

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097221.D
 Acq On : 31 Jul 2017 21:24
 Operator : SJ/JU
 Sample : I4456-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-SS-3

Manual Integrations
 APPROVED

Sohil
 8/1/2017 5:44:57 PM

Quant Time: Aug 01 05:37:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	123512	20.00	ng	-0.02
21) Naphthalene-d8	7.76	136	442169	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	191591	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	247455	20.00	ng	-0.02
75) Chrysene-d12	13.62	240	214211	20.00	ng	-0.01
86) Perylene-d12	14.97	264	143453	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	448640	54.76	ng	-0.01
7) Phenol-d6	6.16	99	469454	50.19	ng	-0.01
23) Nitrobenzene-d5	7.05	82	248805	33.01	ng	-0.03
41) 2,4,6-Tribromophenol	10.30	330	55702	36.80	ng	-0.02
44) 2-Fluorobiphenyl	8.84	172	458570	40.62	ng	-0.03
78) Terphenyl-d14	12.57	244	271583	25.85	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.24	163	69671	4.789	ng	98
70) Phenanthrene	11.01	178	106343	8.021	ng	96
74) Fluoranthene	12.19	202	178728	13.760	ng	99
77) Pyrene	12.42	202	151035	8.612	ng	98
80) Benzo(a)anthracene	13.60	228	90620	6.538	ng	99
82) Chrysene	13.64	228	73674	5.444	ng	97
85) Indeno(1,2,3-cd)pyrene	16.19	276	25110	2.164	ng	97
87) Benzo(b)fluoranthene	14.61	252	88613m	10.276	ng	
88) Benzo(k)fluoranthene	14.63	252	30913m	3.762	ng	
89) Benzo(a)pyrene	14.92	252	50090	6.347	ng	# 90
91) Benzo(g,h,i)perylene	16.56	276	25745	3.793	ng	93

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

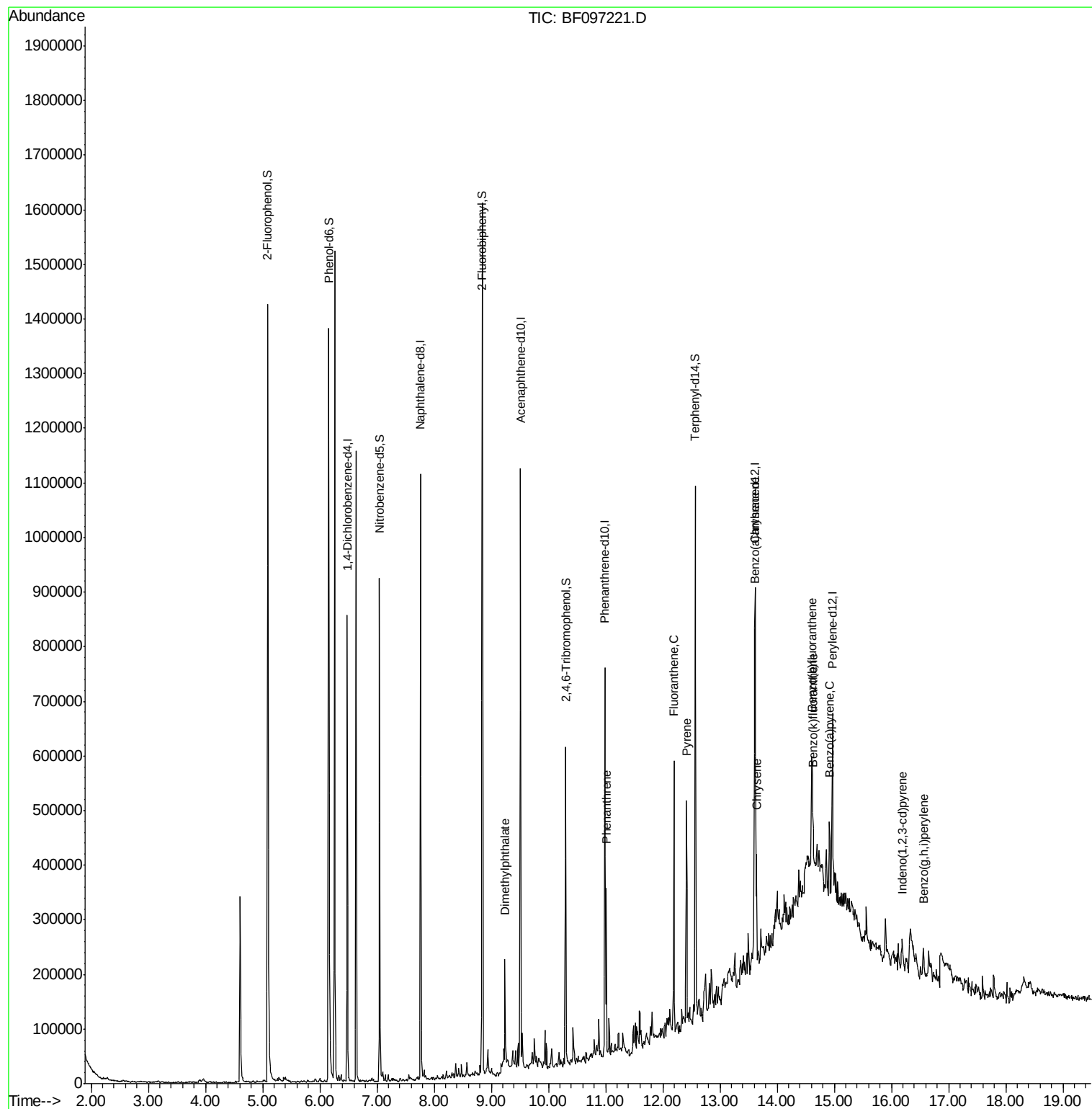
Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
Data File : BF097221.D
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Operator : SJ/JU
Sample : I4456-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

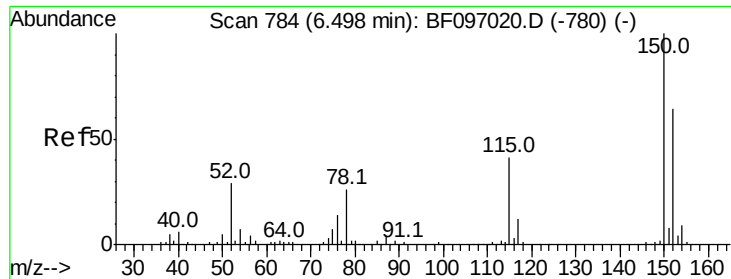
Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

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#1

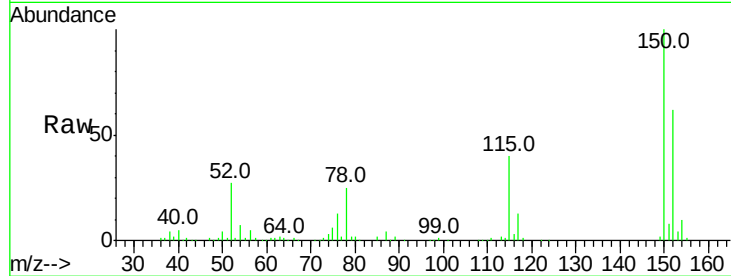
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.2	189.2
115	63.4	52.2	78.2

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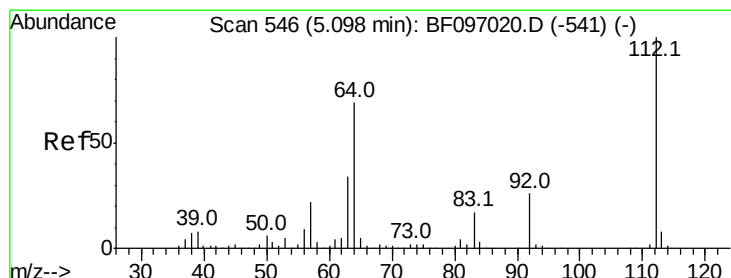
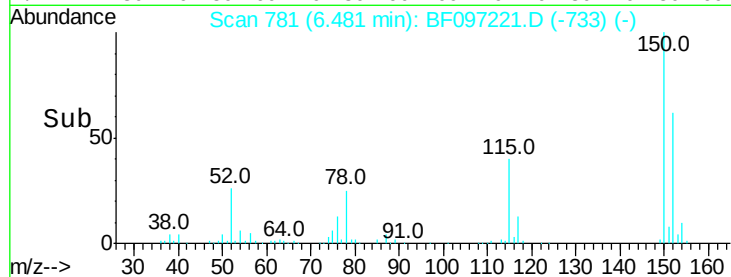
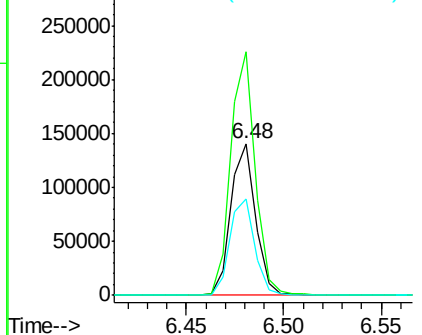


