

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
 Data File : BF097631.D
 Acq On : 12 Aug 2017 10:57
 Operator : SJ/JU
 Sample : I4736-04 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-34-COMP

Manual Integrations
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Quant Time: Aug 14 02:07:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 15:55:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	97693	20.00	ng	0.00
21) Naphthalene-d8	9.54	136	417257	20.00	ng	0.00
38) Acenaphthene-d10	12.36	164	174851	20.00	ng	0.00
63) Phenanthrene-d10	14.76	188	273066	20.00	ng	0.00
75) Chrysene-d12	18.46	240	201732	20.00	ng	0.00
86) Perylene-d12	20.13	264	198573	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	100245	16.31	ng	0.05
7) Phenol-d6	7.09	99	118290	15.51	ng	0.04
23) Nitrobenzene-d5	8.43	82	71227	10.70	ng	0.01
41) 2,4,6-Tribromophenol	13.67	330	19643	14.78	ng	0.00
44) 2-Fluorobiphenyl	11.32	172	128925	11.13	ng	0.00
78) Terphenyl-d14	17.12	244	87777	9.01	ng	0.00
Target Compounds						
31) Naphthalene	9.57	128	159307	7.622	ng	97
37) 2-Methylnaphthalene	10.70	142	67299	5.118	ng	98
51) Acenaphthene	12.42	154	56918	5.187	ng	97
57) Fluorene	13.26	166	40102	3.174	ng	96
70) Phenanthrene	14.80	178	200965	12.778	ng	98
71) Anthracene	14.89	178	43376m	2.696	ng	
74) Fluoranthene	16.57	202	143806	10.119	ng	98
77) Pyrene	16.87	202	142225	8.525	ng	95
80) Benzo(a)anthracene	18.45	228	51760	4.393	ng	99
82) Chrysene	18.50	228	53476	4.563	ng	97
85) Indeno(1,2,3-cd)pyrene	21.37	276	19764	2.168	ng	98
87) Benzo(b)fluoranthene	19.73	252	55882m	4.687	ng	
89) Benzo(a)pyrene	20.08	252	48587	4.439	ng	96
91) Benzo(a,h,i)perylene	21.71	276	19387	2.255	ng	98

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

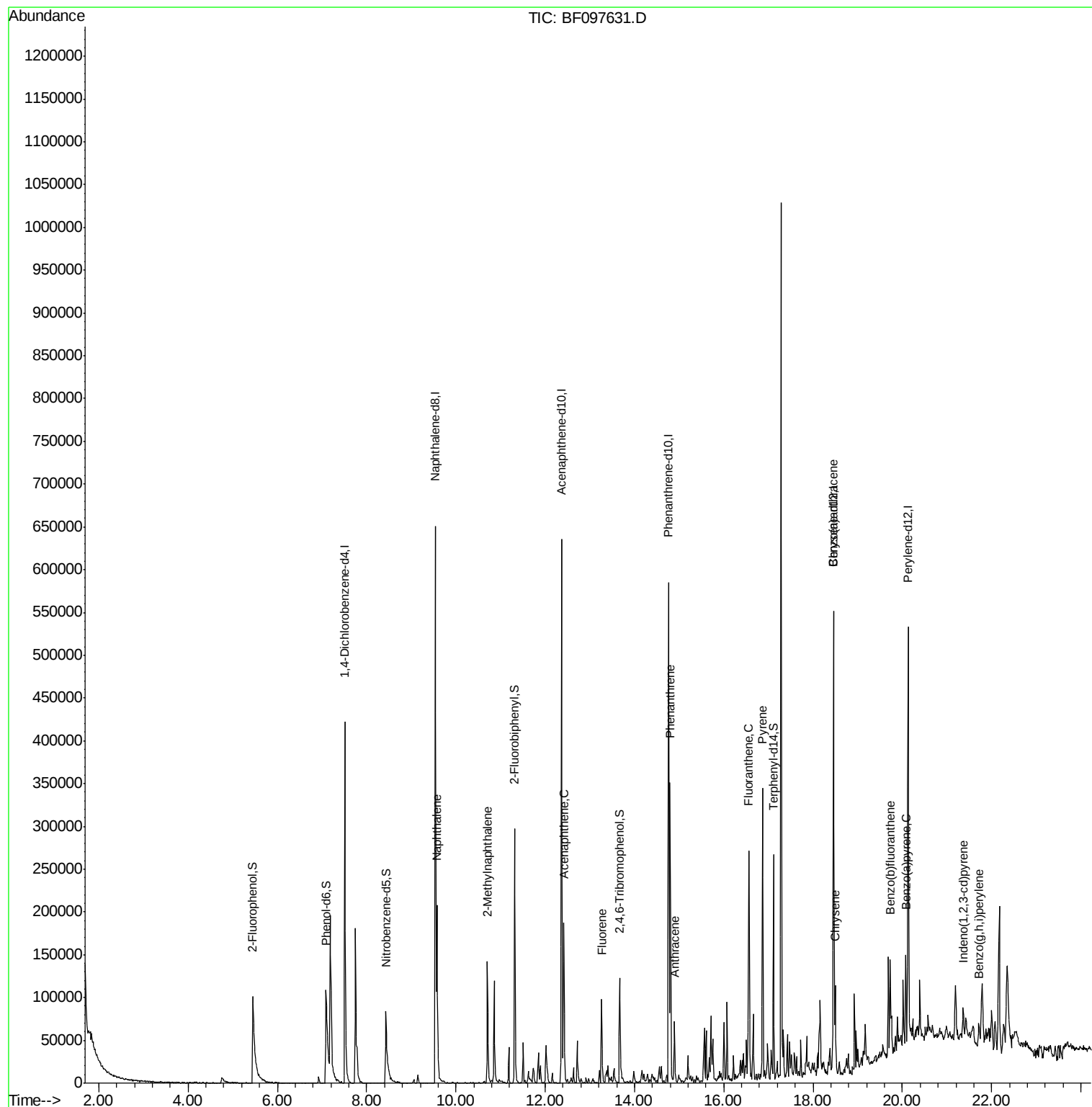
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081117\
Data File : BF097631.D
Acq On : 12 Aug 2017 10:57
Operator : SJ/JU
Sample : I4736-04 5X
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ALS Vial : 32 Sample Multiplier: 1

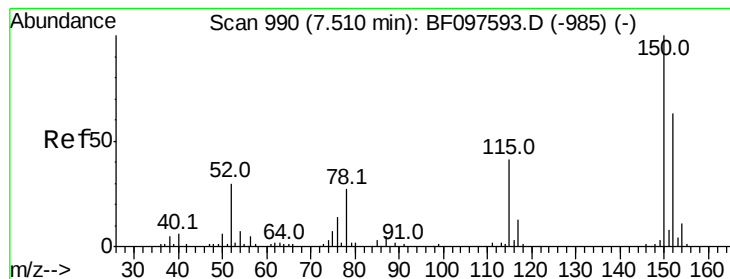
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

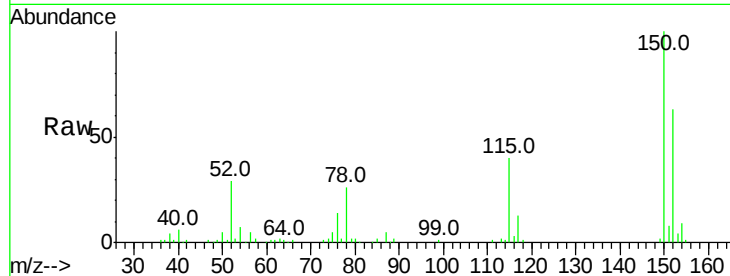
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.51 min Scan# 990
Delta R.T. -0.00 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

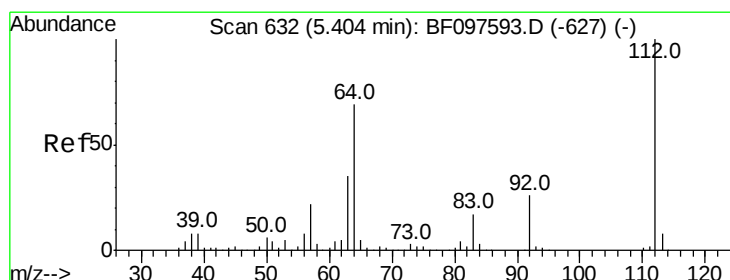
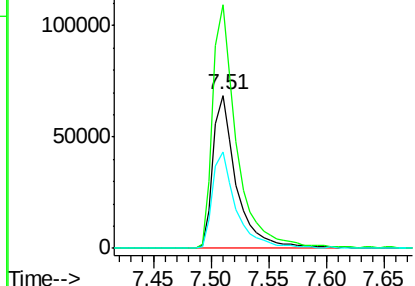
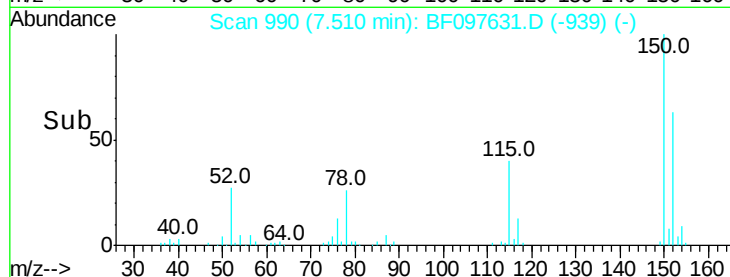
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	126.2	189.2
115	62.9	52.2	78.2

