

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097310.D
 Acq On : 3 Aug 2017 10:08
 Operator : SJ/JU
 Sample : I4471-18
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-L6-NSW

Manual Integrations
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Quant Time: Aug 03 13:08:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 03 12:06:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	104472	20.00	ng	0.00
21) Naphthalene-d8	7.73	136	466888	20.00	ng	0.00
38) Acenaphthene-d10	9.47	164	200085	20.00	ng	0.00
63) Phenanthrene-d10	10.95	188	335457	20.00	ng	0.00
75) Chrysene-d12	13.57	240	196291	20.00	ng	-0.01
86) Perylene-d12	14.92	264	172446	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	765796	110.50	ng	0.00
7) Phenol-d6	6.12	99	930708	117.64	ng	0.00
23) Nitrobenzene-d5	7.02	82	524354	65.88	ng	0.00
41) 2,4,6-Tribromophenol	10.27	330	161503	102.16	ng	0.00
44) 2-Fluorobiphenyl	8.81	172	683587	57.98	ng	0.00
78) Terphenyl-d14	12.53	244	440879	45.79	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.13	94	32545	3.468	ng	95
49) Dimethylphthalate	9.21	163	177977	11.714	ng	100
51) Acenaphthene	9.51	154	25122	2.209	ng	97
57) Fluorene	10.02	166	34077	2.994	ng	99
70) Phenanthrene	10.97	178	416515	23.173	ng	99
71) Anthracene	11.02	178	109793	5.964	ng	98
74) Fluoranthene	12.15	202	313145	17.784	ng	99
77) Pyrene	12.38	202	367516	22.870	ng	99
80) Benzo(a)anthracene	13.56	228	115192	9.070	ng	97
82) Chrysene	13.60	228	116708	9.410	ng	97
85) Indeno(1,2,3-cd)pyrene	16.12	276	31062	2.921	ng	95
87) Benzo(b)fluoranthene	14.56	252	93933m	9.062	ng	
88) Benzo(k)fluoranthene	14.57	252	35131m	3.556	ng	
89) Benzo(a)pyrene	14.86	252	75862	7.996	ng	# 95
91) Benzo(a,h,i)perylene	16.48	276	29166	3.575	ng	94

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

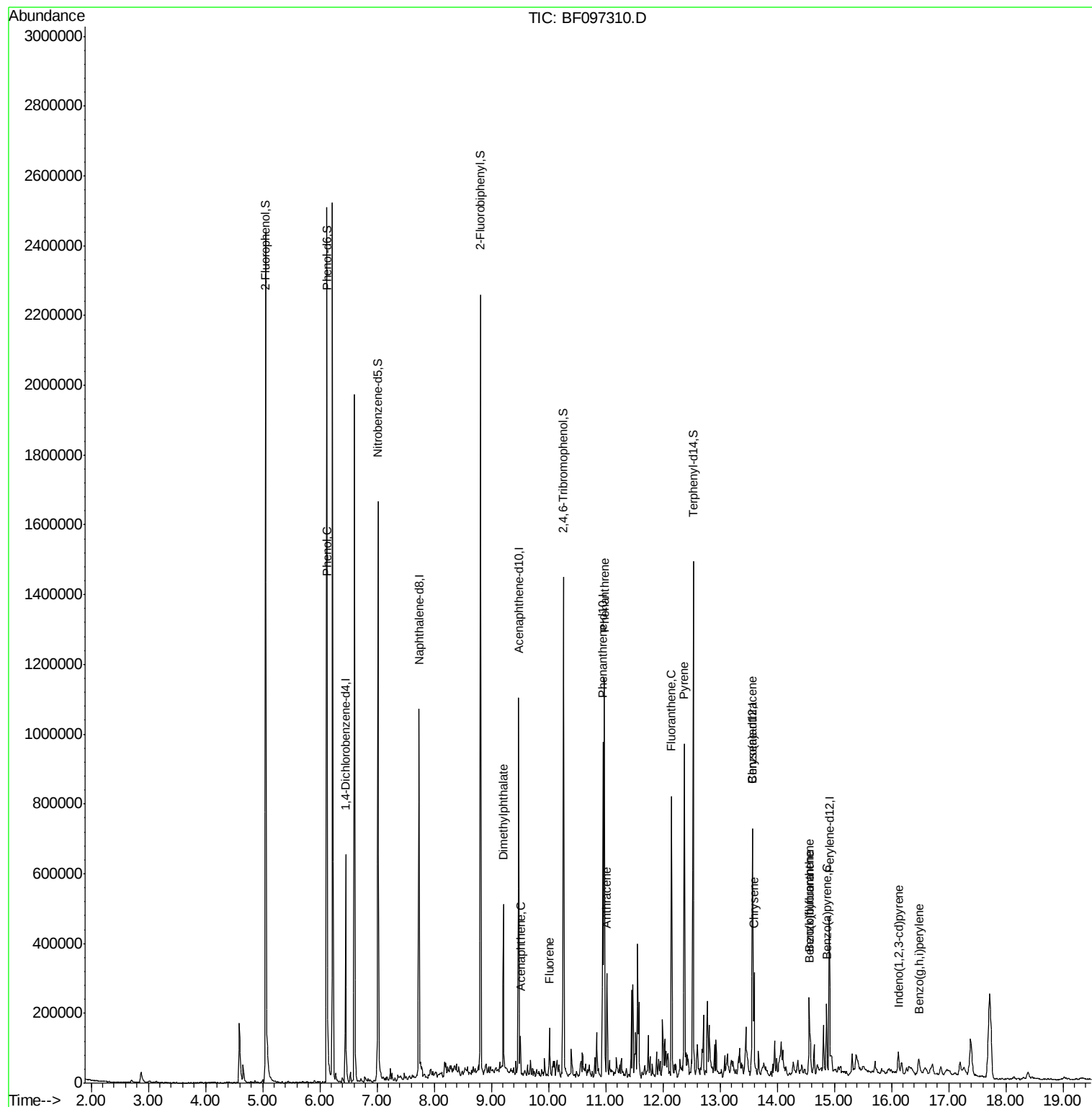
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
Data File : BF097310.D
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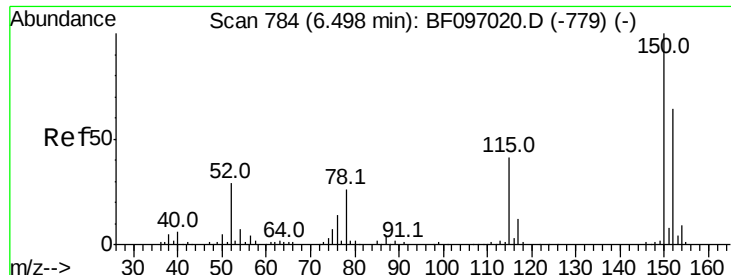
Instrument :
BNA_F
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Quant Time: Aug 03 13:08:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

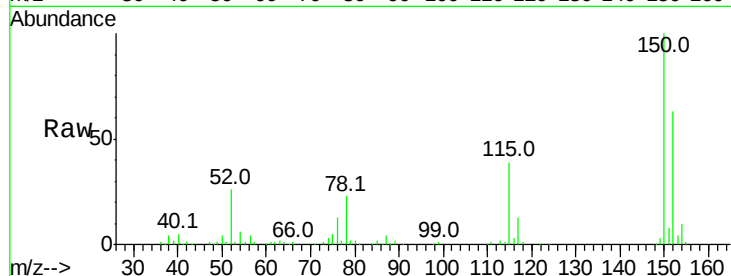
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 776
Delta R.T. 0.00 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Instrument :
BNA_F
ClientSampled :
E2-L6-NSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	61.8	52.2	78.2

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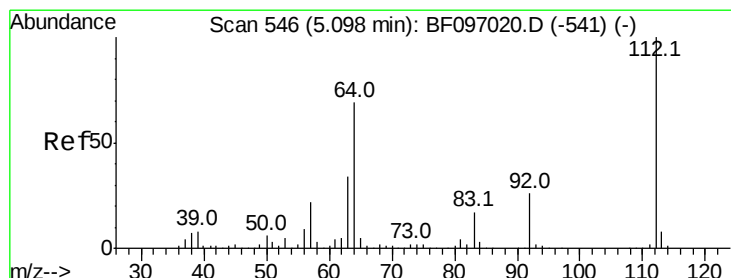
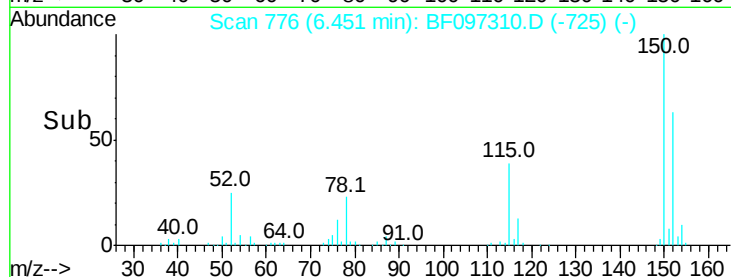
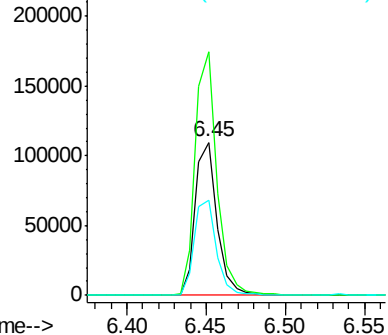


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

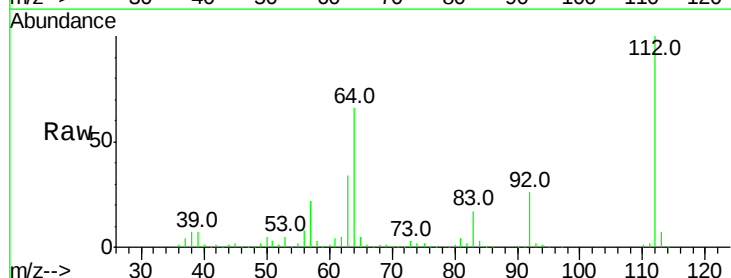
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 110.501 ng
RT: 5.05 min Scan# 538
Delta R.T. 0.01 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	46.0	69.0
63	33.8	23.4	35.0

