

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
 Data File : BF095023.D
 Acq On : 9 May 2017 14:48
 Operator : SJ/MA
 Sample : I2970-06 5X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-U7-BASE

Manual Integrations
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Quant Time: May 09 16:30:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	77231	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	311981	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	142561	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	221141	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	177188	20.00	ng	-0.02
86) Perylene-d12	20.30	264	143854	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	132349	28.57	ng	-0.02
7) Phenol-d6	7.25	99	178419	32.10	ng	-0.03
23) Nitrobenzene-d5	8.61	82	100711	20.36	ng	-0.03
41) 2,4,6-Tribromophenol	13.87	330	32281	27.65	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	204494	20.65	ng	-0.02
78) Terphenyl-d14	17.28	244	138769	17.25	ng	-0.03
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	9.33	122	15752	3.48	ng	95
31) Naphthalene	9.77	128	33772	2.15	ng	96
37) 2-Methylnaphthalene	10.90	142	98230	9.55	ng	97
49) Dimethylphthalate	12.20	163	28879	2.47	ng	# 99
70) Phenanthrene	15.00	178	81867	6.44	ng	97
74) Fluoranthene	16.75	202	103943	7.97	ng	98
77) Pyrene	17.05	202	93195	7.03	ng	# 95
80) Benzo(a)anthracene	18.62	228	45835	4.44	ng	99
82) Chrysene	18.67	228	40025	4.01	ng	98
85) Indeno(1,2,3-cd)pyrene	21.61	276	16377	2.02	ng	96
87) Benzo(b)fluoranthene	19.90	252	41507m	4.67	ng	
89) Benzo(a)pyrene	20.25	252	34378	4.19	ng	97
91) Benzo(a,h,i)perylene	21.99	276	15389	2.31	ng	98

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

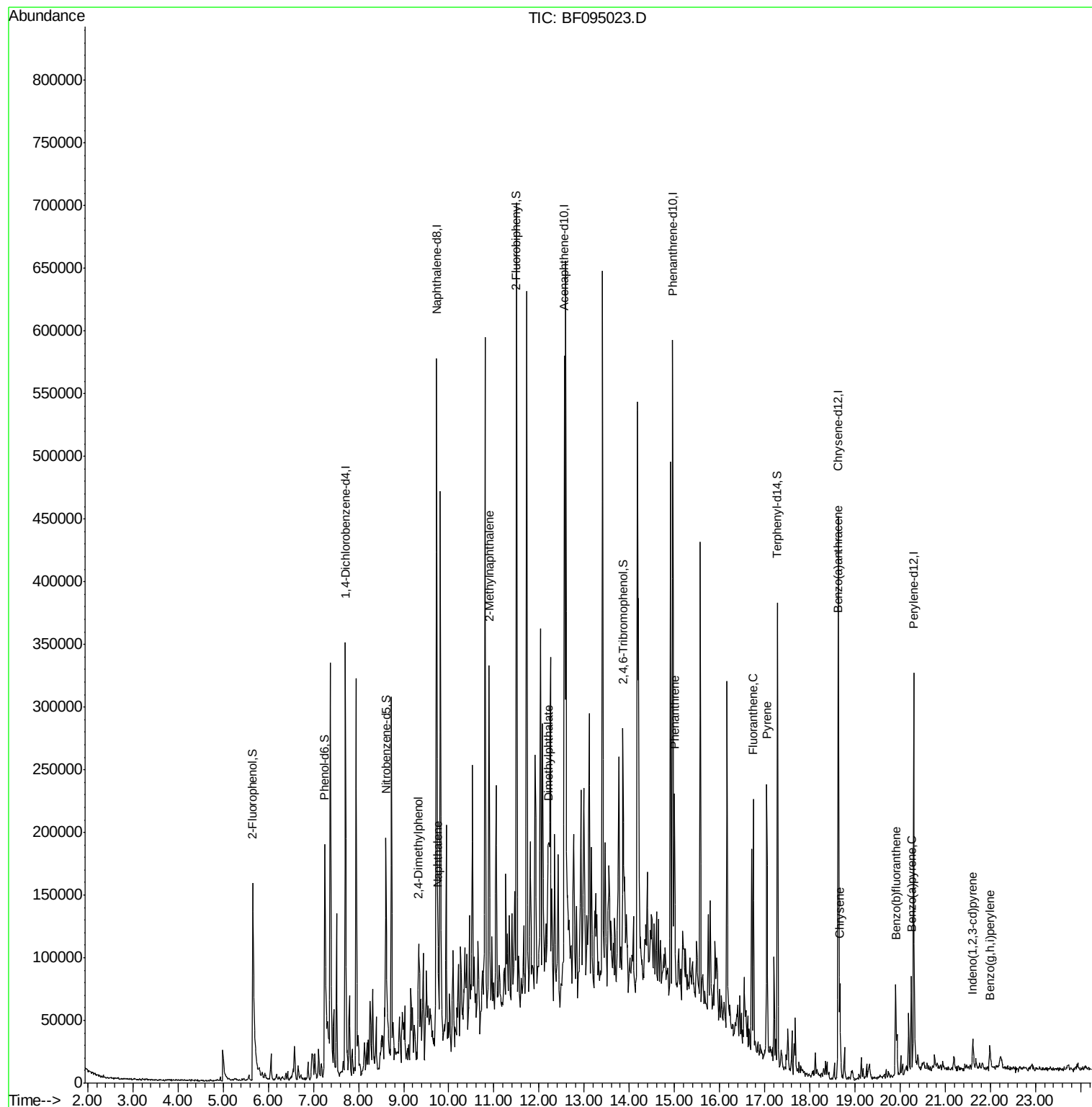
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050817\
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Sample : I2970-06 5X
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ALS Vial : 40 Sample Multiplier: 1

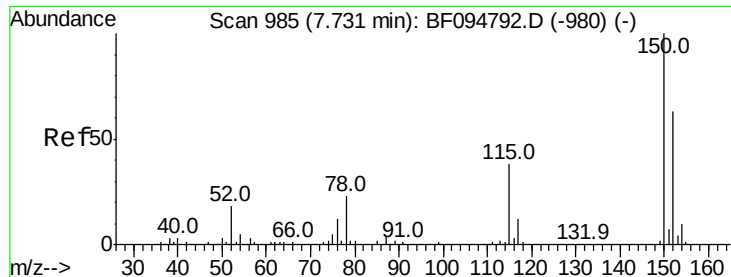
Instrument :
BNA_F
ClientSampleId :
E2-U7-BASE

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Quant Time: May 09 16:30:10 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

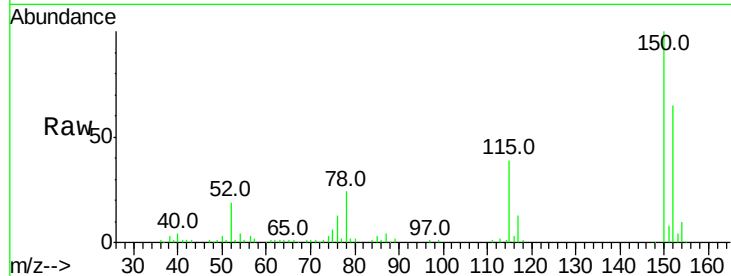
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 981
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Instrument :
BNA_F
ClientSampleId :
E2-U7-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.2	189.2
115	59.8	52.2	78.2

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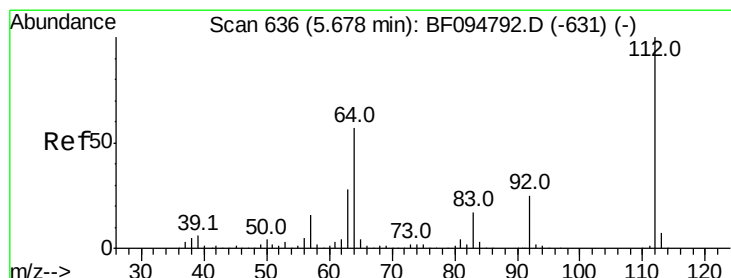
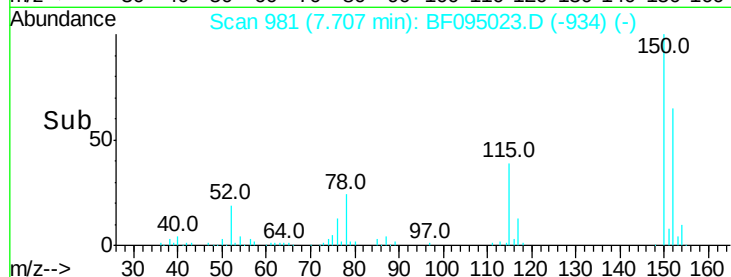
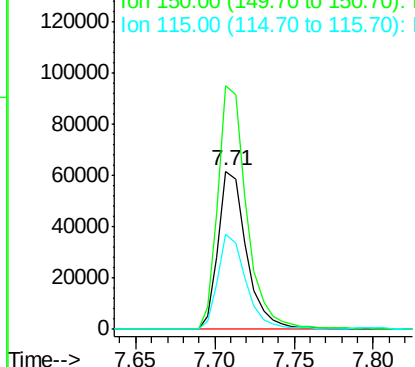


