

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096087.D
 Acq On : 21 Jun 2017 16:38
 Operator : SJ/MA
 Sample : I3782-09DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TK4-DUP-20170619DL

Manual Integrations
 APPROVED

mohammad
 6/22/2017 5:34:36 PM

Quant Time: Jun 21 17:06:58 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	87087	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	370404	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	136094	20.00	ng	-0.01
63) Phenanthrene-d10	14.53	188	218895	20.00	ng	0.00
75) Chrysene-d12	18.27	240	177683	20.00	ng	0.00
86) Perylene-d12	19.94	264	146969	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	102622	18.78	ng	0.04
7) Phenol-d6	6.90	99	133569	20.41	ng	0.03
23) Nitrobenzene-d5	8.23	82	78124	13.10	ng	0.00
41) 2,4,6-Tribromophenol	13.45	330	22642	18.80	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	163652	16.73	ng	-0.01
78) Terphenyl-d14	16.92	244	94177	13.15	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	11.81	163	22268	2.16	ng	# 98
51) Acenaphthene	12.19	154	17381	2.01	ng	92
57) Fluorene	13.04	166	21926	2.07	ng	99
70) Phenanthrene	14.57	178	312079	24.71	ng	97
71) Anthracene	14.67	178	57117	4.33	ng	95
74) Fluoranthene	16.36	202	286178	22.89	ng	97
77) Pyrene	16.66	202	266708	20.12	ng	# 94
80) Benzo(a)anthracene	18.26	228	119418	11.56	ng	98
82) Chrysene	18.30	228	124686	12.08	ng	97
84) Di-n-octyl phthalate	19.16	149	41216	3.06	ng	# 48
85) Indeno(1,2,3-cd)pyrene	21.11	276	35387	4.01	ng	# 89
87) Benzo(b)fluoranthene	19.54	252	108432m	11.78	ng	
88) Benzo(k)fluoranthene	19.57	252	34905m	3.97	ng	
89) Benzo(a)pyrene	19.89	252	74985	8.87	ng	# 90
91) Benzo(a,h,i)perylene	21.44	276	31299	4.28	ng	# 87

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

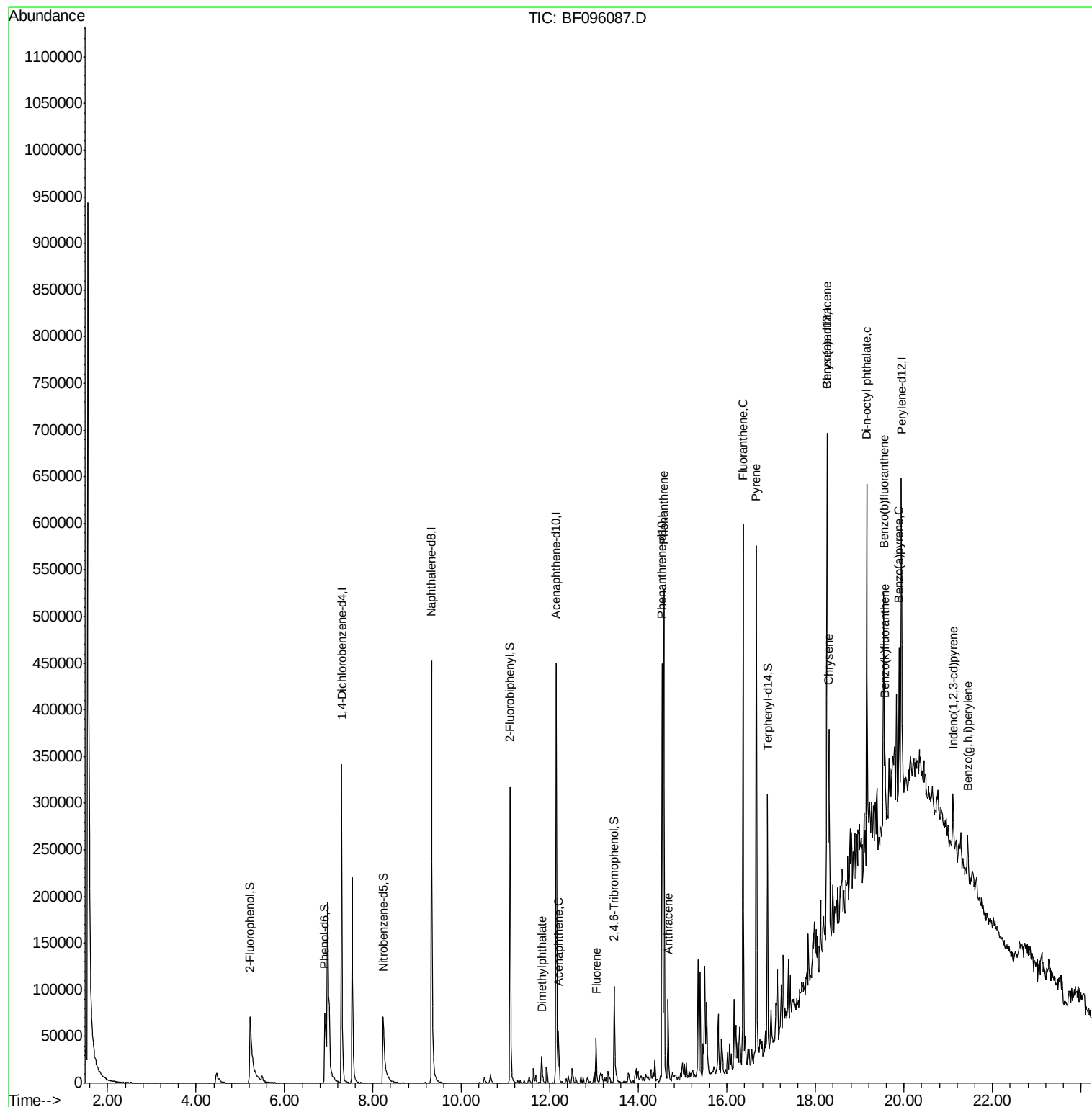
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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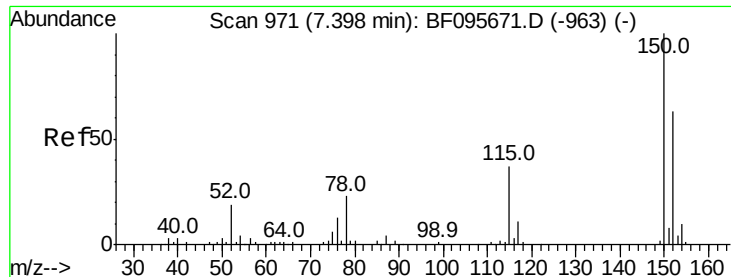
Instrument :
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#1

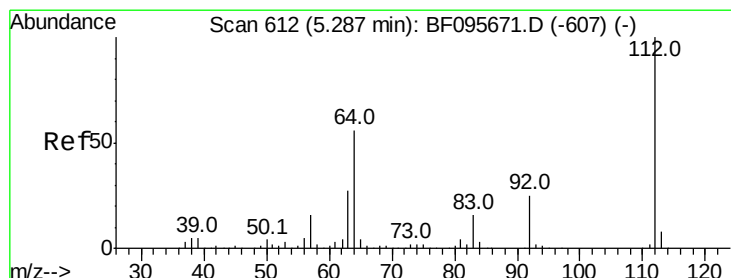
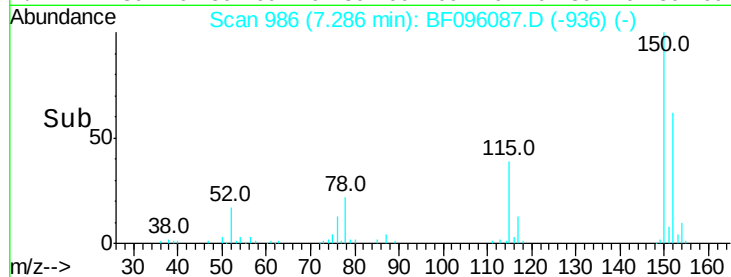
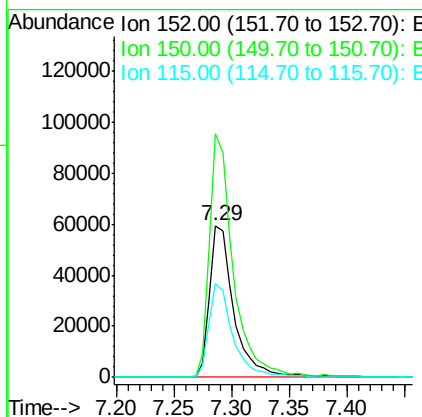
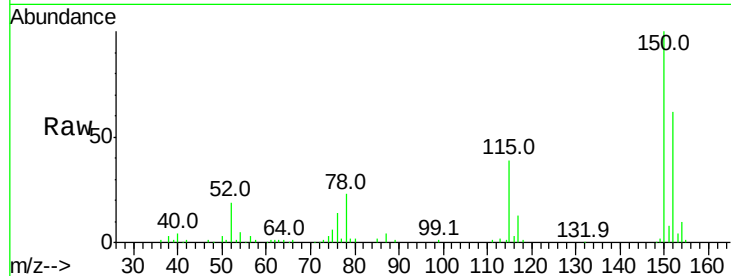
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Instrument :
BNA_F
ClientSampleId :
TK4-DUP-20170619DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	62.0	52.2	78.2

