

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097487.D
 Acq On : 9 Aug 2017 00:00
 Operator : SJ/JU
 Sample : I4655-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP7DEL-WC1

Manual Integrations
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Quant Time: Aug 09 16:34:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	103060	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	430691	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	155601	20.00	ng	-0.01
63) Phenanthrene-d10	10.90	188	220863	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	175174	20.00	ng	0.00
86) Perylene-d12	14.87	264	150031	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	488270	71.42	ng	-0.01
7) Phenol-d6	6.07	99	570963	73.16	ng	-0.01
23) Nitrobenzene-d5	6.97	82	344619	46.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	79512	64.68	ng	-0.01
44) 2-Fluorobiphenyl	8.76	172	487955	53.22	ng	-0.01
78) Terphenyl-d14	12.49	244	270859	31.53	ng	-0.01
Target Compounds						
10) Phenol	6.09	94	23741	2.564	ng	Qvalue # 50
31) Naphthalene	7.71	128	128151	6.312	ng	98
37) 2-Methylnaphthalene	8.40	142	32752m	2.548	ng	
49) Dimethylphthalate	9.17	163	130962	11.083	ng	98
51) Acenaphthene	9.46	154	28556	3.229	ng	94
57) Fluorene	9.97	166	38969	4.402	ng	99
70) Phenanthrene	10.93	178	192265	16.247	ng	99
71) Anthracene	10.98	178	60872	5.022	ng	98
74) Fluoranthene	12.11	202	211556	18.248	ng	99
77) Pyrene	12.33	202	232864	16.238	ng	99
80) Benzo(a)anthracene	13.52	228	92473	8.159	ng	97
82) Chrysene	13.56	228	85030	7.683	ng	96
85) Indeno(1,2,3-cd)pyrene	16.07	276	28931	3.048	ng	97
87) Benzo(b)fluoranthene	14.53	252	75323m	8.352	ng	
88) Benzo(k)fluoranthene	14.54	252	27105m	3.154	ng	
89) Benzo(a)pyrene	14.83	252	56901	6.894	ng	98
91) Benzo(a,h,i)perylene	16.42	276	31263	4.404	ng	95

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

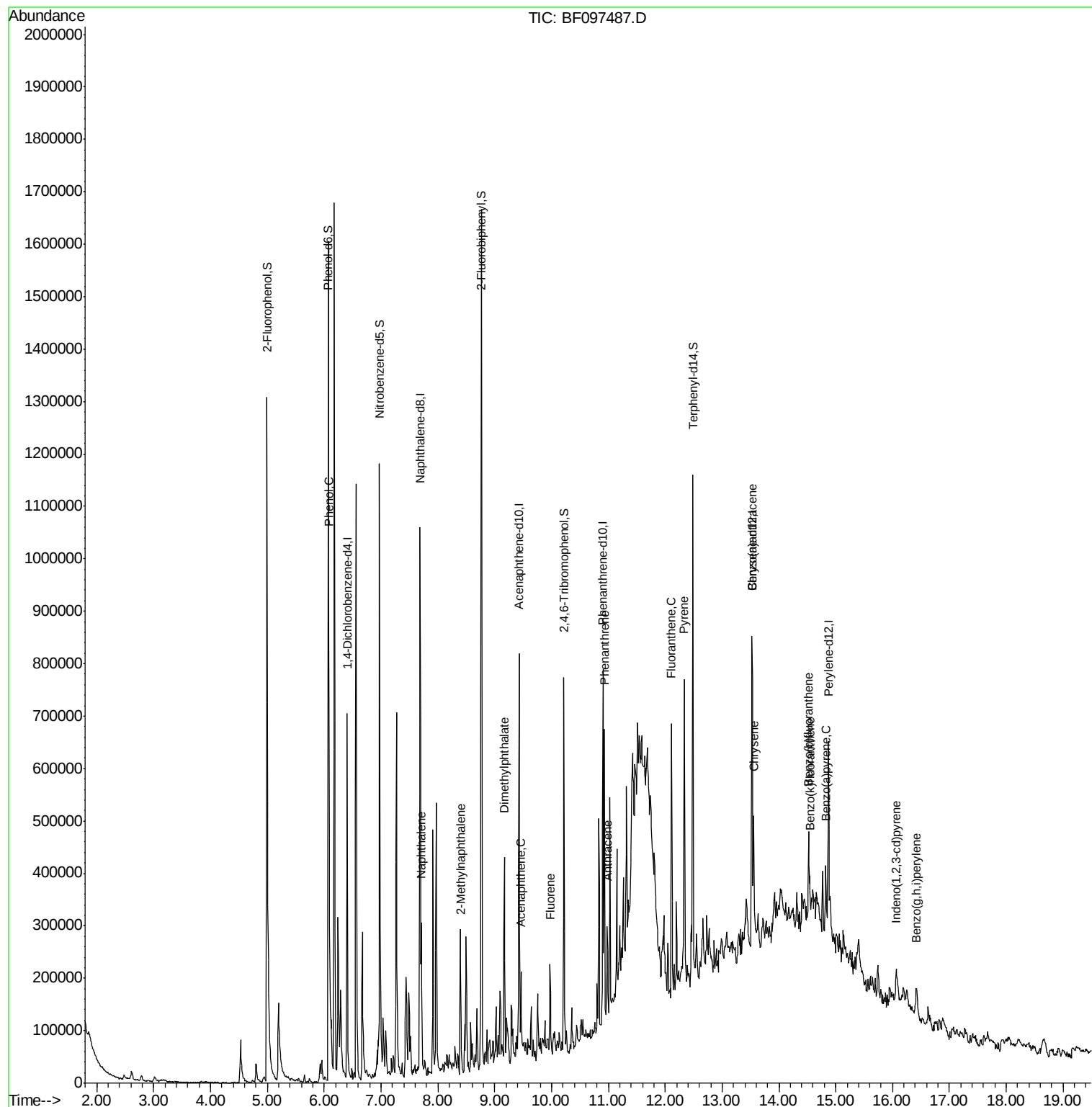
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
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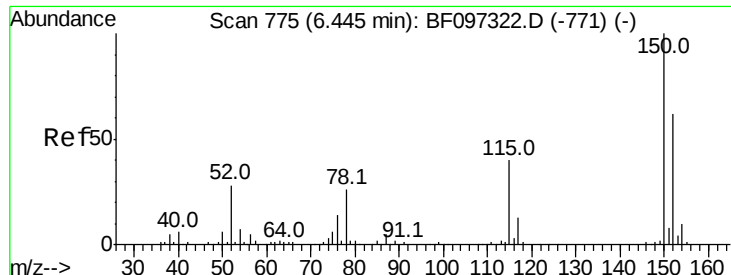
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#1

