

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099704.D
 Acq On : 20 Oct 2017 16:47
 Operator : SJ/JU
 Sample : I5929-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-2-COMP

Manual Integrations
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Quant Time: Oct 22 00:15:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	102848	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	414456	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	170869	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	239128	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	190973	20.00	ng	0.00
86) Perylene-d12	15.44	264	196793	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	738436	114.30	ng	0.00
7) Phenol-d6	6.46	99	897985	112.67	ng	0.00
23) Nitrobenzene-d5	7.38	82	519716	80.42	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	149885	107.20	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	908815	88.79	ng	0.00
78) Terphenyl-d14	12.92	244	565913	67.39	ng	0.00
Target Compounds						
10) Phenol	6.47	94	40780	4.575	ng	93
51) Acenaphthene	9.88	154	22362	2.091	ng	98
57) Fluorene	10.39	166	47433	4.145	ng	97
70) Phenanthrene	11.36	178	180360	14.091	ng	98
71) Anthracene	11.41	178	41021	3.132	ng	97
74) Fluoranthene	12.55	202	345437	26.651	ng	98
77) Pyrene	12.78	202	258798	17.772	ng	99
80) Benzo(a)anthracene	13.97	228	71671	6.198	ng	99
82) Chrysene	14.00	228	56794	5.159	ng	95
87) Benzo(b)fluoranthene	15.02	252	48303m	3.992	ng	
89) Benzo(a)pyrene	15.38	252	24354	2.193	ng	# 89

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

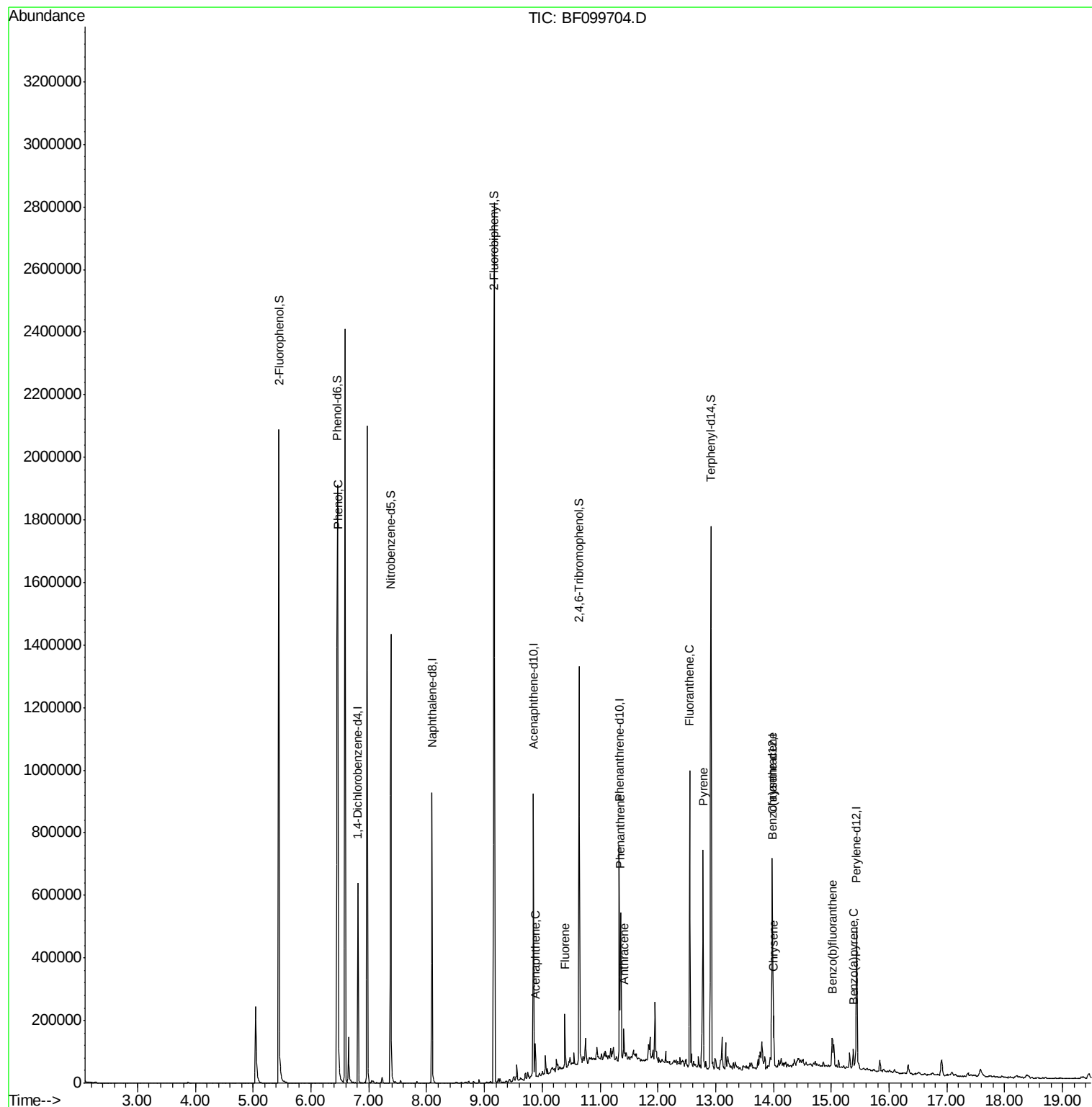
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
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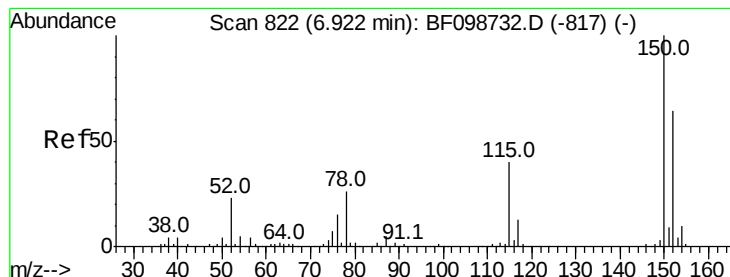
Instrument :
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TP-1-2-COMP

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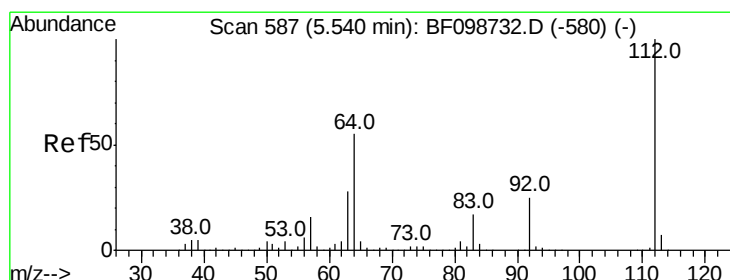
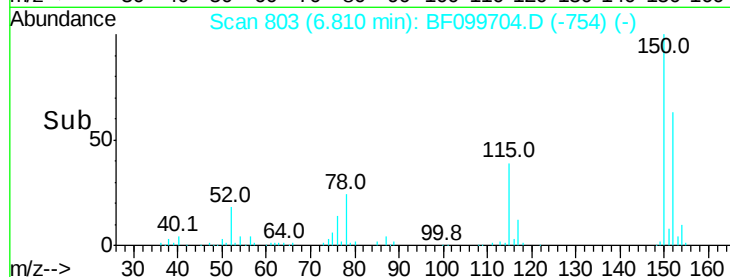
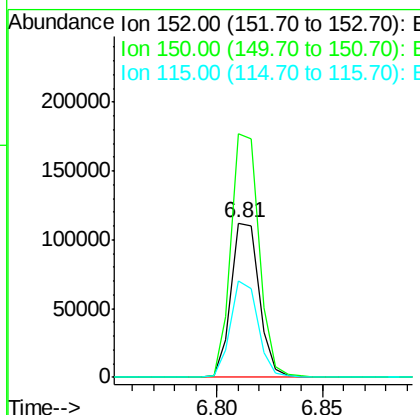
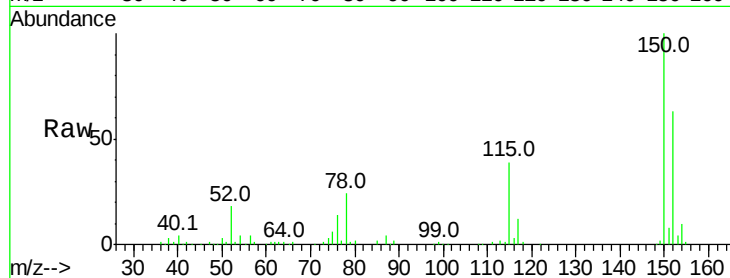
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF099704.D
 Acq: 20 Oct 2017 16:47

