

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097190.D
 Acq On : 29 Jul 2017 8:38
 Operator : SJ/JU
 Sample : I4421-10
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-WSW

Manual Integrations
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 7/31/2017 6:53:08 PM

Quant Time: Jul 31 16:22:22 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	95650	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	368724	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	117460	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	194378	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	187330	20.00	ng	-0.02
86) Perylene-d12	14.96	264	127735	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	569240	89.71	ng	-0.01
7) Phenol-d6	6.15	99	711478	98.22	ng	-0.02
23) Nitrobenzene-d5	7.05	82	361883	57.58	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	82432	88.82	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	518023	74.85	ng	-0.02
78) Terphenyl-d14	12.57	244	345096	37.56	ng	-0.02
Target Compounds						
10) Phenol	6.16	94	26422	3.075	ng	Qvalue 81
49) Dimethylphthalate	9.25	163	90858	10.186	ng	98
70) Phenanthrene	11.01	178	67977	6.527	ng	97
74) Fluoranthene	12.19	202	181771	17.816	ng	99
77) Pyrene	12.42	202	202598	13.211	ng	99
80) Benzo(a)anthracene	13.60	228	124985	10.311	ng	98
82) Chrysene	13.64	228	132534	11.198	ng	97
85) Indeno(1,2,3-cd)pyrene	16.18	276	45224	4.456	ng	94
87) Benzo(b)fluoranthene	14.60	252	132956m	17.315	ng	
88) Benzo(k)fluoranthene	14.63	252	29702m	4.059	ng	
89) Benzo(a)pyrene	14.91	252	93604	13.320	ng	# 96
90) Dibenzo(a,h)anthracene	16.18	278	13976m	2.425	ng	
91) Benzo(a,h,i)perylene	16.54	276	46402	7.678	ng	95

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

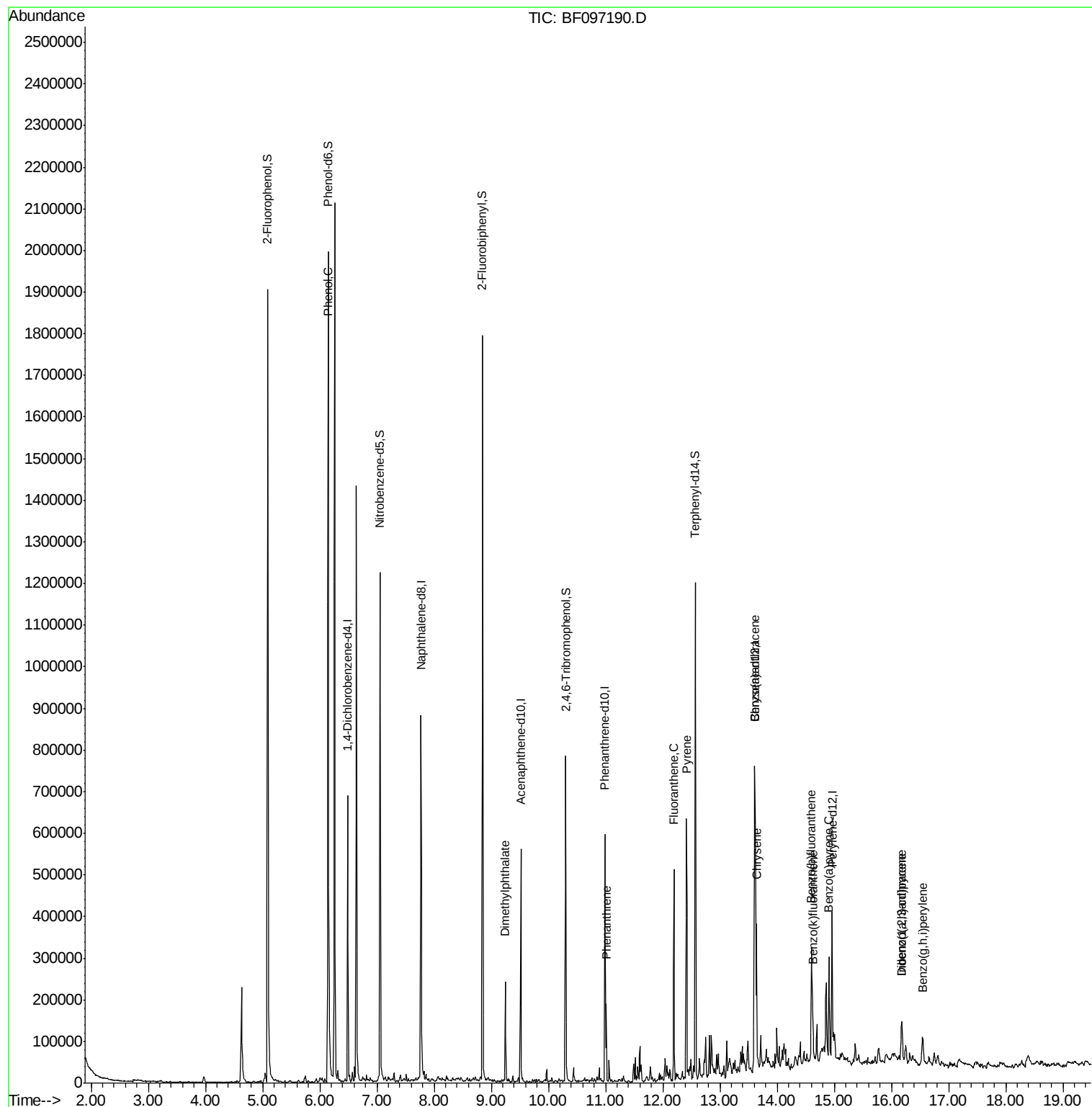
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
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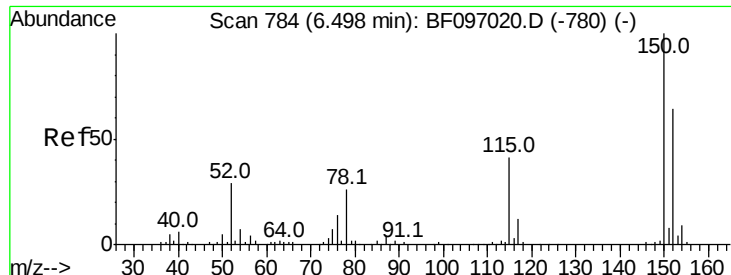
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#1

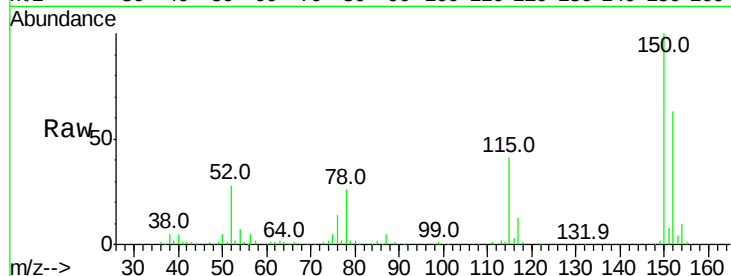
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Instrument :
BNA_F
ClientSampleId :
E2-HS5-WSW

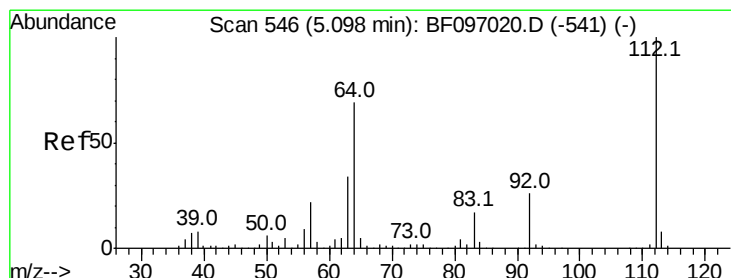
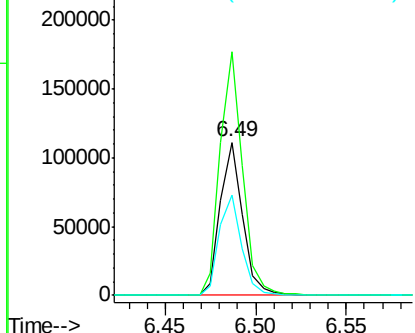
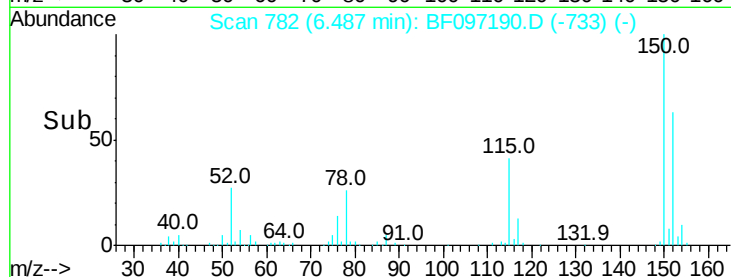
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	126.2	189.2
115	65.6	52.2	78.2

