

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096059.D
 Acq On : 20 Jun 2017 22:56
 Operator : SJ/MA
 Sample : I3782-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619

Manual Integrations
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mohammad
 6/21/2017 2:17:03 PM

Quant Time: Jun 21 02:09:07 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	70568	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	271041	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	101827	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	162945	20.00	ng	0.00
75) Chrysene-d12	18.27	240	130262	20.00	ng	0.00
86) Perylene-d12	19.94	264	93322	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	471720	106.52	ng	0.00
7) Phenol-d6	6.87	99	549742	103.69	ng	0.00
23) Nitrobenzene-d5	8.21	82	294587	67.50	ng	-0.01
41) 2,4,6-Tribromophenol	13.44	330	80643	89.51	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	489328	66.87	ng	0.00
78) Terphenyl-d14	16.92	244	312229	59.49	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	11.92	152	71647	6.39	ng	99
49) Dimethylphthalate	11.80	163	106652	13.79	ng	98
57) Fluorene	13.04	166	19221	2.42	ng	100
70) Phenanthrene	14.57	178	197596	21.02	ng	97
71) Anthracene	14.66	178	72180	7.35	ng	97
74) Fluoranthene	16.36	202	301118	32.36	ng	99
77) Pyrene	16.67	202	301428	31.01	ng	97
80) Benzo(a)anthracene	18.26	228	139835m	18.46	ng	
82) Chrysene	18.30	228	120427	15.91	ng	97
85) Indeno(1,2,3-cd)pyrene	21.10	276	50644	7.82	ng	97
87) Benzo(b)fluoranthene	19.54	252	128277m	21.95	ng	
88) Benzo(k)fluoranthene	19.56	252	39953m	7.15	ng	
89) Benzo(a)pyrene	19.89	252	94487	17.59	ng	98
90) Dibenzo(a,h)anthracene	21.10	278	18302	4.02	ng	# 83
91) Benzo(a,h,i)perylene	21.43	276	55435	11.94	ng	97

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

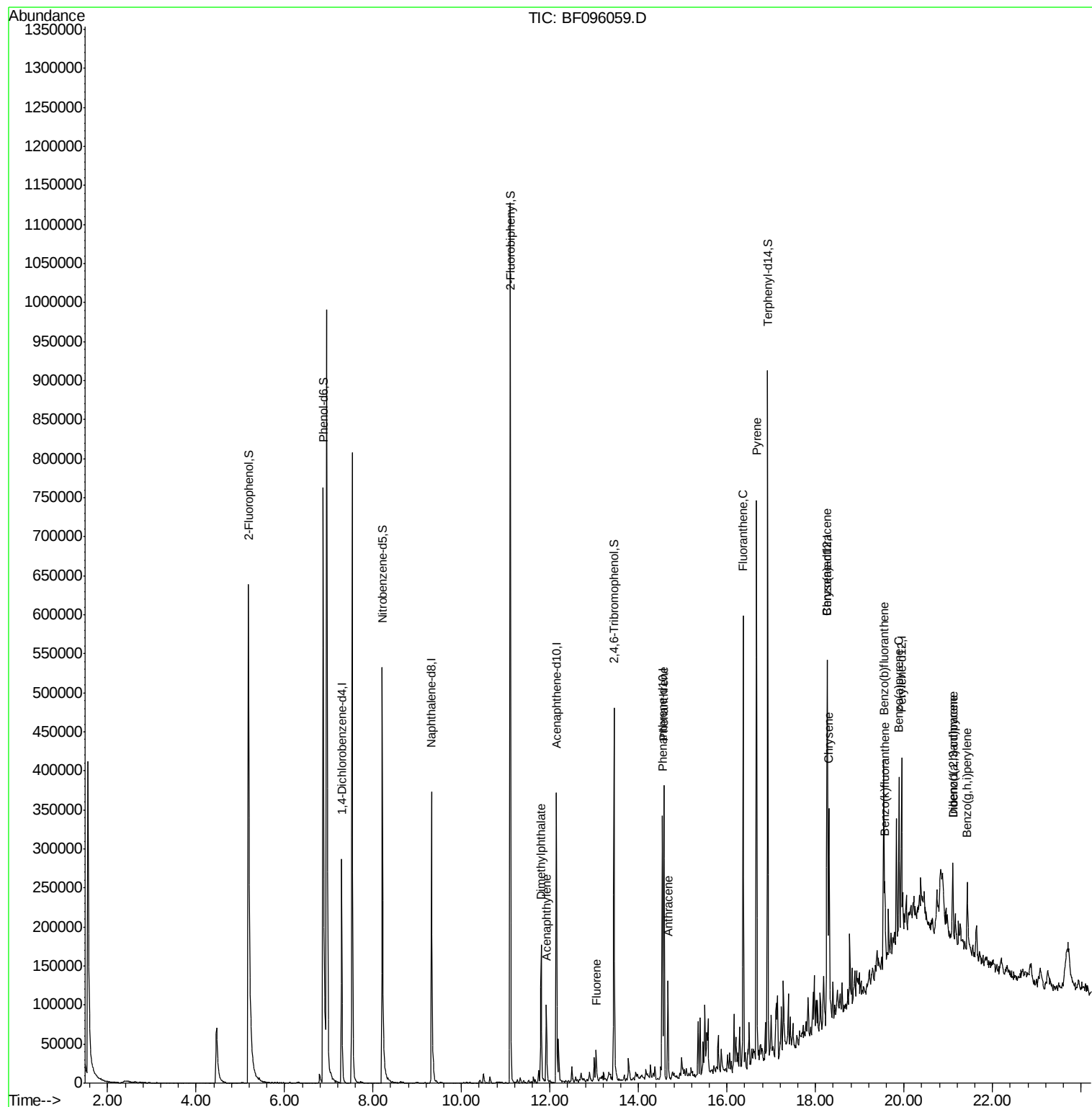
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
Data File : BF096059.D
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ALS Vial : 18 Sample Multiplier: 1

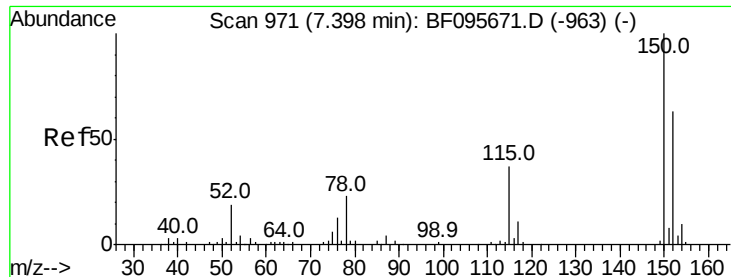
Instrument :
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Quant Time: Jun 21 02:09:07 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

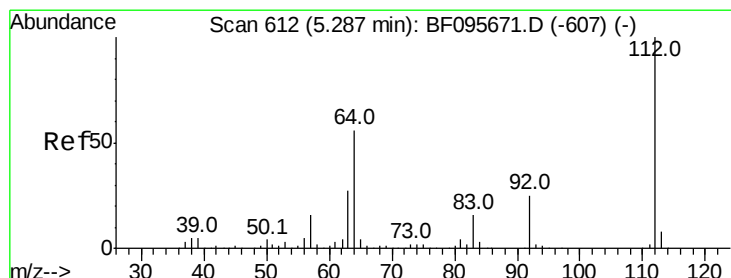
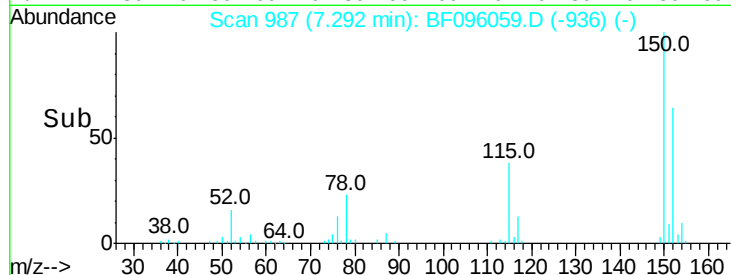
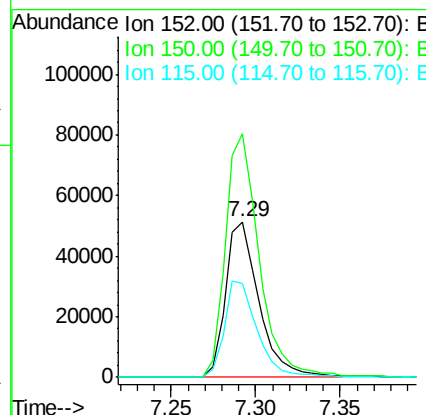
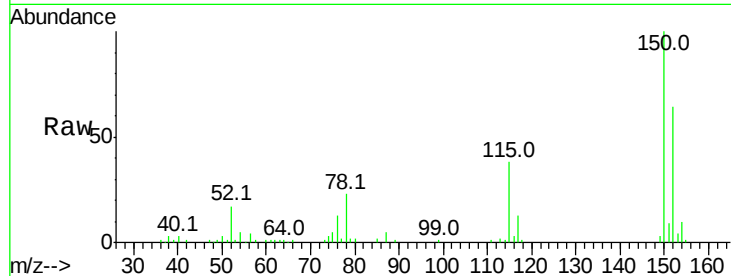
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	126.2	189.2
115	60.2	52.2	78.2

