

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097174.D
 Acq On : 29 Jul 2017 00:42
 Operator : SJ/JU
 Sample : I4456-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SS-5

Manual Integrations
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 7/31/2017 6:52:23 PM

Quant Time: Jul 29 02:10:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	117931	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	459263	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	163338	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	209436	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	216280	20.00	ng	-0.02
86) Perylene-d12	14.96	264	157225	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	676189	86.44	ng	-0.01
7) Phenol-d6	6.15	99	935795	104.78	ng	-0.02
23) Nitrobenzene-d5	7.06	82	544039	69.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	91968	71.26	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	596794	62.01	ng	-0.02
78) Terphenyl-d14	12.57	244	322362	30.39	ng	-0.02
Target Compounds						
10) Phenol	6.16	94	26090	2.463	ng	96
49) Dimethylphthalate	9.25	163	123538	9.960	ng	97
70) Phenanthrene	11.01	178	74640	6.651	ng	98
74) Fluoranthene	12.19	202	161332	14.675	ng	98
77) Pyrene	12.42	202	135208	7.636	ng	98
80) Benzo(a)anthracene	13.60	228	78324	5.597	ng	100
82) Chrysene	13.64	228	78448	5.741	ng	99
85) Indeno(1,2,3-cd)pyrene	16.18	276	31853	2.718	ng	97
87) Benzo(b)fluoranthene	14.60	252	91627m	9.695	ng	
88) Benzo(k)fluoranthene	14.62	252	32879m	3.651	ng	
89) Benzo(a)pyrene	14.91	252	55902	6.463	ng	100
91) Benzo(a,h,i)perylene	16.54	276	28515	3.833	ng	# 89

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

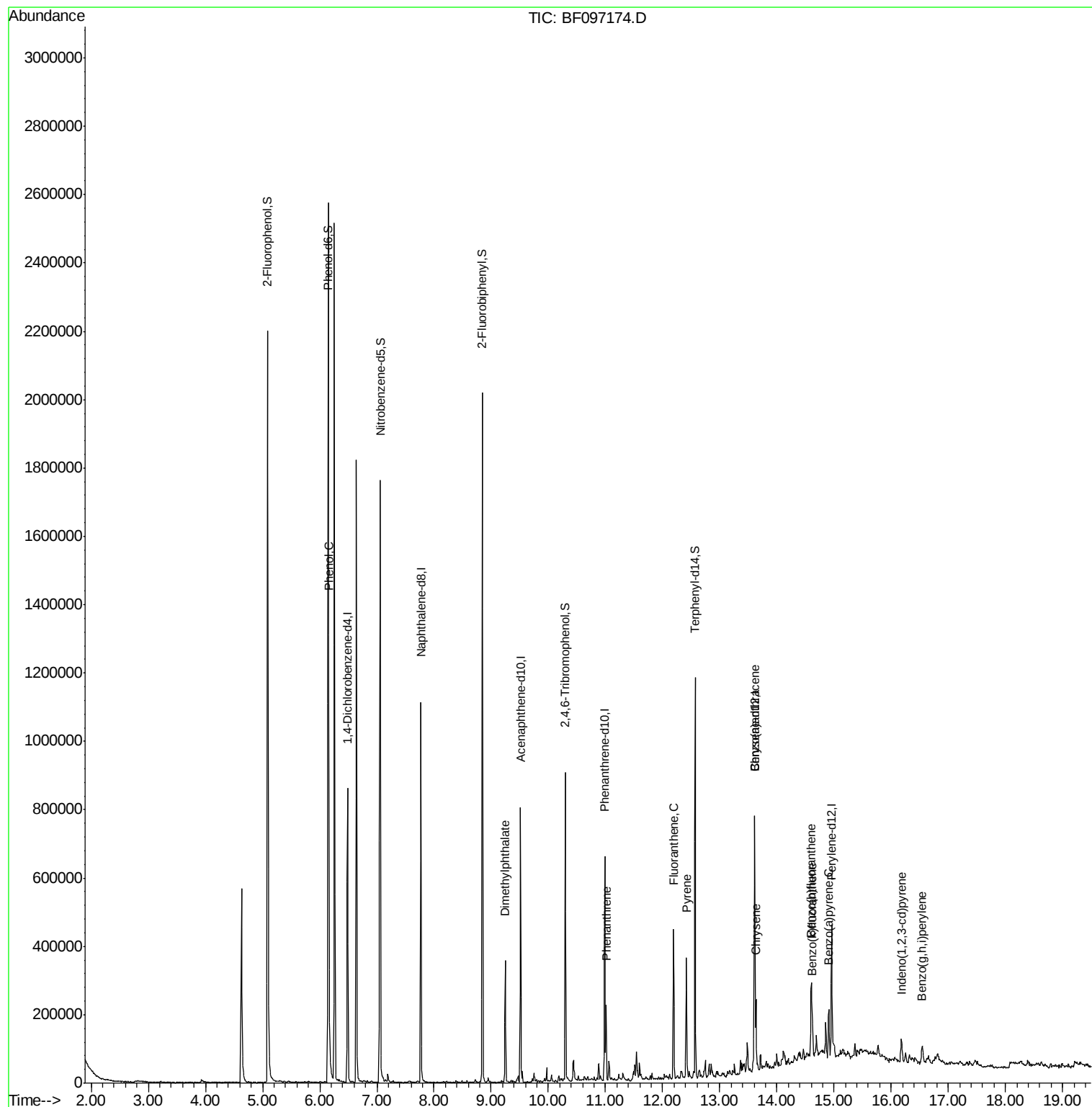
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
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ALS Vial : 18 Sample Multiplier: 1

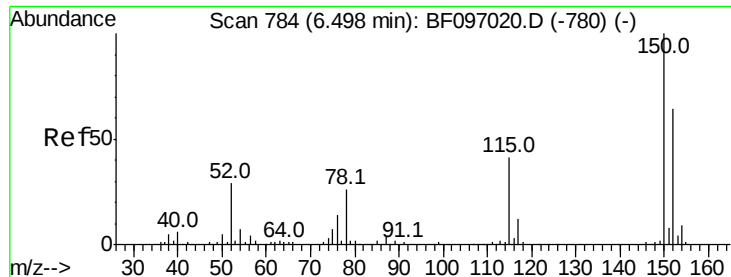
Instrument :
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#1

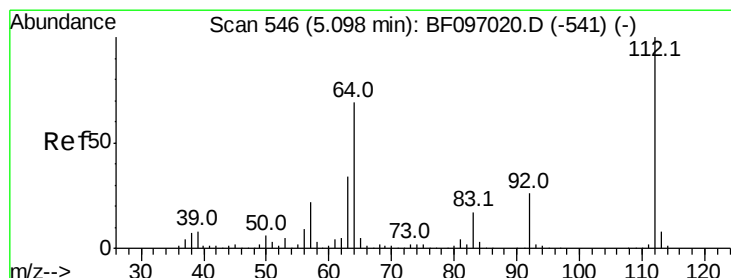
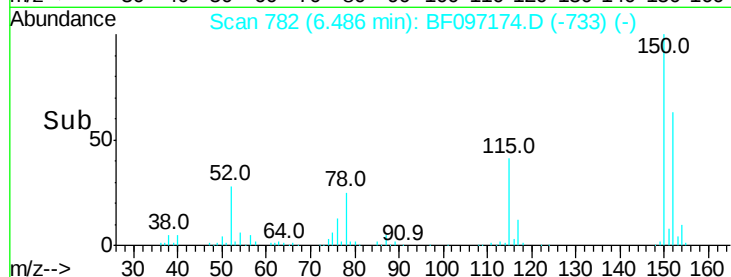
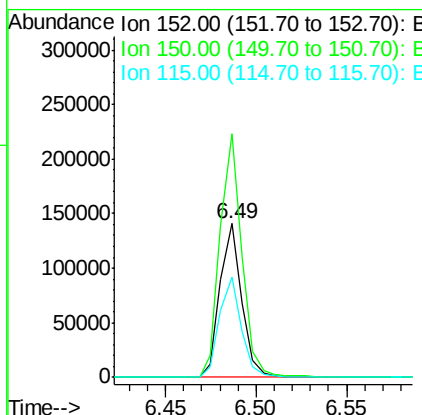
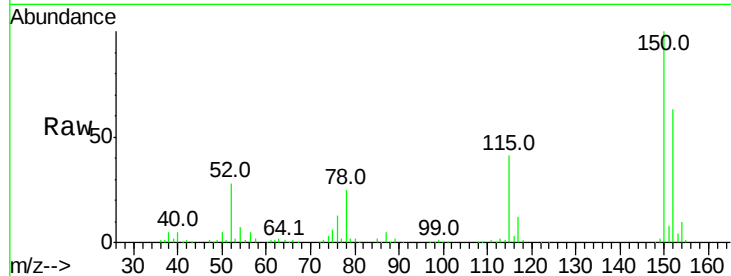
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.49 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SS-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	64.8	52.2	78.2