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

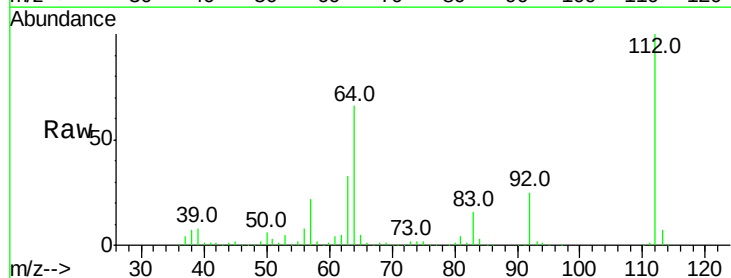
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 54.757 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	46.0	69.0
63	32.9	23.4	35.0

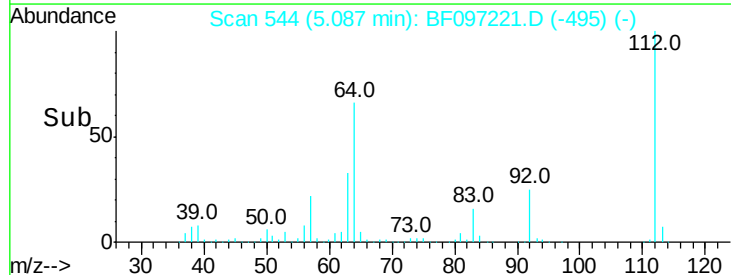
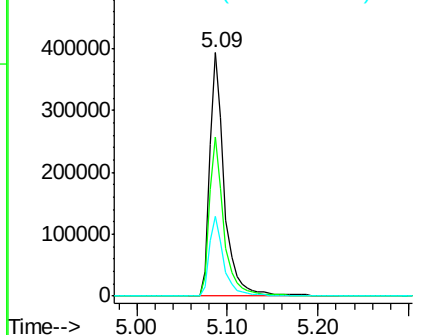


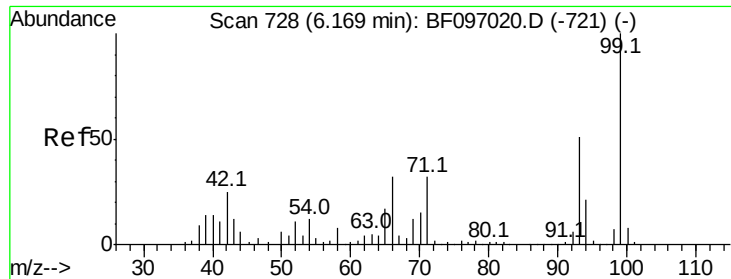
Abundance

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: 50.190 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Instrument :

BNA_F

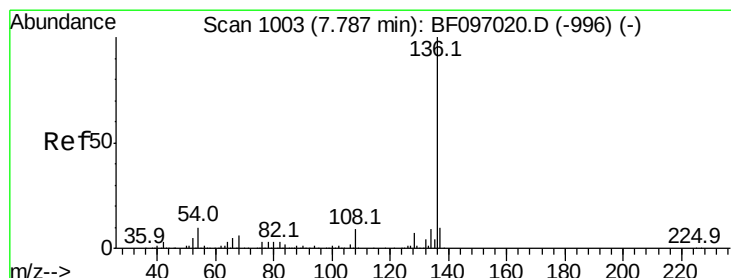
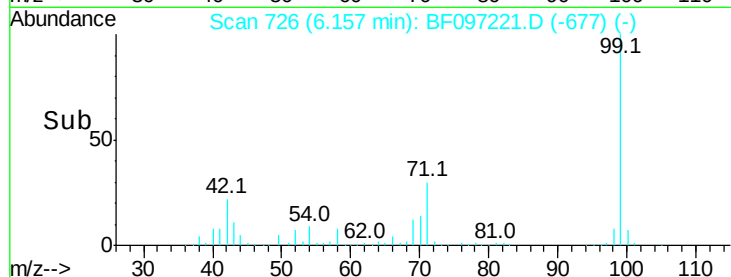
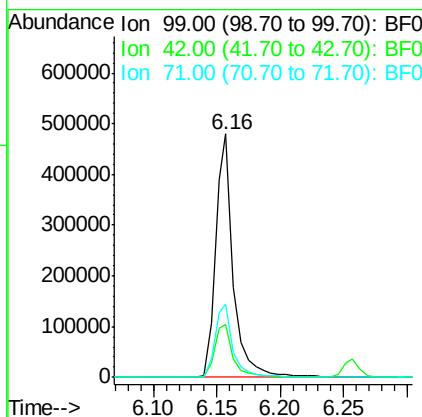
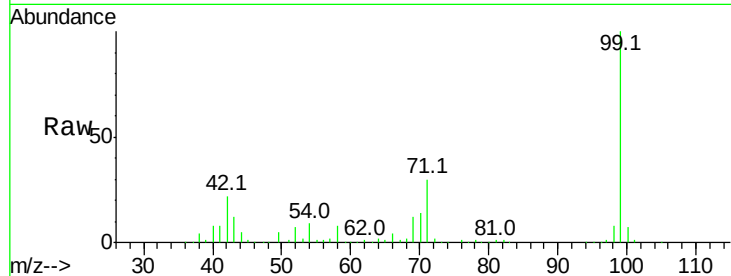
ClientSampleId :

TP-7-SS-3

Tot Ion:	99	Resp:	469454
Ion Ratio	Lower	Upper	
99	100		
42	21.8	13.5	20.3#
71	30.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

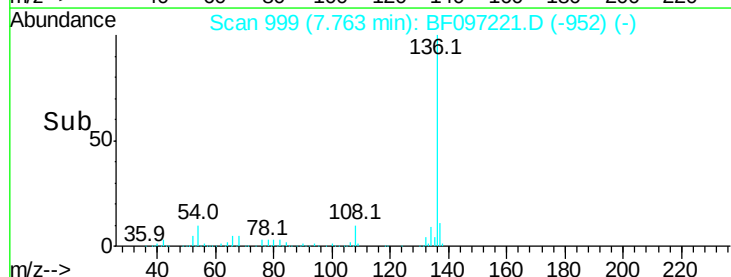
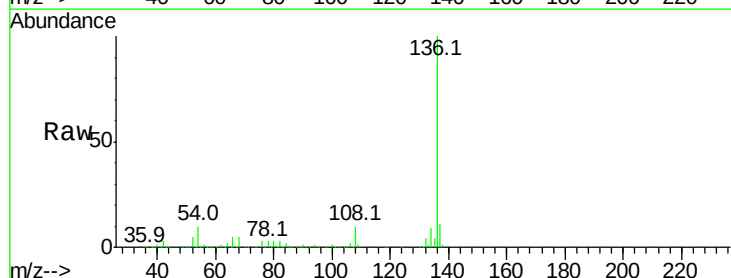
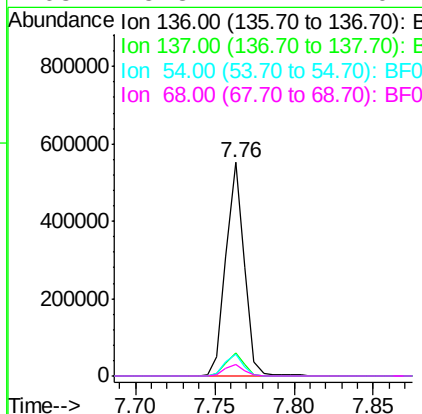
RT: 7.76 min Scan# 999

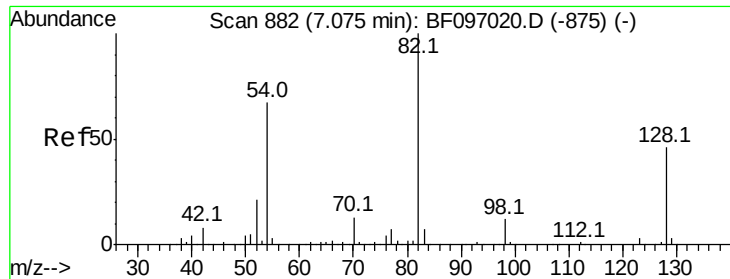
Delta R.T. -0.02 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Tgt Ion:	136	Resp:	442169
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	10.1	4.9	7.3#
68	5.3	4.1	6.1





