

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097225.D
 Acq On : 1 Aug 2017 11:47
 Operator : SJ/JU
 Sample : I4456-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-SS-3

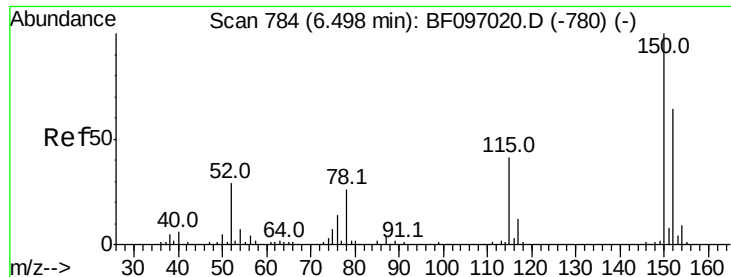
Manual Integrations
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Quant Time: Aug 01 15:04:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 01 14:57:42 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	117229	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	421748	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	138501	20.00	ng	0.00
63) Phenanthrene-d10	10.97	188	230407	20.00	ng	0.00
75) Chrysene-d12	13.59	240	199442	20.00	ng	0.00
86) Perylene-d12	14.94	264	168989	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	761326	97.90	ng	0.00
7) Phenol-d6	6.15	99	937904	105.65	ng	0.00
23) Nitrobenzene-d5	7.03	82	485436	67.52	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	112889	103.16	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	740669	90.76	ng	0.00
78) Terphenyl-d14	12.55	244	505157	51.64	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.16	94	23329	2.215	ng	95
49) Dimethylphthalate	9.23	163	101940	9.692	ng	99
59) Diethylphthalate	9.92	149	23787	2.465	ng	99
70) Phenanthrene	10.99	178	191960	15.549	ng	97
71) Anthracene	11.04	178	48521	3.837	ng	95
72) Carbazole	11.20	167	32967	2.651	ng	97
74) Fluoranthene	12.17	202	339765	28.093	ng	100
77) Pyrene	12.40	202	294825	18.057	ng	99
80) Benzo(a)anthracene	13.59	228	157516	12.206	ng	98
82) Chrysene	13.62	228	146222	11.604	ng	96
85) Indeno(1,2,3-cd)pyrene	16.16	276	63487	5.876	ng	98
87) Benzo(b)fluoranthene	14.59	252	218179m	21.478	ng	
88) Benzo(k)fluoranthene	14.61	252	53865m	5.565	ng	
89) Benzo(a)pyrene	14.89	252	126171	13.571	ng	# 93
90) Dibenzo(a,h)anthracene	16.16	278	19391	2.543	ng	# 75
91) Benzo(g,h,i)perylene	16.52	276	58640	7.334	ng	95

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



#1

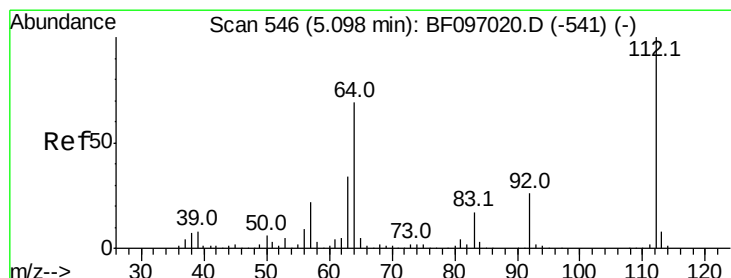
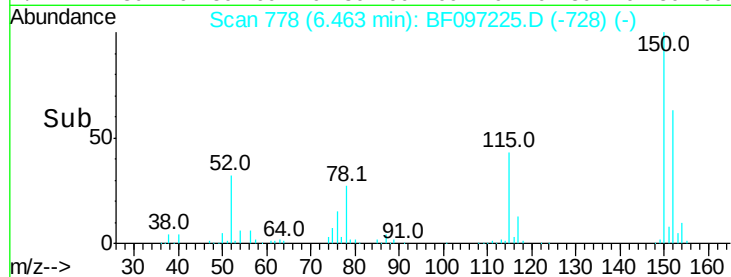
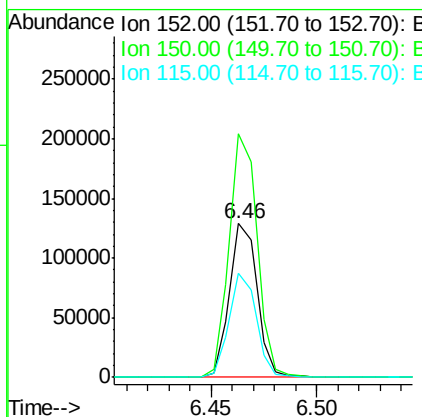
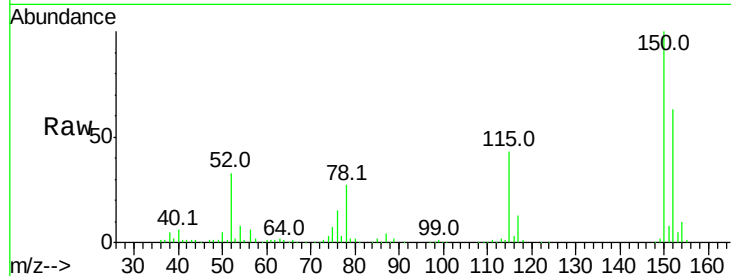
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.46 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Instrument :
BNA_F
ClientSampled :
TP-7-SS-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.2	189.2
115	67.5	52.2	78.2

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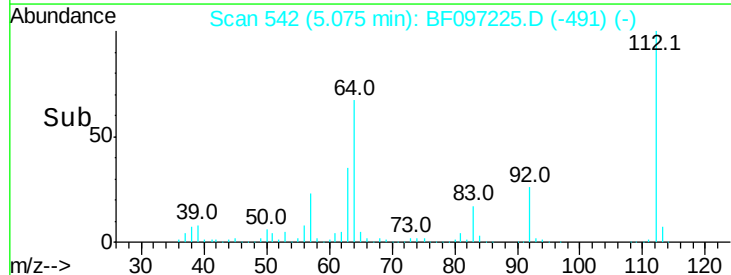
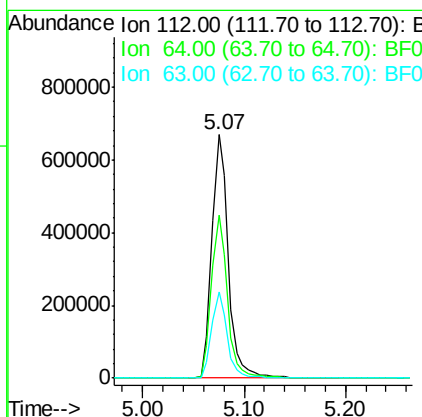
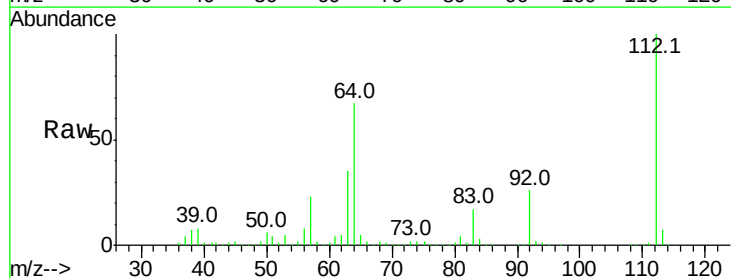
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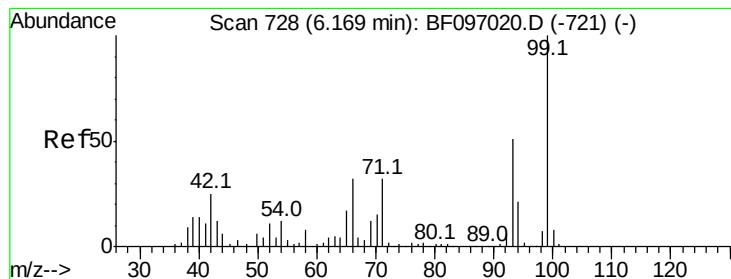


#5

2-Fluorophenol
Concen: 97.902 ng
RT: 5.07 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.0	69.0
63	35.2	23.4	35.0





#7

Phenol-d6

Concen: 105.647 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Instrument :

BNA_F

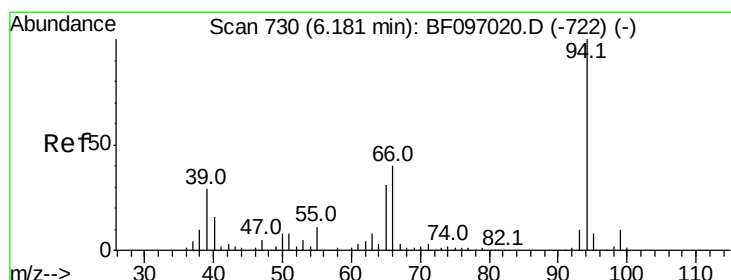
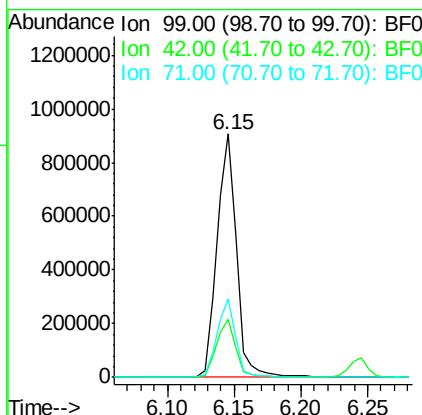
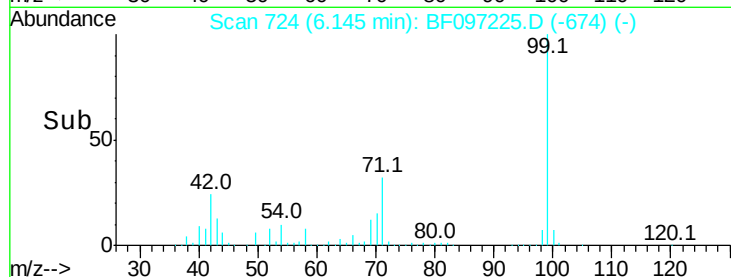
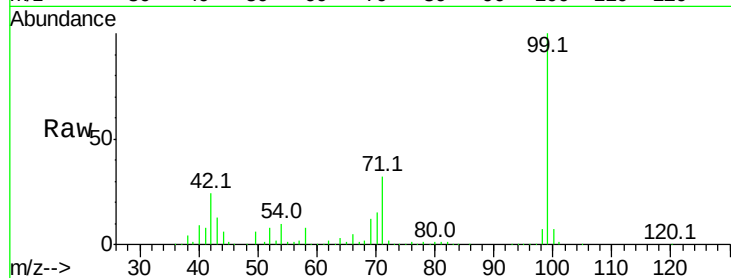
ClientSampleId :