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-2-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	62.3	50.1	75.1

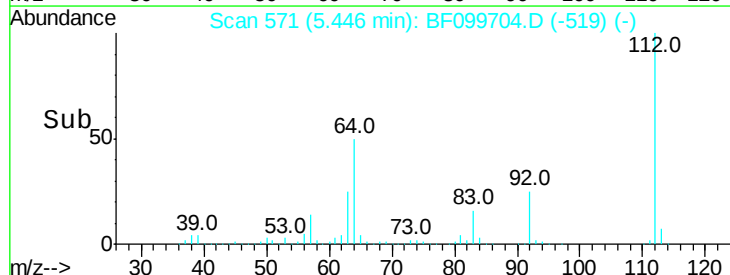
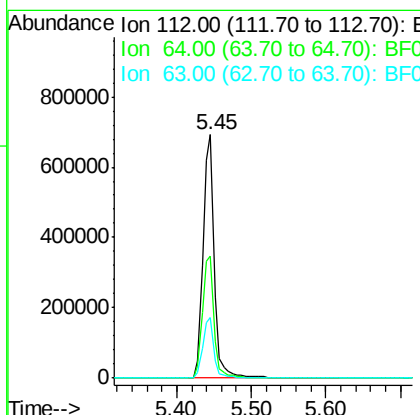
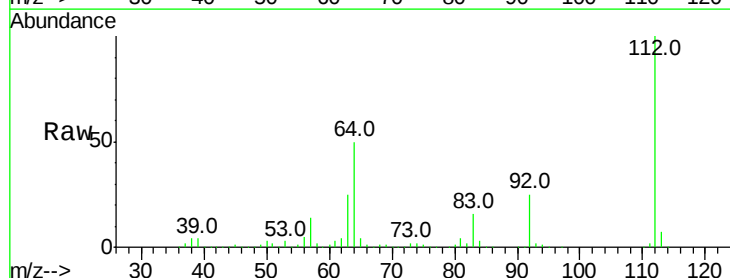
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#5
 2-Fluorophenol
 Concen: 114.297 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF099704.D
 Acq: 20 Oct 2017 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.2	47.9	71.9
63	24.6	23.7	35.5





#7

Phenol-d6

Concen: 112.671 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF099704.D

Acq: 20 Oct 2017 16:47

Instrument :

BNA_F

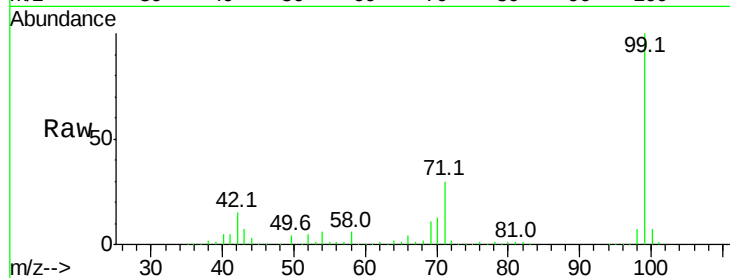
ClientSampleId :

TP-1-2-COMP

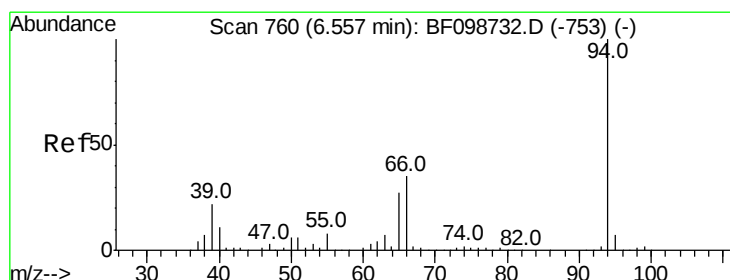
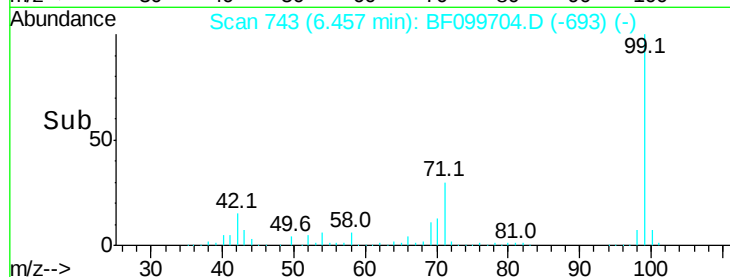
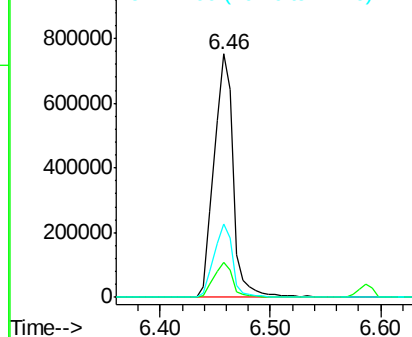
Tot Ion:	99	Resp:	897985
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.5	21.7
71	30.0	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.575 ng

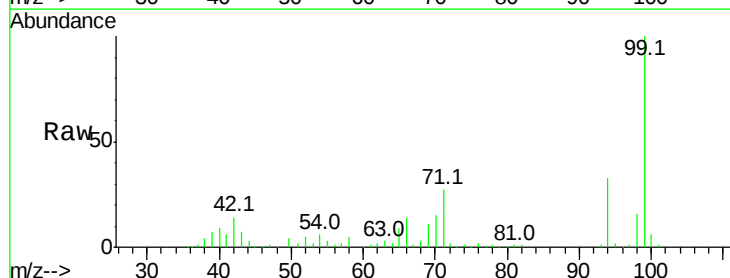
RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

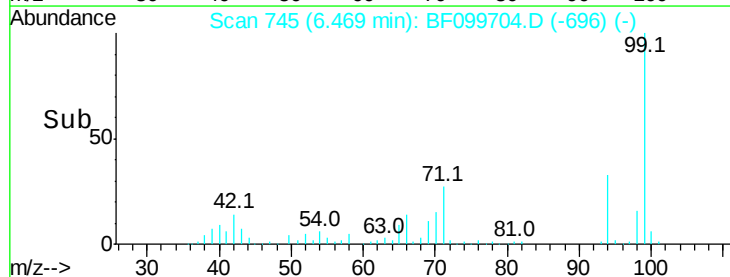
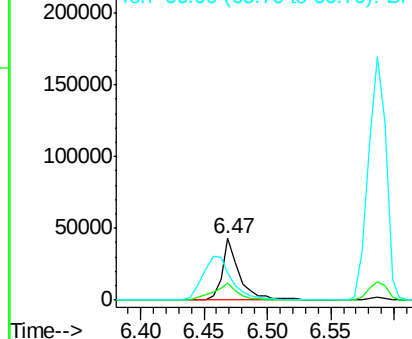
Lab File: BF099704.D

Acq: 20 Oct 2017 16:47

Tgt Ion:	94	Resp:	40780
Ion Ratio	Lower	Upper	
94	100		
65	27.9	7.9	47.9
66	43.6	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





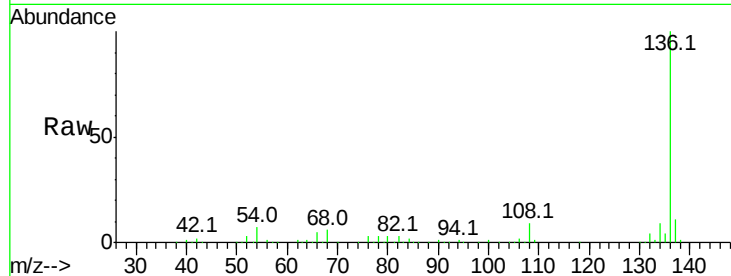
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

