

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
 Data File : BF099278.D
 Acq On : 9 Oct 2017 22:38
 Operator : SJ/JU
 Sample : I5715-04 50X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-B

Manual Integrations
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Sohil
 10/10/2017 5:00:41 PM

Quant Time: Oct 10 02:52:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	92511	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	373304	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	158392	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	242433	20.00	ng	0.00
75) Chrysene-d12	14.03	240	174099	20.00	ng	0.00
86) Perylene-d12	15.50	264	178466	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	10191	1.75	ng	0.00
7) Phenol-d6	6.49	99	13026	1.82	ng	0.00
23) Nitrobenzene-d5	7.43	82	7020	1.21	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	1438	1.11	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	17241	1.82	ng	-0.01
78) Terphenyl-d14	12.96	244	11810	1.54	ng	-0.01
Target Compounds						
70) Phenanthrene	11.41	178	96220	7.415	ng	97
71) Anthracene	11.46	178	39587	2.981	ng	99
74) Fluoranthene	12.60	202	188832	14.370	ng	99
77) Pyrene	12.83	202	160045	12.055	ng	99
80) Benzo(a)anthracene	14.02	228	102322	9.706	ng	98
82) Chrysene	14.05	228	79767	7.948	ng	96
85) Indeno(1,2,3-cd)pyrene	16.99	276	40421	5.035	ng	98
87) Benzo(b)fluoranthene	15.07	252	116265m	10.596	ng	
88) Benzo(k)fluoranthene	15.09	252	43335m	3.998	ng	
89) Benzo(a)pyrene	15.44	252	80372	7.980	ng	97
91) Benzo(g,h,i)perylene	17.43	276	34614	4.344	ng	# 92

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

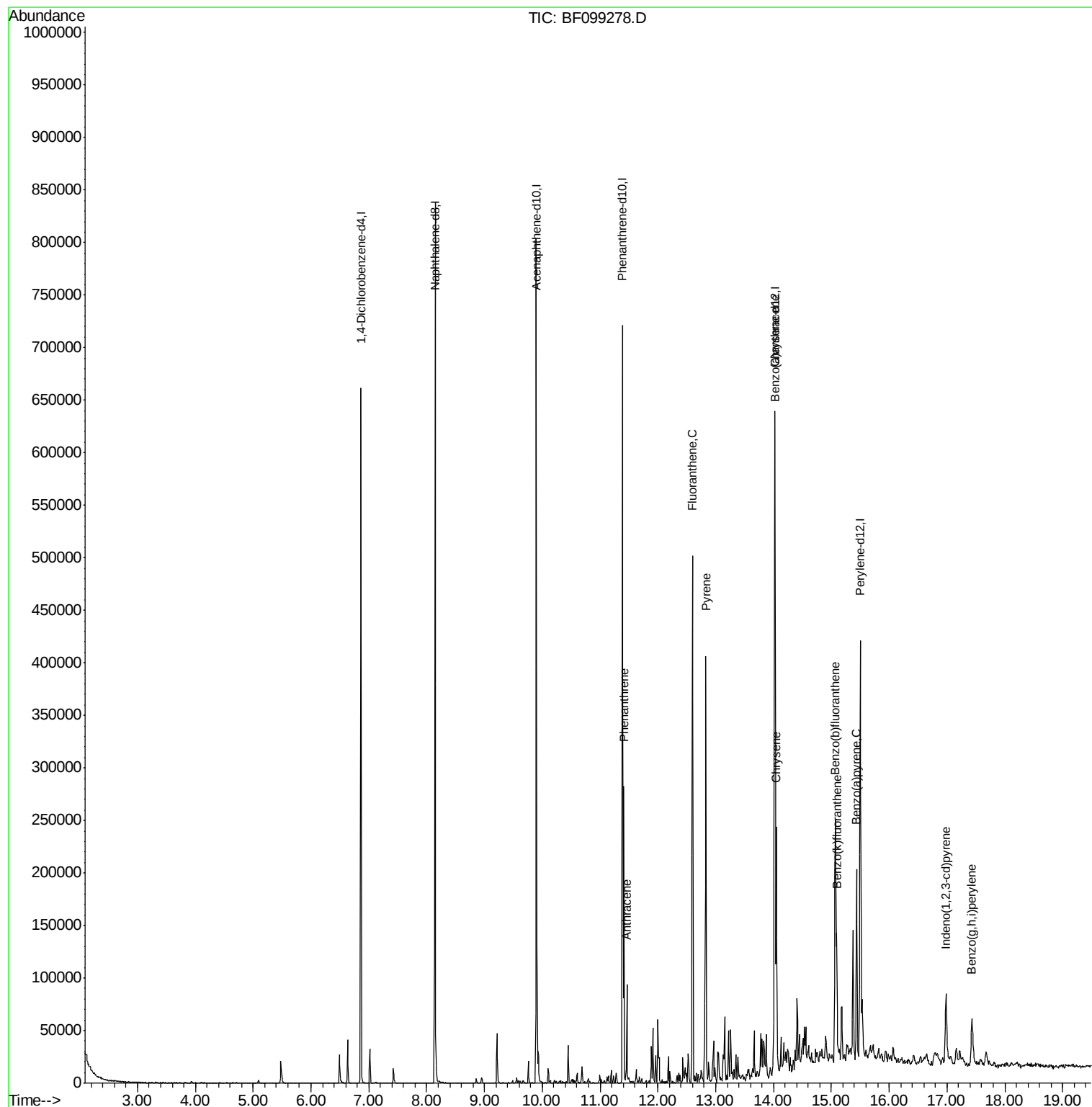
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100917\
Data File : BF099278.D
Acq On : 9 Oct 2017 22:38
Operator : SJ/JU
Sample : I5715-04 50X
Misc :
ALS Vial : 21 Sample Multiplier: 1

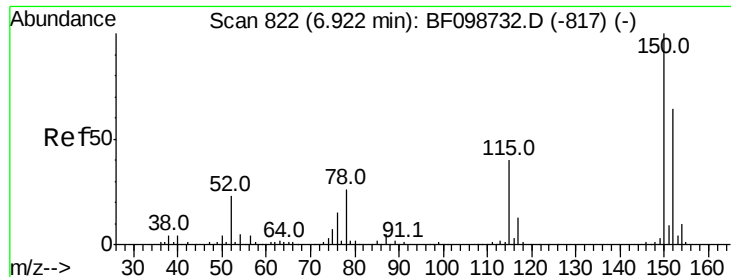
Instrument :
BNA_F
ClientSampleId :
PL-02-100517-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

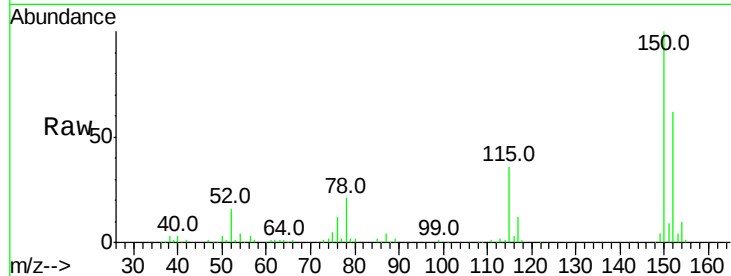
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099278.D
Acq: 9 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-B

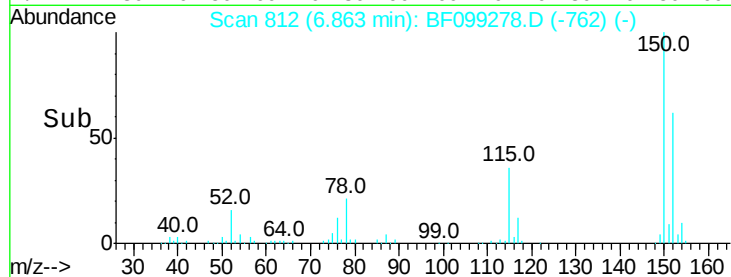
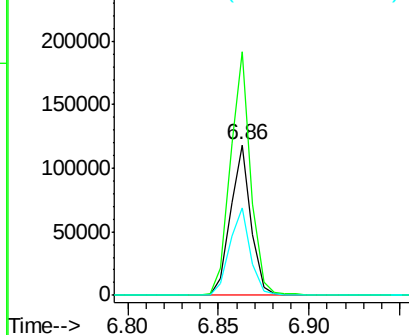
Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	124.6	186.8
115	57.9	50.1	75.1