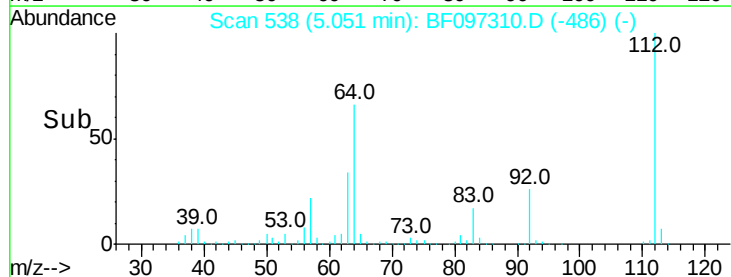
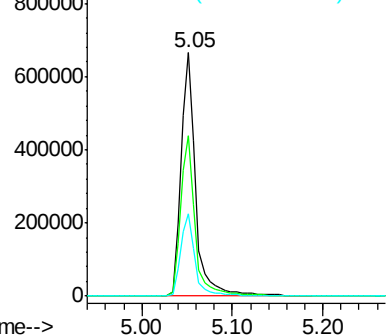


Abundance

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: 117.638 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF097310.D

Acq: 3 Aug 2017 10:08

Instrument :

BNA_F

ClientSampled :

E2-L6-NSW

Tot Ion: 99 Resp: 930708

Ion Ratio Lower Upper

99 100

42 23.3 13.5 20.3#

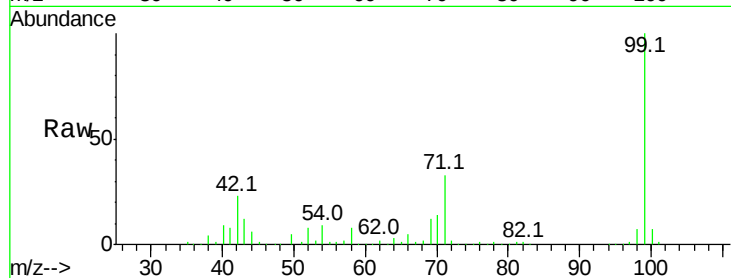
71 33.4 24.5 36.7

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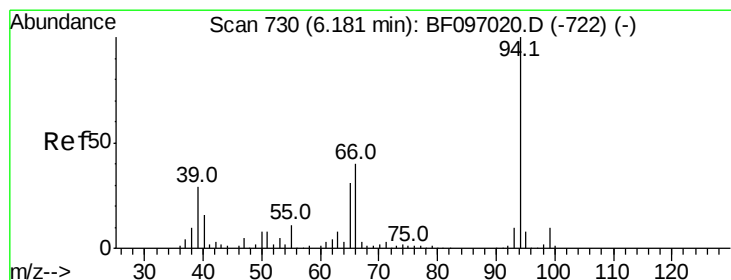
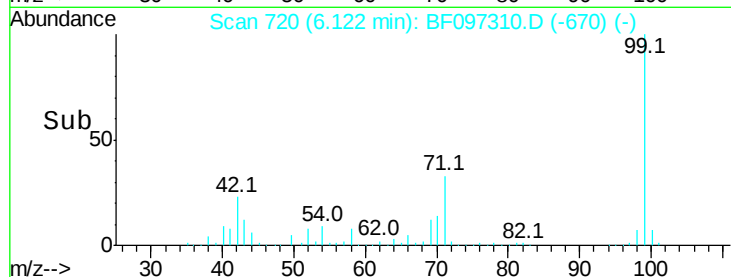
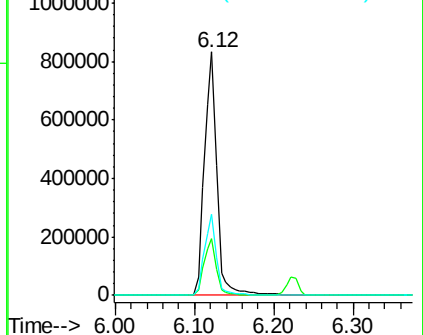
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.468 ng

RT: 6.13 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF097310.D

Acq: 3 Aug 2017 10:08

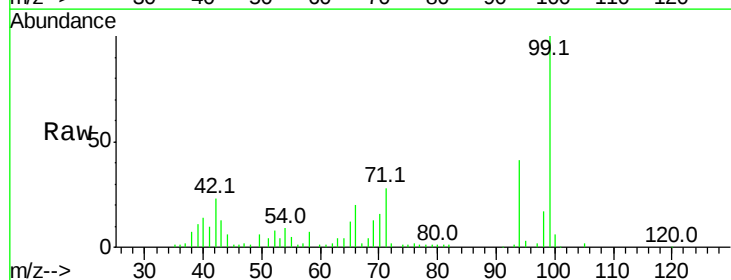
Tgt Ion: 94 Resp: 32545

Ion Ratio Lower Upper

94 100

65 28.6 9.9 49.9

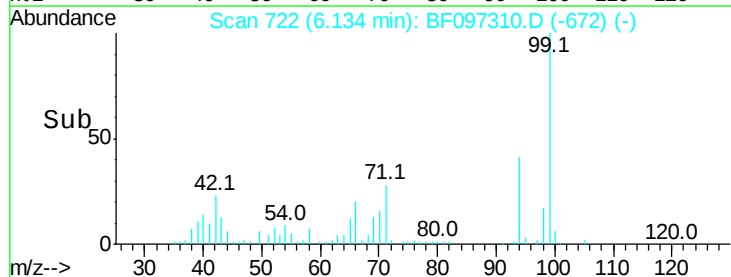
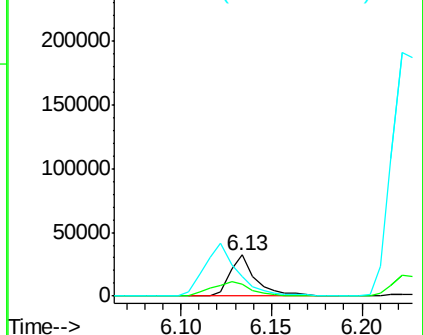
66 47.1 23.1 63.1



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





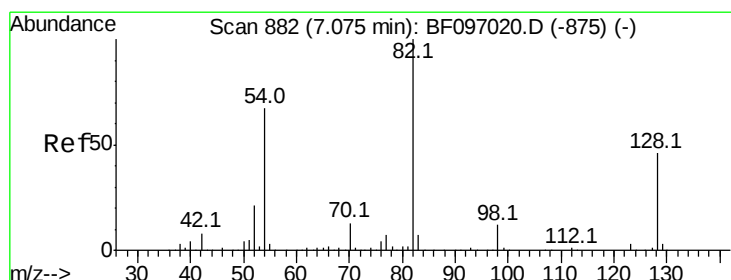
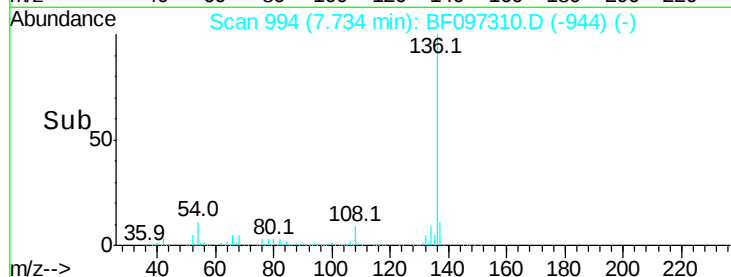
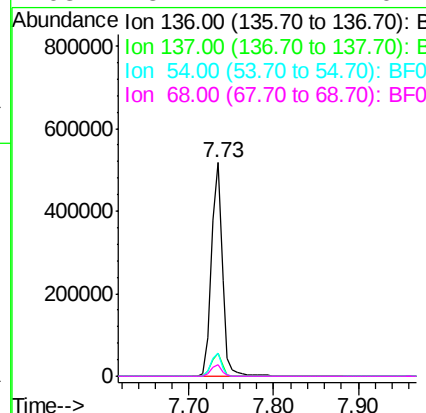
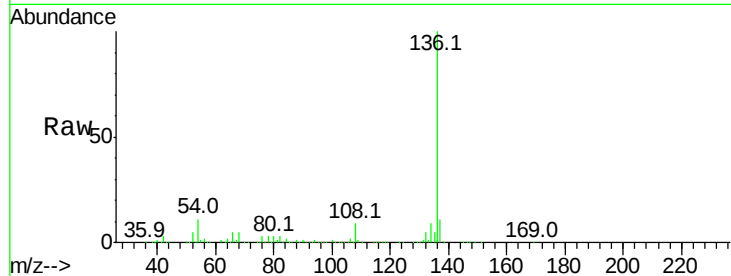
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.5	4.9	7.3#
68	5.2	4.1	6.1

