

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096085.D
 Acq On : 21 Jun 2017 15:31
 Operator : SJ/MA
 Sample : I3782-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK4-6-20170619

Manual Integrations
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Quant Time: Jun 21 16:32:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	83305	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	345158	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	145703	20.00	ng	-0.01
63) Phenanthrene-d10	14.53	188	220001	20.00	ng	0.00
75) Chrysene-d12	18.27	240	163566	20.00	ng	0.00
86) Perylene-d12	19.94	264	150442	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	527983	100.99	ng	0.00
7) Phenol-d6	6.87	99	668893	106.87	ng	0.00
23) Nitrobenzene-d5	8.21	82	369785	66.54	ng	-0.01
41) 2,4,6-Tribromophenol	13.44	330	109199	84.71	ng	-0.01
44) 2-Fluorobiphenyl	11.10	172	664550	63.47	ng	0.00
78) Terphenyl-d14	16.92	244	368745	55.95	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	11.92	152	32099	2.00	ng	98
49) Dimethylphthalate	11.80	163	108323	9.79	ng	98
70) Phenanthrene	14.57	178	239548	18.87	ng	98
71) Anthracene	14.67	178	48322m	3.65	ng	
74) Fluoranthene	16.36	202	309606	24.64	ng	99
77) Pyrene	16.66	202	296068	24.26	ng	96
80) Benzo(a)anthracene	18.26	228	116649	12.27	ng	94
82) Chrysene	18.30	228	138284	14.55	ng	97
83) Bis(2-ethylhexyl)phthalate	18.34	149	17032	2.27	ng	# 100
85) Indeno(1,2,3-cd)pyrene	21.11	276	58752	7.23	ng	92
87) Benzo(b)fluoranthene	19.54	252	163581m	17.36	ng	
88) Benzo(k)fluoranthene	19.57	252	45493m	5.05	ng	
89) Benzo(a)pyrene	19.89	252	108537	12.54	ng	# 88
90) Dibenzo(a,h)anthracene	21.11	278	21444	2.92	ng	# 53
91) Benzo(a,h,i)perylene	21.44	276	55364	7.39	ng	92

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

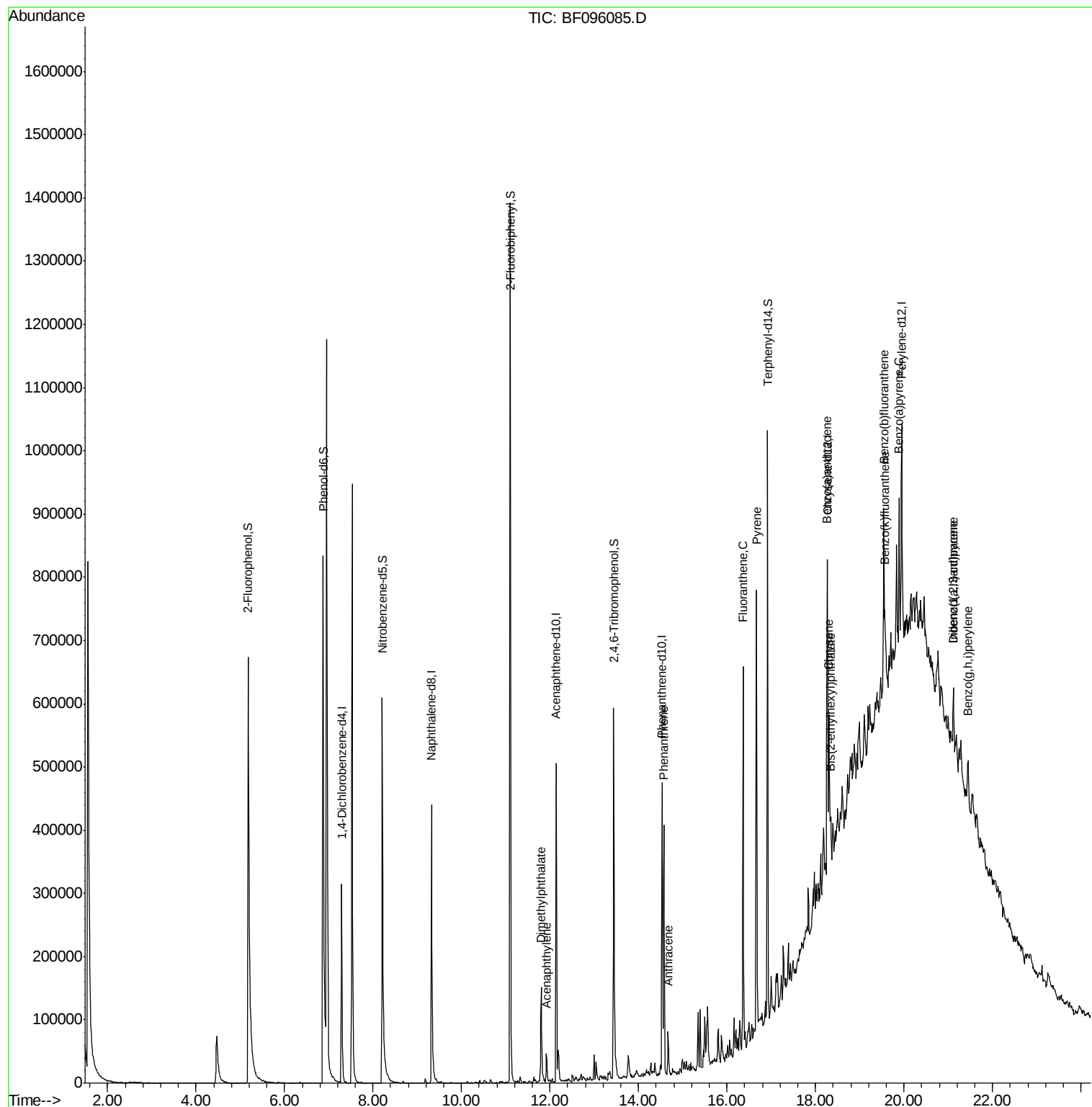
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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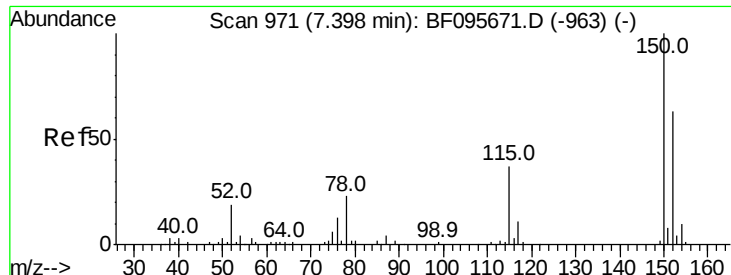
Instrument :
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#1

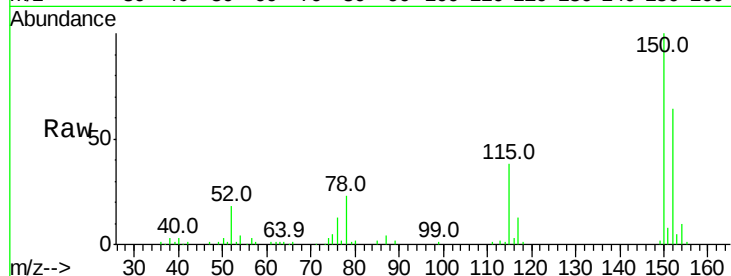
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096085.D
Acq: 21 Jun 2017 15:31

Instrument :
BNA_F
ClientSampleId :
TK4-6-20170619

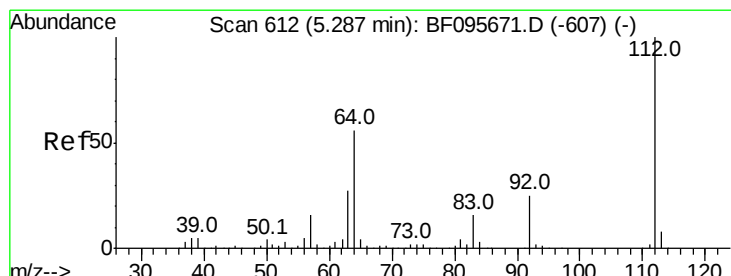
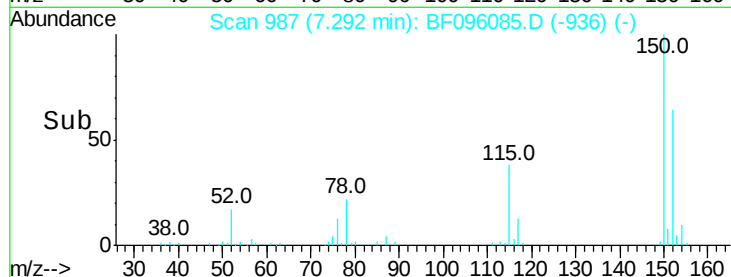
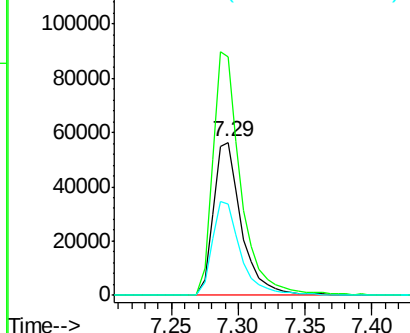
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.2
115	59.9	52.2	78.2

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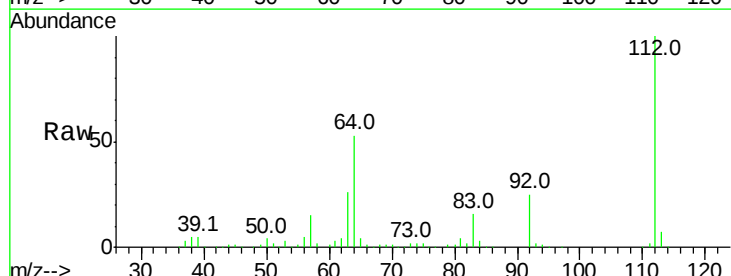
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



