

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096096.D
 Acq On : 21 Jun 2017 21:28
 Operator : SJ/MA
 Sample : I3792-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061917

Manual Integrations
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Quant Time: Jun 22 01:53:32 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	77898	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	349452	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	138134	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	202958	20.00	ng	0.00
75) Chrysene-d12	18.27	240	181500	20.00	ng	0.00
86) Perylene-d12	19.94	264	118418	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	60045	12.28	ng	0.06
7) Phenol-d6	6.93	99	92716	15.84	ng	0.05
23) Nitrobenzene-d5	8.25	82	55694	9.90	ng	0.02
41) 2,4,6-Tribromophenol	13.46	330	17303	14.16	ng	0.01
44) 2-Fluorobiphenyl	11.10	172	140376	14.14	ng	0.00
78) Terphenyl-d14	16.92	244	107485	14.70	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	12.20	154	63099	7.18	ng	93
54) Dibenzofuran	12.49	168	46600	3.77	ng	98
57) Fluorene	13.04	166	78566	7.30	ng	96
70) Phenanthrene	14.58	178	800197	68.33	ng	98
71) Anthracene	14.66	178	313913	25.68	ng	97
74) Fluoranthene	16.38	202	1705279	147.13	ng	99
77) Pyrene	16.69	202	1501620	110.88	ng	99
80) Benzo(a)anthracene	18.27	228	706141	66.92	ng	99
82) Chrysene	18.31	228	522749	49.57	ng	99
85) Indeno(1,2,3-cd)pyrene	21.10	276	204412	22.65	ng	94
87) Benzo(b)fluoranthene	19.54	252	511593m	68.99	ng	
88) Benzo(k)fluoranthene	19.57	252	136529m	19.26	ng	
89) Benzo(a)pyrene	19.89	252	345212	50.65	ng	97
90) Dibenzo(a,h)anthracene	21.10	278	54378	9.41	ng	# 79
91) Benzo(a,h,i)perylene	21.43	276	183031	31.05	ng	97

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

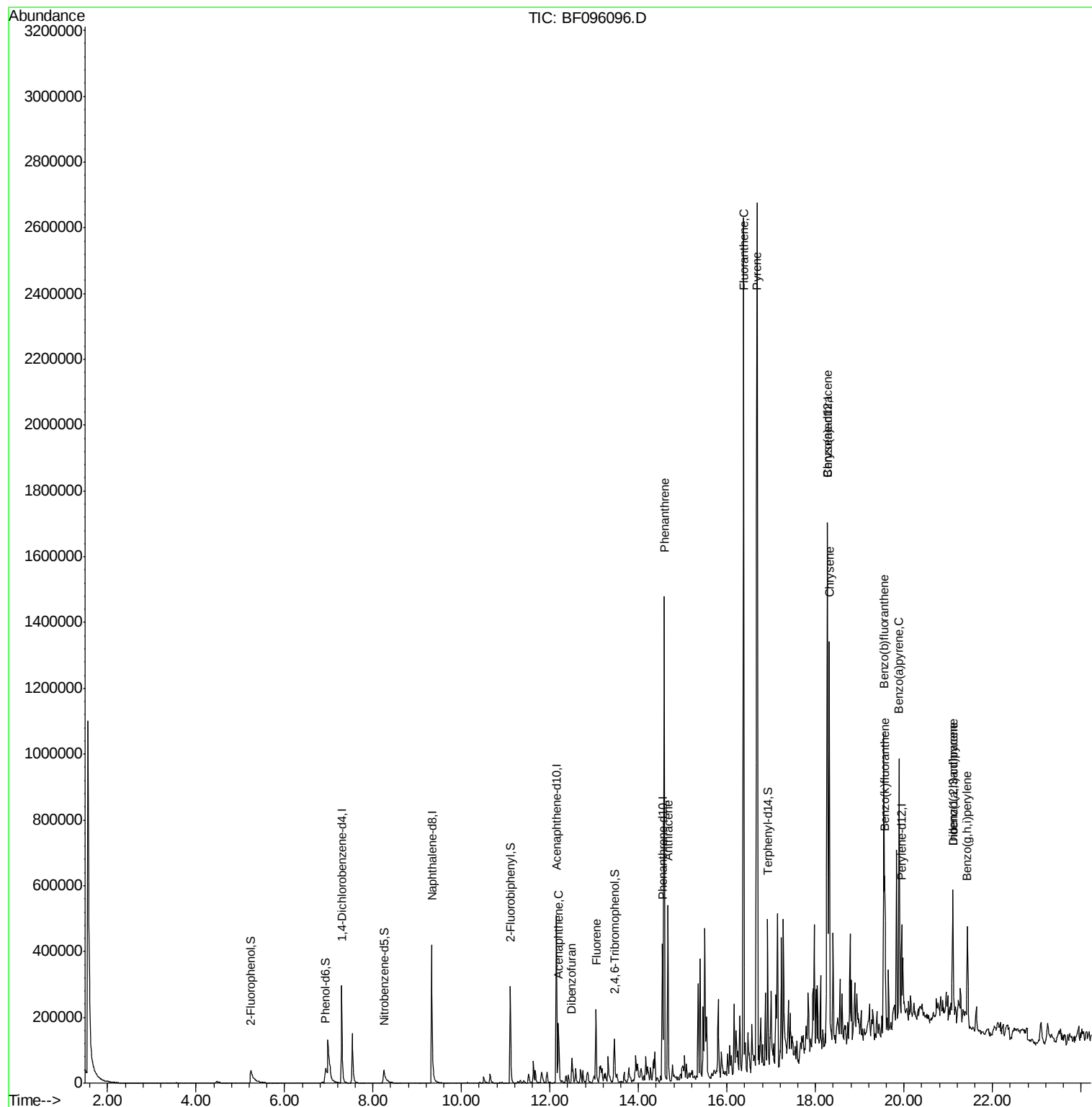
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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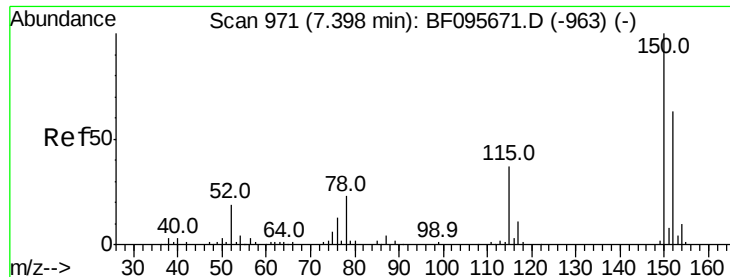
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.29 min Scan# 987

Delta R.T. 0.00 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Instrument :

BNA_F

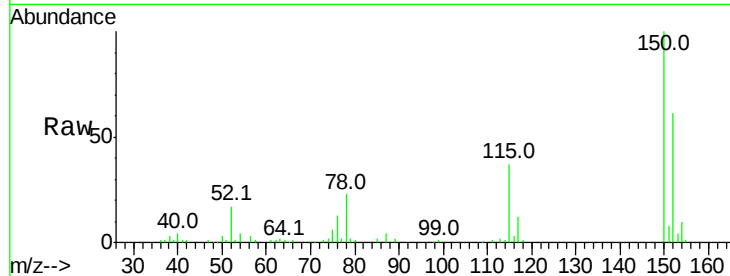
ClientSampleId :

OR-03-061917

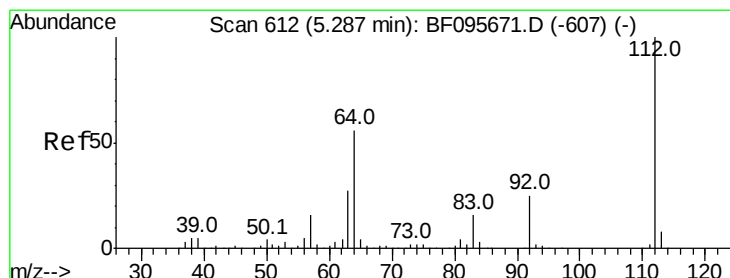
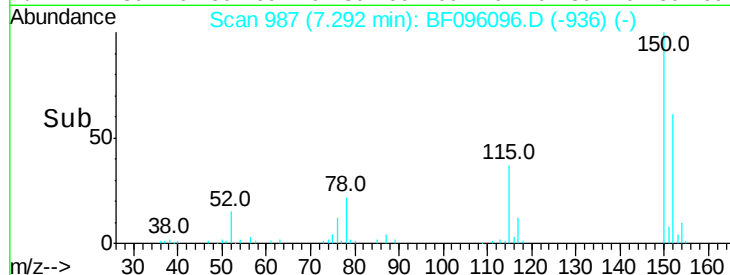
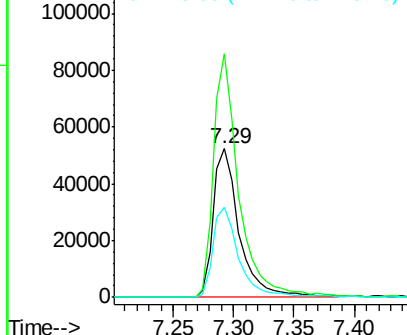
Tot Ion:	152	Resp:	77898
Ion Ratio	Lower	Upper	
152	100		
150	163.6	126.2	189.2
115	60.3	52.2	78.2

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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: 12.28 ng

