

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
 Data File : BF096617.D
 Acq On : 10 Jul 2017 22:43
 Operator : SJ/JU
 Sample : I4061-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-B

Manual Integrations
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Quant Time: Jul 11 08:06:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	119999	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	493607	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	206193	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	297790	20.00	ng	-0.02
75) Chrysene-d12	13.82	240	236360	20.00	ng	-0.02
86) Perylene-d12	15.22	264	230457	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	789751	97.14	ng	-0.01
7) Phenol-d6	6.33	99	955784	95.63	ng	-0.02
23) Nitrobenzene-d5	7.25	82	569912	69.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	161041	99.99	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	945390	78.39	ng	-0.02
78) Terphenyl-d14	12.78	244	564194	51.01	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.43	163	88841	5.77	ng	99
51) Acenaphthene	9.75	154	32484	2.53	ng	97
70) Phenanthrene	11.22	178	122199	7.59	ng	98
74) Fluoranthene	12.40	202	140827	8.92	ng	99
77) Pyrene	12.62	202	108102	5.70	ng	98
80) Benzo(a)anthracene	13.81	228	49792	3.64	ng	99
82) Chrysene	13.84	228	46619m	3.25	ng	
87) Benzo(b)fluoranthene	14.82	252	58013m	4.02	ng	
89) Benzo(a)pyrene	15.16	252	35517	2.75	ng	97

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

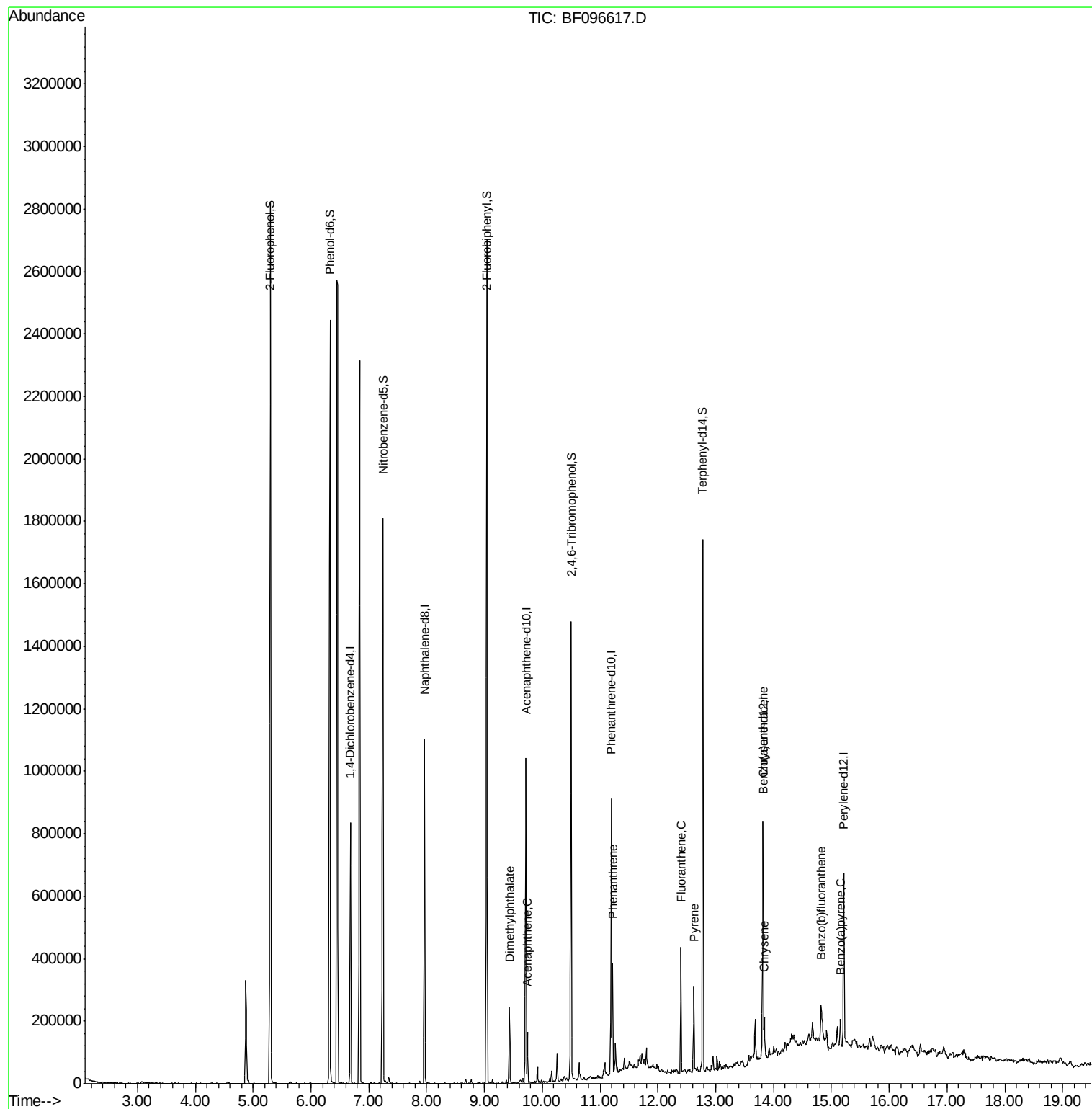
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071017\
Data File : BF096617.D
Acq On : 10 Jul 2017 22:43
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#1

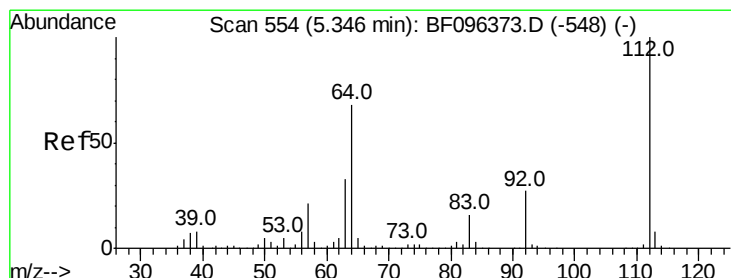
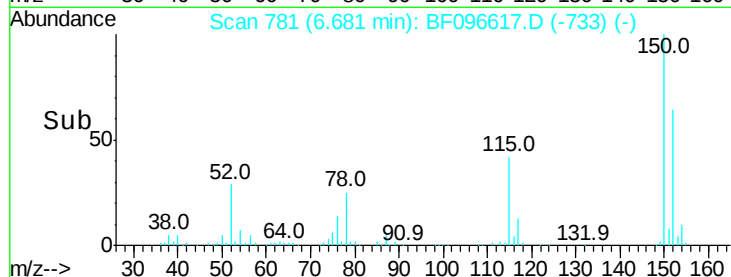
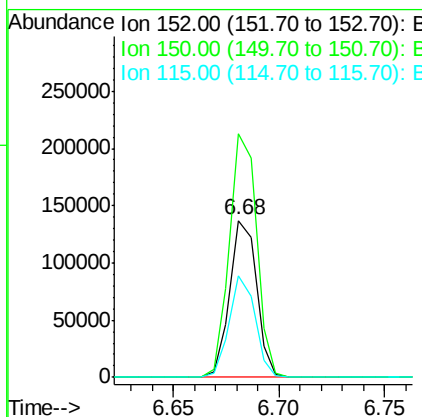
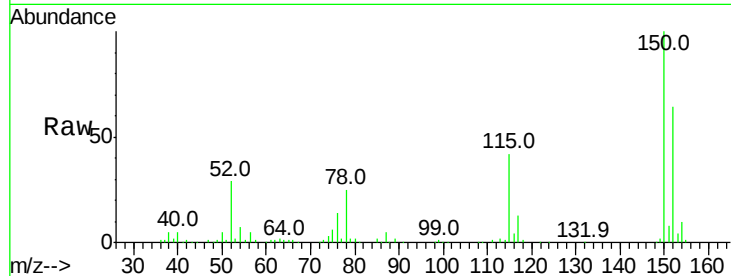
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Instrument :
BNA_F
ClientSampled :
SP-1-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	65.1	52.2	78.2

