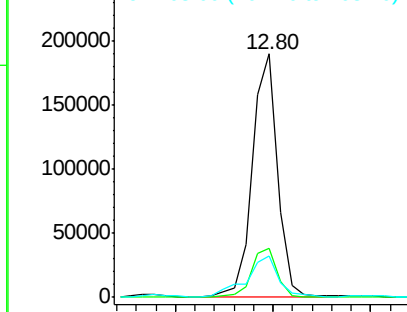
Tot Ion:	202	Resp:	168183
Ion Ratio	Lower	Upper	
202	100		
200	19.9	17.4	26.2
203	17.2	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 47.236 ng

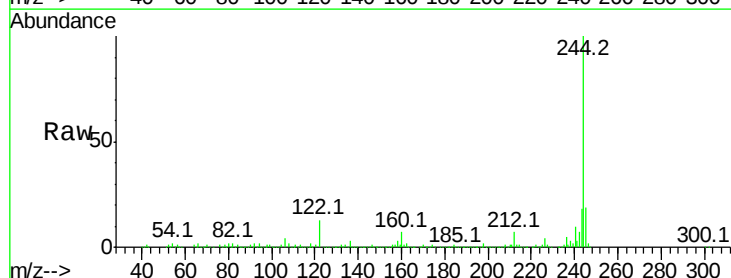
RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

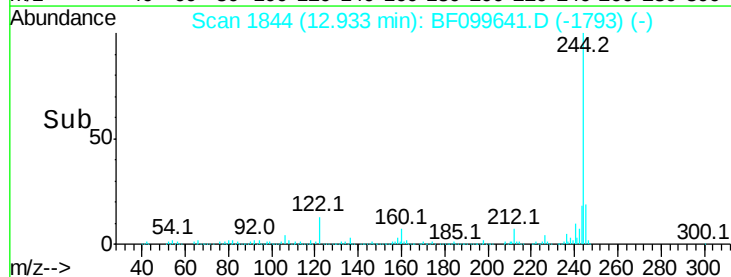
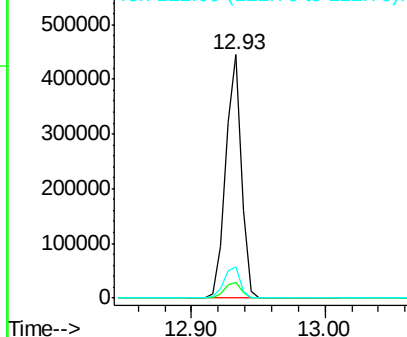
Lab File: BF099641.D

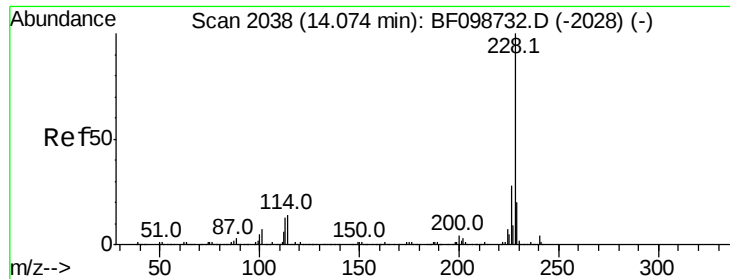
Acq: 19 Oct 2017 2:19

Tgt Ion:	244	Resp:	369593
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	12.6	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





