

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095420.D
 Acq On : 25 May 2017 11:29
 Operator : SJ/MA
 Sample : I3241-16DL 10X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC2(0-6)DL

Manual Integrations
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Quant Time: May 25 16:39:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	63719	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	254957m	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	100460	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	173400	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	157500	20.00	ng	-0.02
86) Perylene-d12	20.36	264	117380	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.87	112	41227m	10.79	ng	0.13
7) Phenol-d6	7.46	99	50841m	11.09	ng	0.15
23) Nitrobenzene-d5	8.77	82	18936m	4.68	ng	0.09
41) 2,4,6-Tribromophenol	13.94	330	7039	8.56	ng	0.02
44) 2-Fluorobiphenyl	11.57	172	50175	7.19	ng	0.01
78) Terphenyl-d14	17.32	244	45301	6.34	ng	-0.02
Target Compounds						Qvalue
48) Acenaphthylene	12.39	152	38332	3.58	ng	97
57) Fluorene	13.52	166	17621	2.29	ng	99
70) Phenanthrene	15.05	178	294265	29.54	ng	98
71) Anthracene	15.14	178	70296	6.91	ng	95
74) Fluoranthene	16.79	202	542024	53.04	ng	98
77) Pyrene	17.09	202	559772	47.52	ng	97
80) Benzo(a)anthracene	18.67	228	277113	30.23	ng	99
82) Chrysene	18.71	228	277692	31.33	ng	98
85) Indeno(1,2,3-cd)pyrene	21.70	276	69770	9.69	ng	92
87) Benzo(b)fluoranthene	19.95	252	201413m	27.77	ng	
88) Benzo(k)fluoranthene	19.98	252	86466m	12.36	ng	
89) Benzo(a)pyrene	20.30	252	138553	20.70	ng	97
90) Dibenzo(a,h)anthracene	21.69	278	18926	3.42	ng	93
91) Benzo(g,h,i)perylene	22.09	276	62816	11.58	ng	97

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

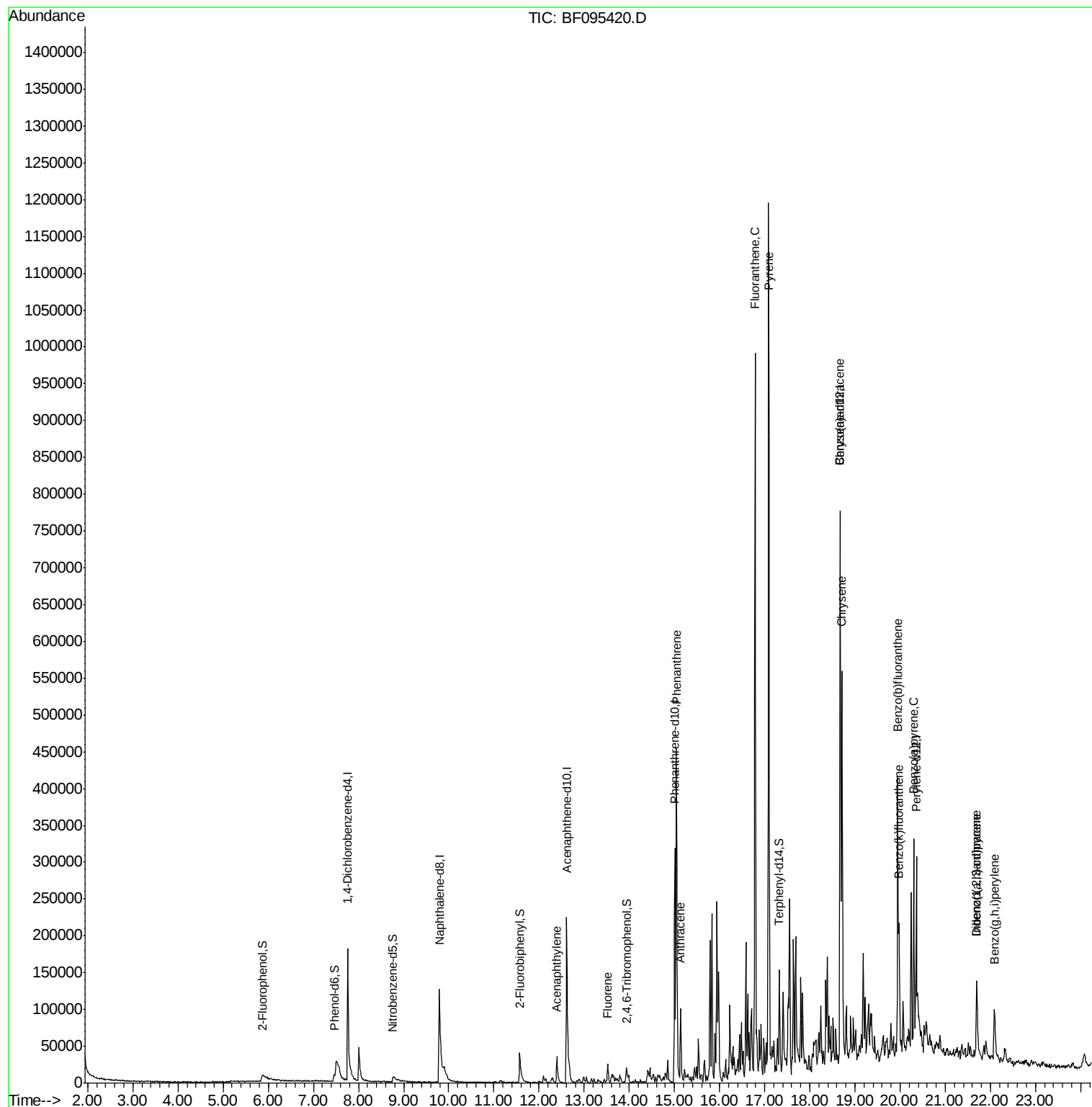
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
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Misc :
ALS Vial : 37 Sample Multiplier: 1

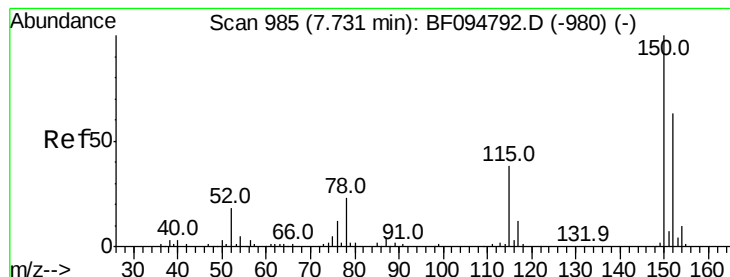
Instrument :
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#1

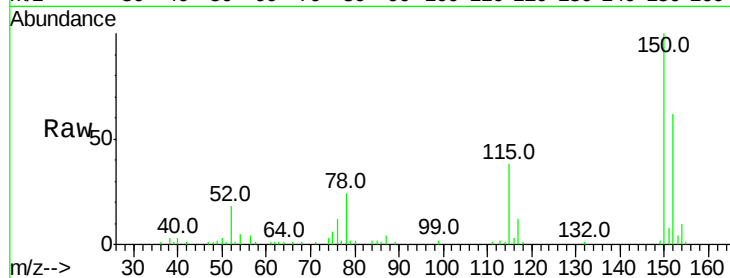
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :
EP1-WC2(0-6)DL

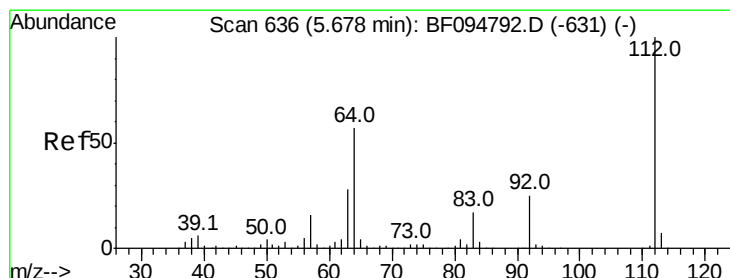
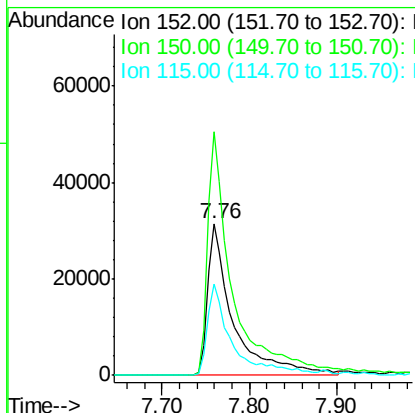
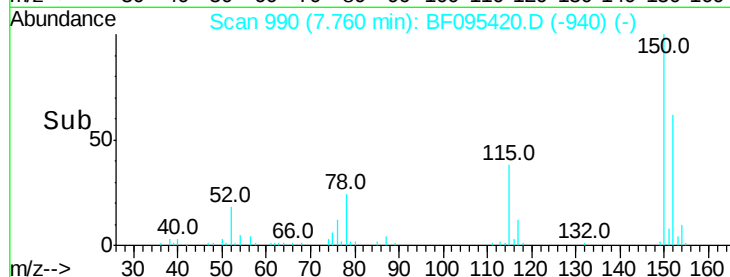
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.2	189.2
115	60.3	52.2	78.2