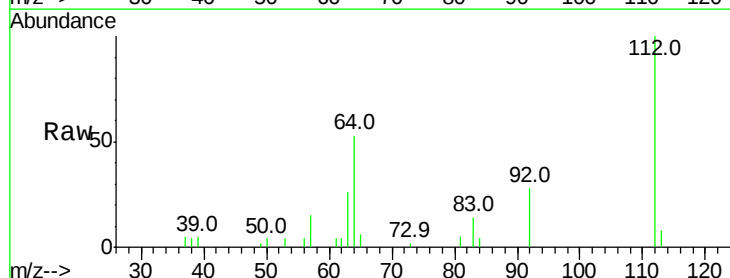
RT: 5.24 min Scan# 638

Delta R.T. 0.06 min

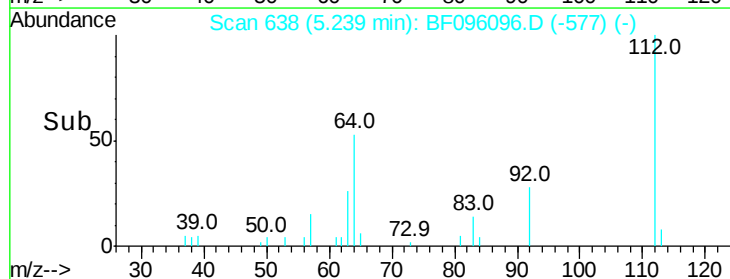
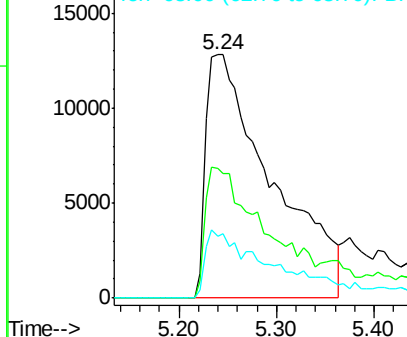
Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Tgt Ion:	112	Resp:	60045
Ion Ratio	Lower	Upper	
112	100		
64	53.1	46.0	69.0
63	25.5	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: 15.84 ng

RT: 6.93 min Scan# 925

Delta R.T. 0.05 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Instrument :

BNA_F

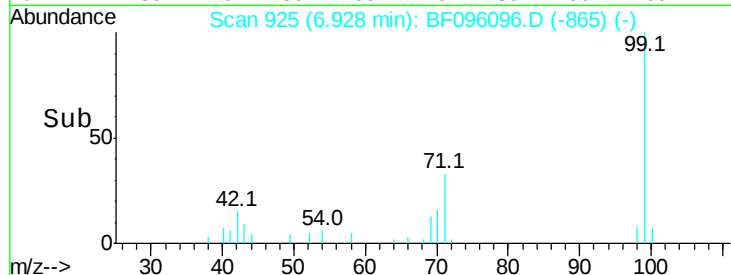
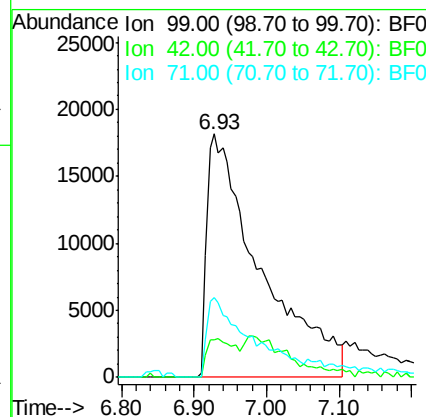
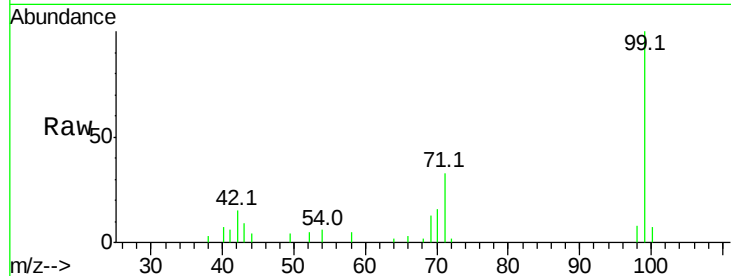
ClientSampleId :

OR-03-061917

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		92716		
42	15.3	13.5	20.3		
71	32.8	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

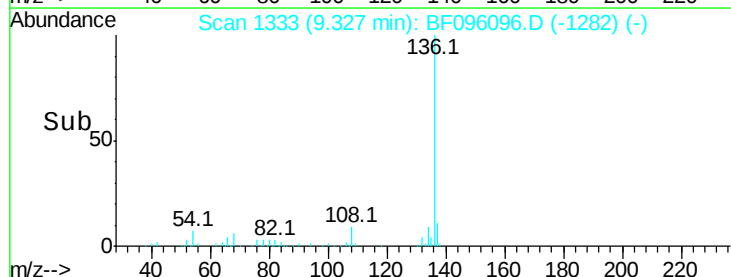
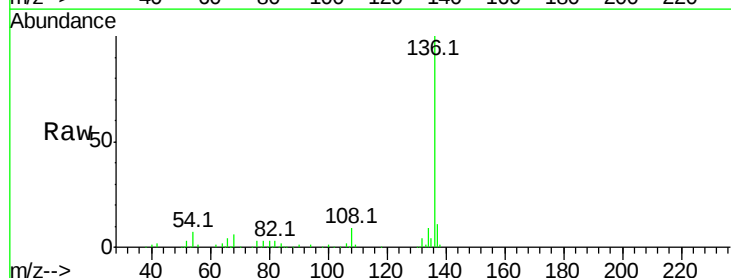
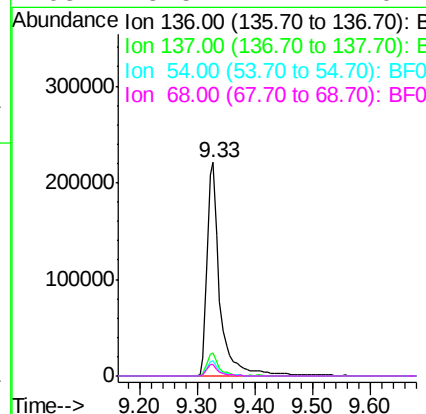
RT: 9.33 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		349452		
137	10.8	8.5	12.7		
54	7.1	4.9	7.3		
68	5.5	4.1	6.1		





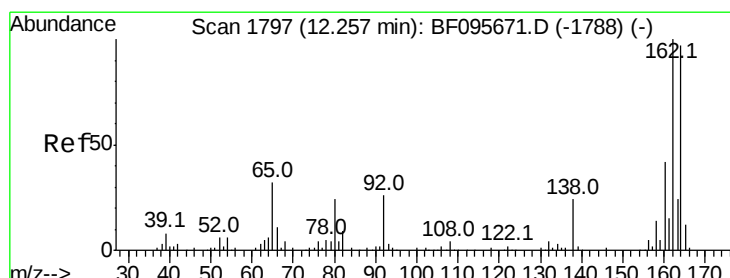
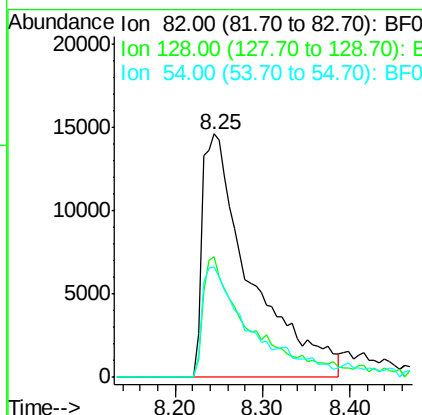
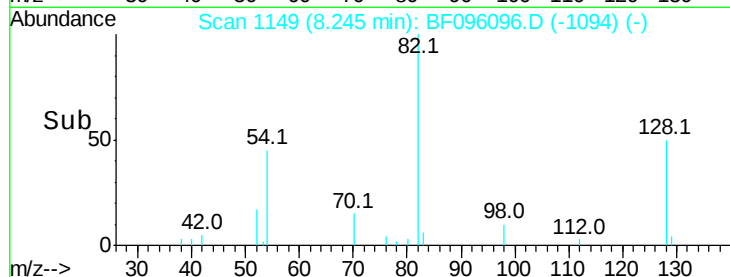
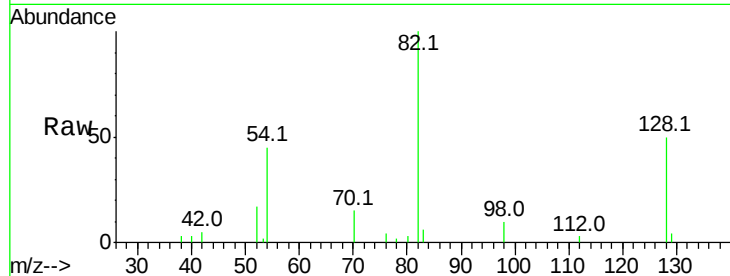
#23
 Nitrobenzene-d5
 Concen: 9.90 ng
 RT: 8.25 min Scan# 1149
 Delta R.T. 0.02 min
 Lab File: BF096096.D
 Acq: 21 Jun 2017 21:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061917

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.7	34.0	51.0
54	45.3	42.2	63.2

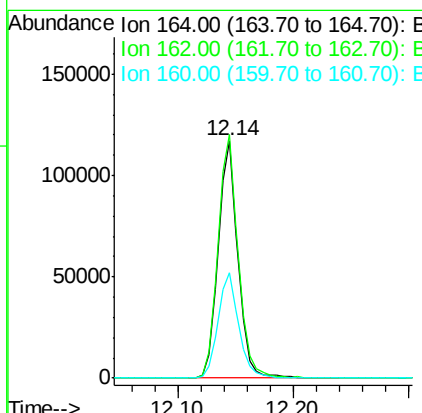
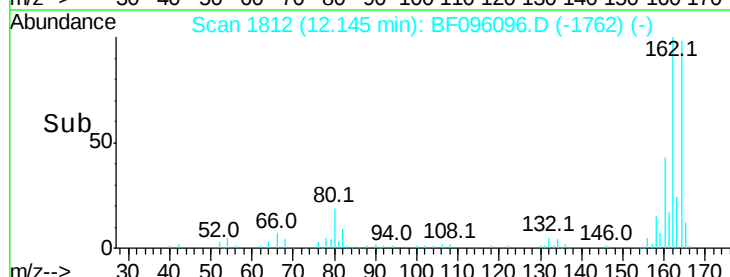
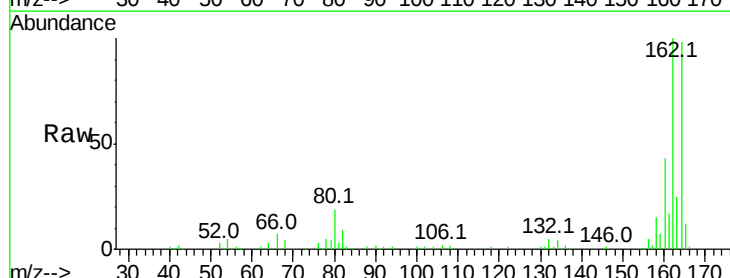
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096096.D
 Acq: 21 Jun 2017 21:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	82.6	123.8
160	44.4	36.2	54.2





