

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
 Data File : BF098741.D
 Acq On : 23 Sep 2017 16:13
 Operator : SJ/JU
 Sample : I5336-01 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-092017

Manual Integrations
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Quant Time: Sep 25 05:45:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	165381	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	691967m	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	295002	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	458029	20.00	ng	0.00
75) Chrysene-d12	14.08	240	279977	20.00	ng	0.00
86) Perylene-d12	15.57	264	275900	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	119887	11.54	ng	-0.02
7) Phenol-d6	6.53	99	150134	11.71	ng	-0.02
23) Nitrobenzene-d5	7.47	82	86072	7.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	19144	7.93	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	171411	9.70	ng	0.00
78) Terphenyl-d14	13.02	244	109338	8.88	ng	-0.01
Target Compounds						
70) Phenanthrene	11.47	178	203382	8.296	ng	98
74) Fluoranthene	12.66	202	340644	13.721	ng	97
77) Pyrene	12.89	202	349376	16.365	ng	98
80) Benzo(a)anthracene	14.07	228	145064	8.557	ng	95
82) Chrysene	14.10	228	152010	9.418	ng	96
85) Indeno(1,2,3-cd)pyrene	17.07	276	76254	5.906	ng	98
87) Benzo(b)fluoranthene	15.13	252	194760m	11.481	ng	
88) Benzo(k)fluoranthene	15.16	252	54754m	3.268	ng	
89) Benzo(a)pyrene	15.50	252	131627	8.453	ng	# 95
91) Benzo(g,h,i)perylene	17.53	276	77227	6.269	ng	94

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

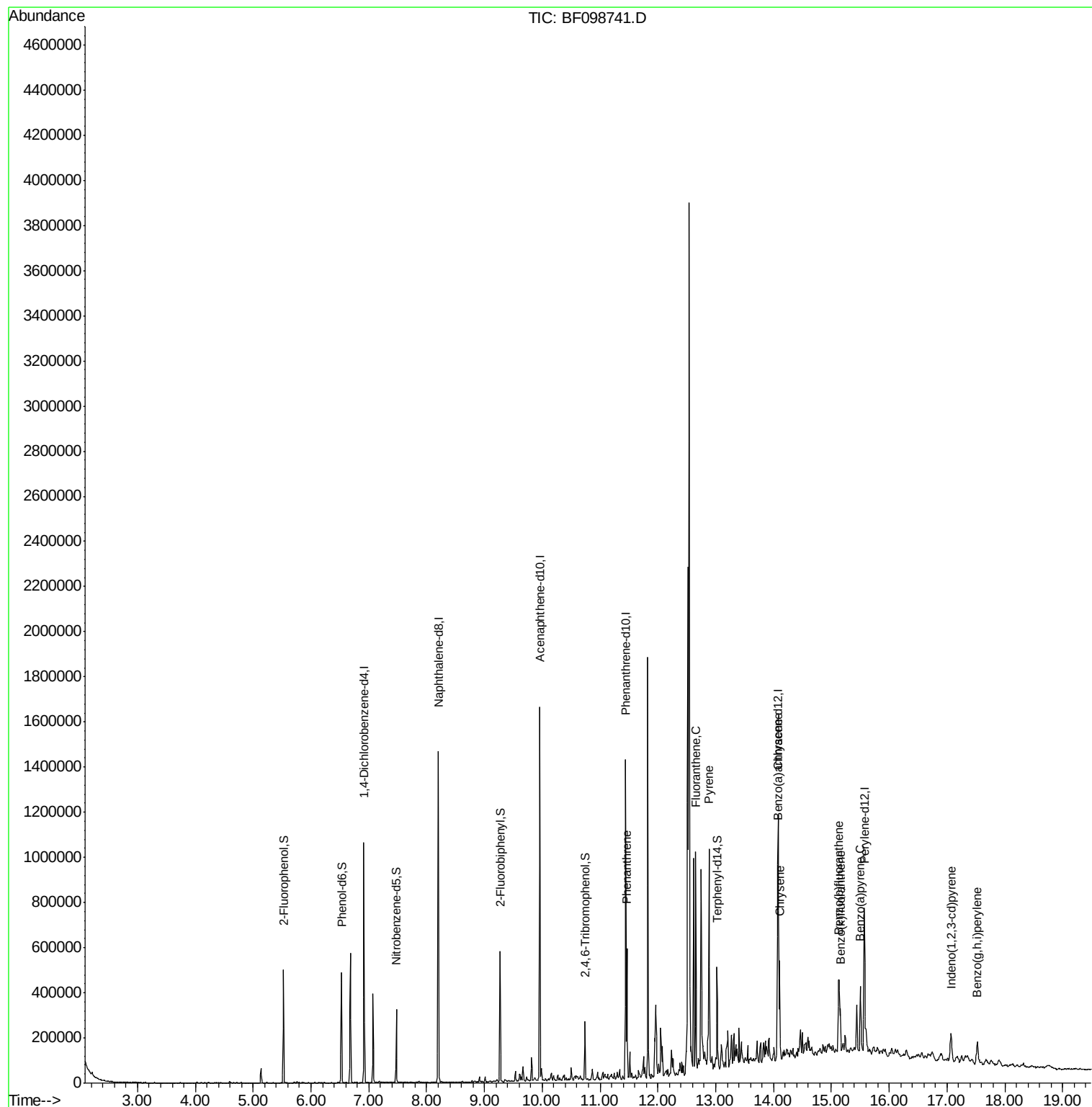
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092317\
Data File : BF098741.D
Acq On : 23 Sep 2017 16:13
Operator : SJ/JU
Sample : I5336-01 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

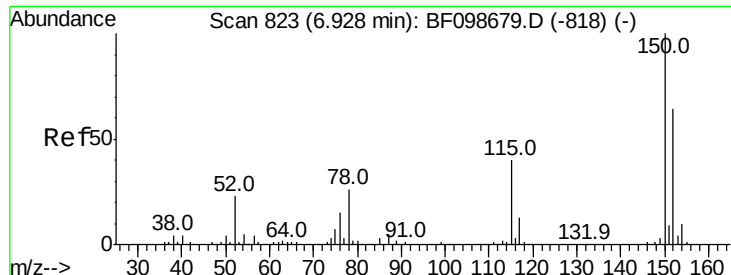
Instrument :
BNA_F
ClientSampleId :
TR-05-092017

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Response via : Initial Calibration





#1

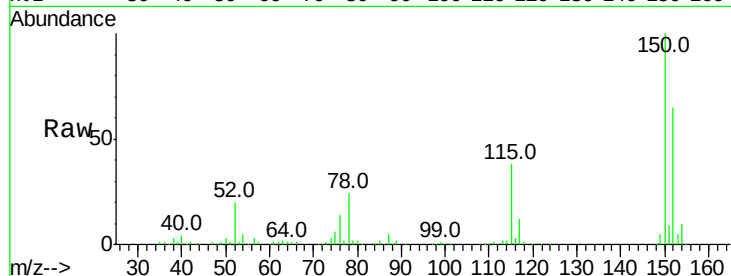
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Instrument :
BNA_F
ClientSampleId :
TR-05-092017

