

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095390.D
 Acq On : 24 May 2017 15:47
 Operator : SJ/MA
 Sample : I3281-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP-3-D34

Manual Integrations
 APPROVED

mohammad
 5/25/2017 8:51:59 AM

Quant Time: May 25 03:04:03 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	7.75	152	91365	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	341270	20.00	ng	-0.01
38) Acenaphthene-d10	12.60	164	151673	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	262116	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	166009	20.00	ng	-0.02
86) Perylene-d12	20.35	264	146416	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	524925	95.79	ng	-0.02
7) Phenol-d6	7.29	99	667705	101.55	ng	-0.02
23) Nitrobenzene-d5	8.65	82	395845	73.14	ng	-0.02
41) 2,4,6-Tribromophenol	13.90	330	110015	88.57	ng	-0.02
44) 2-Fluorobiphenyl	11.54	172	570764	54.16	ng	-0.02
78) Terphenyl-d14	17.32	244	408588	54.21	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.24	163	119565	9.60	ng	98
57) Fluorene	13.51	166	25517	2.20	ng	93
70) Phenanthrene	15.04	178	286552	19.03	ng	98
71) Anthracene	15.14	178	67893m	4.41	ng	
73) Di-n-butylphthalate	15.97	149	1345151	77.06	ng	99
74) Fluoranthene	16.79	202	261286	16.91	ng	98
77) Pyrene	17.09	202	210926	16.99	ng	95
79) Butylbenzylphthalate	17.99	149	951098	164.69	ng	# 88
80) Benzo(a)anthracene	18.67	228	70072	7.25	ng	97
82) Chrysene	18.71	228	69817	7.47	ng	99
83) Bis(2-ethylhexyl)phthalate	18.72	149	61036	7.42	ng	# 99
84) Di-n-octyl phthalate	19.49	149	48770	3.62	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.71	276	32531	4.29	ng	98
88) Benzo(k)fluoranthene	19.98	252	26067m	2.99	ng	
89) Benzo(a)pyrene	20.31	252	46613	5.58	ng	95
91) Benzo(g,h,i)perylene	22.09	276	30951	4.57	ng	# 88

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

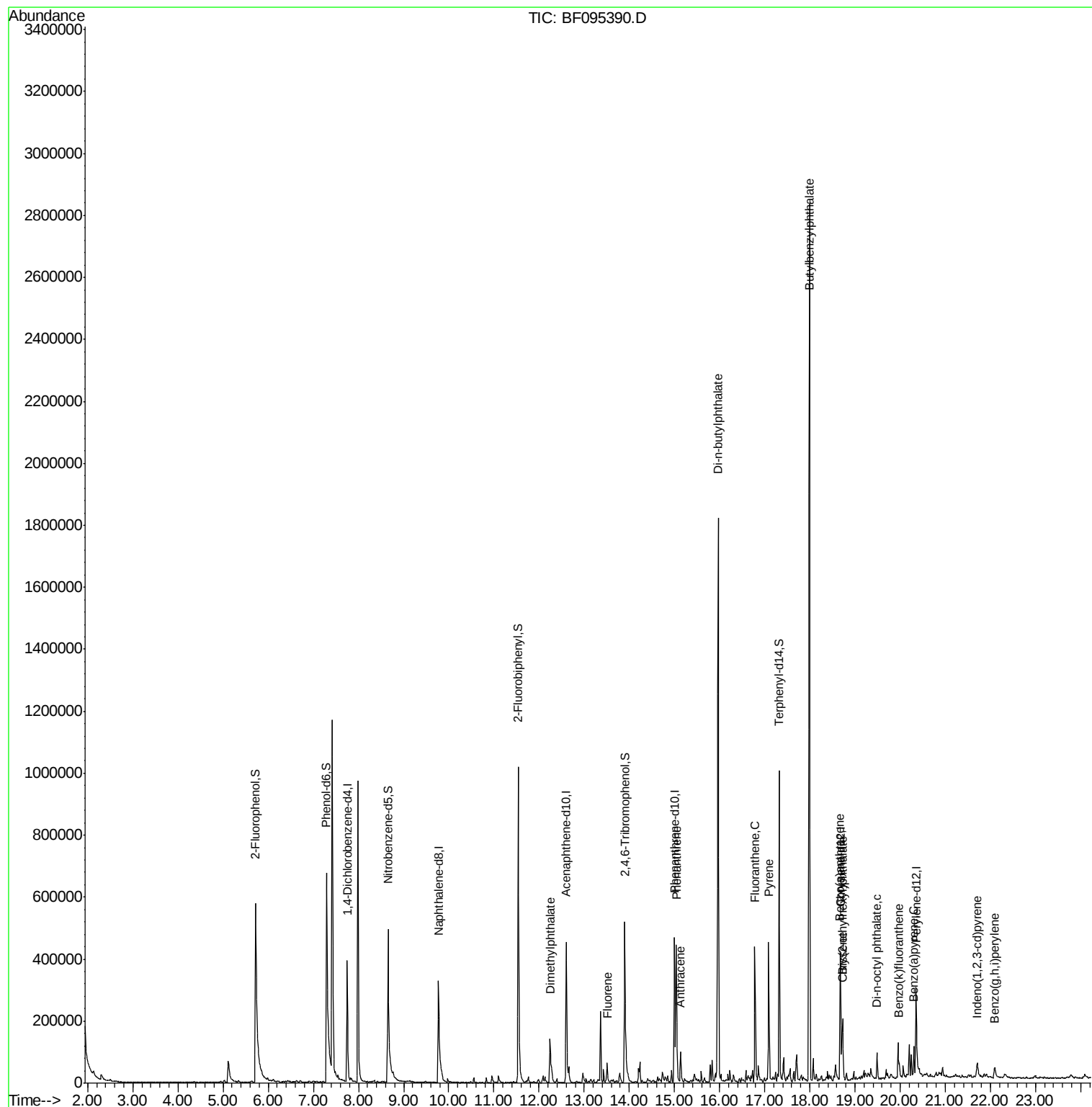
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#1

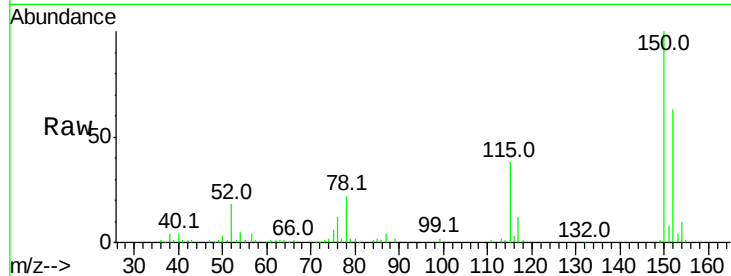
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampleId :
R1-TP-3-D34

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	61.2	52.2	78.2

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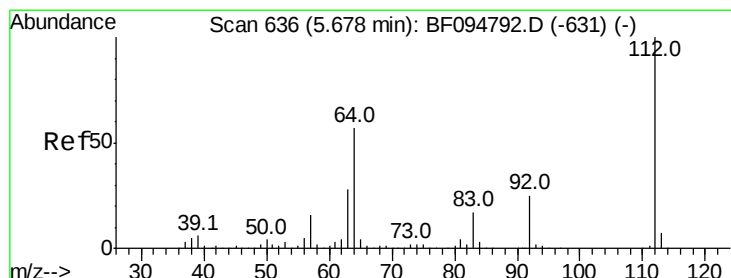
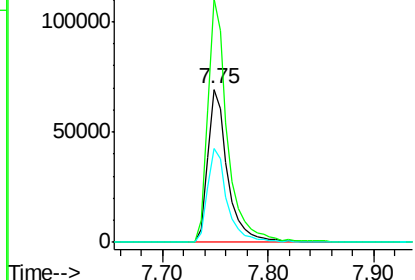
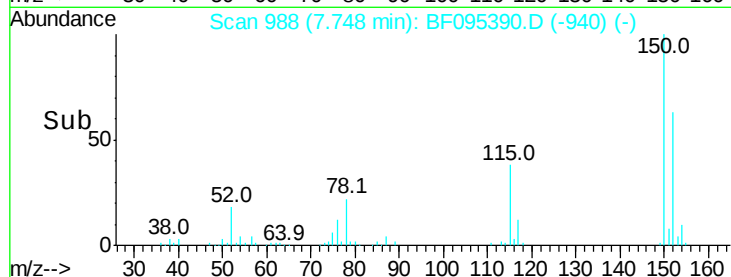


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

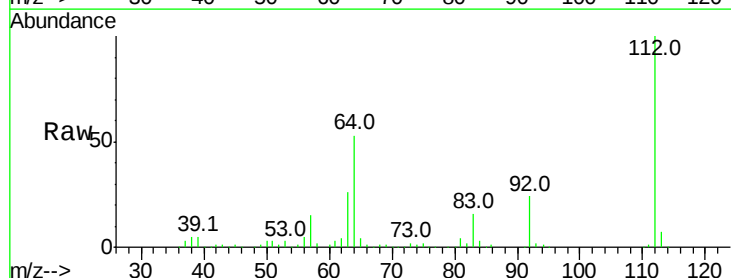
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.79 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	46.0	69.0
63	25.8	23.4	35.0

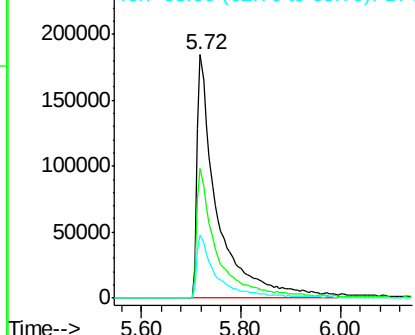
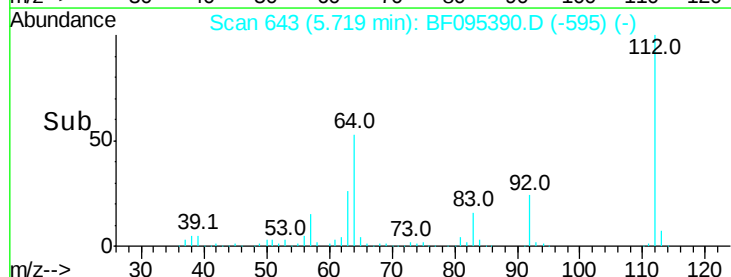


