

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097217.D
 Acq On : 31 Jul 2017 19:33
 Operator : SJ/JU
 Sample : I4456-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS-7

Manual Integrations
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Sohil
 8/1/2017 5:44:48 PM

Quant Time: Aug 01 04:59:31 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	117521	20.00	ng	-0.02
21) Naphthalene-d8	7.76	136	480504	20.00	ng	-0.02
38) Acenaphthene-d10	9.51	164	173747	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	228677	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	196613	20.00	ng	-0.02
86) Perylene-d12	14.96	264	174969	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	709914	91.06	ng	0.00
7) Phenol-d6	6.16	99	945355	106.22	ng	-0.01
23) Nitrobenzene-d5	7.05	82	576261	70.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	122482	89.22	ng	-0.02
44) 2-Fluorobiphenyl	8.84	172	725590	70.87	ng	-0.03
78) Terphenyl-d14	12.57	244	421215	43.68	ng	-0.02
Target Compounds						
10) Phenol	6.17	94	22456	2.127	ng	Qvalue 90
49) Dimethylphthalate	9.24	163	123291	9.344	ng	99
70) Phenanthrene	11.01	178	69304	5.656	ng	98
74) Fluoranthene	12.19	202	129469	10.786	ng	98
77) Pyrene	12.42	202	116309	7.226	ng	98
80) Benzo(a)anthracene	13.60	228	62293	4.897	ng	95
82) Chrysene	13.63	228	64014	5.153	ng	96
85) Indeno(1,2,3-cd)pyrene	16.19	276	28288	2.656	ng	97
87) Benzo(b)fluoranthene	14.60	252	94849m	9.018	ng	
88) Benzo(k)fluoranthene	14.63	252	21353m	2.131	ng	
89) Benzo(a)pyrene	14.91	252	58171	6.043	ng	# 97
91) Benzo(a,h,i)perylene	16.55	276	26175	3.162	ng	95

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

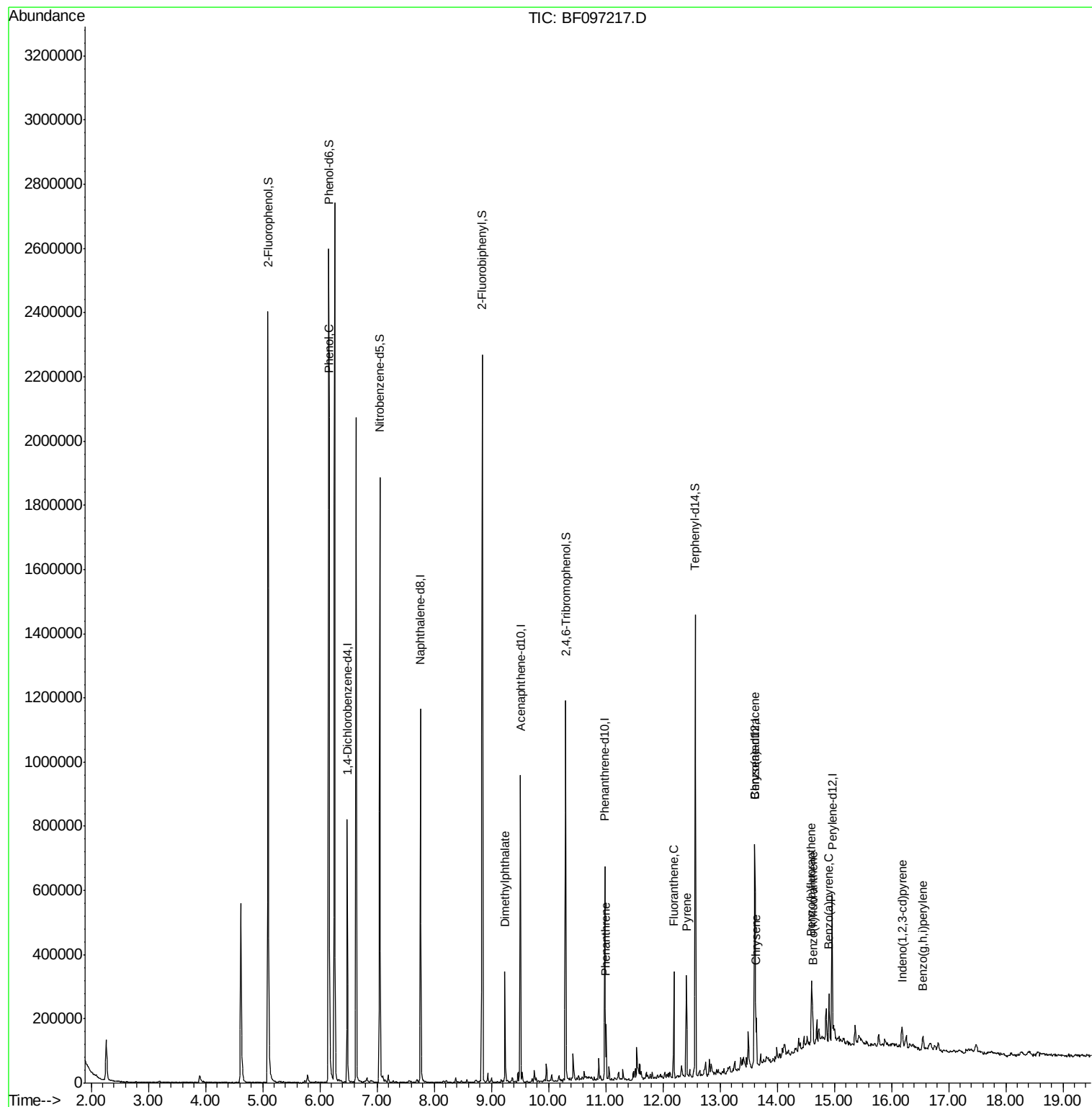
Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
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ALS Vial : 18 Sample Multiplier: 1

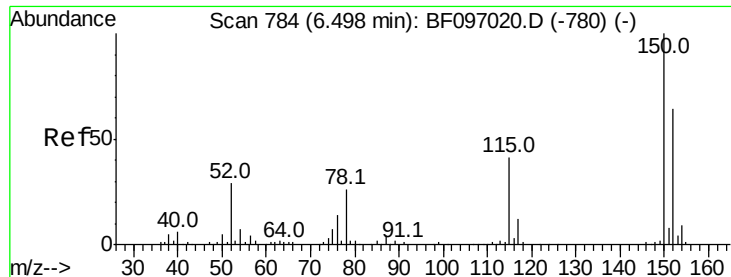
Instrument :
BNA_F
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#1

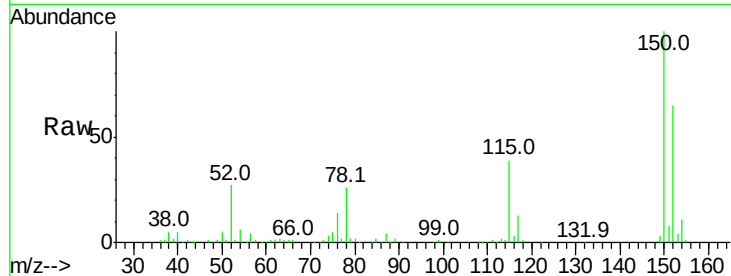
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Instrument :
BNA_F
ClientSampled :
TP-16-SS-7

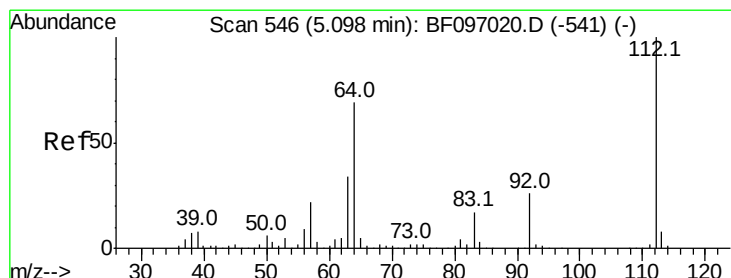
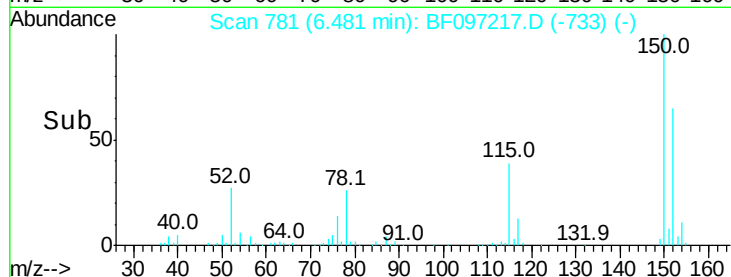
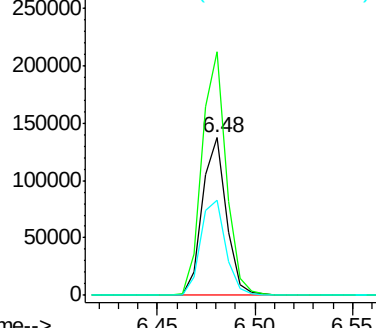
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	126.2	189.2
115	60.2	52.2	78.2