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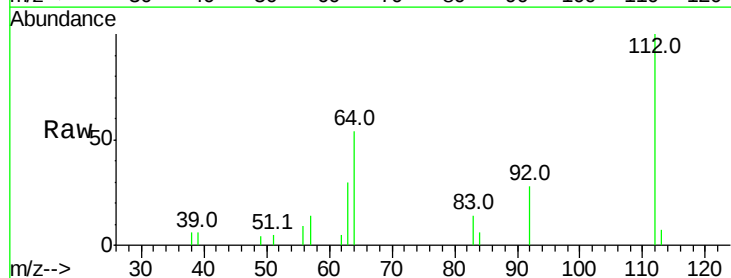
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



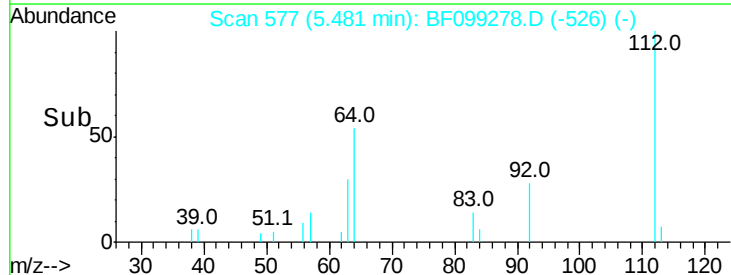
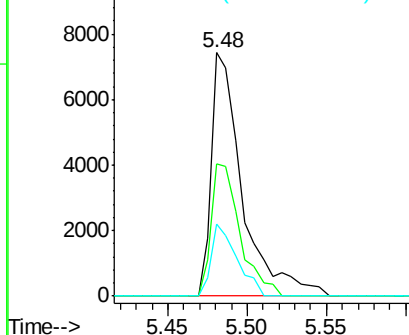
#5

2-Fluorophenol
Concen: 1.754 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF099278.D
Acq: 9 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	47.9	71.9
63	29.7	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: 1.817 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099278.D

Acq: 9 Oct 2017 22:38

Instrument :

BNA_F

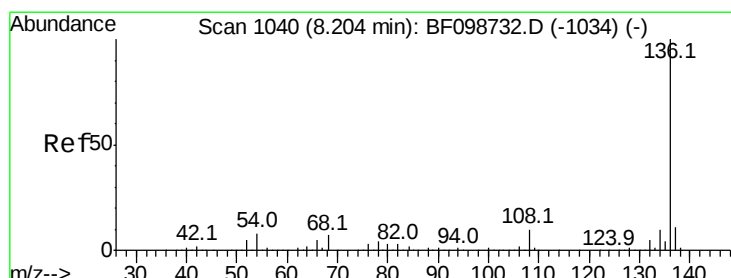
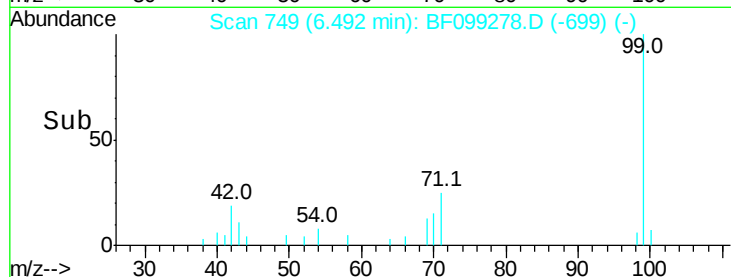
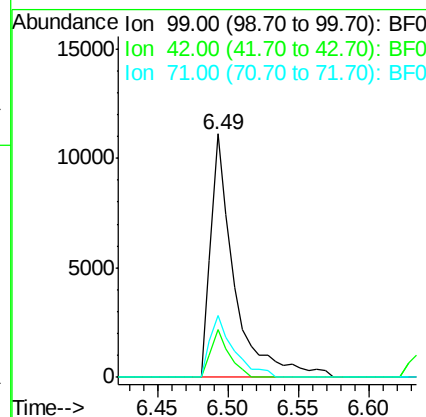
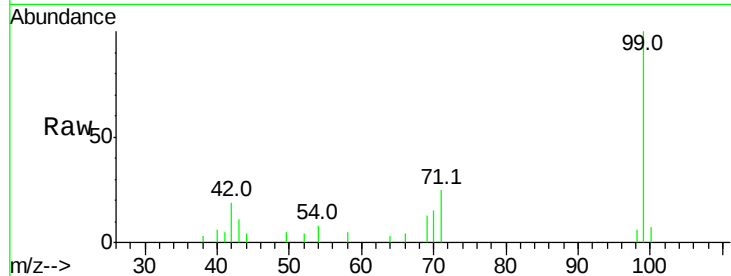
ClientSampleId :

PL-02-100517-B

Tot Ion:	99	Resp:	13026
Ion	Ratio	Lower	Upper
99	100		
42	19.4	14.5	21.7
71	25.3	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

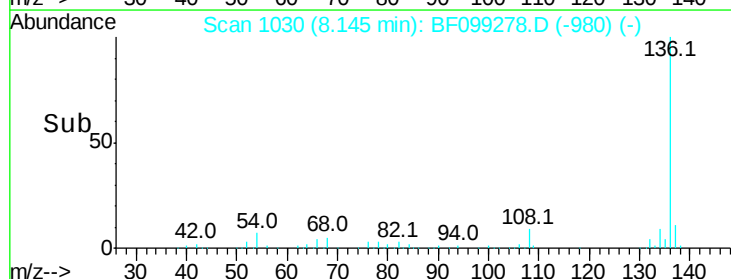
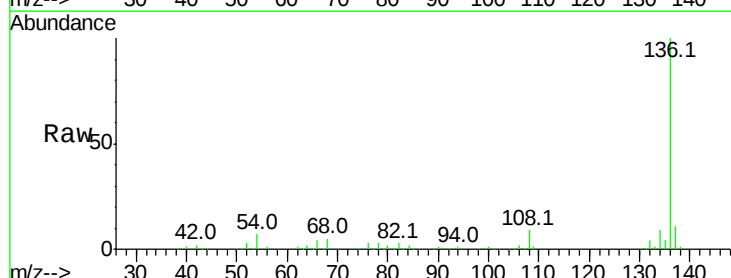
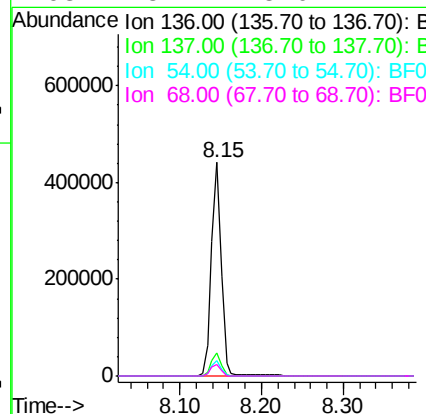
RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099278.D

Acq: 9 Oct 2017 22:38

Tgt Ion:	136	Resp:	373304
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.9	6.6	9.8
68	5.4	5.0	7.4





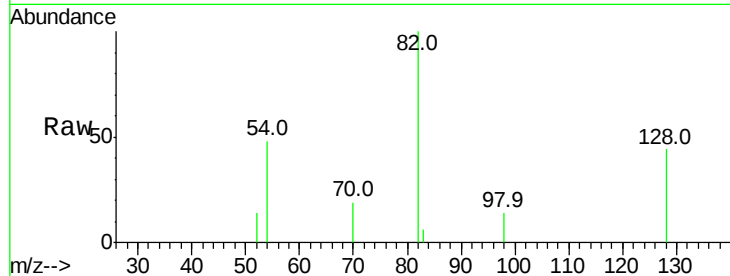
#23
Nitrobenzene-d5
Concen: 1.206 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099278.D
Acq: 9 Oct 2017 22:38