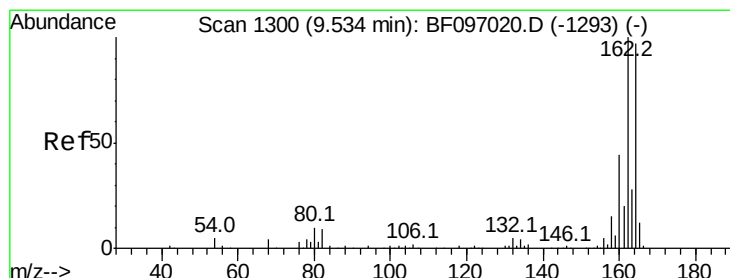
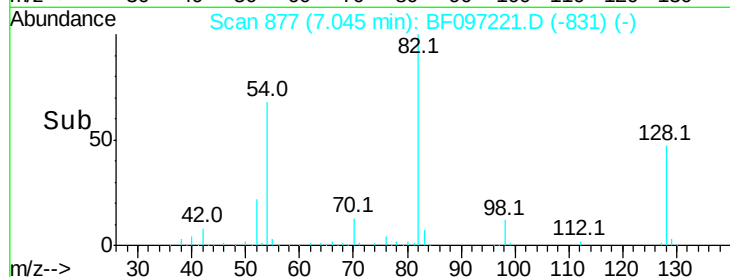
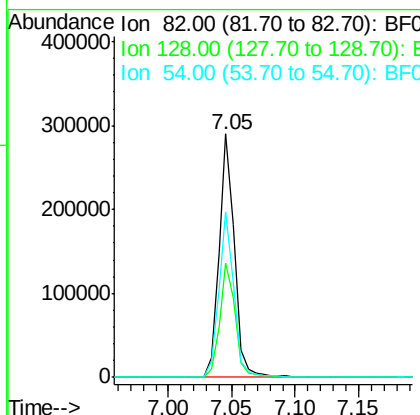
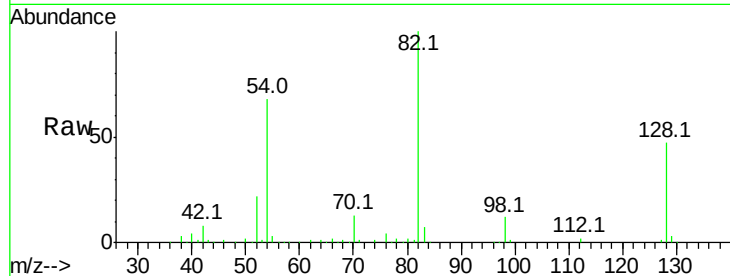
#23
Nitrobenzene-d5
Concen: 33.010 ng
RT: 7.05 min Scan# 877
Delta R.T. -0.03 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.8	34.0	51.0	
54	67.9	42.2	63.2	

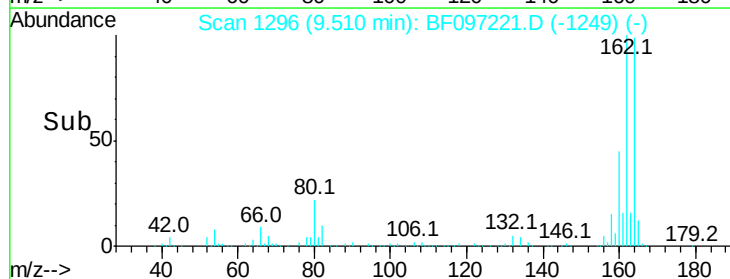
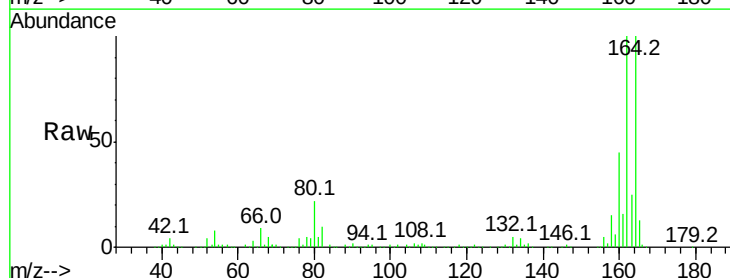
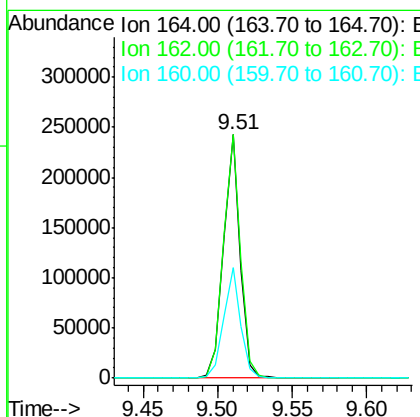
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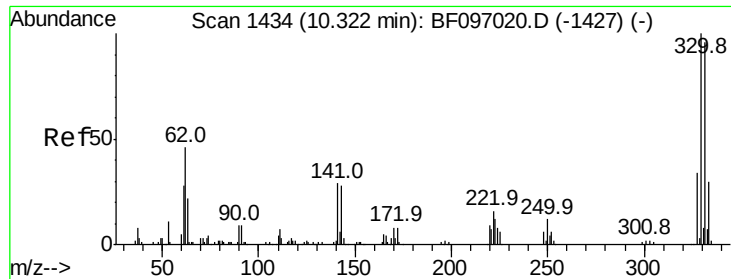
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.51 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.0	82.6	123.8	
160	45.5	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 36.797 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Instrument :

BNA_F

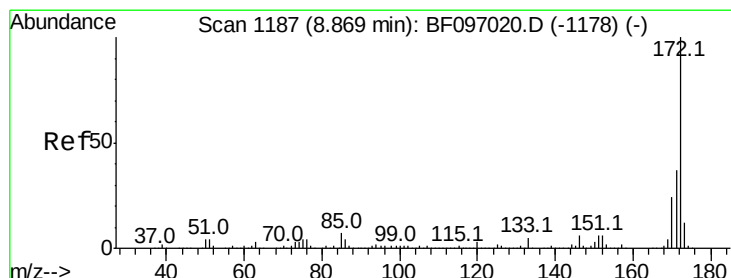
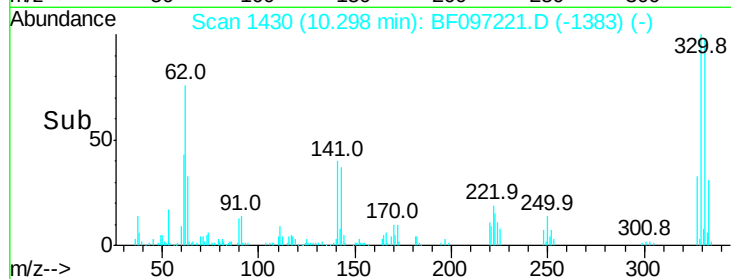
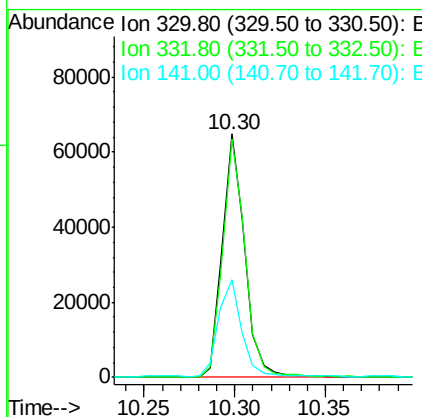
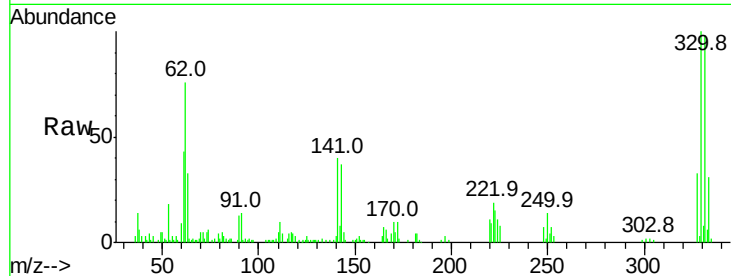
ClientSampled :