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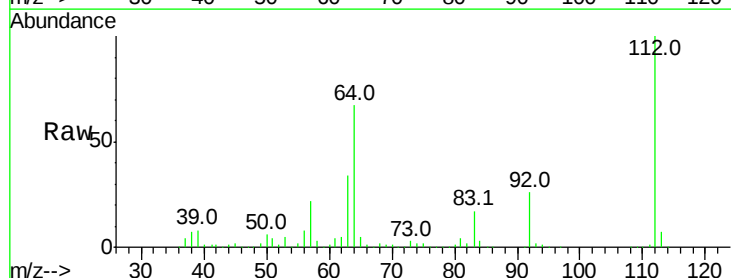
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



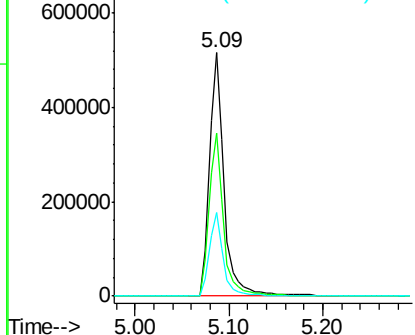
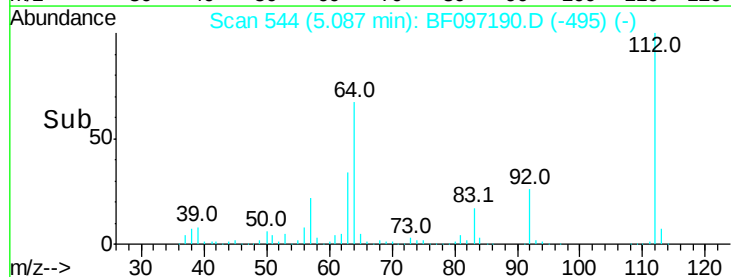
#5

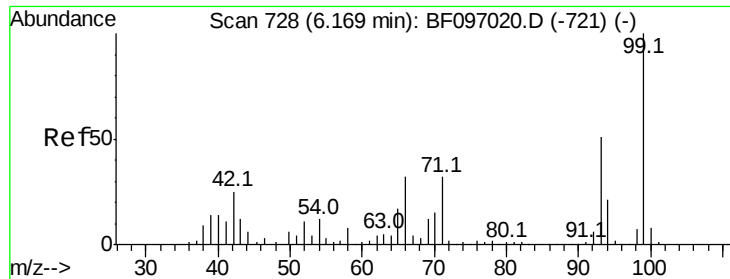
2-Fluorophenol
Concen: 89.715 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.0	69.0
63	34.2	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 98.222 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097190.D

Acq: 29 Jul 2017 8:38

Instrument :

BNA_F

ClientSampleId :

E2-HS5-WSW

Tot Ion: 99 Resp: 711478

Ion Ratio Lower Upper

99 100

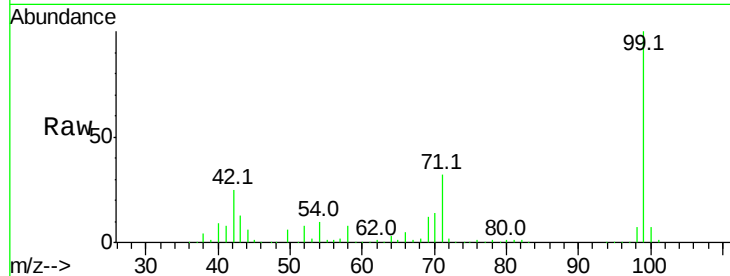
42 24.5 13.5 20.3#

71 31.9 24.5 36.7

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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

800000

600000

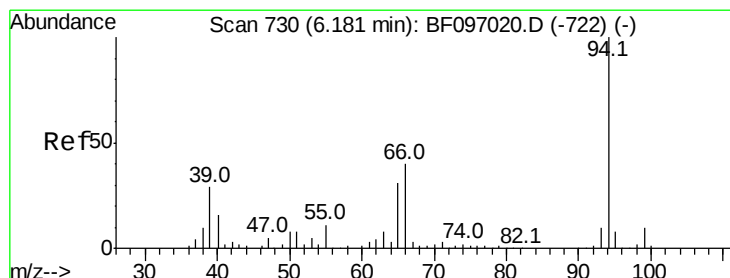
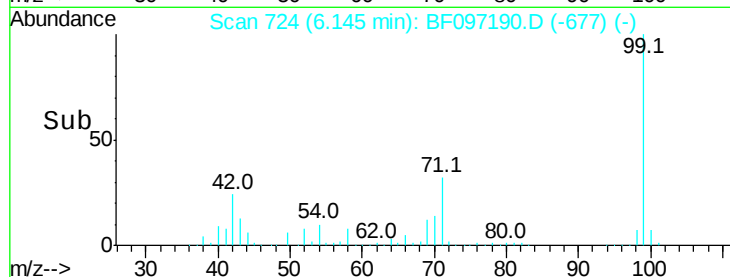
400000

200000

0

6.10 6.15 6.20 6.30

Time-->



#10

Phenol

Concen: 3.075 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF097190.D

Acq: 29 Jul 2017 8:38

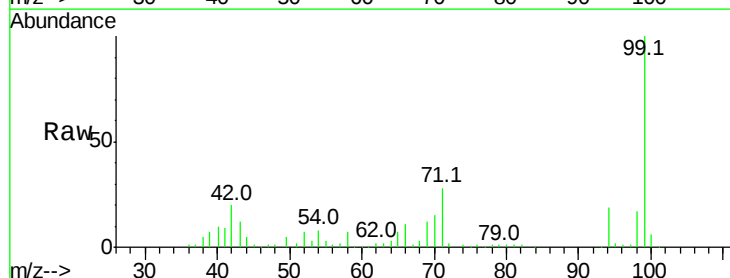
Tgt Ion: 94 Resp: 26422

Ion Ratio Lower Upper

94 100

65 35.7 9.9 49.9

66 58.7 23.1 63.1



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

200000

150000

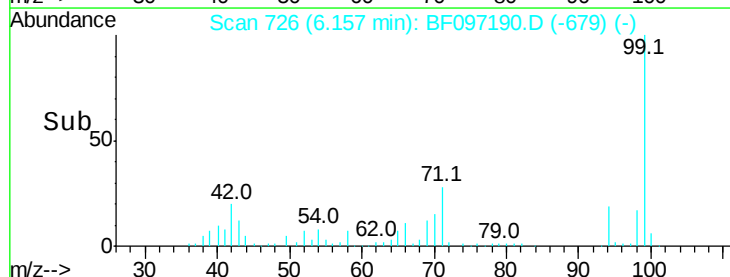
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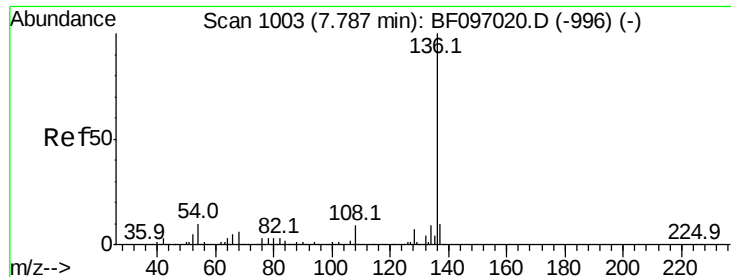
50000

0

6.10 6.15 6.20 6.25

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097190.D

Acq: 29 Jul 2017 8:38

Instrument :

BNA_F

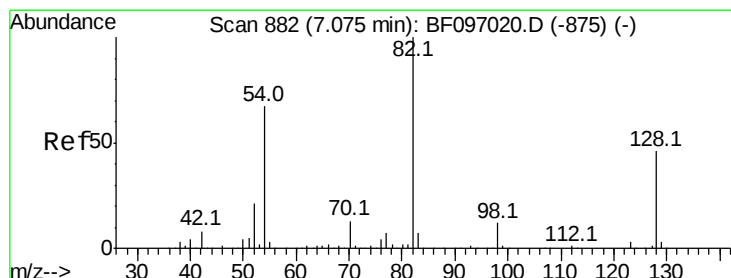
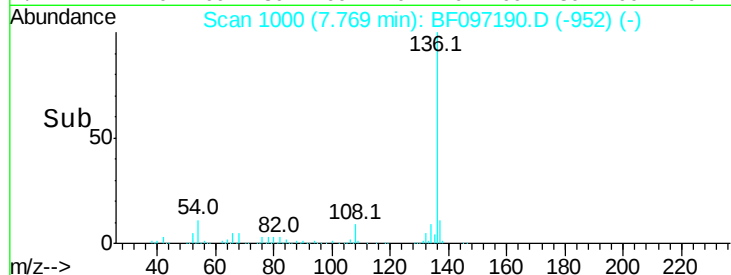
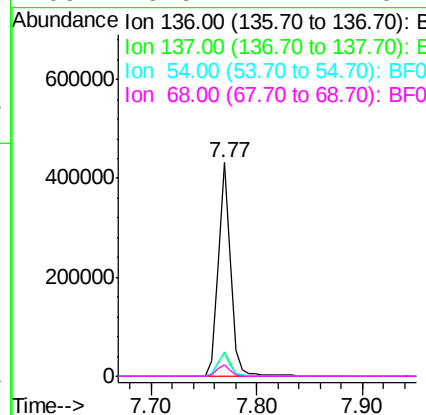
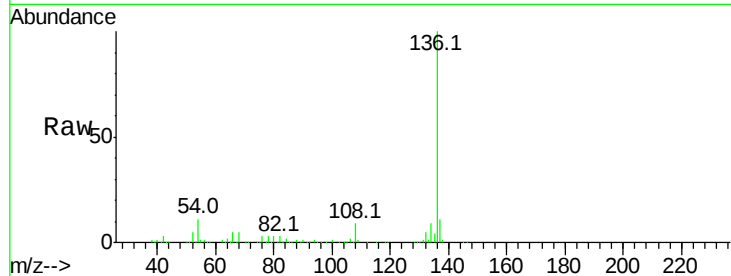
ClientSampleId :

