

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096114.D
 Acq On : 22 Jun 2017 9:05
 Operator : SJ/MA
 Sample : I3792-01DL 25X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061917DL

Manual Integrations
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Quant Time: Jun 22 11:10:56 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	7.30	152	68589	20.00	ng	0.00
21) Naphthalene-d8	9.33	136	307743	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	105866	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	189566	20.00	ng	0.00
75) Chrysene-d12	18.27	240	162141	20.00	ng	0.00
86) Perylene-d12	19.94	264	97290	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1765	0.41	ng	0.26
7) Phenol-d6	7.13	99	17697m	3.43	ng	0.25
23) Nitrobenzene-d5	8.36	82	6417m	1.29	ng	0.14
41) 2,4,6-Tribromophenol	13.50	330	1827	1.95	ng	0.05
44) 2-Fluorobiphenyl	11.12	172	23621	3.10	ng	0.00
78) Terphenyl-d14	16.92	244	20600	3.15	ng	0.00
Target Compounds						
70) Phenanthrene	14.57	178	183726	16.80	ng	Qvalue 98
71) Anthracene	14.67	178	65615	5.75	ng	99
74) Fluoranthene	16.36	202	399394	36.89	ng	98
77) Pyrene	16.67	202	339732	28.08	ng	96
80) Benzo(a)anthracene	18.26	228	143953	15.27	ng	97
82) Chrysene	18.30	228	112550	11.95	ng	98
85) Indeno(1,2,3-cd)pyrene	21.11	276	40249	4.99	ng	# 91
87) Benzo(b)fluoranthene	19.54	252	103493m	16.99	ng	
88) Benzo(k)fluoranthene	19.57	252	42589m	7.31	ng	
89) Benzo(a)pyrene	19.89	252	78847	14.08	ng	97
90) Dibenzo(a,h)anthracene	21.10	278	10401m	2.19	ng	
91) Benzo(a,h,i)perylene	21.44	276	36064	7.45	ng	100

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

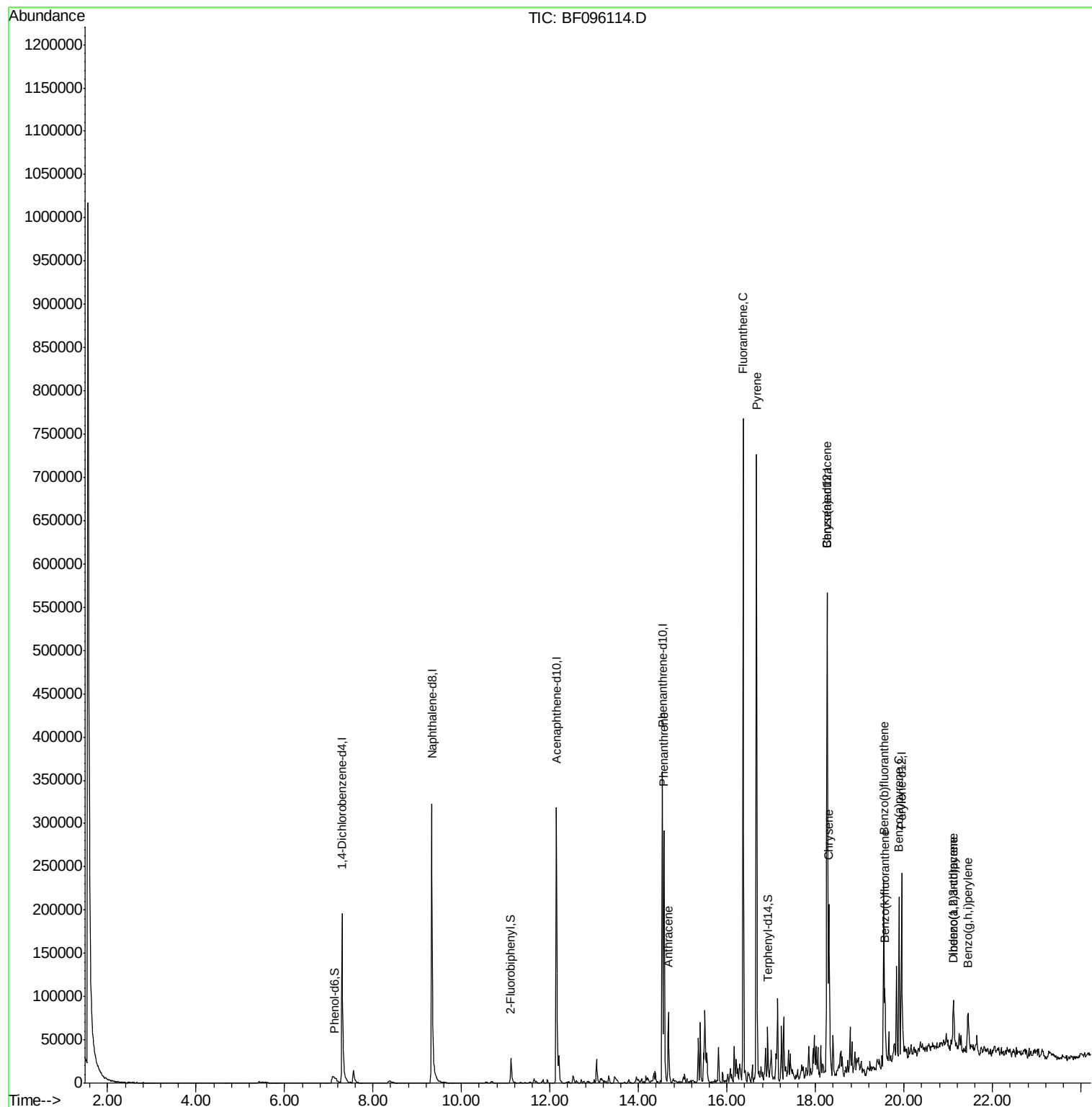
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
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ALS Vial : 33 Sample Multiplier: 1

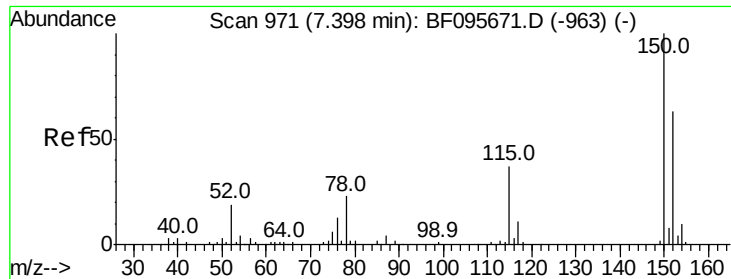
Instrument :
BNA_F
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OR-03-061917DL

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.30 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF096114.D

Acq: 22 Jun 2017 9:05

Instrument :

BNA_F

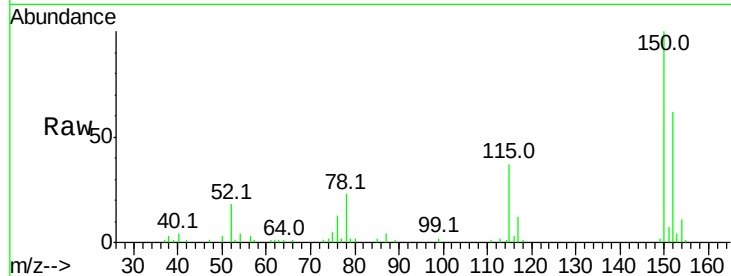
ClientSampleId :

OR-03-061917DL

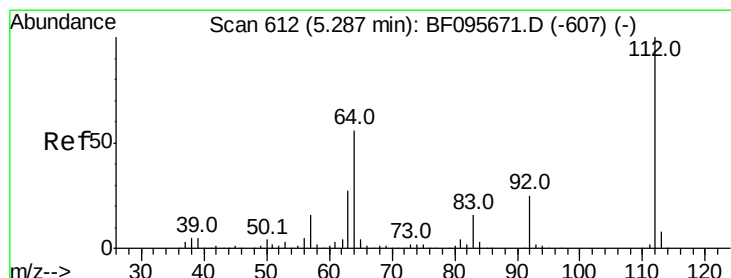
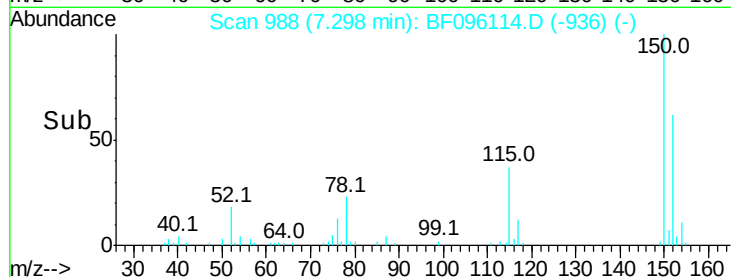
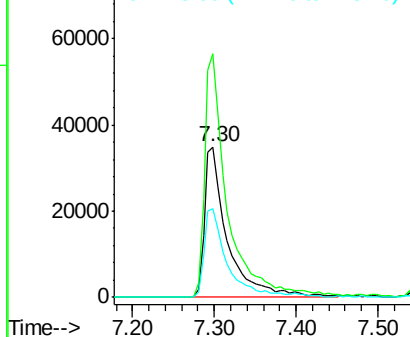
Tot Ion:	152	Resp:	68589
Ion Ratio	Lower	Upper	
152	100		
150	162.0	126.2	189.2
115	59.3	52.2	78.2