Instrument :
BNA_F
ClientSampled :
PL-02-100517-B

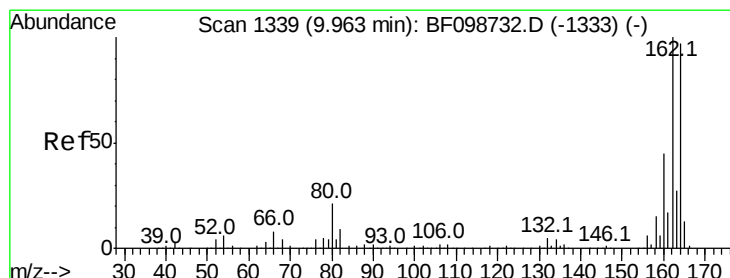
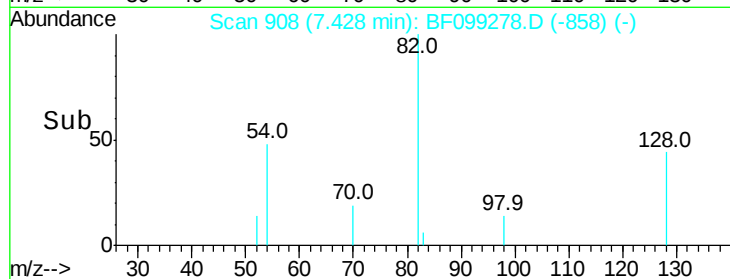
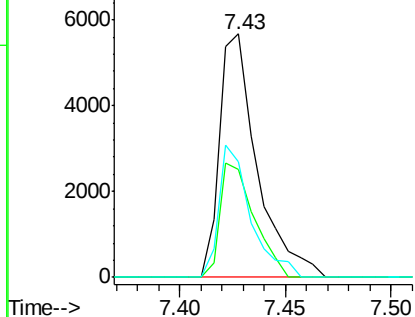
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	47.6	41.4	62.2

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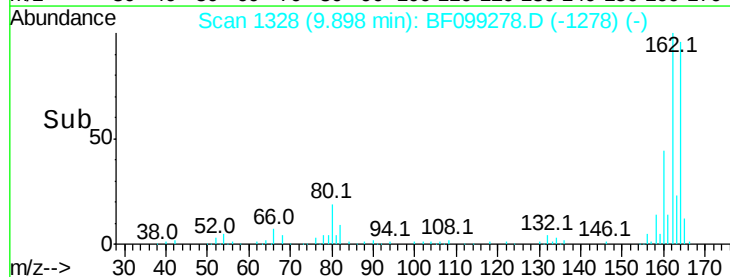
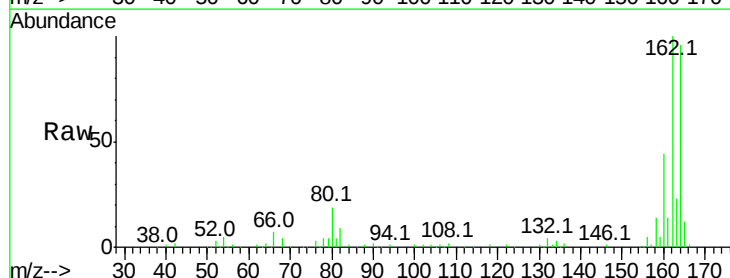
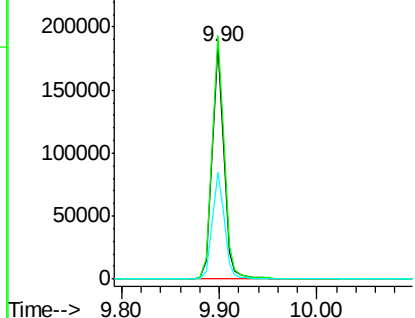
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099278.D
Acq: 9 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	45.8	38.3	57.5

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





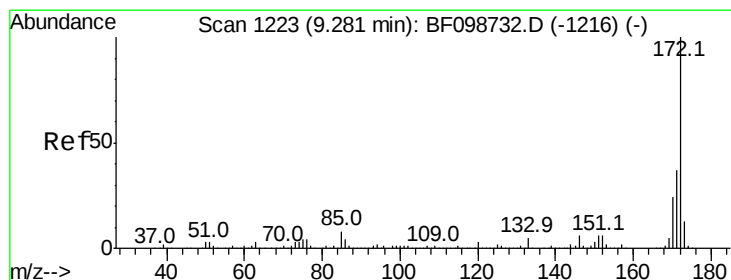
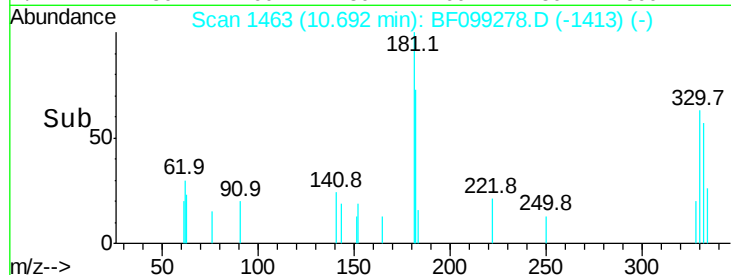
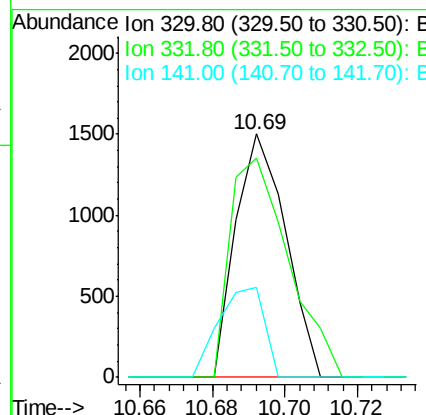
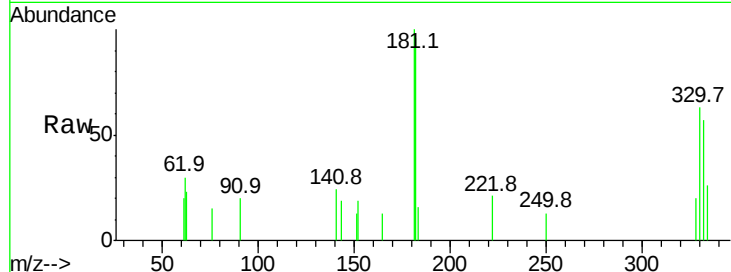
#41
 2,4,6-Tribromophenol
 Concen: 1.110 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099278.D
 Acq: 9 Oct 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	106.1	77.0	115.6
141	34.1	29.9	44.9

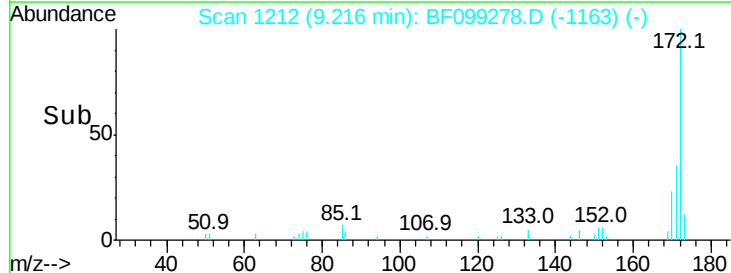
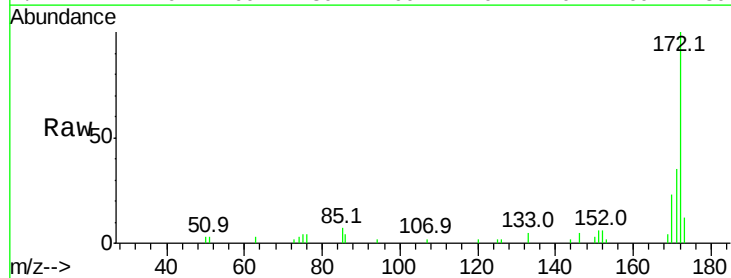
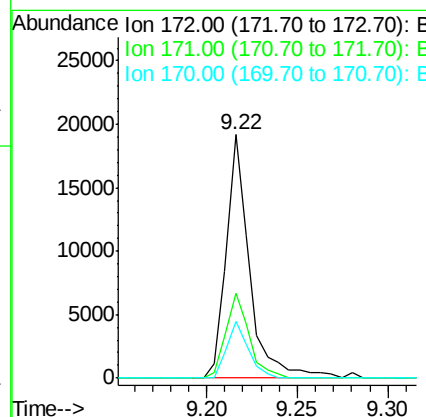
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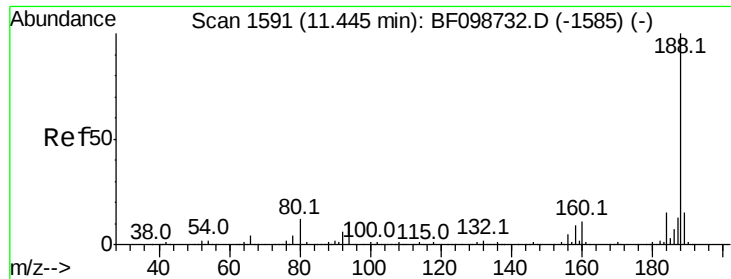
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#44
 2-Fluorobiphenyl
 Concen: 1.817 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099278.D
 Acq: 9 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.3	19.6	29.4