E2-HS5-WSW

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	10.9	4.9	7.3#
68	5.5	4.1	6.1

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#23

Nitrobenzene-d5

Concen: 57.576 ng

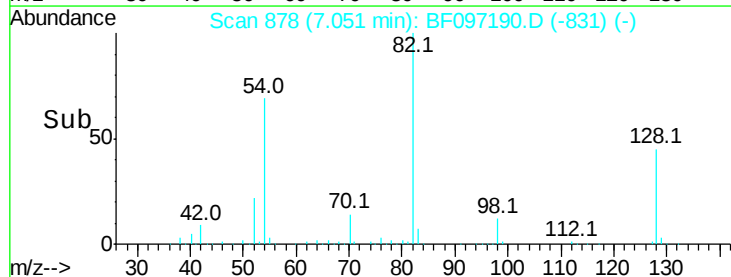
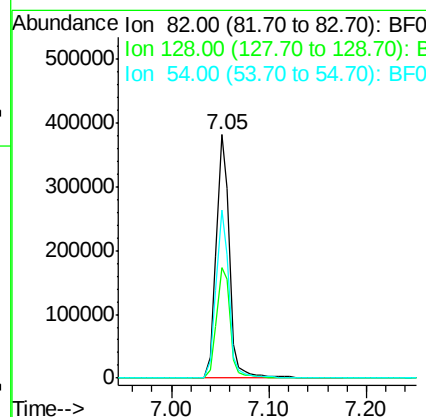
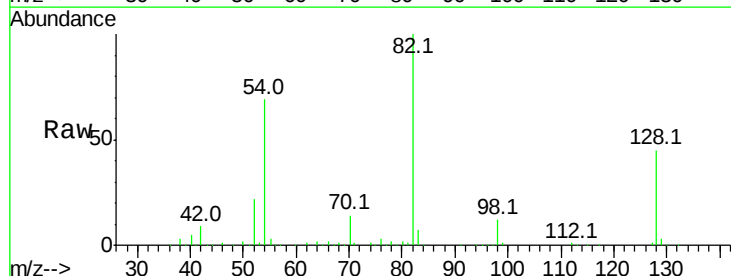
RT: 7.05 min Scan# 878

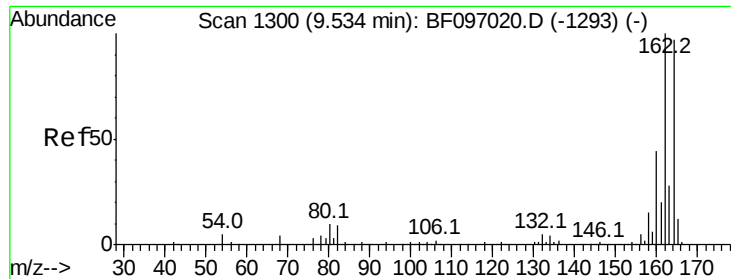
Delta R.T. -0.02 min

Lab File: BF097190.D

Acq: 29 Jul 2017 8:38

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.1	34.0	51.0
54	69.1	42.2	63.2#





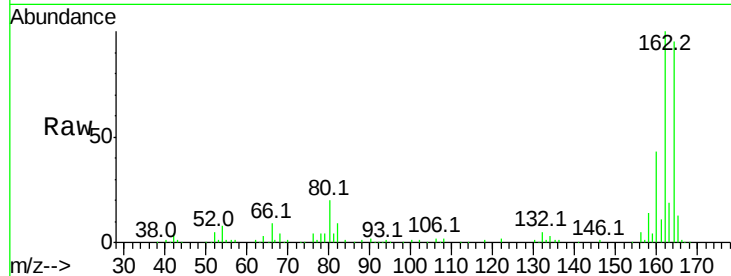
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Instrument :
BNA_F
ClientSampleId :
E2-HS5-WSW

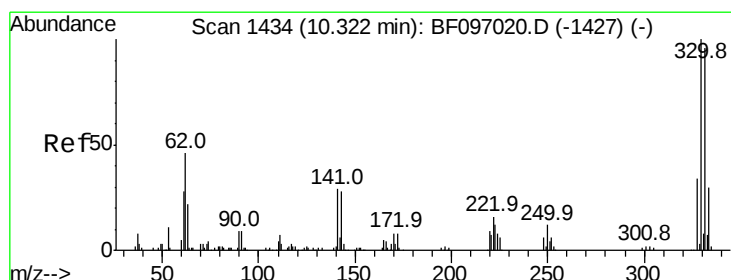
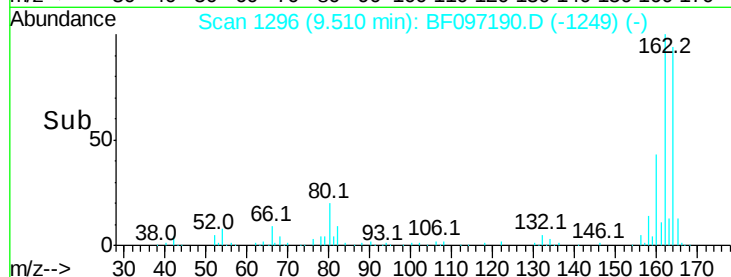
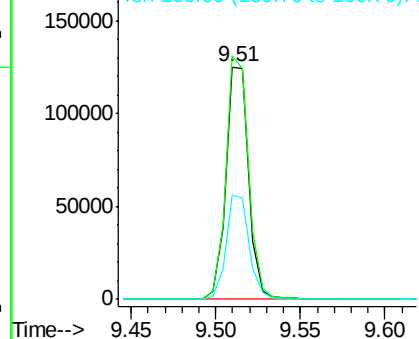
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.9	82.6	123.8	
160	44.9	36.2	54.2	

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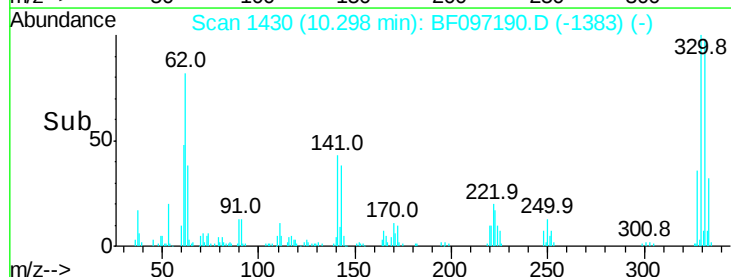
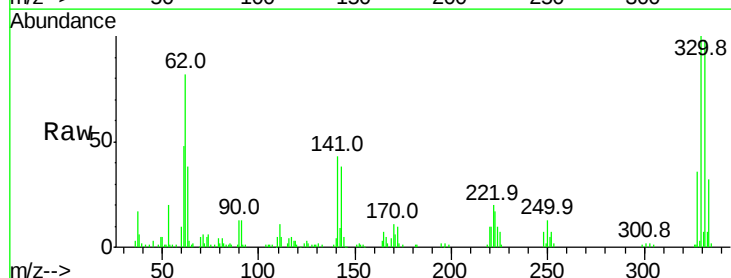
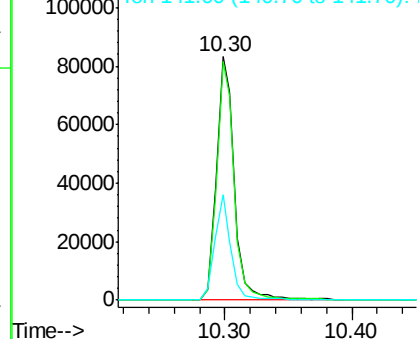
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

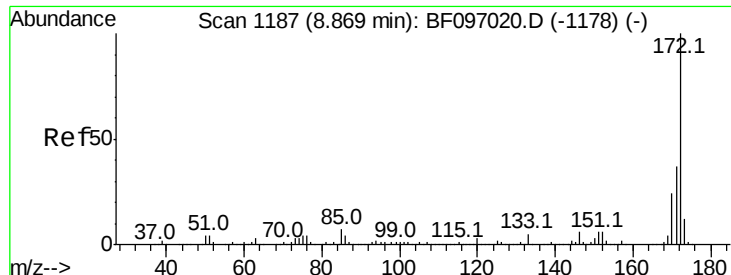


#41
2,4,6-Tribromophenol
Concen: 88.823 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.6	115.0	
141	39.5	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