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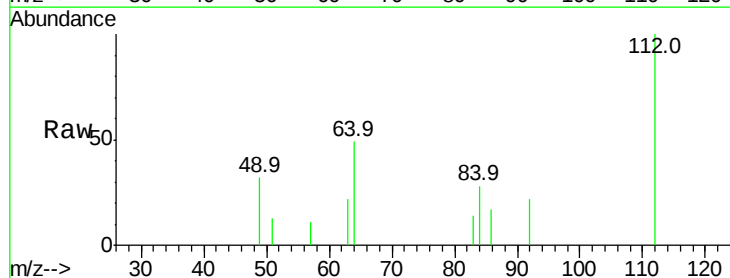
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Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



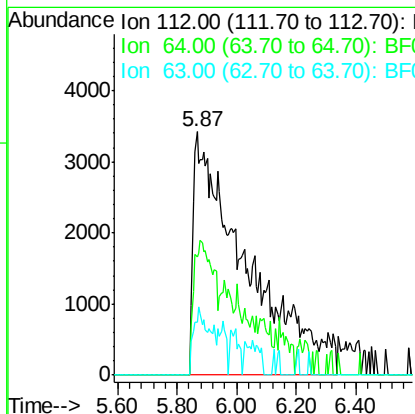
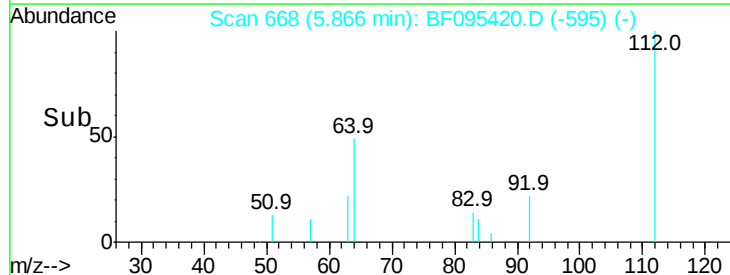
#5

2-Fluorophenol
Concen: 10.79 ng m
RT: 5.87 min Scan# 668
Delta R.T. 0.13 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.6	46.0	69.0
63	21.9	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

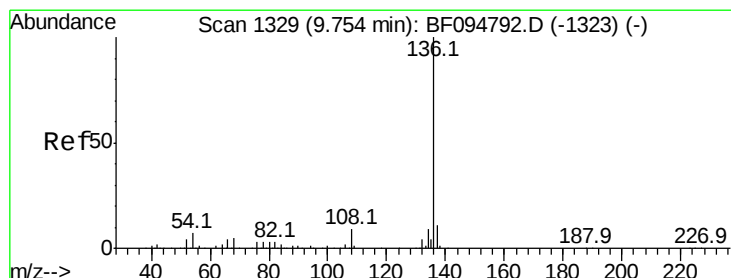
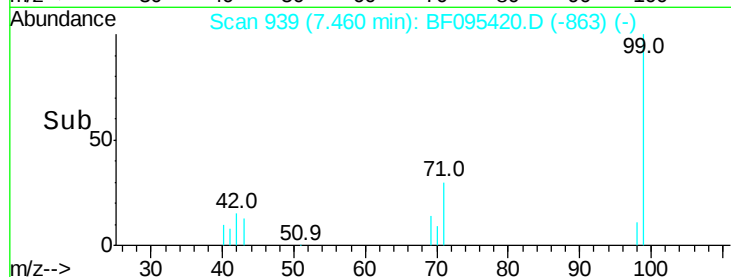
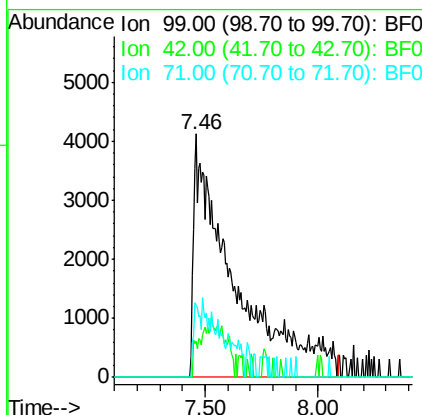
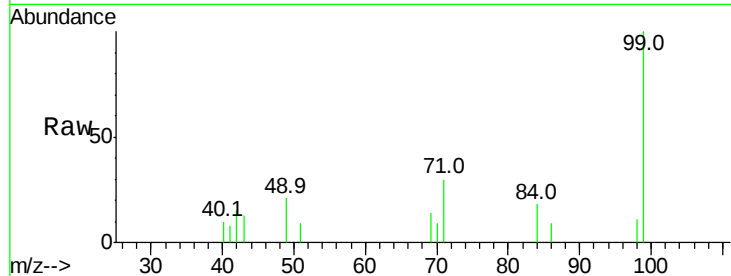
Concen: 11.09 ng m
RT: 7.46 min Scan# 939
Delta R.T. 0.15 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :
EP1-WC2(0-6)DL

Tot Ion	Ratio	Lower	Upper
99	100		
42	14.8	13.5	20.3
71	29.9	24.5	36.7

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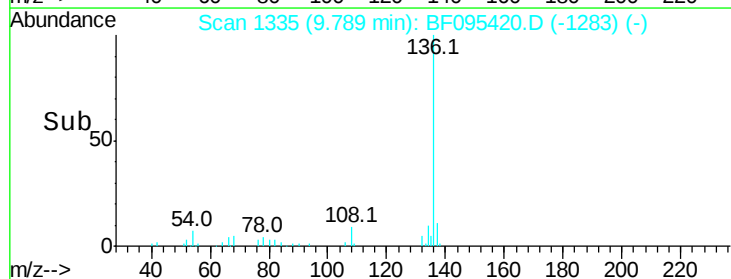
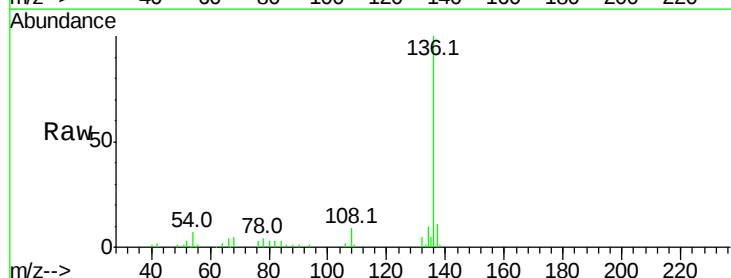
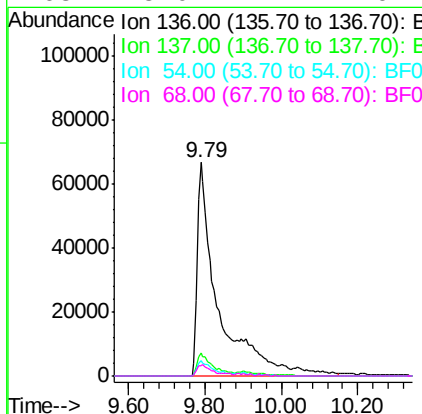


#21

Naphthalene-d8

Concen: 20.00 ng m
RT: 9.79 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.3	4.9	7.3#
68	5.0	4.1	6.1





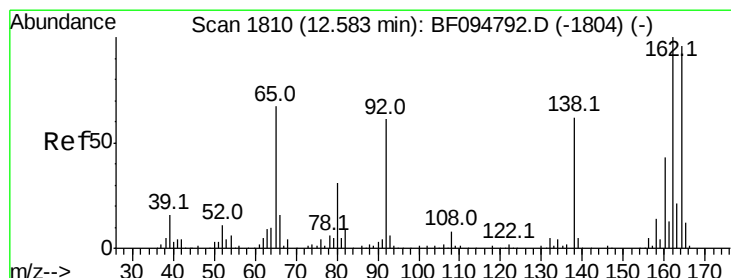
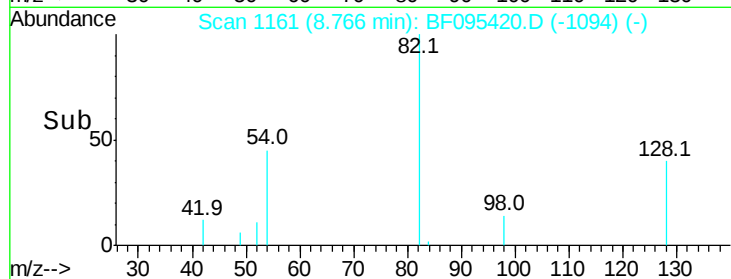
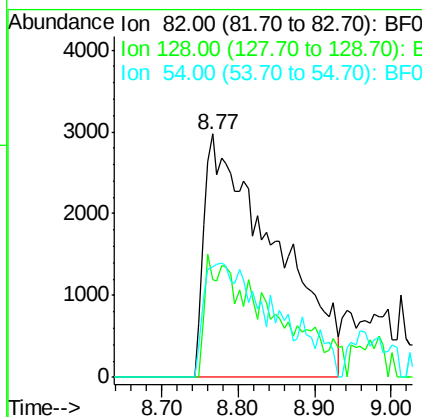
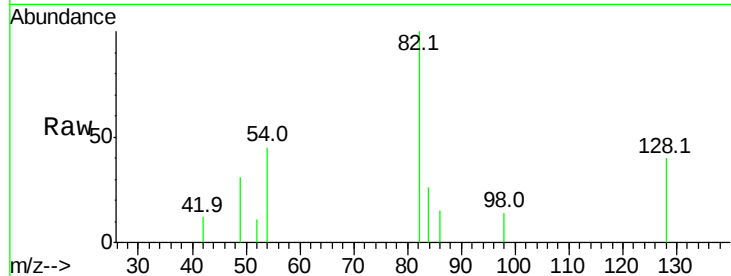
#23
 Nitrobenzene-d5
 Concen: 4.68 ng/ml
 RT: 8.77 min Scan# 1161
 Delta R.T. 0.09 min
 Lab File: BF095420.D
 Acq: 25 May 2017 11:29