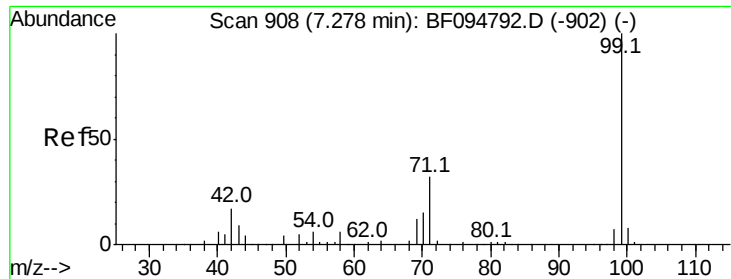
Abundance

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: 101.55 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

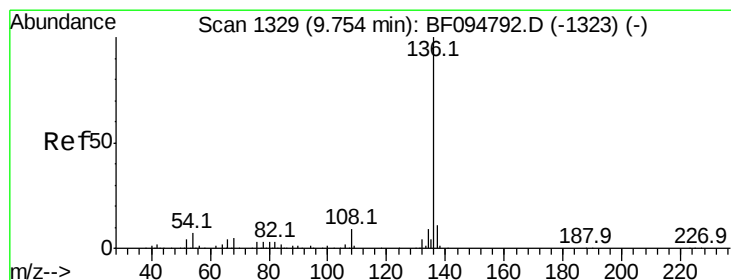
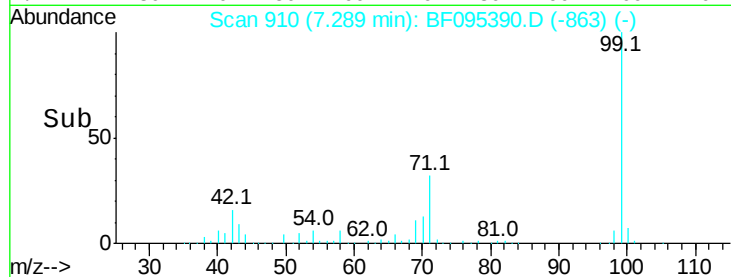
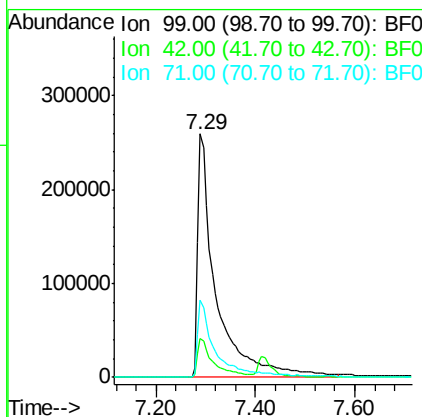
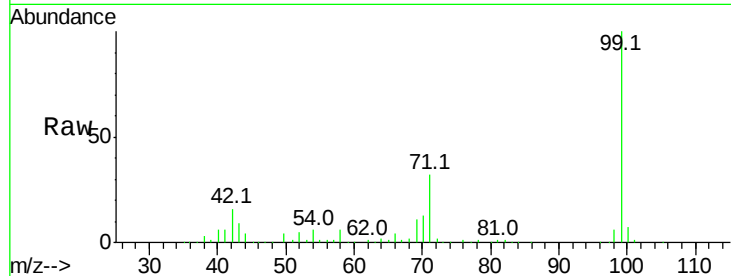
ClientSampleId :

R1-TP-3-D34

Tot Ion:	99	Resp:	667705
Ion Ratio	Lower	Upper	
99	100		
42	16.1	13.5	20.3
71	32.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

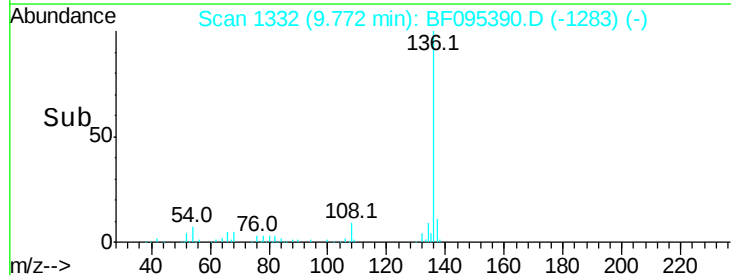
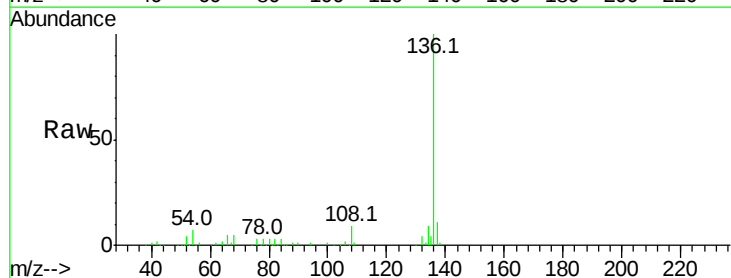
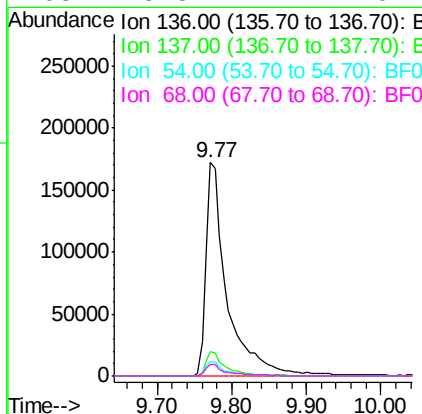
RT: 9.77 min Scan# 1332

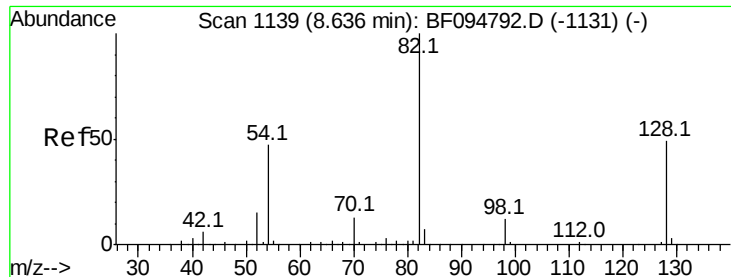
Delta R.T. -0.01 min

Lab File: BF095390.D

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Tgt Ion:	136	Resp:	341270
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	6.8	4.9	7.3
68	5.3	4.1	6.1





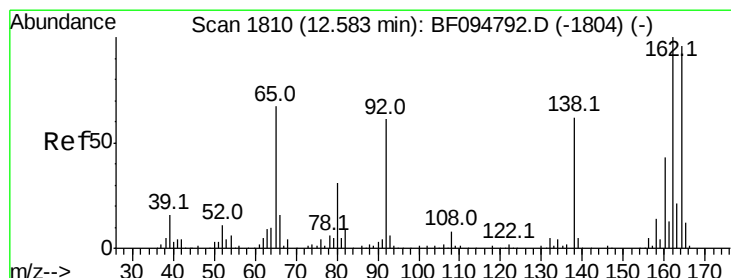
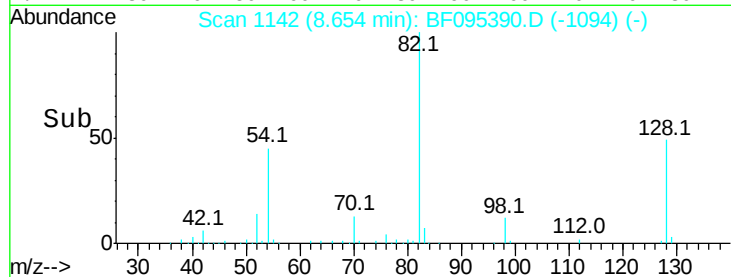
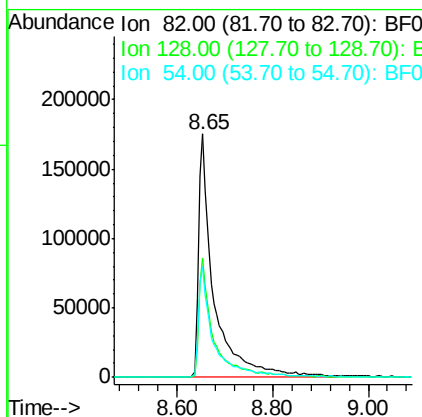
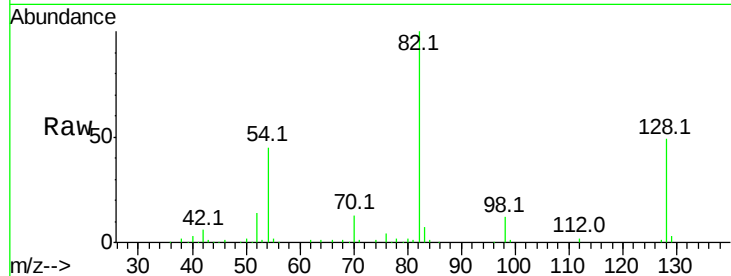
#23
Nitrobenzene-d5
Concen: 73.14 ng
RT: 8.65 min Scan# 1142
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampleId :
R1-TP-3-D34

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.3	34.0	51.0	
54	45.5	42.2	63.2	

