

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096062.D
 Acq On : 21 Jun 2017 00:32
 Operator : SJ/MA
 Sample : I3782-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK4-2-20170619

Manual Integrations
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Quant Time: Jun 21 02:21:57 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	69531	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	264686	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	99063	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	156565	20.00	ng	0.00
75) Chrysene-d12	18.27	240	122536	20.00	ng	0.00
86) Perylene-d12	19.94	264	91171	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	491685	112.68	ng	0.00
7) Phenol-d6	6.87	99	594881	113.88	ng	0.00
23) Nitrobenzene-d5	8.21	82	314202	73.72	ng	-0.01
41) 2,4,6-Tribromophenol	13.44	330	87105	99.38	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	521900	73.31	ng	0.00
78) Terphenyl-d14	16.92	244	314553	63.71	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	11.92	152	41187	3.78	ng	96
49) Dimethylphthalate	11.80	163	120122	15.97	ng	99
70) Phenanthrene	14.57	178	245760	27.21	ng	98
71) Anthracene	14.66	178	48057	5.10	ng	95
72) Carbazole	14.97	167	24747	2.69	ng	96
74) Fluoranthene	16.37	202	383850	42.93	ng	99
77) Pyrene	16.67	202	386557	42.28	ng	97
80) Benzo(a)anthracene	18.26	228	148887	20.90	ng	96
82) Chrysene	18.30	228	153180	21.52	ng	99
85) Indeno(1,2,3-cd)pyrene	21.10	276	55389	9.09	ng	95
87) Benzo(b)fluoranthene	19.54	252	145970m	25.57	ng	
88) Benzo(k)fluoranthene	19.56	252	46069m	8.44	ng	
89) Benzo(a)pyrene	19.89	252	100963	19.24	ng	98
90) Dibenzo(a,h)anthracene	21.10	278	22933	5.15	ng	# 78
91) Benzo(a,h,i)perylene	21.43	276	54288	11.96	ng	98

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

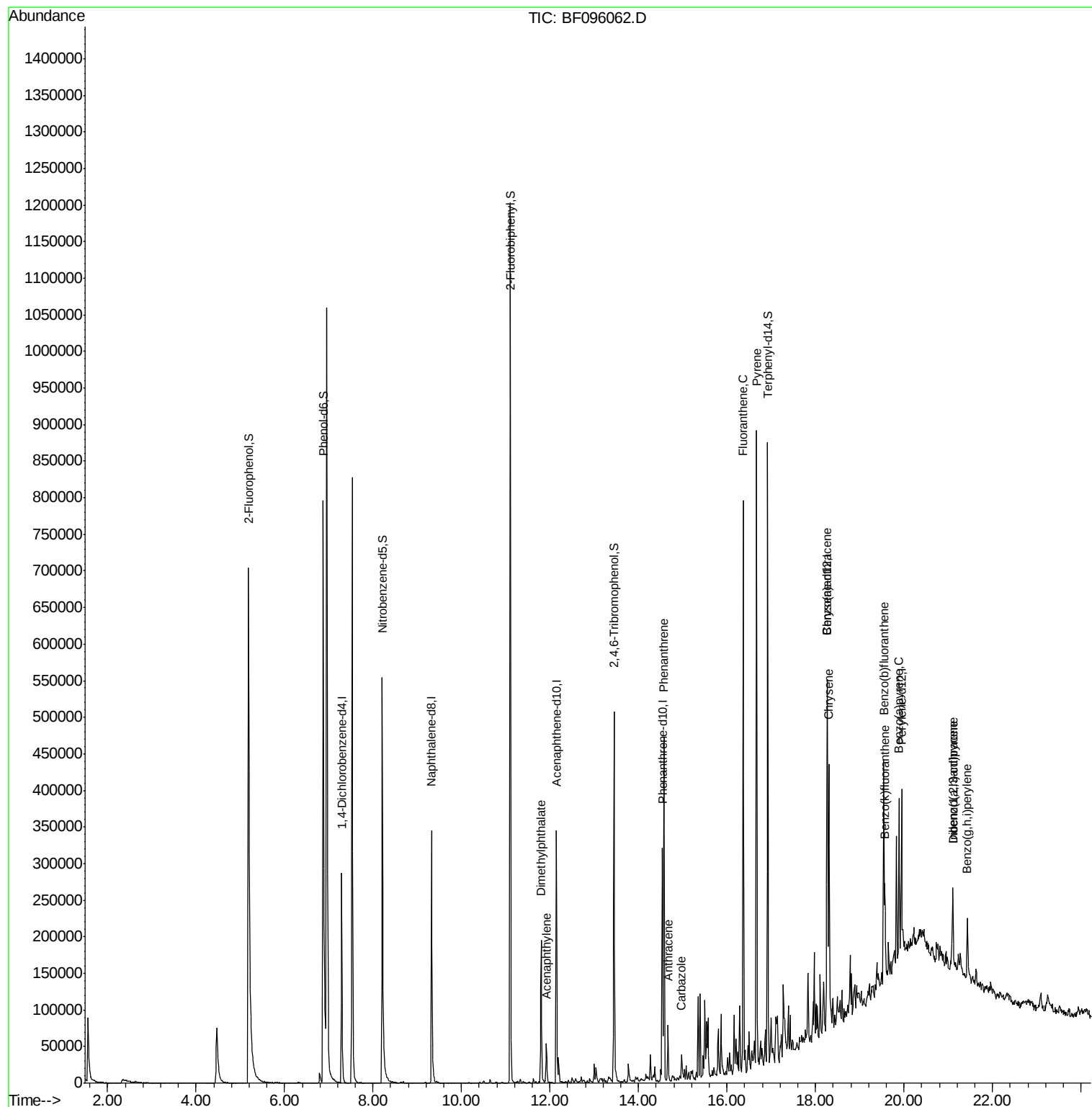
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096062.D
Acq On : 21 Jun 2017 00:32
Operator : SJ/MA
Sample : I3782-04
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#1

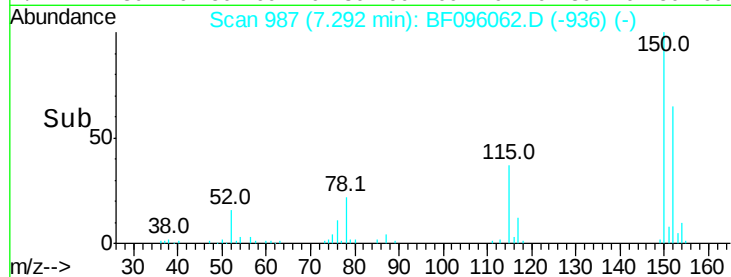
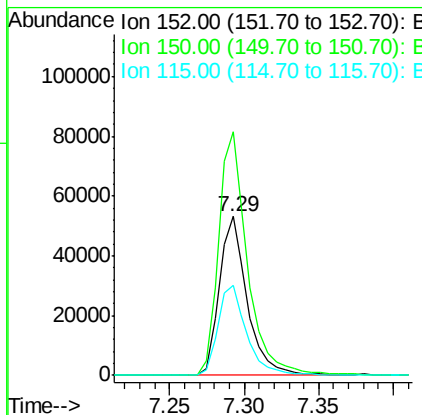
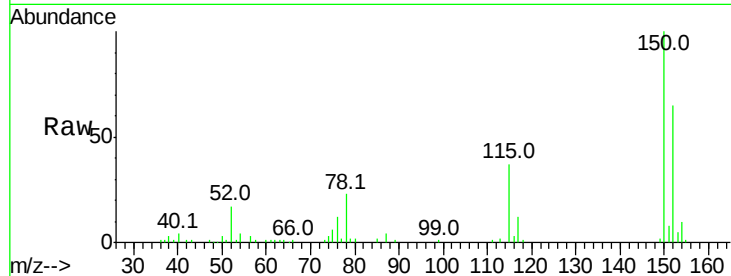
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Instrument :
BNA_F
ClientSampleId :
TK4-2-20170619

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.2	189.2
115	57.0	52.2	78.2

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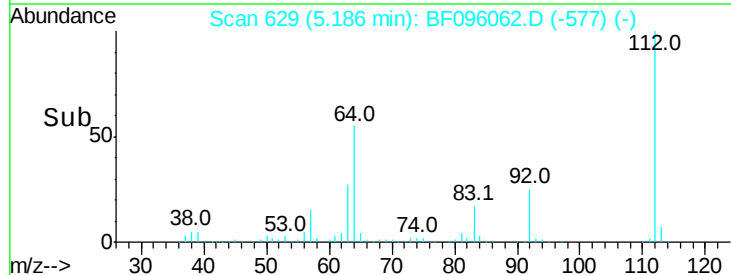
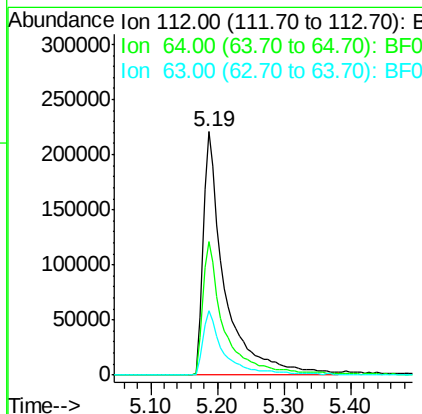
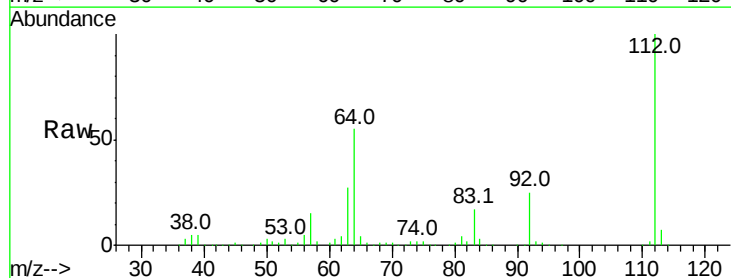
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#5

