

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099308.D
 Acq On : 10 Oct 2017 18:59
 Operator : SJ/JU
 Sample : I5715-04 50X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Oct 10 20:03:24 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	85181	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	330964	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	126585	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	184542	20.00	ng	0.00
75) Chrysene-d12	14.03	240	171447	20.00	ng	0.00
86) Perylene-d12	15.50	264	149714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	9813	1.83	ng	0.00
7) Phenol-d6	6.49	99	11794	1.79	ng	0.00
23) Nitrobenzene-d5	7.43	82	6475	1.25	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	1631	1.57	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	14400	1.90	ng	-0.01
78) Terphenyl-d14	12.96	244	15673	2.08	ng	-0.01
Target Compounds						
70) Phenanthrene	11.41	178	73827	7.474	ng	98
71) Anthracene	11.46	178	32064	3.172	ng	97
74) Fluoranthene	12.60	202	165533	16.549	ng	100
77) Pyrene	12.83	202	145922	11.162	ng	97
80) Benzo(a)anthracene	14.02	228	96636	9.308	ng	98
82) Chrysene	14.05	228	80240	8.118	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	32946	4.167	ng	93
87) Benzo(b)fluoranthene	15.07	252	107671m	11.697	ng	
88) Benzo(k)fluoranthene	15.10	252	29446m	3.239	ng	
89) Benzo(a)pyrene	15.44	252	66645	7.887	ng	# 91
91) Benzo(g,h,i)perylene	17.44	276	29234	4.374	ng	97

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

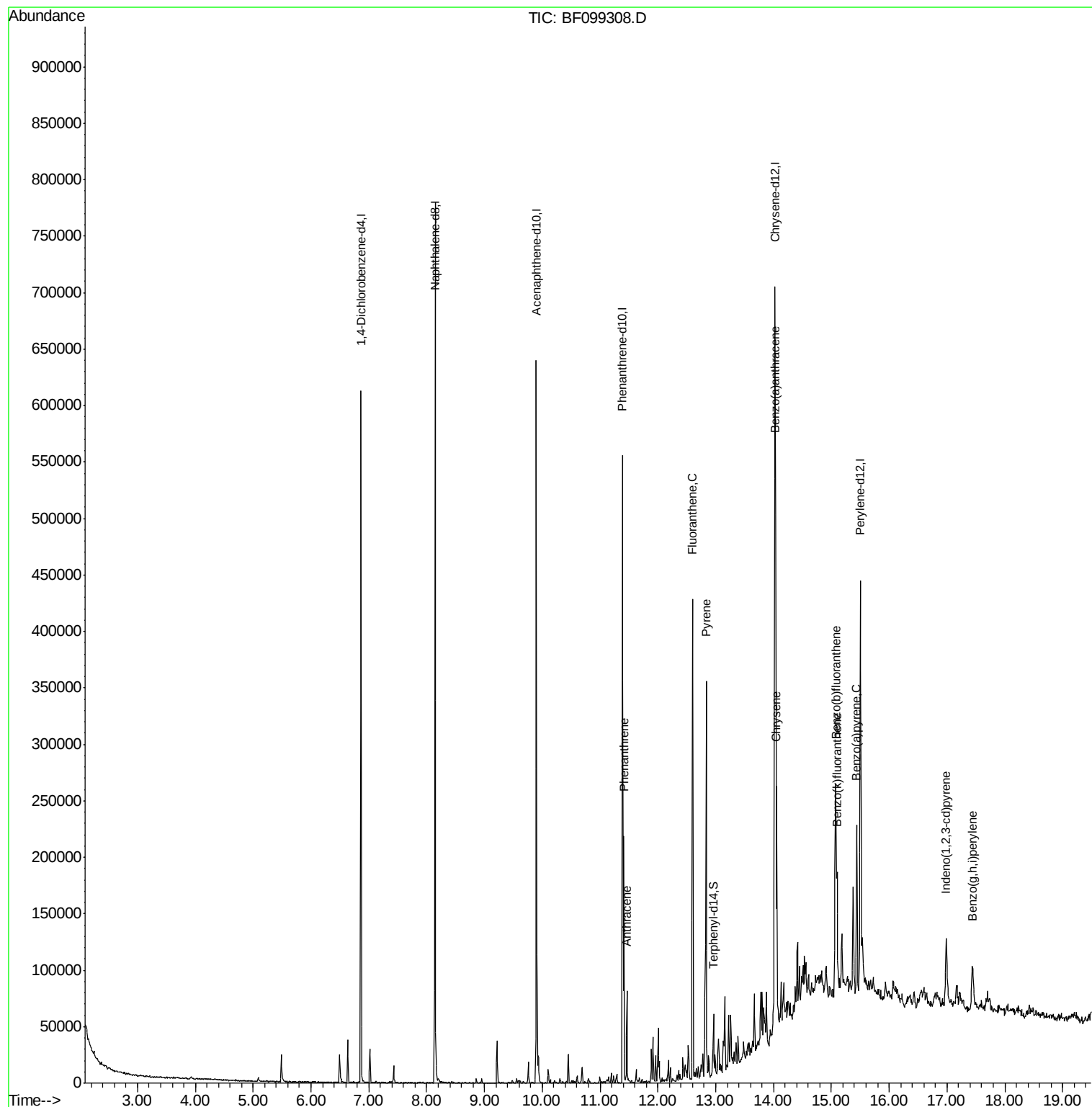
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

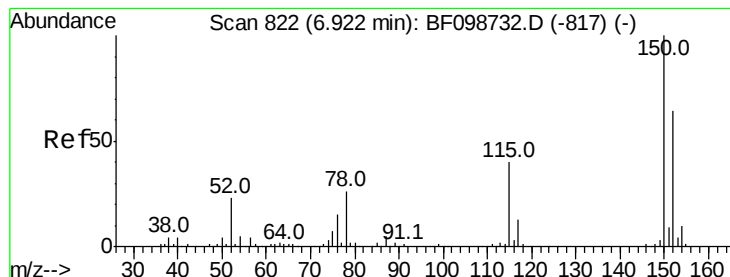
Instrument :
BNA_F
ClientSampleId :
PL-02-100517-B

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Quant Time: Oct 10 20:03:24 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

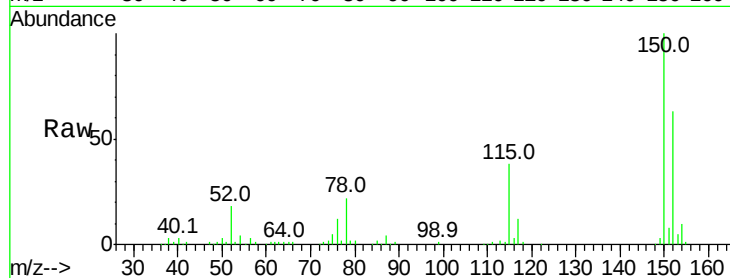
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Instrument :
 BNA_F
 ClientSampleId :
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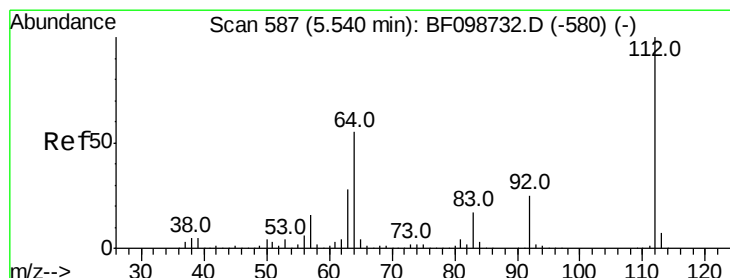
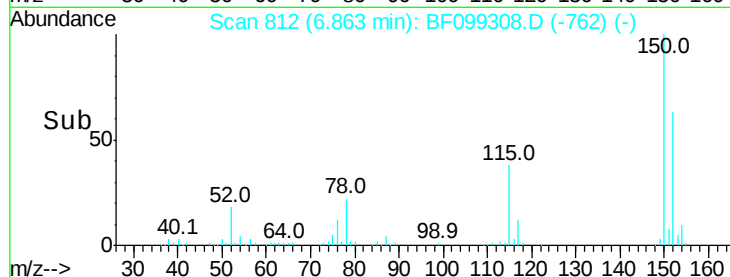
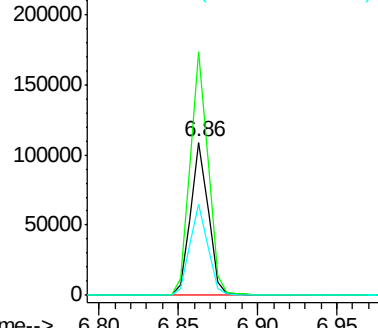
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	59.7	50.1	75.1