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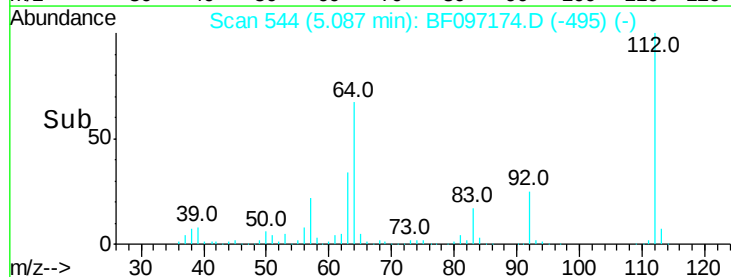
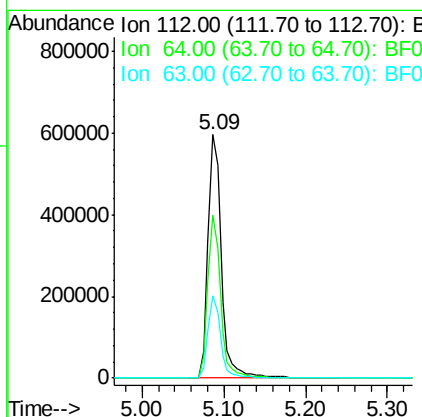
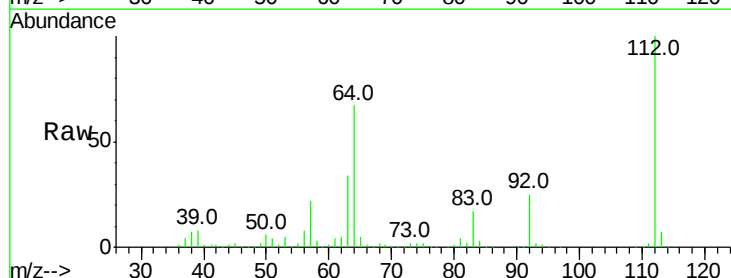
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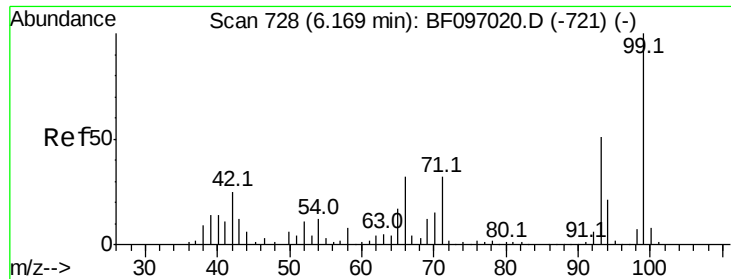


#5

2-Fluorophenol
 Concen: 86.436 ng
 RT: 5.09 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.0	69.0
63	34.0	23.4	35.0





#7

Phenol-d6

Concen: 104.782 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

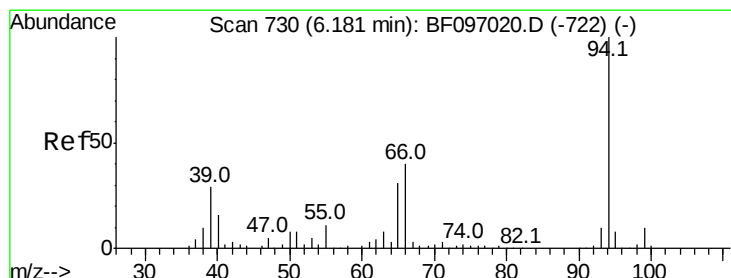
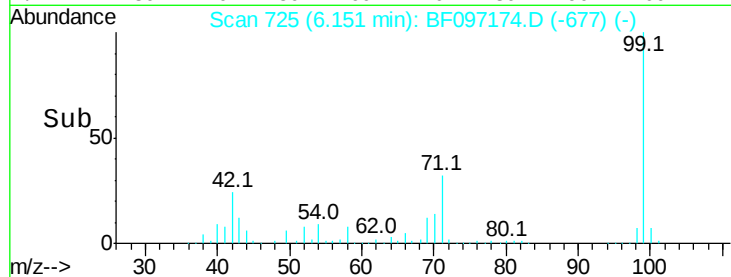
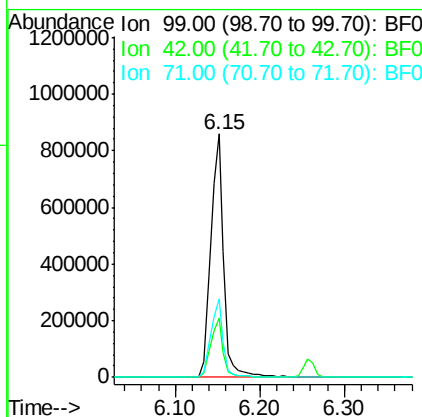
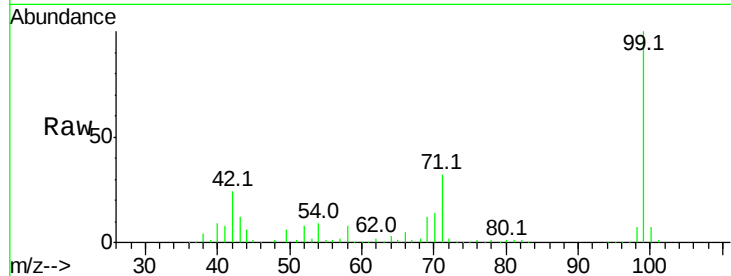
ClientSampleId :

TP-13-SS-5

Tot Ion:	99	Resp:	935795
Ion Ratio	Lower	Upper	
99	100		
42	24.3	13.5	20.3#
71	32.1	24.5	36.7

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#10

Phenol

Concen: 2.463 ng

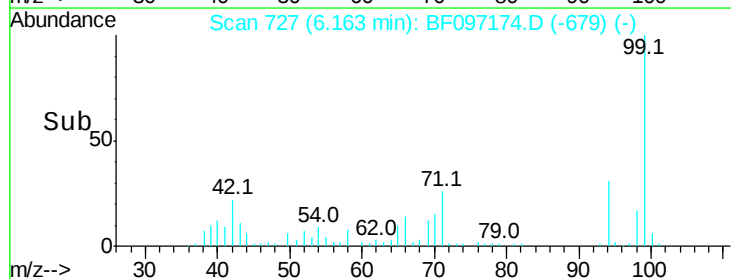
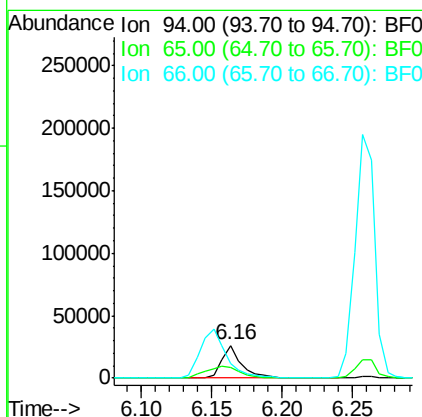
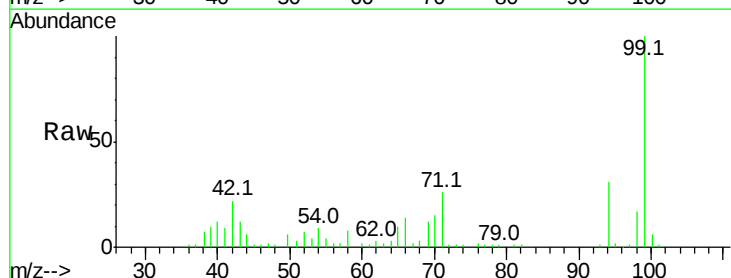
RT: 6.16 min Scan# 727

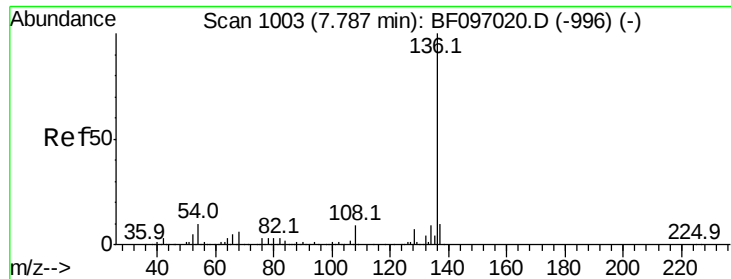
Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Tgt Ion:	94	Resp:	26090
Ion Ratio	Lower	Upper	
94	100		
65	32.9	9.9	49.9
66	45.3	23.1	63.1