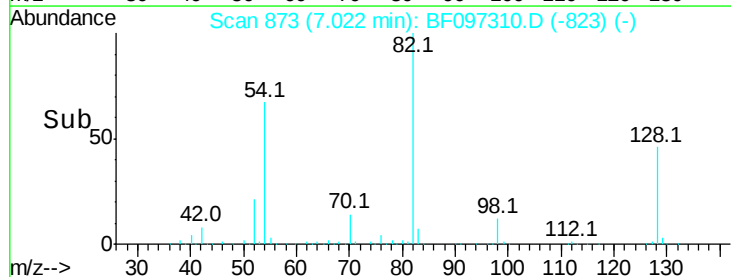
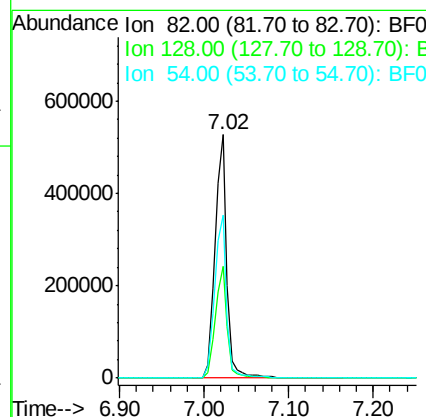
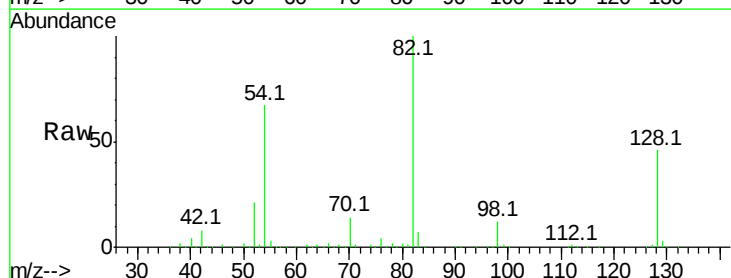
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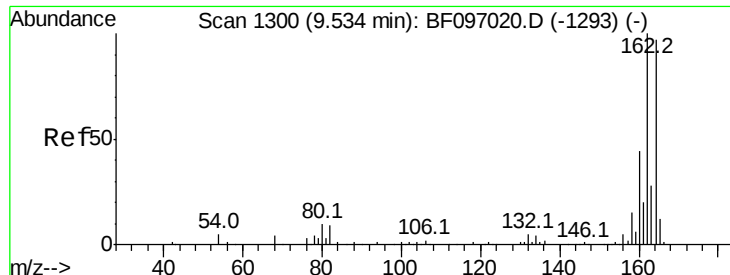
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#23
Nitrobenzene-d5
Concen: 65.885 ng
RT: 7.02 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.0	34.0	51.0
54	66.8	42.2	63.2#





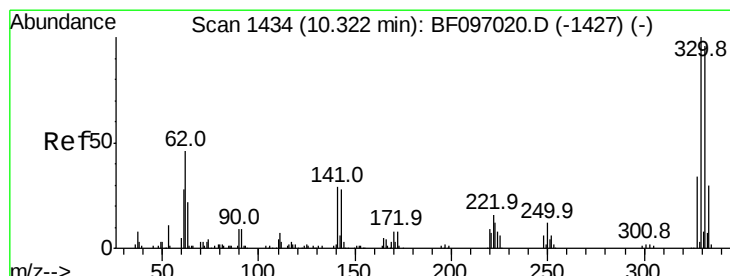
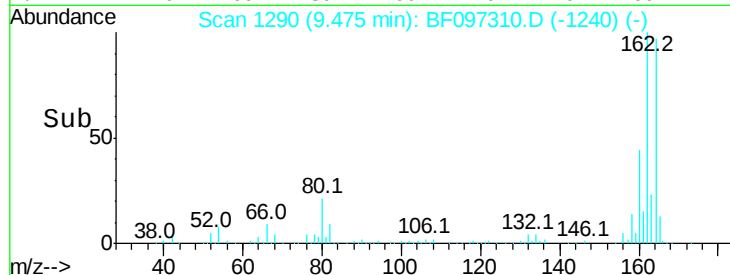
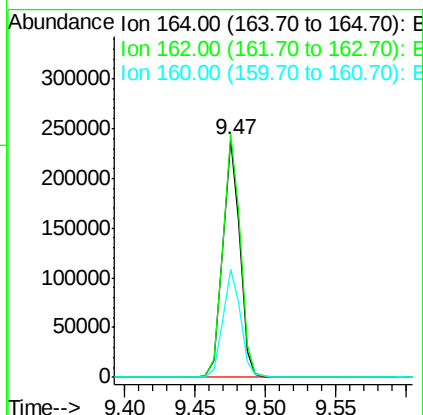
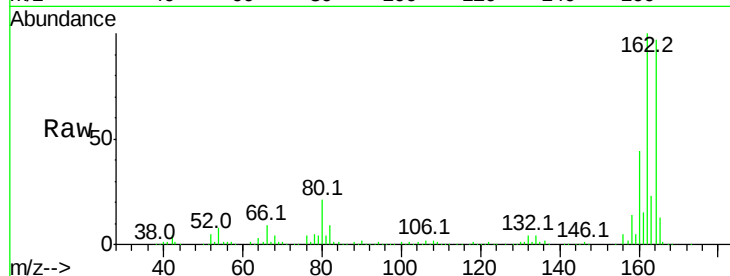
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BF097310.D
 Acq: 3 Aug 2017 10:08

Instrument :
 BNA_F
 ClientSampleId :
 E2-L6-NSW

Tot Ion	Ratio	Resp	Lower	Upper
164	100	200085		
162	102.6		82.6	123.8
160	45.4		36.2	54.2

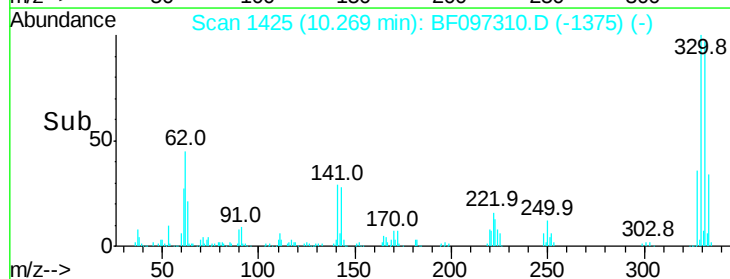
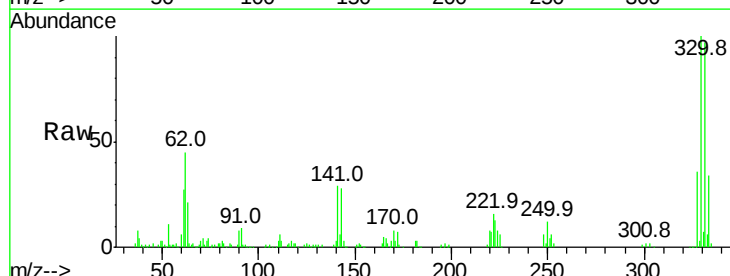
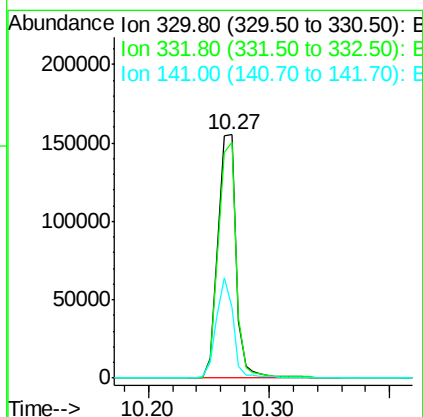
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#41
 2,4,6-Tribromophenol
 Concen: 102.161 ng
 RT: 10.27 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF097310.D
 Acq: 3 Aug 2017 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	161503		
332	95.8		76.6	115.0
141	38.2		31.4	47.2





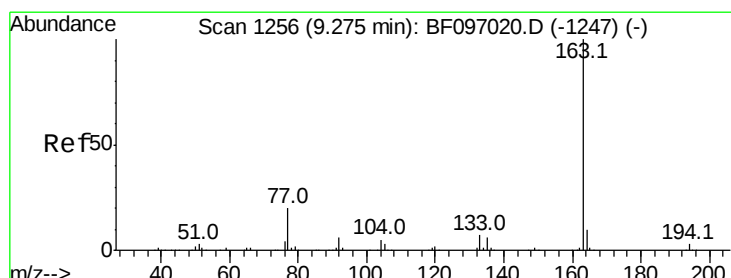
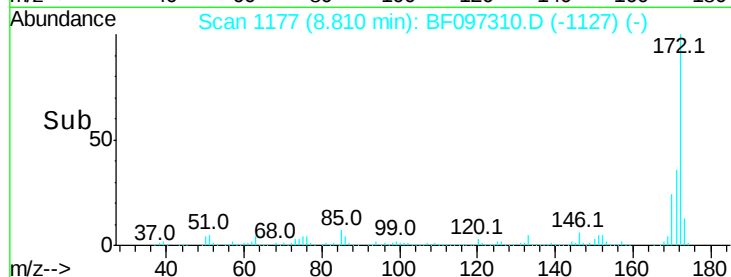
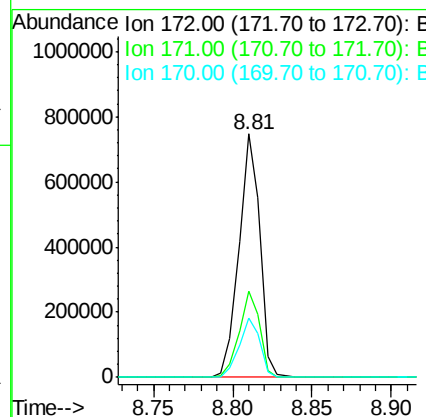
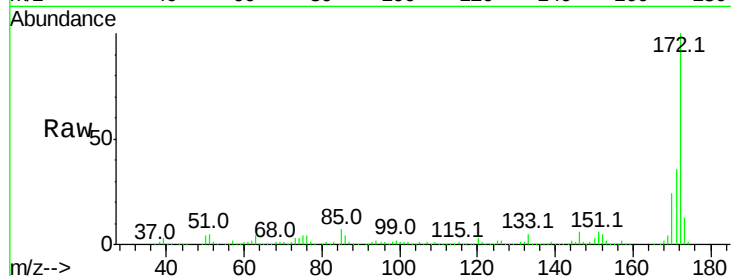
#44
2-Fluorobiphenyl
Concen: 57.981 ng
RT: 8.81 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW

Tot Ion	Ratio	Resp	Lower	Upper
172	100	683587		
171	35.6		29.6	44.4
170	24.2		19.8	29.8