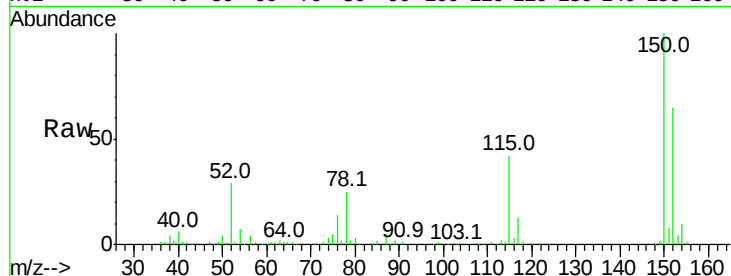
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TP7DEL-WC1

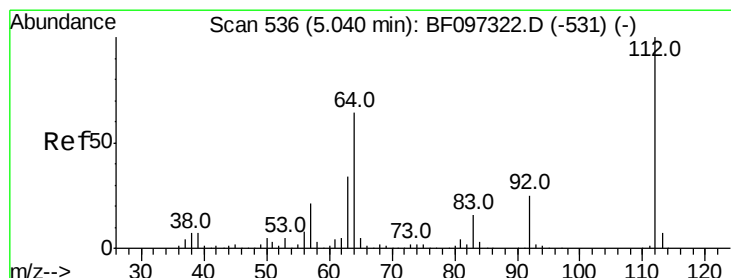
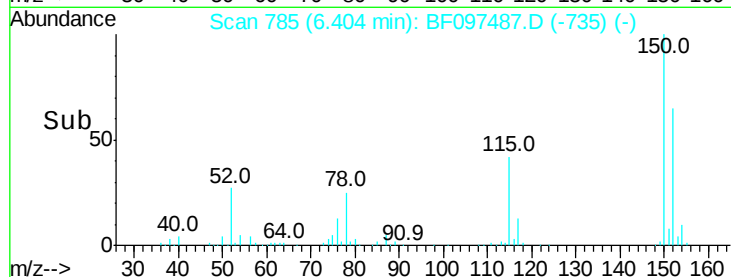
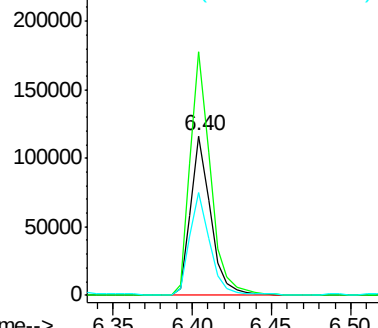
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.2	189.2
115	64.6	52.2	78.2

