

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097061.D
 Acq On : 26 Jul 2017 7:01
 Operator : SJ/JU
 Sample : I4370-07 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

Manual Integrations
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Quant Time: Jul 26 07:33:17 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	6.50	152	117336	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	471827	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	182767	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	251403	20.00	ng	0.00
75) Chrysene-d12	13.63	240	207972	20.00	ng	0.00
86) Perylene-d12	14.97	264	142657	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	216332	27.79	ng	0.00
7) Phenol-d6	6.16	99	257916	29.03	ng	-0.01
23) Nitrobenzene-d5	7.06	82	138189	17.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	36332	25.16	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	250933	23.30	ng	-0.01
78) Terphenyl-d14	12.58	244	144278	14.14	ng	0.00
Target Compounds						
70) Phenanthrene	11.02	178	165663	12.298	ng	97
71) Anthracene	11.07	178	32163	2.331	ng	98
74) Fluoranthene	12.20	202	254263	19.268	ng	97
77) Pyrene	12.43	202	252679	14.841	ng	98
80) Benzo(a)anthracene	13.62	228	97506	7.246	ng	97
82) Chrysene	13.64	228	94004	7.154	ng	96
85) Indeno(1,2,3-cd)pyrene	16.20	276	33875	3.007	ng	99
87) Benzo(b)fluoranthene	14.62	252	85284m	9.945	ng	
88) Benzo(k)fluoranthene	14.63	252	33474m	4.096	ng	
89) Benzo(a)pyrene	14.92	252	60578	7.718	ng	96
91) Benzo(g,h,i)perylene	16.56	276	30757	4.557	ng	95

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

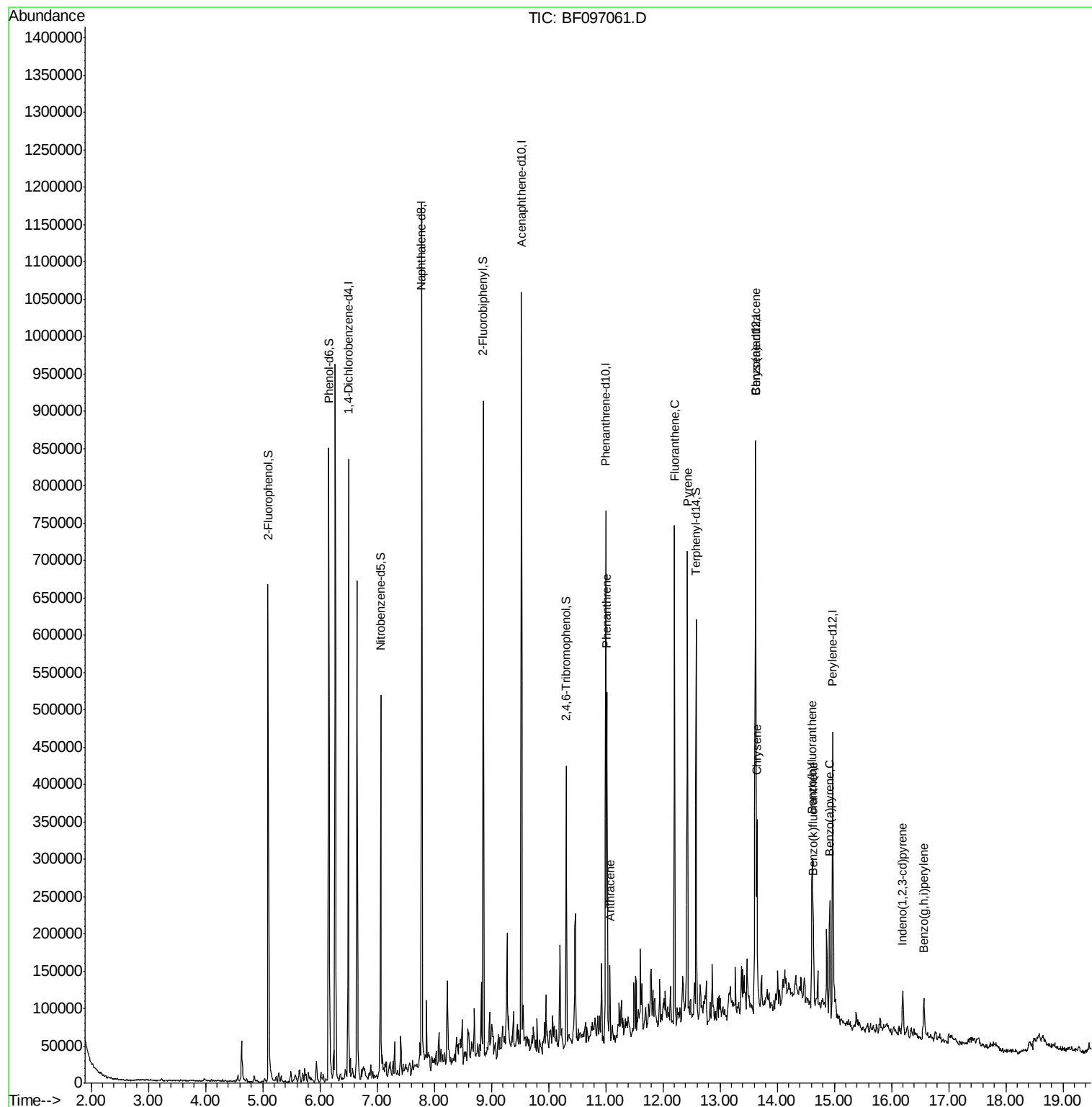
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097061.D
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Operator : SJ/JU
Sample : I4370-07 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

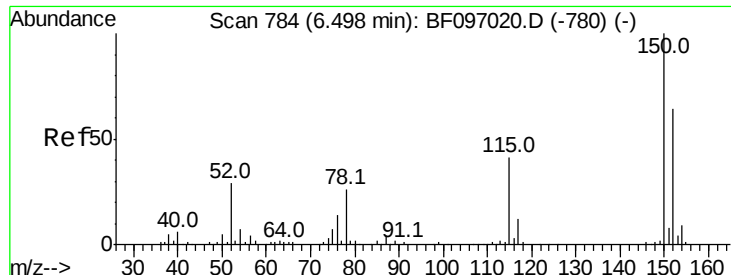
Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

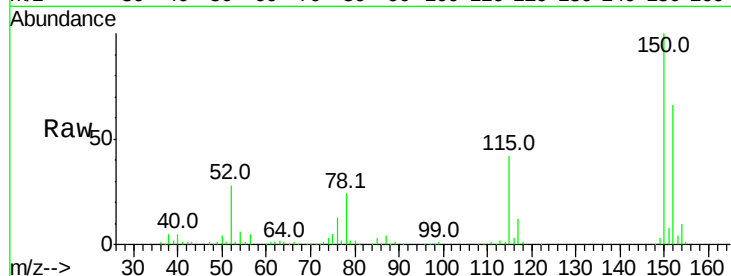
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampled :
E2-N5-SWSW

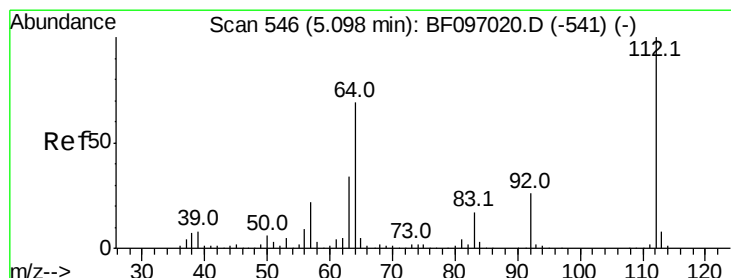
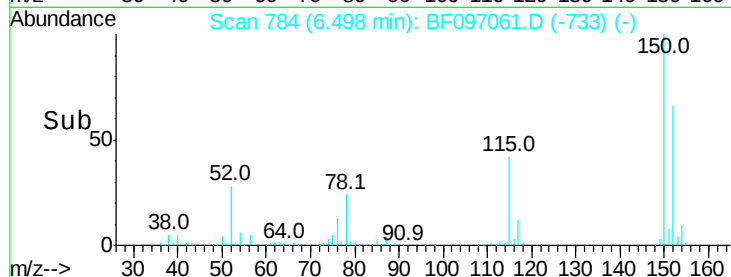
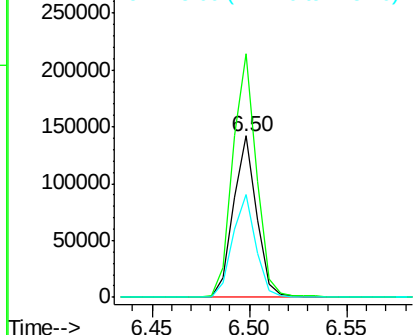
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	126.2	189.2
115	63.8	52.2	78.2