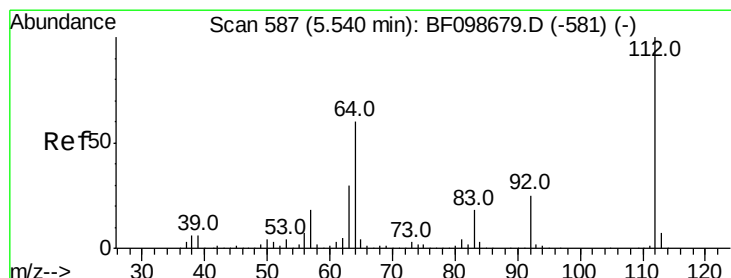
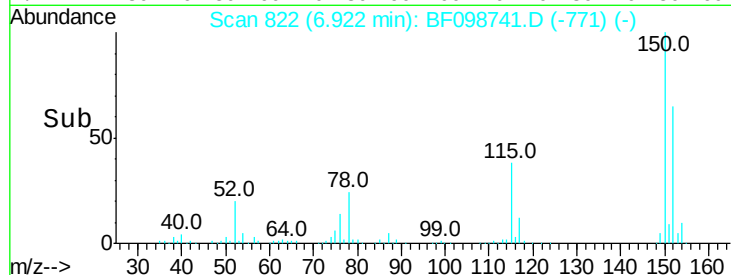
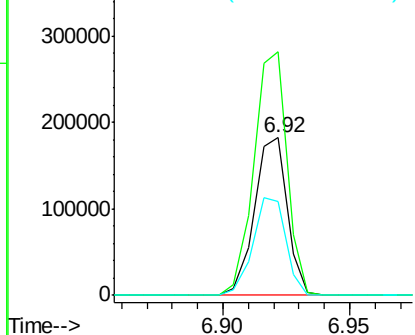
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	59.2	50.1	75.1

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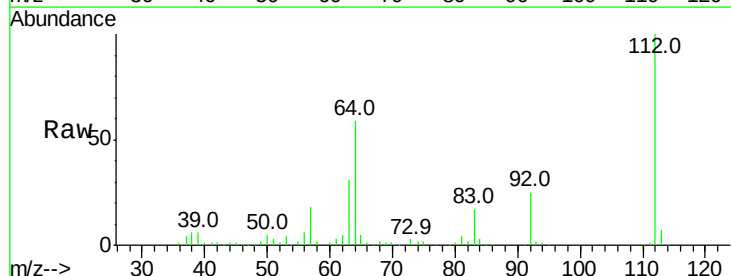
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



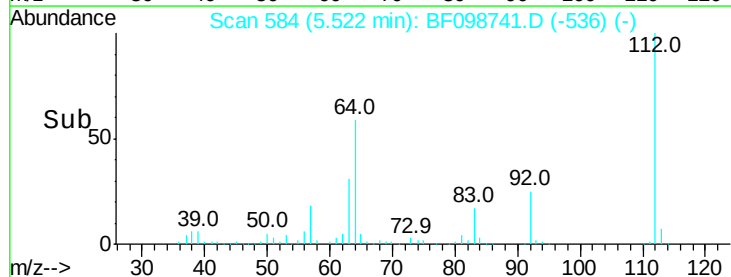
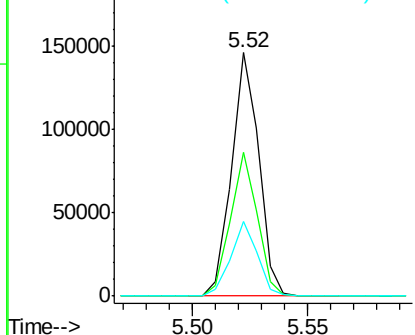
#5

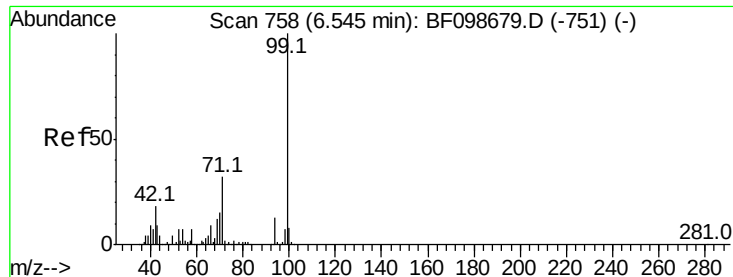
2-Fluorophenol
Concen: 11.540 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.9	71.9
63	30.6	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: 11.715 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

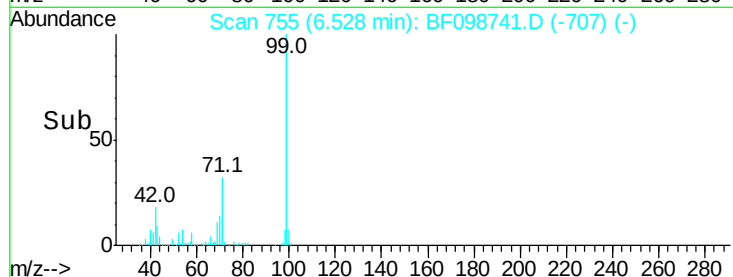
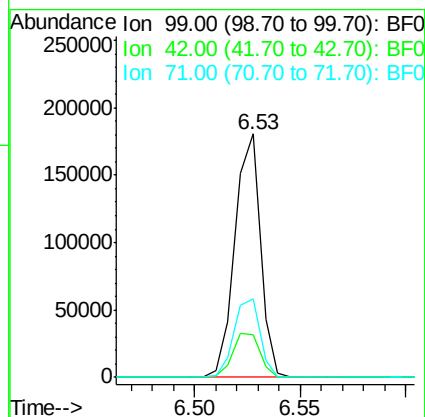
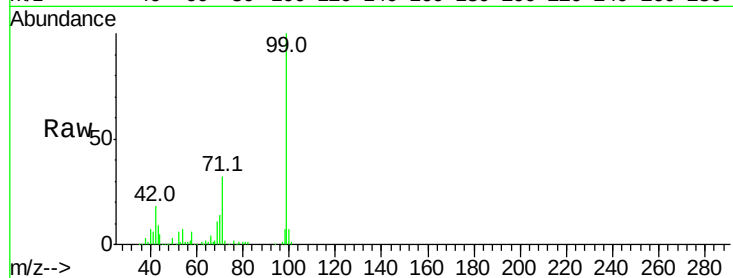
ClientSampleId :

TR-05-092017

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		150134		
42	17.7	14.5	21.7		
71	32.0	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng m

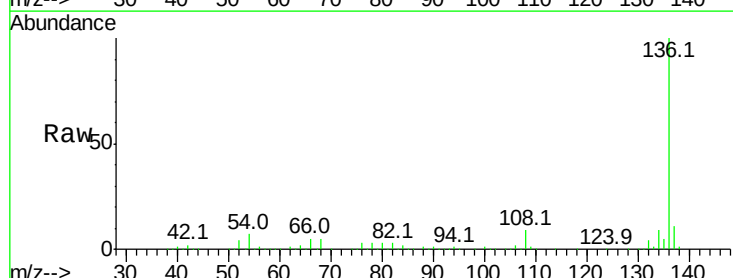
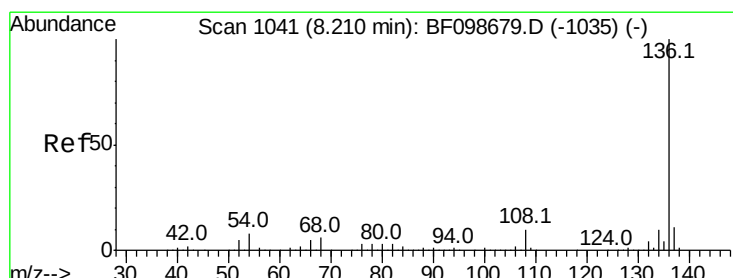
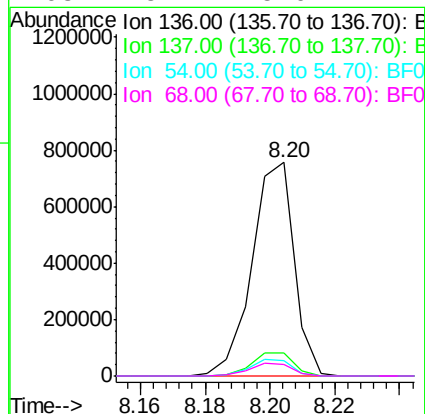
RT: 8.20 min Scan# 1040