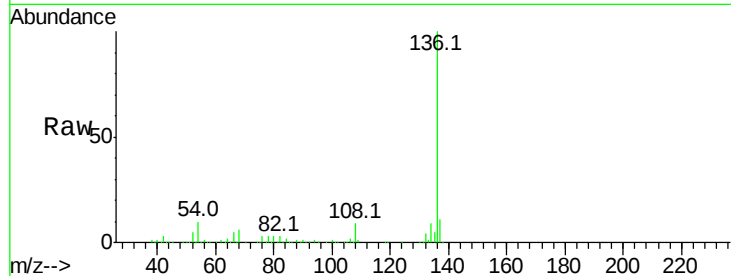
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Instrument :
BNA_F
ClientSampleId :
TP-13-SS-5

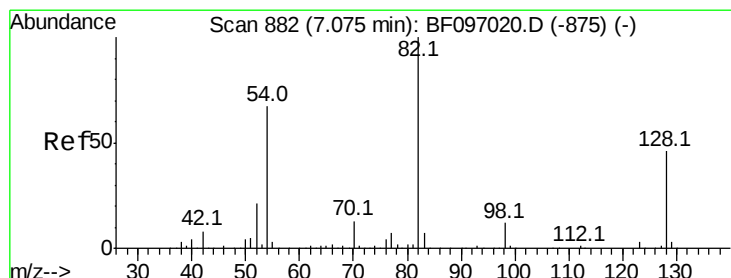
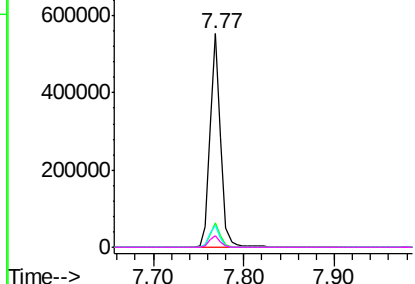
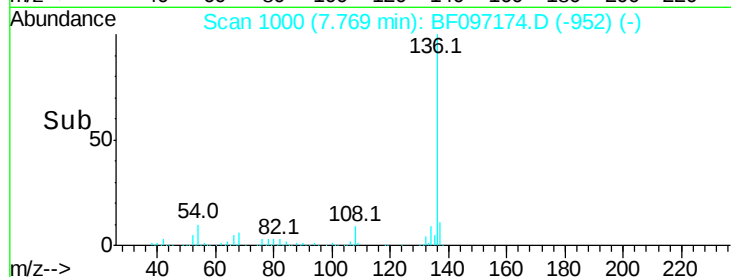
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.5	12.7	
54	10.4	4.9	7.3#	
68	5.5	4.1	6.1	

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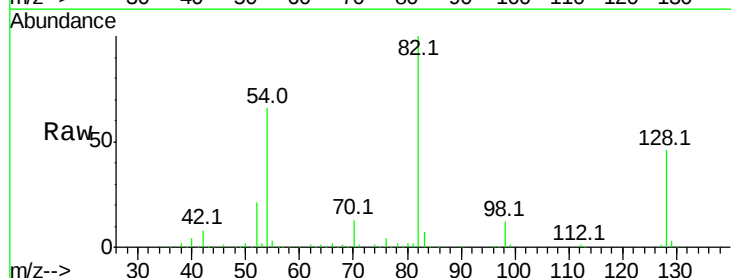


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

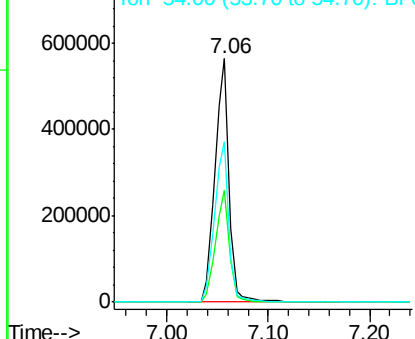
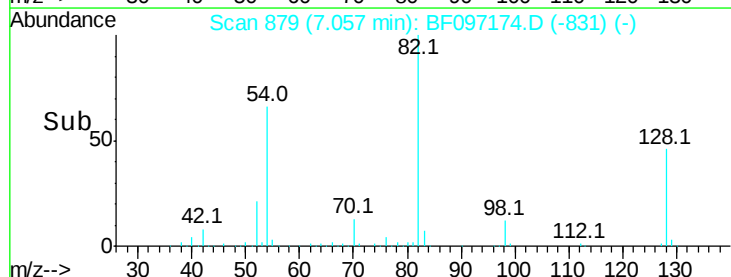


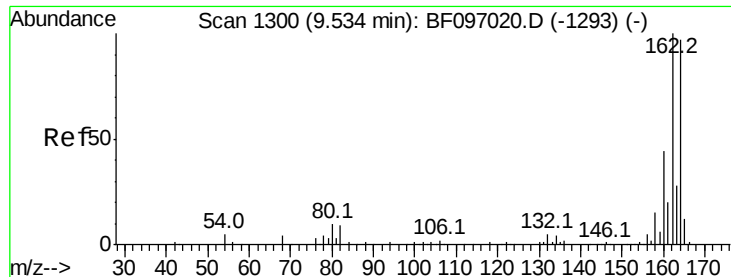
#23
Nitrobenzene-d5
Concen: 69.493 ng
RT: 7.06 min Scan# 879
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	34.0	51.0	
54	66.1	42.2	63.2#	



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





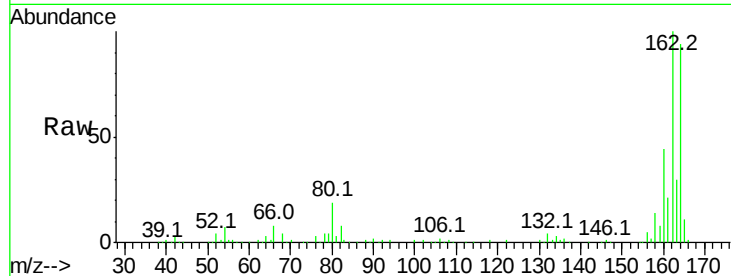
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.52 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Instrument :
BNA_F
ClientSampleId :
TP-13-SS-5

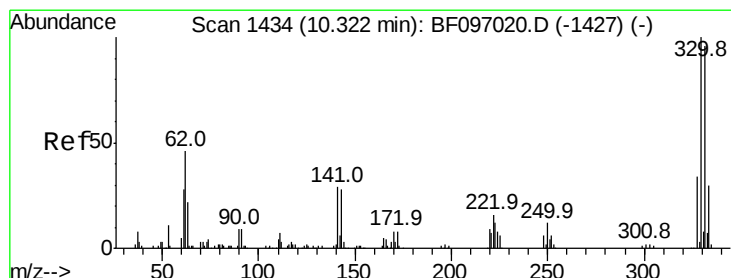
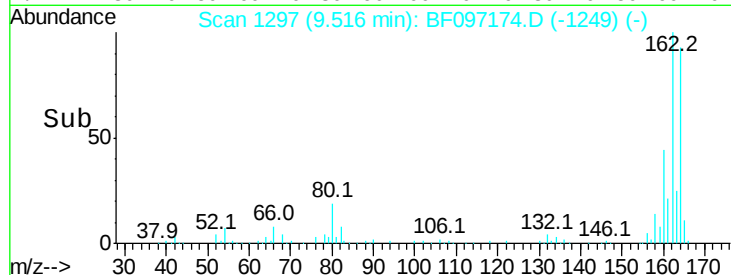
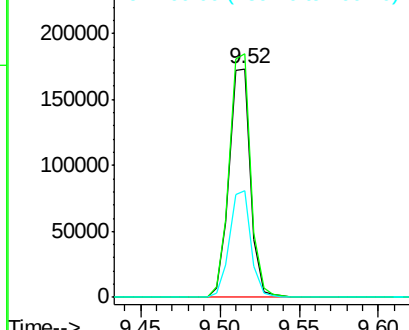
Tot Ion	Ratio	Resp	Lower	Upper
164	100	163338		
162	106.6	82.6	123.8	
160	46.4	36.2	54.2	