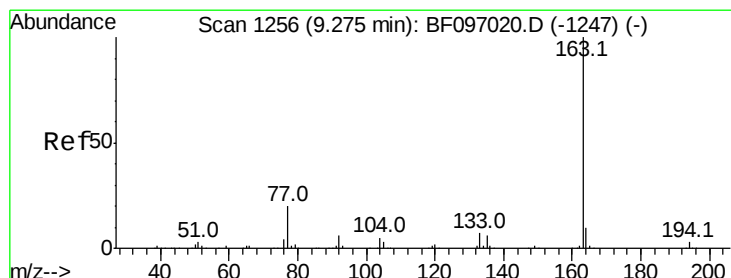
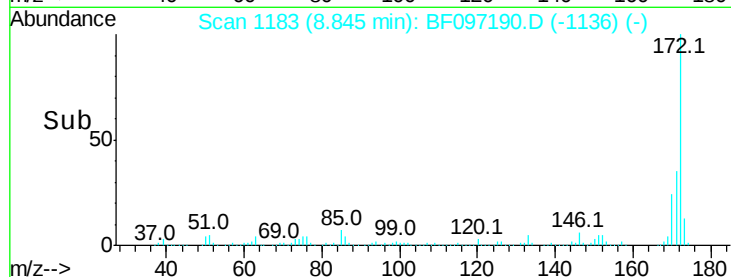
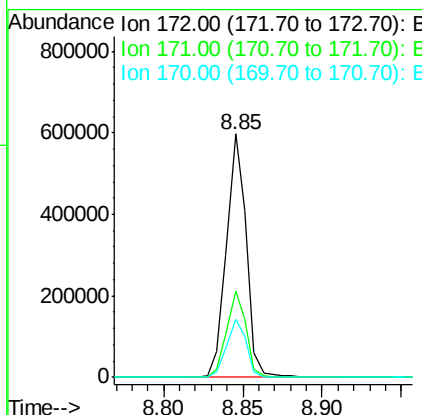
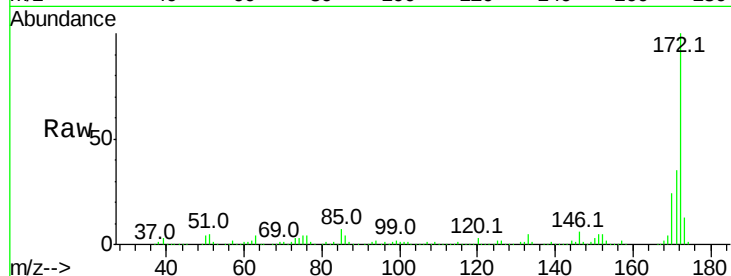
#44
2-Fluorobiphenyl
Concen: 74.845 ng
RT: 8.85 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Instrument :
BNA_F
ClientSampleId :
E2-HS5-WSW

Tot Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.5	29.6	44.4
170	24.0	19.8	29.8

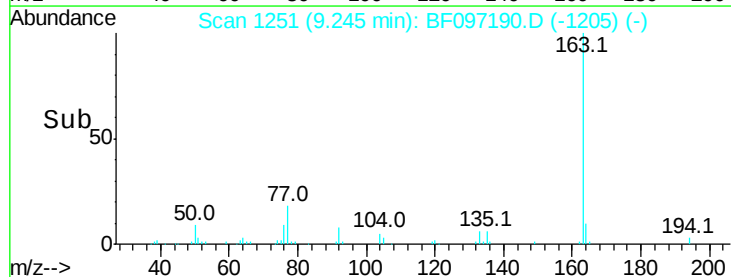
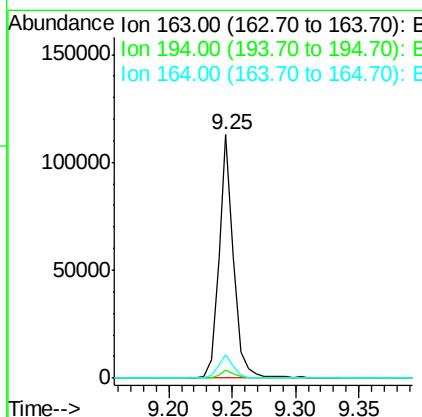
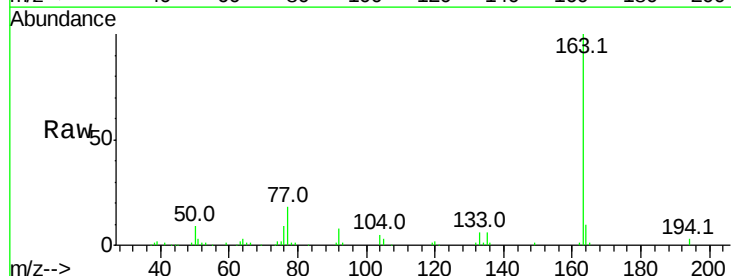
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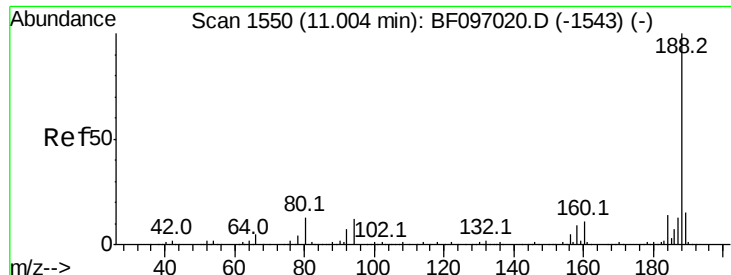
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#49
Dimethylphthalate
Concen: 10.186 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	2.6	4.0
164	9.5	8.4	12.6





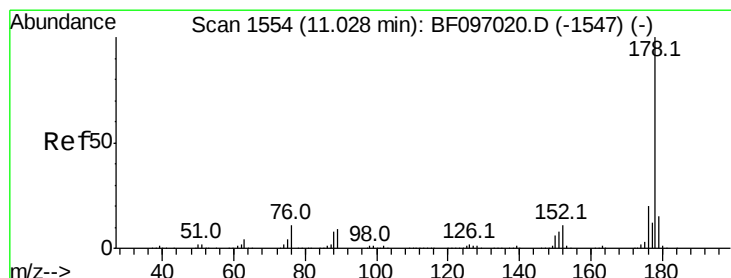
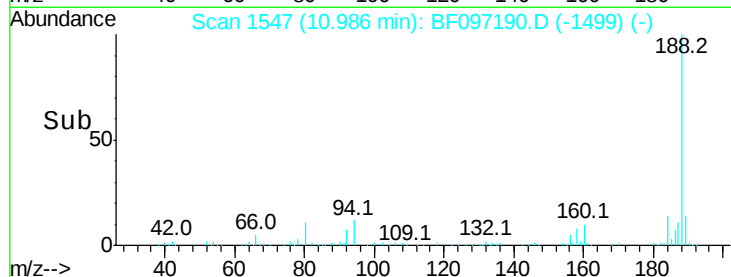
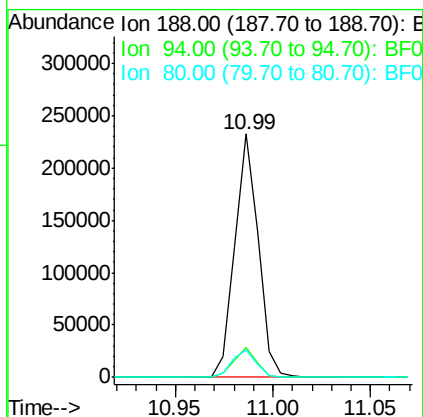
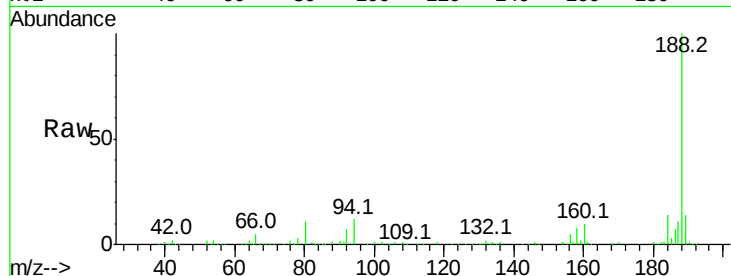
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Instrument :
BNA_F
ClientSampleId :
E2-HS5-WSW

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.1	9.4	14.2
80	11.5	10.2	15.2