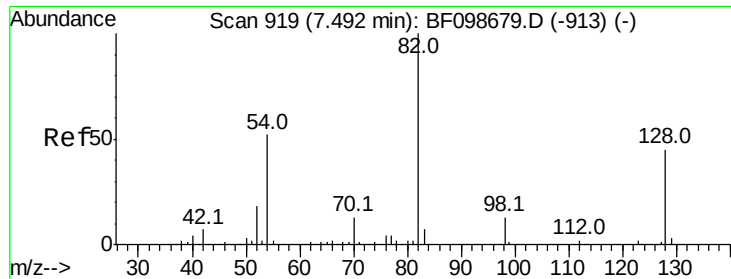
Delta R.T. -0.00 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		691967		
137	10.7	8.9	13.3		
54	7.0	6.6	9.8		
68	5.4	5.0	7.4		





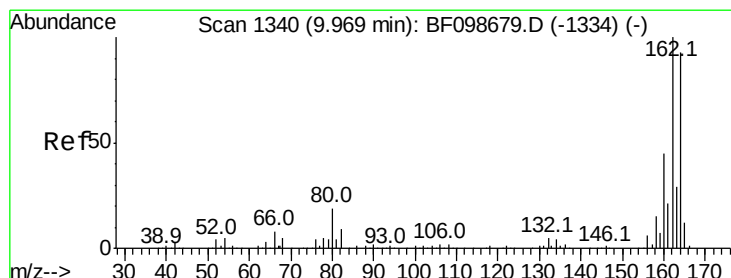
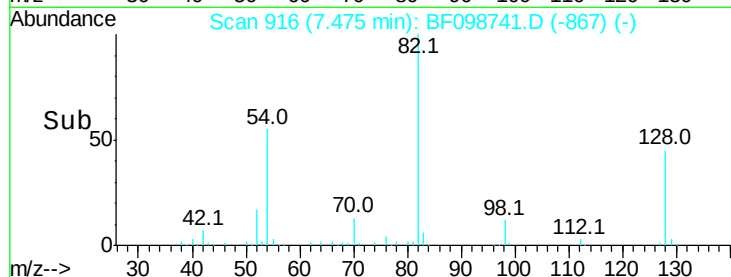
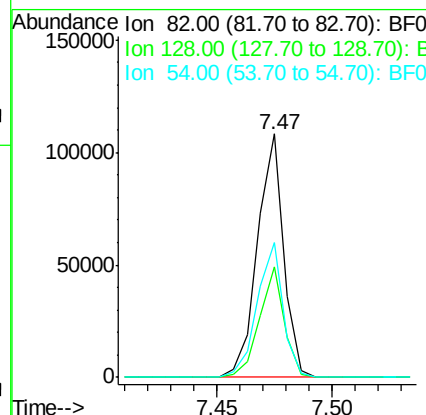
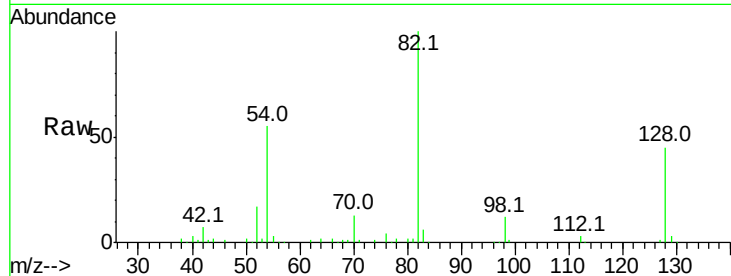
#23
 Nitrobenzene-d5
 Concen: 7.977 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BF098741.D
 Acq: 23 Sep 2017 16:13

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-092017

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	55.2	41.4	62.2

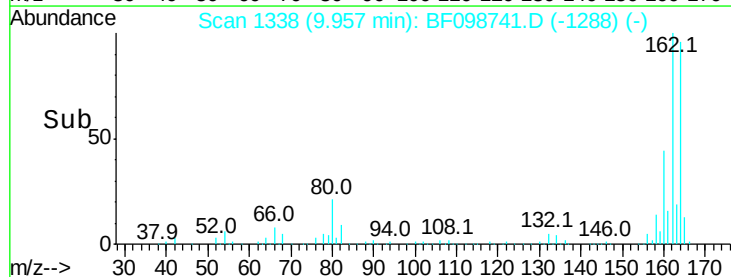
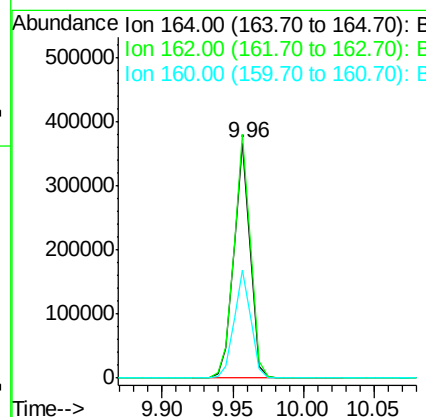
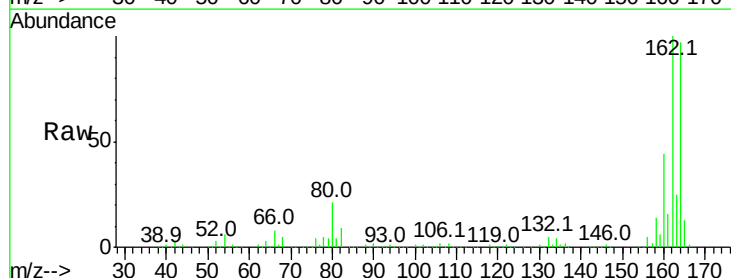
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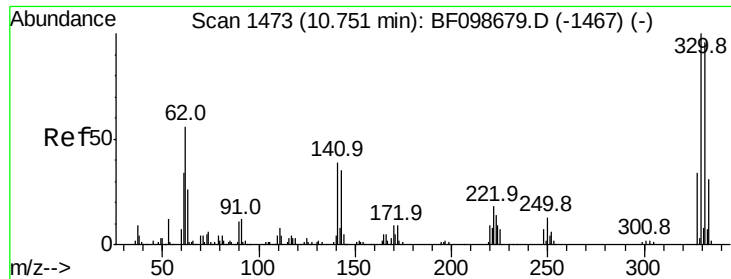
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF098741.D
 Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	46.0	38.3	57.5





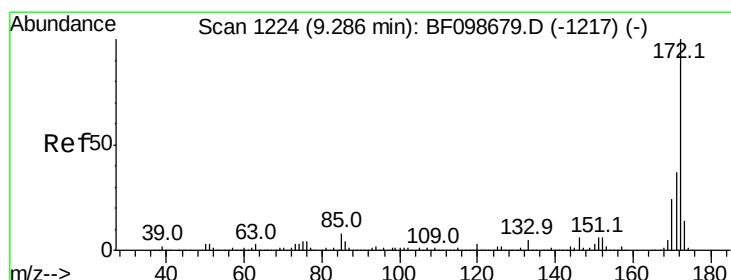
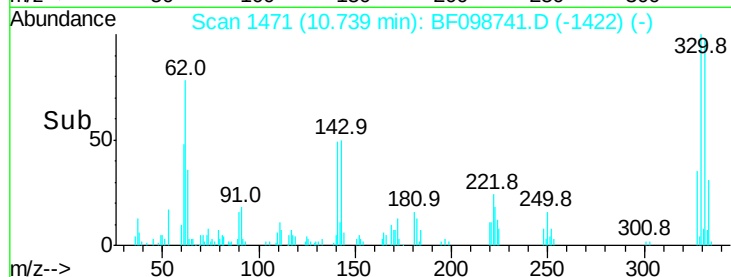
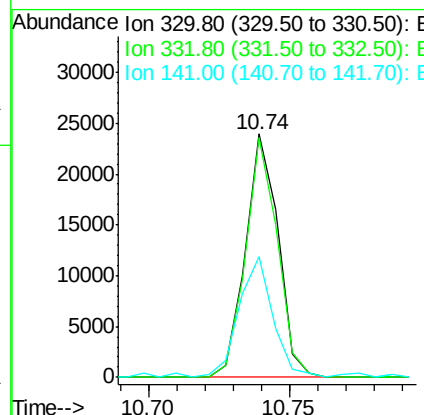
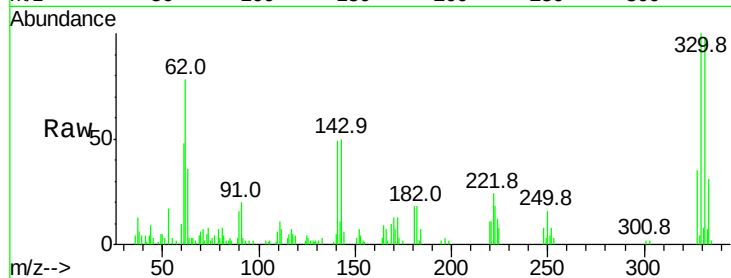
#41
 2,4,6-Tribromophenol
 Concen: 7.931 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098741.D
 Acq: 23 Sep 2017 16:13