2-Fluorophenol
Concen: 112.68 ng
RT: 5.19 min Scan# 629
Delta R.T. 0.01 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	46.0	69.0
63	26.7	23.4	35.0





#7

Phenol-d6

Concen: 113.88 ng

RT: 6.87 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

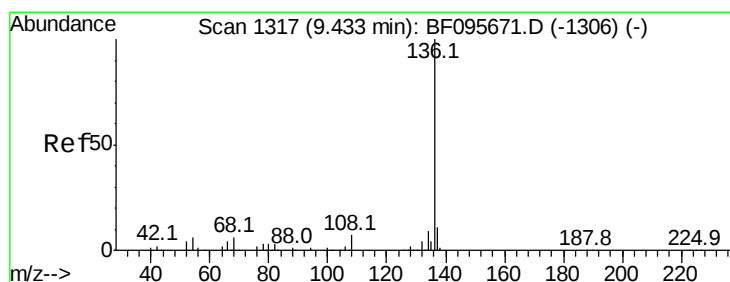
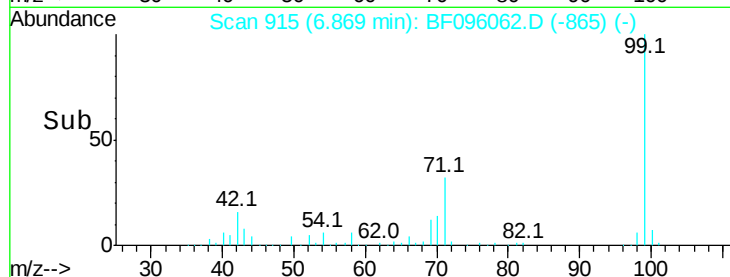
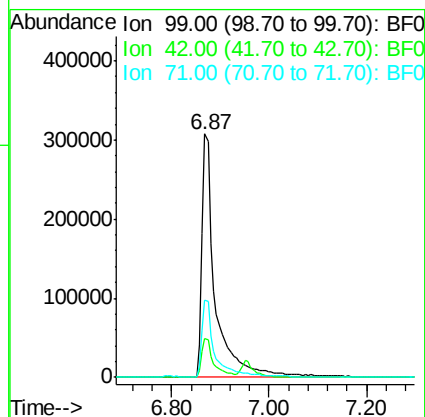
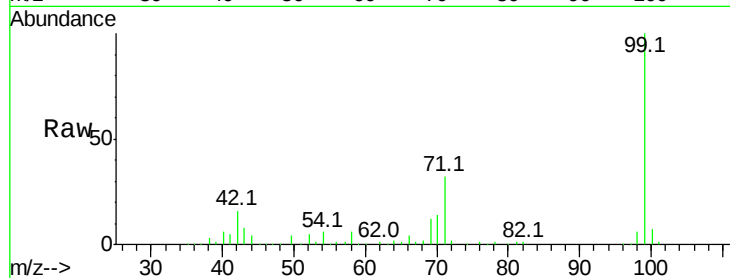
ClientSampleId :

TK4-2-20170619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		594881		
42	16.1	13.5	20.3		
71	31.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

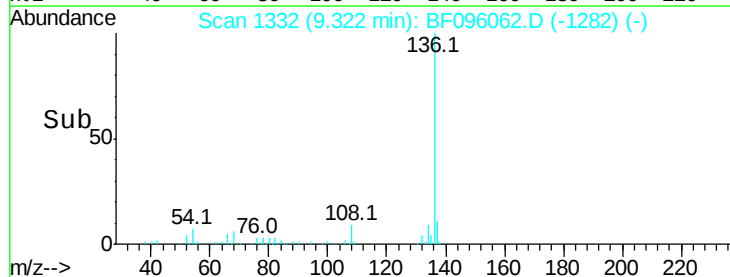
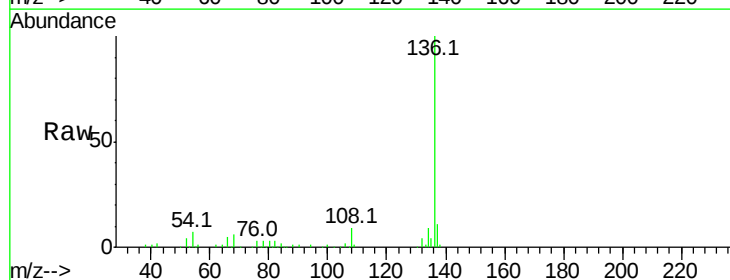
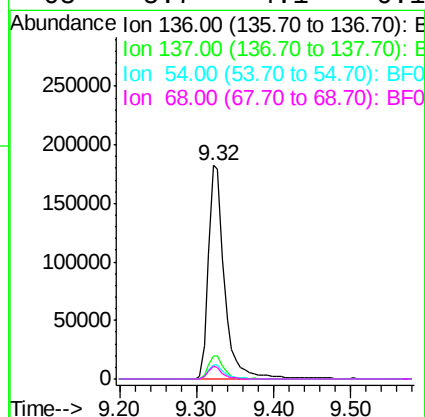
RT: 9.32 min Scan# 1332

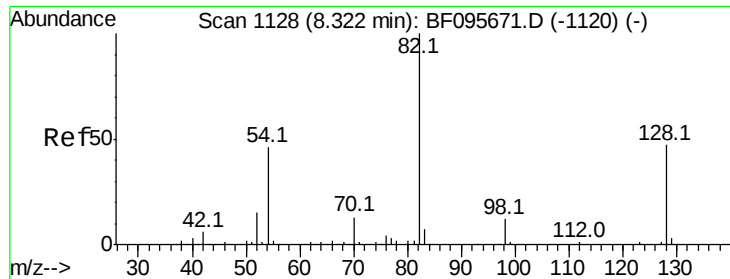
Delta R.T. -0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		264686		
137	10.8	8.5	12.7		
54	6.7	4.9	7.3		
68	5.7	4.1	6.1		





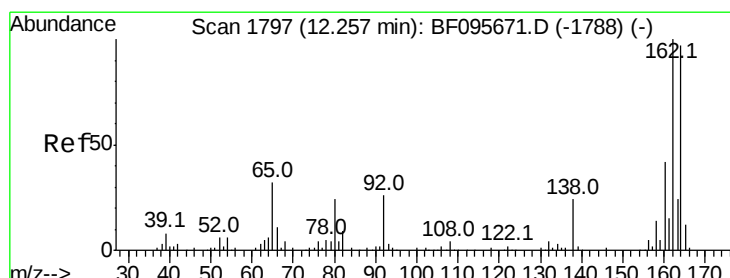
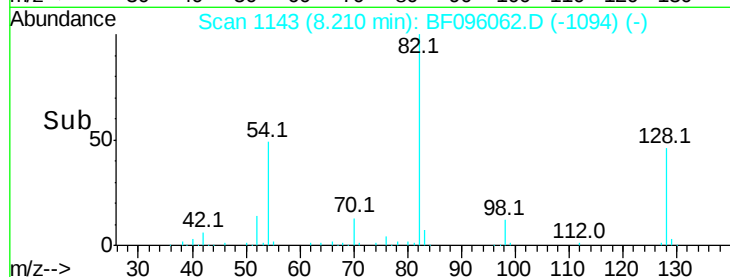
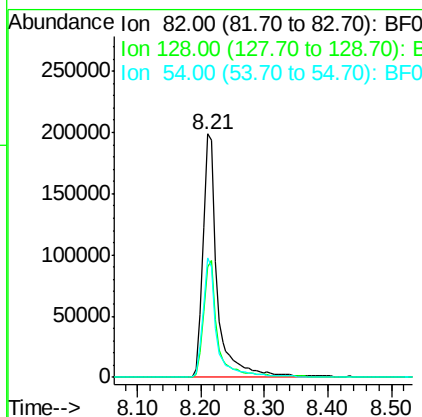
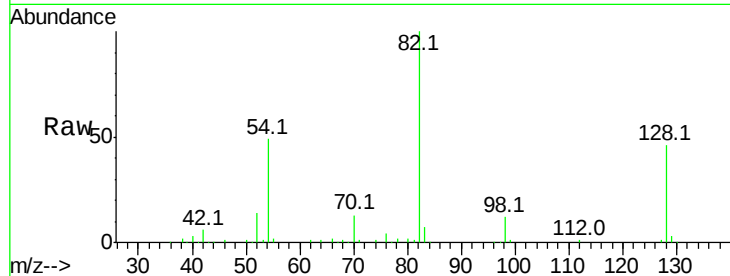
#23
 Nitrobenzene-d5
 Concen: 73.72 ng
 RT: 8.21 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Instrument :
 BNA_F
 ClientSampled :
 TK4-2-20170619