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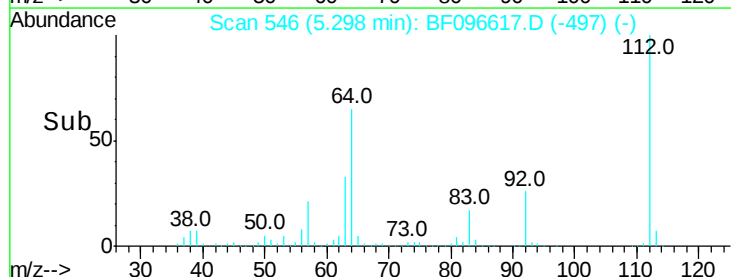
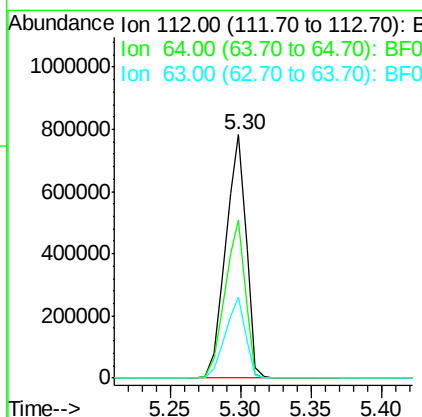
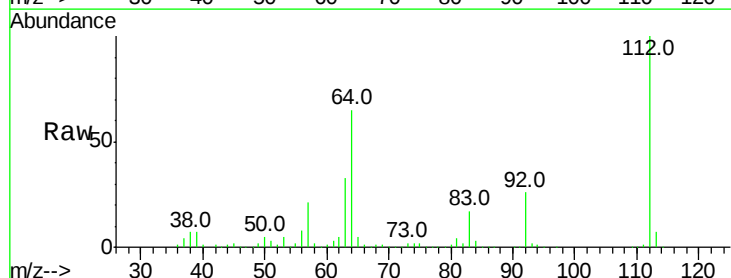
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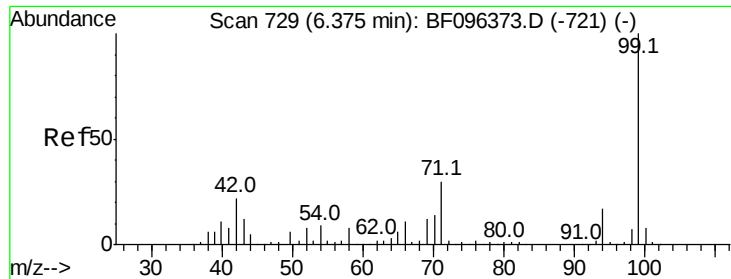


#5

2-Fluorophenol
Concen: 97.14 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	46.0	69.0
63	33.4	23.4	35.0





#7

Phenol-d6

Concen: 95.63 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Instrument :

BNA_F

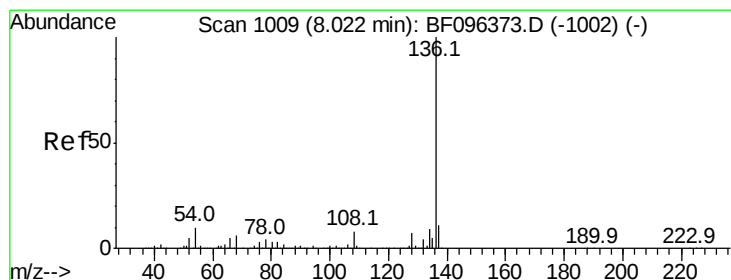
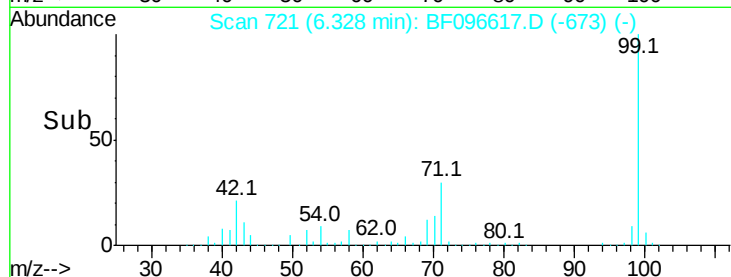
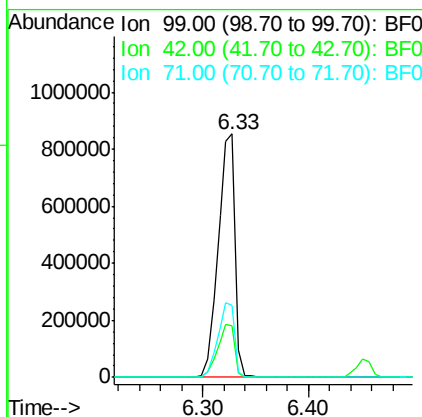
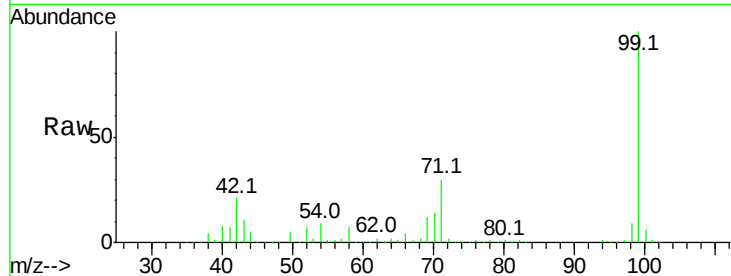
ClientSampled :

SP-1-B

Tot Ion:	99	Resp:	955784
Ion Ratio	Lower	Upper	
99	100		
42	21.0	13.5	20.3#
71	29.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

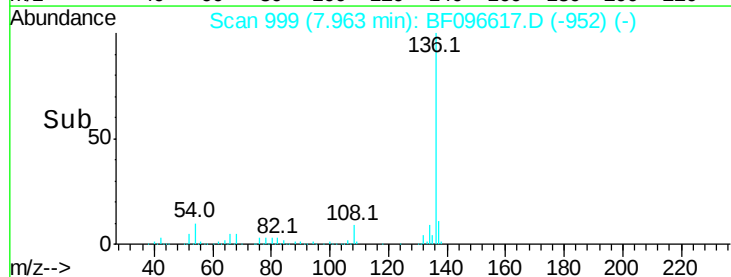
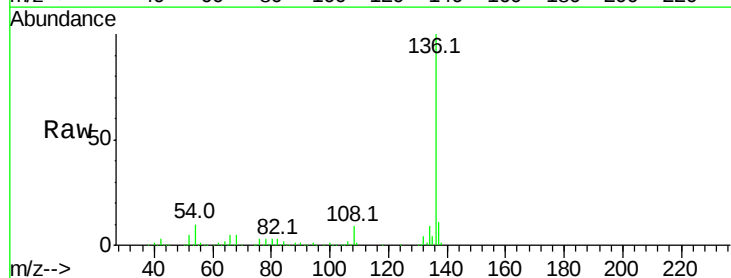
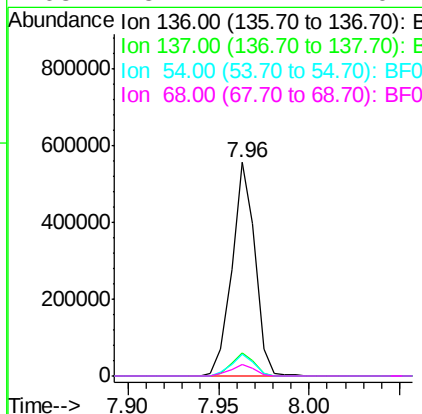
RT: 7.96 min Scan# 999