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

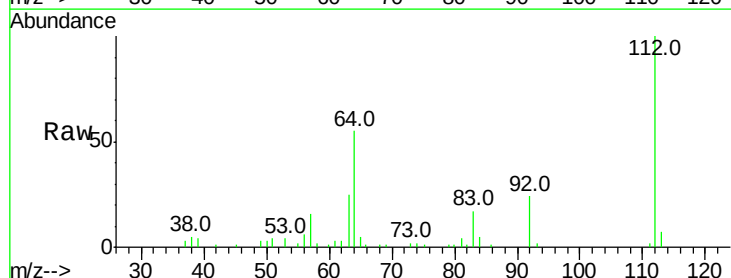
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 28.57 ng
RT: 5.66 min Scan# 633
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.0	69.0
63	25.5	23.4	35.0

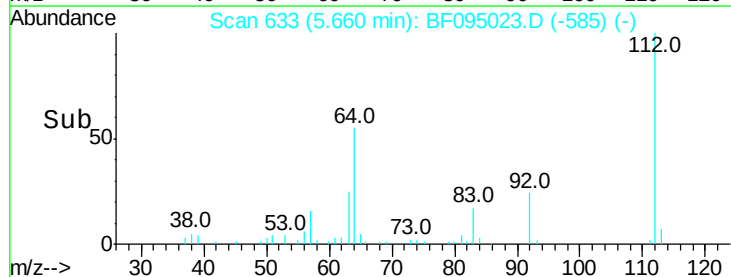
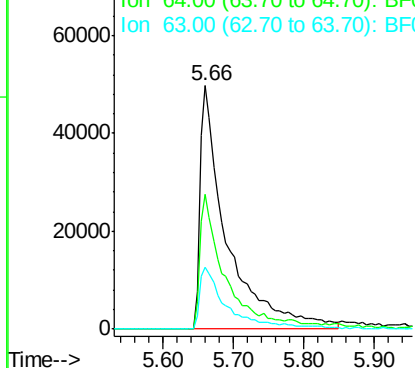


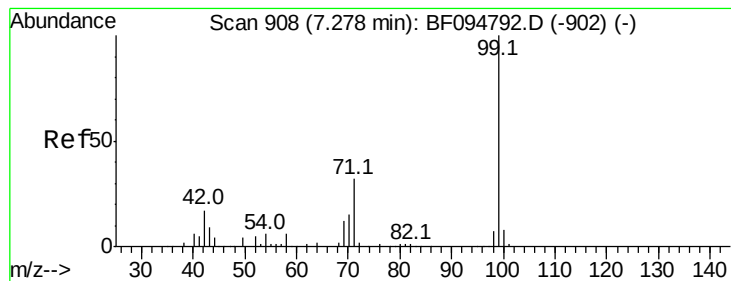
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.10 ng

RT: 7.25 min Scan# 903

Delta R.T. -0.03 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

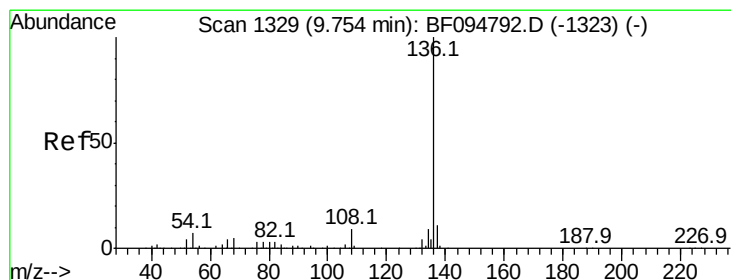
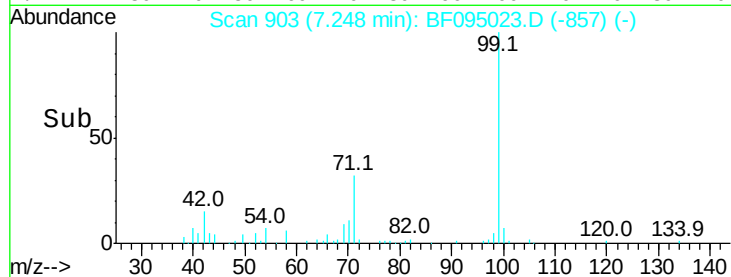
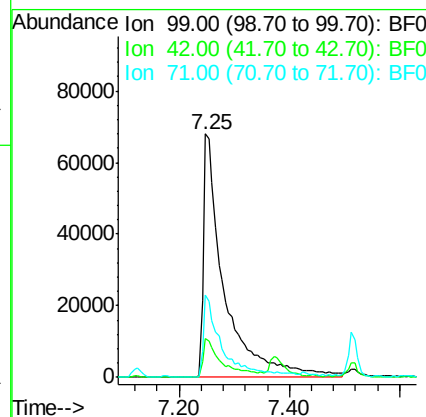
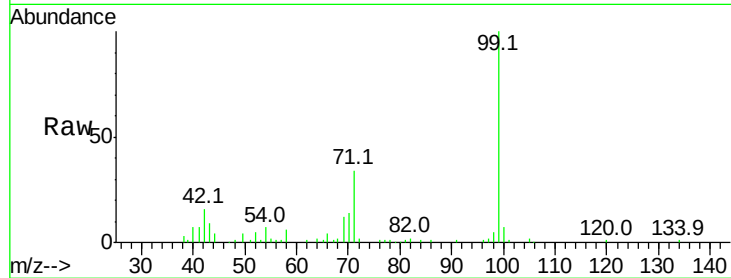
ClientSampled :

E2-U7-BASE

Tot Ion:	99	Resp:	178419
Ion Ratio	Lower	Upper	
99	100		
42	16.1	13.5	20.3
71	33.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

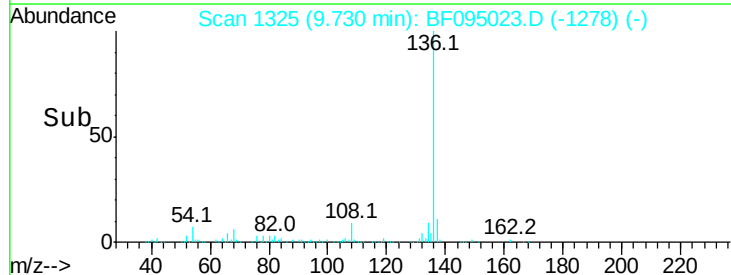
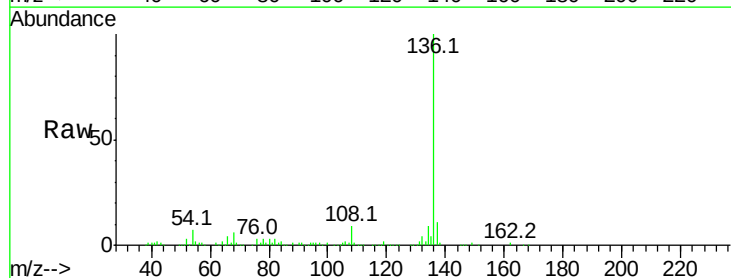
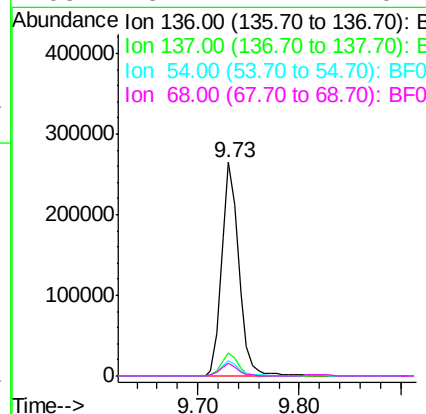
RT: 9.73 min Scan# 1325

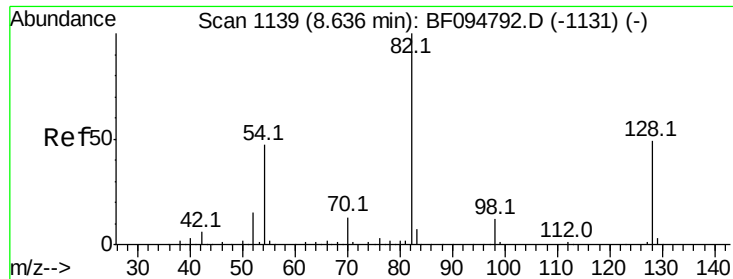
Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Tgt Ion:	136	Resp:	311981
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	7.2	4.9	7.3
68	5.7	4.1	6.1