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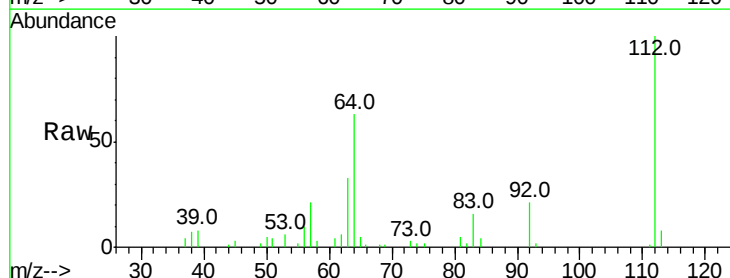
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



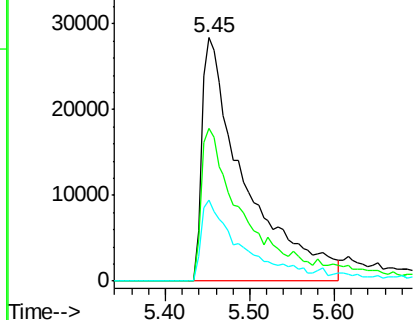
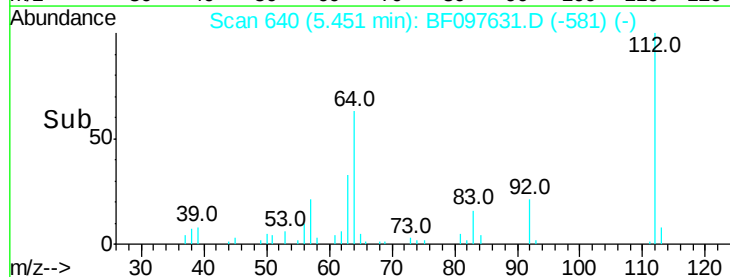
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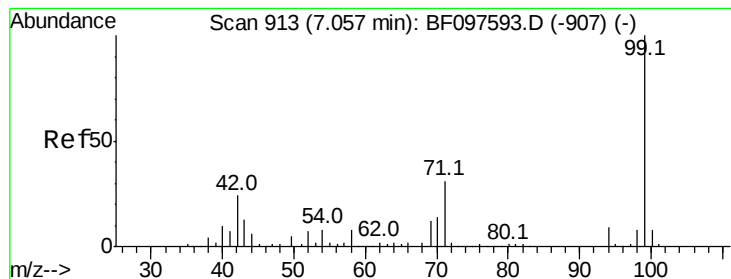
2-Fluorophenol
Concen: 16.310 ng
RT: 5.45 min Scan# 640
Delta R.T. 0.05 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.8	46.0	69.0
63	33.2	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: 15.515 ng

RT: 7.09 min Scan# 919

Delta R.T. 0.04 min

Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

Instrument :

BNA_F

ClientSampleId :

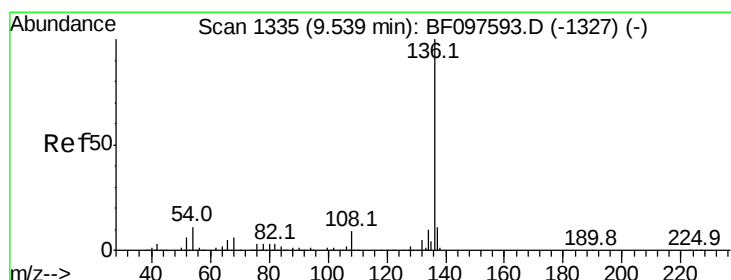
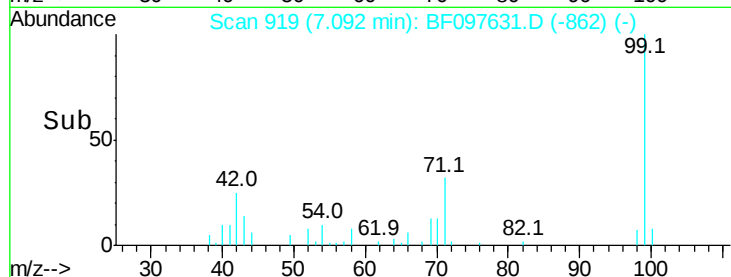
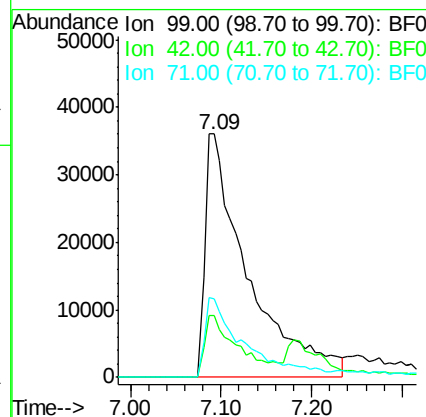
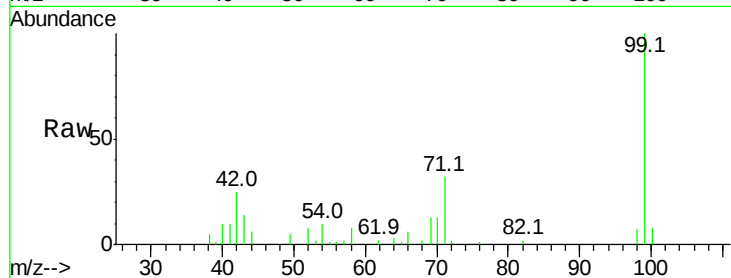
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Tot Ion: 99 Resp: 118290

Ion	Ratio	Lower	Upper
99	100		
42	25.3	13.5	20.3#
71	32.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 9.54 min Scan# 1335

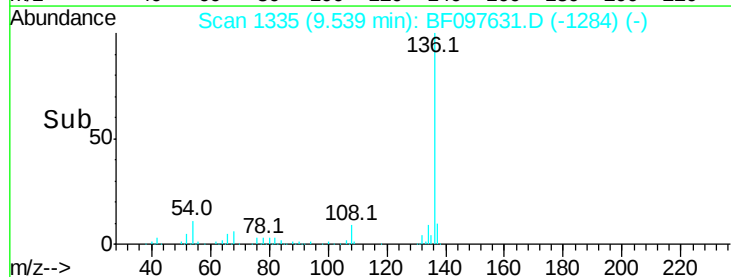
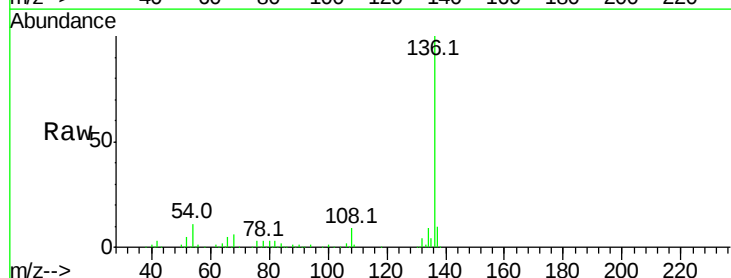
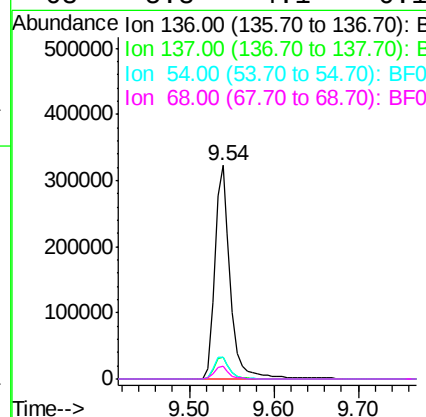
Delta R.T. -0.00 min

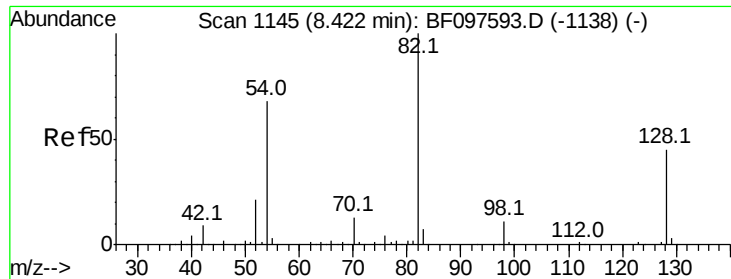
Lab File: BF097631.D

Acq: 12 Aug 2017 10:57

Tgt Ion: 136 Resp: 417257

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	10.5	4.9	7.3#
68	5.8	4.1	6.1