Instrument :
 BNA_F
 ClientSampleID :
 EP1-WC2(0-6)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.4	34.0	51.0
54	45.4	42.2	63.2

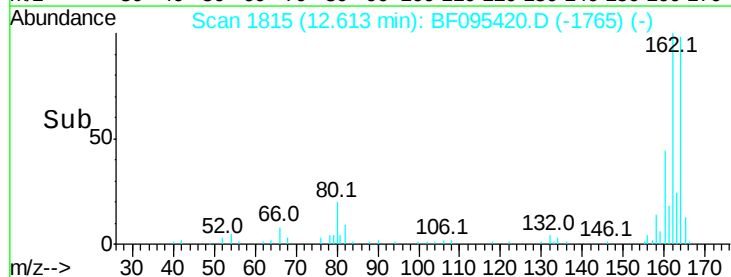
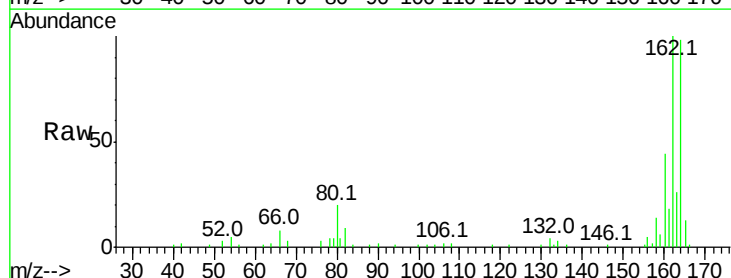
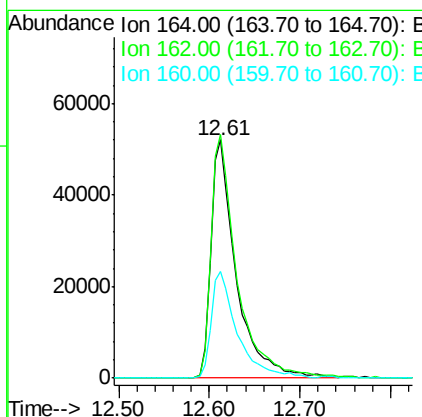
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF095420.D
 Acq: 25 May 2017 11:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	44.6	36.2	54.2





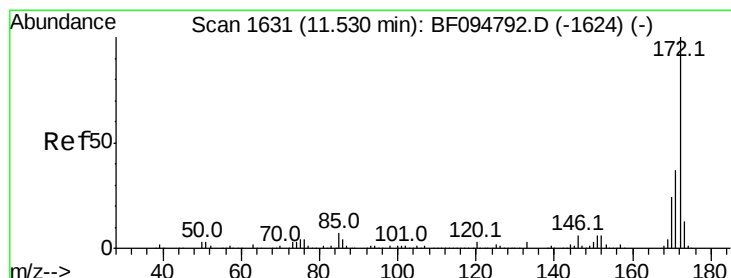
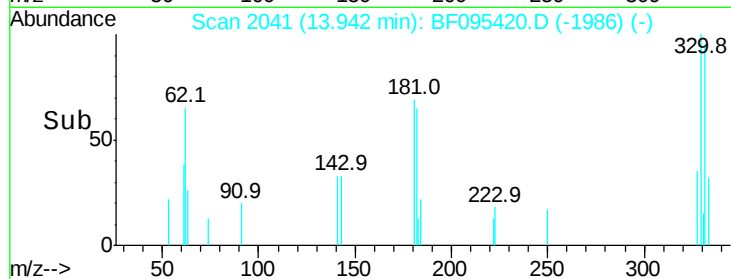
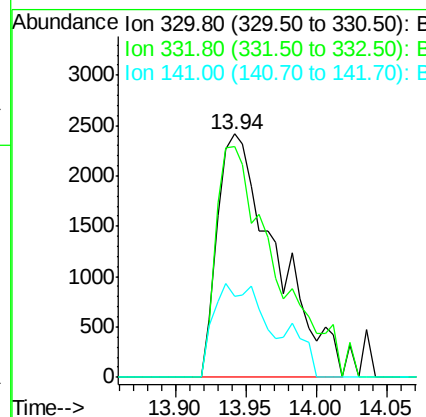
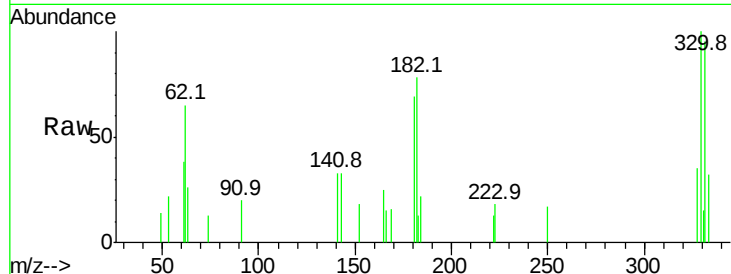
#41
 2,4,6-Tribromophenol
 Concen: 8.56 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.02 min
 Lab File: BF095420.D
 Acq: 25 May 2017 11:29

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC2(0-6)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	31.3	31.4	47.2#

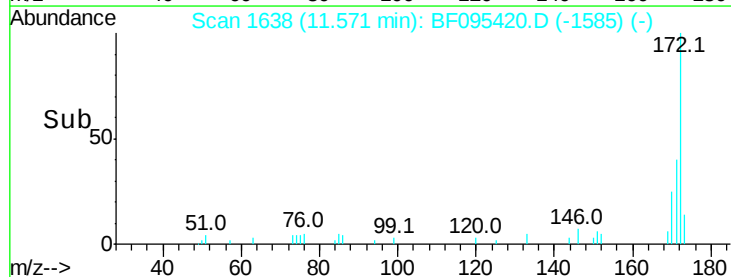
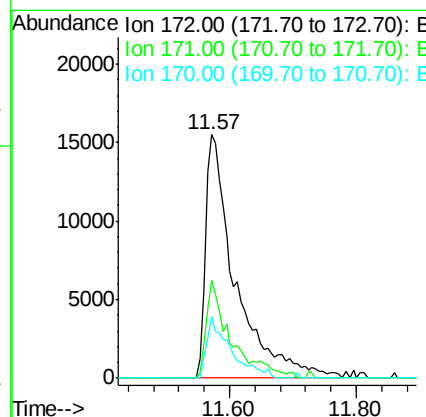
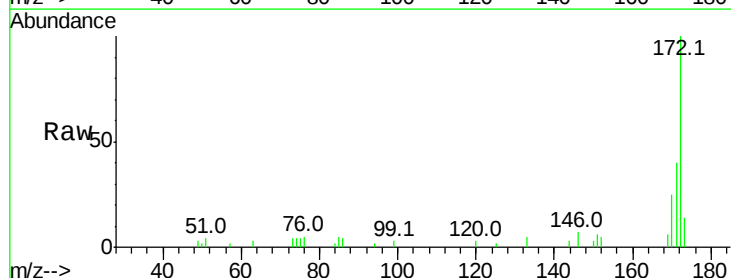
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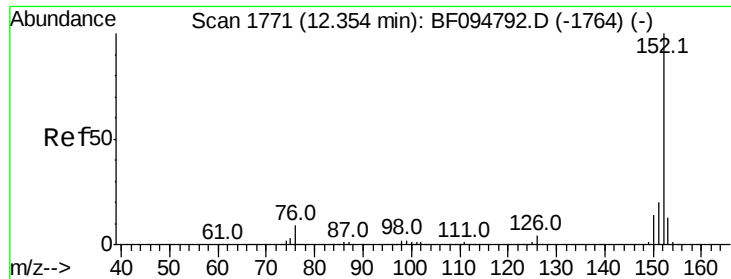
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#44
 2-Fluorobiphenyl
 Concen: 7.19 ng
 RT: 11.57 min Scan# 1638
 Delta R.T. 0.01 min
 Lab File: BF095420.D
 Acq: 25 May 2017 11:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.1	29.6	44.4
170	25.5	19.8	29.8





#48

Acenaphthylene

Concen: 3.58 ng

RT: 12.39 min Scan# 1778

Delta R.T. 0.01 min

Lab File: BF095420.D

Acq: 25 May 2017 11:29

Instrument :