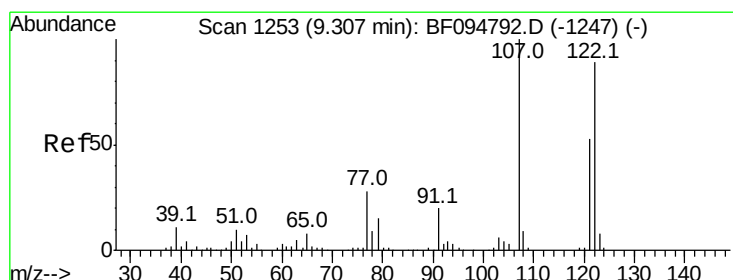
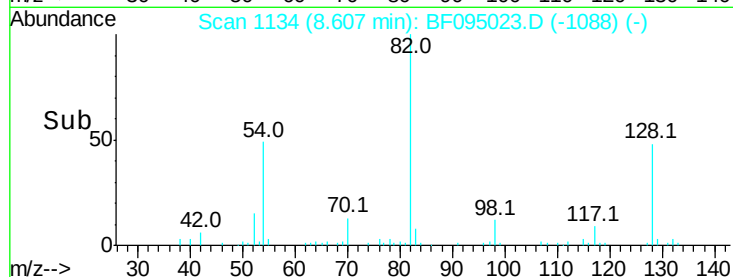
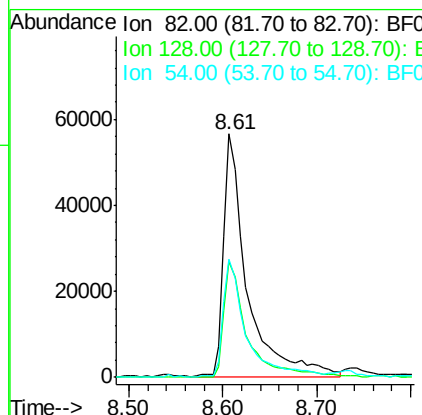
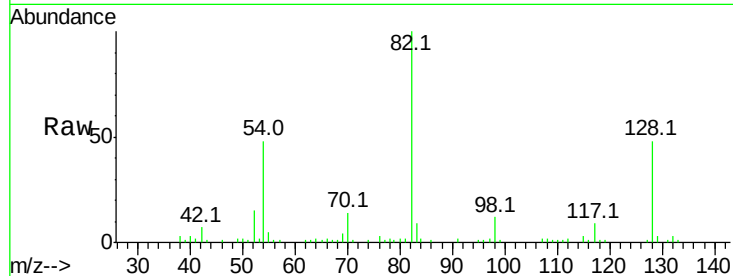
#23
Nitrobenzene-d5
Concen: 20.36 ng
RT: 8.61 min Scan# 1134
Delta R.T. -0.03 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Instrument :
BNA_F
ClientSampleId :
E2-U7-BASE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.7	34.0	51.0	
54	48.3	42.2	63.2	

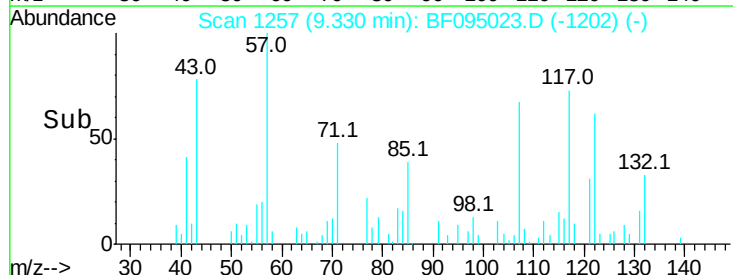
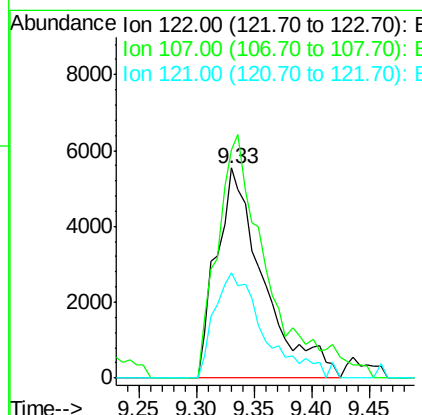
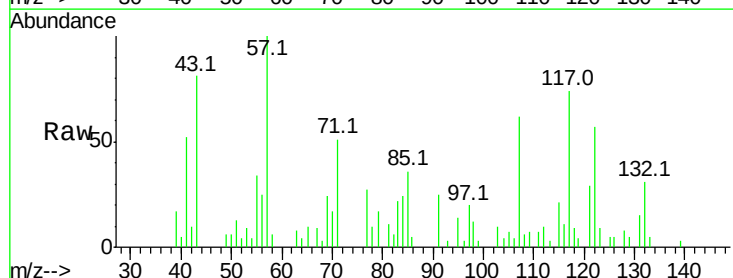
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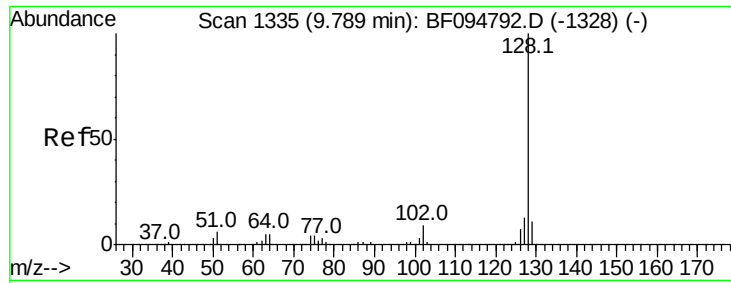
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#27
2,4-Dimethylphenol
Concen: 3.48 ng
RT: 9.33 min Scan# 1257
Delta R.T. 0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	108.4	89.2	133.8	
121	50.3	45.2	67.8	





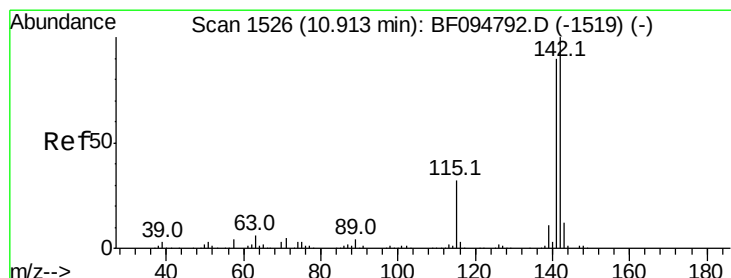
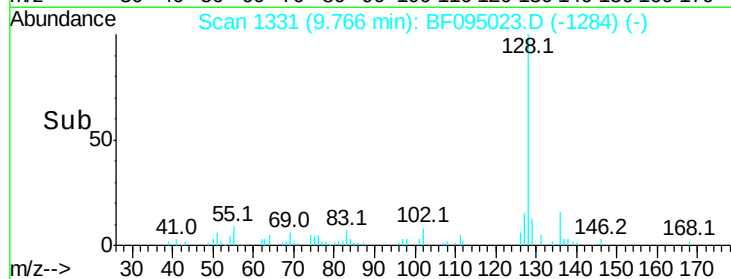
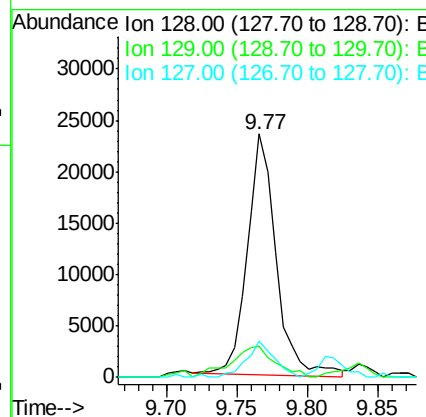
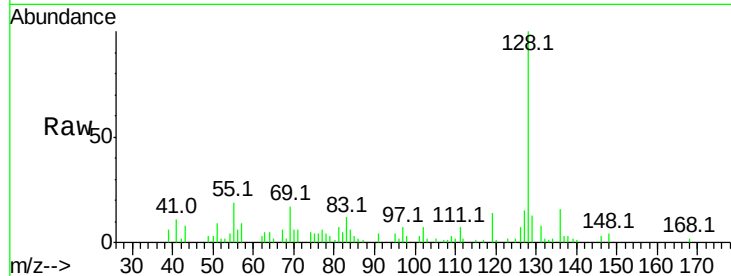
#31
Naphthalene
Concen: 2.15 ng
RT: 9.77 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Instrument :
BNA_F
ClientSampleId :
E2-U7-BASE

Tot Ion:128	Resp:	33772
Ion Ratio	Lower	Upper
128 100		
129 12.8	9.0	13.6
127 14.8	10.8	16.2

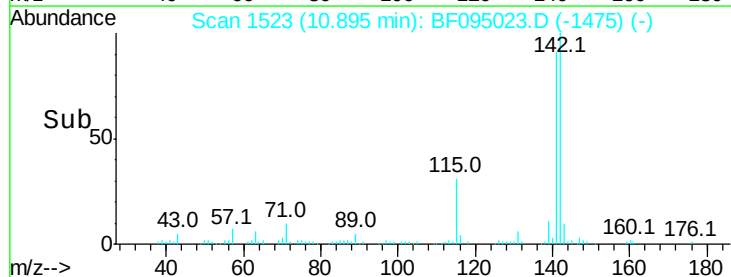
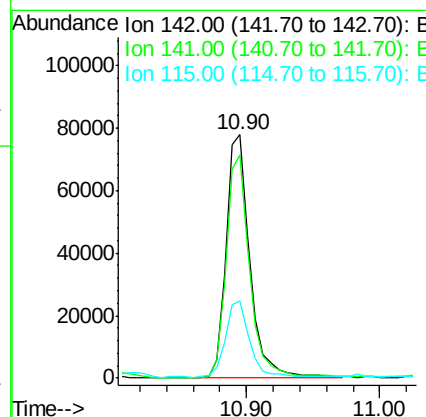
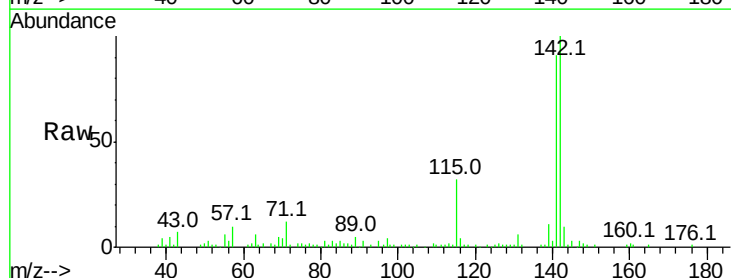
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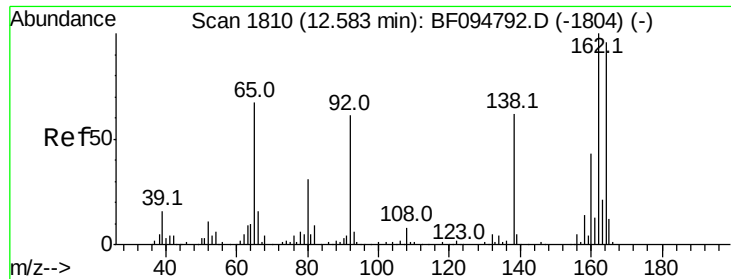
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#37
2-Methylnaphthalene
Concen: 9.55 ng
RT: 10.90 min Scan# 1523
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion:142	Resp:	98230
Ion Ratio	Lower	Upper
142 100		
141 91.4	71.3	106.9
115 31.7	27.1	40.7