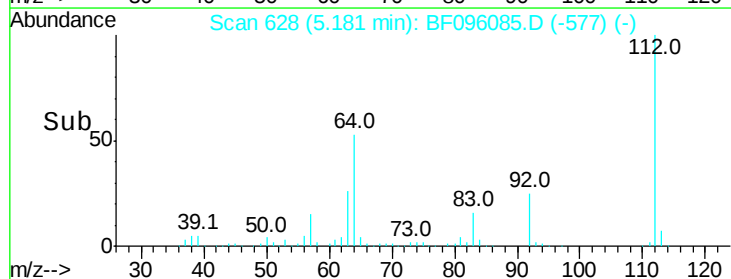
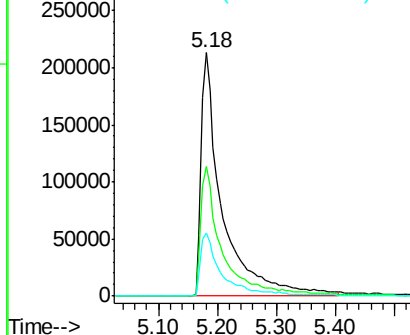
#5

2-Fluorophenol
Concen: 100.99 ng
RT: 5.18 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF096085.D
Acq: 21 Jun 2017 15:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	46.0	69.0
63	25.9	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: 106.87 ng

RT: 6.87 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF096085.D

Acq: 21 Jun 2017 15:31

Instrument :

BNA_F

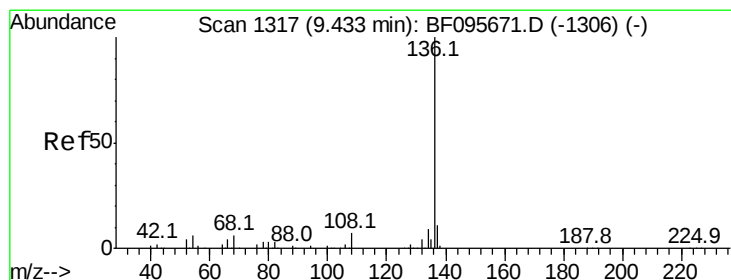
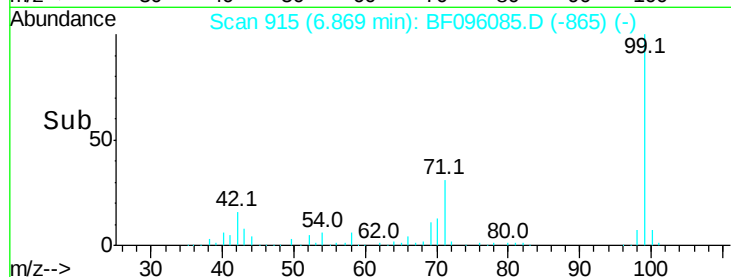
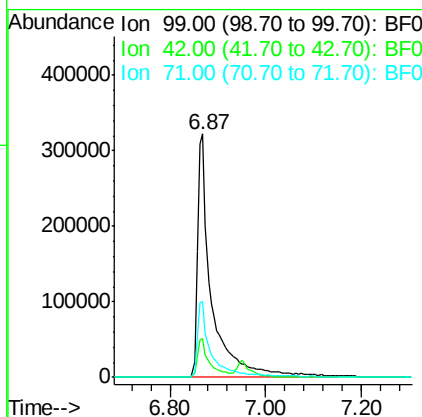
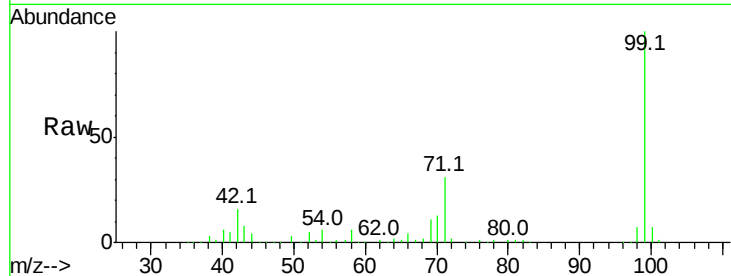
ClientSampleId :

TK4-6-20170619

Tot Ion:	99	Resp:	668893
Ion Ratio	Lower	Upper	
99	100		
42	15.9	13.5	20.3
71	31.2	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

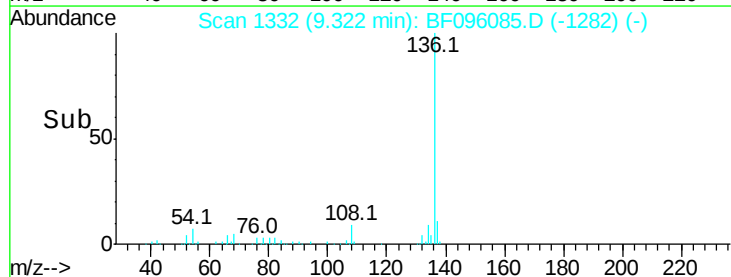
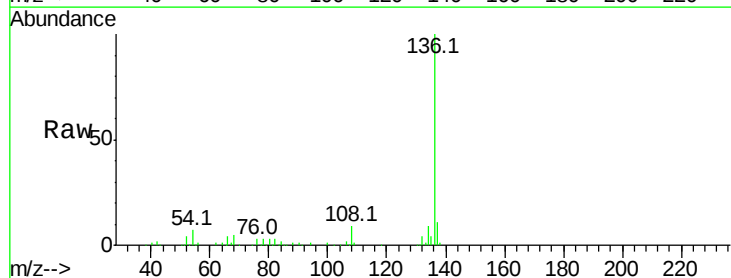
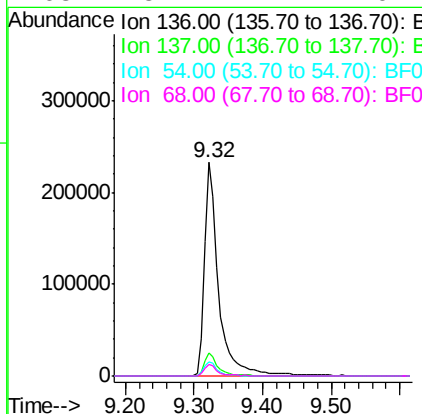
RT: 9.32 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF096085.D

Acq: 21 Jun 2017 15:31

Tgt Ion:	136	Resp:	345158
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	6.6	4.9	7.3
68	5.4	4.1	6.1





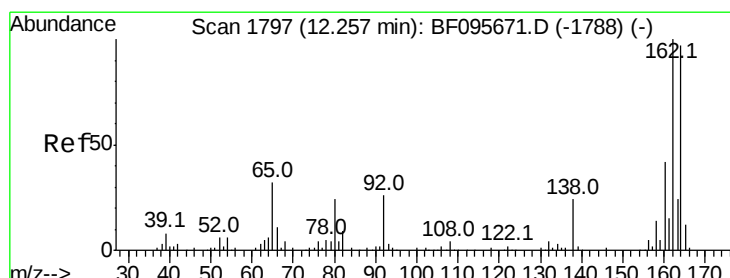
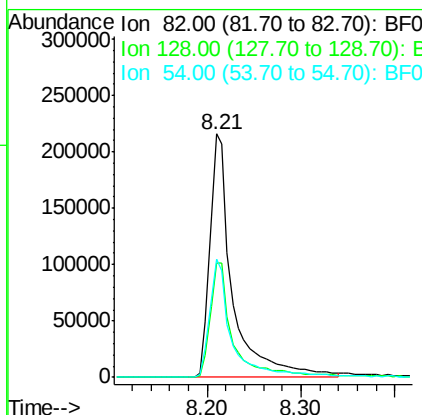
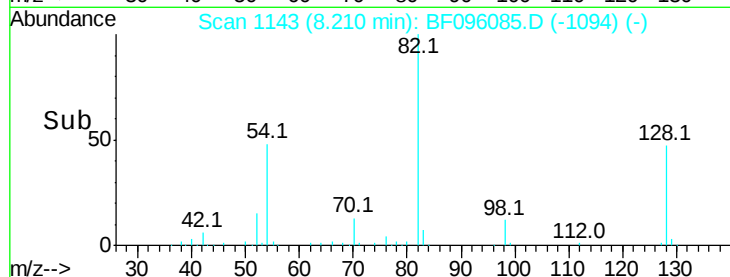
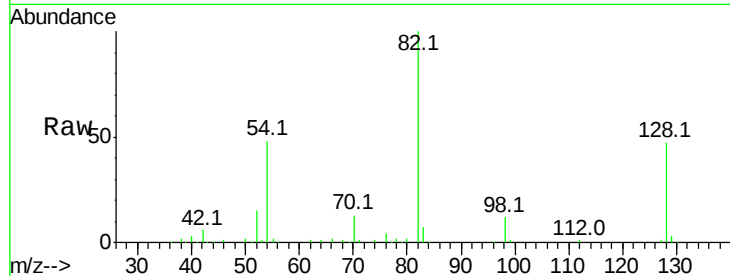
#23
 Nitrobenzene-d5
 Concen: 66.54 ng
 RT: 8.21 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF096085.D
 Acq: 21 Jun 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 TK4-6-20170619

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.8	34.0	51.0	
54	48.4	42.2	63.2	

