

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
 Data File : BF098664.D
 Acq On : 20 Sep 2017 17:08
 Operator : SJ/JU
 Sample : I5285-04 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSTP-4

Manual Integrations
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Quant Time: Sep 21 11:37:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	92636	20.00	ng	-0.02
21) Naphthalene-d8	7.90	136	382898	20.00	ng	-0.02
38) Acenaphthene-d10	9.65	164	197443	20.00	ng	-0.02
63) Phenanthrene-d10	11.13	188	308211	20.00	ng	-0.02
75) Chrysene-d12	13.77	240	190722	20.00	ng	-0.01
86) Perylene-d12	15.17	264	223851	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	65935	10.52	ng	-0.01
7) Phenol-d6	6.27	99	89146	11.21	ng	-0.02
23) Nitrobenzene-d5	7.19	82	55409	8.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.45	330	14681	11.14	ng	-0.02
44) 2-Fluorobiphenyl	8.97	172	106467	9.14	ng	-0.02
78) Terphenyl-d14	12.72	244	66066	7.48	ng	-0.02
Target Compounds						
70) Phenanthrene	11.16	178	182798	11.188	ng	99
74) Fluoranthene	12.35	202	203805	12.460	ng	97
77) Pyrene	12.57	202	186734	12.411	ng	100
80) Benzo(a)anthracene	13.76	228	89411	7.996	ng	97
82) Chrysene	13.80	228	71987	6.369	ng	94
85) Indeno(1,2,3-cd)pyrene	16.50	276	36335	4.582	ng	# 89
87) Benzo(b)fluoranthene	14.78	252	127662m	9.070	ng	
88) Benzo(k)fluoranthene	14.80	252	34144m	2.598	ng	
89) Benzo(a)pyrene	15.11	252	93751	7.476	ng	97
91) Benzo(g,h,i)perylene	16.90	276	33288m	3.628	ng	

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

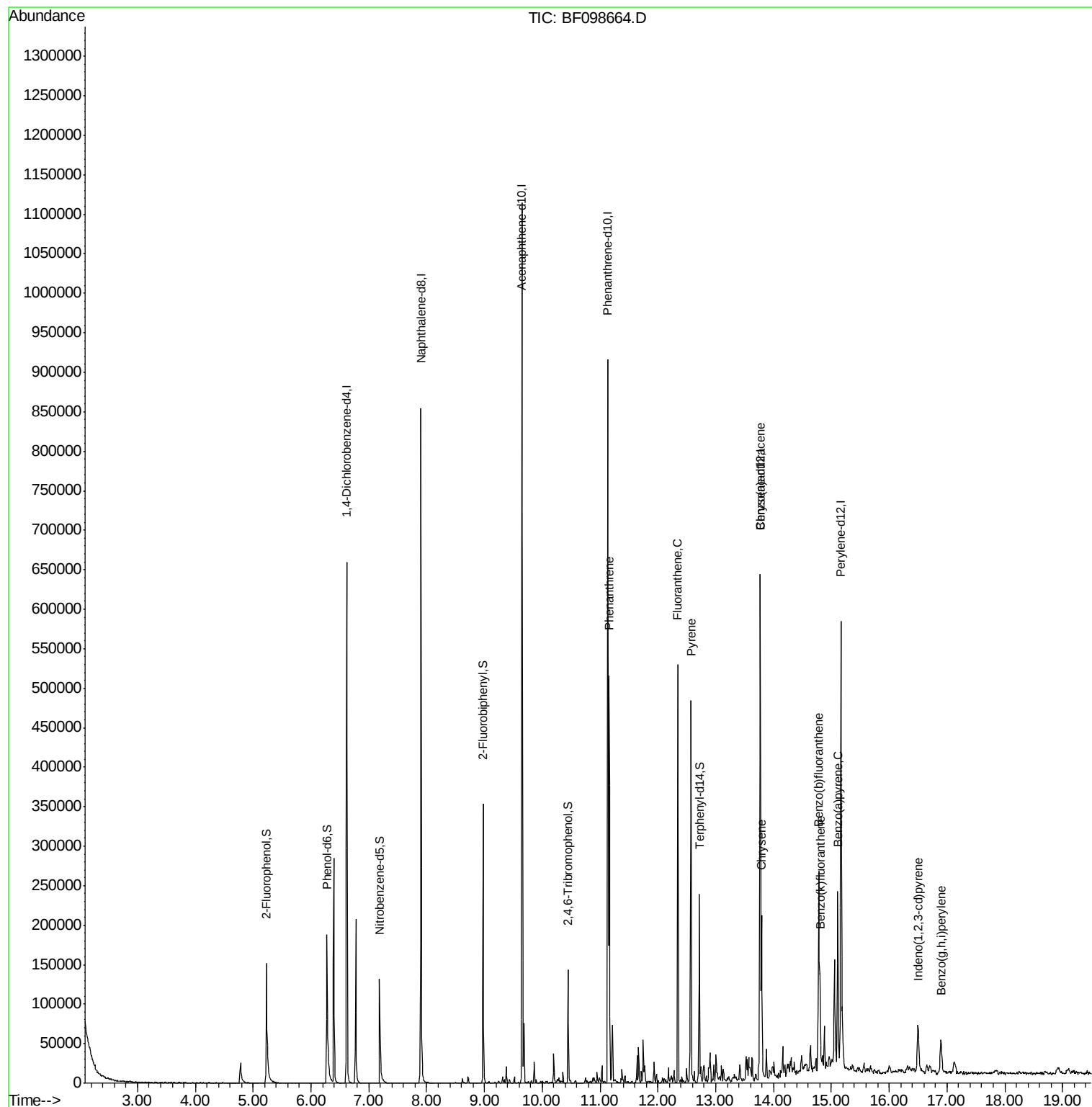
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092017\
Data File : BF098664.D
Acq On : 20 Sep 2017 17:08
Operator : SJ/JU
Sample : I5285-04 10X
Misc :
ALS Vial : 12 Sample Multiplier: 1

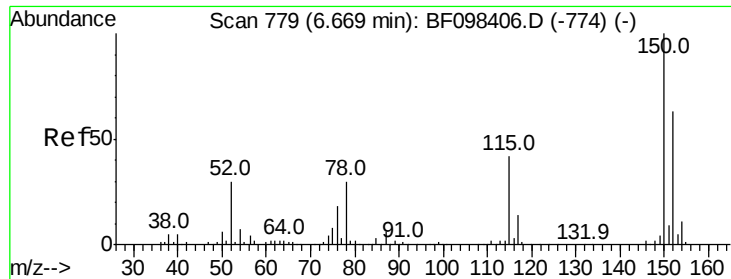
Instrument :
BNA_F
ClientSampleId :
CSTP-4

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#1

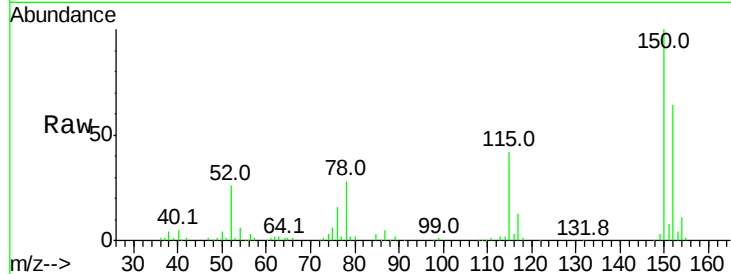
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 770
Delta R.T. -0.02 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Instrument :
BNA_F
ClientSampleId :
CSTP-4