BNA_F

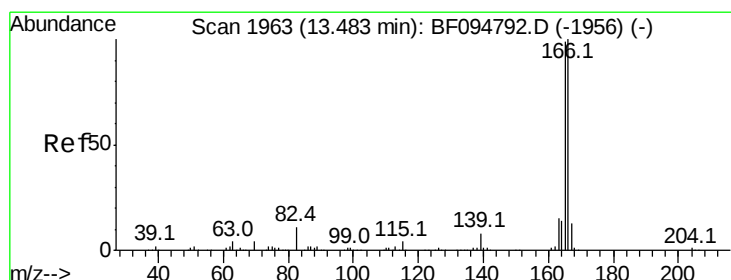
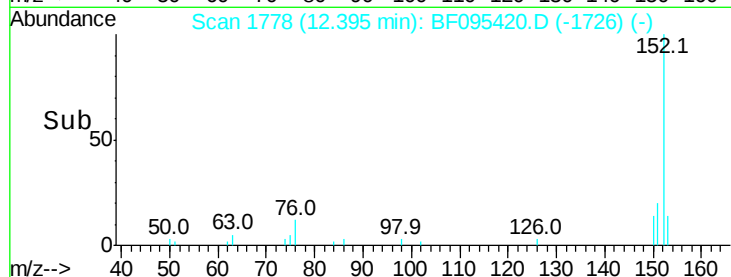
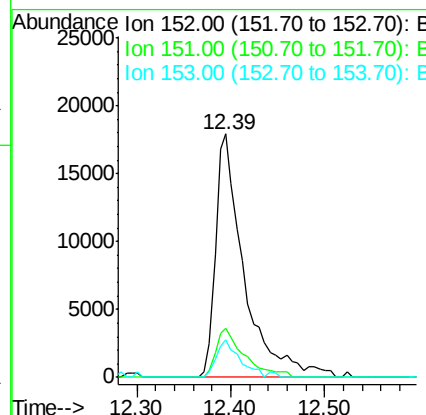
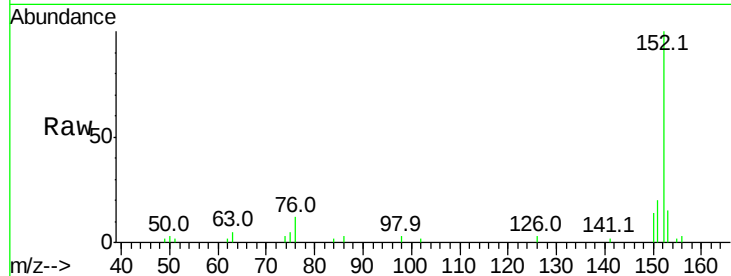
ClientSampleId :

EP1-WC2(0-6)DL

Tot Ion:	152	Resp:	38332
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.8	25.2
153	15.3	10.8	16.2

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#57

Fluorene

Concen: 2.29 ng

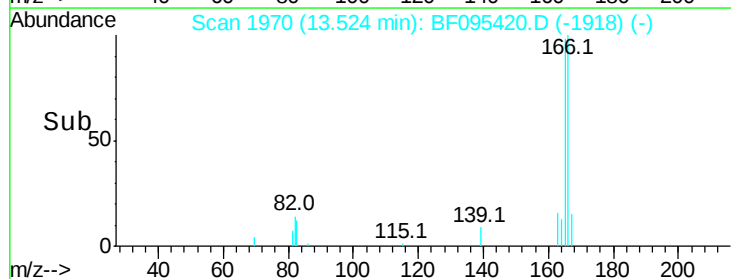
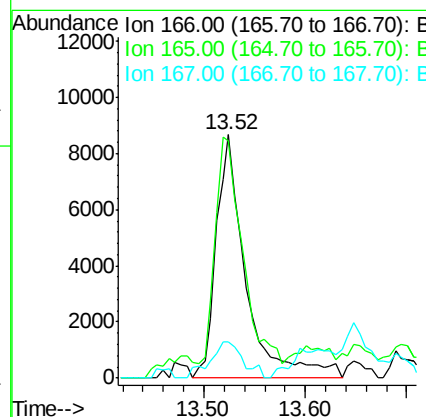
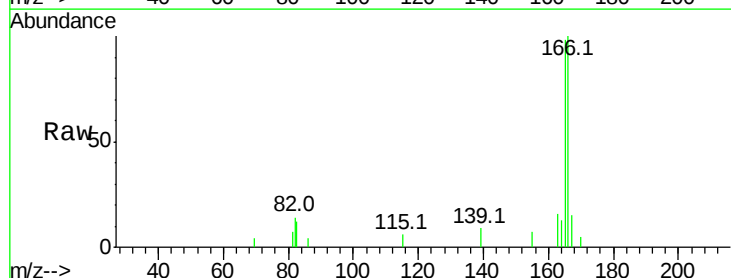
RT: 13.52 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BF095420.D

Acq: 25 May 2017 11:29

Tgt Ion:	166	Resp:	17621
Ion Ratio	Lower	Upper	
166	100		
165	97.6	78.8	118.2
167	14.7	10.6	16.0





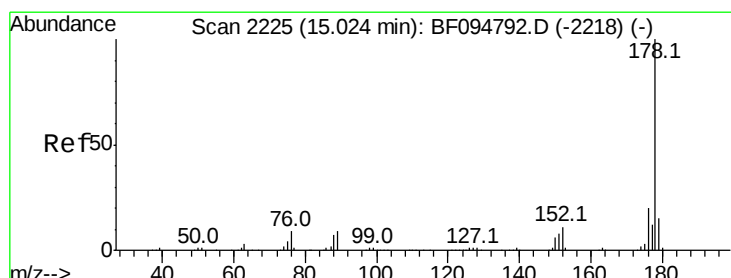
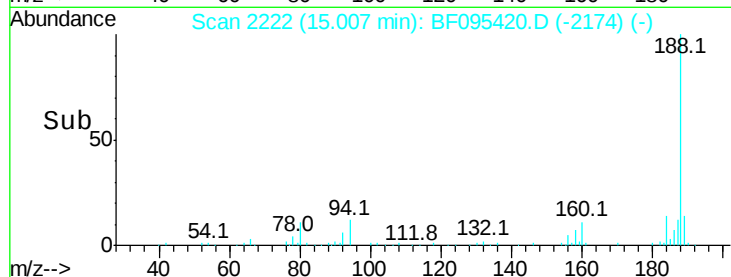
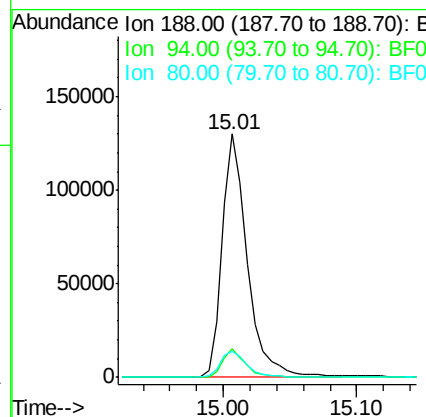
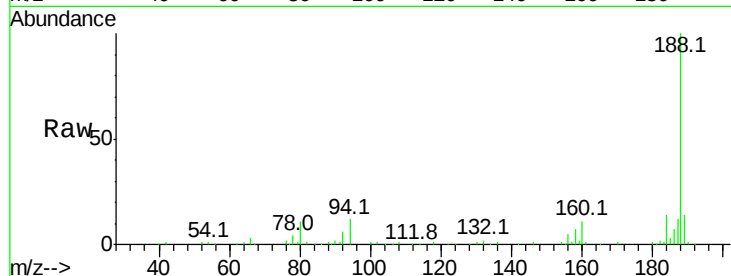
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF095420.D
 Acq: 25 May 2017 11:29

Instrument :
 BNA_F
 ClientSampleID :
 EP1-WC2(0-6)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	173400		
94	11.6		9.4	14.2
80	10.8		10.2	15.2

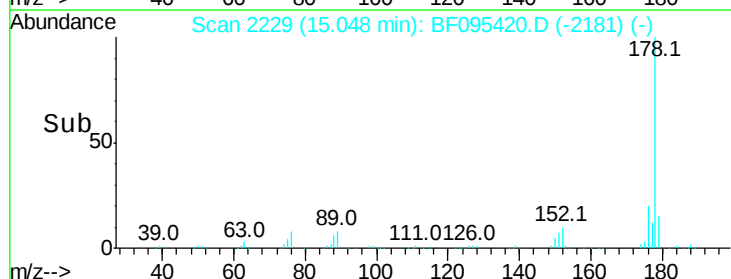
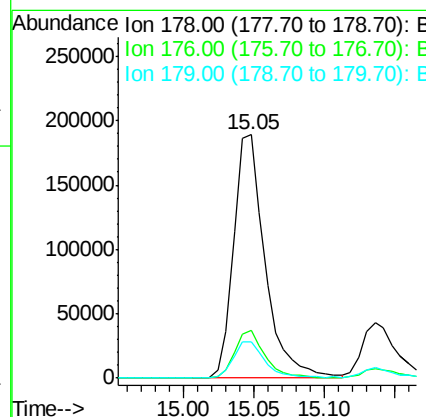
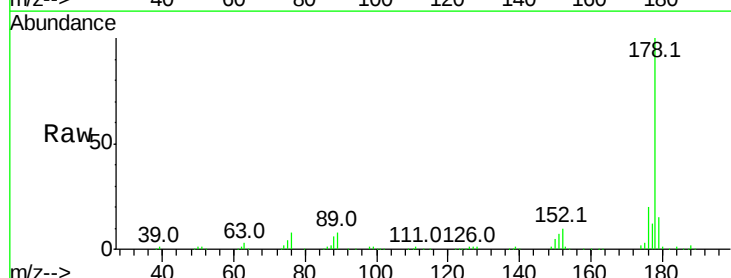
Manual Integrations
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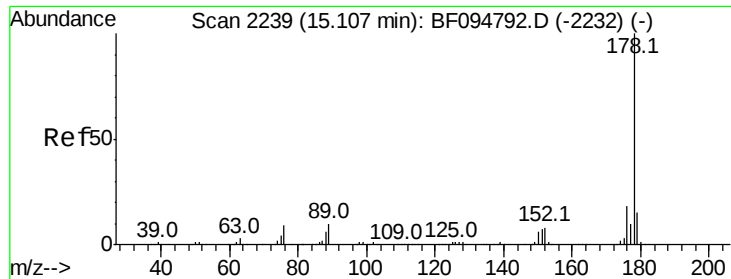
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#70
 Phenanthrene
 Concen: 29.54 ng
 RT: 15.05 min Scan# 2229
 Delta R.T. -0.02 min
 Lab File: BF095420.D
 Acq: 25 May 2017 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	294265		
176	19.7		16.2	24.4
179	14.9		12.6	19.0