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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: 0.41 ng

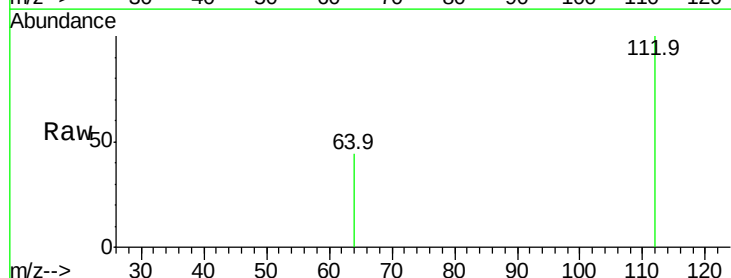
RT: 5.44 min Scan# 672

Delta R.T. 0.26 min

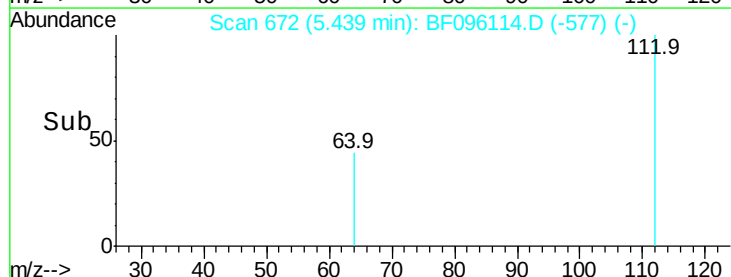
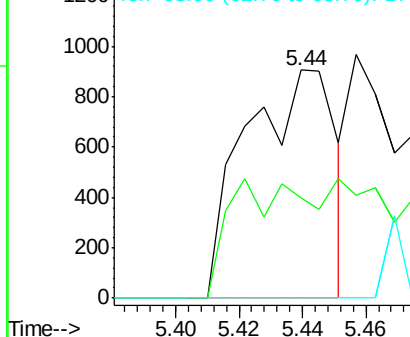
Lab File: BF096114.D

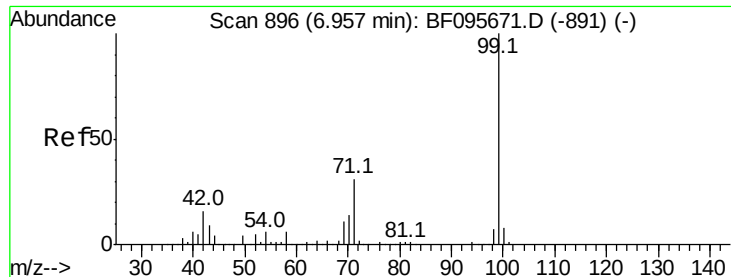
Acq: 22 Jun 2017 9:05

Tgt Ion:	112	Resp:	1765
Ion Ratio	Lower	Upper	
112	100		
64	44.2	46.0	69.0#
63	0.0	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: 3.43 ng/mL

RT: 7.13 min Scan# 959

Delta R.T. 0.25 min

Lab File: BF096114.D

Acq: 22 Jun 2017 9:05

Instrument :

BNA_F

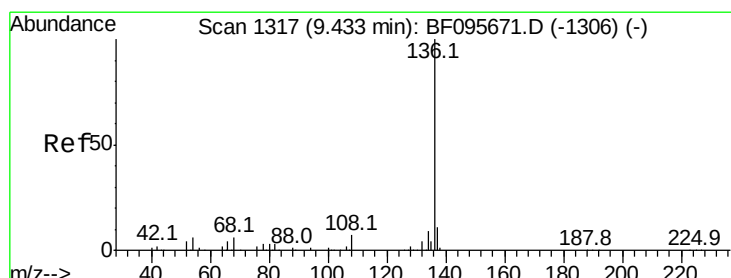
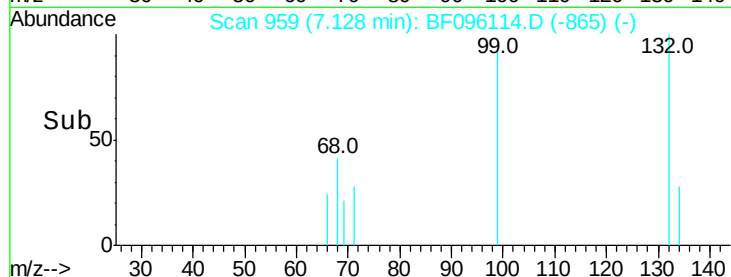
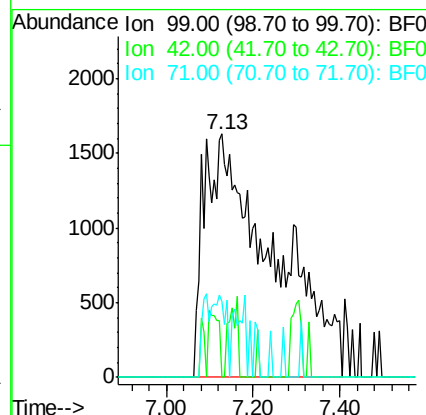
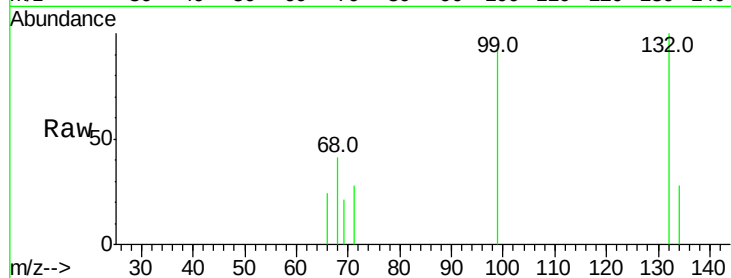
ClientSampleID :

OR-03-061917DL

Tot Ion:	99	Resp:	17697
Ion Ratio	Lower	Upper	
99	100		
42	0.0	13.5	20.3#
71	31.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

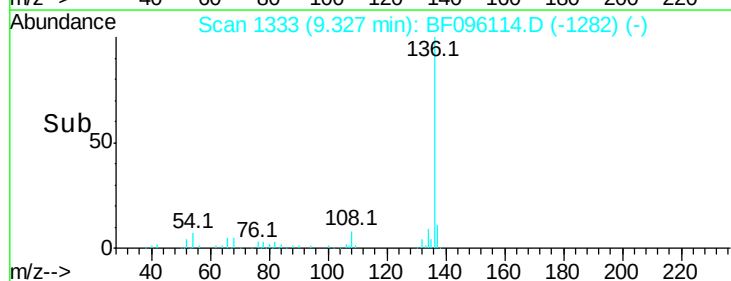
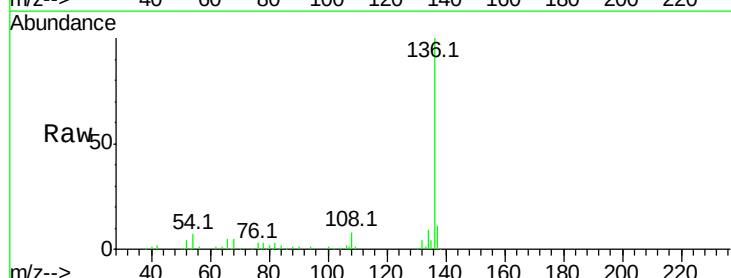
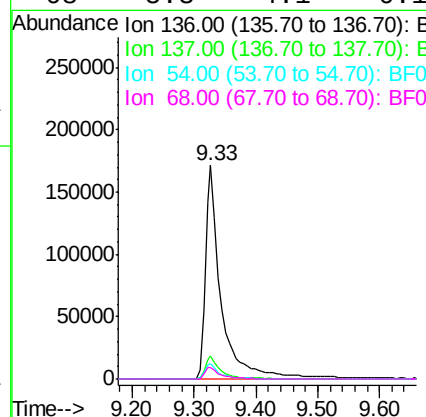
RT: 9.33 min Scan# 1333

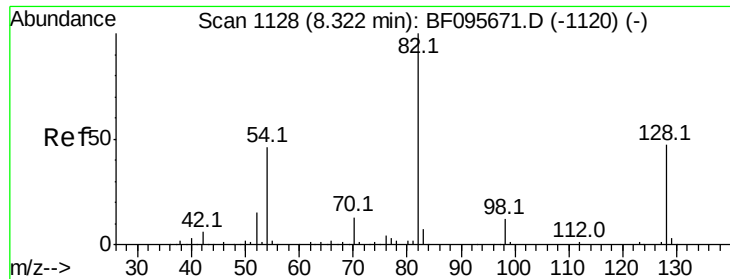
Delta R.T. 0.00 min

Lab File: BF096114.D

Acq: 22 Jun 2017 9:05

Tgt Ion:	136	Resp:	307743
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	7.2	4.9	7.3
68	5.3	4.1	6.1