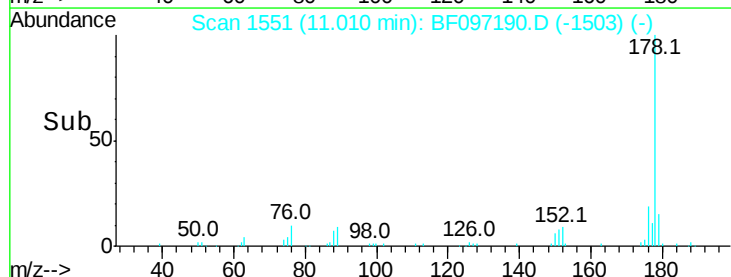
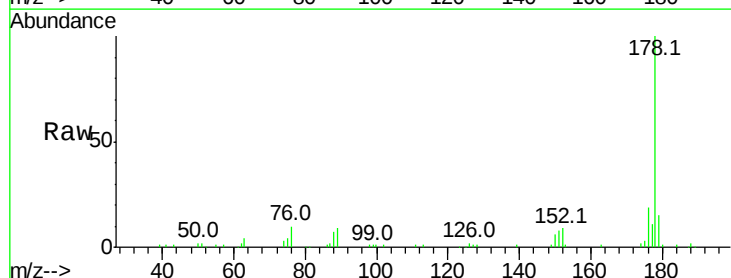
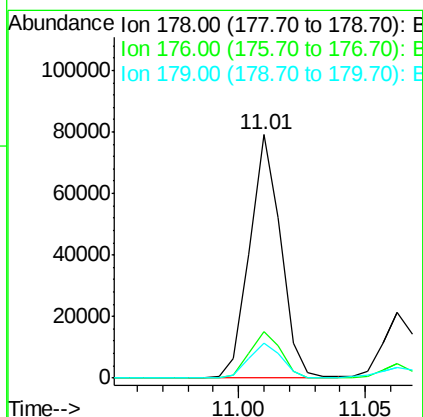
Manual Integrations
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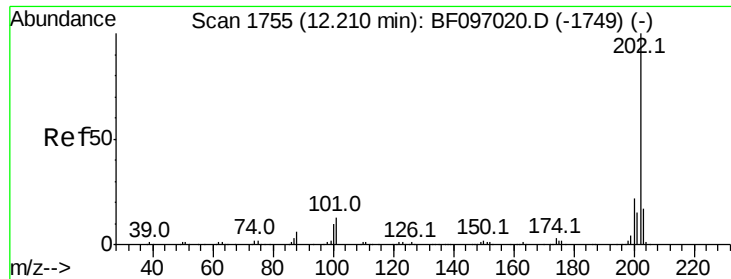
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#70
Phenanthrene
Concen: 6.527 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.1	16.2	24.4
179	14.5	12.6	19.0





#74

Fluoranthene

Concen: 17.816 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097190.D

Acq: 29 Jul 2017 8:38

Instrument :

BNA_F

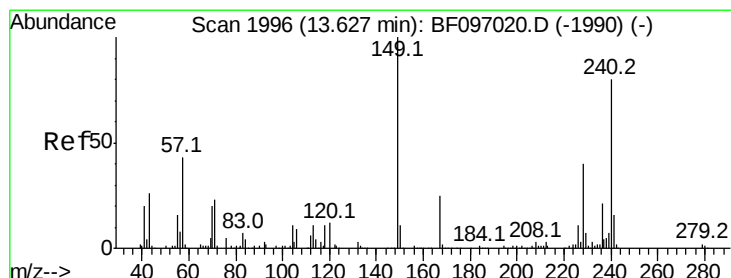
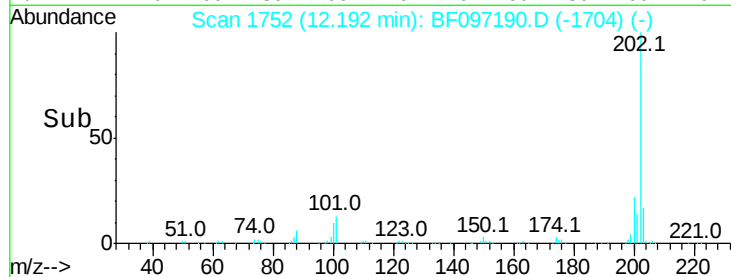
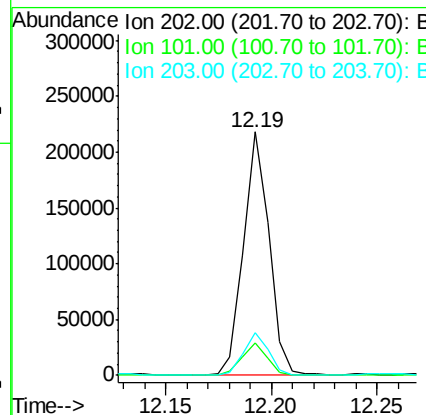
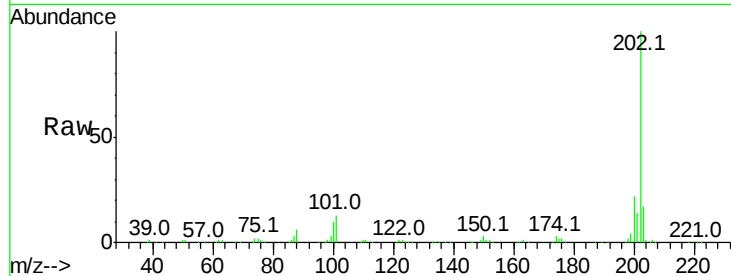
ClientSampleId :

E2-HS5-WSW

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.5	0.0	33.2
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

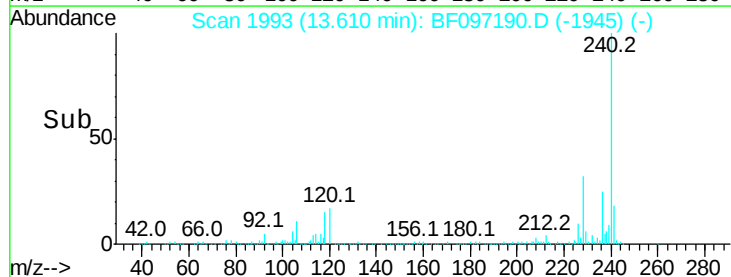
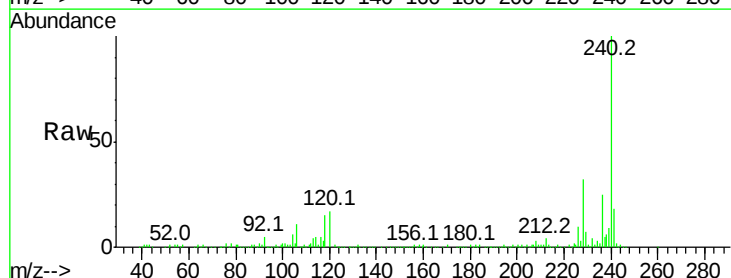
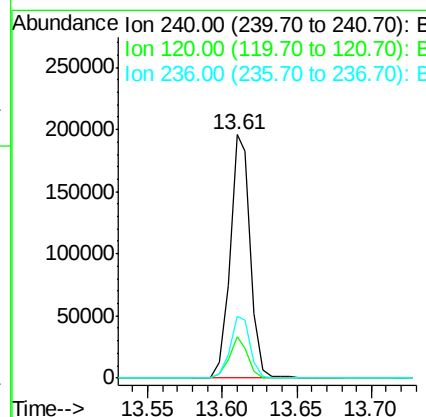
RT: 13.61 min Scan# 1993

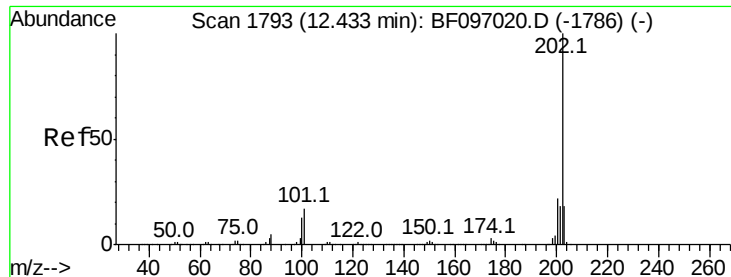
Delta R.T. -0.02 min

Lab File: BF097190.D

Acq: 29 Jul 2017 8:38

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.1	5.8	8.8#
236	25.3	20.5	30.7