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-092017

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	52.5	29.9	44.9

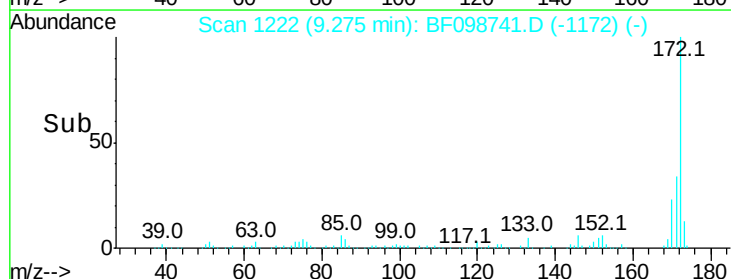
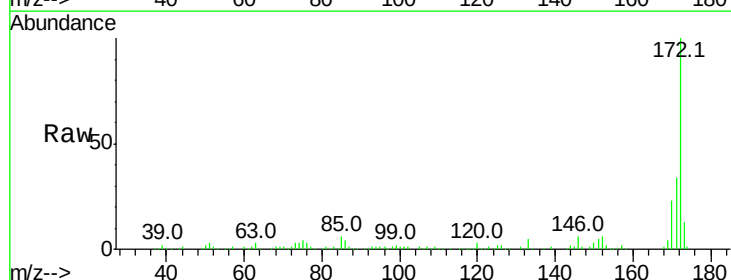
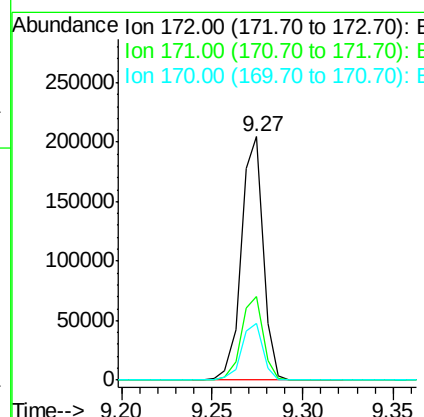
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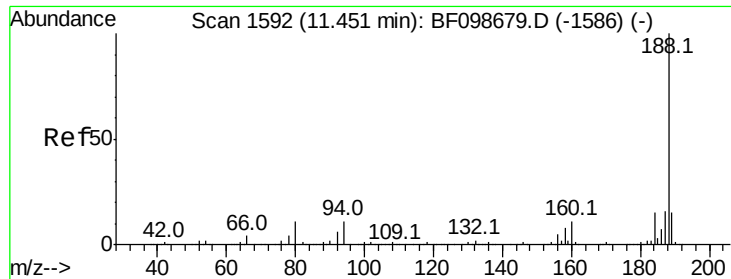
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#44
 2-Fluorobiphenyl
 Concen: 9.700 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098741.D
 Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.7	44.5
170	23.4	19.6	29.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

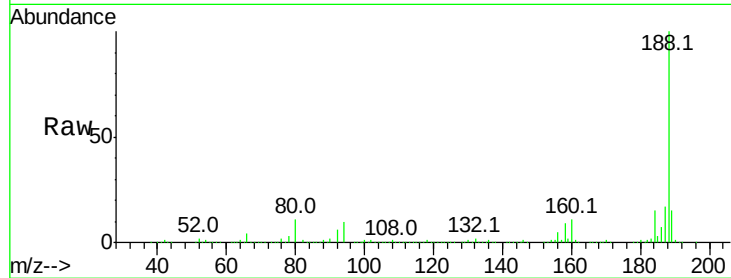
ClientSampled :

TR-05-092017

Tot Ion:	188	Resp:	458029
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.5	12.7
80	11.3	9.2	13.8

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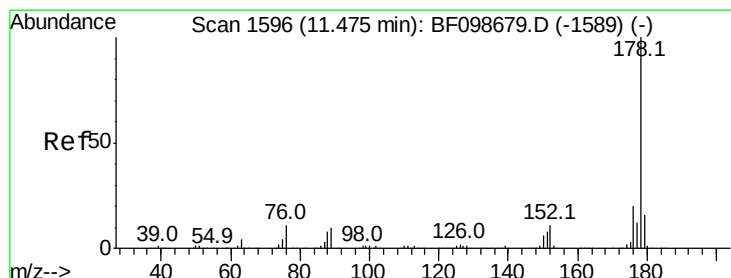
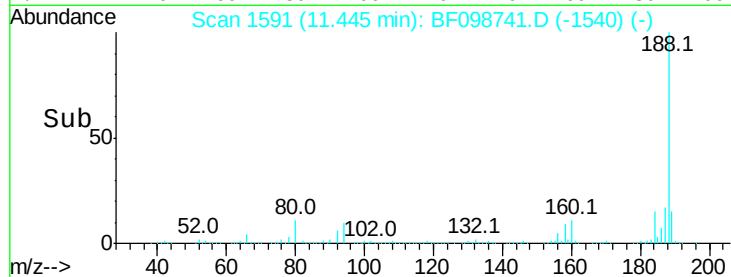
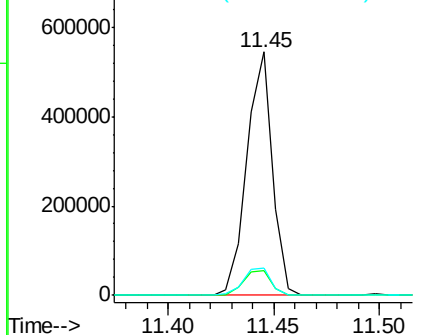
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 8.296 ng

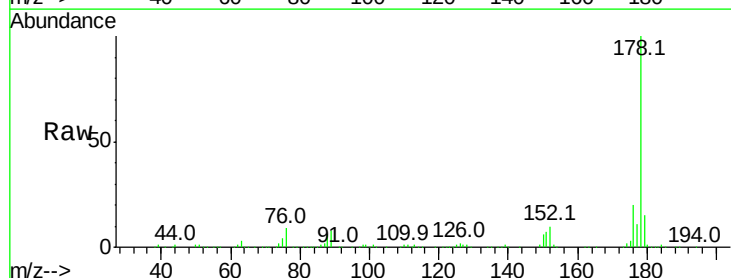
RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

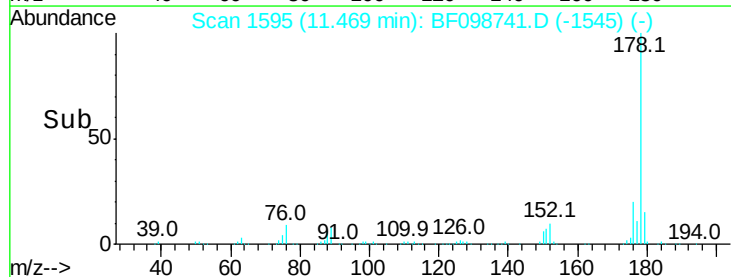
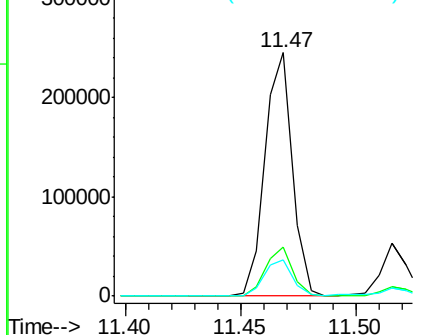
Tgt Ion:	178	Resp:	203382
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	14.9	13.0	19.6