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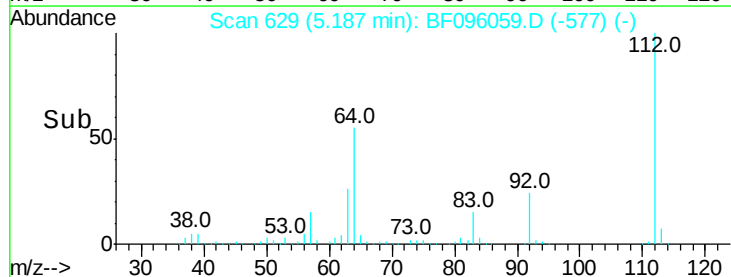
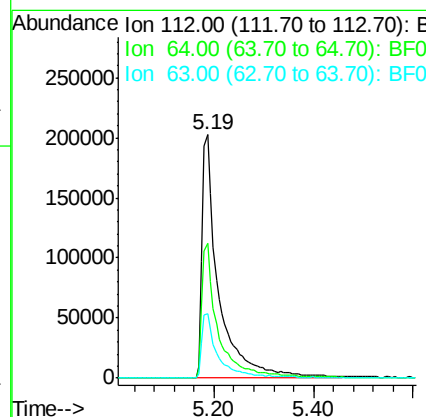
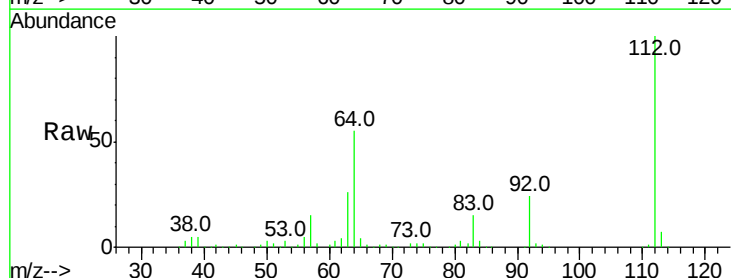
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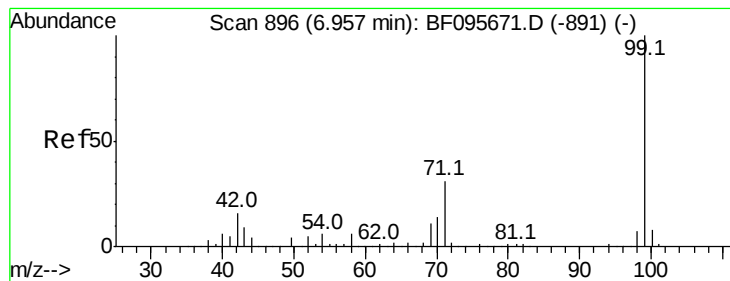


#5

2-Fluorophenol
Concen: 106.52 ng
RT: 5.19 min Scan# 629
Delta R.T. 0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	46.0	69.0
63	26.2	23.4	35.0





#7

Phenol-d6

Concen: 103.69 ng

RT: 6.87 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF096059.D

Acq: 20 Jun 2017 22:56

Instrument :

BNA_F

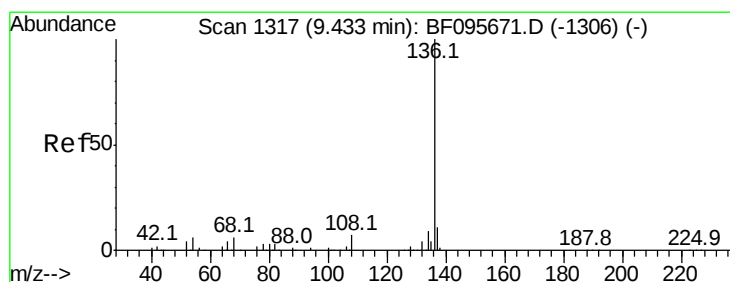
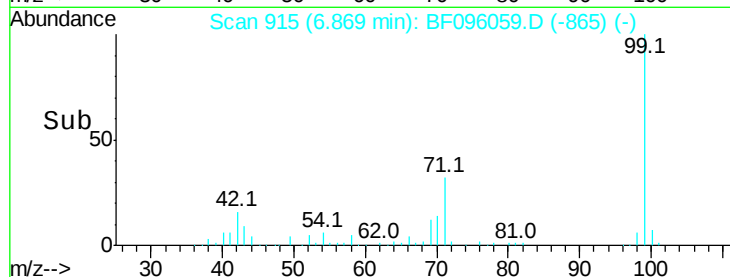
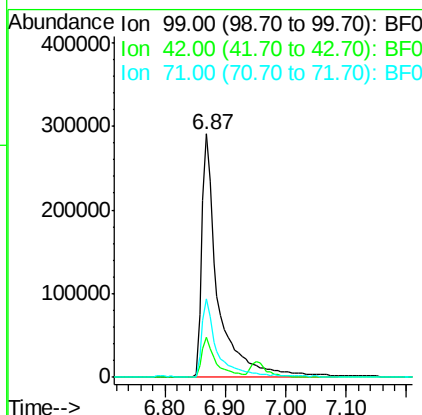
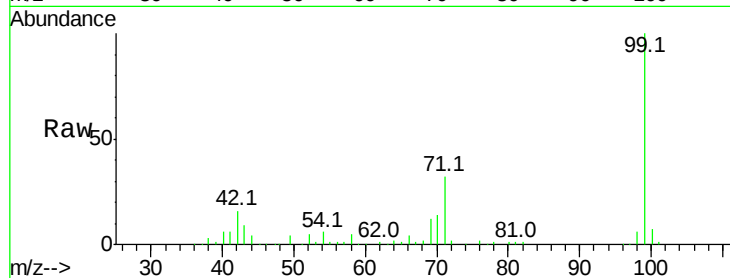
ClientSampleId :

TK4-1-20170619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		549742		
42	16.3	13.5	20.3		
71	32.1	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

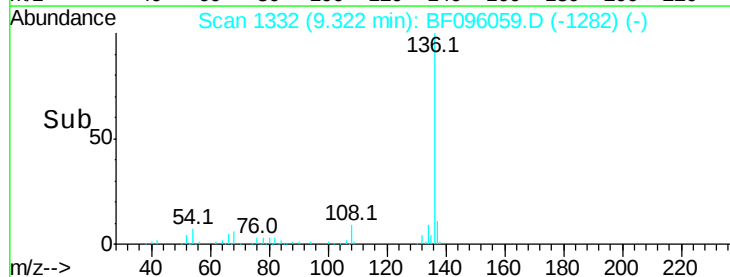
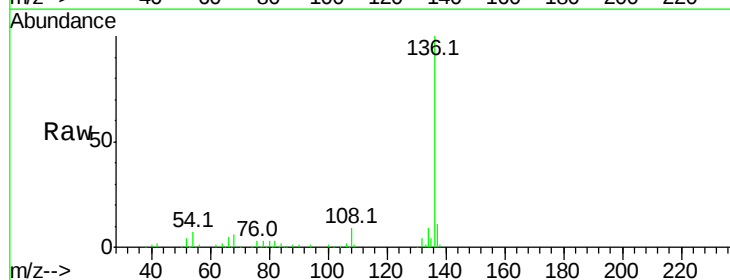
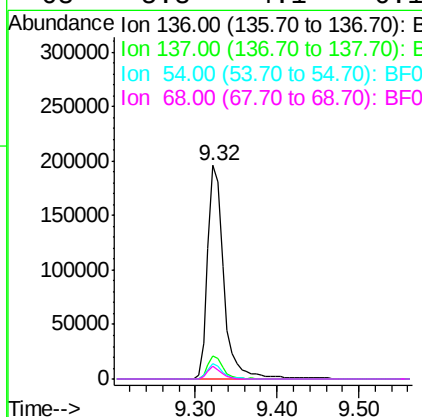
RT: 9.32 min Scan# 1332

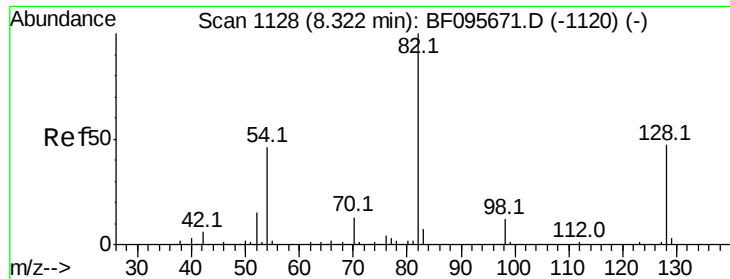
Delta R.T. -0.01 min

Lab File: BF096059.D

Acq: 20 Jun 2017 22:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		271041		
137	10.9	8.5	12.7		
54	7.2	4.9	7.3		
68	5.8	4.1	6.1		





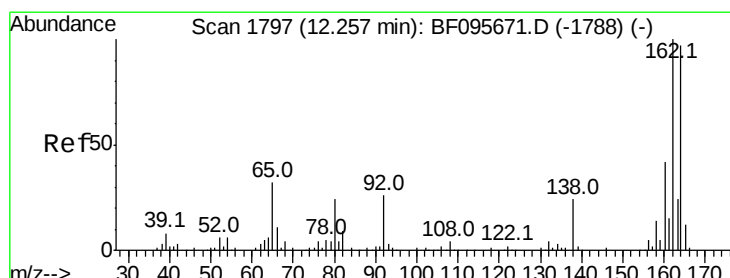
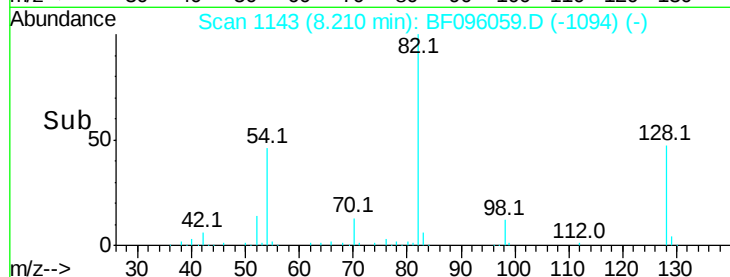
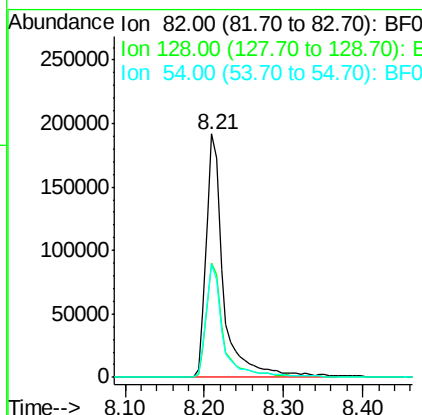
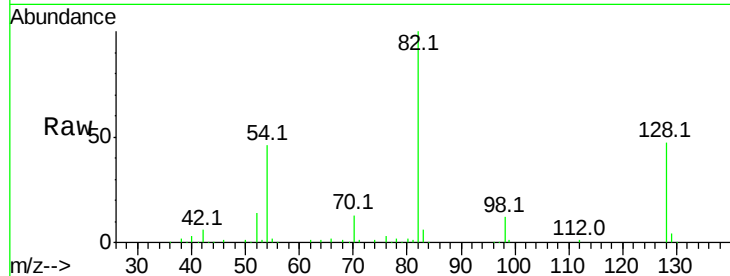
#23
Nitrobenzene-d5
Concen: 67.50 ng
RT: 8.21 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	34.0	51.0
54	46.3	42.2	63.2