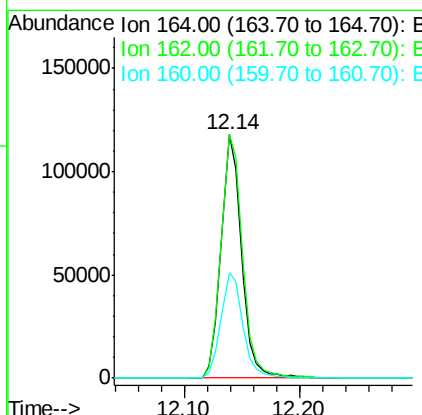
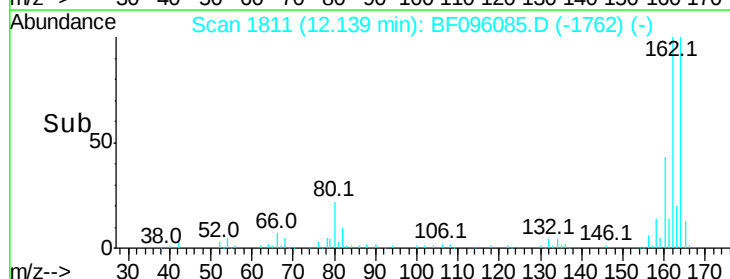
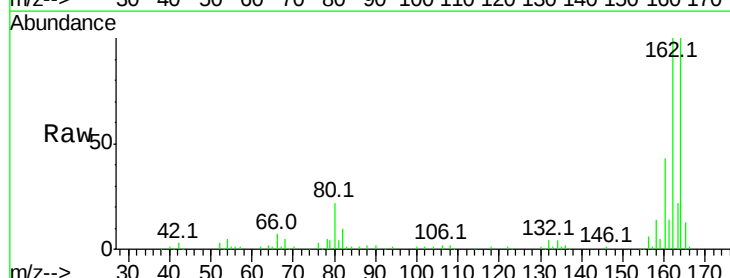
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF096085.D
 Acq: 21 Jun 2017 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.1	82.6	123.8	
160	43.3	36.2	54.2	





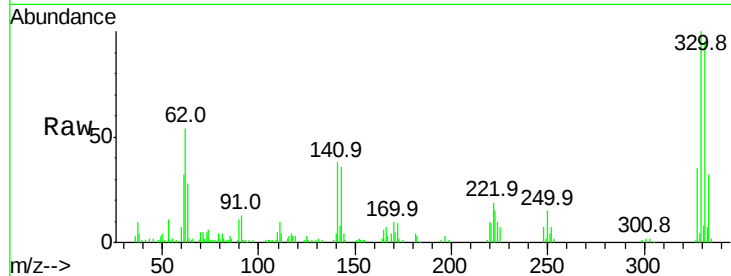
#41
 2,4,6-Tribromophenol
 Concen: 84.71 ng
 RT: 13.44 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF096085.D
 Acq: 21 Jun 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 TK4-6-20170619

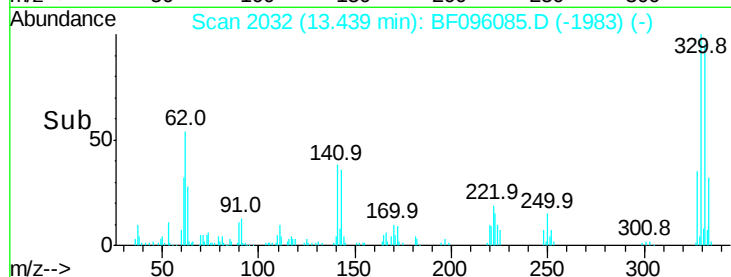
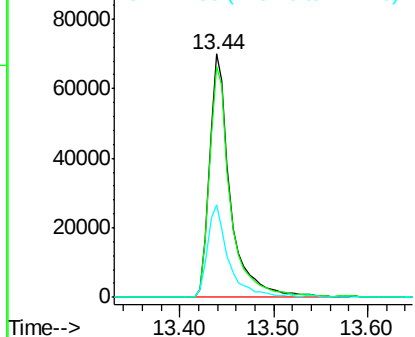
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	76.6	115.0	
141	38.3	31.4	47.2	

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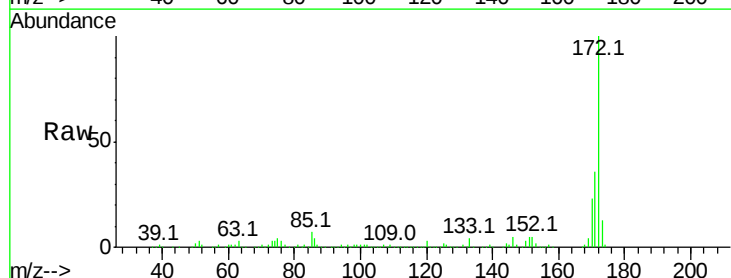


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

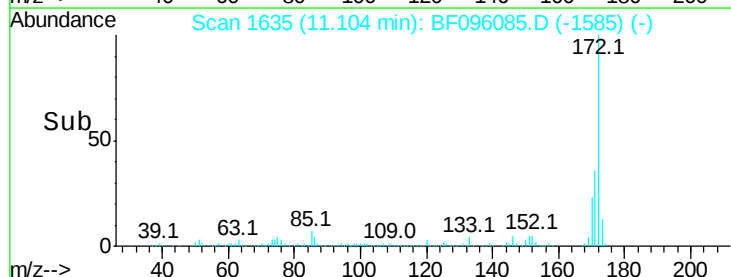
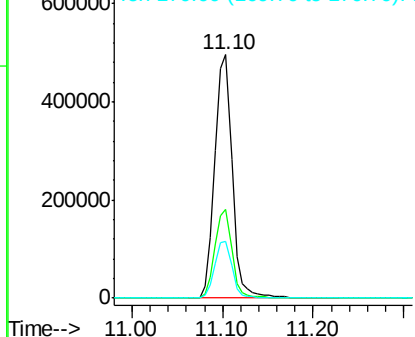


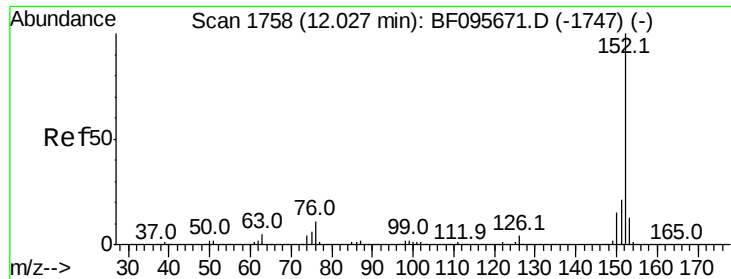
#44
 2-Fluorobiphenyl
 Concen: 63.47 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096085.D
 Acq: 21 Jun 2017 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.6	44.4	
170	23.1	19.8	29.8	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





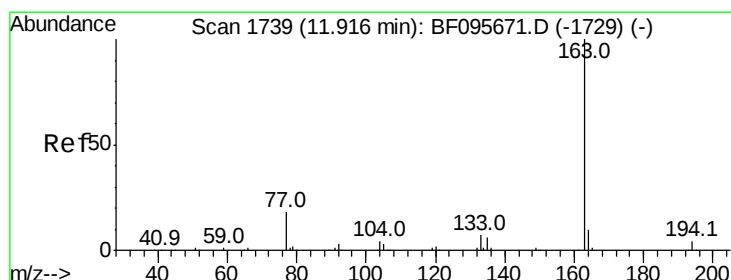
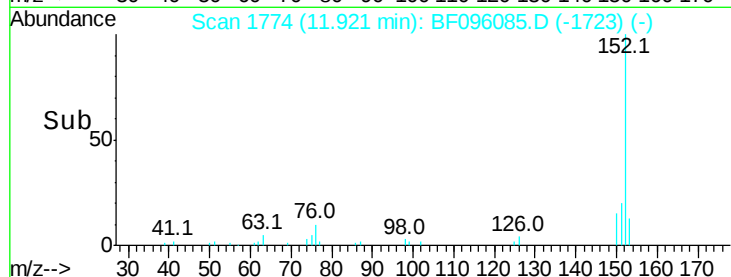
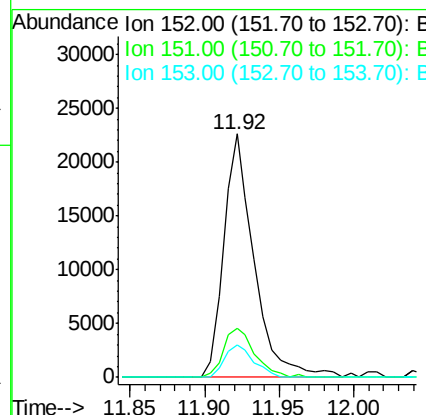
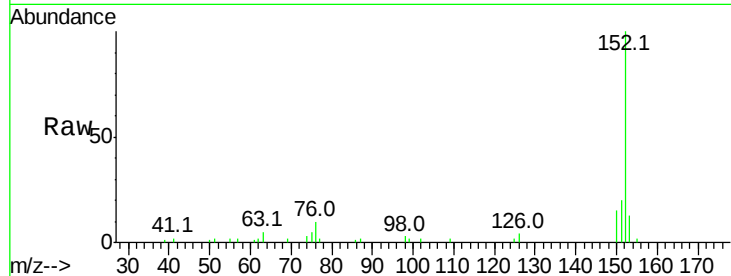
#48
Acenaphthylene
Concen: 2.00 ng
RT: 11.92 min Scan# 1774
Delta R.T. 0.00 min
Lab File: BF096085.D
Acq: 21 Jun 2017 15:31

