

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095389.D
 Acq On : 24 May 2017 15:15
 Operator : SJ/MA
 Sample : I3290-06 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

mohammad
 5/25/2017 8:51:56 AM

Quant Time: May 25 02:54:25 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	88039	20.00	ng	-0.01
21) Naphthalene-d8	9.78	136	378585	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	171413	20.00	ng	-0.01
63) Phenanthrene-d10	15.01	188	299715	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	185755	20.00	ng	-0.02
86) Perylene-d12	20.35	264	164040	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	257782	48.82	ng	0.00
7) Phenol-d6	7.31	99	325725	51.41	ng	0.00
23) Nitrobenzene-d5	8.67	82	190145	31.67	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	75058	53.47	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	449347	37.73	ng	-0.02
78) Terphenyl-d14	17.32	244	312286	37.03	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	68746	4.89	ng	97
70) Phenanthrene	15.05	178	52893	3.07	ng	98
74) Fluoranthene	16.78	202	585976	33.17	ng	98
77) Pyrene	17.09	202	584366	42.06	ng	97
80) Benzo(a)anthracene	18.67	228	217958	20.16	ng	98
82) Chrysene	18.71	228	256647m	24.55	ng	
85) Indeno(1,2,3-cd)pyrene	21.69	276	166674	19.63	ng	# 91
87) Benzo(b)fluoranthene	19.95	252	261345m	25.78	ng	
88) Benzo(k)fluoranthene	19.98	252	109091m	11.16	ng	
89) Benzo(a)pyrene	20.30	252	205913	22.02	ng	99
90) Dibenzo(a,h)anthracene	21.69	278	39731m	5.14	ng	
91) Benzo(a,h,i)perylene	22.07	276	173110	22.84	ng	98

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

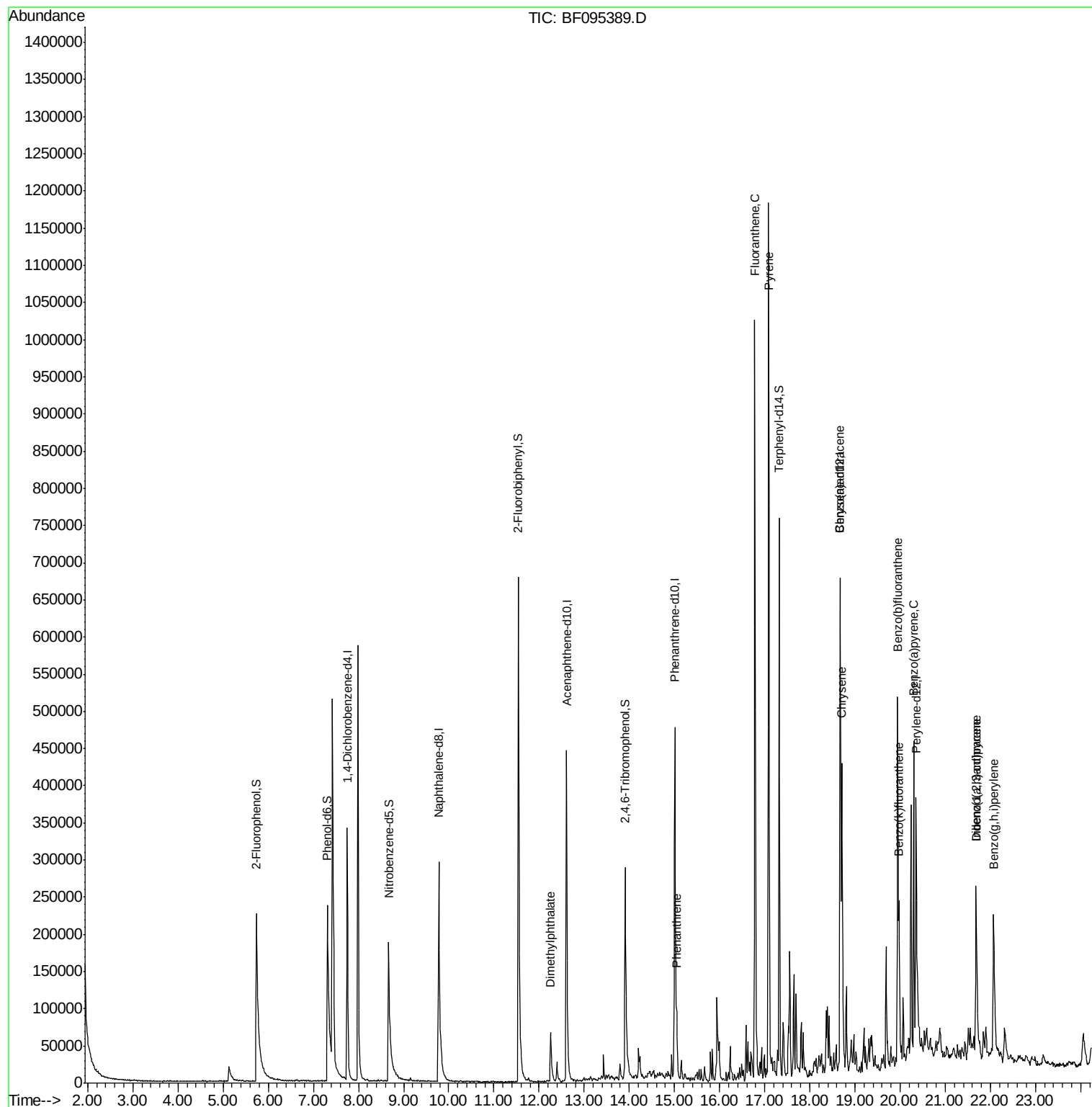
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
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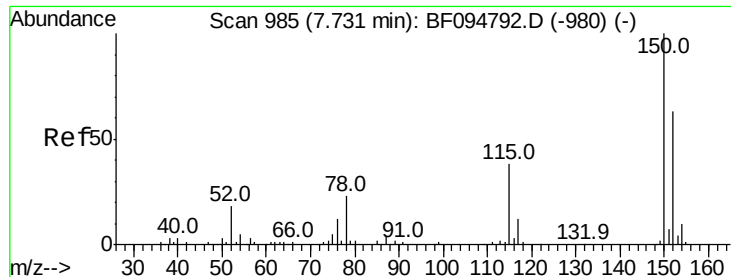
Instrument :
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TP-2

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
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#1

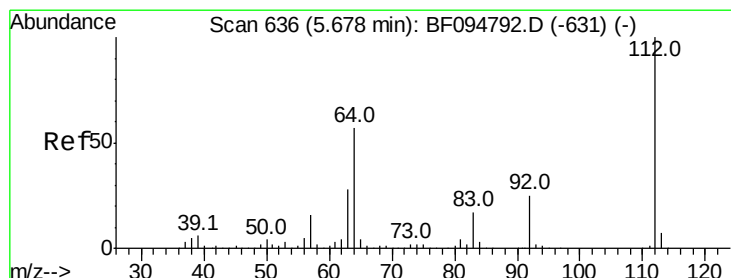
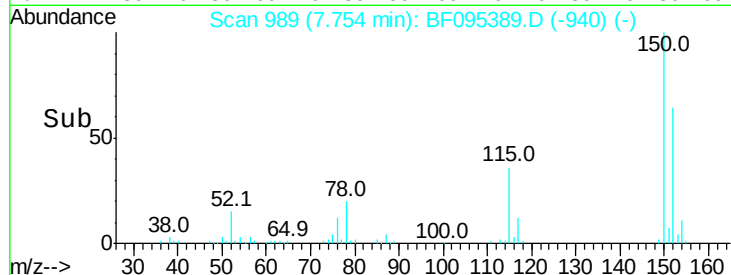
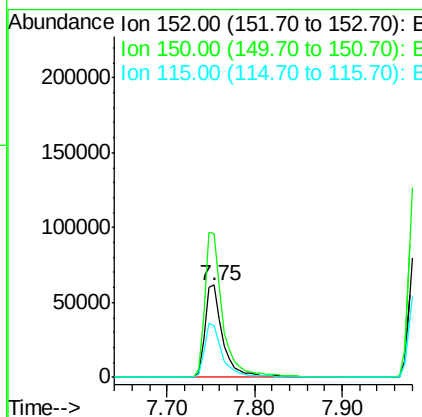
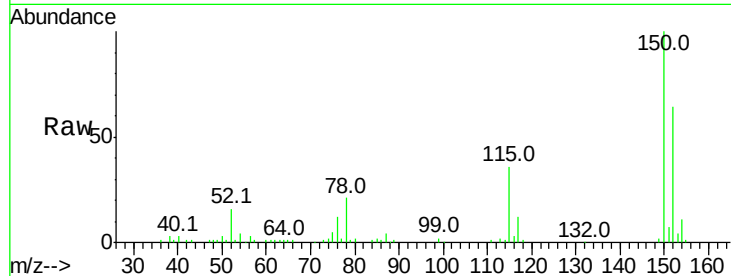
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	56.6	52.2	78.2