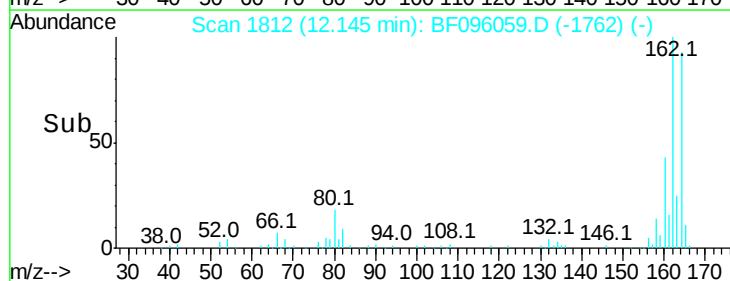
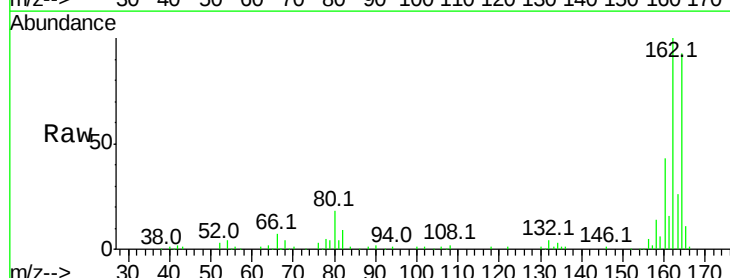
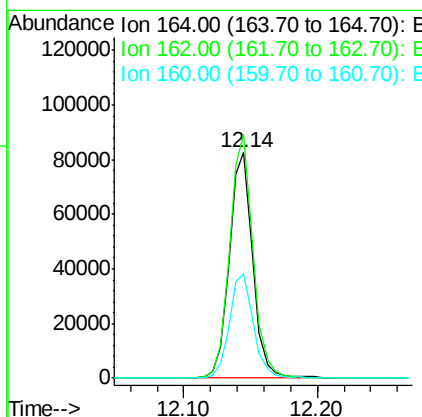
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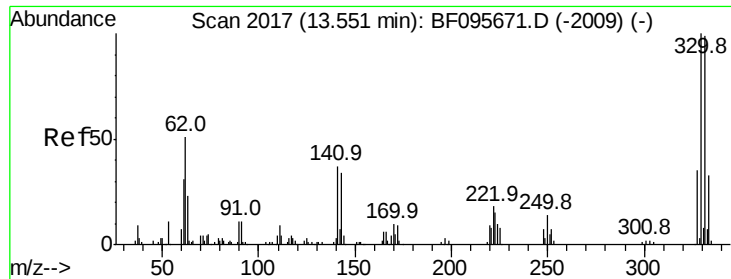
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.14 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.9	82.6	123.8
160	46.3	36.2	54.2





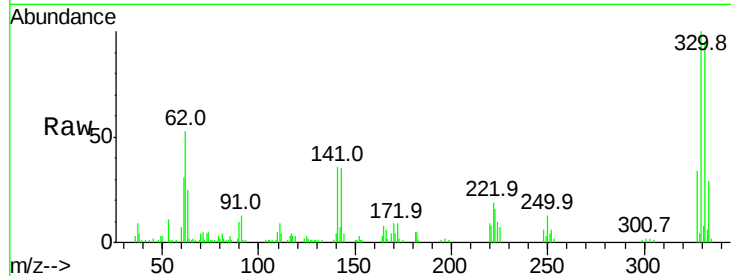
#41
 2,4,6-Tribromophenol
 Concen: 89.51 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096059.D
 Acq: 20 Jun 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 TK4-1-20170619

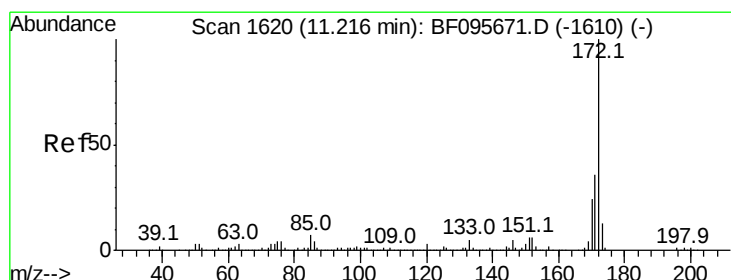
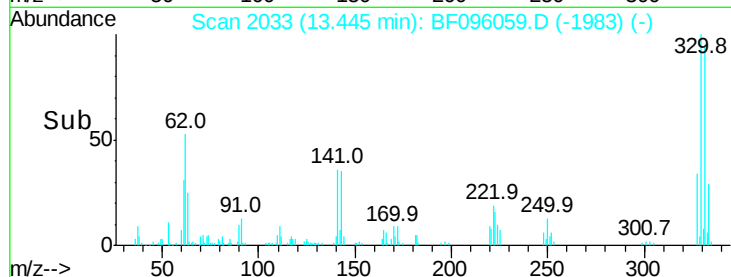
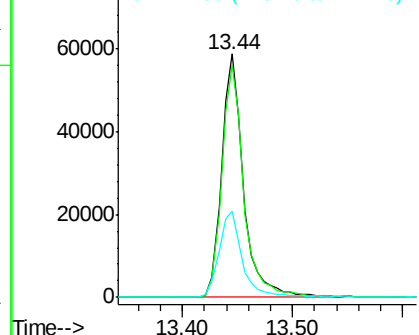
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	37.5	31.4	47.2

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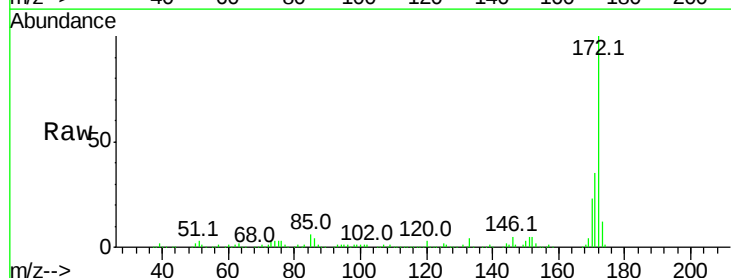


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

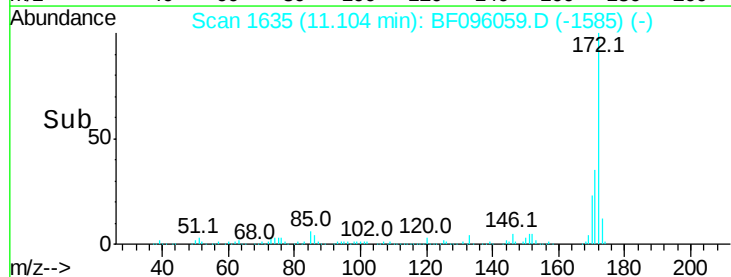
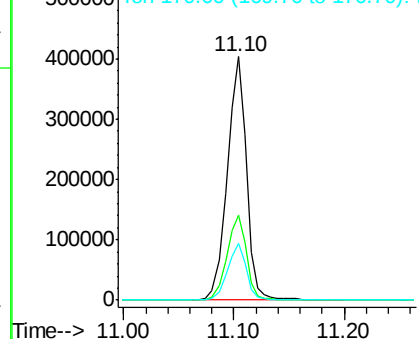


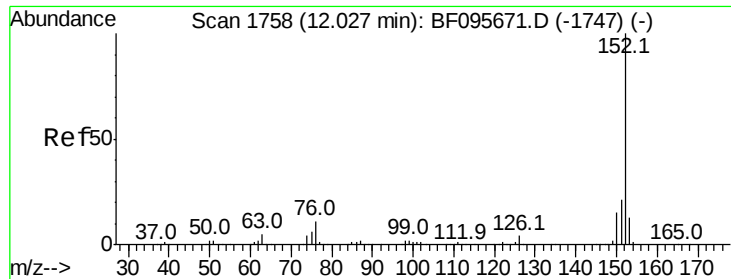
#44
 2-Fluorobiphenyl
 Concen: 66.87 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096059.D
 Acq: 20 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	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





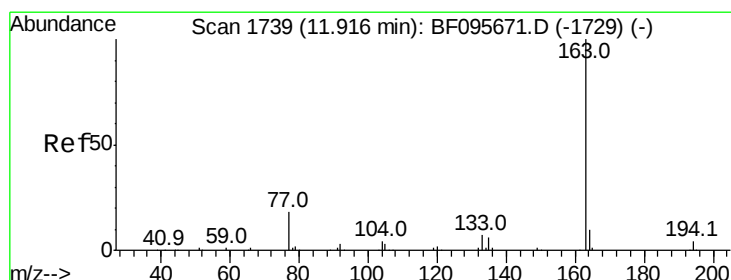
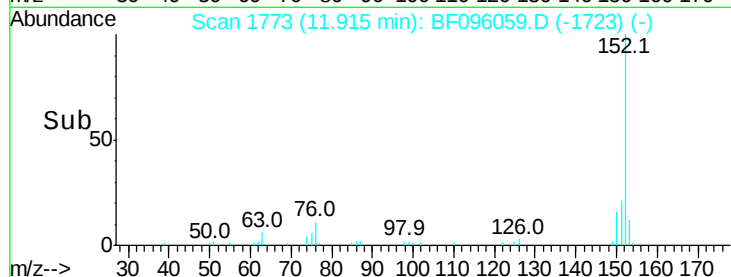
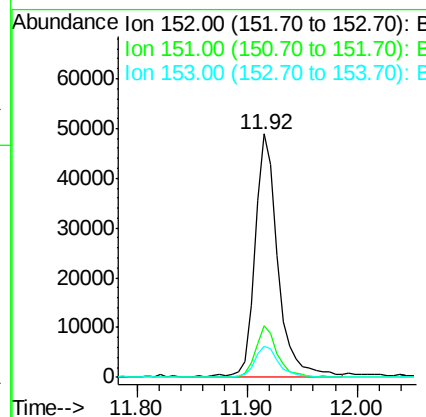
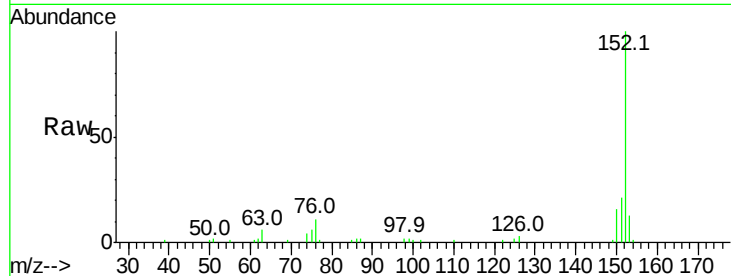
#48
Acenaphthylene
Concen: 6.39 ng
RT: 11.92 min Scan# 1773
Delta R.T. -0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.8	25.2
153	12.9	10.8	16.2