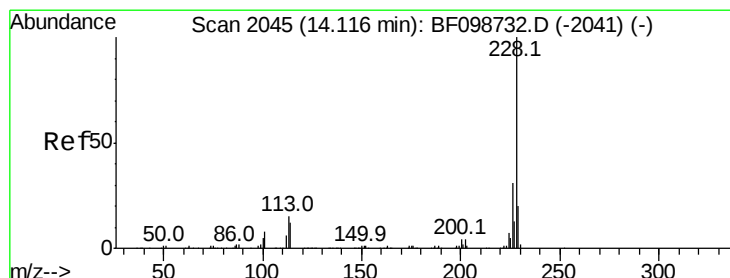
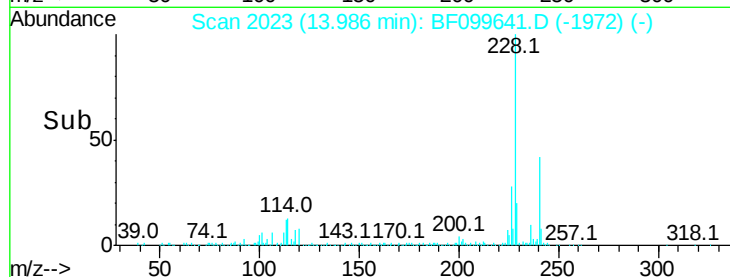
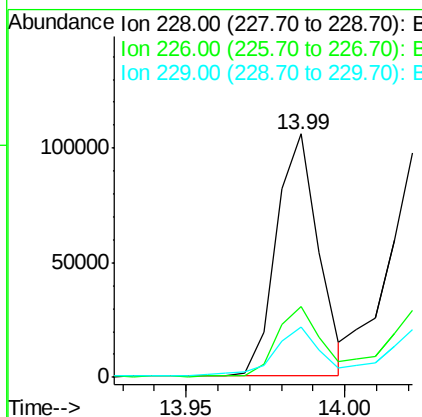
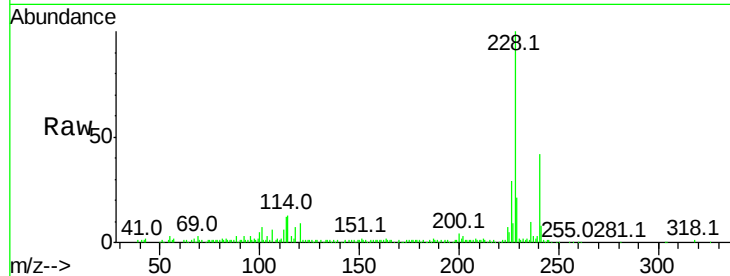
#80
Benzo(a)anthracene
Concen: 9.041 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	20.6	15.8	23.6

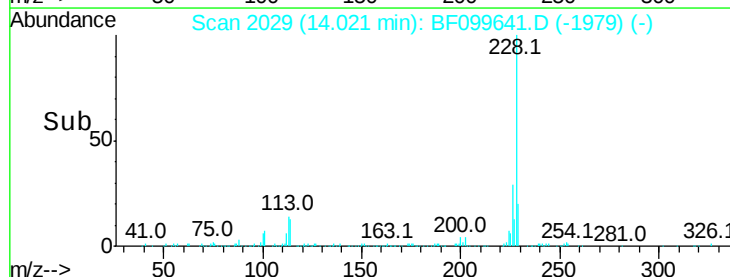
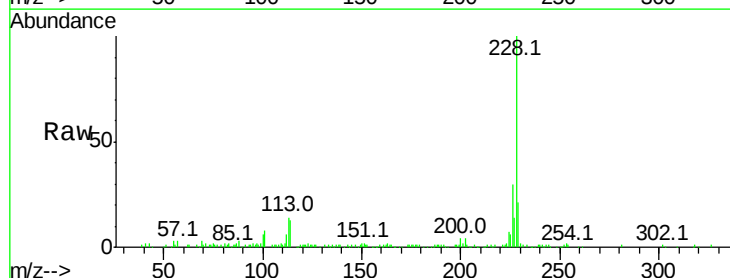
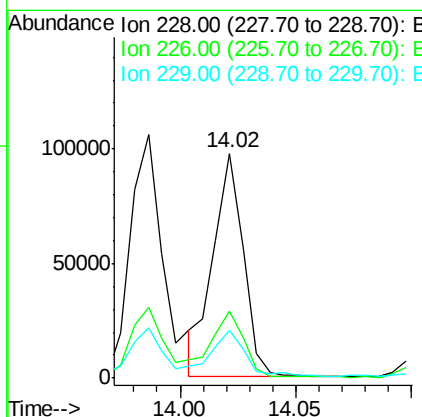
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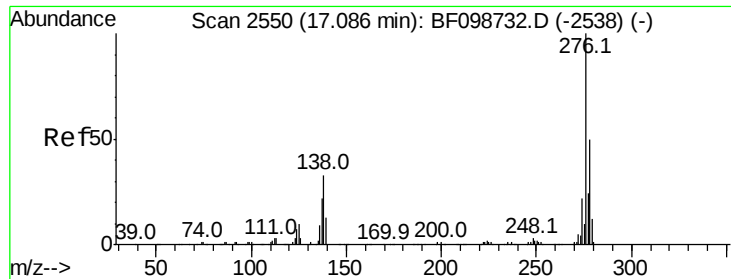
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#82
Chrysene
Concen: 8.658 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	21.2	16.2	24.4