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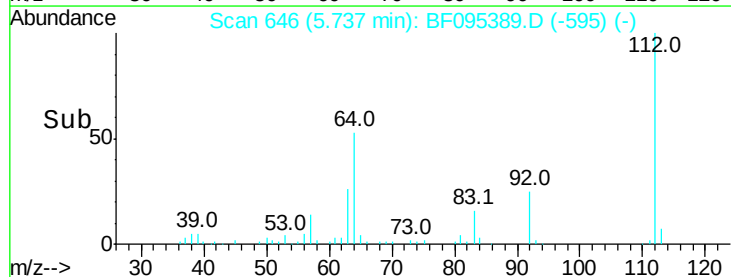
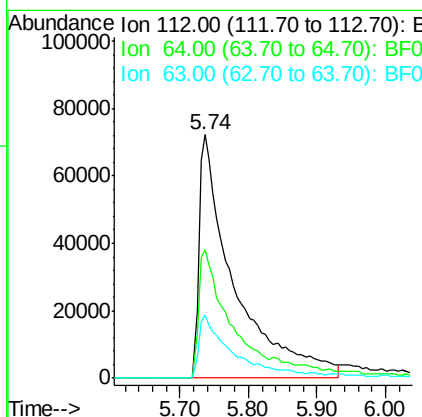
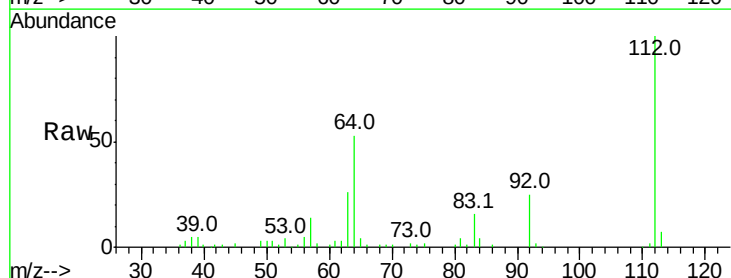
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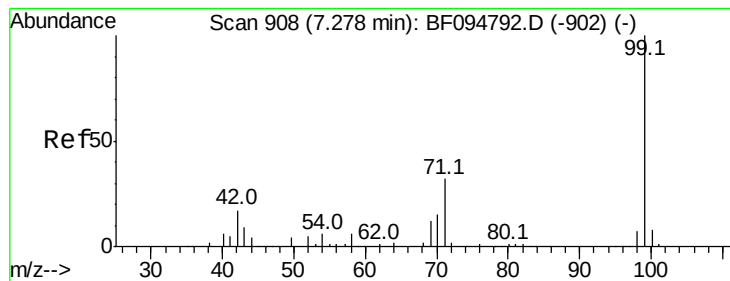


#5

2-Fluorophenol
Concen: 48.82 ng
RT: 5.74 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.7	46.0	69.0
63	25.8	23.4	35.0





#7

Phenol-d6

Concen: 51.41 ng

RT: 7.31 min Scan# 913

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

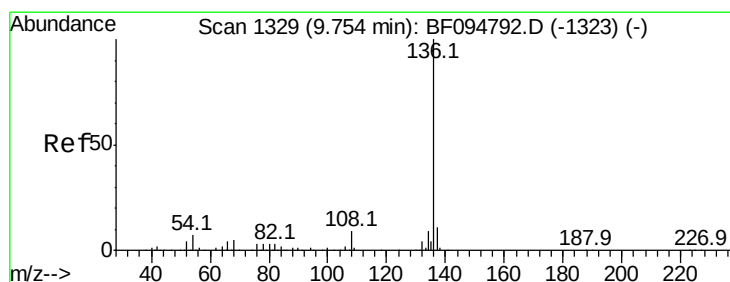
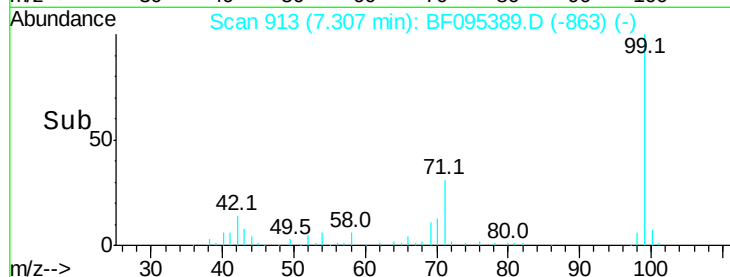
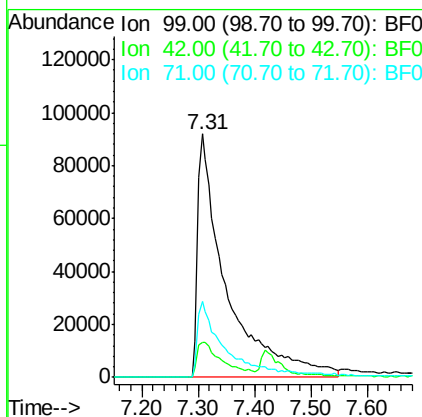
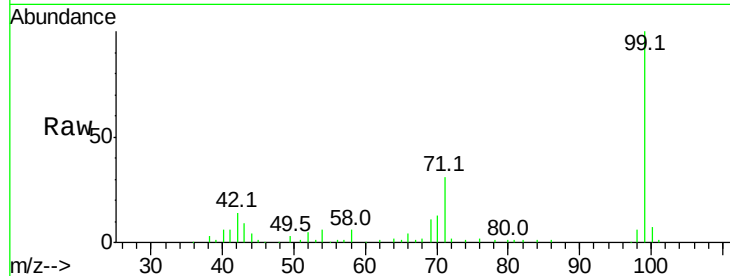
ClientSampleId :

TP-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		325725		
42	14.4	13.5	20.3		
71	31.3	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

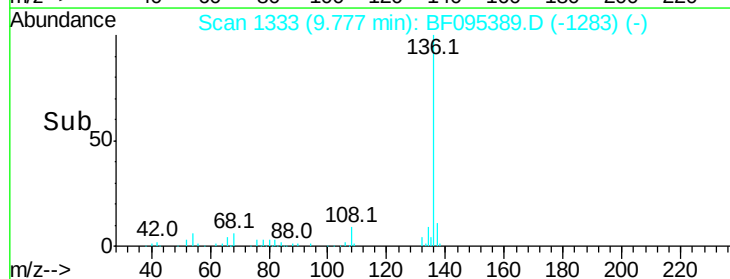
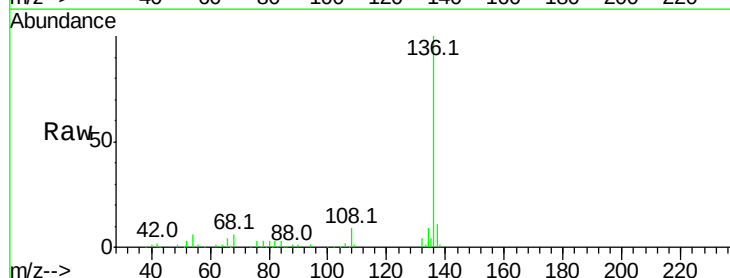
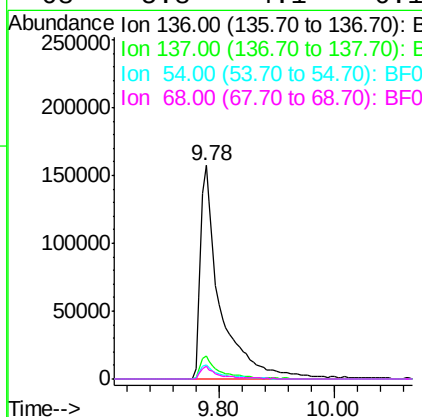
RT: 9.78 min Scan# 1333

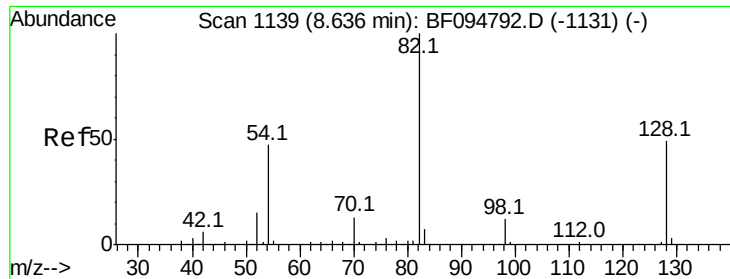
Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		378585		
137	11.0	8.5	12.7		
54	6.4	4.9	7.3		
68	5.8	4.1	6.1		