TP-7-SS-3

Tot Ion:	99	Resp:	937904
Ion Ratio	Lower	Upper	
99	100		
42	23.8	13.5	20.3#
71	32.1	24.5	36.7

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#10

Phenol

Concen: 2.215 ng

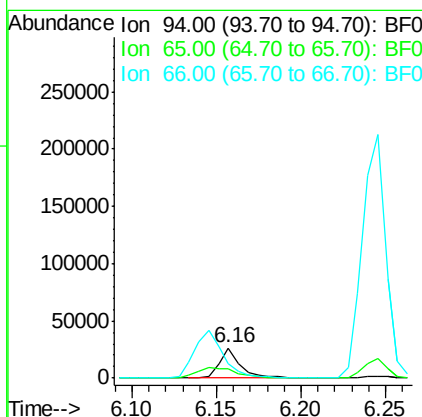
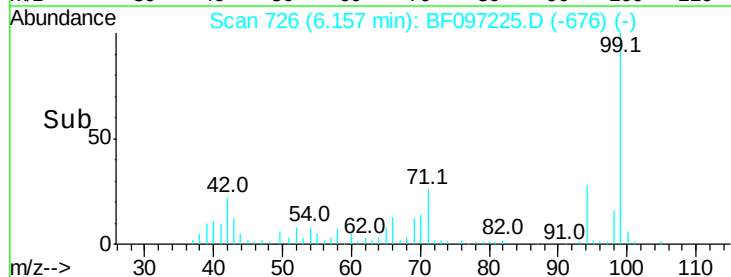
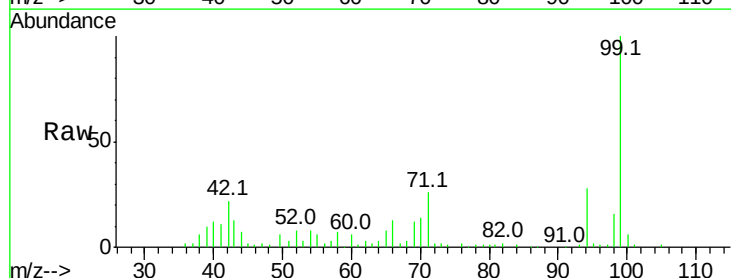
RT: 6.16 min Scan# 726

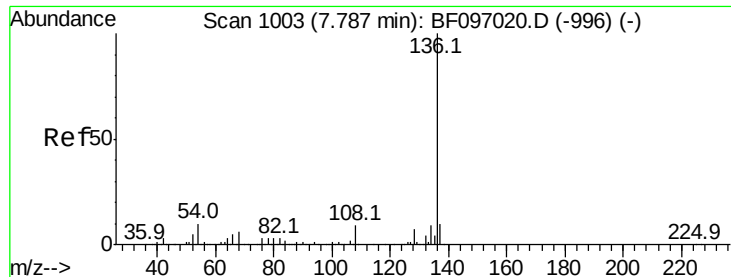
Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Tgt Ion:	94	Resp:	23329
Ion Ratio	Lower	Upper	
94	100		
65	29.7	9.9	49.9
66	48.2	23.1	63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.75 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Instrument :

BNA_F

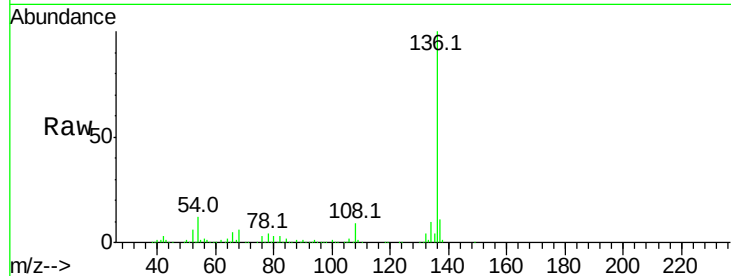
ClientSampleId :

TP-7-SS-3

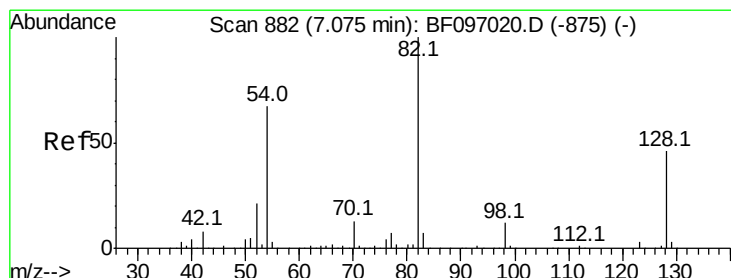
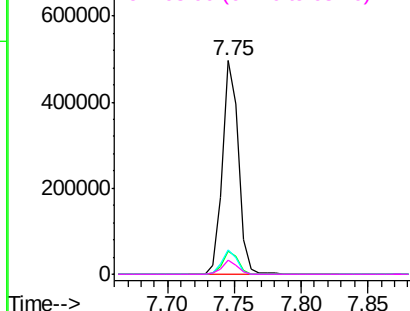
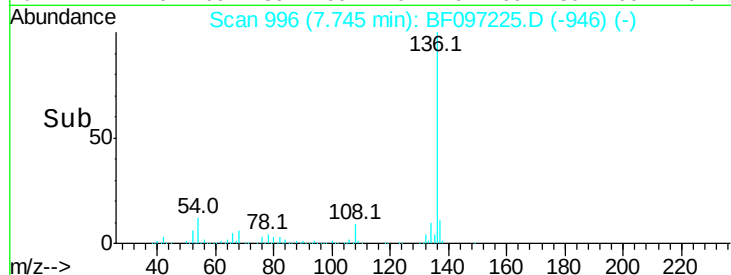
Tot Ion	Ratio	Resp	Lower	Upper
136	100	421748		
137	10.8	8.5	12.7	
54	11.6	4.9	7.3#	
68	6.5	4.1	6.1#	

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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: 67.523 ng

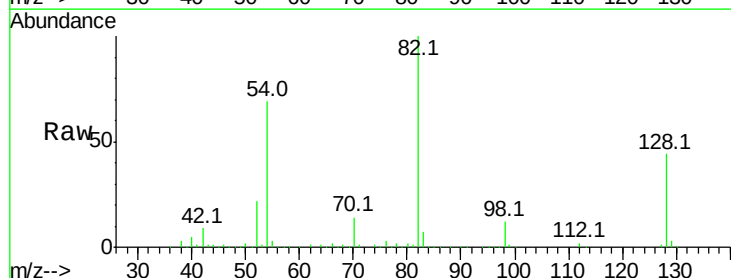
RT: 7.03 min Scan# 875

Delta R.T. -0.01 min

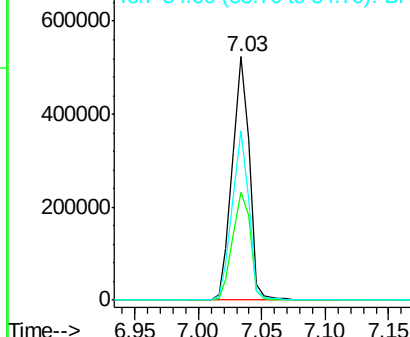
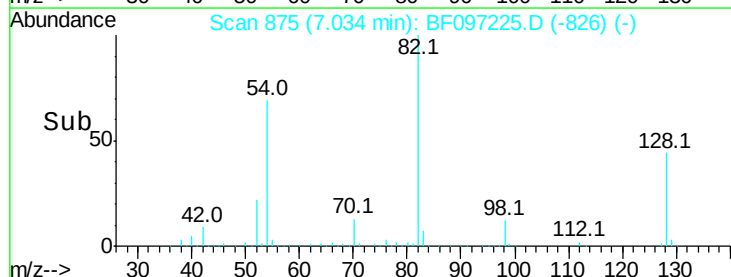
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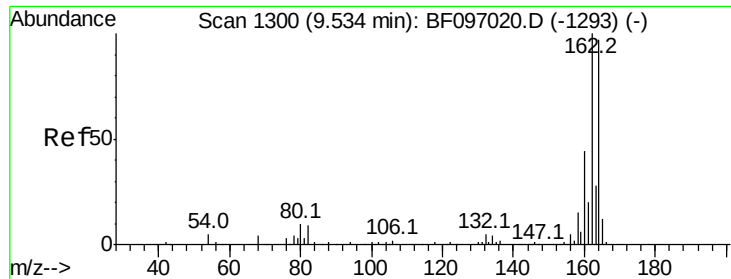
Acq: 1 Aug 2017 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	485436		
128	44.3	34.0	51.0	
54	69.4	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: 9.49 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Instrument :