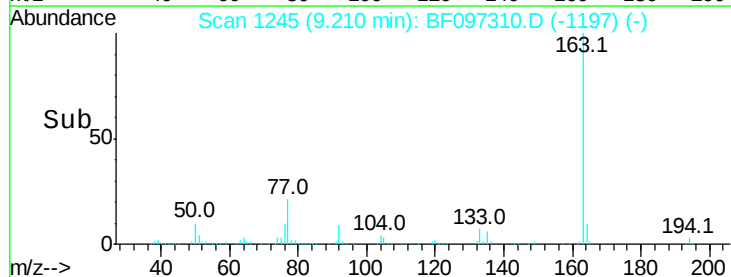
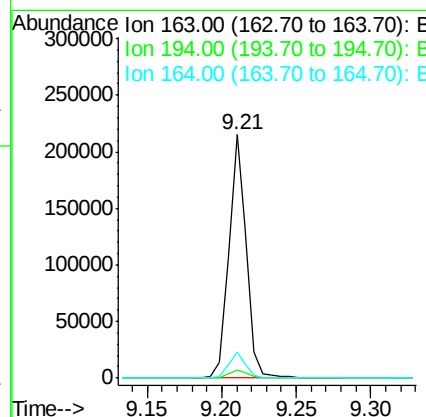
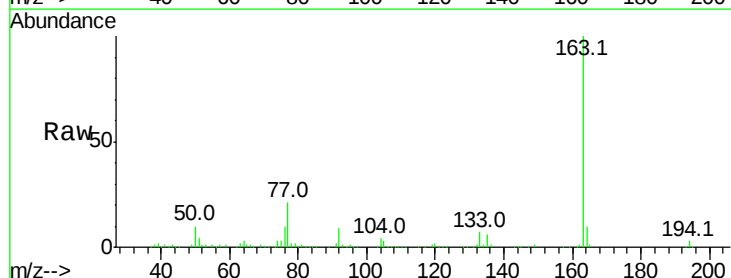
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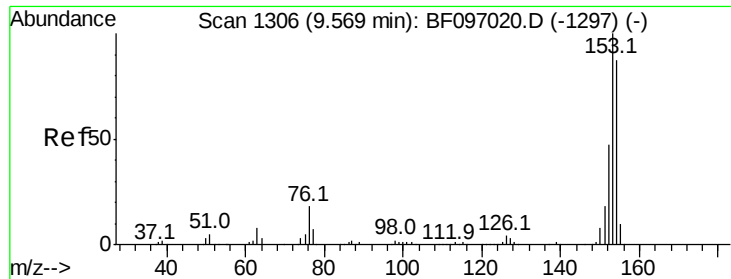
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#49
Dimethylphthalate
Concen: 11.714 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	177977		
194	3.2		2.6	4.0
164	10.5		8.4	12.6





#51

Acenaphthene

Concen: 2.209 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF097310.D

Acq: 3 Aug 2017 10:08

Instrument :

BNA_F

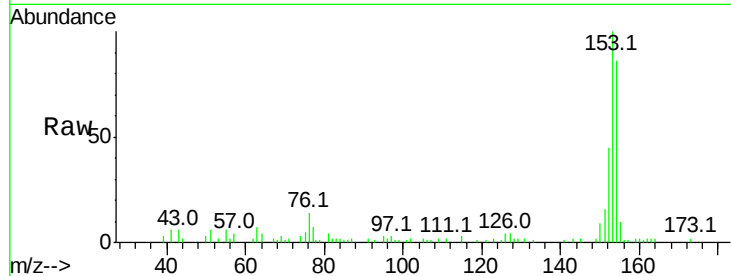
ClientSampleId :

E2-L6-NSW

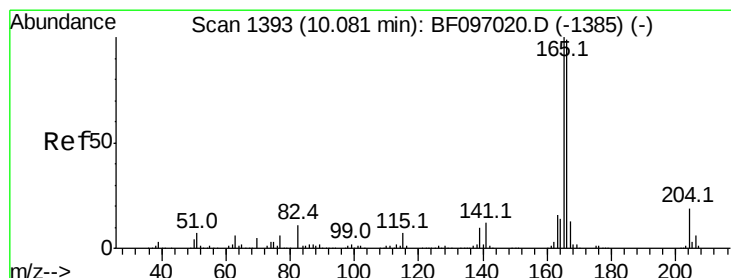
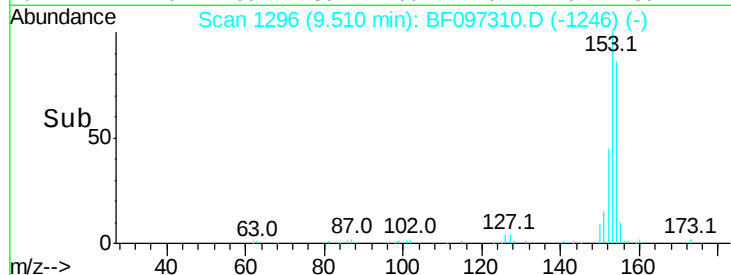
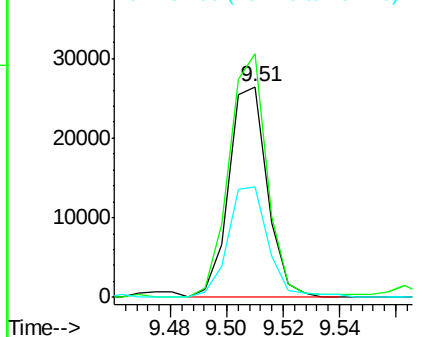
Tot Ion:	154	Resp:	25122
Ion Ratio	Lower	Upper	
154	100		
153	115.7	90.5	135.7
152	52.4	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.994 ng

RT: 10.02 min Scan# 1383

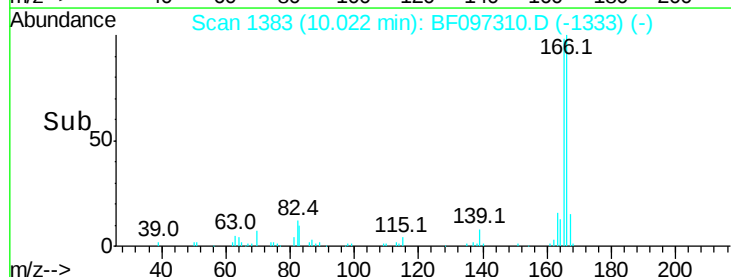
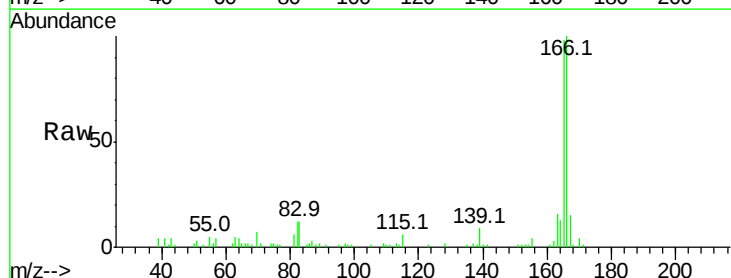
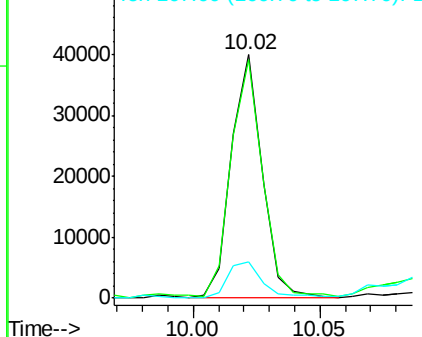
Delta R.T. -0.01 min

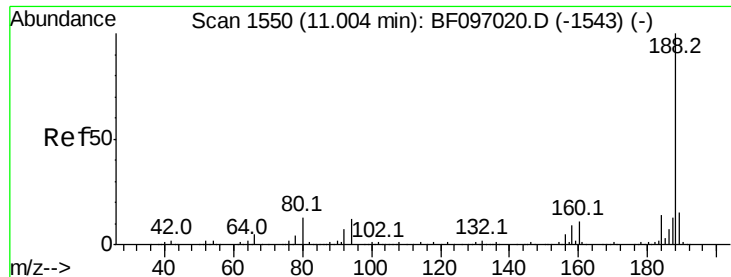
Lab File: BF097310.D

Acq: 3 Aug 2017 10:08

Tgt Ion:	166	Resp:	34077
Ion Ratio	Lower	Upper	
166	100		
165	98.0	78.8	118.2
167	14.7	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





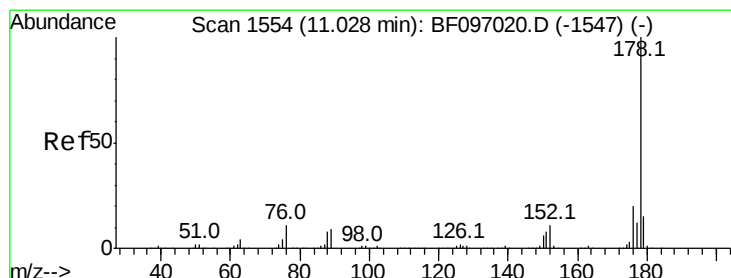
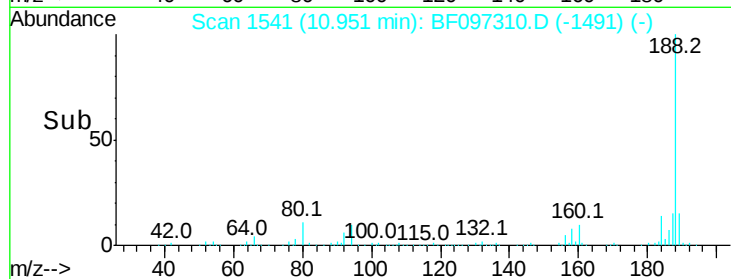
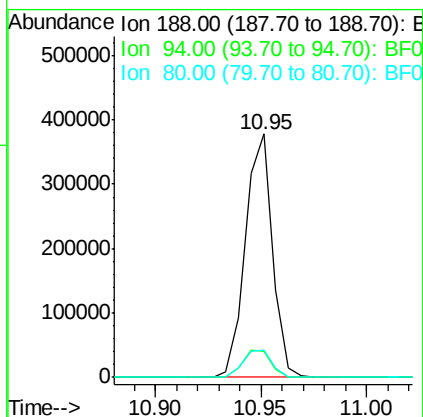
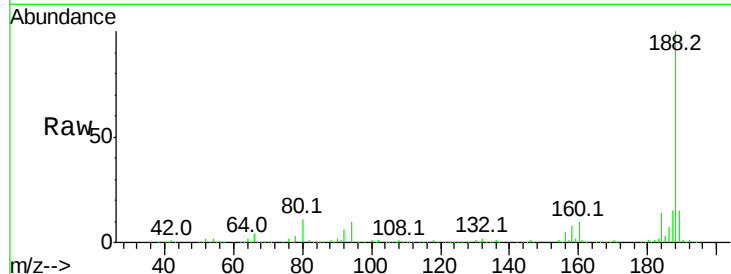
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.95 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Instrument :
BNA_F
ClientSampled :
E2-L6-NSW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	335457		
94	10.5		9.4	14.2
80	11.0		10.2	15.2