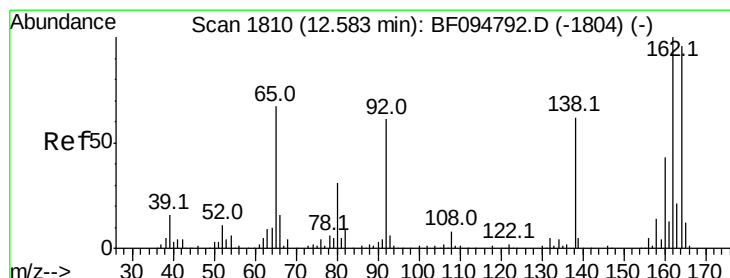
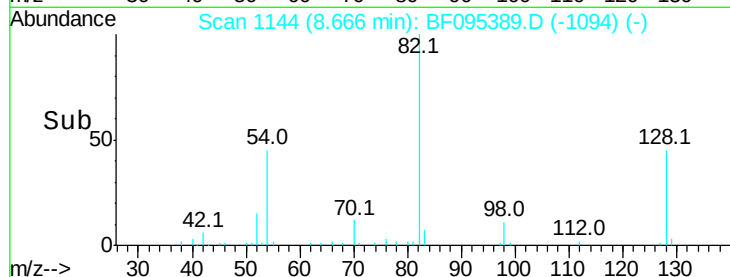
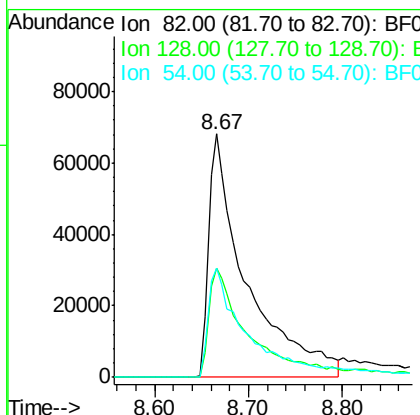
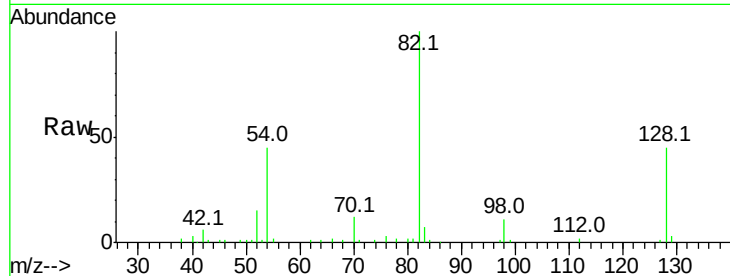
#23
 Nitrobenzene-d5
 Concen: 31.67 ng
 RT: 8.67 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF095389.D
 Acq: 24 May 2017 15:15

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tot Ion	82	Resp	190145
Ion Ratio	100	Lower	Upper
128	44.9	34.0	51.0
54	44.7	42.2	63.2

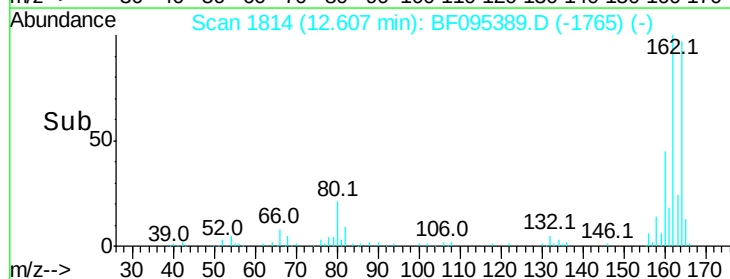
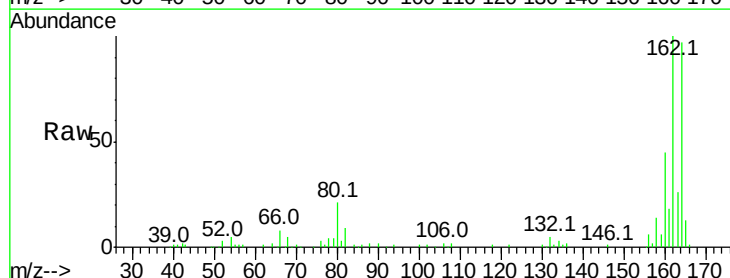
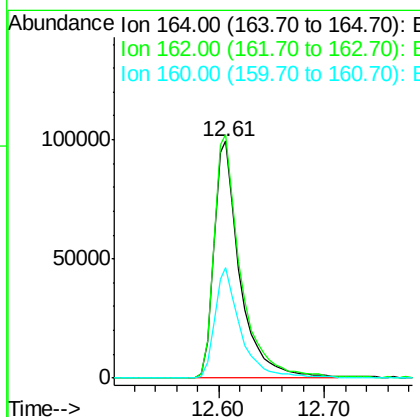
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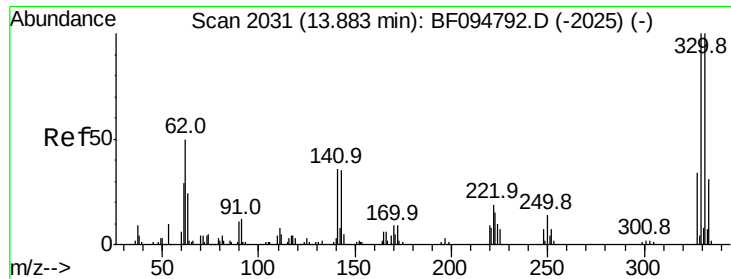
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.61 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF095389.D
 Acq: 24 May 2017 15:15

Tgt Ion	164	Resp	171413
Ion Ratio	100	Lower	Upper
162	102.9	82.6	123.8
160	46.5	36.2	54.2





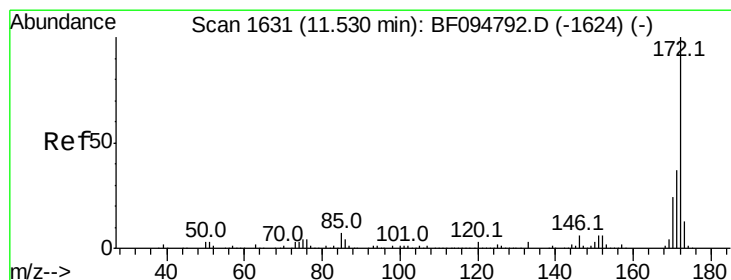
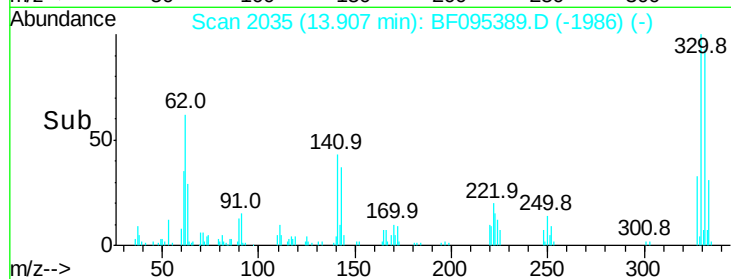
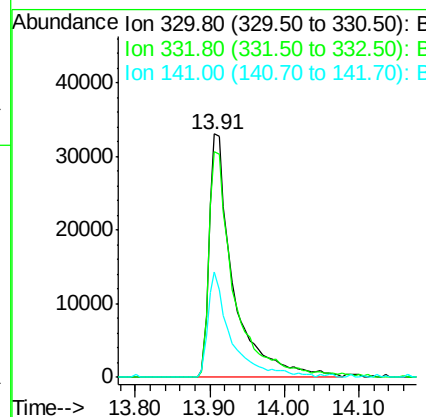
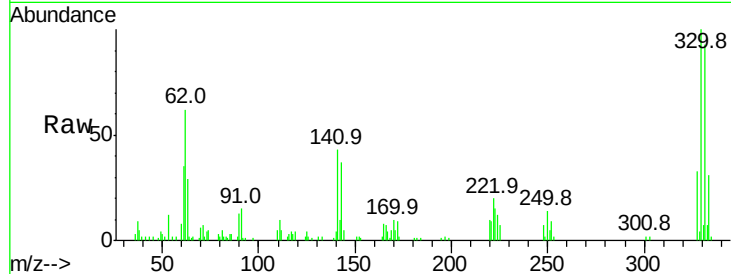
#41
 2,4,6-Tribromophenol
 Concen: 53.47 ng
 RT: 13.91 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF095389.D
 Acq: 24 May 2017 15:15