TP-7-SS-3

Tot Ion:	330	Resp:	55702
Ion Ratio	Lower	Upper	
330	100		
332	97.7	76.6	115.0
141	43.3	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 40.620 ng

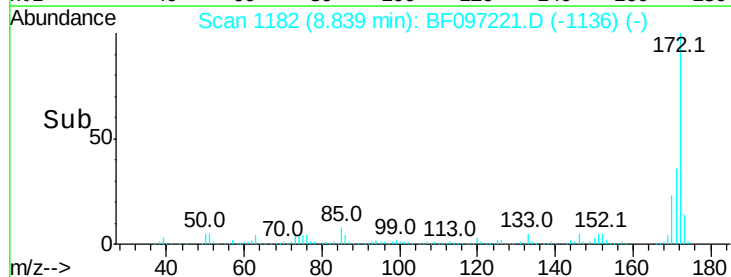
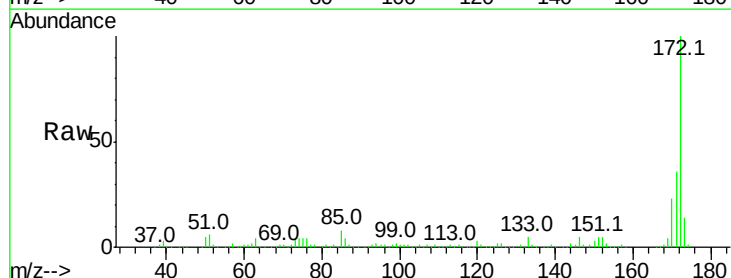
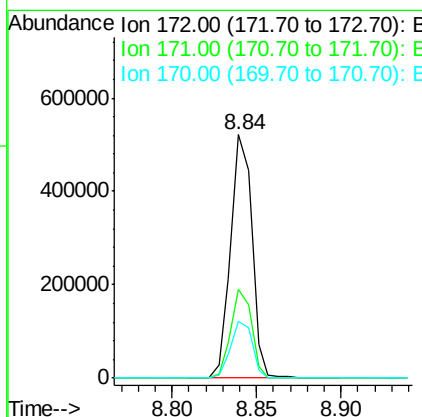
RT: 8.84 min Scan# 1182

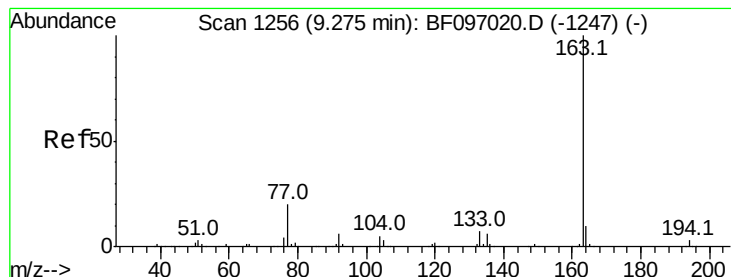
Delta R.T. -0.03 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Tgt Ion:	172	Resp:	458570
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.6	44.4
170	23.5	19.8	29.8





#49

Dimethylphthalate

Concen: 4.789 ng

RT: 9.24 min Scan# 1250

Delta R.T. -0.04 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Instrument :

BNA_F

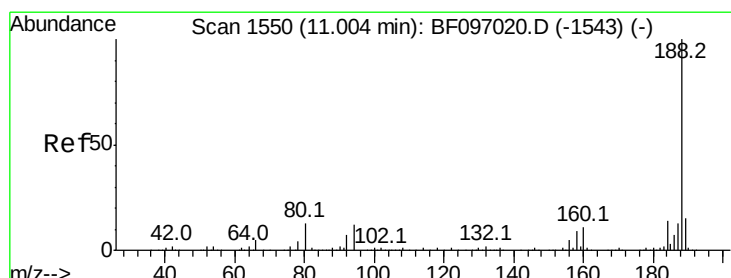
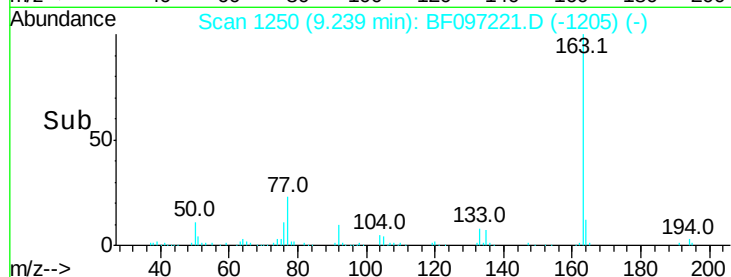
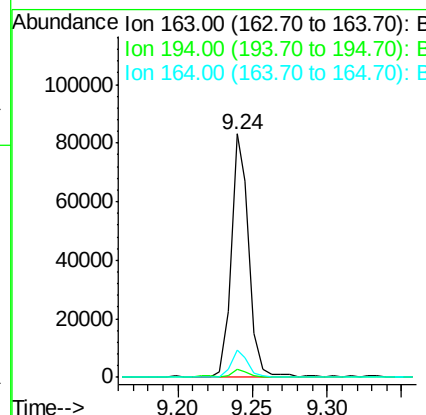
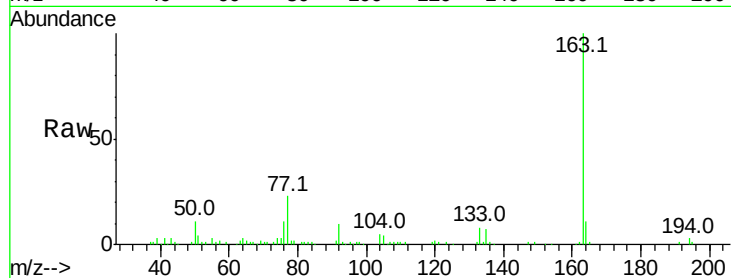
ClientSampled :

TP-7-SS-3

Tot Ion:	163	Resp:	69671
Ion Ratio	Lower	Upper	
163	100		
194	3.2	2.6	4.0
164	11.5	8.4	12.6

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#63

Phenanthrene-d10

Concen: 20.000 ng

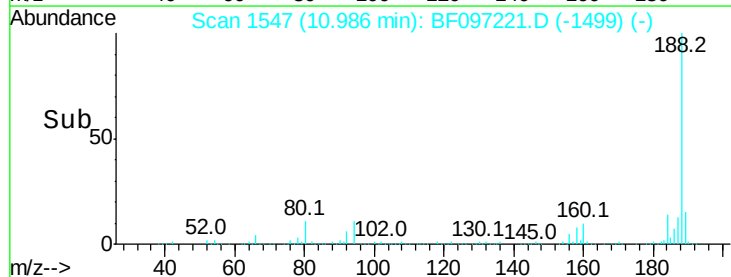
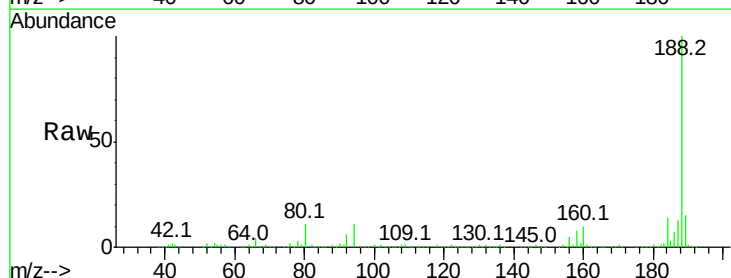
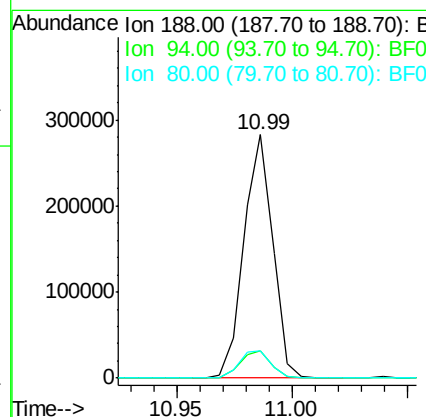
RT: 10.99 min Scan# 1547