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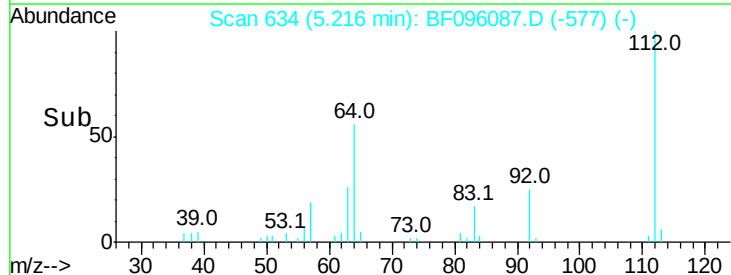
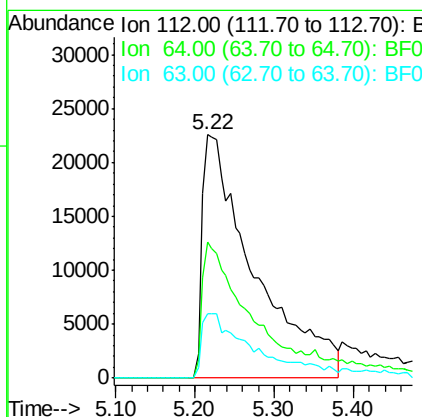
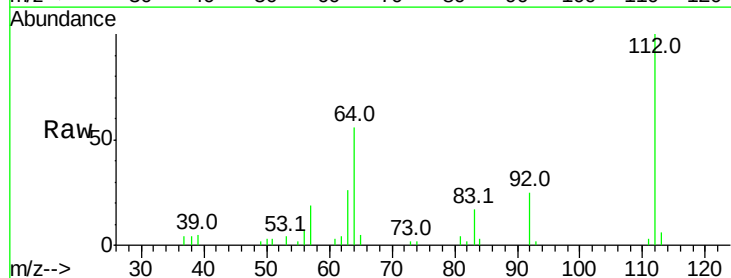
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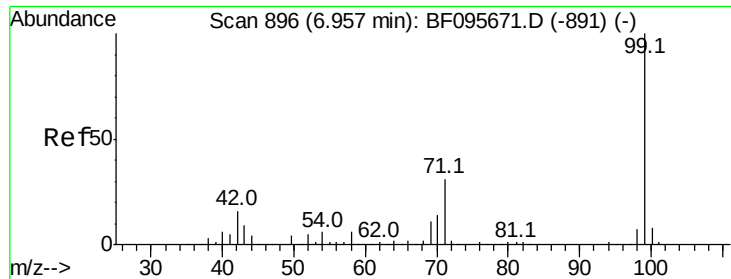


#5

2-Fluorophenol
Concen: 18.78 ng
RT: 5.22 min Scan# 634
Delta R.T. 0.04 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.0	69.0
63	26.2	23.4	35.0





#7

Phenol-d6

Concen: 20.41 ng

RT: 6.90 min Scan# 921

Delta R.T. 0.03 min

Lab File: BF096087.D

Acq: 21 Jun 2017 16:38

Instrument :

BNA_F

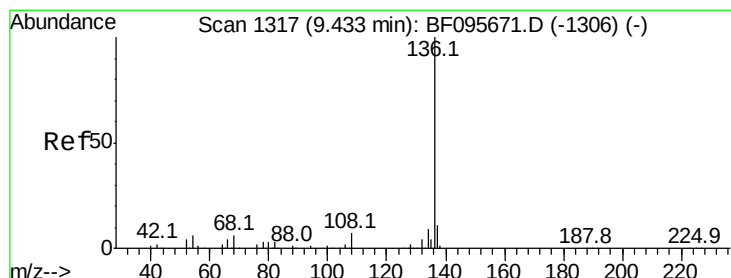
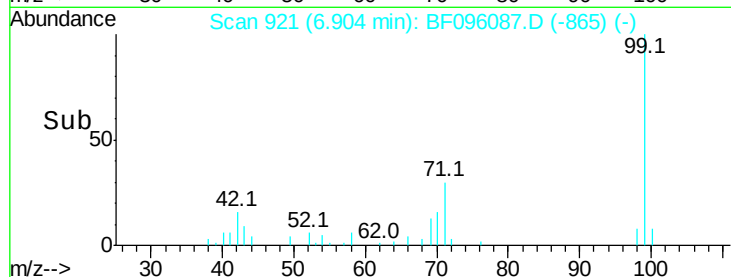
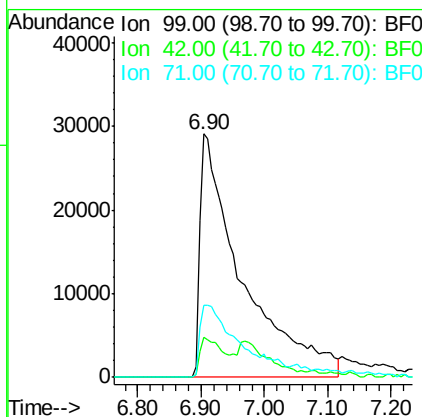
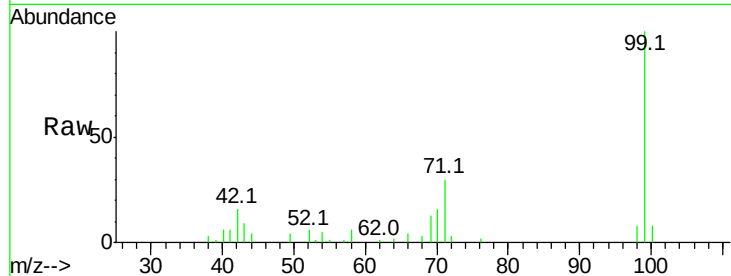
ClientSampleId :

TK4-DUP-20170619DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		133569		
42	16.4	13.5	20.3		
71	29.8	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

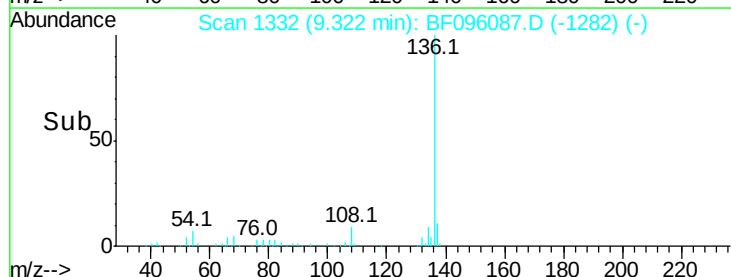
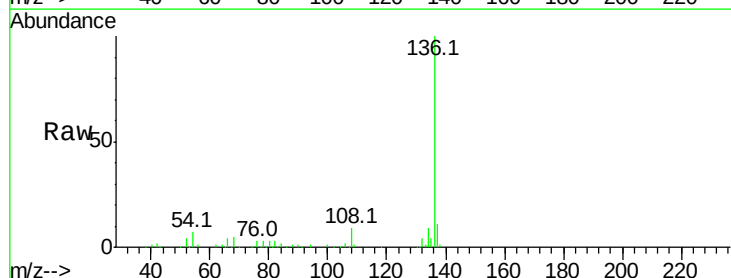
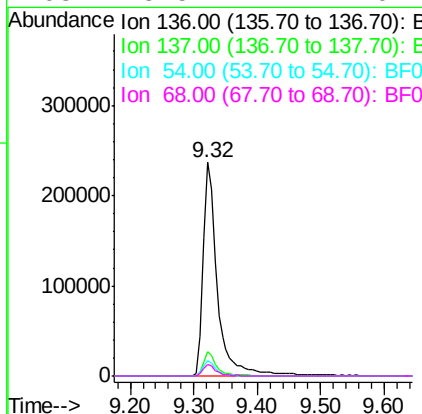
RT: 9.32 min Scan# 1332

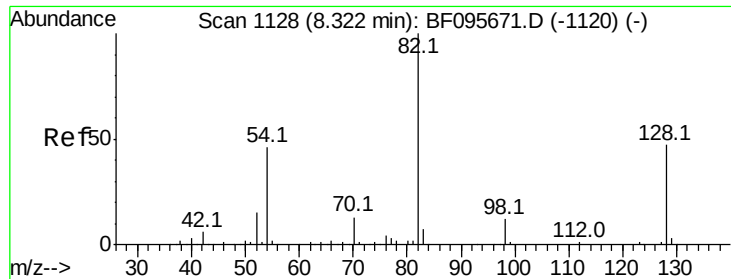
Delta R.T. -0.01 min

Lab File: BF096087.D

Acq: 21 Jun 2017 16:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		370404		
137	11.2	8.5	12.7		
54	7.4	4.9	7.3#		
68	5.5	4.1	6.1		





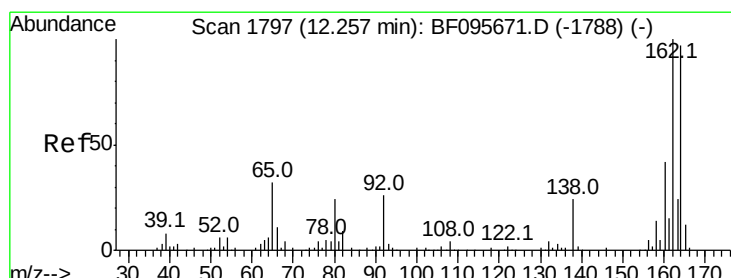
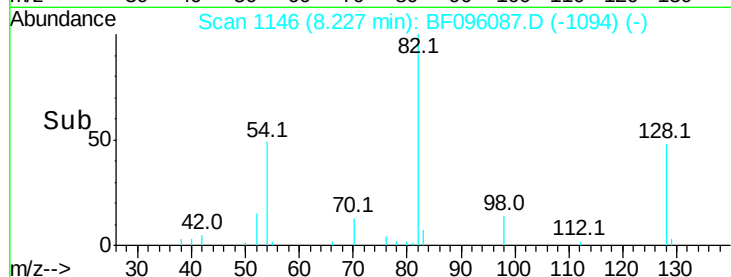
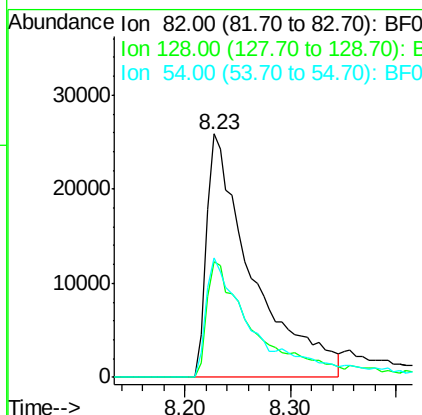
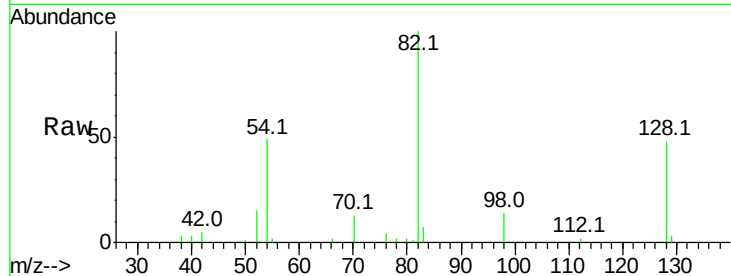
#23
 Nitrobenzene-d5
 Concen: 13.10 ng
 RT: 8.23 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: BF096087.D
 Acq: 21 Jun 2017 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TK4-DUP-20170619DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.0	51.0
54	49.0	42.2	63.2