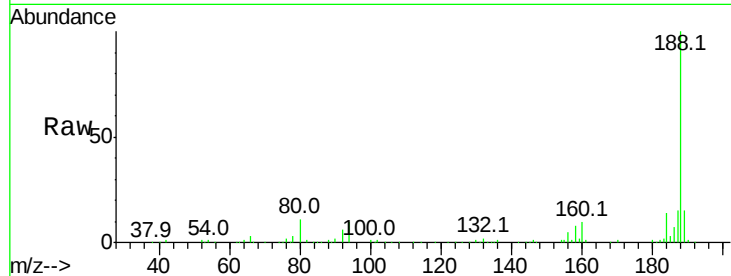
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099278.D
Acq: 9 Oct 2017 22:38

Instrument :
BNA_F
ClientSampled :
PL-02-100517-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	242433		
94	10.2		8.5	12.7
80	11.1		9.2	13.8

Manual Integrations
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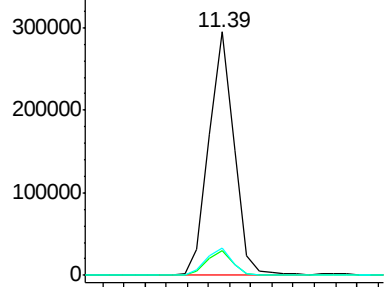
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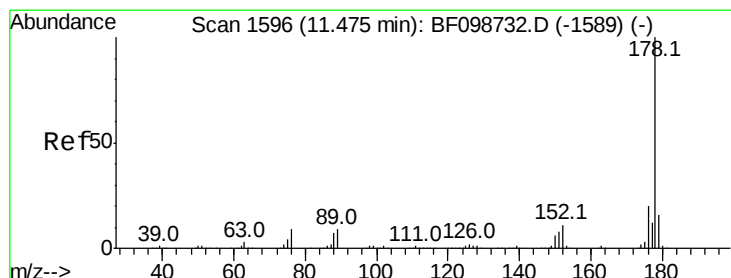
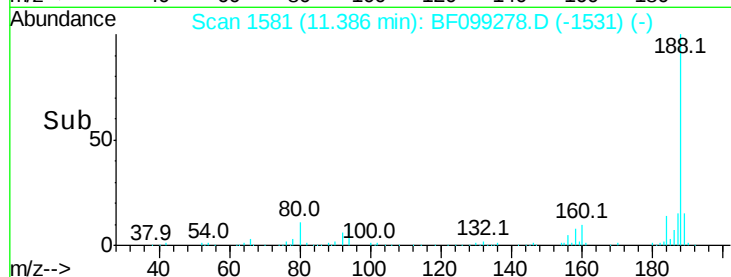
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

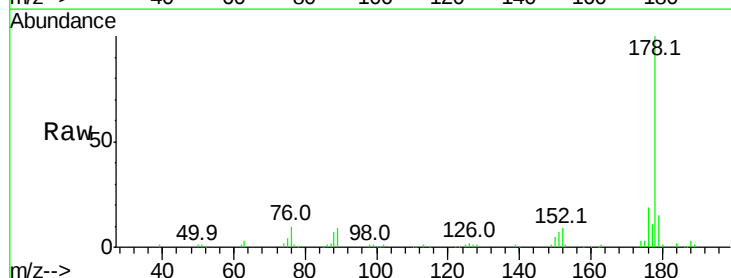


Time-->



#70
Phenanthrene
Concen: 7.415 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099278.D
Acq: 9 Oct 2017 22:38

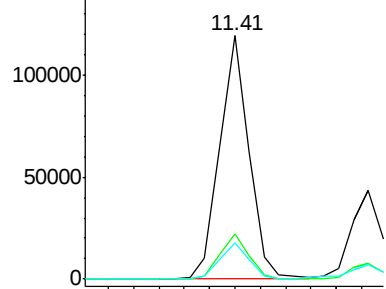
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	96220		
176	18.7		15.8	23.8
179	15.0		13.0	19.6



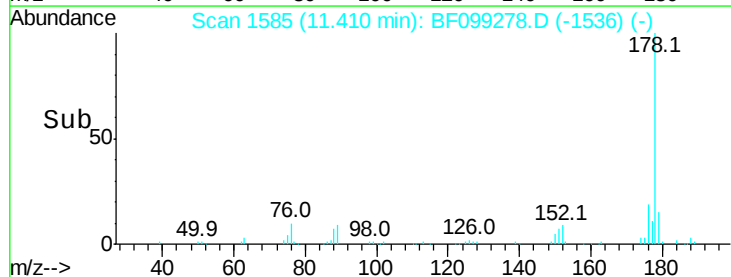
Abundance Ion 178.00 (177.70 to 178.70): E

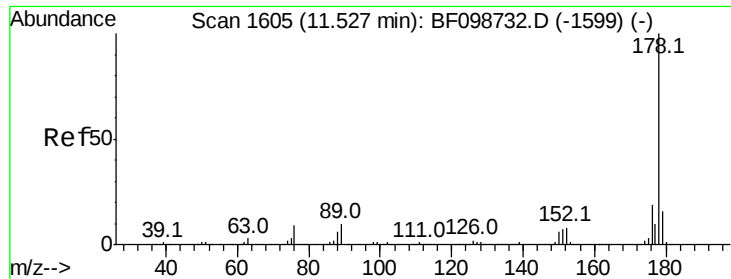
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