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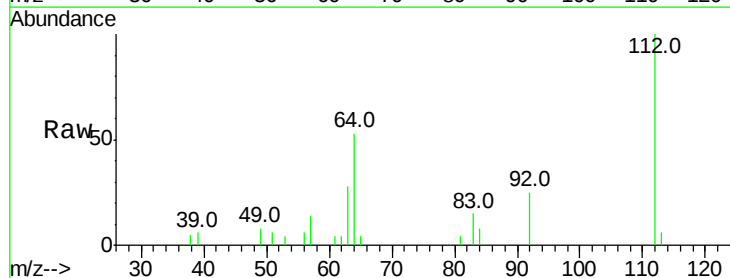
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



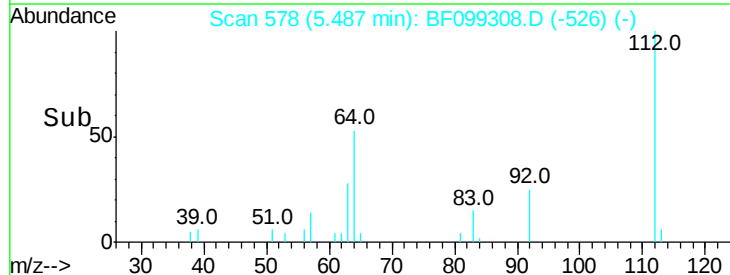
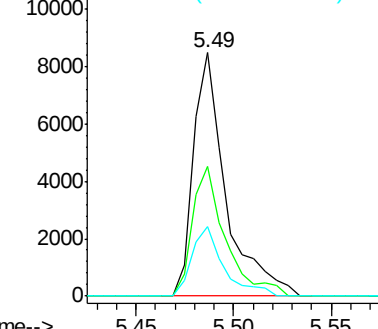
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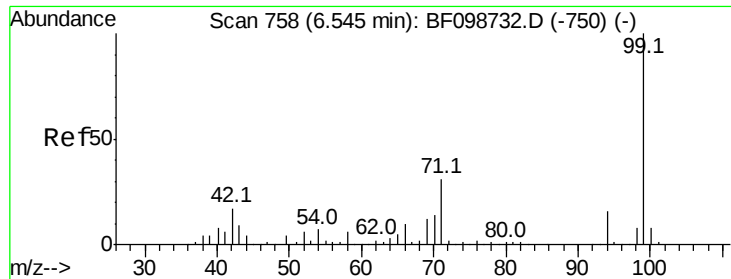
2-Fluorophenol
 Concen: 1.834 ng
 RT: 5.49 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	47.9	71.9
63	28.3	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: 1.787 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

Instrument :

BNA_F

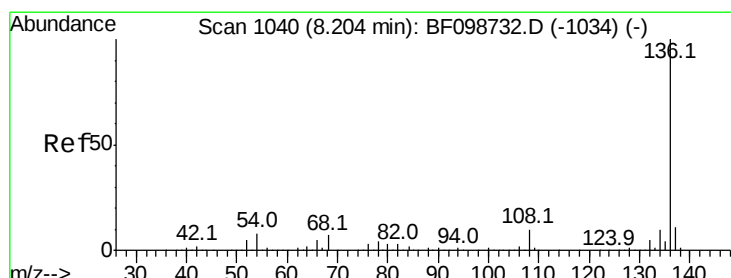
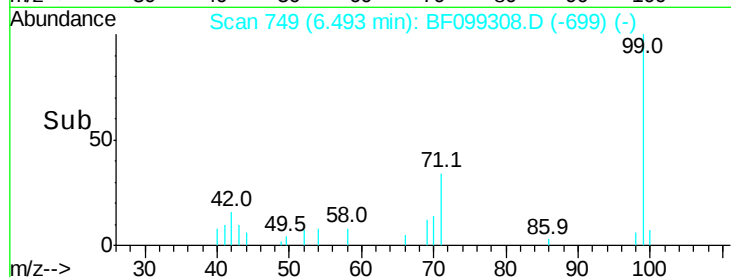
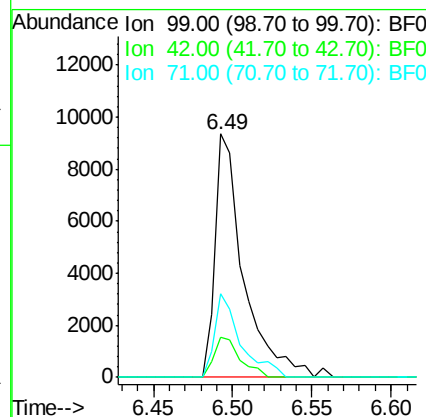
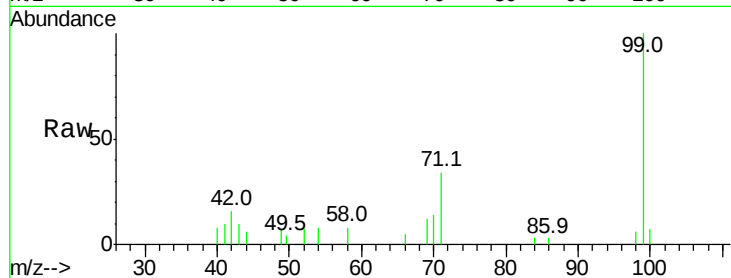
ClientSampleId :

PL-02-100517-B

Tot Ion:	99	Resp:	11794
Ion	Ratio	Lower	Upper
99	100		
42	16.2	14.5	21.7
71	34.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

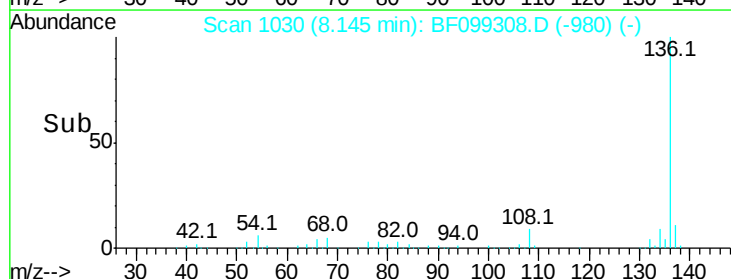
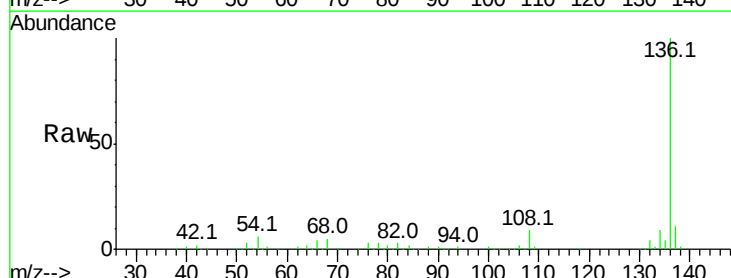
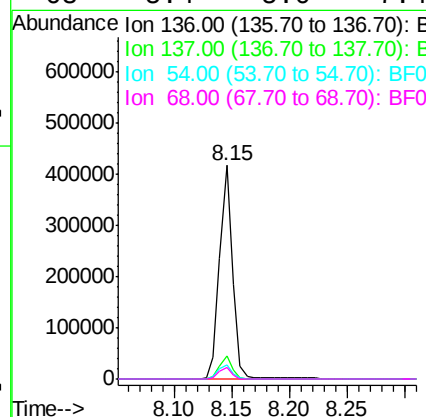
RT: 8.15 min Scan# 1030