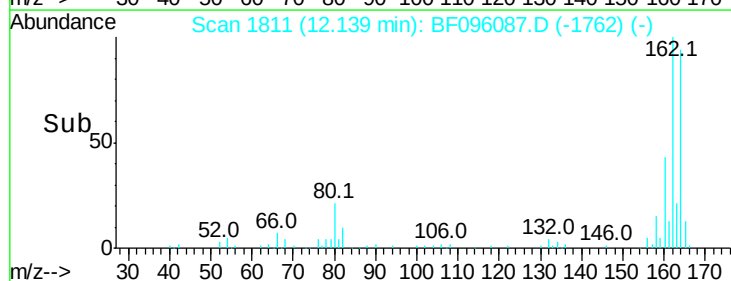
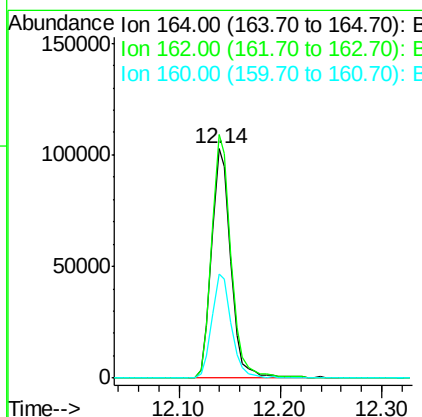
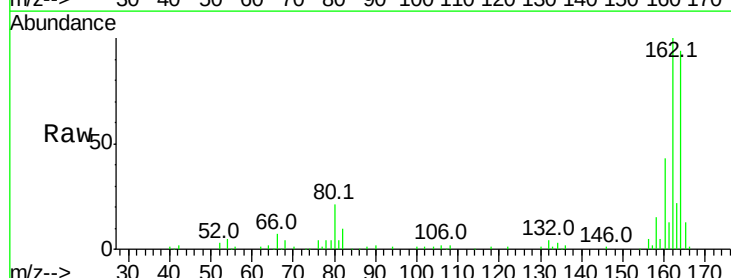
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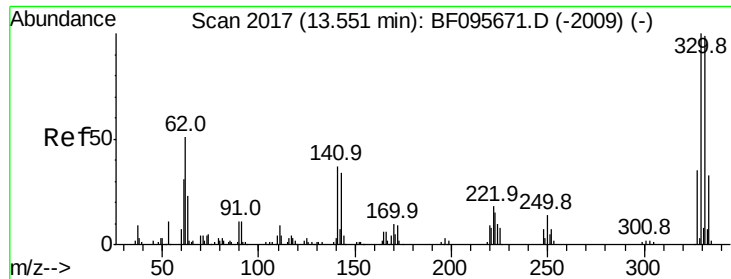
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: BF096087.D
 Acq: 21 Jun 2017 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.6	123.8
160	45.3	36.2	54.2





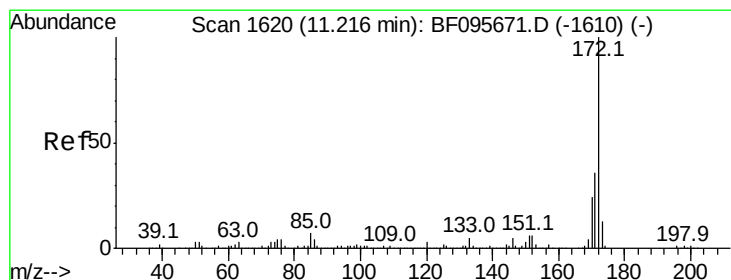
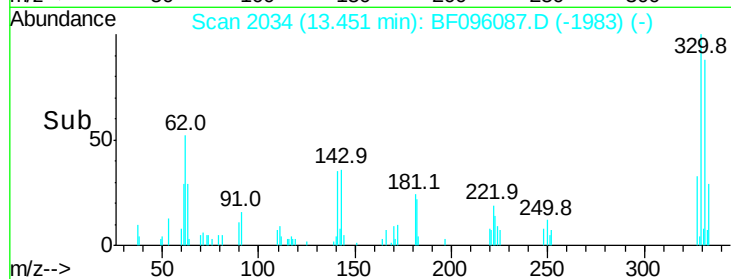
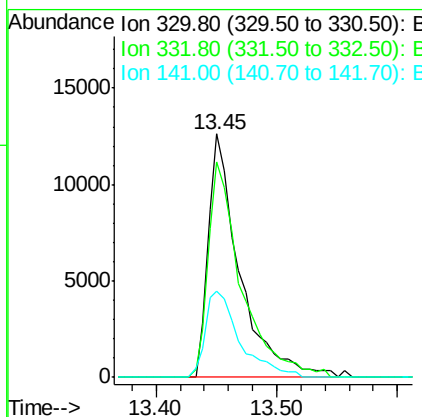
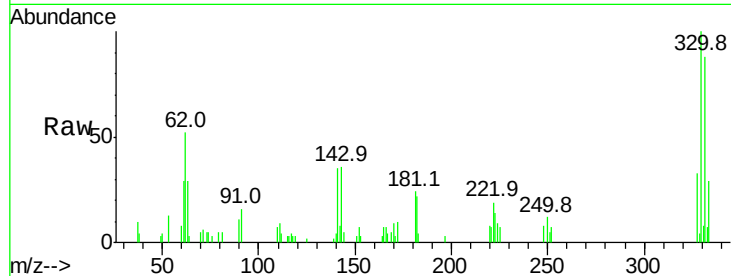
#41
 2,4,6-Tribromophenol
 Concen: 18.80 ng
 RT: 13.45 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: BF096087.D
 Acq: 21 Jun 2017 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TK4-DUP-20170619DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.6	115.0
141	39.3	31.4	47.2

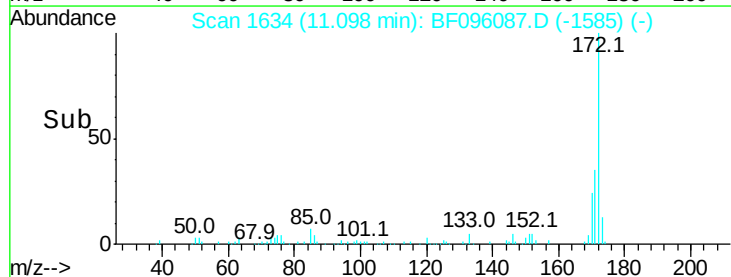
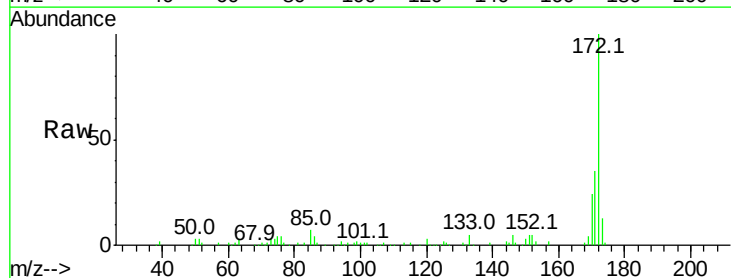
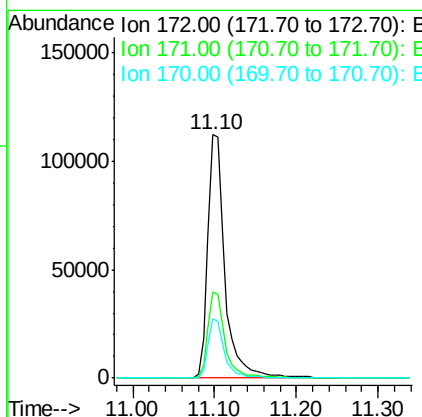
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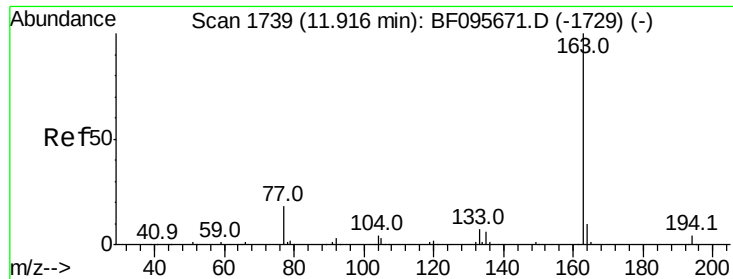
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#44
 2-Fluorobiphenyl
 Concen: 16.73 ng
 RT: 11.10 min Scan# 1634
 Delta R.T. -0.01 min
 Lab File: BF096087.D
 Acq: 21 Jun 2017 16:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	24.4	19.8	29.8