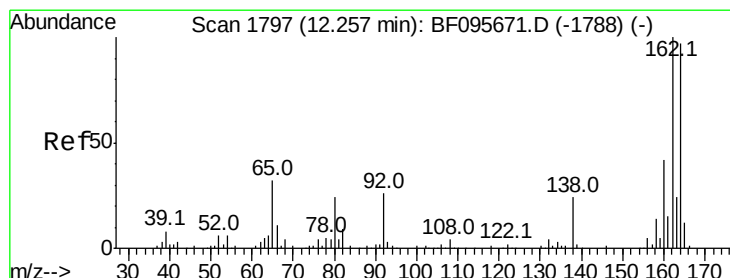
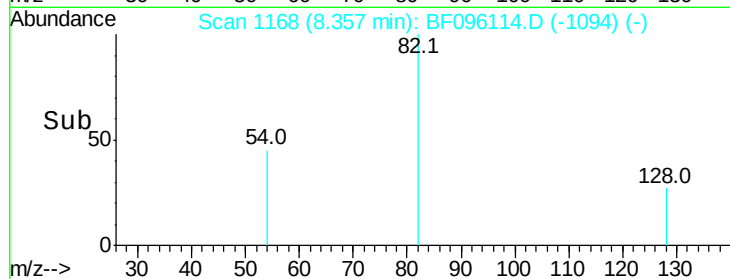
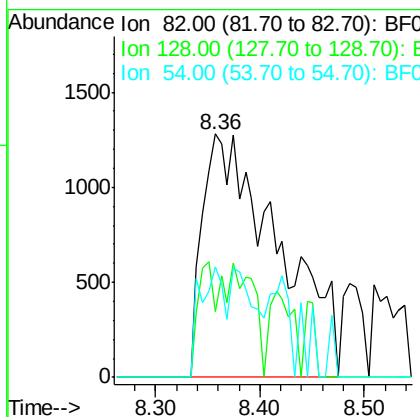
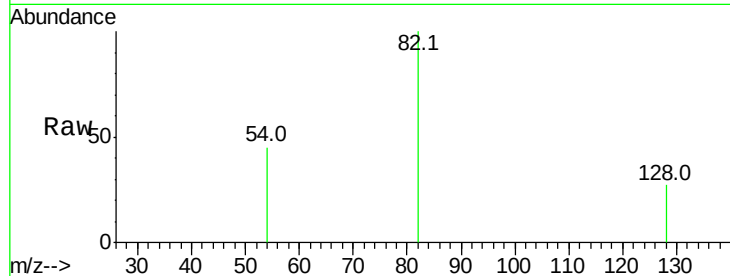
#23
 Nitrobenzene-d5
 Concen: 1.29 ng/ml
 RT: 8.36 min Scan# 1168
 Delta R.T. 0.14 min
 Lab File: BF096114.D
 Acq: 22 Jun 2017 9:05

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061917DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	26.9	34.0	51.0#
54	45.3	42.2	63.2

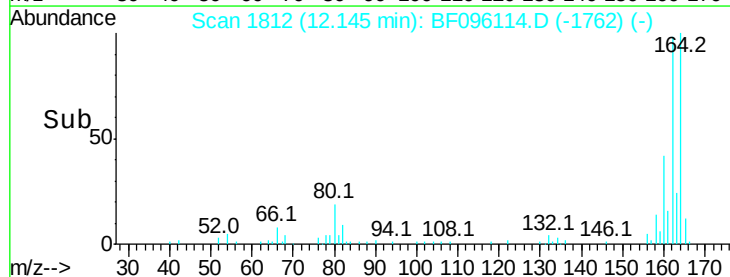
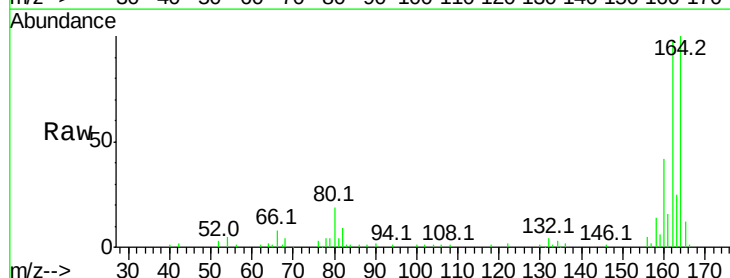
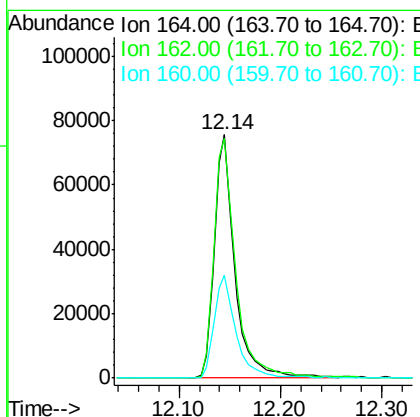
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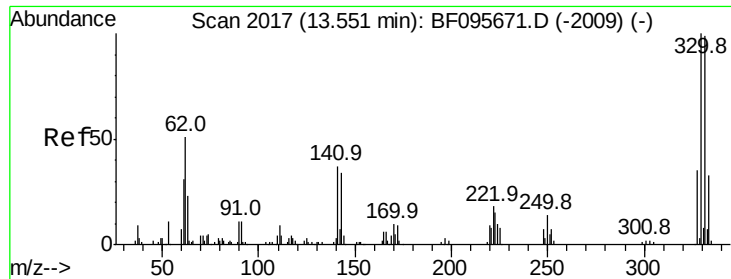
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096114.D
 Acq: 22 Jun 2017 9:05

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	82.6	123.8
160	42.2	36.2	54.2





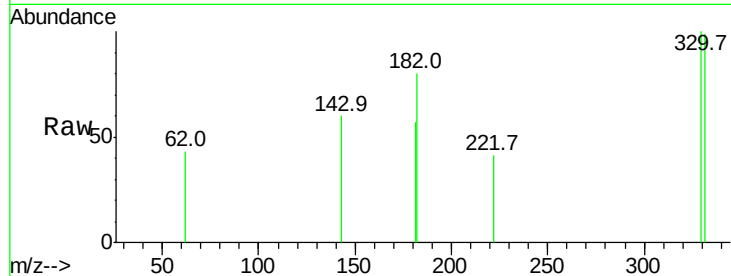
#41
 2,4,6-Tribromophenol
 Concen: 1.95 ng
 RT: 13.50 min Scan# 2043
 Delta R.T. 0.05 min
 Lab File: BF096114.D
 Acq: 22 Jun 2017 9:05

Instrument :
 BNA_F
 ClientSampled :
 OR-03-061917DL

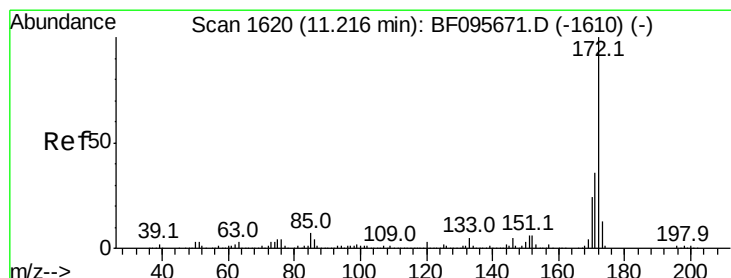
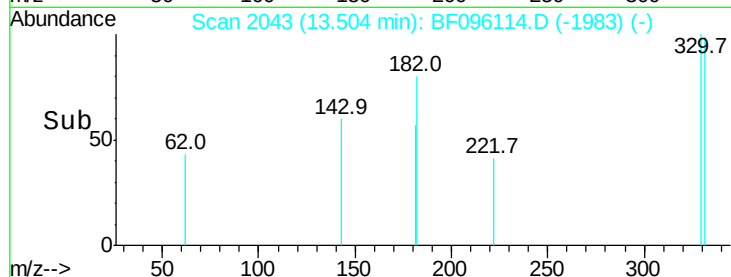
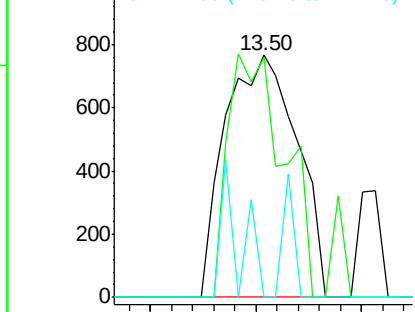
Tot Ion	Ratio	Resp	Lower	Upper
330	100	1827		
332	0.0	76.6	115.0#	
141	7.5	31.4	47.2#	