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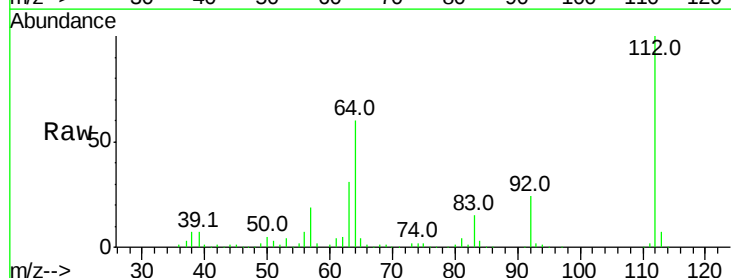
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



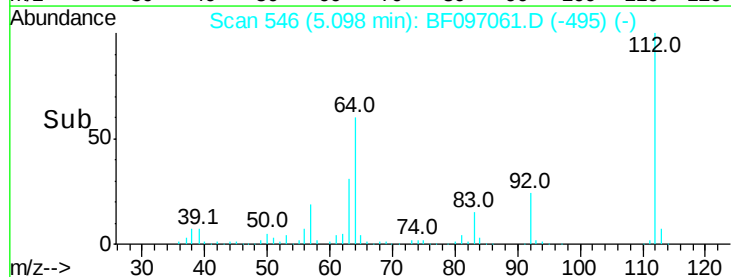
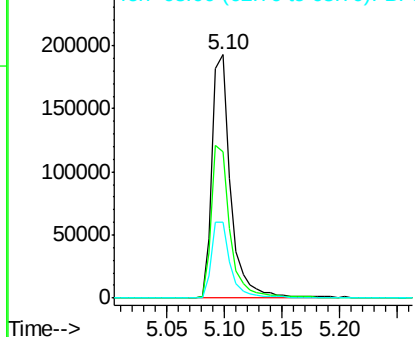
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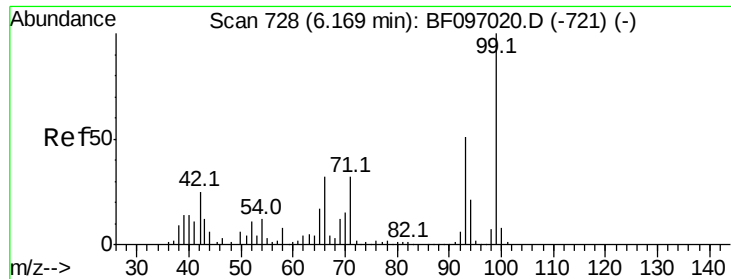
2-Fluorophenol
Concen: 27.794 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	46.0	69.0
63	31.5	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: 29.026 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

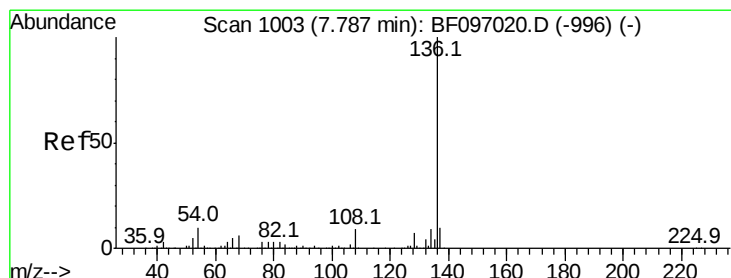
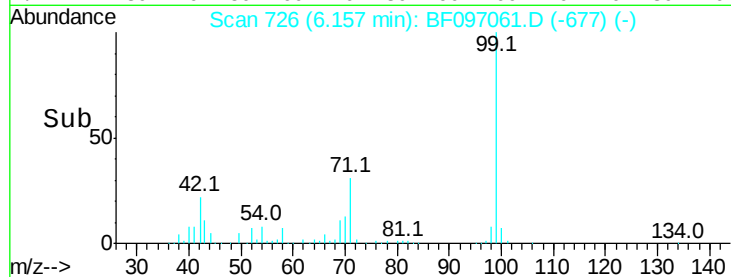
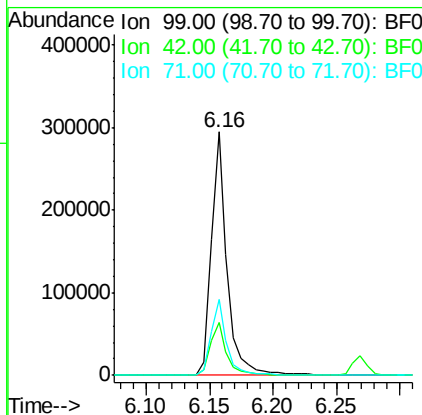
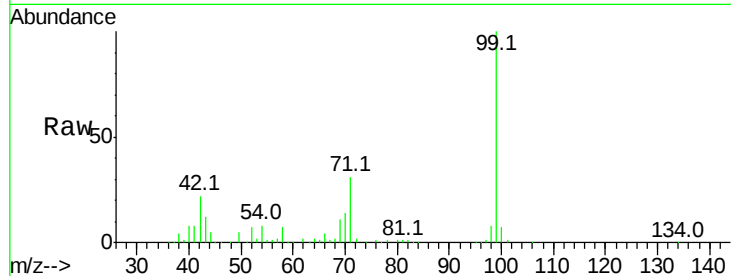
ClientSampleId :

E2-N5-SWSW

Tot Ion:	99	Resp:	257916
Ion Ratio	Lower	Upper	
99	100		
42	21.9	13.5	20.3#
71	31.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

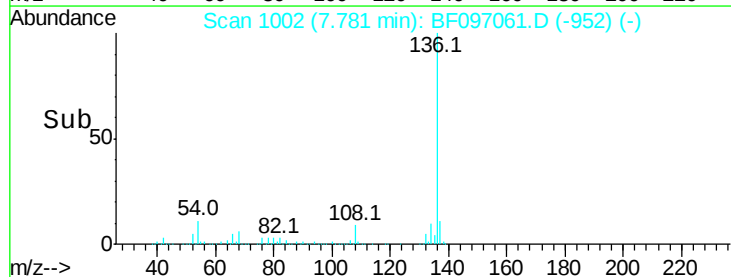
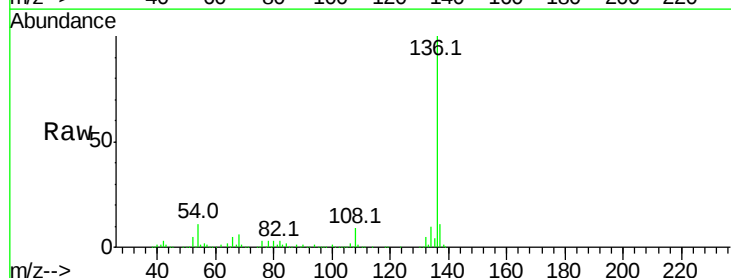
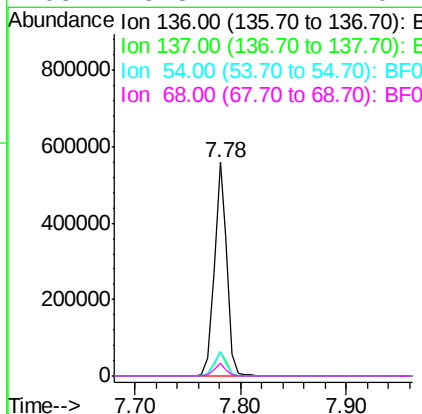
RT: 7.78 min Scan# 1002