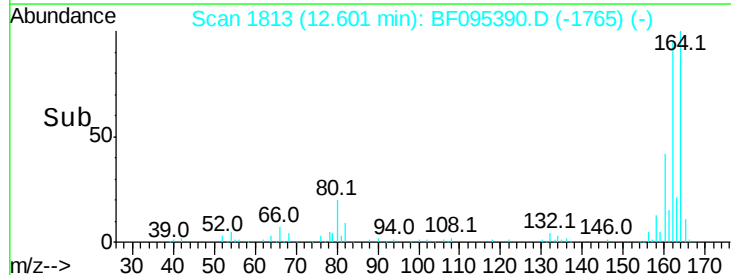
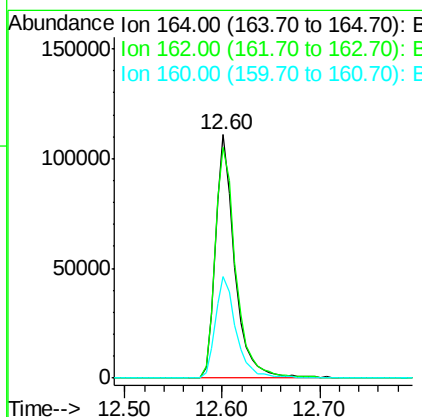
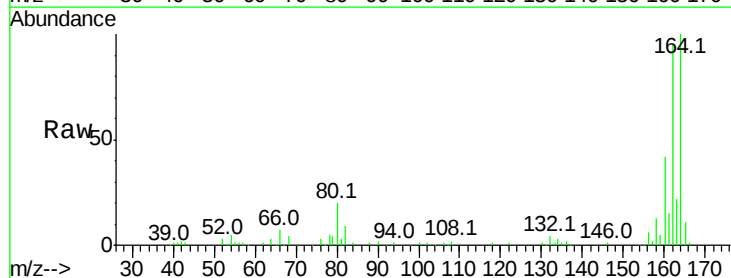
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.60 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	95.0	82.6	123.8	
160	41.8	36.2	54.2	





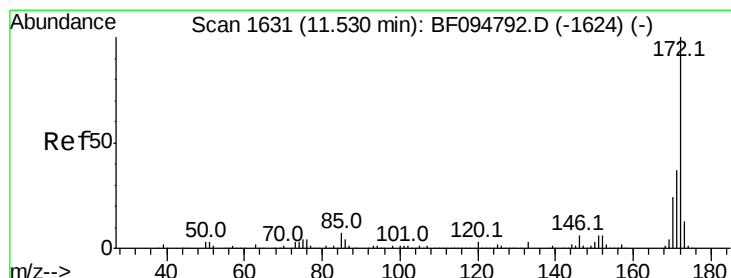
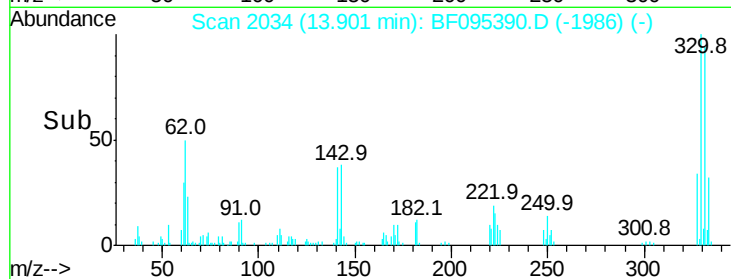
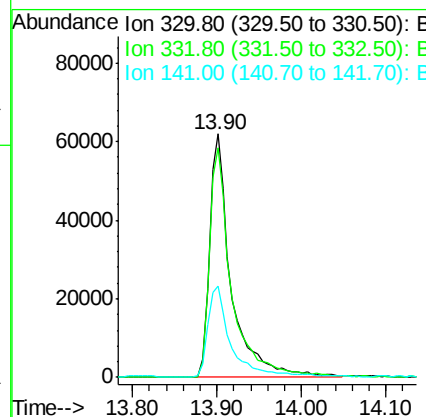
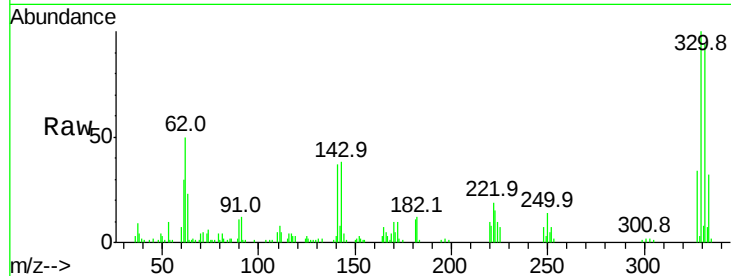
#41
 2,4,6-Tribromophenol
 Concen: 88.57 ng
 RT: 13.90 min Scan# 2034
 Delta R.T. -0.02 min
 Lab File: BF095390.D
 Acq: 24 May 2017 15:47

Instrument :
 BNA_F
 ClientSampleId :
 R1-TP-3-D34

Tot Ion	Ratio	Resp	Lower	Upper
330	100	110015		
332	97.5	76.6	115.0	
141	41.5	31.4	47.2	

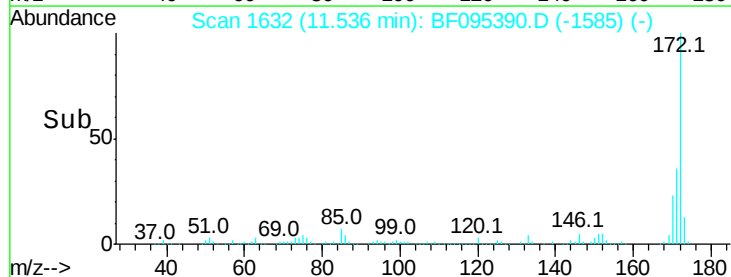
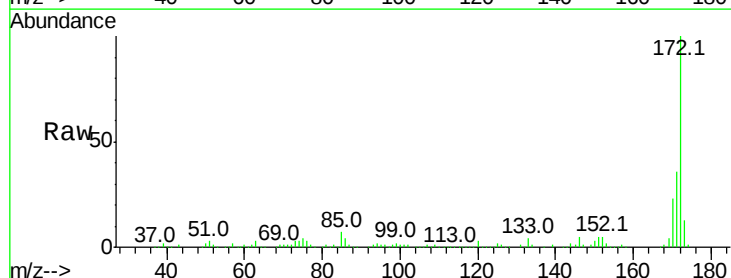
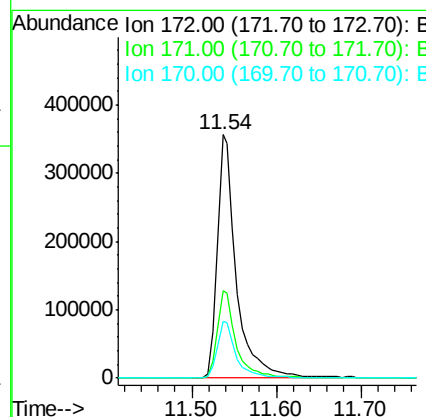
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#44
 2-Fluorobiphenyl
 Concen: 54.16 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. -0.02 min
 Lab File: BF095390.D
 Acq: 24 May 2017 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	570764		
171	36.1	29.6	44.4	
170	23.1	19.8	29.8	





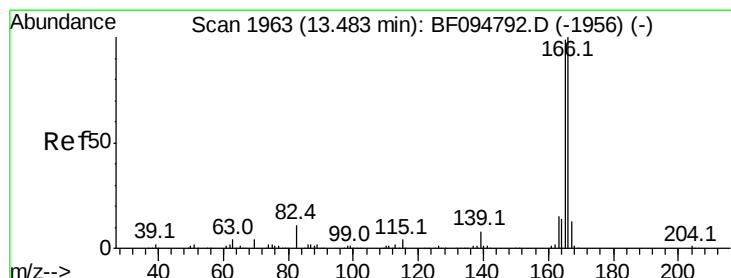
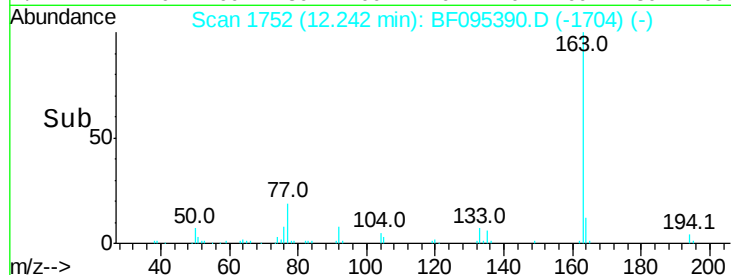
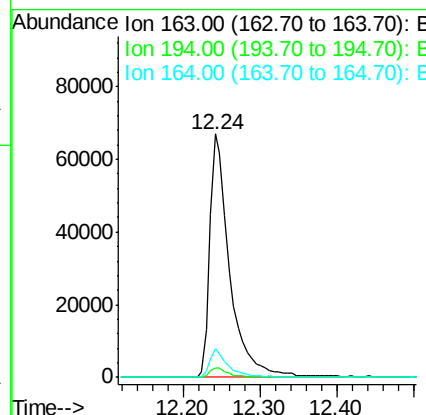
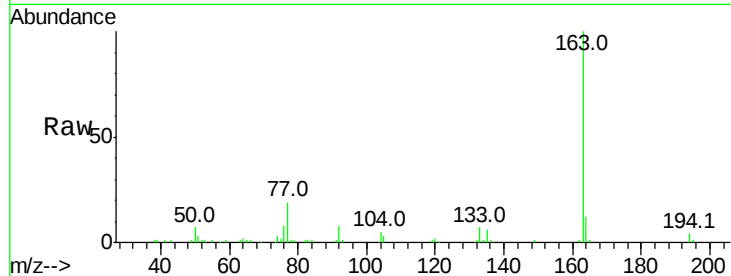
#49
Dimethylphthalate
Concen: 9.60 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampleId :
R1-TP-3-D34

Tot Ion	Ratio	Resp	Lower	Upper
163	100	119565		
194	3.6		2.6	4.0
164	11.6		8.4	12.6