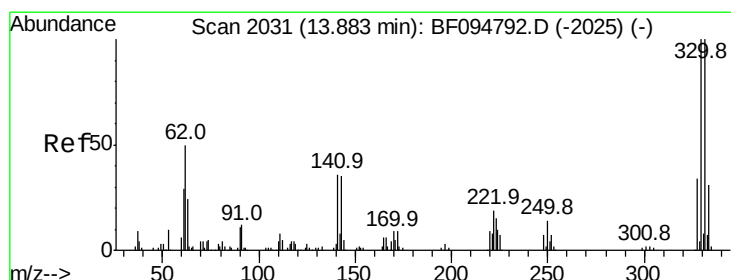
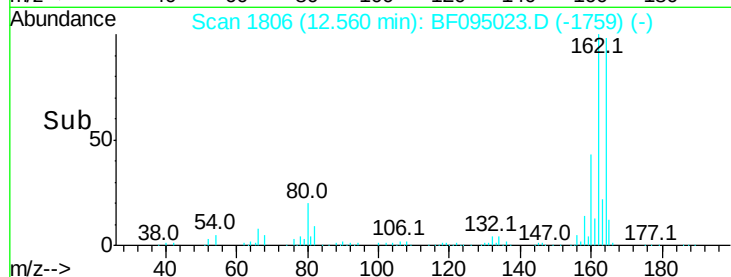
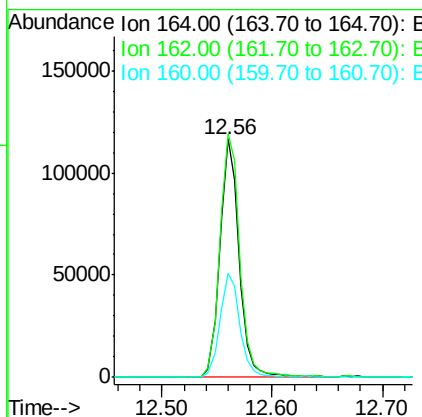
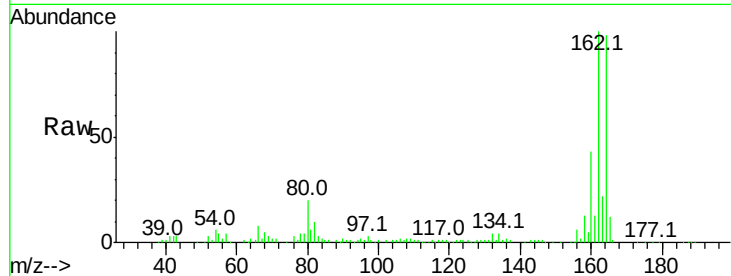
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Instrument :
BNA_F
ClientSampleId :
E2-U7-BASE

Tot Ion	Ratio	Resp	Lower	Upper
164	100	142561		
162	102.2	82.6	123.8	
160	43.8	36.2	54.2	

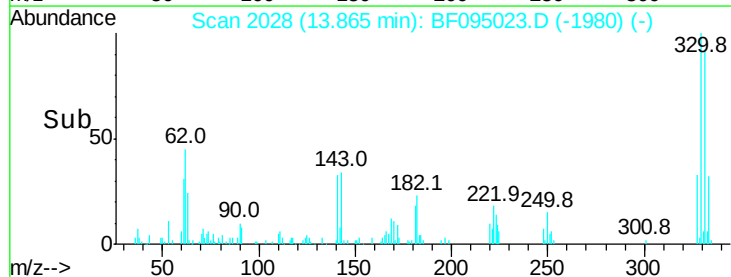
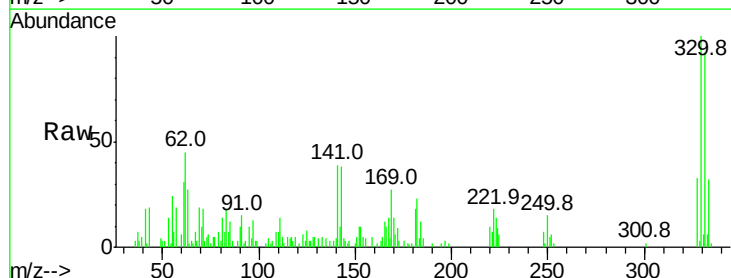
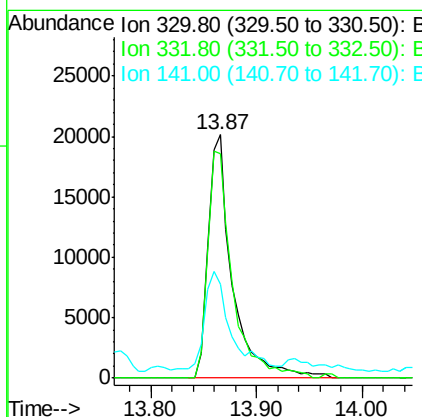
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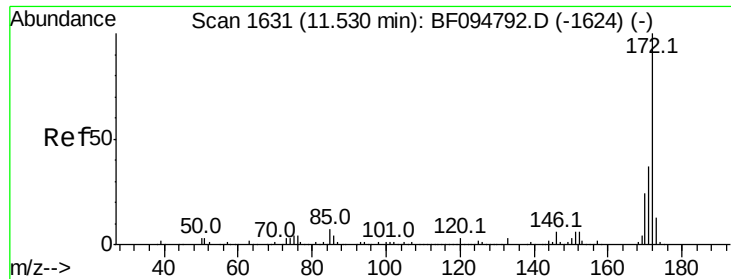
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#41
2,4,6-Tribromophenol
Concen: 27.65 ng
RT: 13.87 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	32281		
332	95.7	76.6	115.0	
141	46.0	31.4	47.2	





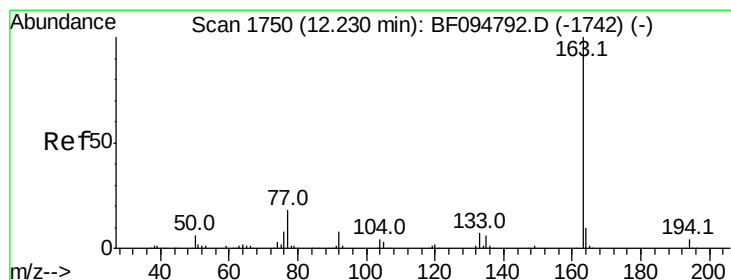
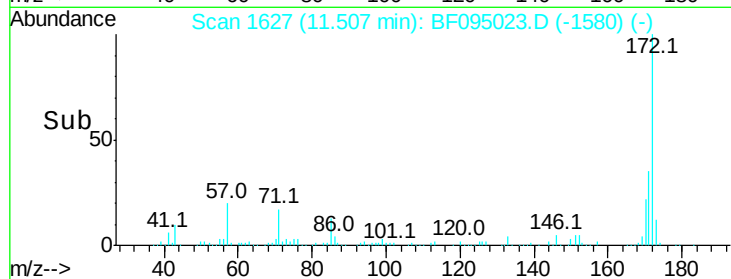
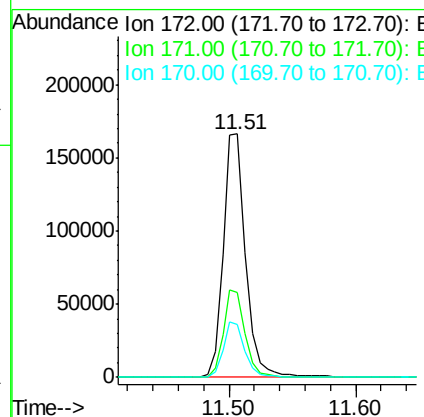
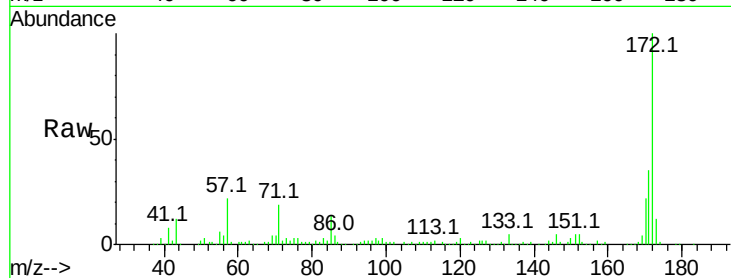
#44
2-Fluorobiphenyl
Concen: 20.65 ng
RT: 11.51 min Scan# 1627
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Instrument :
BNA_F
ClientSampleId :
E2-U7-BASE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	204494		
171	34.7		29.6	44.4
170	21.8		19.8	29.8