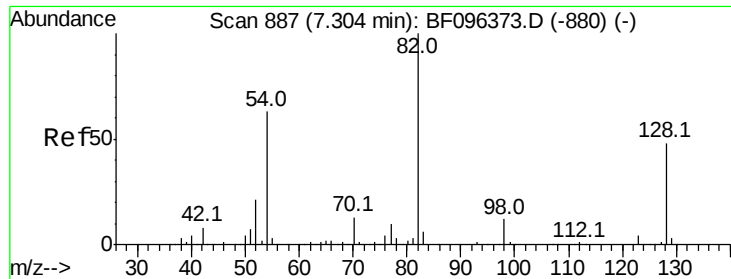
Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Tgt Ion:	136	Resp:	493607
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	10.2	4.9	7.3#
68	5.2	4.1	6.1





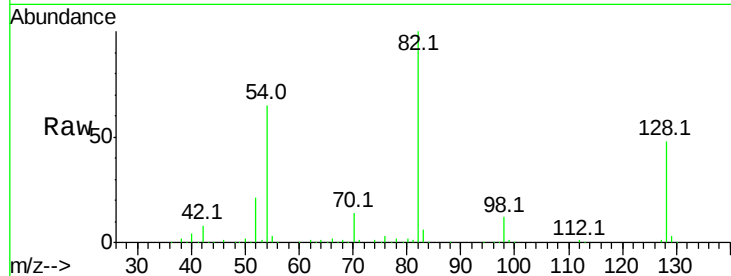
#23
Nitrobenzene-d5
Concen: 69.38 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Instrument :
BNA_F
ClientSampled :
SP-1-B

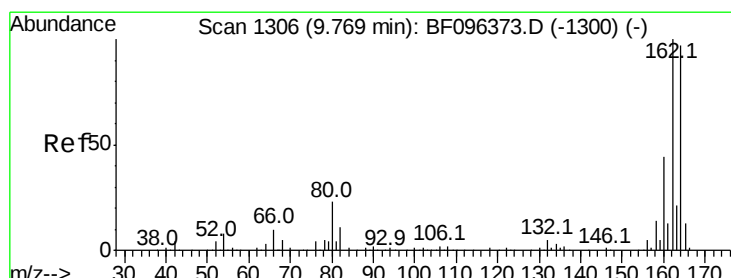
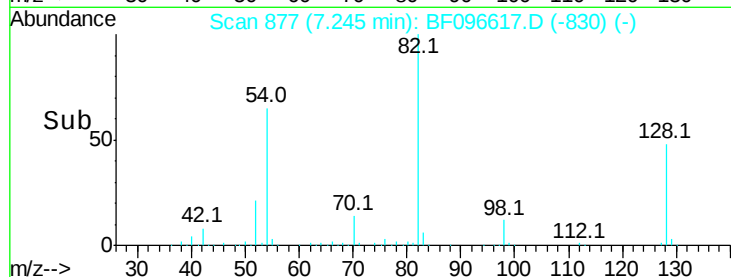
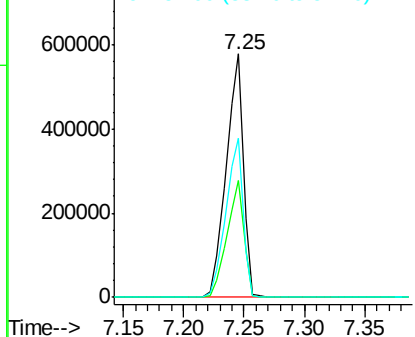
Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.0	51.0
54	65.4	42.2	63.2

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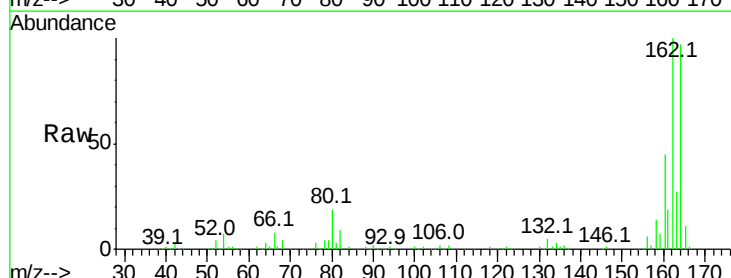


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

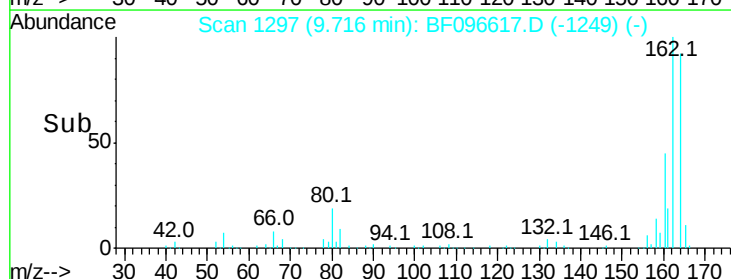
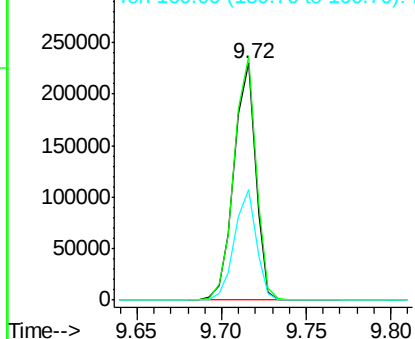


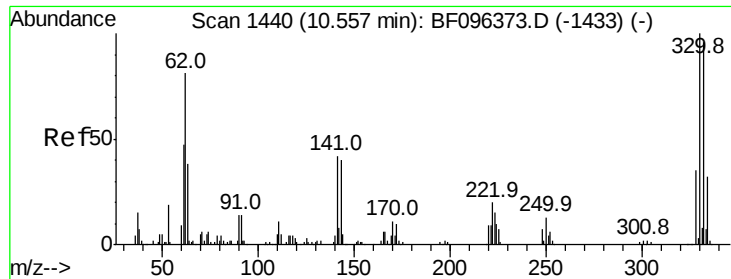
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.6	123.8
160	46.4	36.2	54.2



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B





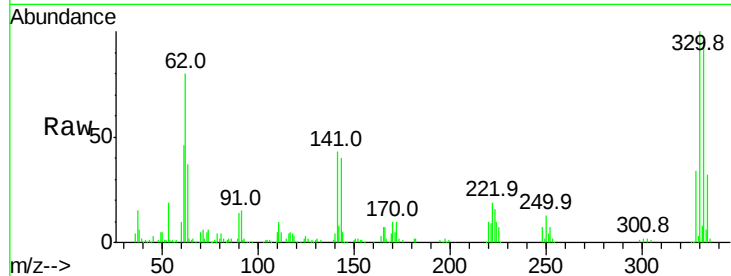
#41
 2,4,6-Tribromophenol
 Concen: 99.99 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF096617.D
 Acq: 10 Jul 2017 22:43