BNA_F

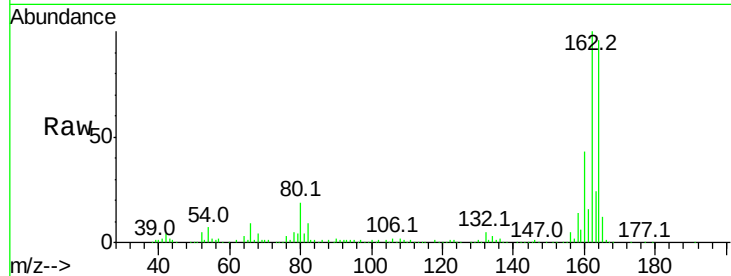
ClientSampleId :

TP-7-SS-3

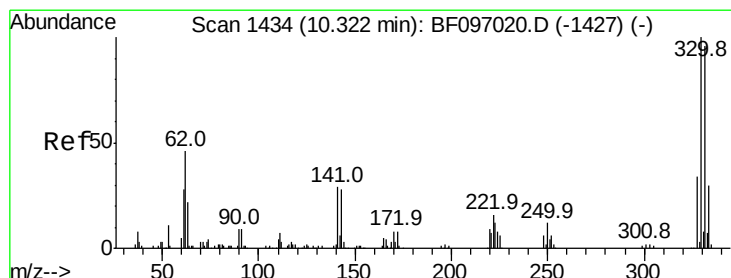
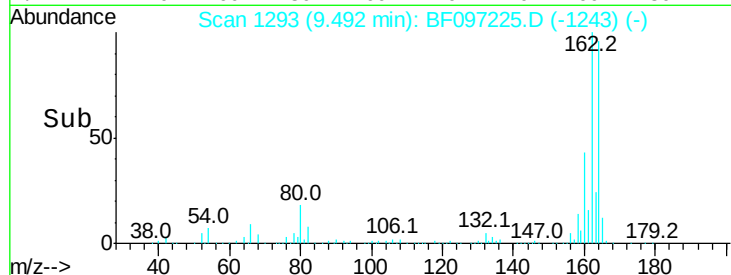
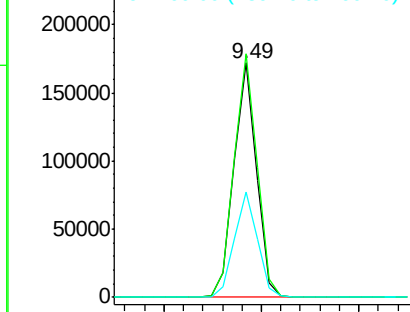
Tot Ion:	164	Resp:	138501
Ion Ratio	Lower	Upper	
164	100		
162	103.8	82.6	123.8
160	45.0	36.2	54.2

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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: 103.162 ng

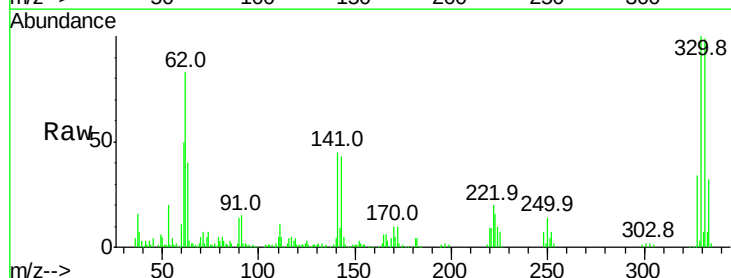
RT: 10.28 min Scan# 1427

Delta R.T. -0.01 min

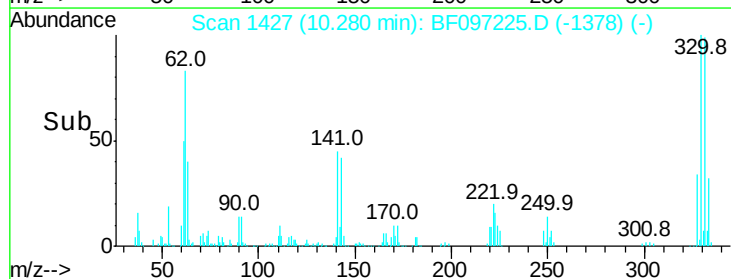
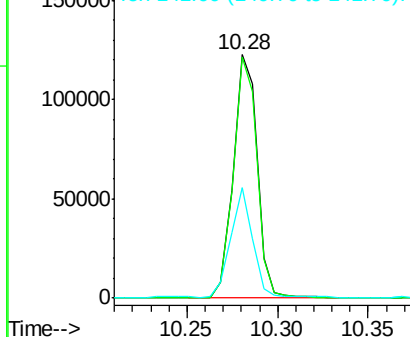
Lab File: BF097225.D

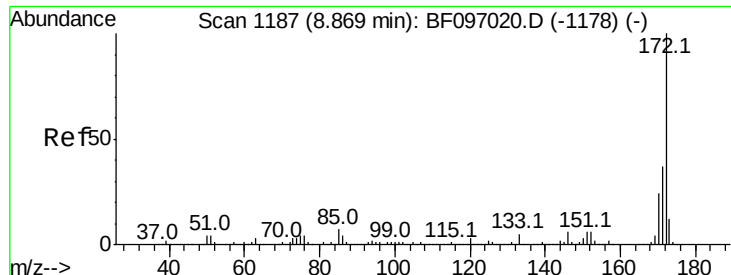
Acq: 1 Aug 2017 11:47

Tgt Ion:	330	Resp:	112889
Ion Ratio	Lower	Upper	
330	100		
332	98.0	76.6	115.0
141	40.9	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





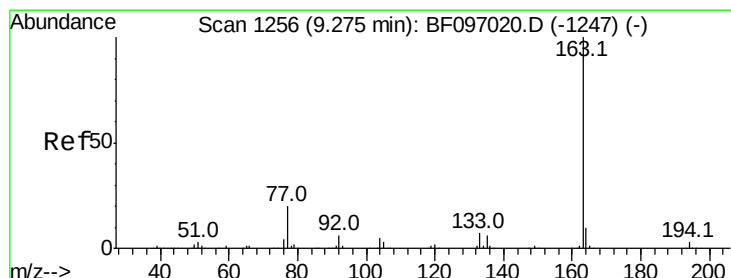
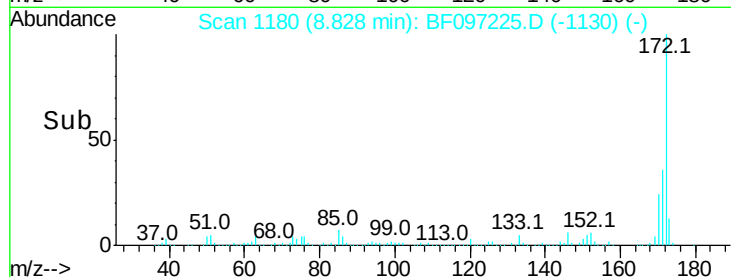
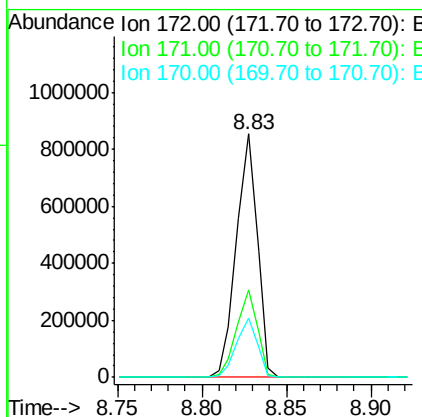
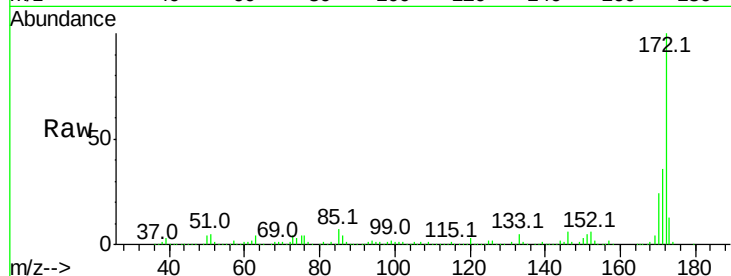
#44
2-Fluorobiphenyl
Concen: 90.757 ng
RT: 8.83 min Scan# 1180
Delta R.T. -0.01 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion	Ratio	Resp	Lower	Upper
172	100	740669		
171	36.1		29.6	44.4
170	24.4		19.8	29.8