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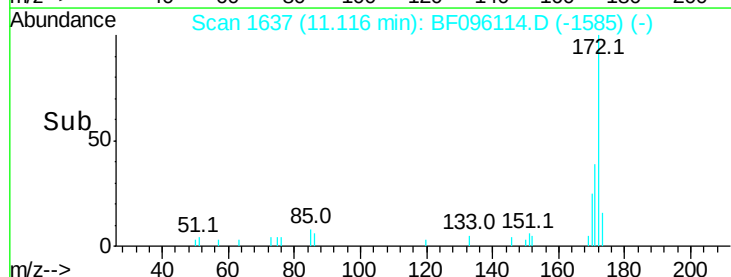
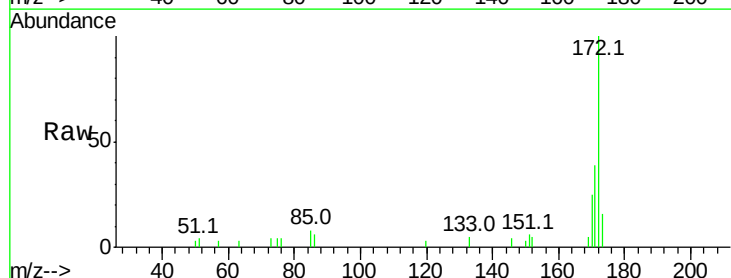
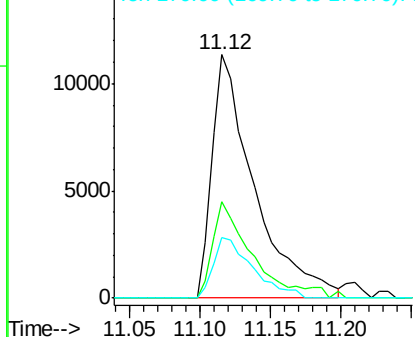
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

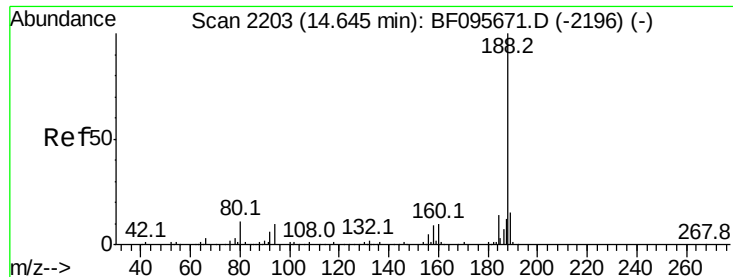


#44
 2-Fluorobiphenyl
 Concen: 3.10 ng
 RT: 11.12 min Scan# 1637
 Delta R.T. 0.01 min
 Lab File: BF096114.D
 Acq: 22 Jun 2017 9:05

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	23621		
171	39.4	29.6	44.4	
170	24.8	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





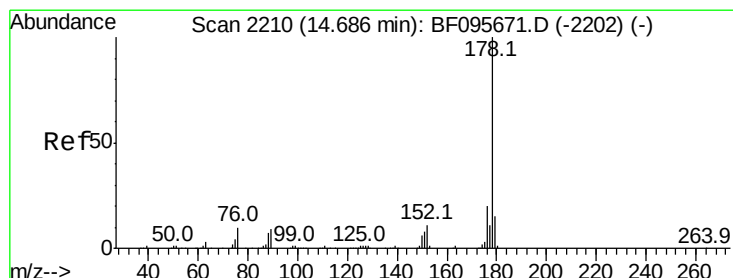
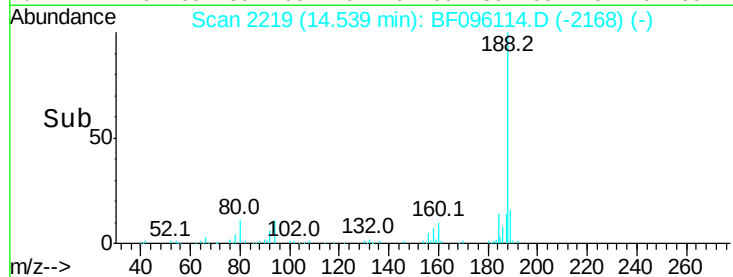
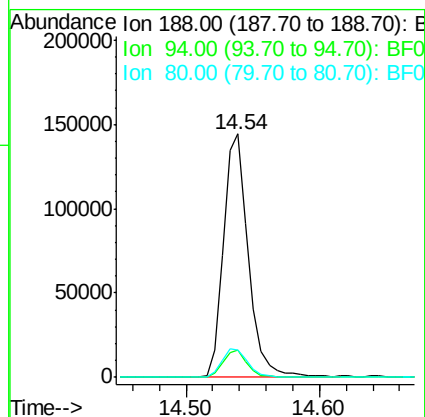
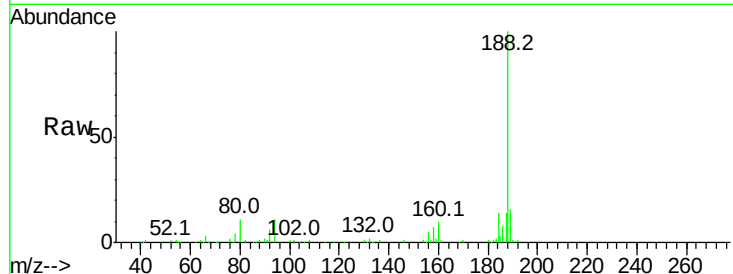
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.54 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF096114.D
Acq: 22 Jun 2017 9:05

Instrument :
BNA_F
ClientSampleId :
OR-03-061917DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.4	9.4	14.2
80	11.4	10.2	15.2

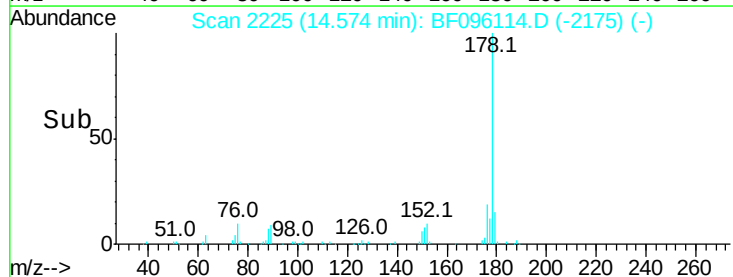
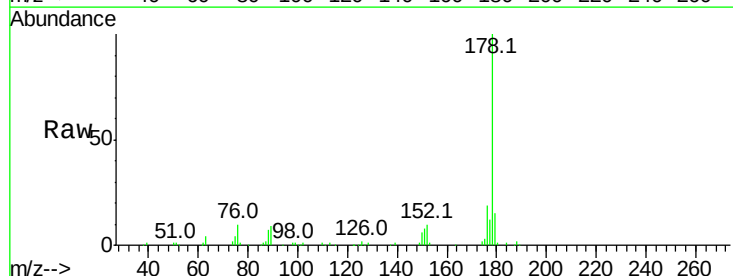
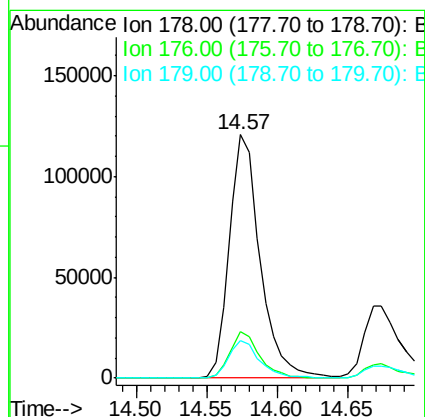
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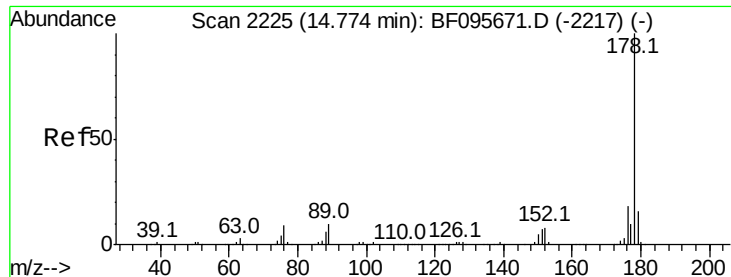
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#70
Phenanthrene
Concen: 16.80 ng
RT: 14.57 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF096114.D
Acq: 22 Jun 2017 9:05