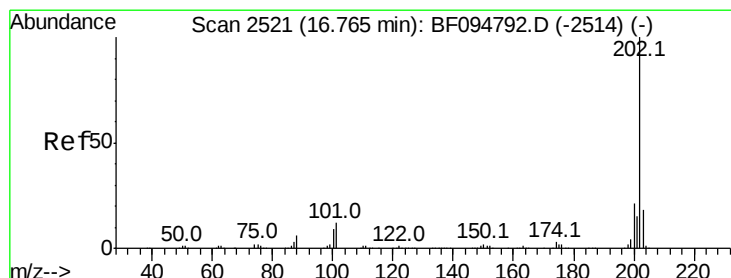
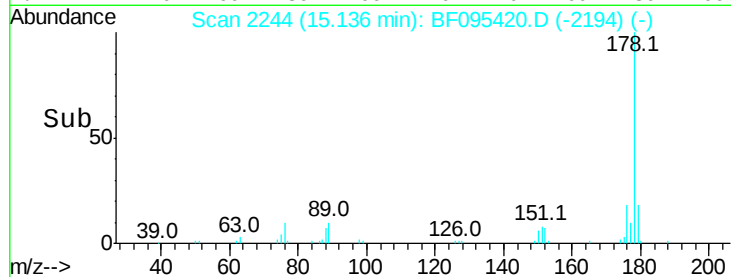
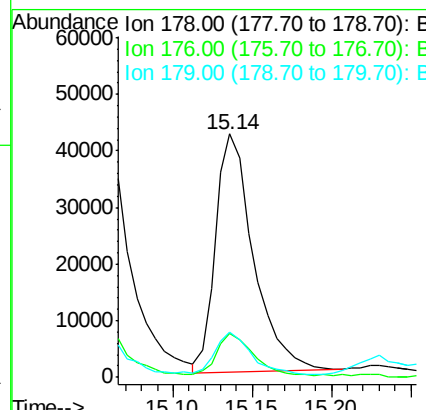
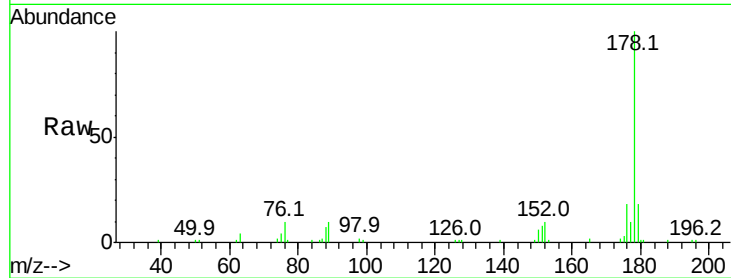
#71
 Anthracene
 Concen: 6.91 ng
 RT: 15.14 min Scan# 2244
 Delta R.T. -0.01 min
 Lab File: BF095420.D
 Acq: 25 May 2017 11:29

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC2(0-6)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	18.4	12.7	19.1

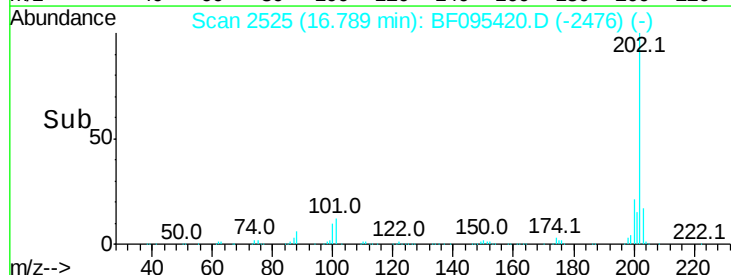
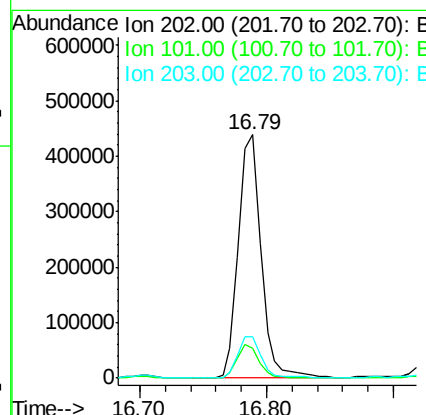
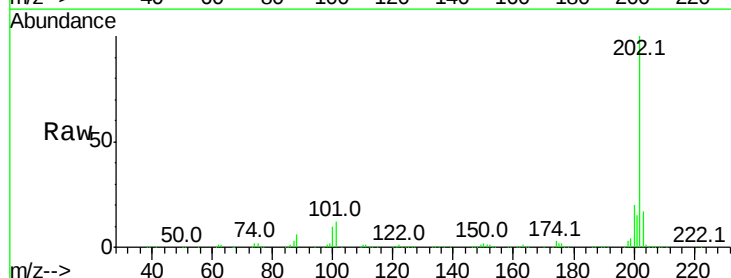
Manual Integrations
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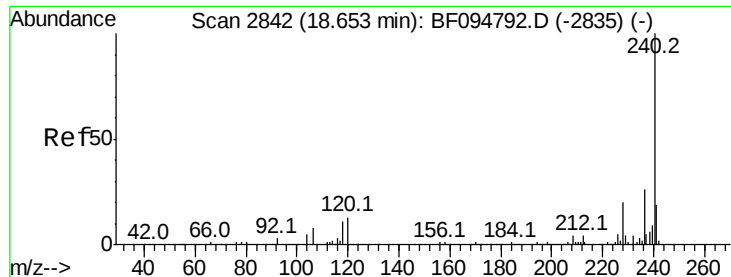
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#74
 Fluoranthene
 Concen: 53.04 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. -0.01 min
 Lab File: BF095420.D
 Acq: 25 May 2017 11:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.1	0.0	38.1





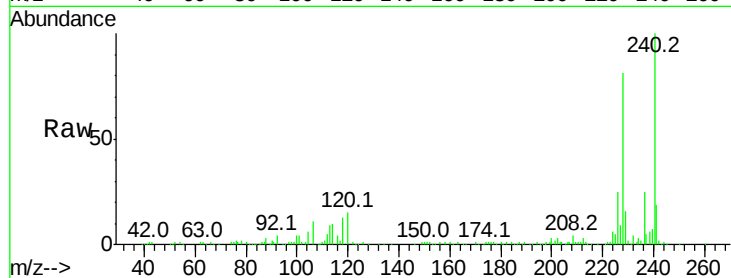
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :
EP1-WC2(0-6)DL

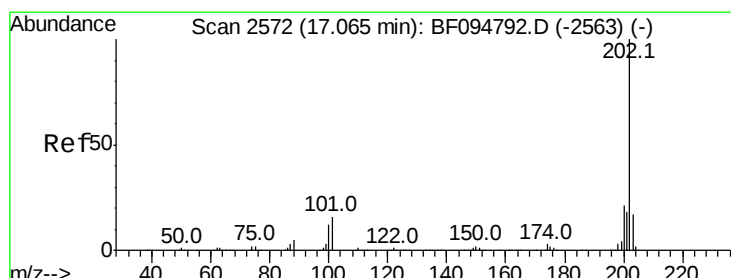
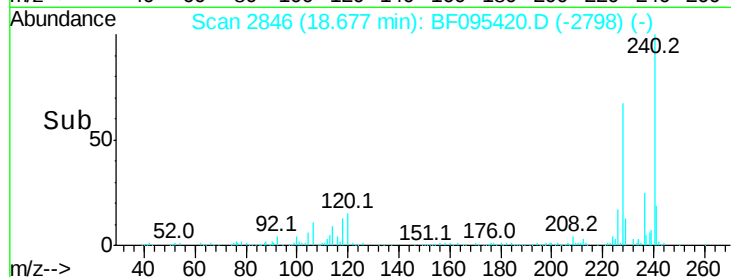
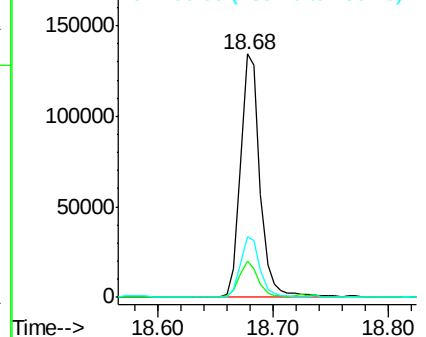
Tot Ion	Ratio	Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.0	20.5	30.7

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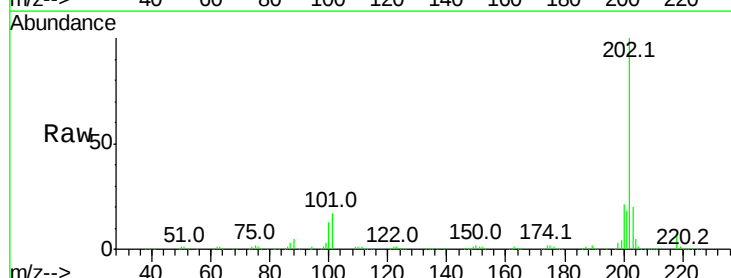