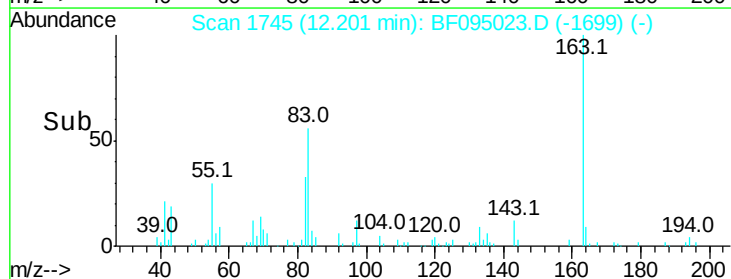
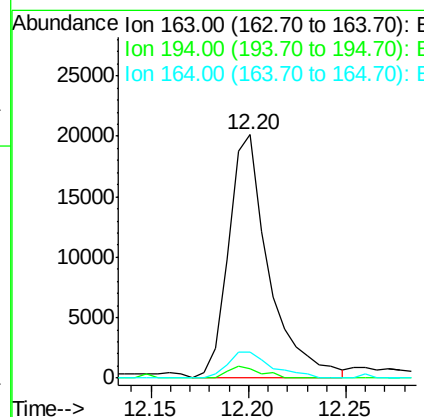
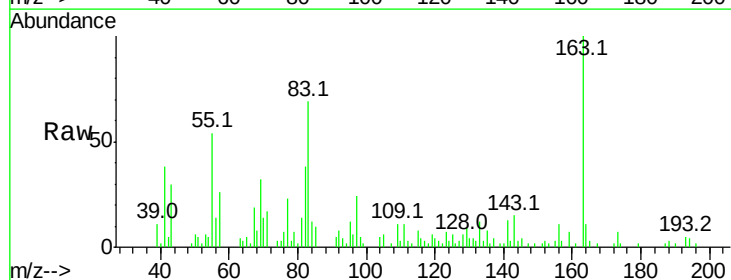
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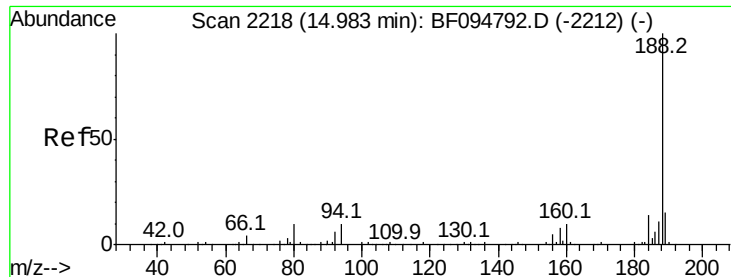
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#49
Dimethylphthalate
Concen: 2.47 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	28879		
194	4.0		2.6	4.0#
164	10.8		8.4	12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.97 min Scan# 2215

Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

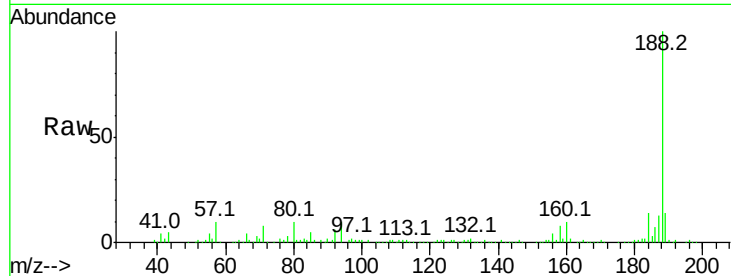
ClientSampleId :

E2-U7-BASE

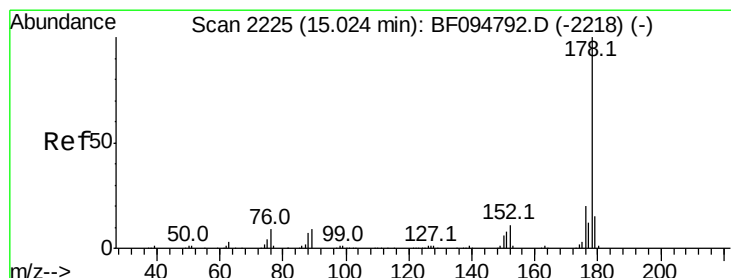
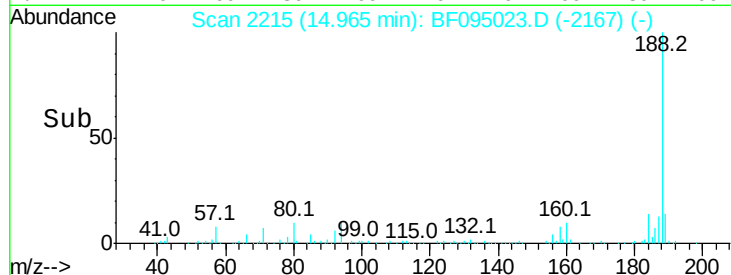
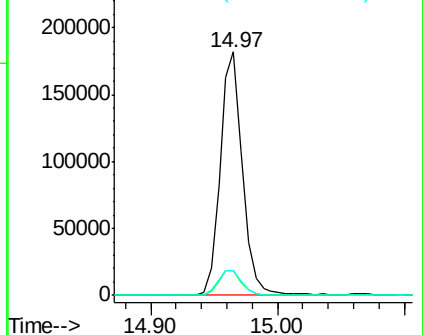
Tot Ion:	188	Resp:	221141
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	10.0	10.2	15.2#

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 6.44 ng

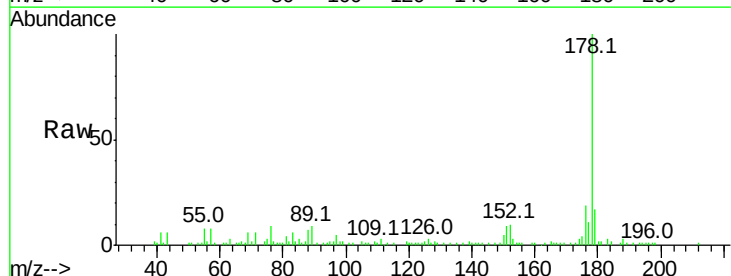
RT: 15.00 min Scan# 2221

Delta R.T. -0.02 min

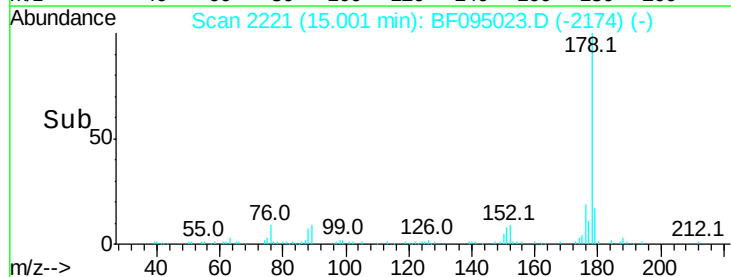
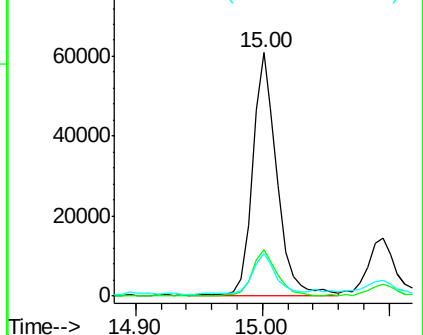
Lab File: BF095023.D

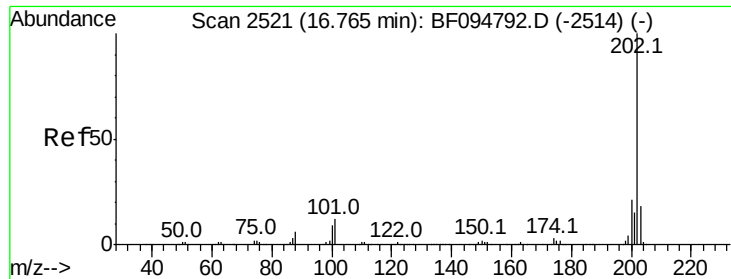
Acq: 9 May 2017 14:48

Tgt Ion:	178	Resp:	81867
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.2	24.4
179	17.4	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.97 ng