Instrument :
 BNA_F
 ClientSampled :
 SP-1-B

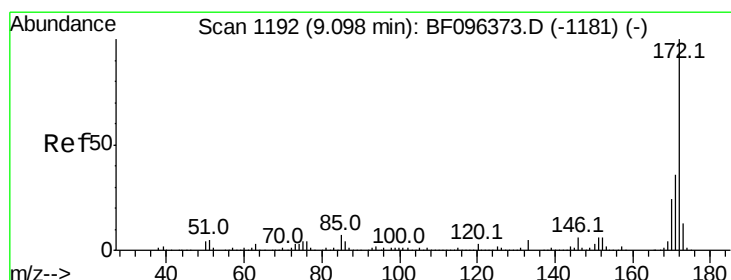
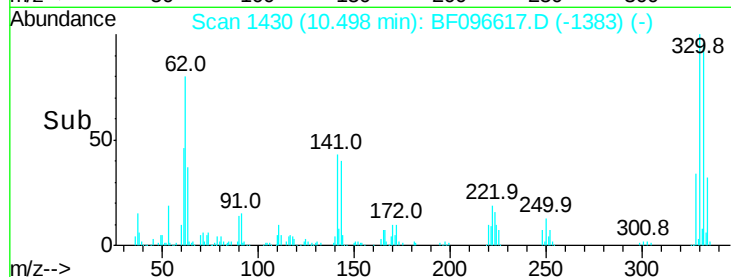
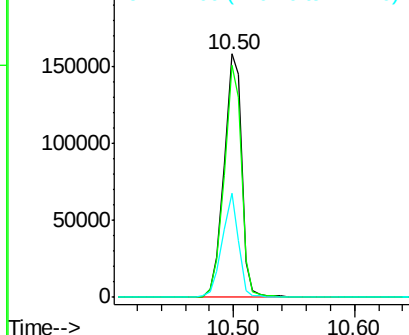
Tot Ion	Ratio	Resp	Lower	Upper
330	100	161041		
332	93.2	76.6	115.0	
141	39.0	31.4	47.2	

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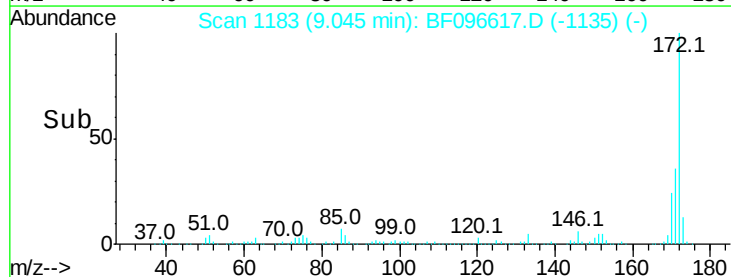
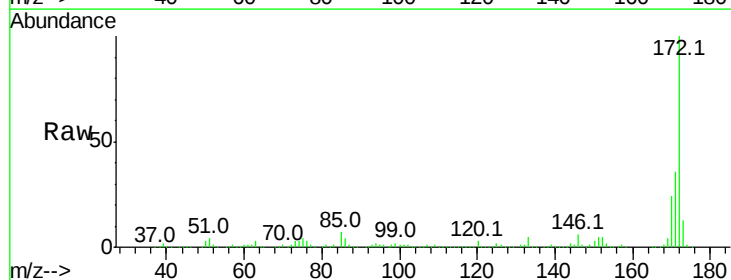
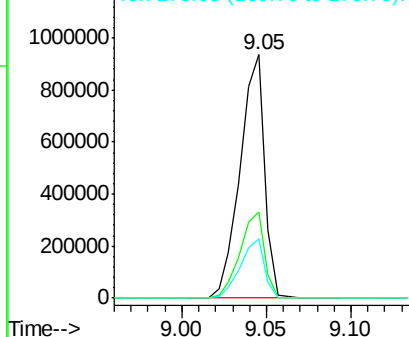
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

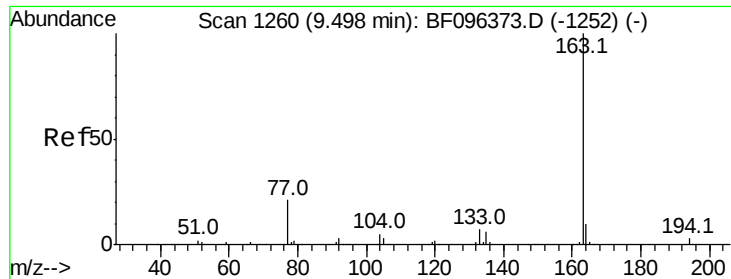


#44
 2-Fluorobiphenyl
 Concen: 78.39 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF096617.D
 Acq: 10 Jul 2017 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	945390		
171	35.5	29.6	44.4	
170	24.4	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





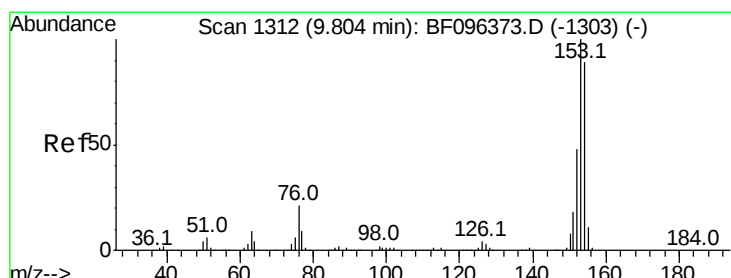
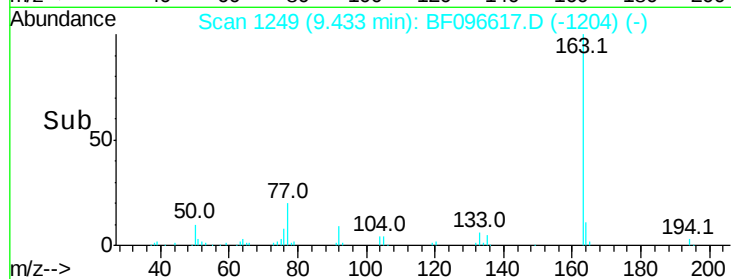
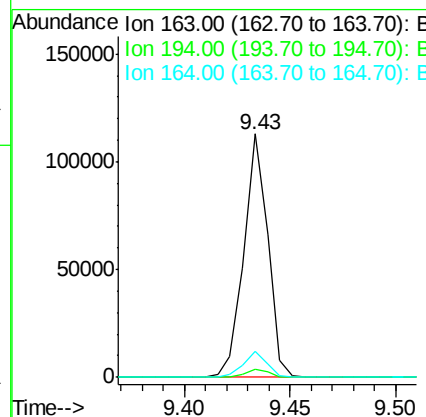
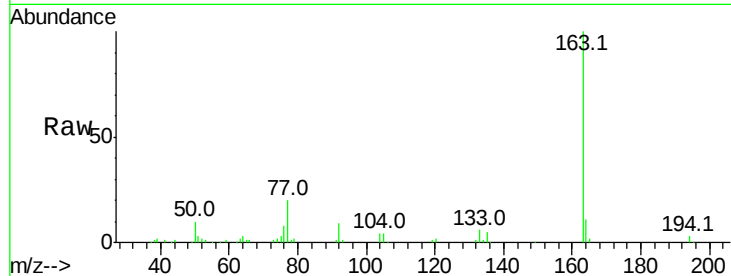
#49
Dimethylphthalate
Concen: 5.77 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.04 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Instrument :
BNA_F
ClientSampleId :
SP-1-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	88841		
194	3.2		2.6	4.0
164	10.7		8.4	12.6