Instrument :
BNA_F
ClientSampleId :
TK4-6-20170619

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.8	25.2
153	13.2	10.8	16.2

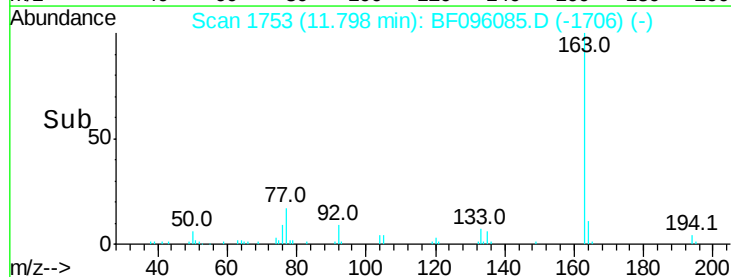
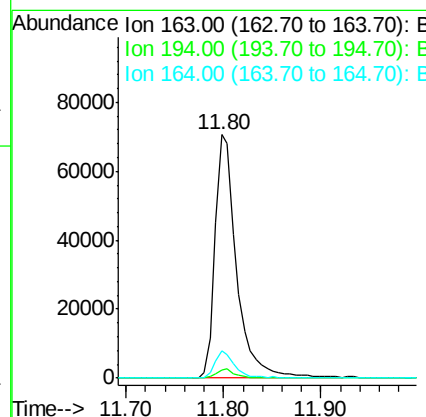
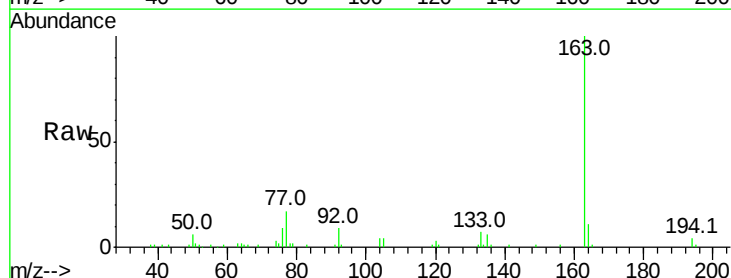
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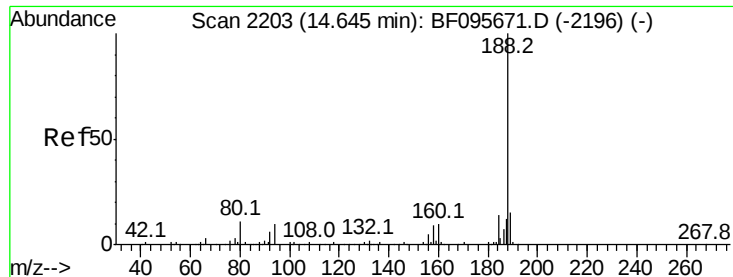
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#49
Dimethylphthalate
Concen: 9.79 ng
RT: 11.80 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096085.D
Acq: 21 Jun 2017 15:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	11.3	8.4	12.6





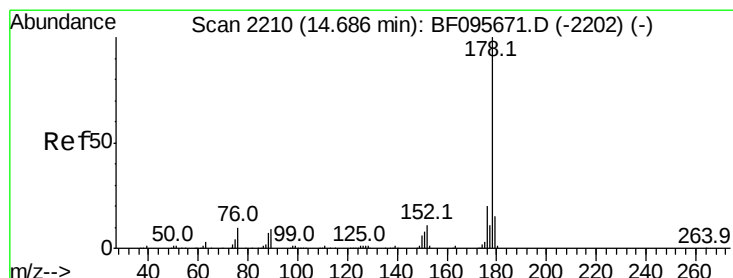
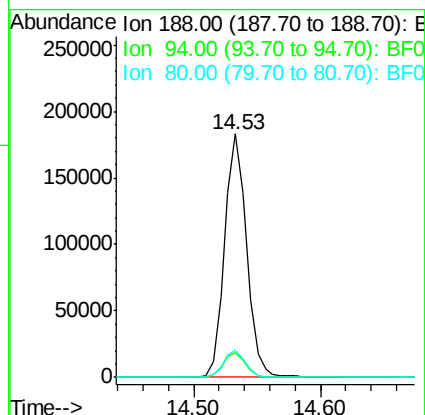
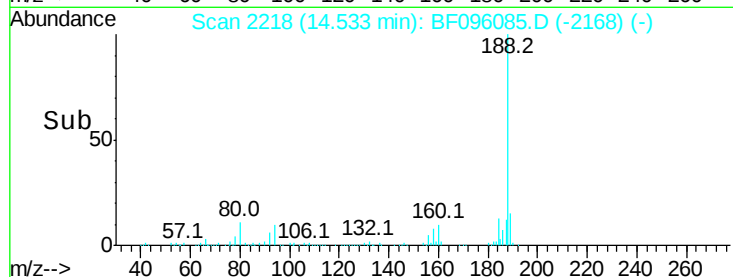
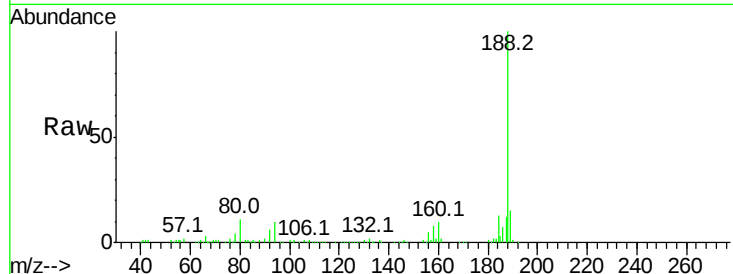
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096085.D
Acq: 21 Jun 2017 15:31

Instrument :
BNA_F
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TK4-6-20170619

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.2	10.2	15.2

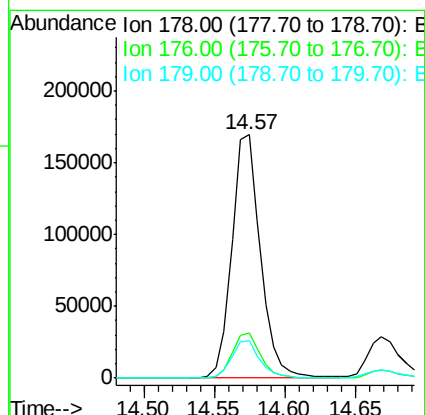
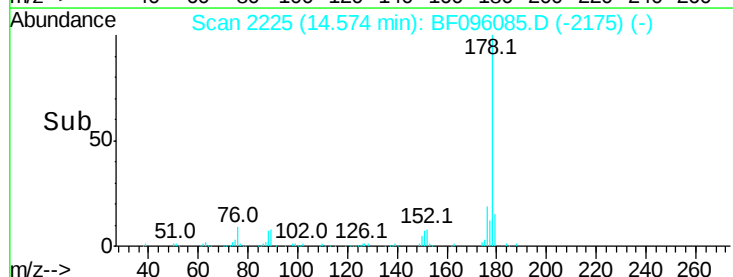
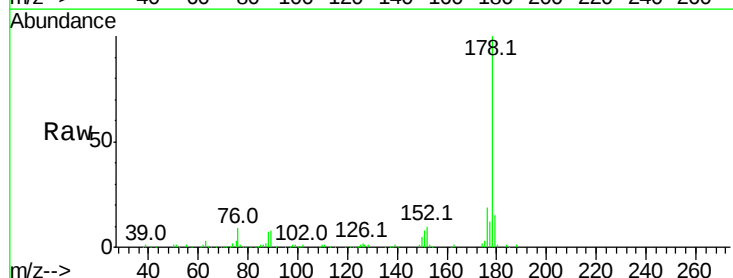
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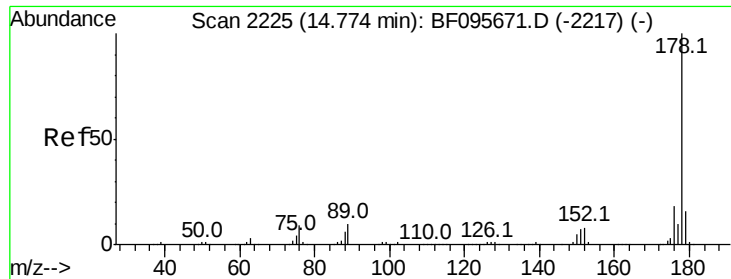
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#70
Phenanthrene
Concen: 18.87 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096085.D
Acq: 21 Jun 2017 15:31

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.5	12.6	19.0





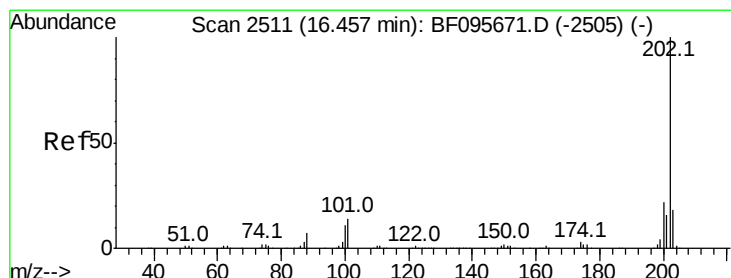
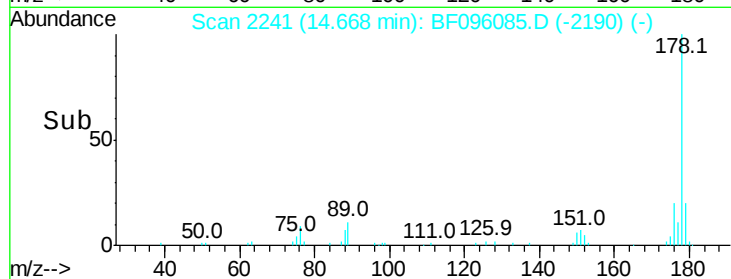
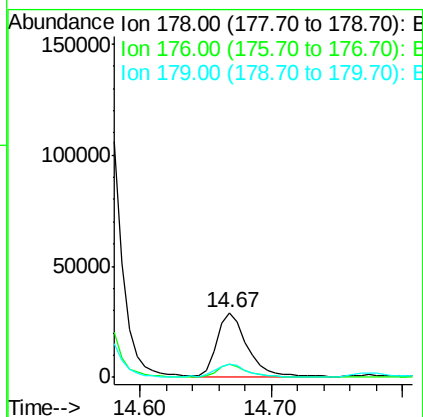
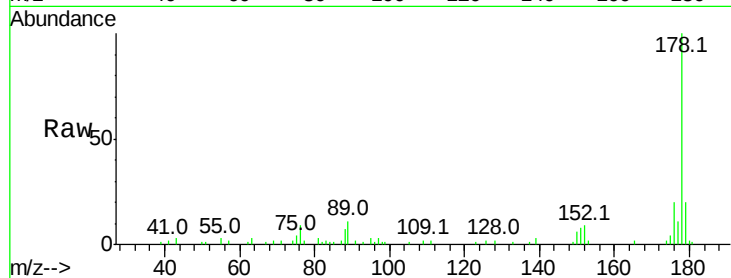
#71
 Anthracene
 Concen: 3.65 ng m
 RT: 14.67 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: BF096085.D
 Acq: 21 Jun 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 TK4-6-20170619