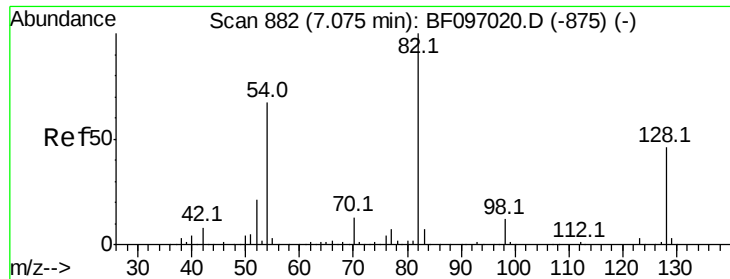
Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Tgt Ion:	136	Resp:	471827
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	11.1	4.9	7.3#
68	5.8	4.1	6.1





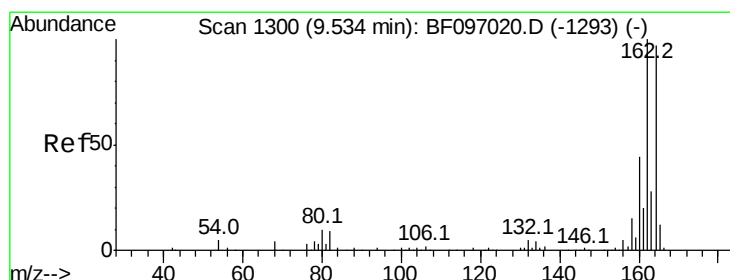
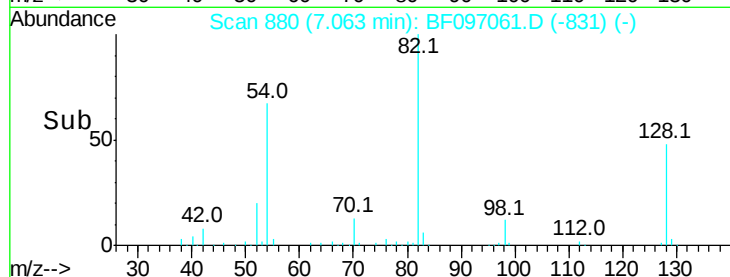
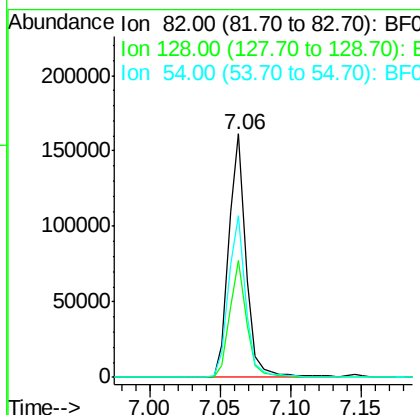
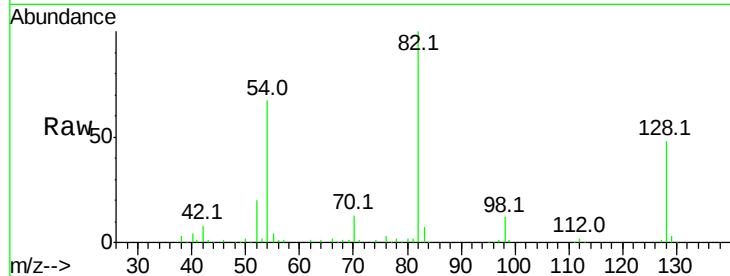
#23
 Nitrobenzene-d5
 Concen: 17.182 ng
 RT: 7.06 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	48.0	34.0	51.0
54	66.7	42.2	63.2

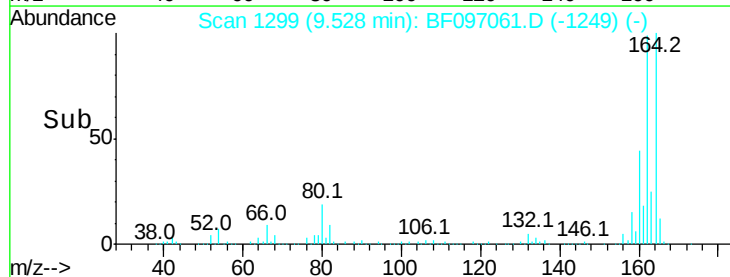
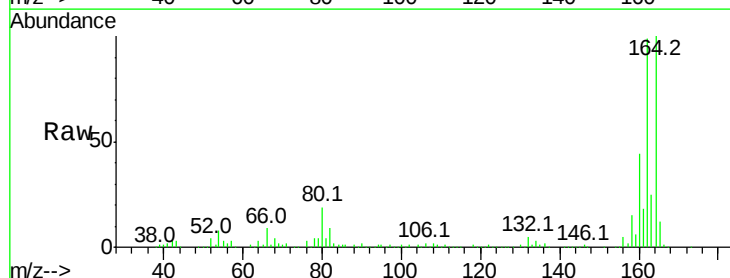
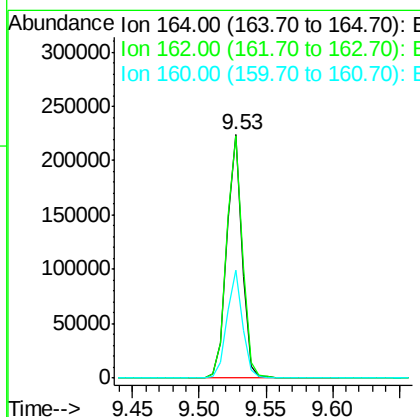
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	99.4	82.6	123.8
160	44.2	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 25.160 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

ClientSampled :

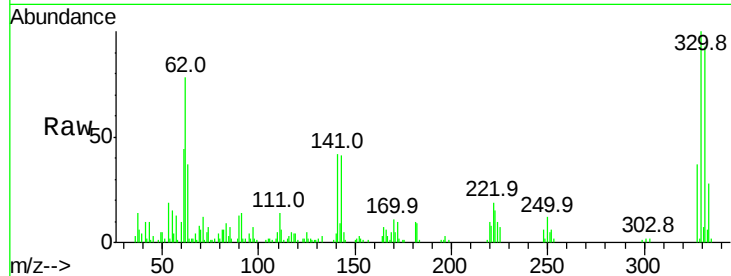
E2-N5-SWSW

Tot Ion:	330	Resp:	36332
Ion Ratio	Lower	Upper	
330	100		
332	93.4	76.6	115.0
141	43.0	31.4	47.2

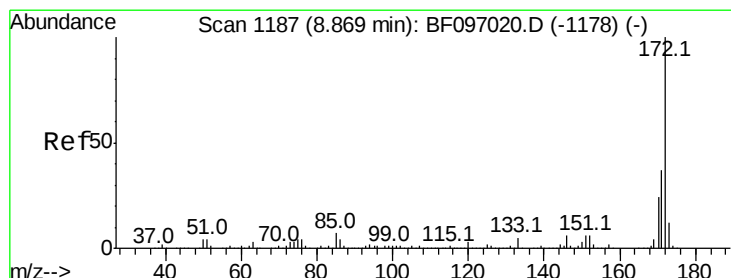
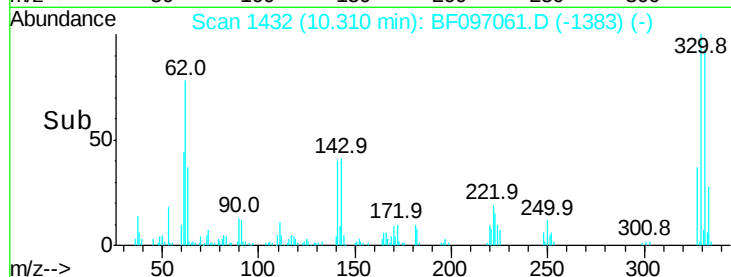
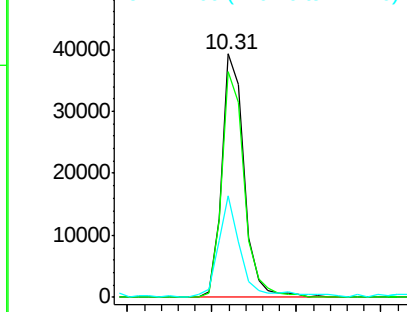
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 23.301 ng