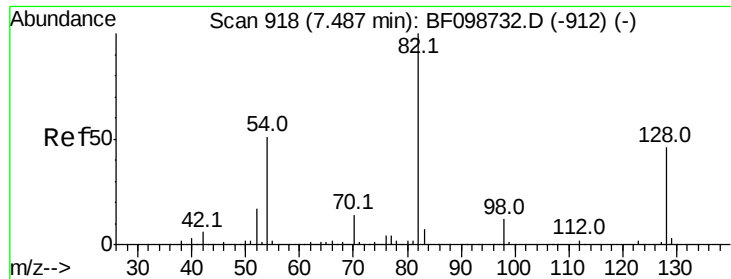
Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

Tgt Ion:	136	Resp:	330964
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.5	6.6	9.8#
68	5.4	5.0	7.4





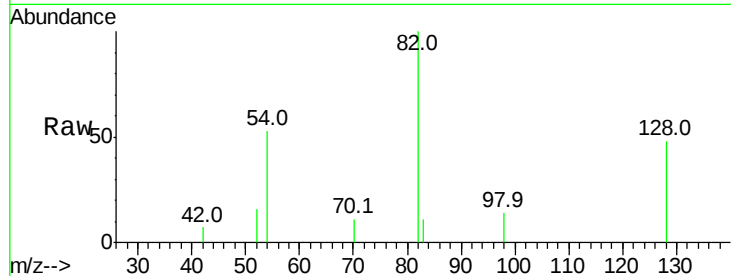
#23
 Nitrobenzene-d5
 Concen: 1.255 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

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

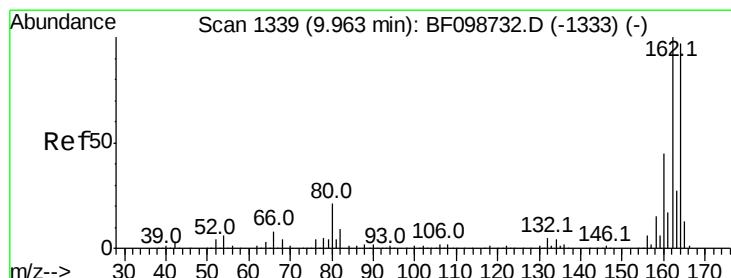
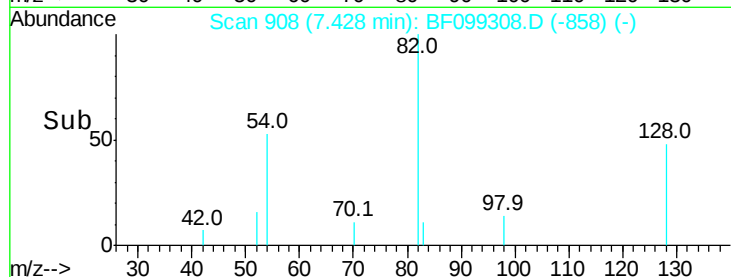
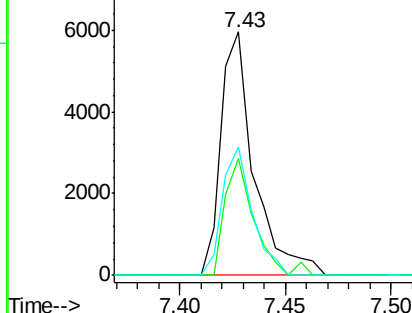
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.1	54.1
54	52.6	41.4	62.2

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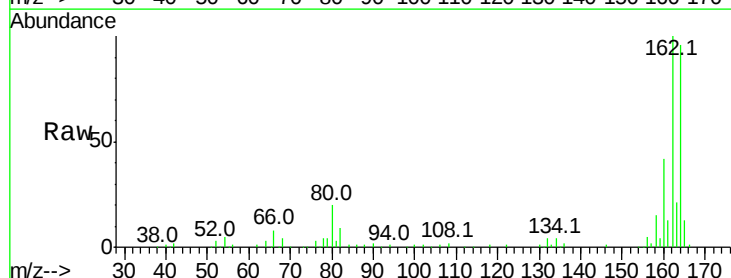


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

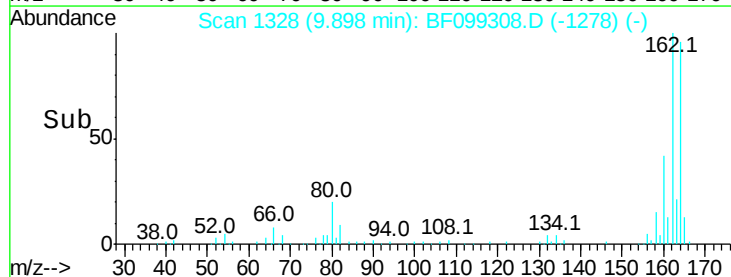
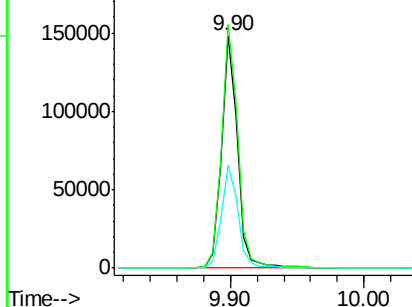


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	44.2	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





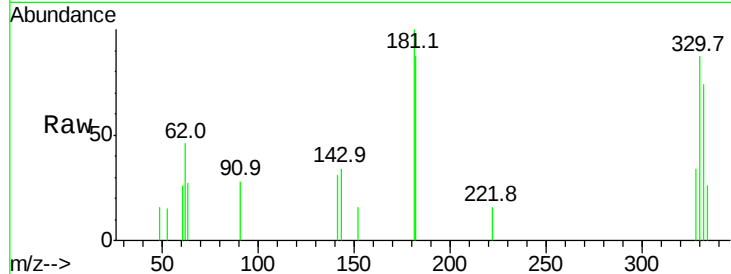
#41
 2,4,6-Tribromophenol
 Concen: 1.575 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

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

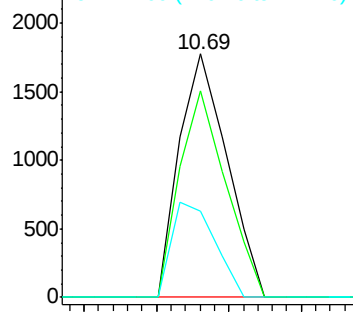
Tot Ion	Ratio	Lower	Upper
330	100		
332	81.8	77.0	115.6
141	35.1	29.9	44.9

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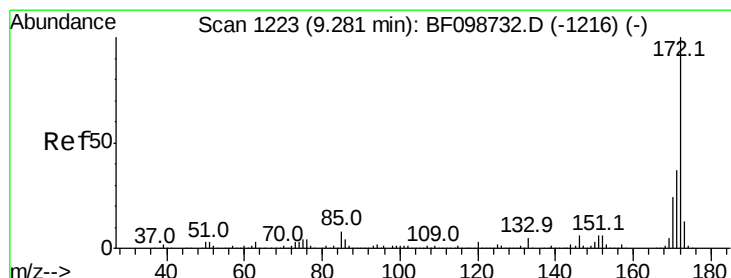
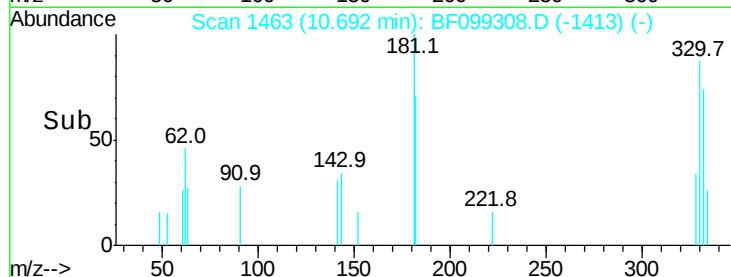
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Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

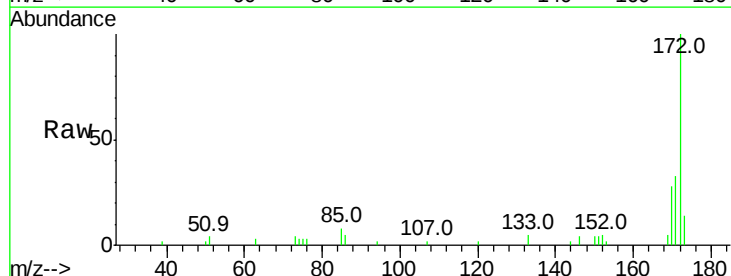


Time-->

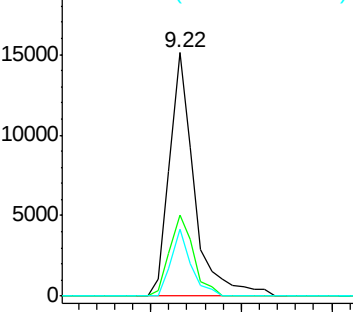


#44
 2-Fluorobiphenyl
 Concen: 1.899 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