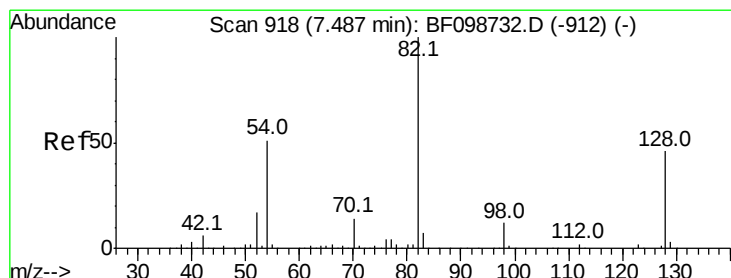
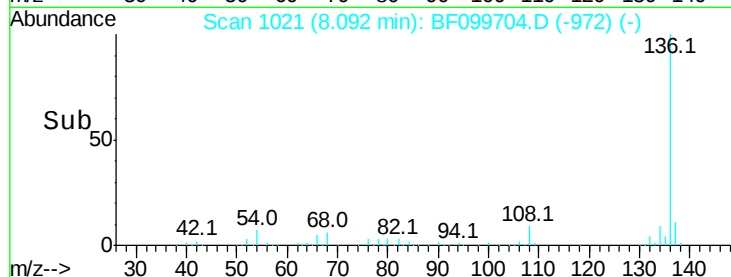
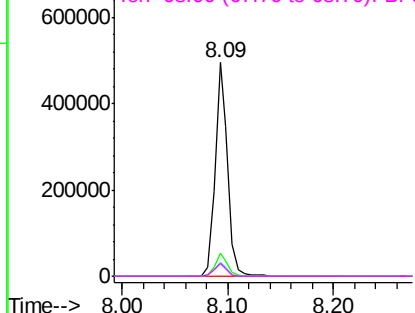
Tot Ion:	136	Resp:	414456
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	5.8	5.0	7.4

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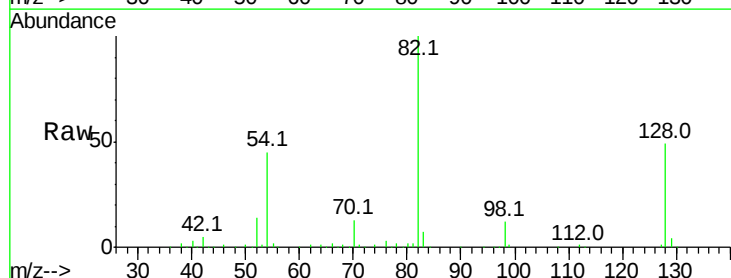


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

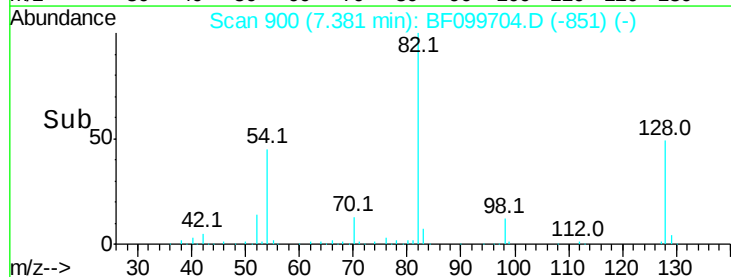
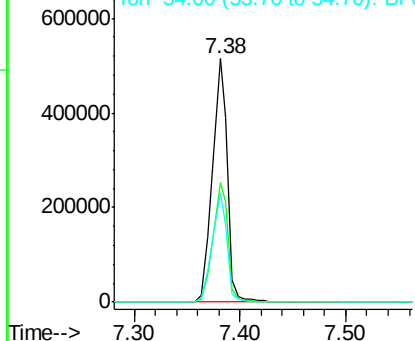


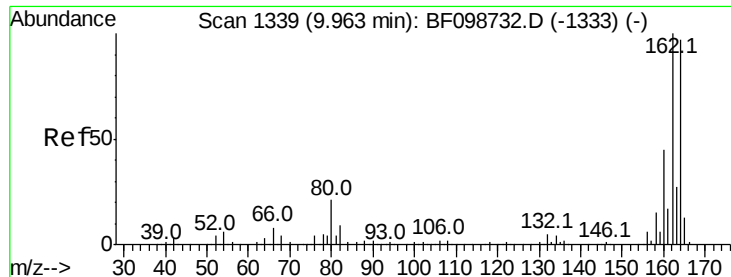
#23
Nitrobenzene-d5
Concen: 80.417 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Tgt Ion:	82	Resp:	519716
Ion Ratio	Lower	Upper	
82	100		
128	48.8	36.1	54.1
54	45.1	41.4	62.2



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





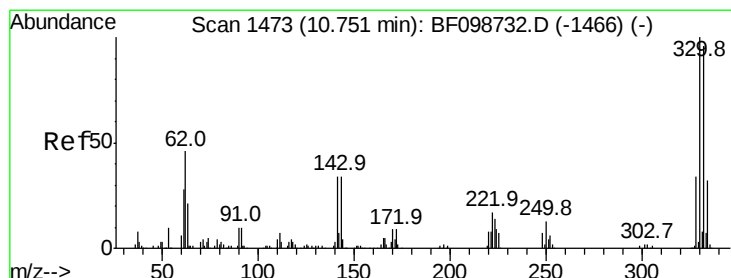
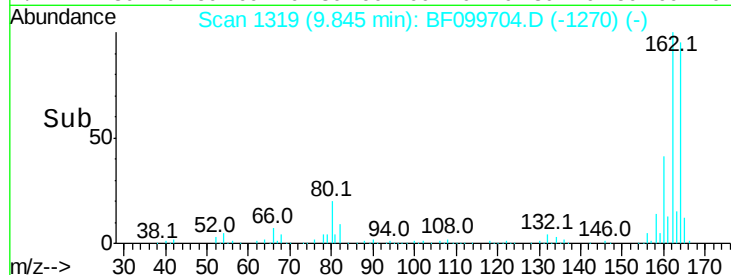
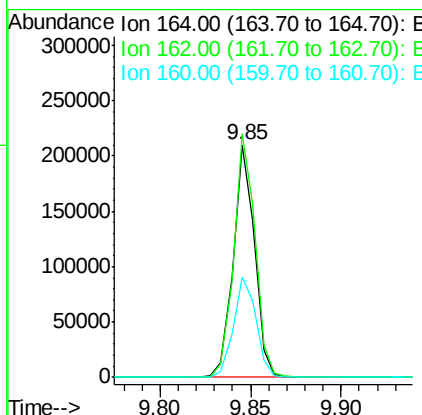
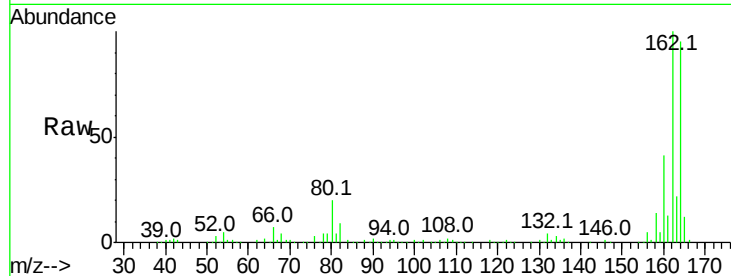
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.9	86.1	129.1	
160	43.2	38.3	57.5	