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	48.9	42.2	63.2

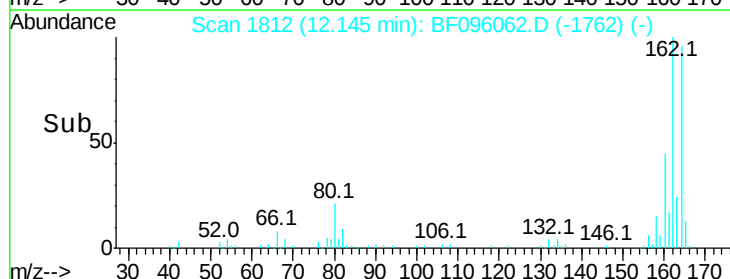
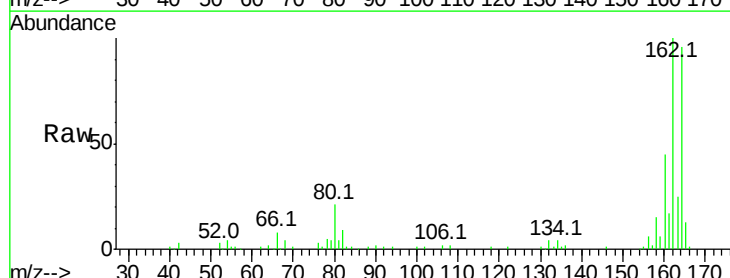
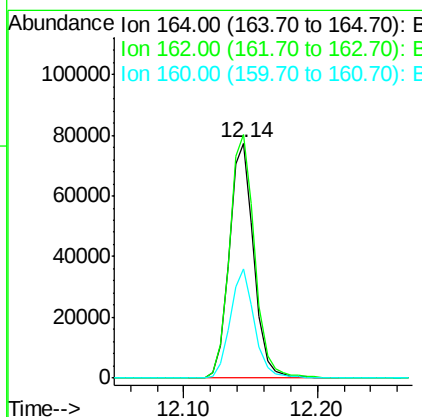
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.8	82.6	123.8
160	46.3	36.2	54.2





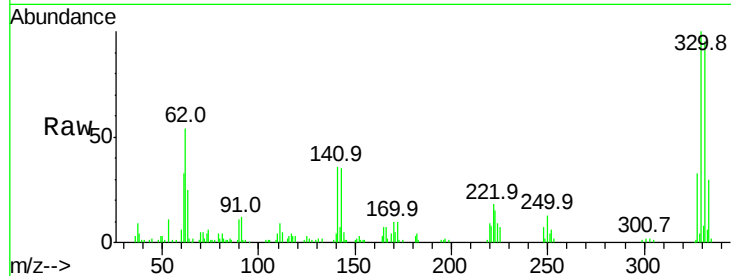
#41
 2,4,6-Tribromophenol
 Concen: 99.38 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Instrument :
 BNA_F
 ClientSampleId :
 TK4-2-20170619

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	37.6	31.4	47.2

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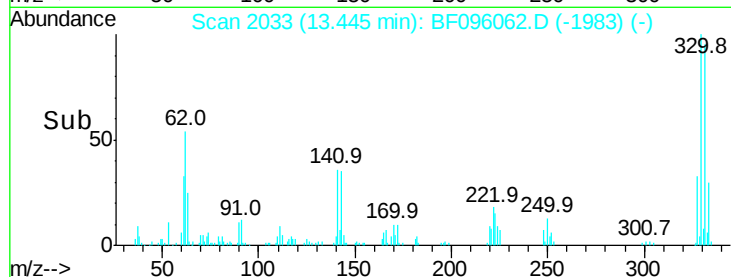
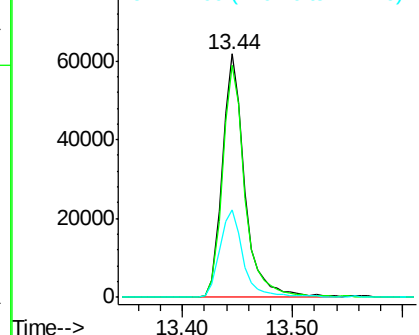


Abundance

Ion 329.80 (329.50 to 330.50): E

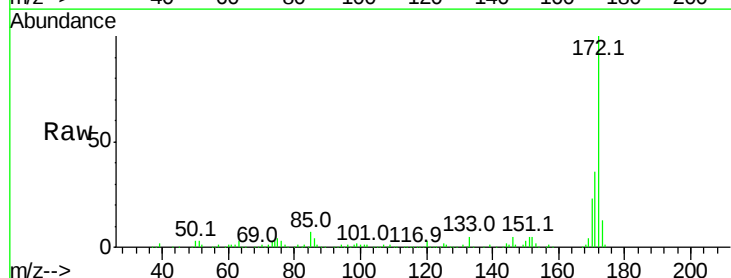
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 73.31 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	22.9	19.8	29.8

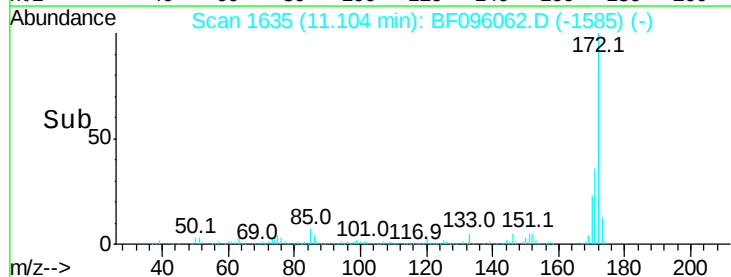
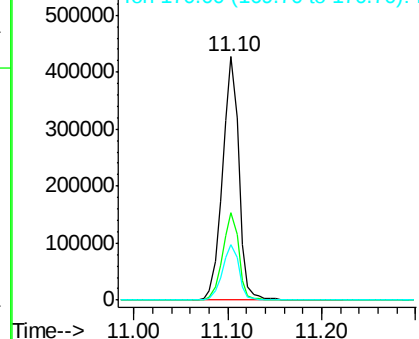


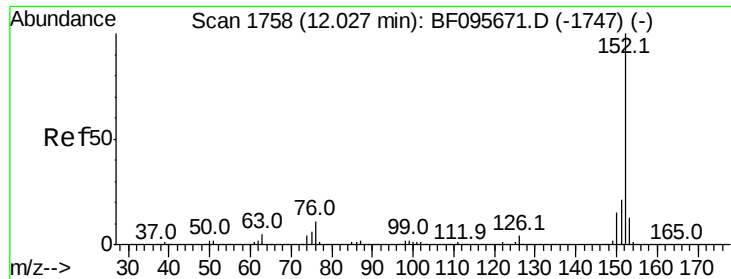
Abundance

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: 3.78 ng

RT: 11.92 min Scan# 1774

Delta R.T. 0.00 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

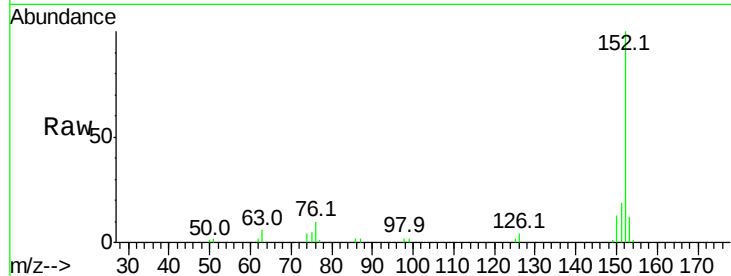
ClientSampleId :

TK4-2-20170619

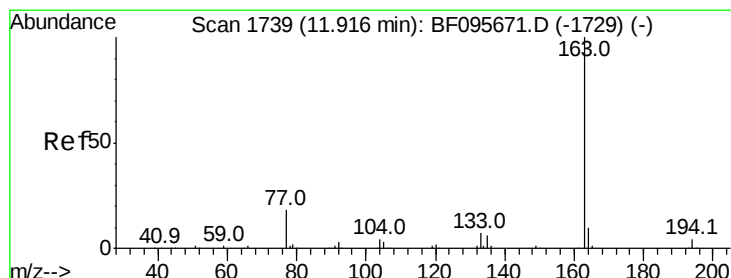
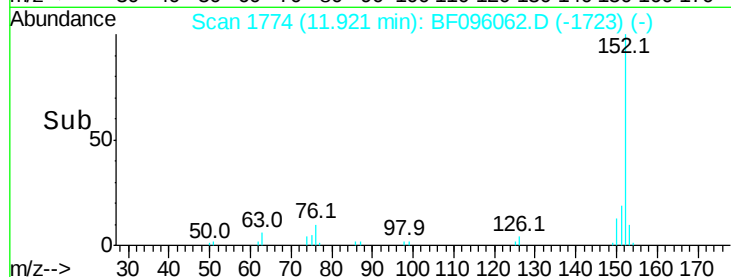
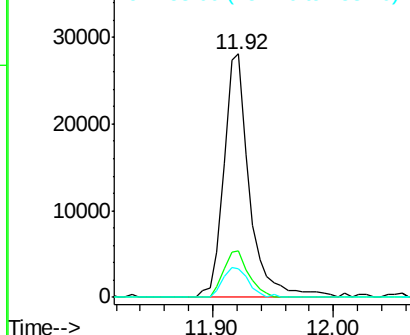
Tot Ion:	152	Resp:	41187
Ion Ratio	Lower	Upper	
152	100		
151	19.1	16.8	25.2
153	11.8	10.8	16.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 15.97 ng