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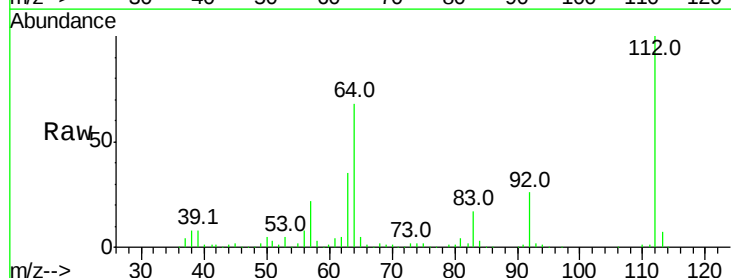
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



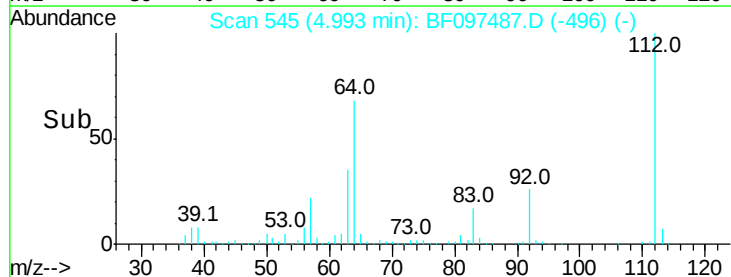
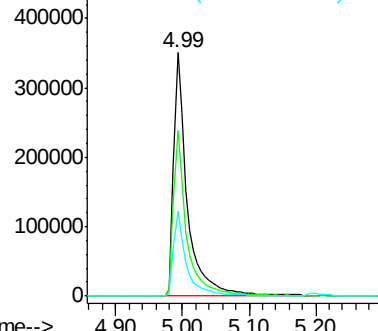
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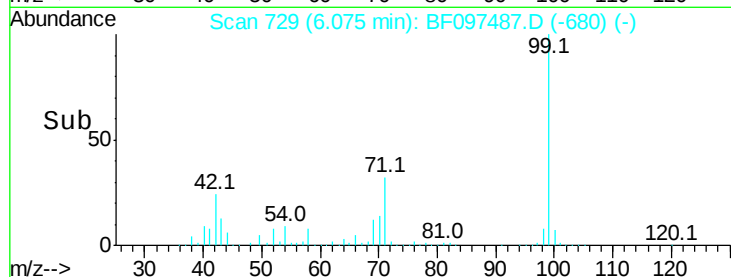
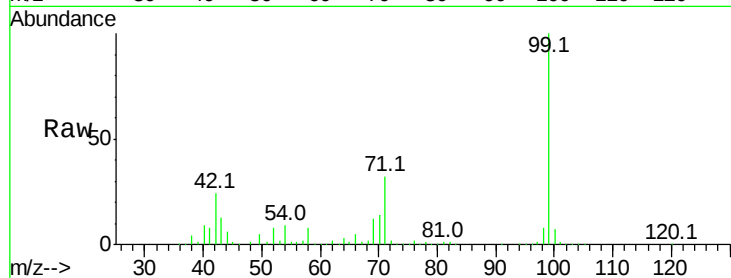
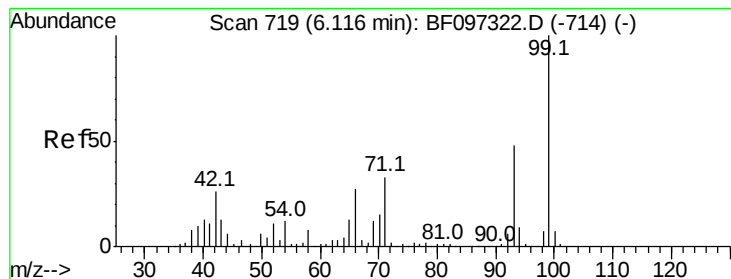
2-Fluorophenol
Concen: 71.421 ng
RT: 4.99 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	46.0	69.0
63	34.7	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: 73.156 ng

RT: 6.07 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097487.D

Acq: 9 Aug 2017 00:00

Tot Ion:	99	Resp:	570963
Ion Ratio	Lower	Upper	
99	100		
42	23.7	13.5	20.3#
71	32.5	24.5	36.7

Instrument :