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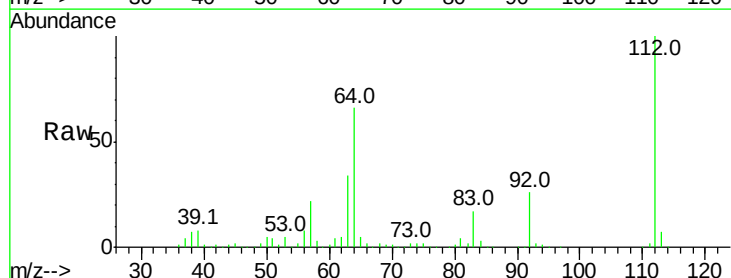
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



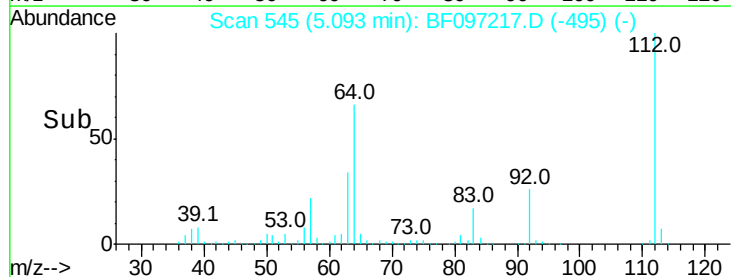
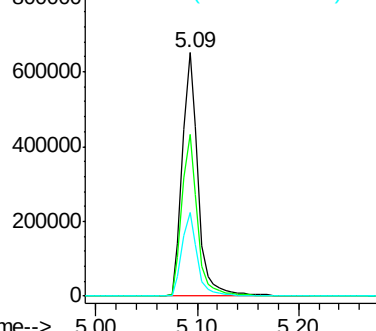
#5

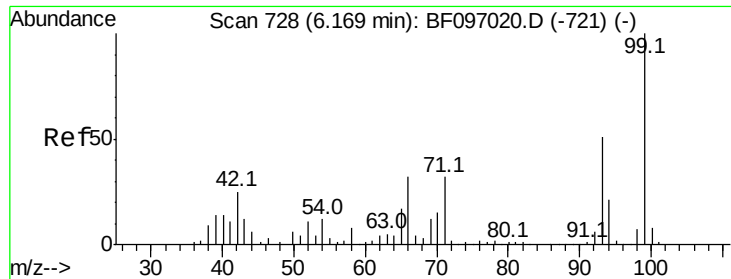
2-Fluorophenol
Concen: 91.063 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	46.0	69.0
63	34.2	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: 106.221 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Instrument :

BNA_F

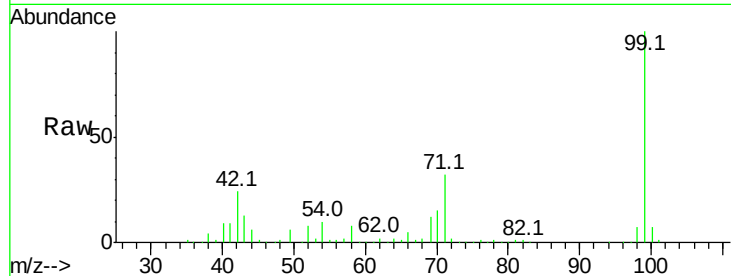
ClientSampled :

TP-16-SS-7

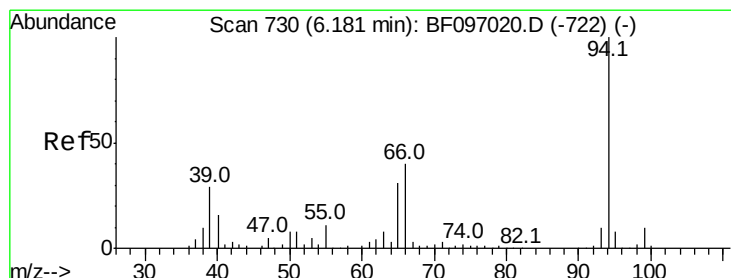
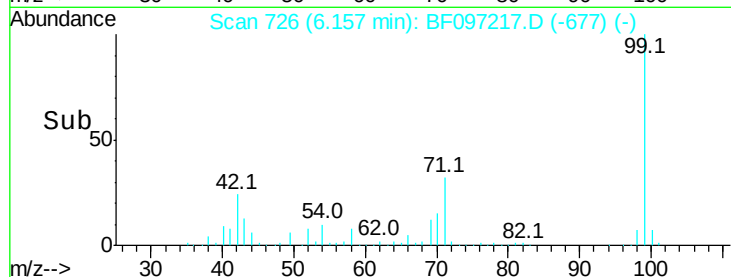
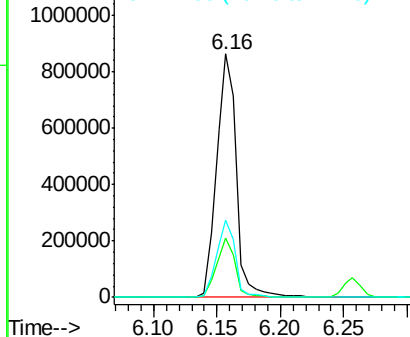
Tot Ion:	99	Resp:	945355
Ion Ratio	Lower	Upper	
99	100		
42	24.3	13.5	20.3#
71	31.8	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.127 ng

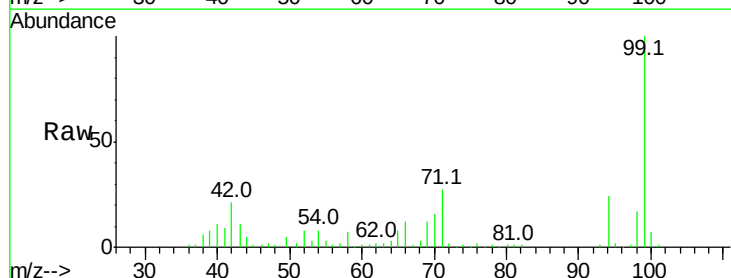
RT: 6.17 min Scan# 728

Delta R.T. -0.01 min

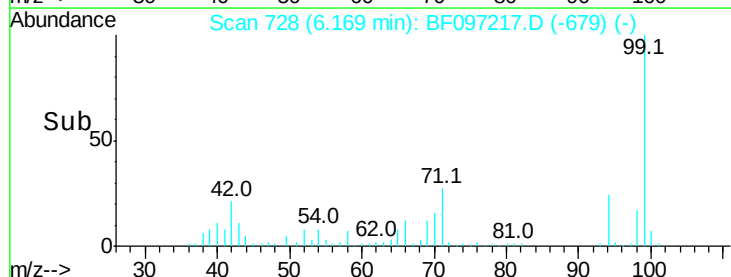
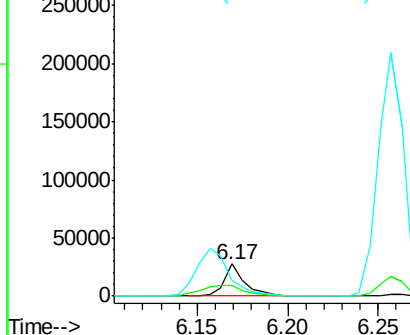
Lab File: BF097217.D

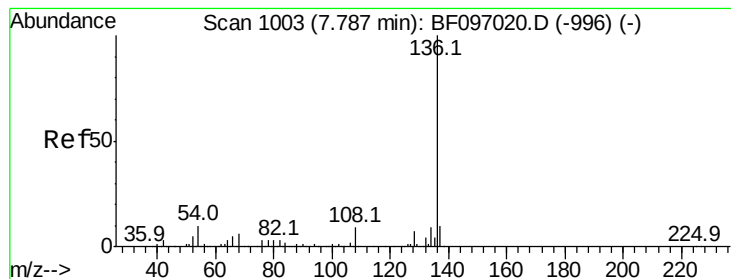
Acq: 31 Jul 2017 19:33

Tgt Ion:	94	Resp:	22456
Ion Ratio	Lower	Upper	
94	100		
65	34.3	9.9	49.9
66	50.0	23.1	63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.76 min Scan# 999

Delta R.T. -0.02 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Instrument :