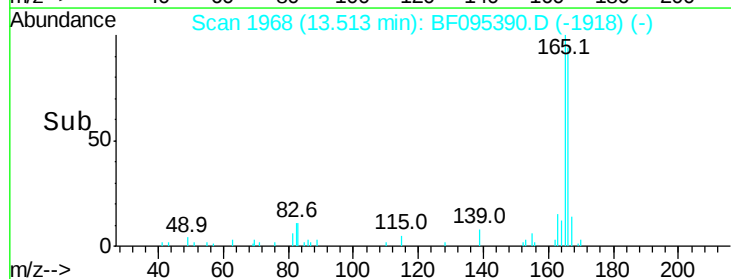
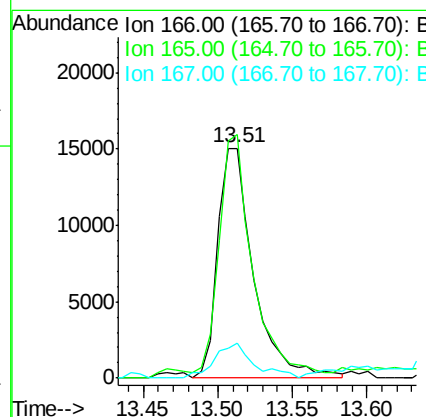
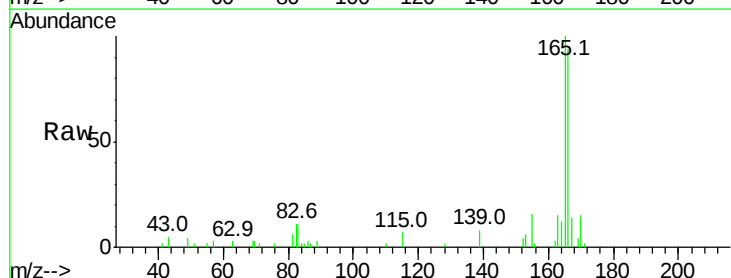
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#57
Fluorene
Concen: 2.20 ng
RT: 13.51 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	25517		
165	105.9		78.8	118.2
167	15.3		10.6	16.0





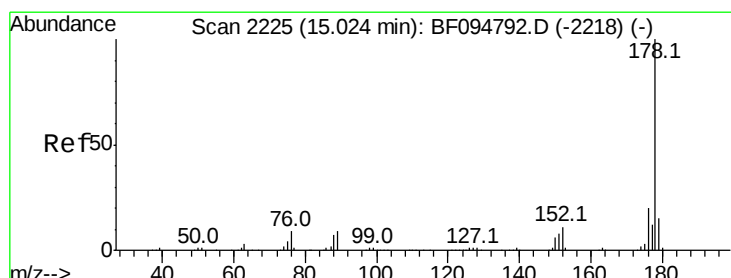
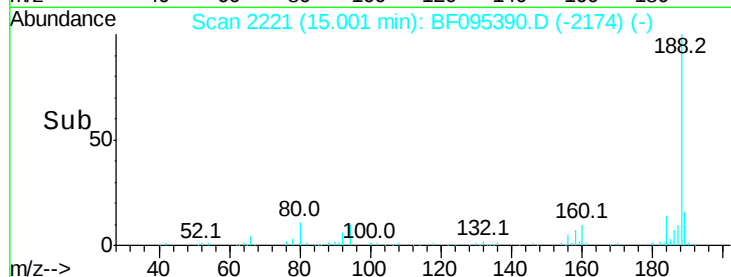
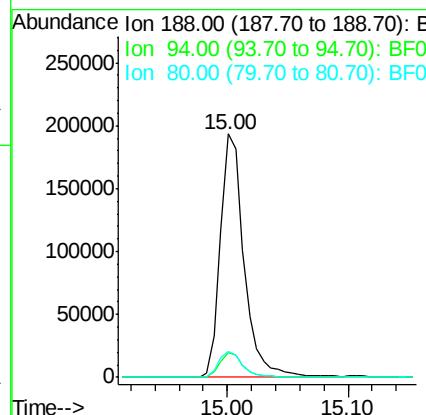
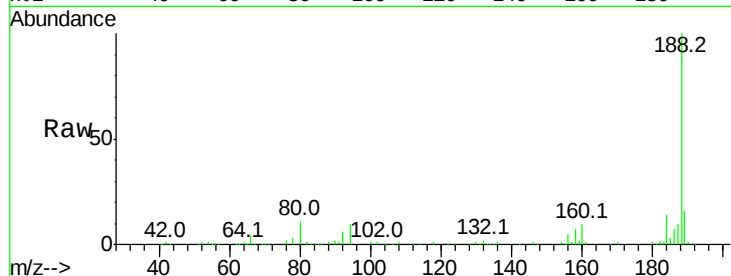
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.00 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampleId :
R1-TP-3-D34

Tot Ion	Ratio	Resp	Lower	Upper
188	100	262116		
94	10.4		9.4	14.2
80	10.7		10.2	15.2

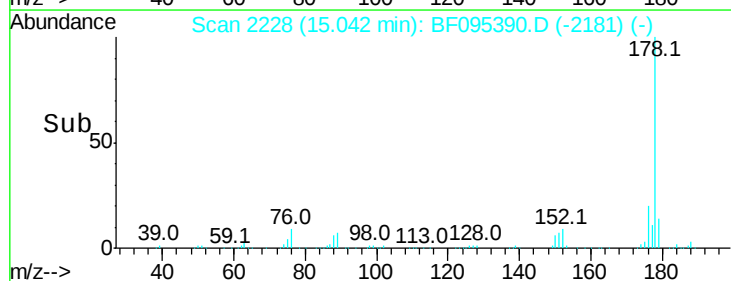
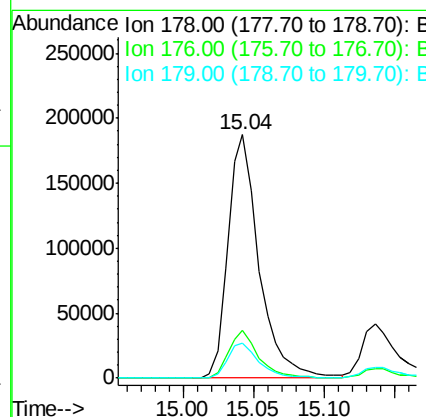
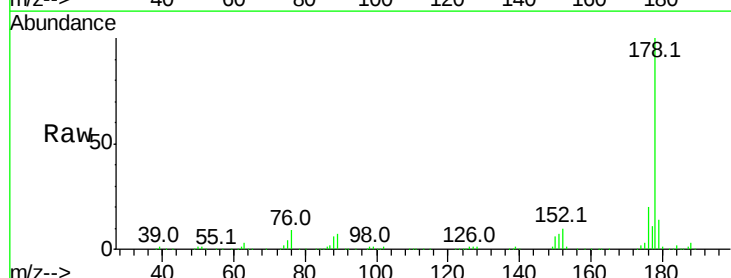
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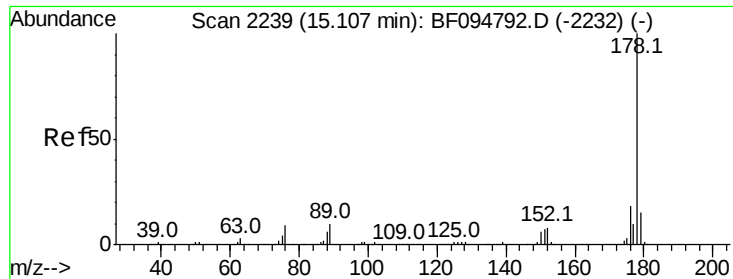
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#70
Phenanthrene
Concen: 19.03 ng
RT: 15.04 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	286552		
176	19.5		16.2	24.4
179	14.3		12.6	19.0





#71

Anthracene

Concen: 4.41 ng/mL

RT: 15.14 min Scan# 2244

Delta R.T. -0.01 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

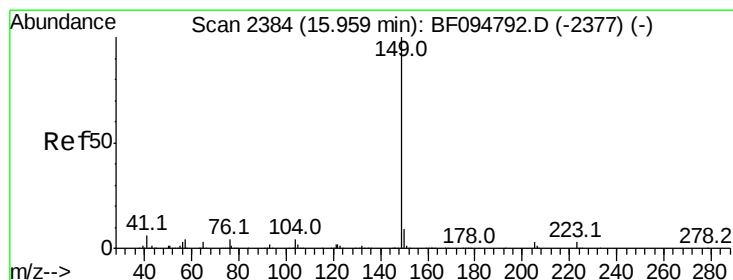
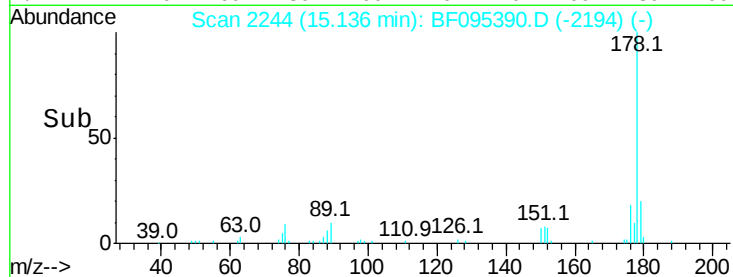
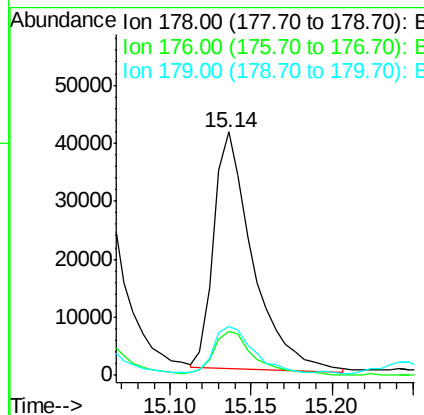
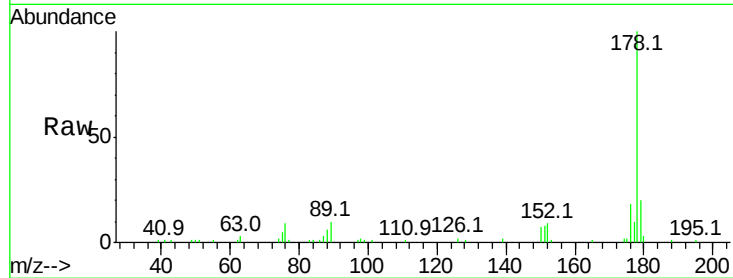
ClientSampleId :