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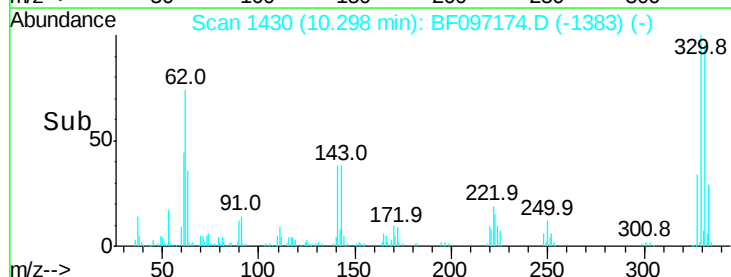
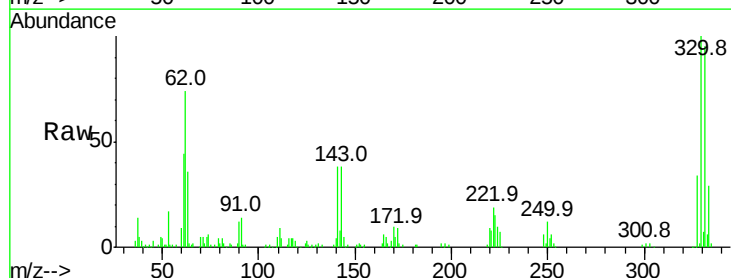
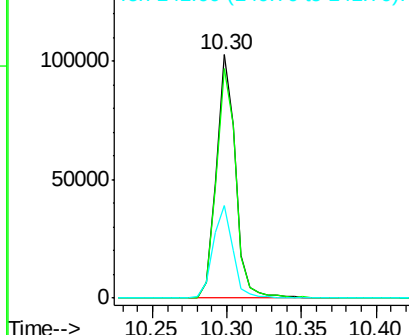
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

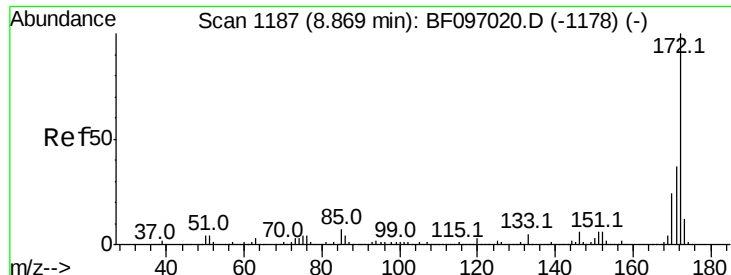


#41
2,4,6-Tribromophenol
Concen: 71.264 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	91968		
332	97.1	76.6	115.0	
141	39.3	31.4	47.2	

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





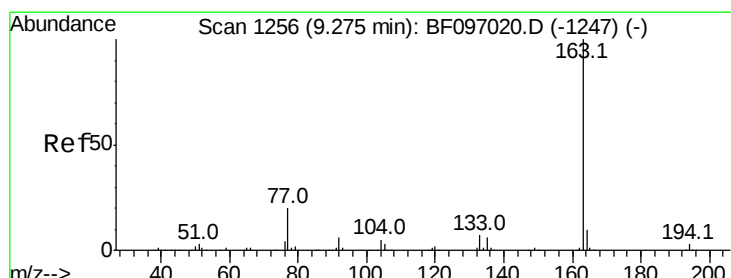
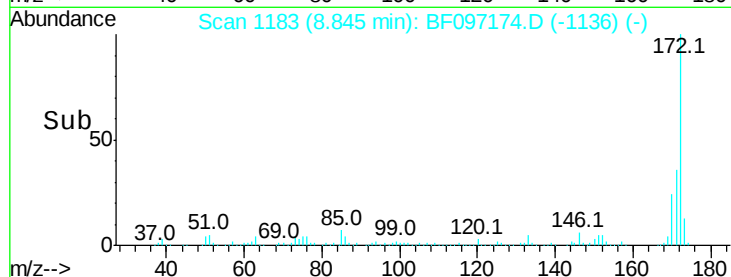
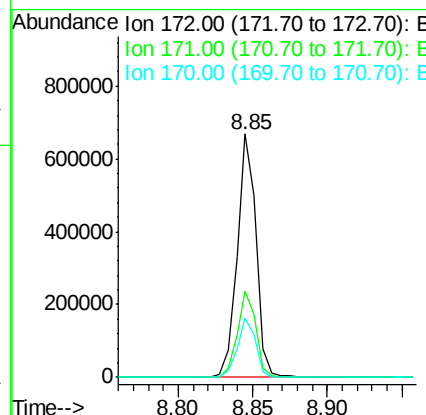
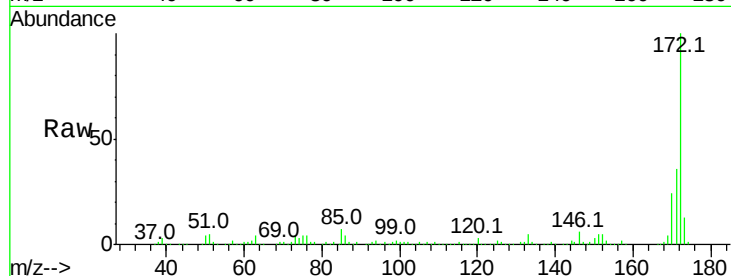
#44
2-Fluorobiphenyl
Concen: 62.007 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Instrument :
BNA_F
ClientSampleId :
TP-13-SS-5

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.2	19.8	29.8

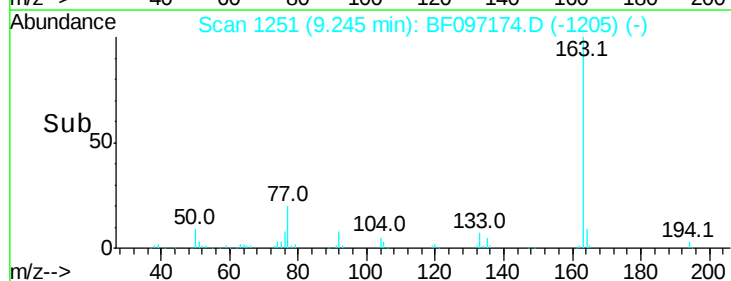
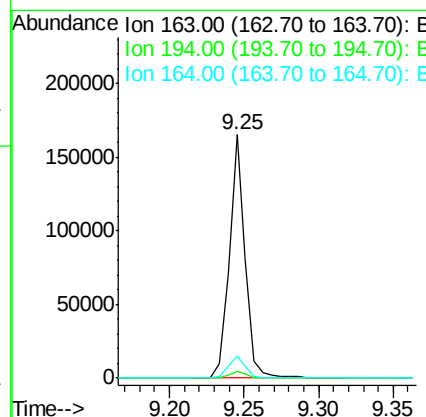
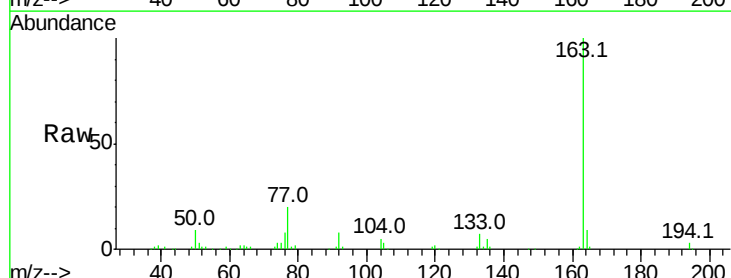
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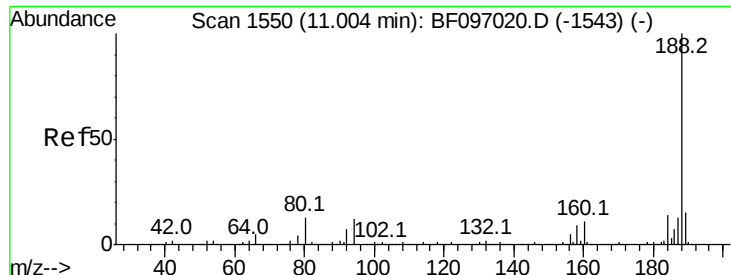
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#49
Dimethylphthalate
Concen: 9.960 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097174.D
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Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.3	8.4	12.6