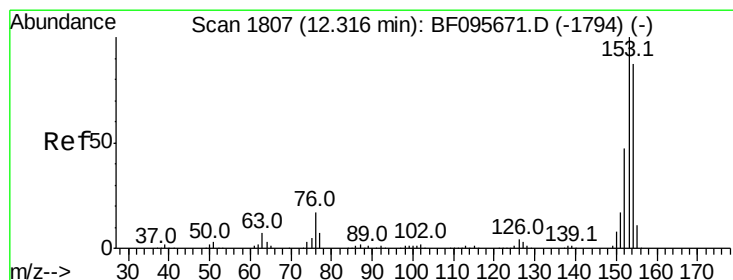
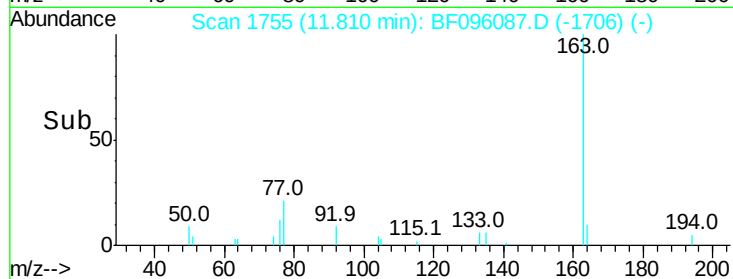
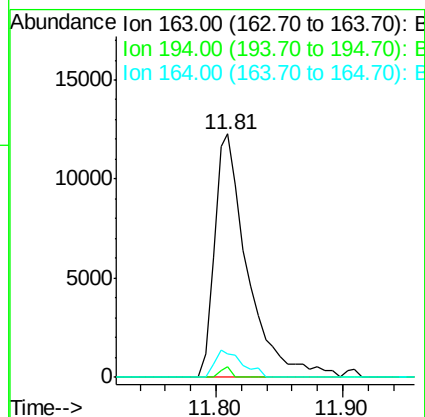
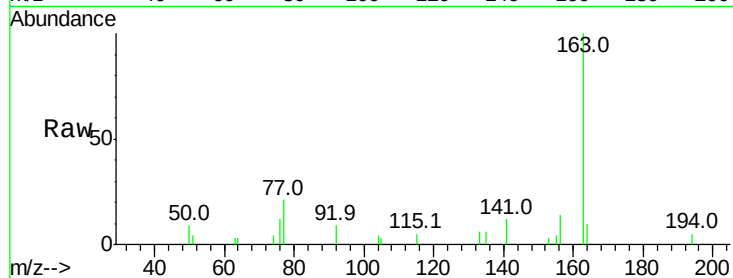
#49
Dimethylphthalate
Concen: 2.16 ng
RT: 11.81 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Instrument :
BNA_F
ClientSampleId :
TK4-DUP-20170619DL

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.6	4.0#
164	9.8	8.4	12.6

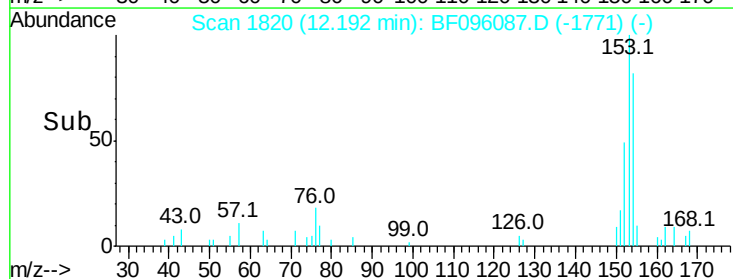
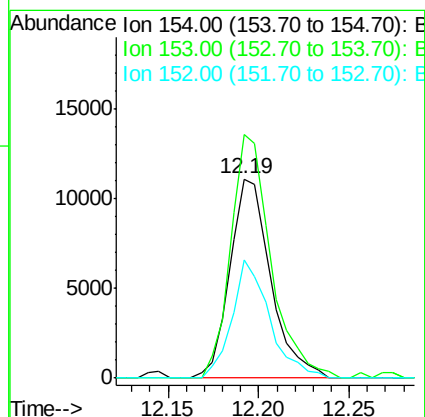
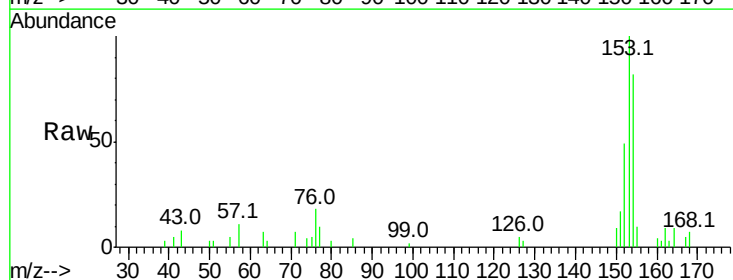
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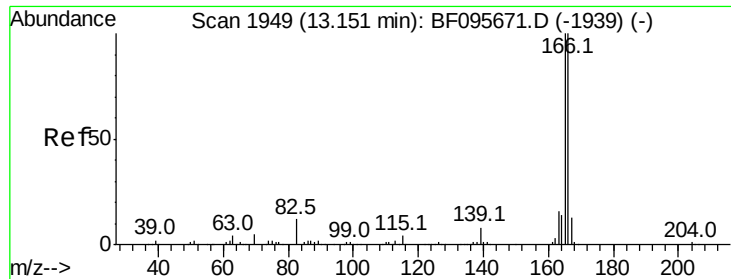
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#51
Acenaphthene
Concen: 2.01 ng
RT: 12.19 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	122.3	90.5	135.7
152	59.4	43.6	65.4





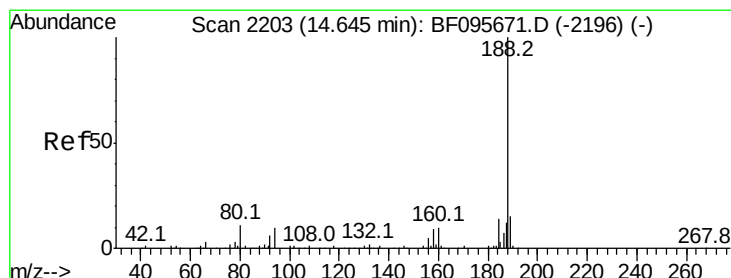
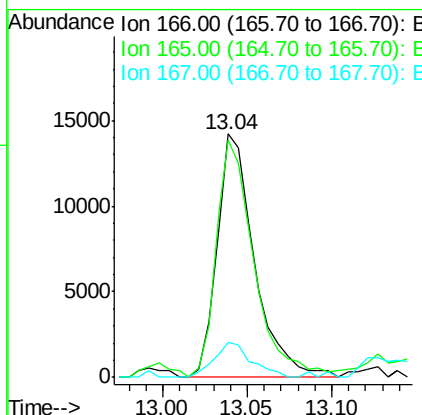
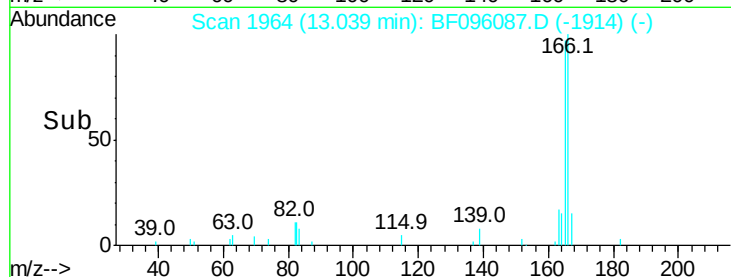
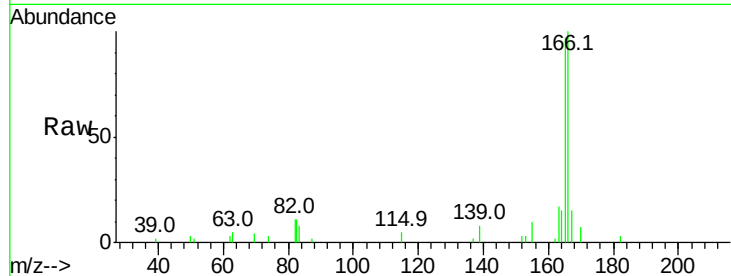
#57
Fluorene
Concen: 2.07 ng
RT: 13.04 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Instrument :
BNA_F
ClientSampleId :
TK4-DUP-20170619DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.8	118.2
167	14.6	10.6	16.0

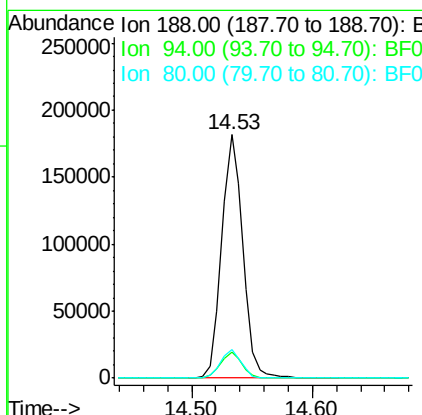
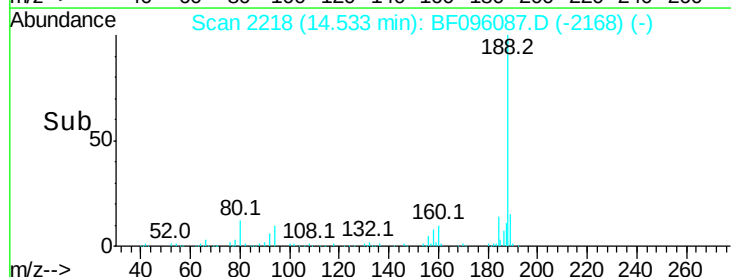
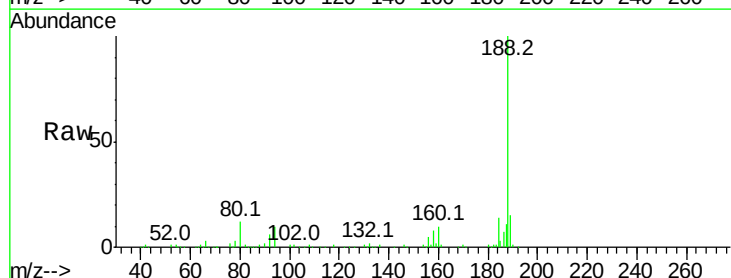
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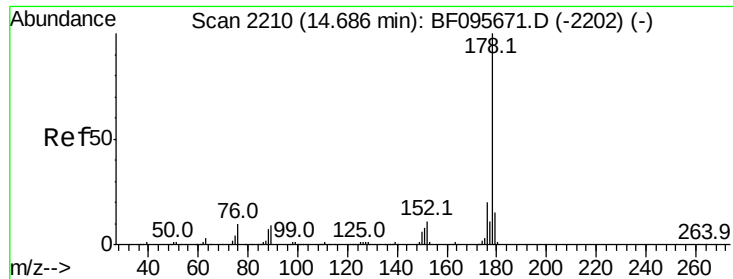
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	11.8	10.2	15.2