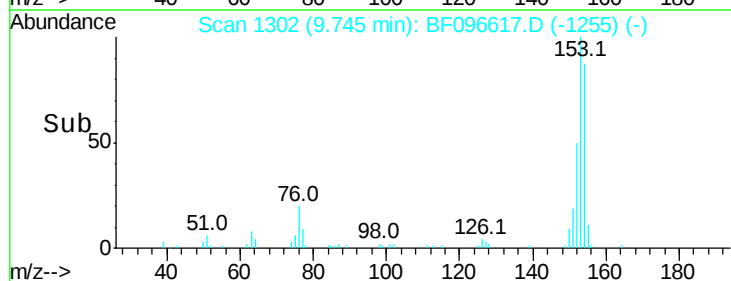
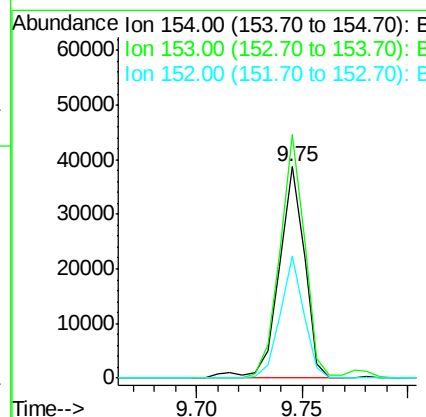
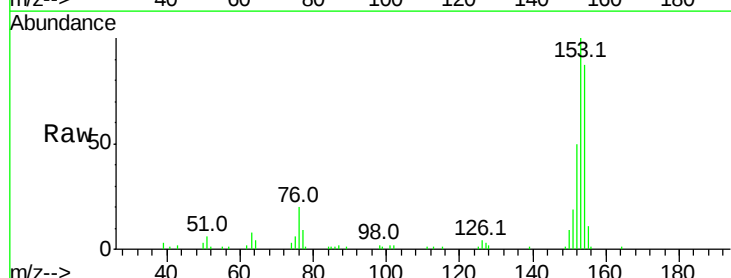
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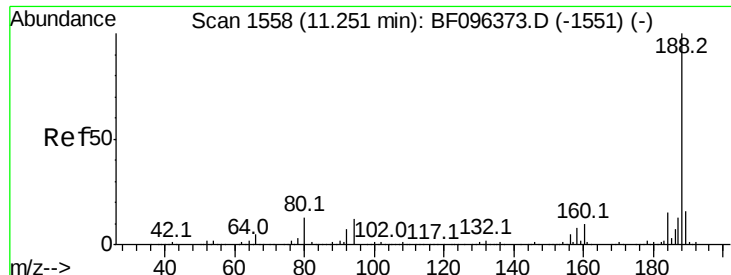
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#51
Acenaphthene
Concen: 2.53 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	32484		
153	115.3		90.5	135.7
152	57.9		43.6	65.4





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Instrument :

BNA_F

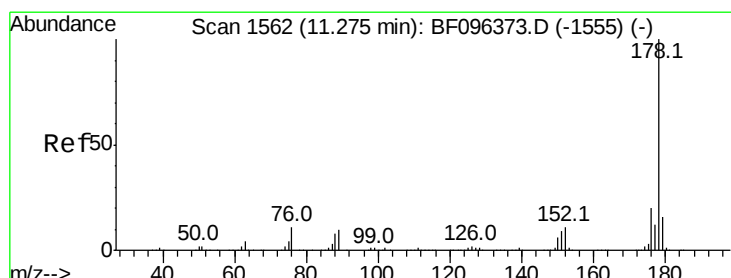
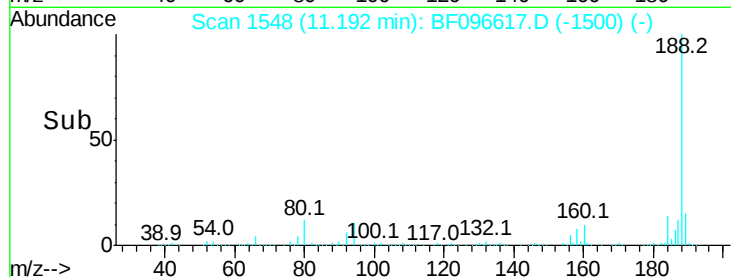
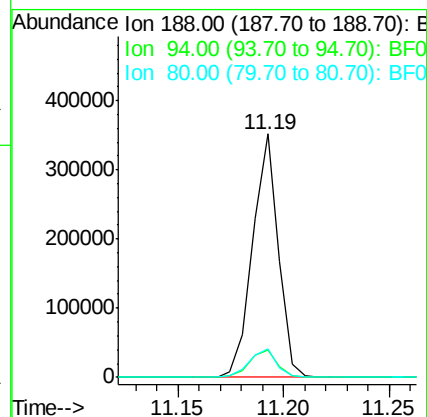
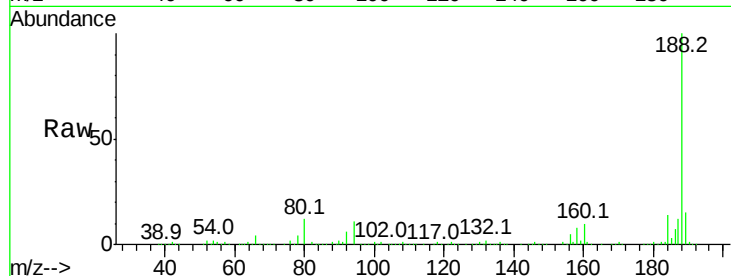
ClientSampleId :

SP-1-B

Tot Ion:	188	Resp:	297790
Ion Ratio	Lower	Upper	
188	100		
94	11.0	9.4	14.2
80	11.8	10.2	15.2

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#70

Phenanthrene

Concen: 7.59 ng

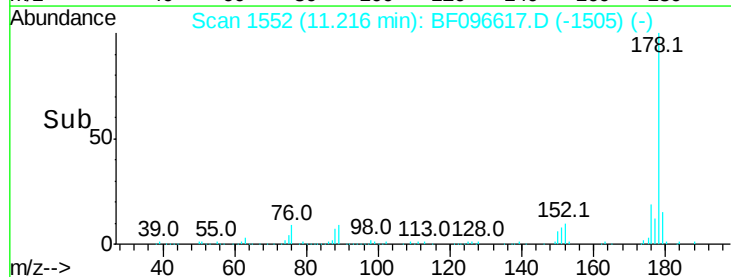
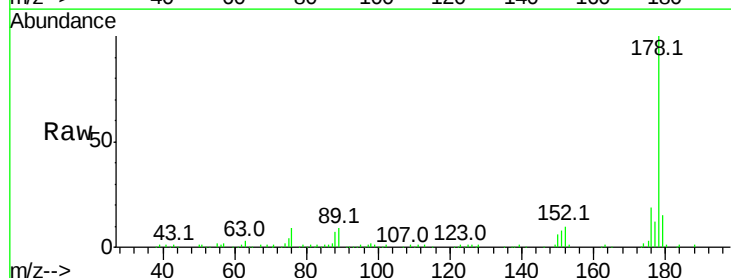
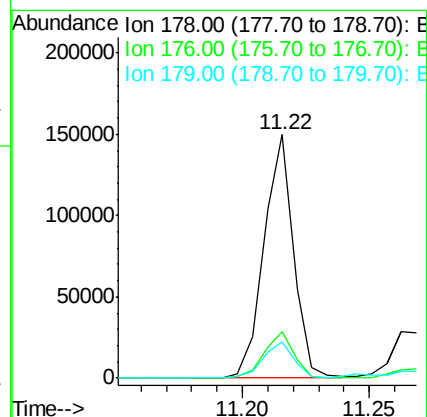
RT: 11.22 min Scan# 1552

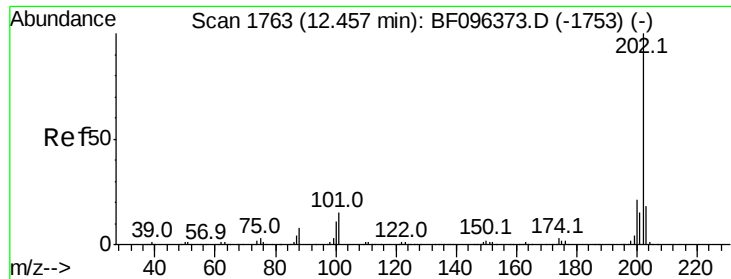
Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Tgt Ion:	178	Resp:	122199
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.2	24.4
179	15.0	12.6	19.0