Instrument :
 BNA_F
 ClientSampled :
 TP-2

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	40.5	31.4	47.2

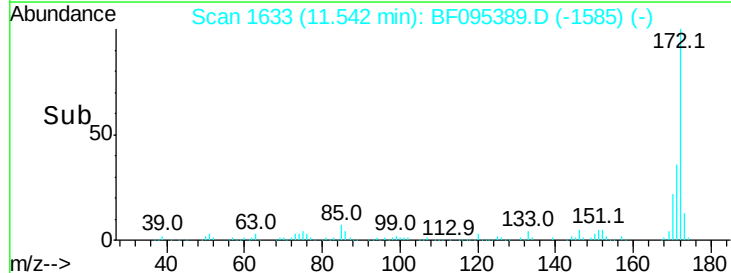
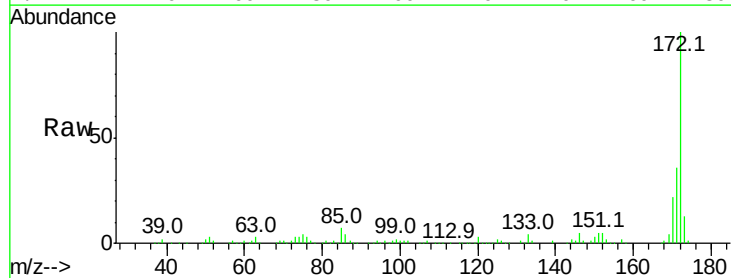
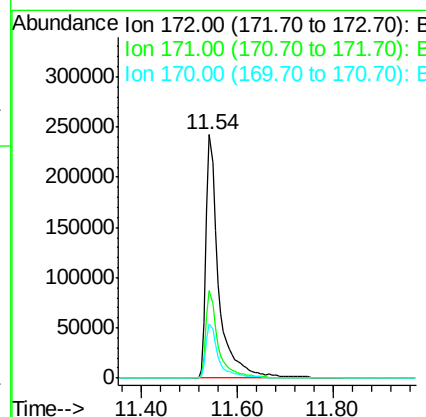
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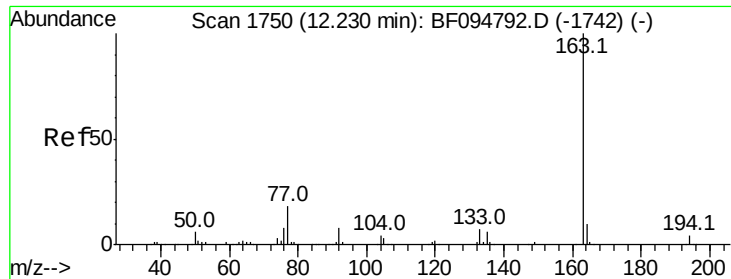
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#44
 2-Fluorobiphenyl
 Concen: 37.73 ng
 RT: 11.54 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095389.D
 Acq: 24 May 2017 15:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	22.1	19.8	29.8





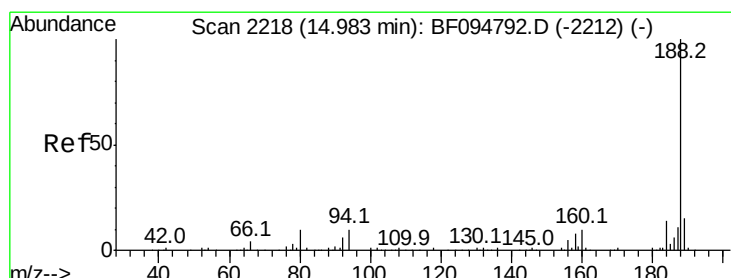
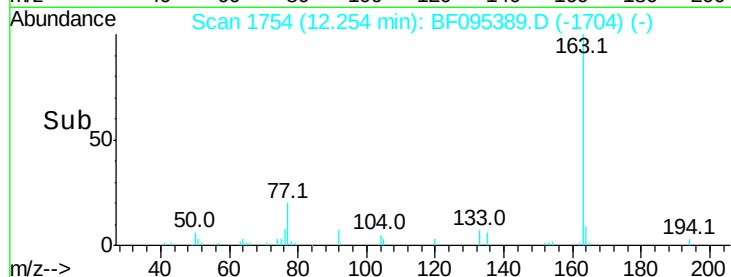
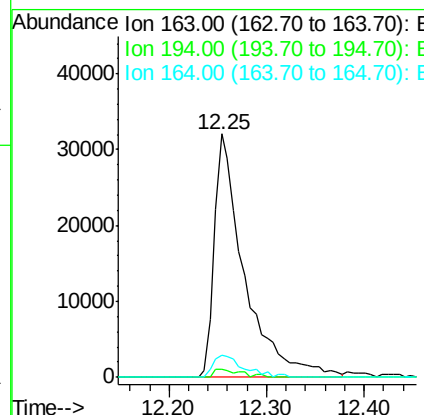
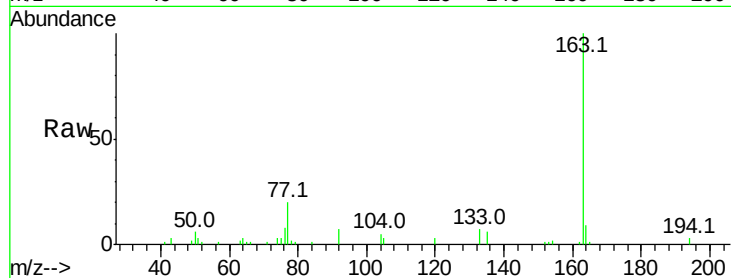
#49
Dimethylphthalate
Concen: 4.89 ng
RT: 12.25 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.0	8.4	12.6

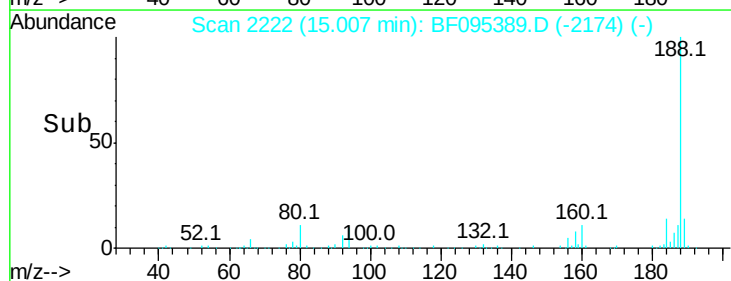
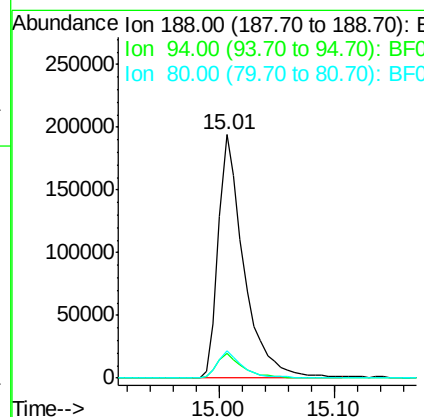
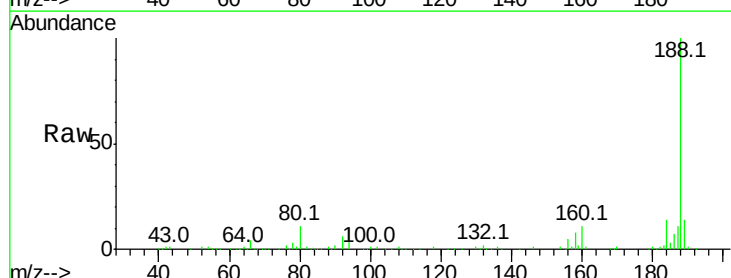
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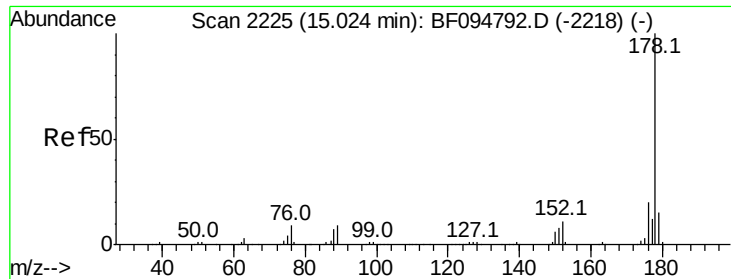
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	11.2	10.2	15.2