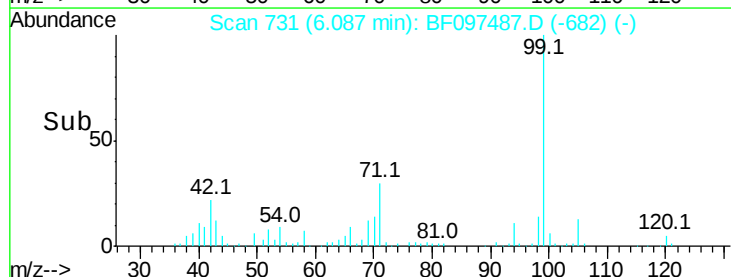
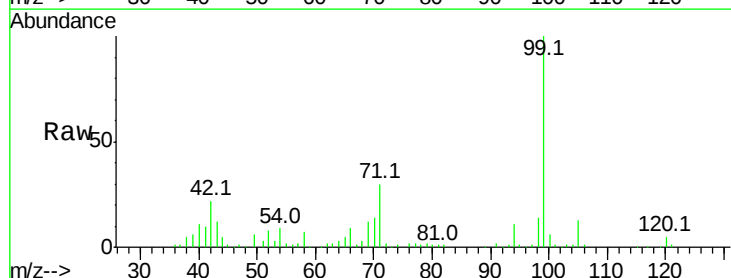
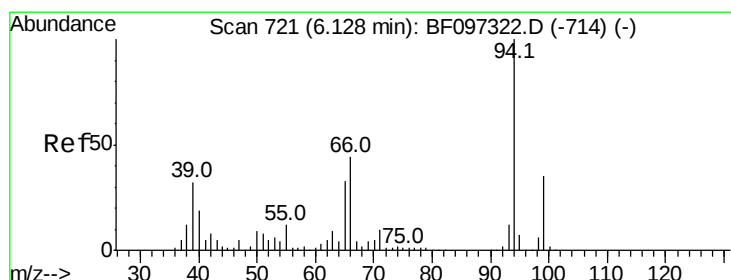
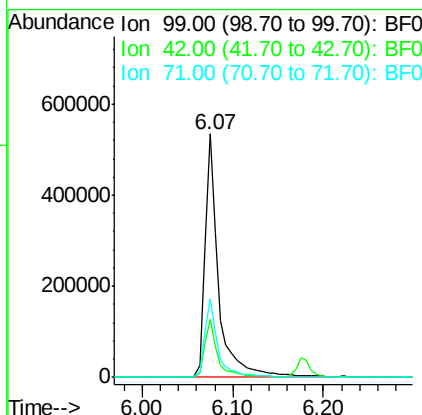
BNA_F

ClientSampled :

TP7DEL-WC1

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#10

Phenol

Concen: 2.564 ng

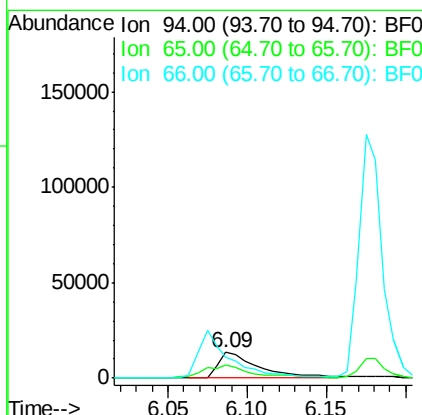
RT: 6.09 min Scan# 731

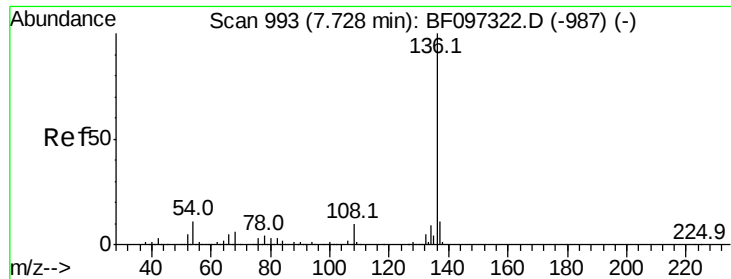
Delta R.T. -0.01 min

Lab File: BF097487.D

Acq: 9 Aug 2017 00:00

Tgt Ion:	94	Resp:	23741
Ion Ratio	Lower	Upper	
94	100		
65	50.3	9.9	49.9#
66	80.9	23.1	63.1#