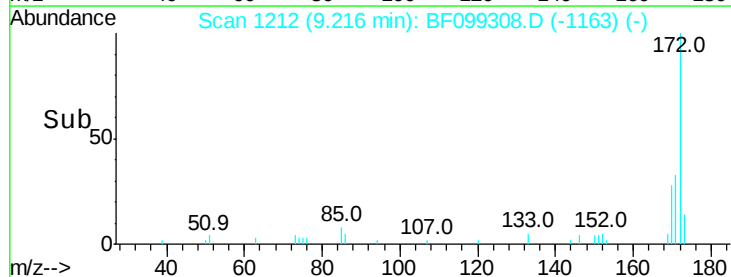
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.7	44.5
170	27.7	19.6	29.4

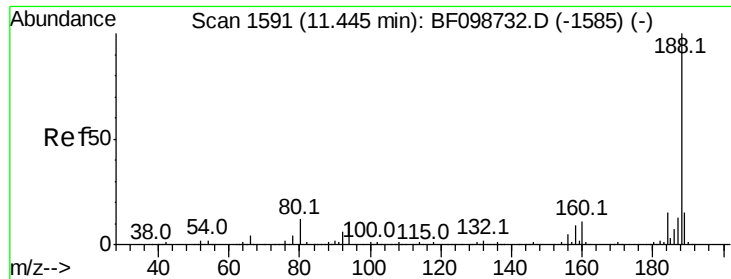


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->





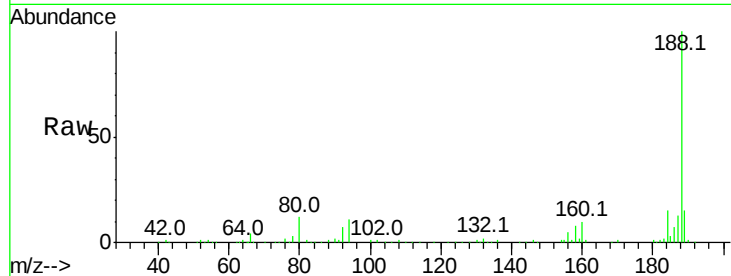
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

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

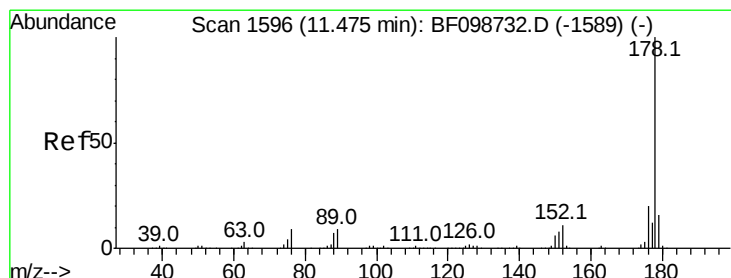
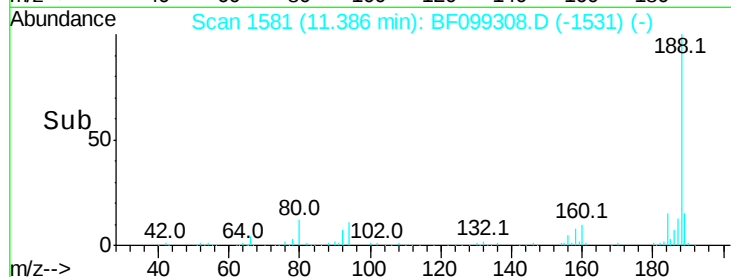
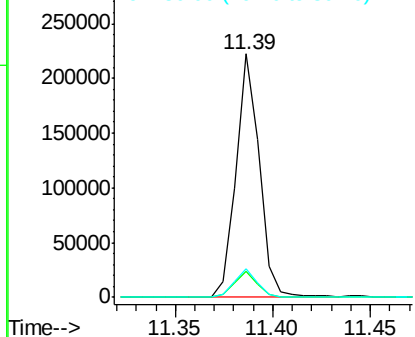
Tot Ion	Ratio	Resp	Lower	Upper
188	100	184542		
94	10.8		8.5	12.7
80	11.6		9.2	13.8

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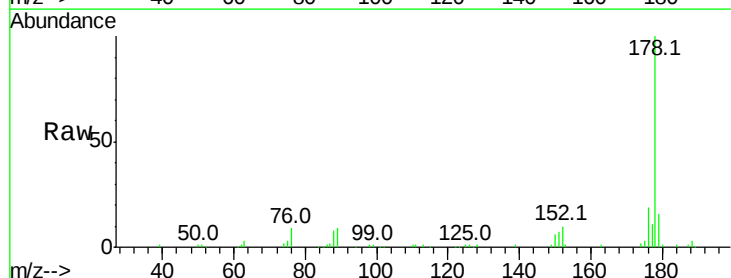


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

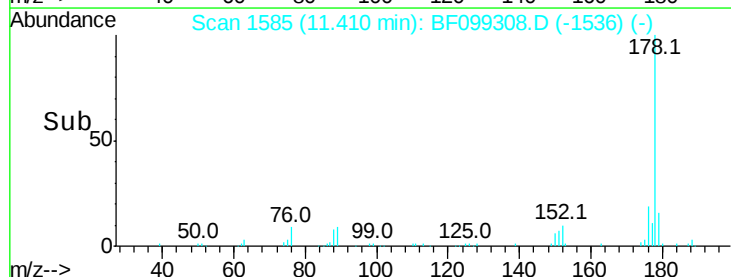
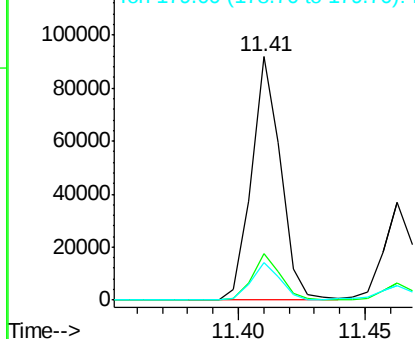


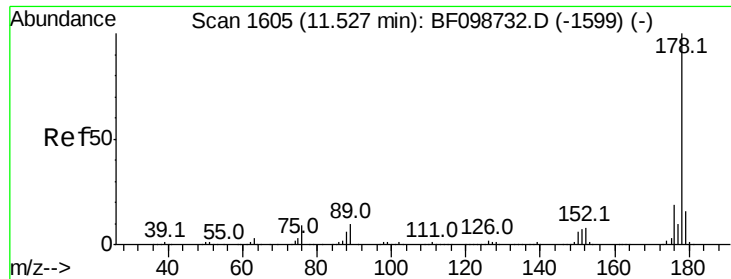
#70
Phenanthrene
Concen: 7.474 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	73827		
176	18.9		15.8	23.8
179	15.5		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