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.4	12.6	19.0





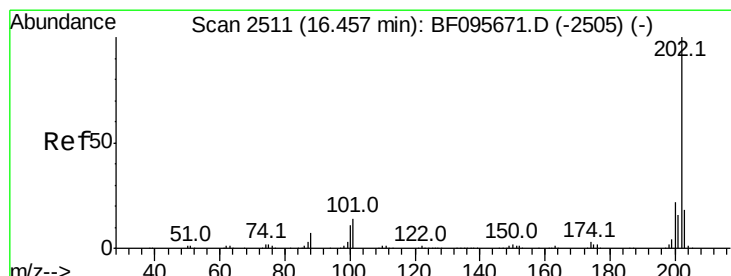
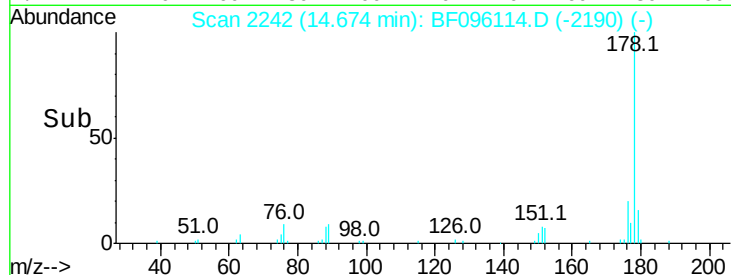
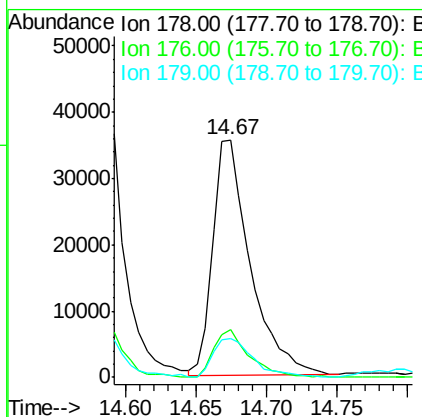
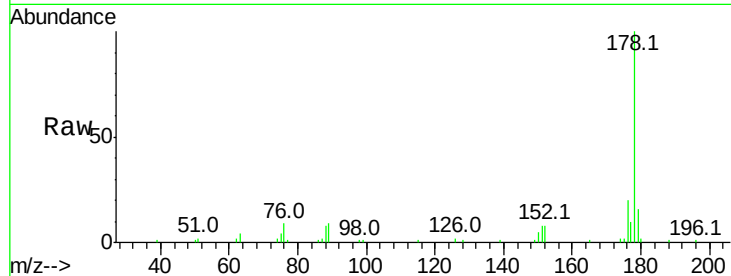
#71
 Anthracene
 Concen: 5.75 ng
 RT: 14.67 min Scan# 2242
 Delta R.T. 0.01 min
 Lab File: BF096114.D
 Acq: 22 Jun 2017 9:05

Instrument :
 BNA_F
 ClientSampleID :
 OR-03-061917DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	16.4	12.7	19.1

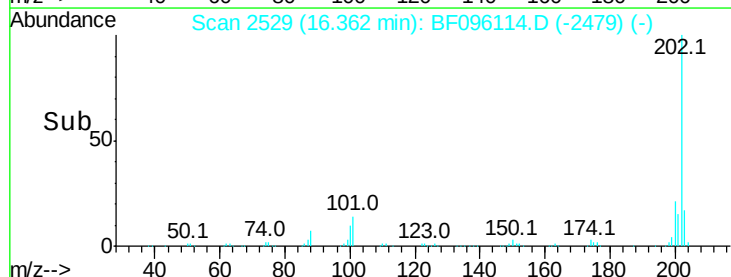
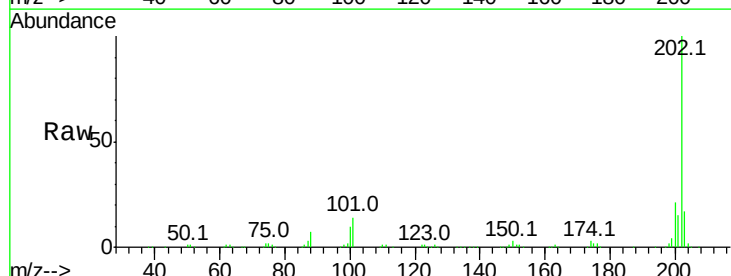
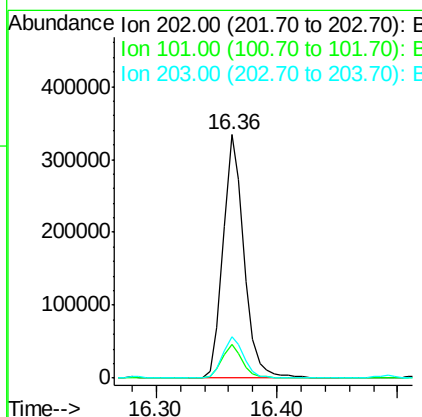
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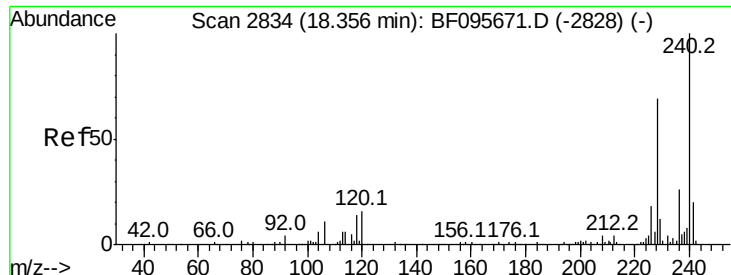
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#74
 Fluoranthene
 Concen: 36.89 ng
 RT: 16.36 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF096114.D
 Acq: 22 Jun 2017 9:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	16.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096114.D

Acq: 22 Jun 2017 9:05

Instrument :

BNA_F

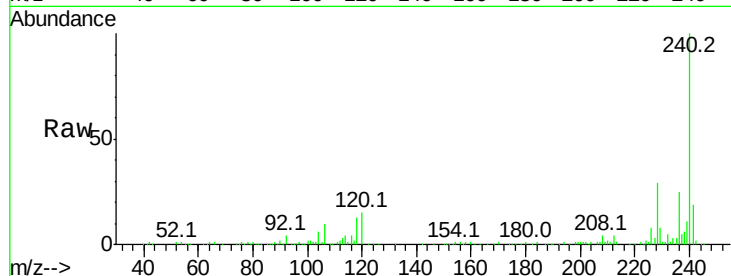
ClientSampleId :

OR-03-061917DL

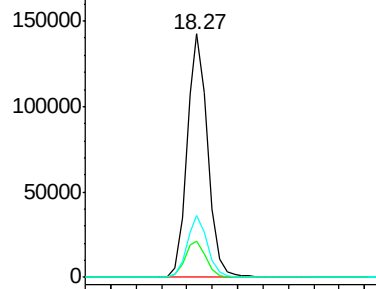
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	5.8	8.8#
236	25.2	20.5	30.7

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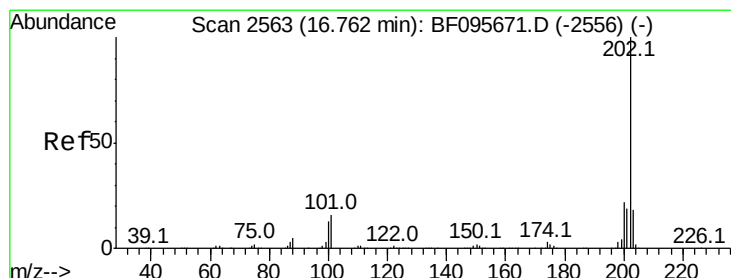
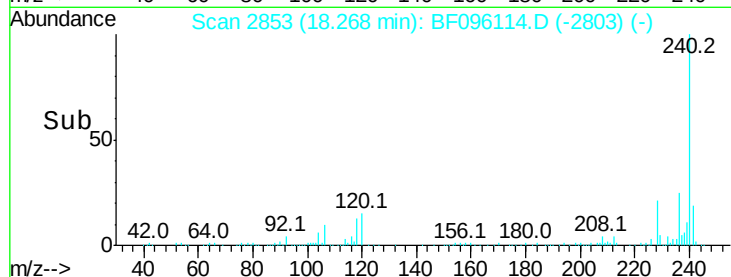
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 28.08 ng

RT: 16.67 min Scan# 2581

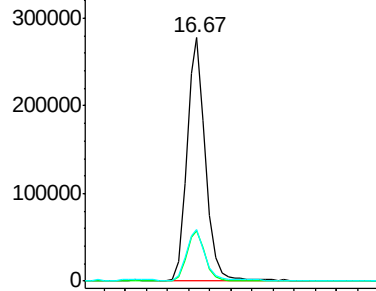
Delta R.T. 0.00 min

Lab File: BF096114.D

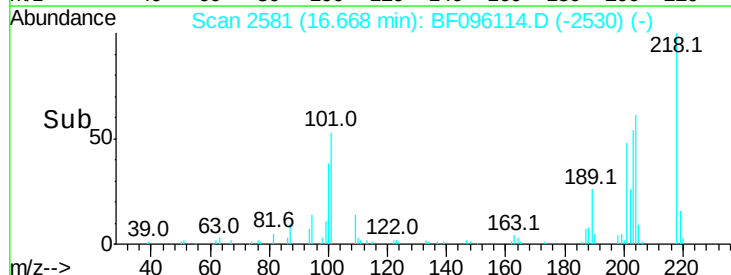
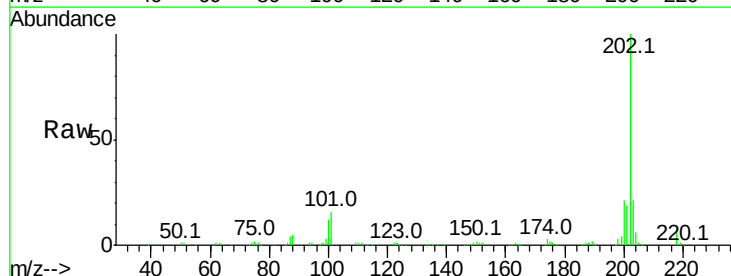
Acq: 22 Jun 2017 9:05