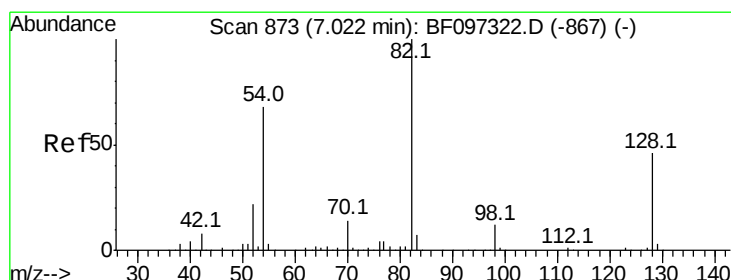
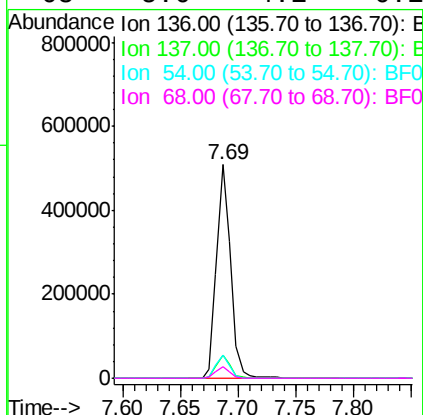
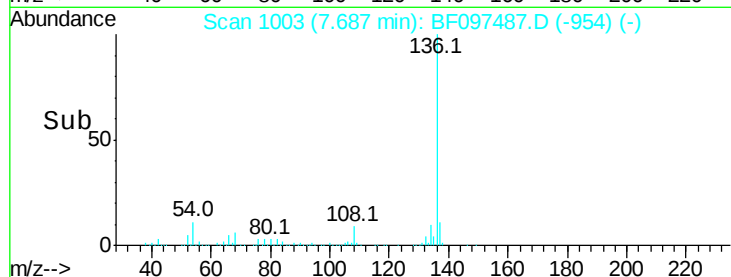
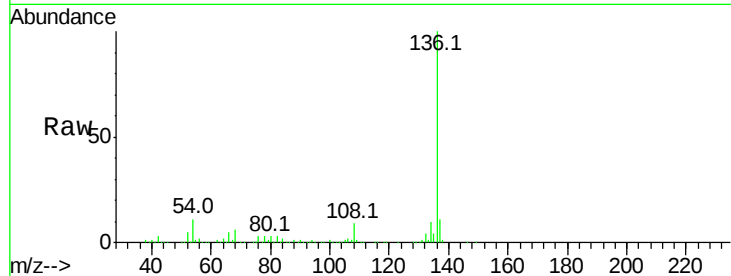
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TP7DEL-WC1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.5	12.7	
54	10.8	4.9	7.3	
68	5.6	4.1	6.1	

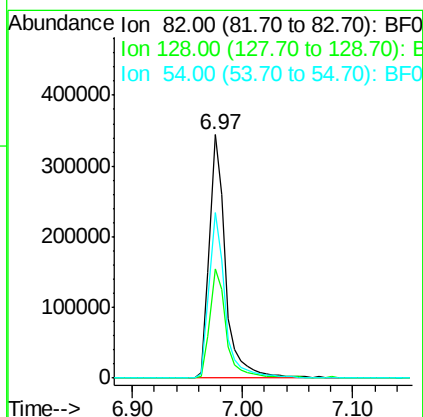
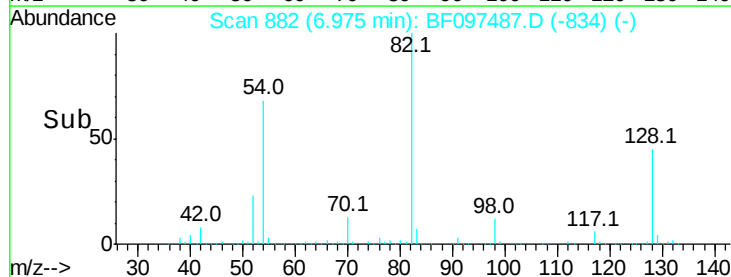
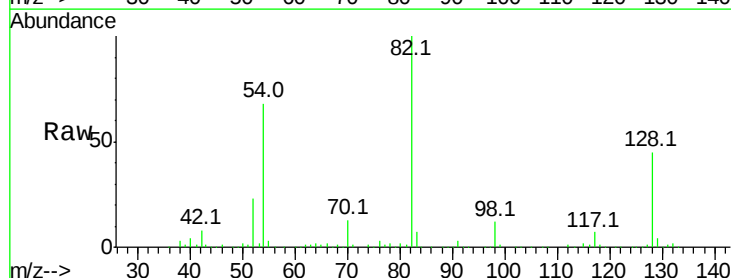
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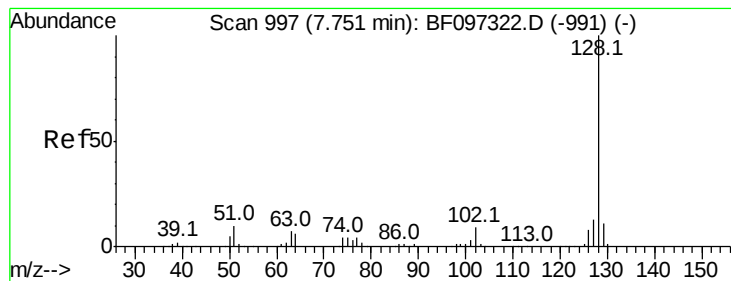
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#23
Nitrobenzene-d5
Concen: 46.940 ng
RT: 6.97 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.1	34.0	51.0	
54	67.8	42.2	63.2	





#31

Naphthalene

Concen: 6.312 ng

RT: 7.71 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF097487.D

Acq: 9 Aug 2017 00:00

Instrument :