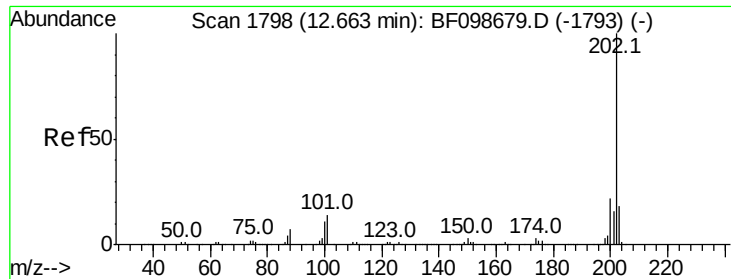


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 13.721 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

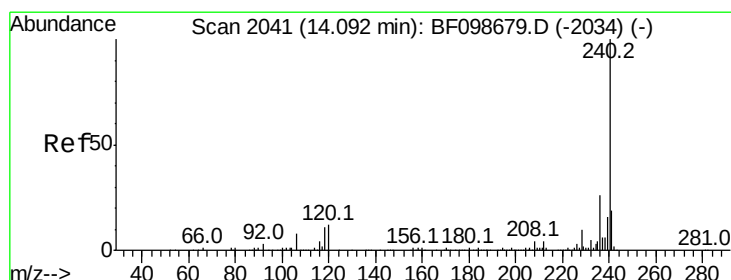
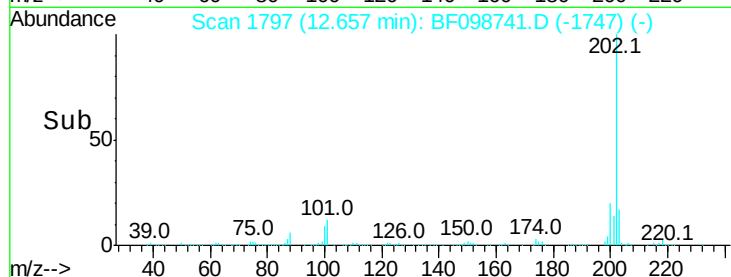
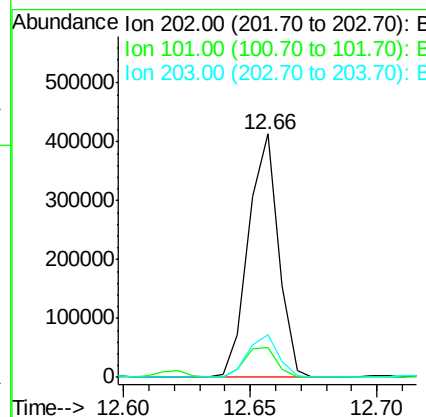
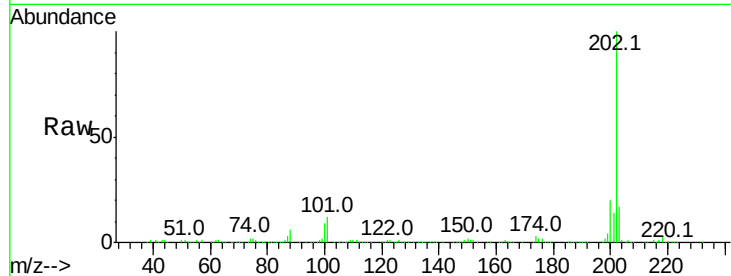
ClientSampled :

TR-05-092017

Tot Ion	Ratio	Resp	Lower	Upper
202	100	340644		
101	12.2	0.0	34.1	
203	17.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

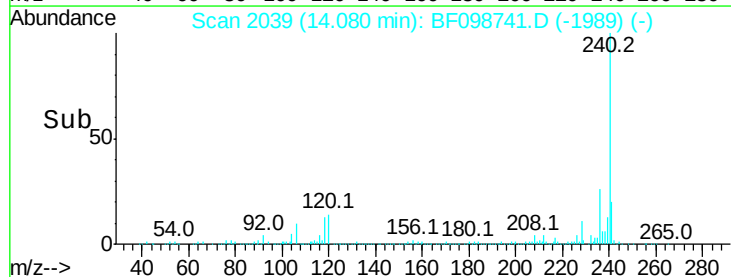
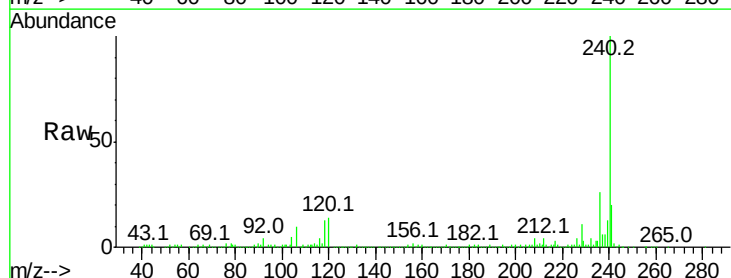
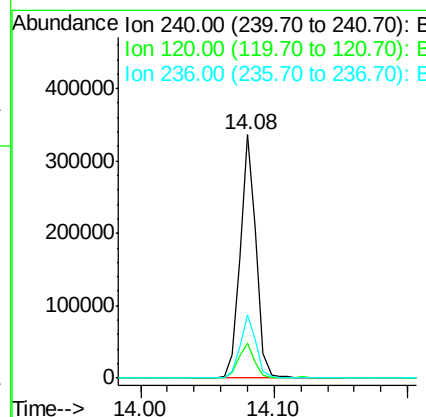
RT: 14.08 min Scan# 2039

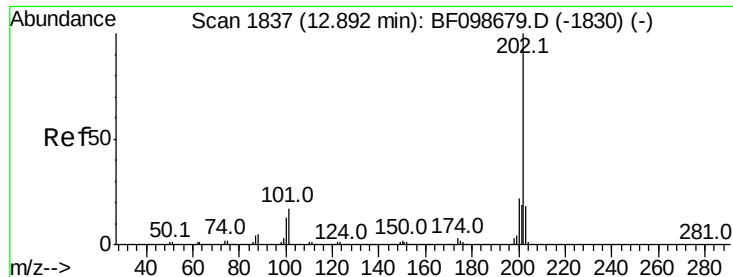
Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	279977		
120	14.3	9.5	14.3	
236	25.9	20.7	31.1	





#77

Pvrene

Concen: 16.365 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

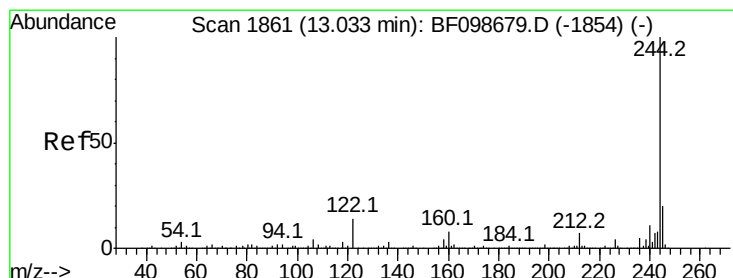
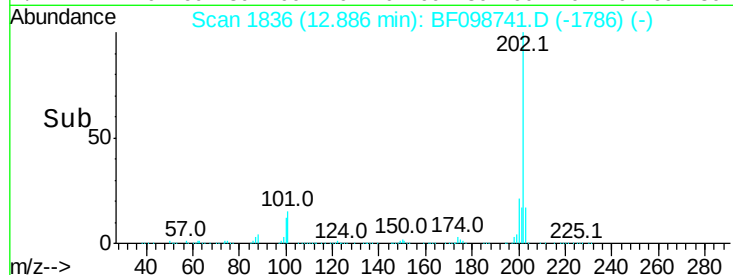
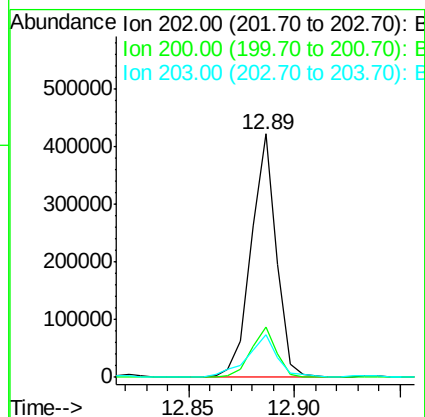
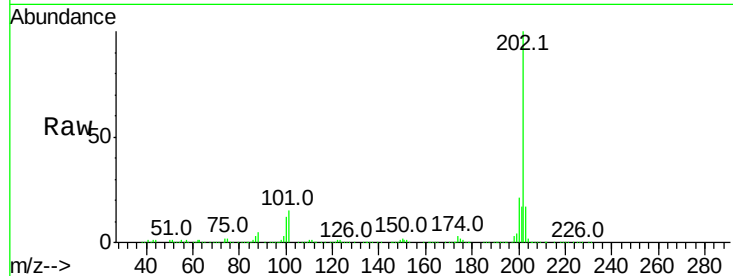
ClientSampled :