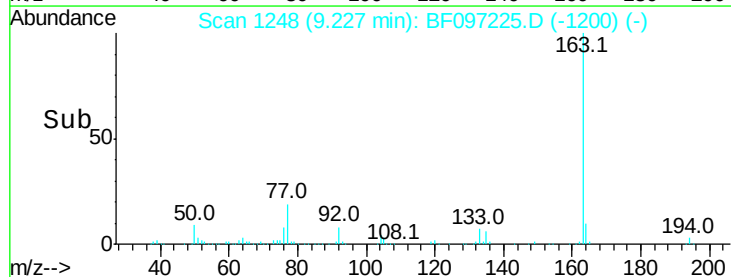
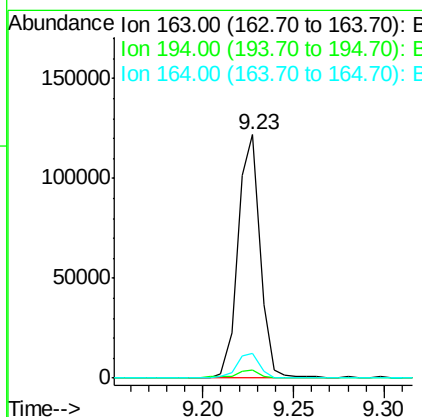
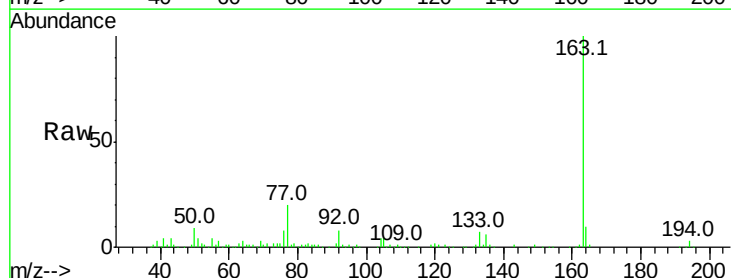
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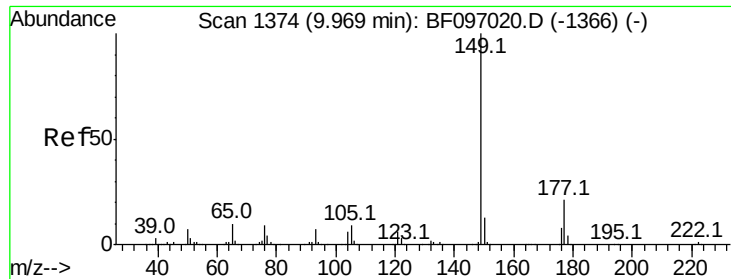
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#49
Dimethylphthalate
Concen: 9.692 ng
RT: 9.23 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	101940		
194	3.1		2.6	4.0
164	10.3		8.4	12.6





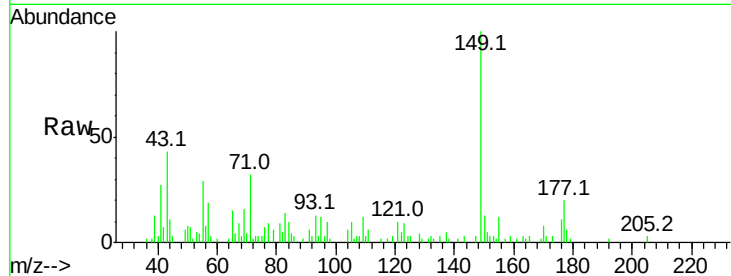
#59
Diethylphthalate
Concen: 2.465 ng
RT: 9.92 min Scan# 1365
Delta R.T. -0.02 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

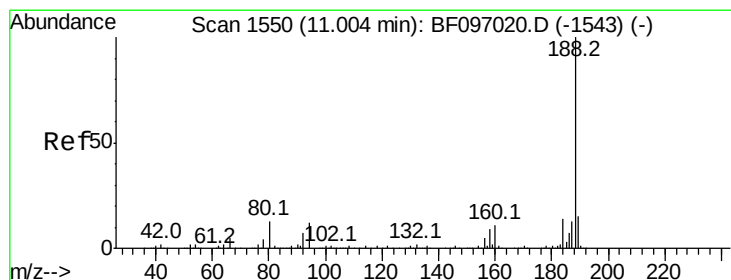
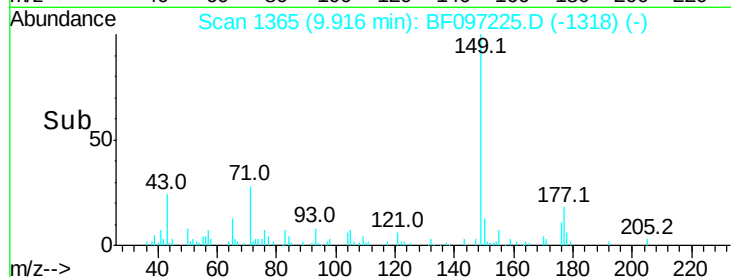
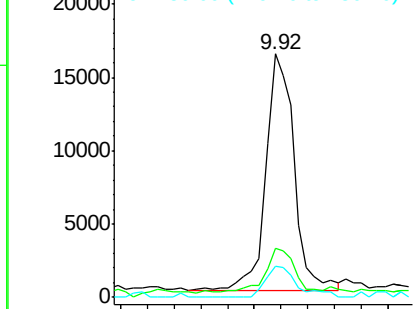
Tot Ion	Ratio	Lower	Upper
149	100		
177	20.4	16.7	25.1
150	12.8	10.2	15.2

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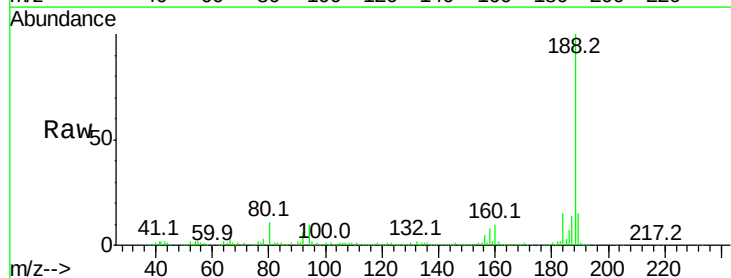


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

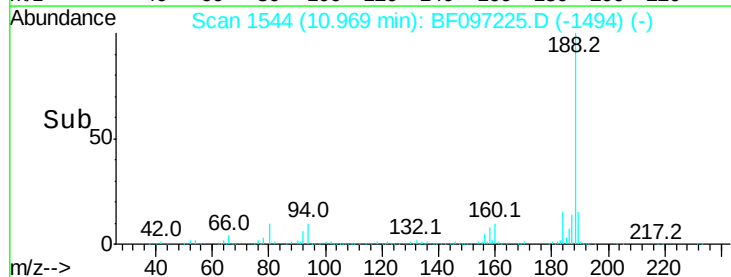
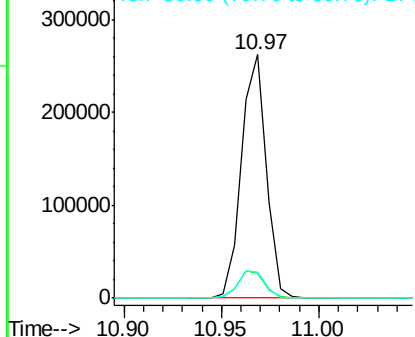


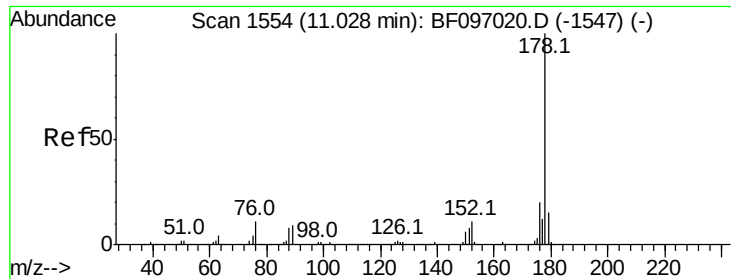
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.97 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	10.6	10.2	15.2



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





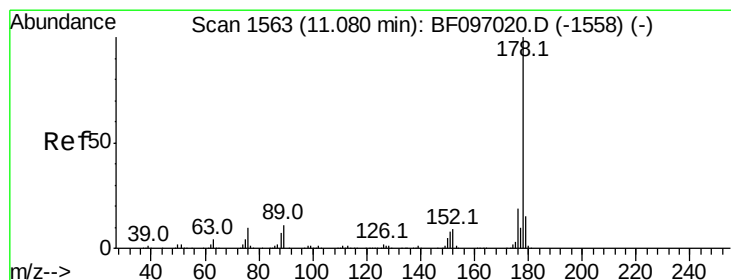
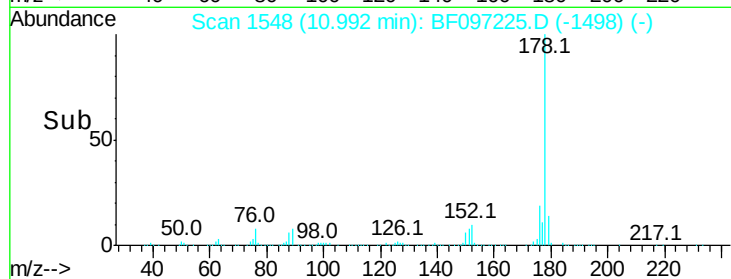
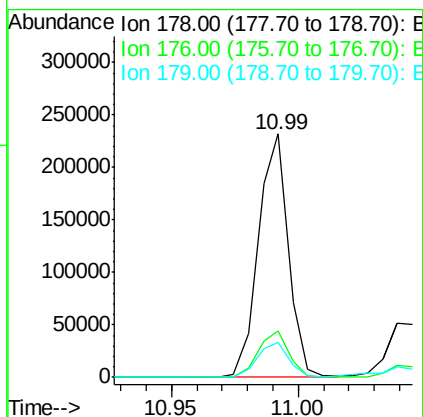
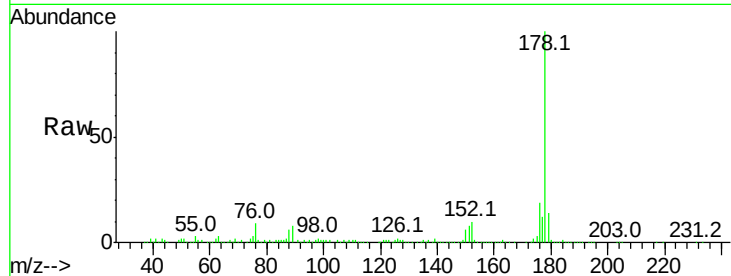
#70
Phenanthrene
Concen: 15.549 ng
RT: 10.99 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	14.1	12.6	19.0