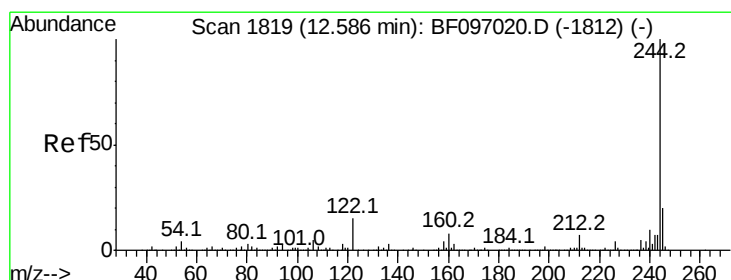
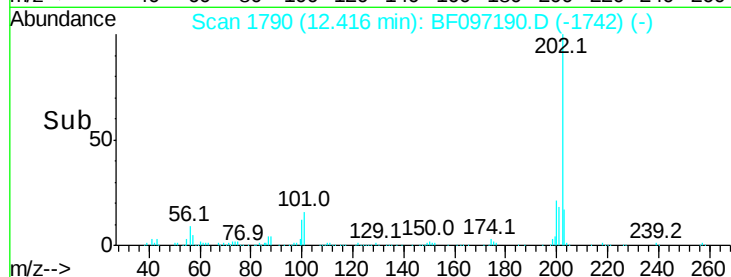
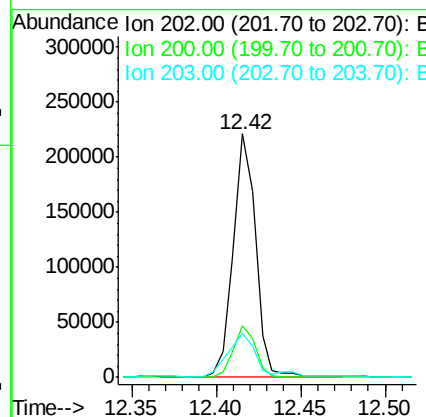
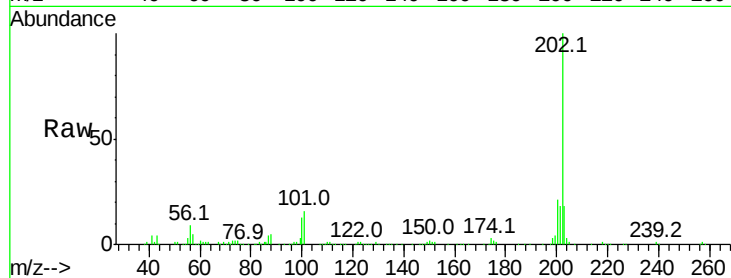
#77
Pvrene
Concen: 13.211 ng
RT: 12.42 min Scan# 1790
Delta R.T. -0.02 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Instrument :
BNA_F
ClientSampleId :
E2-HS5-WSW

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.1	14.4	21.6

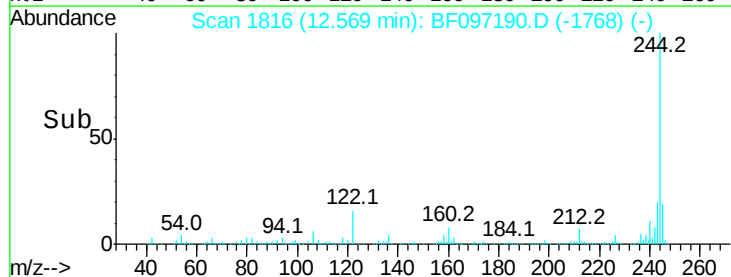
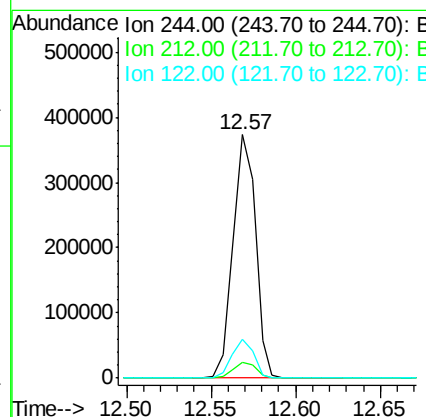
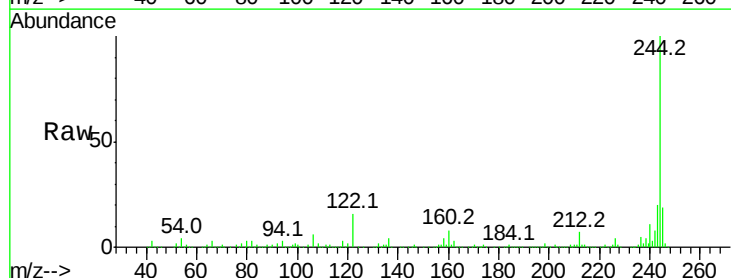
Manual Integrations
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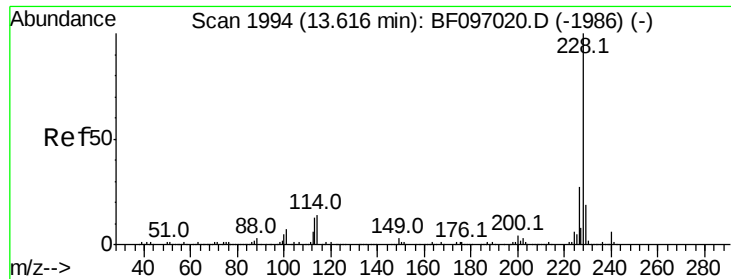
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#78
Terphenyl-d14
Concen: 37.559 ng
RT: 12.57 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	16.0	10.3	15.5#





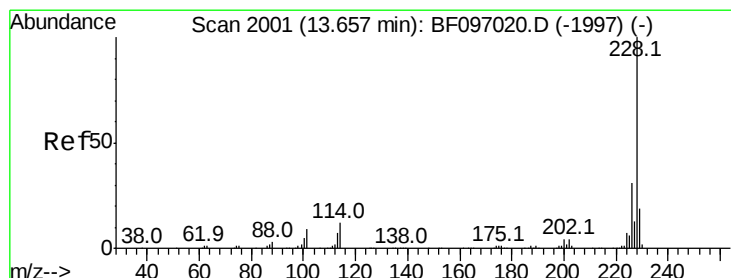
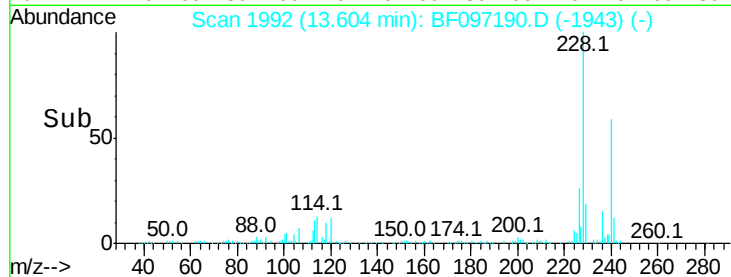
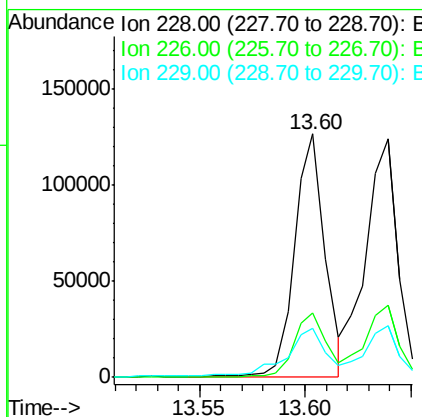
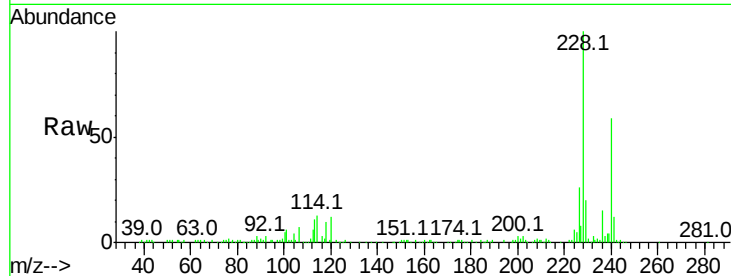
#80
Benzo(a)anthracene
Concen: 10.311 ng
RT: 13.60 min Scan# 1992
Delta R.T. -0.01 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Instrument :
BNA_F
ClientSampleId :
E2-HS5-WSW

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.6	33.8
229	20.1	16.3	24.5

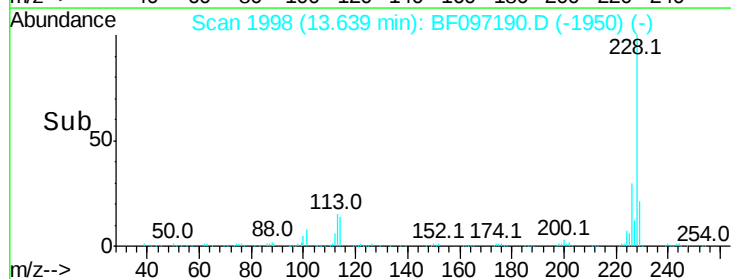
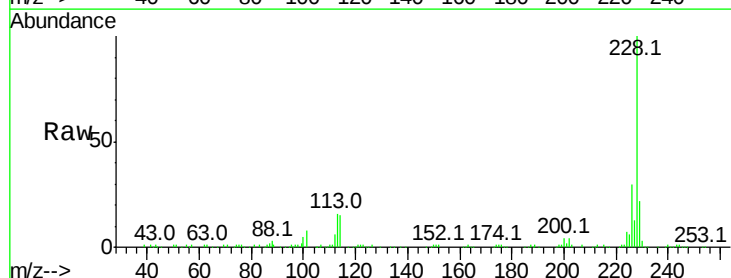
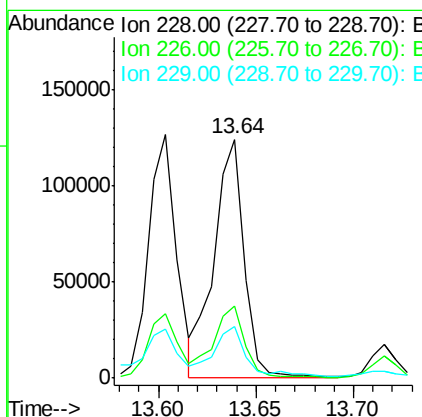
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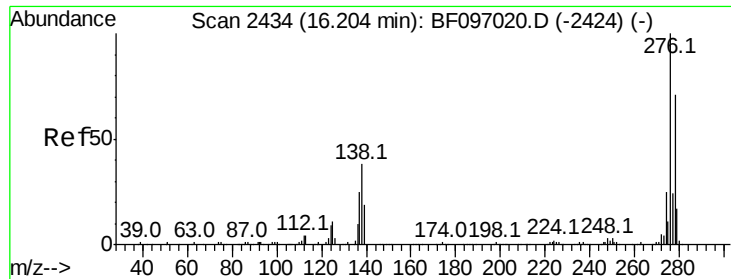
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#82
Chrysene
Concen: 11.198 ng
RT: 13.64 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	21.6	15.8	23.6