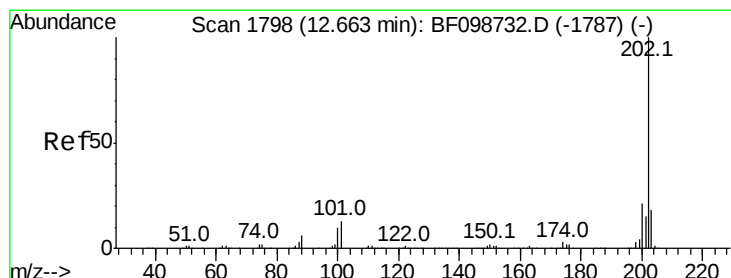
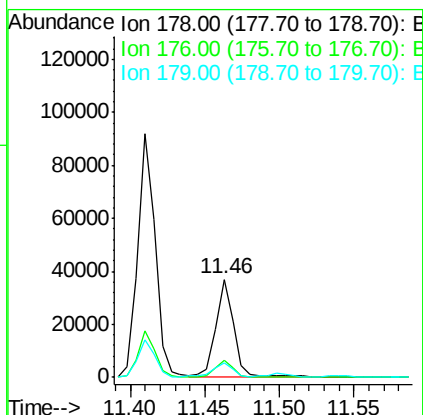
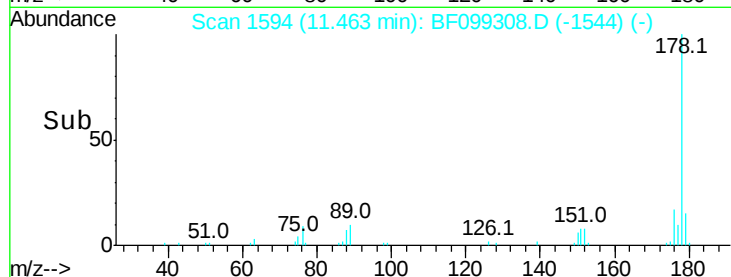
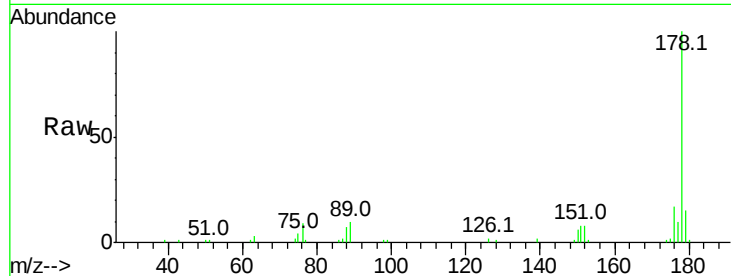
#71
 Anthracene
 Concen: 3.172 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.4	23.2
179	15.3	12.6	19.0

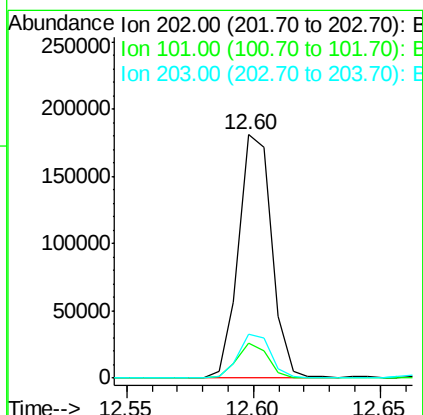
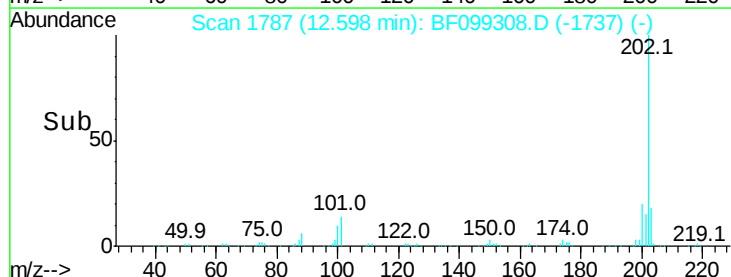
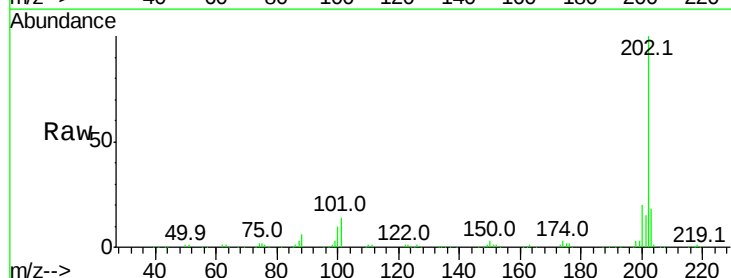
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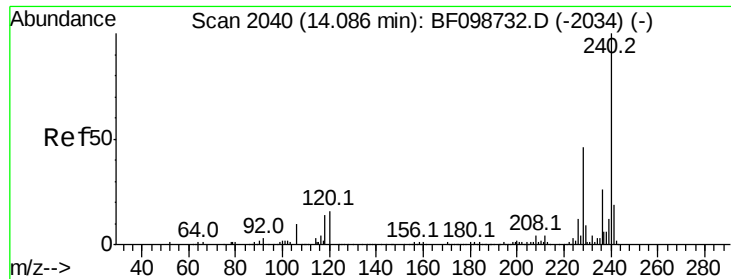
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#74
 Fluoranthene
 Concen: 16.549 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	18.0	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: BF099308.D

Acq: 10 Oct 2017 18:59

Instrument :

BNA_F

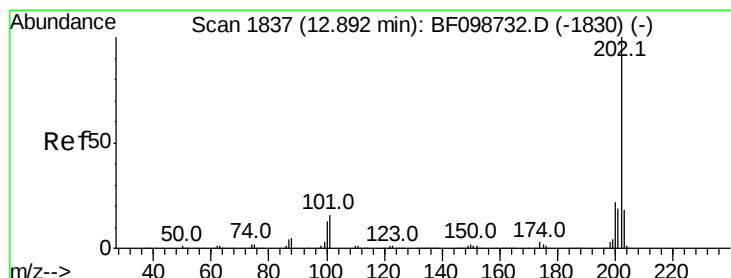
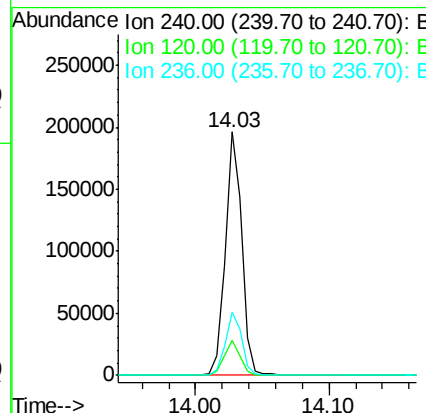
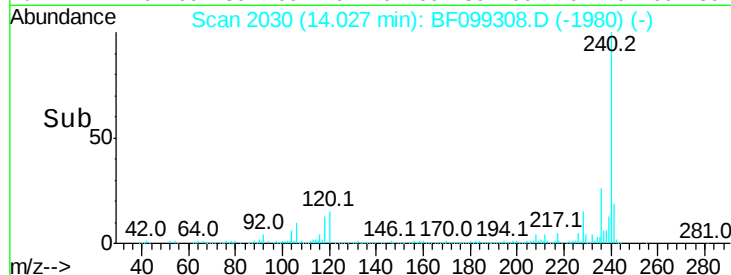
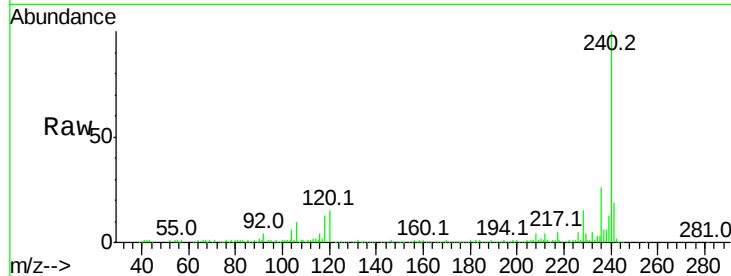
ClientSampleId :

PL-02-100517-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3
236	25.8	20.7	31.1