R1-TP-3-D34

Tot Ion:178 Resp: 67893
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.8 23.8
 179 20.1 12.7 19.1#

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#73

Di-n-butylphthalate

Concen: 77.06 ng/mL

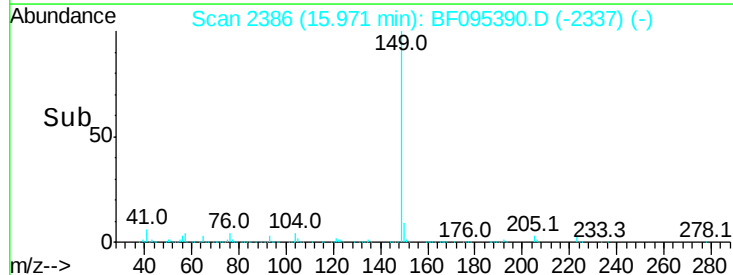
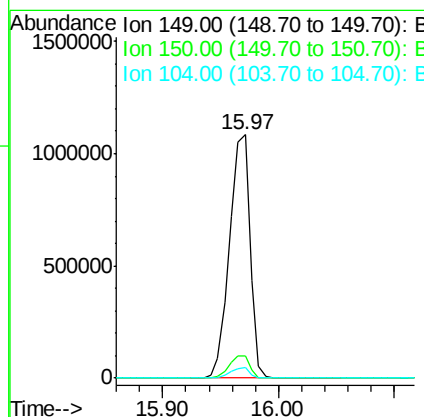
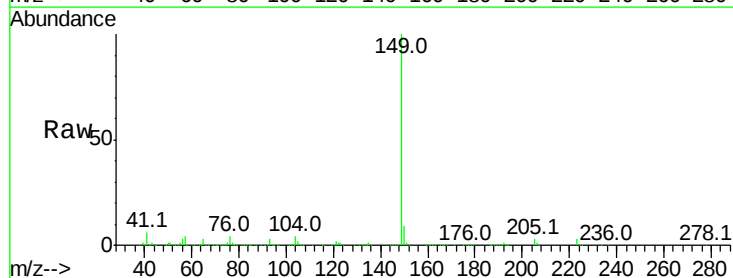
RT: 15.97 min Scan# 2386

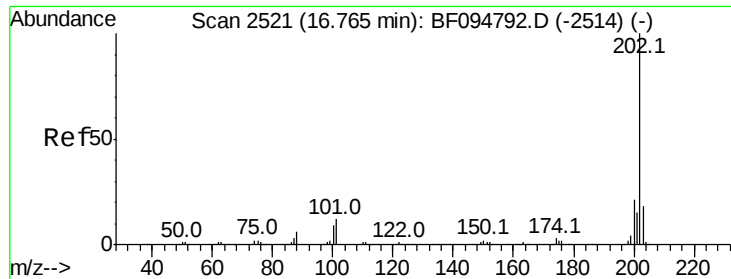
Delta R.T. -0.01 min

Lab File: BF095390.D

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Tgt Ion:149 Resp: 1345151
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.7 11.5
 104 4.4 4.0 6.0





#74

Fluoranthene

Concen: 16.91 ng

RT: 16.79 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

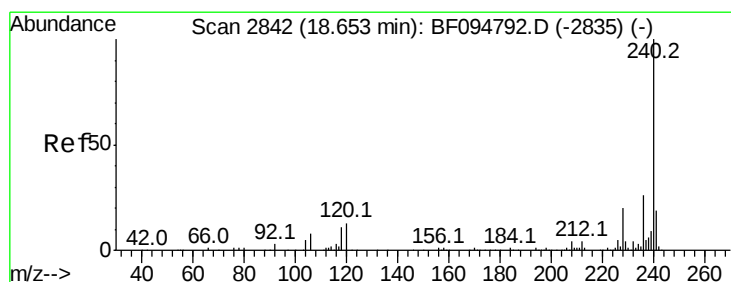
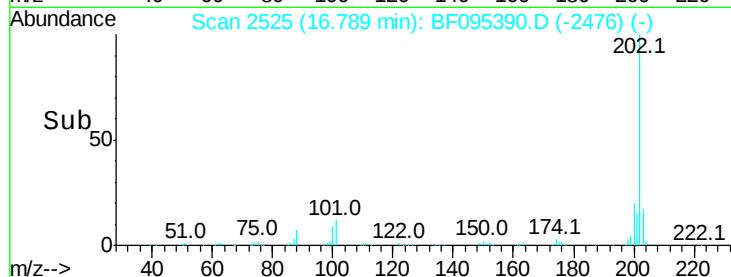
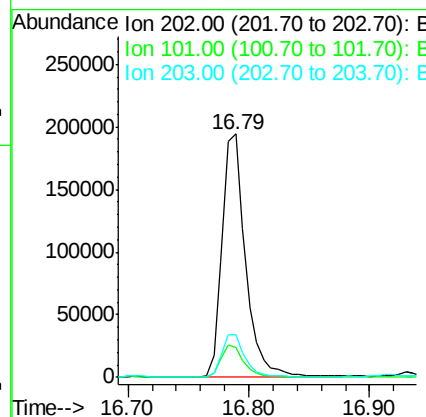
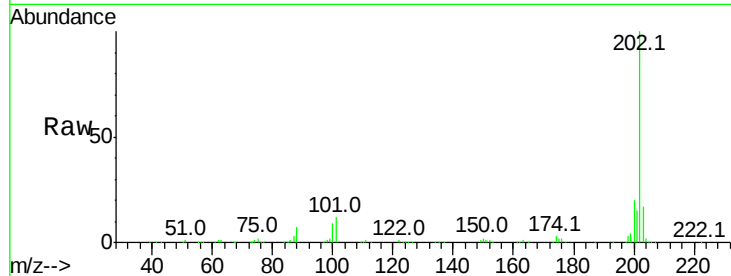
ClientSampleId :

R1-TP-3-D34

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	33.2
203	17.4	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

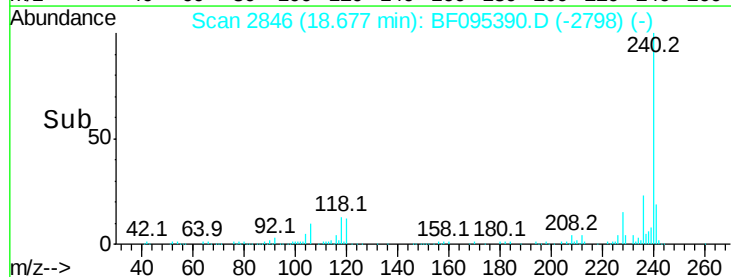
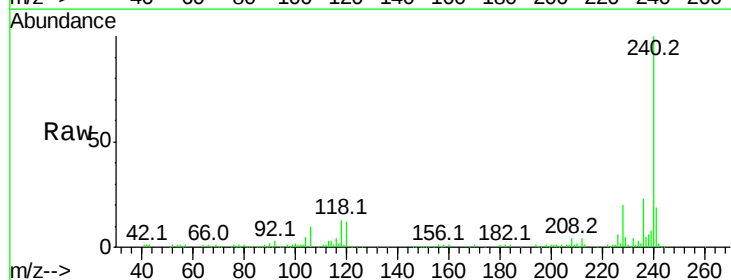
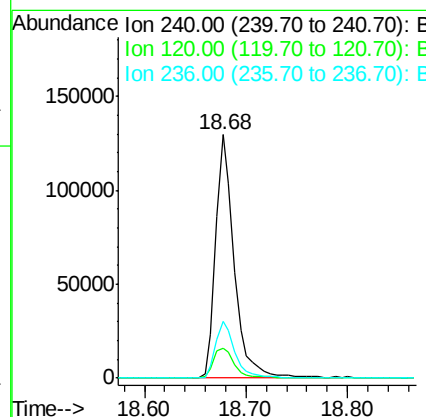
RT: 18.68 min Scan# 2846

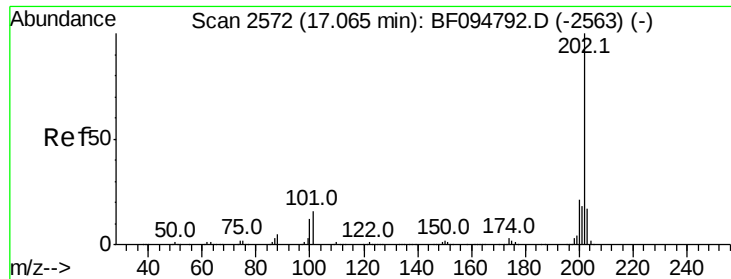
Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.4	5.8	8.8#
236	23.3	20.5	30.7





#77

Pvrene

Concen: 16.99 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

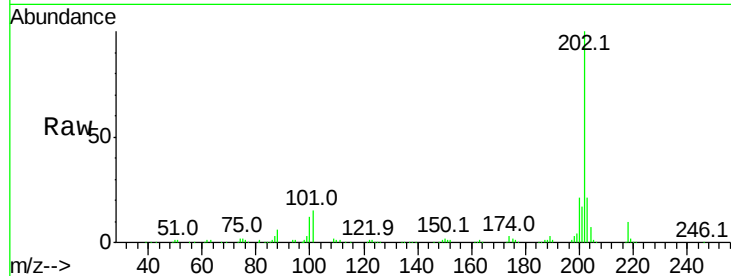
ClientSampleId :