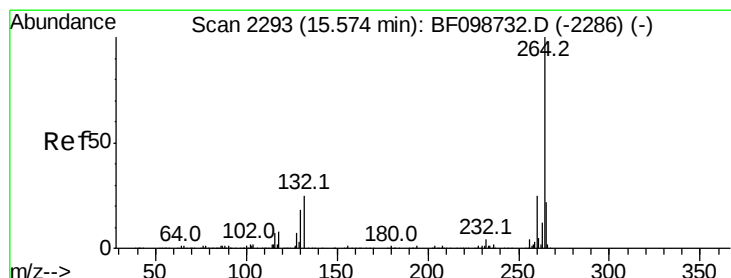
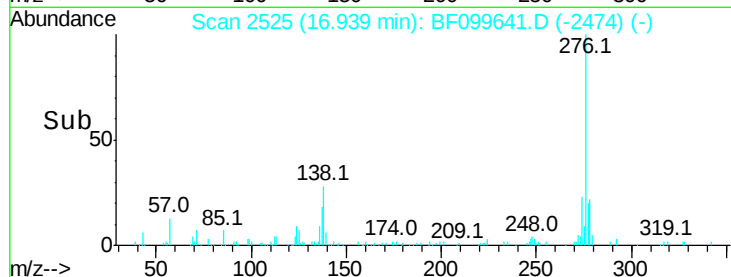
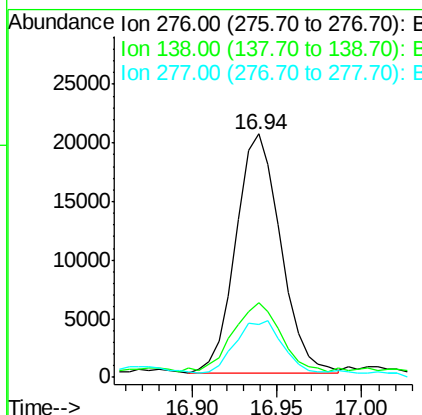
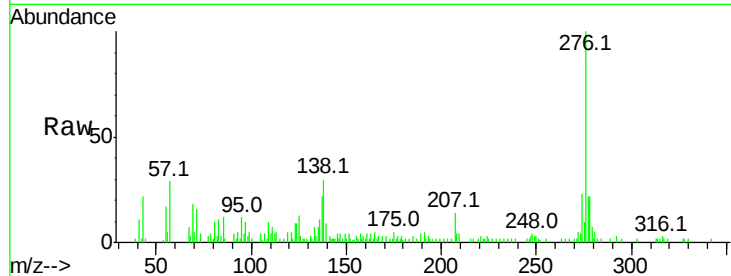
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.572 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. 0.00 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

Instrument :
 BNA_F
 ClientSampleId :
 B-19(0-10)COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.4	25.0	37.6
277	23.7	20.1	30.1

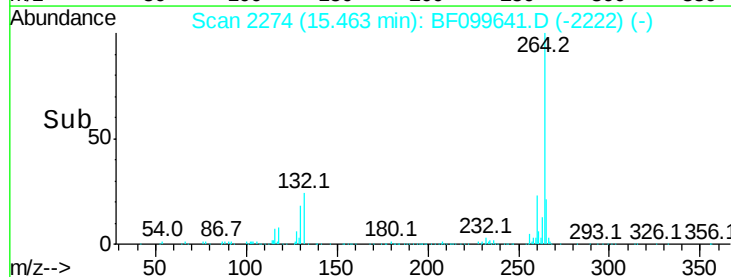
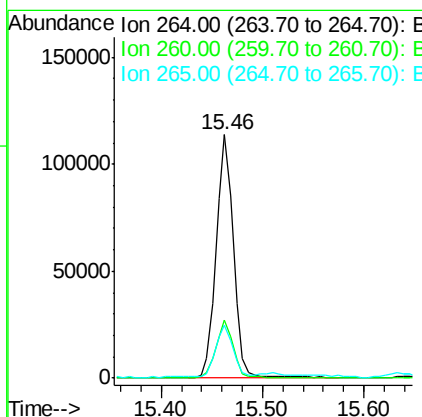
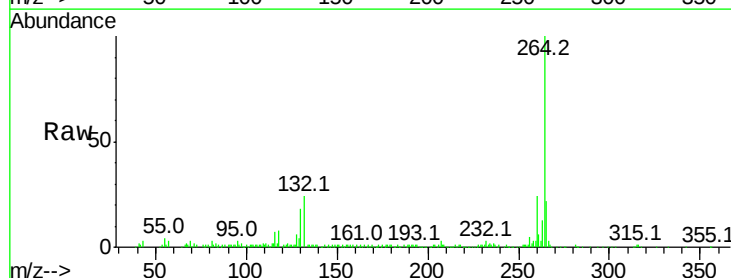
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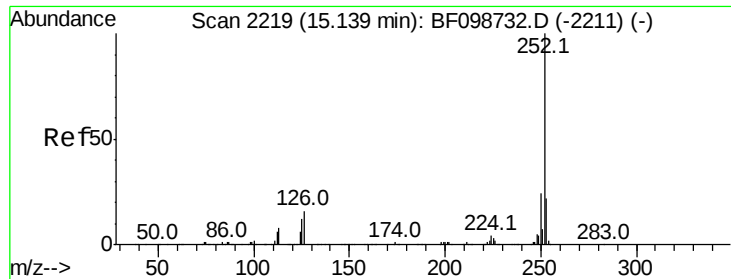
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF099641.D
 Acq: 19 Oct 2017 2:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.5	26.3