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	19.5	12.7	19.1

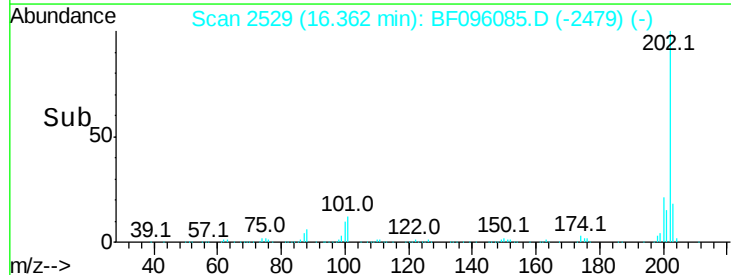
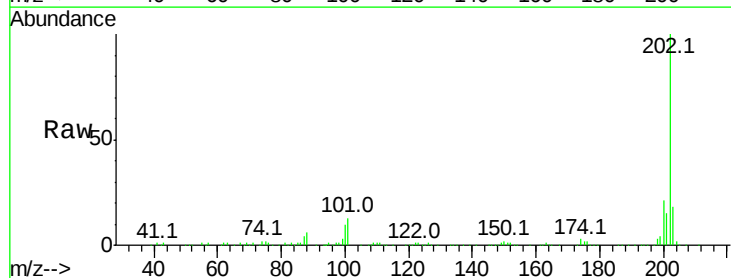
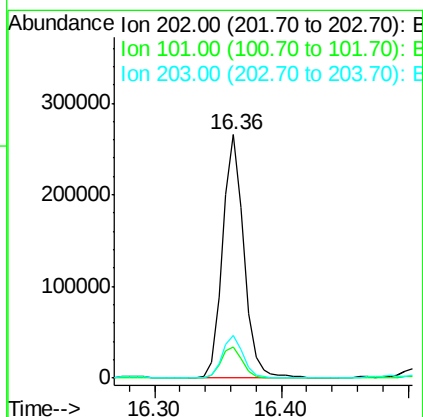
Manual Integrations
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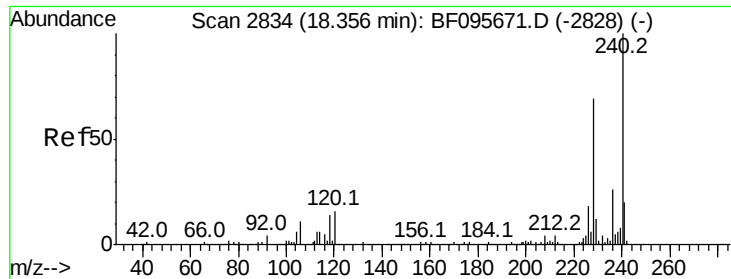
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#74
 Fluoranthene
 Concen: 24.64 ng
 RT: 16.36 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF096085.D
 Acq: 21 Jun 2017 15:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096085.D

Acq: 21 Jun 2017 15:31

Instrument :

BNA_F

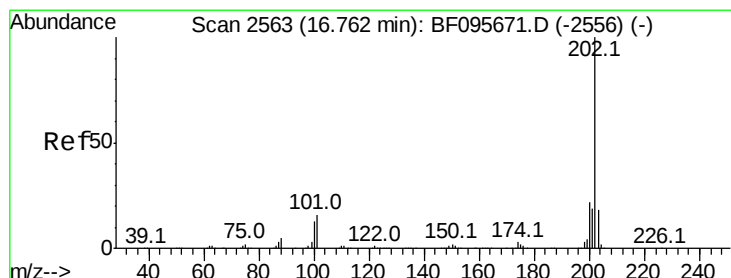
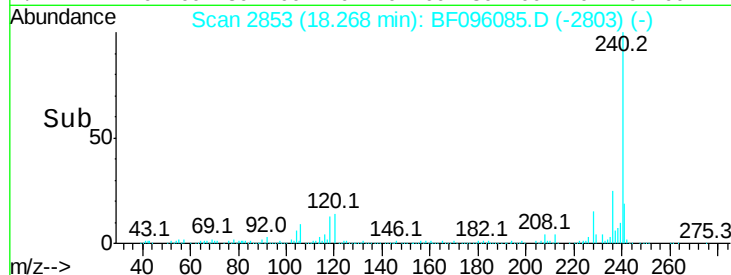
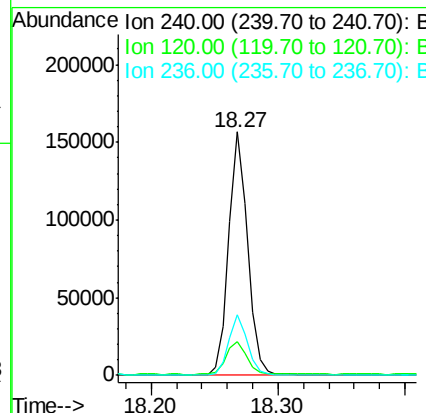
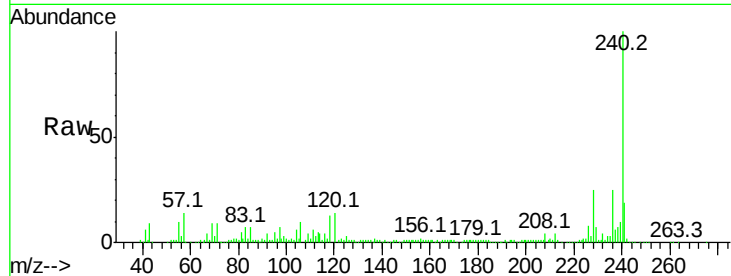
ClientSampleId :

TK4-6-20170619

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	25.1	20.5	30.7

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#77

Pyrene

Concen: 24.26 ng

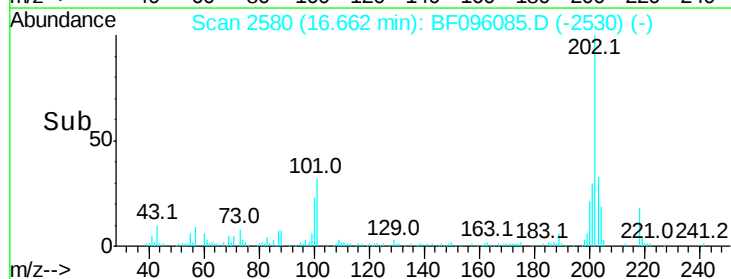
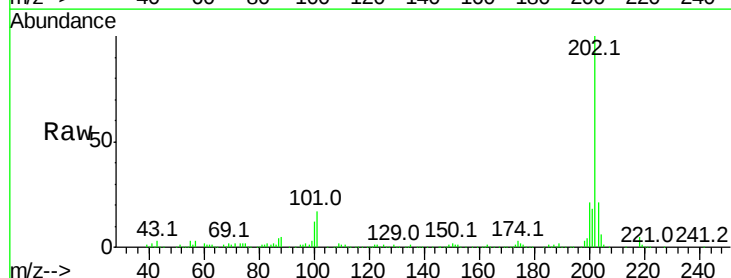
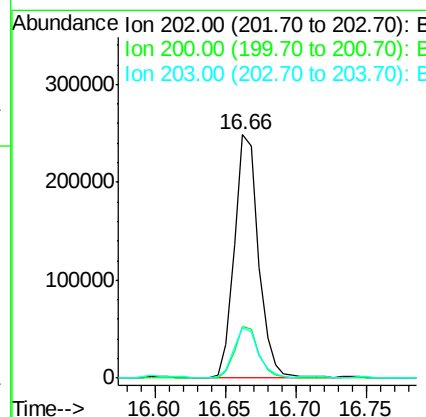
RT: 16.66 min Scan# 2580

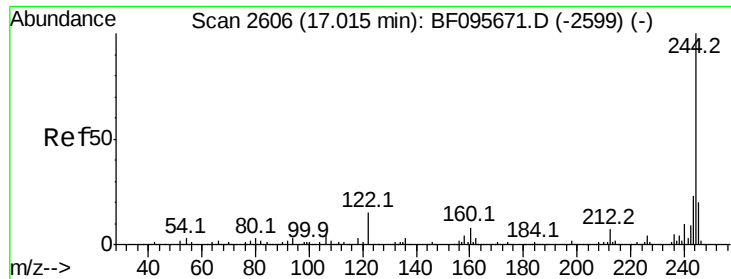
Delta R.T. -0.01 min

Lab File: BF096085.D

Acq: 21 Jun 2017 15:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	20.7	14.4	21.6