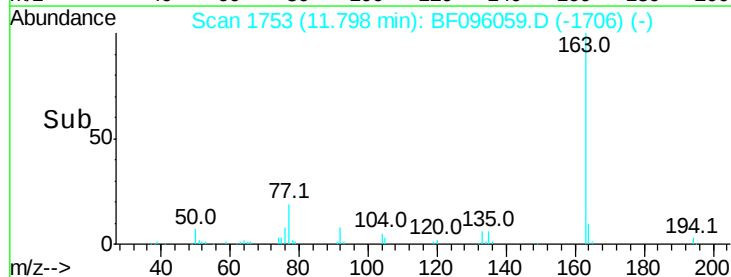
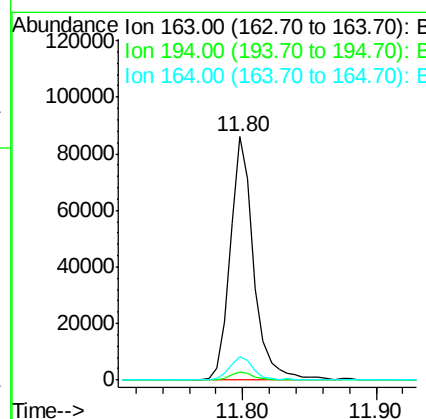
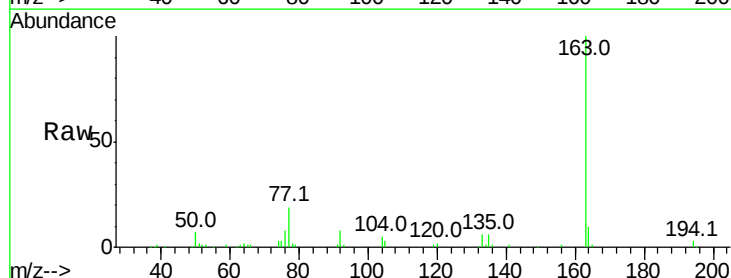
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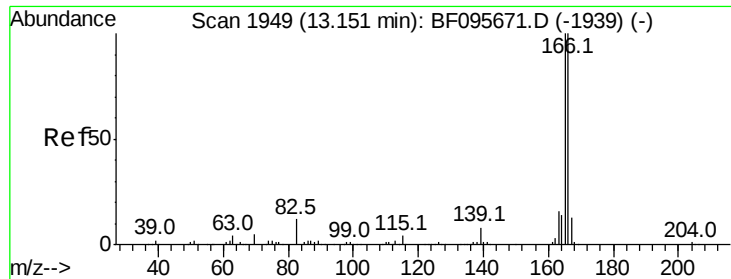
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#49
Dimethylphthalate
Concen: 13.79 ng
RT: 11.80 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.8	8.4	12.6





#57

Fluorene

Concen: 2.42 ng

RT: 13.04 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BF096059.D

Acq: 20 Jun 2017 22:56

Instrument :

BNA_F

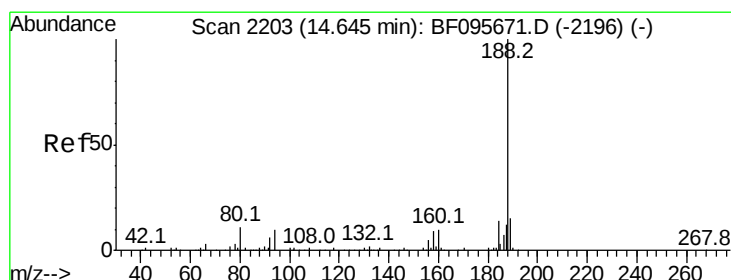
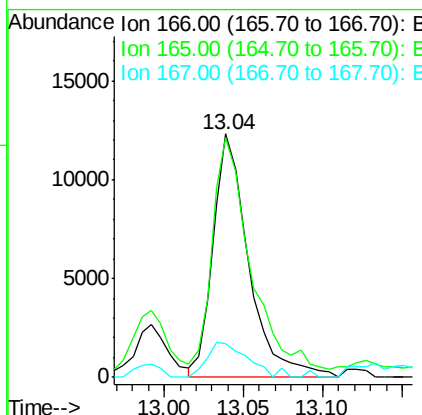
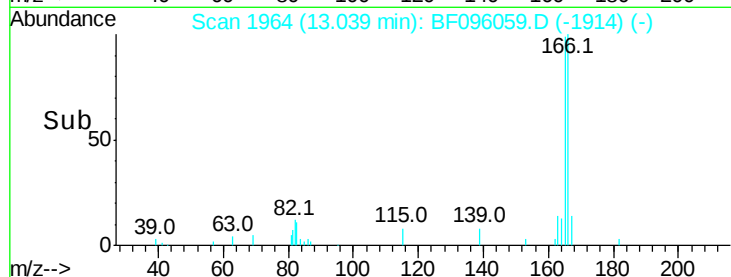
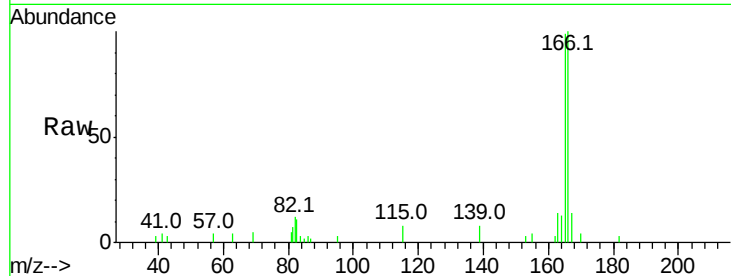
ClientSampleId :

TK4-1-20170619

Tot Ion:	166	Resp:	19221
Ion Ratio	Lower	Upper	
166	100		
165	98.6	78.8	118.2
167	13.8	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

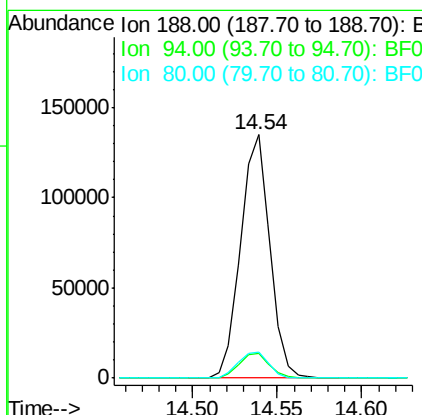
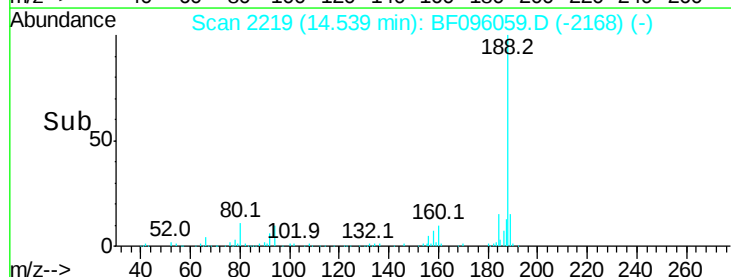
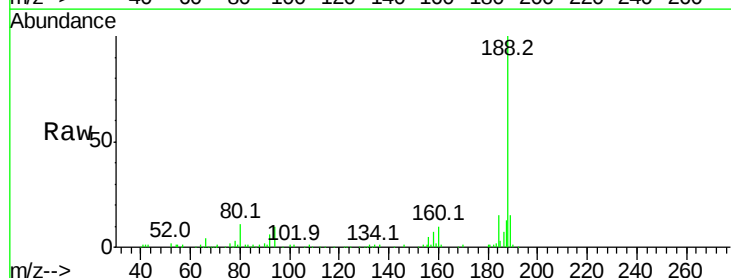
RT: 14.54 min Scan# 2219

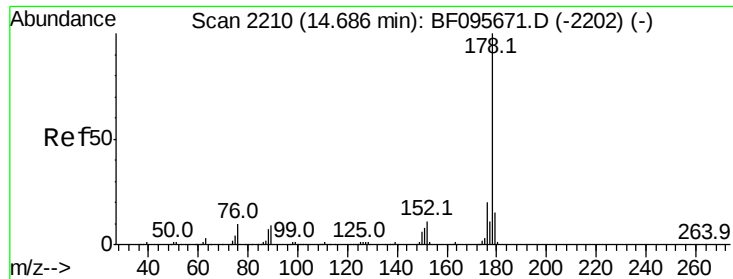
Delta R.T. 0.00 min

Lab File: BF096059.D

Acq: 20 Jun 2017 22:56

Tgt Ion:	188	Resp:	162945
Ion Ratio	Lower	Upper	
188	100		
94	10.0	9.4	14.2
80	10.9	10.2	15.2