RT: 16.75 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

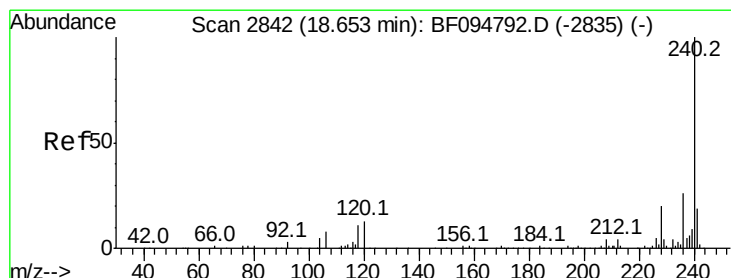
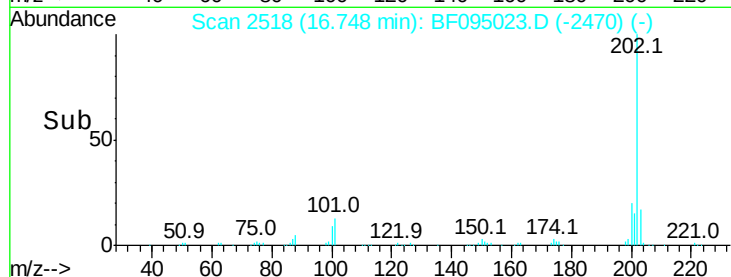
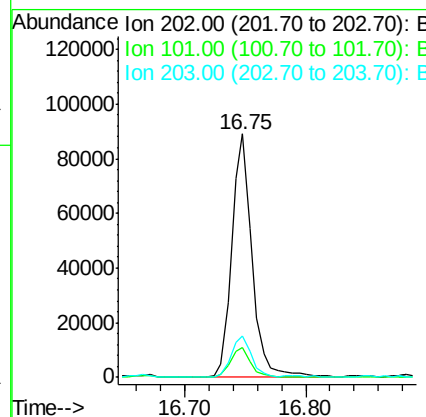
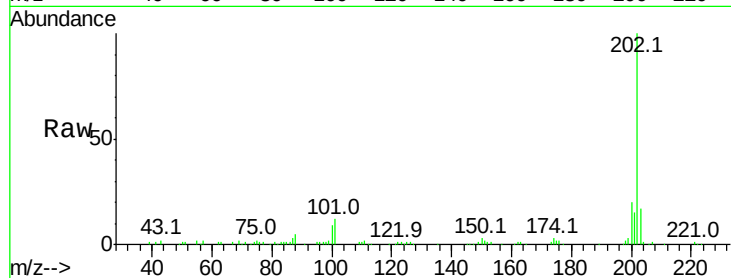
ClientSampleId :

E2-U7-BASE

Tot Ion:	202	Resp:	103943
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	33.2
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

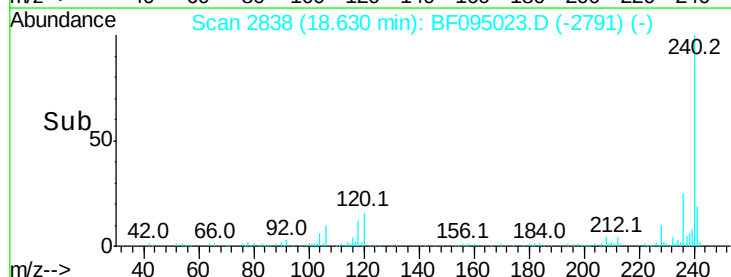
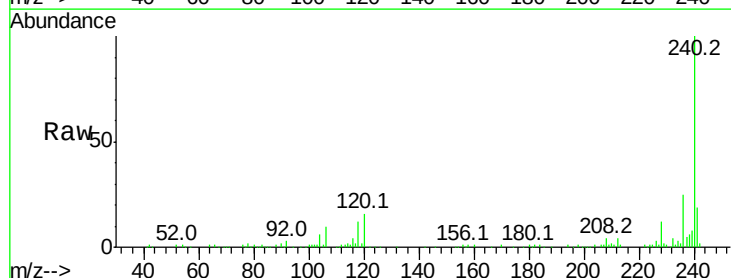
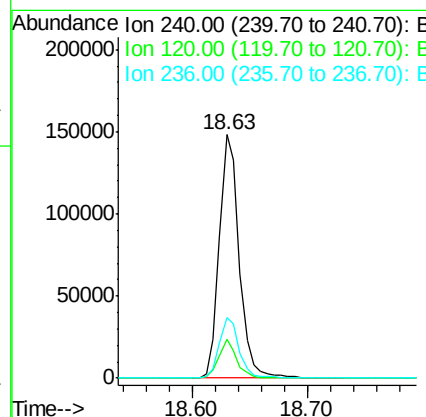
RT: 18.63 min Scan# 2838

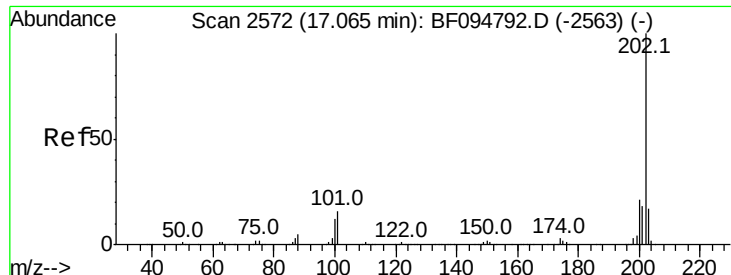
Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Tgt Ion:	240	Resp:	177188
Ion Ratio	Lower	Upper	
240	100		
120	15.7	5.8	8.8#
236	25.0	20.5	30.7





#77

Pvrene

Concen: 7.03 ng

RT: 17.05 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

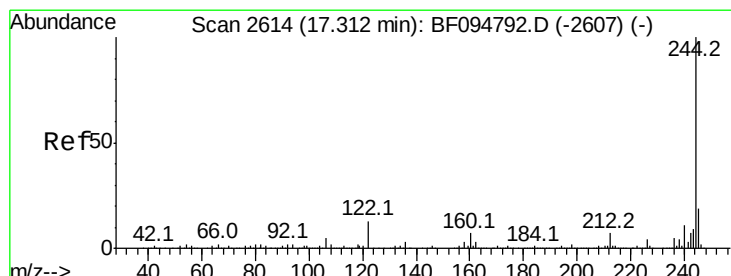
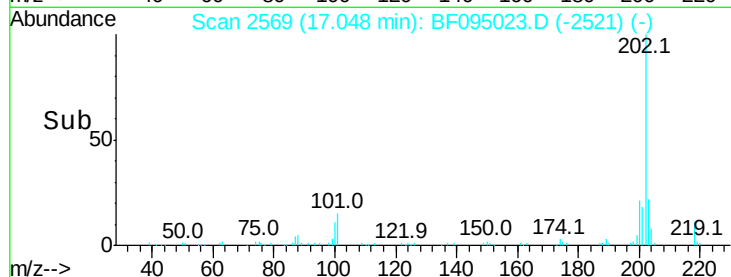
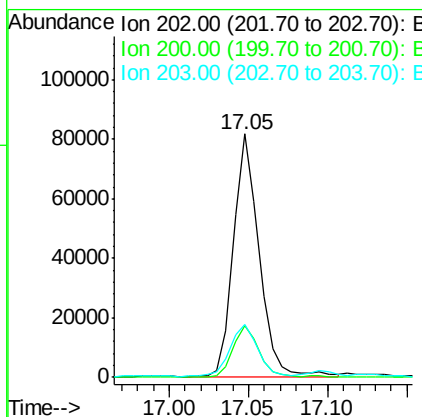
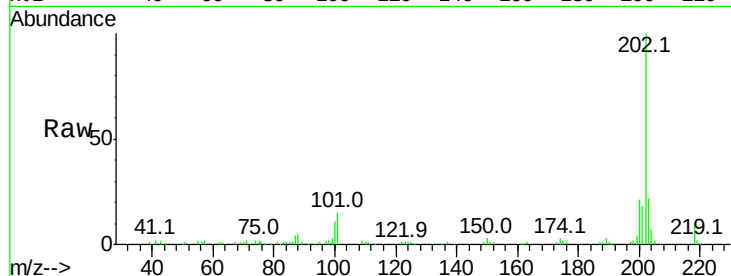
ClientSampled :

E2-U7-BASE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	21.9	14.4	21.6

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#78

Terphenyl-d14

Concen: 17.25 ng

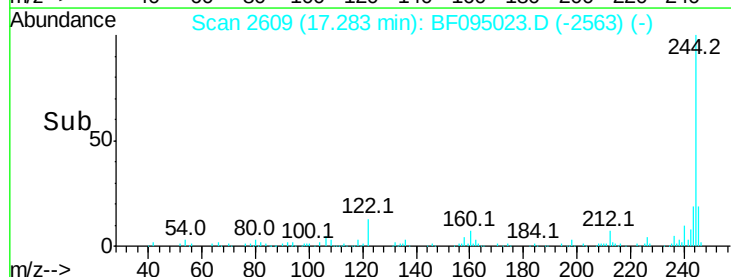
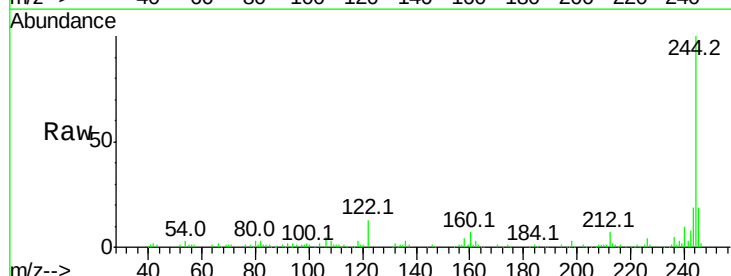
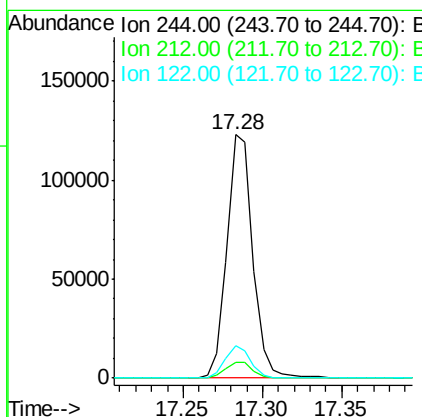
RT: 17.28 min Scan# 2609