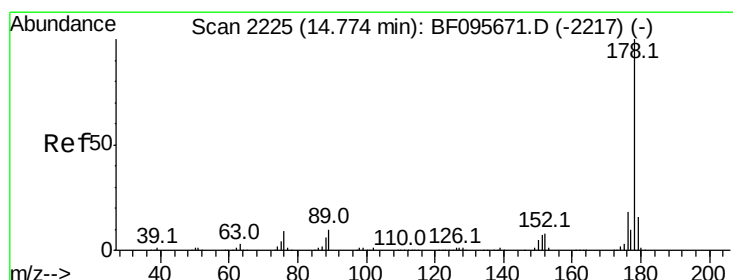
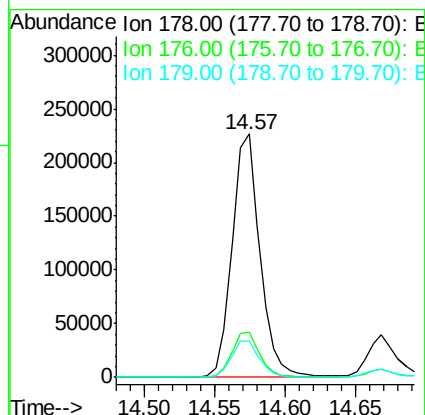
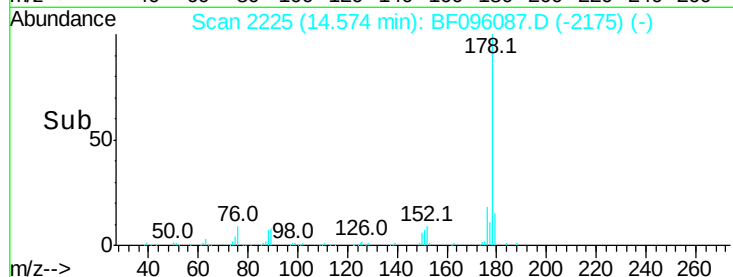
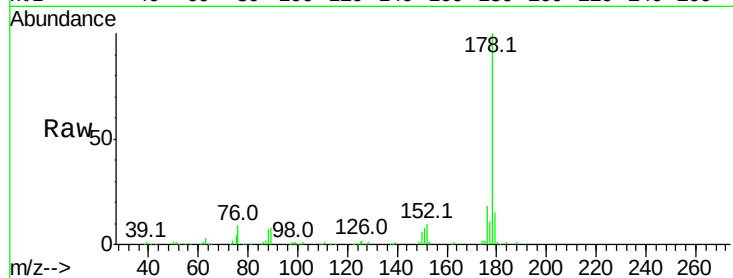
#70
Phenanthrene
Concen: 24.71 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Instrument :
BNA_F
ClientSampleId :
TK4-DUP-20170619DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.2	24.4
179	15.0	12.6	19.0

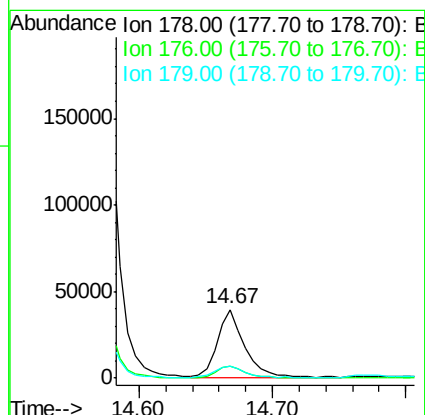
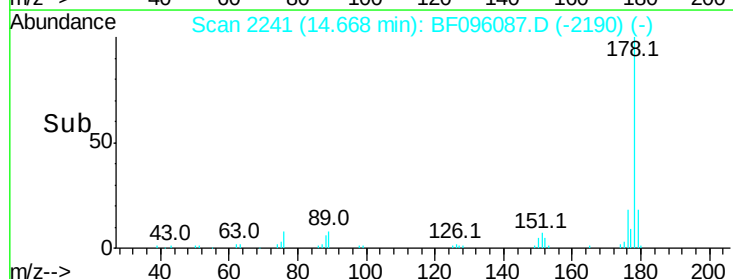
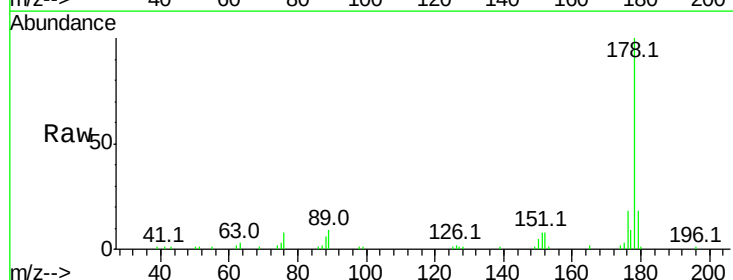
Manual Integrations
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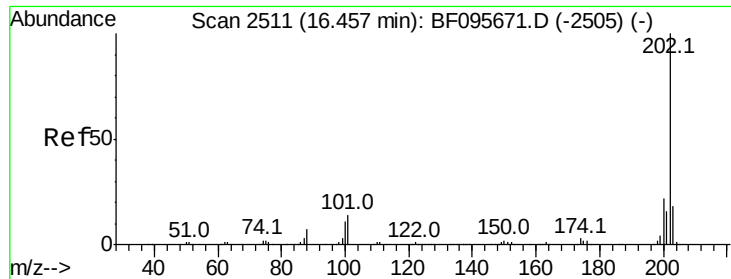
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#71
Anthracene
Concen: 4.33 ng
RT: 14.67 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	18.3	12.7	19.1





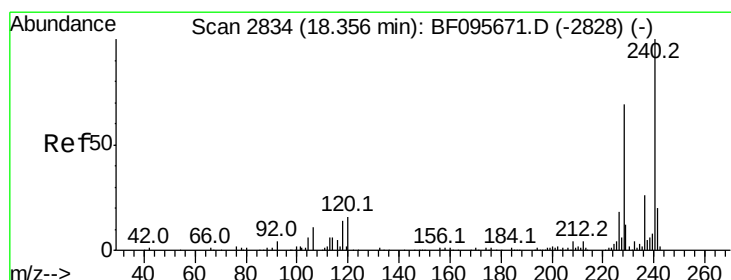
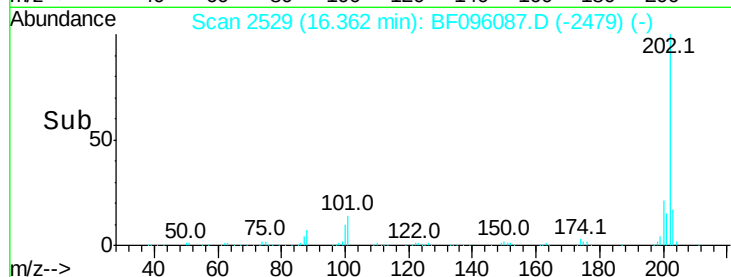
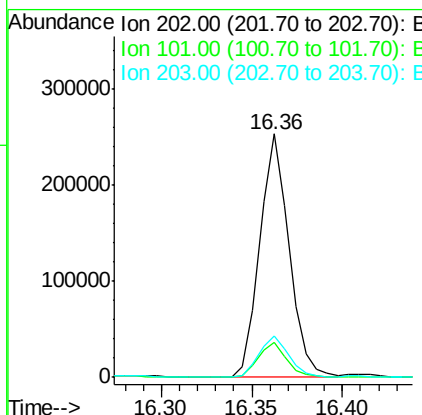
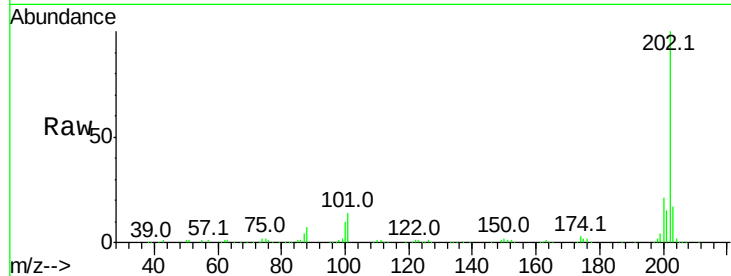
#74
Fluoranthene
Concen: 22.89 ng
RT: 16.36 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Instrument :
BNA_F
ClientSampleId :
TK4-DUP-20170619DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.1	0.0	33.2
203	16.8	0.0	38.1

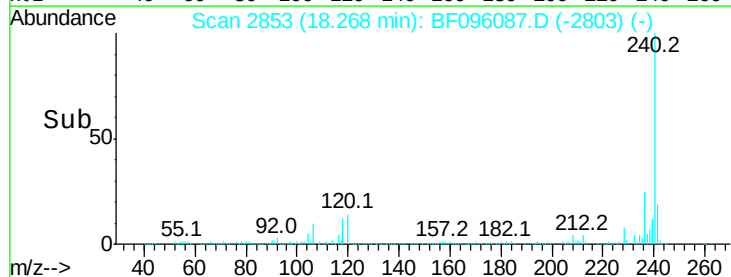
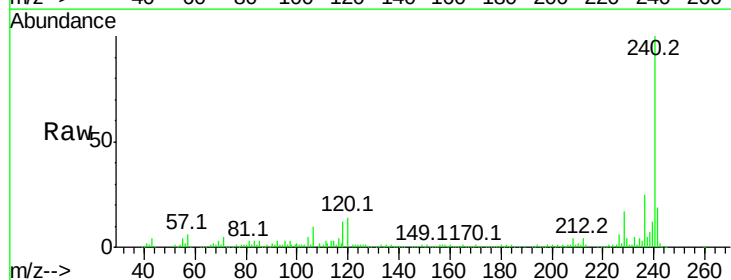
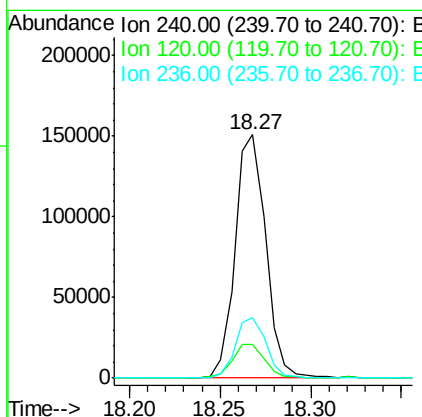
Manual Integrations
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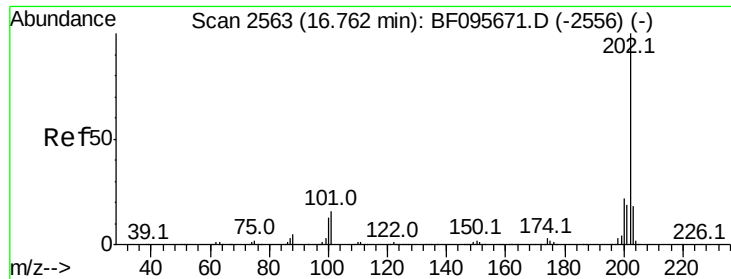
mohammad
6/22/2017 5:34:36 PM