BNA_F

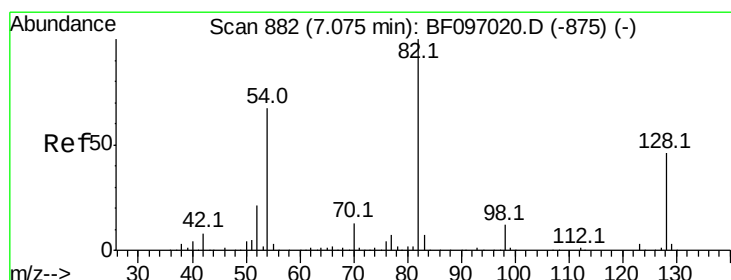
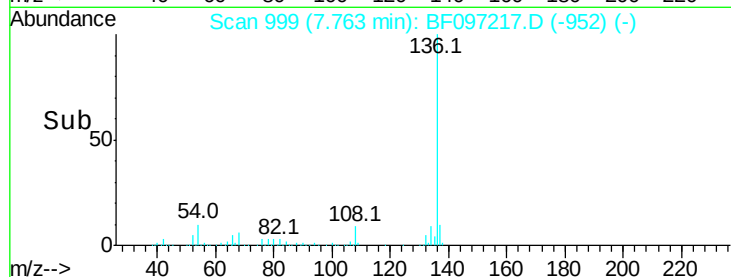
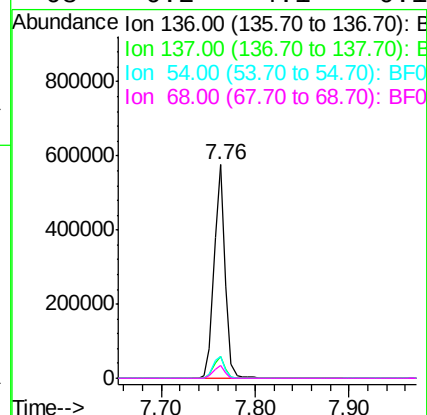
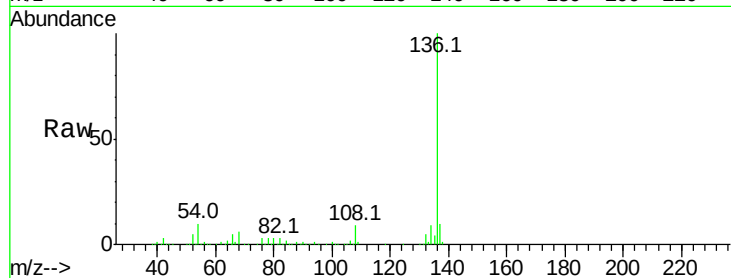
ClientSampled :

TP-16-SS-7

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.3	8.5	12.7	
54	10.3	4.9	7.3#	
68	6.2	4.1	6.1#	

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#23

Nitrobenzene-d5

Concen: 70.355 ng

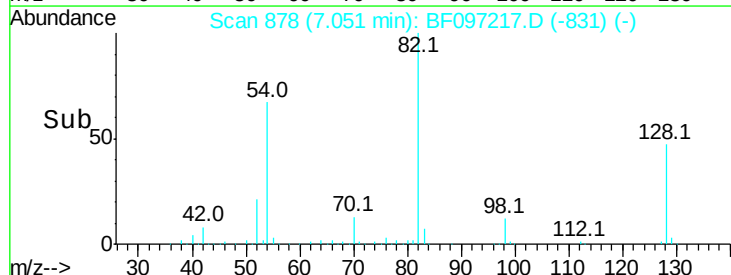
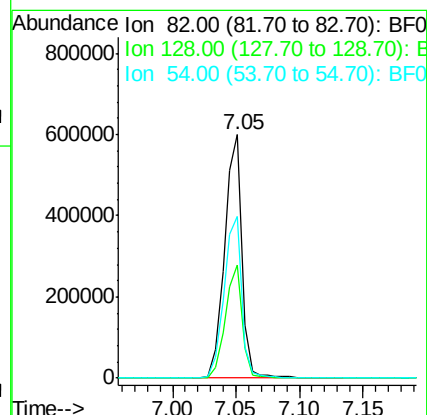
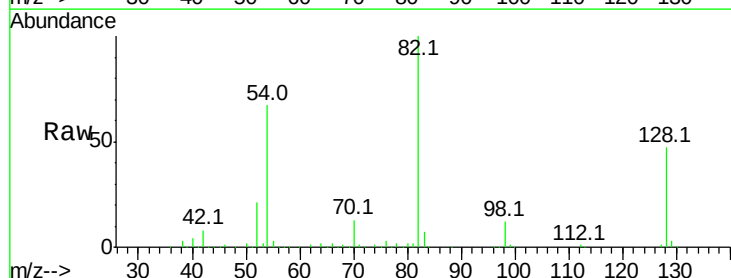
RT: 7.05 min Scan# 878

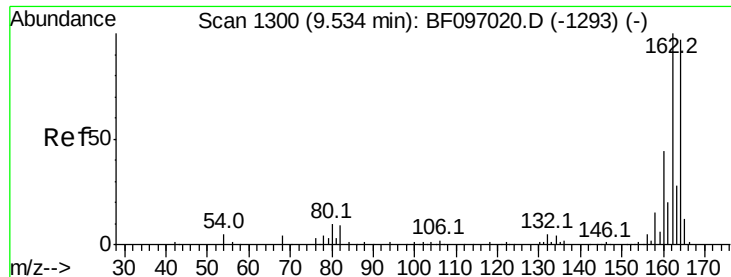
Delta R.T. -0.02 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.7	34.0	51.0	
54	66.6	42.2	63.2#	





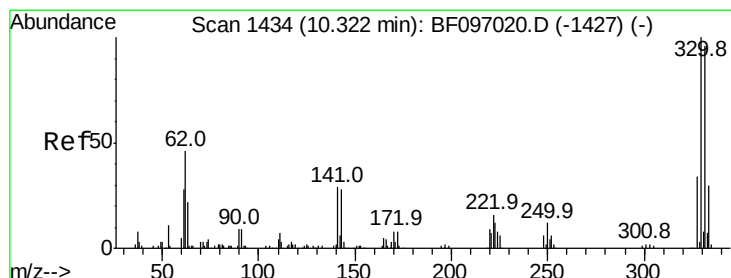
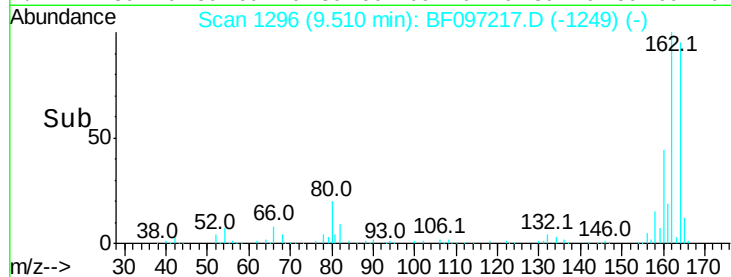
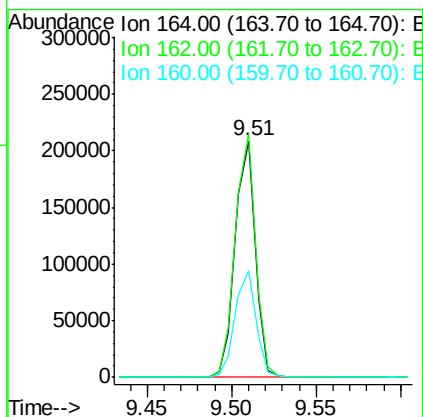
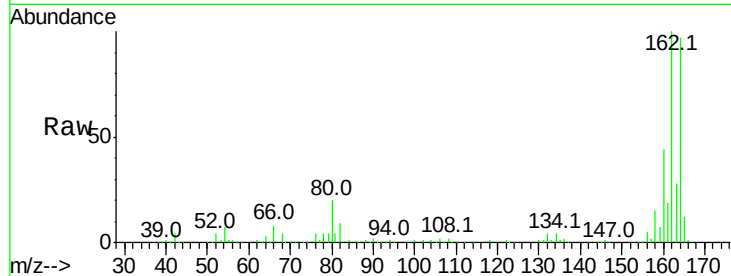
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.51 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF097217.D
 Acq: 31 Jul 2017 19:33

Instrument :
 BNA_F
 ClientSampled :
 TP-16-SS-7

Tot Ion	Ratio	Resp	Lower	Upper
164	100	173747		
162	102.9	82.6	123.8	
160	45.2	36.2	54.2	