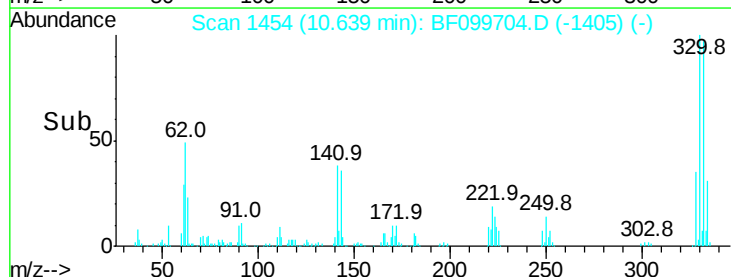
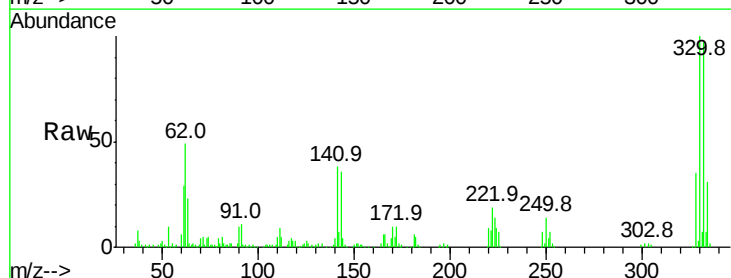
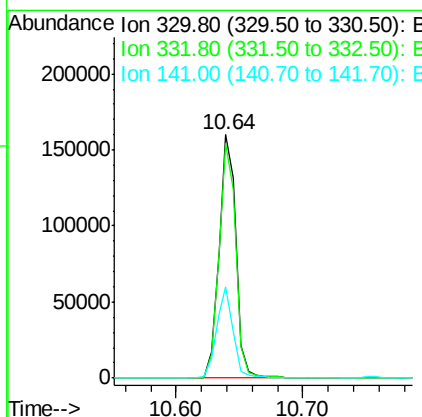
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#41
2,4,6-Tribromophenol
Concen: 107.201 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.0	115.6	
141	37.1	29.9	44.9	





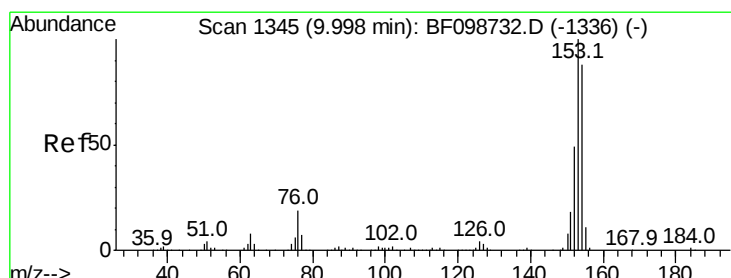
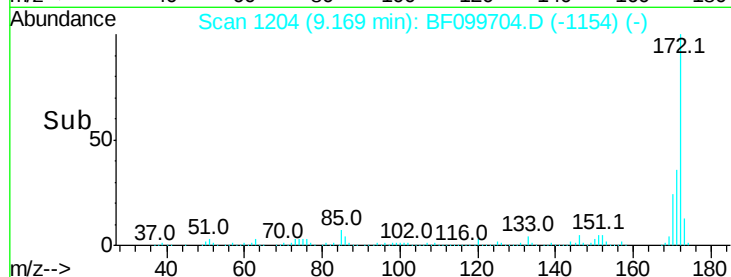
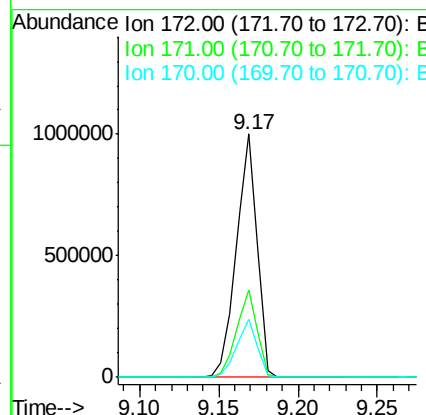
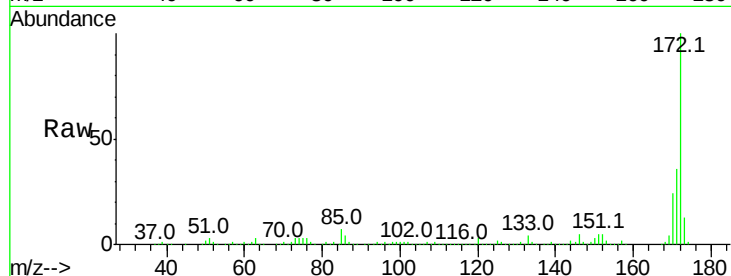
#44
2-Fluorobiphenyl
Concen: 88.793 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Instrument :
BNA_F
ClientSampled :
TP-1-2-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	908815		
171	36.0		29.7	44.5
170	24.0		19.6	29.4

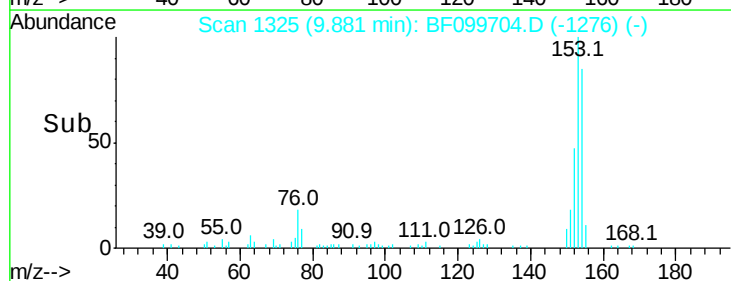
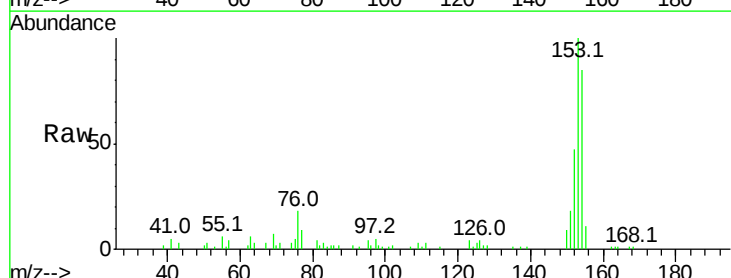
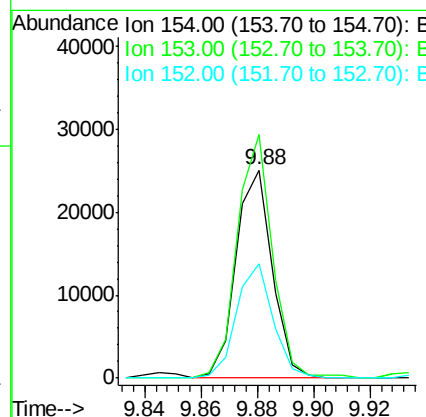
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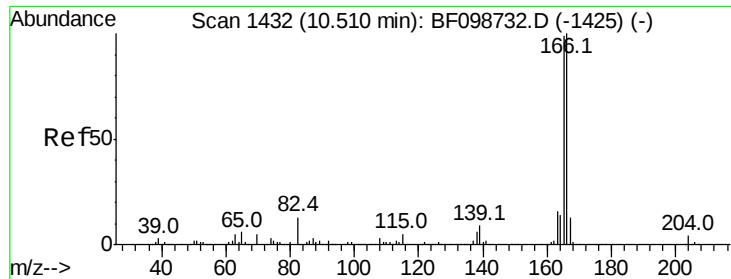
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#51
Acenaphthene
Concen: 2.091 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	22362		
153	117.1		91.2	136.8
152	54.7		43.8	65.8





#57

Fluorene

Concen: 4.145 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF099704.D

Acq: 20 Oct 2017 16:47

Instrument :