#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.27 min Scan# 2853
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

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





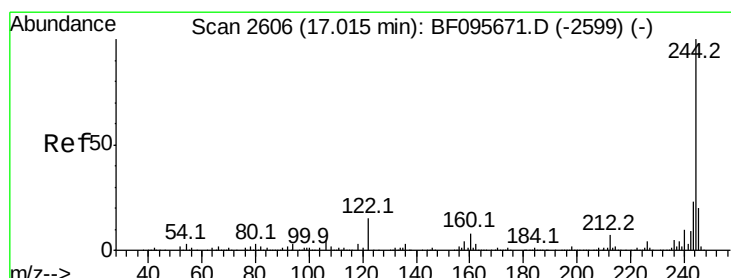
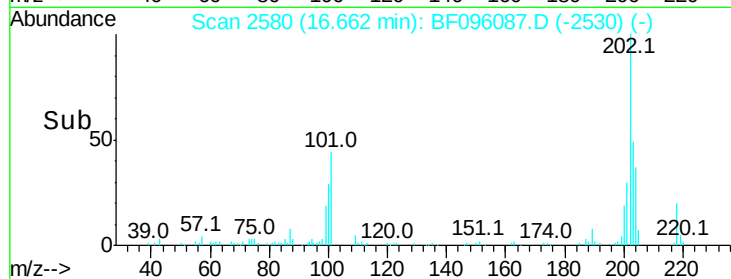
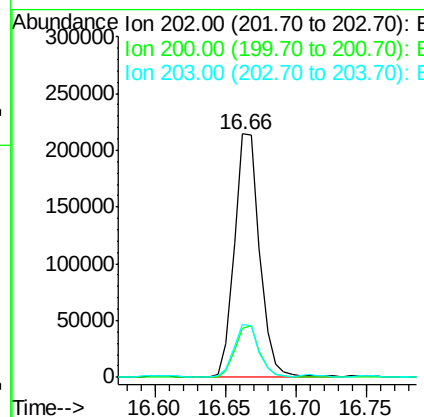
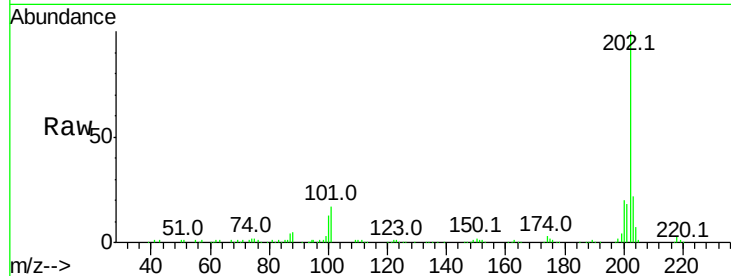
#77
Pvrene
Concen: 20.12 ng
RT: 16.66 min Scan# 2580
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Instrument :
BNA_F
ClientSampleId :
TK4-DUP-20170619DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	17.6	26.4
203	21.8	14.4	21.6

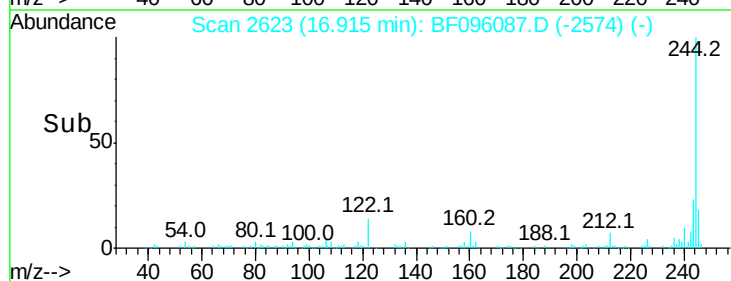
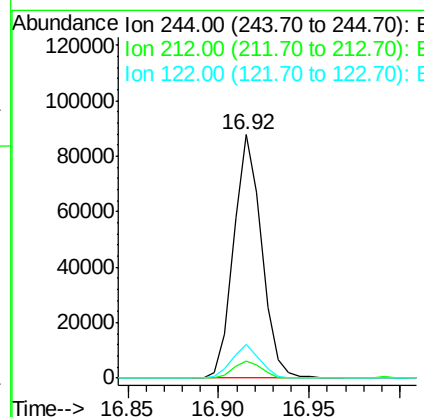
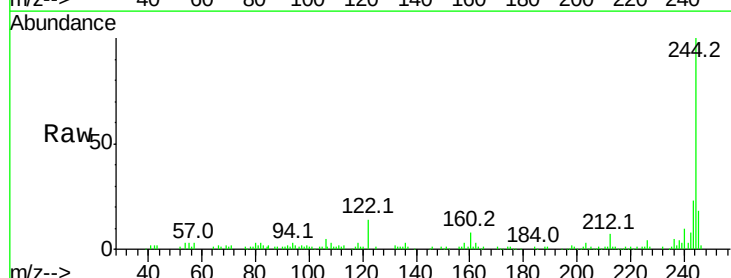
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APPROVED

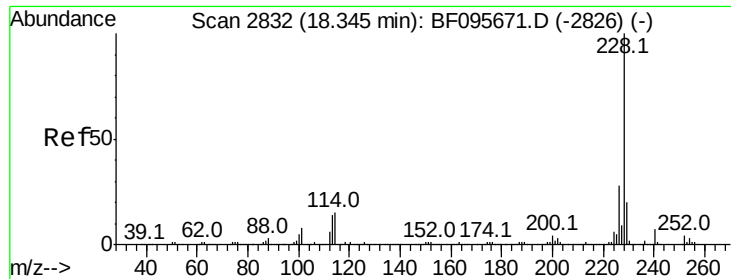
mohammad
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#78
Terphenyl-d14
Concen: 13.15 ng
RT: 16.92 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.7	10.3	15.5





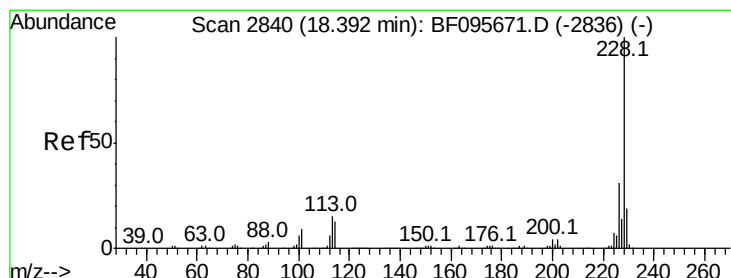
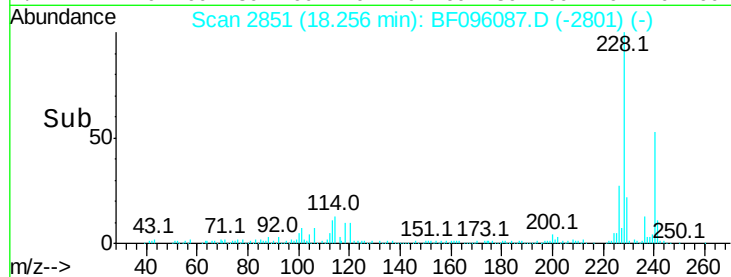
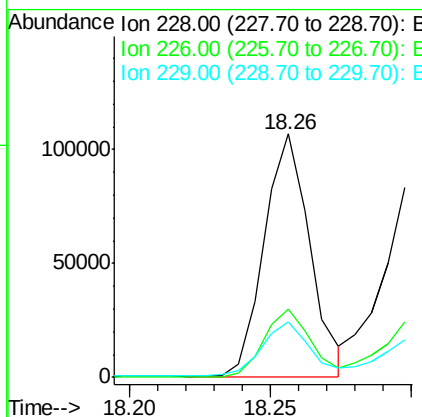
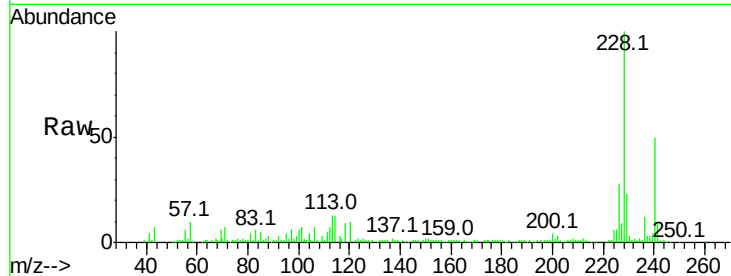
#80
Benzo(a)anthracene
Concen: 11.56 ng
RT: 18.26 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Instrument :
BNA_F
ClientSampleId :
TK4-DUP-20170619DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	22.7	16.3	24.5