R1-TP-3-D34

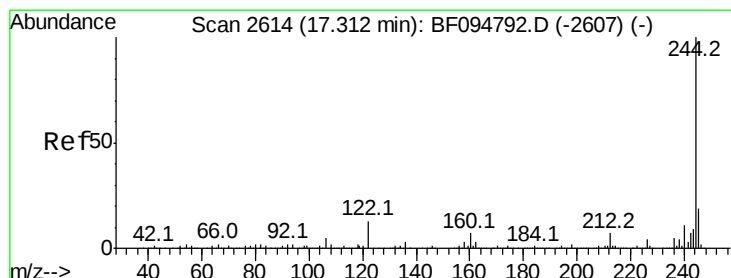
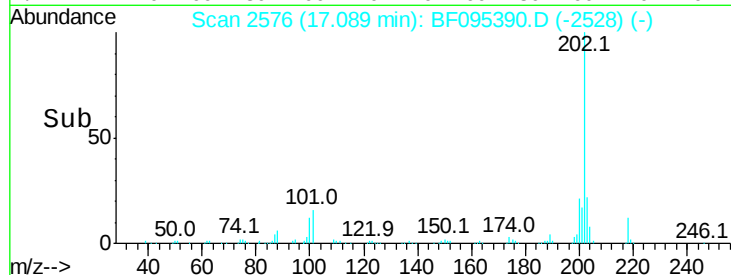
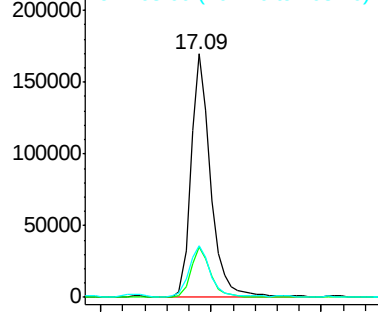
Tot Ion:	202	Resp:	210926
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.6	26.4
203	21.4	14.4	21.6

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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: 54.21 ng

RT: 17.32 min Scan# 2616

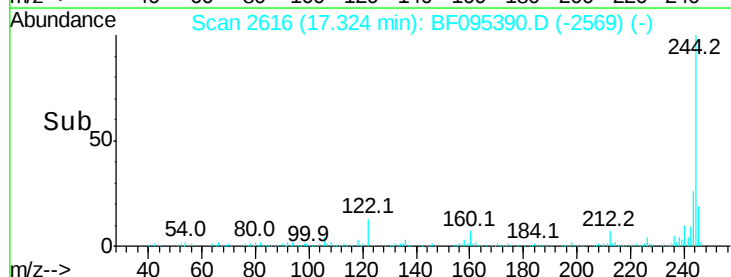
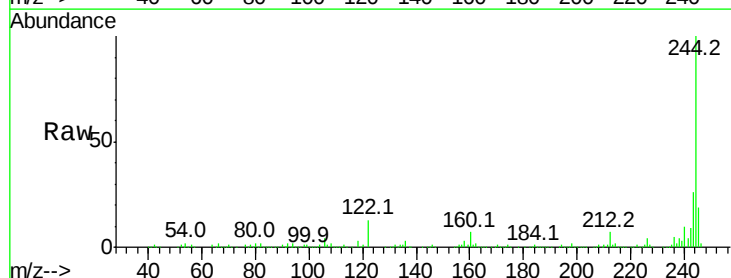
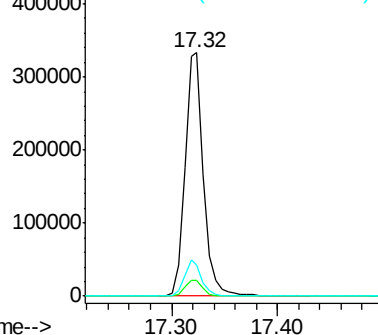
Delta R.T. -0.02 min

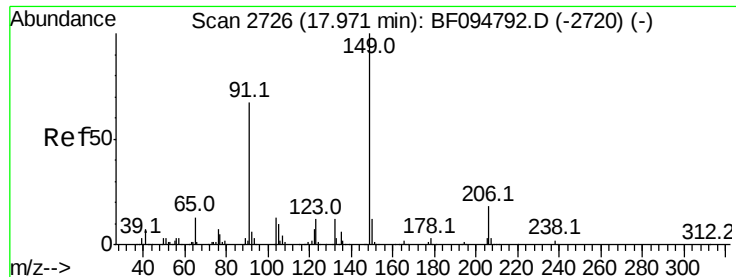
Lab File: BF095390.D

Acq: 24 May 2017 15:47

Tgt Ion:	244	Resp:	408588
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	12.8	10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





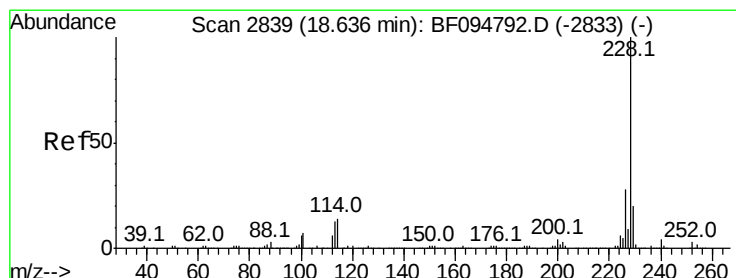
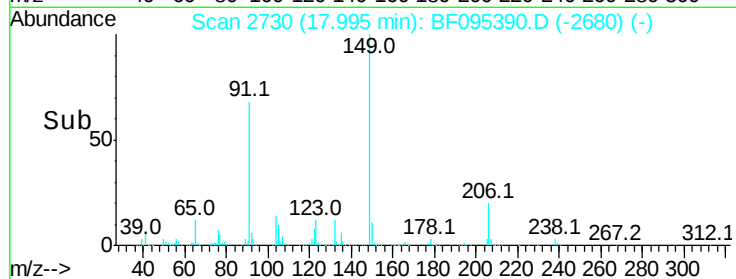
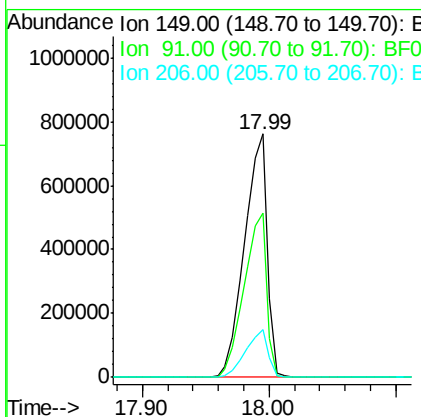
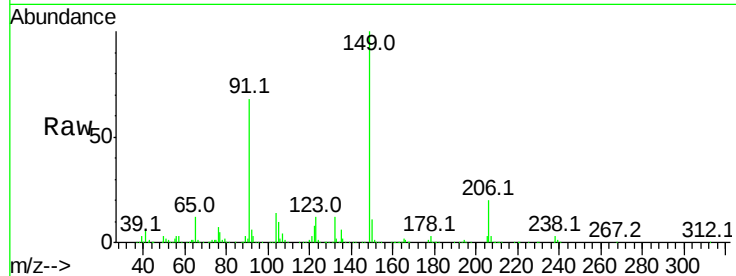
#79
Butylbenzylphthalate
Concen: 164.69 ng
RT: 17.99 min Scan# 2730
Delta R.T. -0.01 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampled :
R1-TP-3-D34

Tot Ion	Ratio	Resp	Lower	Upper
149	100	951098		
91	67.7	45.0	67.4#	
206	19.7	17.0	25.6	

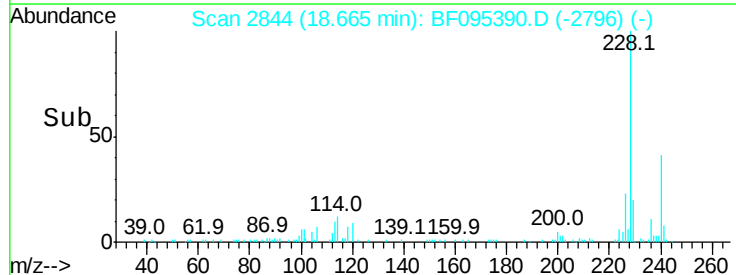
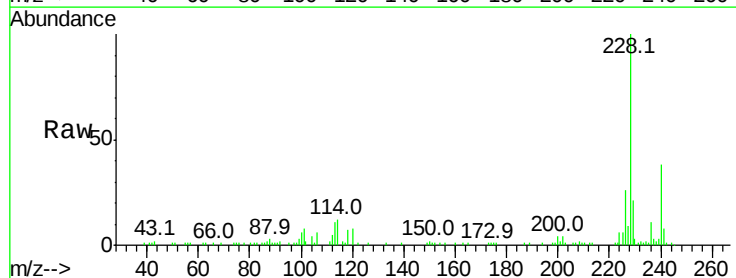
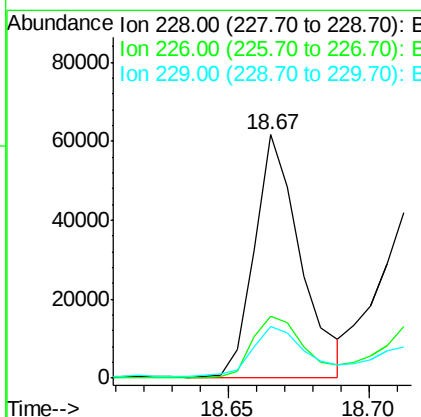
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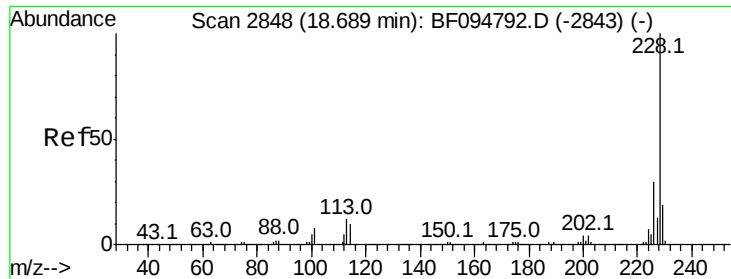
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#80
Benzo(a)anthracene
Concen: 7.25 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	70072		
226	25.6	22.6	33.8	
229	21.0	16.3	24.5	