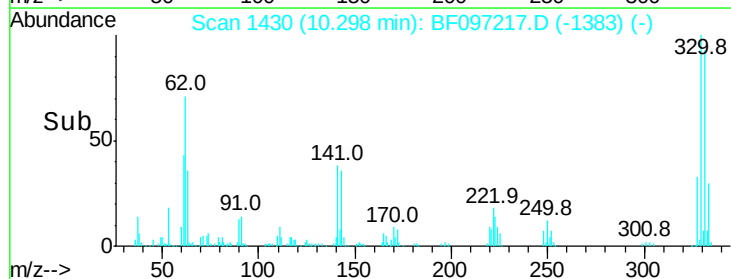
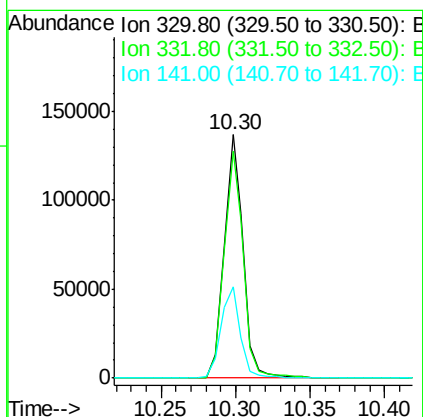
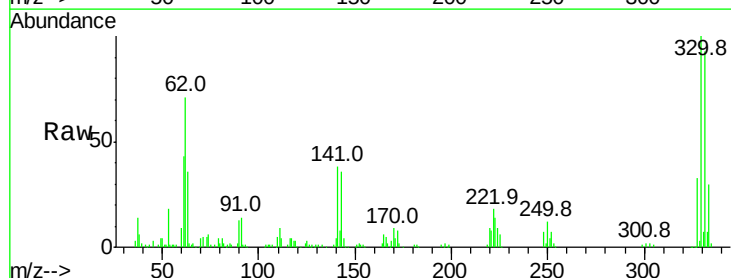
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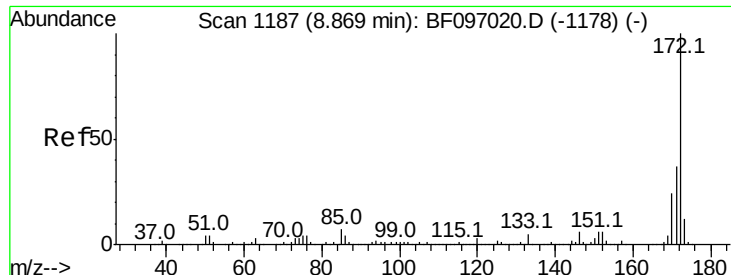
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#41
 2,4,6-Tribromophenol
 Concen: 89.223 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF097217.D
 Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	122482		
332	95.4	76.6	115.0	
141	38.8	31.4	47.2	





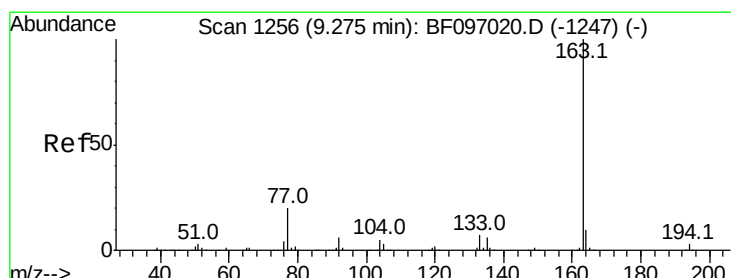
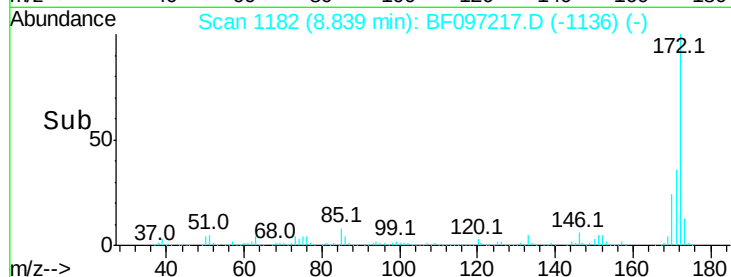
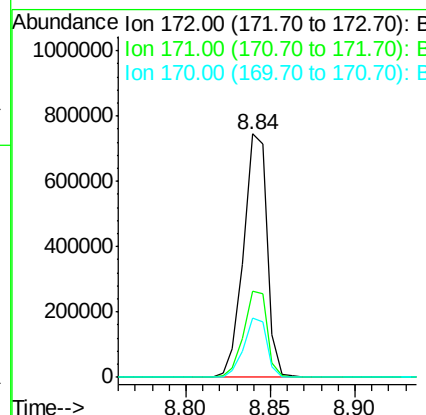
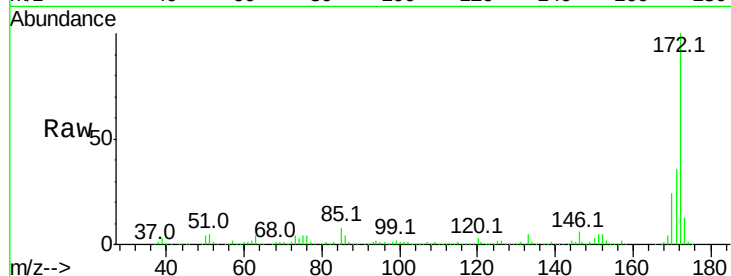
#44
2-Fluorobiphenyl
Concen: 70.873 ng
RT: 8.84 min Scan# 1182
Delta R.T. -0.03 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Instrument :
BNA_F
ClientSampled :
TP-16-SS-7

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.6	29.6	44.4
170	24.2	19.8	29.8

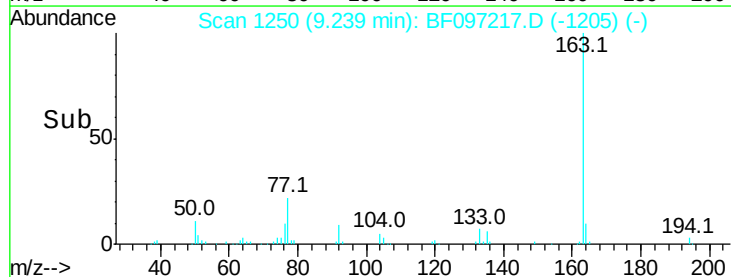
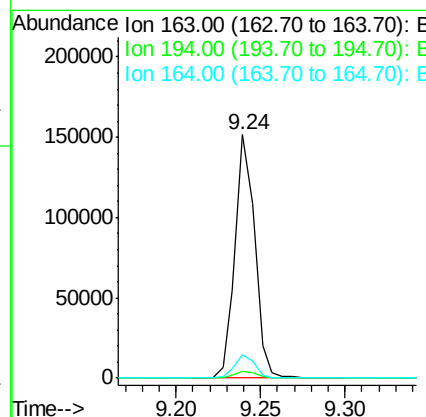
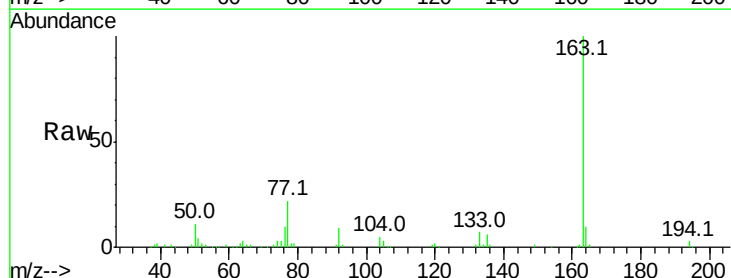
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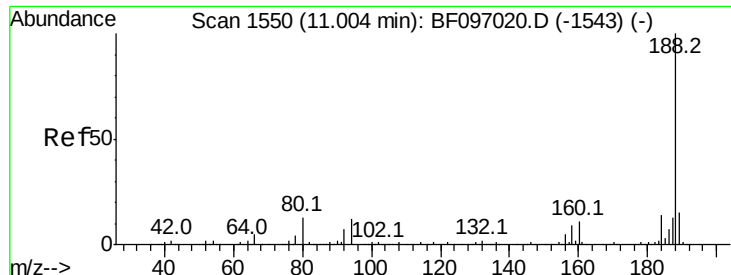
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#49
Dimethylphthalate
Concen: 9.344 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.04 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.9	8.4	12.6