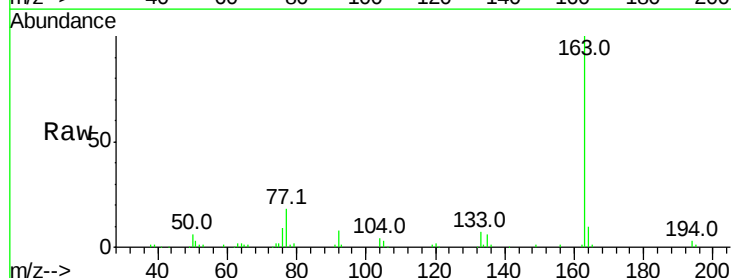
RT: 11.80 min Scan# 1753

Delta R.T. -0.02 min

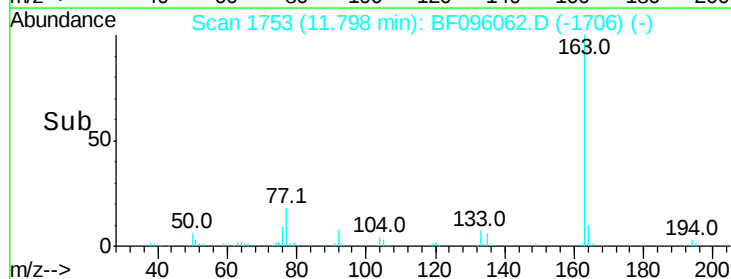
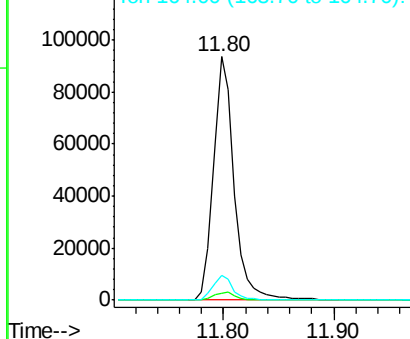
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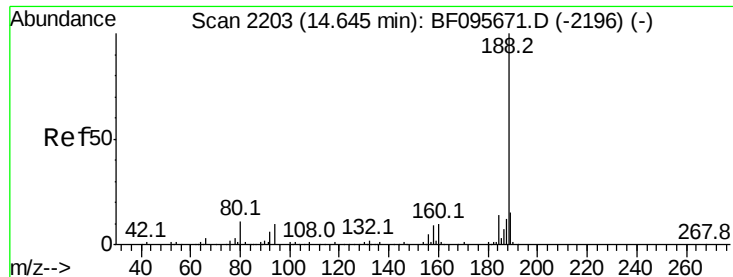
Acq: 21 Jun 2017 00:32

Tgt Ion:	163	Resp:	120122
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	10.3	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





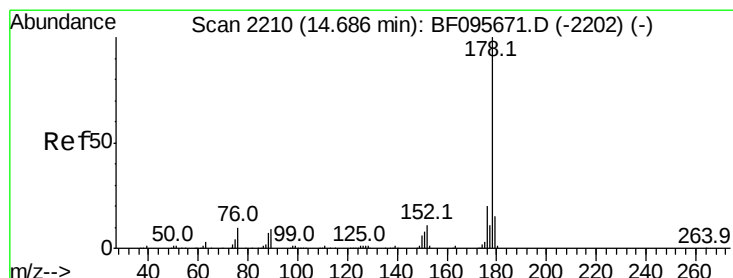
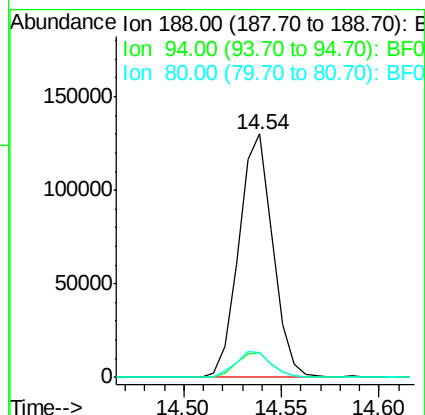
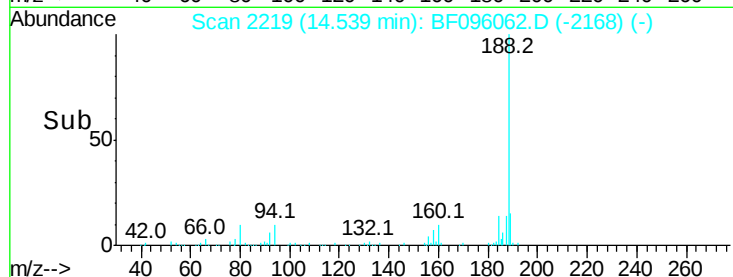
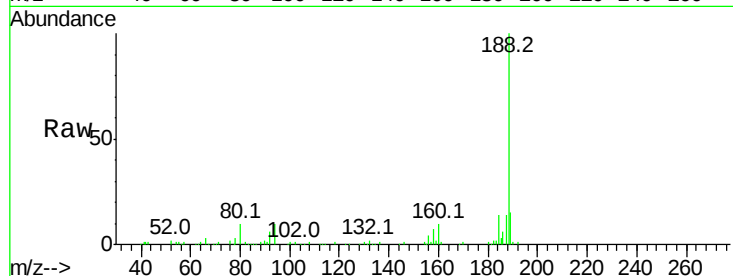
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Instrument :
BNA_F
ClientSampled :
TK4-2-20170619

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	9.4	14.2
80	10.0	10.2	15.2#

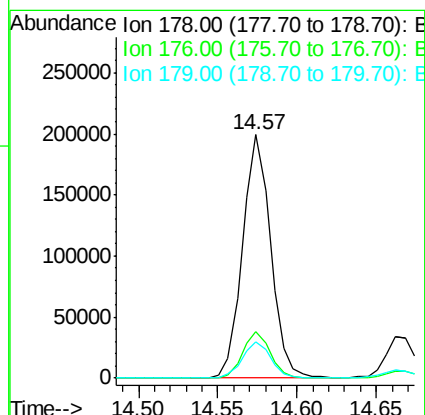
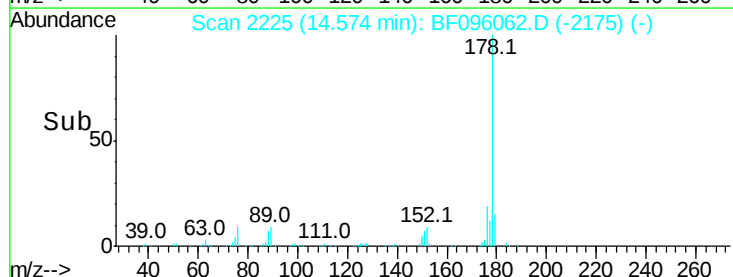
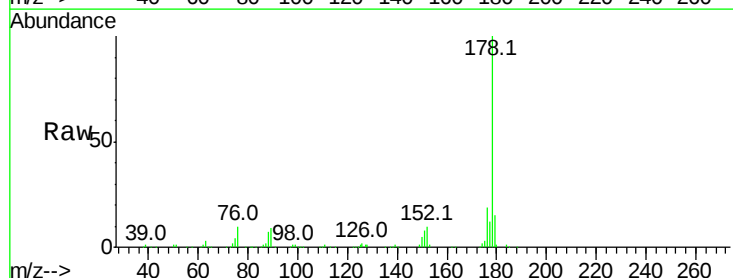
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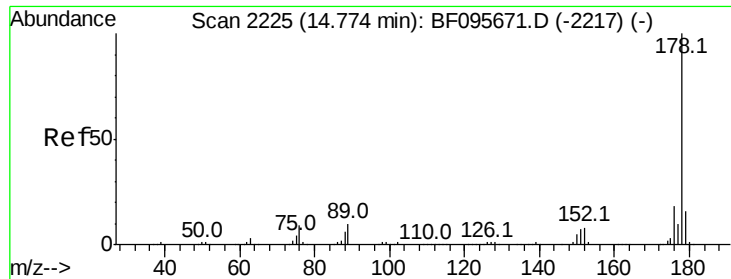
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#70
Phenanthrene
Concen: 27.21 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	16.2	24.4
179	14.9	12.6	19.0





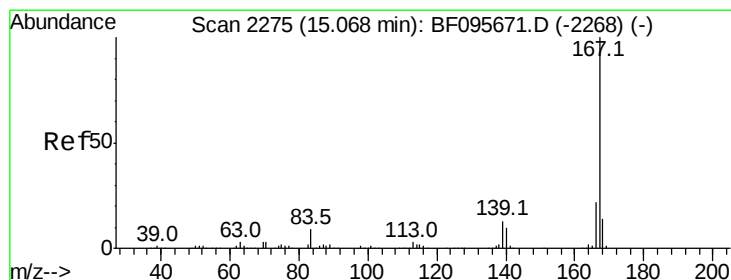
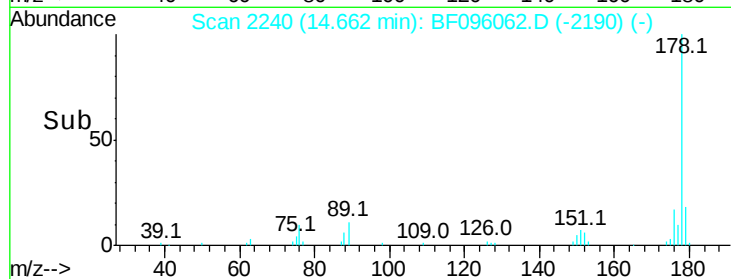
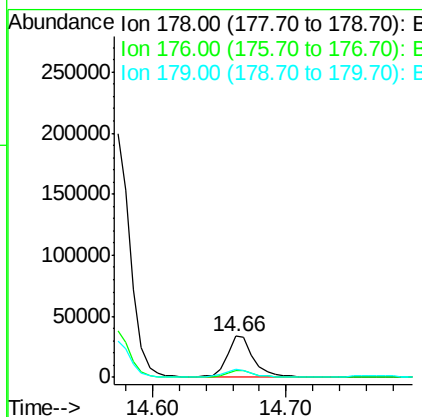
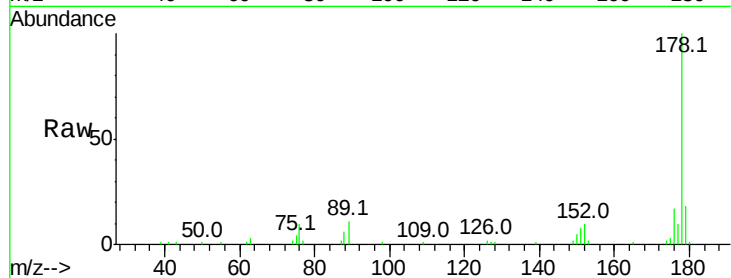
#71
 Anthracene
 Concen: 5.10 ng
 RT: 14.66 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Instrument :
 BNA_F
 ClientSampleId :
 TK4-2-20170619