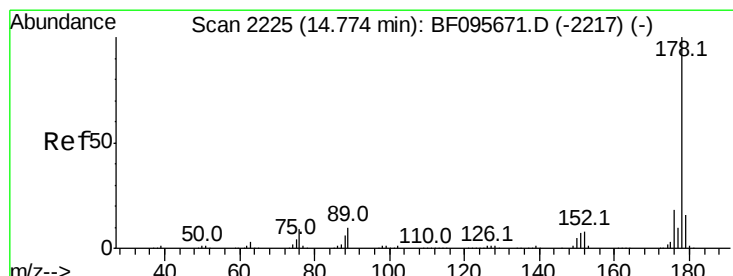
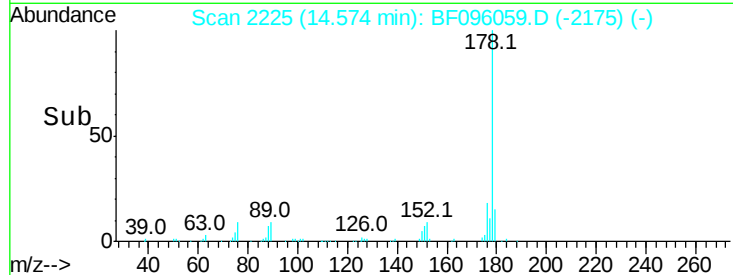
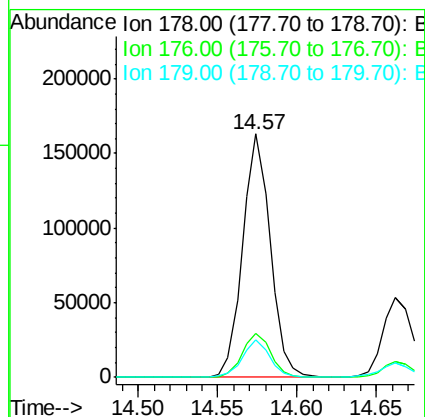
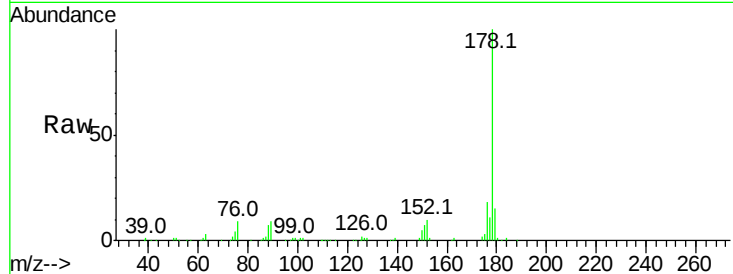
#70
Phenanthrene
Concen: 21.02 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.2	24.4
179	15.3	12.6	19.0

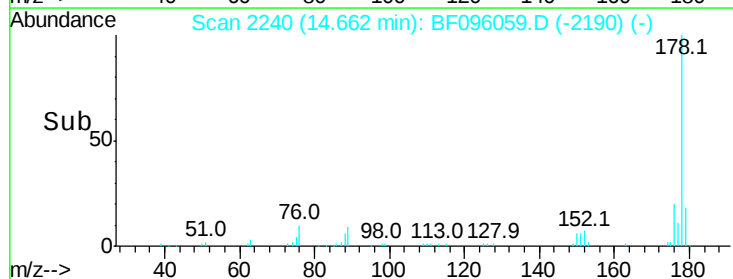
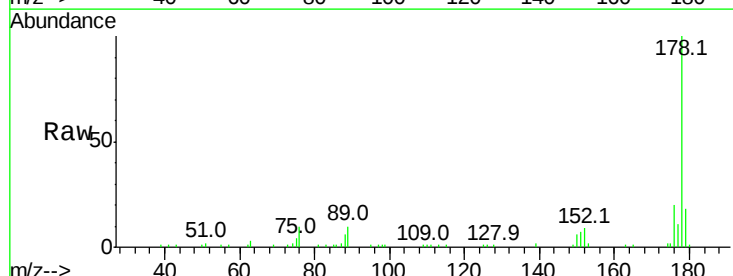
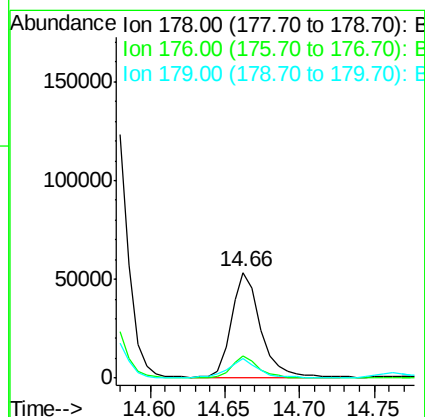
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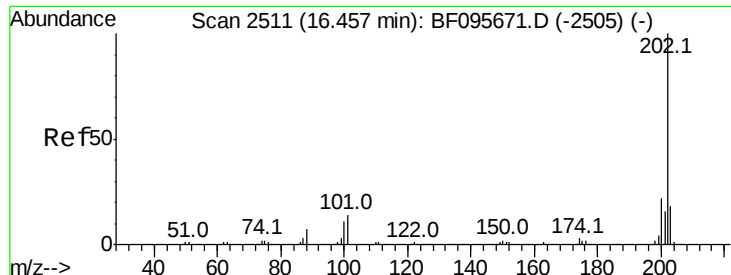
mohammad
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#71
Anthracene
Concen: 7.35 ng
RT: 14.66 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	18.1	12.7	19.1





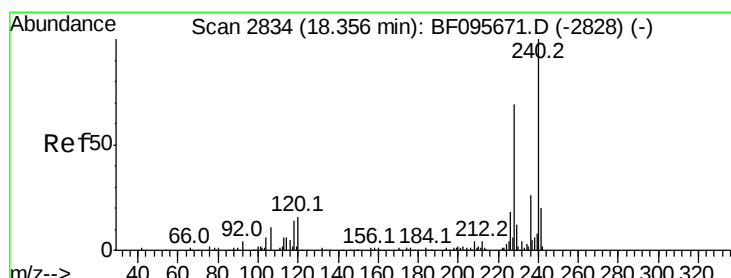
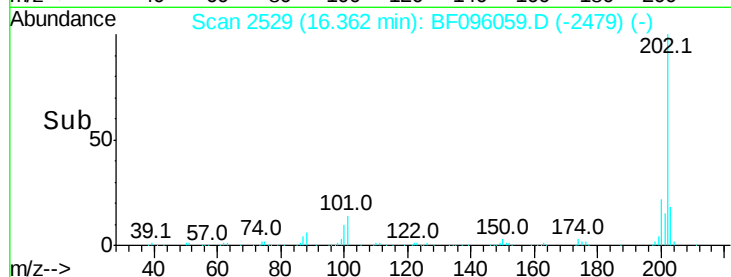
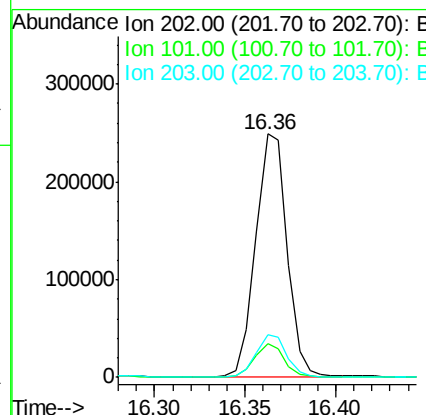
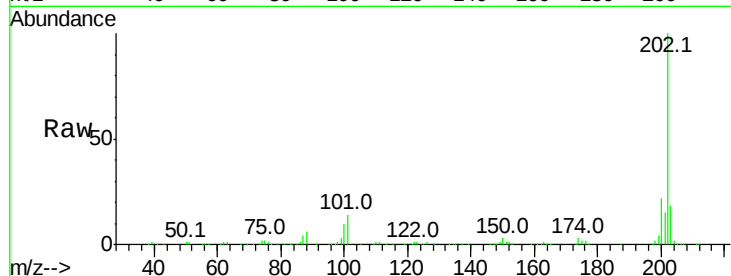
#74
Fluoranthene
Concen: 32.36 ng
RT: 16.36 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.0	0.0	33.2
203	17.7	0.0	38.1

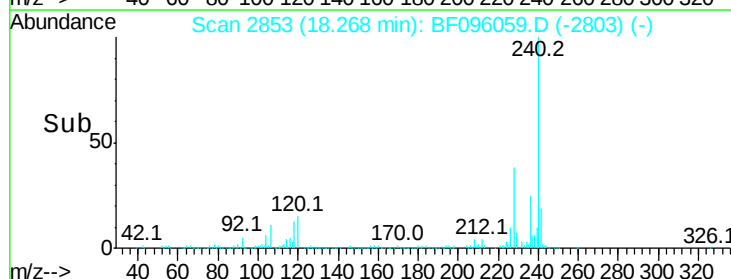
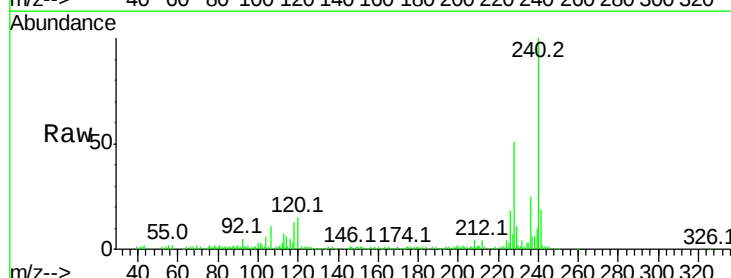
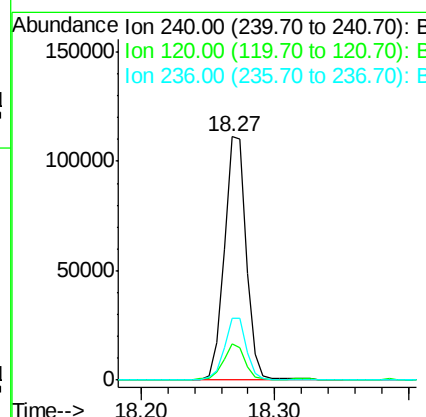
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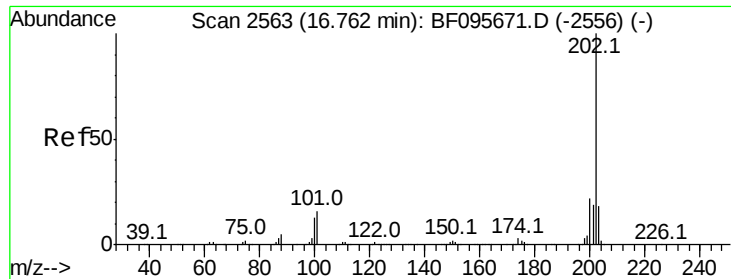
mohammad
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.27 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.7	5.8	8.8#
236	25.2	20.5	30.7