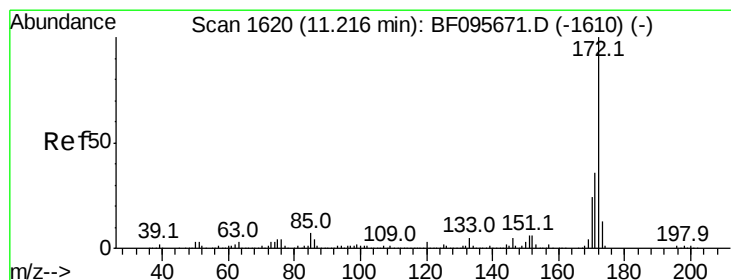
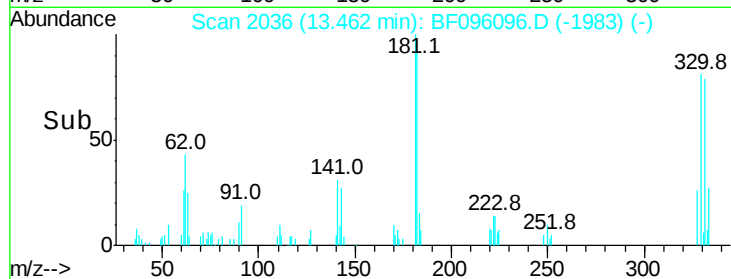
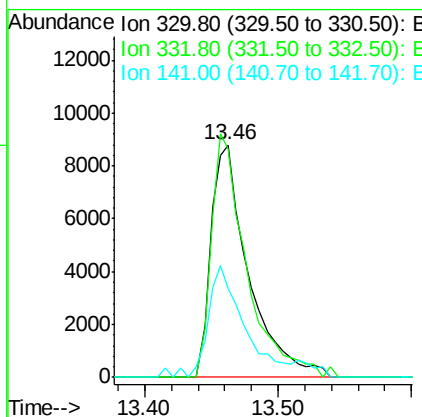
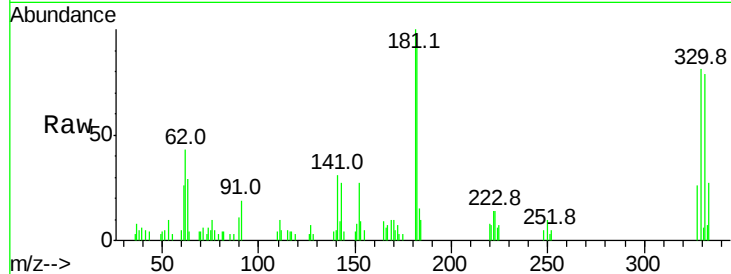
#41
 2,4,6-Tribromophenol
 Concen: 14.16 ng
 RT: 13.46 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF096096.D
 Acq: 21 Jun 2017 21:28

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061917

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.0	76.6	115.0
141	46.5	31.4	47.2

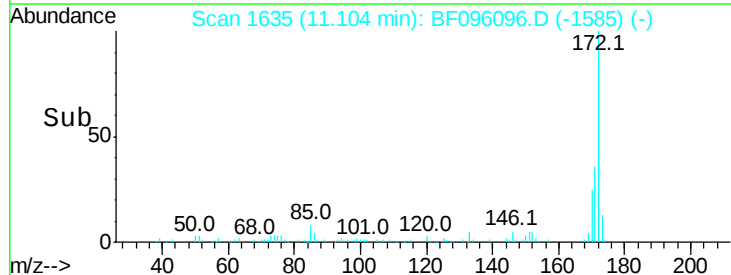
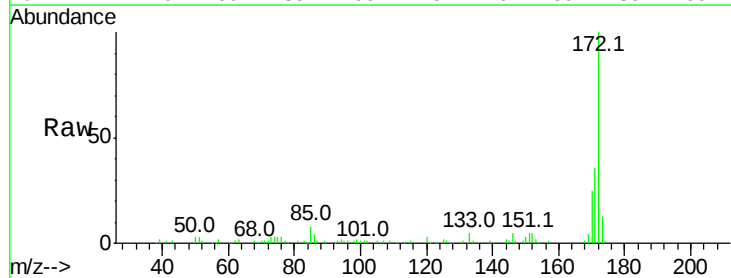
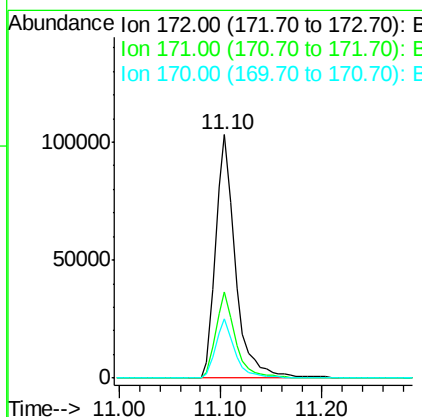
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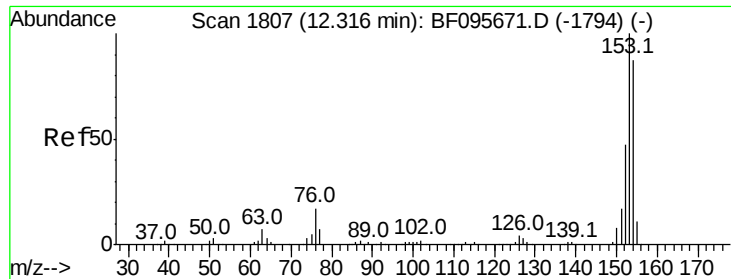
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#44
 2-Fluorobiphenyl
 Concen: 14.14 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096096.D
 Acq: 21 Jun 2017 21:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.5	19.8	29.8





#51

Acenaphthene

Concen: 7.18 ng

RT: 12.20 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Instrument :

BNA_F

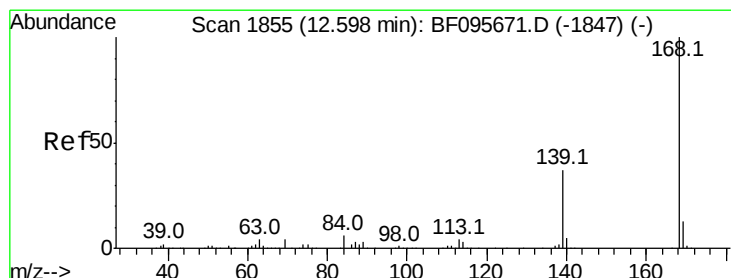
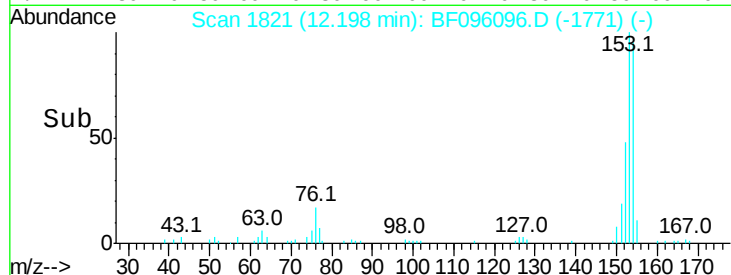
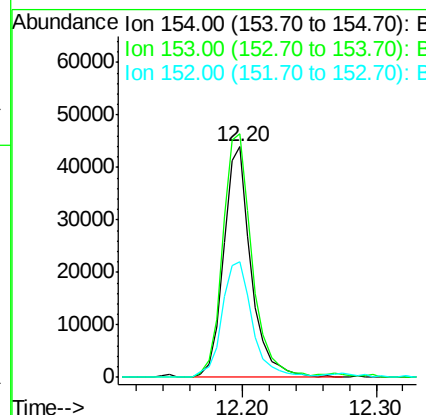
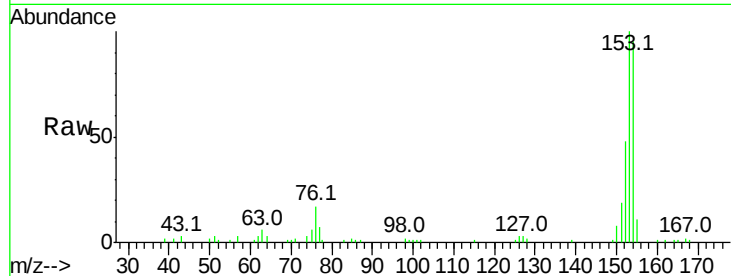
ClientSampleId :

OR-03-061917

Tot Ion:	154	Resp:	63099
Ion Ratio	Lower	Upper	
154	100		
153	105.7	90.5	135.7
152	50.3	43.6	65.4