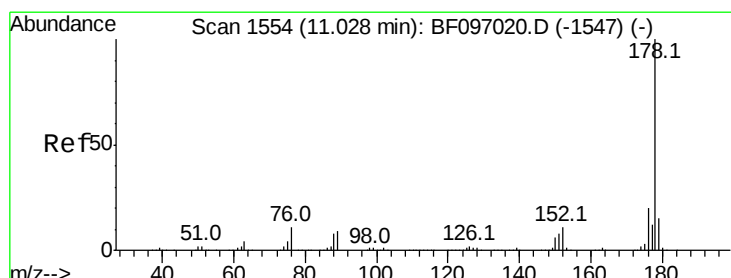
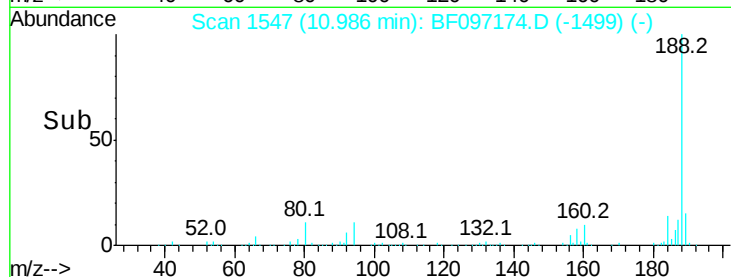
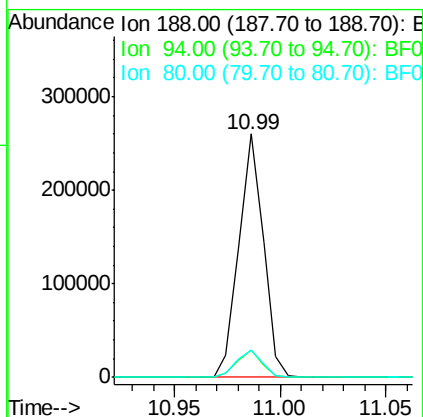
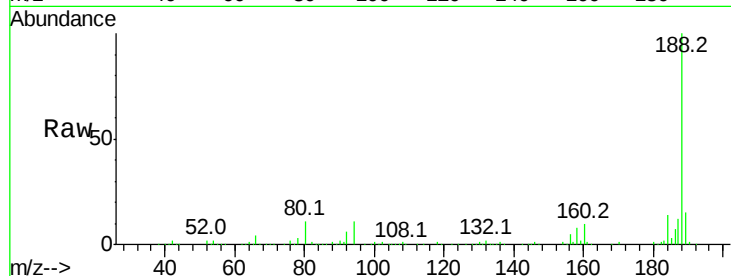
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Instrument :
BNA_F
ClientSampleId :
TP-13-SS-5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	209436		
94	11.2		9.4	14.2
80	11.0		10.2	15.2

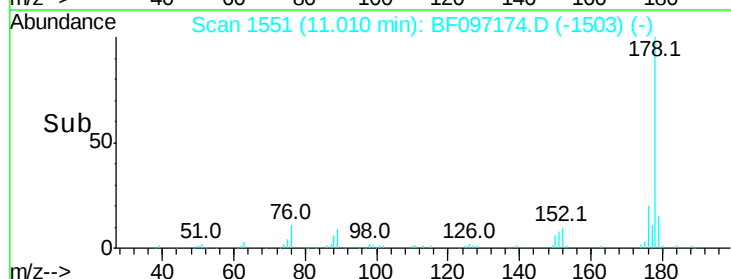
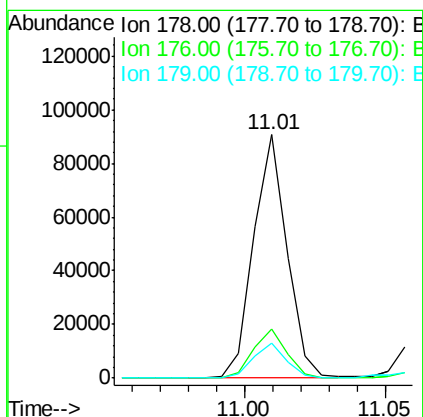
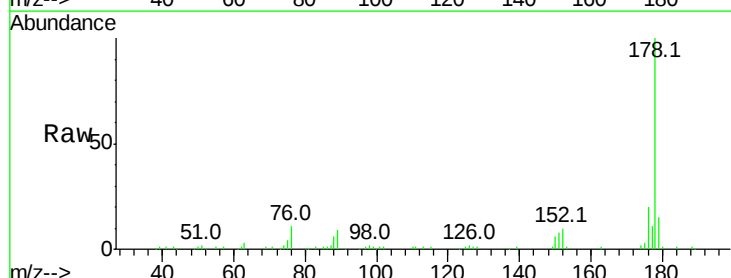
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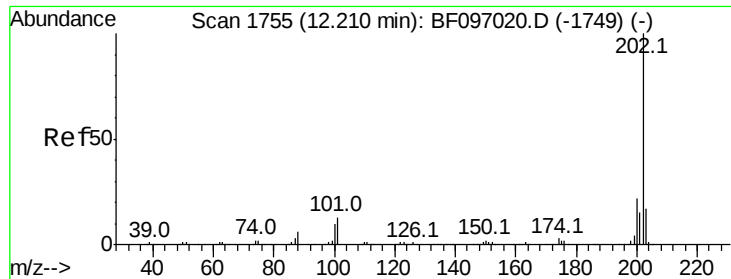
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#70
Phenanthrene
Concen: 6.651 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	74640		
176	19.9		16.2	24.4
179	14.6		12.6	19.0





#74

Fluoranthene

Concen: 14.675 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

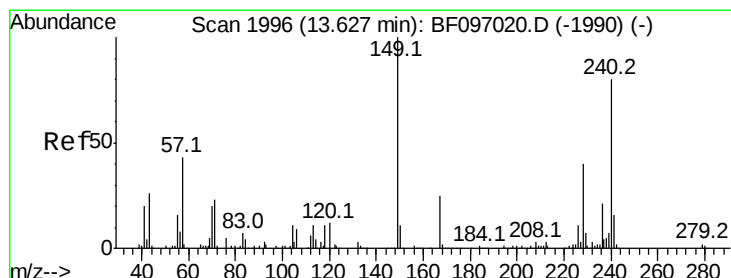
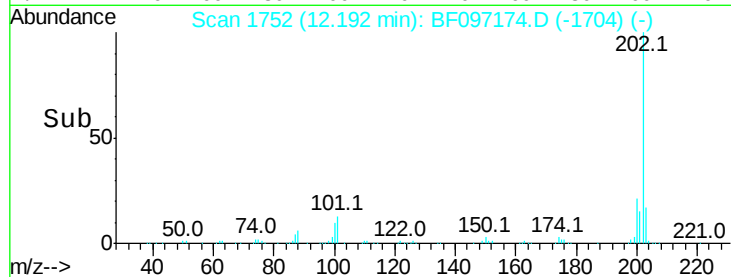
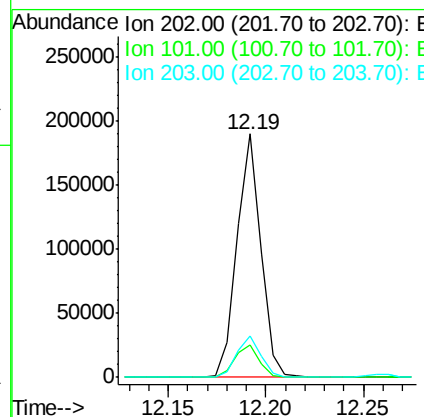
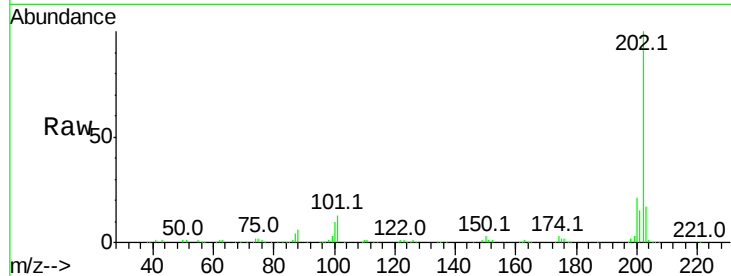
ClientSampled :

TP-13-SS-5

Tot Ion:	202	Resp:	161332
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.2
203	17.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

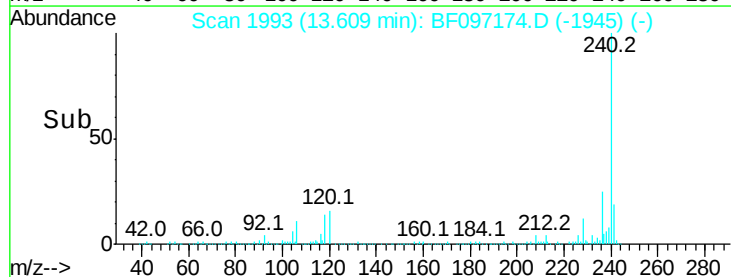
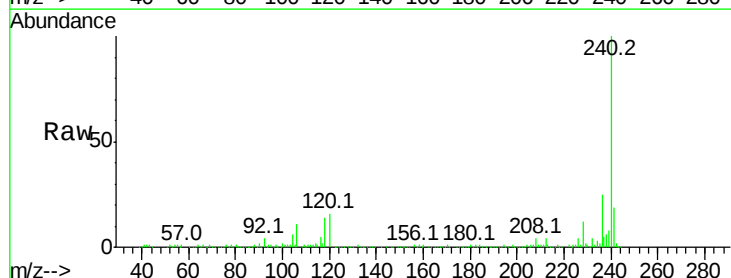
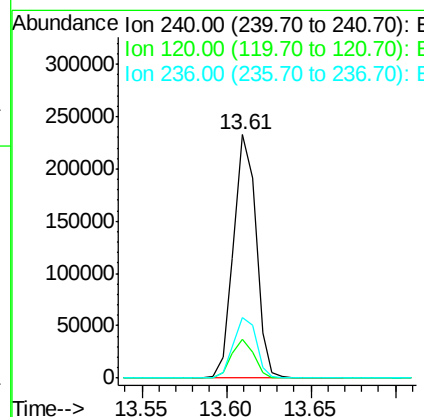
RT: 13.61 min Scan# 1993