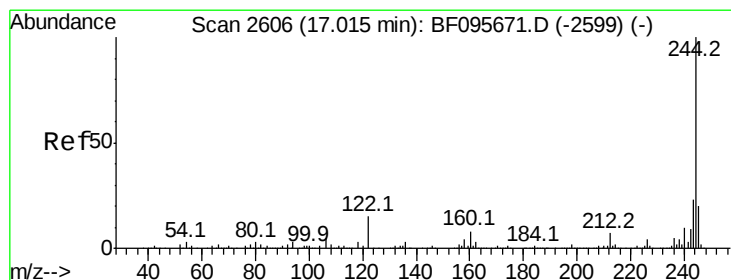
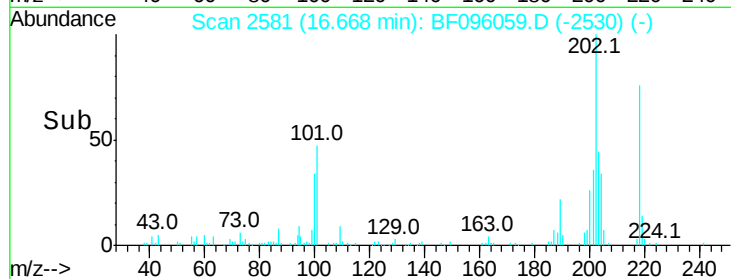
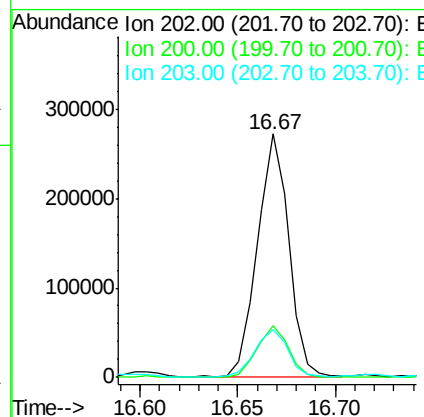
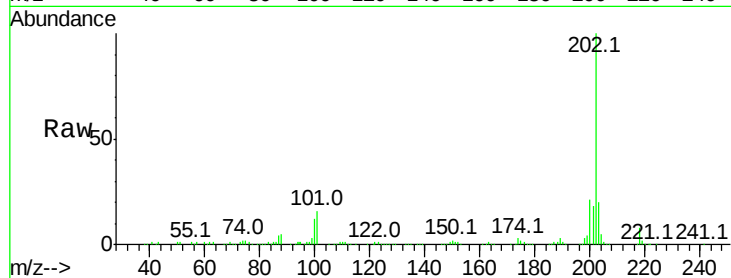
#77
Pvrene
Concen: 31.01 ng
RT: 16.67 min Scan# 2581
Delta R.T. 0.00 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	19.8	14.4	21.6

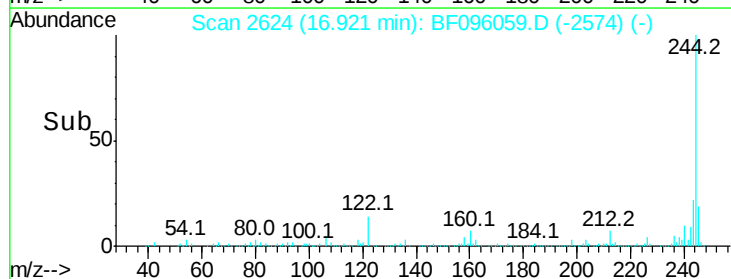
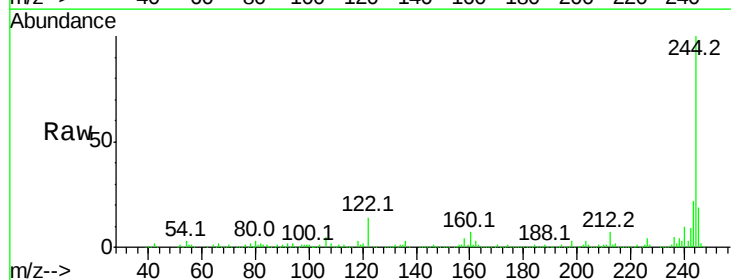
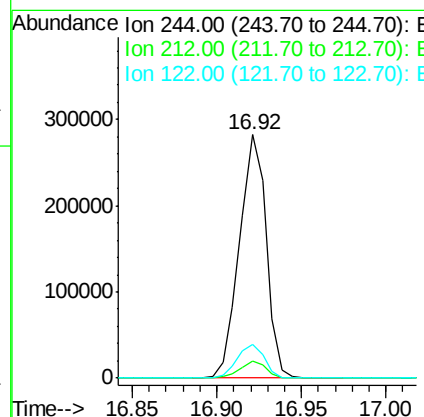
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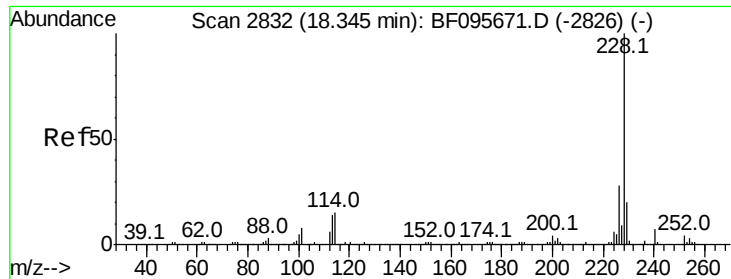
mohammad
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#78
Terphenyl-d14
Concen: 59.49 ng
RT: 16.92 min Scan# 2624
Delta R.T. -0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.8	10.3	15.5





#80

Benzo(a)anthracene

Concen: 18.46 ng

RT: 18.26 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF096059.D

Acq: 20 Jun 2017 22:56

Instrument :

BNA_F

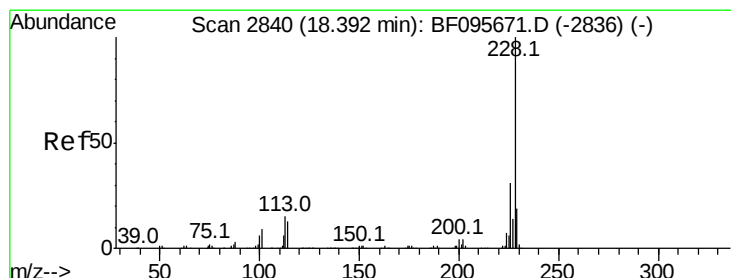
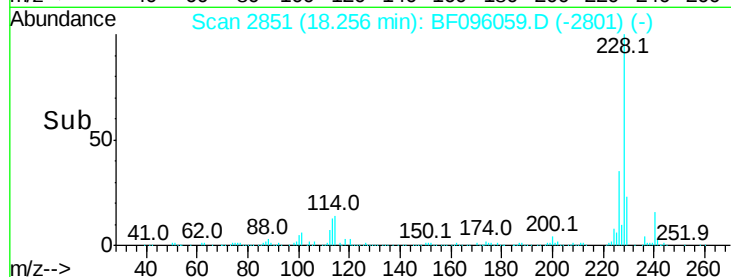
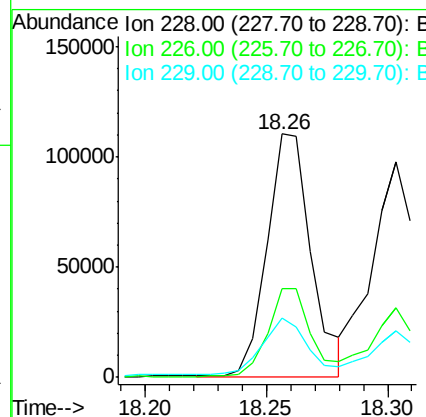
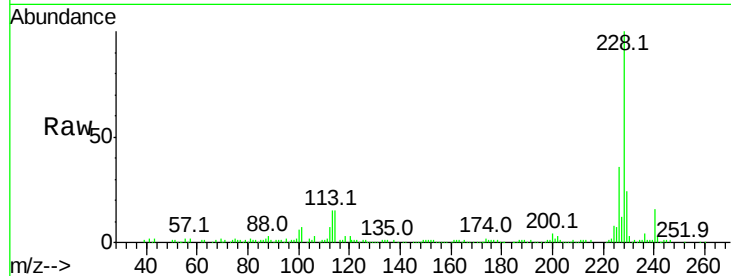
ClientSampleId :

TK4-1-20170619

Tot Ion:	228	Resp:	139835
Ion Ratio	Lower	Upper	
228	100		
226	36.5	22.6	33.8#
229	24.5	16.3	24.5#

Manual Integrations
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#82

Chrysene

Concen: 15.91 ng

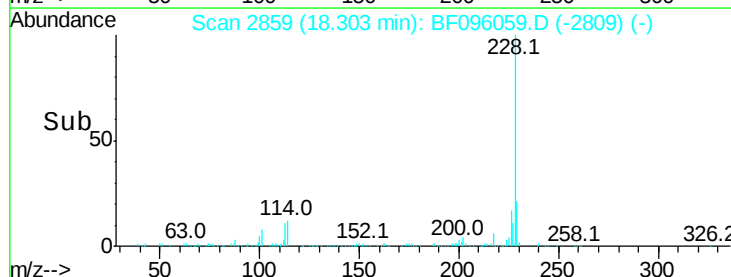
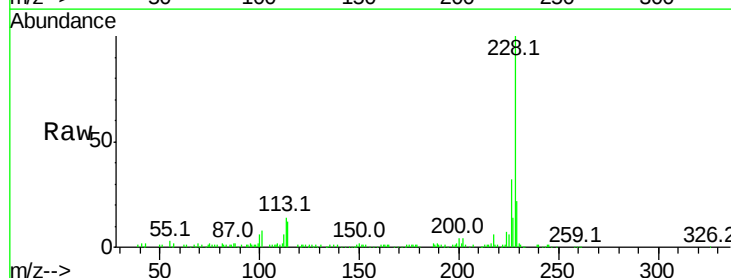
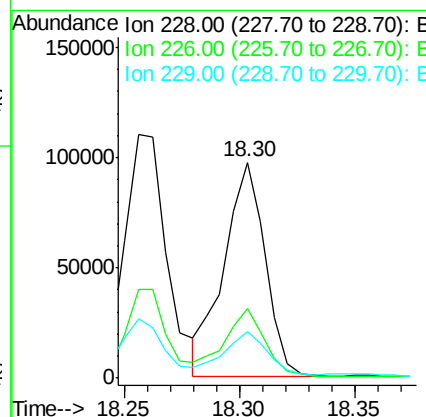
RT: 18.30 min Scan# 2859