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

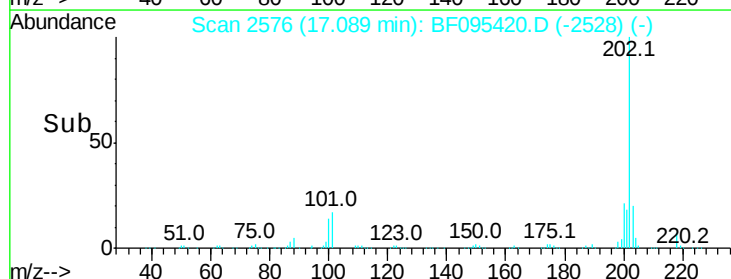
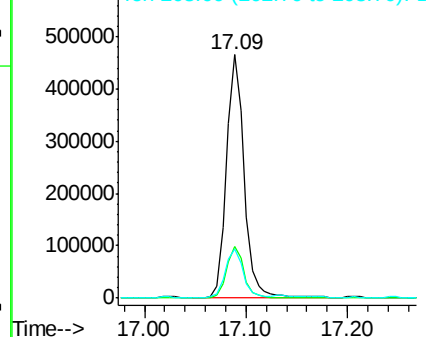


#77
Pyrene
Concen: 47.52 ng
RT: 17.09 min Scan# 2576
Delta R.T. -0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	20.2	14.4	21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





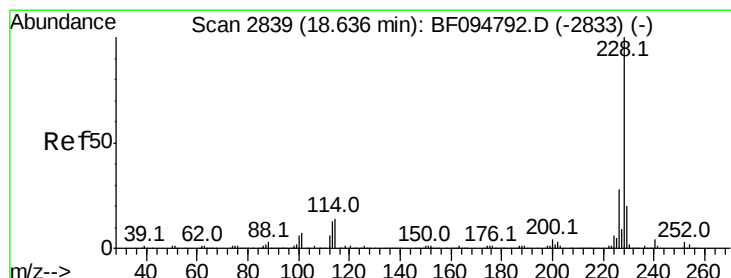
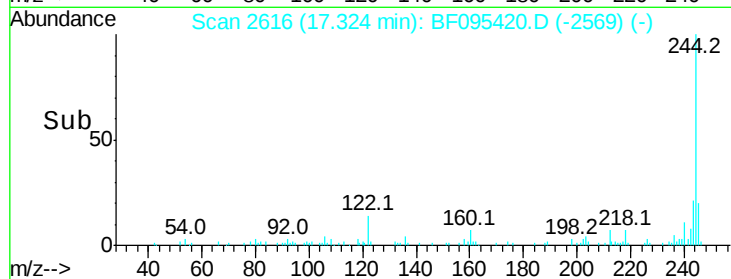
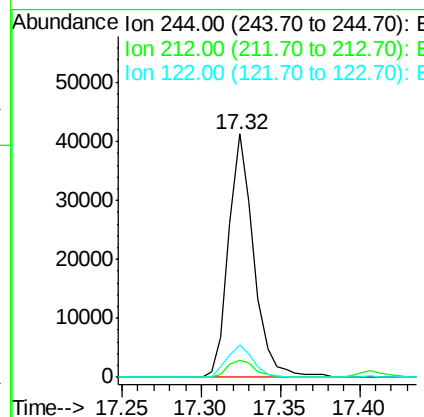
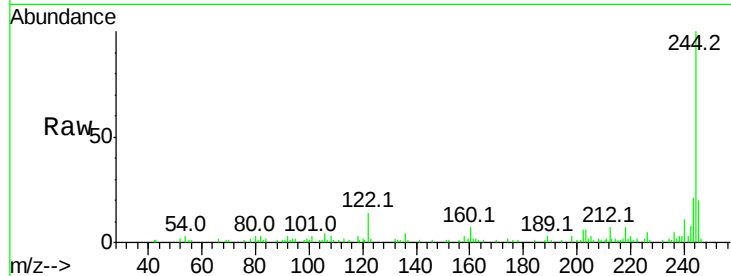
#78
 Terphenyl-d14
 Concen: 6.34 ng
 RT: 17.32 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF095420.D
 Acq: 25 May 2017 11:29

Instrument :
 BNA_F
 ClientSampleId :
 EP1-WC2(0-6)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.5	10.3	15.5

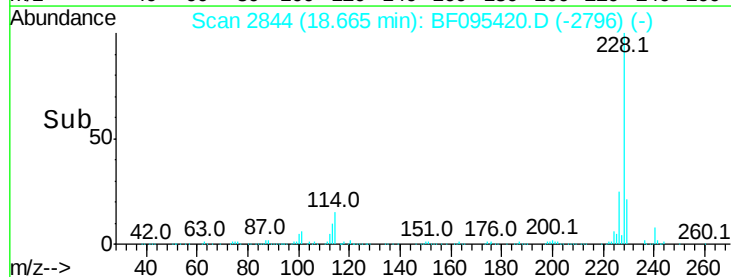
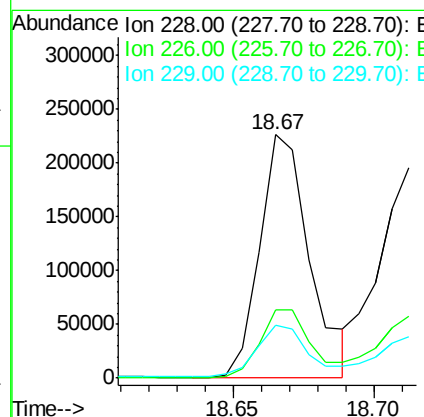
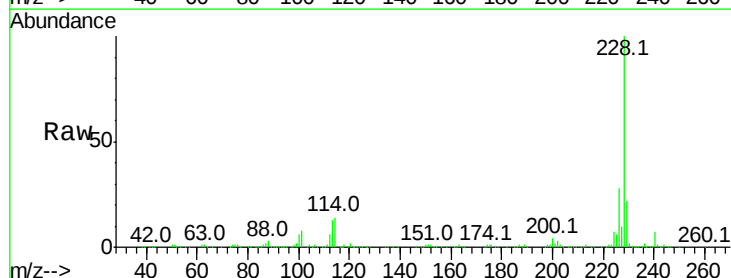
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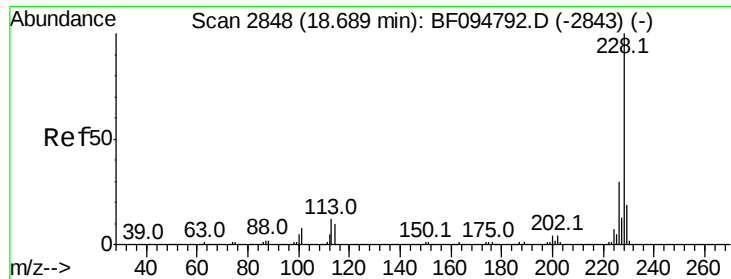
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#80
 Benzo(a)anthracene
 Concen: 30.23 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.02 min
 Lab File: BF095420.D
 Acq: 25 May 2017 11:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	21.6	16.3	24.5





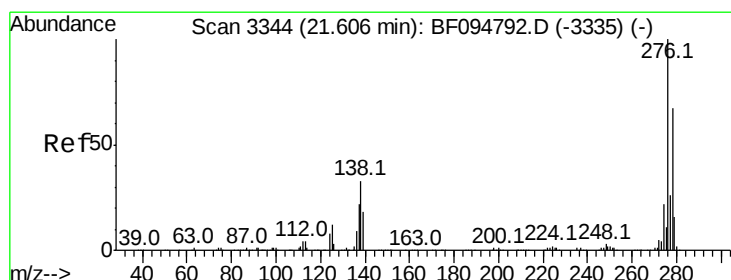
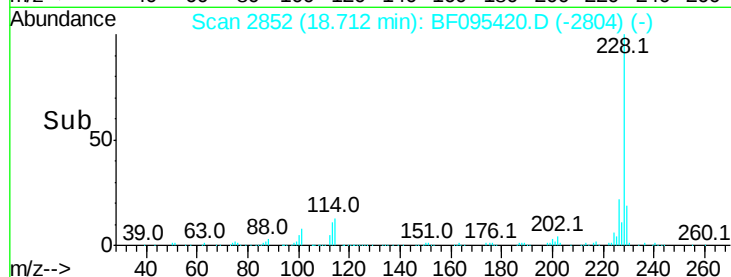
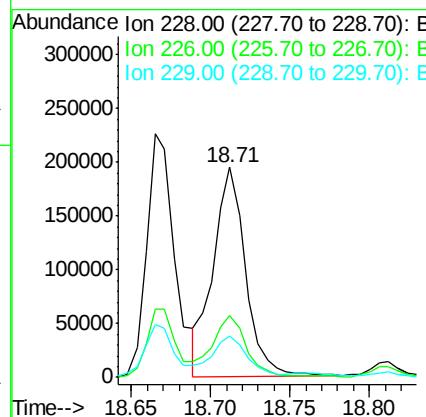
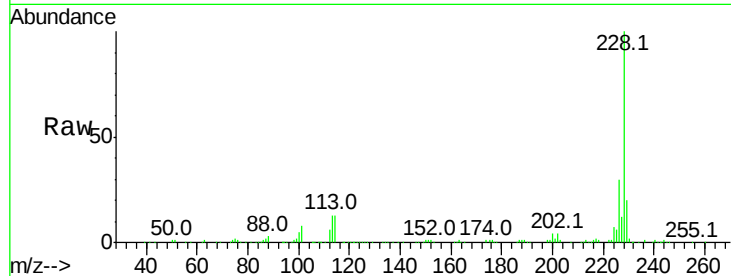
#82
Chrysene
Concen: 31.33 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :
EP1-WC2(0-6)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	19.8	15.8	23.6