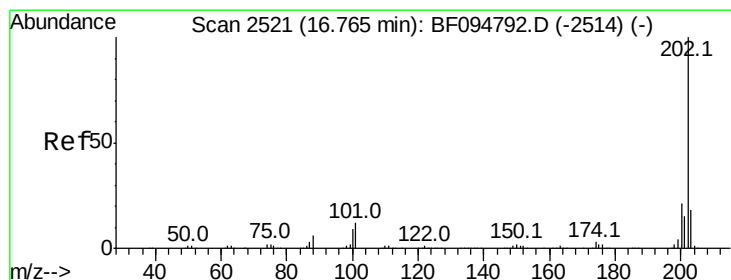
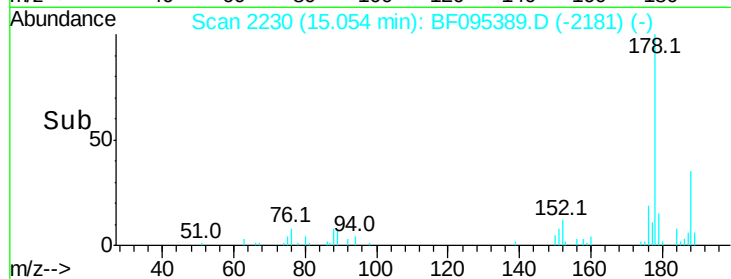
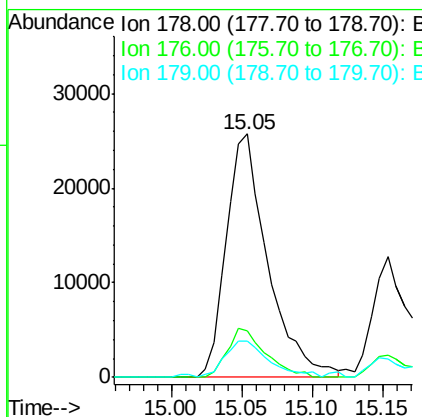
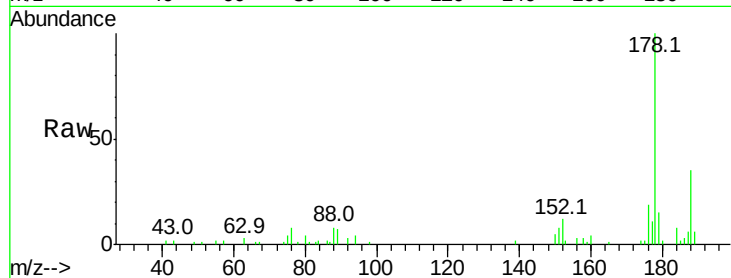
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Phenanthrene
Concen: 3.07 ng
RT: 15.05 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Instrument :
BNA_F
ClientSampleId :
TP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	14.7	12.6	19.0

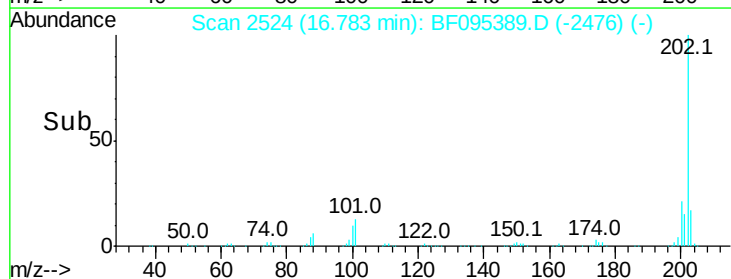
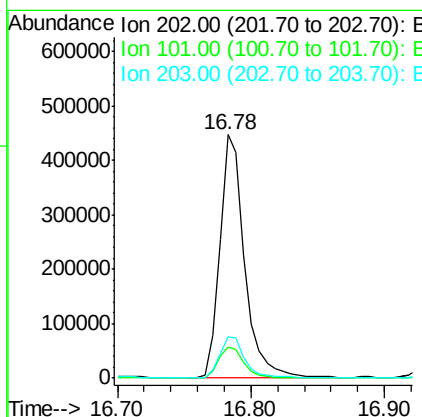
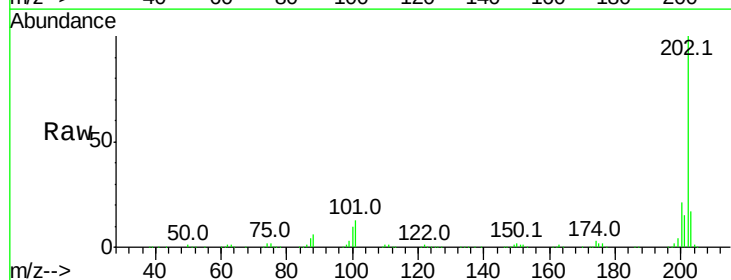
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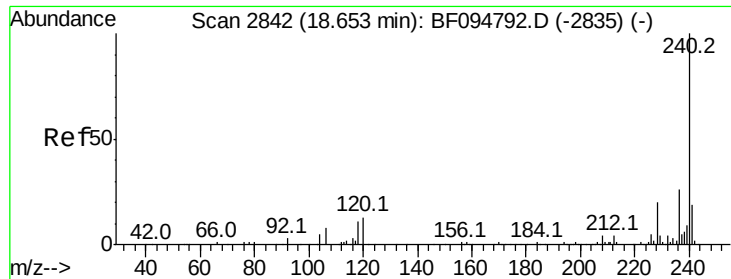
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#74
Fluoranthene
Concen: 33.17 ng
RT: 16.78 min Scan# 2524
Delta R.T. -0.02 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	17.0	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: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

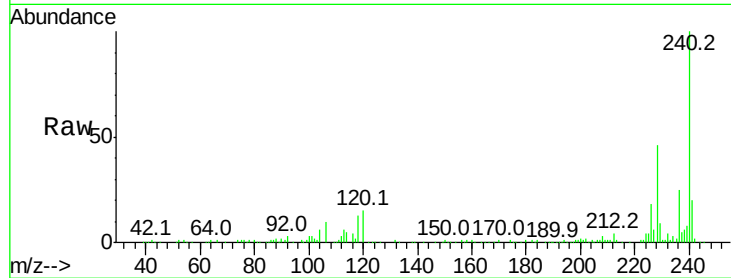
ClientSampled :

TP-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	185755		
120	15.4		5.8	8.8#
236	24.9		20.5	30.7

Manual Integrations
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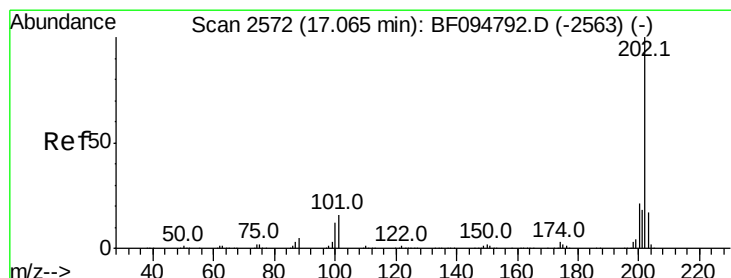
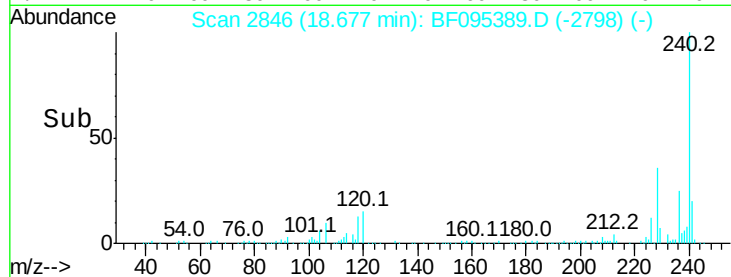
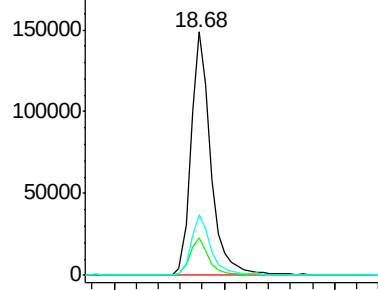
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 42.06 ng

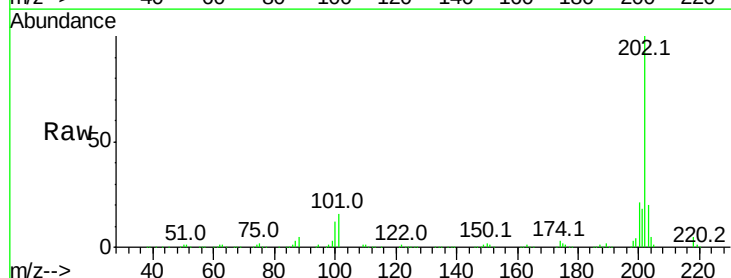
RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

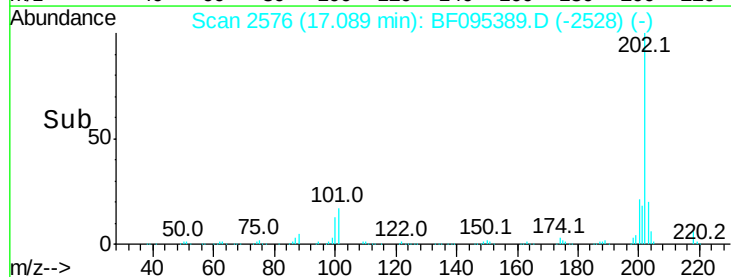
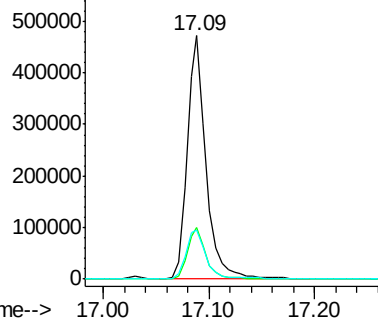
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	584366		
200	21.0		17.6	26.4
203	20.0		14.4	21.6