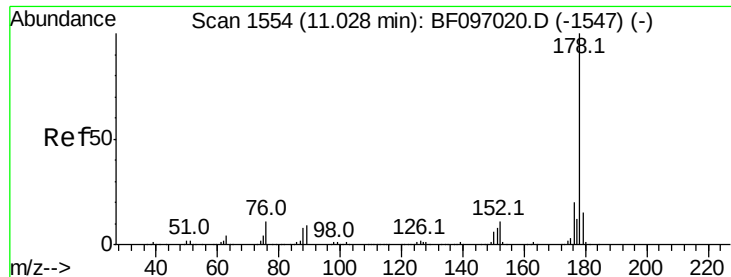
Delta R.T. -0.02 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Tgt Ion:	188	Resp:	247455
Ion Ratio	Lower	Upper	
188	100		
94	11.0	9.4	14.2
80	11.2	10.2	15.2





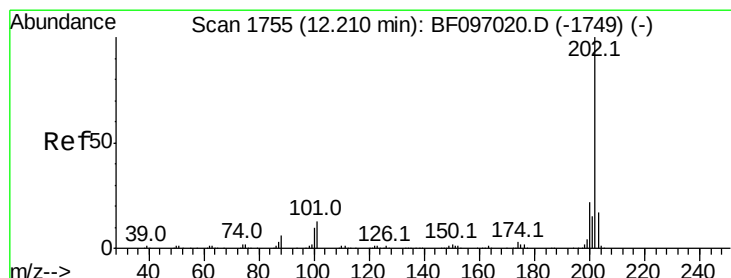
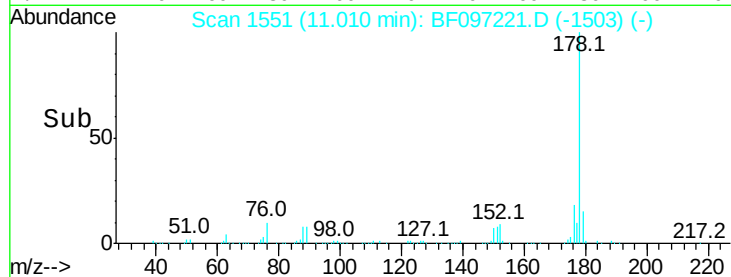
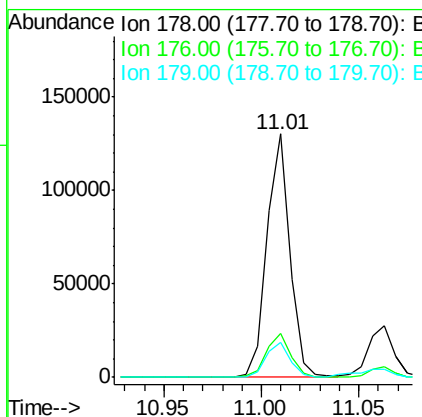
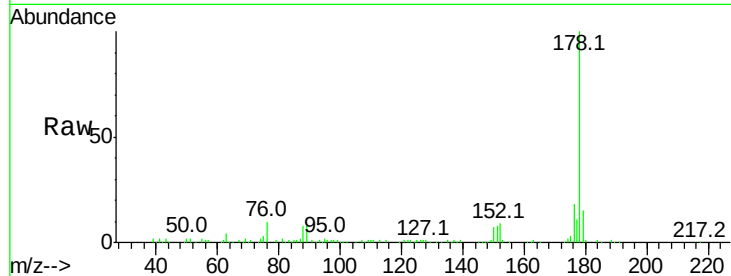
#70
Phenanthrene
Concen: 8.021 ng
RT: 11.01 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	16.2	24.4
179	14.6	12.6	19.0

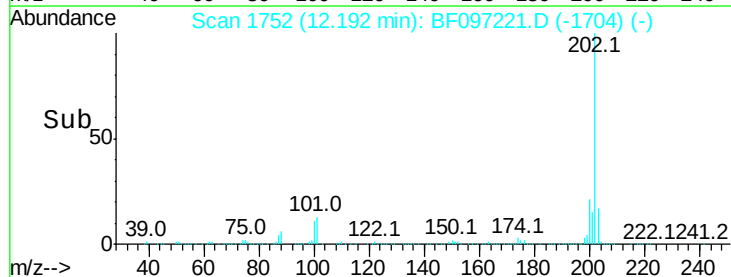
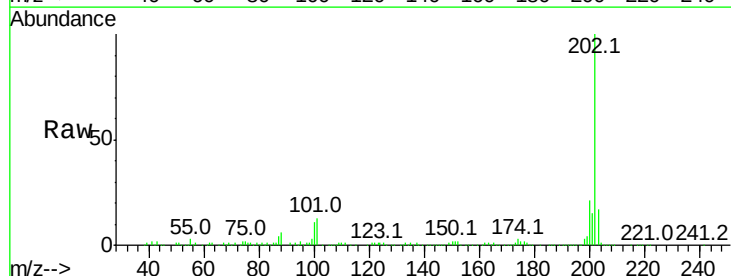
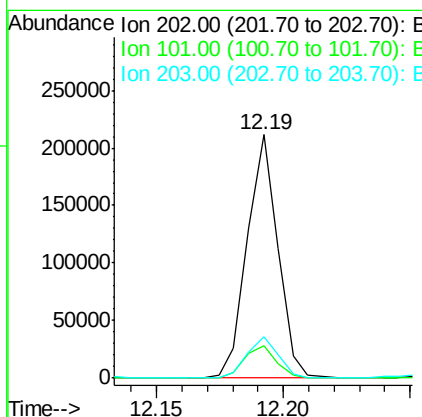
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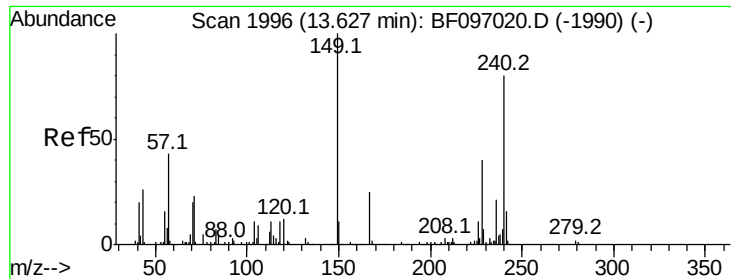
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#74
Fluoranthene
Concen: 13.760 ng
RT: 12.19 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.62 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

TP-7-SS-3

Tot Ion:240 Resp: 214211

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

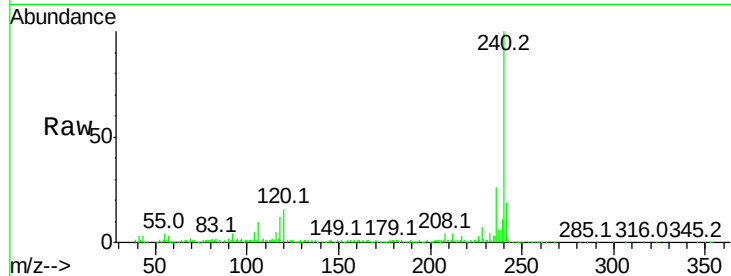
236 25.9 20.5 30.7

Manual Integrations

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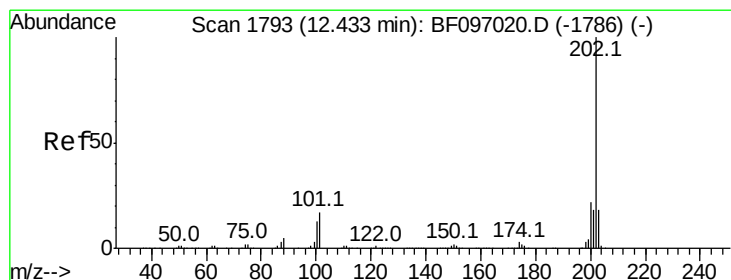
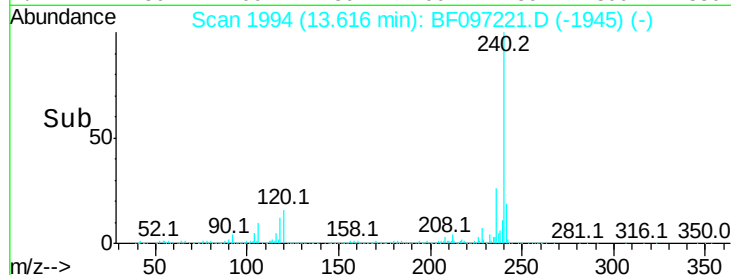
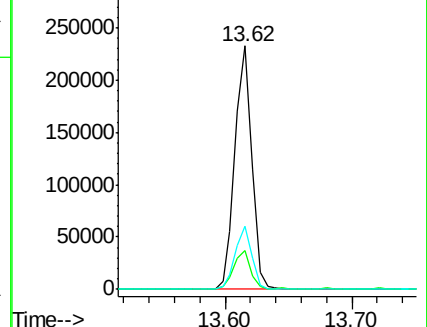
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.612 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