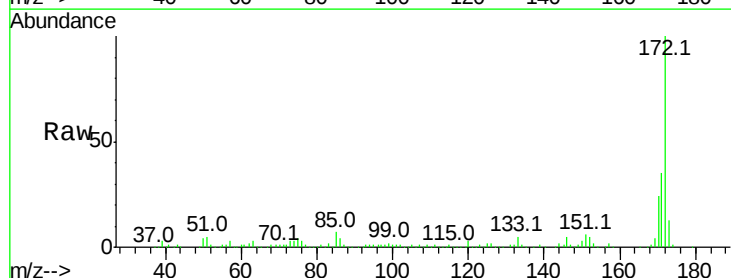
RT: 8.86 min Scan# 1185

Delta R.T. -0.01 min

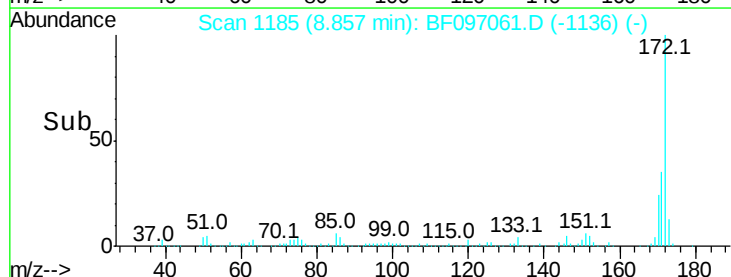
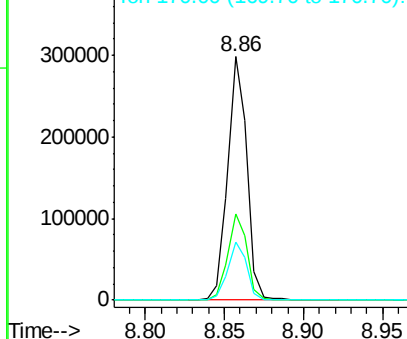
Lab File: BF097061.D

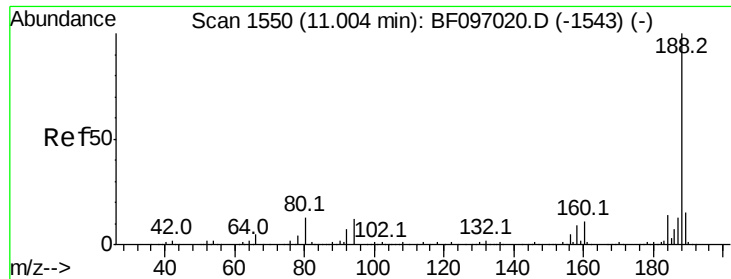
Acq: 26 Jul 2017 7:01

Tgt Ion:	172	Resp:	250933
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.6	44.4
170	23.8	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.00 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

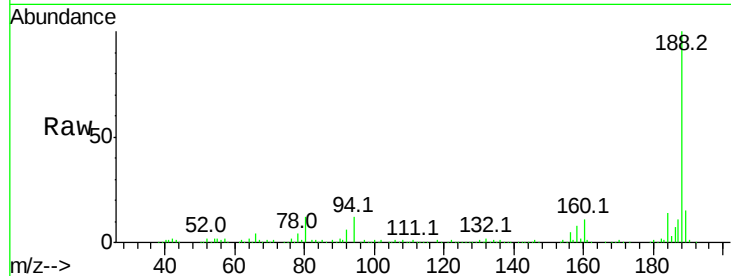
ClientSampleId :

E2-N5-SWSW

Tot Ion:	188	Resp:	251403
Ion Ratio	Lower	Upper	
188	100		
94	11.6	9.4	14.2
80	11.9	10.2	15.2

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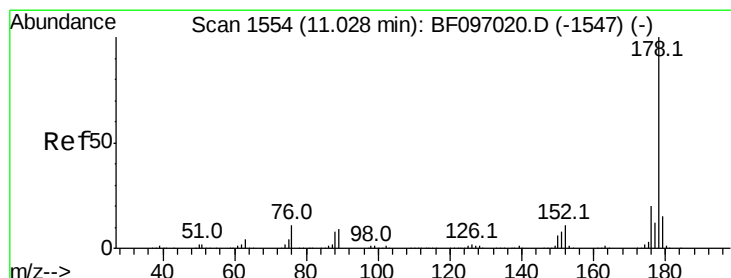
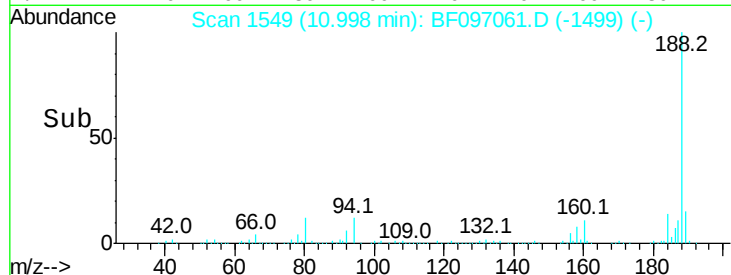
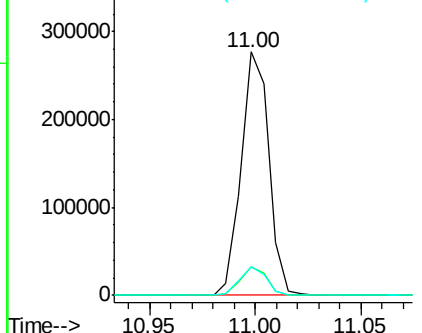
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 12.298 ng

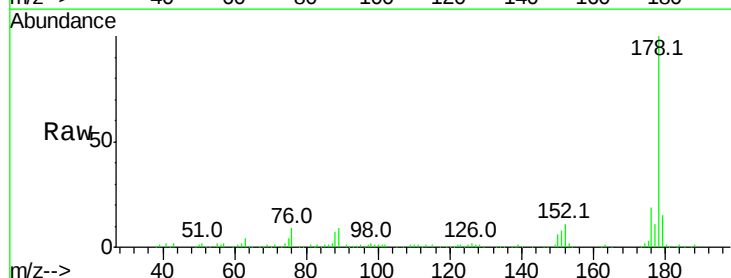
RT: 11.02 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

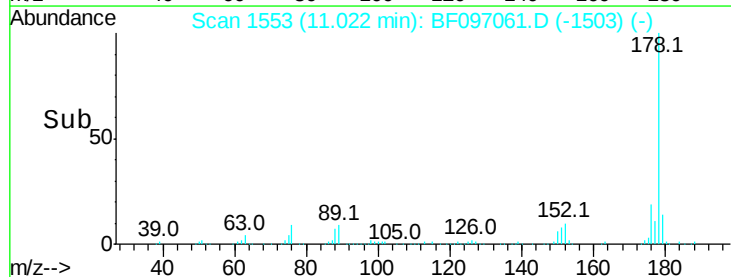
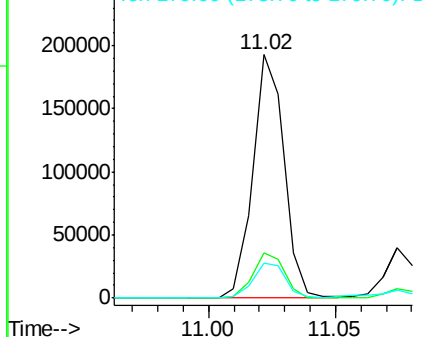
Tgt Ion:	178	Resp:	165663
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.2	24.4
179	14.6	12.6	19.0