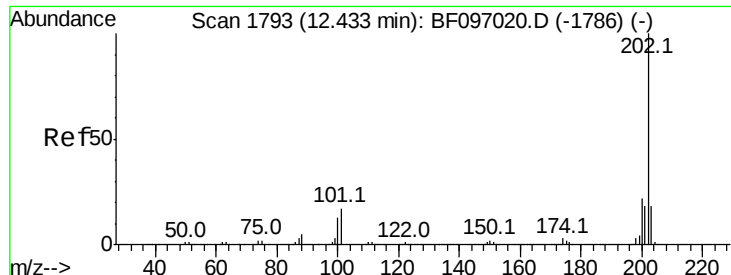
Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Tgt Ion:	240	Resp:	216280
Ion Ratio	Lower	Upper	
240	100		
120	16.0	5.8	8.8#
236	24.7	20.5	30.7





#77

Pvrene

Concen: 7.636 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

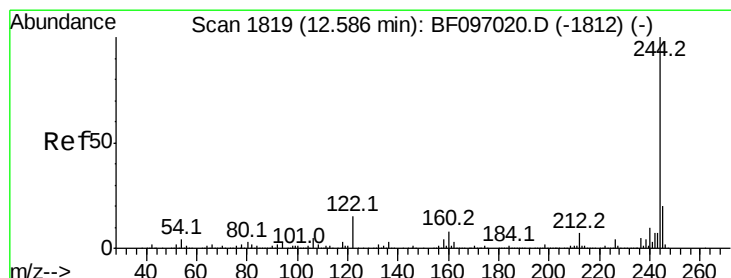
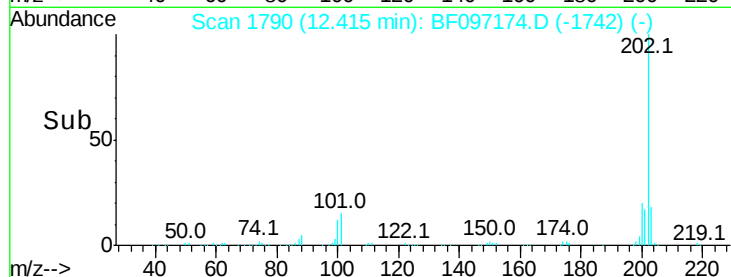
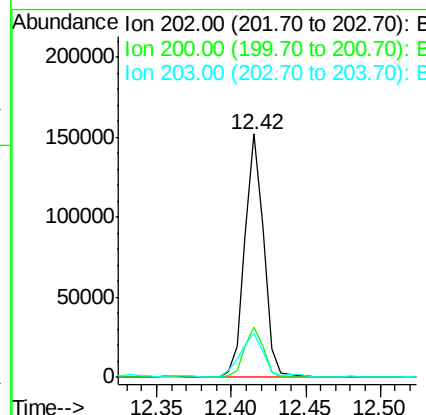
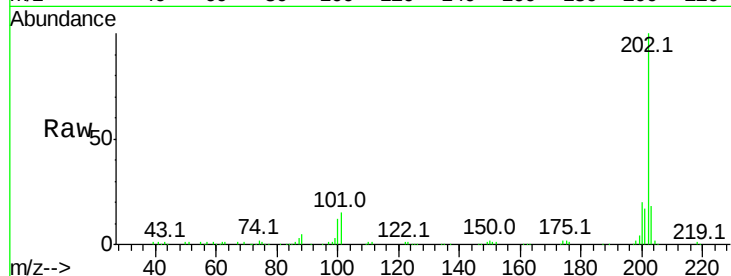
ClientSampleId :

TP-13-SS-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	18.1	14.4	21.6

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#78

Terphenyl-d14

Concen: 30.389 ng

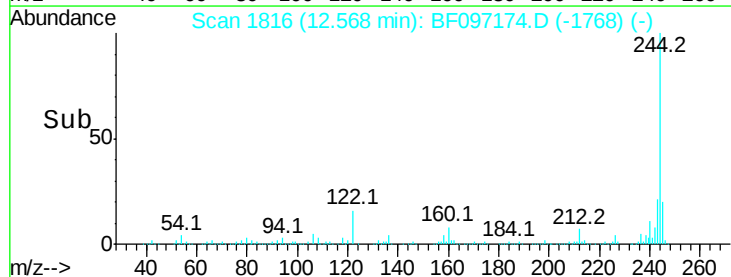
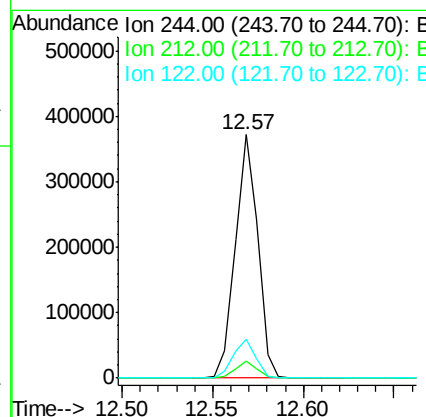
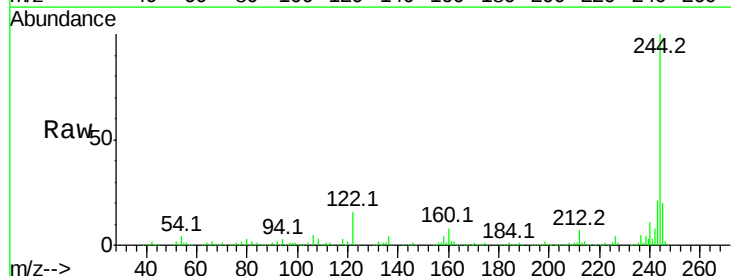
RT: 12.57 min Scan# 1816

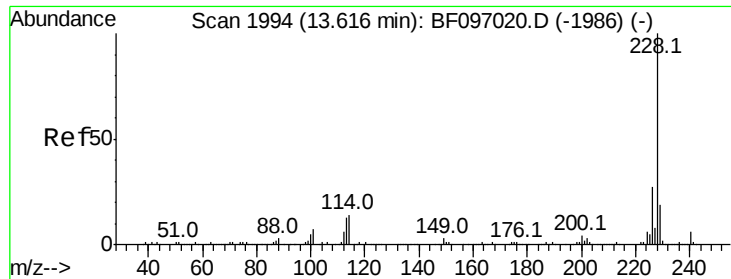
Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.7	10.3	15.5





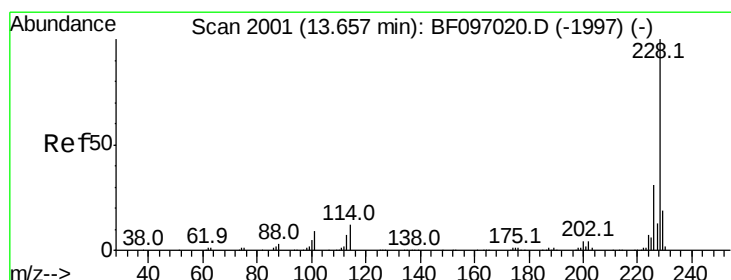
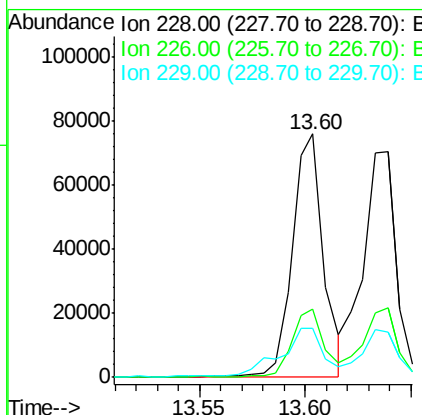
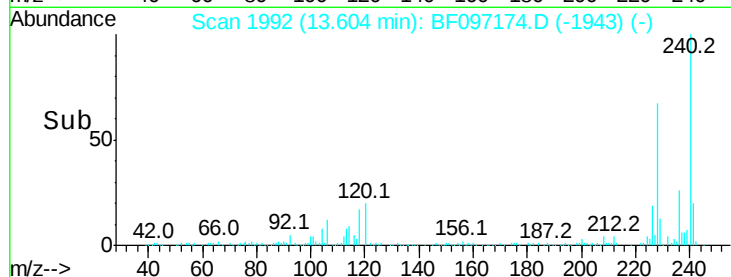
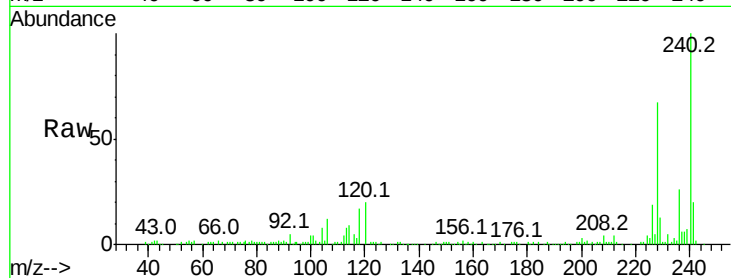
#80
Benzo(a)anthracene
Concen: 5.597 ng
RT: 13.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Instrument :
BNA_F
ClientSampleId :
TP-13-SS-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.1	16.3	24.5