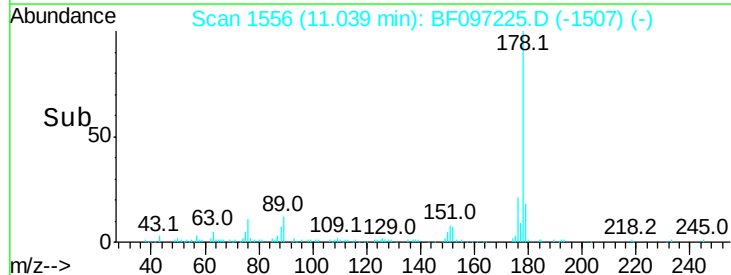
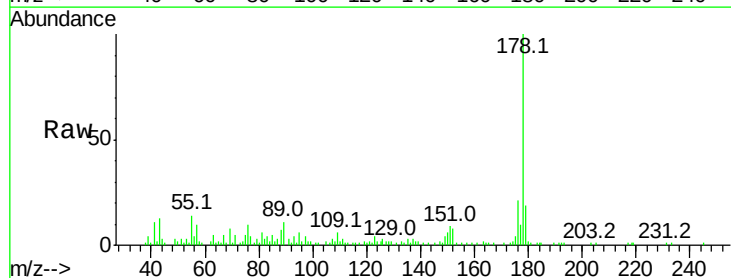
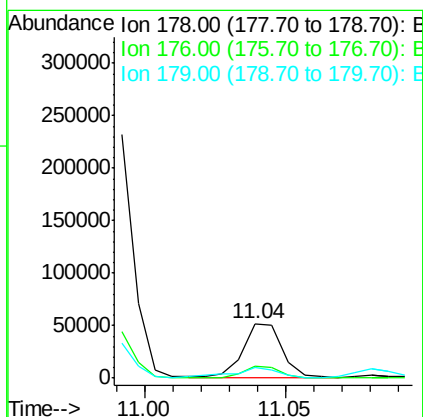
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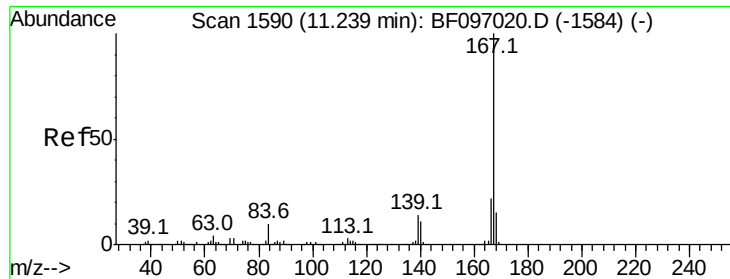
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#71
Anthracene
Concen: 3.837 ng
RT: 11.04 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.8	23.8
179	19.0	12.7	19.1





#72

Carbazole

Concen: 2.651 ng

RT: 11.20 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Instrument :

BNA_F

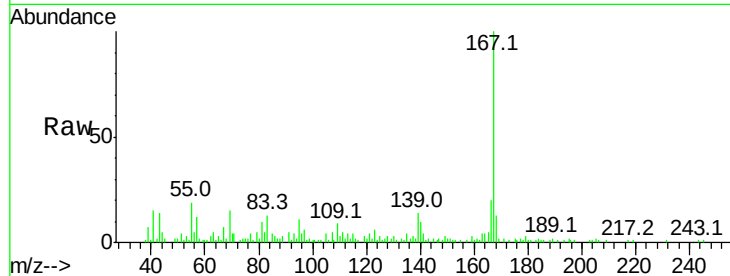
ClientSampleId :

TP-7-SS-3

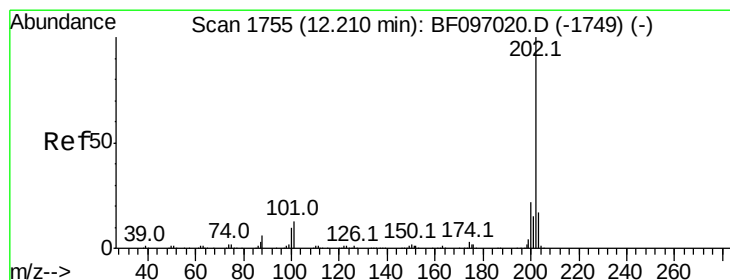
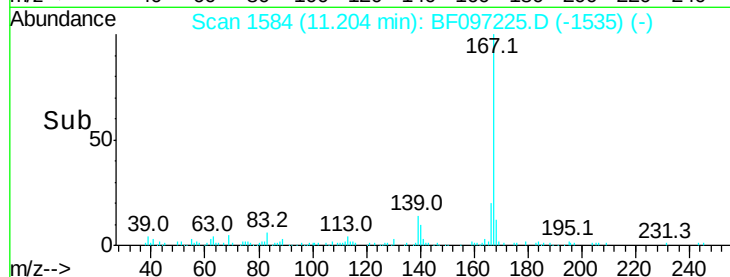
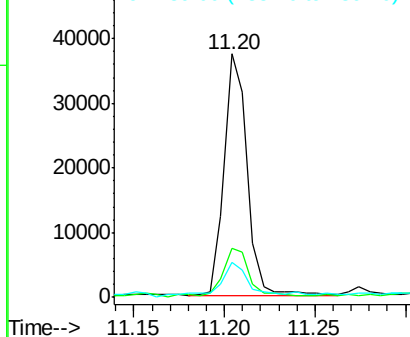
Tot Ion:	167	Resp:	32967
Ion Ratio	Lower	Upper	
167	100		
166	20.1	18.1	27.1
139	14.4	11.7	17.5

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 28.093 ng

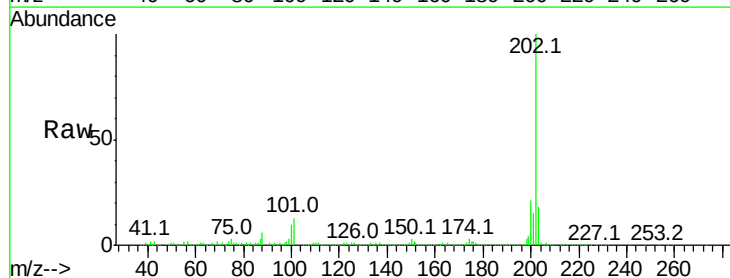
RT: 12.17 min Scan# 1749

Delta R.T. -0.01 min

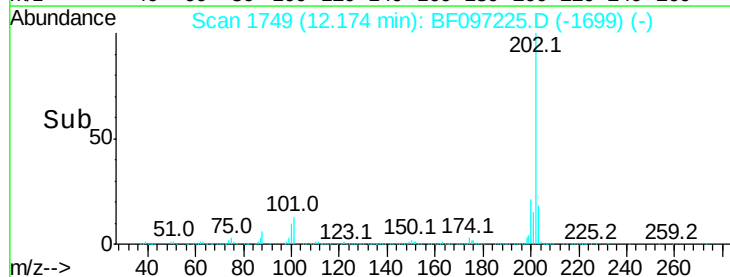
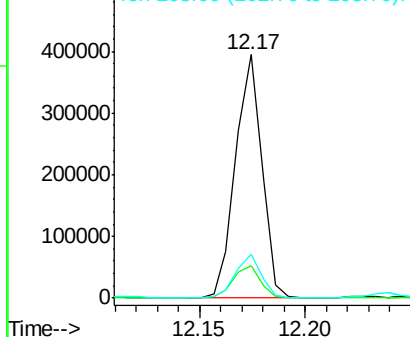
Lab File: BF097225.D

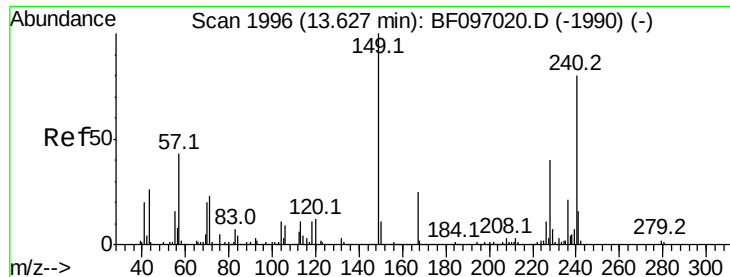
Acq: 1 Aug 2017 11:47

Tgt Ion:	202	Resp:	339765
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	33.2
203	18.0	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.59 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Instrument :

BNA_F

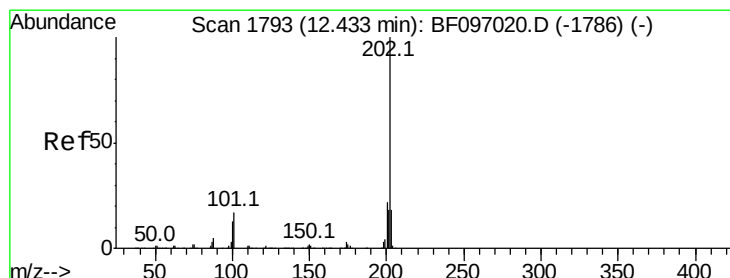
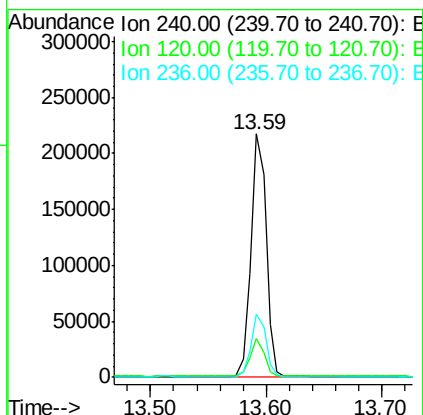
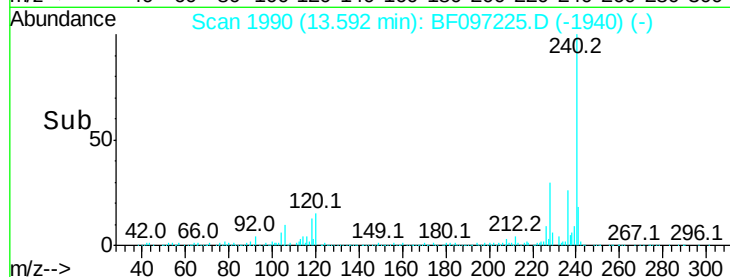
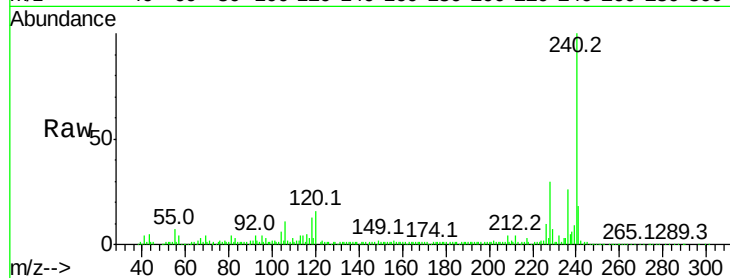
ClientSampled :