TR-05-092017

Tot Ion:	202	Resp:	349376
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 8.881 ng

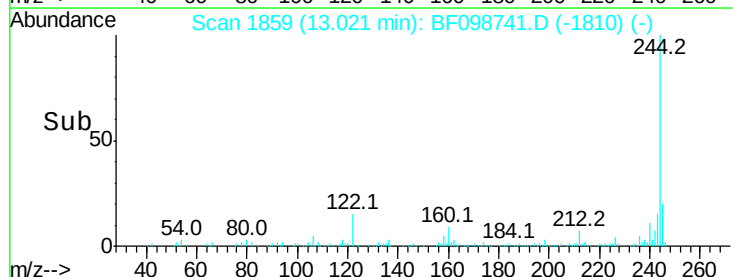
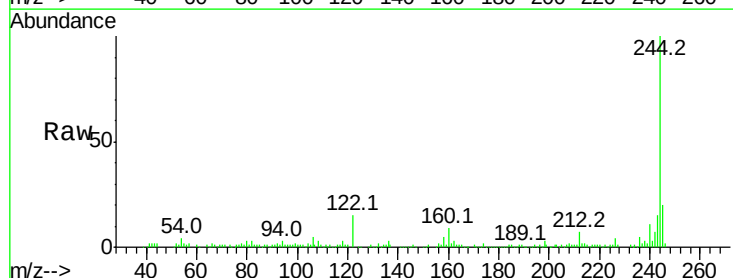
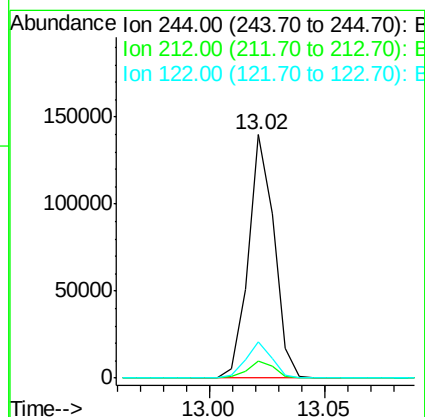
RT: 13.02 min Scan# 1859

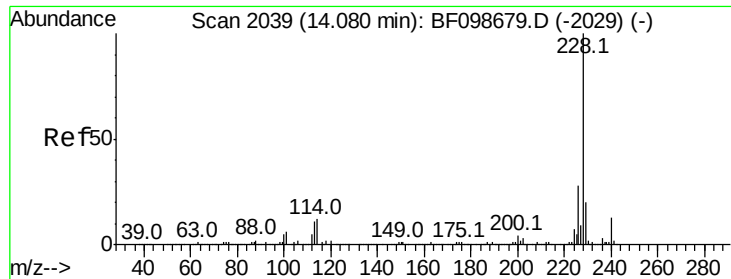
Delta R.T. -0.01 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Tgt Ion:	244	Resp:	109338
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	15.0	11.0	16.4





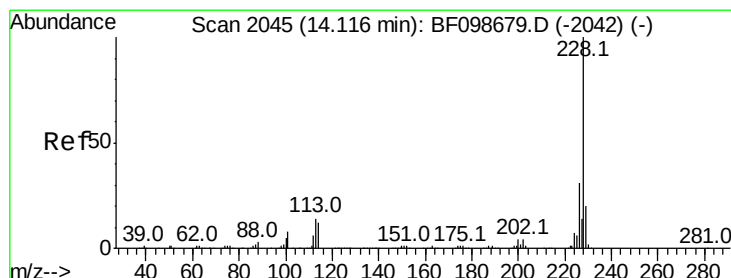
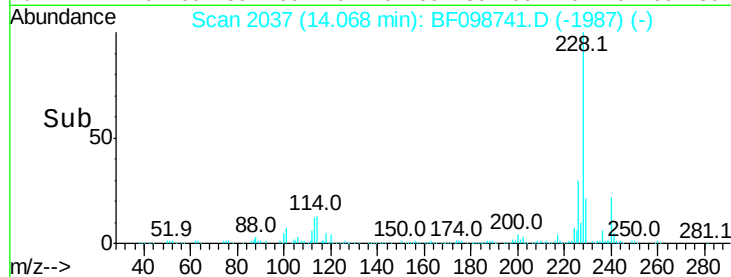
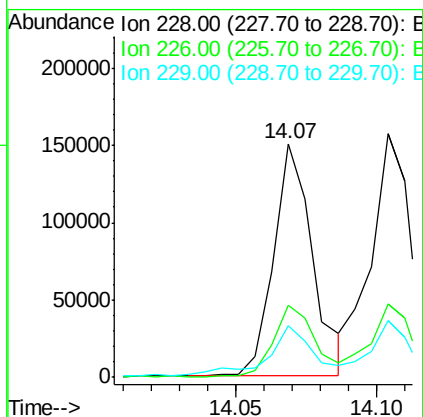
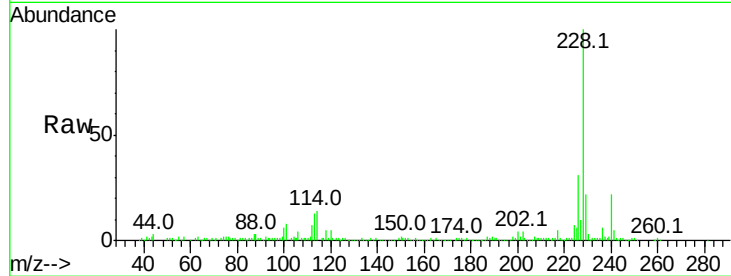
#80
Benzo(a)anthracene
Concen: 8.557 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Instrument :
BNA_F
ClientSampleId :
TR-05-092017