#74

Fluoranthene

Concen: 8.92 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Instrument :

BNA_F

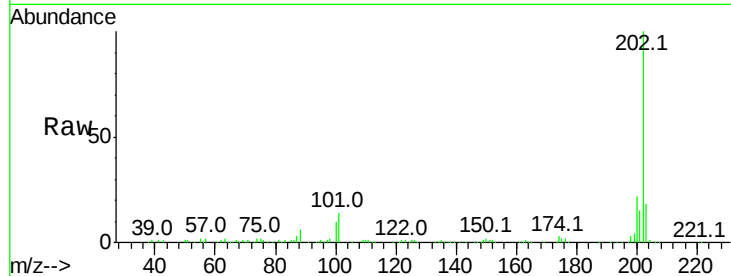
ClientSampleId :

SP-1-B

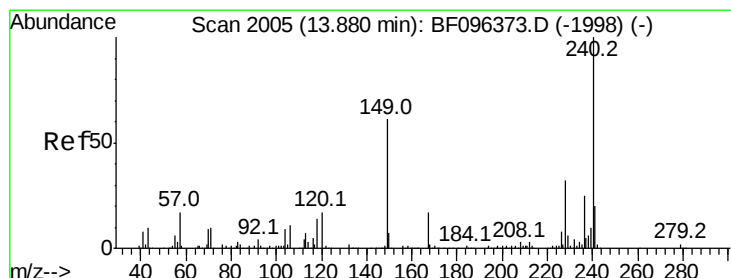
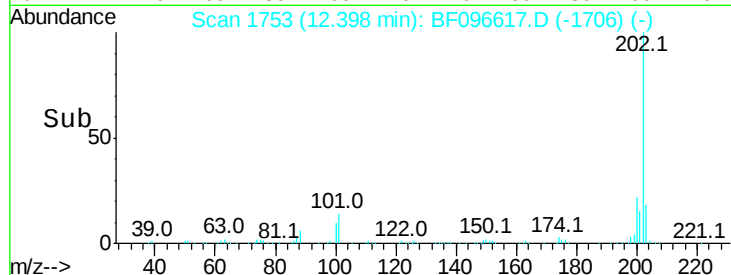
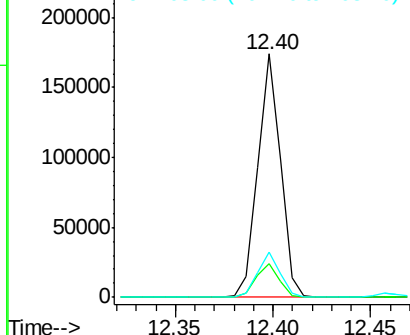
Tot Ion:	202	Resp:	140827
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	33.2
203	18.4	0.0	38.1

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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

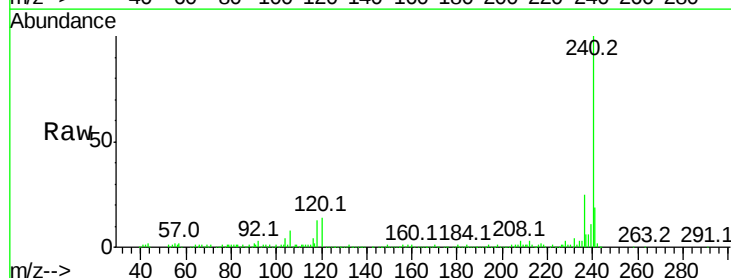
RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

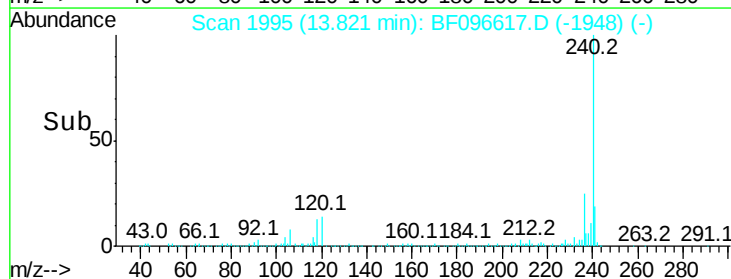
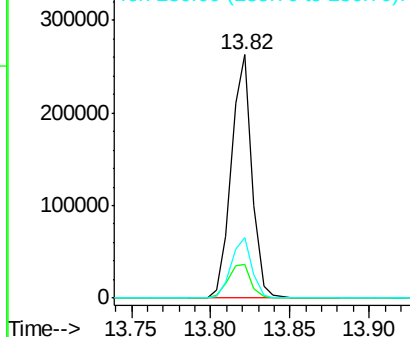
Lab File: BF096617.D

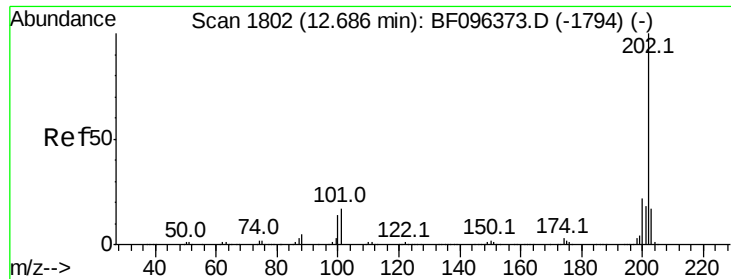
Acq: 10 Jul 2017 22:43

Tgt Ion:	240	Resp:	236360
Ion Ratio	Lower	Upper	
240	100		
120	13.6	5.8	8.8#
236	25.0	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





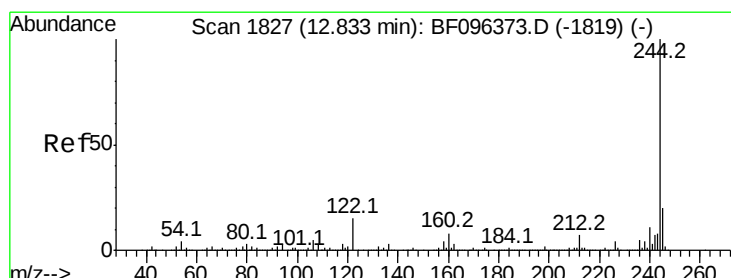
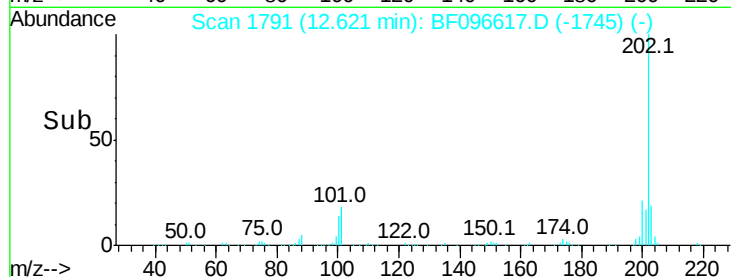
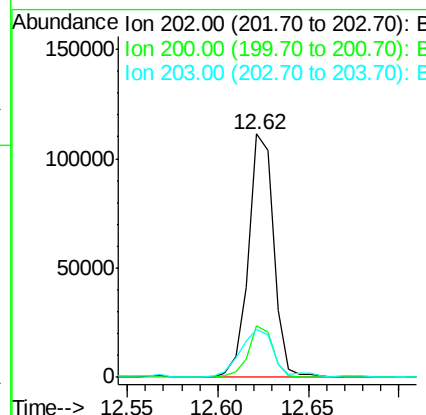
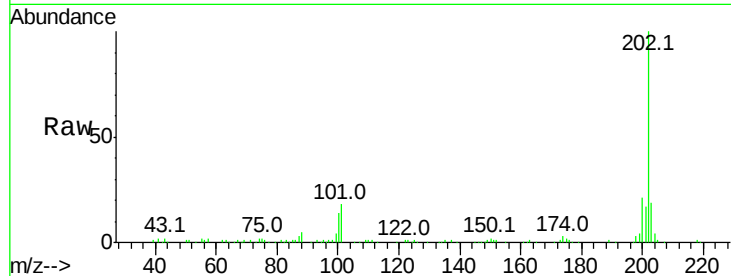
#77
Pvrene
Concen: 5.70 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.03 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Instrument :
BNA_F
ClientSampleId :
SP-1-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.6	26.4
203	19.5	14.4	21.6