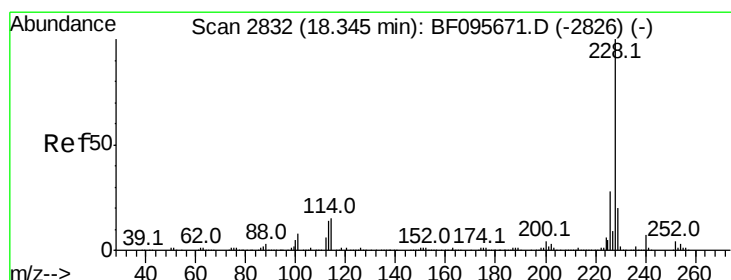
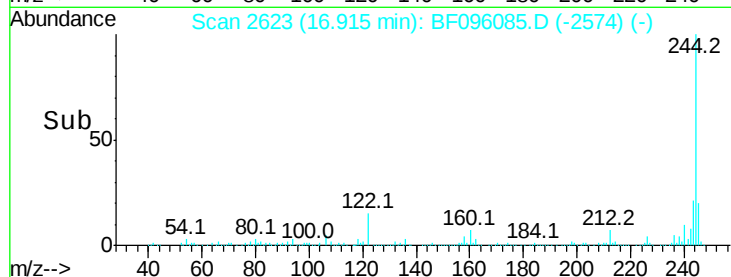
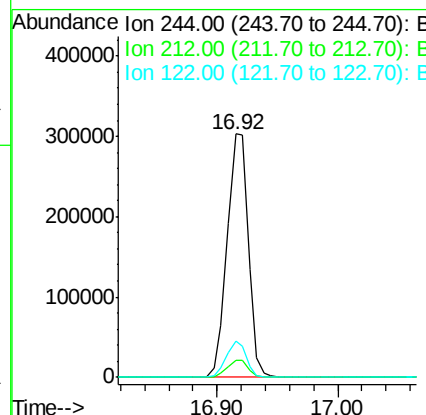
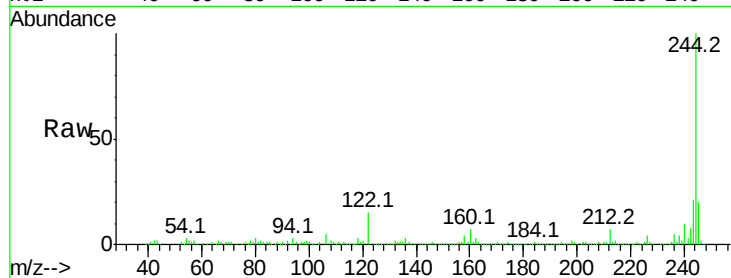
#78
 Terphenyl-d14
 Concen: 55.95 ng
 RT: 16.92 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF096085.D
 Acq: 21 Jun 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 TK4-6-20170619

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	15.1	10.3	15.5

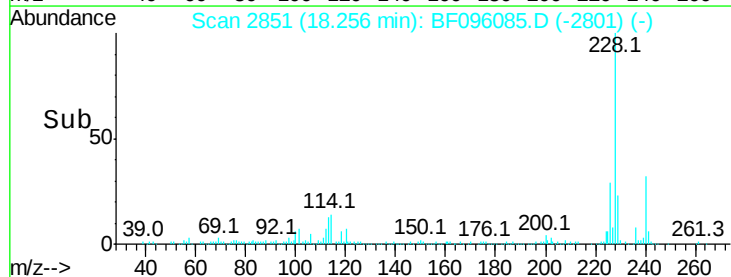
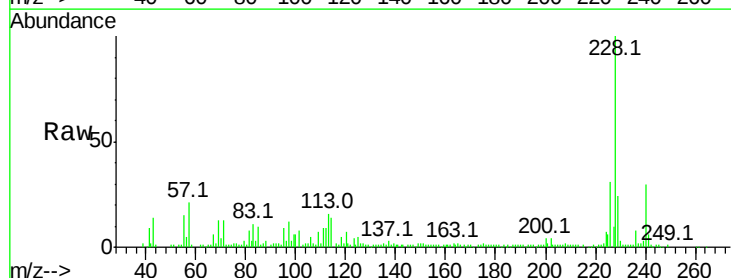
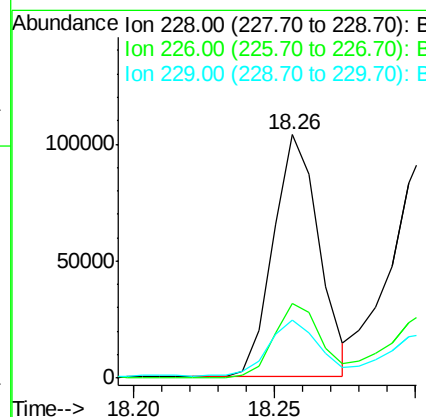
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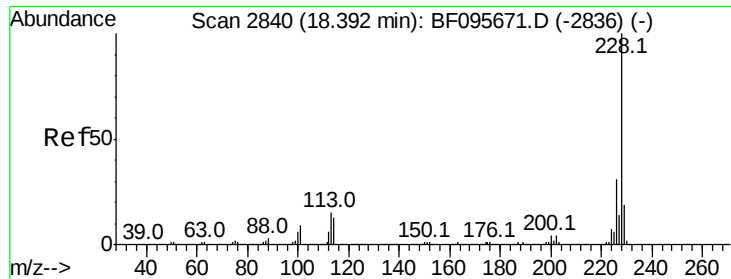
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#80
 Benzo(a)anthracene
 Concen: 12.27 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096085.D
 Acq: 21 Jun 2017 15:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	23.8	16.3	24.5





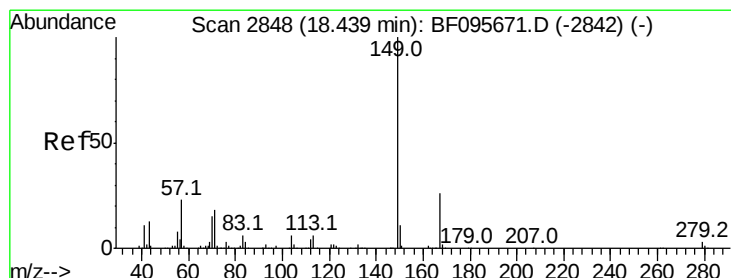
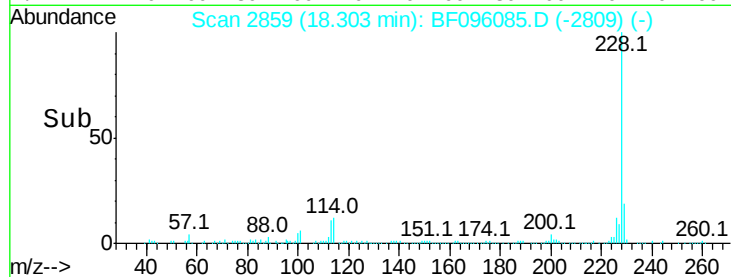
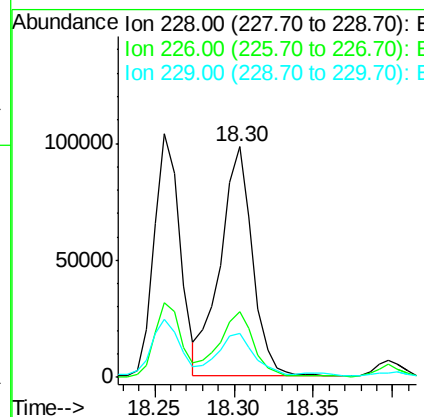
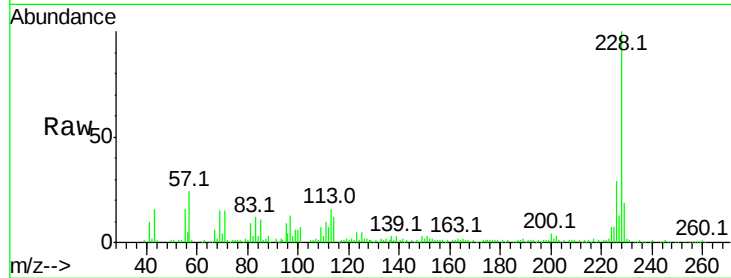
#82
Chrysene
Concen: 14.55 ng
RT: 18.30 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BF096085.D
Acq: 21 Jun 2017 15:31

Instrument :
BNA_F
ClientSampleId :
TK4-6-20170619

Tot Ion	Ratio	Resp	Lower	Upper
228	100	138284		
226	28.8	24.9	37.3	
229	19.0	15.8	23.6	

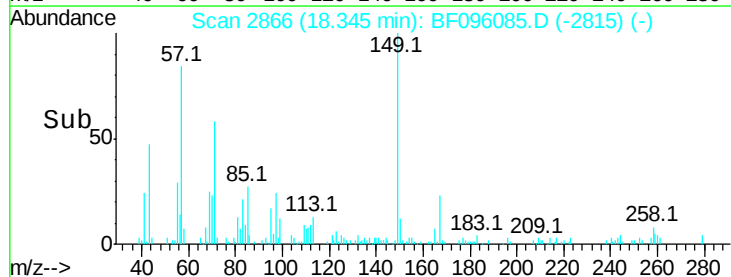
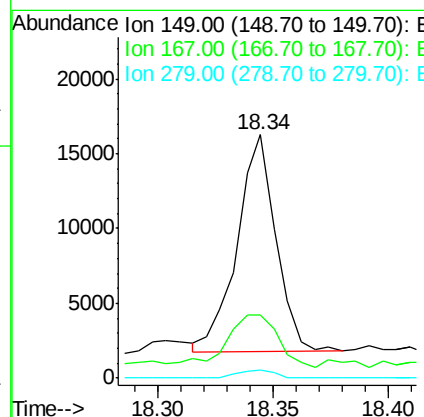
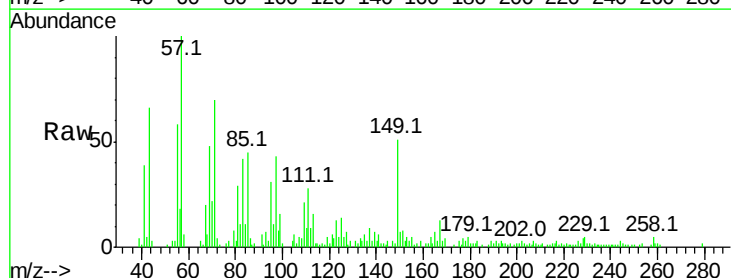
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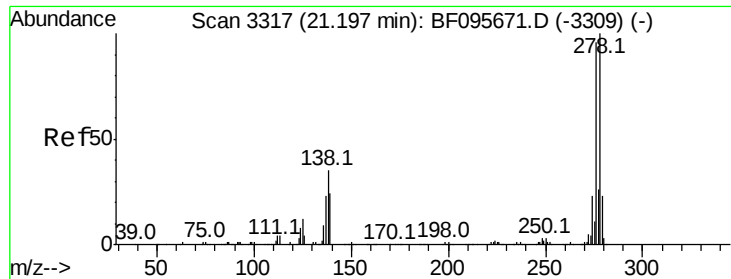
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.27 ng
RT: 18.34 min Scan# 2866
Delta R.T. 0.00 min
Lab File: BF096085.D
Acq: 21 Jun 2017 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	17032		
167	26.1	21.0	31.4	
279	3.4	1.9	2.9#	