BNA_F

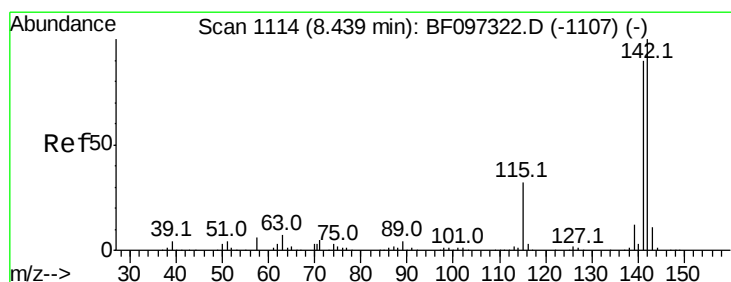
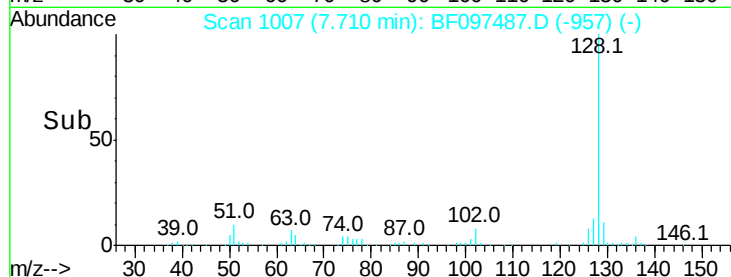
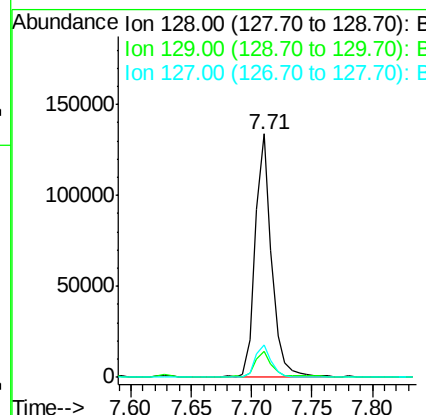
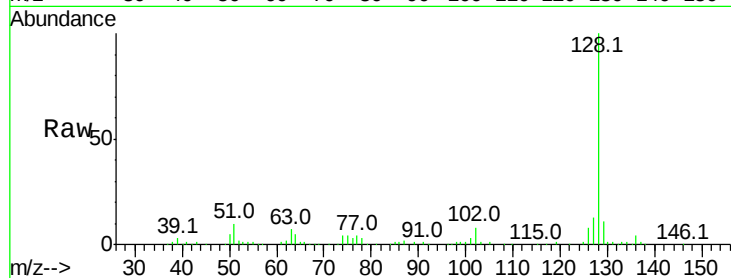
ClientSampleId :

TP7DEL-WC1

Tot Ion:128	Resp:	128151
Ion Ratio	Lower	Upper
128 100		
129 10.5	9.0	13.6
127 13.1	10.8	16.2

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#37

2-Methylnaphthalene

Concen: 2.548 ng m

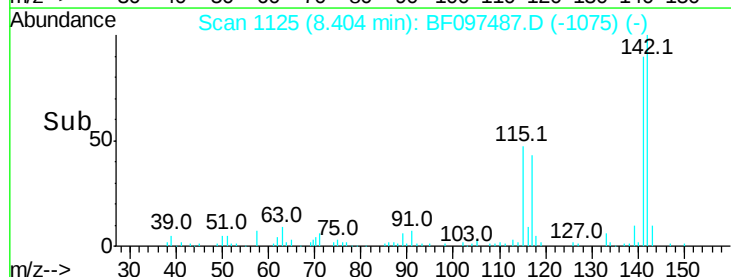
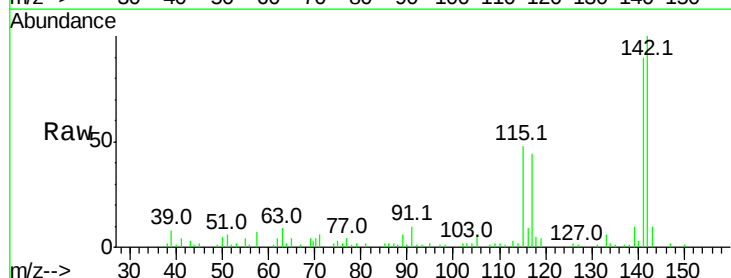
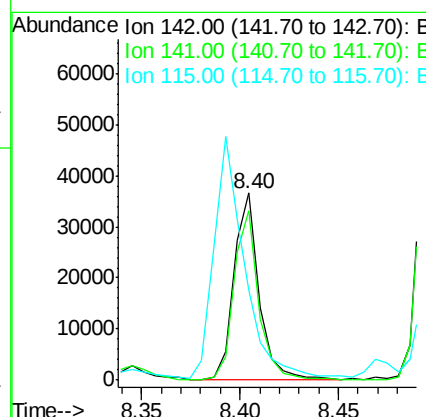
RT: 8.40 min Scan# 1125