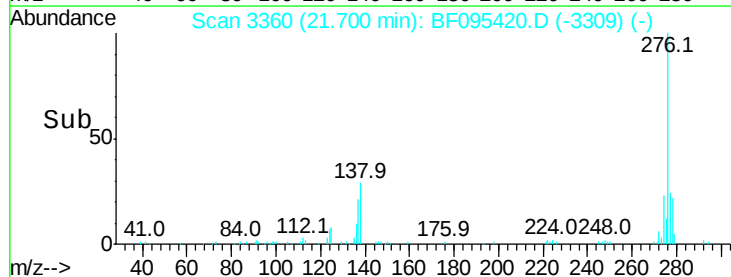
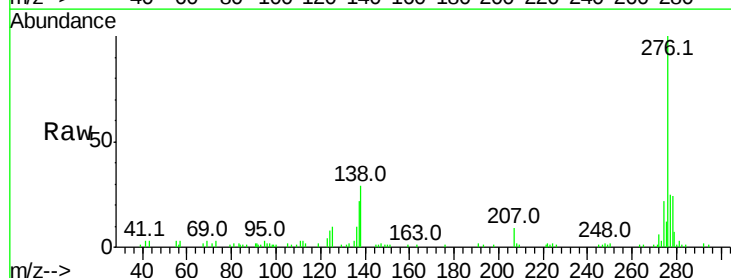
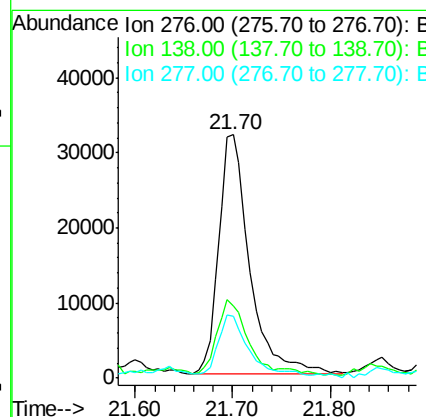
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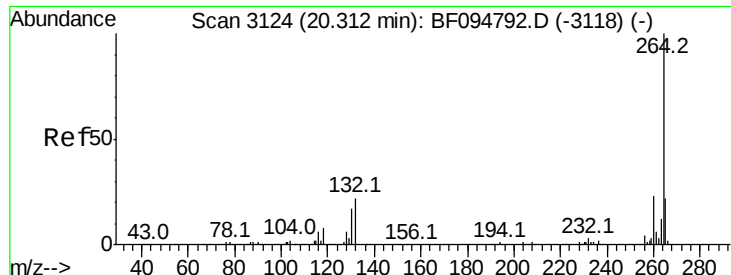
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#85
Indeno(1,2,3-cd)pyrene
Concen: 9.69 ng
RT: 21.70 min Scan# 3360
Delta R.T. 0.00 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	27.8	41.6
277	23.2	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.36 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095420.D

Acq: 25 May 2017 11:29

Instrument :

BNA_F

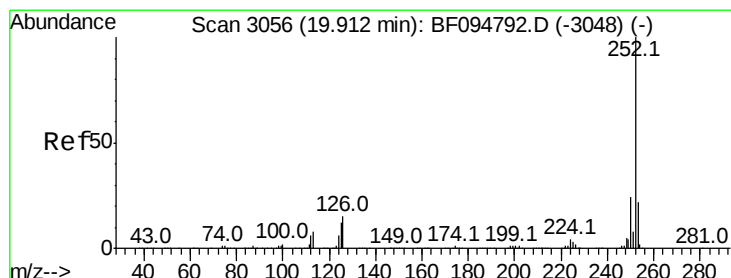
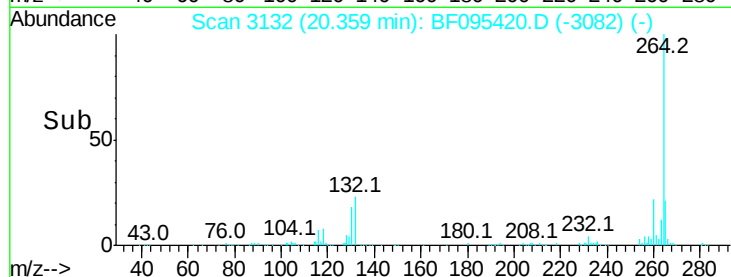
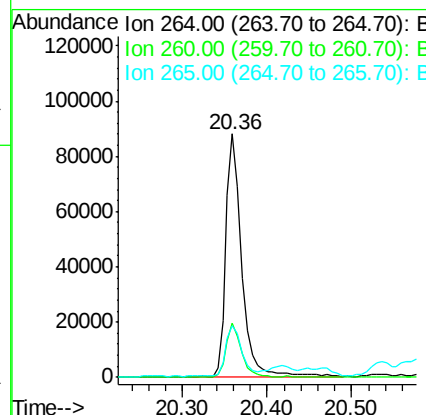
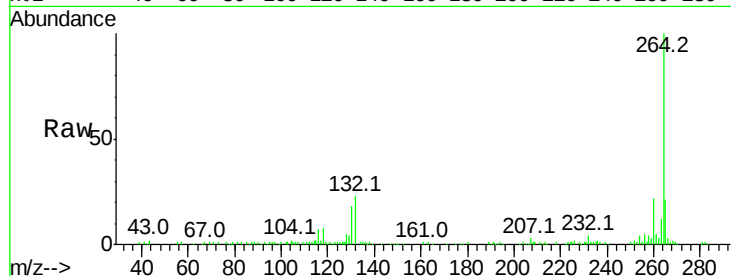
ClientSampleId :

EP1-WC2(0-6)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.5	29.3
265	21.4	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 27.77 ng m

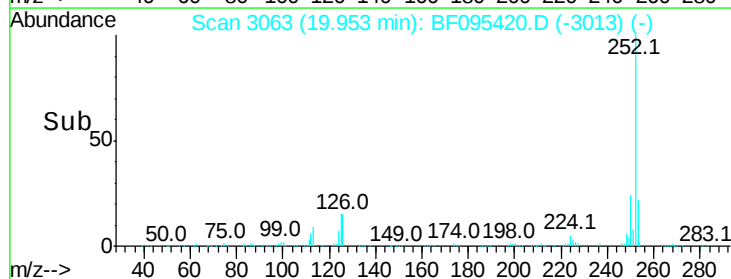
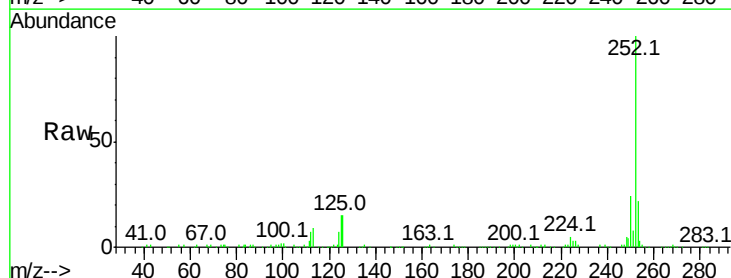
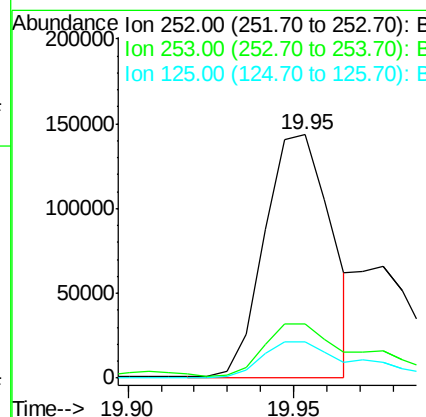
RT: 19.95 min Scan# 3063

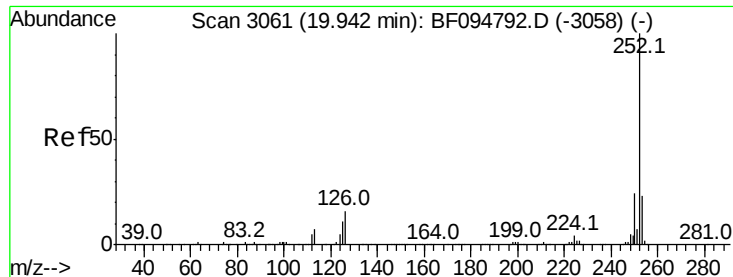
Delta R.T. -0.01 min

Lab File: BF095420.D

Acq: 25 May 2017 11:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	15.1	9.8	14.8#