BNA_F

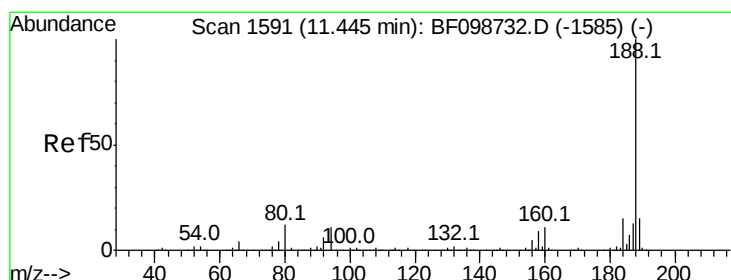
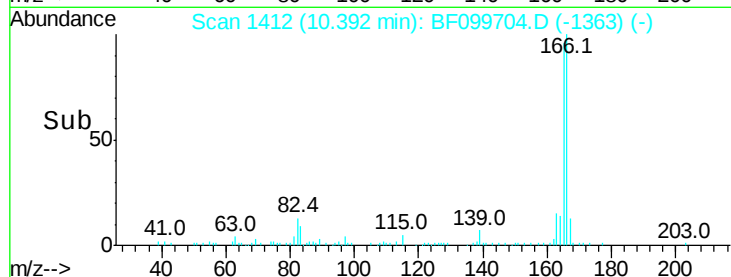
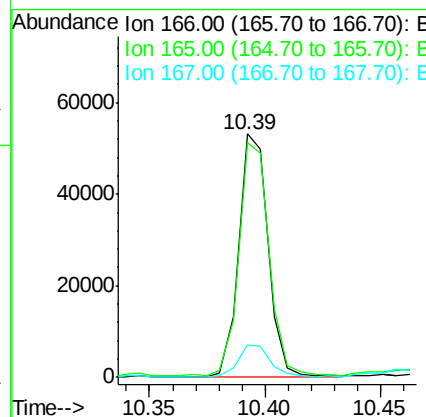
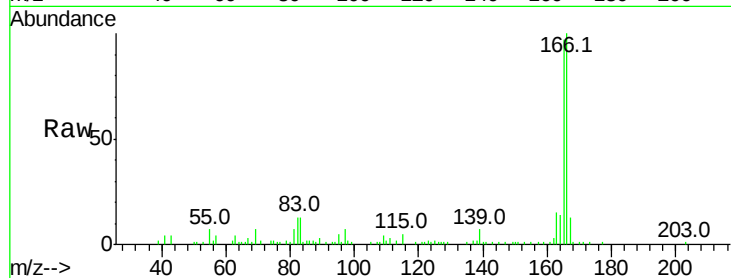
ClientSampleId :

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Tot Ion:	166	Resp:	47433
Ion Ratio	Lower	Upper	
166	100		
165	96.6	79.8	119.8
167	13.2	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

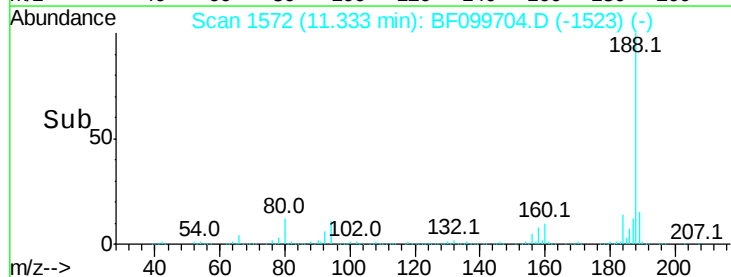
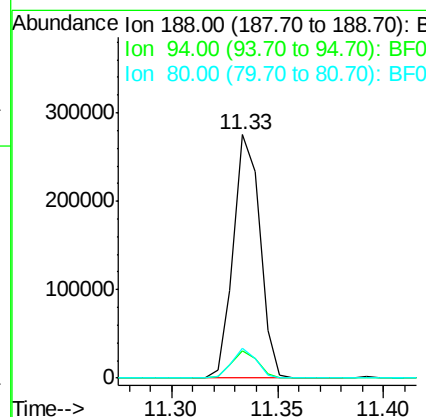
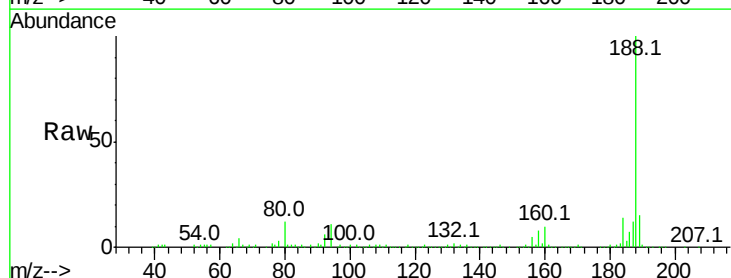
RT: 11.33 min Scan# 1572

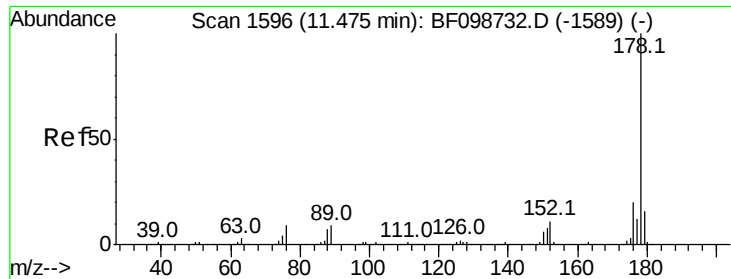
Delta R.T. -0.01 min

Lab File: BF099704.D

Acq: 20 Oct 2017 16:47

Tgt Ion:	188	Resp:	239128
Ion Ratio	Lower	Upper	
188	100		
94	11.1	8.5	12.7
80	12.2	9.2	13.8





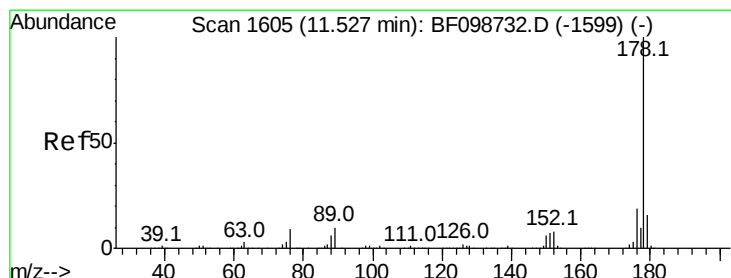
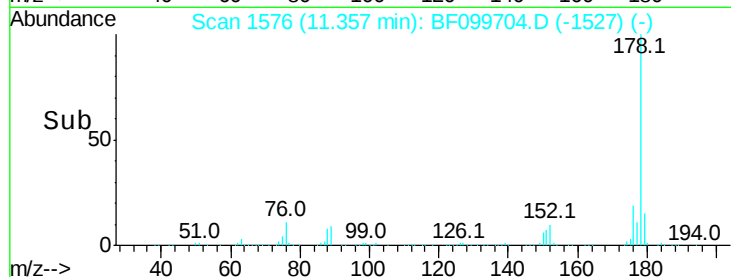
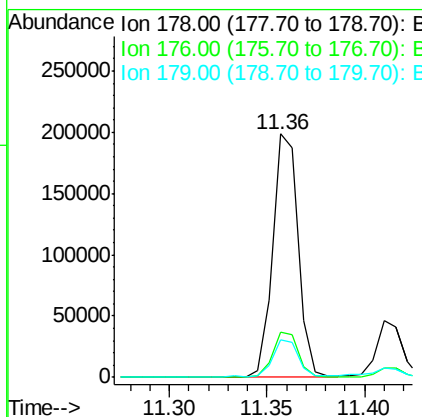
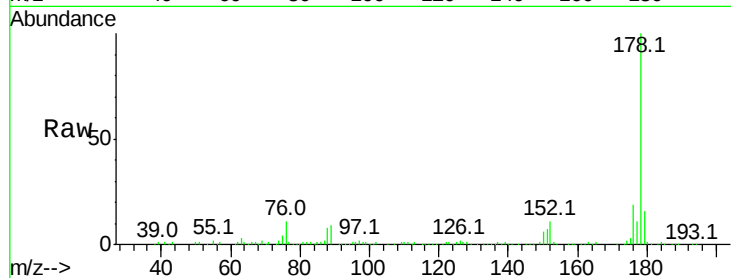
#70
Phenanthrene
Concen: 14.091 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.5	13.0	19.6