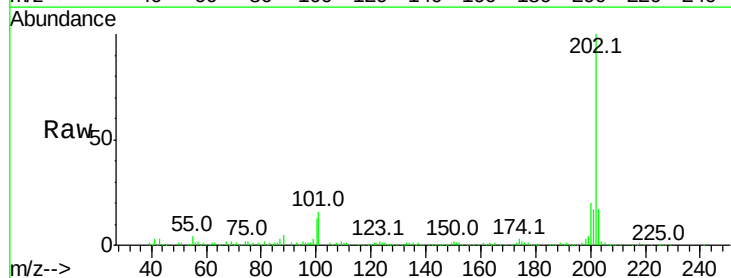
Tgt Ion:202 Resp: 151035

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

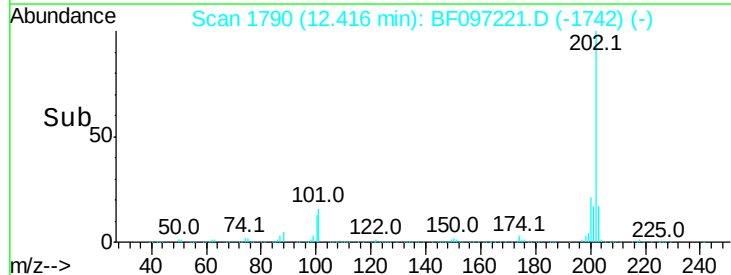
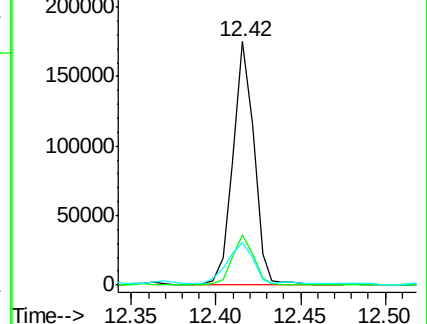
203 17.4 14.4 21.6

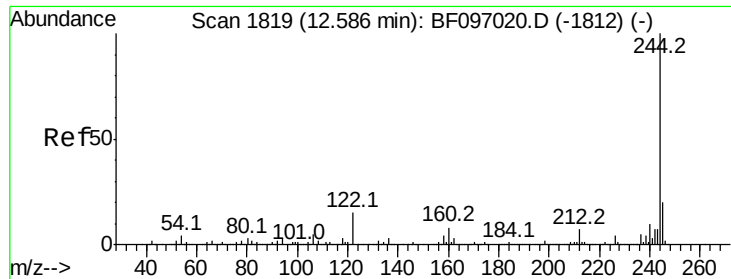


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





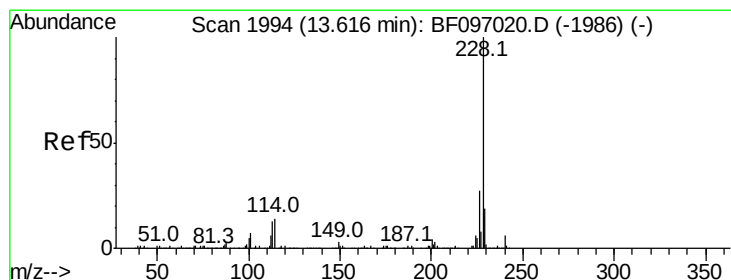
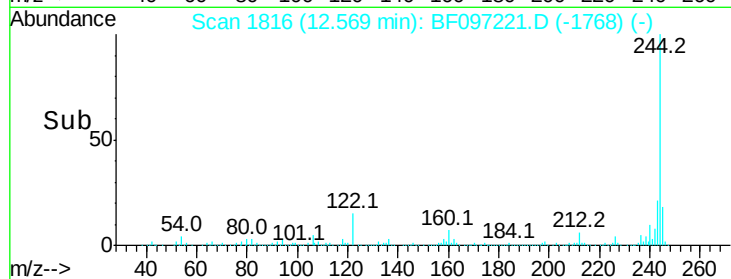
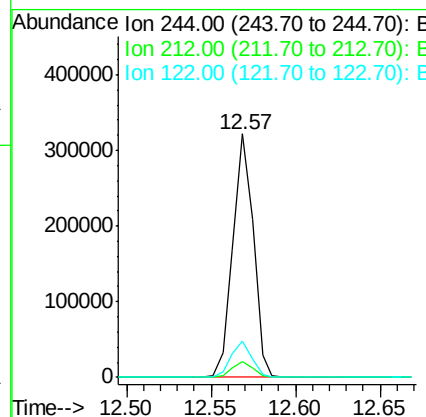
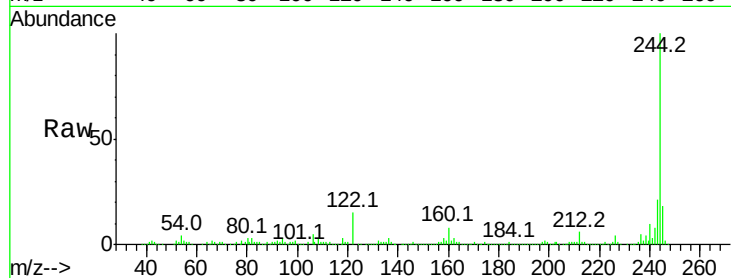
#78
 Terphenyl-d14
 Concen: 25.849 ng
 RT: 12.57 min Scan# 1816
 Delta R.T. -0.02 min
 Lab File: BF097221.D
 Acq: 31 Jul 2017 21:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-SS-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.2	6.0	9.0
122	15.1	10.3	15.5

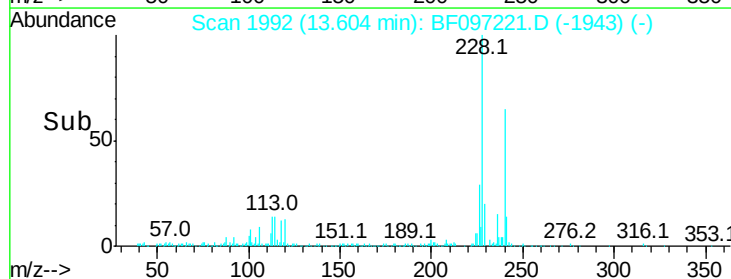
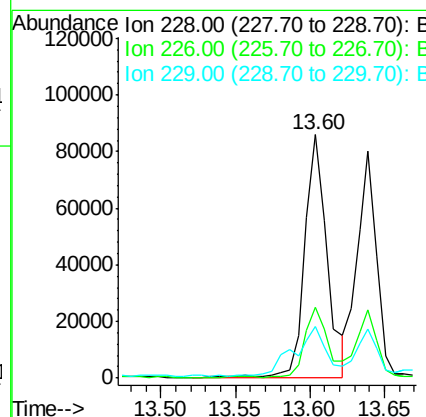
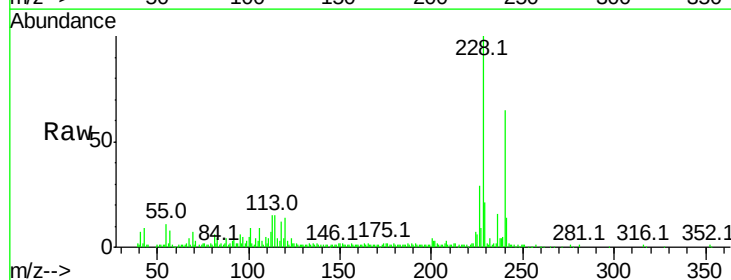
Manual Integrations
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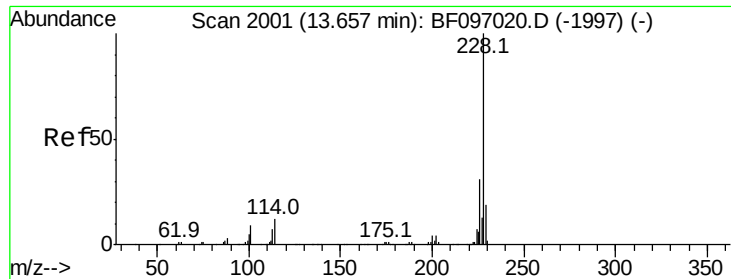
Sohil
 8/1/2017 5:44:57 PM



#80
 Benzo(a)anthracene
 Concen: 6.538 ng
 RT: 13.60 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF097221.D
 Acq: 31 Jul 2017 21:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.0	16.3	24.5