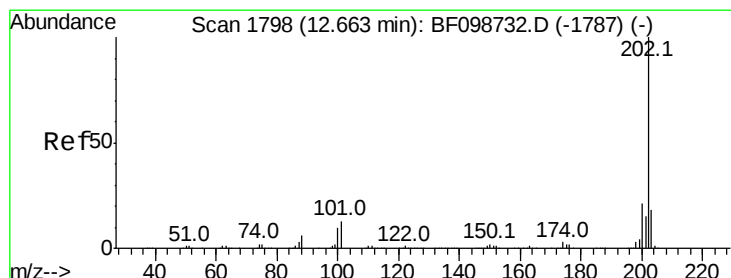
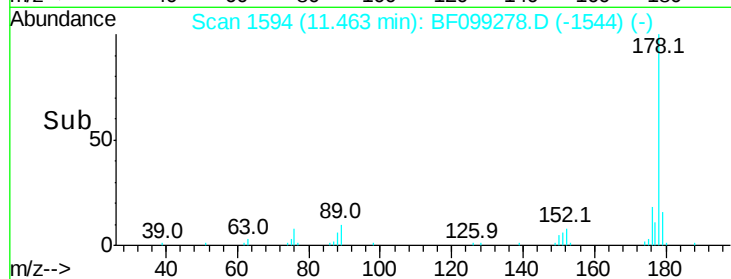
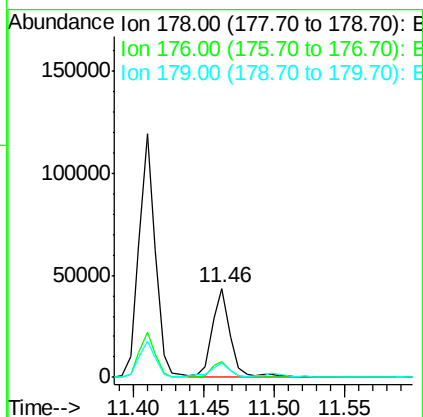
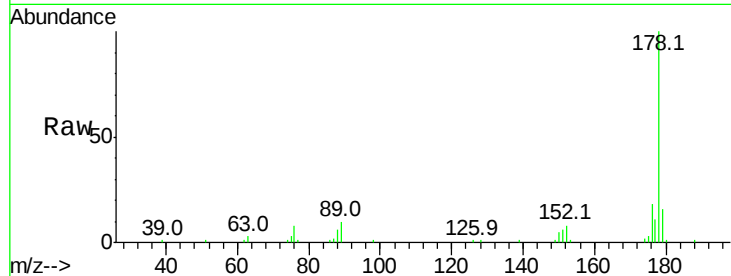
#71
 Anthracene
 Concen: 2.981 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099278.D
 Acq: 9 Oct 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.9	12.6	19.0

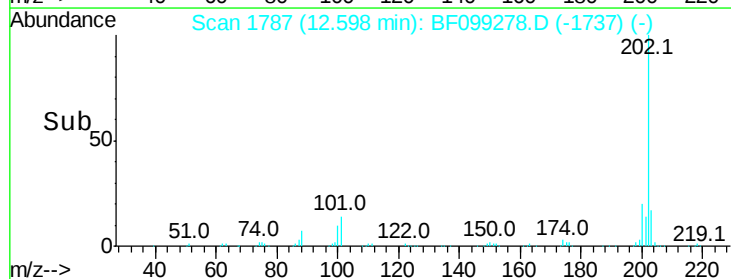
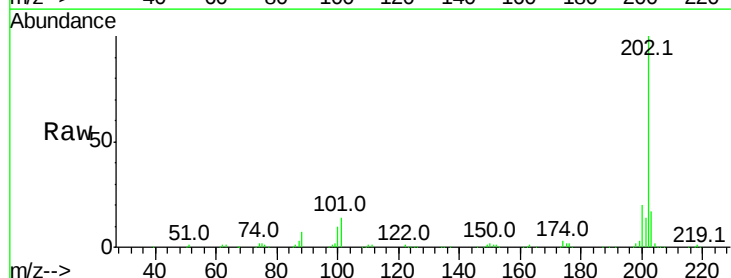
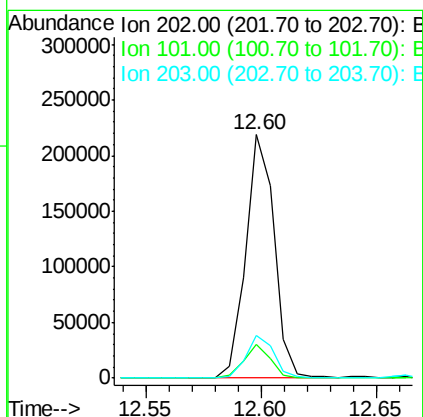
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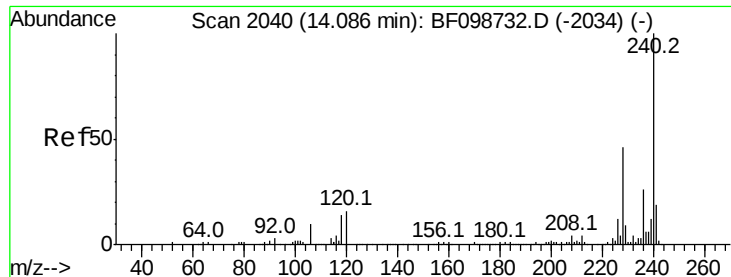
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#74
 Fluoranthene
 Concen: 14.370 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.01 min
 Lab File: BF099278.D
 Acq: 9 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099278.D

Acq: 9 Oct 2017 22:38

Instrument :

BNA_F

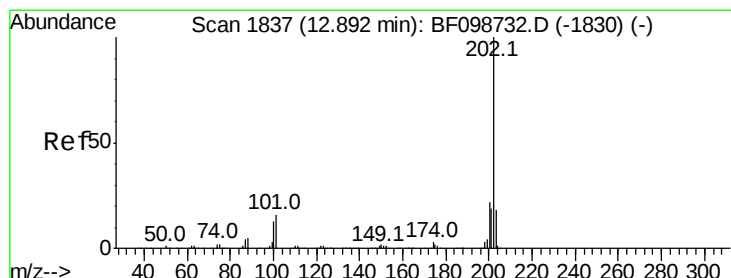
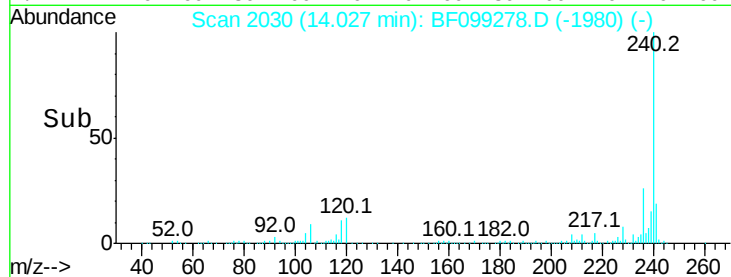
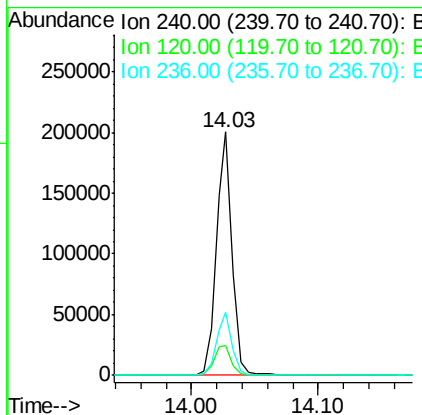
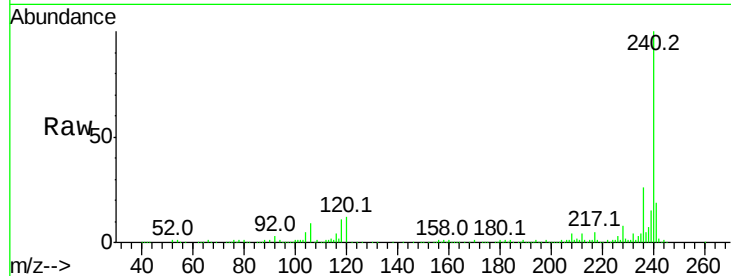
ClientSampleId :

PL-02-100517-B

Tot Ion:	240	Resp:	174099
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	26.1	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 12.055 ng

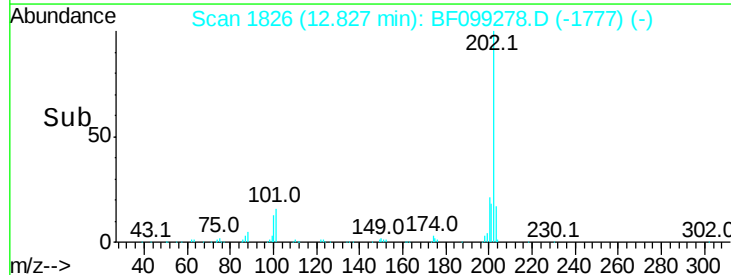
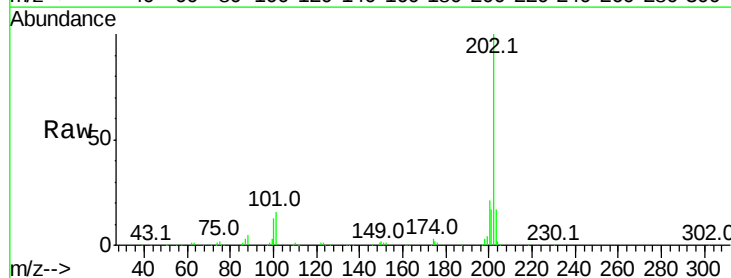
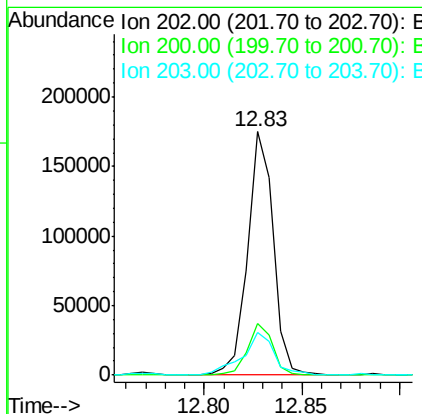
RT: 12.83 min Scan# 1826