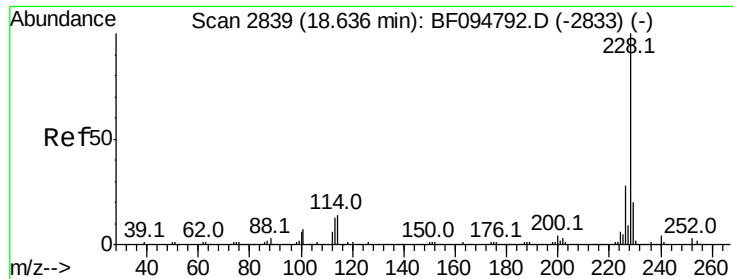
Delta R.T. -0.03 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.5	10.3	15.5





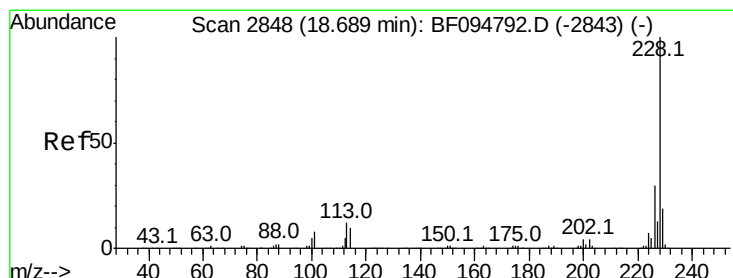
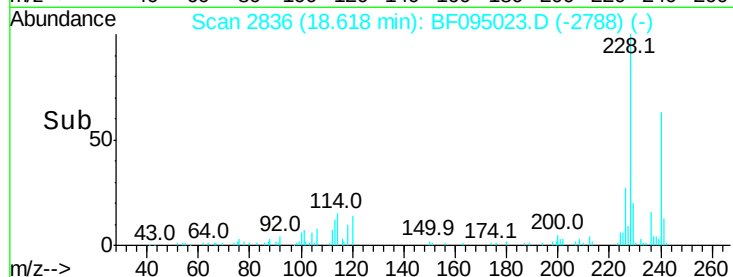
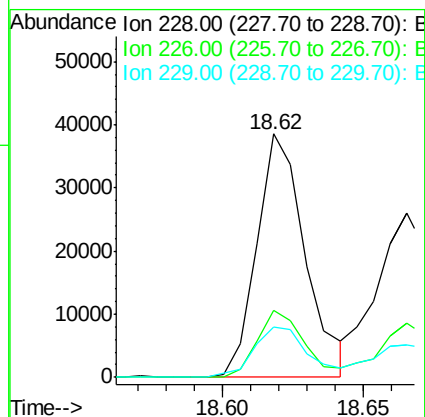
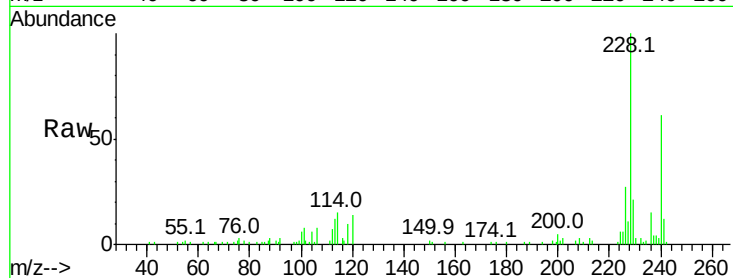
#80
Benzo(a)anthracene
Concen: 4.44 ng
RT: 18.62 min Scan# 2836
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Instrument :
BNA_F
ClientSampleId :
E2-U7-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	20.9	16.3	24.5

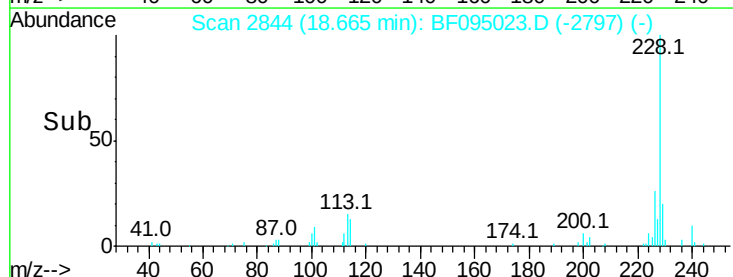
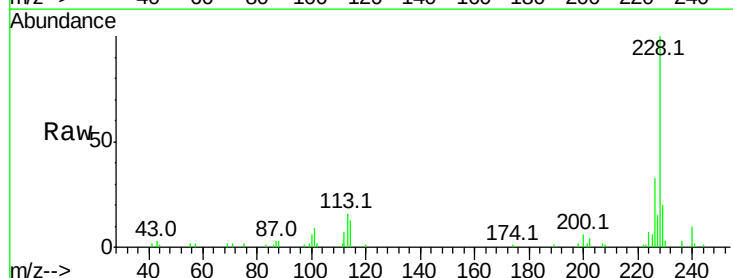
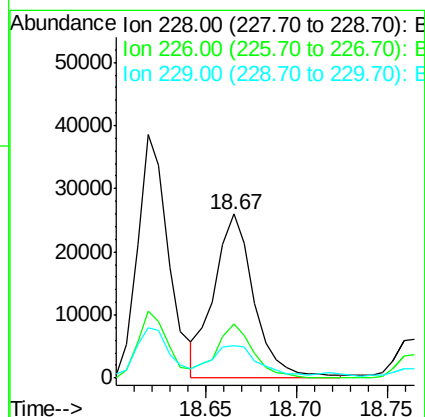
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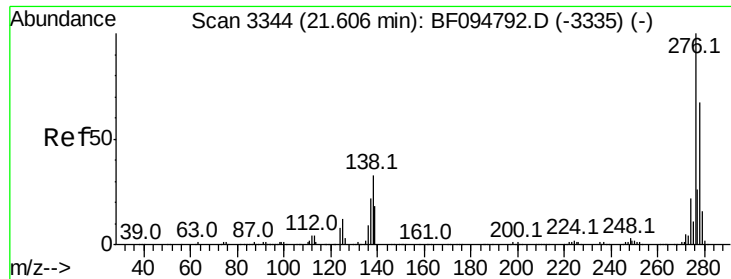
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#82
Chrysene
Concen: 4.01 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095023.D
Acq: 9 May 2017 14:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.9	37.3
229	19.9	15.8	23.6





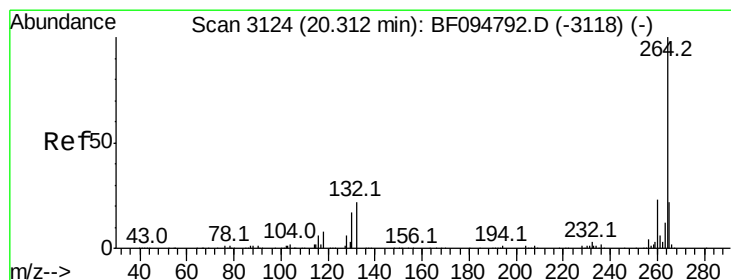
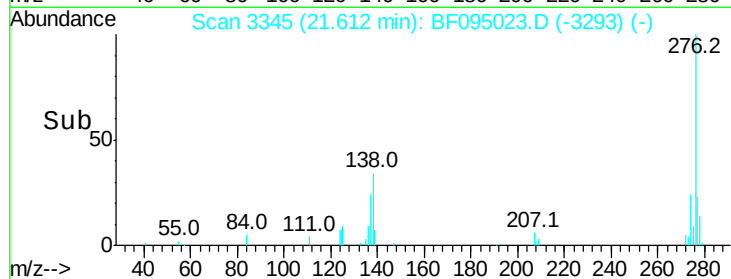
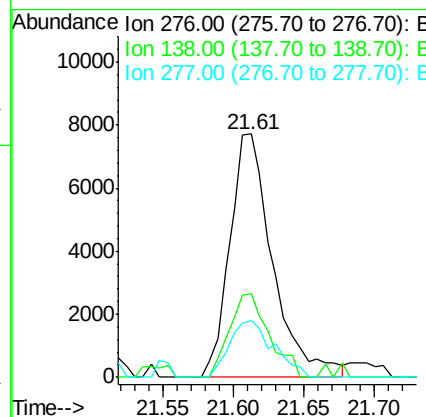
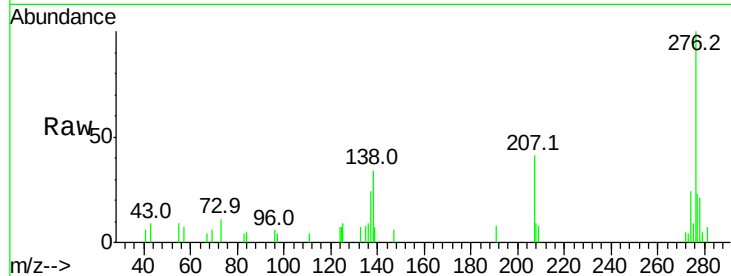
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.02 ng
 RT: 21.61 min Scan# 3345
 Delta R.T. 0.01 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