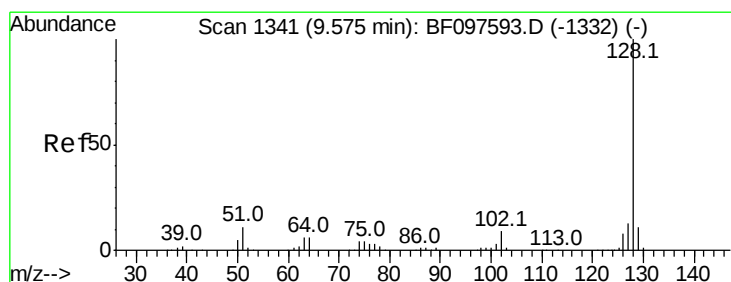
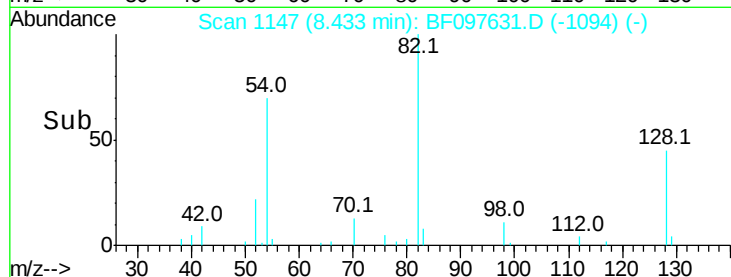
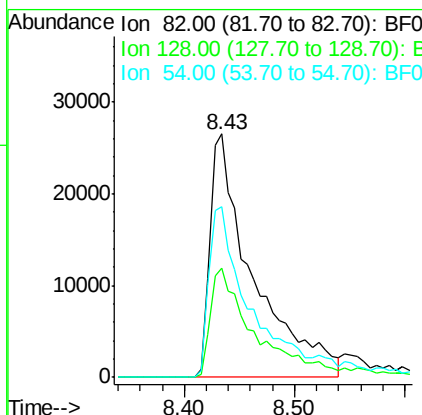
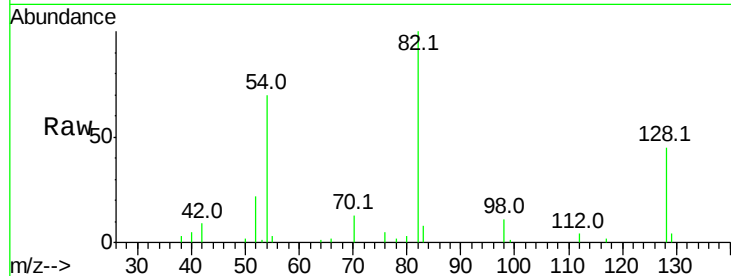
#23
Nitrobenzene-d5
Concen: 10.704 ng
RT: 8.43 min Scan# 1147
Delta R.T. 0.01 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.0	51.0
54	70.2	42.2	63.2

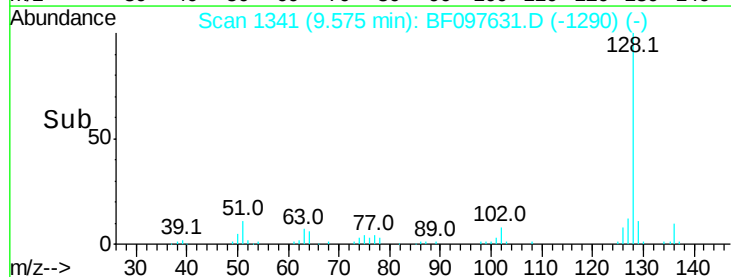
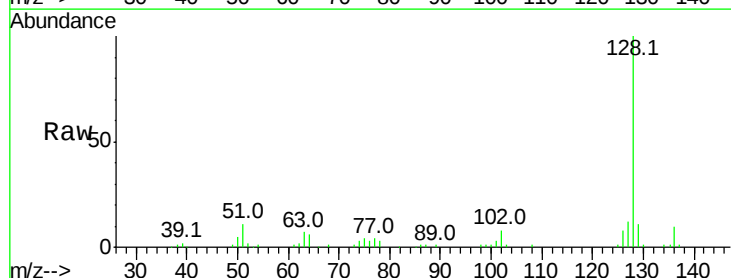
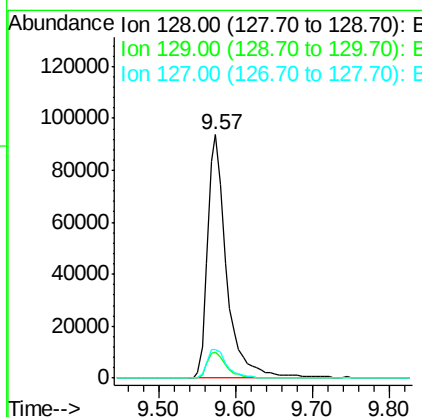
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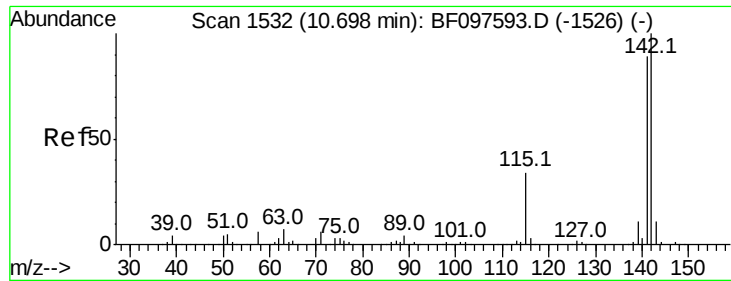
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#31
Naphthalene
Concen: 7.622 ng
RT: 9.57 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	12.0	10.8	16.2





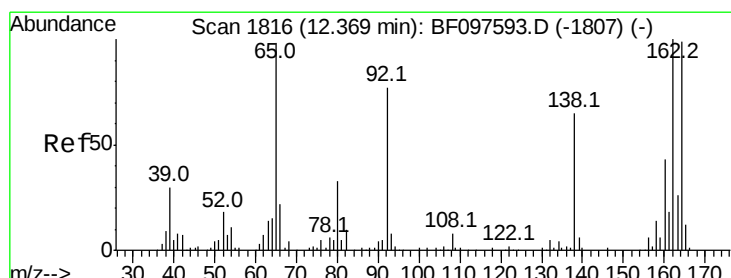
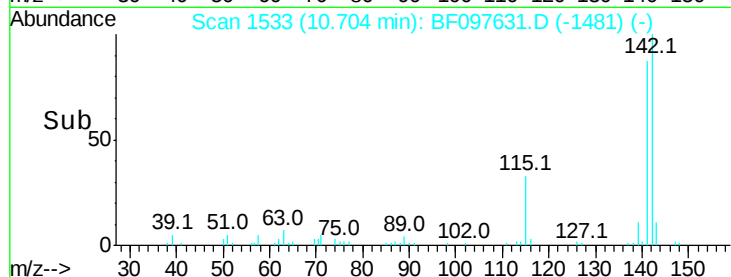
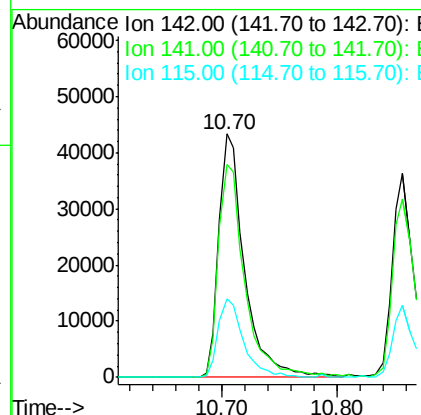
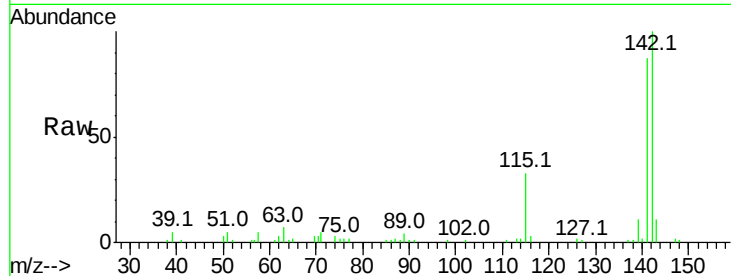
#37
2-Methylnaphthalene
Concen: 5.118 ng
RT: 10.70 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.3	106.9
115	32.5	27.1	40.7

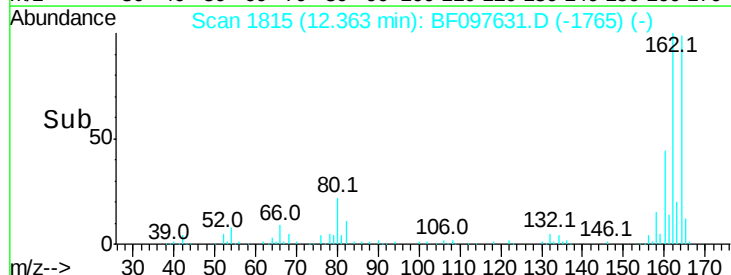
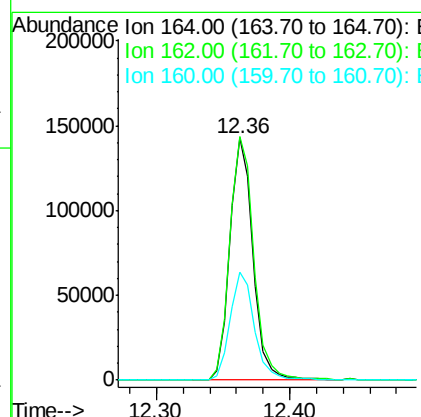
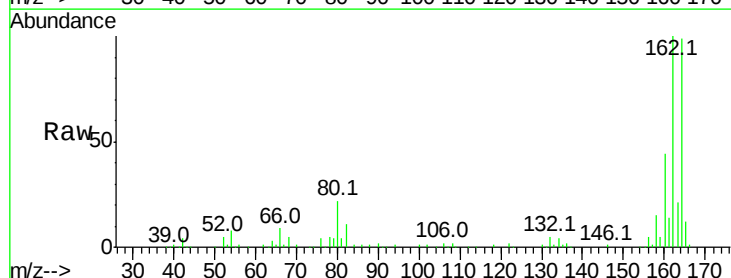
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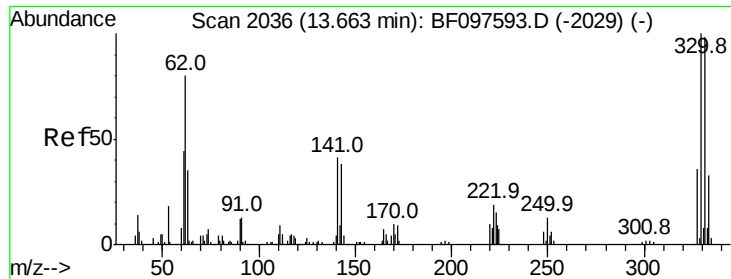
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.36 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.6	123.8
160	44.7	36.2	54.2