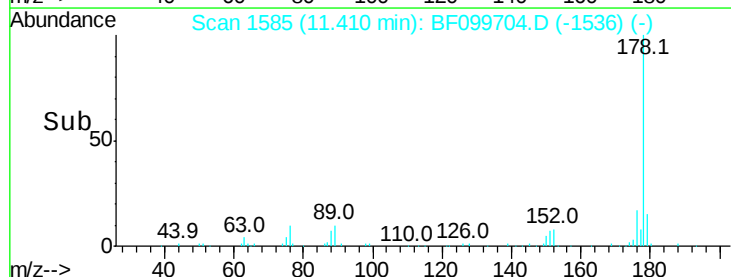
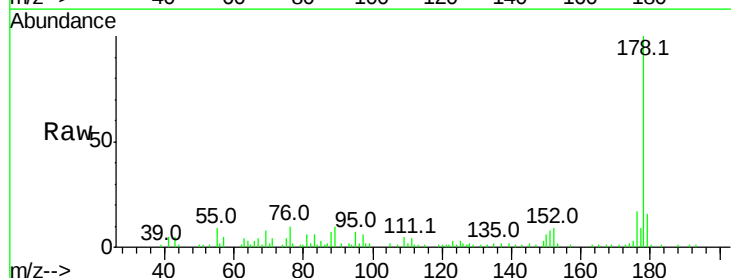
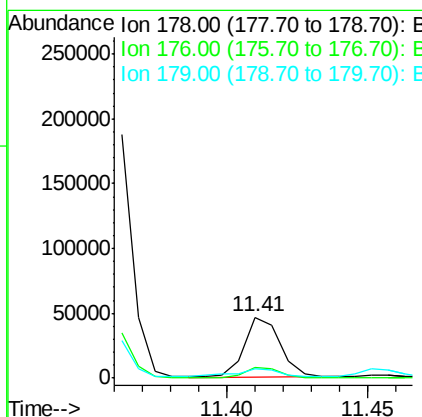
Manual Integrations
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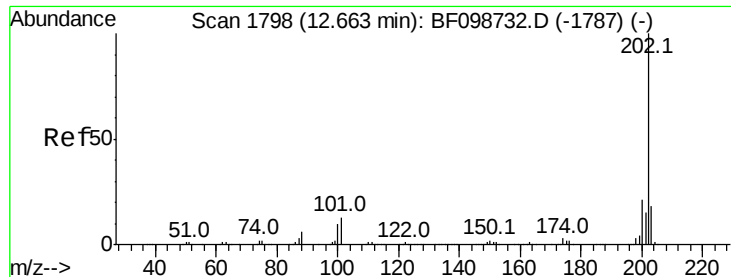
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#71
Anthracene
Concen: 3.132 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.4	23.2
179	16.0	12.6	19.0





#74

Fluoranthene

Concen: 26.651 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

Lab File: BF099704.D

Acq: 20 Oct 2017 16:47

Instrument :

BNA_F

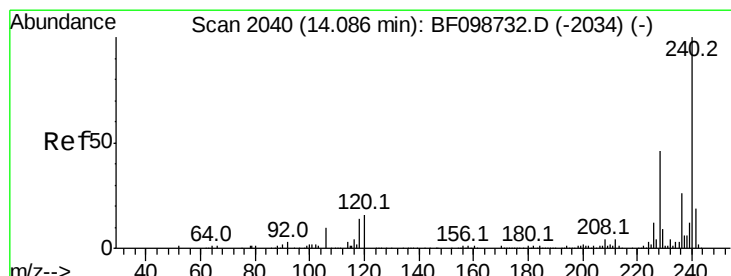
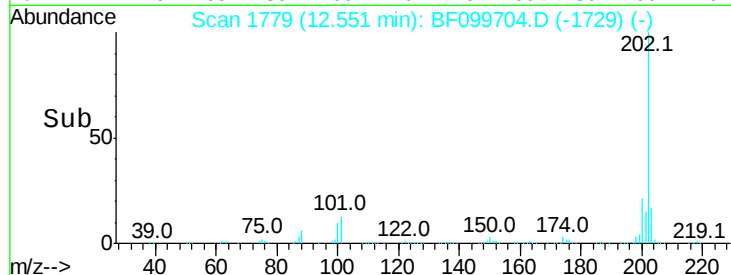
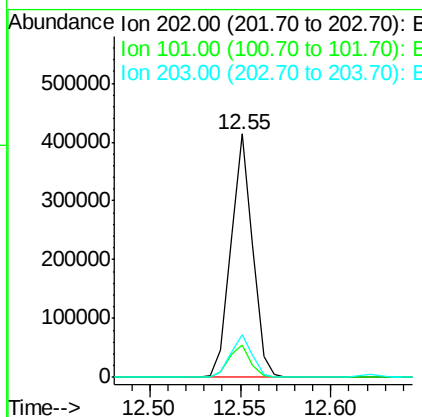
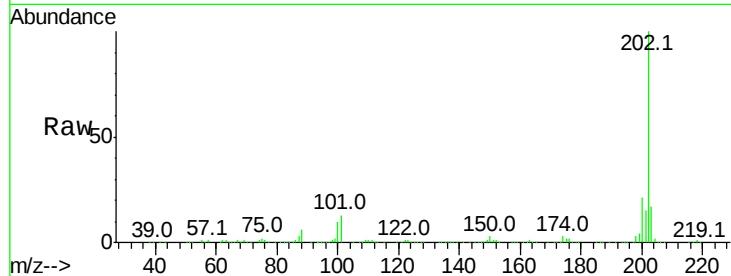
ClientSampled :

TP-1-2-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	345437		
101	13.4	0.0	34.1	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

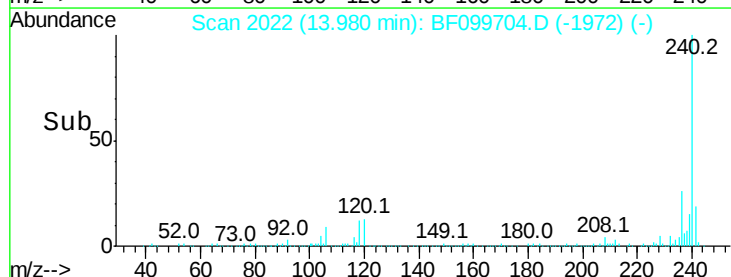
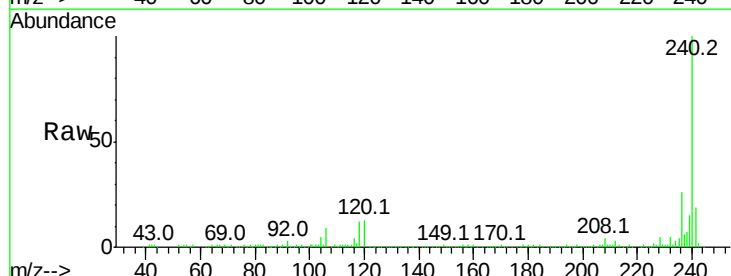
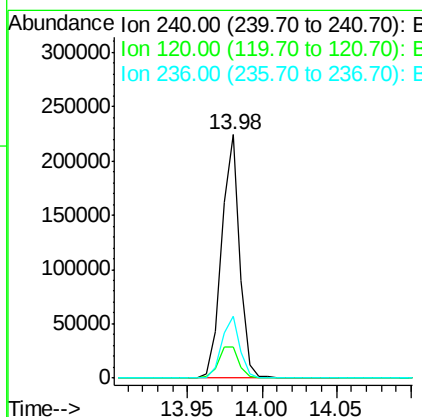
RT: 13.98 min Scan# 2022

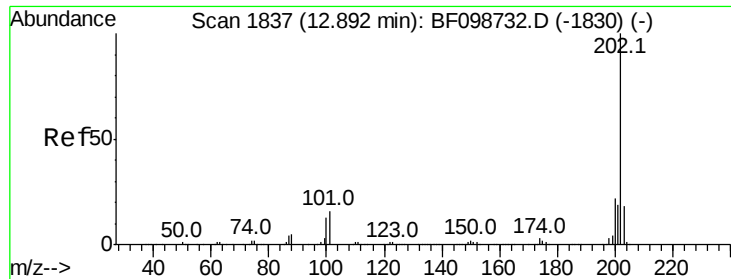
Delta R.T. -0.01 min

Lab File: BF099704.D

Acq: 20 Oct 2017 16:47

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	190973		
120	13.0	9.5	14.3	
236	25.6	20.7	31.1	





#77

Pvrene

Concen: 17.772 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF099704.D

Acq: 20 Oct 2017 16:47

Instrument :