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#54

Dibenzofuran

Concen: 3.77 ng

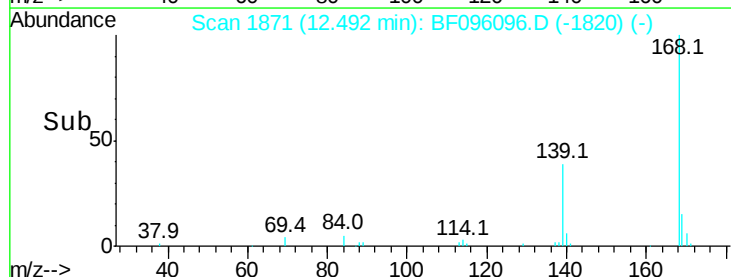
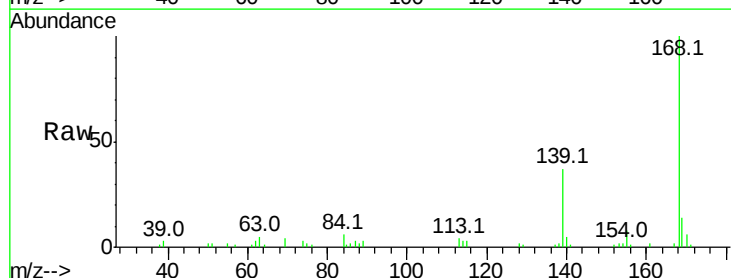
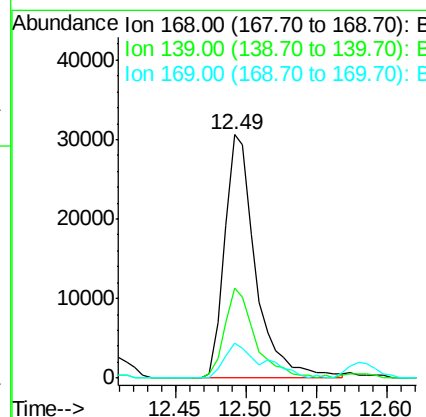
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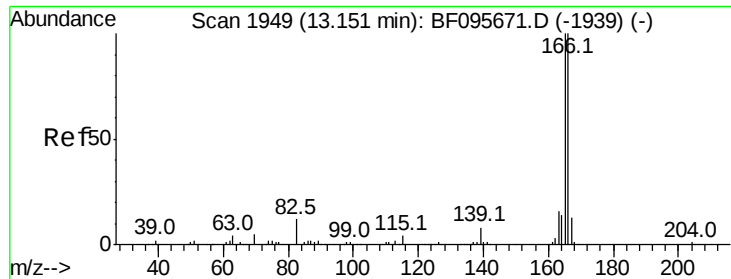
Delta R.T. 0.00 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Tgt Ion:	168	Resp:	46600
Ion Ratio	Lower	Upper	
168	100		
139	36.9	30.6	45.8
169	14.2	10.8	16.2





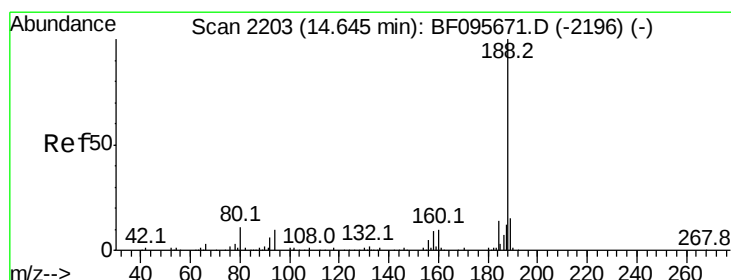
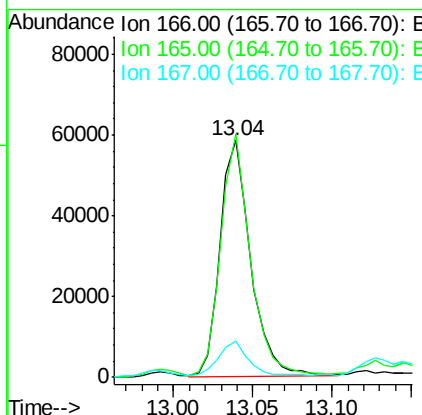
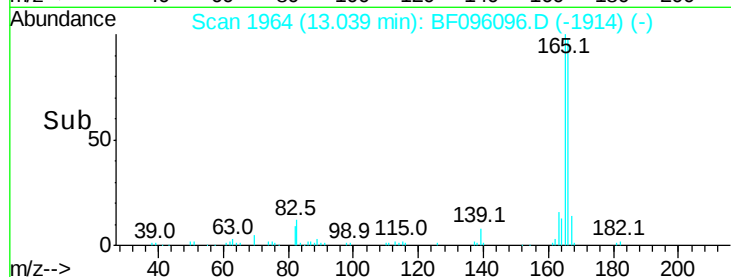
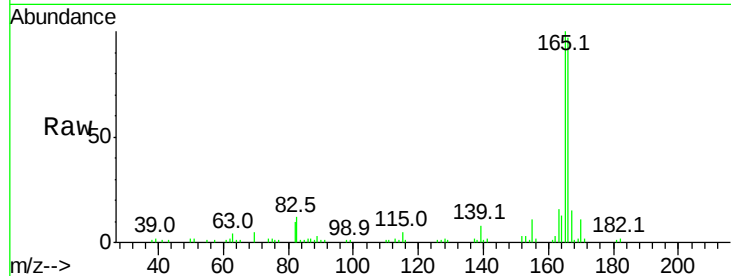
#57
Fluorene
 Concen: 7.30 ng
 RT: 13.04 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BF096096.D
 Acq: 21 Jun 2017 21:28

Instrument :
 BNA_F
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 OR-03-061917

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.8	78.8	118.2
167	15.3	10.6	16.0

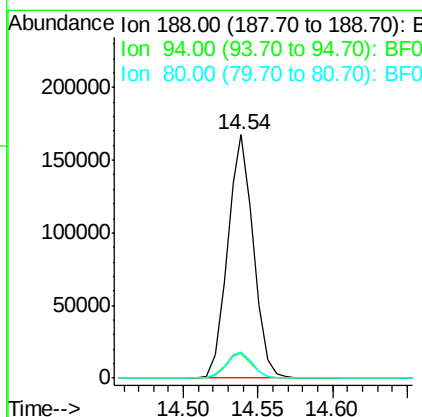
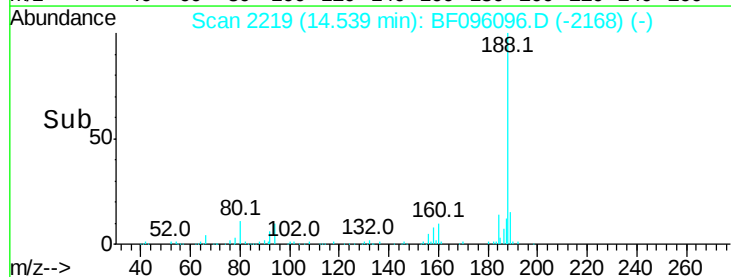
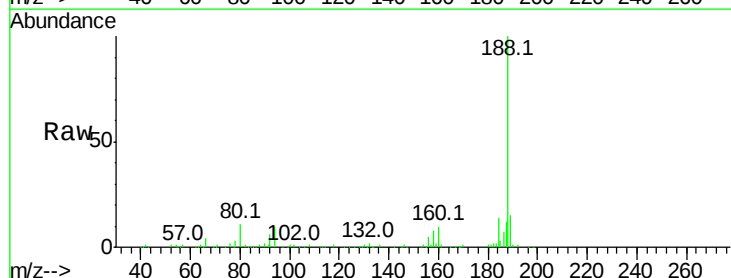
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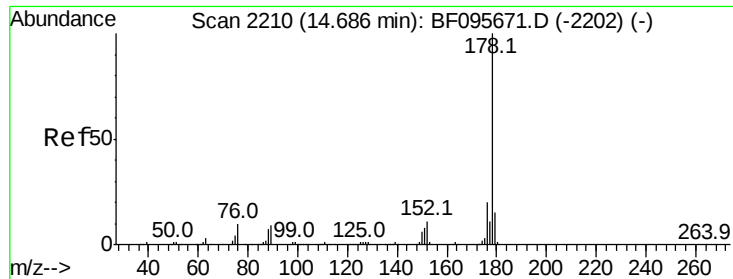
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.54 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: BF096096.D
 Acq: 21 Jun 2017 21:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	10.9	10.2	15.2





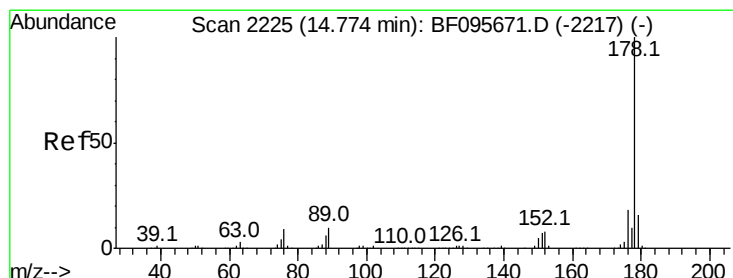
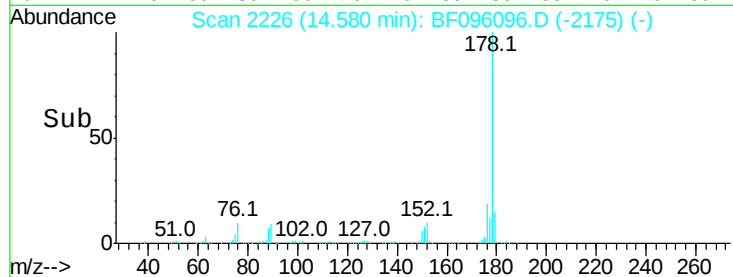
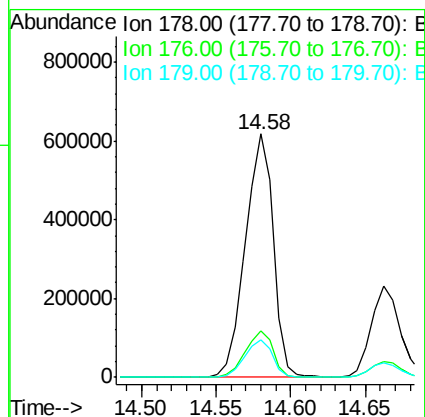
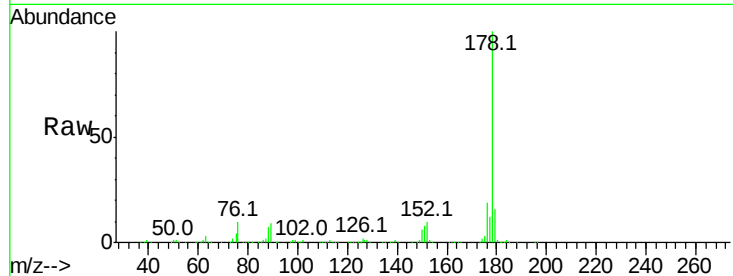
#70
Phenanthrene
Concen: 68.33 ng
RT: 14.58 min Scan# 2226
Delta R.T. 0.00 min
Lab File: BF096096.D
Acq: 21 Jun 2017 21:28