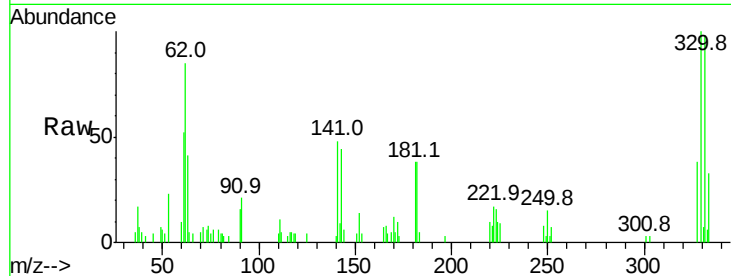
#41
 2,4,6-Tribromophenol
 Concen: 14.778 ng
 RT: 13.67 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-34-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.5	76.6	115.0	
141	48.1	31.4	47.2#	

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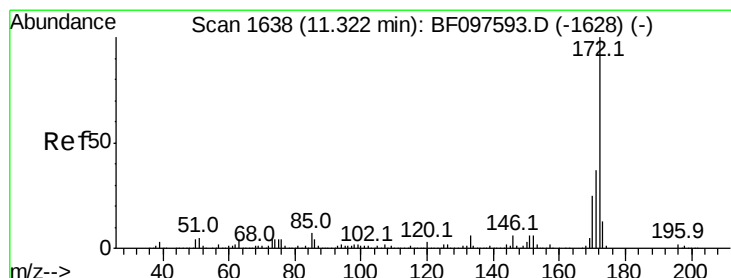
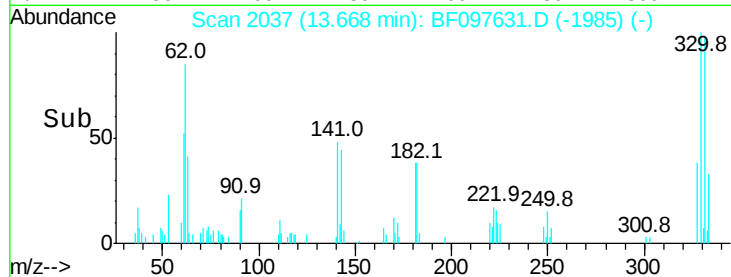
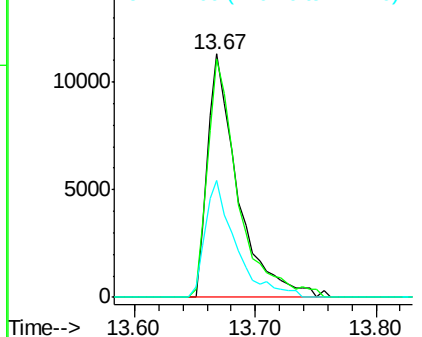


Abundance

Ion 329.80 (329.50 to 330.50): E

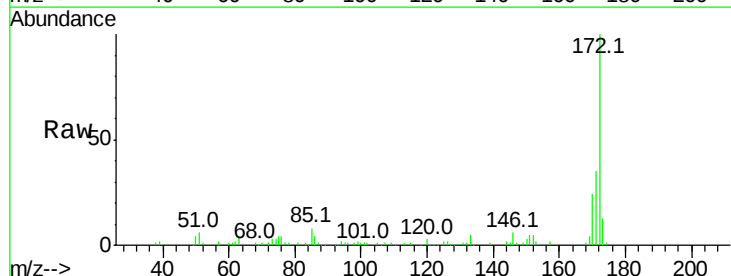
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 11.128 ng
 RT: 11.32 min Scan# 1637
 Delta R.T. -0.01 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.6	44.4	
170	24.0	19.8	29.8	

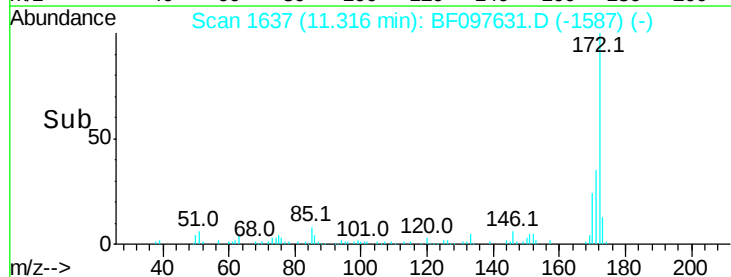
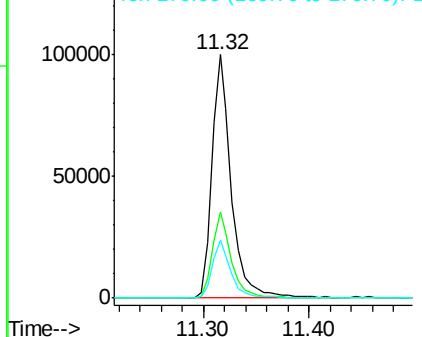


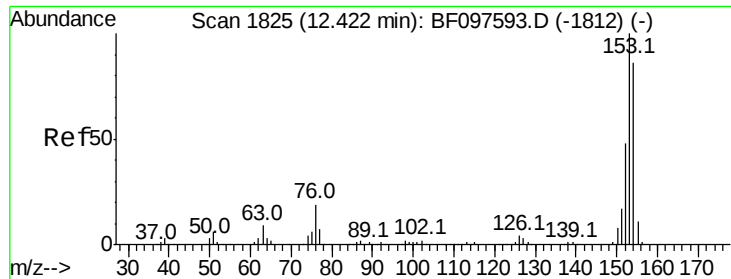
Abundance

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





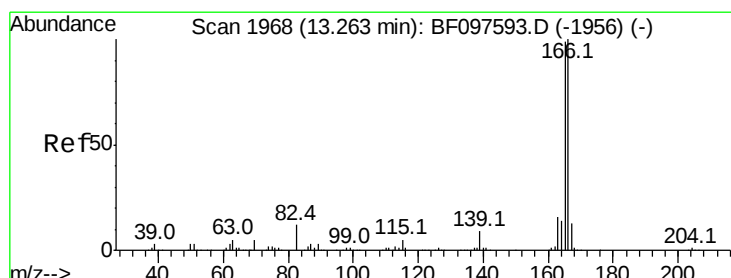
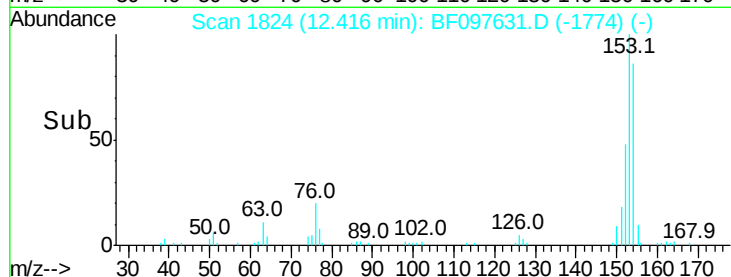
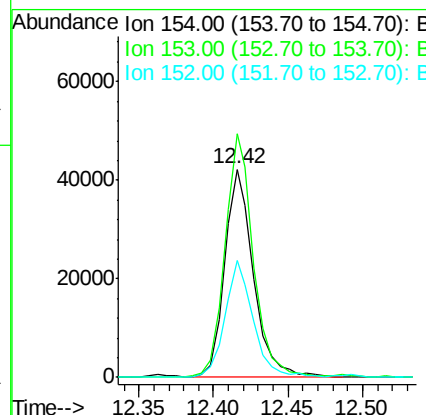
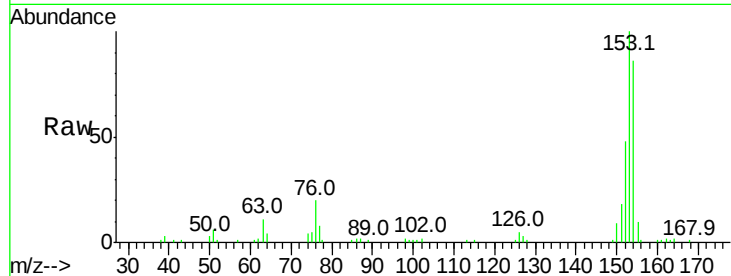
#51
Acenaphthene
Concen: 5.187 ng
RT: 12.42 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