TP-7-SS-3

Tot Ion	Ratio	Resp	Lower	Upper
240	100	199442		
120	15.9	5.8	8.8#	
236	26.0	20.5	30.7	

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#77

Pyrene

Concen: 18.057 ng

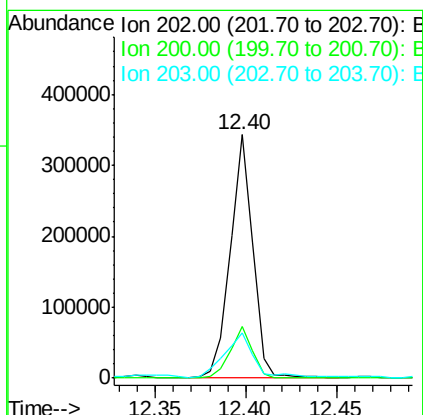
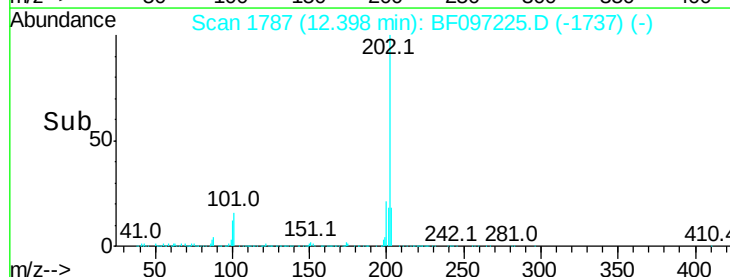
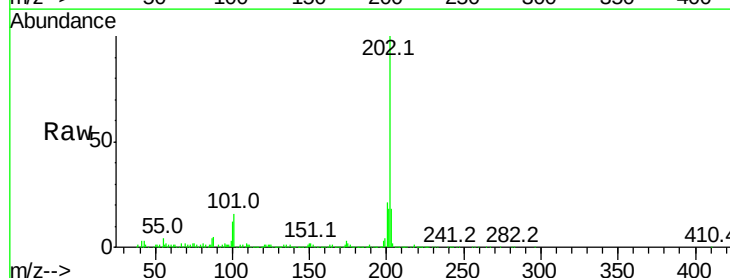
RT: 12.40 min Scan# 1787

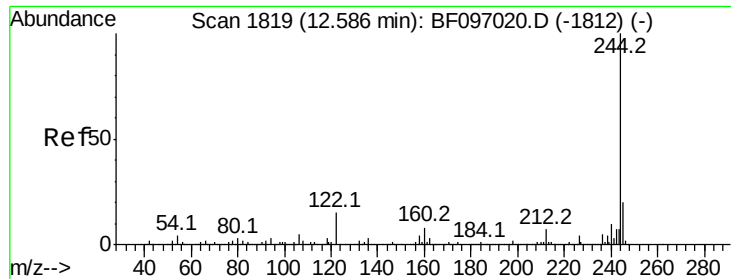
Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	294825		
200	21.0	17.6	26.4	
203	18.3	14.4	21.6	





#78

Terphenyl-d14

Concen: 51.641 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Instrument :

BNA_F

ClientSampleId :

TP-7-SS-3

Tot Ion:244 Resp: 505157
Ion Ratio Lower Upper

244 100

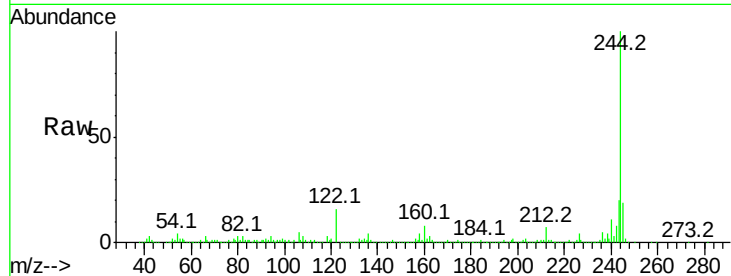
212 6.8 6.0 9.0

122 15.6 10.3 15.5#

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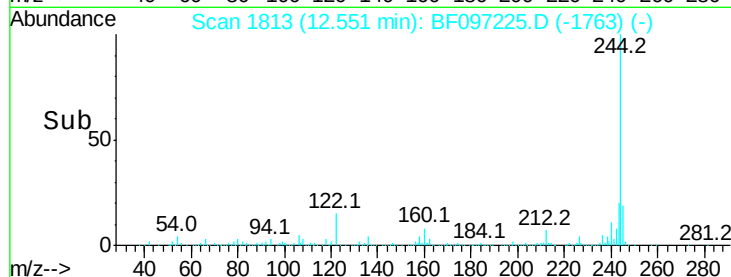
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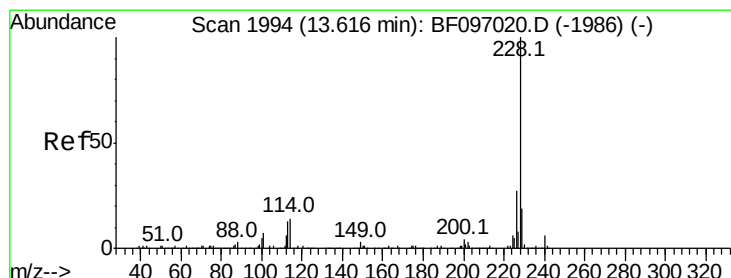


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

12.55



Time-->



#80

Benzo(a)anthracene

Concen: 12.206 ng

RT: 13.59 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BF097225.D

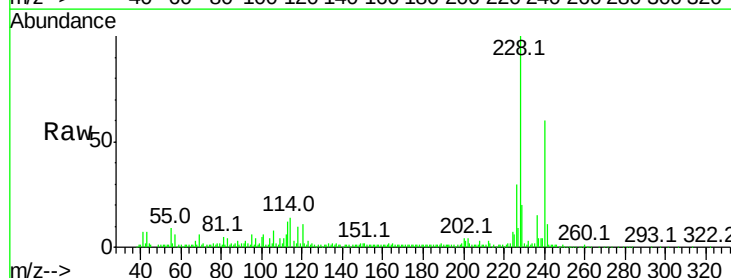
Acq: 1 Aug 2017 11:47

Tgt Ion:228 Resp: 157516
Ion Ratio Lower Upper

228 100

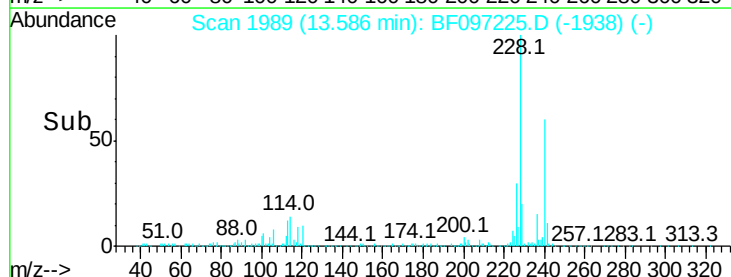
226 30.1 22.6 33.8

229 20.3 16.3 24.5

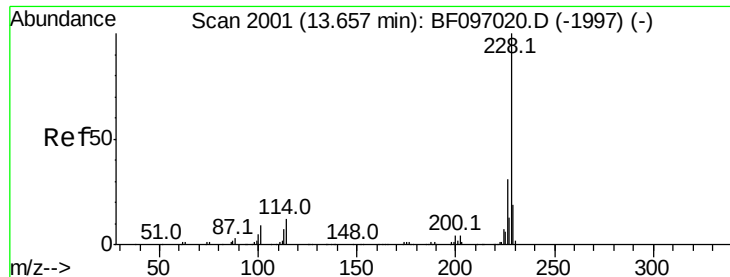


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

13.59



Time-->



#82

Chrysene

Concen: 11.604 ng

RT: 13.62 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Instrument :