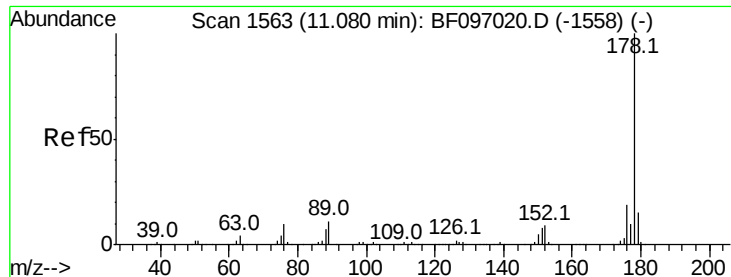


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





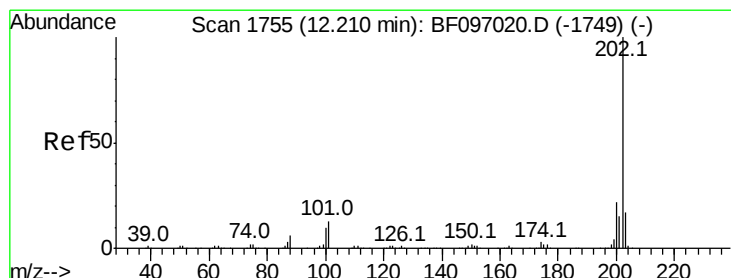
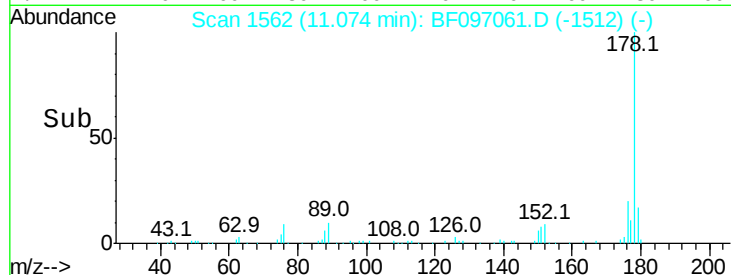
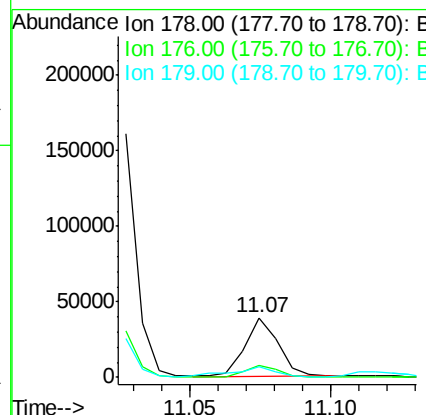
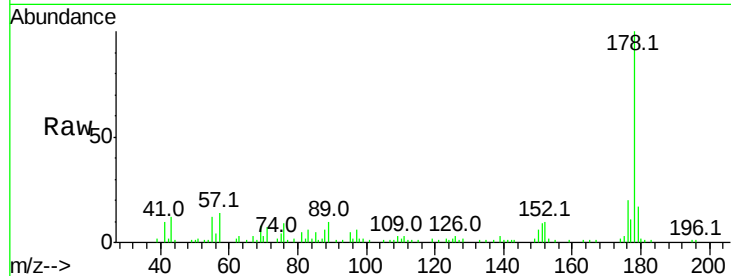
#71
 Anthracene
 Concen: 2.331 ng
 RT: 11.07 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	17.5	12.7	19.1

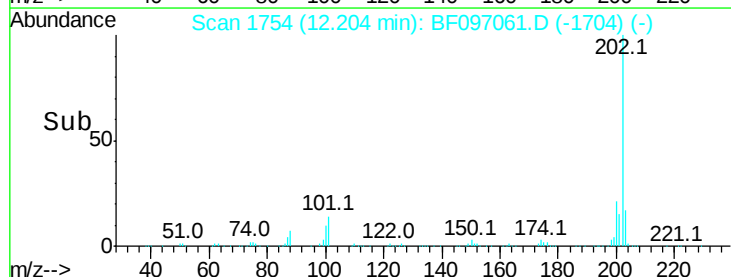
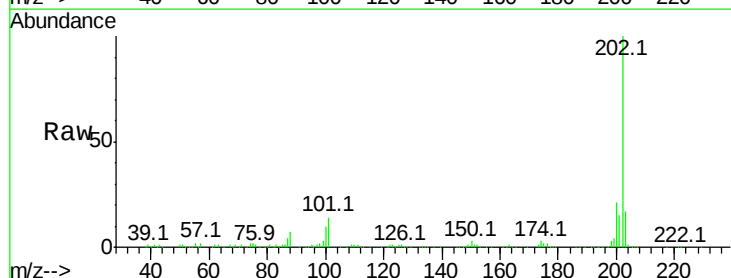
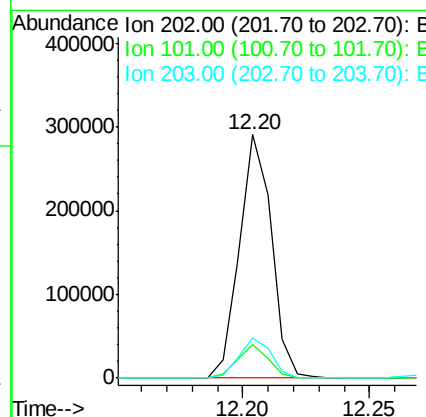
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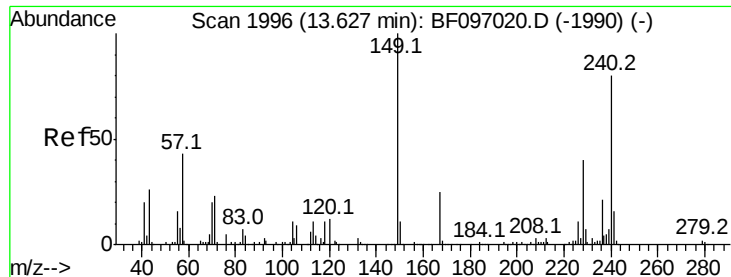
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#74
 Fluoranthene
 Concen: 19.268 ng
 RT: 12.20 min Scan# 1754
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	16.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

Instrument :

BNA_F

ClientSampleId :

E2-N5-SWSW

Tot Ion:240 Resp: 207972

Ion Ratio Lower Upper

240 100

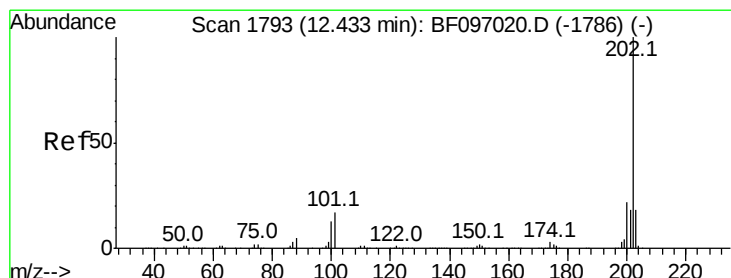
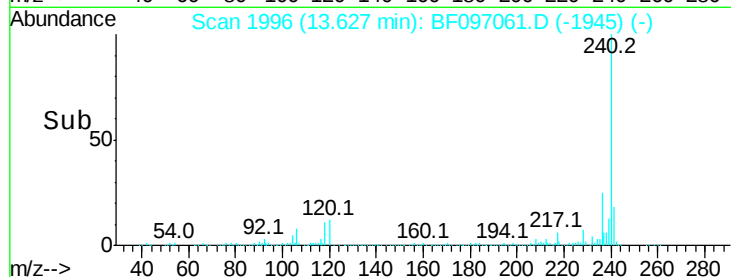
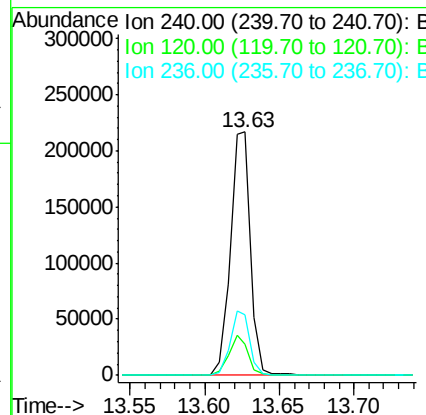
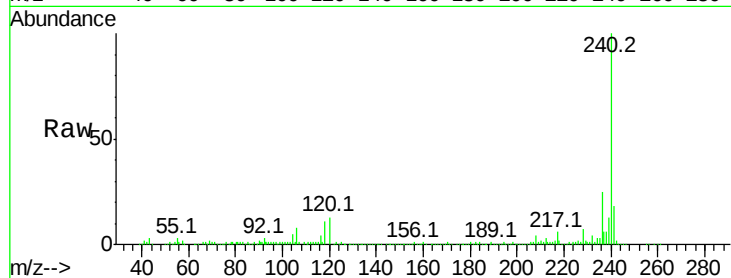
120 12.7 5.8 8.8#