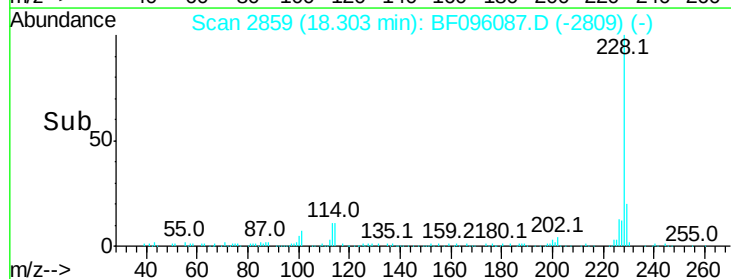
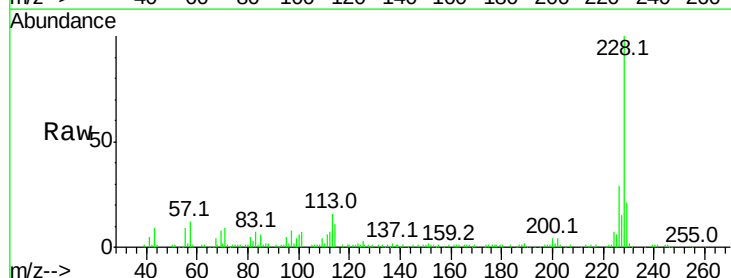
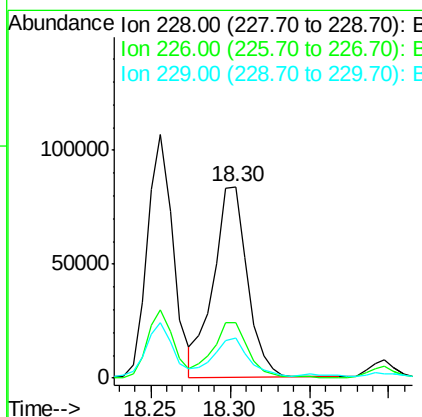
Manual Integrations
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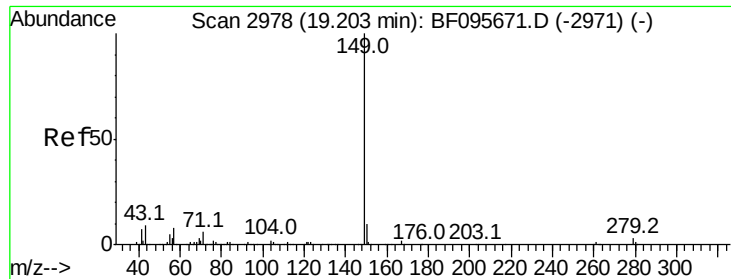
mohammad
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#82
Chrysene
Concen: 12.08 ng
RT: 18.30 min Scan# 2859
Delta R.T. -0.01 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.9	37.3
229	20.8	15.8	23.6





#84

Di-n-octyl phthalate

Concen: 3.06 ng

RT: 19.16 min Scan# 3005

Delta R.T. 0.05 min

Lab File: BF096087.D

Acq: 21 Jun 2017 16:38

Instrument :

BNA_F

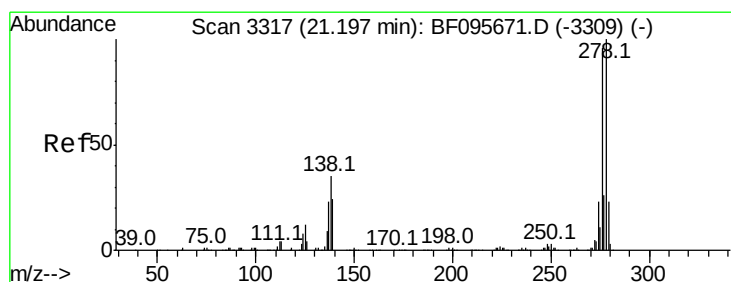
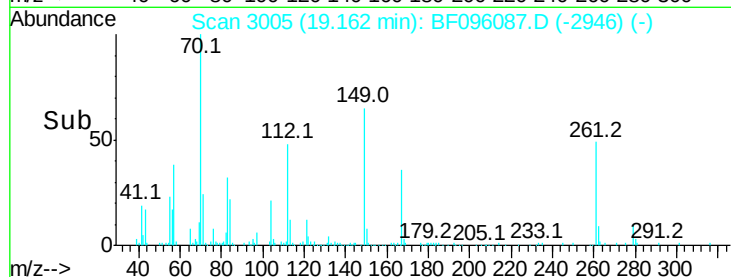
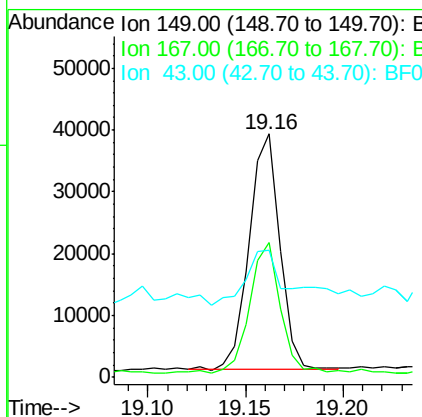
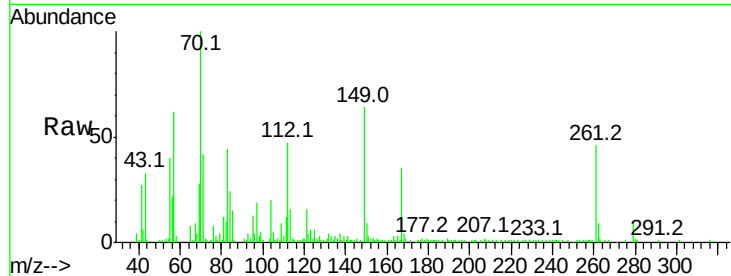
ClientSampleId :

TK4-DUP-20170619DL

Tot Ion:	149	Resp:	41216
Ion Ratio	Lower	Upper	
149	100		
167	59.1	1.2	1.8#
43	24.8	8.5	12.7#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.01 ng

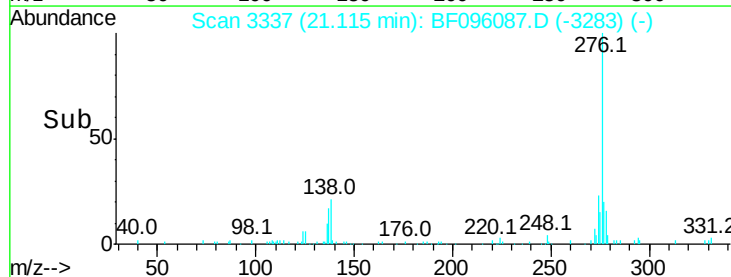
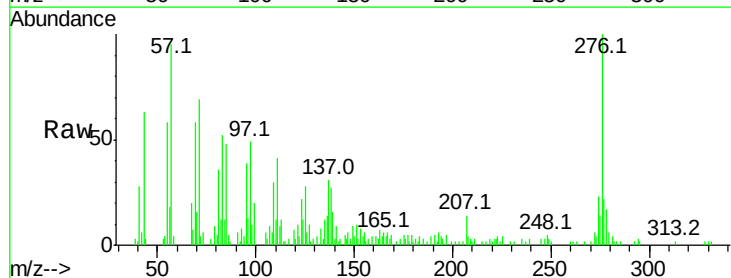
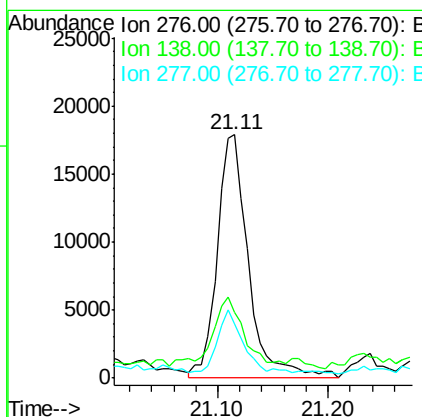
RT: 21.11 min Scan# 3337

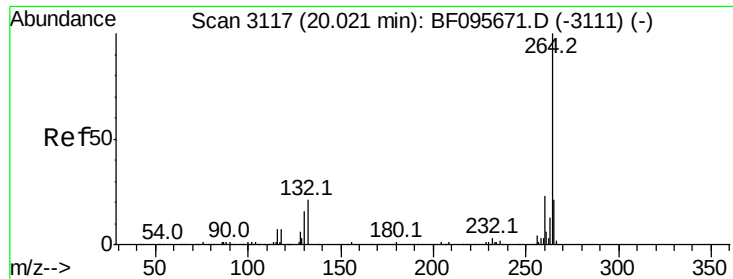
Delta R.T. 0.02 min

Lab File: BF096087.D

Acq: 21 Jun 2017 16:38

Tgt Ion:	276	Resp:	35387
Ion Ratio	Lower	Upper	
276	100		
138	28.0	27.8	41.6
277	20.1	20.2	30.4#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 19.94 min Scan# 3137

Delta R.T. -0.00 min

Lab File: BF096087.D

Acq: 21 Jun 2017 16:38

Instrument :

BNA_F

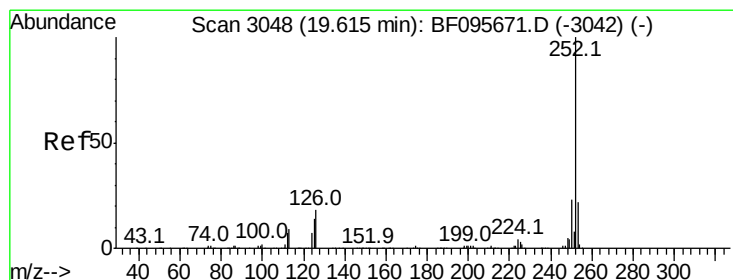
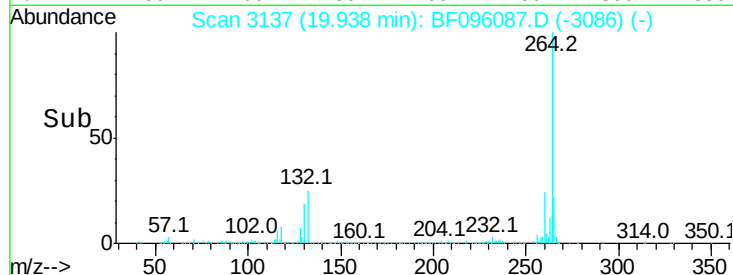
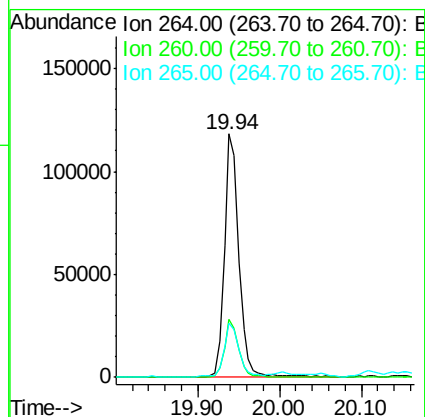
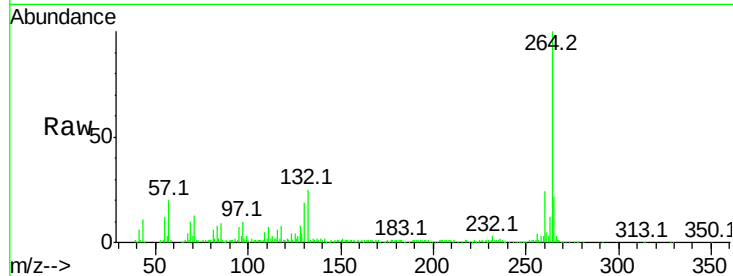
ClientSampleId :