Instrument :
 BNA_F
 ClientSampled :
 E2-U7-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.6	27.8	41.6
277	23.8	20.2	30.4

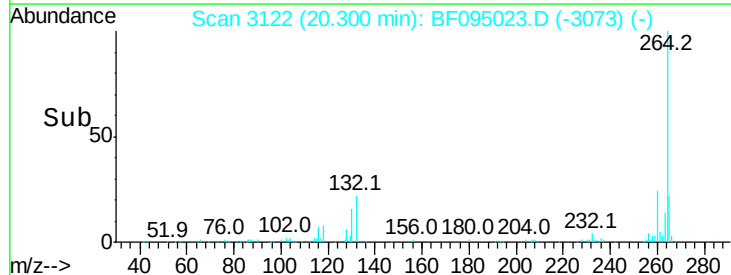
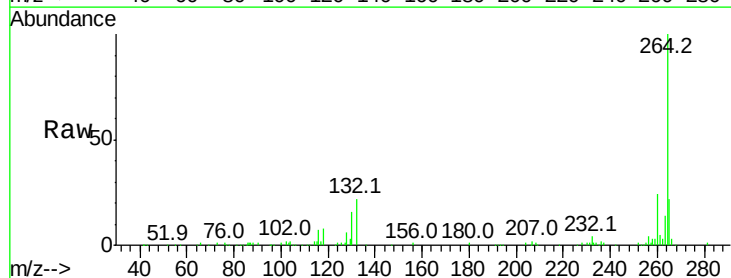
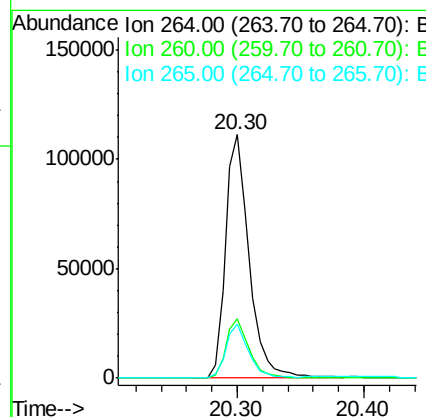
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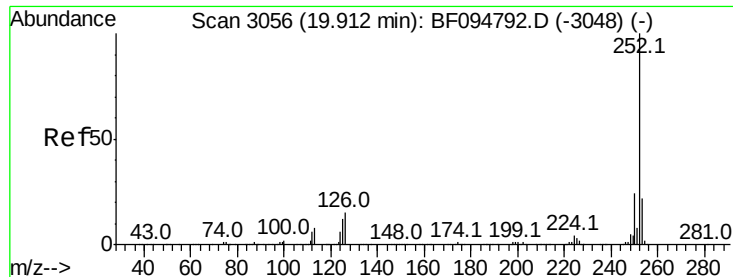
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 4.67 ng

RT: 19.90 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Instrument :

BNA_F

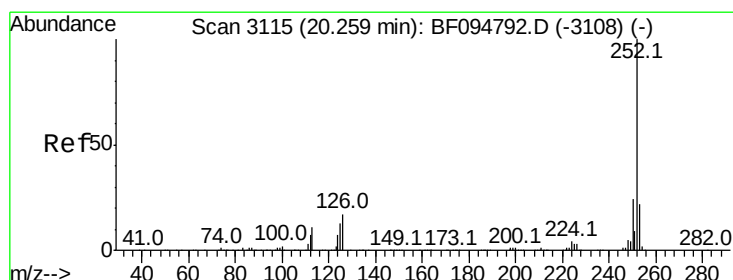
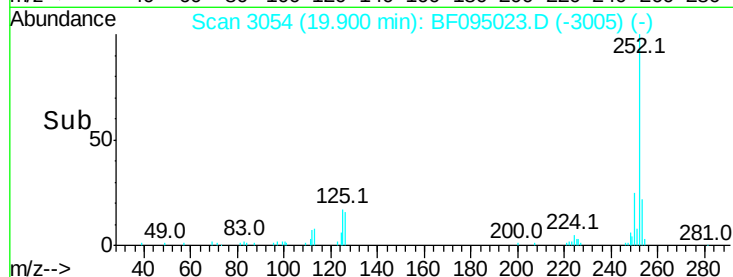
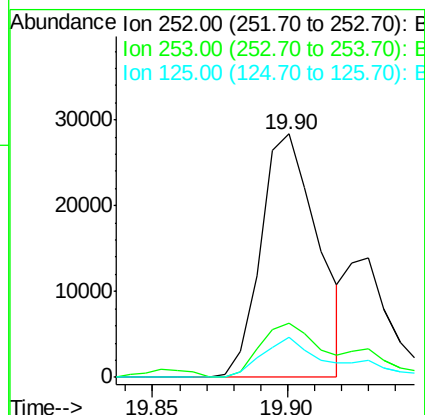
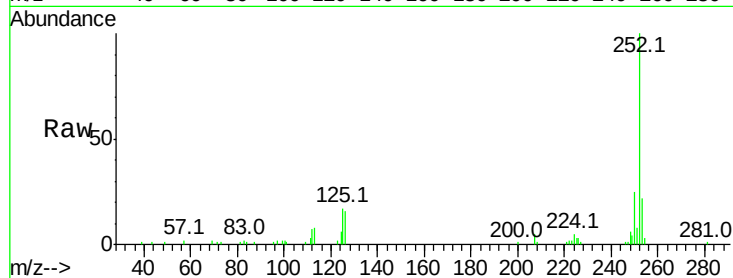
ClientSampleId :

E2-U7-BASE

Tot Ion:	252	Resp:	41507
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	16.6	9.8	14.8

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#89

Benzo(a)pyrene

Concen: 4.19 ng

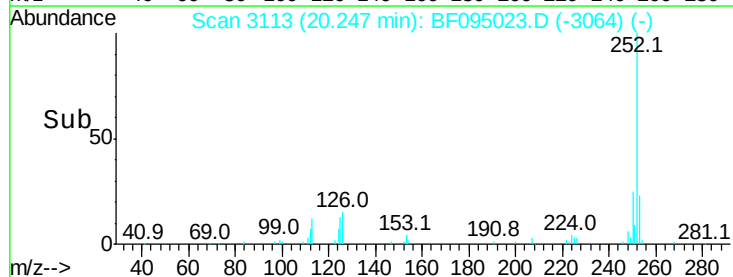
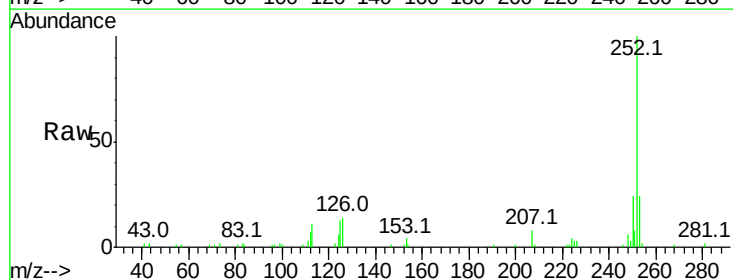
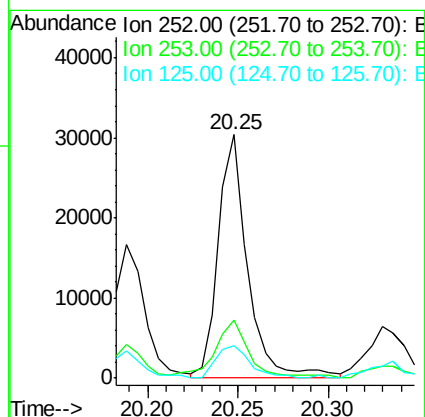
RT: 20.25 min Scan# 3113

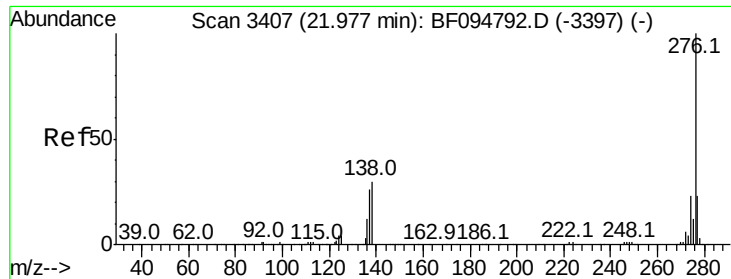
Delta R.T. -0.01 min

Lab File: BF095023.D

Acq: 9 May 2017 14:48

Tgt Ion:	252	Resp:	34378
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	13.1	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.31 ng
 RT: 21.99 min Scan# 3409
 Delta R.T. 0.01 min
 Lab File: BF095023.D
 Acq: 9 May 2017 14:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-U7-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	28.0
138	32.9	25.4	38.0

Manual Integrations
 APPROVED

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