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	18.2	12.7	19.1

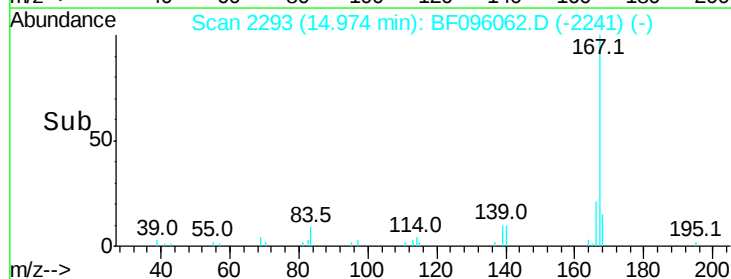
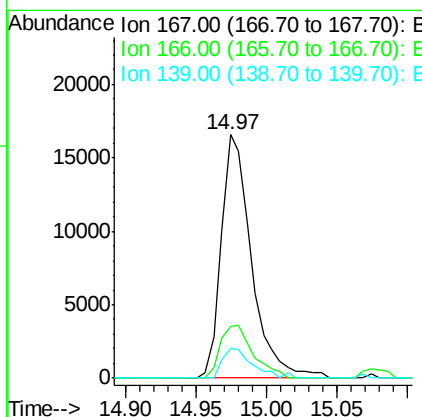
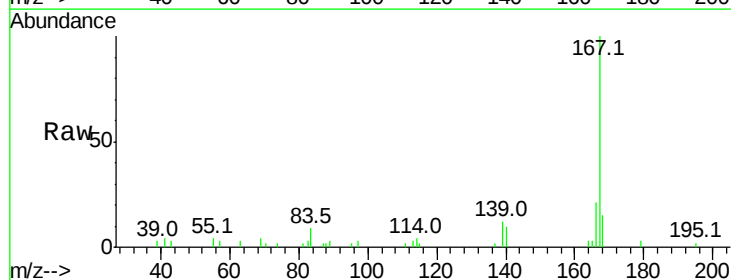
Manual Integrations
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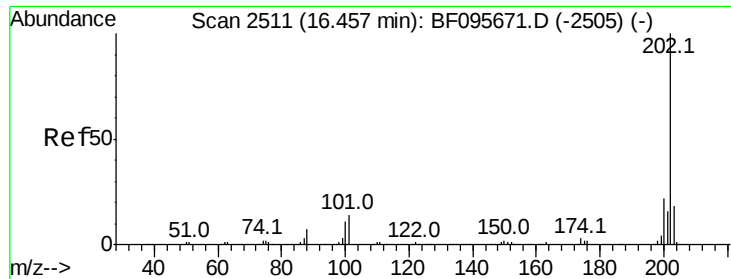
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#72
 Carbazole
 Concen: 2.69 ng
 RT: 14.97 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.1	27.1
139	12.3	11.7	17.5





#74

Fluoranthene

Concen: 42.93 ng

RT: 16.37 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

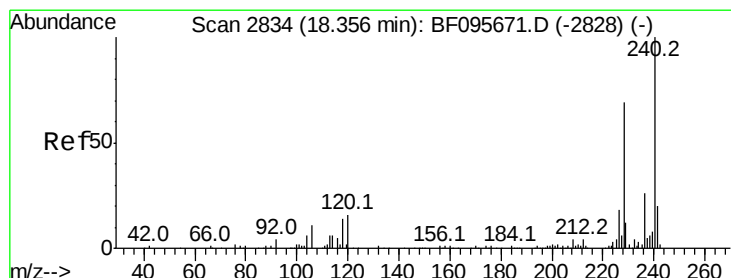
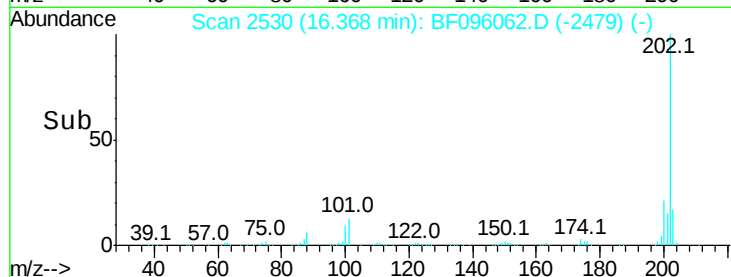
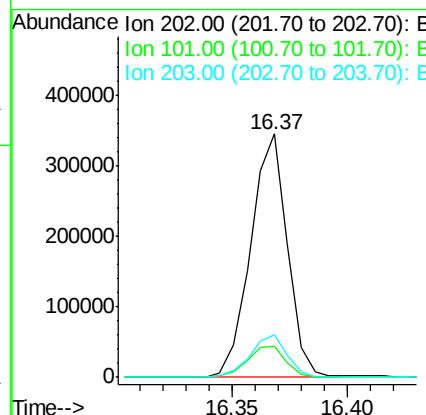
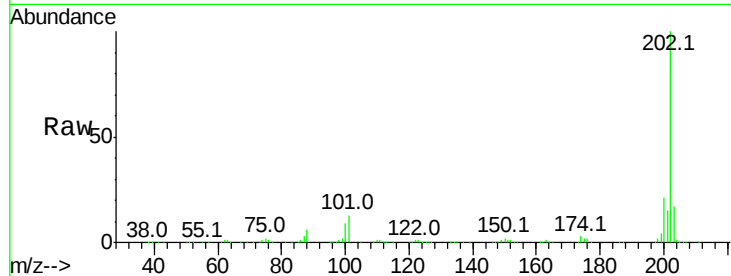
ClientSampleId :

TK4-2-20170619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	383850		
101	13.0	0.0	33.2	
203	17.3	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

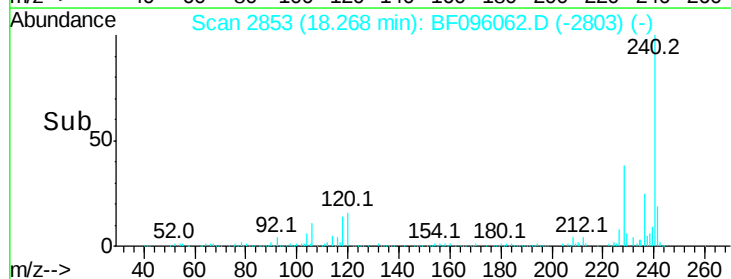
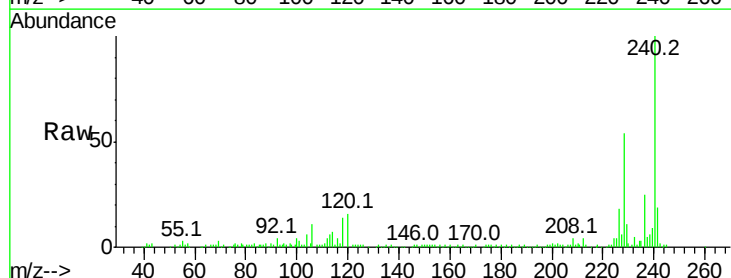
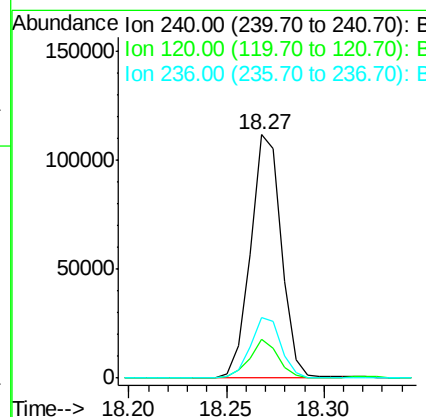
RT: 18.27 min Scan# 2853

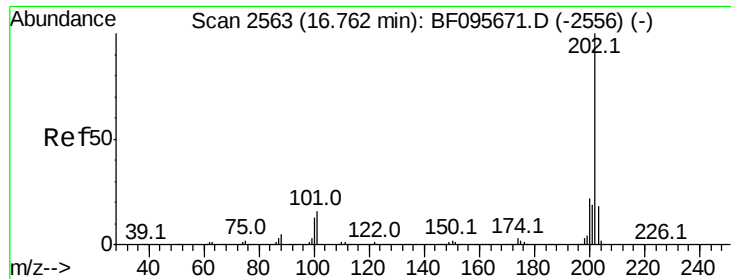
Delta R.T. -0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	122536		
120	16.1	5.8	8.8#	
236	25.1	20.5	30.7	