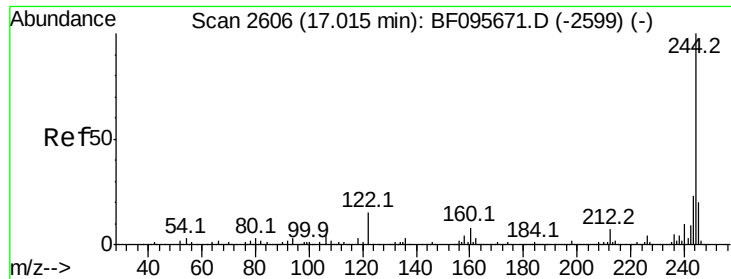
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	21.1	14.4	21.6

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



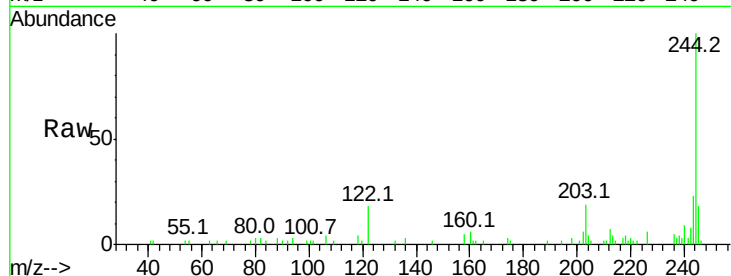
Time-->





#78
 Terphenyl-d14
 Concen: 3.15 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096114.D
 Acq: 22 Jun 2017 9:05

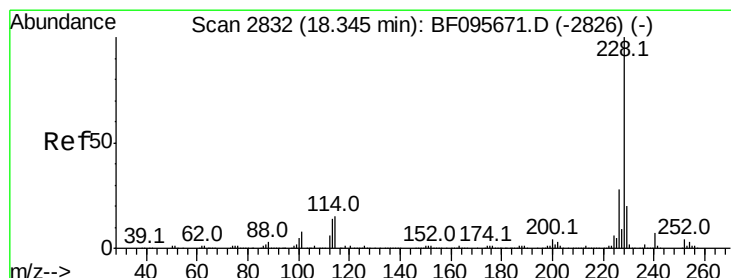
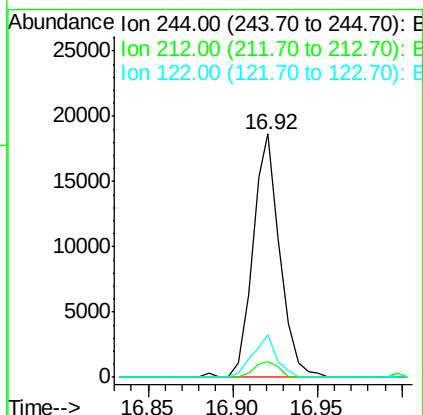
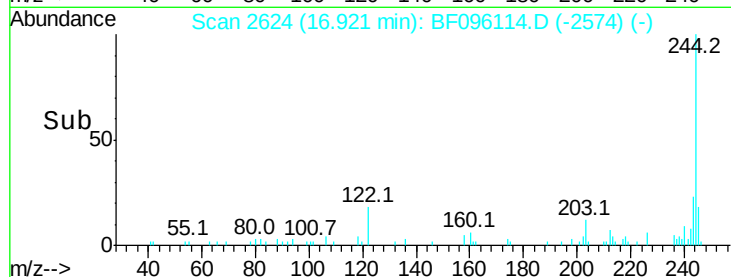
Instrument :
 BNA_F
 ClientSampled :
 OR-03-061917DL



Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	6.0	9.0
122	17.6	10.3	15.5

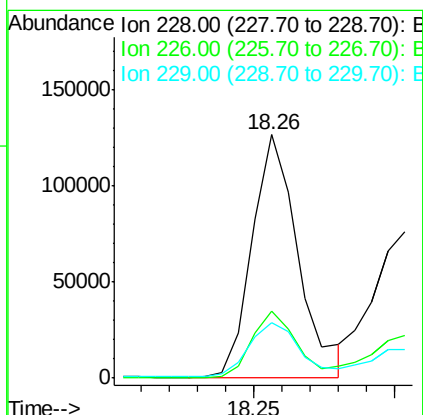
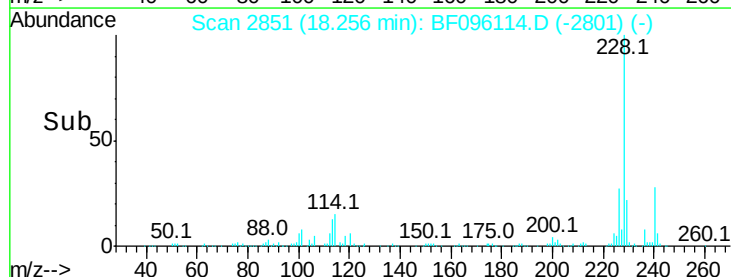
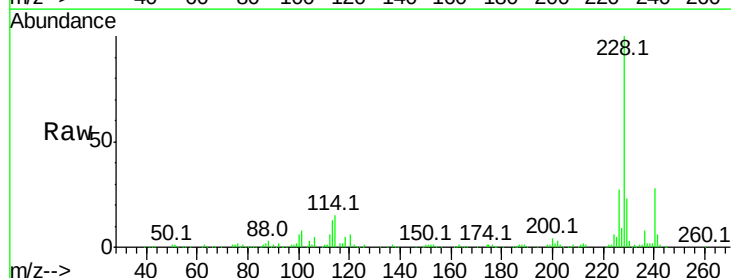
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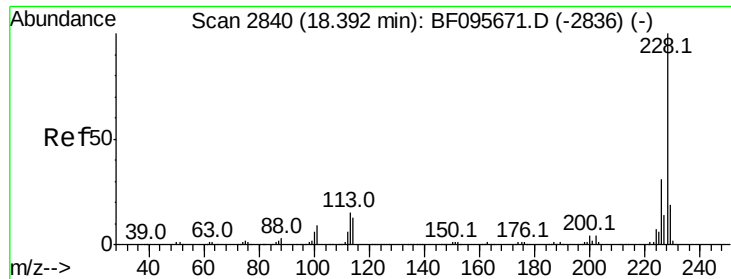
mohammad
 6/22/2017 6:03:09 PM



#80
 Benzo(a)anthracene
 Concen: 15.27 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096114.D
 Acq: 22 Jun 2017 9:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.4	22.6	33.8
229	23.0	16.3	24.5





#82

Chrysene

Concen: 11.95 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096114.D

Acq: 22 Jun 2017 9:05

Instrument :

BNA_F

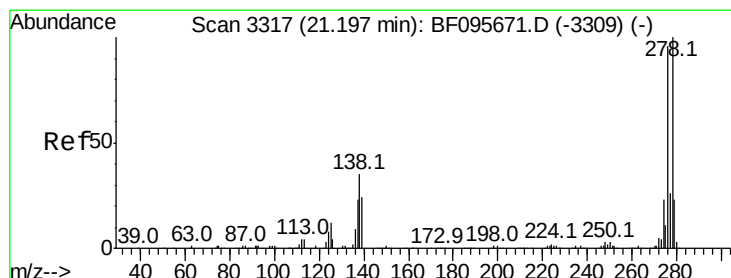
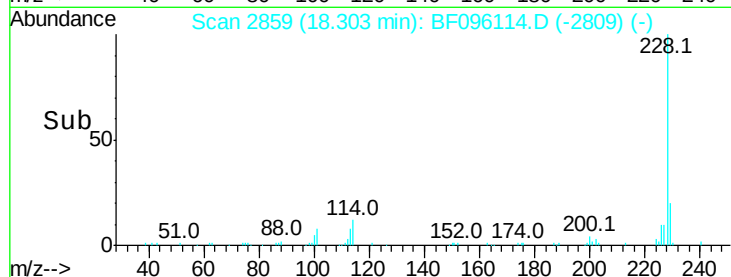
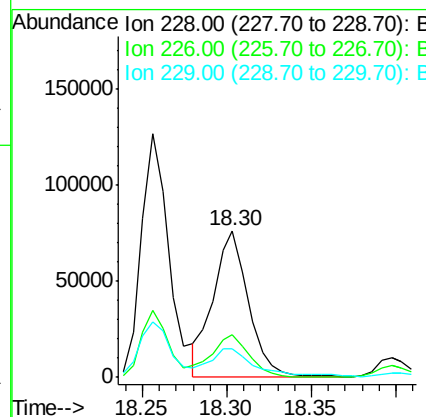
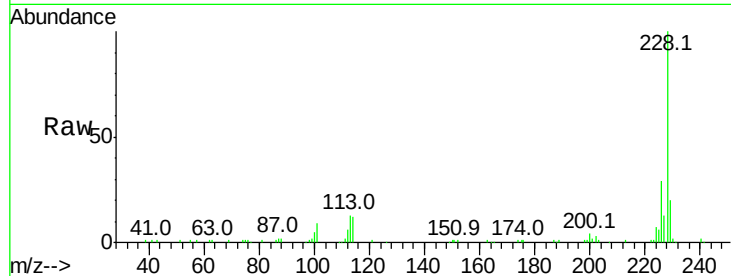
ClientSampleId :