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	22.1	15.8	23.6

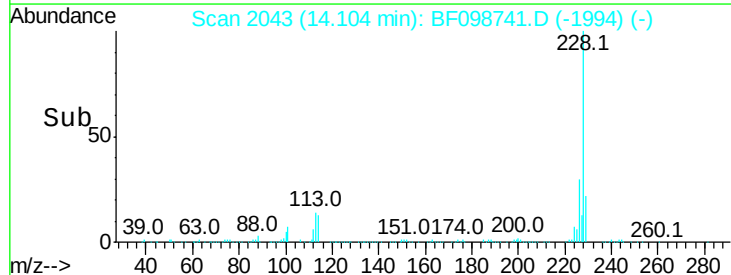
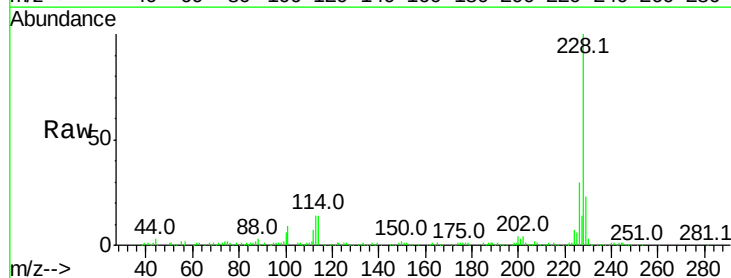
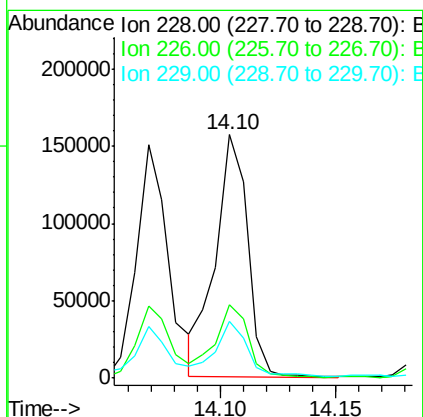
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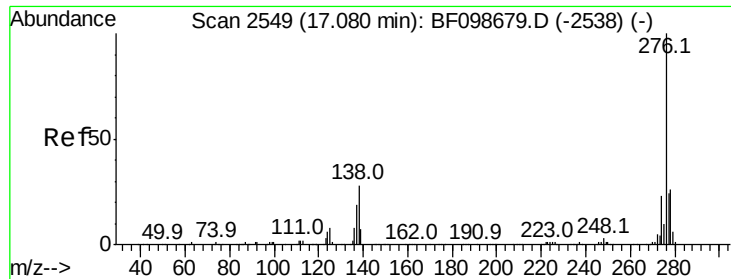
Sohil
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#82
Chrysene
Concen: 9.418 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	23.3	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.906 ng

RT: 17.07 min Scan# 2547

Delta R.T. -0.02 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Instrument :

BNA_F

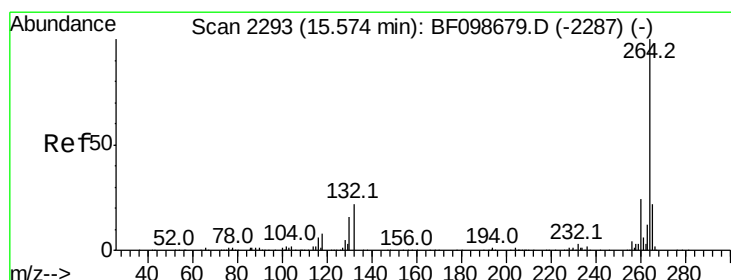
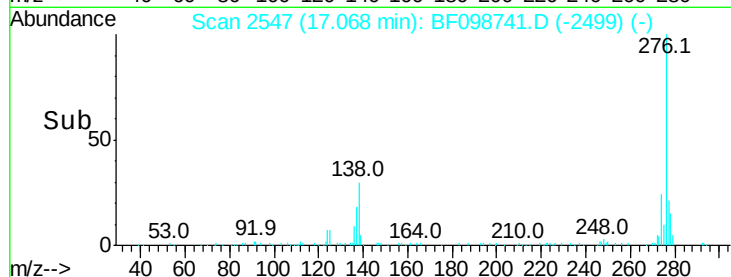
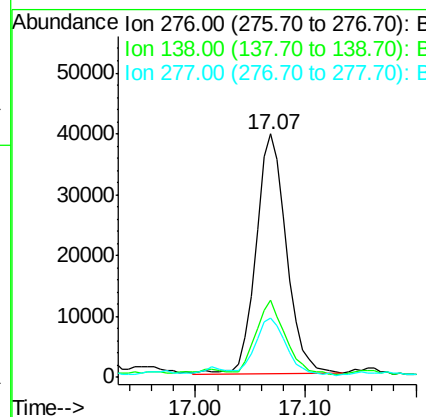
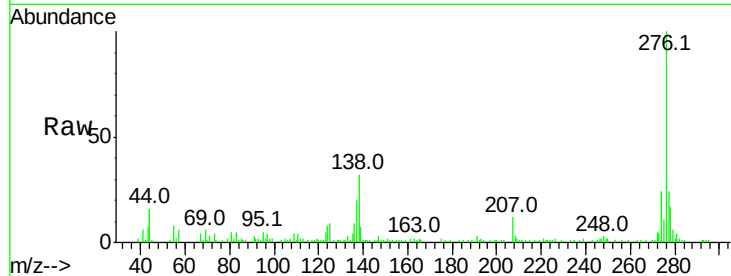
ClientSampled :

TR-05-092017

Tot Ion:	276	Resp:	76254
Ion Ratio	Lower	Upper	
276	100		
138	30.0	25.0	37.6
277	24.1	20.1	30.1

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

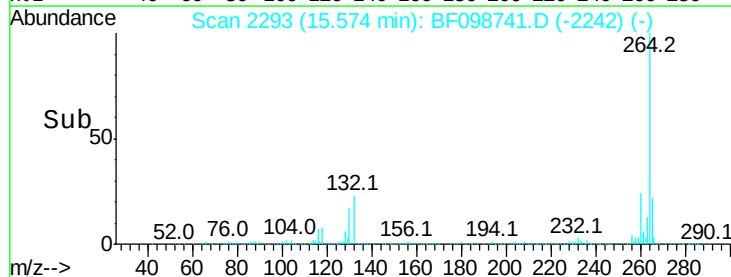
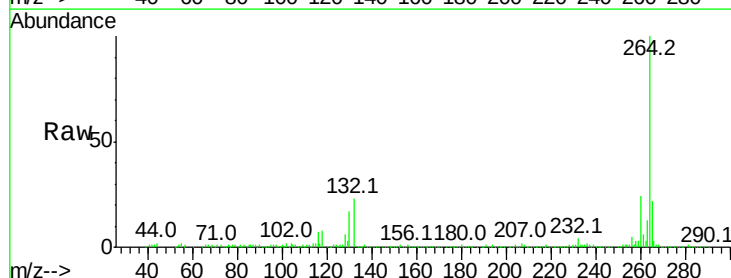
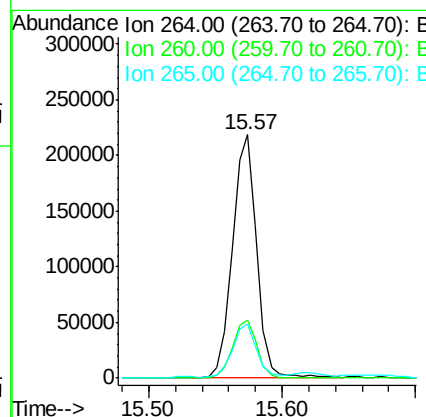
RT: 15.57 min Scan# 2293

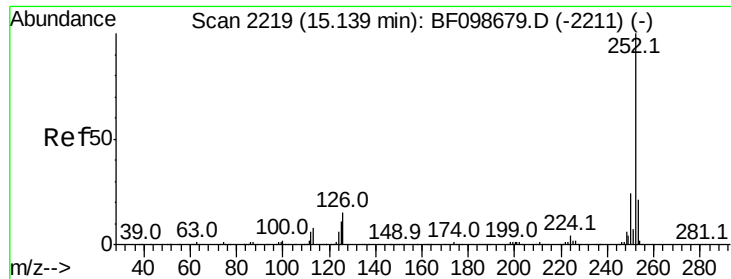
Delta R.T. -0.00 min

Lab File: BF098741.D

Acq: 23 Sep 2017 16:13

Tgt Ion:	264	Resp:	275900
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.3	17.5	26.3