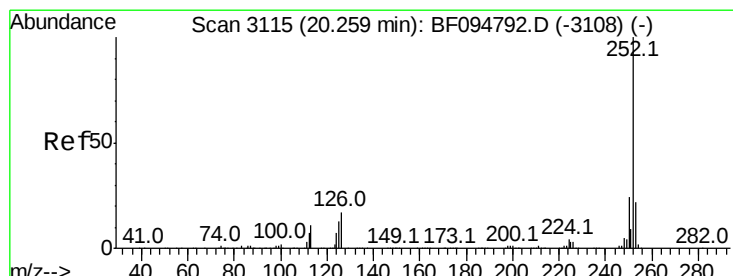
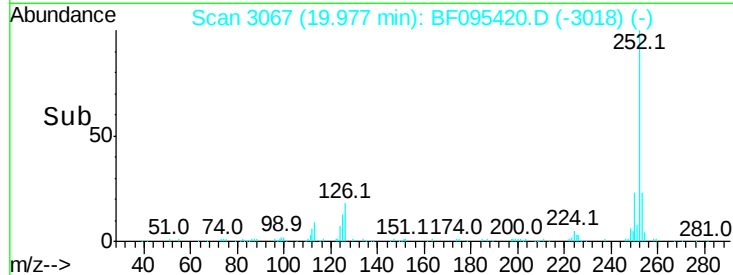
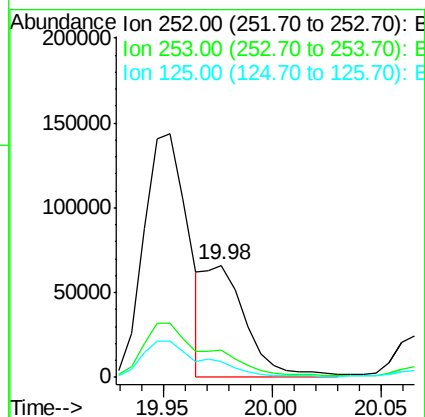
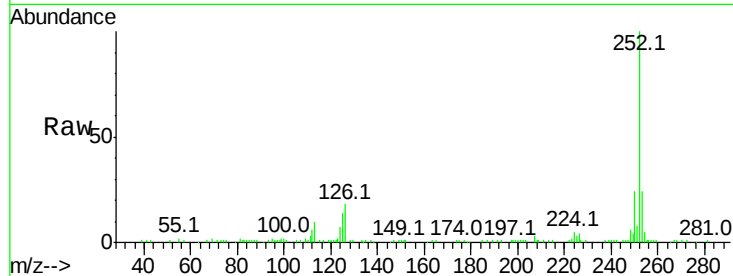
#88
Benzo(k)fluoranthene
Concen: 12.36 ng m
RT: 19.98 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Instrument :
BNA_F
ClientSampleId :
EP1-WC2(0-6)DL

Tot Ion:252	Resp:	86466
Ion Ratio	Lower	Upper
252 100		
253 24.0	18.4	27.6
125 13.7	13.1	19.7

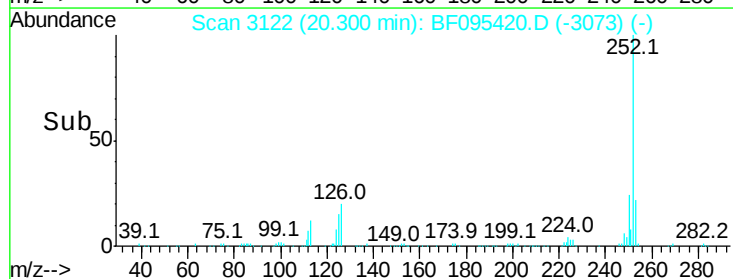
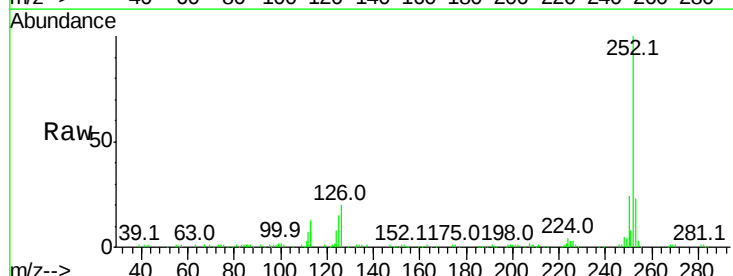
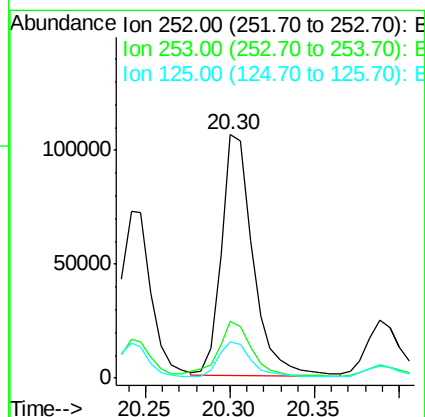
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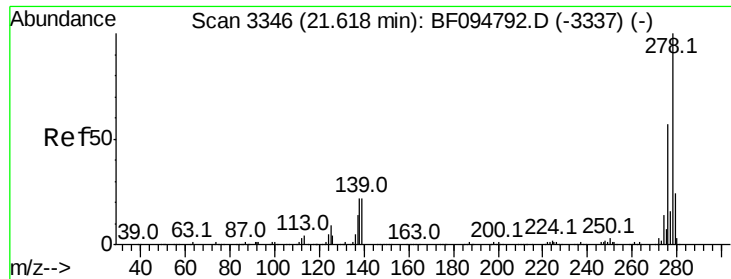
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#89
Benzo(a)pyrene
Concen: 20.70 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BF095420.D
Acq: 25 May 2017 11:29

Tgt Ion:252	Resp:	138553
Ion Ratio	Lower	Upper
252 100		
253 23.1	17.5	26.3
125 15.0	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.42 ng

RT: 21.69 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BF095420.D

Acq: 25 May 2017 11:29

Instrument :

BNA_F

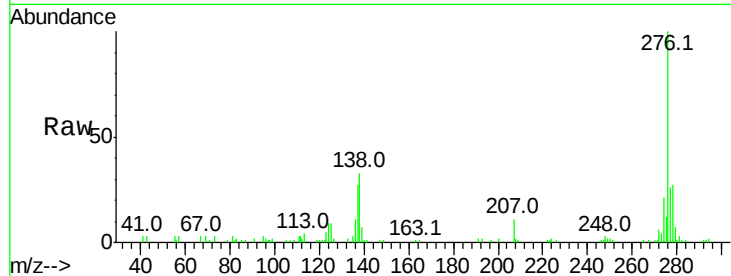
ClientSampleId :

EP1-WC2(0-6)DL

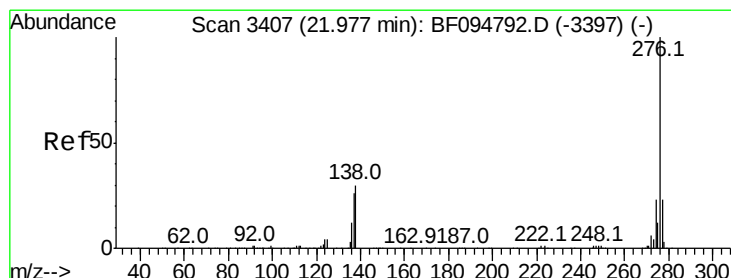
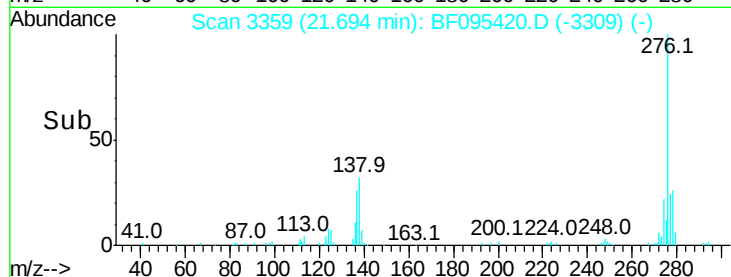
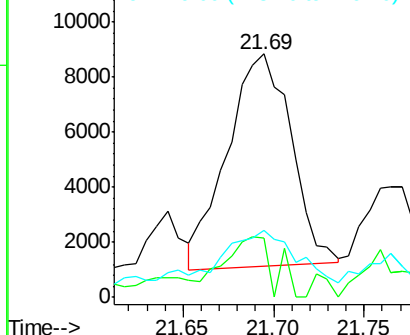
Tot Ion:	278	Resp:	18926
Ion Ratio	Lower	Upper	
278	100		
139	24.3	16.6	24.8
279	27.3	19.3	28.9

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



#91

Benzo(g,h,i)perylene

Concen: 11.58 ng

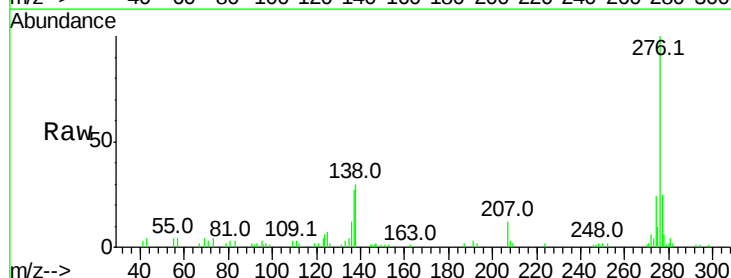
RT: 22.09 min Scan# 3426

Delta R.T. 0.01 min

Lab File: BF095420.D

Acq: 25 May 2017 11:29

Tgt Ion:	276	Resp:	62816
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.6	28.0
138	30.4	25.4	38.0



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