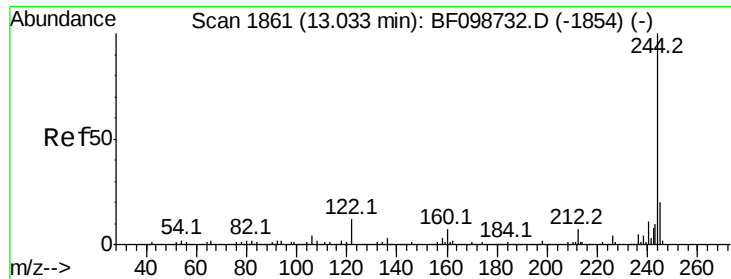
Delta R.T. -0.01 min

Lab File: BF099278.D

Acq: 9 Oct 2017 22:38

Tgt Ion:	202	Resp:	160045
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.3	14.3	21.5





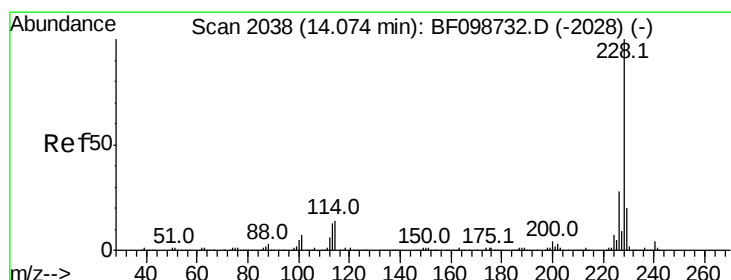
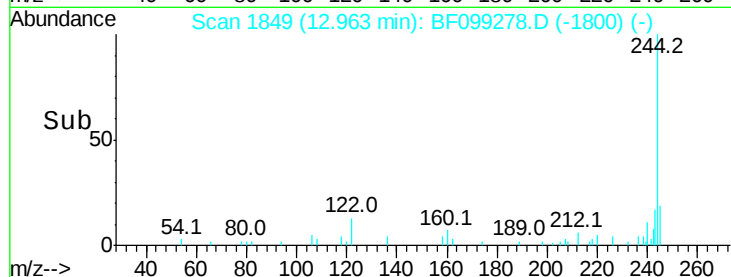
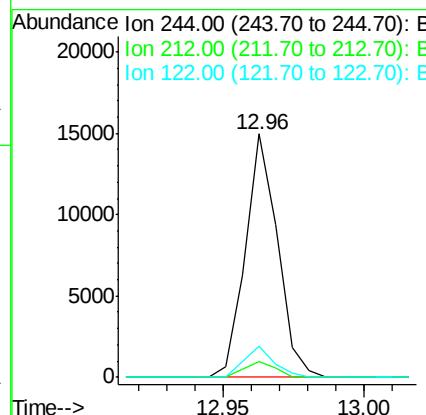
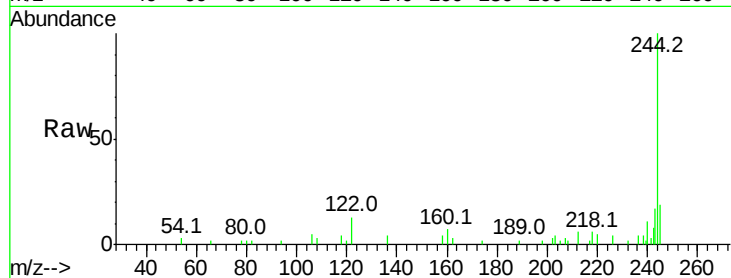
#78
 Terphenyl-d14
 Concen: 1.543 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF099278.D
 Acq: 9 Oct 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.9	11.0	16.4

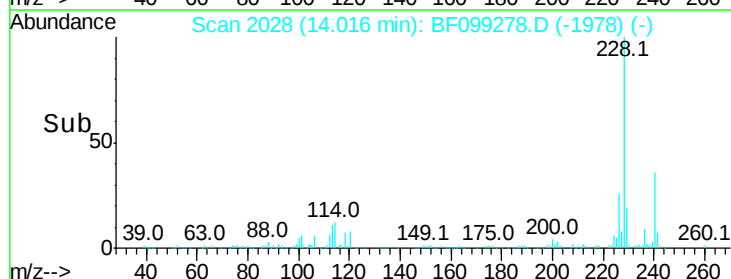
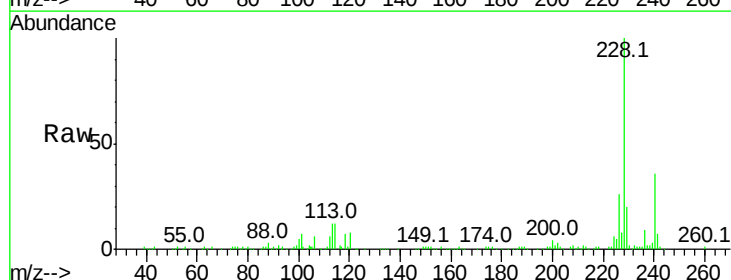
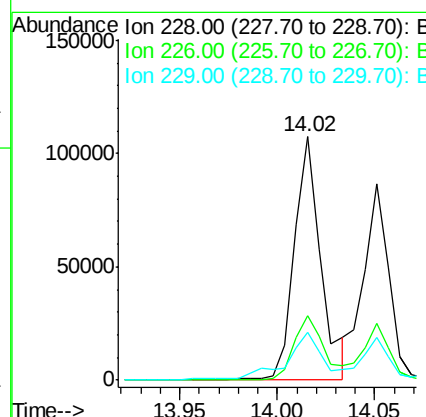
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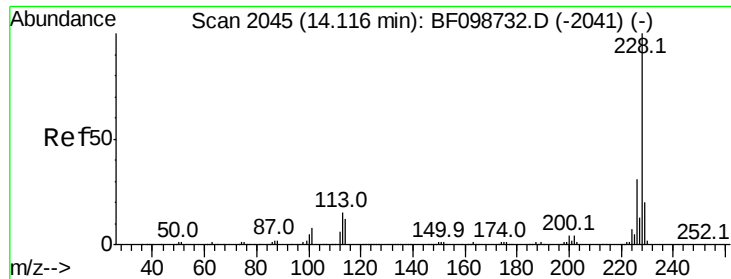
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#80
 Benzo(a)anthracene
 Concen: 9.706 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF099278.D
 Acq: 9 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.6	33.8
229	19.7	15.8	23.6





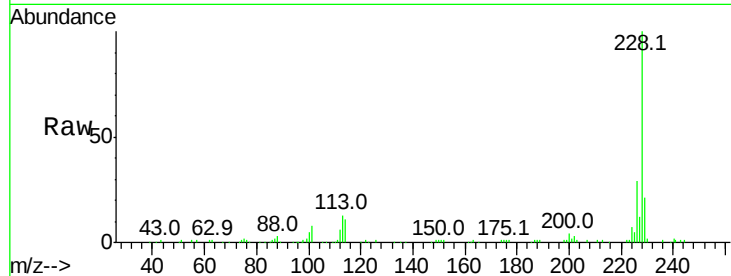
#82
Chrysene
Concen: 7.948 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099278.D
Acq: 9 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-B