Instrument :
BNA_F
ClientSampleId :
OR-03-061917

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.6	12.6	19.0

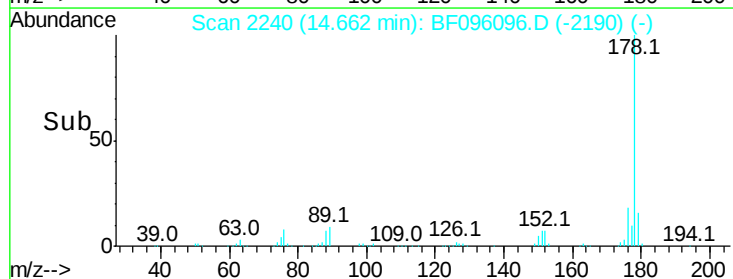
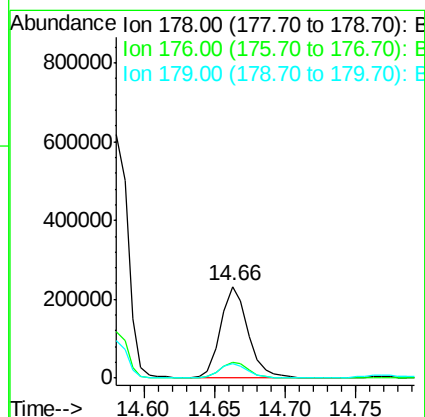
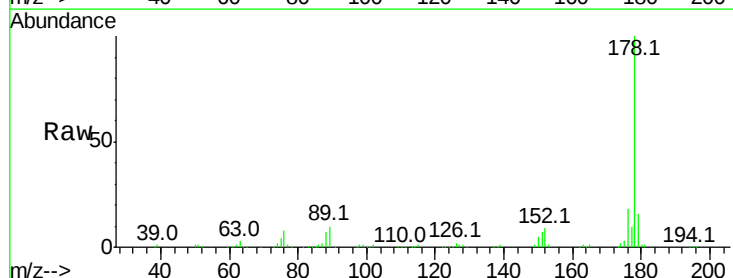
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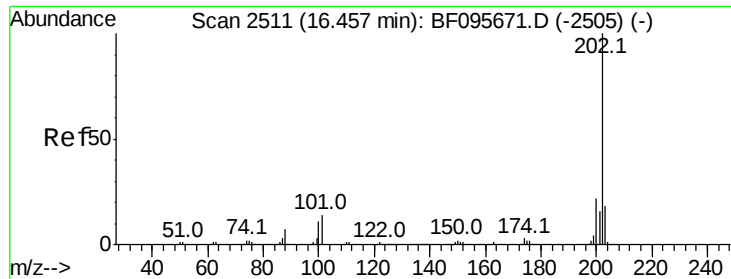
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#71
Anthracene
Concen: 25.68 ng
RT: 14.66 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF096096.D
Acq: 21 Jun 2017 21:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.8	23.8
179	16.1	12.7	19.1





#74

Fluoranthene

Concen: 147.13 ng

RT: 16.38 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Instrument :

BNA_F

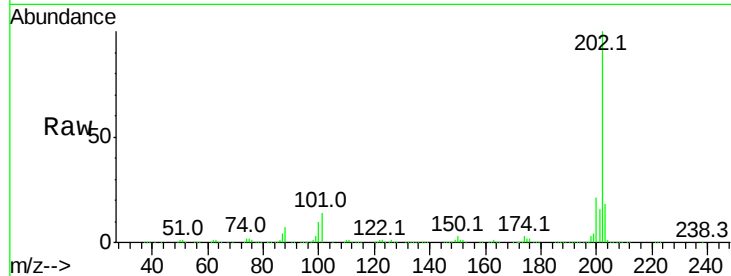
ClientSampled :

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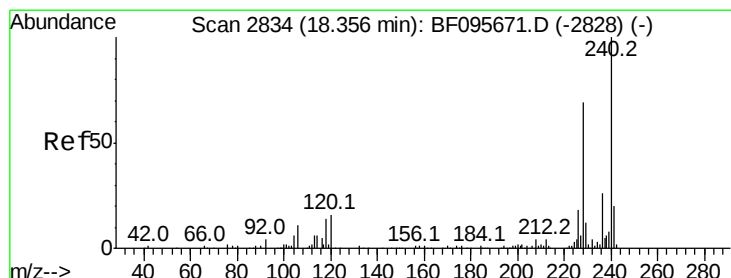
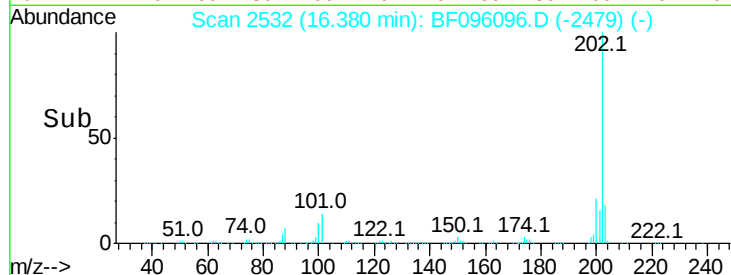
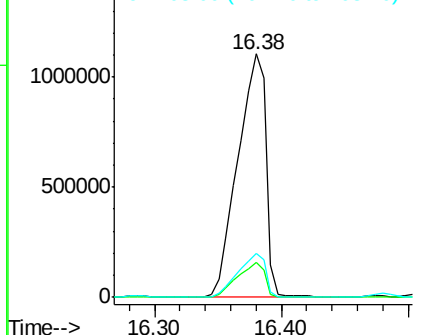
Tot Ion:	202	Resp:	1705279
Ion Ratio	Lower	Upper	
202	100		
101	14.3	0.0	33.2
203	17.9	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2854

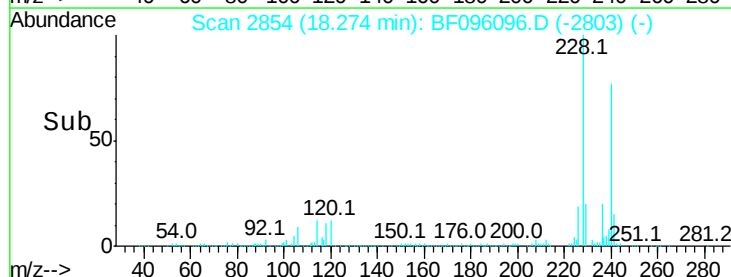
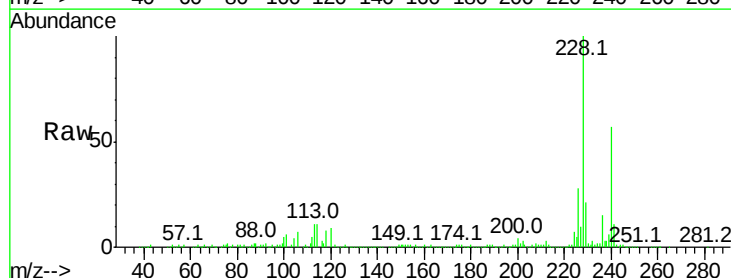
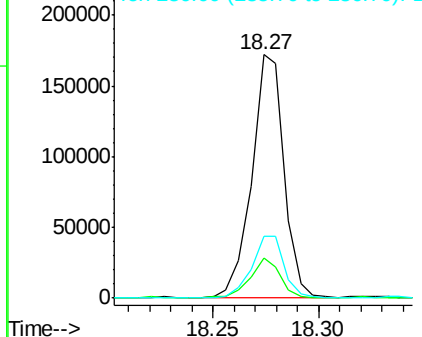
Delta R.T. 0.00 min

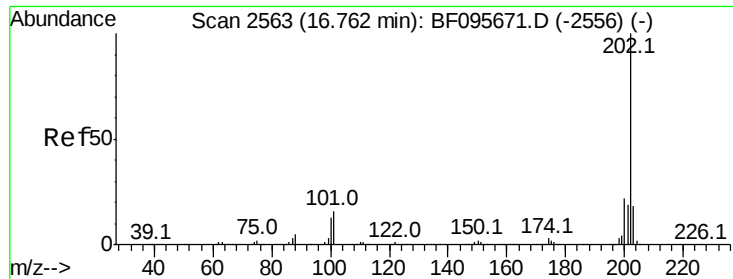
Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Tgt Ion:	240	Resp:	181500
Ion Ratio	Lower	Upper	
240	100		
120	16.2	5.8	8.8#
236	25.6	20.5	30.7

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





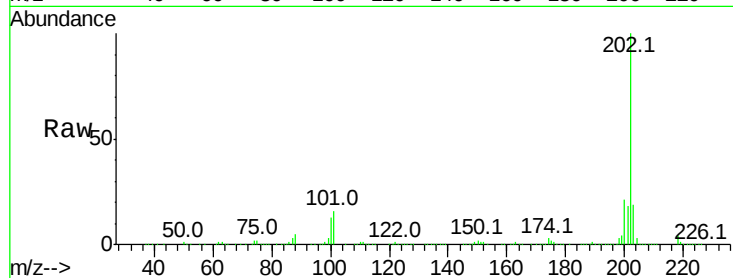
#77
Pvrene
Concen: 110.88 ng
RT: 16.69 min Scan# 2584
Delta R.T. 0.02 min
Lab File: BF096096.D
Acq: 21 Jun 2017 21:28