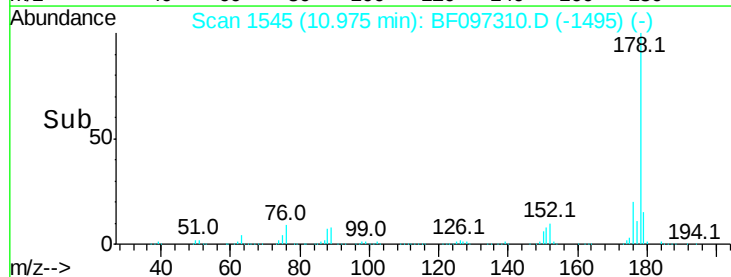
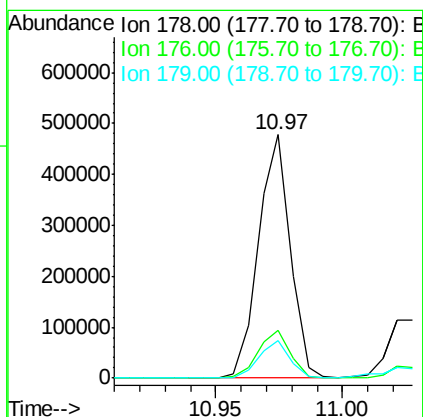
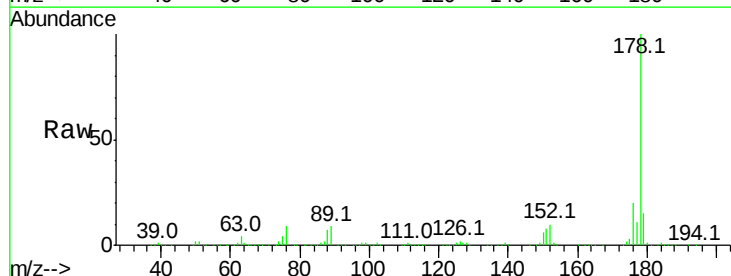
Manual Integrations
APPROVED

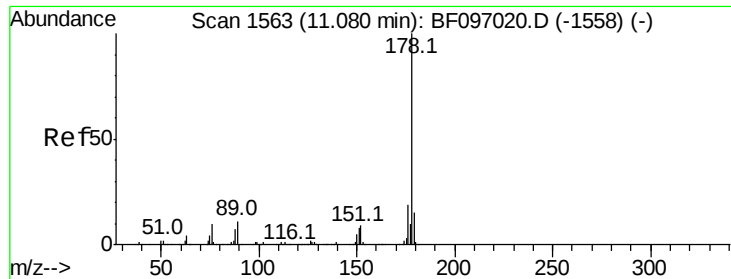
Sohil
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#70
Phenanthrene
Concen: 23.173 ng
RT: 10.97 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	416515		
176	19.6		16.2	24.4
179	15.2		12.6	19.0





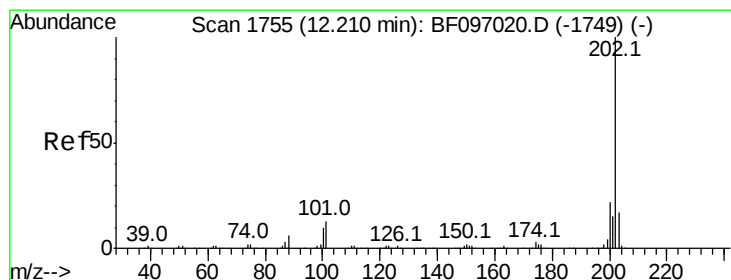
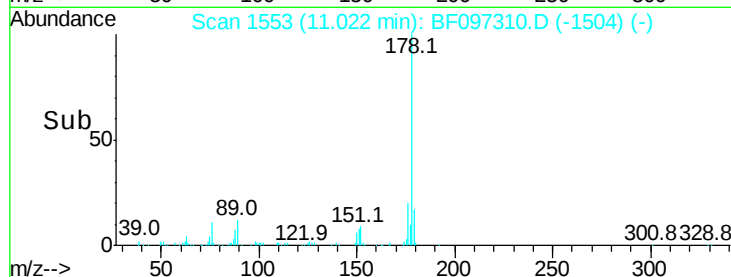
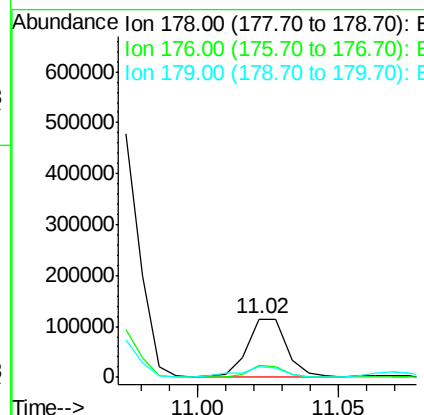
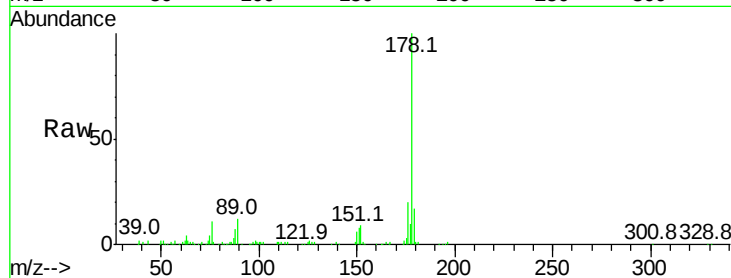
#71
 Anthracene
 Concen: 5.964 ng
 RT: 11.02 min Scan# 1553
 Delta R.T. -0.01 min
 Lab File: BF097310.D
 Acq: 3 Aug 2017 10:08

Instrument :
 BNA_F
 ClientSampleId :
 E2-L6-NSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	17.4	12.7	19.1

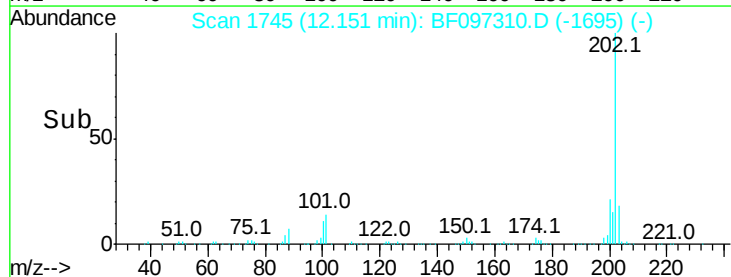
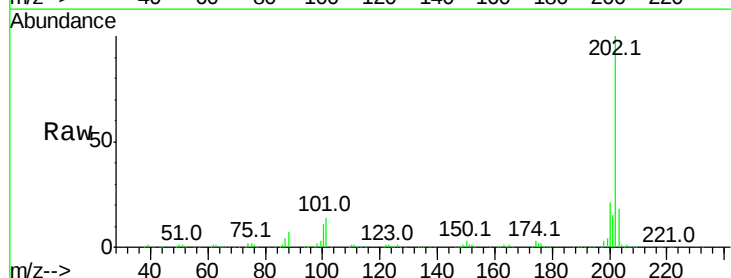
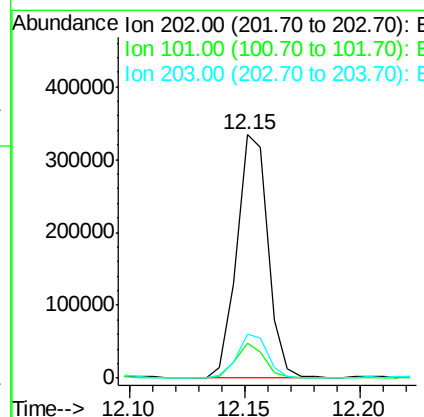
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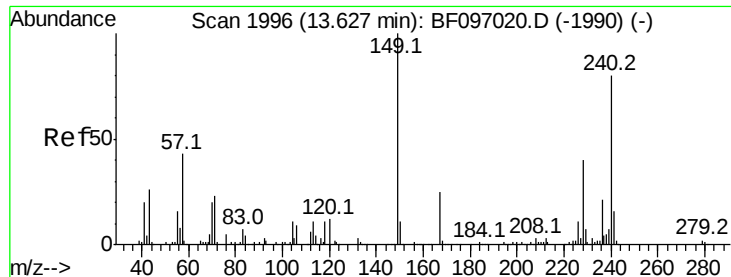
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#74
 Fluoranthene
 Concen: 17.784 ng
 RT: 12.15 min Scan# 1745
 Delta R.T. -0.01 min
 Lab File: BF097310.D
 Acq: 3 Aug 2017 10:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.57 min Scan# 1986

Delta R.T. -0.01 min

Lab File: BF097310.D

Acq: 3 Aug 2017 10:08

Instrument :