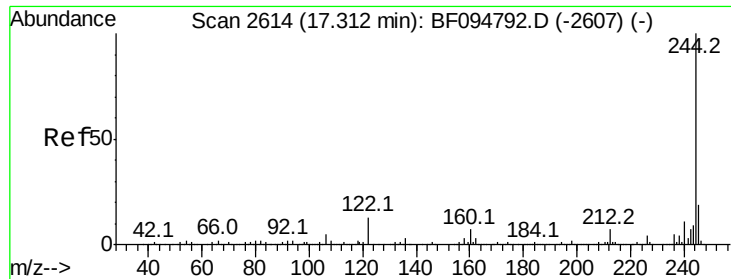


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





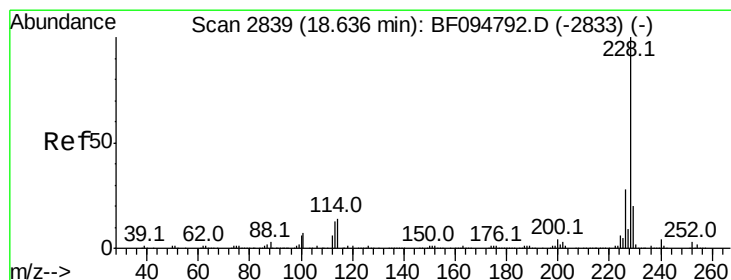
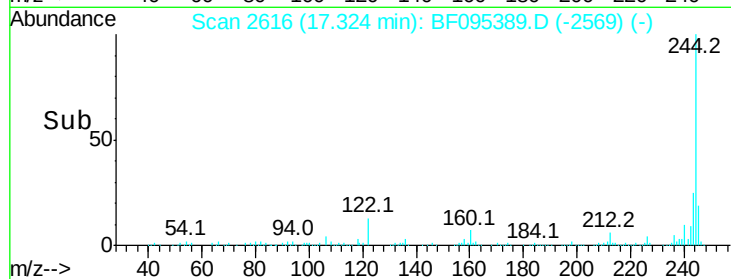
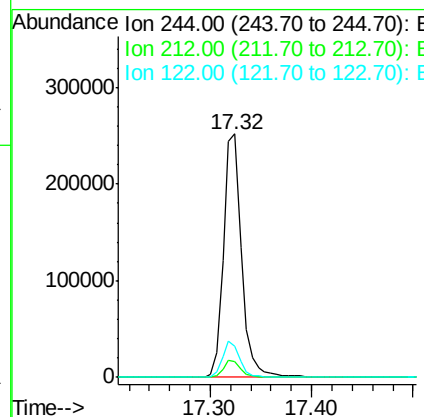
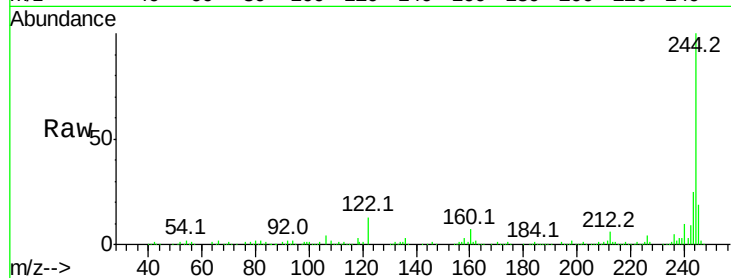
#78
 Terphenyl-d14
 Concen: 37.03 ng
 RT: 17.32 min Scan# 2616
 Delta R.T. -0.02 min
 Lab File: BF095389.D
 Acq: 24 May 2017 15:15

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	12.6	10.3	15.5

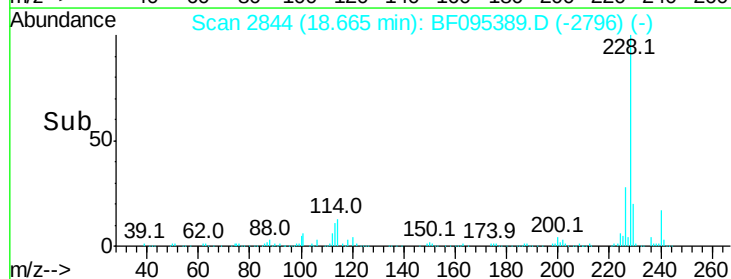
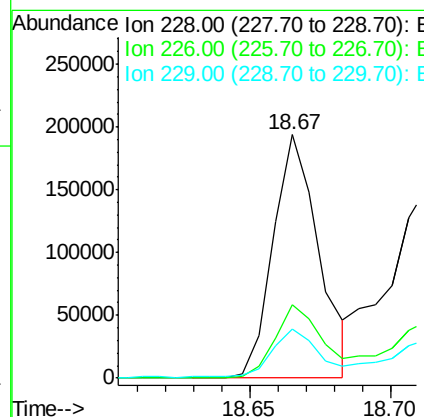
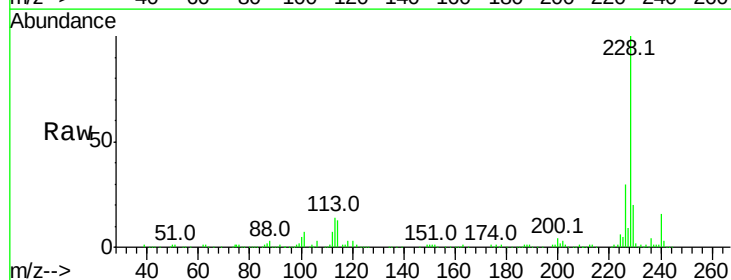
Manual Integrations
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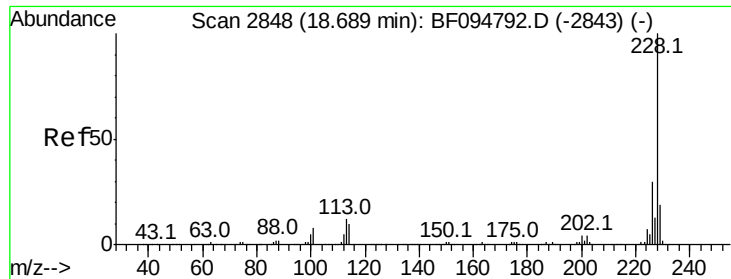
mohammad
 5/25/2017 8:51:56 AM



#80
 Benzo(a)anthracene
 Concen: 20.16 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.02 min
 Lab File: BF095389.D
 Acq: 24 May 2017 15:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.1	16.3	24.5





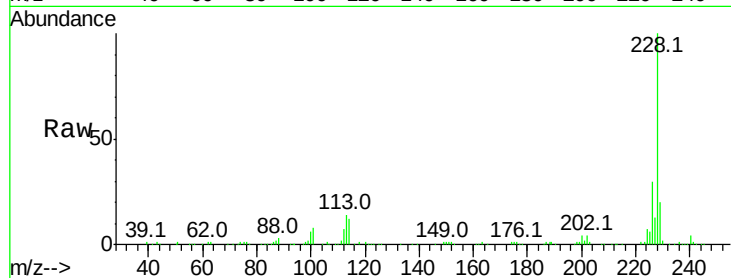
#82
Chrysene
Concen: 24.55 ng/ml
RT: 18.71 min Scan# 2852
Delta R.T. -0.02 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Instrument :
BNA_F
ClientSampled :
TP-2

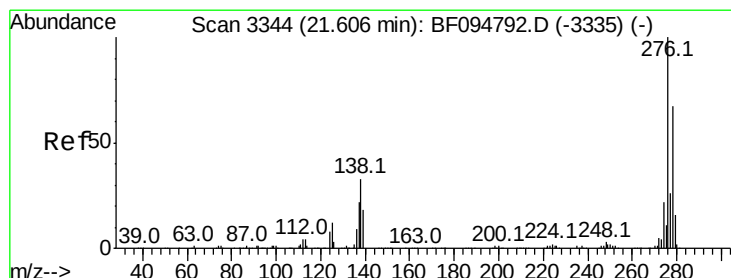
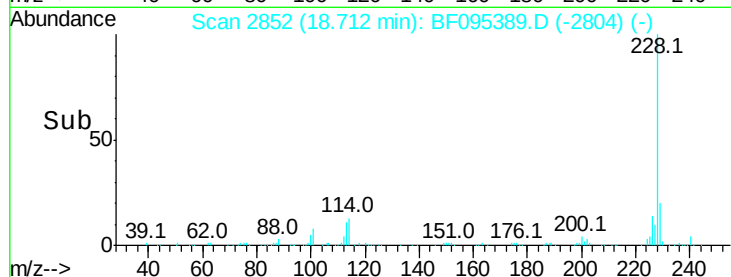
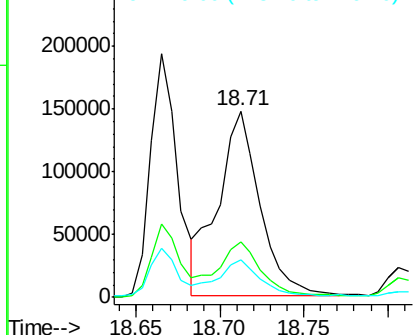
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.9	37.3
229	20.5	15.8	23.6