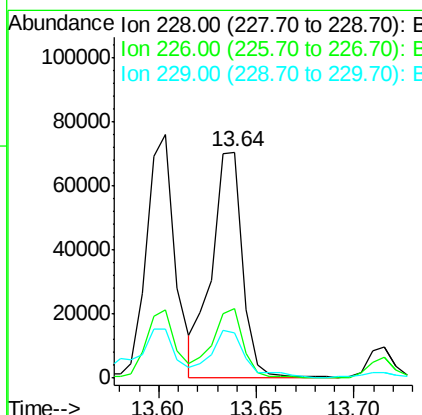
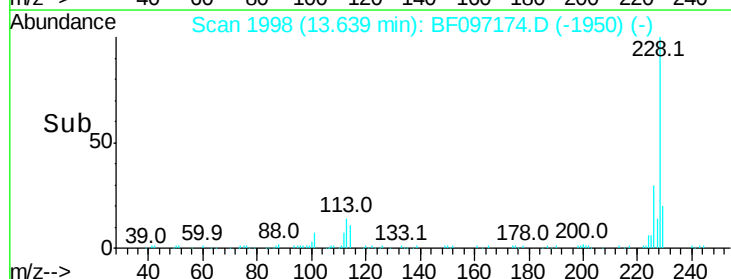
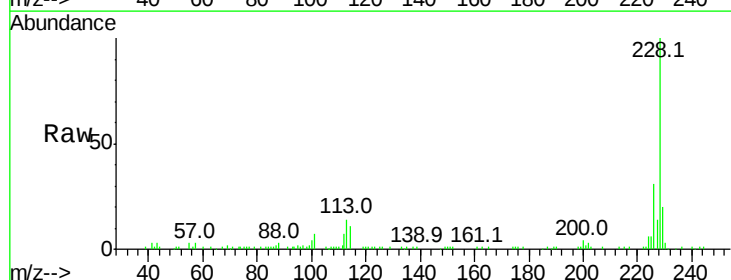
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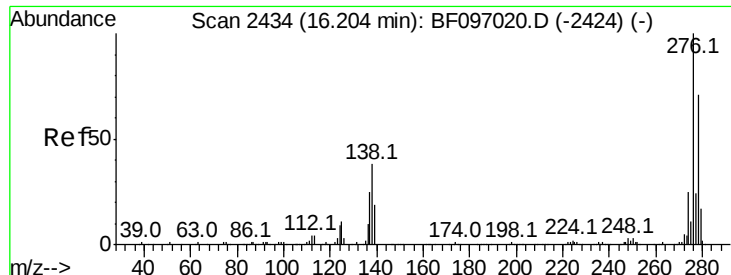
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#82
Chrysene
Concen: 5.741 ng
RT: 13.64 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF097174.D
Acq: 29 Jul 2017 00:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	20.3	15.8	23.6





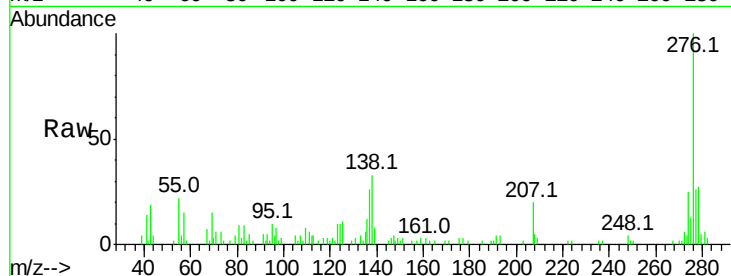
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.718 ng
 RT: 16.18 min Scan# 2430
 Delta R.T. -0.02 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-13-SS-5

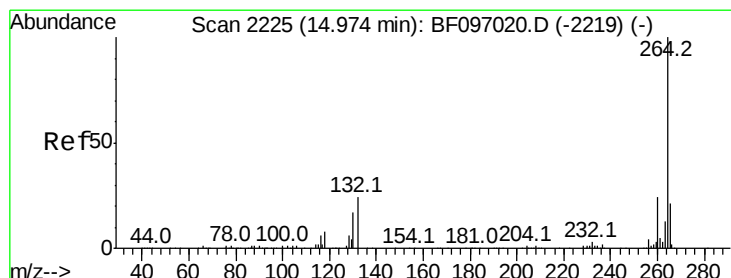
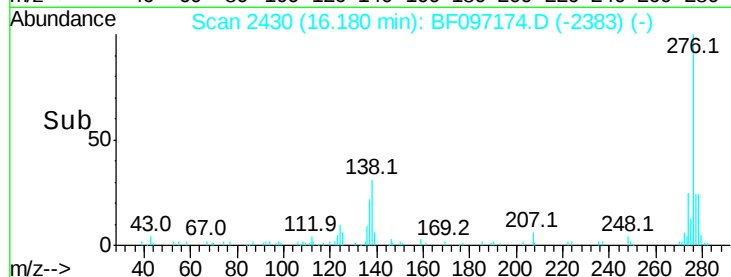
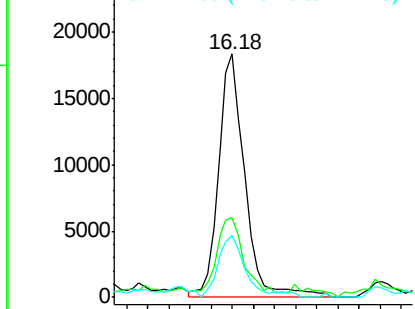
Tot Ion	Ratio	Lower	Upper
276	100		
138	32.4	27.8	41.6
277	26.6	20.2	30.4

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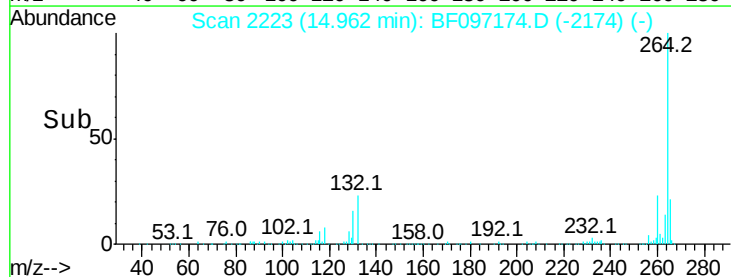
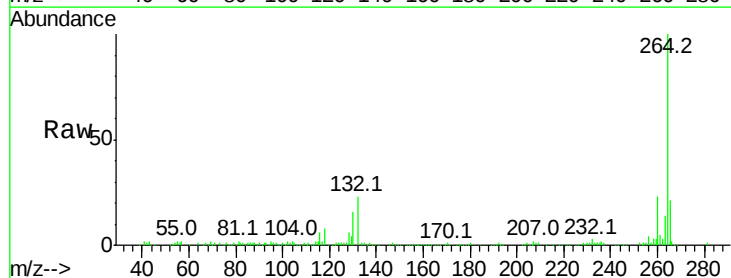
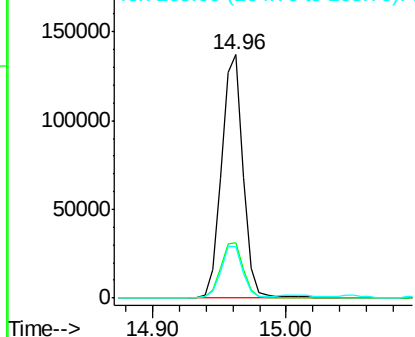
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

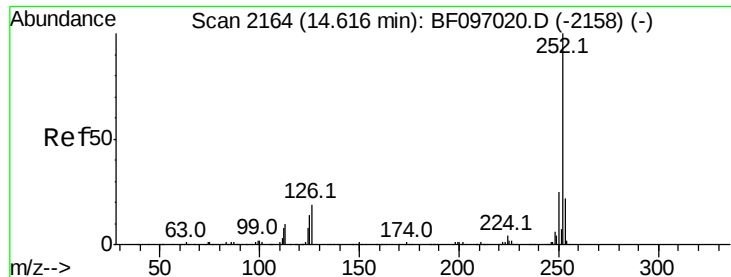


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.96 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: BF097174.D
 Acq: 29 Jul 2017 00:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.5	29.3
265	21.1	17.2	25.8