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.23 ng

RT: 21.11 min Scan# 3337

Delta R.T. 0.02 min

Lab File: BF096085.D

Acq: 21 Jun 2017 15:31

Instrument :

BNA_F

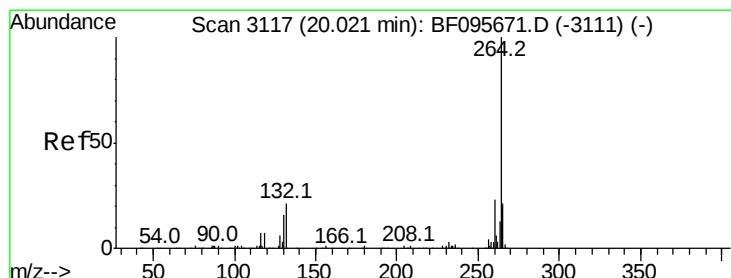
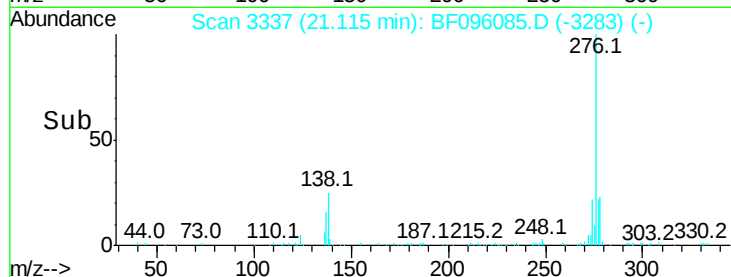
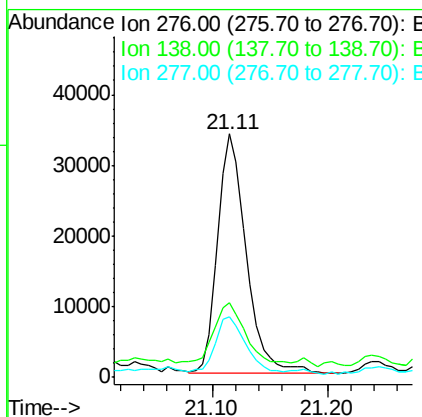
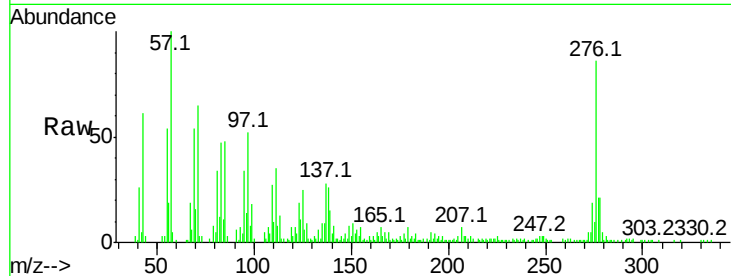
ClientSampleId :

TK4-6-20170619

Tot Ion:	276	Resp:	58752
Ion Ratio	Lower	Upper	
276	100		
138	28.6	27.8	41.6
277	23.3	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

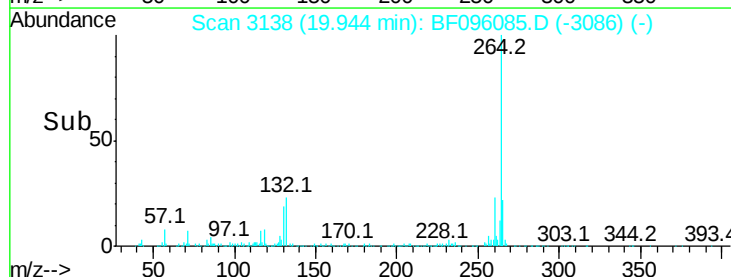
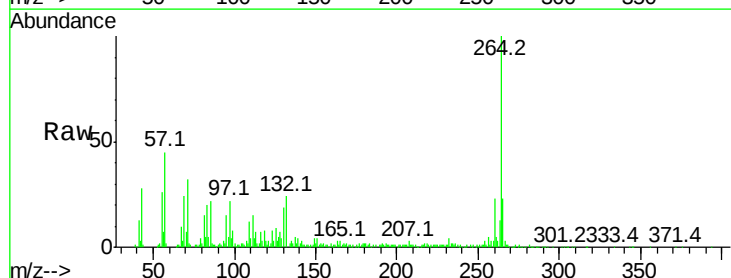
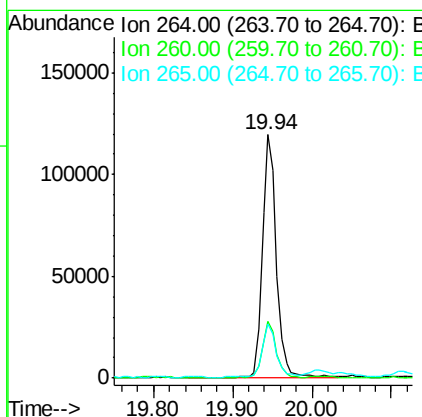
RT: 19.94 min Scan# 3138

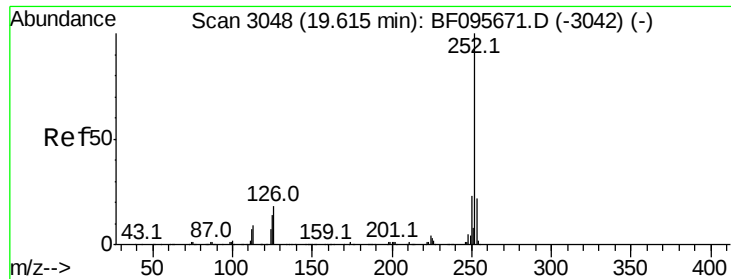
Delta R.T. 0.01 min

Lab File: BF096085.D

Acq: 21 Jun 2017 15:31

Tgt Ion:	264	Resp:	150442
Ion Ratio	Lower	Upper	
264	100		
260	23.1	19.5	29.3
265	22.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 17.36 ng m

RT: 19.54 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BF096085.D

Acq: 21 Jun 2017 15:31

Instrument :

BNA_F

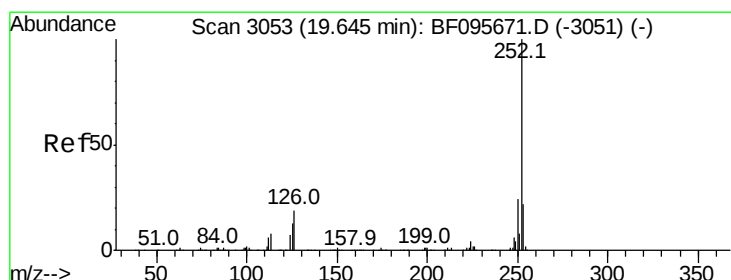
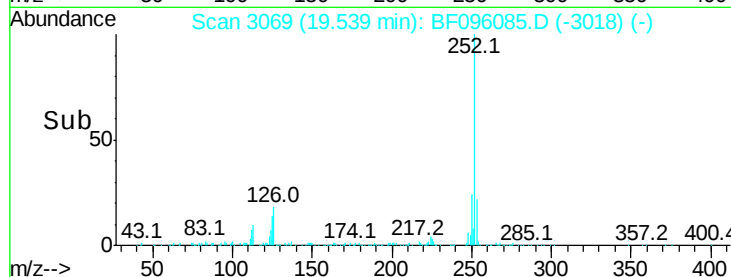
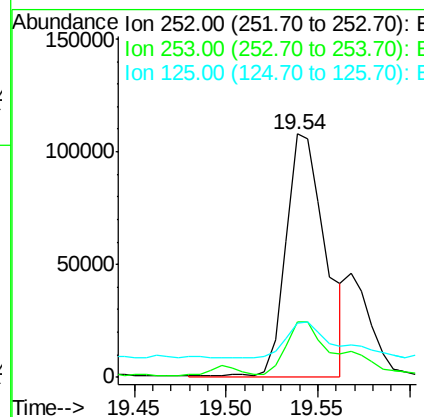
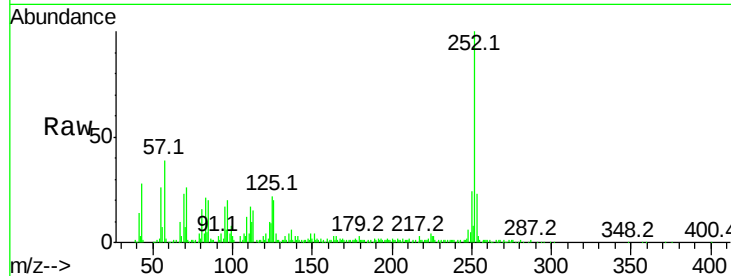
ClientSampleId :