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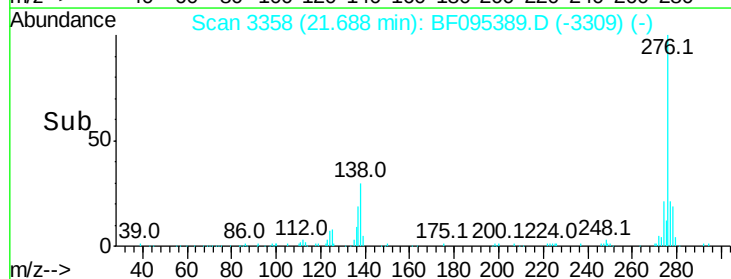
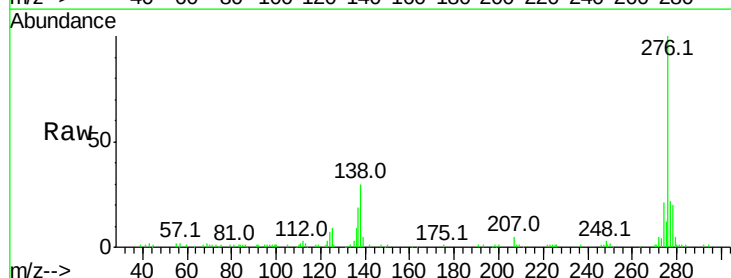
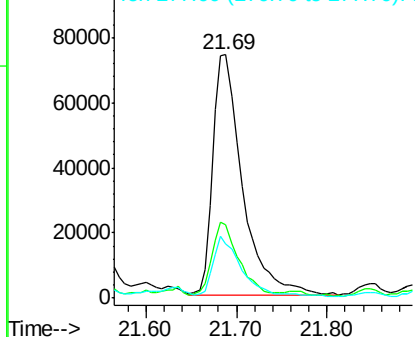
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

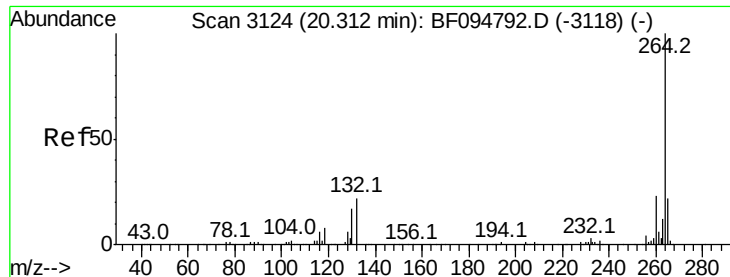


#85
Indeno(1,2,3-cd)pyrene
Concen: 19.63 ng/ml
RT: 21.69 min Scan# 3358
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.4	27.8	41.6#
277	23.3	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





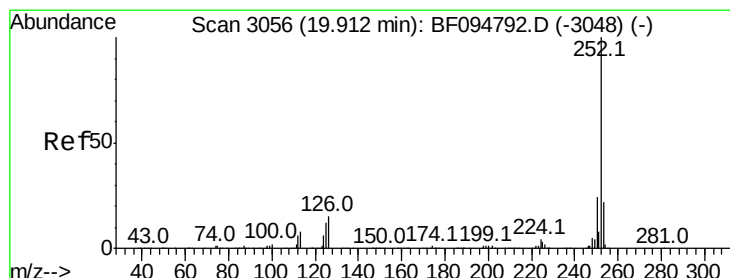
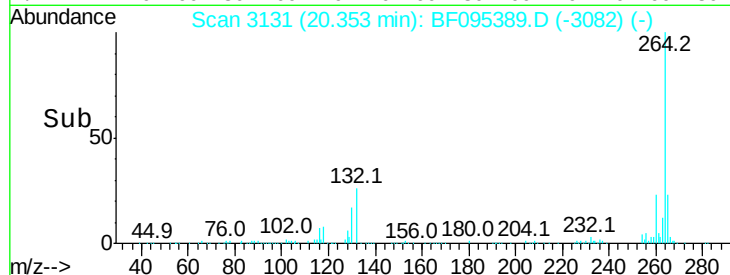
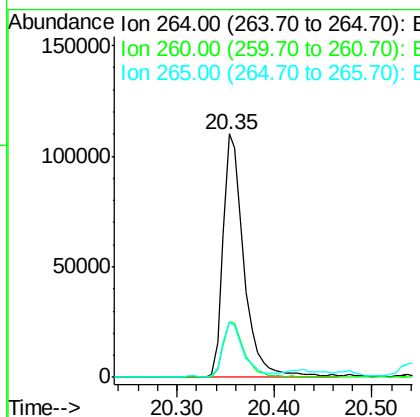
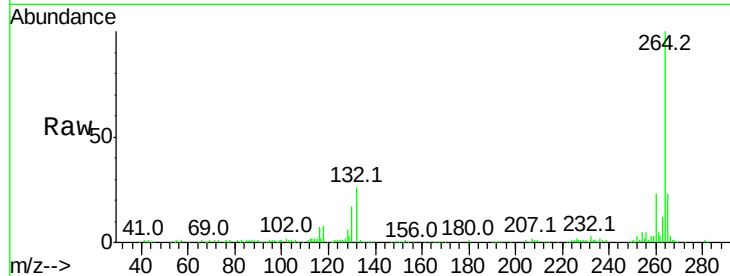
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Instrument :
BNA_F
ClientSampled :
TP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.5	29.3
265	22.9	17.2	25.8

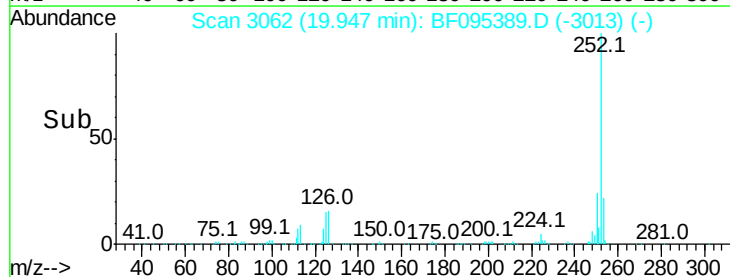
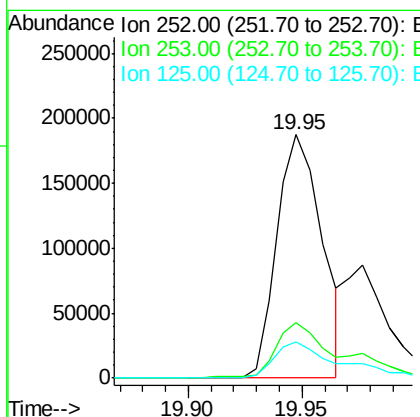
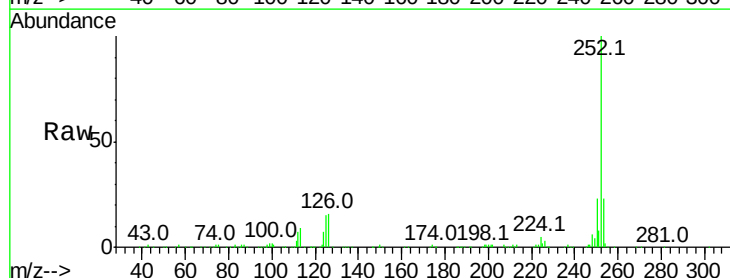
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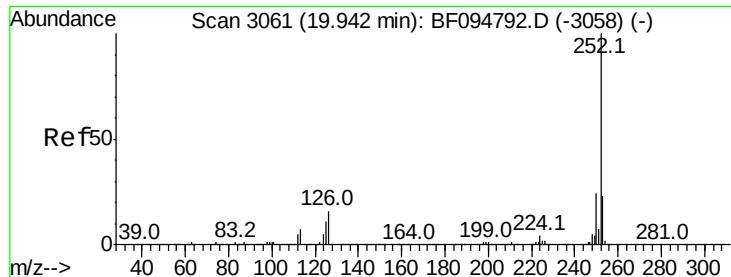
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#87
Benzo(b)fluoranthene
Concen: 25.78 ng m
RT: 19.95 min Scan# 3062
Delta R.T. -0.01 min
Lab File: BF095389.D
Acq: 24 May 2017 15:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	14.7	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 11.16 ng