BNA_F

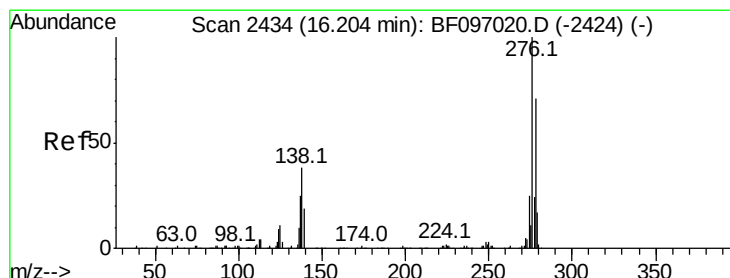
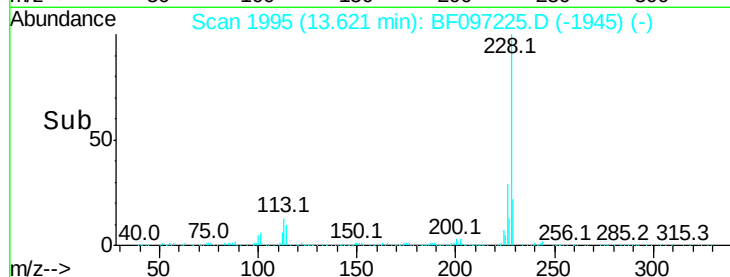
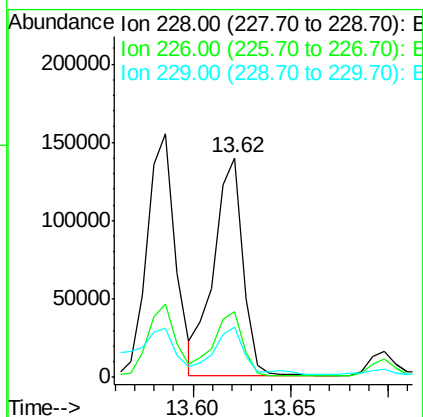
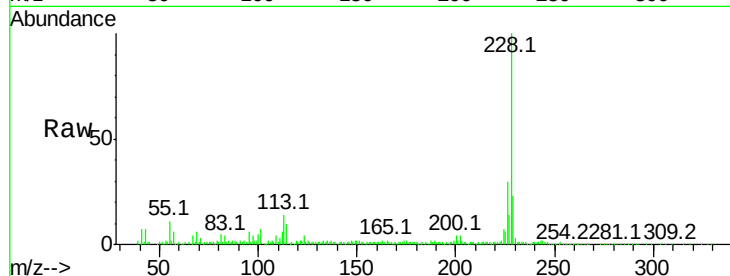
ClientSampleId :

TP-7-SS-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	22.7	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.876 ng

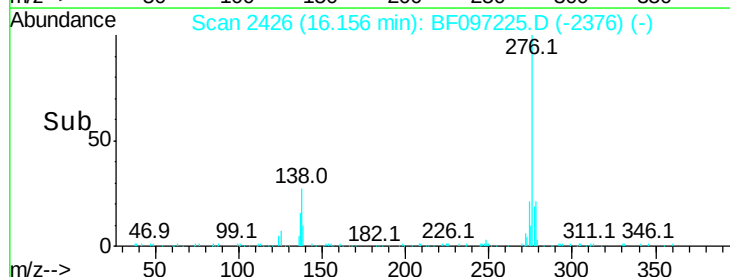
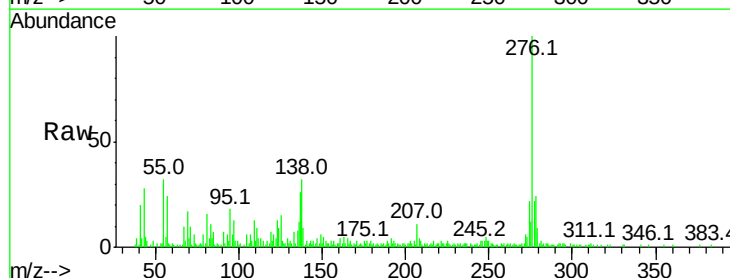
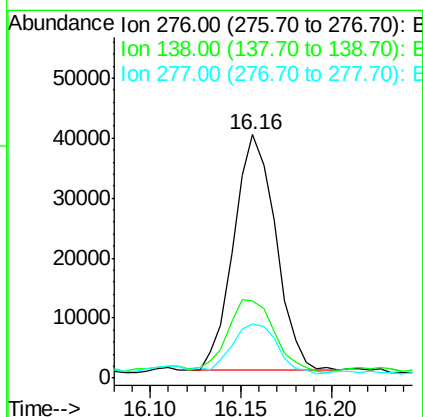
RT: 16.16 min Scan# 2426

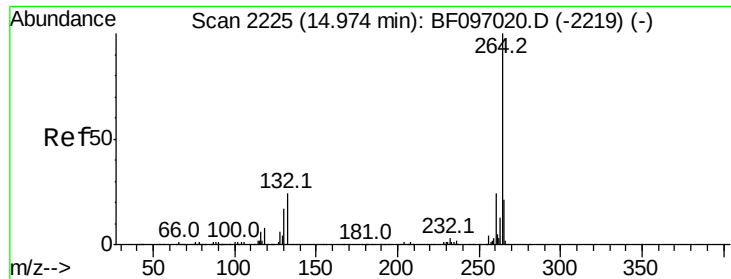
Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.9	27.8	41.6
277	23.1	20.2	30.4





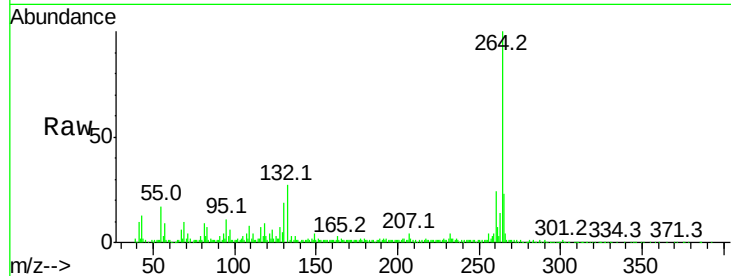
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.94 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion	Ratio	Resp	Lower	Upper
264	100	168989		
260	24.0		19.5	29.3
265	22.7		17.2	25.8

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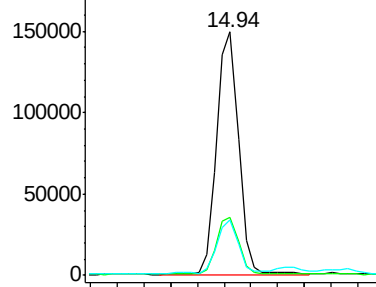


Abundance

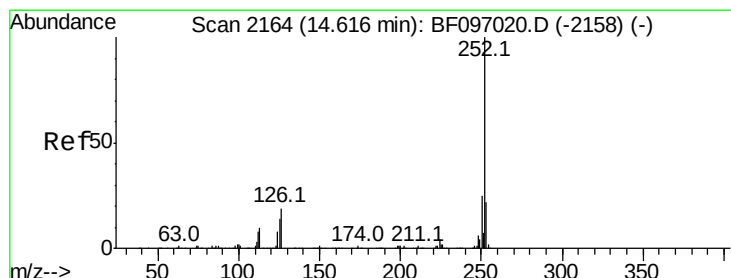
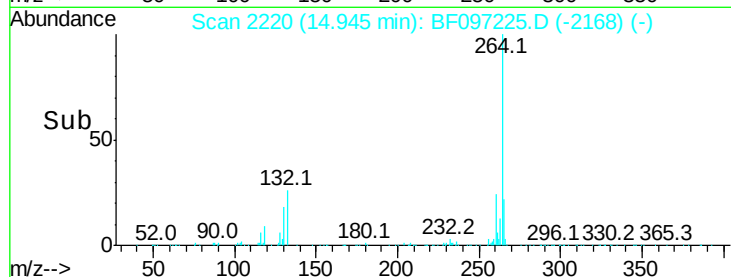
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

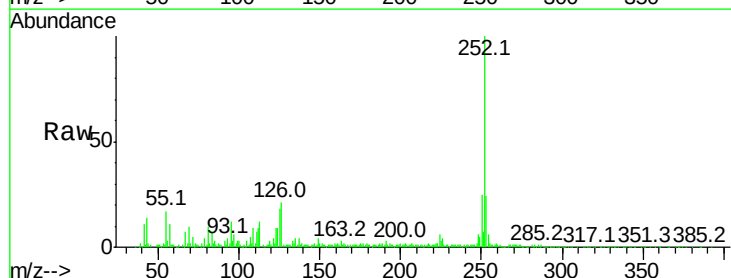


Time-->



#87
Benzo(b)fluoranthene
Concen: 21.478 ng m
RT: 14.59 min Scan# 2159
Delta R.T. 0.00 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	218179		
253	24.3		18.1	27.1
125	17.8		9.8	14.8#

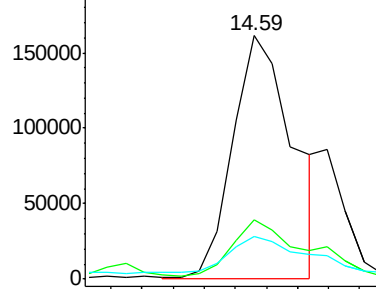


Abundance

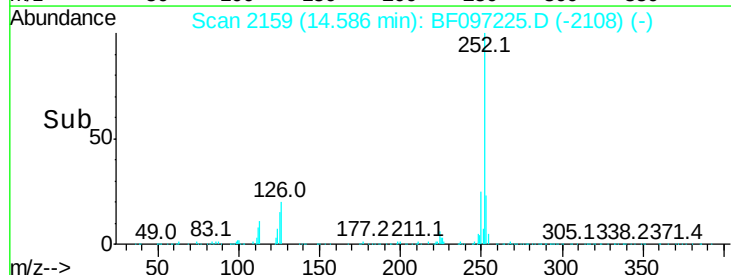
Ion 252.00 (251.70 to 252.70): E

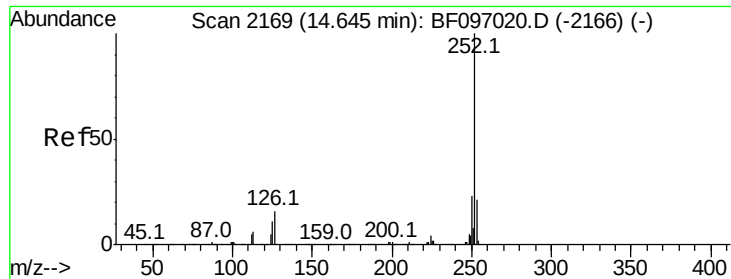
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#88