BNA_F

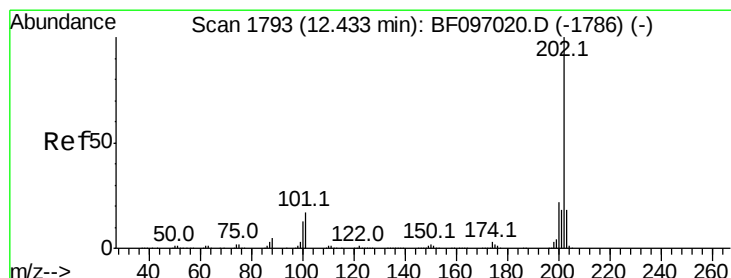
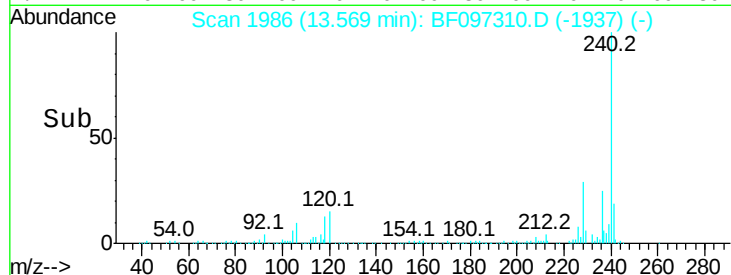
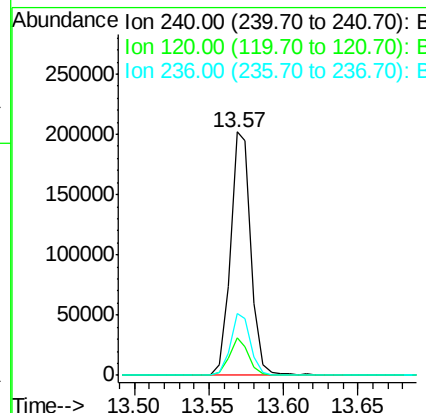
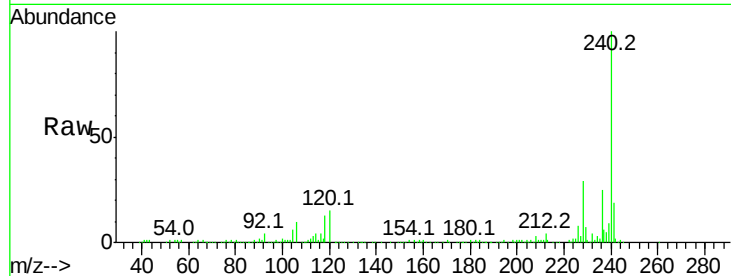
ClientSampled :

E2-L6-NSW

Tot Ion:240 Resp: 196291
 Ion Ratio Lower Upper
 240 100
 120 15.4 5.8 8.8#
 236 25.3 20.5 30.7

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#77

Pyrene

Concen: 22.870 ng

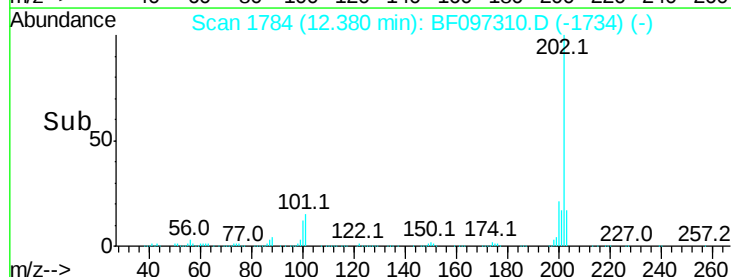
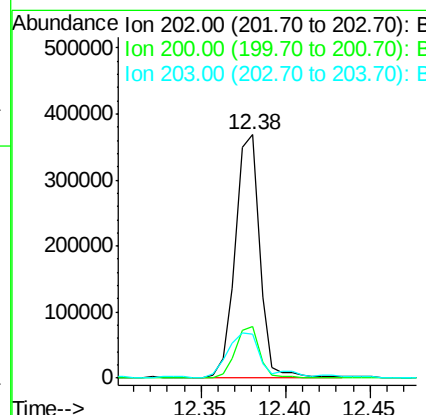
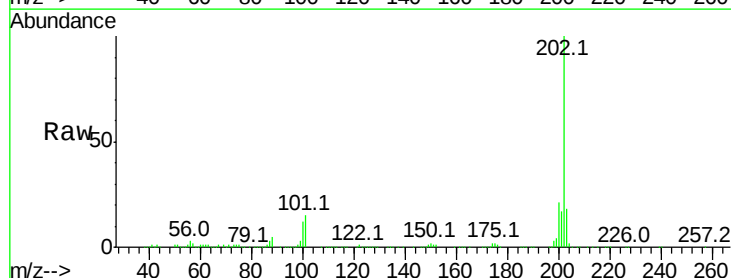
RT: 12.38 min Scan# 1784

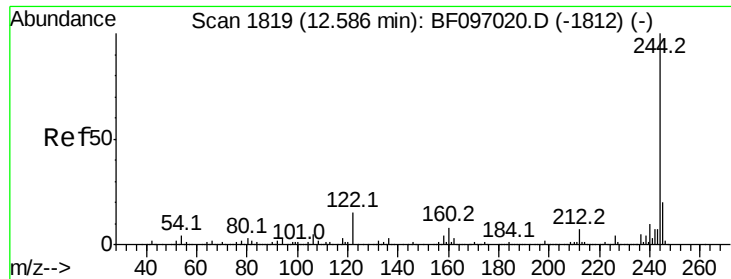
Delta R.T. -0.01 min

Lab File: BF097310.D

Acq: 3 Aug 2017 10:08

Tgt Ion:202 Resp: 367516
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.6 26.4
 203 18.0 14.4 21.6





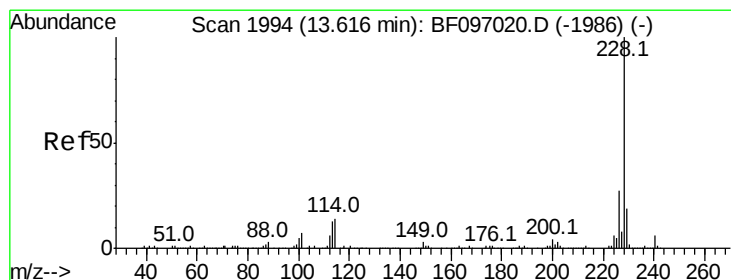
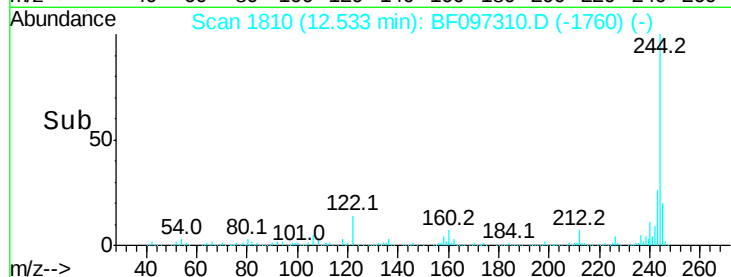
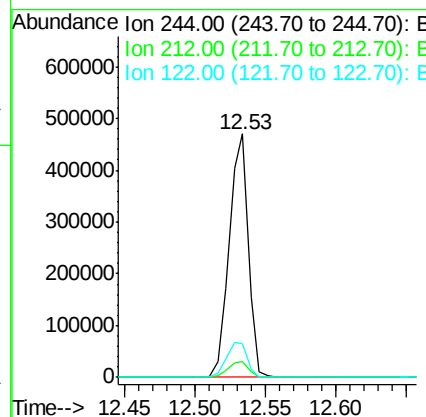
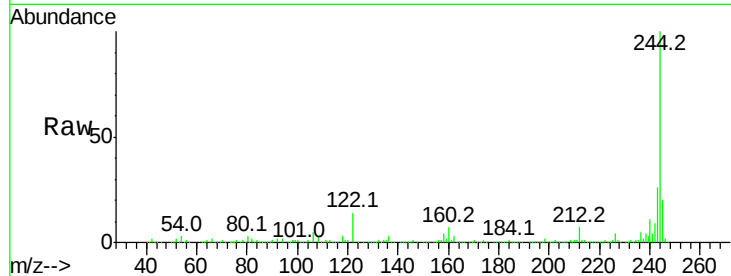
#78
 Terphenyl-d14
 Concen: 45.794 ng
 RT: 12.53 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: BF097310.D
 Acq: 3 Aug 2017 10:08

Instrument :
 BNA_F
 ClientSampleId :
 E2-L6-NSW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	14.1	10.3	15.5