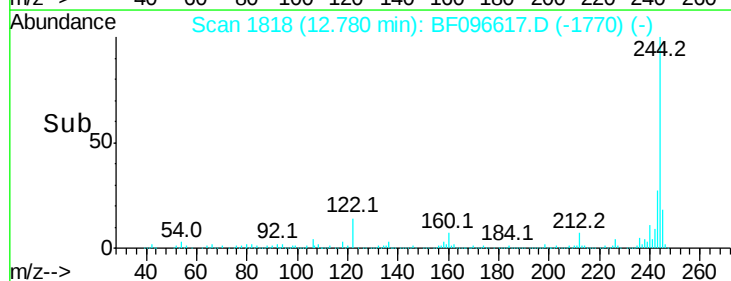
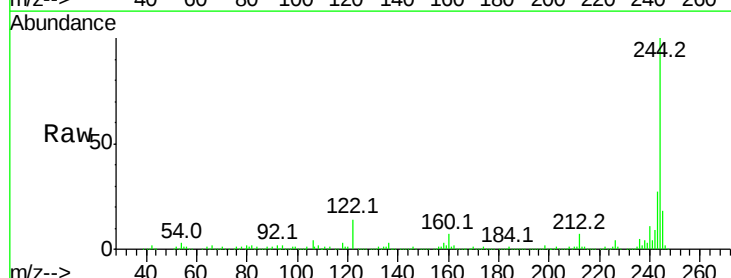
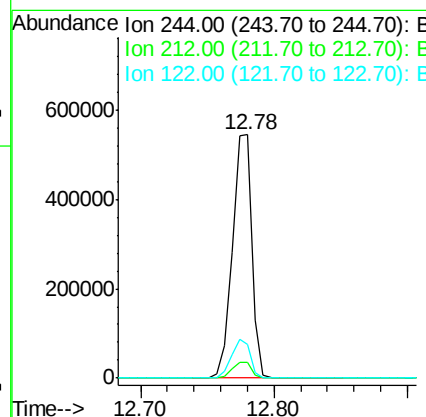
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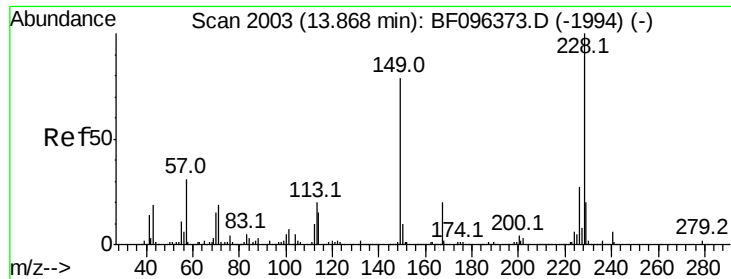
mohammad
7/11/2017 1:35:25 PM



#78
Terphenyl-d14
Concen: 51.01 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.6	10.3	15.5





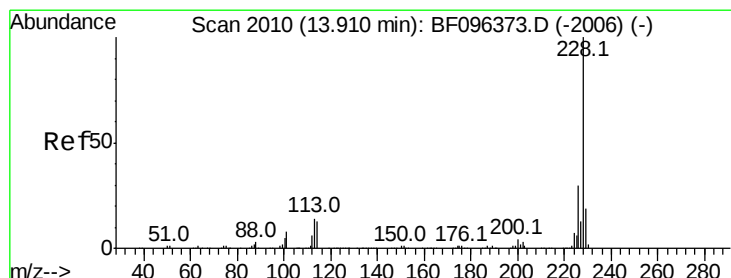
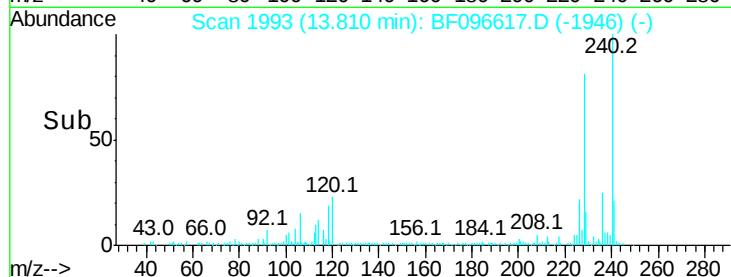
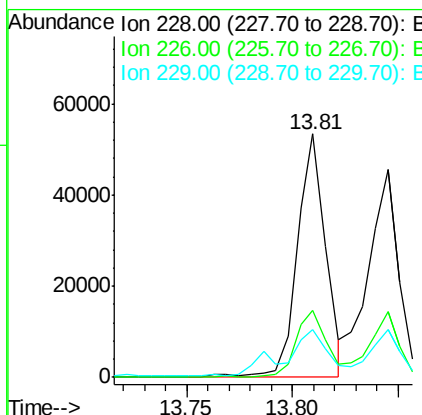
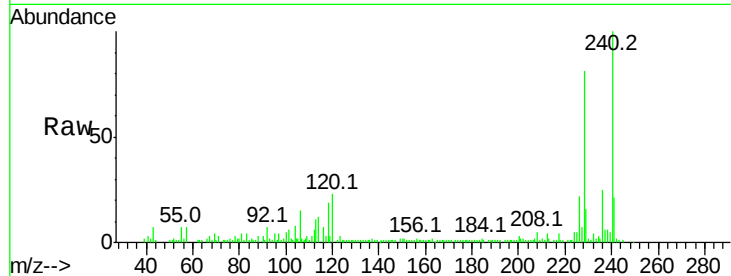
#80
 Benzo(a)anthracene
 Concen: 3.64 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.02 min
 Lab File: BF096617.D
 Acq: 10 Jul 2017 22:43

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-B

Tot Ion:	228	Resp:	49792
Ion Ratio	Lower	Upper	
228	100		
226	27.7	22.6	33.8
229	19.5	16.3	24.5

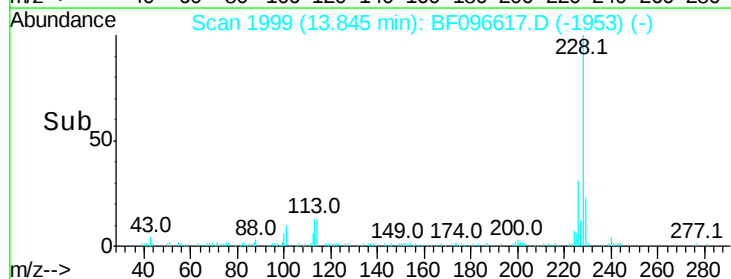
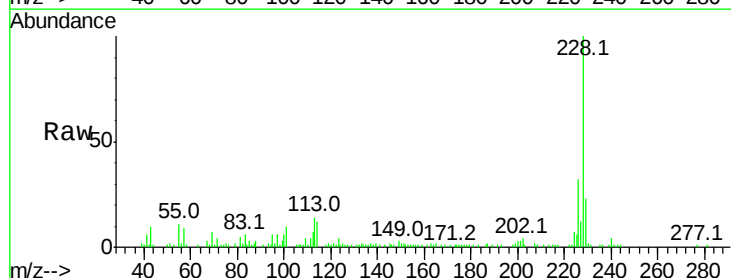
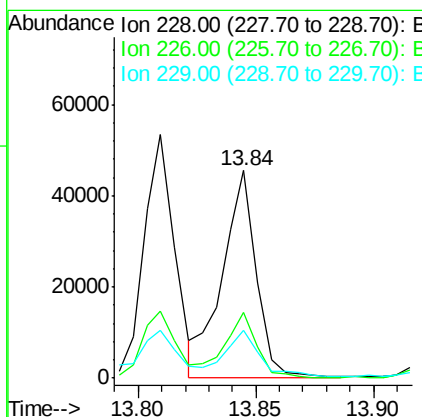
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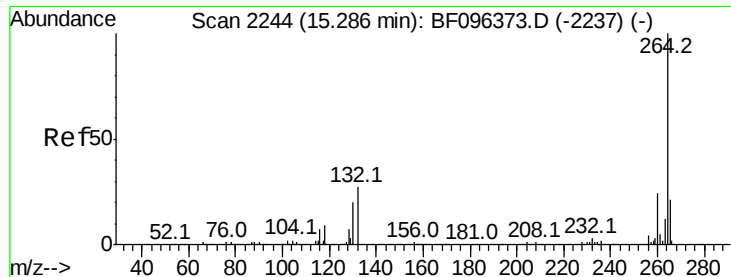
mohammad
 7/11/2017 1:35:25 PM