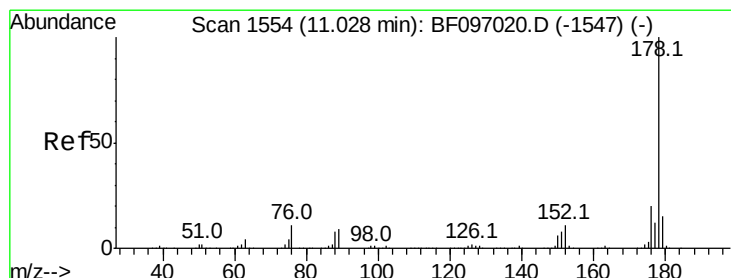
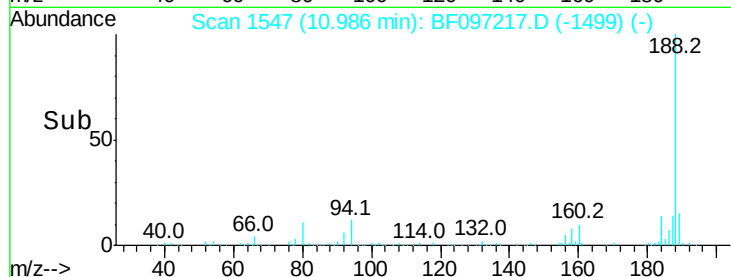
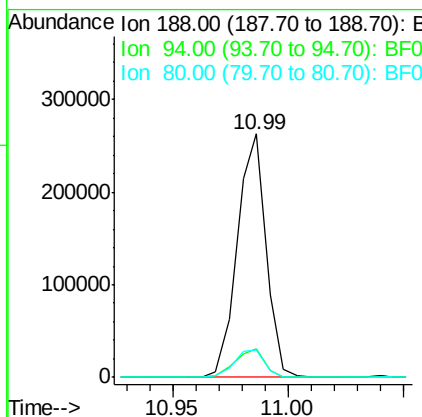
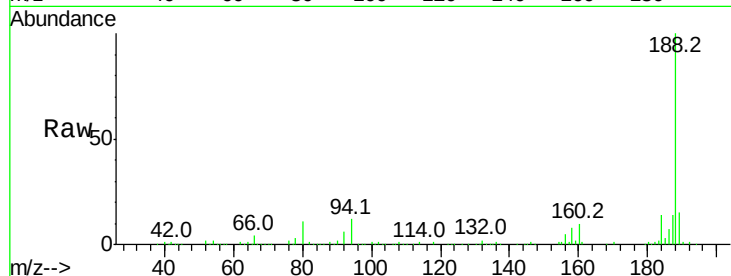
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF097217.D
 Acq: 31 Jul 2017 19:33

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
188	100	228677		
94	11.9		9.4	14.2
80	11.0		10.2	15.2

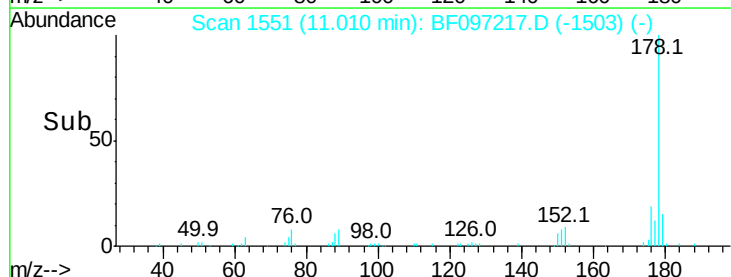
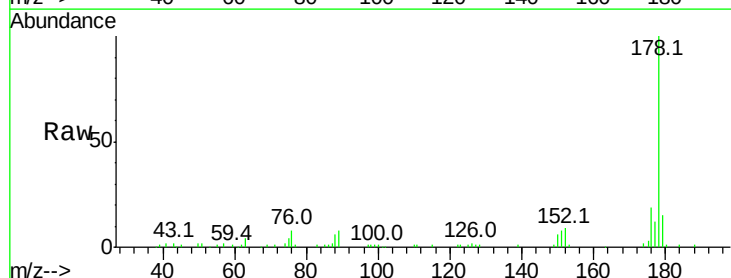
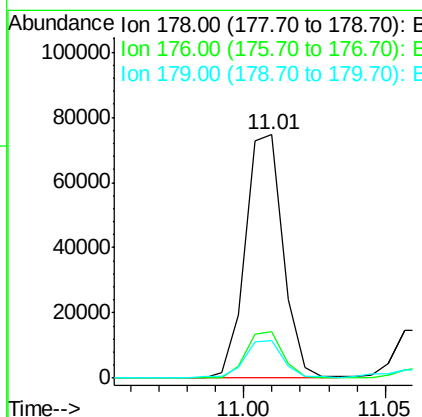
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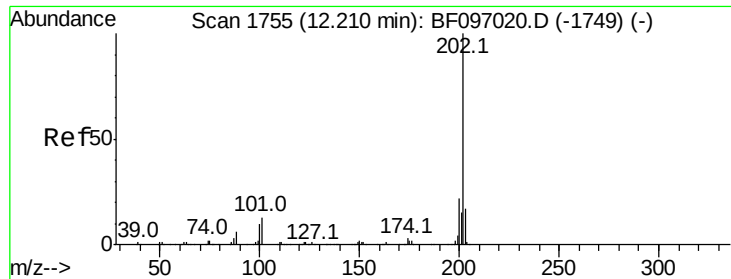
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#70
 Phenanthrene
 Concen: 5.656 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF097217.D
 Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	69304		
176	18.8		16.2	24.4
179	15.2		12.6	19.0





#74

Fluoranthene

Concen: 10.786 ng

RT: 12.19 min Scan# 1752

Delta R.T. -0.02 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Instrument :

BNA_F

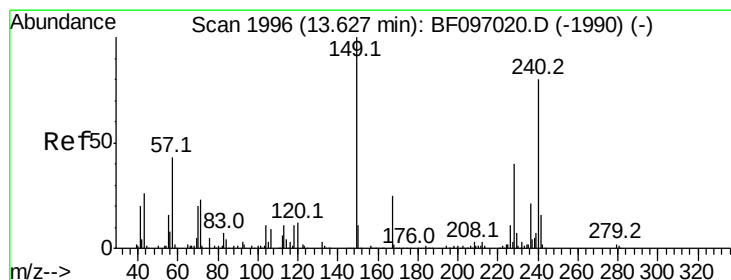
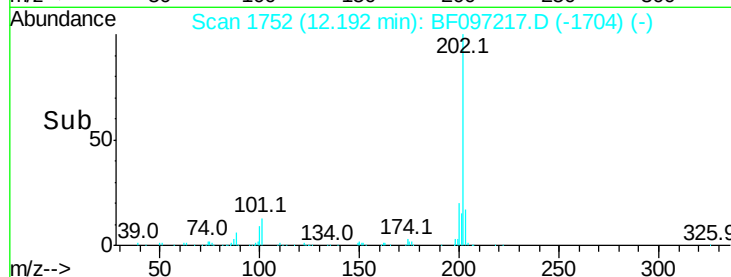
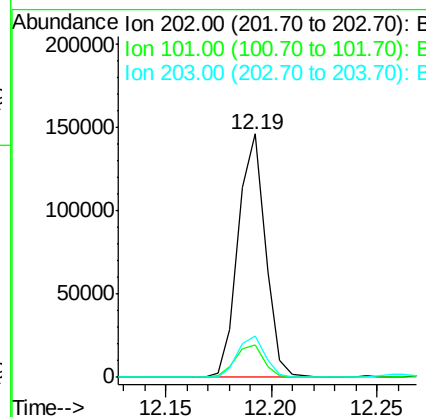
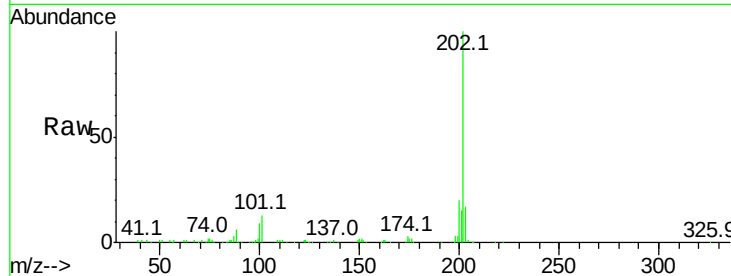
ClientSampled :

TP-16-SS-7

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.1	0.0	33.2
203	16.9	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

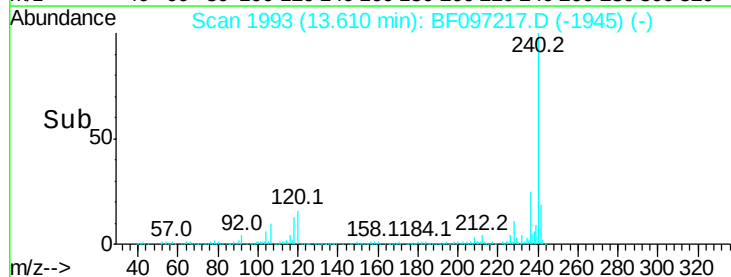
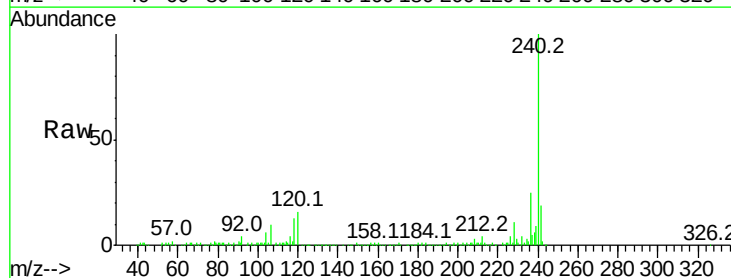
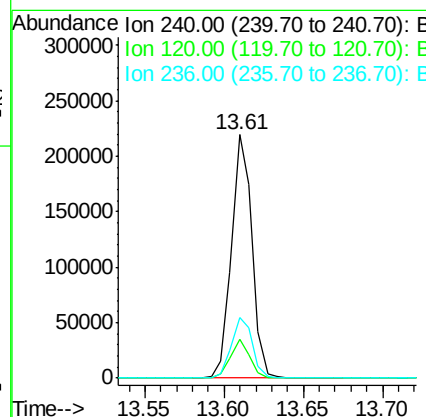
RT: 13.61 min Scan# 1993