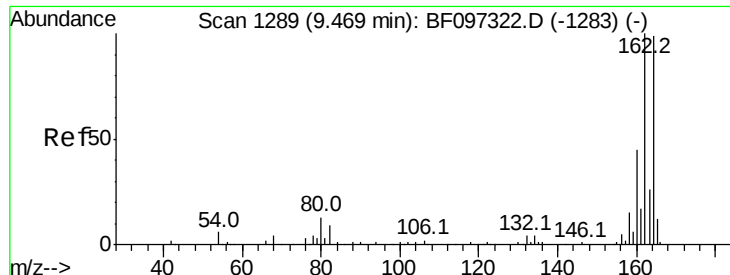
Delta R.T. -0.01 min

Lab File: BF097487.D

Acq: 9 Aug 2017 00:00

Tgt Ion:142	Resp:	32752
Ion Ratio	Lower	Upper
142 100		
141 90.5	71.3	106.9
115 48.2	27.1	40.7#





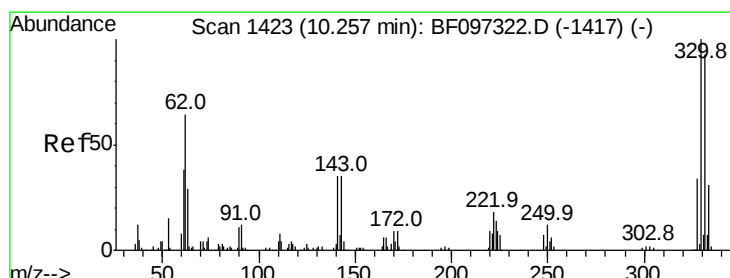
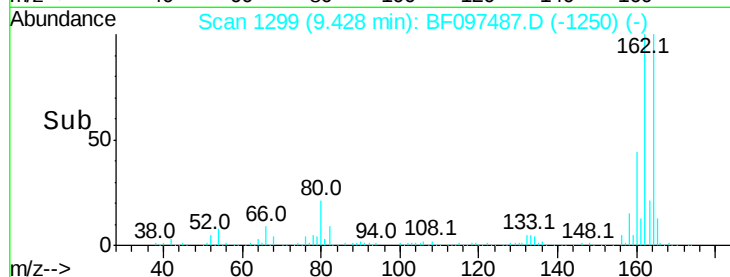
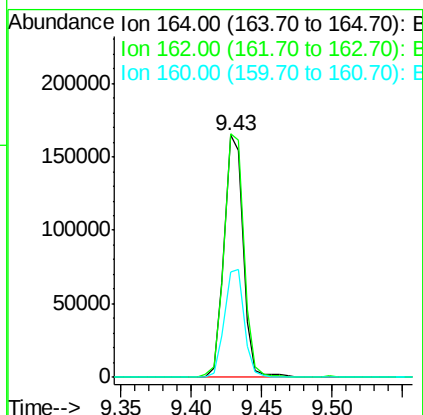
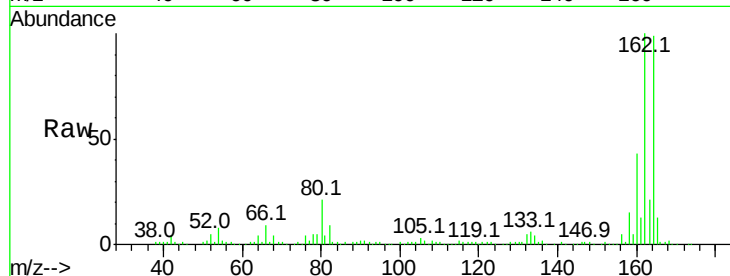
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.43 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TP7DEL-WC1

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.6	82.6	123.8	
160	43.7	36.2	54.2	