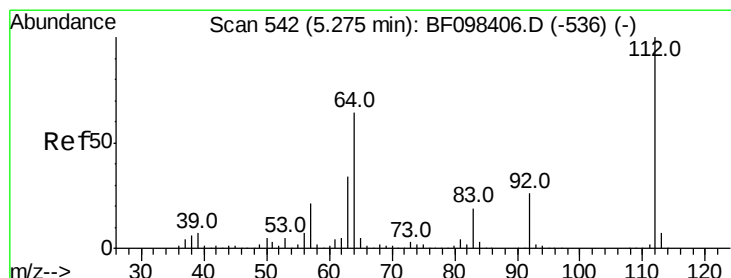
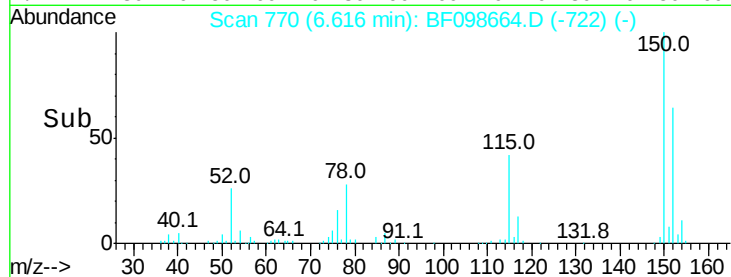
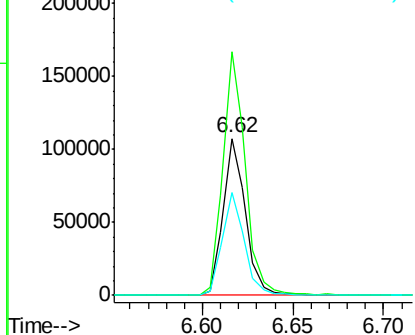
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.2
115	65.5	52.2	78.2

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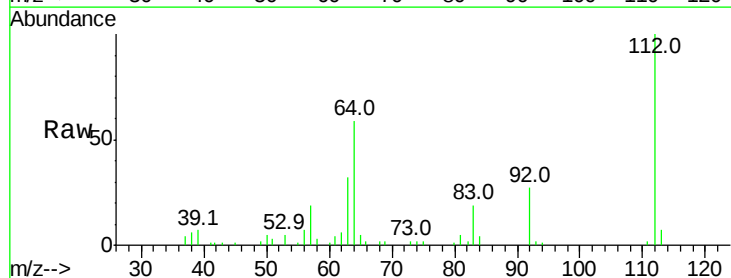
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



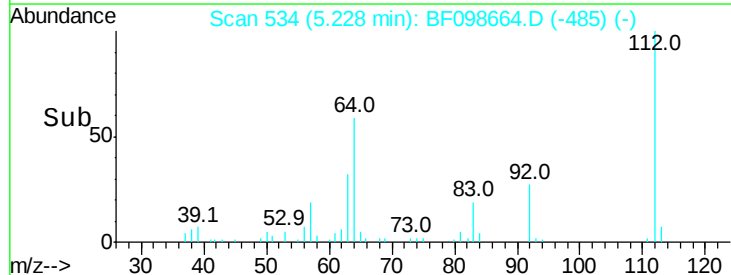
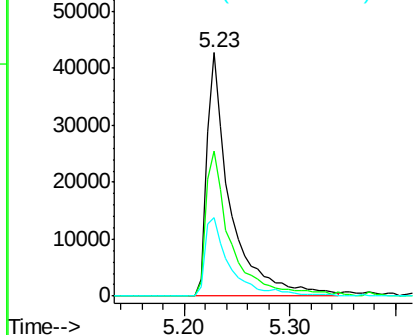
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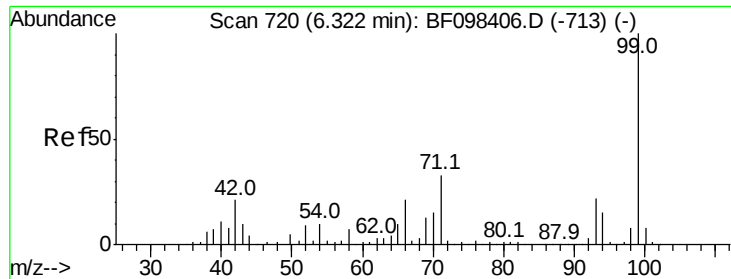
2-Fluorophenol
Concen: 10.524 ng
RT: 5.23 min Scan# 534
Delta R.T. -0.01 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.0	69.0
63	32.2	23.4	35.0



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: 11.206 ng

RT: 6.27 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Instrument :

BNA_F

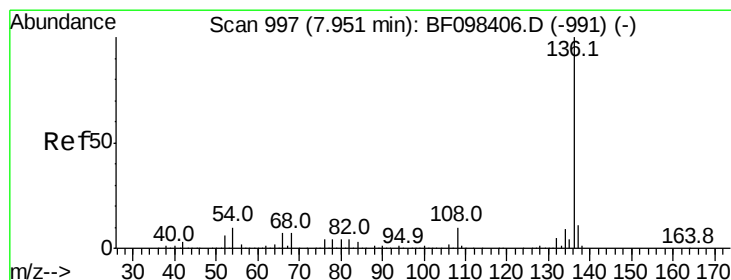
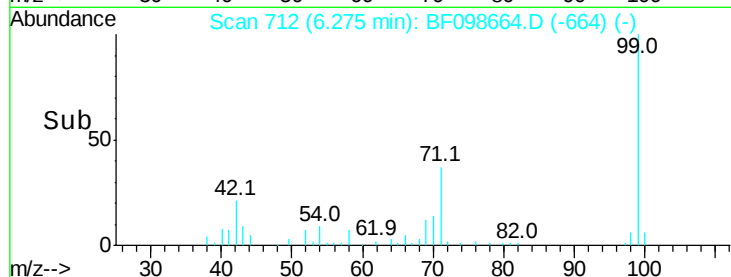
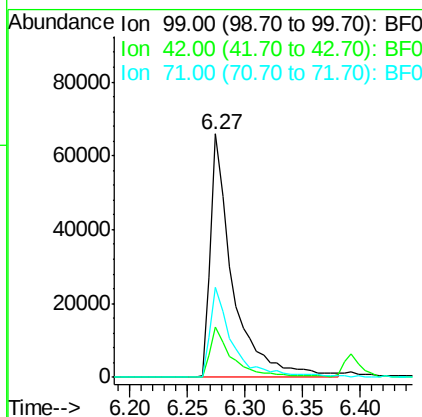
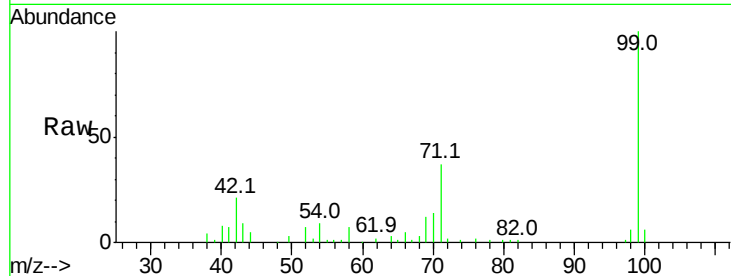
ClientSampled :

CSTP-4

Tot Ion:	99	Resp:	89146
Ion Ratio	Lower	Upper	
99	100		
42	20.6	13.5	20.3#
71	37.1	24.5	36.7#

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#21

Naphthalene-d8

Concen: 20.000 ng

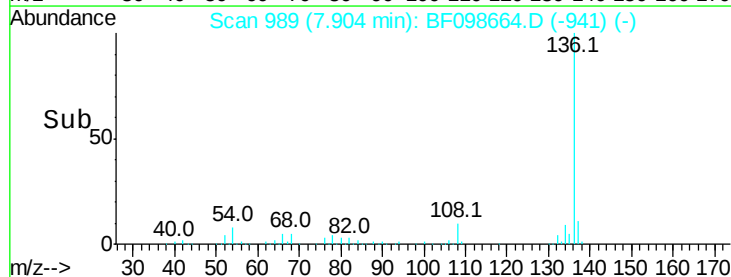
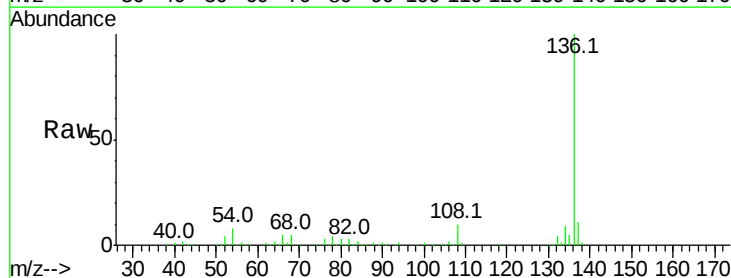
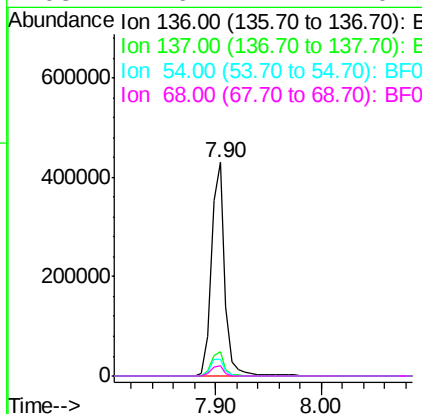
RT: 7.90 min Scan# 989