Instrument :
BNA_F
ClientSampled :
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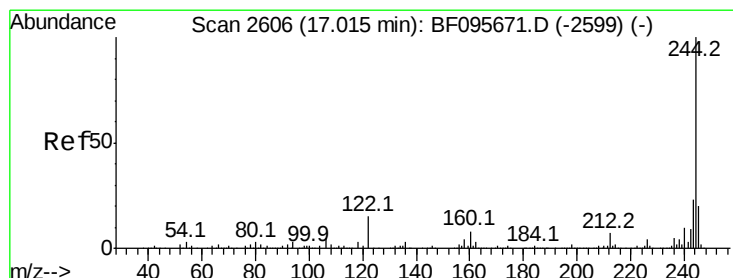
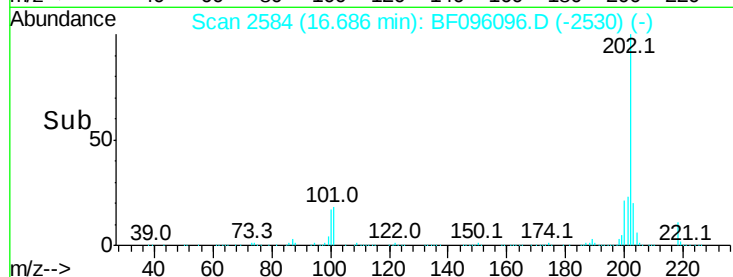
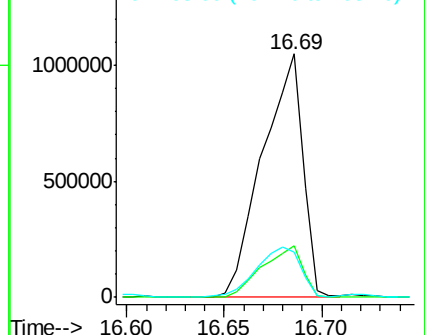
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.6	14.4	21.6

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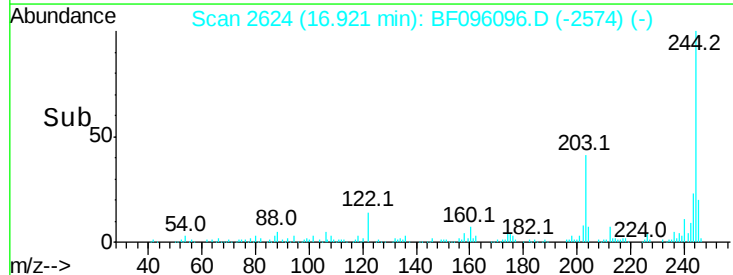
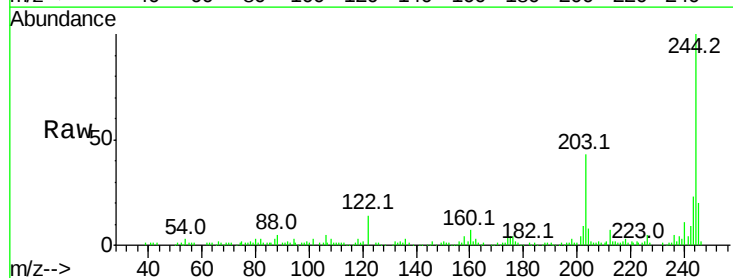
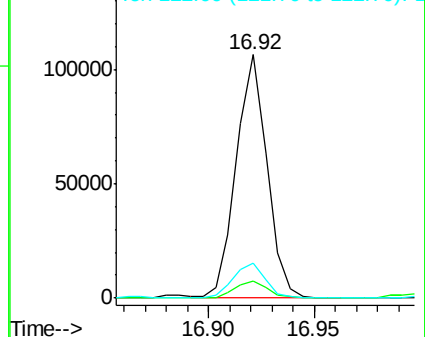
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

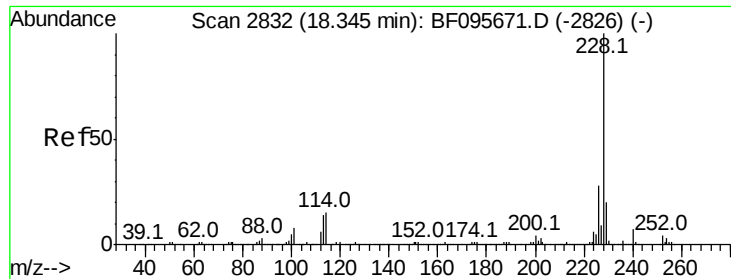


#78
Terphenyl-d14
Concen: 14.70 ng
RT: 16.92 min Scan# 2624
Delta R.T. -0.01 min
Lab File: BF096096.D
Acq: 21 Jun 2017 21:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.3	10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 66.92 ng

RT: 18.27 min Scan# 2853

Delta R.T. 0.01 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Instrument :

BNA_F

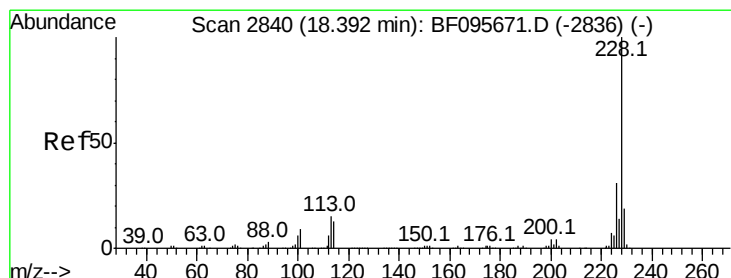
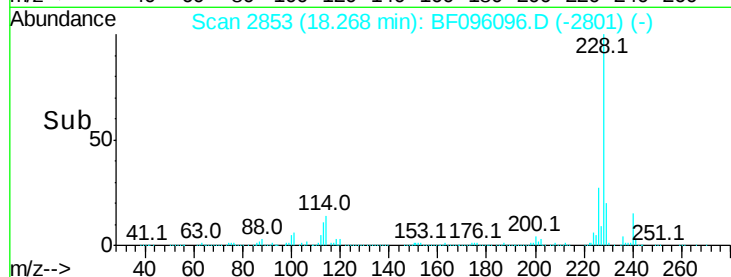
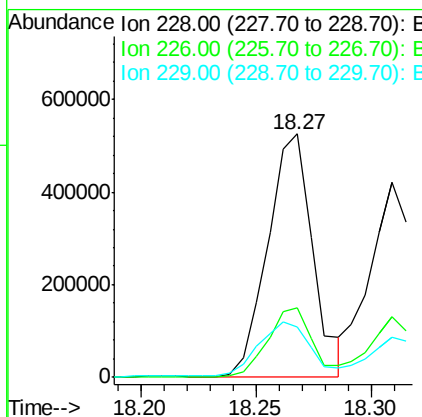
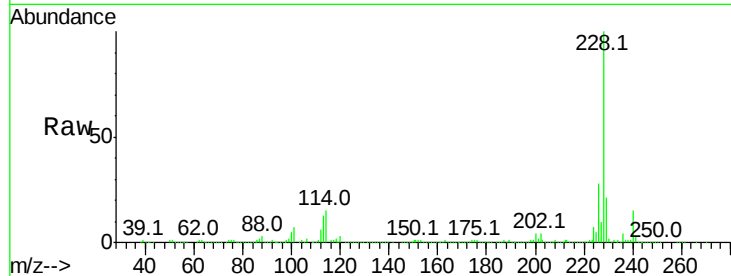
ClientSampleId :

OR-03-061917

Tot Ion:	228	Resp:	706141
Ion Ratio	Lower	Upper	
228	100		
226	28.4	22.6	33.8
229	20.9	16.3	24.5

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#82

Chrysene

Concen: 49.57 ng

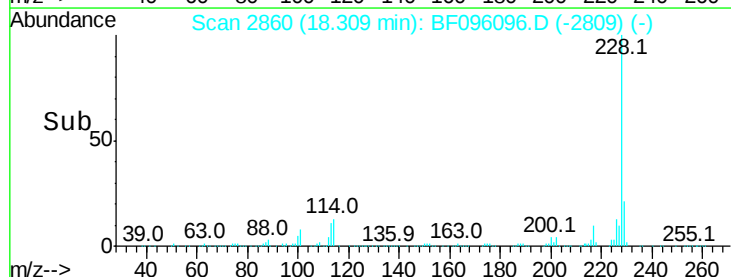
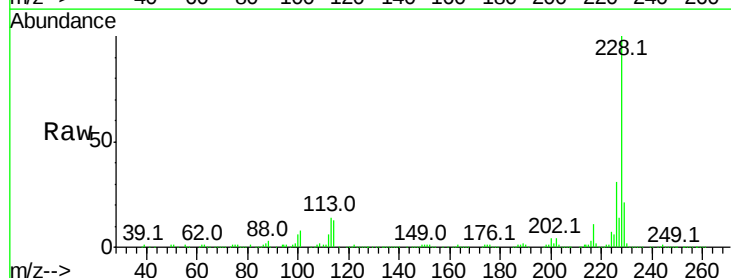
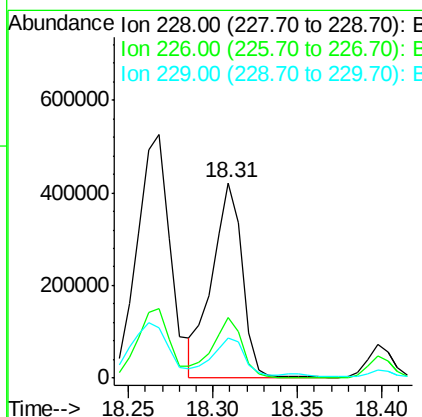
RT: 18.31 min Scan# 2860