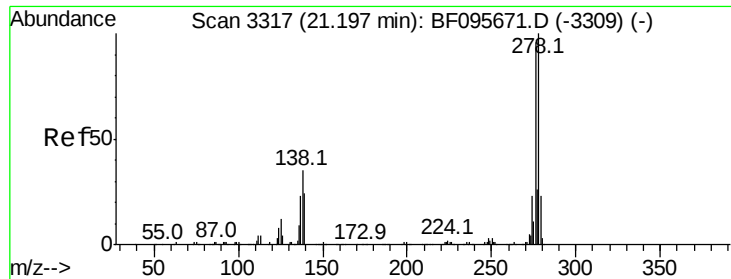
Delta R.T. -0.01 min

Lab File: BF096059.D

Acq: 20 Jun 2017 22:56

Tgt Ion:	228	Resp:	120427
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.9	37.3
229	21.7	15.8	23.6





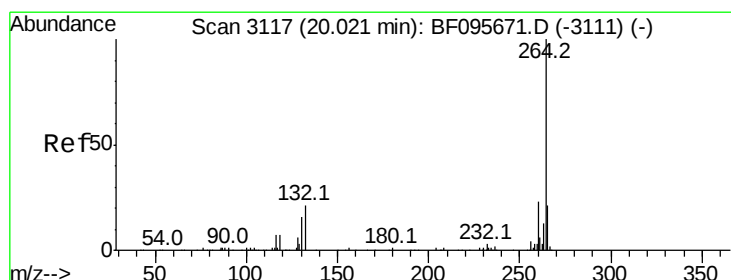
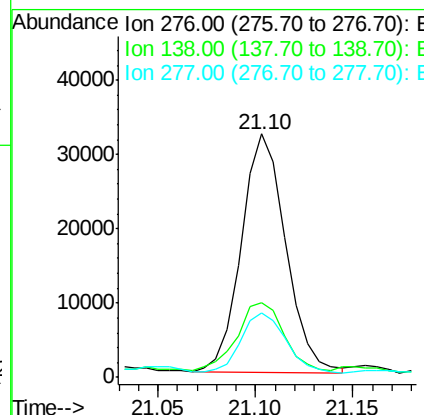
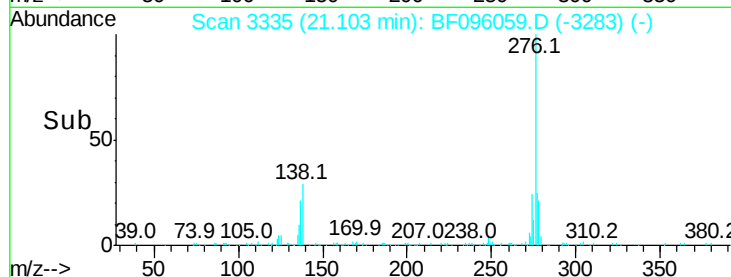
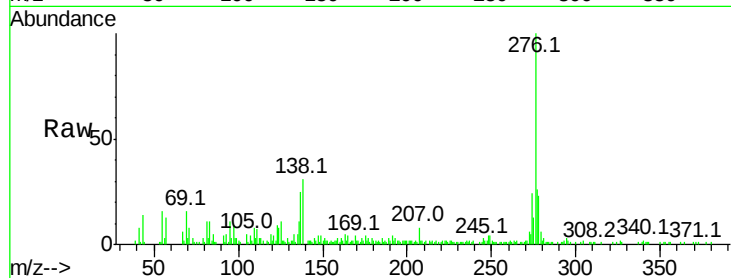
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.82 ng
RT: 21.10 min Scan# 3335
Delta R.T. 0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.1	27.8	41.6
277	25.8	20.2	30.4

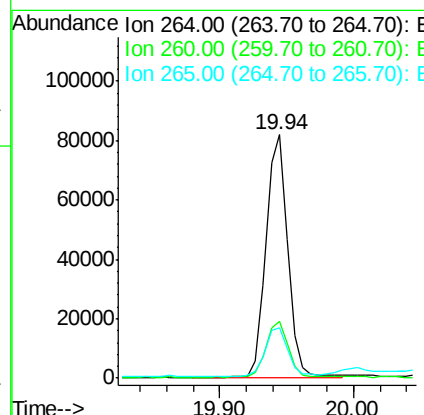
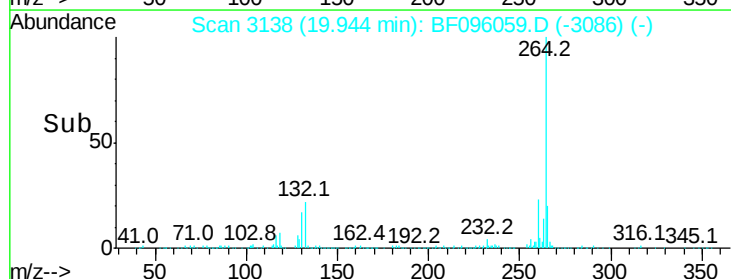
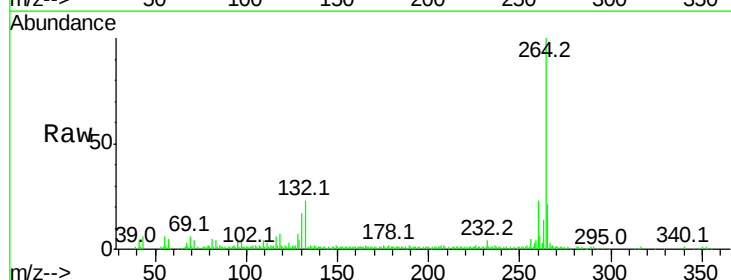
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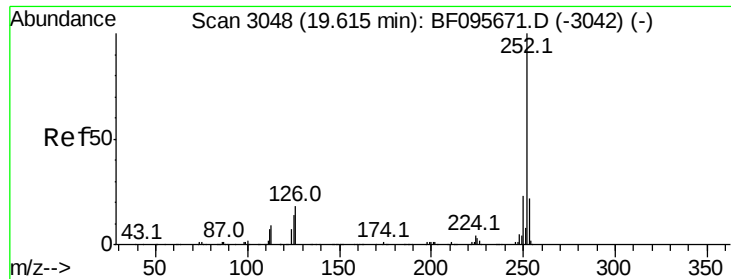
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#86
Perylene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	20.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 21.95 ng m

RT: 19.54 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BF096059.D

Acq: 20 Jun 2017 22:56

Instrument :

BNA_F

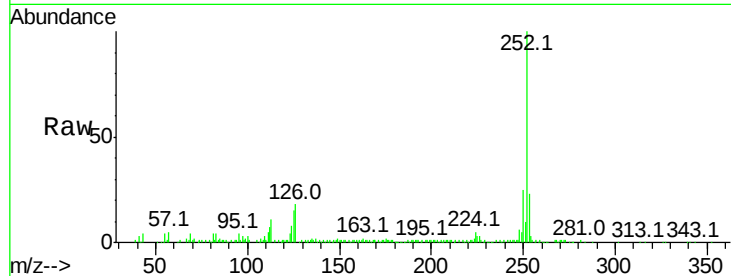
ClientSampleId :

TK4-1-20170619

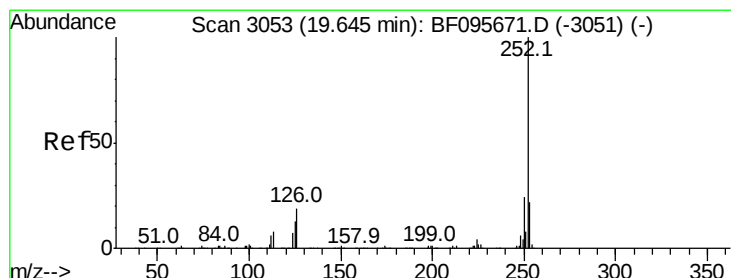
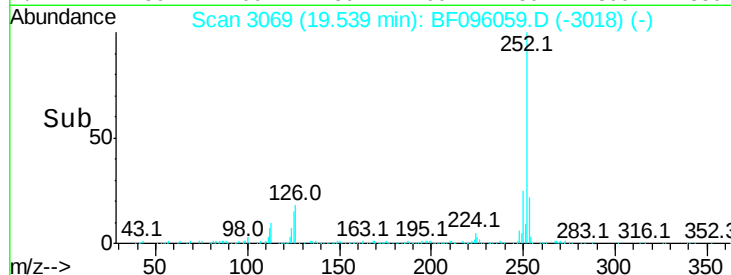
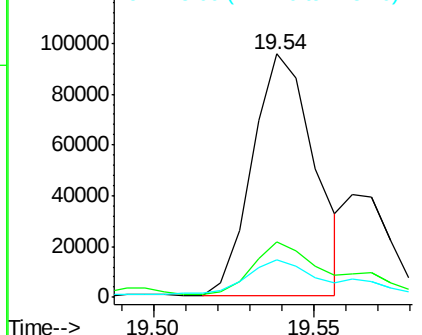
Tot Ion:	252	Resp:	128277
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.1	27.1
125	15.4	9.8	14.8#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 7.15 ng m