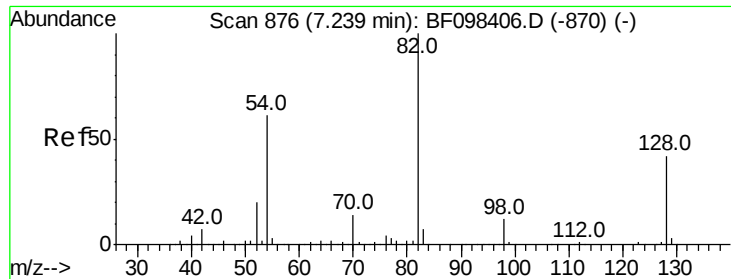
Delta R.T. -0.02 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Tgt Ion:	136	Resp:	382898
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	7.9	4.9	7.3#
68	4.6	4.1	6.1





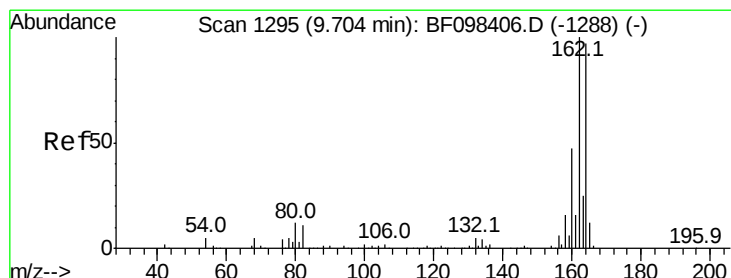
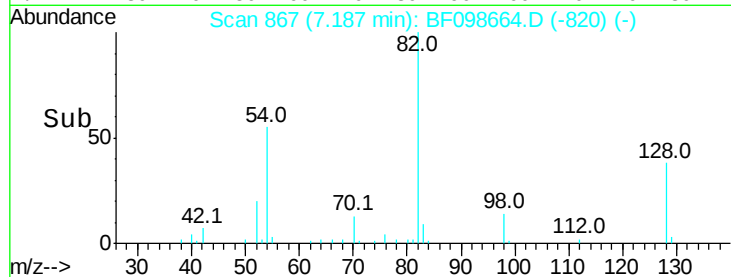
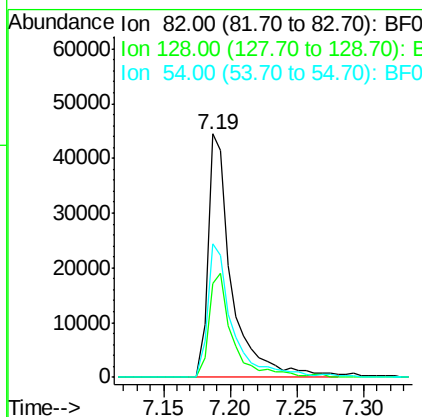
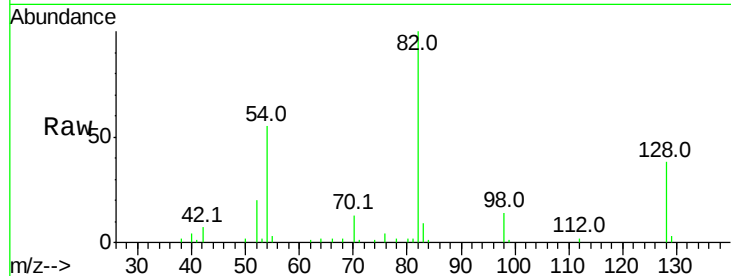
#23
 Nitrobenzene-d5
 Concen: 8.067 ng
 RT: 7.19 min Scan# 867
 Delta R.T. -0.02 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

Instrument :
 BNA_F
 ClientSampled :
 CSTP-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.4	34.0	51.0
54	55.1	42.2	63.2

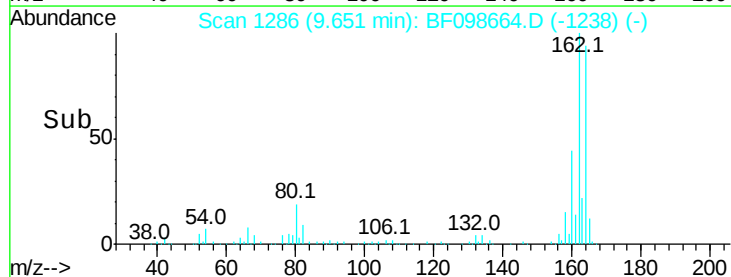
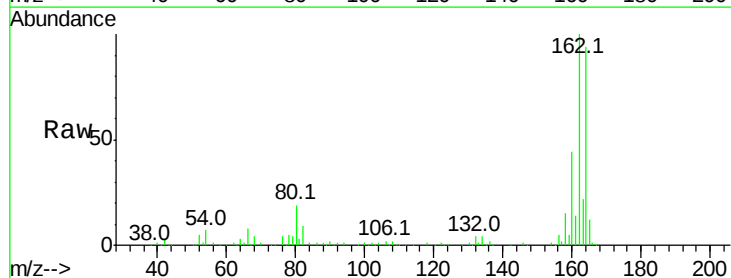
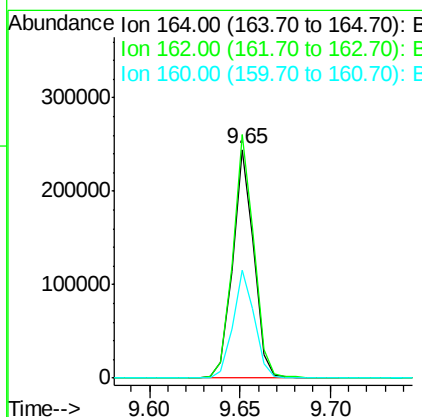
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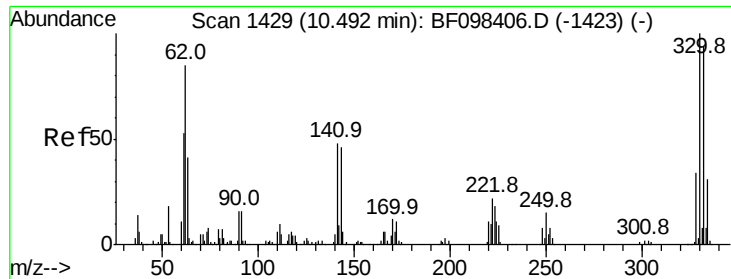
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.65 min Scan# 1286
 Delta R.T. -0.02 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	82.6	123.8
160	47.0	36.2	54.2