Tot Ion	Ratio	Lower	Upper
154	100		
153	116.9	90.5	135.7
152	56.0	43.6	65.4

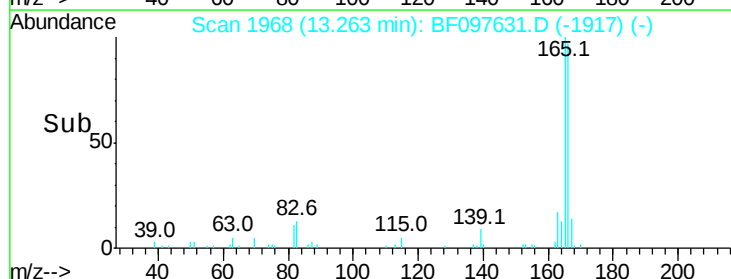
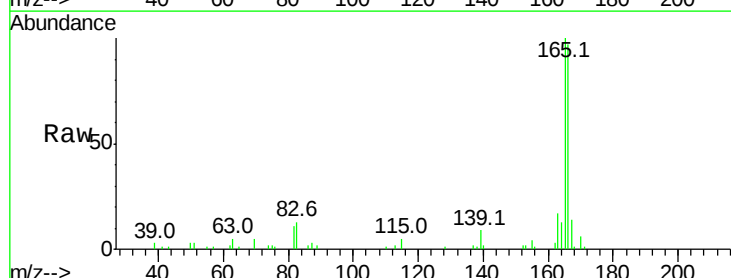
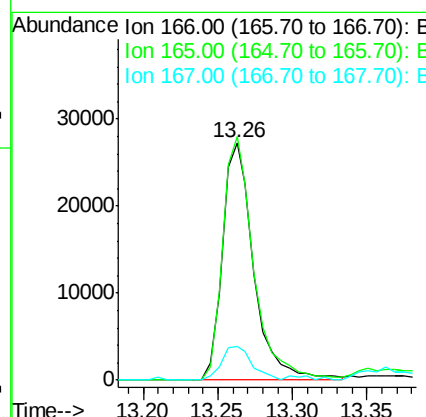
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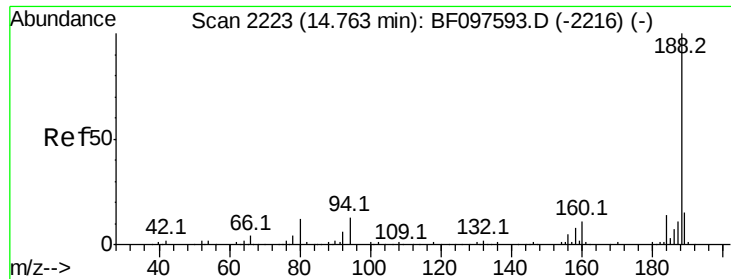
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#57
Fluorene
Concen: 3.174 ng
RT: 13.26 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.6	78.8	118.2
167	14.5	10.6	16.0





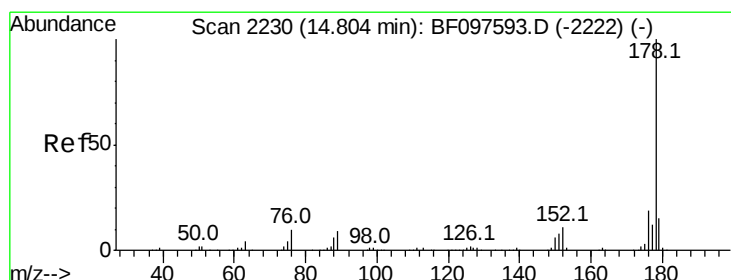
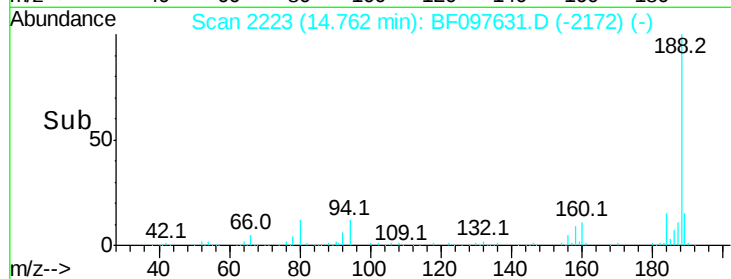
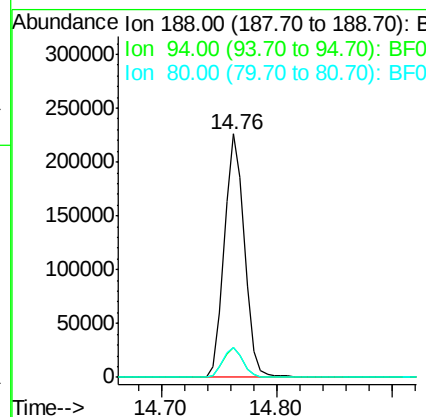
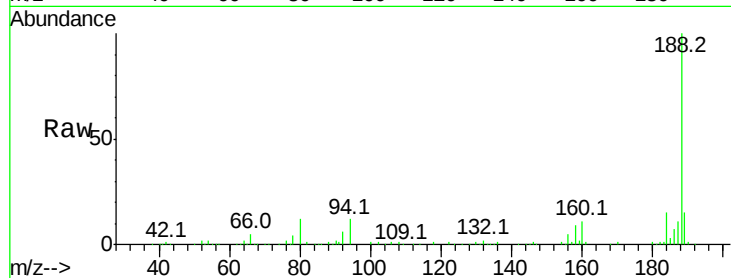
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 2223
Delta R.T. -0.00 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	273066		
94	12.2		9.4	14.2
80	12.2		10.2	15.2

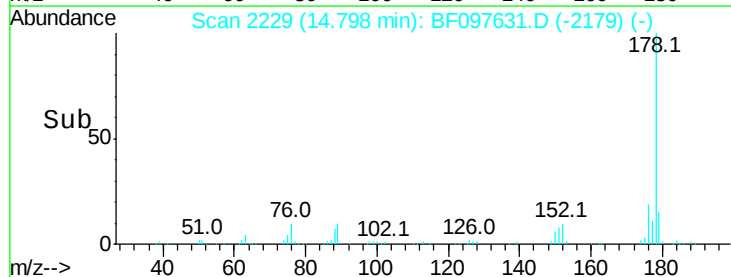
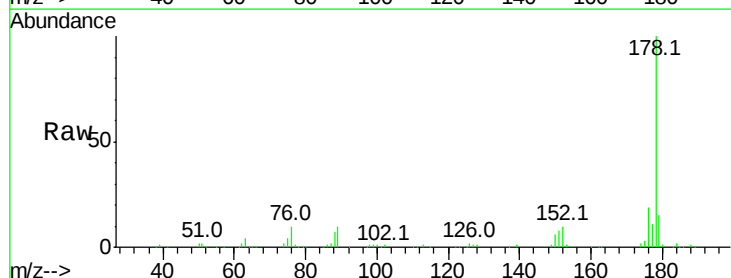
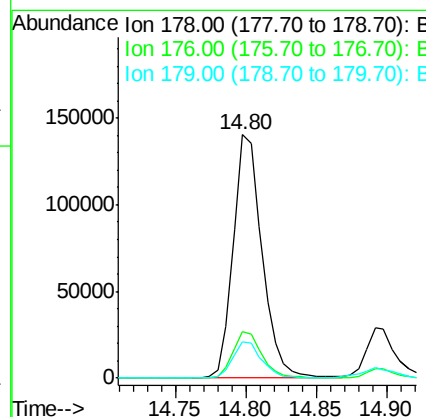
Manual Integrations
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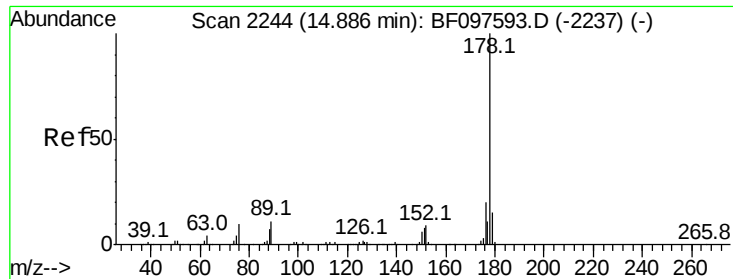
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#70
Phenanthrene
Concen: 12.778 ng
RT: 14.80 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	200965		
176	19.0		16.2	24.4
179	15.1		12.6	19.0





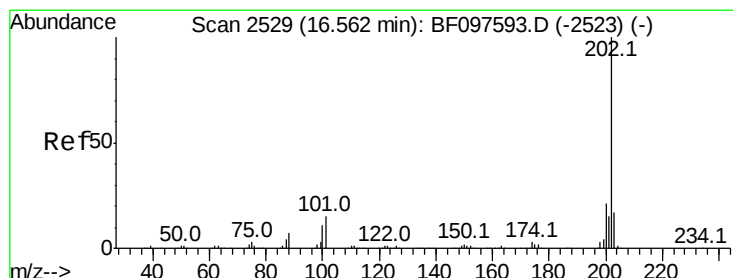
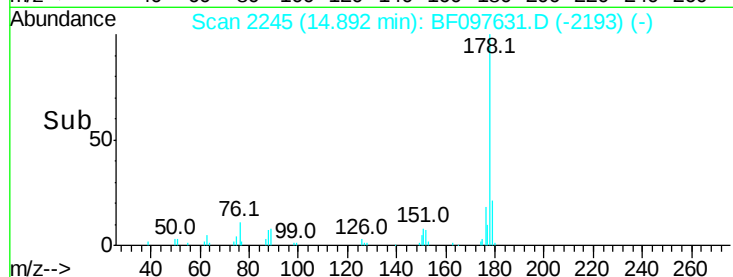
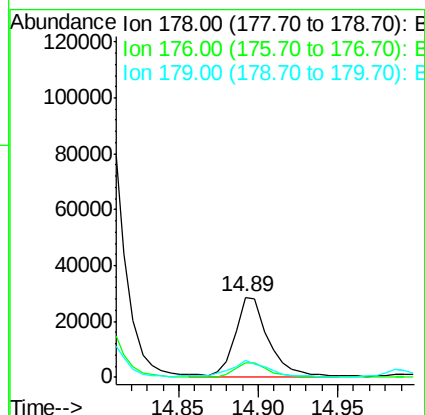
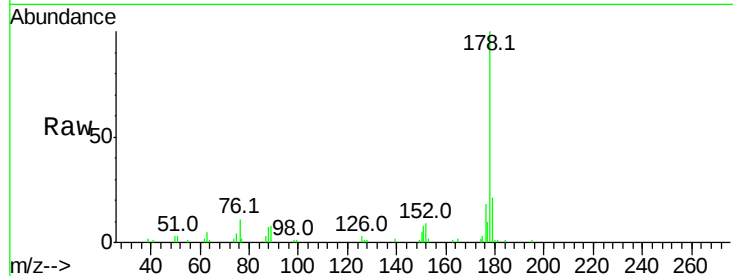
#71
 Anthracene
 Concen: 2.696 ng/mL
 RT: 14.89 min Scan# 2245
 Delta R.T. 0.01 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-34-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	20.7	12.7	19.1