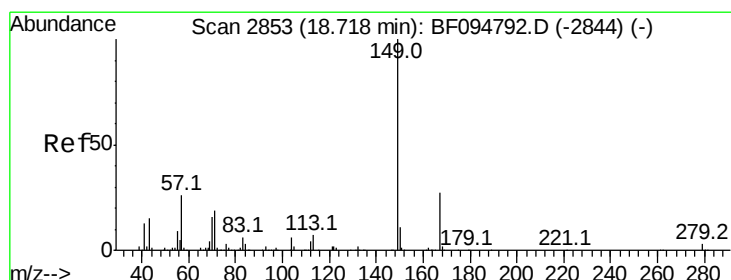
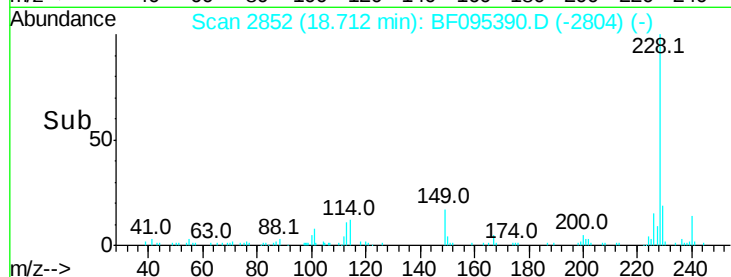
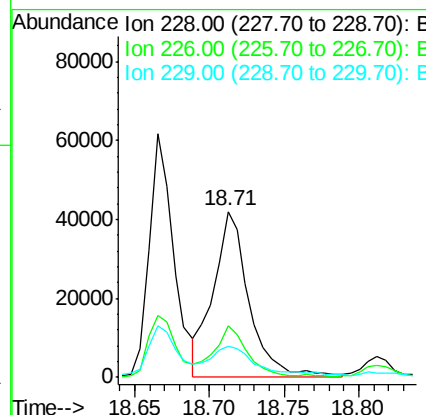
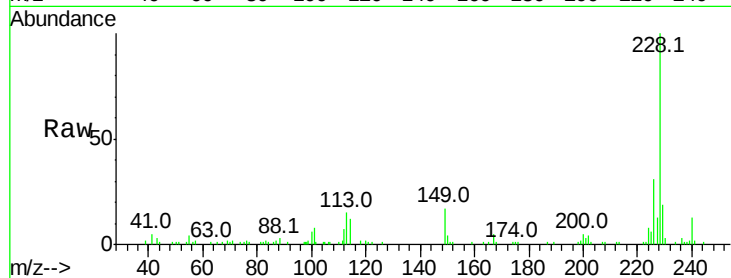
#82
Chrysene
Concen: 7.47 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampleId :
R1-TP-3-D34

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	18.8	15.8	23.6

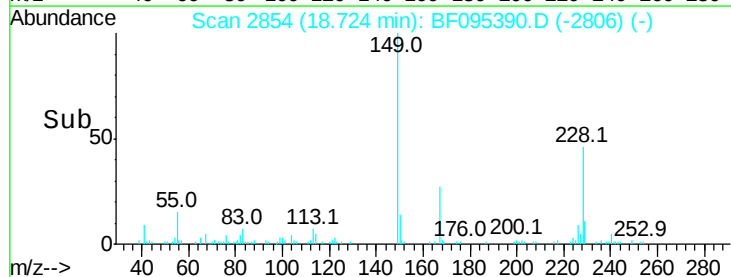
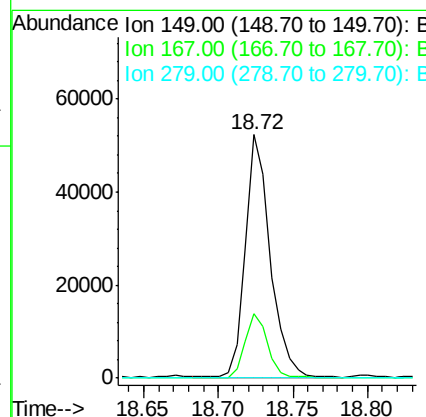
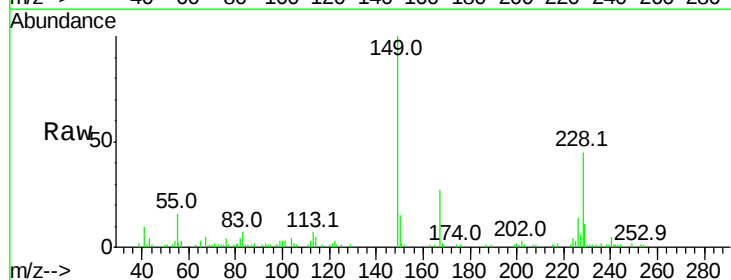
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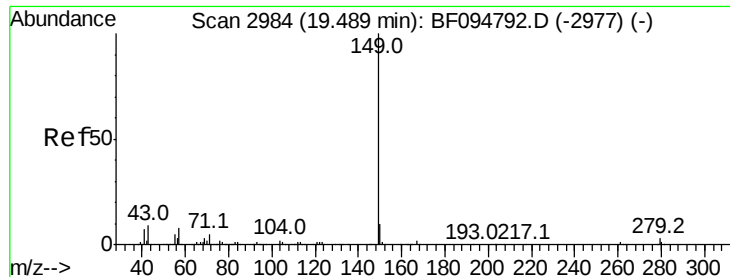
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#83
Bis(2-ethylhexyl)phthalate
Concen: 7.42 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.0	31.4
279	0.0	1.9	2.9#





#84

Di-n-octyl phthalate

Concen: 3.62 ng

RT: 19.49 min Scan# 2984

Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

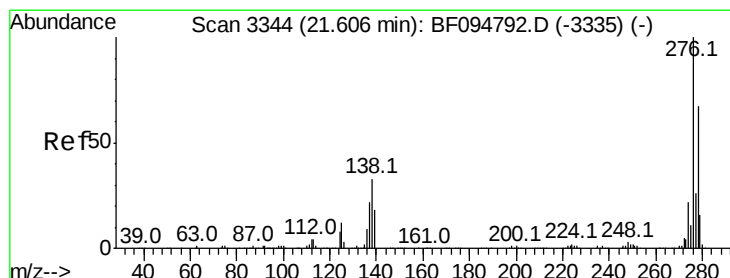
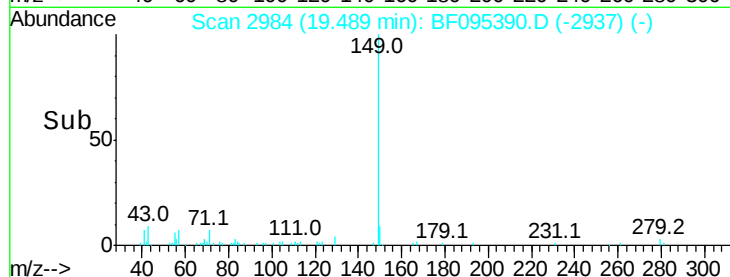
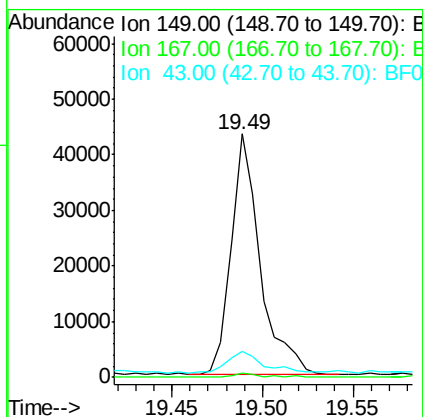
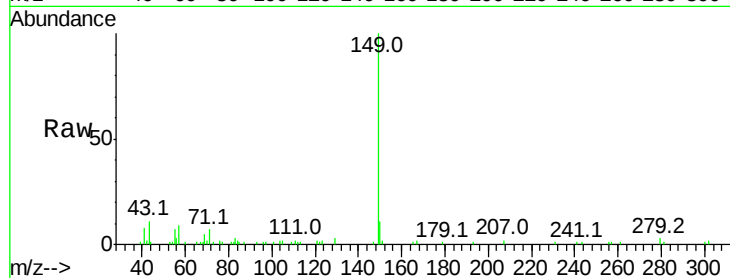
ClientSampleId :

R1-TP-3-D34

Tot Ion:	149	Resp:	48770
Ion Ratio	Lower	Upper	
149	100		
167	1.9	1.2	1.8#
43	11.0	8.5	12.7

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.29 ng

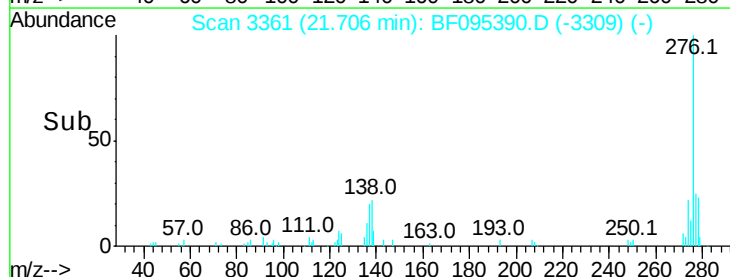
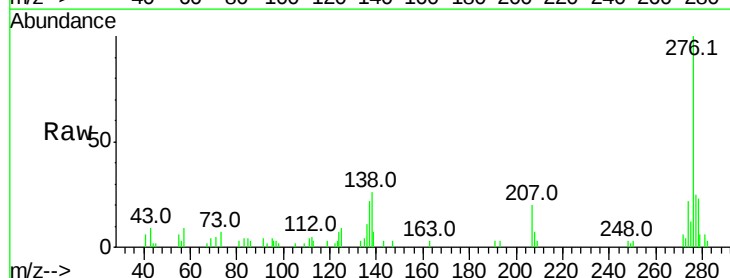
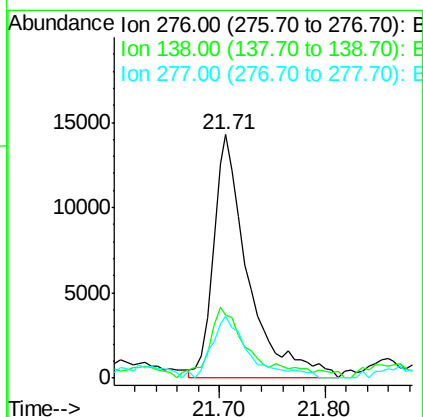
RT: 21.71 min Scan# 3361