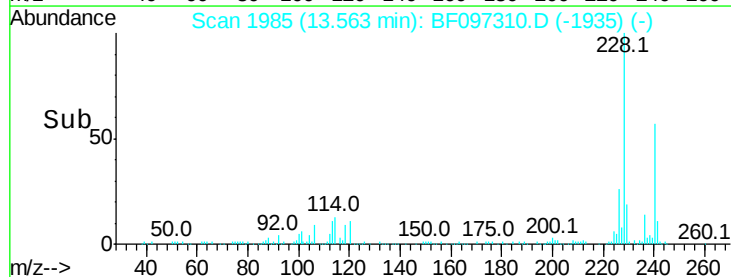
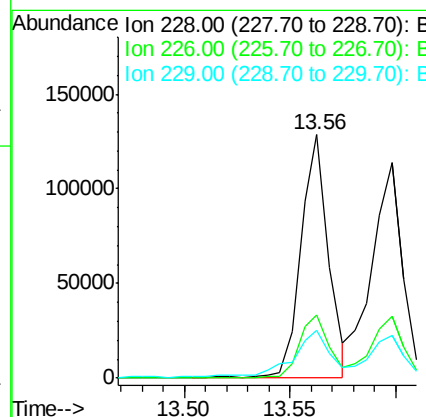
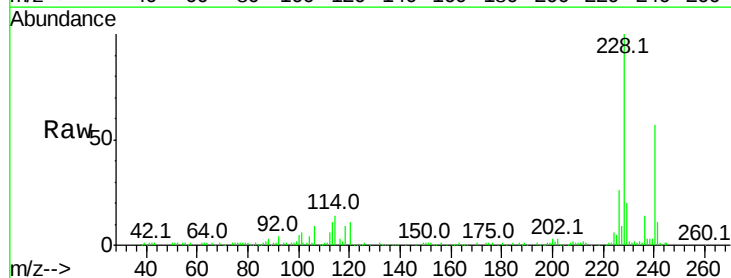
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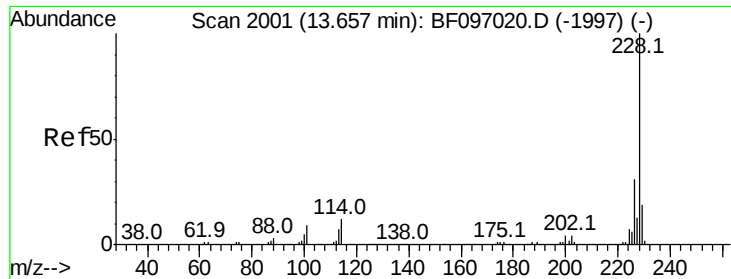
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#80
 Benzo(a)anthracene
 Concen: 9.070 ng
 RT: 13.56 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BF097310.D
 Acq: 3 Aug 2017 10:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.6	33.8
229	19.7	16.3	24.5





#82

Chrysene

Concen: 9.410 ng

RT: 13.60 min Scan# 1991

Delta R.T. -0.01 min

Lab File: BF097310.D

Acq: 3 Aug 2017 10:08

Instrument :

BNA_F

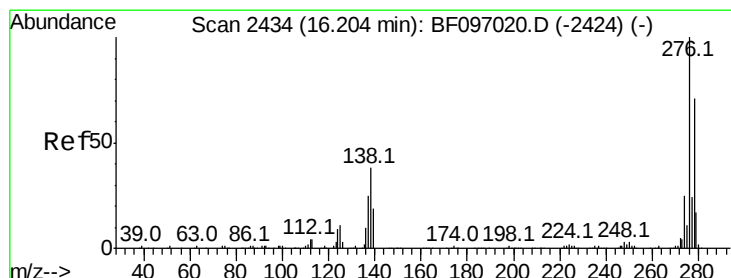
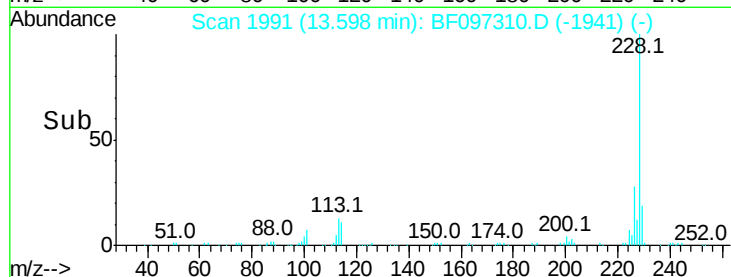
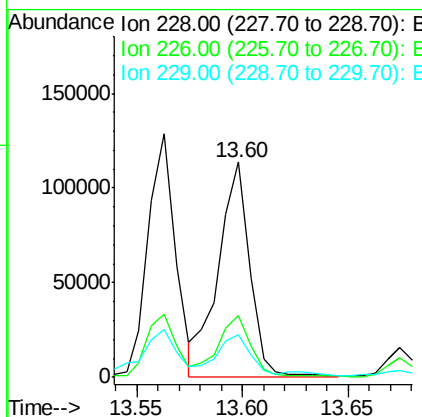
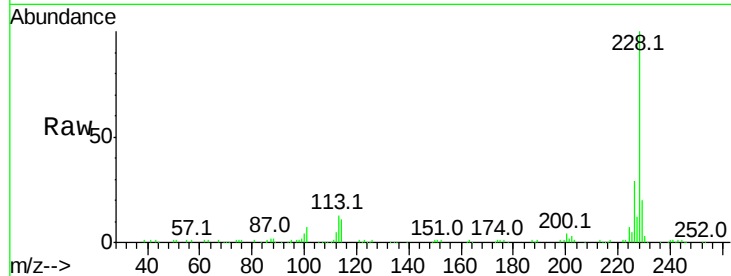
ClientSampleId :

E2-L6-NSW

Tot Ion:	228	Resp:	116708
Ion Ratio		Lower	Upper
228	100		
226	28.8	24.9	37.3
229	19.6	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.921 ng

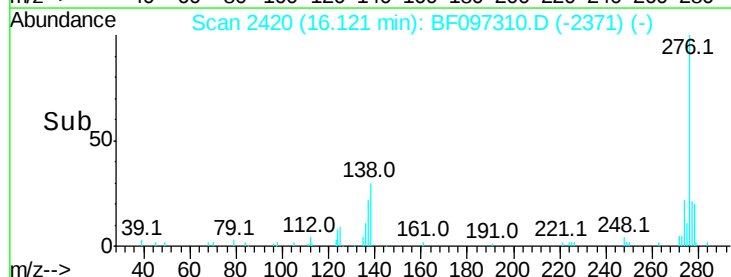
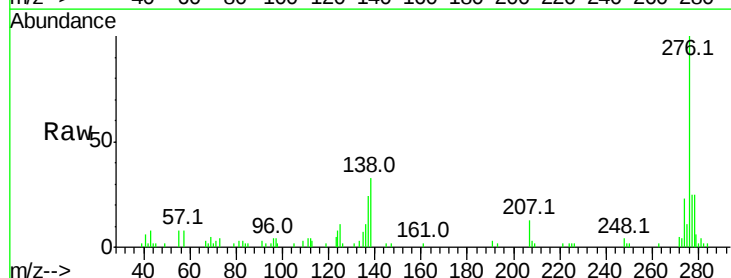
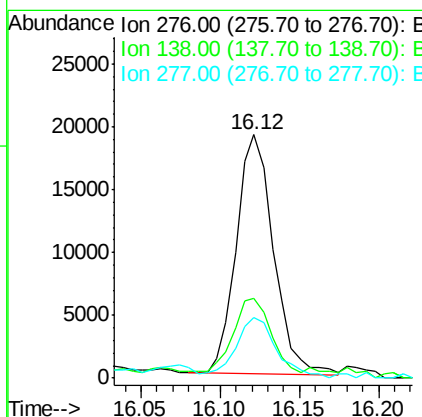
RT: 16.12 min Scan# 2420

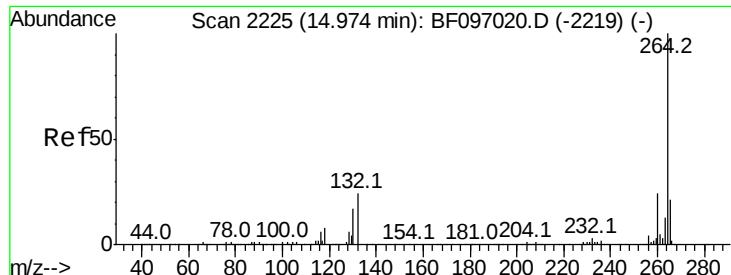
Delta R.T. -0.01 min

Lab File: BF097310.D

Acq: 3 Aug 2017 10:08

Tgt Ion:	276	Resp:	31062
Ion Ratio		Lower	Upper
276	100		
138	32.1	27.8	41.6
277	28.0	20.2	30.4





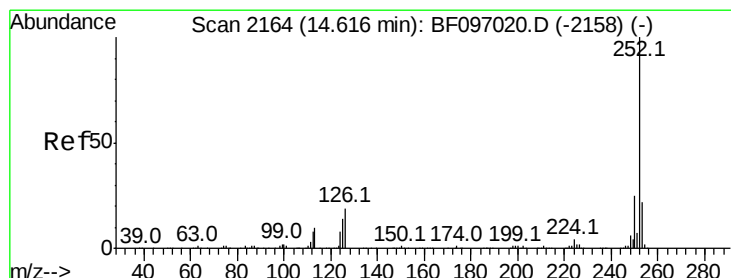
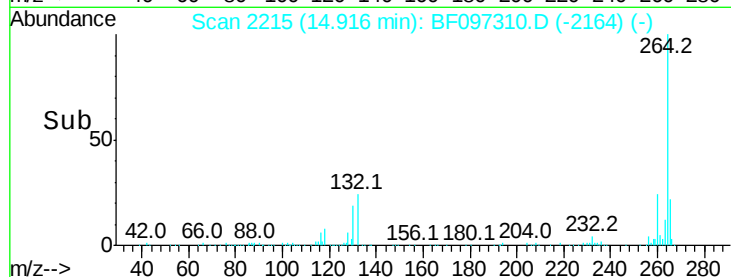
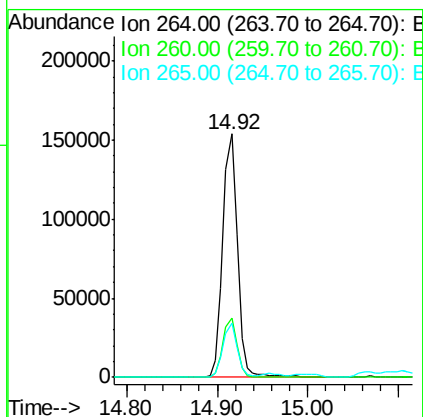
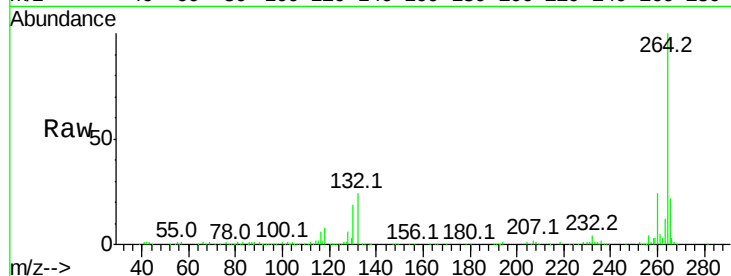
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.92 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.4	17.2	25.8