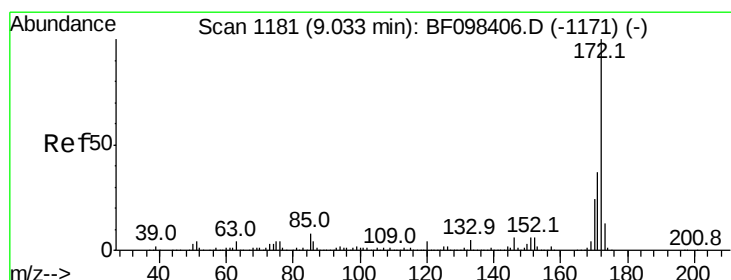
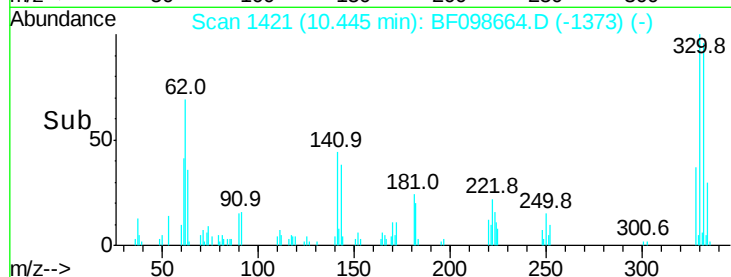
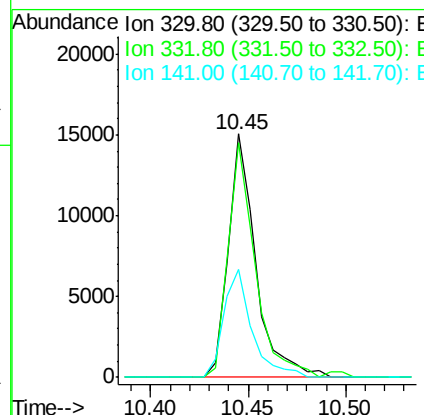
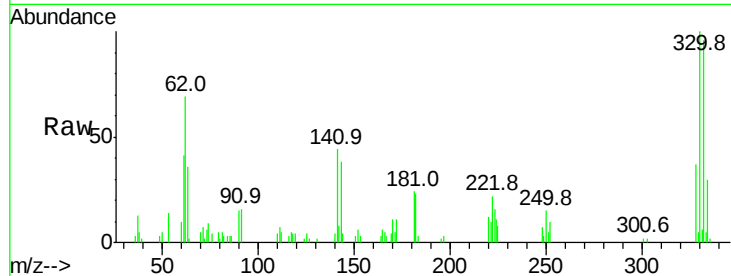
#41
 2,4,6-Tribromophenol
 Concen: 11.141 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

Instrument :
 BNA_F
 ClientSampled :
 CSTP-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	76.6	115.0	
141	45.3	31.4	47.2	

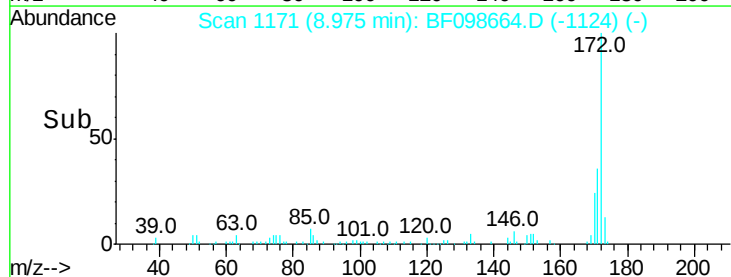
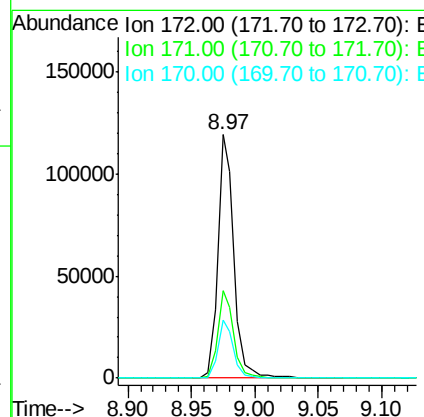
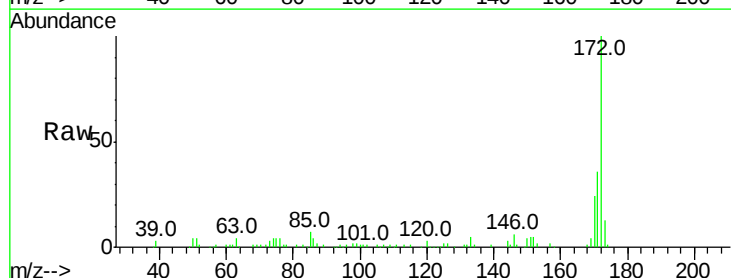
Manual Integrations
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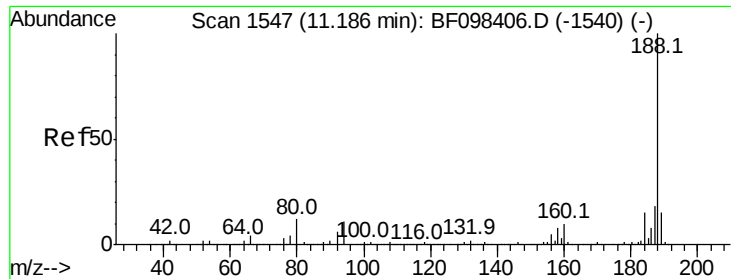
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#44
 2-Fluorobiphenyl
 Concen: 9.139 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.02 min
 Lab File: BF098664.D
 Acq: 20 Sep 2017 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.6	44.4	
170	23.8	19.8	29.8	





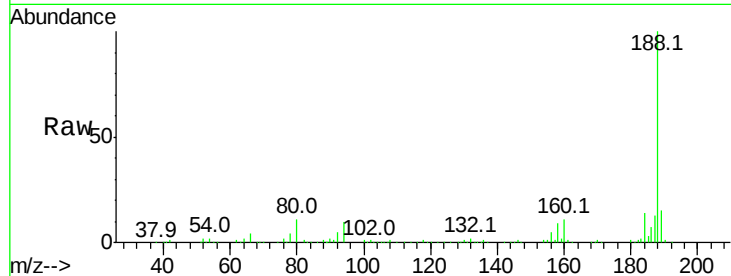
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1538
Delta R.T. -0.02 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Instrument :
BNA_F
ClientSampled :
CSTP-4

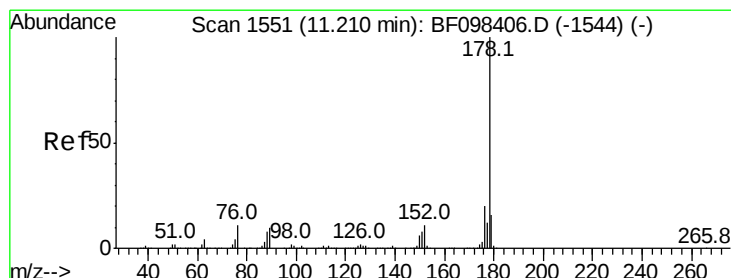
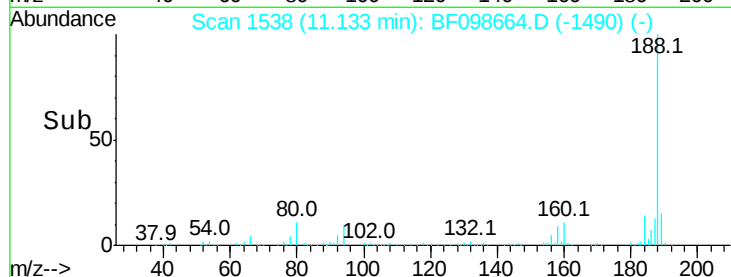
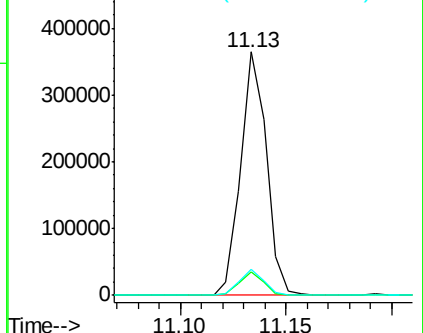
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	9.4	14.2
80	10.9	10.2	15.2

Manual Integrations
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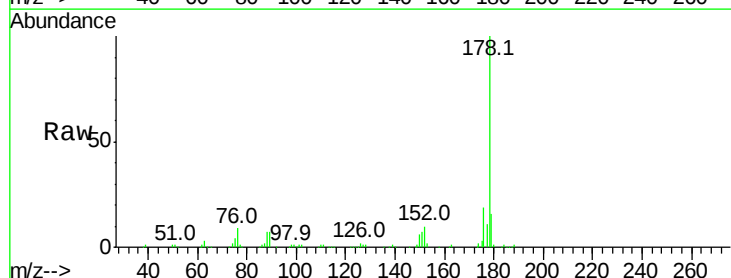