#77

Pvrene

Concen: 42.28 ng

RT: 16.67 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

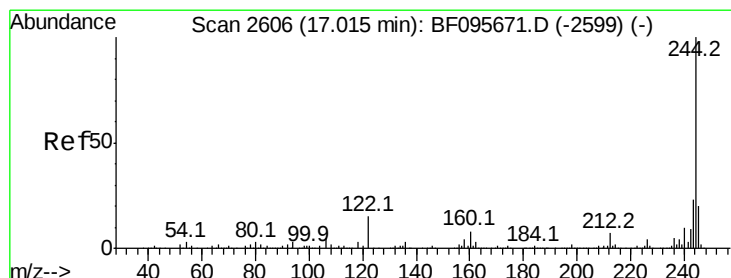
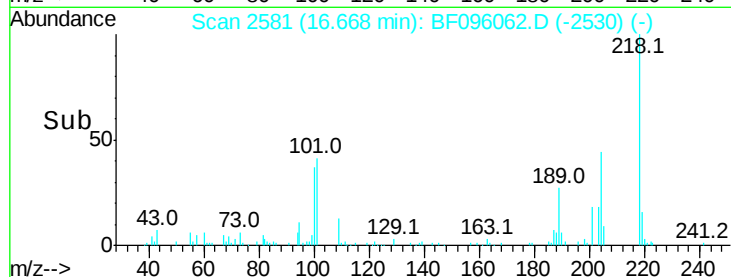
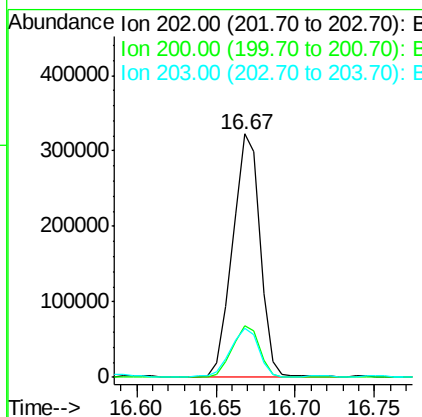
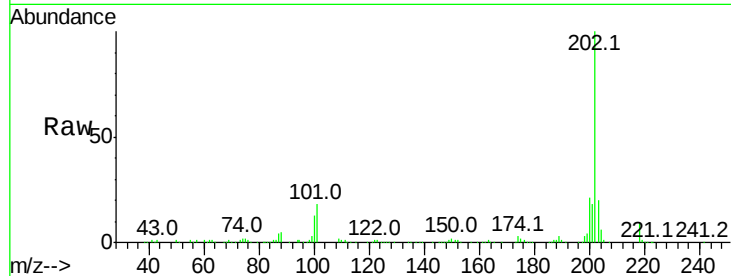
ClientSampleId :

TK4-2-20170619

Tot Ion:	202	Resp:	386557
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.6	26.4
203	20.2	14.4	21.6

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#78

Terphenyl-d14

Concen: 63.71 ng

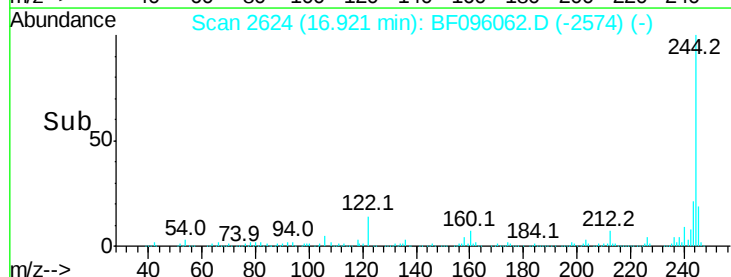
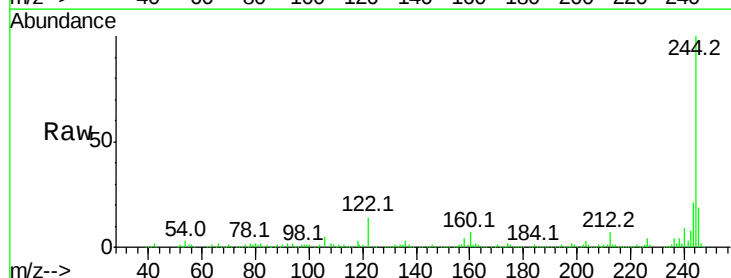
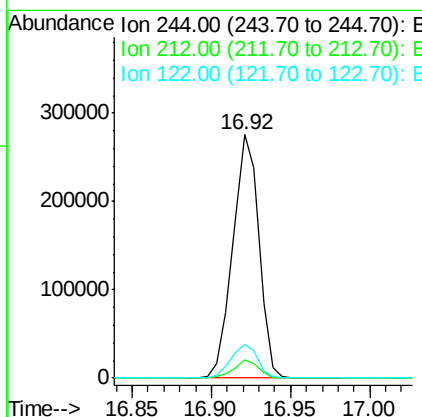
RT: 16.92 min Scan# 2624

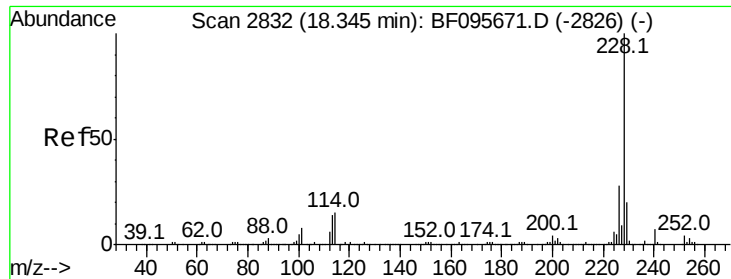
Delta R.T. -0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Tgt Ion:	244	Resp:	314553
Ion Ratio		Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.9	10.3	15.5





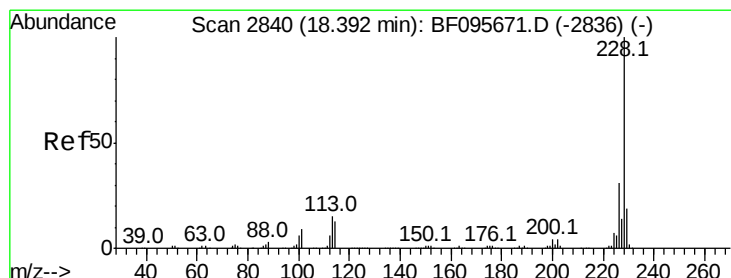
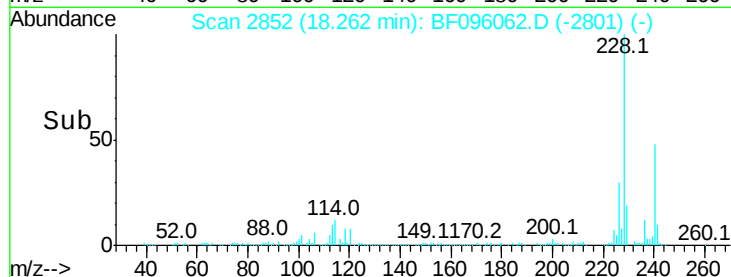
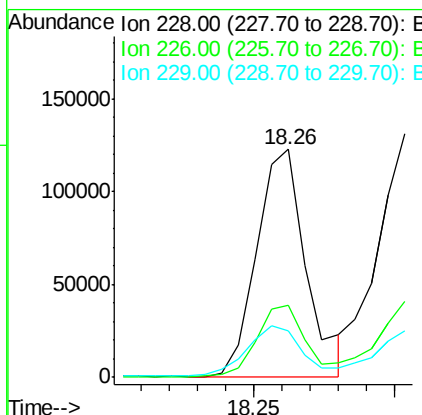
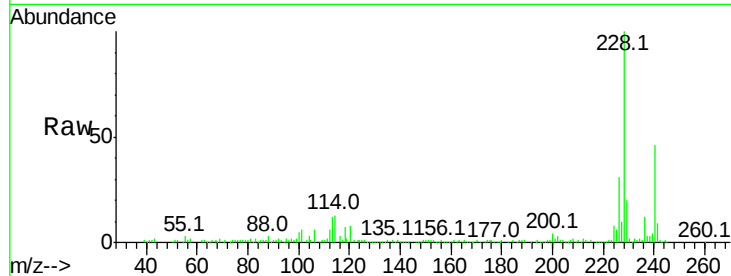
#80
Benzo(a)anthracene
Concen: 20.90 ng
RT: 18.26 min Scan# 2852
Delta R.T. 0.00 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Instrument :
BNA_F
ClientSampleId :
TK4-2-20170619