Benzo(k)fluoranthene

Concen: 5.565 ng/mL

RT: 14.61 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Instrument :

BNA_F

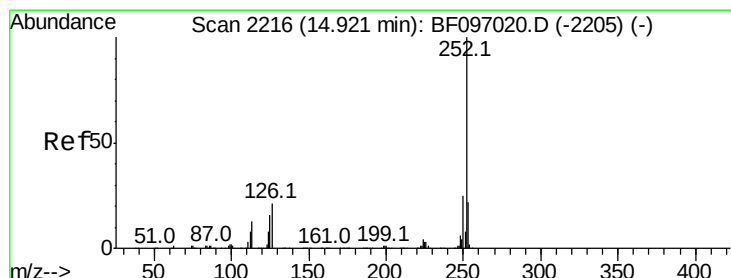
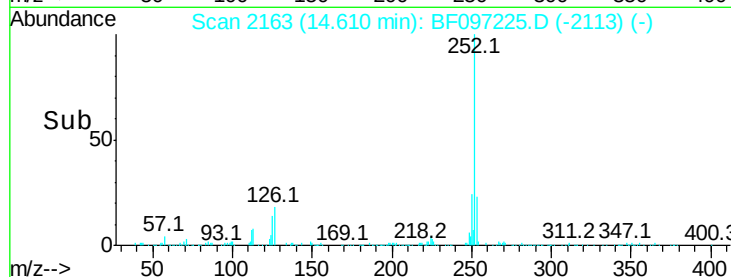
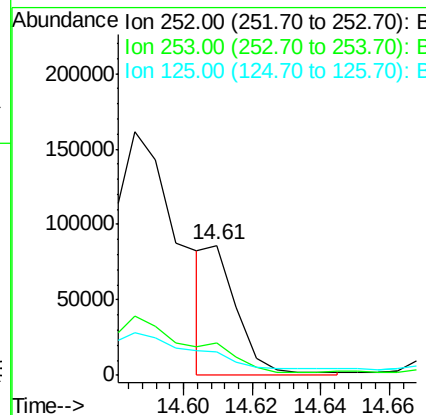
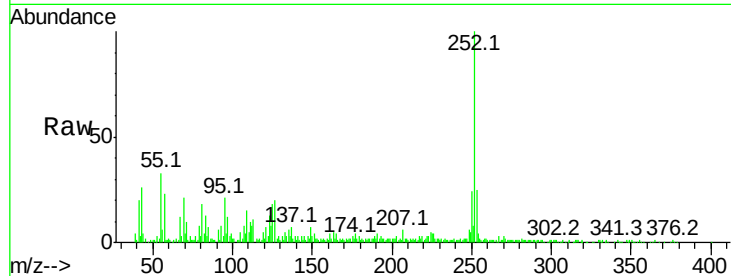
ClientSampleId :

TP-7-SS-3

Tot Ion:	252	Resp:	53865
Ion Ratio	Lower	Upper	
252	100		
253	24.5	18.4	27.6
125	18.2	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 13.571 ng/mL

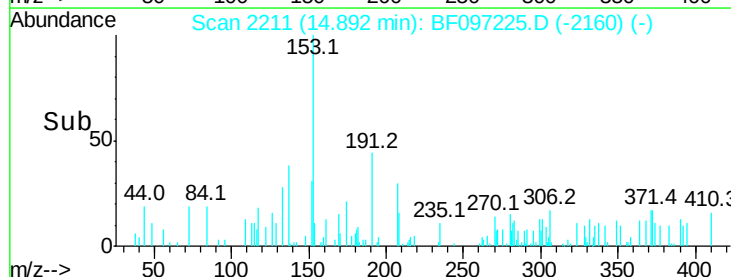
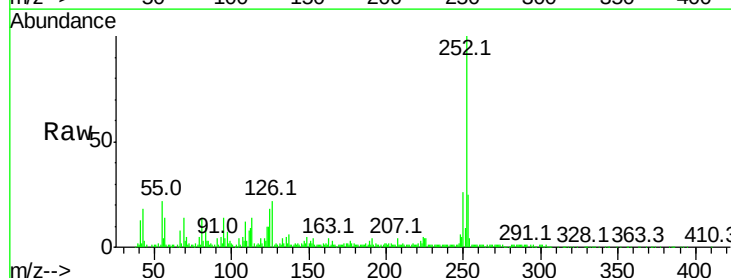
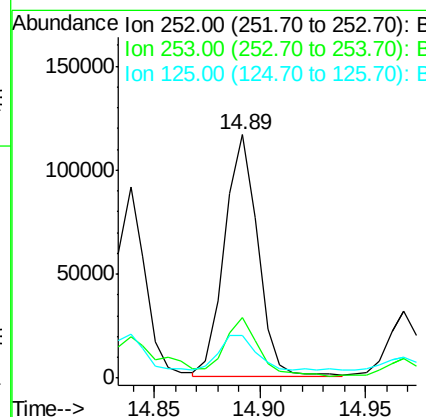
RT: 14.89 min Scan# 2211

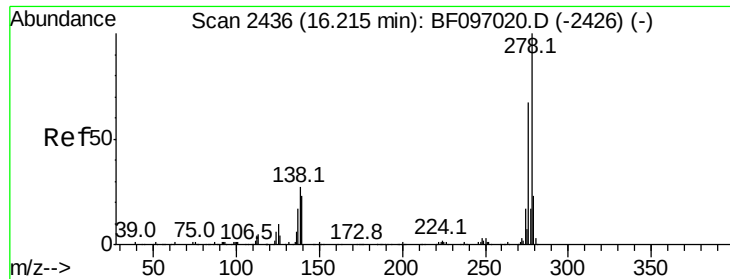
Delta R.T. 0.00 min

Lab File: BF097225.D

Acq: 1 Aug 2017 11:47

Tgt Ion:	252	Resp:	126171
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.5	26.3
125	17.6	11.0	16.4





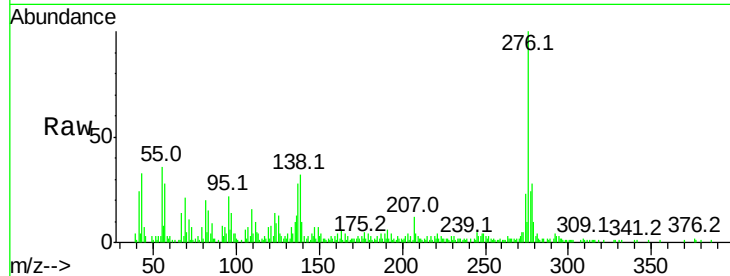
#90
Dibenzo(a,h)anthracene
Concen: 2.543 ng
RT: 16.16 min Scan# 2427
Delta R.T. -0.01 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

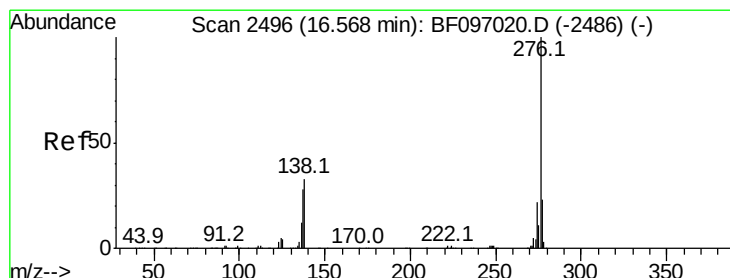
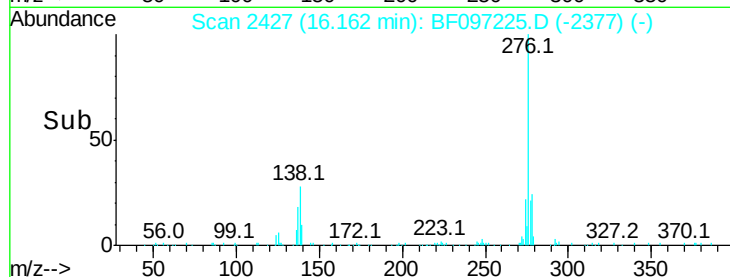
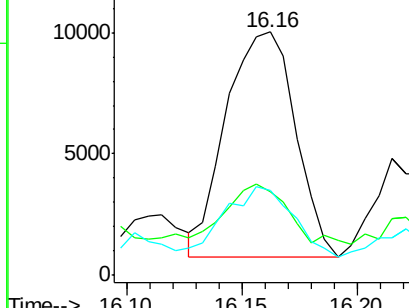
Tot Ion	Ratio	Lower	Upper
278	100		
139	34.2	16.6	24.8#
279	35.1	19.3	28.9#

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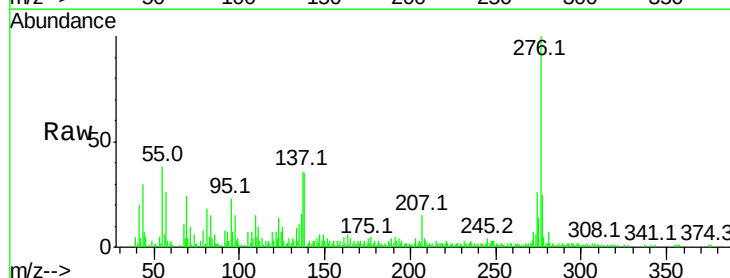


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 7.334 ng
RT: 16.52 min Scan# 2488
Delta R.T. 0.00 min
Lab File: BF097225.D
Acq: 1 Aug 2017 11:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	35.4	25.4	38.0



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