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

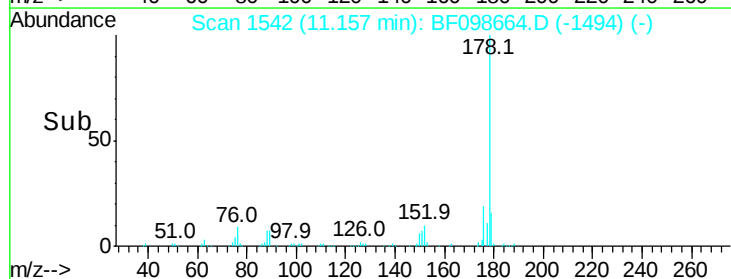
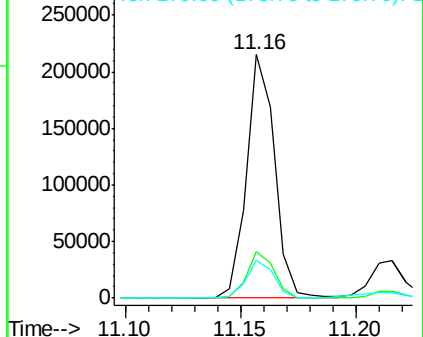


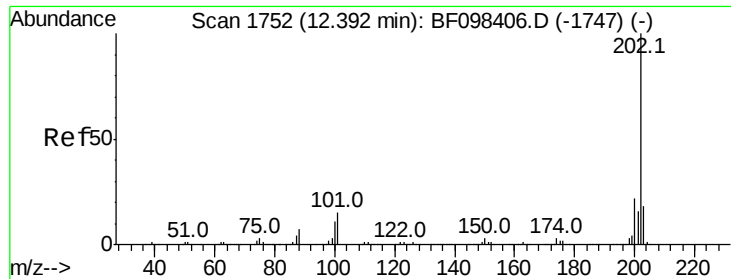
#70
Phenanthrene
Concen: 11.188 ng
RT: 11.16 min Scan# 1542
Delta R.T. -0.02 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.7	12.6	19.0



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: 12.460 ng

RT: 12.35 min Scan# 1744

Delta R.T. -0.02 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Instrument :

BNA_F

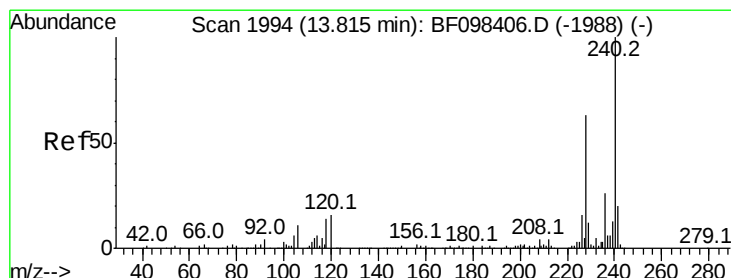
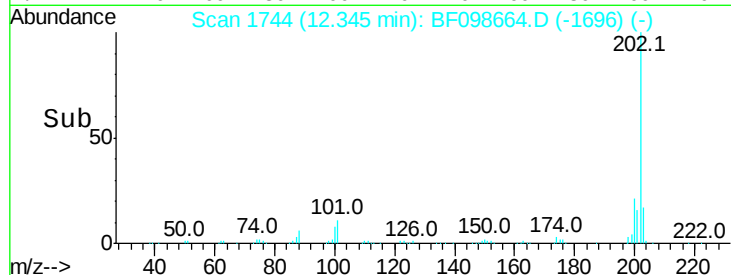
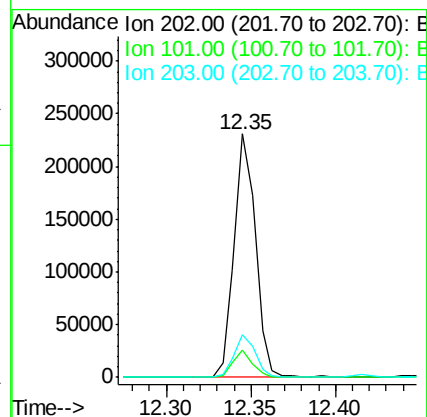
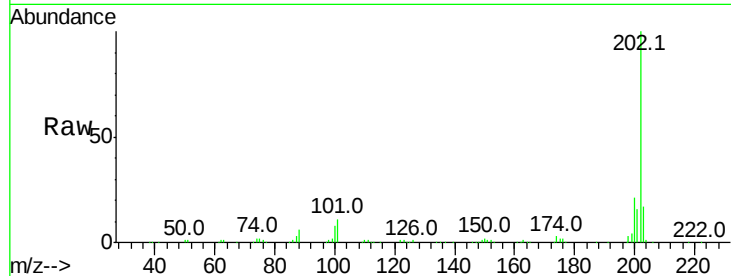
ClientSampleId :

CSTP-4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	33.2
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

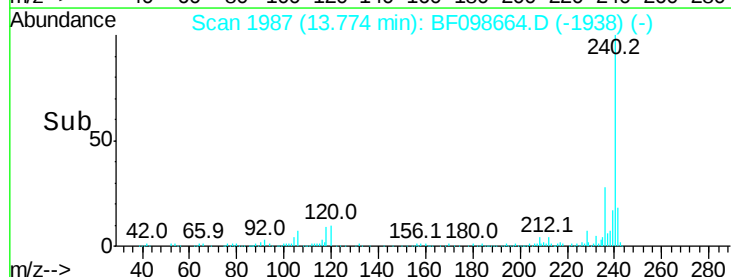
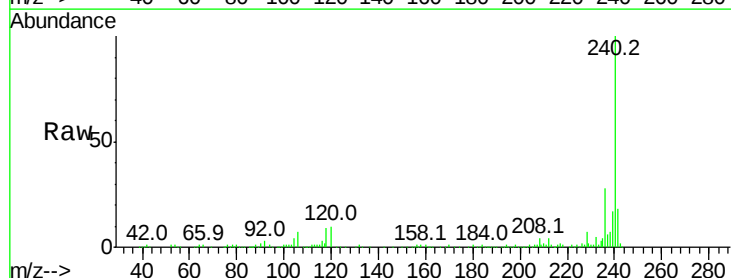
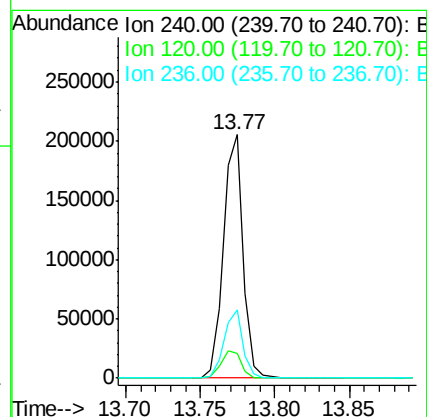
RT: 13.77 min Scan# 1987

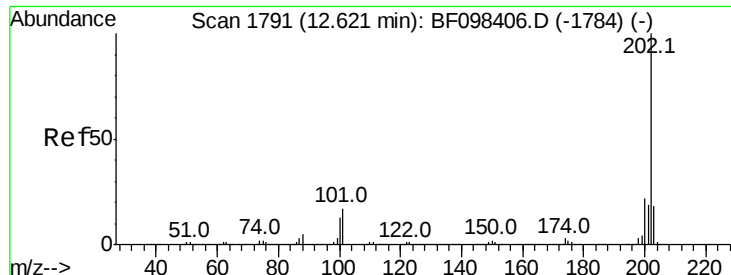
Delta R.T. -0.01 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	5.8	8.8#
236	27.9	20.5	30.7