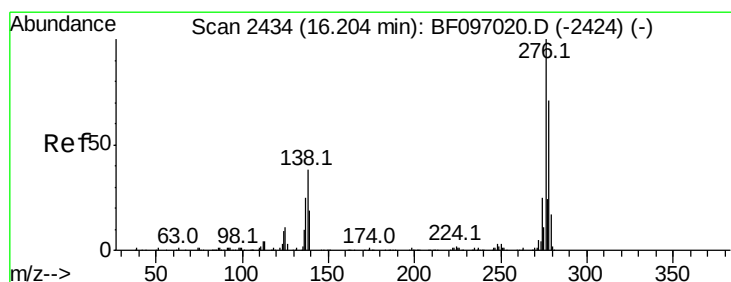
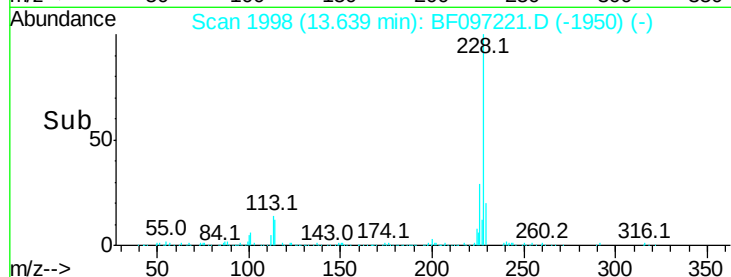
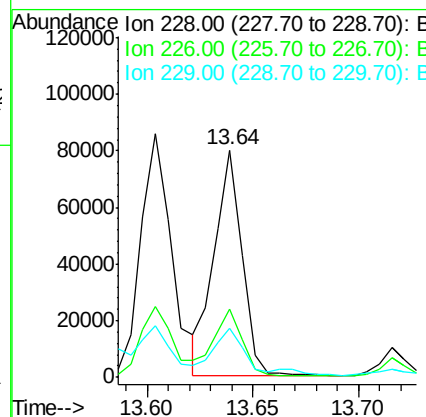
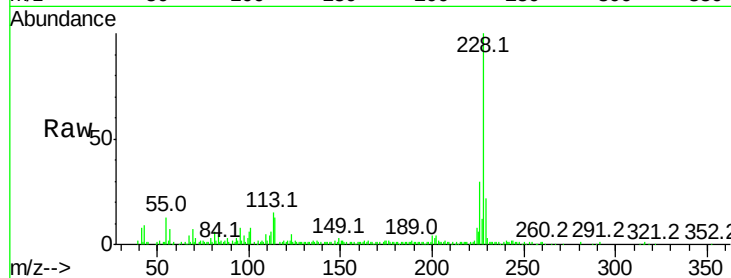
#82
Chrysene
Concen: 5.444 ng
RT: 13.64 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion:	228	Resp:	73674
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	21.9	15.8	23.6

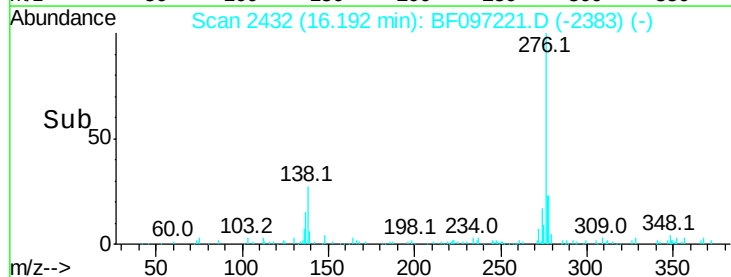
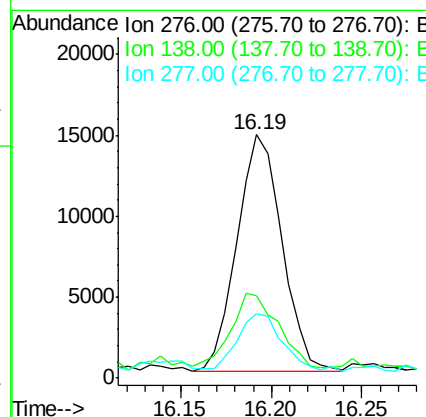
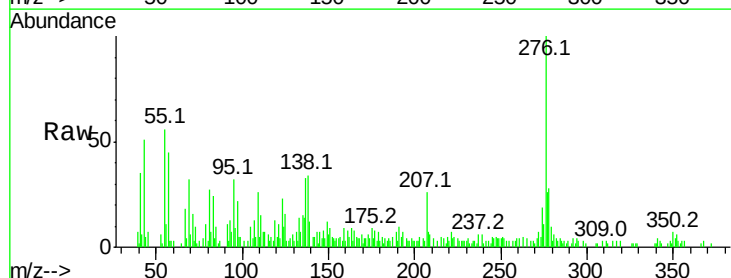
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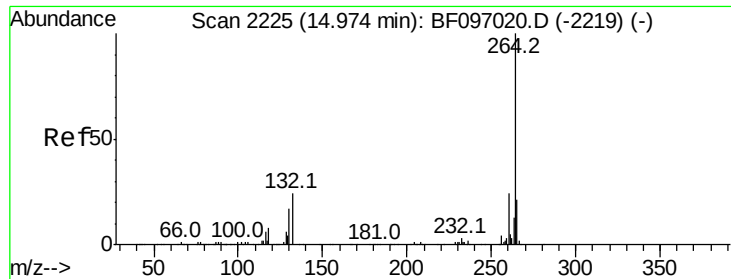
Sohil
8/1/2017 5:44:57 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.164 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion:	276	Resp:	25110
Ion Ratio	Lower	Upper	
276	100		
138	32.5	27.8	41.6
277	24.2	20.2	30.4





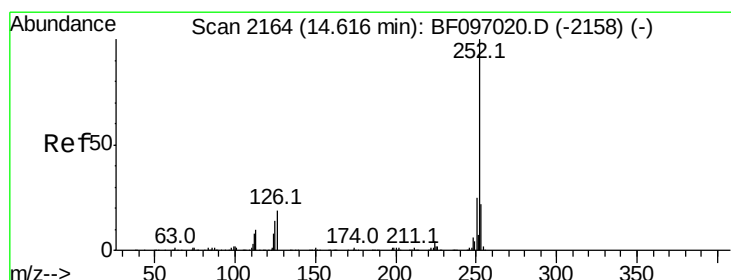
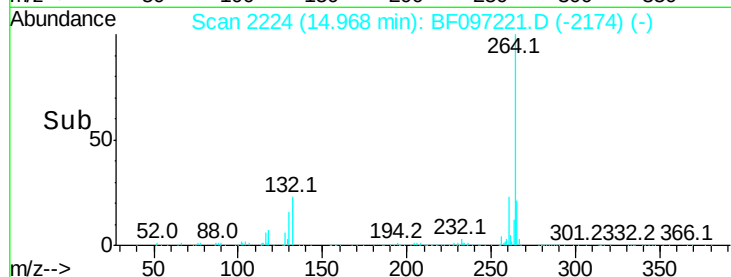
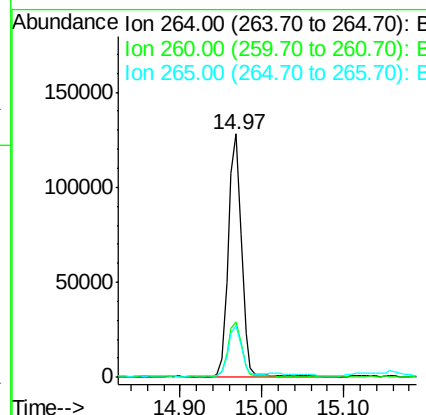
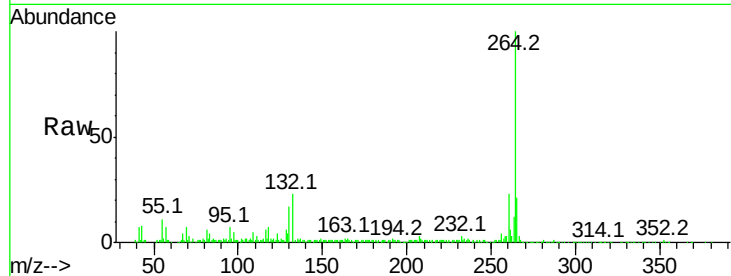
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampleId :
TP-7-SS-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	21.0	17.2	25.8