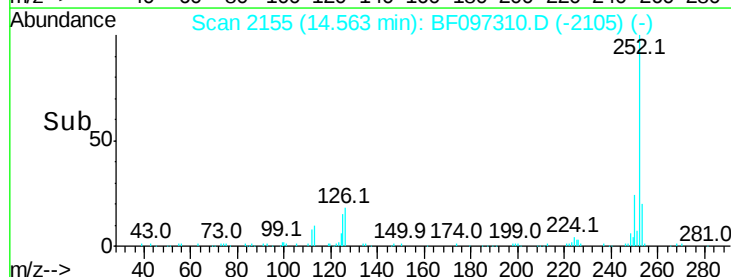
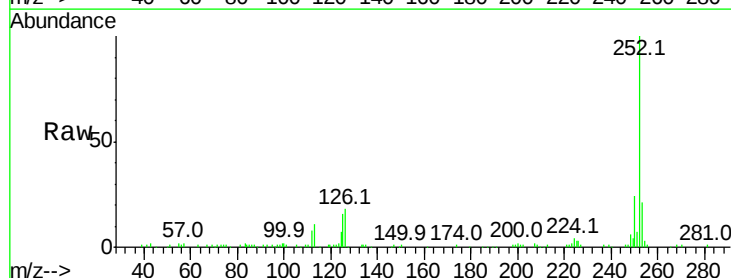
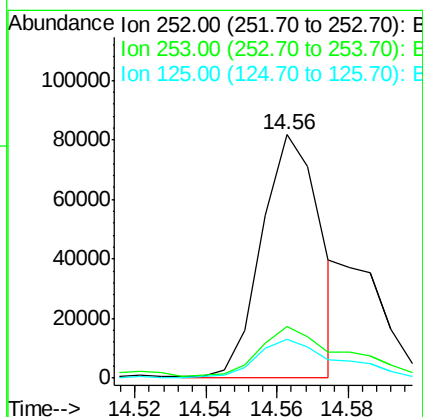
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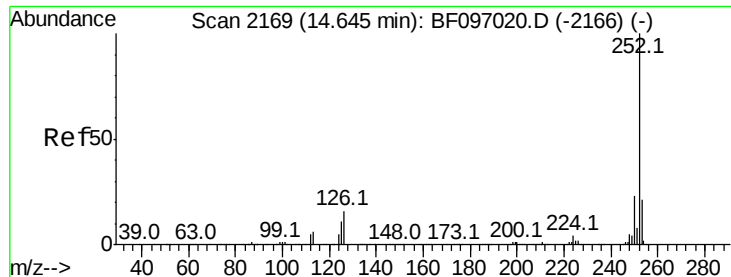
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#87
Benzo(b)fluoranthene
Concen: 9.062 ng m
RT: 14.56 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.1	27.1
125	15.9	9.8	14.8#





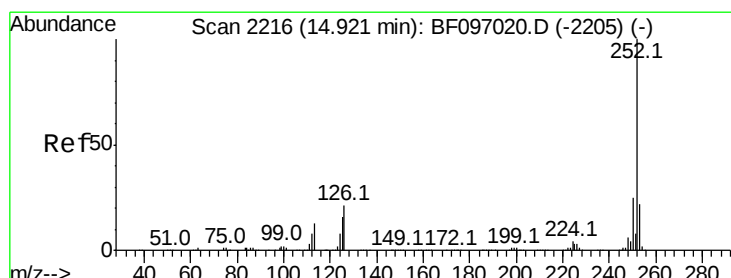
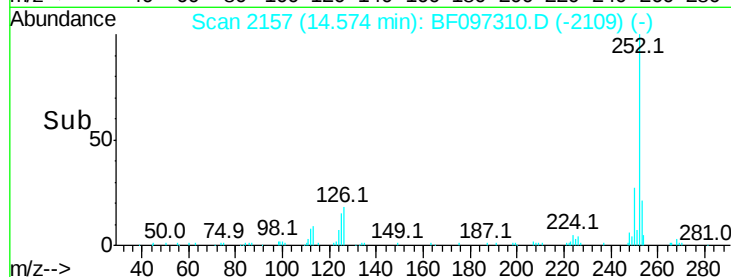
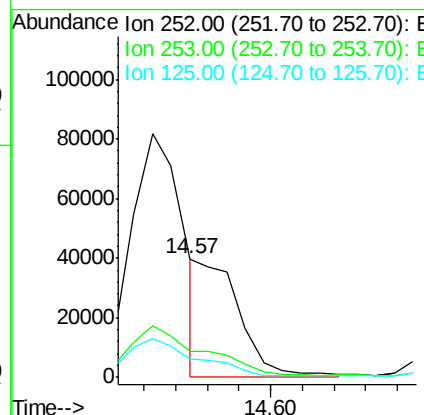
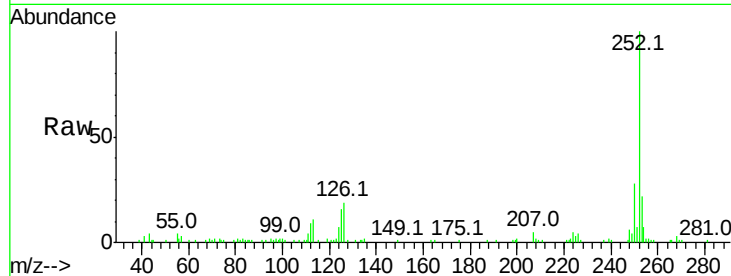
#88
Benzo(k)fluoranthene
Concen: 3.556 ng m
RT: 14.57 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Instrument :
BNA_F
ClientSampleId :
E2-L6-NSW

Tot Ion:	252	Resp:	35131
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.4	27.6
125	15.9	13.1	19.7

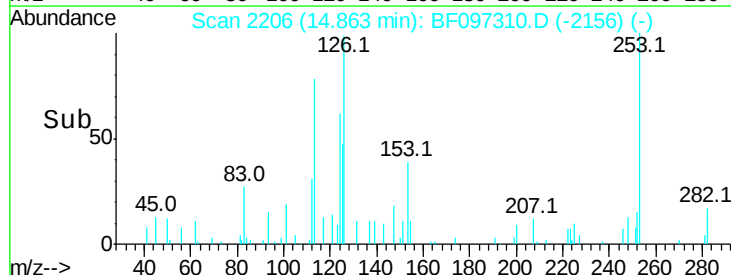
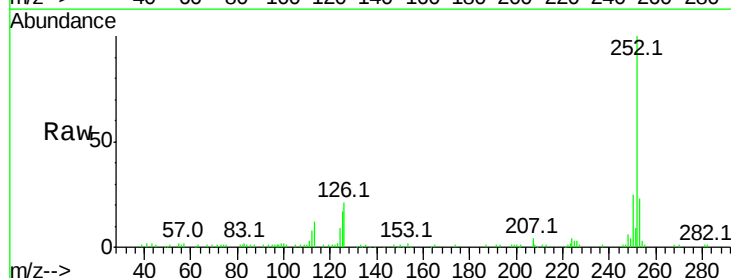
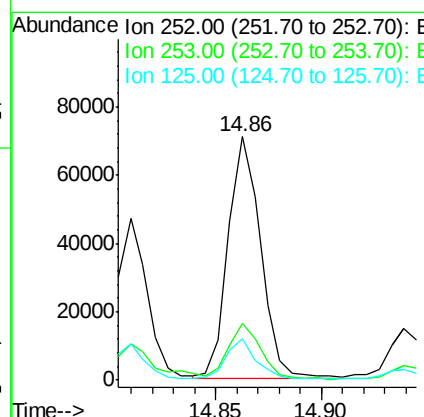
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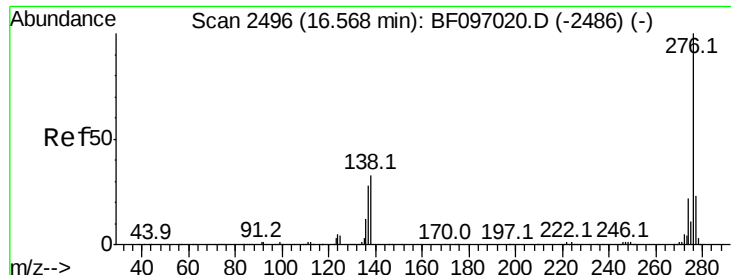
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#89
Benzo(a)pyrene
Concen: 7.996 ng
RT: 14.86 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF097310.D
Acq: 3 Aug 2017 10:08

Tgt Ion:	252	Resp:	75862
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	16.8	11.0	16.4#





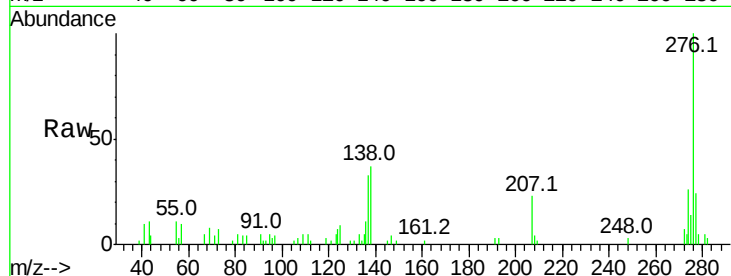
#91
 Benzo(a,h,i)perylene
 Concen: 3.575 ng
 RT: 16.48 min Scan# 2481
 Delta R.T. -0.01 min
 Lab File: BF097310.D
 Acq: 3 Aug 2017 10:08

Instrument :
 BNA_F
 ClientSampleId :
 E2-L6-NSW

Tot Ion:	276	Resp:	29166
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.6	28.0
138	36.7	25.4	38.0

Manual Integrations
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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