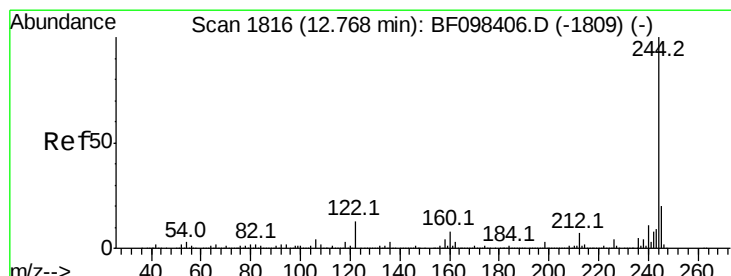
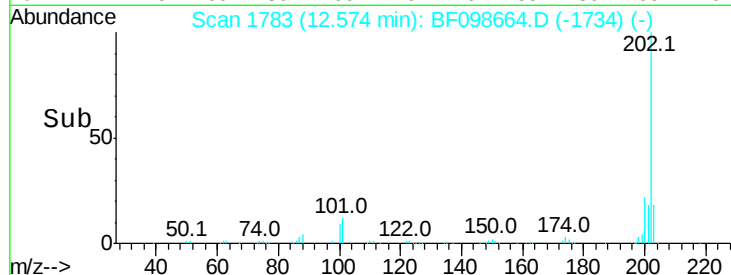
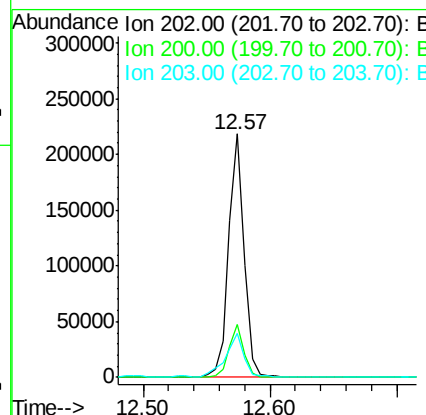
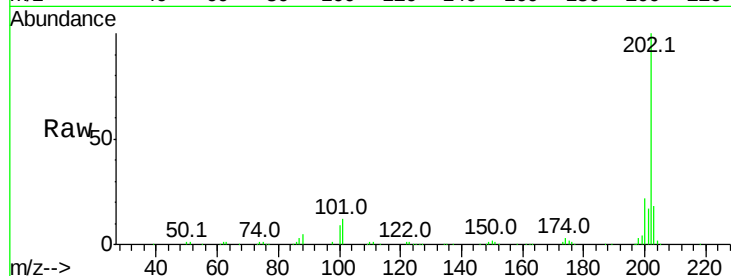
#77
Pvrene
Concen: 12.411 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Instrument :
BNA_F
ClientSampled :
CSTP-4

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	17.9	14.4	21.6

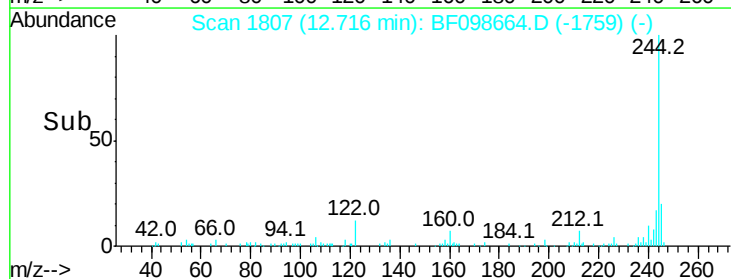
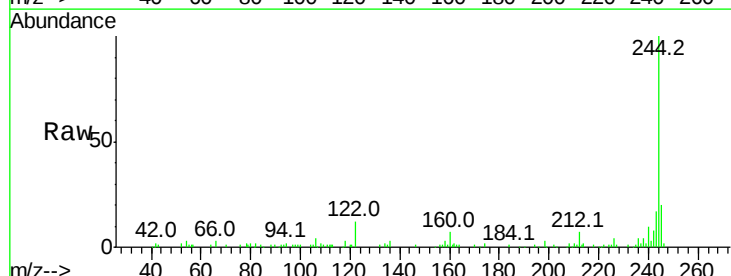
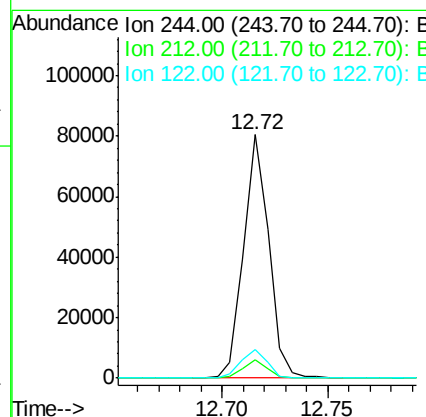
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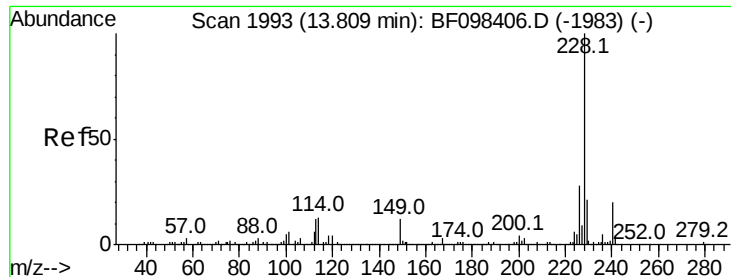
Sohil
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#78
Terphenyl-d14
Concen: 7.477 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	11.6	10.3	15.5





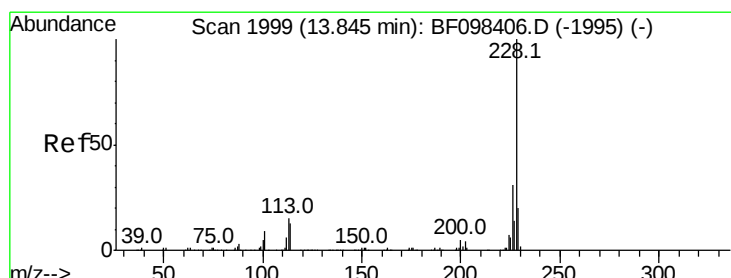
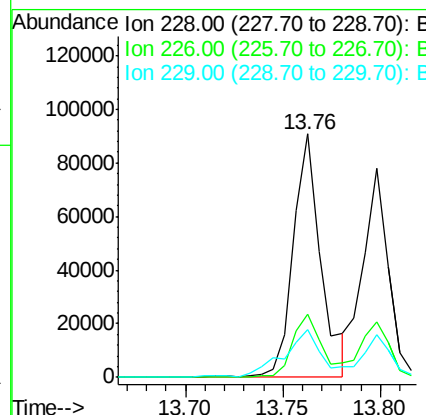
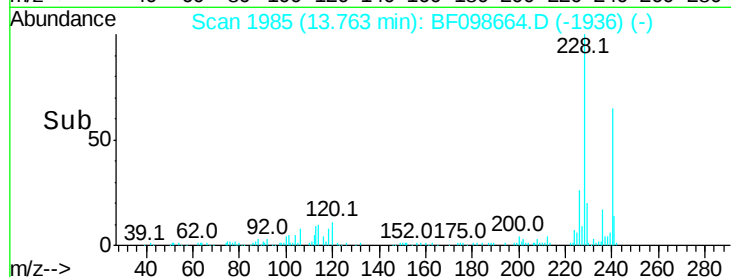
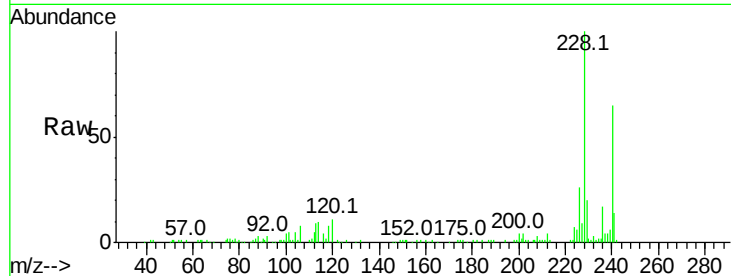
#80
Benzo(a)anthracene
Concen: 7.996 ng
RT: 13.76 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Instrument :
BNA_F
ClientSampleId :
CSTP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.1	22.6	33.8
229	19.7	16.3	24.5