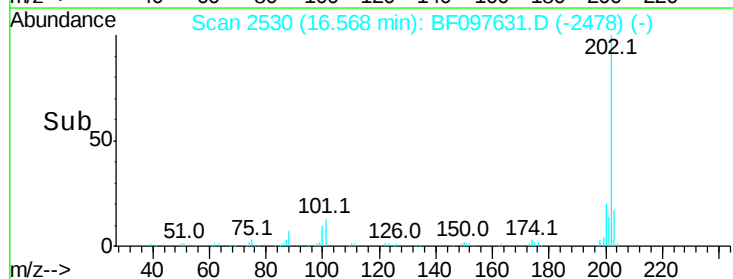
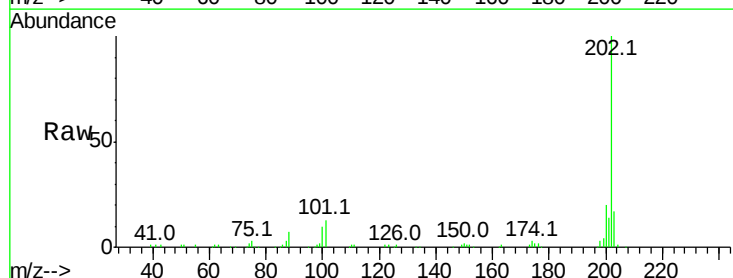
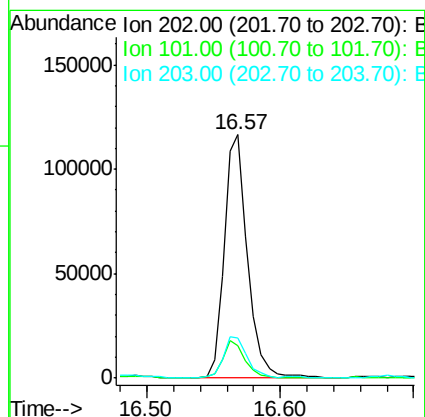
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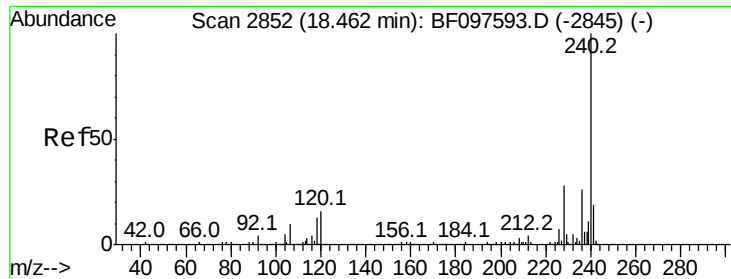
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#74
 Fluoranthene
 Concen: 10.119 ng/mL
 RT: 16.57 min Scan# 2530
 Delta R.T. 0.01 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.2
203	16.5	0.0	38.1





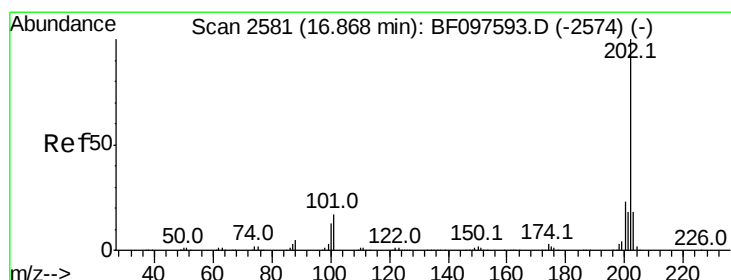
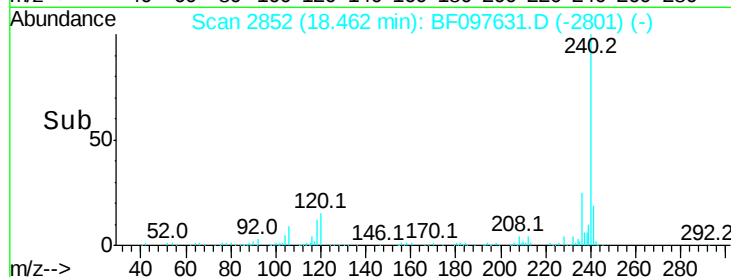
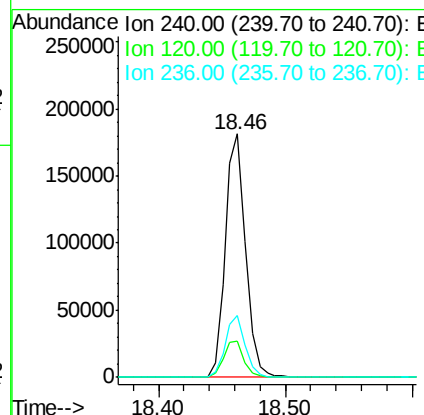
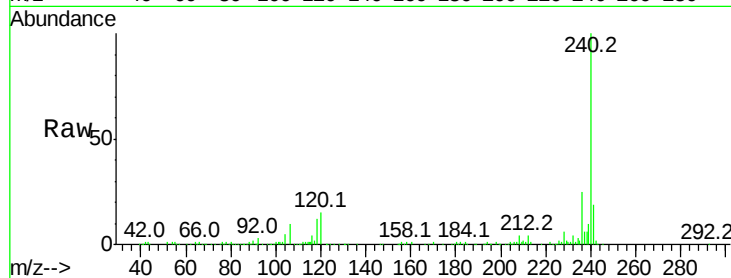
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.46 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Instrument :
 BNA_F
 ClientSampleId :
 SB-34-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	25.4	20.5	30.7

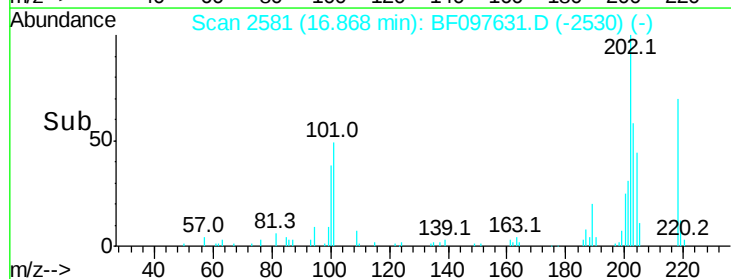
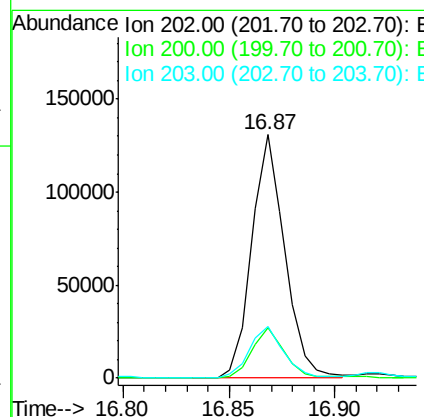
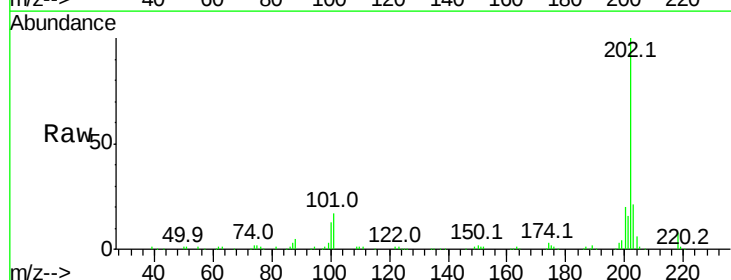
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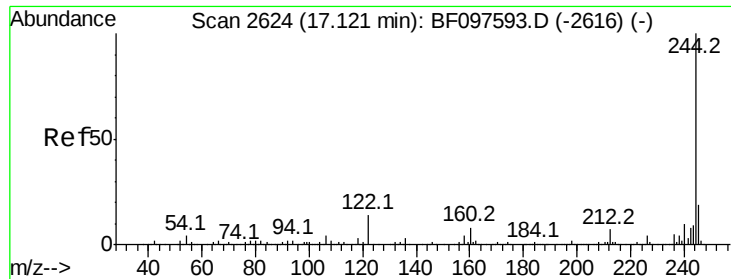
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#77
 Pyrene
 Concen: 8.525 ng
 RT: 16.87 min Scan# 2581
 Delta R.T. -0.00 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	21.0	14.4	21.6