OR-03-061917DL

Tot Ion:	228	Resp:	112550
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.9	37.3
229	19.6	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.99 ng

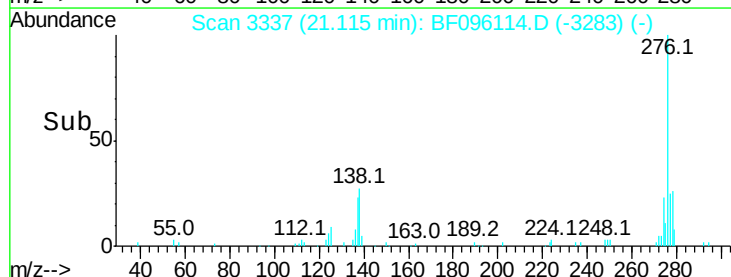
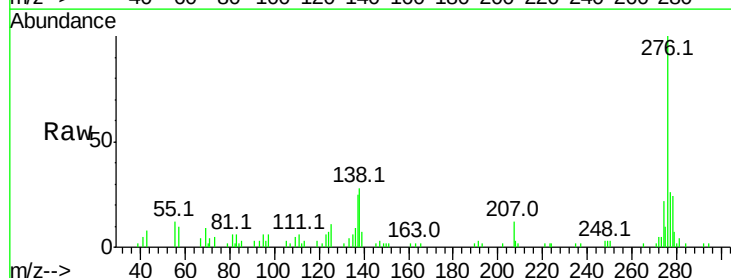
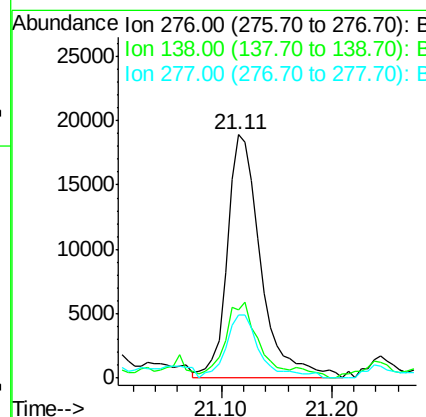
RT: 21.11 min Scan# 3337

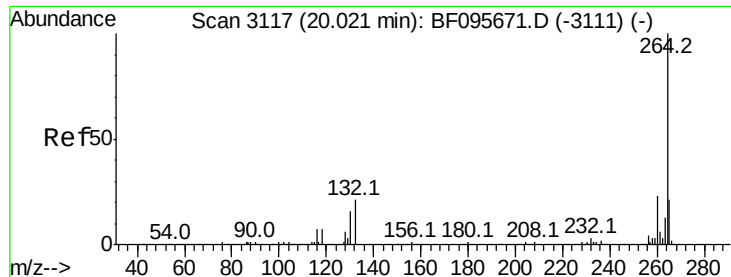
Delta R.T. 0.02 min

Lab File: BF096114.D

Acq: 22 Jun 2017 9:05

Tgt Ion:	276	Resp:	40249
Ion Ratio	Lower	Upper	
276	100		
138	26.2	27.8	41.6#
277	26.4	20.2	30.4





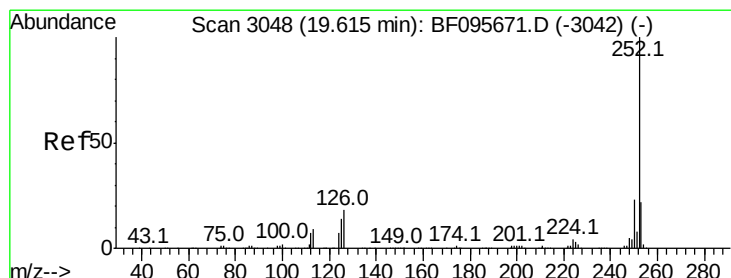
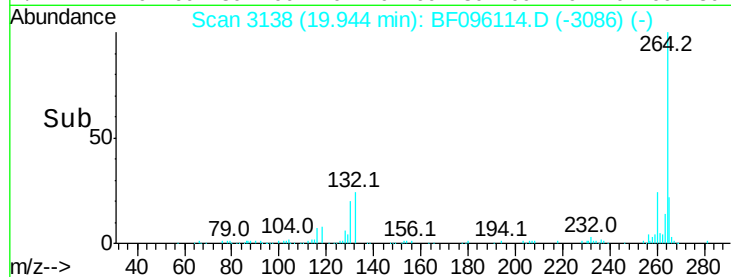
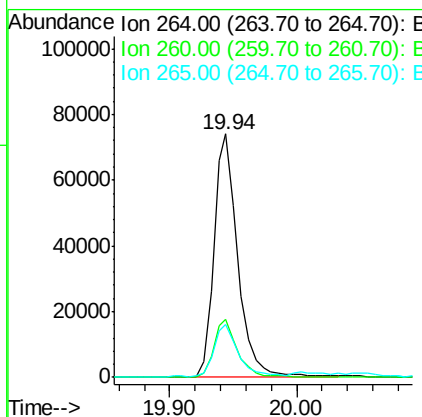
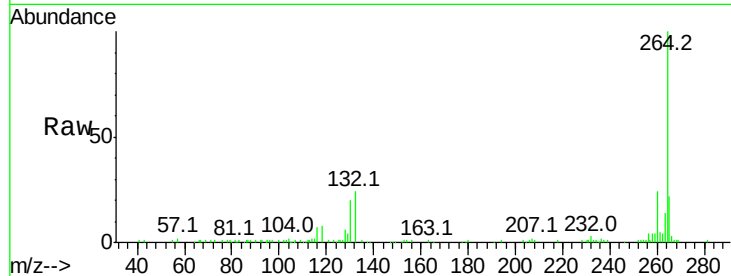
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096114.D
Acq: 22 Jun 2017 9:05

Instrument :
BNA_F
ClientSampleId :
OR-03-061917DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.9	17.2	25.8

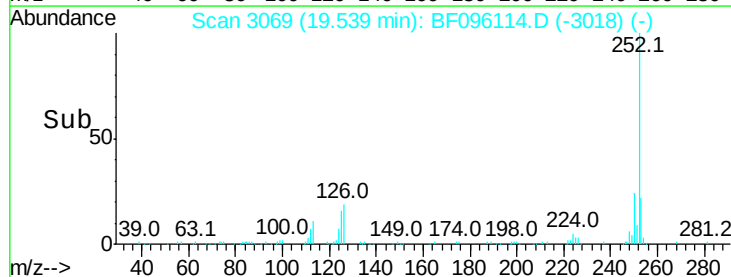
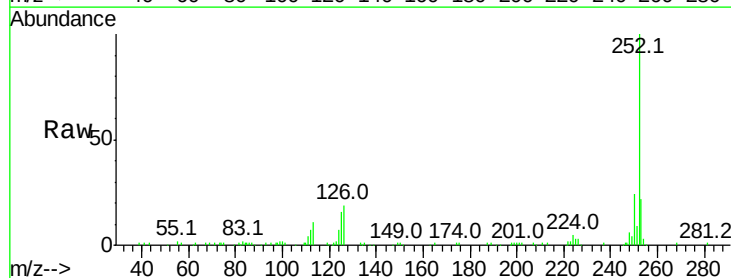
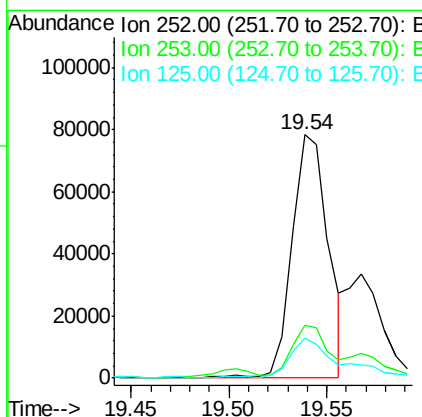
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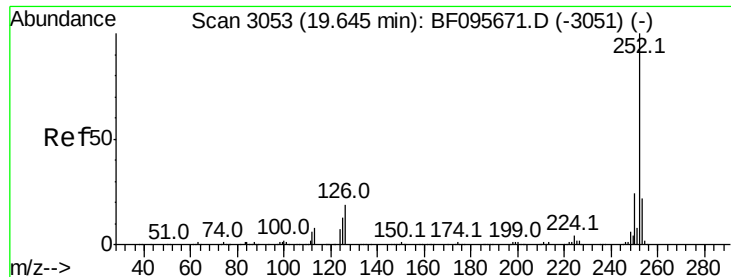
mohammad
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#87
Benzo(b)fluoranthene
Concen: 16.99 ng m
RT: 19.54 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BF096114.D
Acq: 22 Jun 2017 9:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	16.4	9.8	14.8#