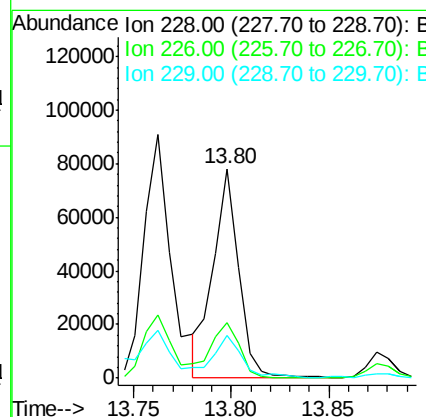
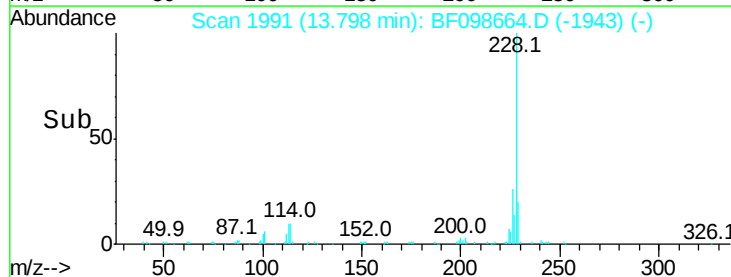
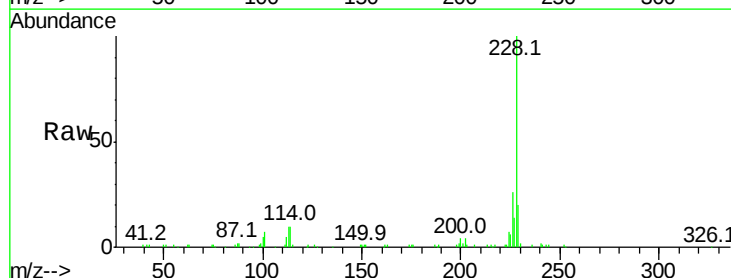
Manual Integrations
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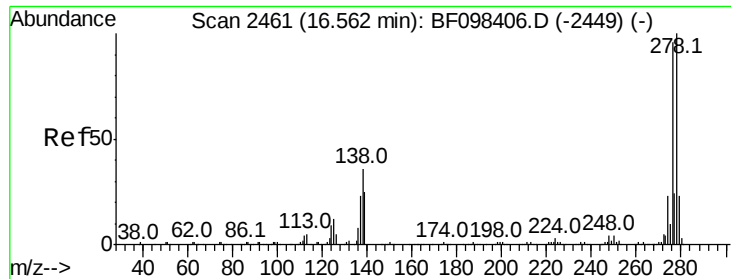
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#82
Chrysene
Concen: 6.369 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	24.9	37.3
229	20.4	15.8	23.6





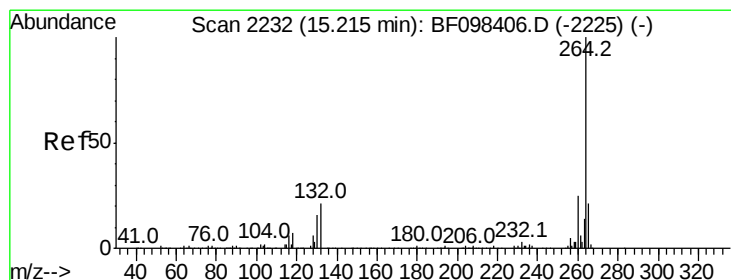
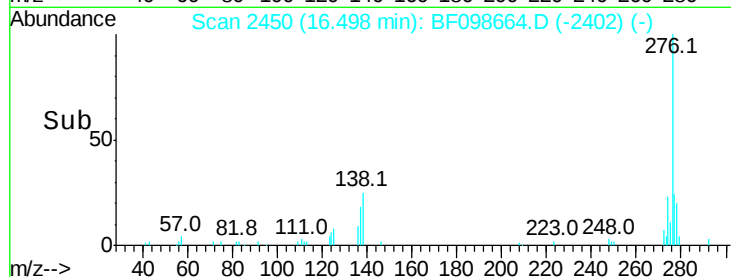
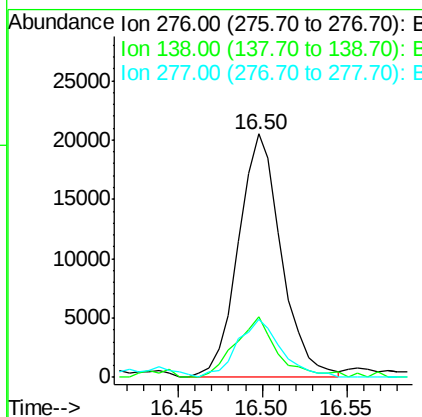
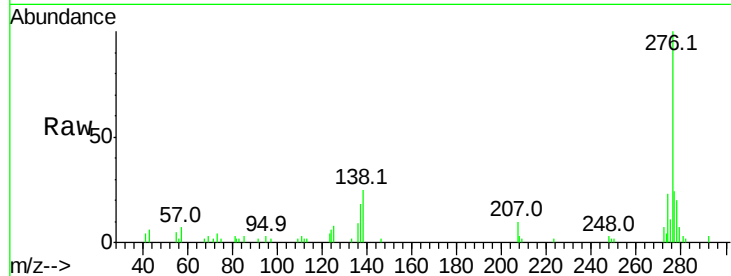
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.582 ng
RT: 16.50 min Scan# 2450
Delta R.T. -0.02 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Instrument :
BNA_F
ClientSampled :
CSTP-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	27.8	41.6#
277	24.4	20.2	30.4

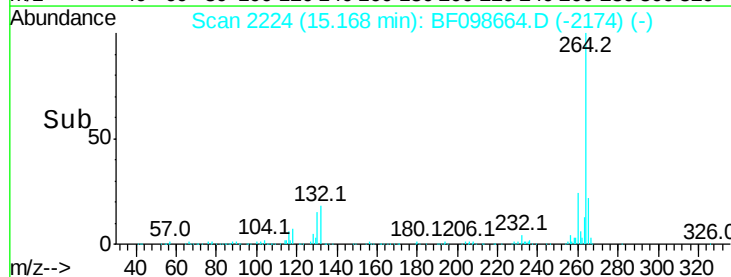
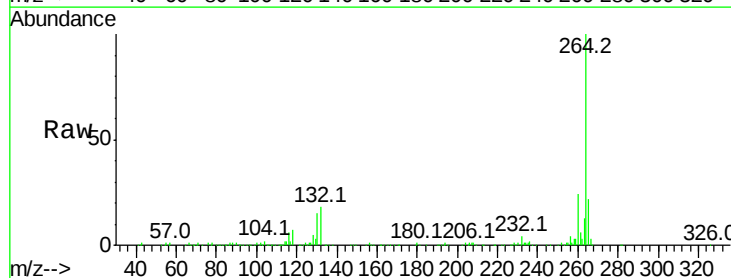
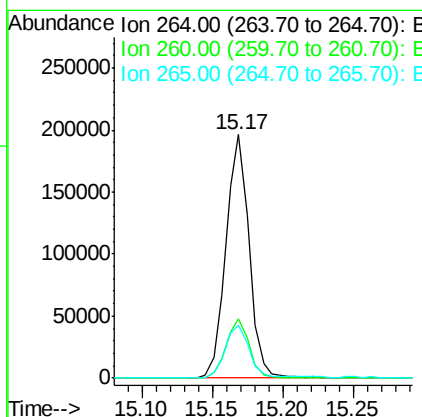
Manual Integrations
APPROVED

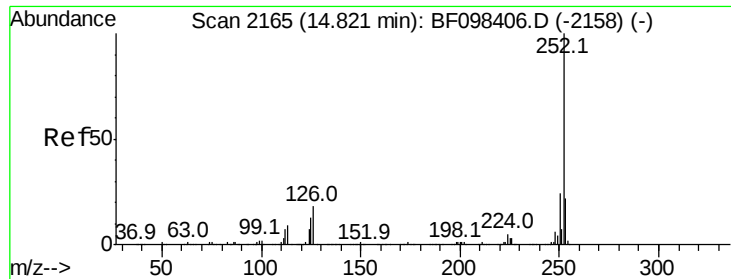
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 9.070 ng m

RT: 14.78 min Scan# 2158

Delta R.T. -0.01 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Instrument :