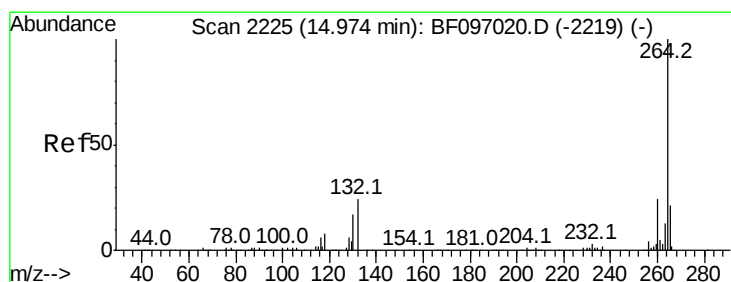
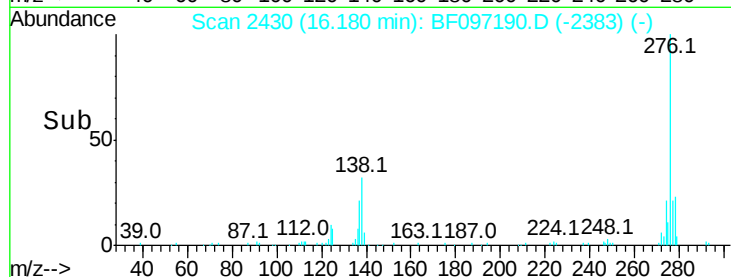
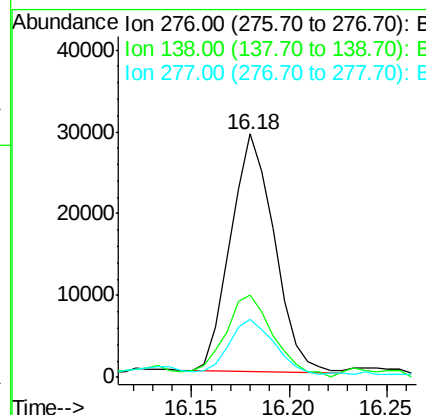
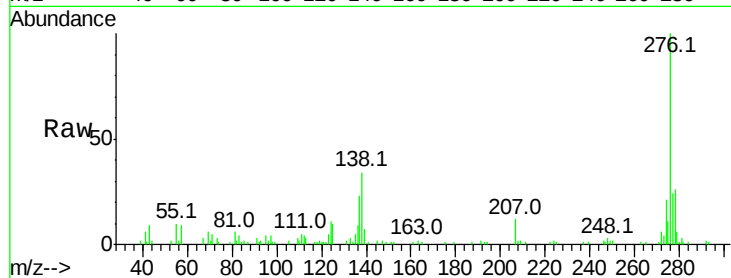
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.456 ng
RT: 16.18 min Scan# 2430
Delta R.T. -0.02 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Instrument :
BNA_F
ClientSampleId :
E2-HS5-WSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	38.7	27.8	41.6
277	23.2	20.2	30.4

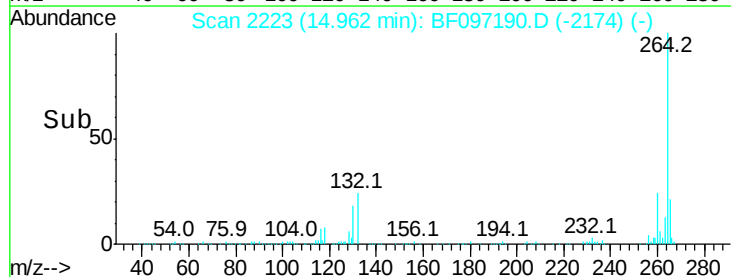
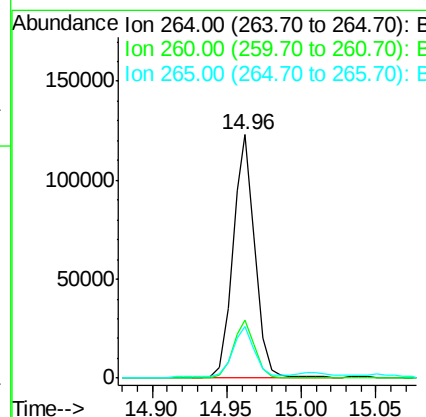
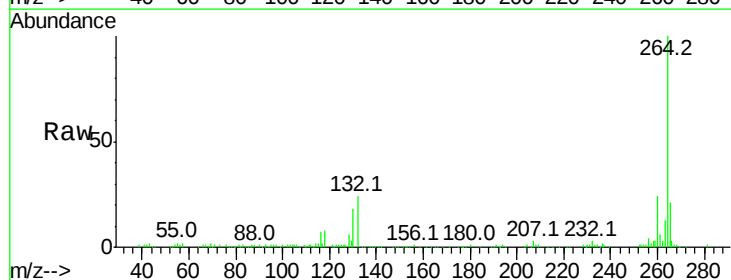
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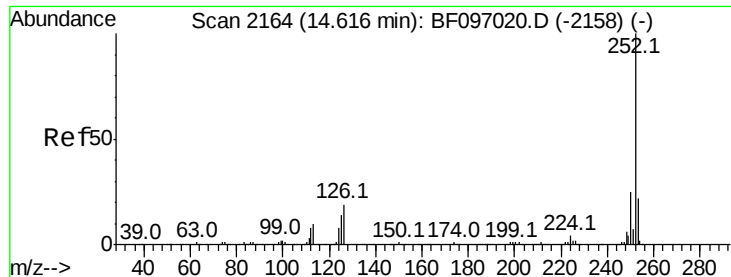
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 17.315 ng m

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097190.D

Acq: 29 Jul 2017 8:38

Instrument :

BNA_F

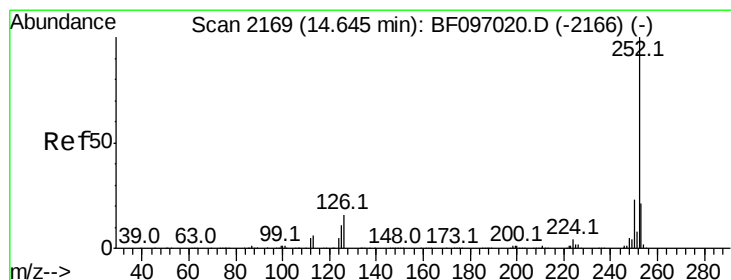
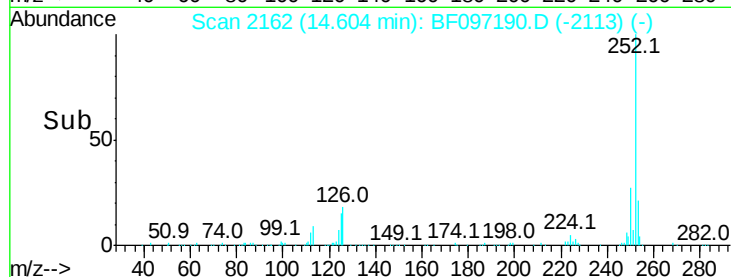
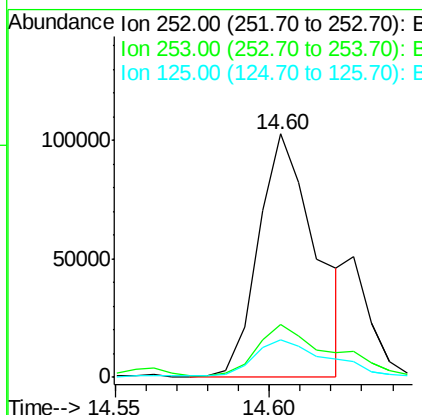
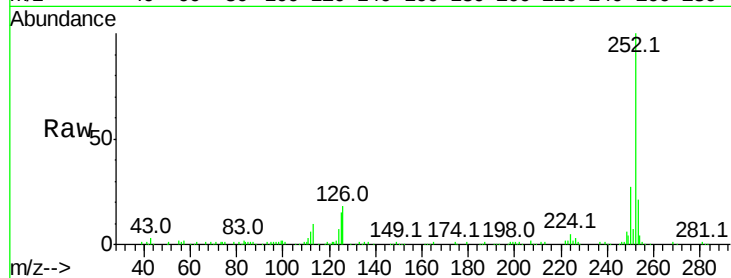
ClientSampled :