RT: 19.56 min Scan# 3073

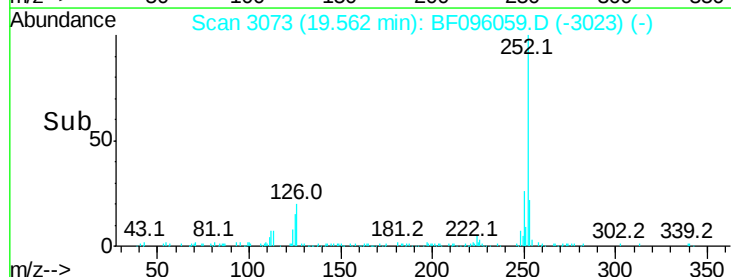
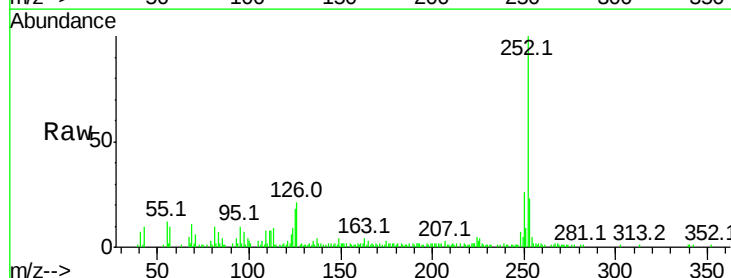
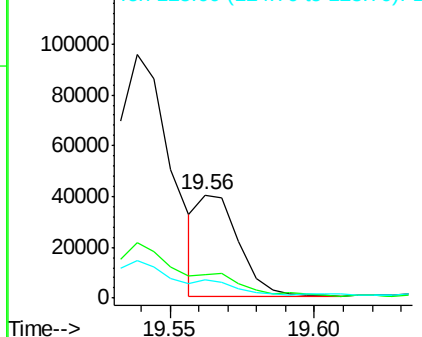
Delta R.T. -0.01 min

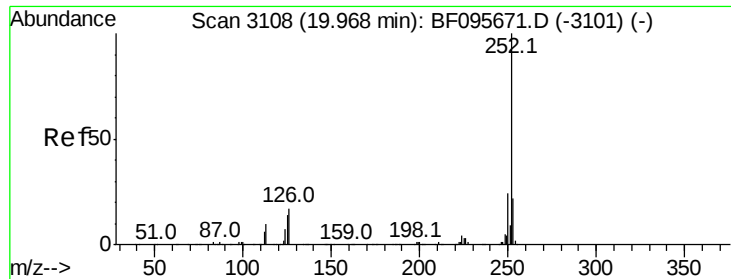
Lab File: BF096059.D

Acq: 20 Jun 2017 22:56

Tgt Ion:	252	Resp:	39953
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.4	27.6
125	17.6	13.1	19.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





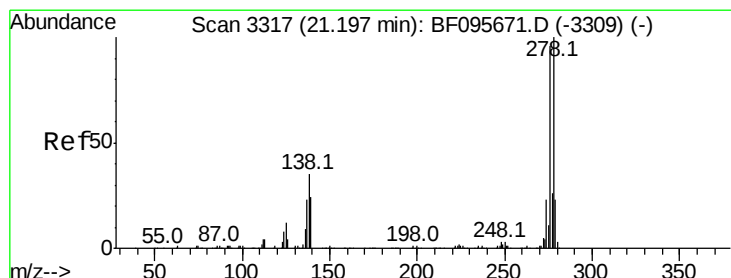
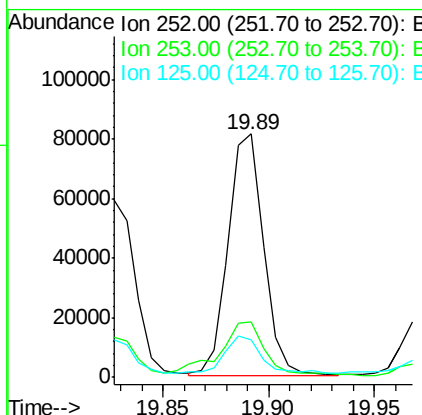
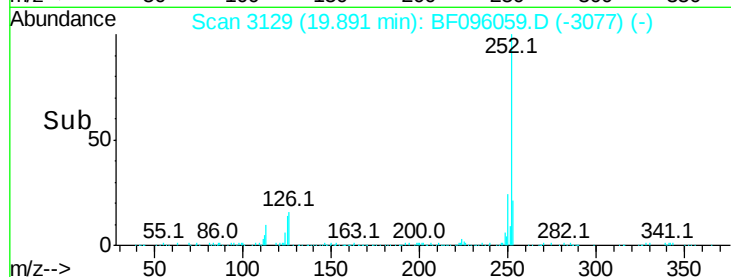
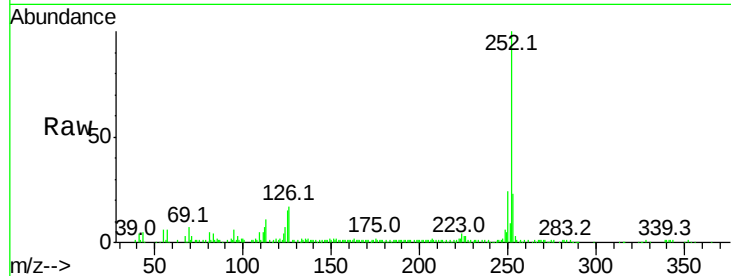
#89
Benzo(a)pyrene
Concen: 17.59 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Instrument :
BNA_F
ClientSampleId :
TK4-1-20170619

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.2	11.0	16.4

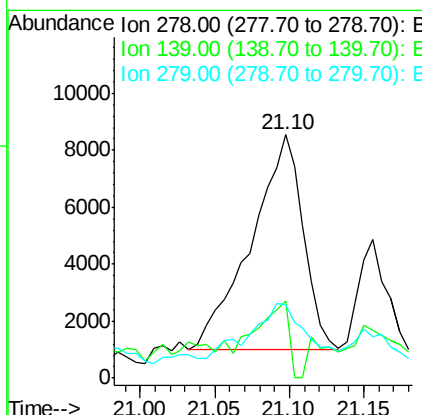
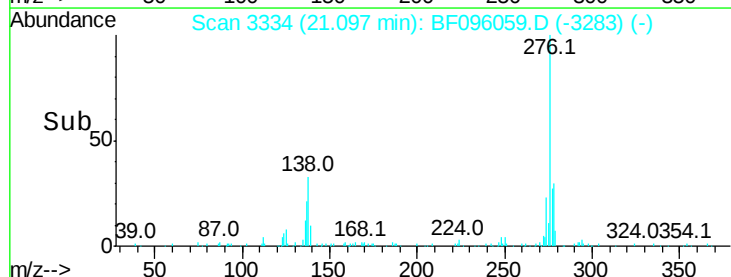
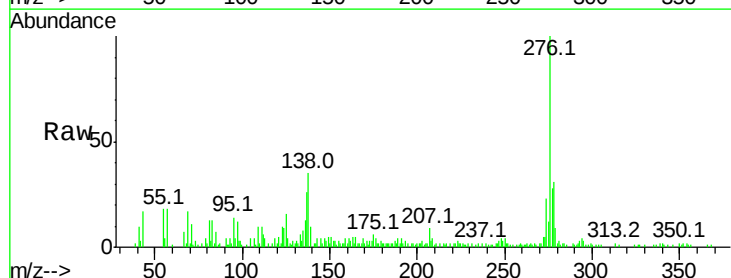
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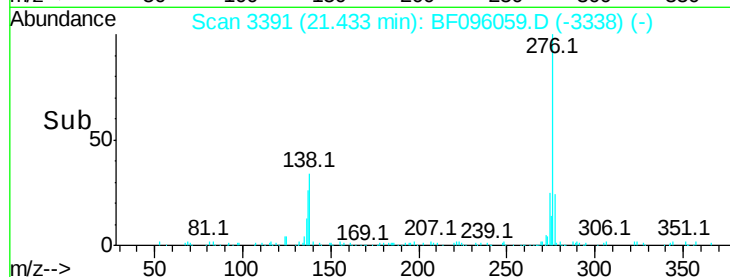
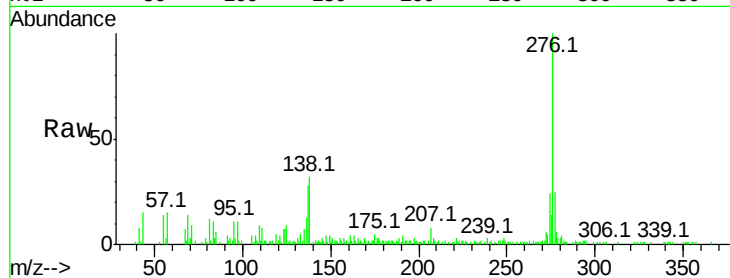
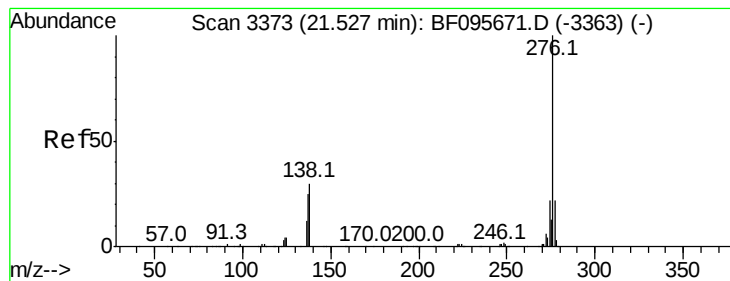
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 4.02 ng
RT: 21.10 min Scan# 3334
Delta R.T. 0.00 min
Lab File: BF096059.D
Acq: 20 Jun 2017 22:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.7	16.6	24.8#
279	30.0	19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 11.94 ng

RT: 21.43 min Scan# 3391

Delta R.T. 0.01 min

Lab File: BF096059.D

Acq: 20 Jun 2017 22:56

Instrument :

BNA_F

ClientSampleId :

TK4-1-20170619

Tot Ion: 276 Resp: 55435

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 32.5 25.4 38.0

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