RT: 19.98 min Scan# 3067

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

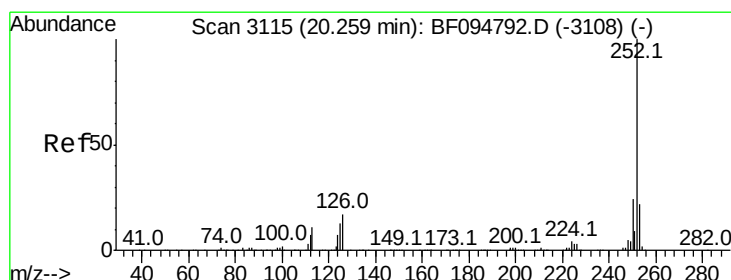
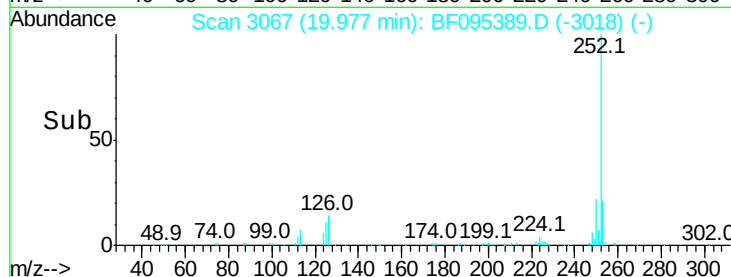
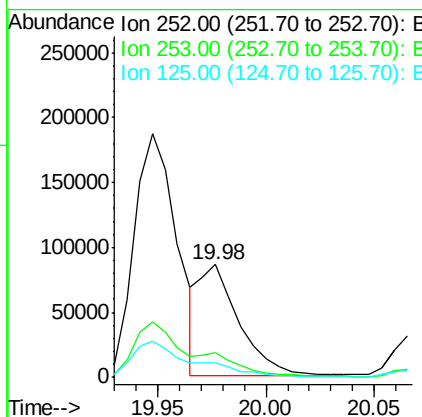
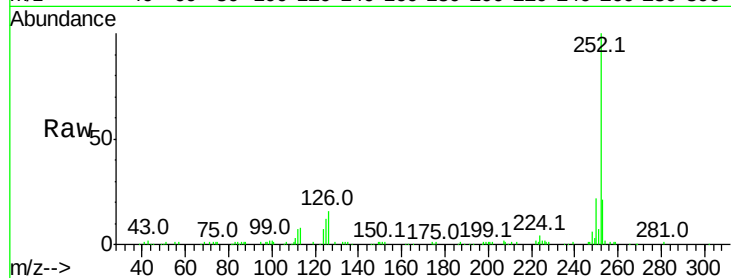
ClientSampled :

TP-2

Tot Ion:	252	Resp:	109091
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.4	27.6
125	12.5	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 22.02 ng

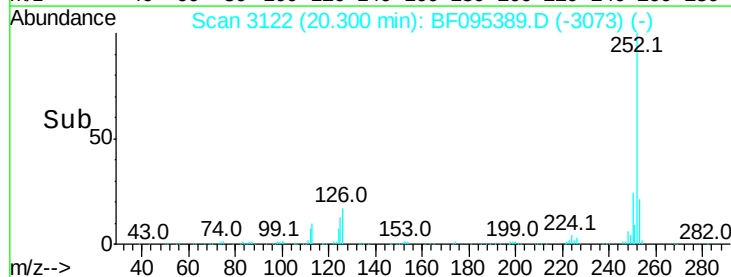
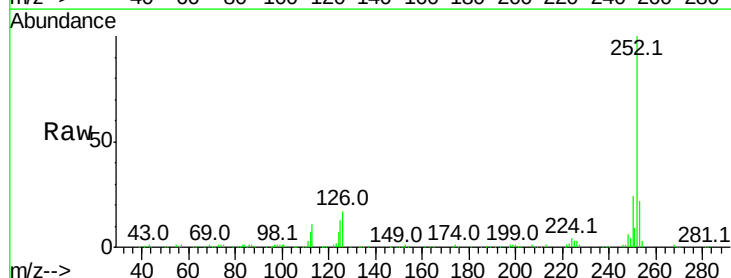
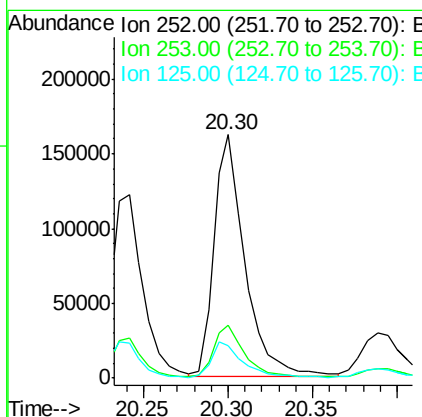
RT: 20.30 min Scan# 3122

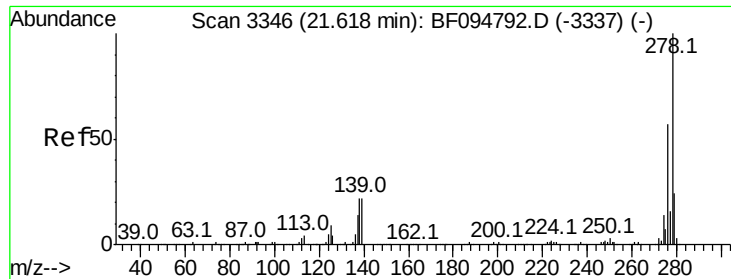
Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Tgt Ion:	252	Resp:	205913
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.5	26.3
125	13.2	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 5.14 ng/mL

RT: 21.69 min Scan# 3358

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Instrument :

BNA_F

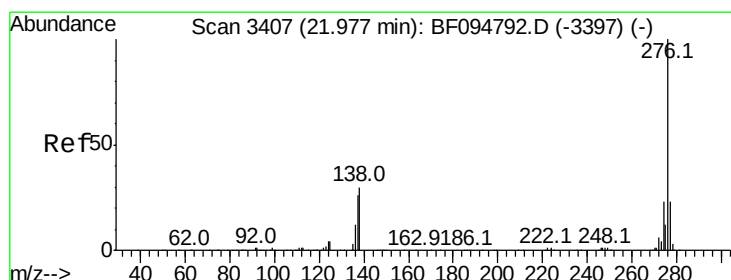
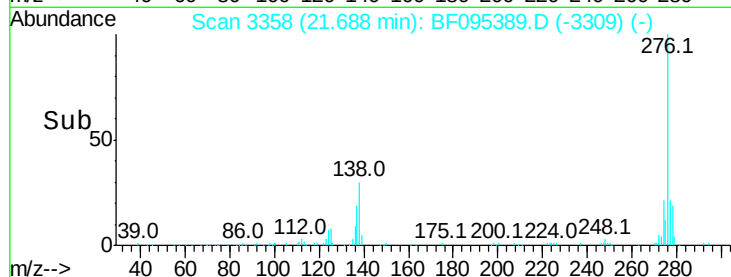
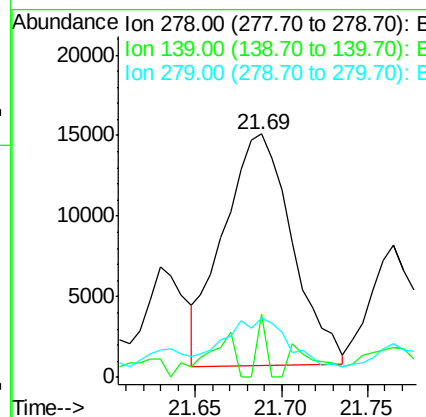
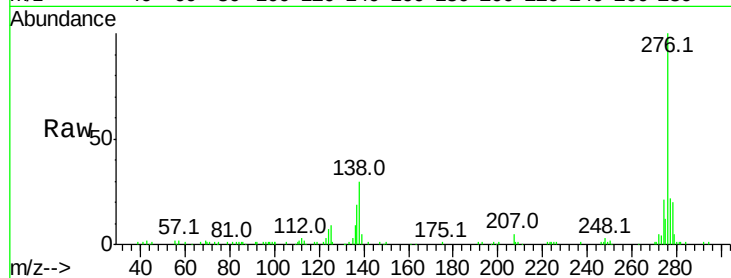
ClientSampled :

TP-2

Tot Ion:	278	Resp:	39731
Ion Ratio	Lower	Upper	
278	100		
139	26.2	16.6	24.8#
279	24.3	19.3	28.9

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#91

Benzo(g,h,i)perylene

Concen: 22.84 ng/mL

RT: 22.07 min Scan# 3423

Delta R.T. -0.01 min

Lab File: BF095389.D

Acq: 24 May 2017 15:15

Tgt Ion:	276	Resp:	173110
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	31.4	25.4	38.0