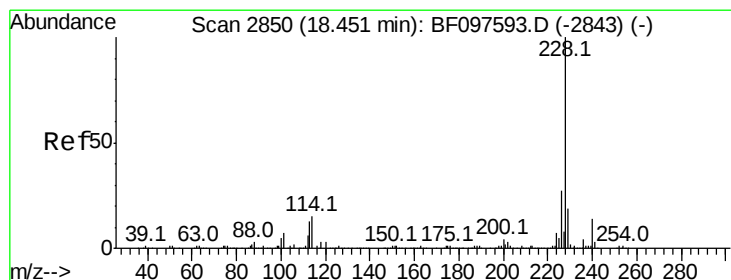
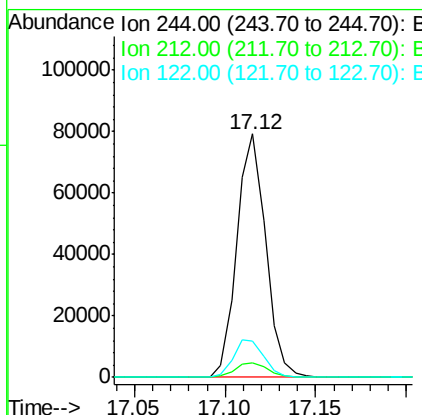
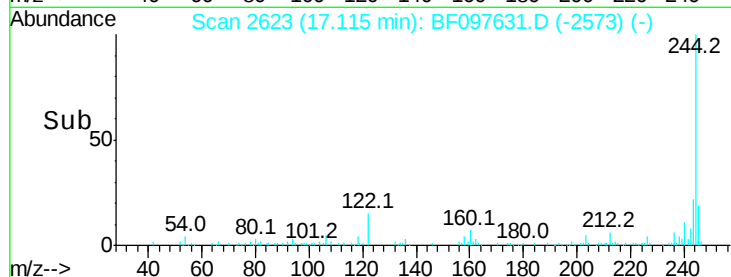
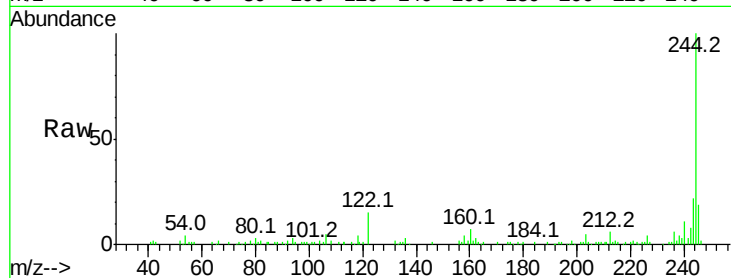
#78
 Terphenyl-d14
 Concen: 9.005 ng
 RT: 17.12 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Instrument :
 BNA_F
 ClientSampled :
 SB-34-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	6.0	9.0
122	15.1	10.3	15.5

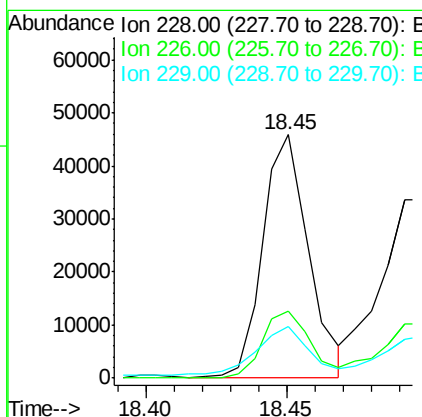
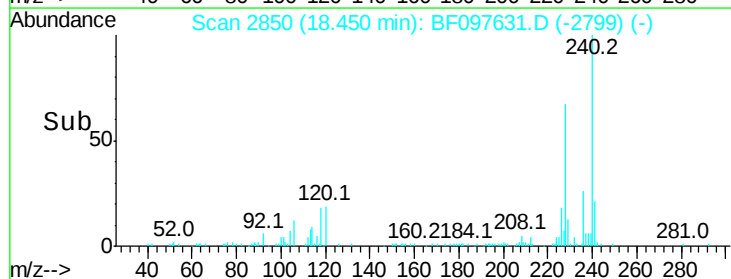
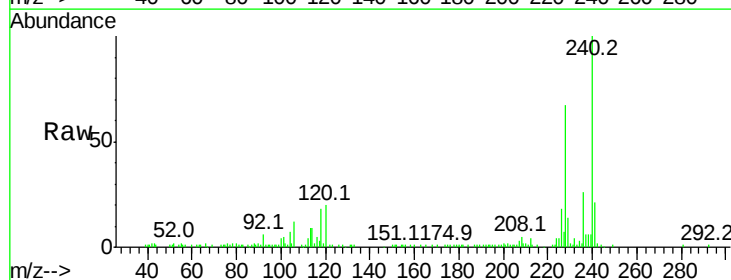
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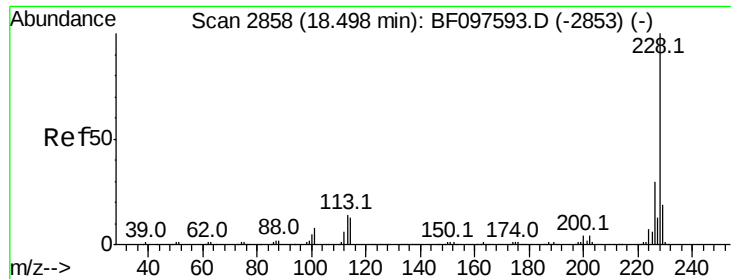
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#80
 Benzo(a)anthracene
 Concen: 4.393 ng
 RT: 18.45 min Scan# 2850
 Delta R.T. -0.00 min
 Lab File: BF097631.D
 Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	21.3	16.3	24.5





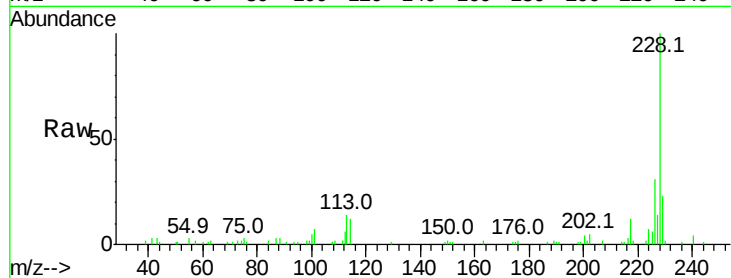
#82
Chrysene
Concen: 4.563 ng
RT: 18.50 min Scan# 2858
Delta R.T. -0.00 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

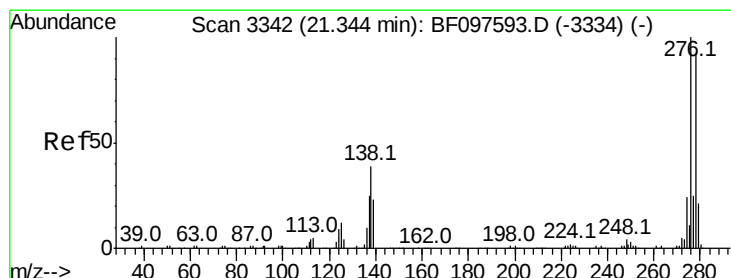
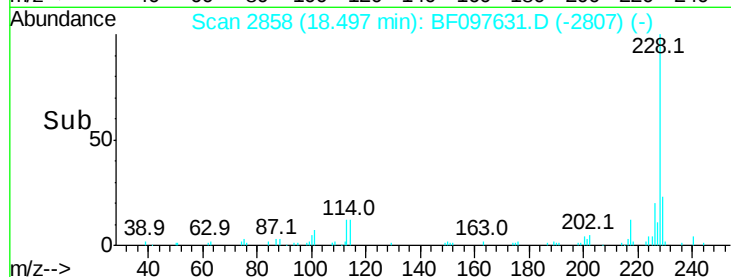
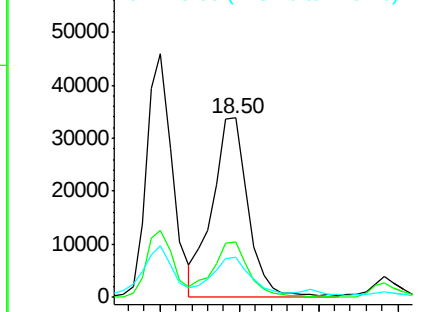
Tot Ion:	228	Resp:	53476
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.9	37.3
229	22.7	15.8	23.6

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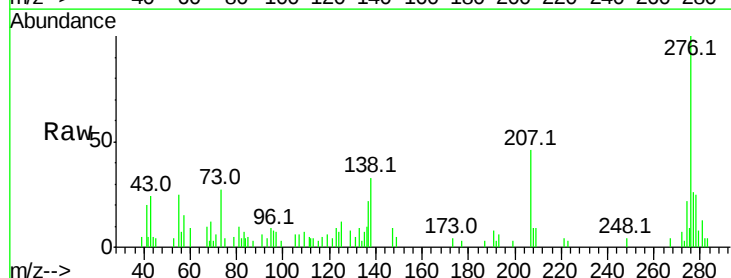


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

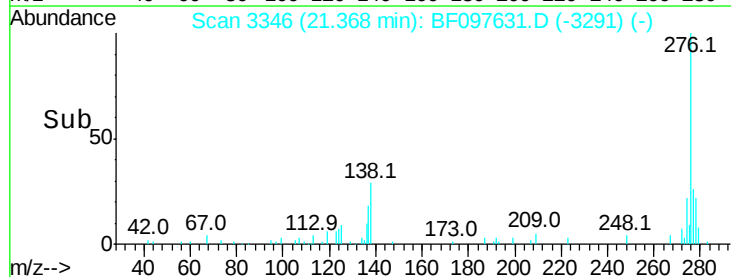
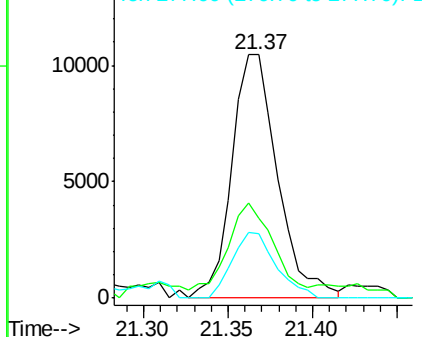