236 25.1 20.5 30.7

Manual Integrations
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#77

Pyrene

Concen: 14.841 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097061.D

Acq: 26 Jul 2017 7:01

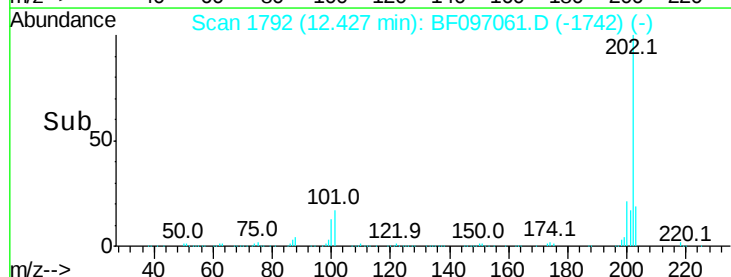
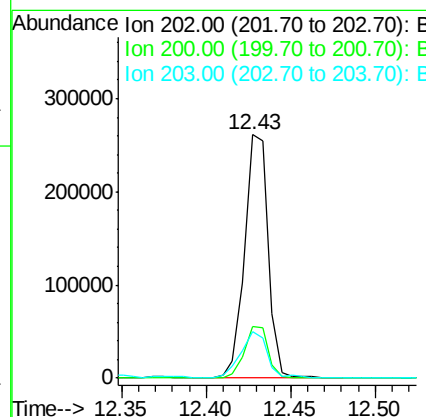
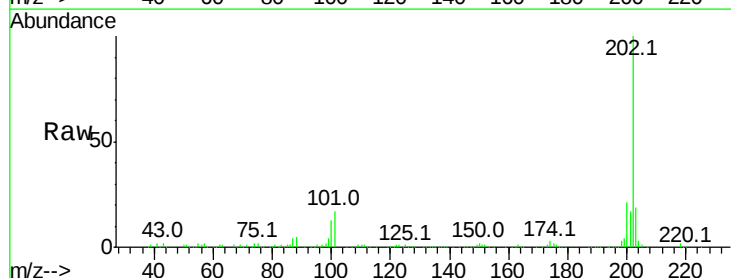
Tgt Ion:202 Resp: 252679

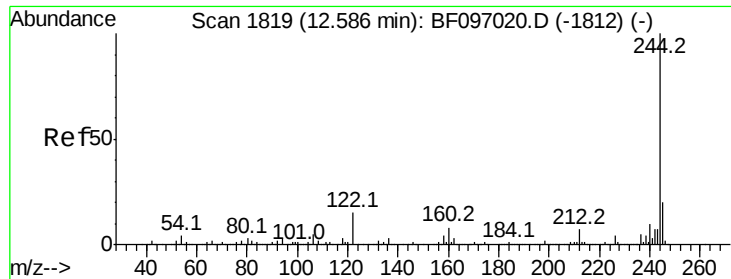
Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

203 19.2 14.4 21.6





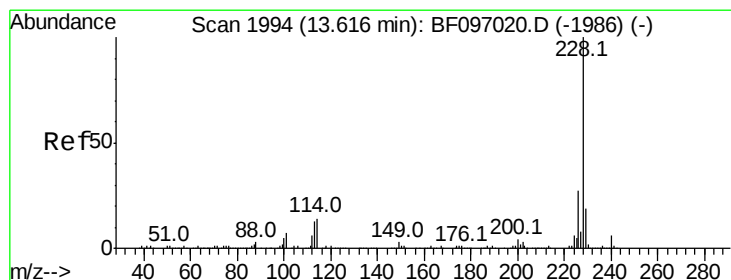
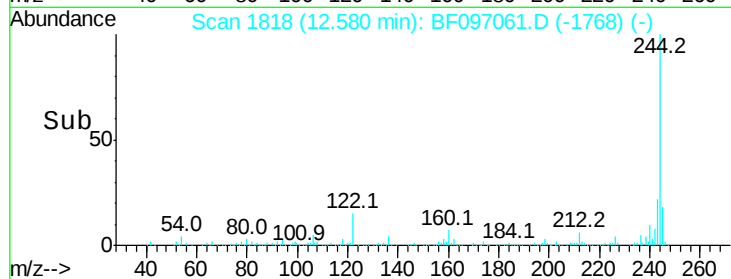
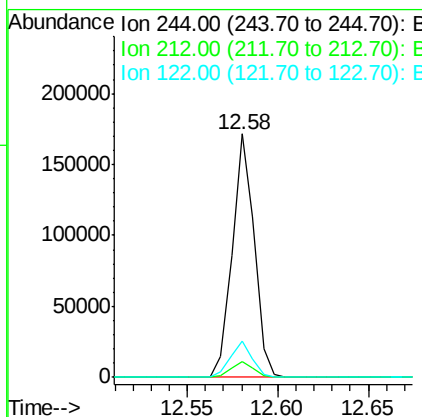
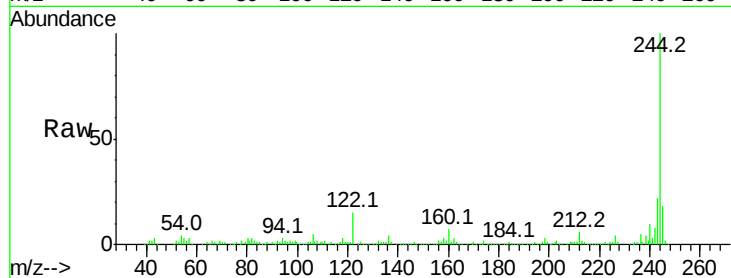
#78
 Terphenyl-d14
 Concen: 14.144 ng
 RT: 12.58 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	6.0	9.0
122	15.1	10.3	15.5

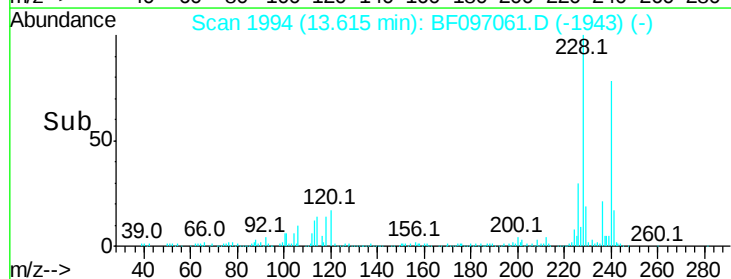
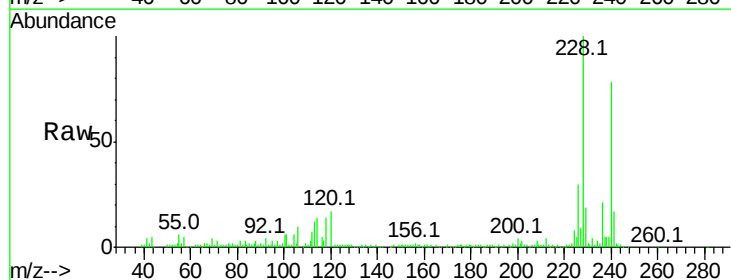
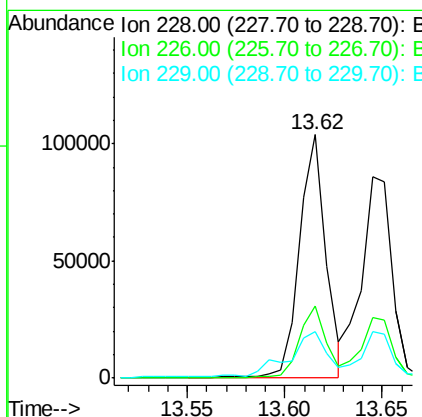
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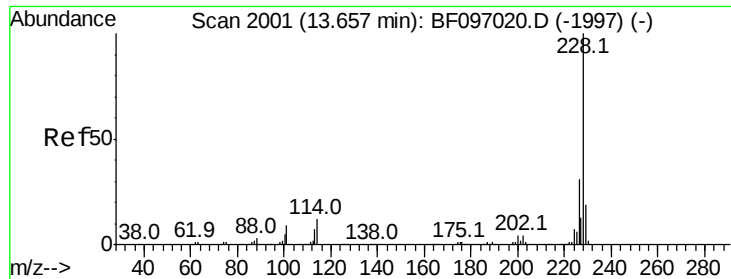
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#80
 Benzo(a)anthracene
 Concen: 7.246 ng
 RT: 13.62 min Scan# 1994
 Delta R.T. -0.00 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.6	33.8
229	19.2	16.3	24.5