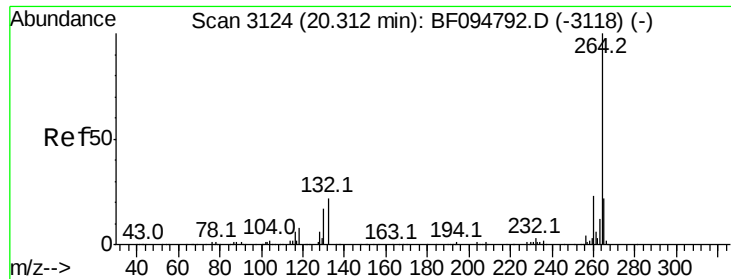
Delta R.T. 0.01 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Tgt Ion:	276	Resp:	32531
Ion Ratio	Lower	Upper	
276	100		
138	34.9	27.8	41.6
277	27.3	20.2	30.4





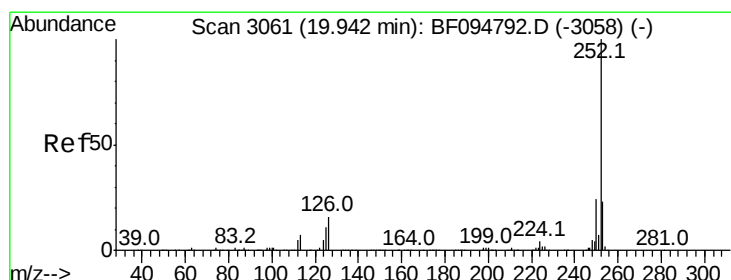
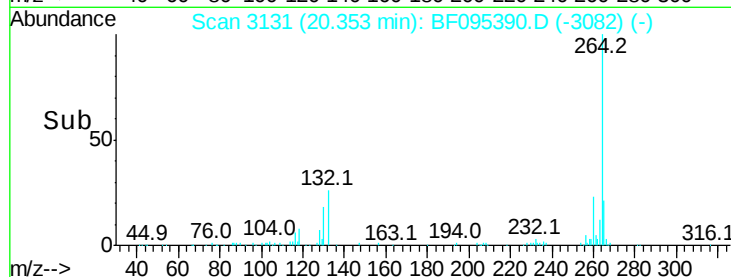
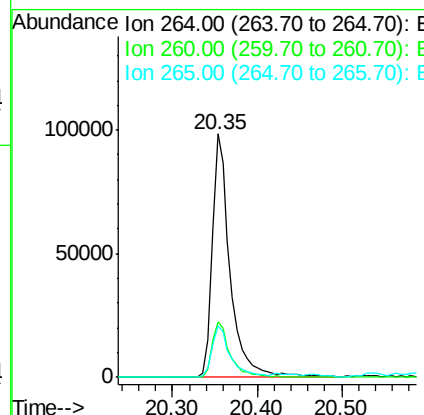
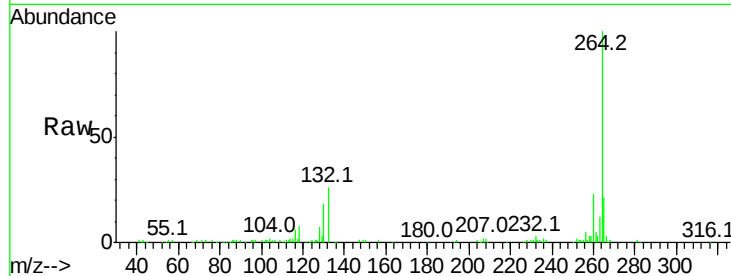
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampled :
R1-TP-3-D34

Tot Ion:	264	Resp:	146416
Ion Ratio	Lower	Upper	
264	100		
260	22.5	19.5	29.3
265	21.2	17.2	25.8

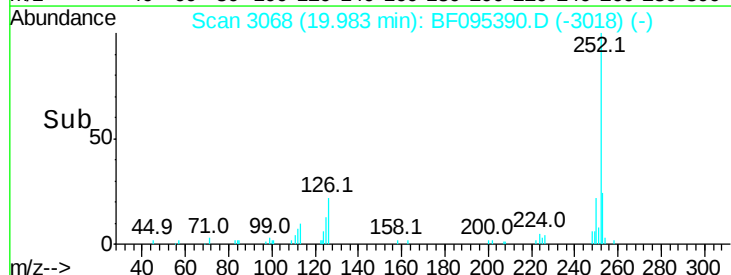
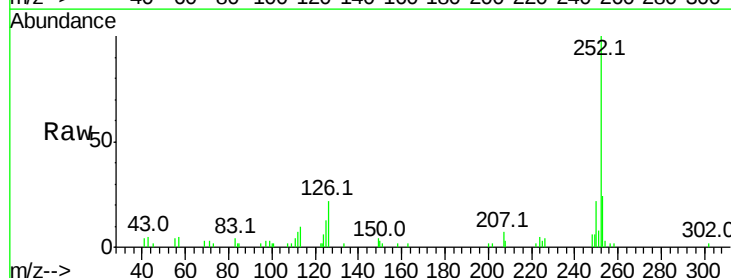
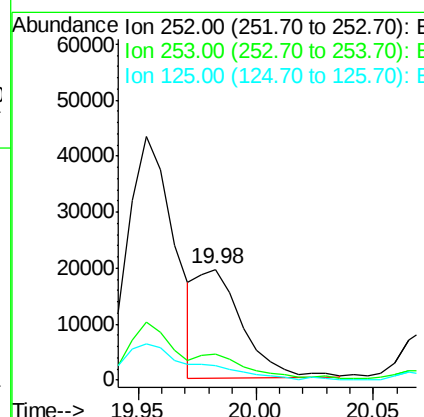
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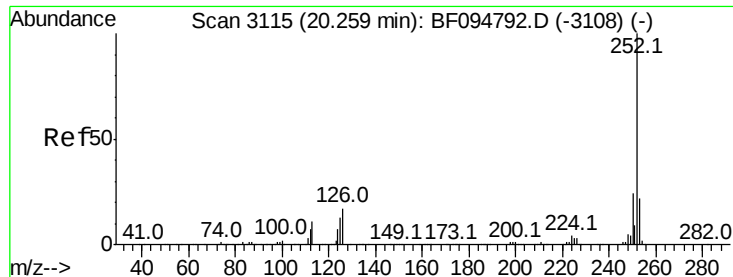
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#88
Benzo(k)fluoranthene
Concen: 2.99 ng m
RT: 19.98 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion:	252	Resp:	26067
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.4	27.6
125	12.7	13.1	19.7#





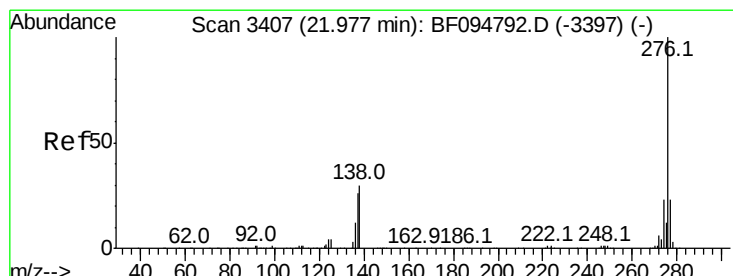
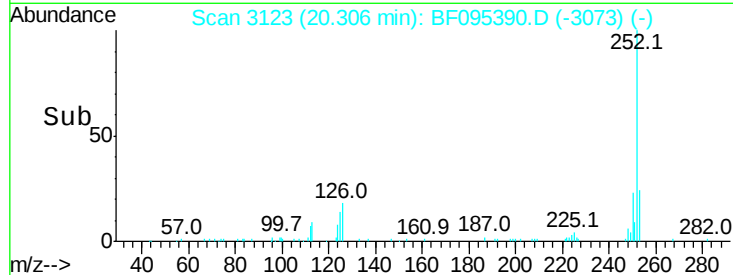
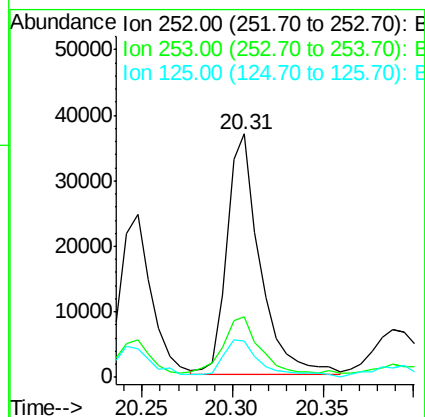
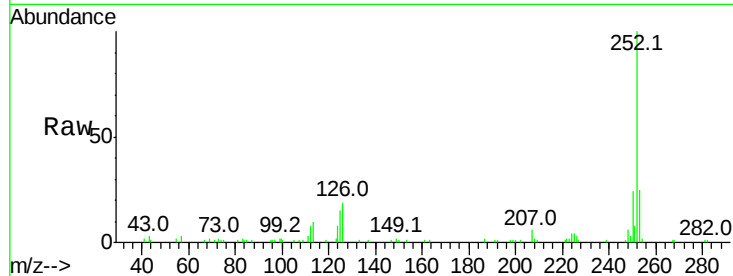
#89
Benzo(a)pyrene
Concen: 5.58 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampleId :
R1-TP-3-D34

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	14.9	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 4.57 ng
RT: 22.09 min Scan# 3427
Delta R.T. 0.01 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.6	28.0
138	42.3	25.4	38.0