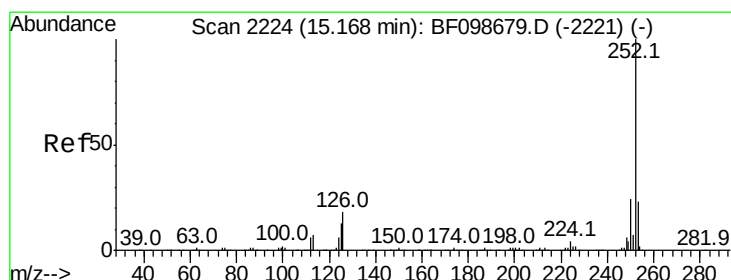
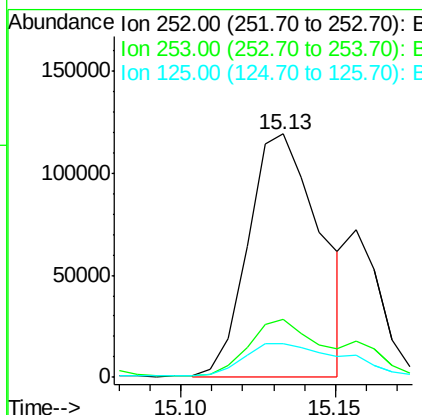
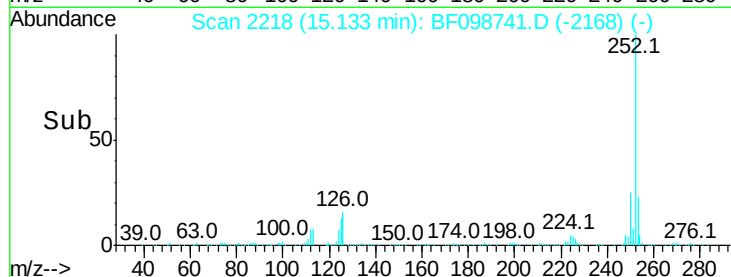
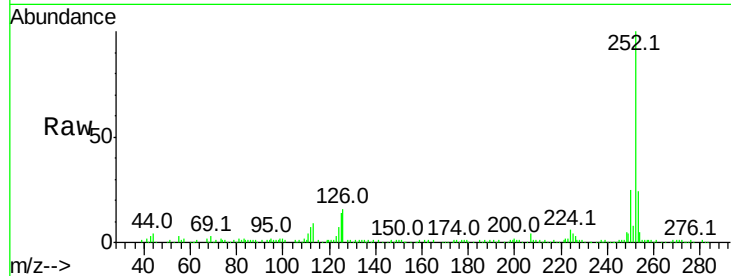
#87
Benzo(b)fluoranthene
Concen: 11.481 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Instrument :
BNA_F
ClientSampleId :
TR-05-092017

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	13.9	9.0	13.6

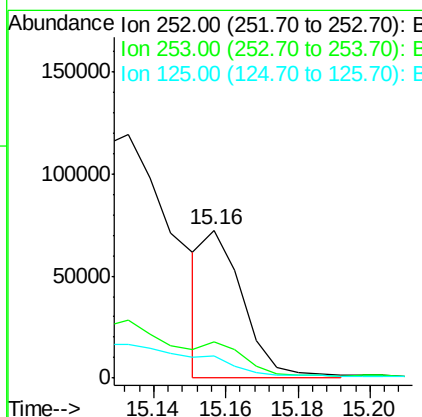
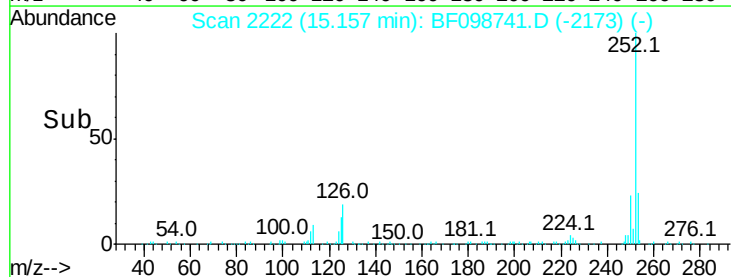
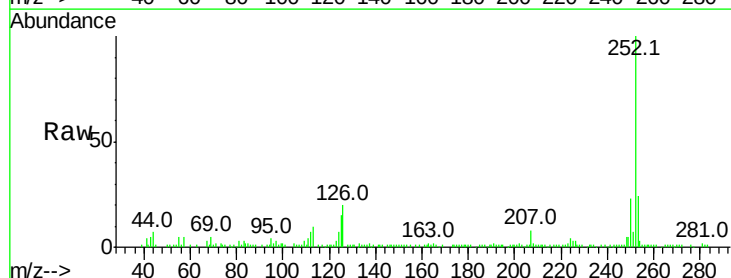
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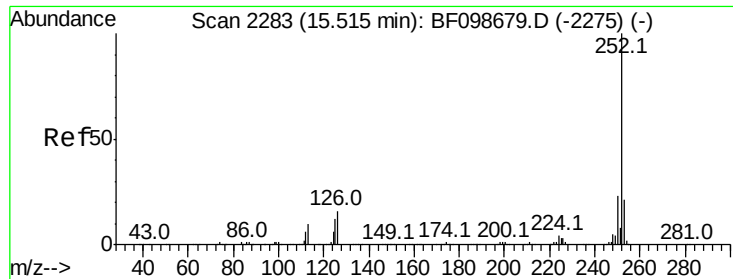
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#88
Benzo(k)fluoranthene
Concen: 3.268 ng m
RT: 15.16 min Scan# 2222
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	14.6	10.2	15.2





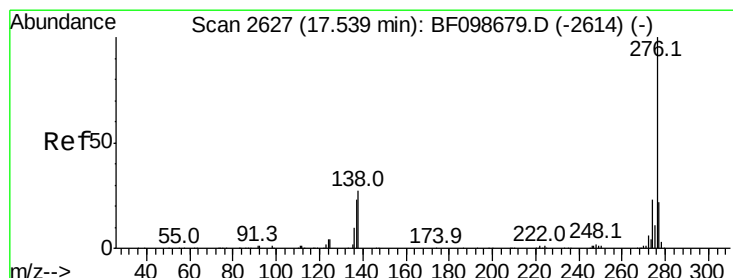
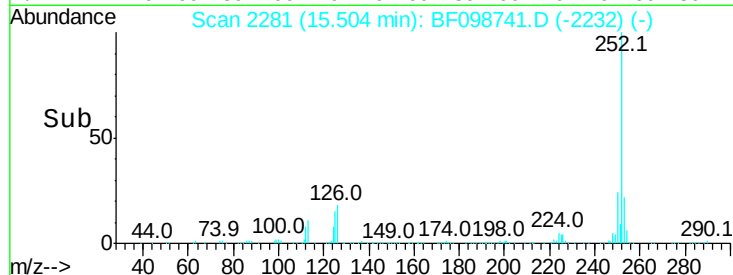
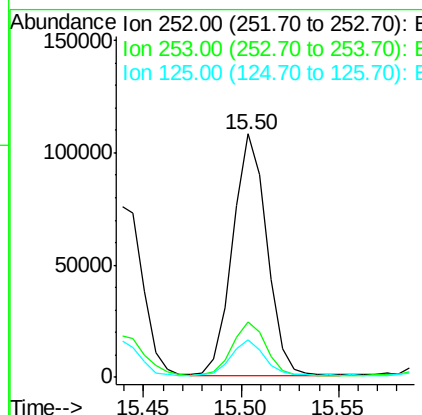
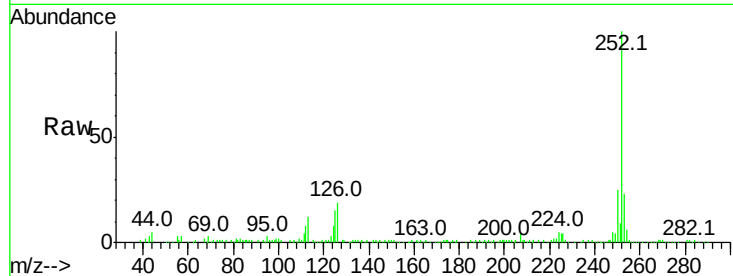
#89
Benzo(a)pyrene
Concen: 8.453 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Instrument :
BNA_F
ClientSampled :
TR-05-092017

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	17.1	25.7
125	15.5	9.8	14.6

Manual Integrations
APPROVED

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9/25/2017 6:26:11 PM



#91
Benzo(g,h,i)perylene
Concen: 6.269 ng
RT: 17.53 min Scan# 2625
Delta R.T. -0.02 min
Lab File: BF098741.D
Acq: 23 Sep 2017 16:13

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	23.6	17.9	26.9
138	31.9	21.8	32.8