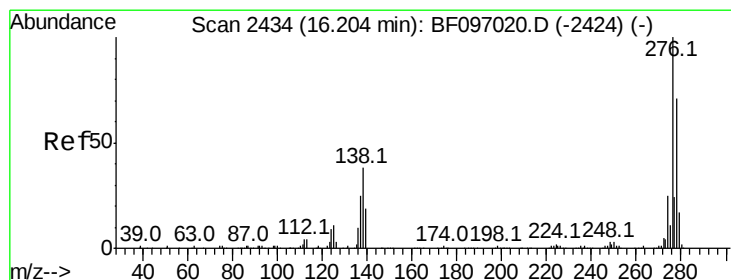
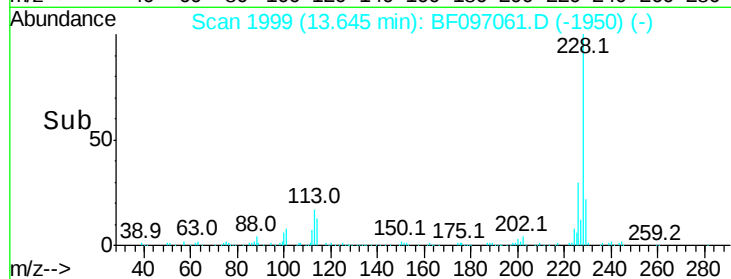
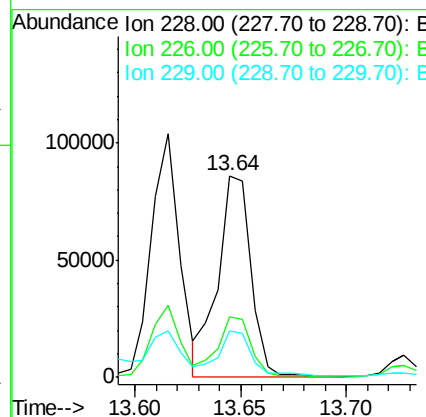
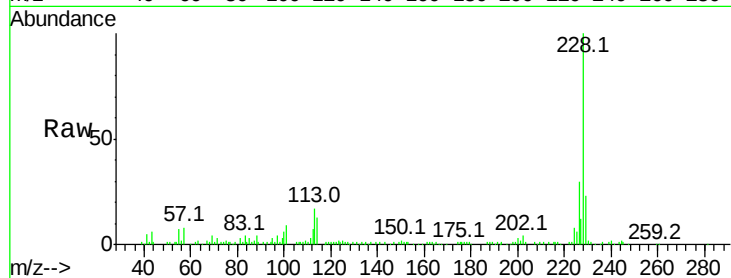
#82
Chrysene
Concen: 7.154 ng
RT: 13.64 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	23.0	15.8	23.6

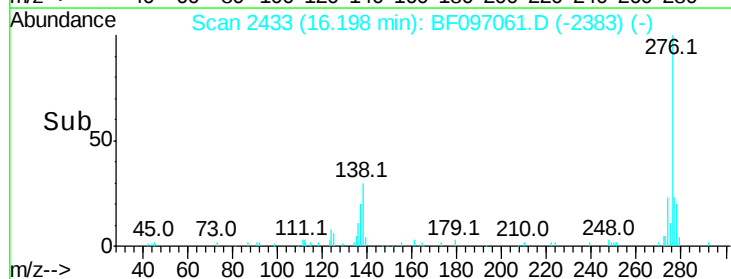
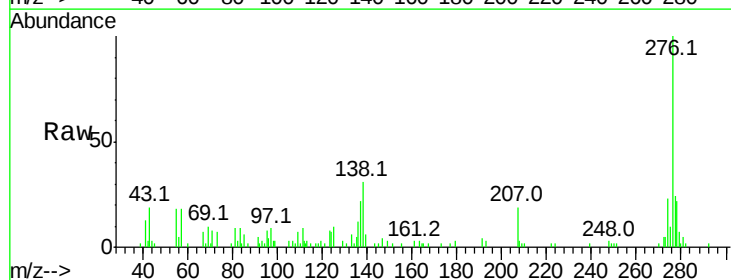
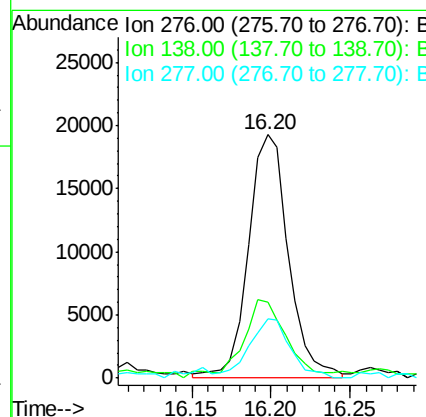
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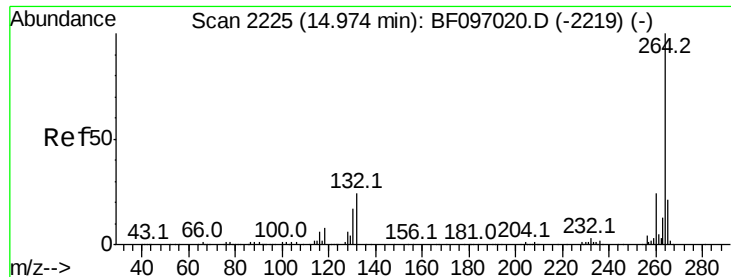
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.007 ng
RT: 16.20 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.7	27.8	41.6
277	25.2	20.2	30.4





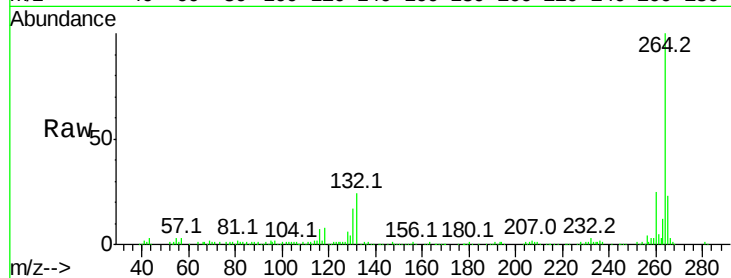
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 14.97 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

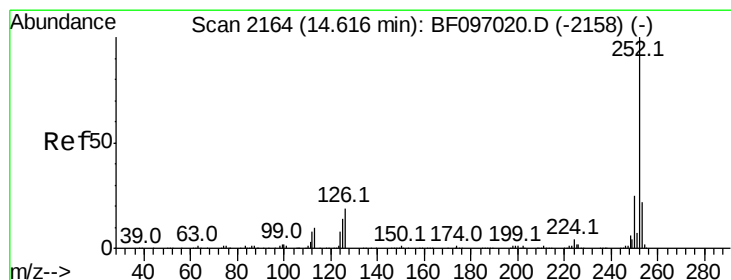
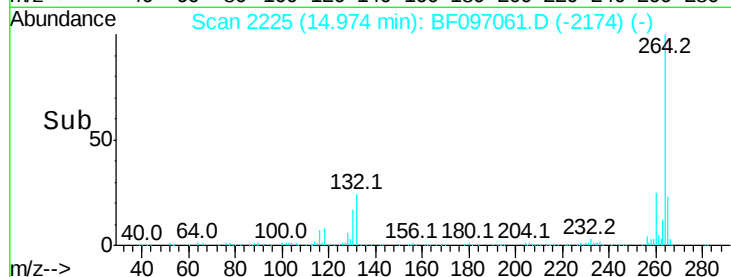
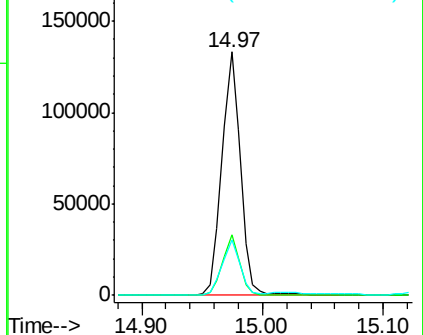
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.6	17.2	25.8

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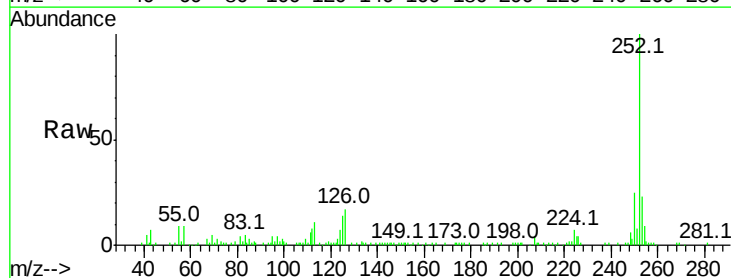