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.6	33.8
229	20.2	16.3	24.5

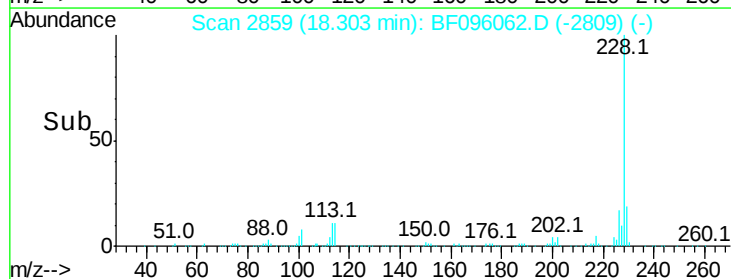
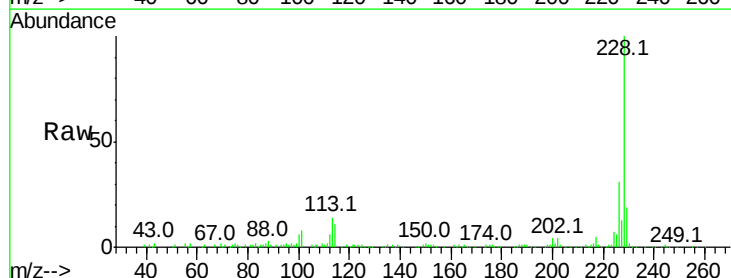
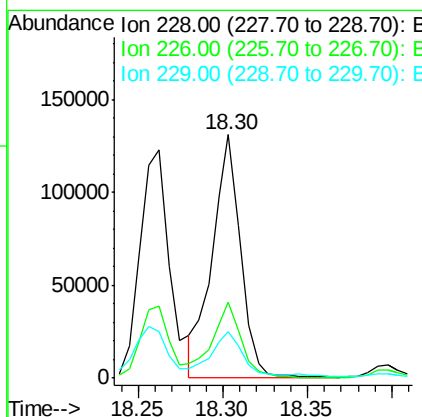
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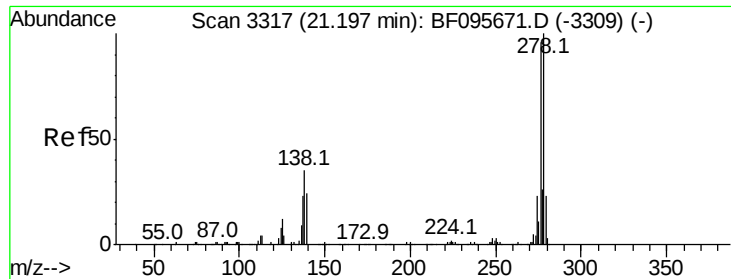
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#82
Chrysene
Concen: 21.52 ng
RT: 18.30 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	19.3	15.8	23.6





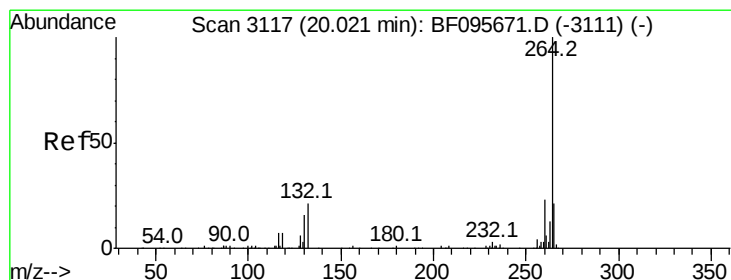
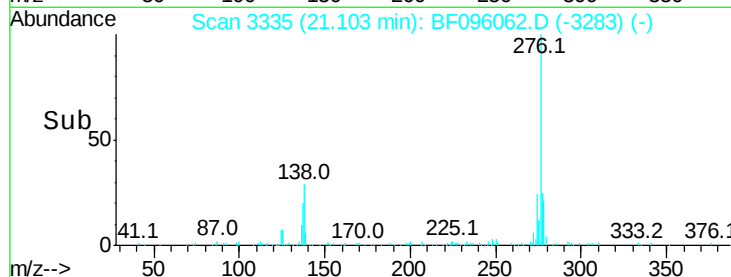
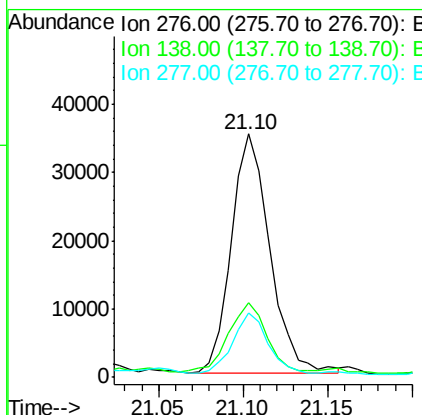
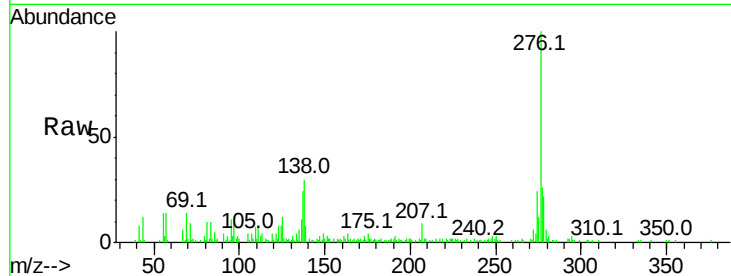
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.09 ng
 RT: 21.10 min Scan# 3335
 Delta R.T. 0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Instrument :
 BNA_F
 ClientSampleId :
 TK4-2-20170619

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.4	27.8	41.6
277	24.0	20.2	30.4

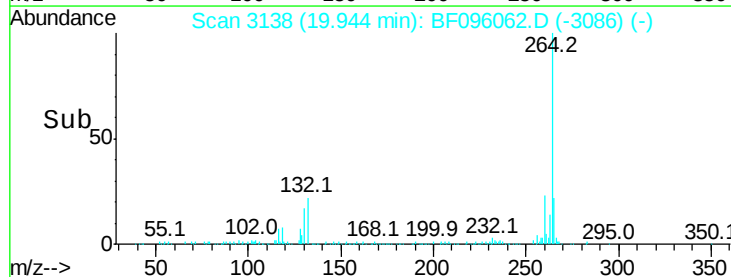
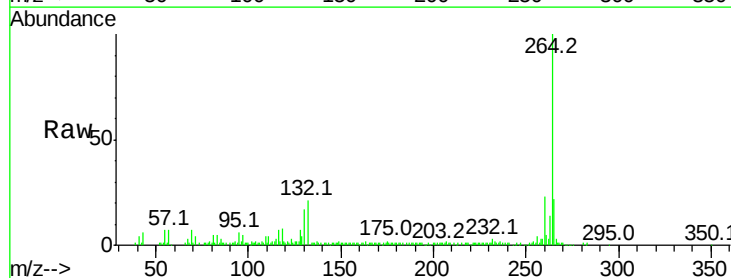
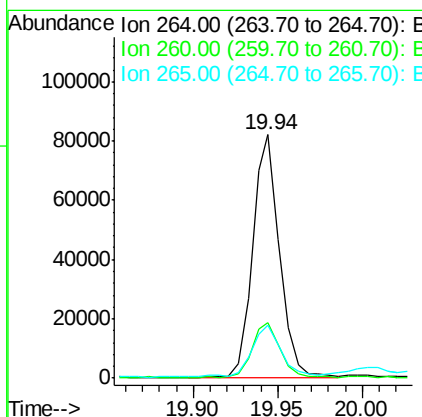
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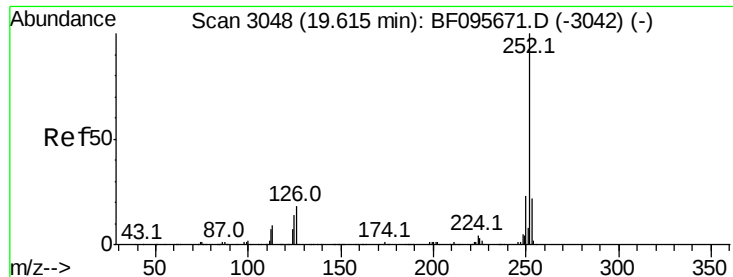
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 19.94 min Scan# 3138
 Delta R.T. 0.01 min
 Lab File: BF096062.D
 Acq: 21 Jun 2017 00:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 25.57 ng m

RT: 19.54 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

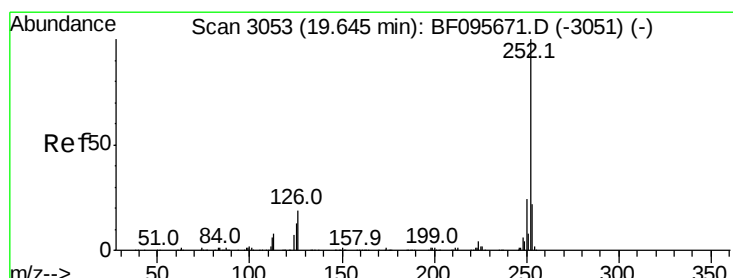
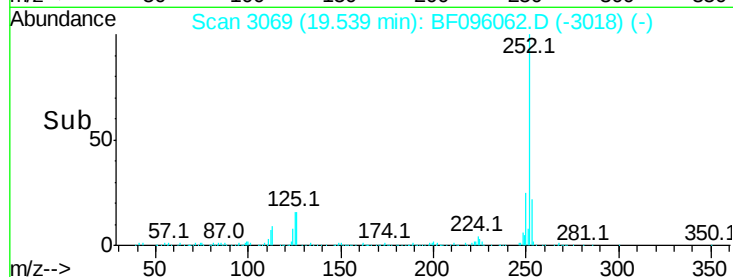
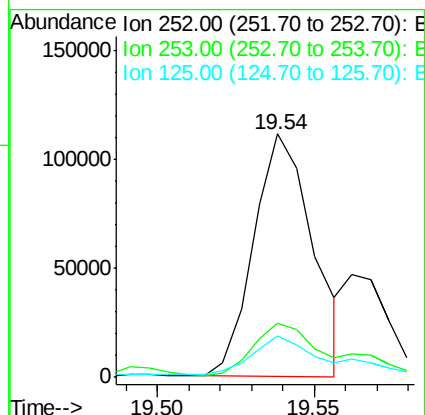
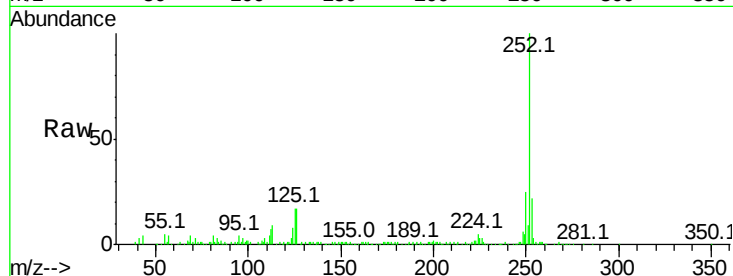
ClientSampleId :