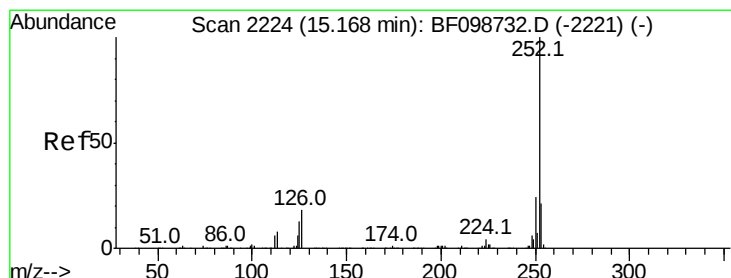
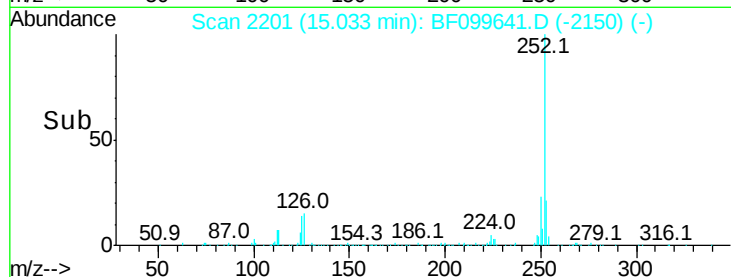
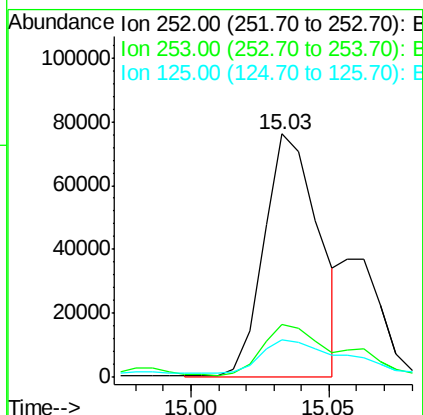
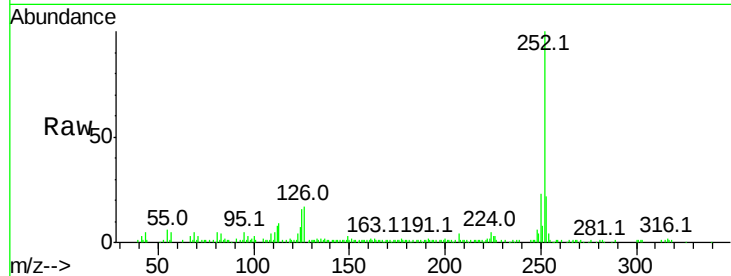
#87
Benzo(b)fluoranthene
Concen: 12.460 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	15.6	9.0	13.6#