BNA_F

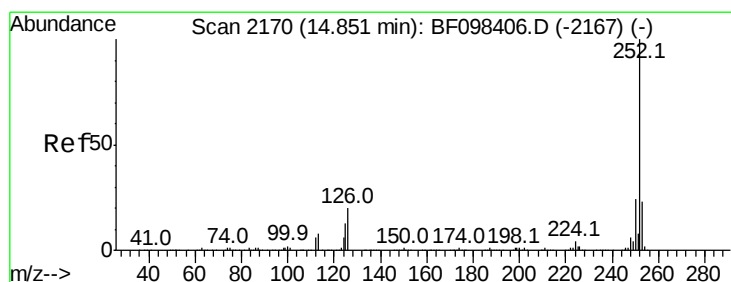
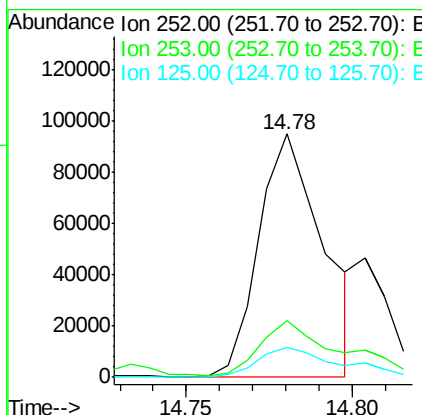
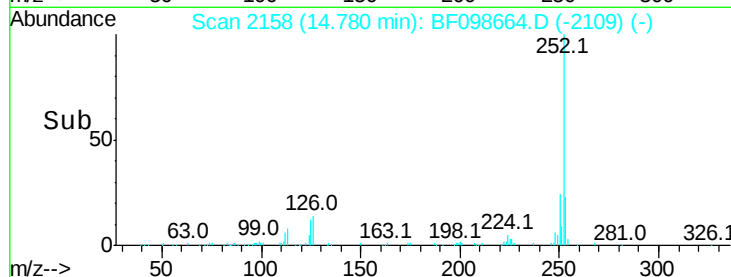
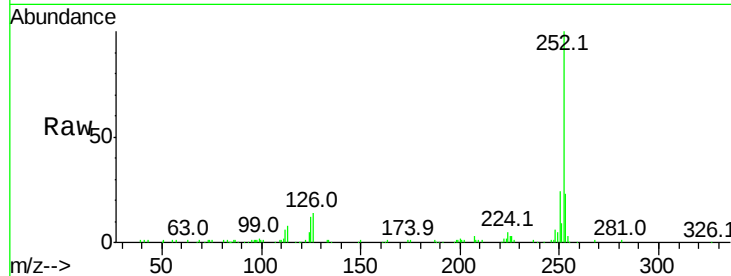
ClientSampleId :

CSTP-4

Tot Ion:	252	Resp:	127662
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.1	27.1
125	12.2	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.598 ng m

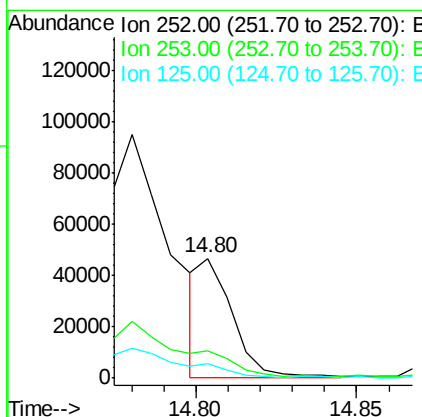
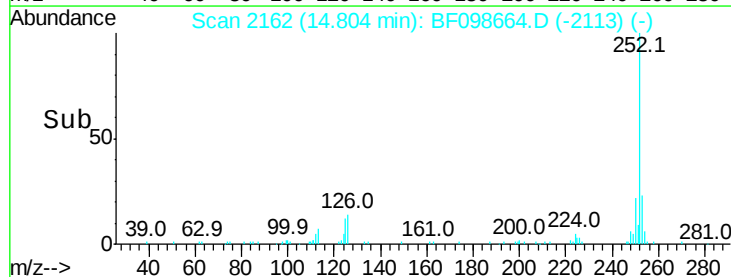
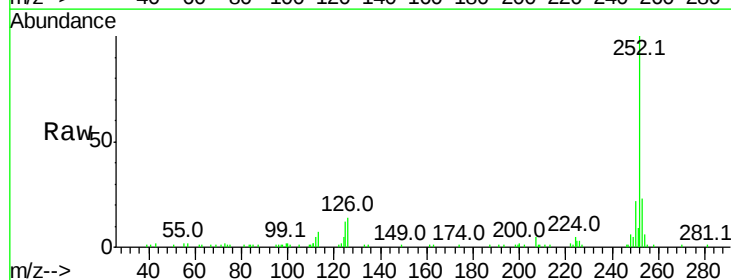
RT: 14.80 min Scan# 2162

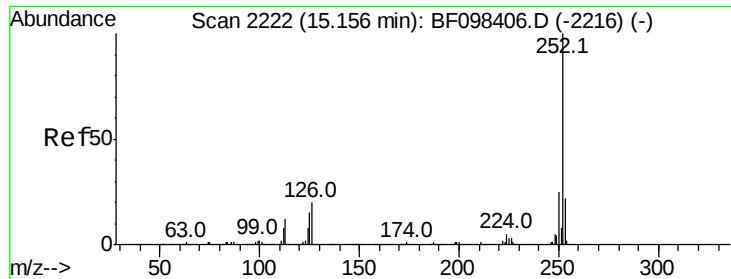
Delta R.T. -0.01 min

Lab File: BF098664.D

Acq: 20 Sep 2017 17:08

Tgt Ion:	252	Resp:	34144
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.4	27.6
125	11.7	13.1	19.7#





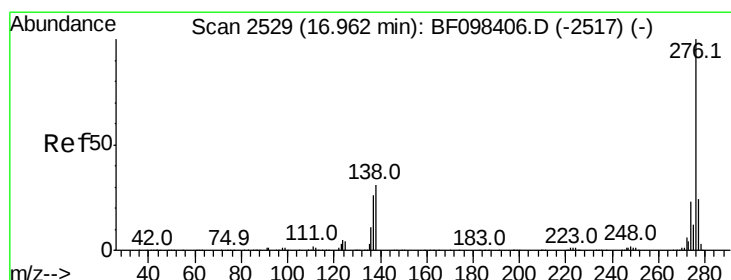
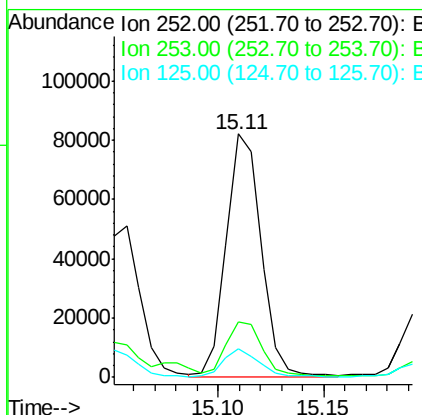
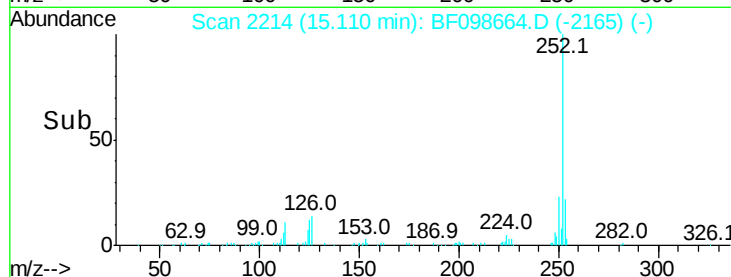
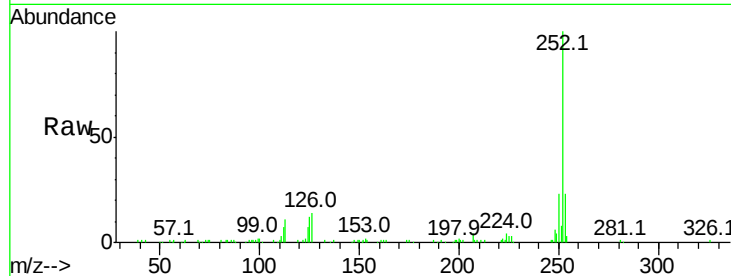
#89
Benzo(a)pyrene
Concen: 7.476 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Instrument :
BNA_F
ClientSampled :
CSTP-4

Tot Ion:	252	Resp:	93751
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.5	26.3
125	11.9	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.628 ng m
RT: 16.90 min Scan# 2518
Delta R.T. -0.01 min
Lab File: BF098664.D
Acq: 20 Sep 2017 17:08

Tgt Ion:	276	Resp:	33288
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	23.9	25.4	38.0#