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#77

Pyrene

Concen: 11.162 ng

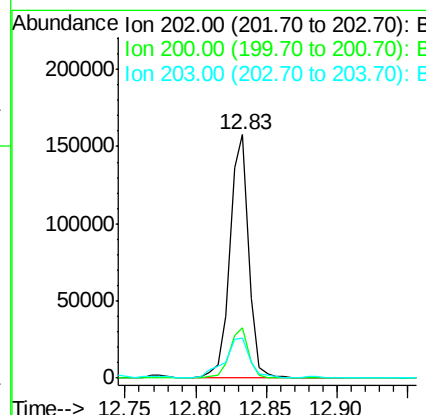
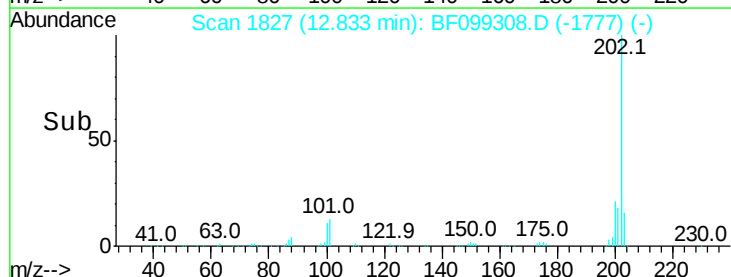
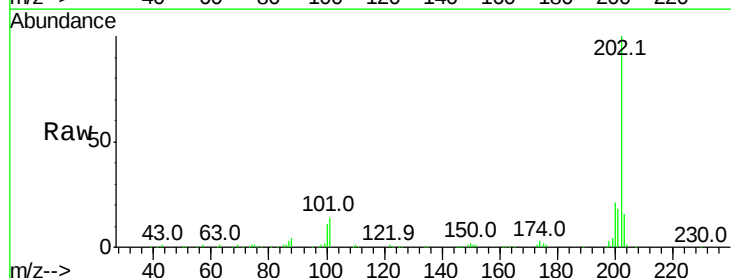
RT: 12.83 min Scan# 1827

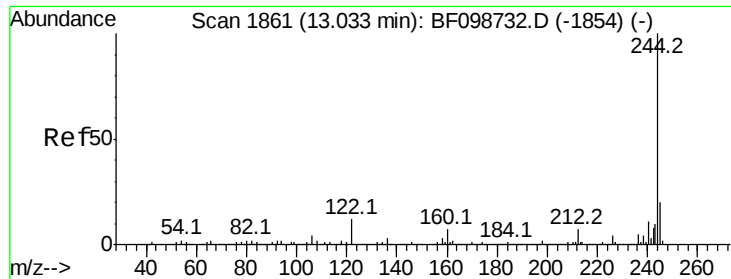
Delta R.T. -0.01 min

Lab File: BF099308.D

Acq: 10 Oct 2017 18:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	16.4	14.3	21.5





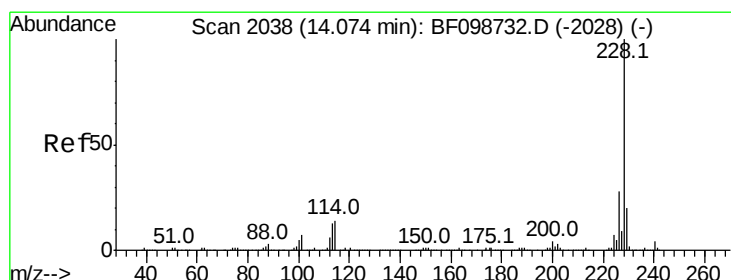
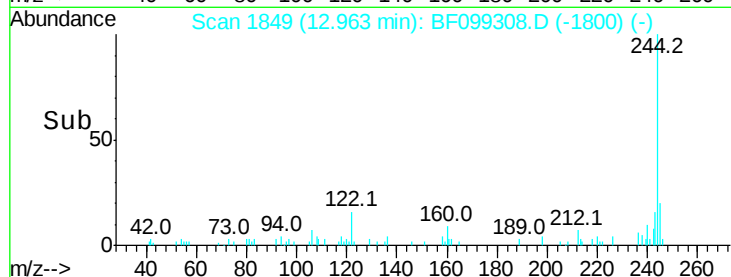
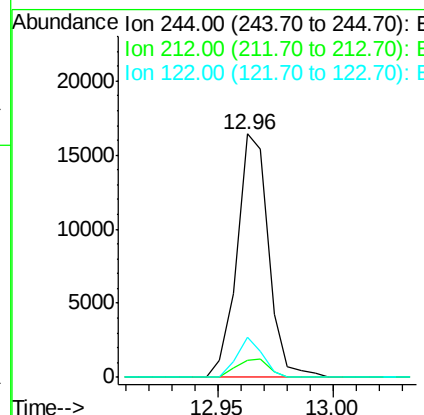
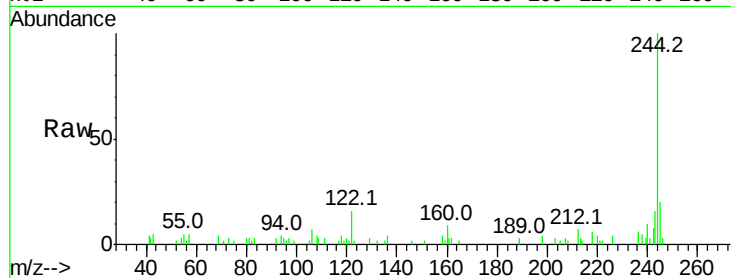
#78
 Terphenyl-d14
 Concen: 2.079 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	16.2	11.0	16.4

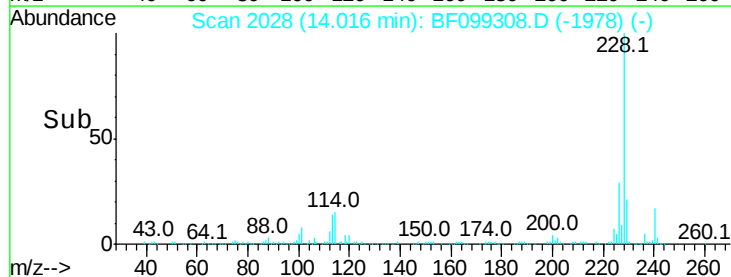
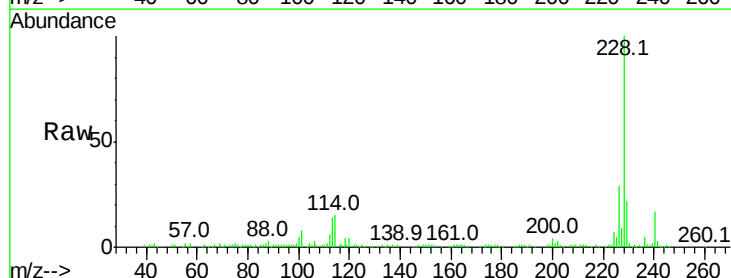
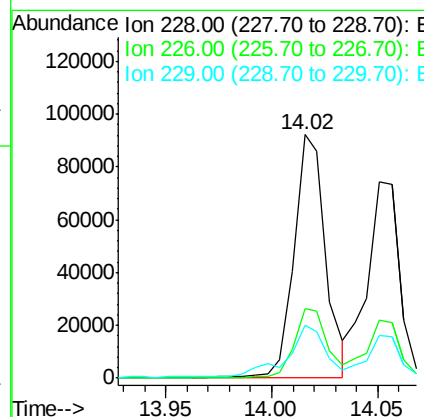
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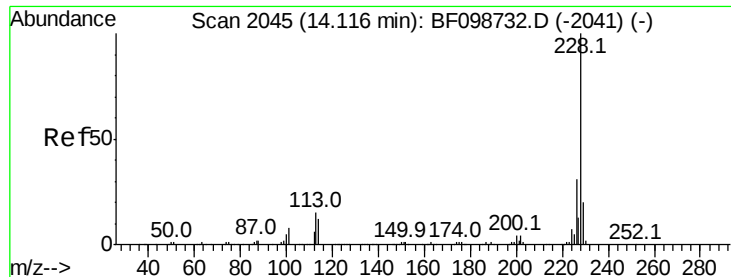
Sohil
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#80
 Benzo(a)anthracene
 Concen: 9.308 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.7	15.8	23.6