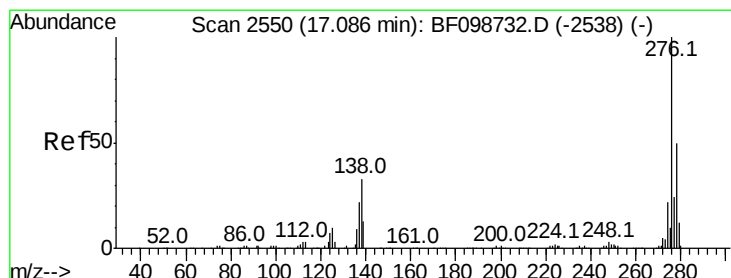
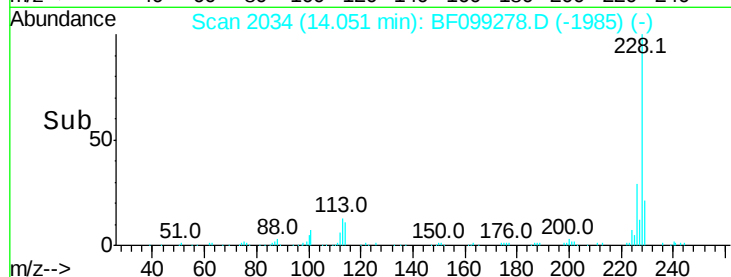
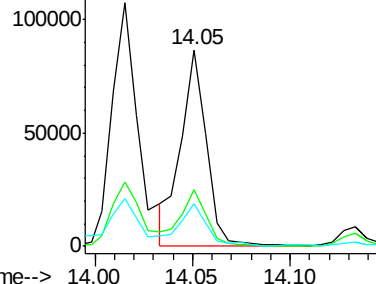
Tot Ion:	228	Resp:	79767
Ion Ratio	Lower	Upper	
228	100		
226	28.9	25.0	37.6
229	21.4	16.2	24.4

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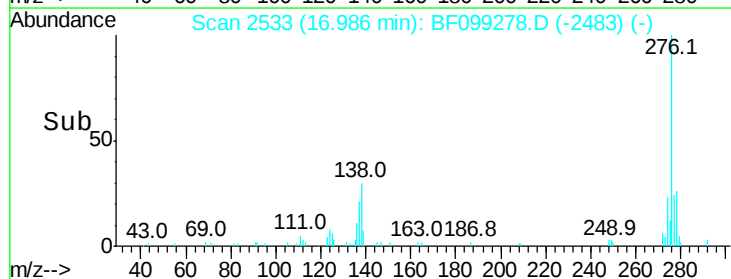
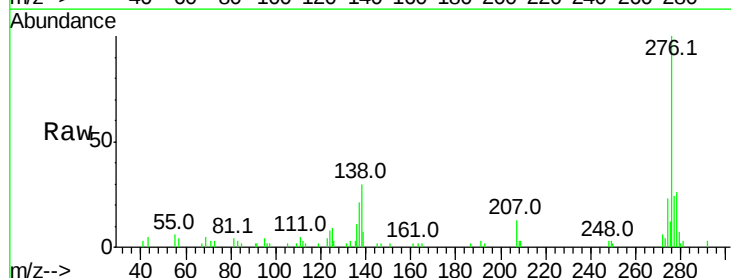
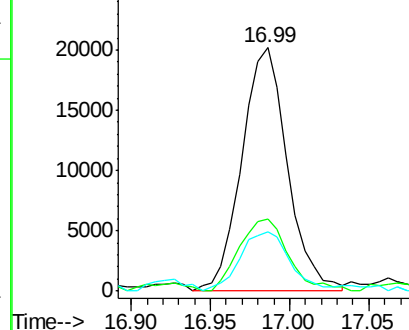
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

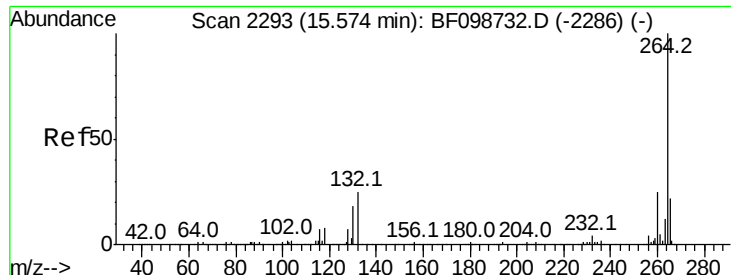


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.035 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF099278.D
Acq: 9 Oct 2017 22:38

Tgt Ion:	276	Resp:	40421
Ion Ratio	Lower	Upper	
276	100		
138	32.0	25.0	37.6
277	26.7	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





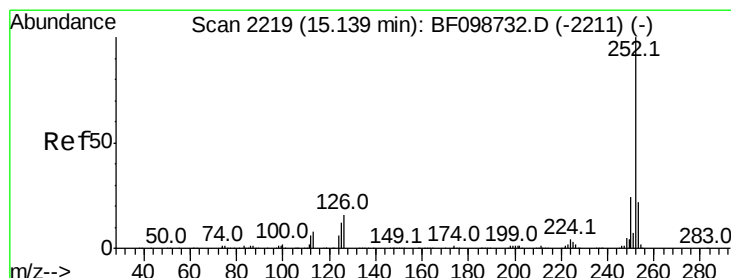
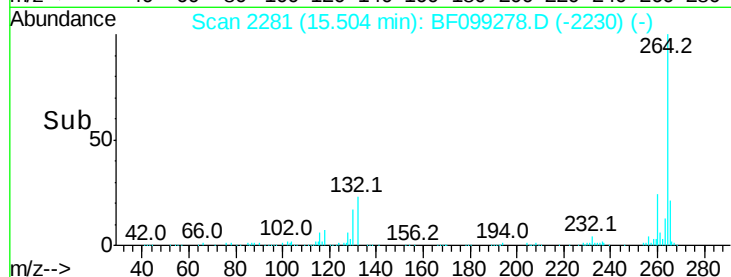
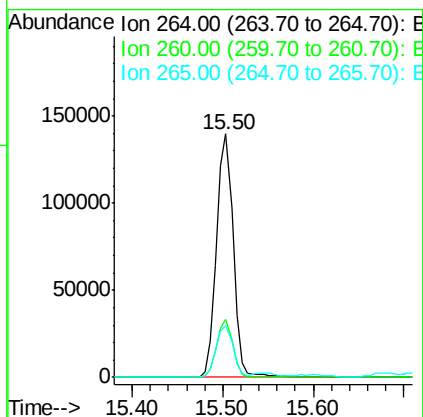
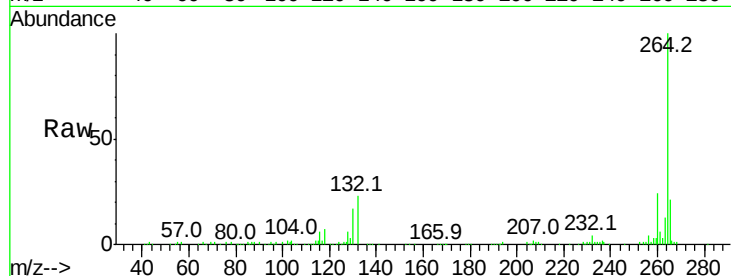
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF099278.D
Acq: 9 Oct 2017 22:38

Instrument :
BNA_F
ClientSampleId :
PL-02-100517-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.3	17.5	26.3