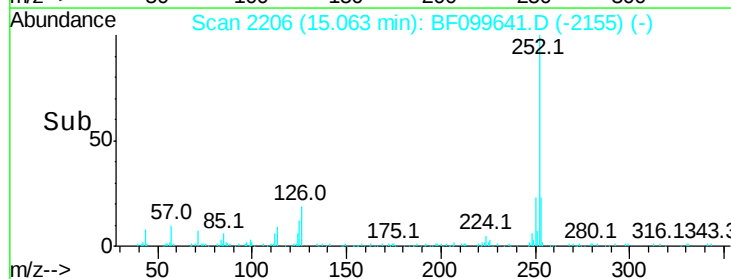
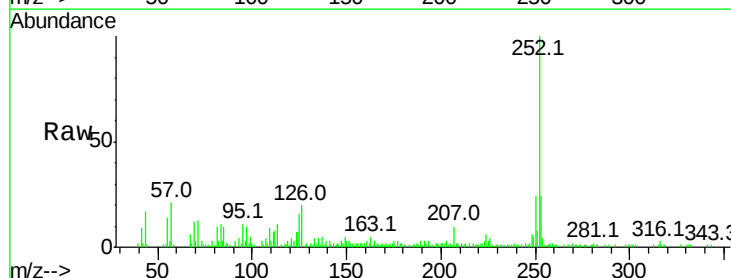
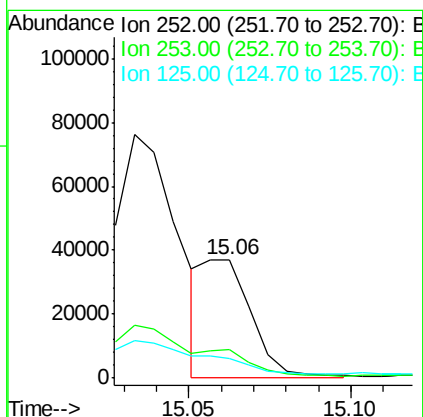
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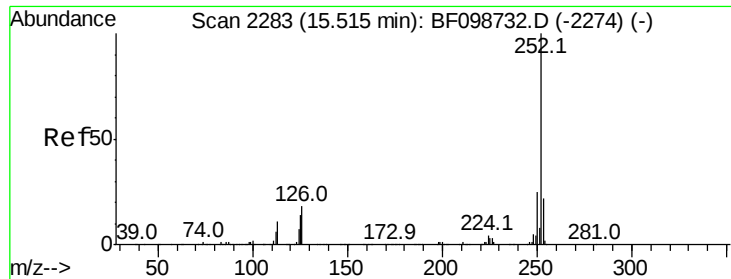
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#88
Benzo(k)fluoranthene
Concen: 4.635 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	16.1	10.2	15.2#





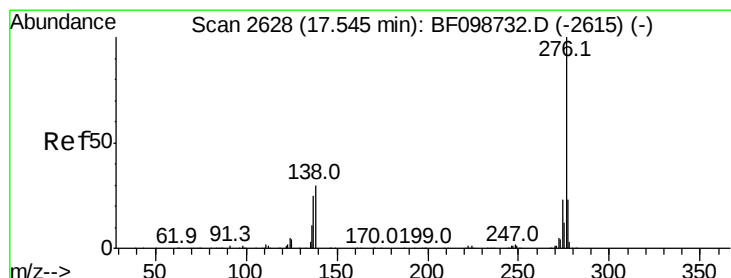
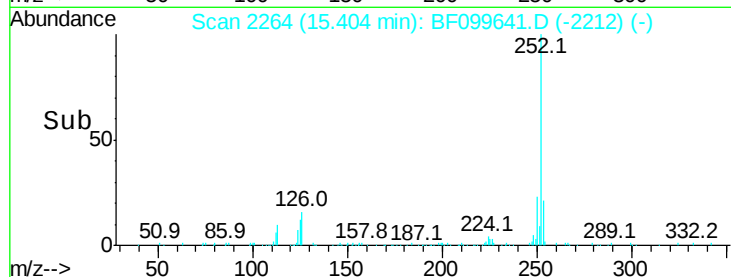
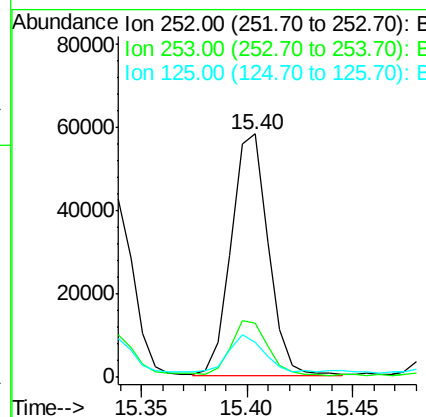
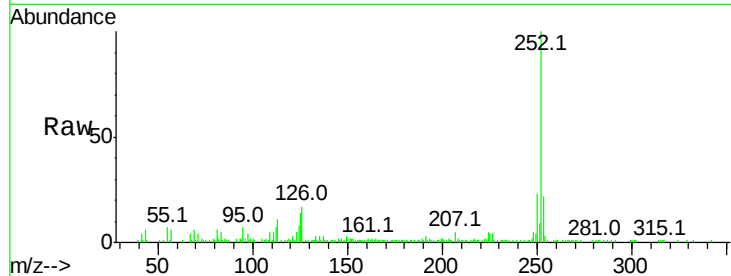
#89
Benzo(a)pyrene
Concen: 9.165 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Instrument :
BNA_F
ClientSampleId :
B-19(0-10)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	14.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.168 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.01 min
Lab File: BF099641.D
Acq: 19 Oct 2017 2:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	31.3	21.8	32.8