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.695 ng m

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

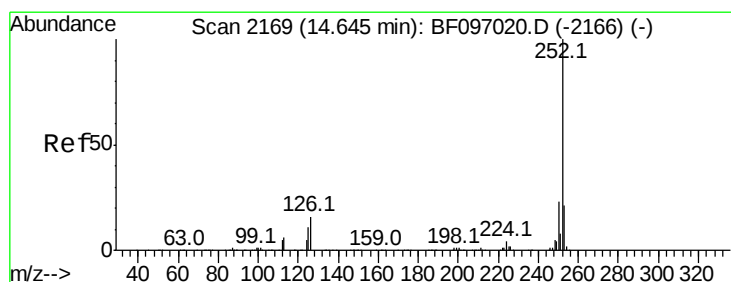
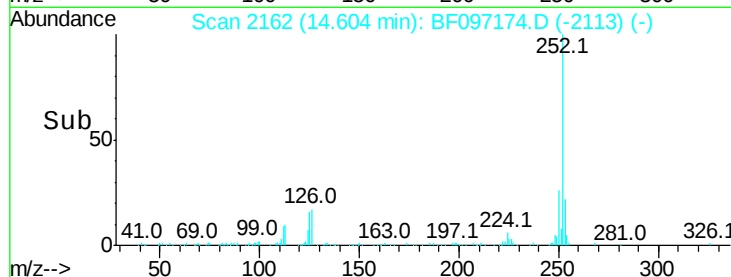
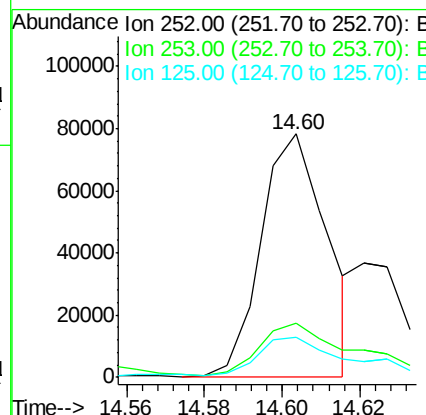
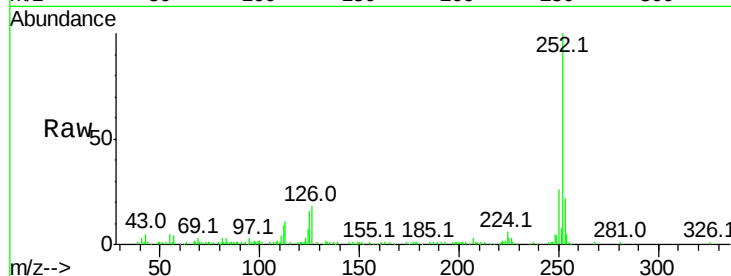
ClientSampled :

TP-13-SS-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	16.3	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 3.651 ng m

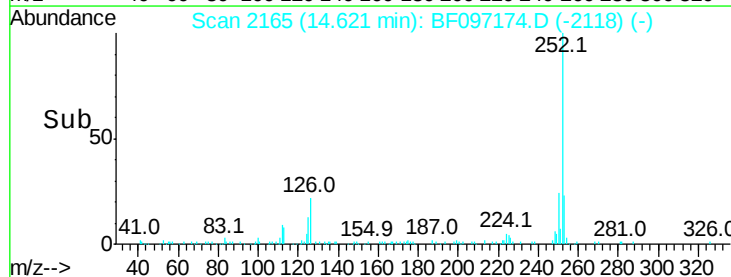
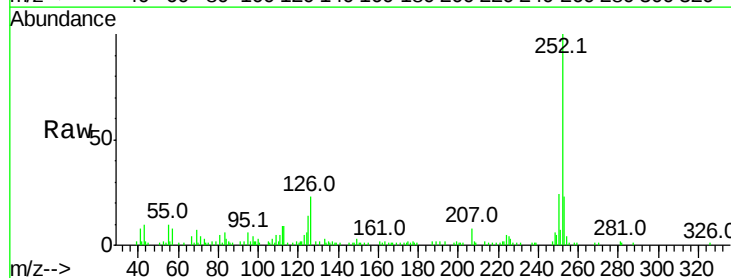
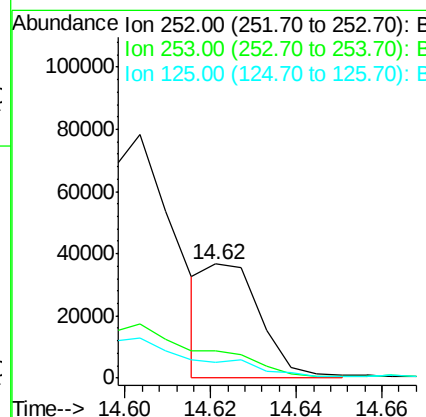
RT: 14.62 min Scan# 2165

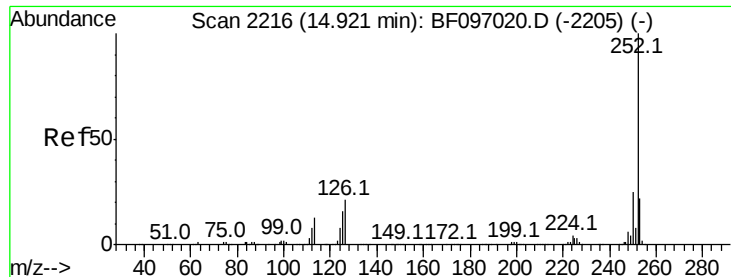
Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	14.2	13.1	19.7





#89

Benzo(a)pyrene

Concen: 6.463 ng

RT: 14.91 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Instrument :

BNA_F

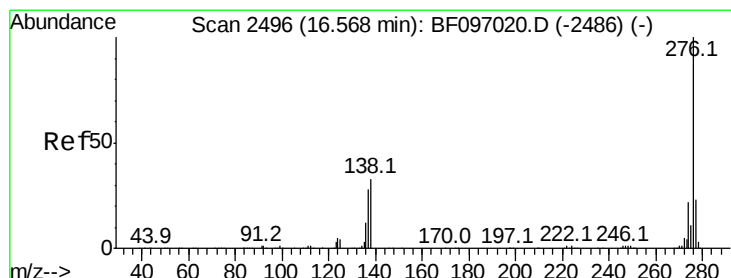
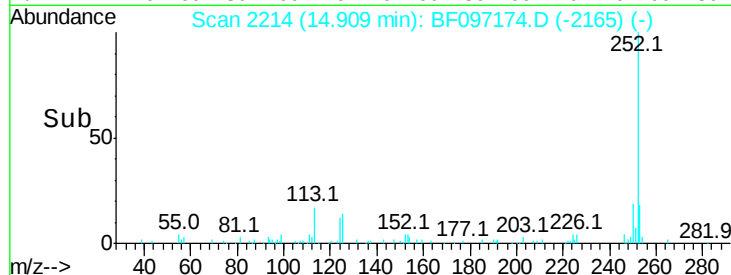
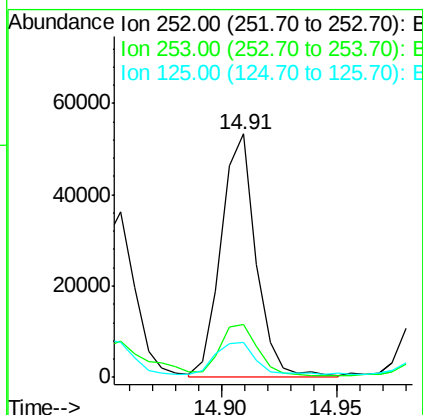
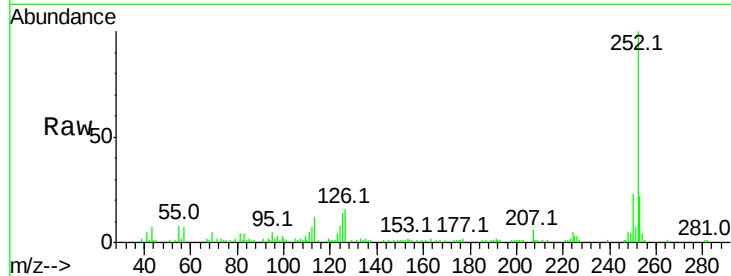
ClientSampleId :

TP-13-SS-5

Tot Ion:	252	Resp:	55902
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.5	26.3
125	14.1	11.0	16.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 3.833 ng

RT: 16.54 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BF097174.D

Acq: 29 Jul 2017 00:42

Tgt Ion:	276	Resp:	28515
Ion Ratio	Lower	Upper	
276	100		
277	27.3	18.6	28.0
138	38.8	25.4	38.0#