E2-HS5-WSW

Tot Ion:	252	Resp:	132956
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.1	27.1
125	15.2	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 4.059 ng m

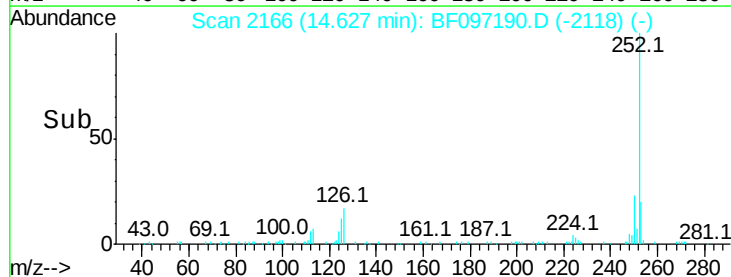
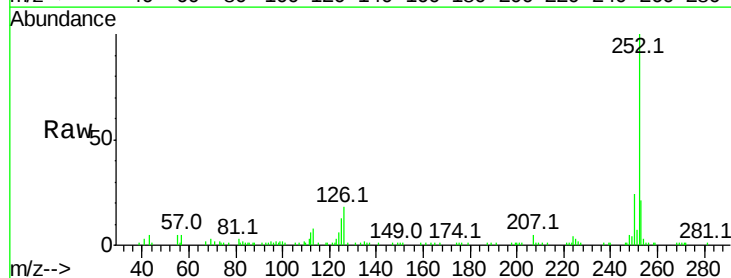
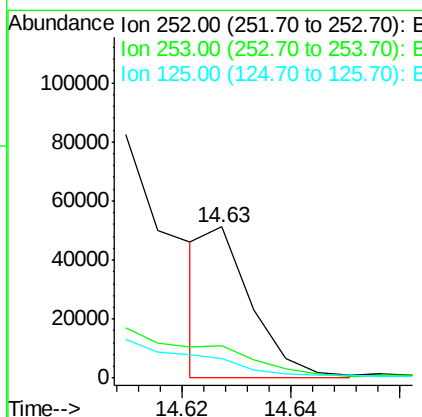
RT: 14.63 min Scan# 2166

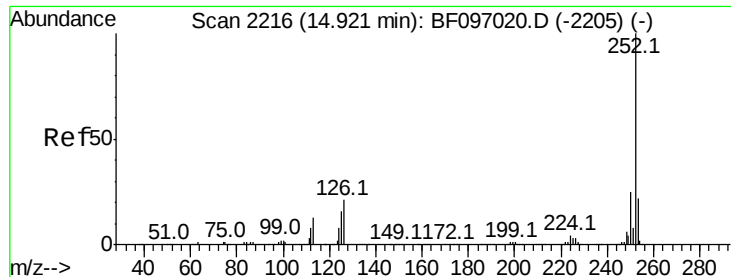
Delta R.T. -0.02 min

Lab File: BF097190.D

Acq: 29 Jul 2017 8:38

Tgt Ion:	252	Resp:	29702
Ion Ratio	Lower	Upper	
252	100		
253	21.2	18.4	27.6
125	13.2	13.1	19.7





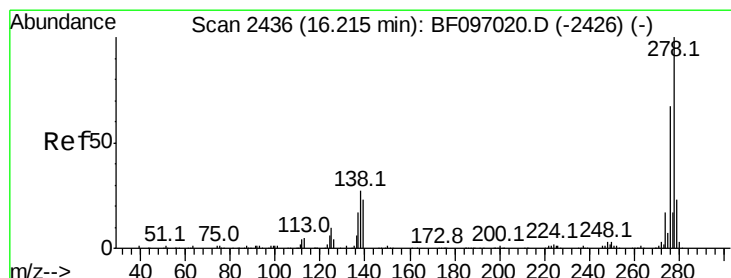
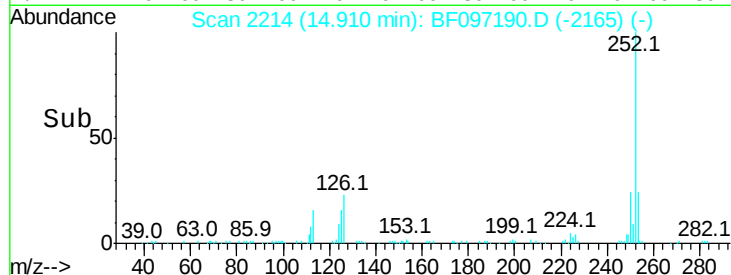
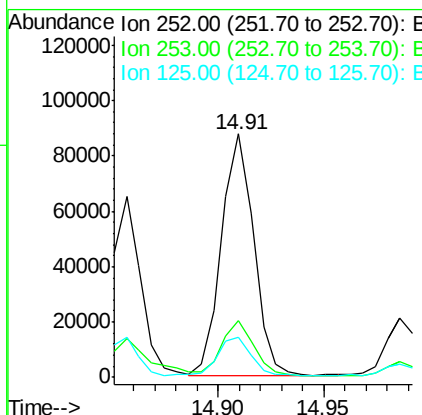
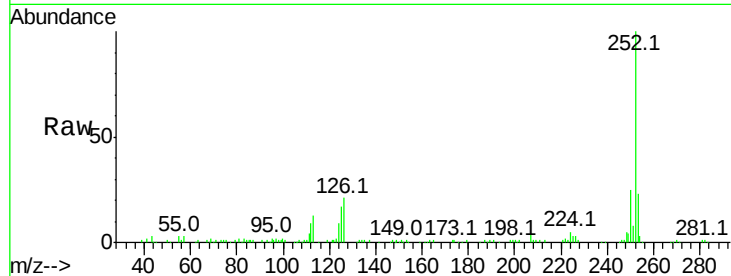
#89
Benzo(a)pyrene
Concen: 13.320 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Instrument :
BNA_F
ClientSampleId :
E2-HS5-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	16.6	11.0	16.4

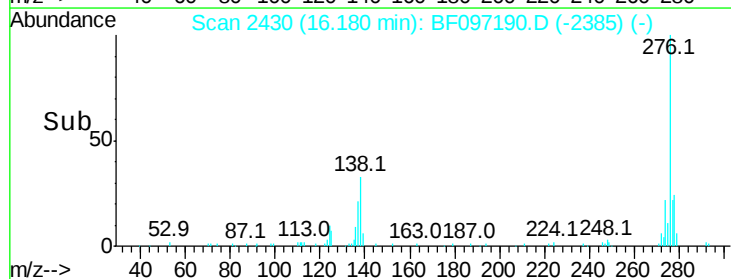
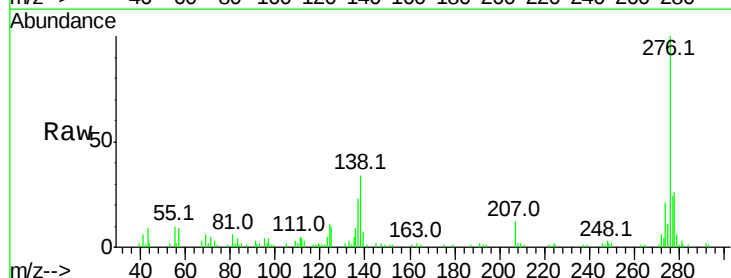
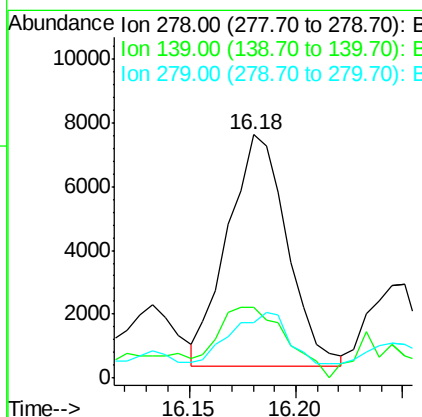
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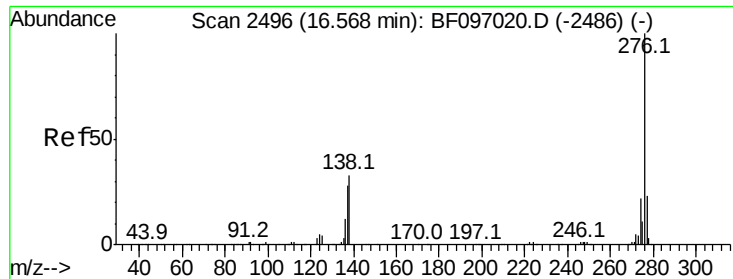
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#90
Dibenzo(a,h)anthracene
Concen: 2.425 ng m
RT: 16.18 min Scan# 2430
Delta R.T. -0.04 min
Lab File: BF097190.D
Acq: 29 Jul 2017 8:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.2	16.6	24.8
279	22.7	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 7.678 ng
 RT: 16.54 min Scan# 2492
 Delta R.T. -0.02 min
 Lab File: BF097190.D
 Acq: 29 Jul 2017 8:38

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS5-WSW

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	34.8	25.4	38.0

Manual Integrations
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