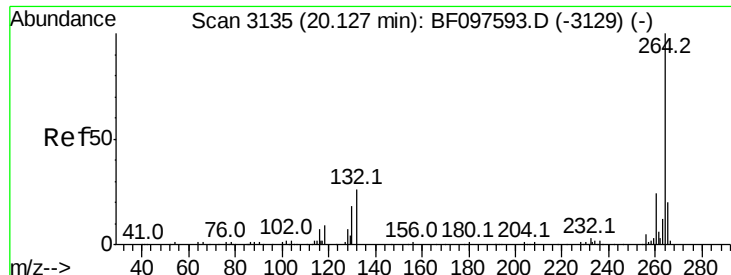
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.168 ng
RT: 21.37 min Scan# 3346
Delta R.T. 0.02 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion:	276	Resp:	19764
Ion Ratio	Lower	Upper	
276	100		
138	33.1	27.8	41.6
277	25.6	20.2	30.4



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





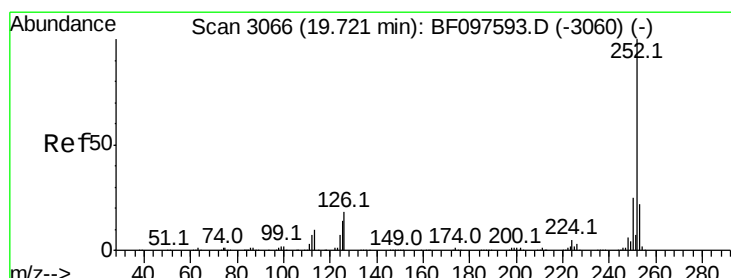
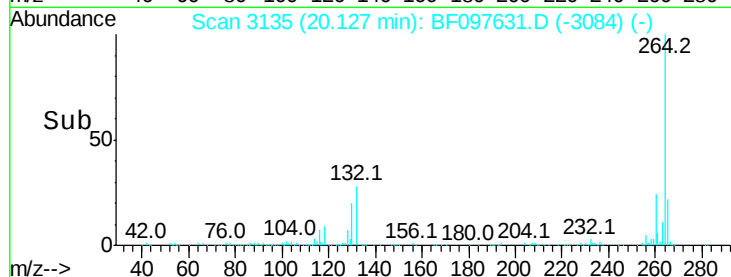
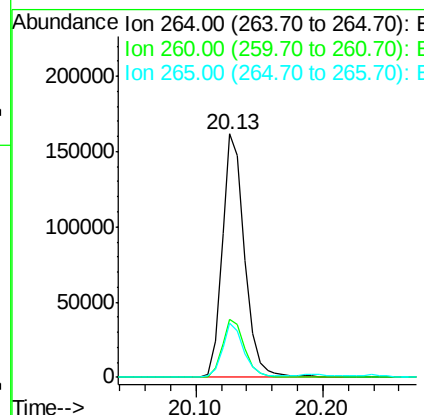
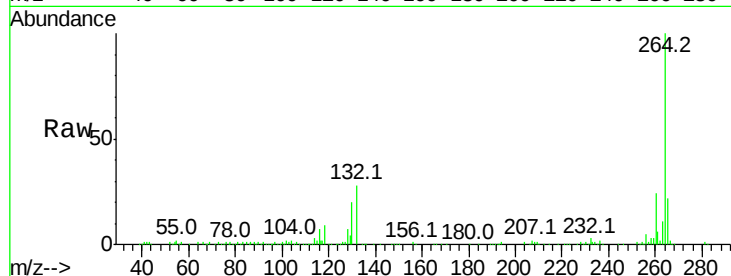
#86
Pervlene-d12
Concen: 20.000 ng
RT: 20.13 min Scan# 3135
Delta R.T. -0.00 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	22.5	17.2	25.8

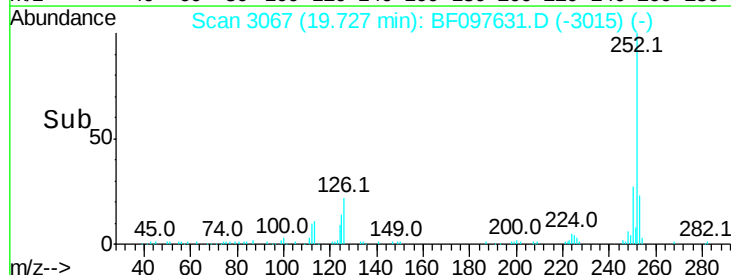
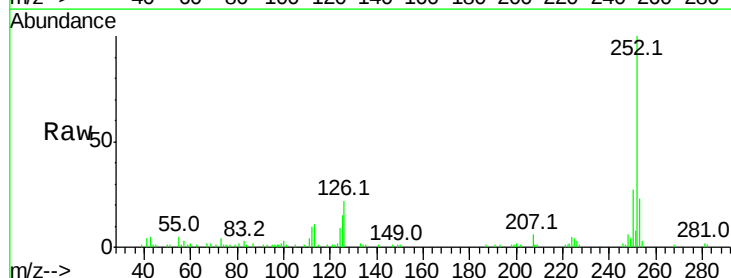
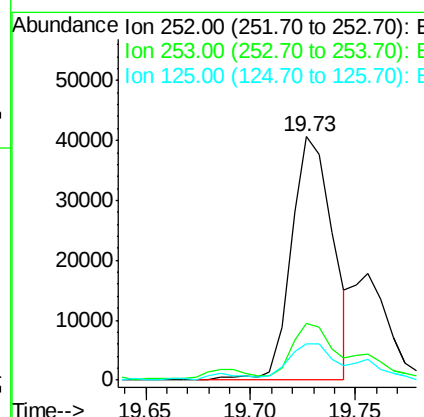
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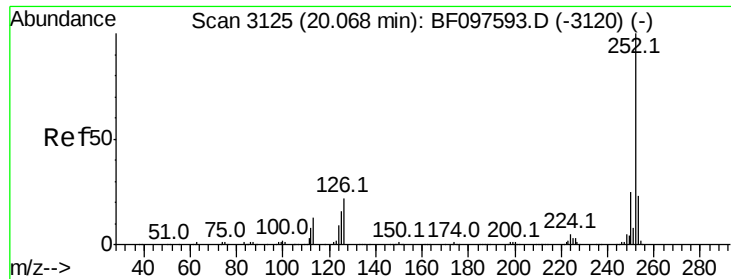
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#87
Benzo(b)fluoranthene
Concen: 4.687 ng m
RT: 19.73 min Scan# 3067
Delta R.T. 0.01 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	14.8	9.8	14.8#





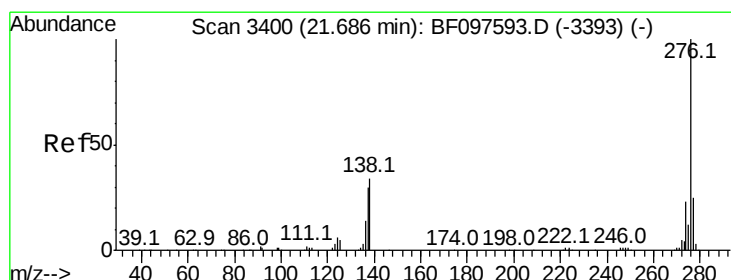
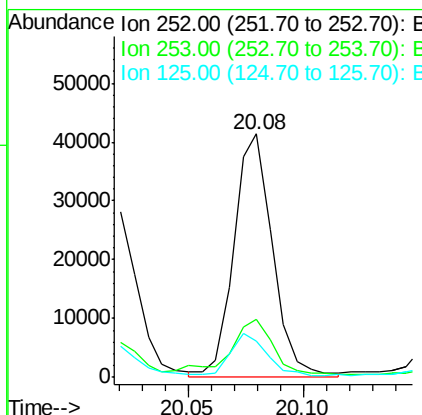
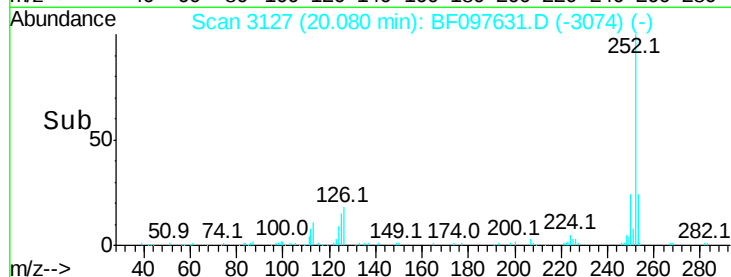
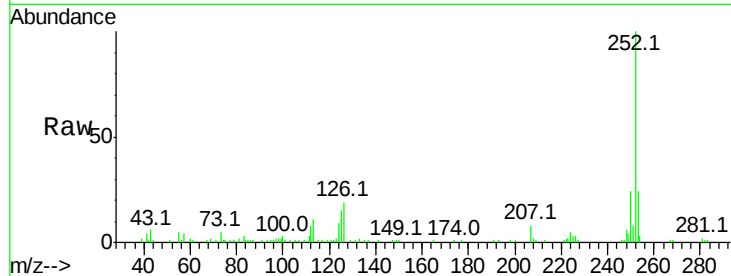
#89
Benzo(a)pyrene
Concen: 4.439 ng
RT: 20.08 min Scan# 3127
Delta R.T. 0.01 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Instrument :
BNA_F
ClientSampleId :
SB-34-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	15.0	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.255 ng
RT: 21.71 min Scan# 3405
Delta R.T. 0.03 min
Lab File: BF097631.D
Acq: 12 Aug 2017 10:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	32.8	25.4	38.0