TK4-2-20170619

Tot Ion:	252	Resp:	145970
Ion Ratio	Lower	Upper	
252	100		
253	22.0	18.1	27.1
125	16.8	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 8.44 ng m

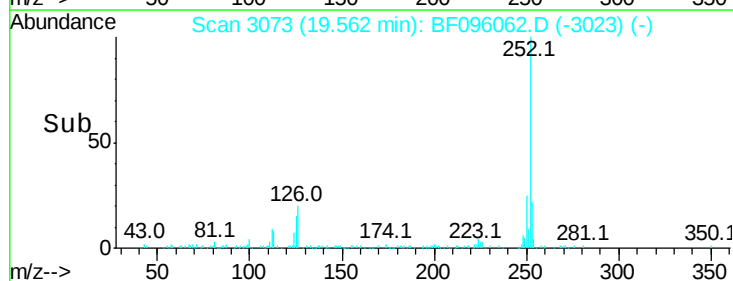
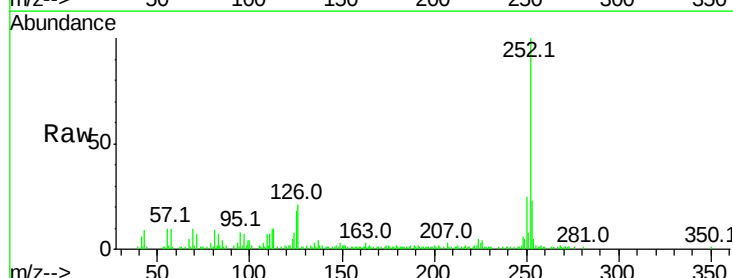
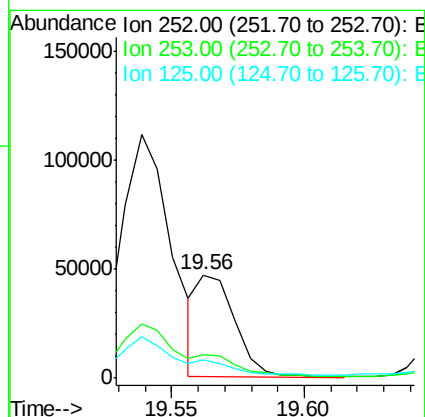
RT: 19.56 min Scan# 3073

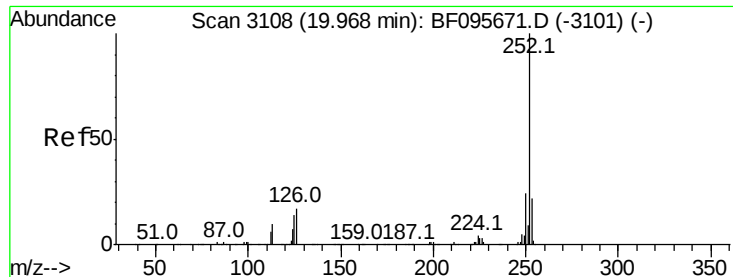
Delta R.T. -0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Tgt Ion:	252	Resp:	46069
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.4	27.6
125	18.0	13.1	19.7





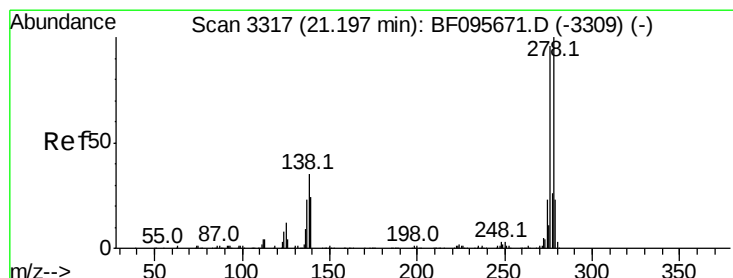
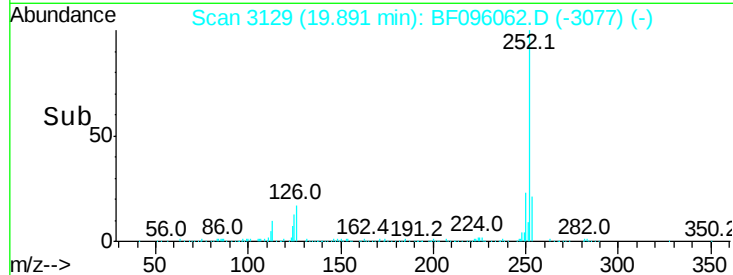
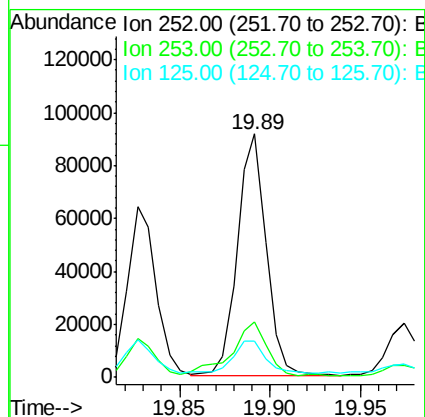
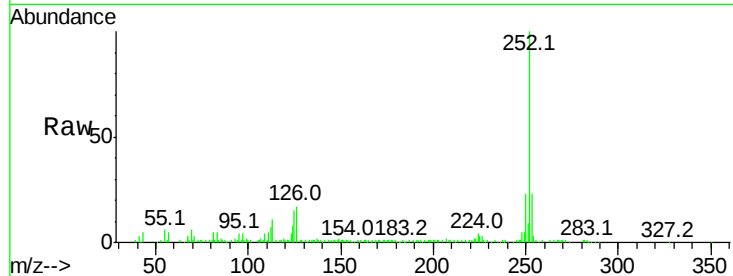
#89
Benzo(a)pyrene
Concen: 19.24 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Instrument :
BNA_F
ClientSampleId :
TK4-2-20170619

Tot Ion:	252	Resp:	100963
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	15.1	11.0	16.4

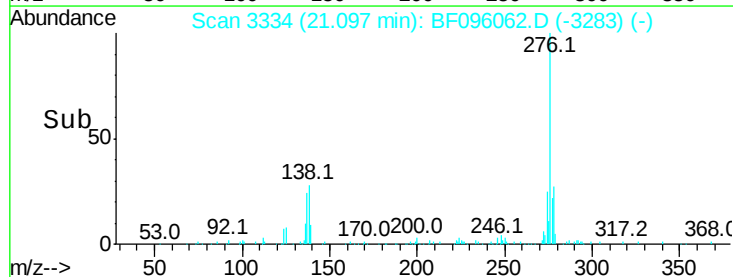
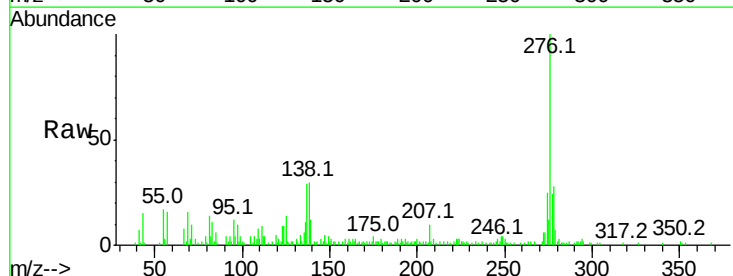
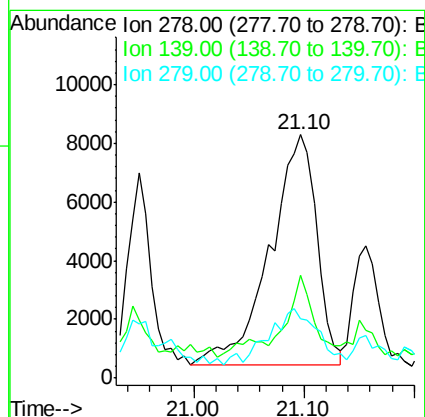
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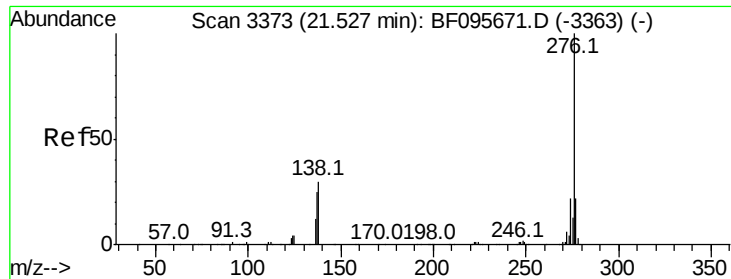
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#90
Dibenzo(a,h)anthracene
Concen: 5.15 ng
RT: 21.10 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BF096062.D
Acq: 21 Jun 2017 00:32

Tgt Ion:	278	Resp:	22933
Ion Ratio	Lower	Upper	
278	100		
139	42.4	16.6	24.8#
279	24.4	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 11.96 ng

RT: 21.43 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF096062.D

Acq: 21 Jun 2017 00:32

Instrument :

BNA_F

ClientSampleId :

TK4-2-20170619

Tot Ion: 276 Resp: 54288

Ion Ratio Lower Upper

276 100

277 24.9 18.6 28.0

138 32.1 25.4 38.0

Manual Integrations

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