BNA_F

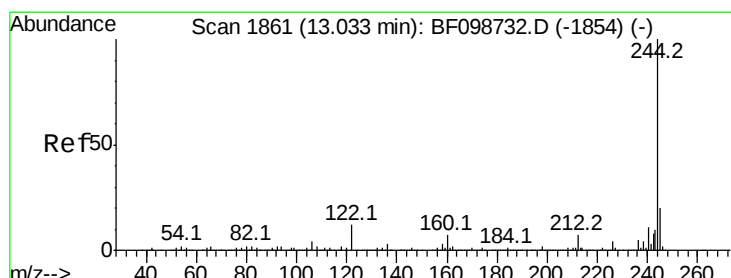
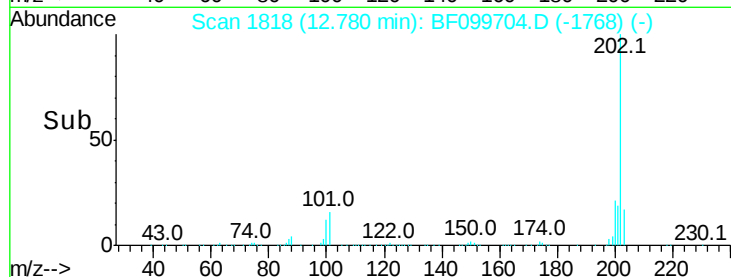
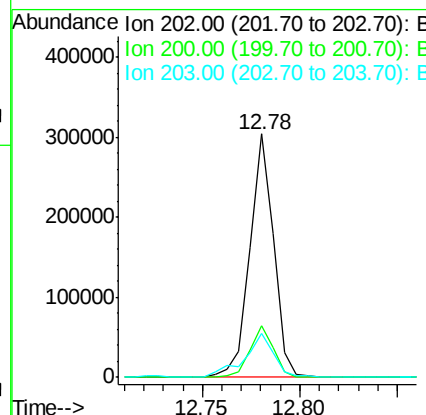
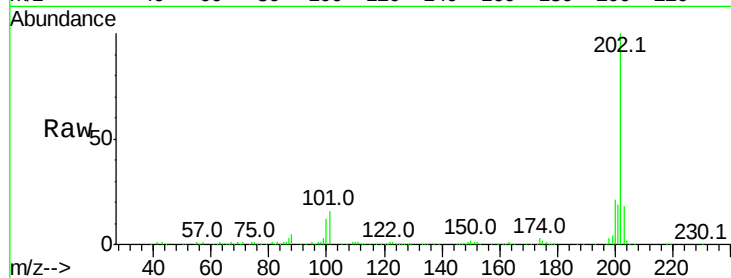
ClientSampleId :

TP-1-2-COMP

Tot Ion:	202	Resp:	258798
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.8	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 67.392 ng

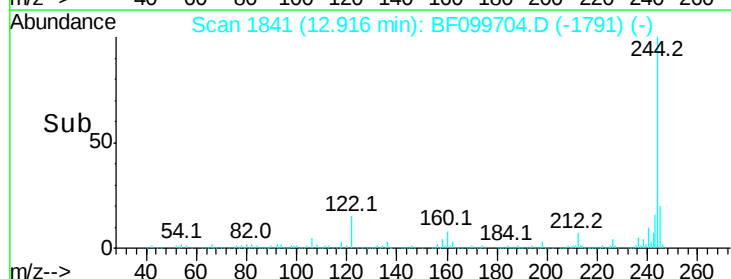
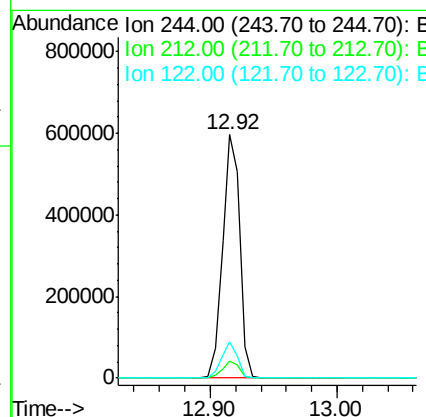
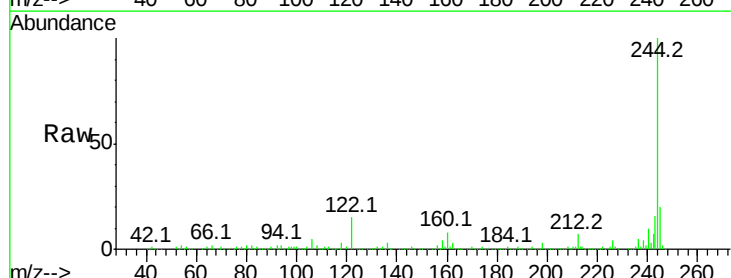
RT: 12.92 min Scan# 1841

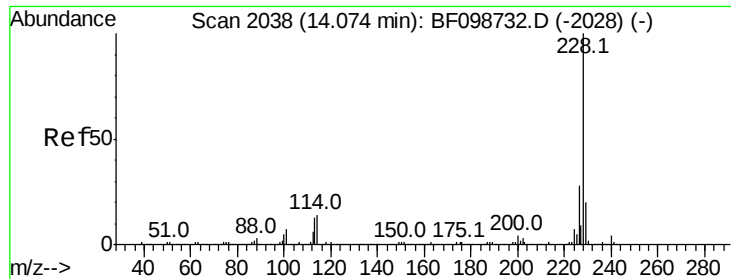
Delta R.T. -0.01 min

Lab File: BF099704.D

Acq: 20 Oct 2017 16:47

Tgt Ion:	244	Resp:	565913
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	14.6	11.0	16.4





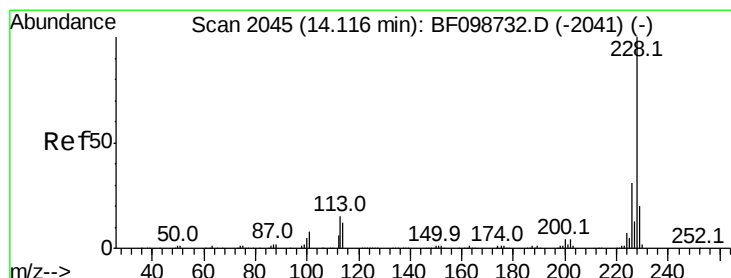
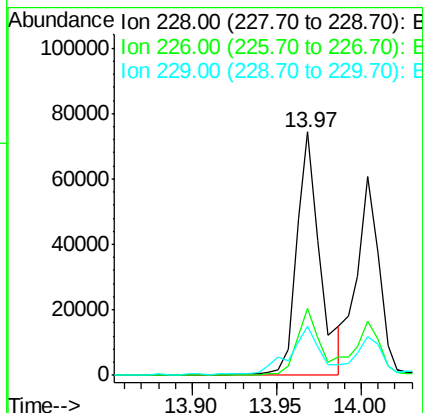
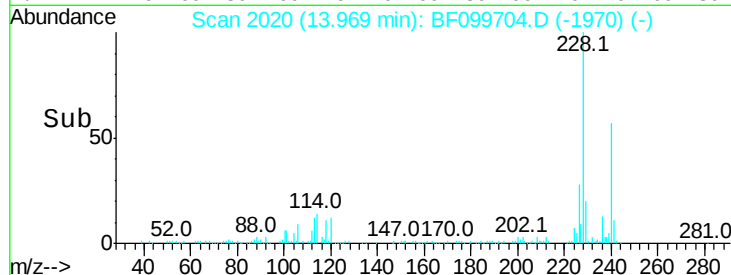
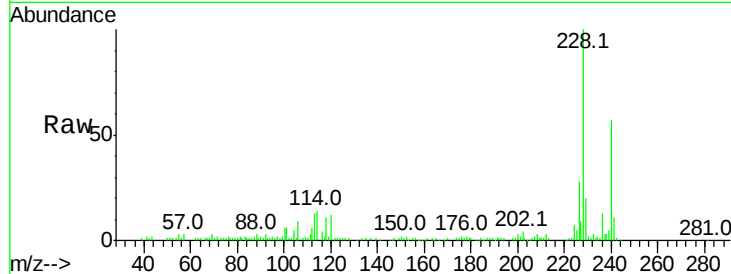
#80
Benzo(a)anthracene
Concen: 6.198 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.4	15.8	23.6