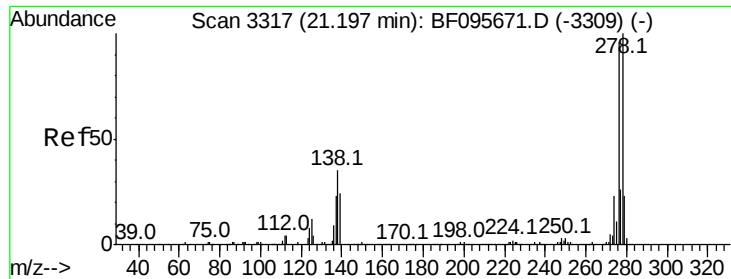
Delta R.T. 0.00 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Tgt Ion:	228	Resp:	522749
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	20.8	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 22.65 ng

RT: 21.10 min Scan# 3335

Delta R.T. 0.01 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Instrument :

BNA_F

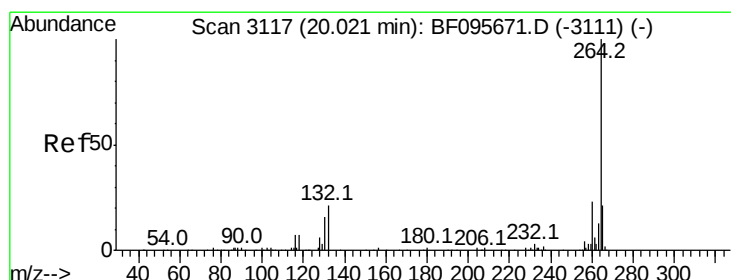
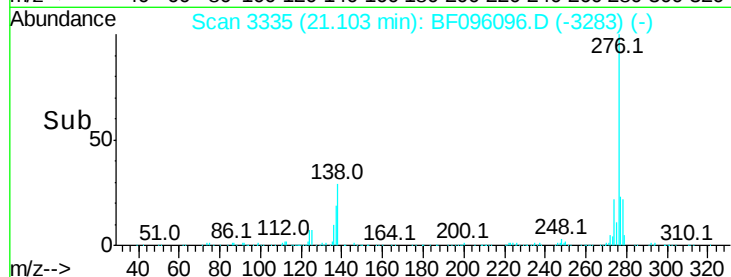
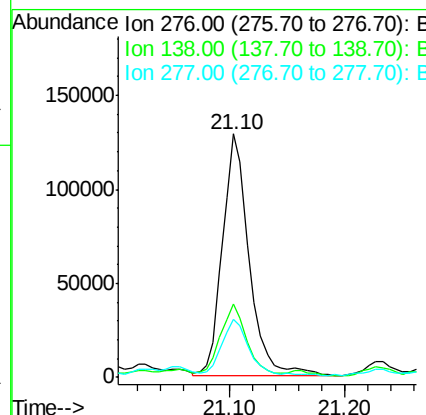
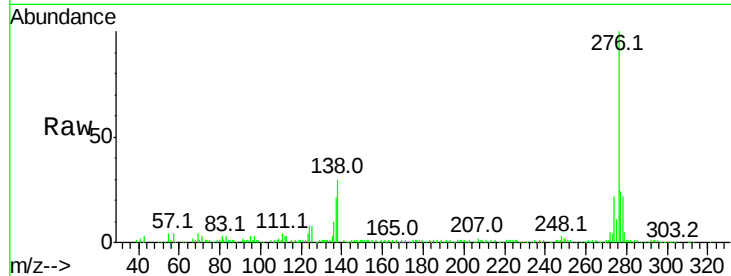
ClientSampleId :

OR-03-061917

Tot Ion:	276	Resp:	204412
Ion Ratio	Lower	Upper	
276	100		
138	29.6	27.8	41.6
277	24.0	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

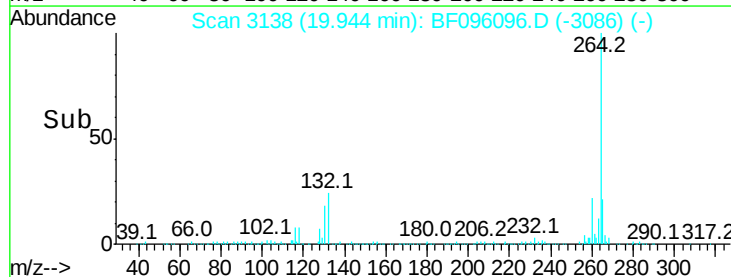
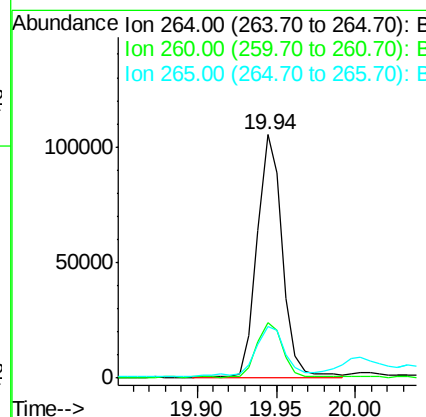
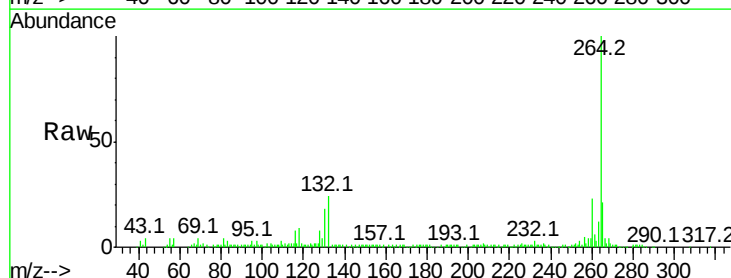
RT: 19.94 min Scan# 3138

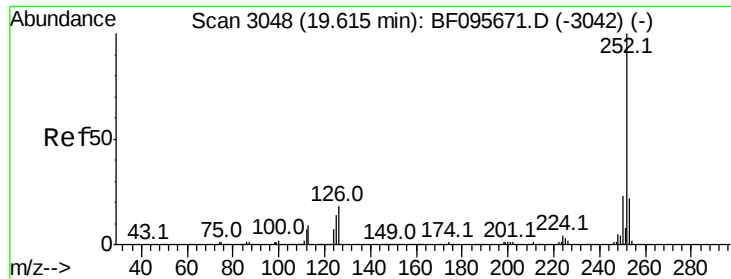
Delta R.T. 0.01 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Tgt Ion:	264	Resp:	118418
Ion Ratio	Lower	Upper	
264	100		
260	22.6	19.5	29.3
265	21.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 68.99 ng m

RT: 19.54 min Scan# 3070

Delta R.T. 0.01 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Instrument :

BNA_F

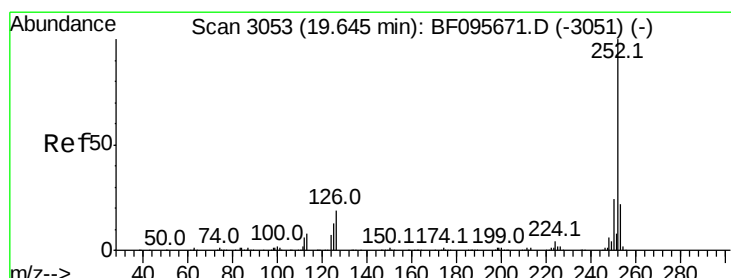
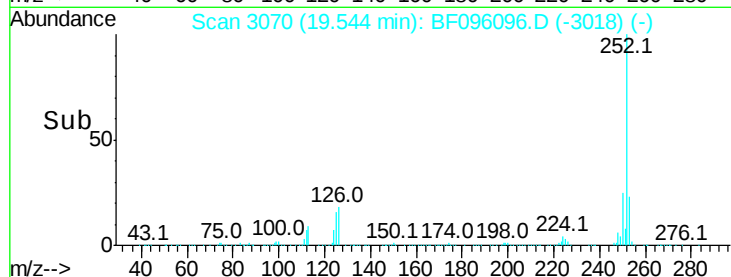
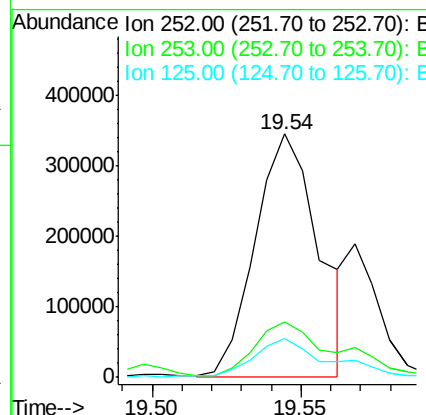
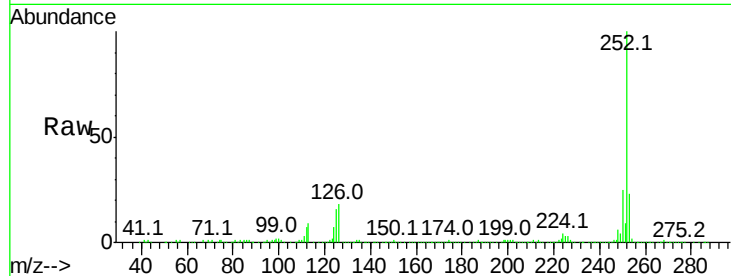
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	16.0	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 19.26 ng m