TK4-6-20170619

Tot Ion:	252	Resp:	163581
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	22.2	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 5.05 ng m

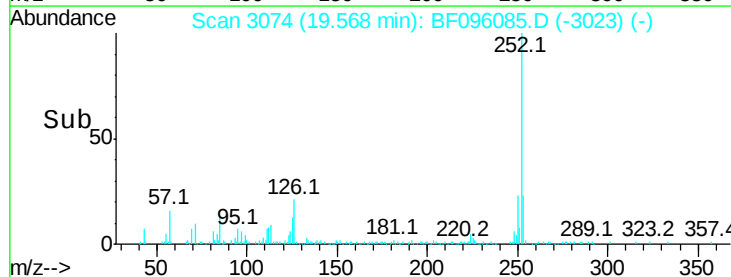
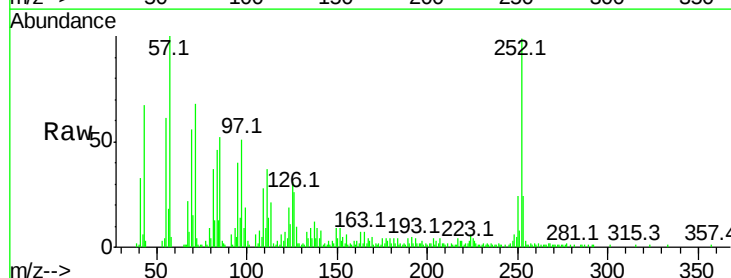
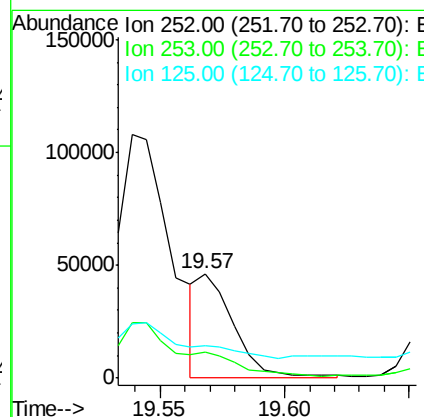
RT: 19.57 min Scan# 3074

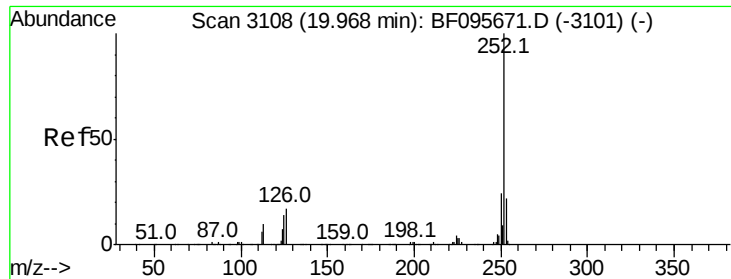
Delta R.T. 0.00 min

Lab File: BF096085.D

Acq: 21 Jun 2017 15:31

Tgt Ion:	252	Resp:	45493
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.4	27.6
125	31.5	13.1	19.7#





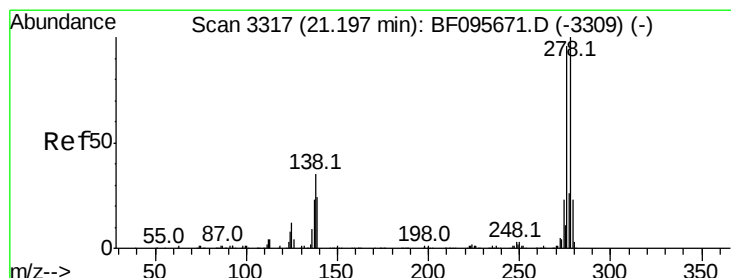
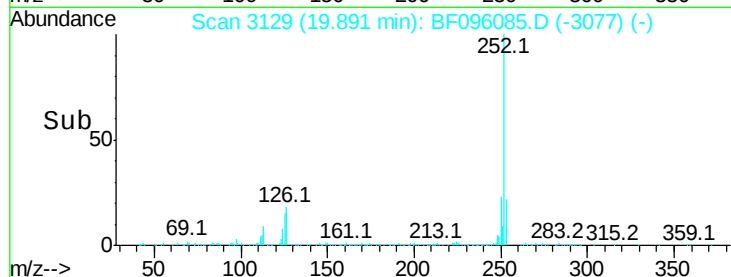
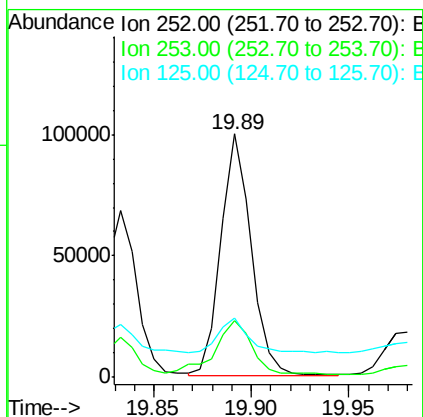
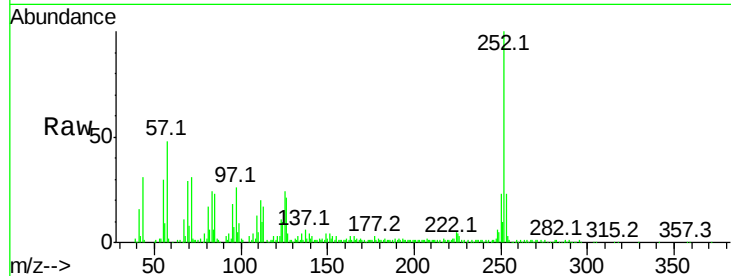
#89
Benzo(a)pyrene
Concen: 12.54 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096085.D
Acq: 21 Jun 2017 15:31

Instrument :
BNA_F
ClientSampleId :
TK4-6-20170619

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	17.5	26.3
125	24.4	11.0	16.4

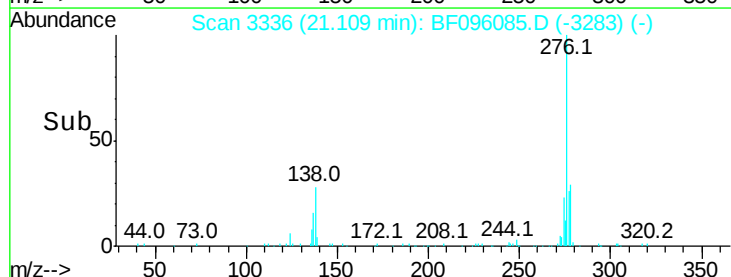
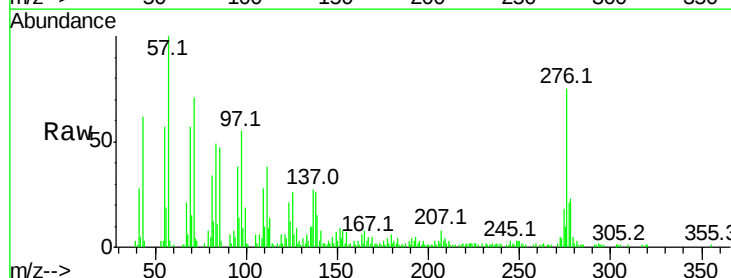
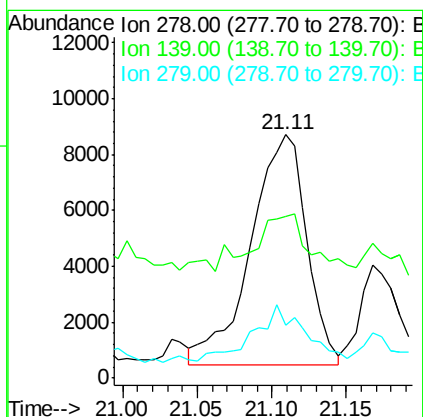
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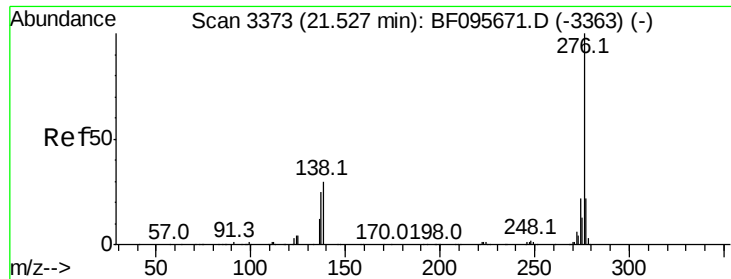
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#90
Dibenzo(a,h)anthracene
Concen: 2.92 ng
RT: 21.11 min Scan# 3336
Delta R.T. 0.01 min
Lab File: BF096085.D
Acq: 21 Jun 2017 15:31

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	66.2	16.6	24.8
279	21.9	19.3	28.9





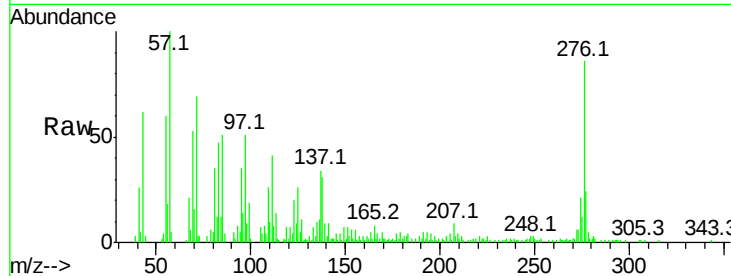
#91
 Benzo(a,h,i)perylene
 Concen: 7.39 ng
 RT: 21.44 min Scan# 3393
 Delta R.T. 0.02 min
 Lab File: BF096085.D
 Acq: 21 Jun 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 TK4-6-20170619

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.6	28.0
138	35.3	25.4	38.0

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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