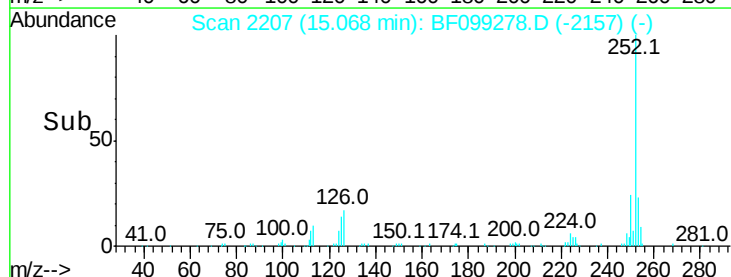
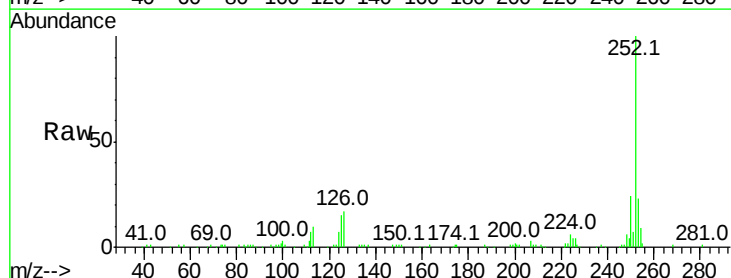
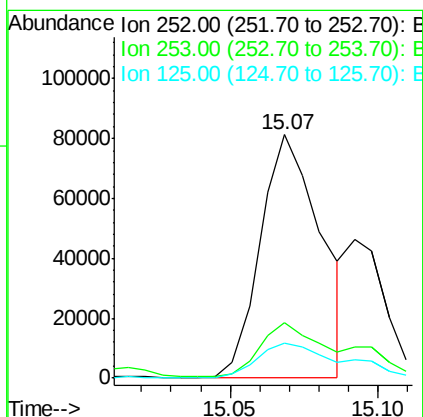
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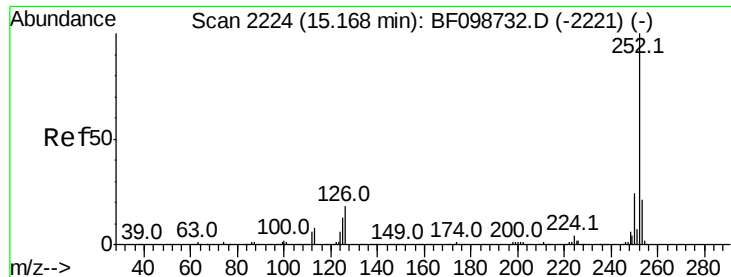
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#87
Benzo(b)fluoranthene
Concen: 10.596 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF099278.D
Acq: 9 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	14.6	9.0	13.6





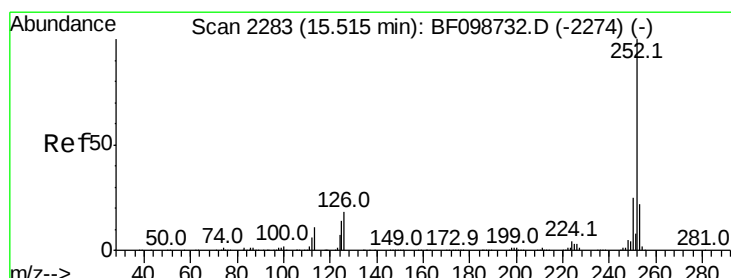
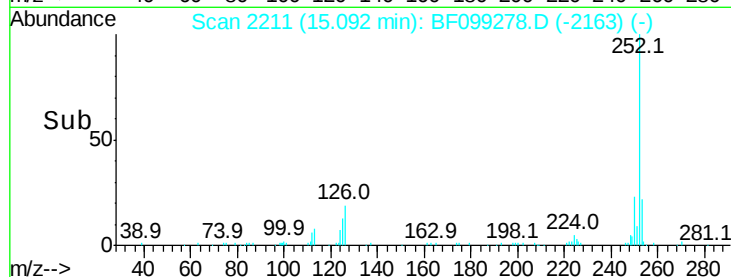
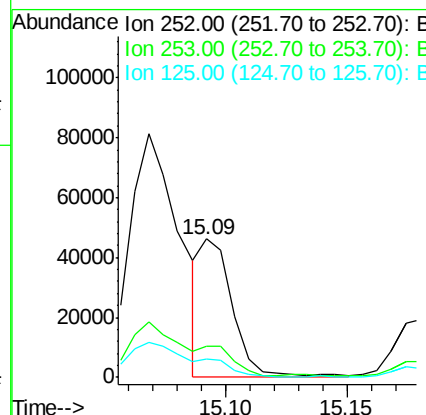
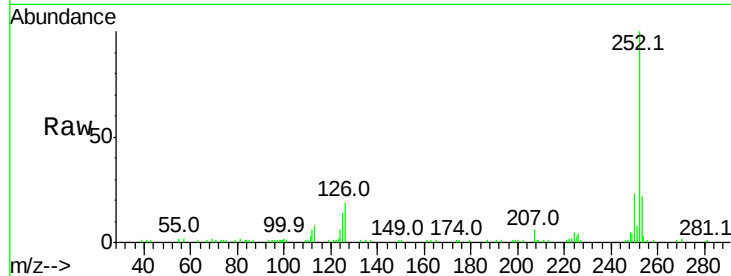
#88
 Benzo(k)fluoranthene
 Concen: 3.998 ng m
 RT: 15.09 min Scan# 2211
 Delta R.T. -0.02 min
 Lab File: BF099278.D
 Acq: 9 Oct 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	13.6	10.2	15.2

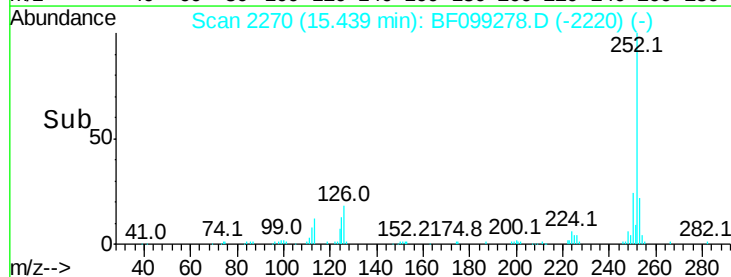
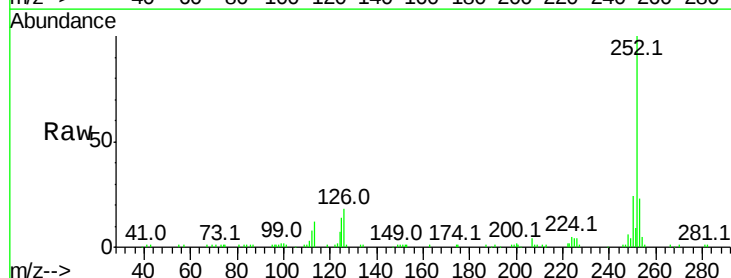
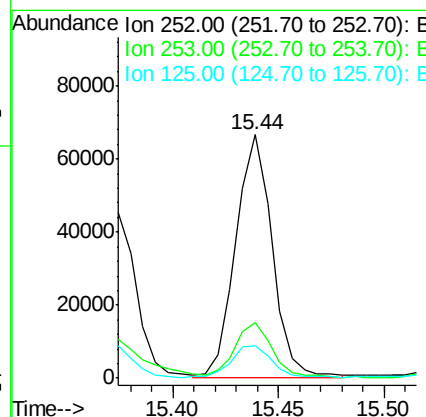
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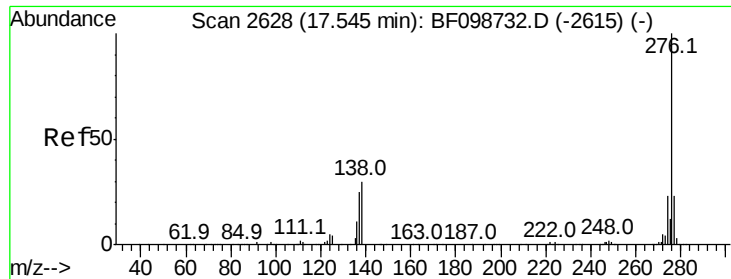
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#89
 Benzo(a)pyrene
 Concen: 7.980 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF099278.D
 Acq: 9 Oct 2017 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	13.5	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 4.344 ng
 RT: 17.43 min Scan# 2609
 Delta R.T. -0.01 min
 Lab File: BF099278.D
 Acq: 9 Oct 2017 22:38

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-100517-B

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.1	17.9	26.9#
138	30.9	21.8	32.8

Manual Integrations
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