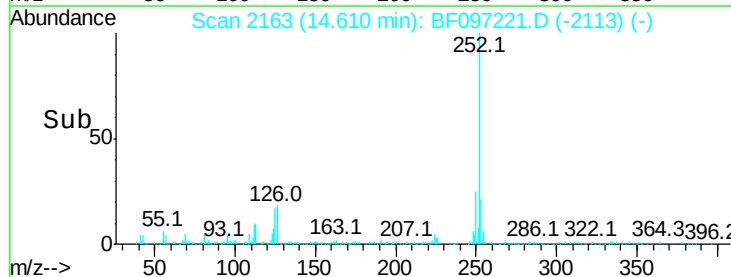
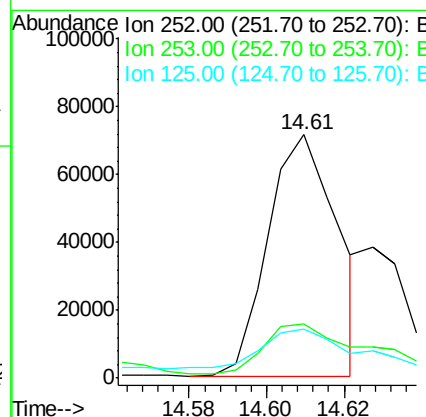
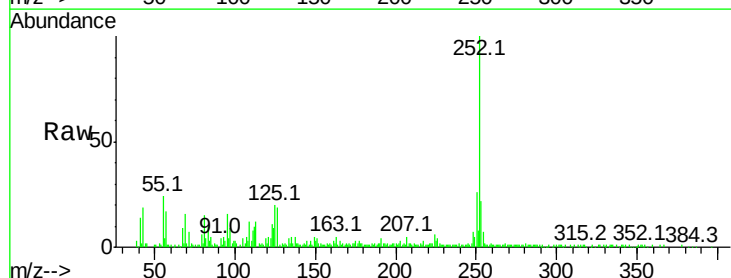
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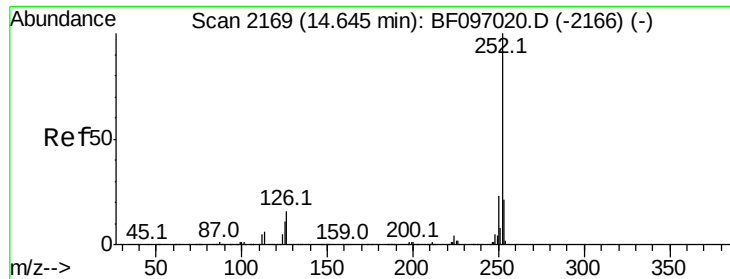
Sohil
8/1/2017 5:44:57 PM



#87
Benzo(b)fluoranthene
Concen: 10.276 ng m
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	19.9	9.8	14.8#





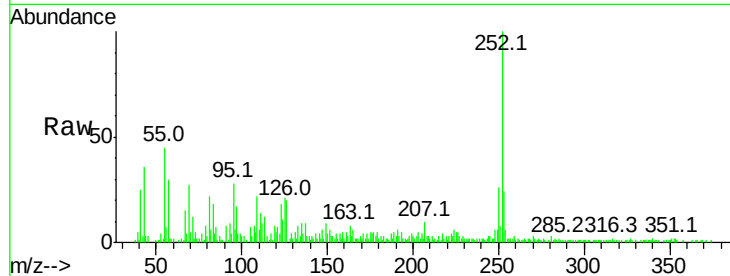
#88
Benzo(k)fluoranthene
Concen: 3.762 ng m
RT: 14.63 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

Instrument :
BNA_F
ClientSampled :
TP-7-SS-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.4	27.6
125	20.9	13.1	19.7

Manual Integrations
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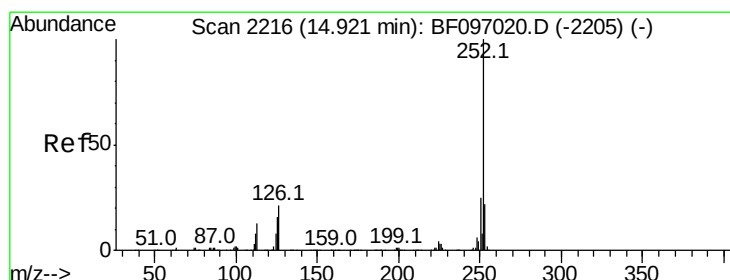
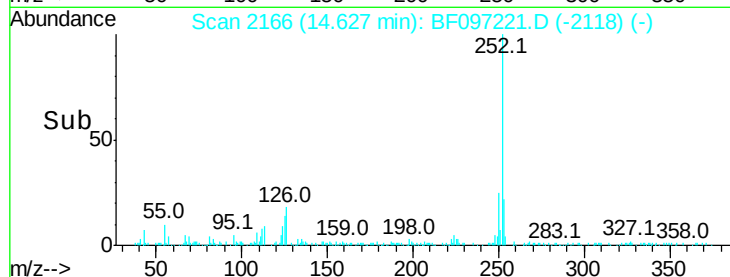
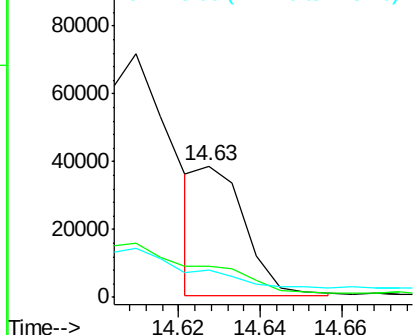


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 6.347 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097221.D
Acq: 31 Jul 2017 21:24

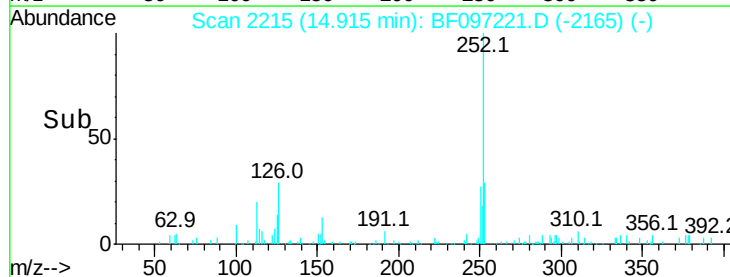
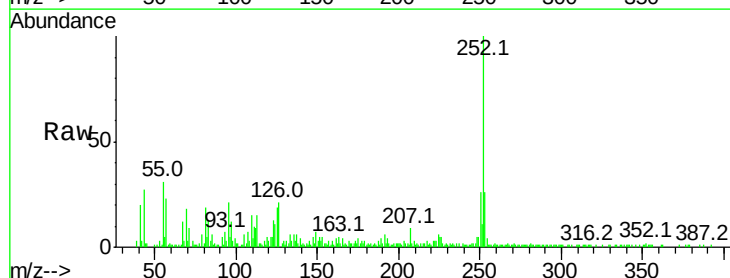
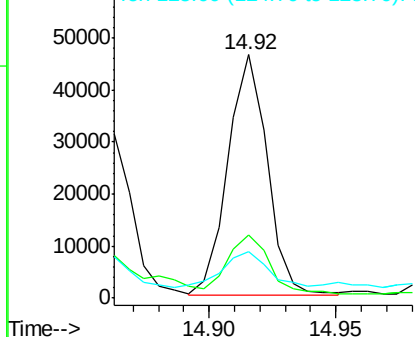
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.5	26.3
125	18.9	11.0	16.4

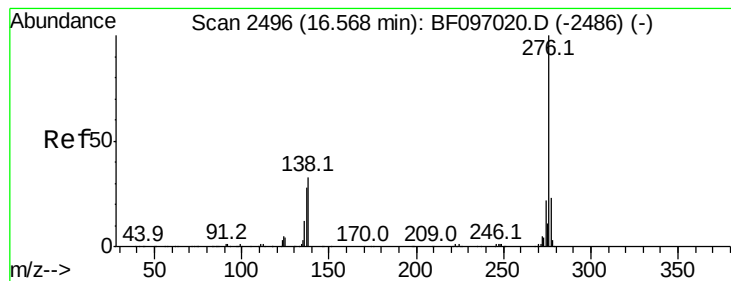
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.793 ng

RT: 16.56 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BF097221.D

Acq: 31 Jul 2017 21:24

Instrument :

BNA_F

ClientSampleId :

TP-7-SS-3

Tot Ion:	276	Resp:	25745
Ion Ratio	Lower	Upper	
276	100		
277	26.2	18.6	28.0
138	36.0	25.4	38.0

Manual Integrations
APPROVED

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