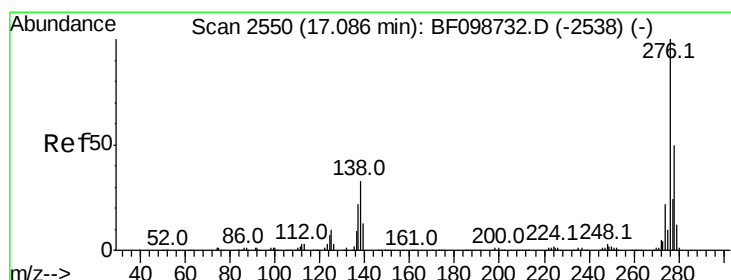
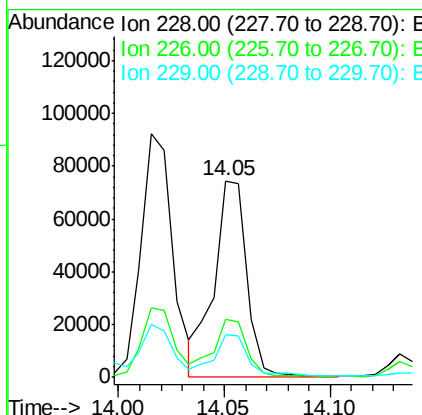
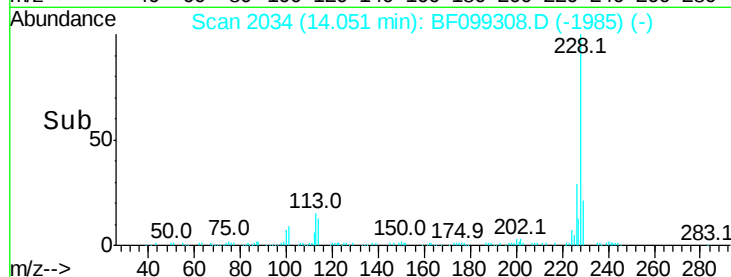
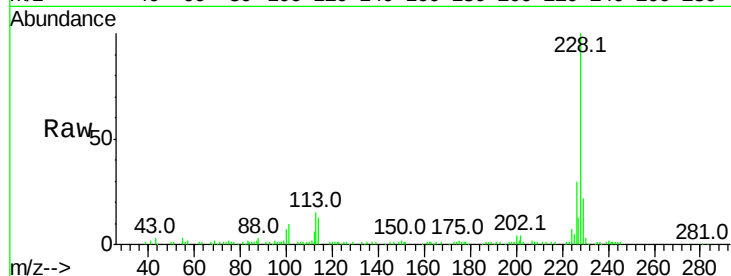
#82
Chrysene
Concen: 8.118 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	21.6	16.2	24.4

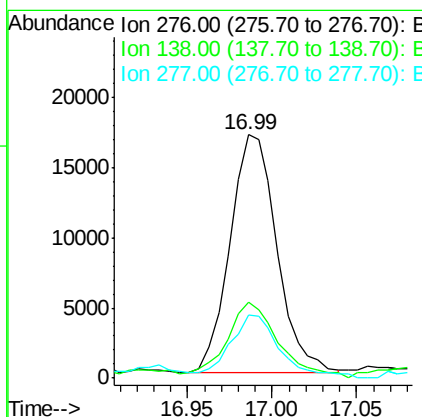
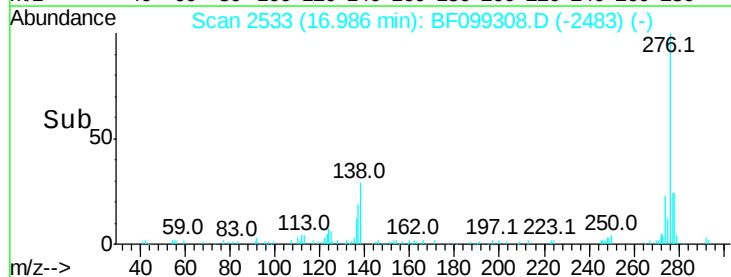
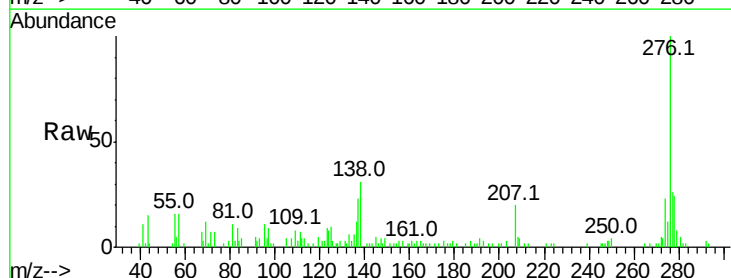
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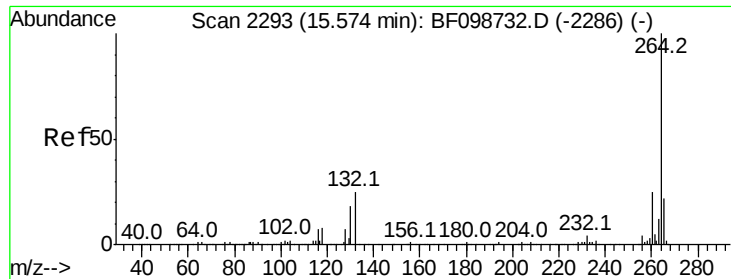
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.167 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.0	25.0	37.6
277	28.4	20.1	30.1





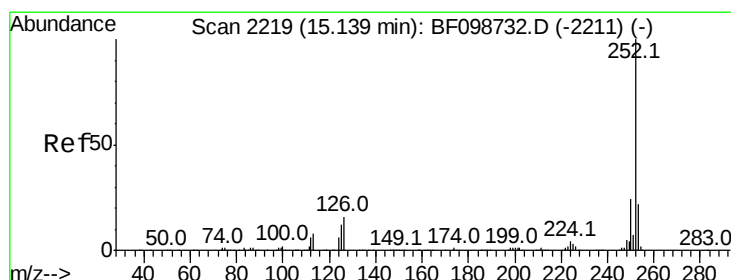
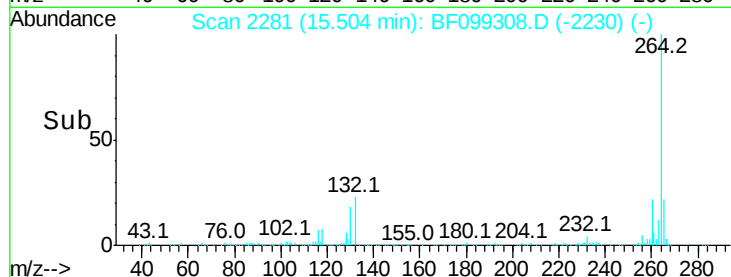
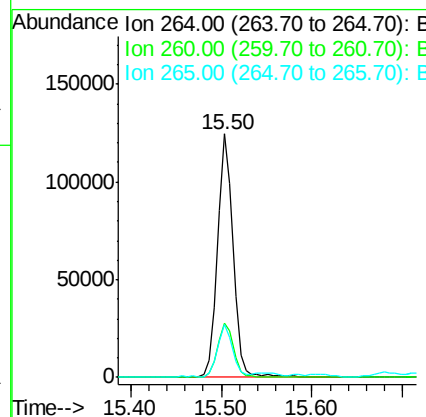
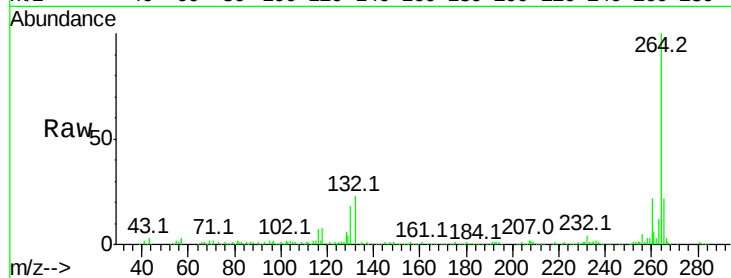
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.00 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	21.9	17.5	26.3