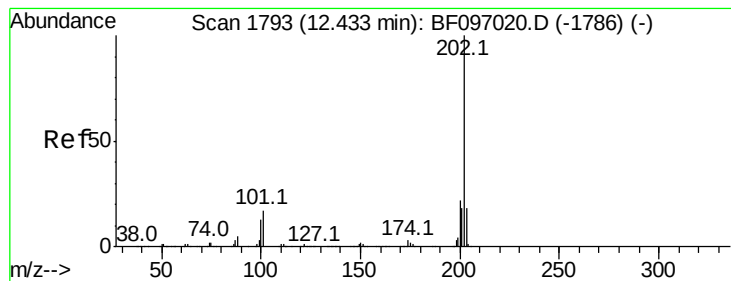
Delta R.T. -0.02 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.8	5.8	8.8#
236	24.8	20.5	30.7





#77

Pvrene

Concen: 7.226 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Instrument :

BNA_F

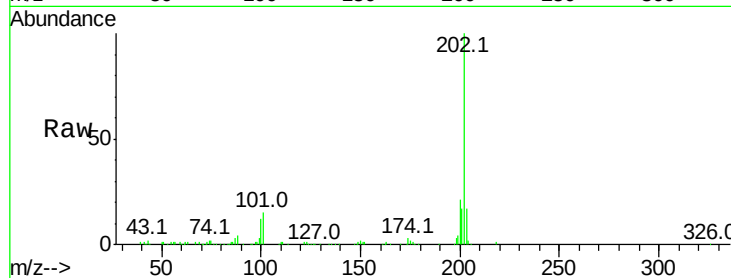
ClientSampleId :

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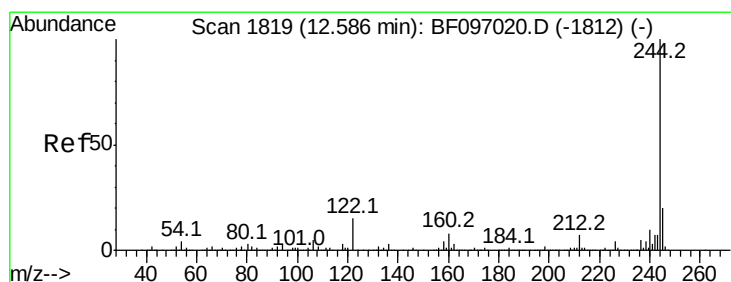
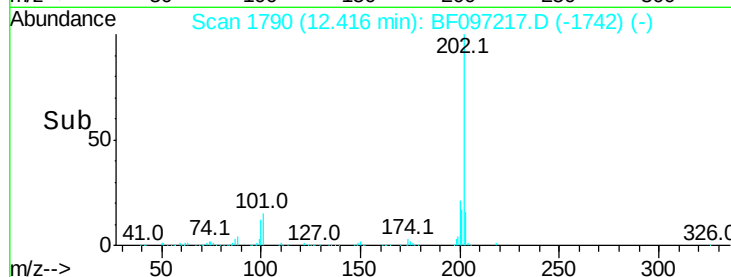
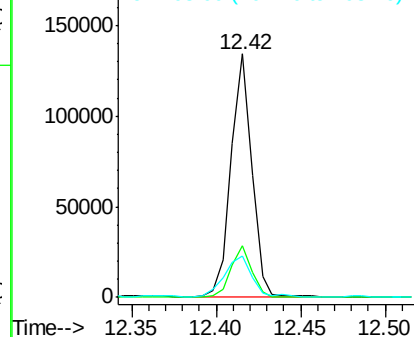
Tot Ion:	202	Resp:	116309
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.6	26.4
203	16.8	14.4	21.6

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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: 43.679 ng

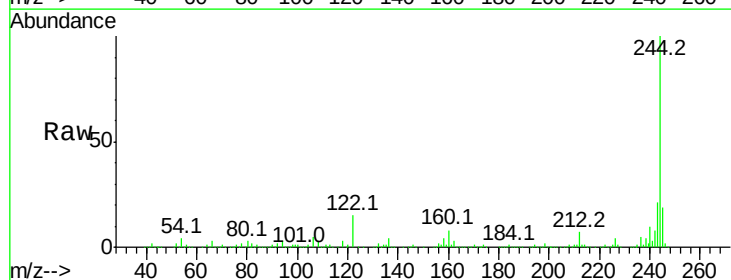
RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

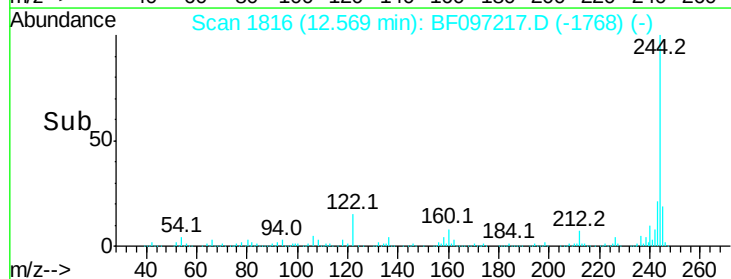
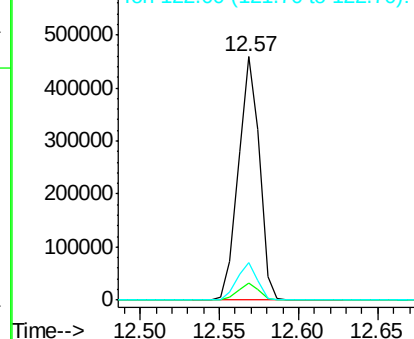
Lab File: BF097217.D

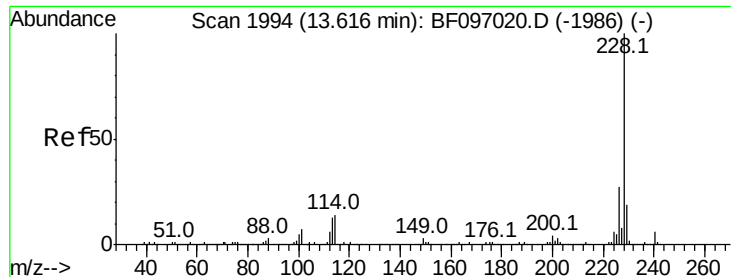
Acq: 31 Jul 2017 19:33

Tgt Ion:	244	Resp:	421215
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	15.4	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: 4.897 ng

RT: 13.60 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Instrument :

BNA_F

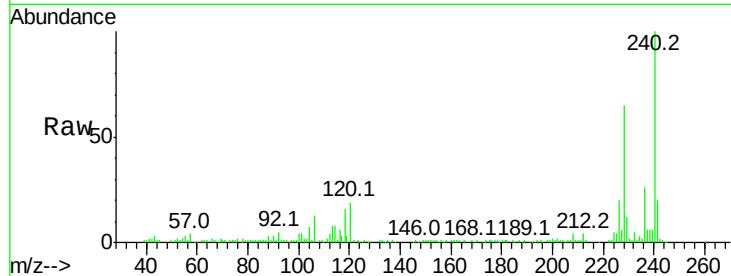
ClientSampled :

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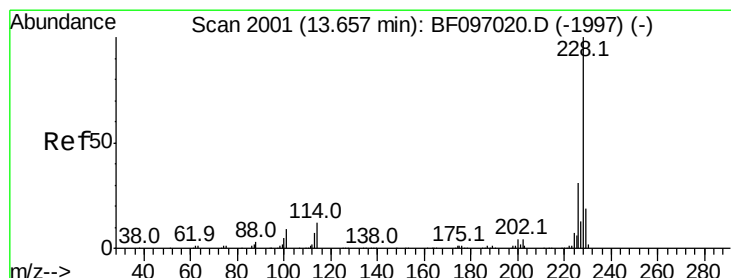
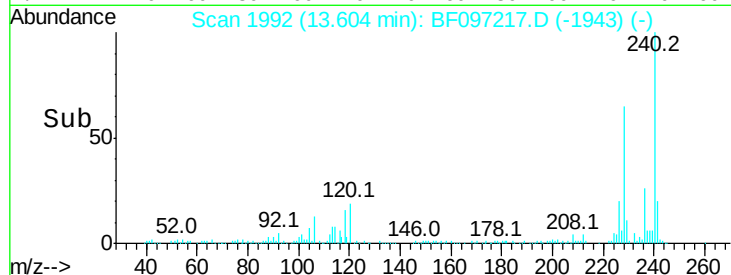
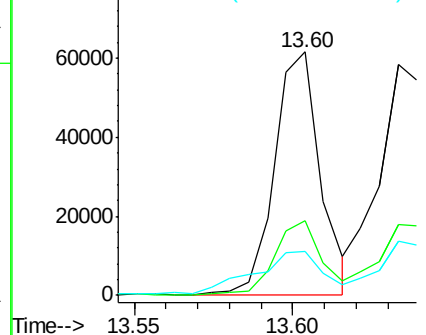
Tot Ion:228	Resp:	62293
Ion Ratio	Lower	Upper
228 100		
226 30.7	22.6	33.8
229 17.8	16.3	24.5