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

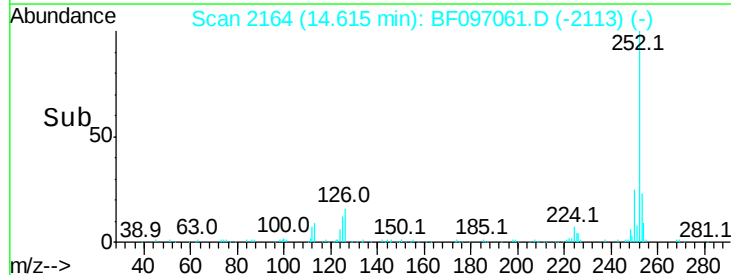
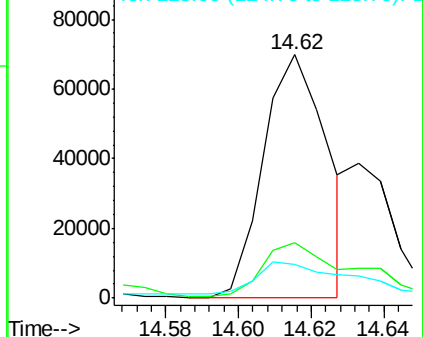


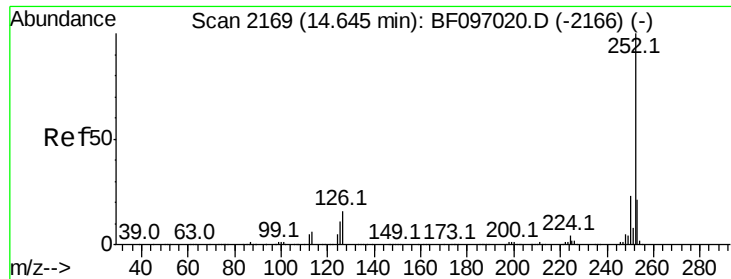
#87
 Benzo(b)fluoranthene
 Concen: 9.945 ng m
 RT: 14.62 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.7	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





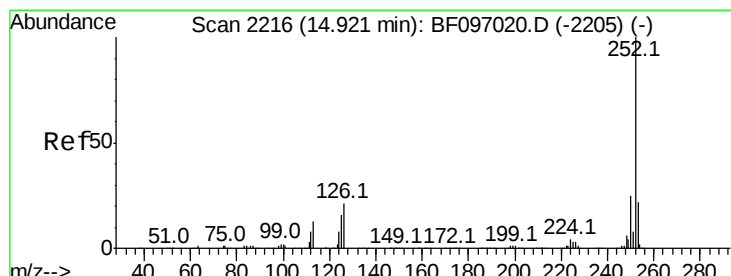
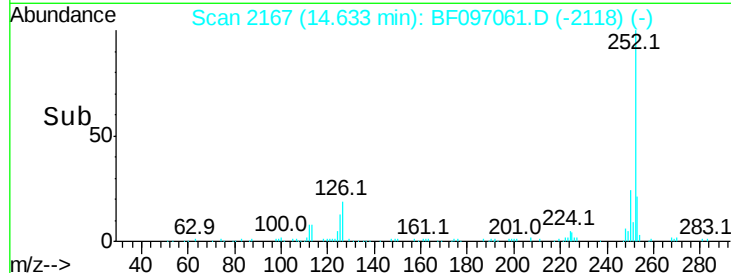
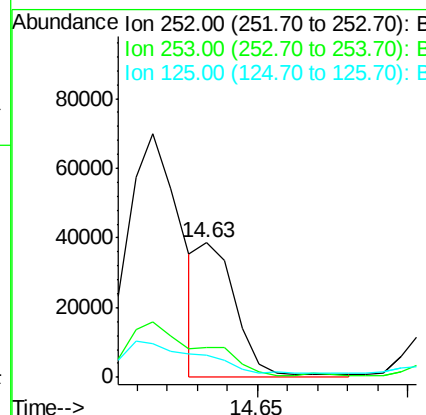
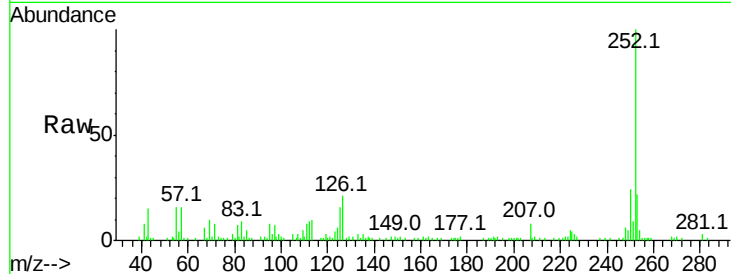
#88
Benzo(k)fluoranthene
Concen: 4.096 ng m
RT: 14.63 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Instrument :
BNA_F
ClientSampleId :
E2-N5-SWSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	16.4	13.1	19.7

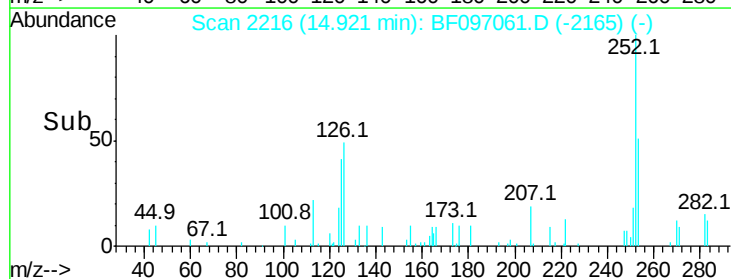
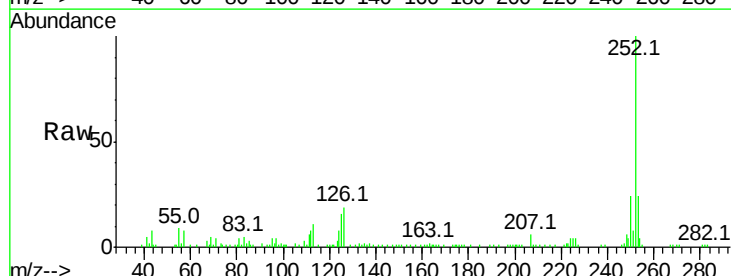
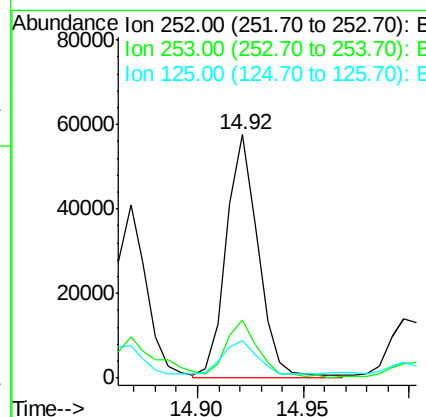
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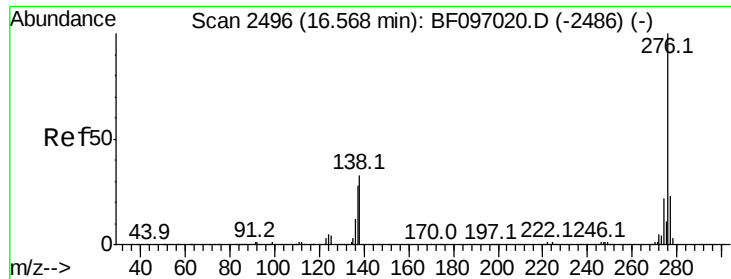
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#89
Benzo(a)pyrene
Concen: 7.718 ng
RT: 14.92 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097061.D
Acq: 26 Jul 2017 7:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	15.5	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.557 ng
 RT: 16.56 min Scan# 2495
 Delta R.T. -0.01 min
 Lab File: BF097061.D
 Acq: 26 Jul 2017 7:01

Instrument :
 BNA_F
 ClientSampleId :
 E2-N5-SWSW

Tot Ion:	276	Resp:	30757
Ion Ratio	Lower	Upper	
276	100		
277	22.7	18.6	28.0
138	36.4	25.4	38.0

Manual Integrations
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