#82
 Chrysene
 Concen: 3.25 ng m
 RT: 13.84 min Scan# 1999
 Delta R.T. -0.03 min
 Lab File: BF096617.D
 Acq: 10 Jul 2017 22:43

Tgt Ion:	228	Resp:	46619
Ion Ratio	Lower	Upper	
228	100		
226	31.7	24.9	37.3
229	23.3	15.8	23.6





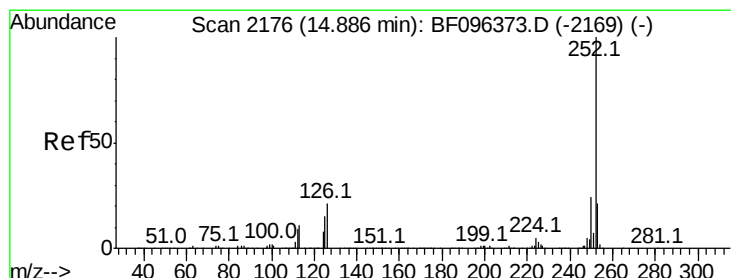
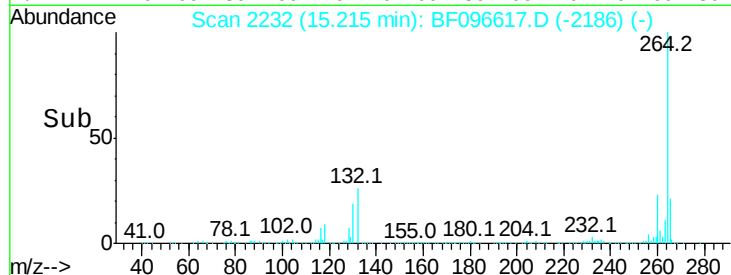
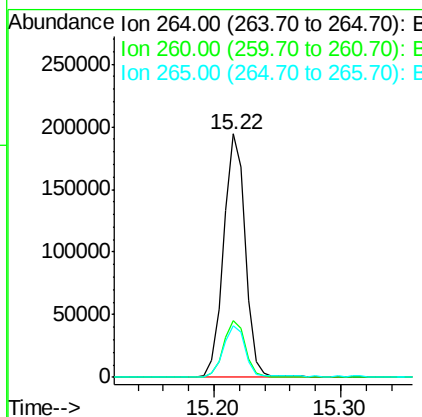
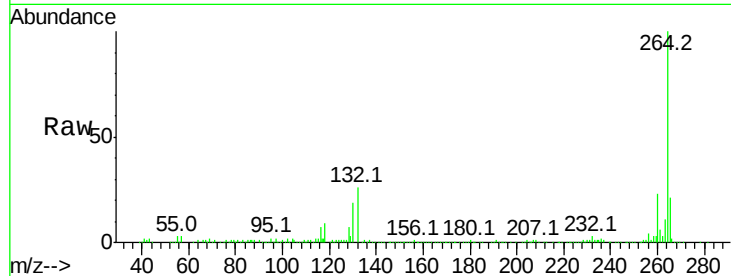
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.03 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Instrument :
BNA_F
ClientSampled :
SP-1-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.2	17.2	25.8

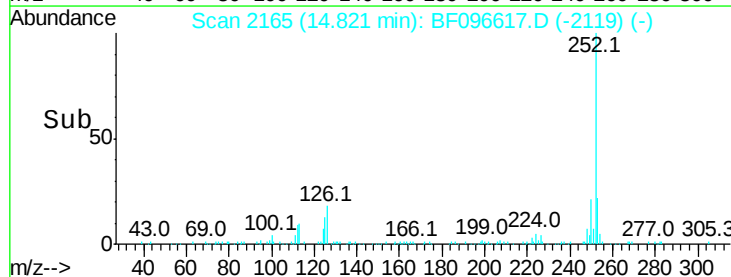
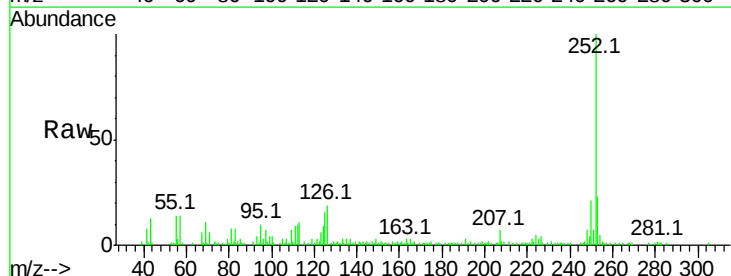
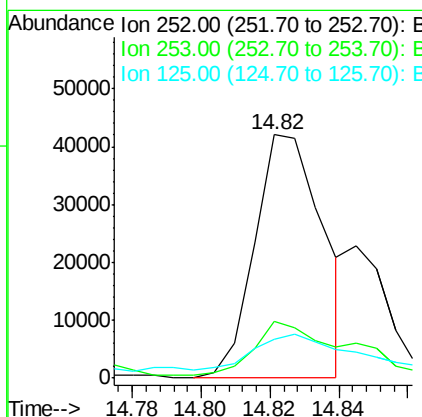
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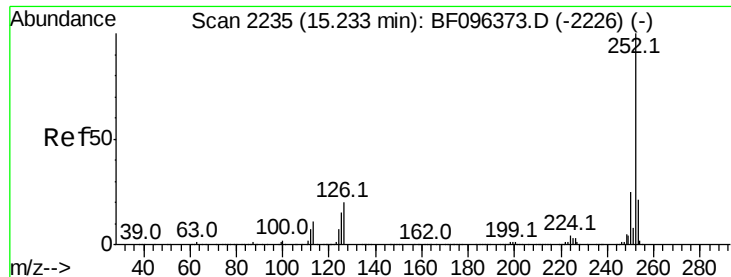
mohammad
7/11/2017 1:35:25 PM



#87
Benzo(b)fluoranthene
Concen: 4.02 ng m
RT: 14.82 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BF096617.D
Acq: 10 Jul 2017 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	16.1	9.8	14.8#





#89

Benzo(a)pyrene

Concen: 2.75 ng

RT: 15.16 min Scan# 2222

Delta R.T. -0.04 min

Lab File: BF096617.D

Acq: 10 Jul 2017 22:43

Instrument :

BNA_F

ClientSampleId :

SP-1-B

Tot Ion:	252	Resp:	35517
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.5	26.3
125	16.4	11.0	16.4

Manual Integrations
APPROVED

mohammad
7/11/2017 1:35:25 PM