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 5.153 ng

RT: 13.63 min Scan# 1997

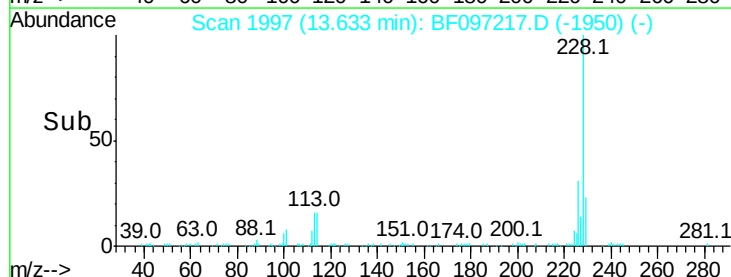
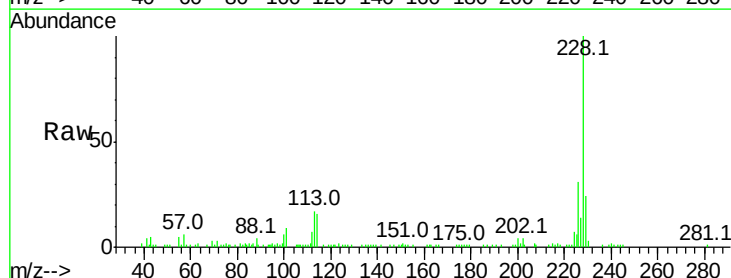
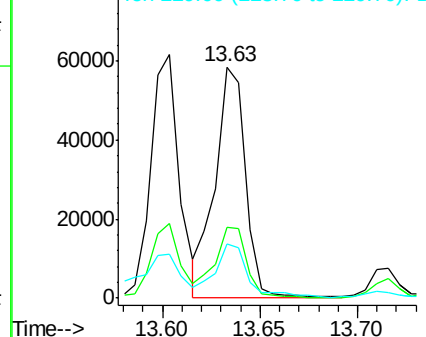
Delta R.T. -0.02 min

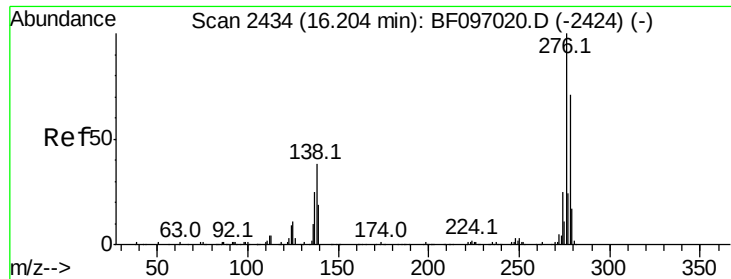
Lab File: BF097217.D

Acq: 31 Jul 2017 19:33

Tgt Ion:228	Resp:	64014
Ion Ratio	Lower	Upper
228 100		
226 30.7	24.9	37.3
229 23.6	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





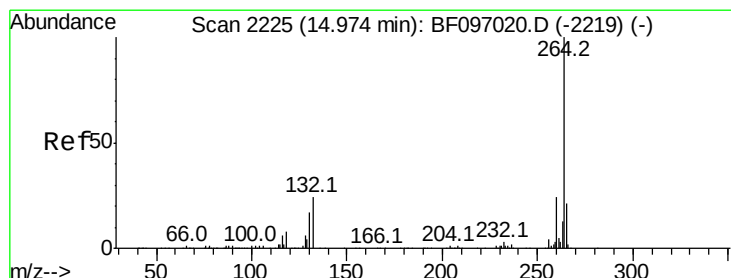
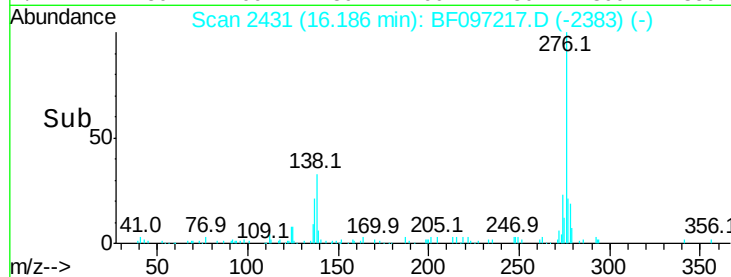
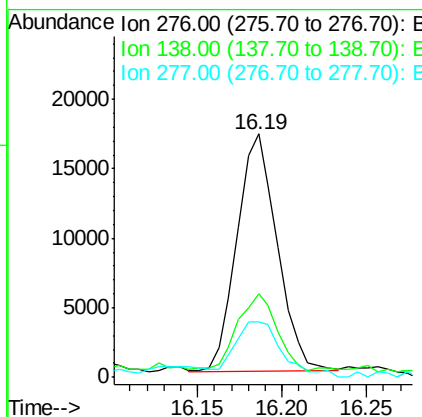
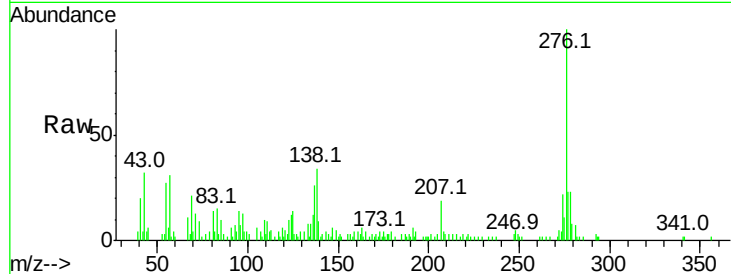
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.656 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Instrument :
BNA_F
ClientSampleId :
TP-16-SS-7

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.8	27.8	41.6
277	27.8	20.2	30.4

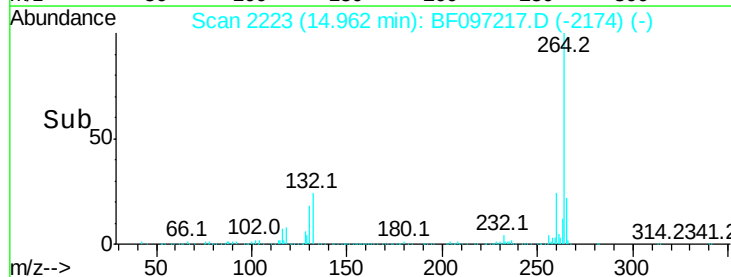
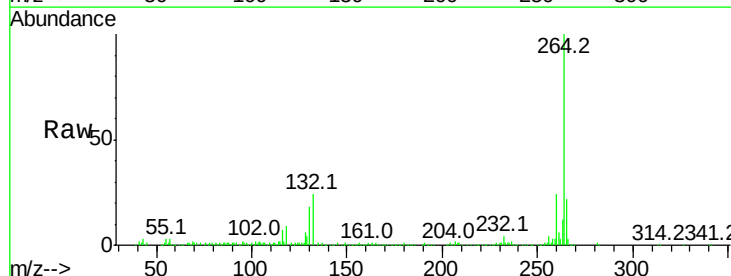
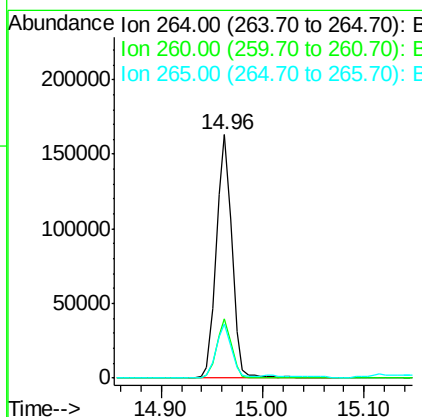
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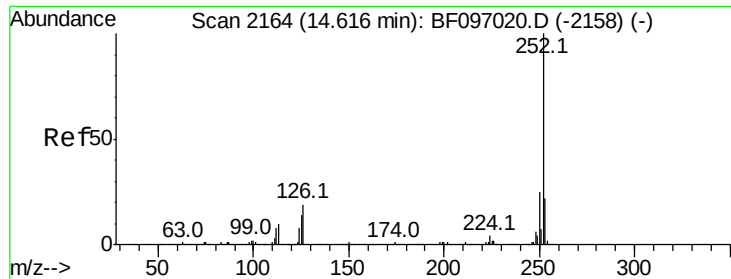
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	22.0	17.2	25.8