TK4-DUP-20170619DL

Tot Ion:	264	Resp:	146969
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	22.1	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 11.78 ng m

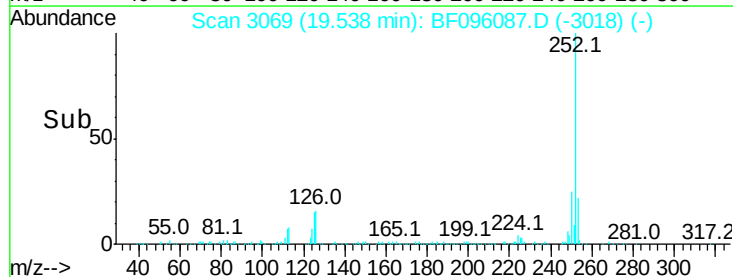
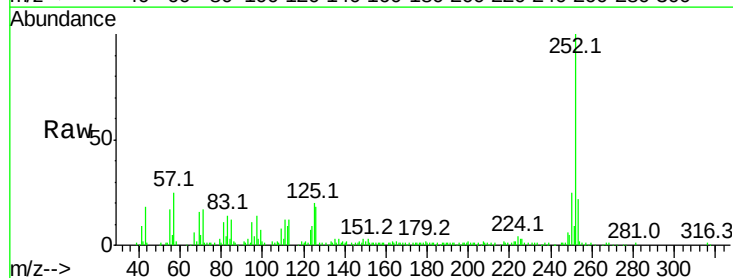
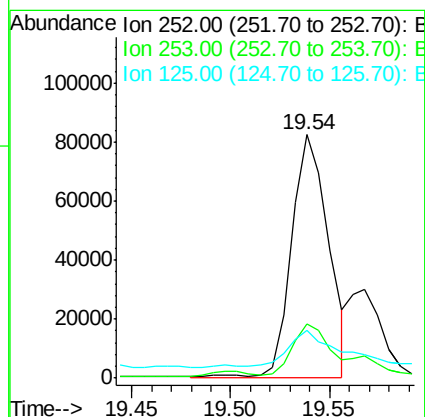
RT: 19.54 min Scan# 3069

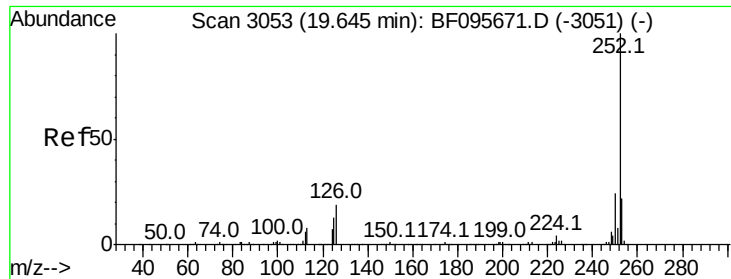
Delta R.T. -0.00 min

Lab File: BF096087.D

Acq: 21 Jun 2017 16:38

Tgt Ion:	252	Resp:	108432
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	19.6	9.8	14.8#





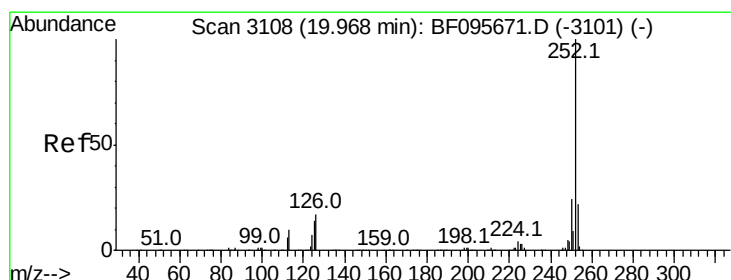
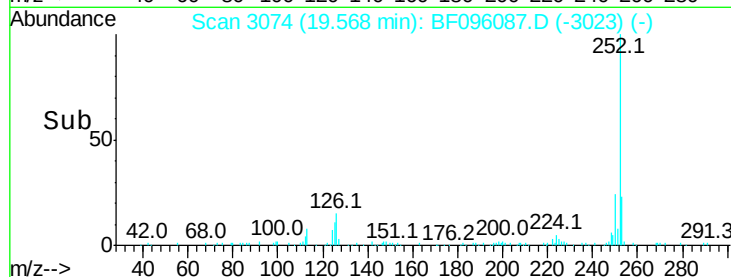
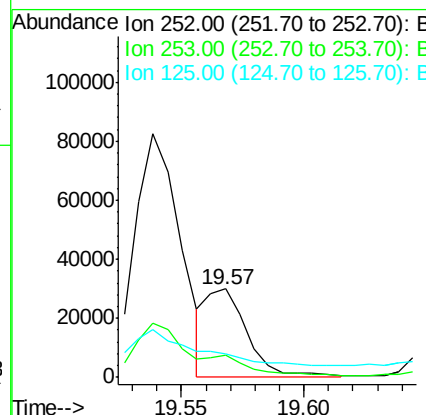
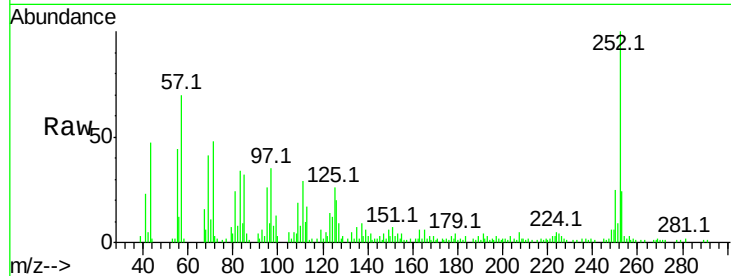
#88
Benzo(k)fluoranthene
Concen: 3.97 ng m
RT: 19.57 min Scan# 3074
Delta R.T. -0.00 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Instrument :
BNA_F
ClientSampleId :
TK4-DUP-20170619DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	26.3	13.1	19.7

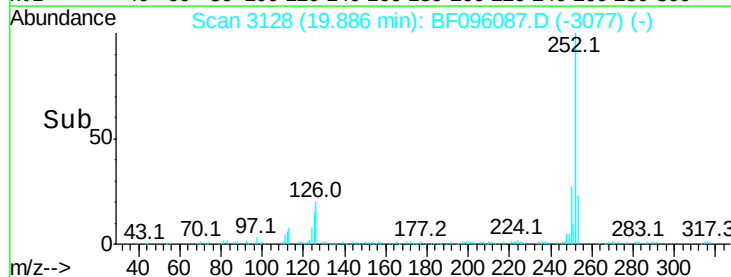
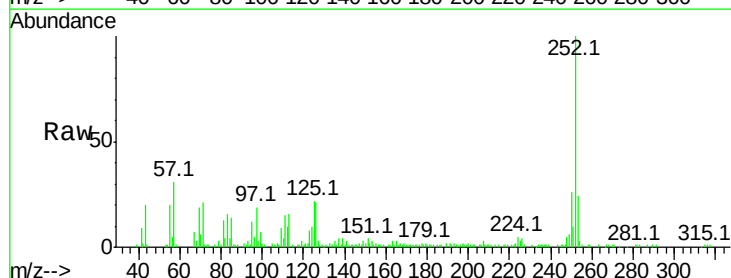
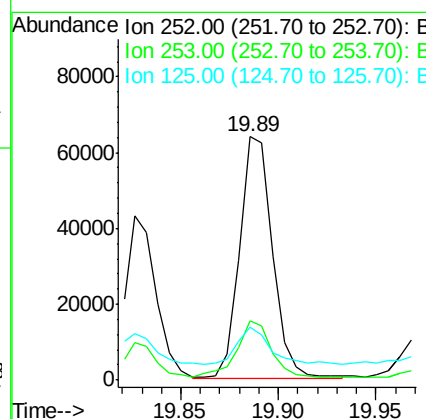
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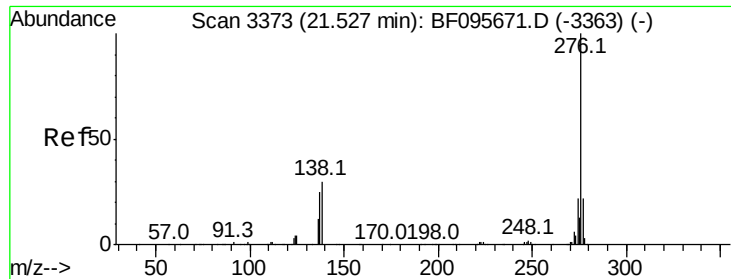
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#89
Benzo(a)pyrene
Concen: 8.87 ng
RT: 19.89 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BF096087.D
Acq: 21 Jun 2017 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	21.6	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.28 ng
 RT: 21.44 min Scan# 3392
 Delta R.T. 0.02 min
 Lab File: BF096087.D
 Acq: 21 Jun 2017 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TK4-DUP-20170619DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	31.0	18.6	28.0
138	37.3	25.4	38.0

Manual Integrations
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 6/22/2017 5:34:36 PM