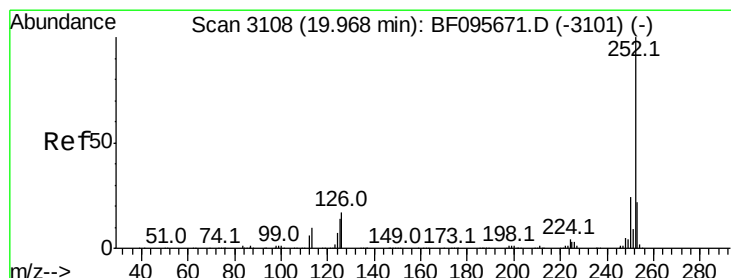
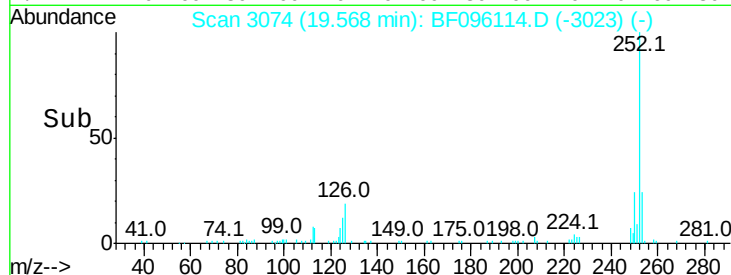
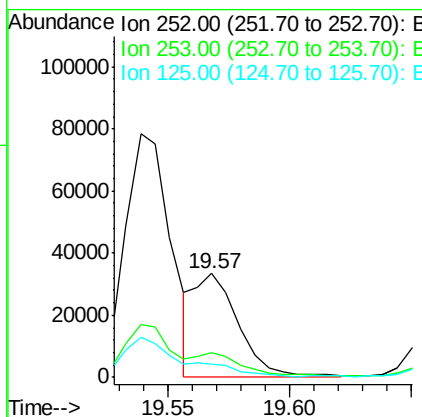
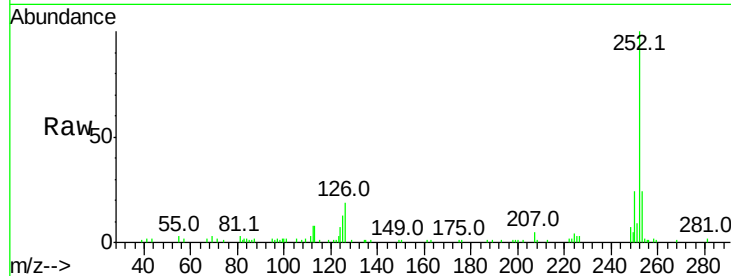
#88
Benzo(k)fluoranthene
Concen: 7.31 ng m
RT: 19.57 min Scan# 3074
Delta R.T. 0.00 min
Lab File: BF096114.D
Acq: 22 Jun 2017 9:05

Instrument :
BNA_F
ClientSampleId :
OR-03-061917DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	13.1	13.1	19.7

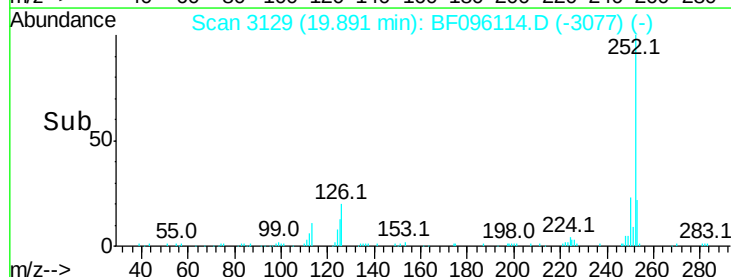
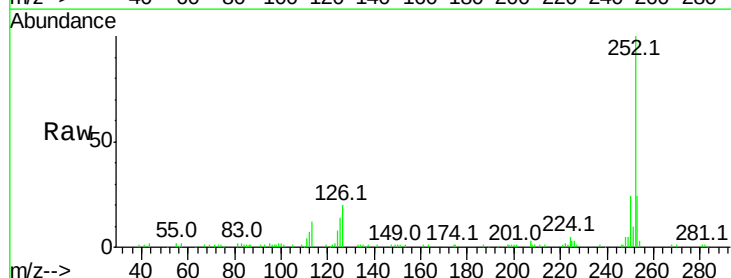
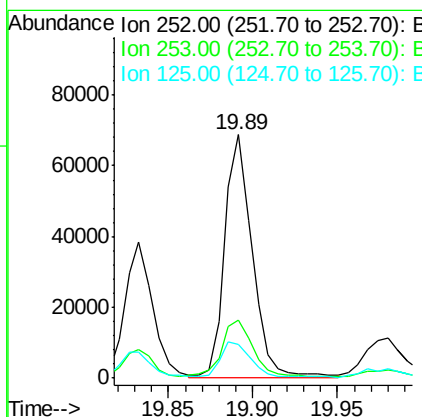
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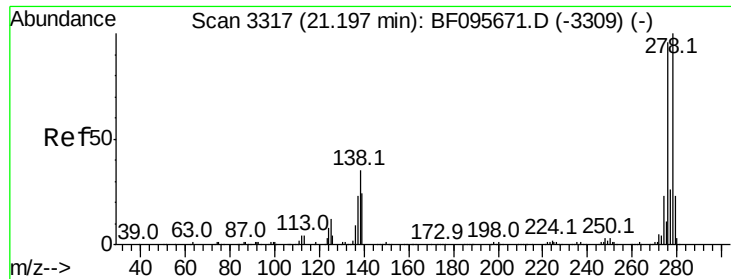
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#89
Benzo(a)pyrene
Concen: 14.08 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096114.D
Acq: 22 Jun 2017 9:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	13.6	11.0	16.4





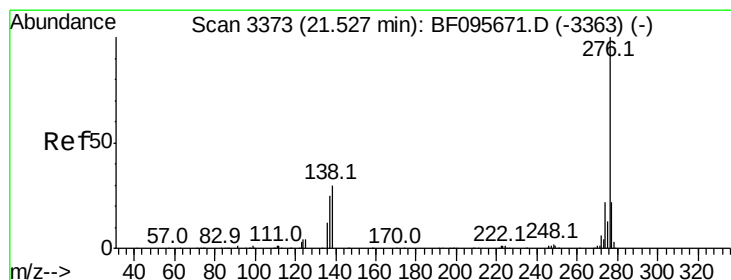
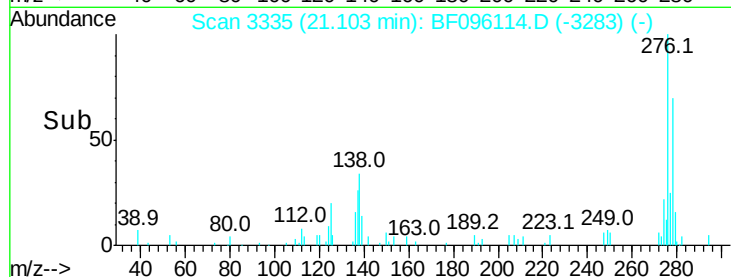
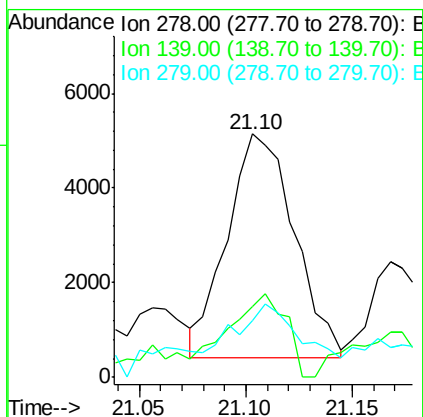
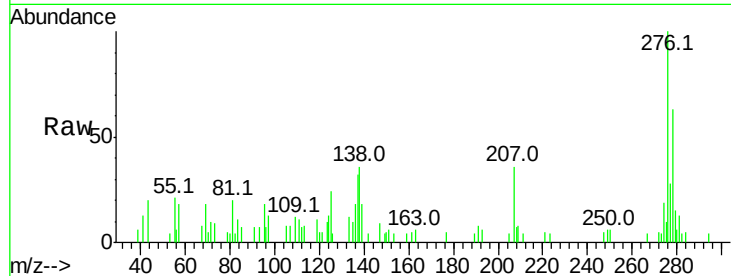
#90
Dibenzo(a,h)anthracene
Concen: 2.19 ng/mL
RT: 21.10 min Scan# 3335
Delta R.T. 0.01 min
Lab File: BF096114.D
Acq: 22 Jun 2017 9:05

Instrument :
BNA_F
ClientSampleID :
OR-03-061917DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.1	16.6	24.8
279	23.4	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.45 ng/mL
RT: 21.44 min Scan# 3393
Delta R.T. 0.02 min
Lab File: BF096114.D
Acq: 22 Jun 2017 9:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.6	28.0
138	31.9	25.4	38.0