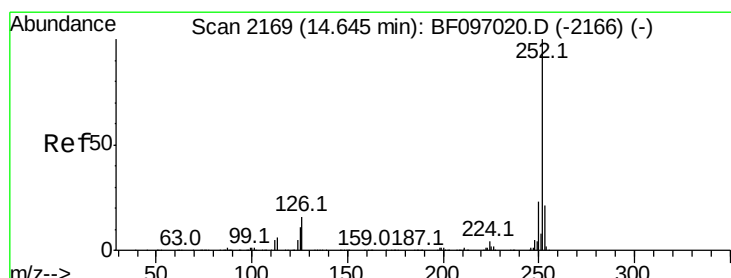
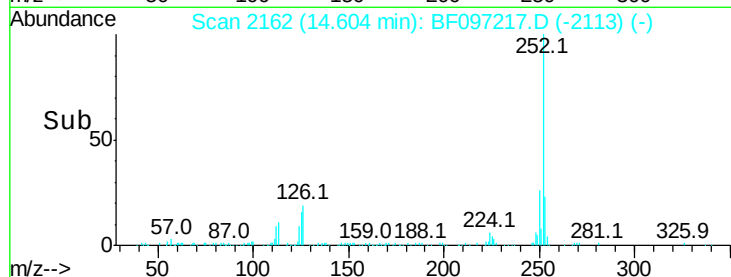
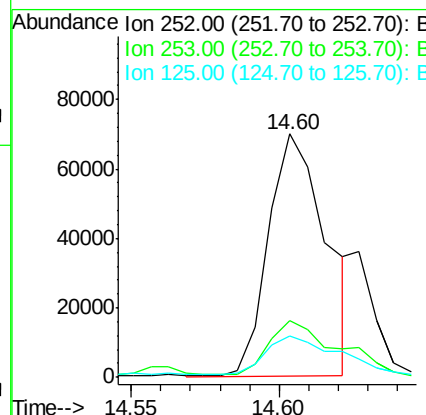
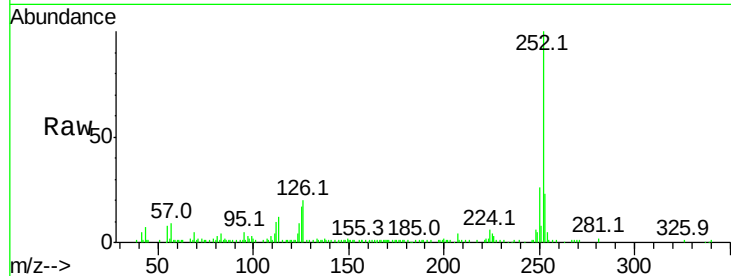
#87
Benzo(b)fluoranthene
Concen: 9.018 ng m
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Instrument :
BNA_F
ClientSampleId :
TP-16-SS-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	17.0	9.8	14.8

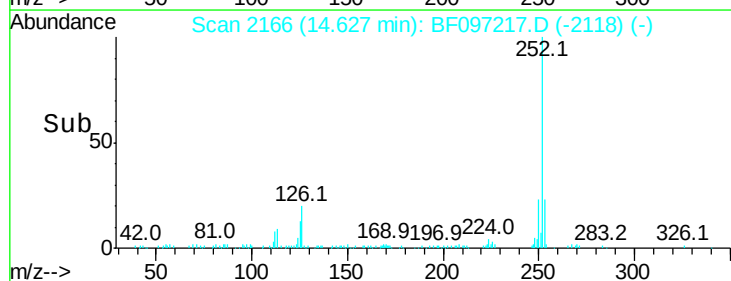
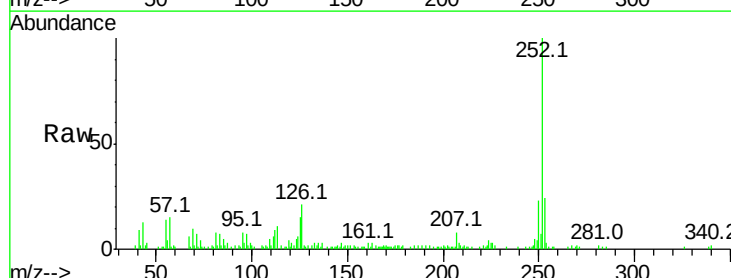
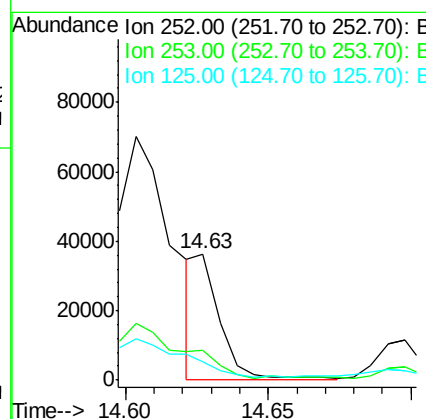
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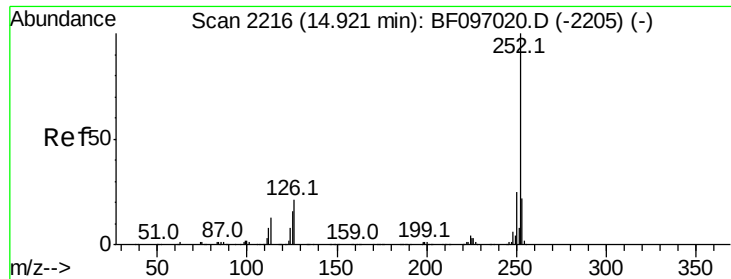
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#88
Benzo(k)fluoranthene
Concen: 2.131 ng m
RT: 14.63 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	15.0	13.1	19.7





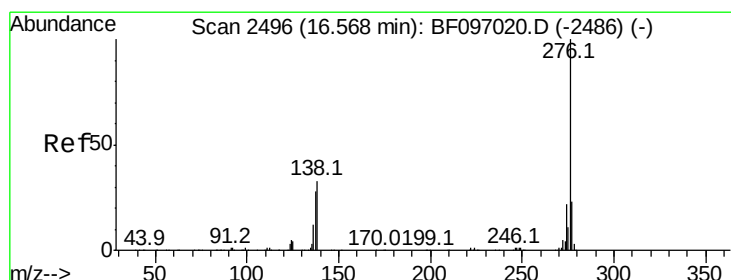
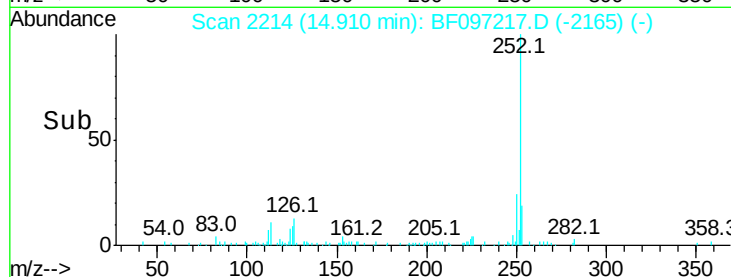
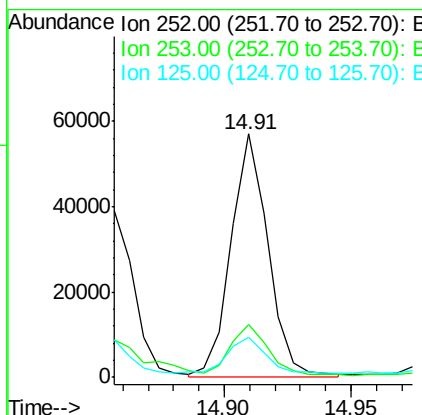
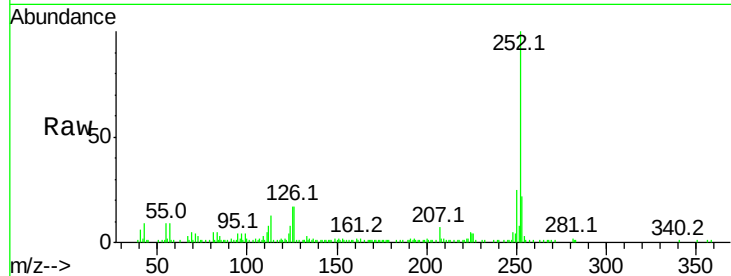
#89
Benzo(a)pyrene
Concen: 6.043 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Instrument :
BNA_F
ClientSampleId :
TP-16-SS-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	16.6	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.162 ng
RT: 16.55 min Scan# 2493
Delta R.T. -0.02 min
Lab File: BF097217.D
Acq: 31 Jul 2017 19:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.6	28.0
138	34.3	25.4	38.0