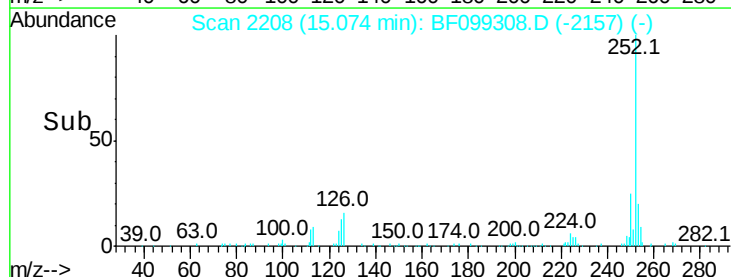
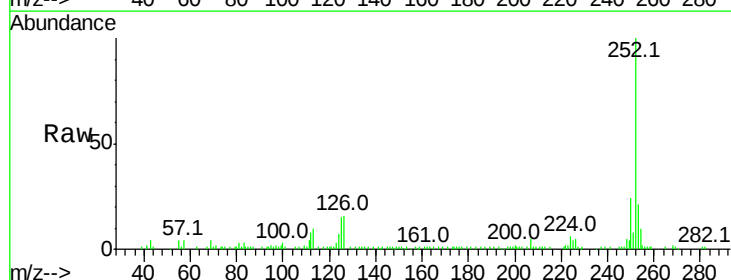
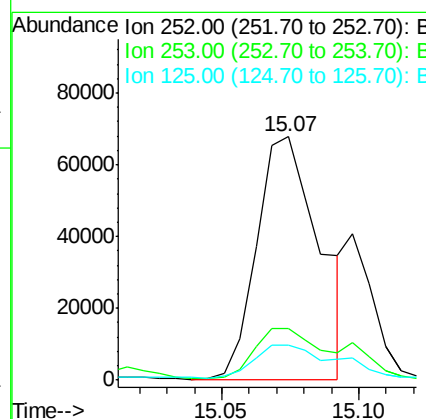
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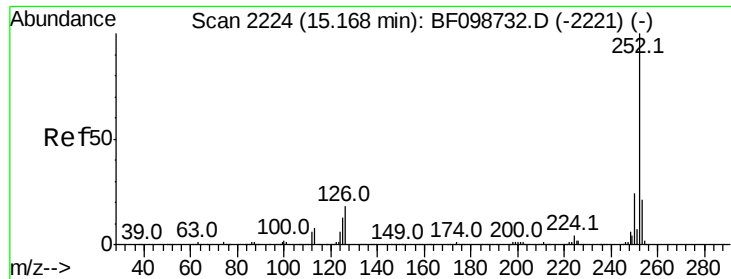
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#87
Benzo(b)fluoranthene
Concen: 11.697 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.00 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.6
125	14.6	9.0	13.6#





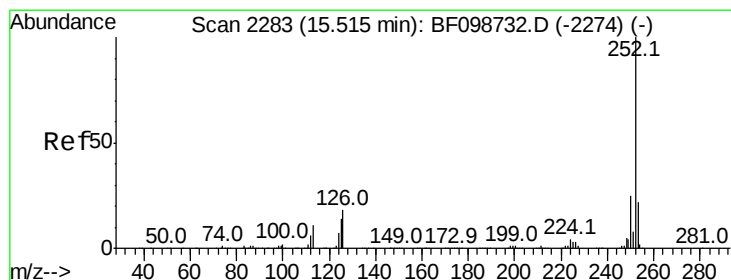
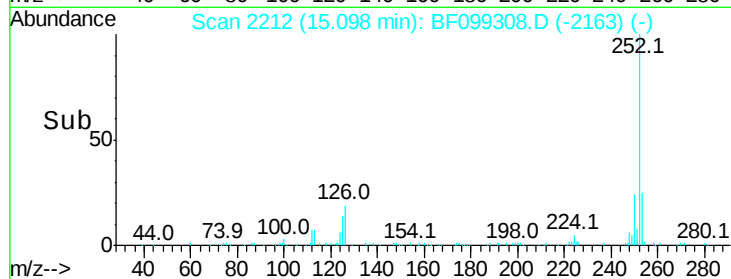
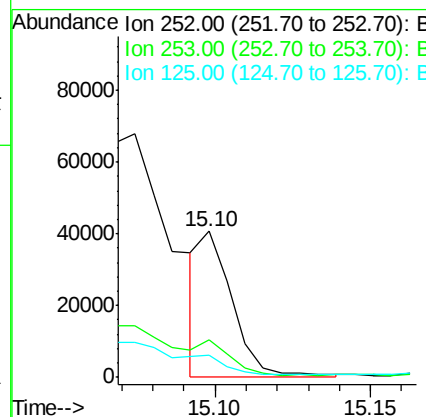
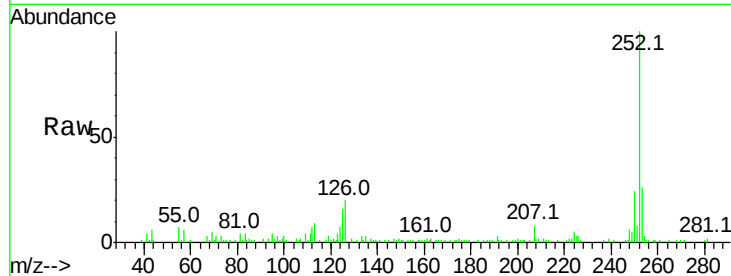
#88
Benzo(k)fluoranthene
Concen: 3.239 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.01 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	15.6	10.2	15.2

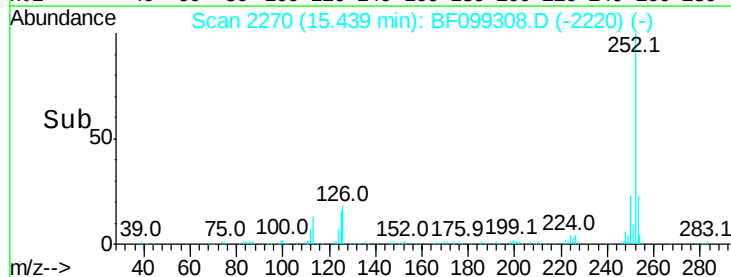
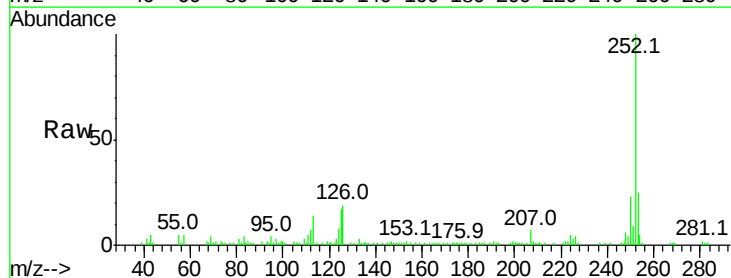
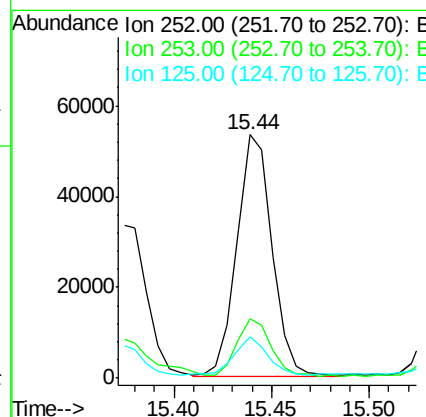
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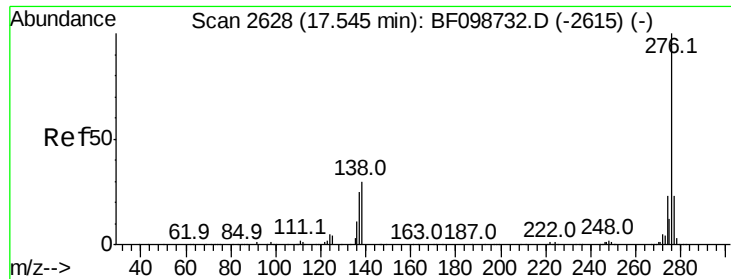
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#89
Benzo(a)pyrene
Concen: 7.887 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF099308.D
Acq: 10 Oct 2017 18:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	17.0	9.8	14.6





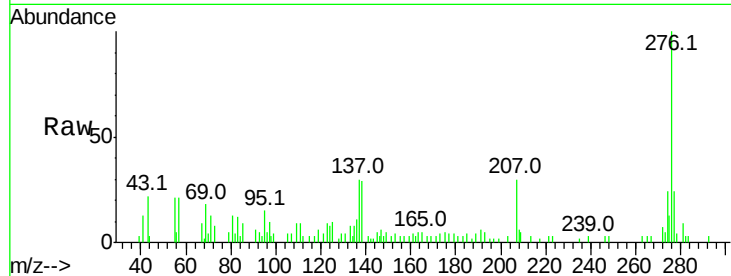
#91
 Benzo(a,h,i)perylene
 Concen: 4.374 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BF099308.D
 Acq: 10 Oct 2017 18:59

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

Tot Ion:	276	Resp:	29234
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	28.6	21.8	32.8

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