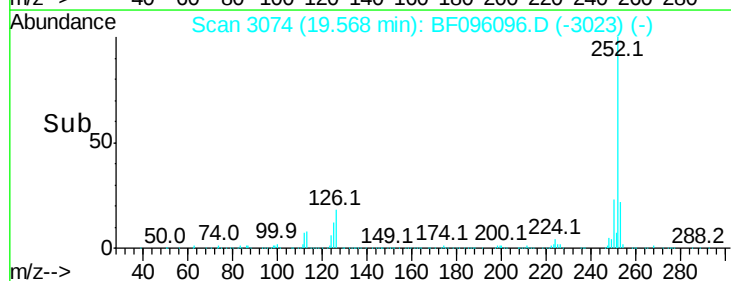
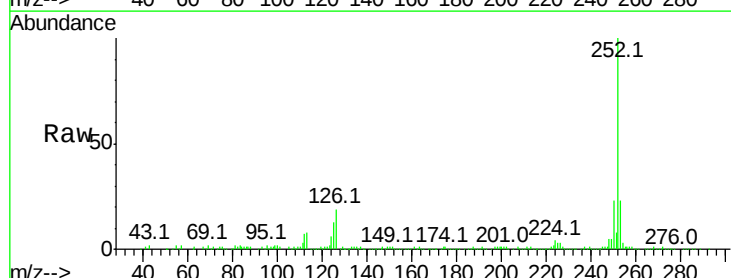
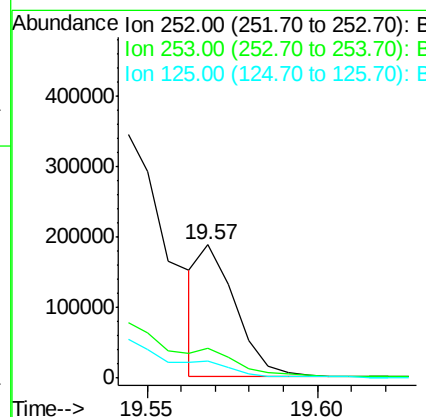
RT: 19.57 min Scan# 3074

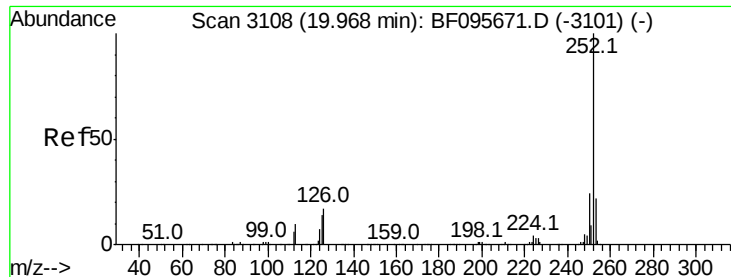
Delta R.T. 0.00 min

Lab File: BF096096.D

Acq: 21 Jun 2017 21:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	12.8	13.1	19.7





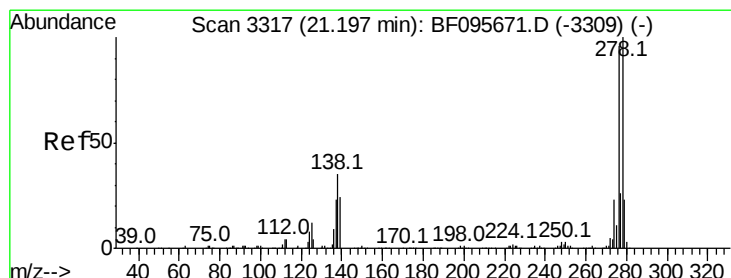
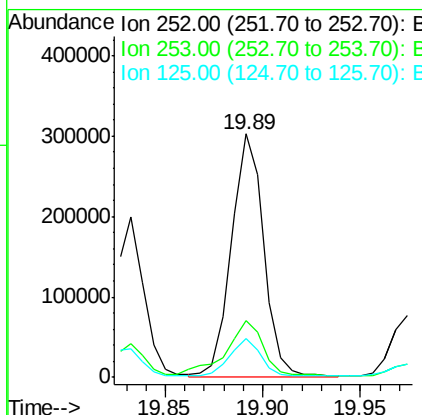
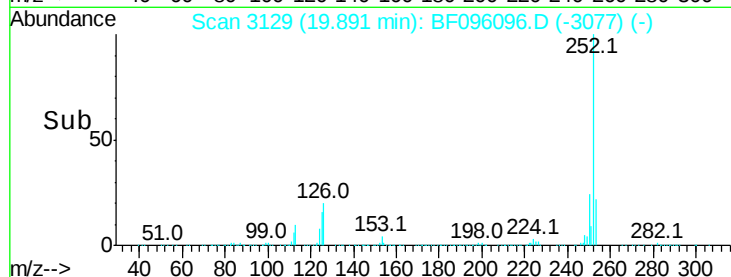
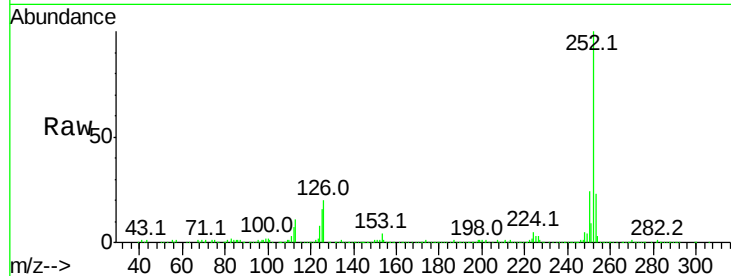
#89
Benzo(a)pyrene
Concen: 50.65 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096096.D
Acq: 21 Jun 2017 21:28

Instrument :
BNA_F
ClientSampleId :
OR-03-061917

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.7	11.0	16.4

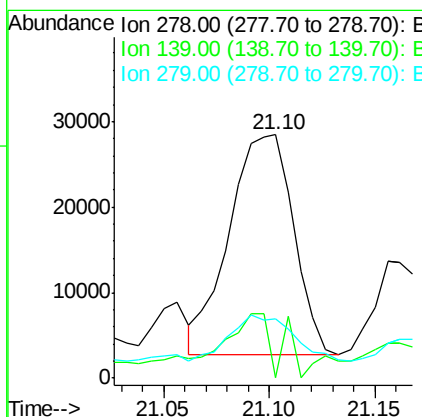
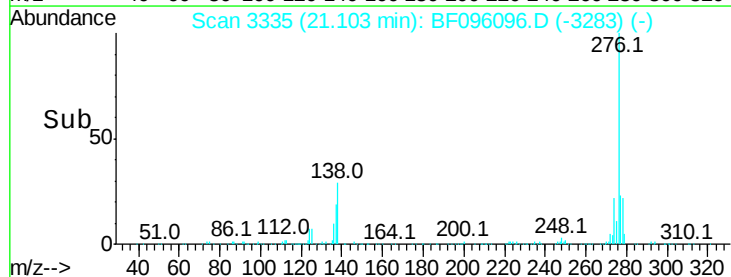
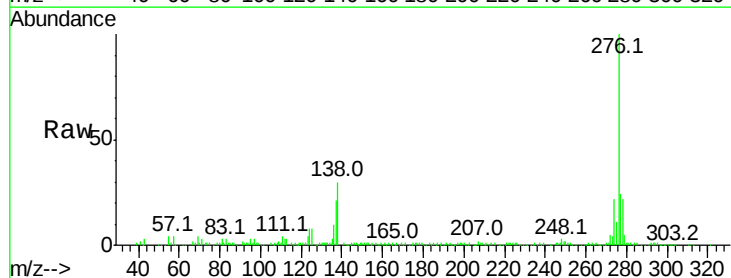
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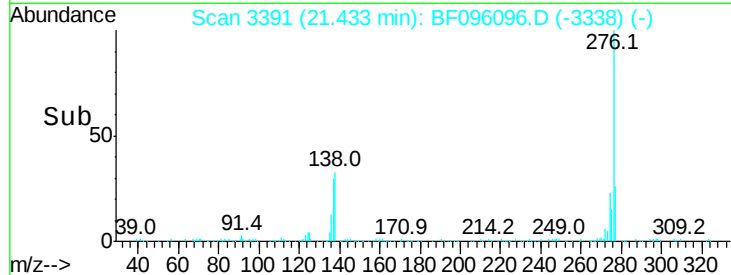
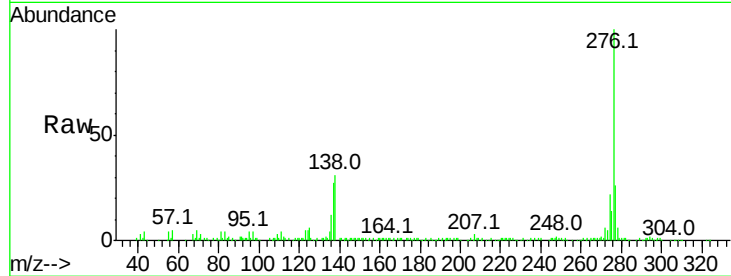
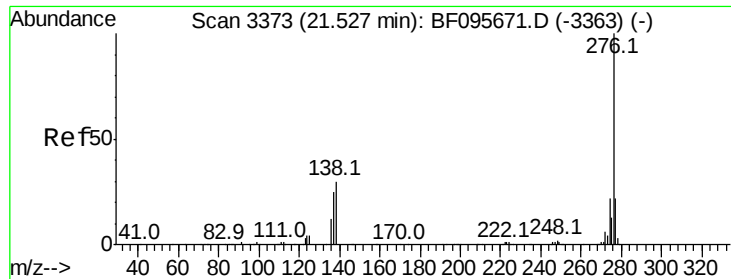
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#90
Dibenzo(a,h)anthracene
Concen: 9.41 ng
RT: 21.10 min Scan# 3335
Delta R.T. 0.01 min
Lab File: BF096096.D
Acq: 21 Jun 2017 21:28

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	24.4	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 31.05 ng
 RT: 21.43 min Scan# 3391
 Delta R.T. 0.01 min
 Lab File: BF096096.D
 Acq: 21 Jun 2017 21:28

Tot Ion:	276	Resp:	183031
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.6	28.0
138	30.5	25.4	38.0

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061917

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