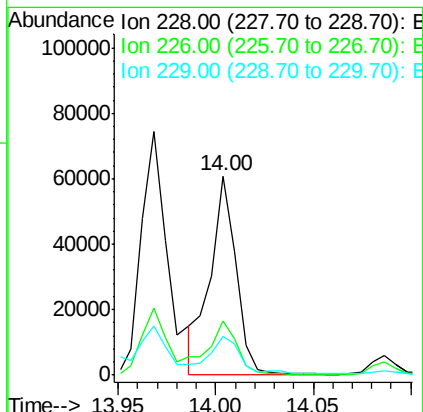
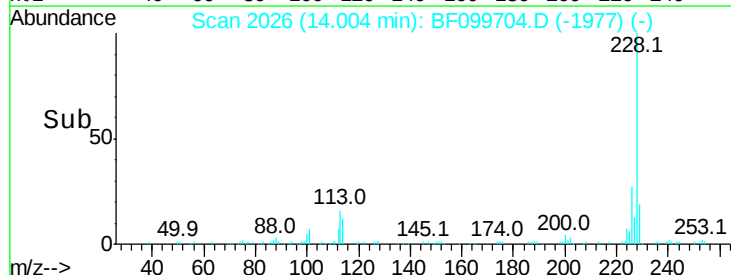
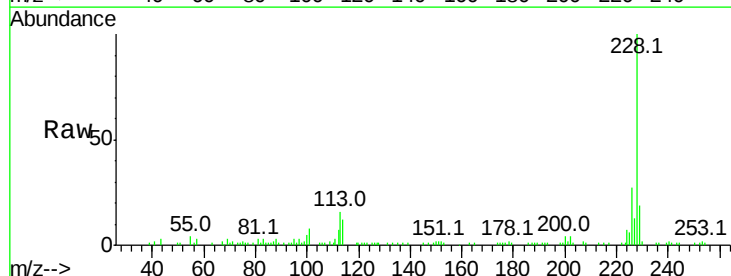
Manual Integrations
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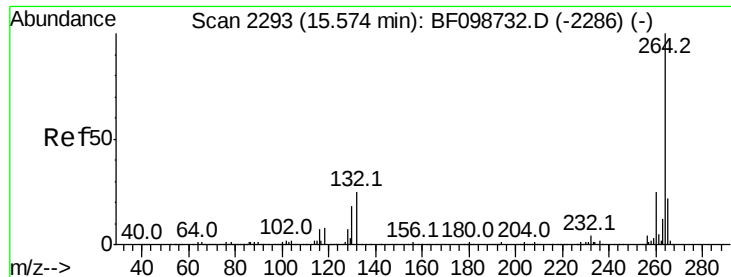
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#82
Chrysene
Concen: 5.159 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	25.0	37.6
229	19.4	16.2	24.4





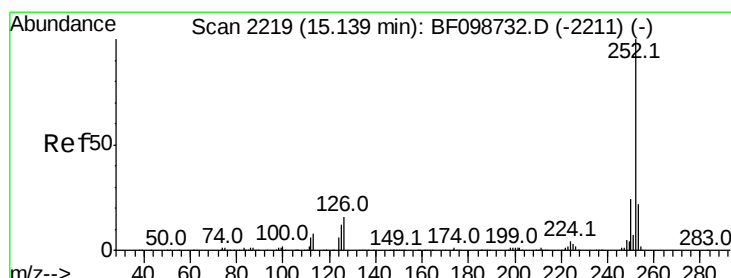
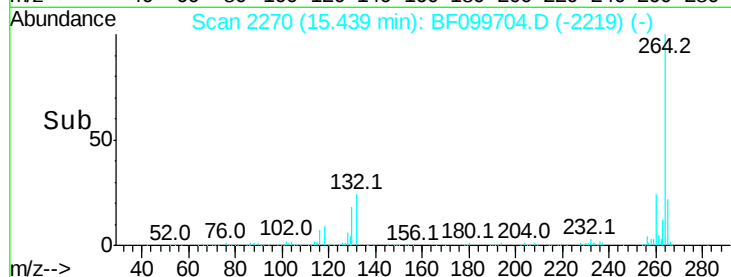
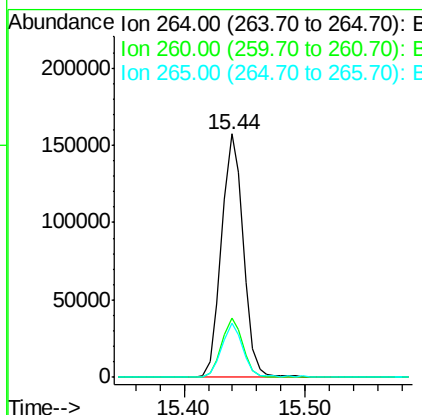
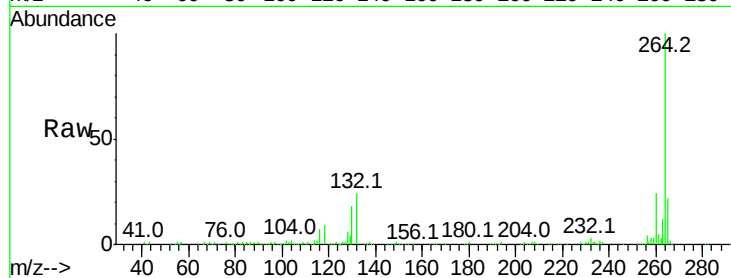
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Instrument :
BNA_F
ClientSampleId :
TP-1-2-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.0	17.5	26.3

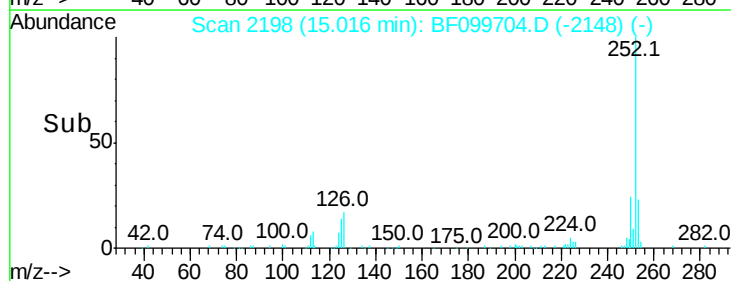
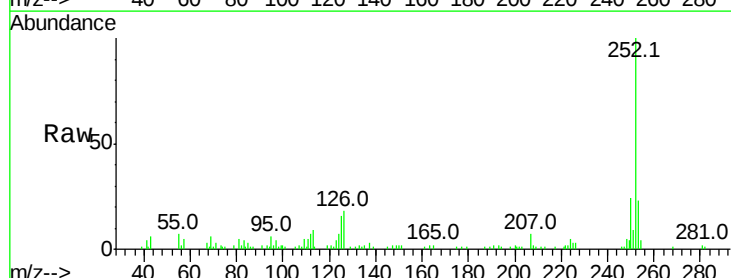
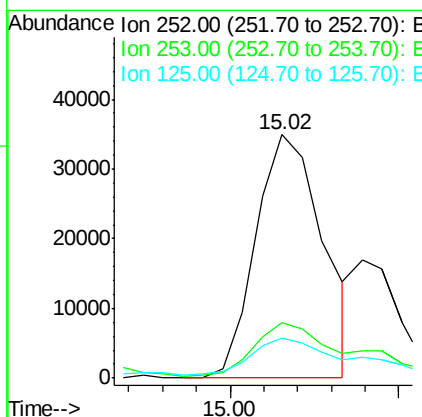
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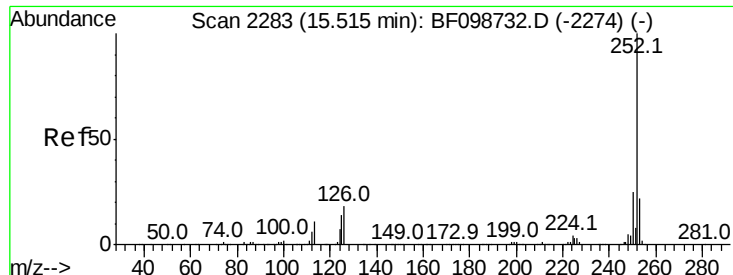
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#87
Benzo(b)fluoranthene
Concen: 3.992 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF099704.D
Acq: 20 Oct 2017 16:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	16.3	9.0	13.6#





#89
 Benzo(a)pyrene
 Concen: 2.193 ng
 RT: 15.38 min Scan# 2260
 Delta R.T. -0.01 min
 Lab File: BF099704.D
 Acq: 20 Oct 2017 16:47

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-2-COMP

Tot Ion:	252	Resp:	24354
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.1	25.7
125	19.6	9.8	14.6

Manual Integrations
 APPROVED

Sohil
 10/23/2017 3:26:17 PM