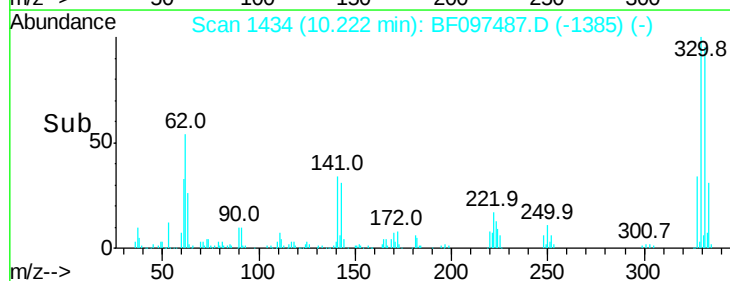
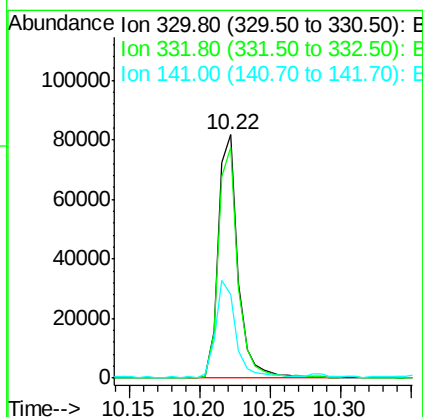
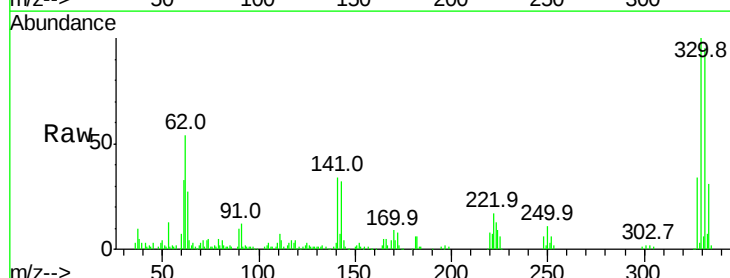
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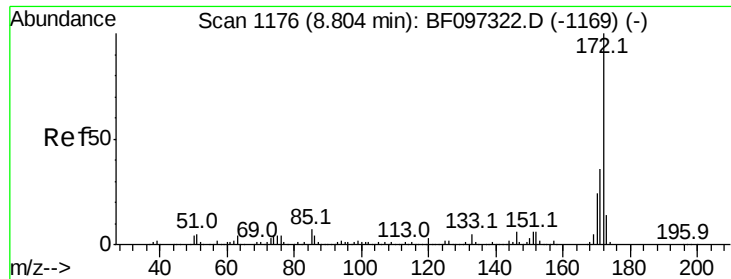
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#41
2,4,6-Tribromophenol
Concen: 64.676 ng
RT: 10.22 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.5	76.6	115.0	
141	39.7	31.4	47.2	





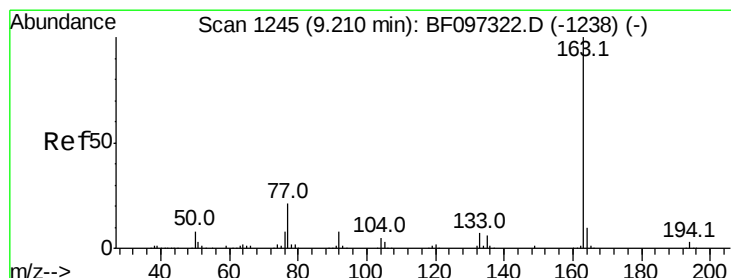
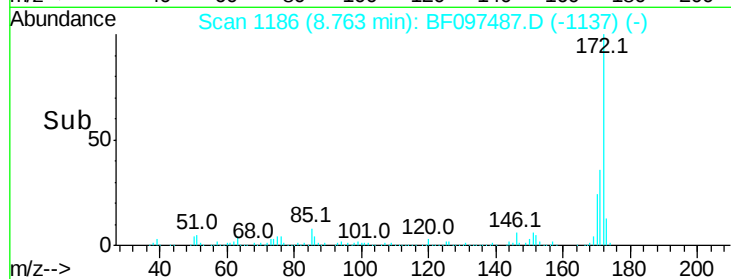
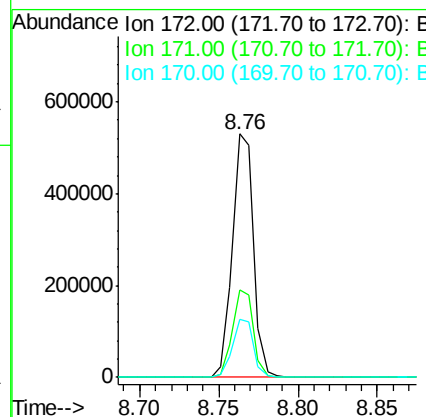
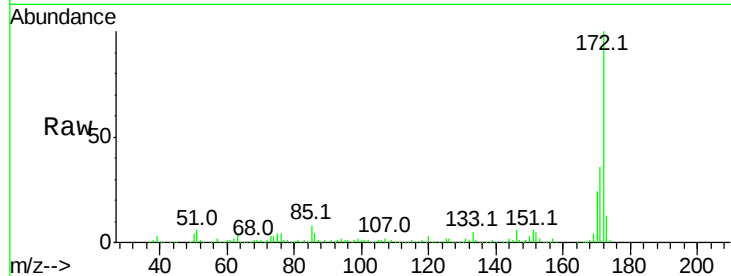
#44
2-Fluorobiphenyl
Concen: 53.220 ng
RT: 8.76 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Instrument :
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Tot Ion:	172	Resp:	487955
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.6	44.4
170	24.0	19.8	29.8

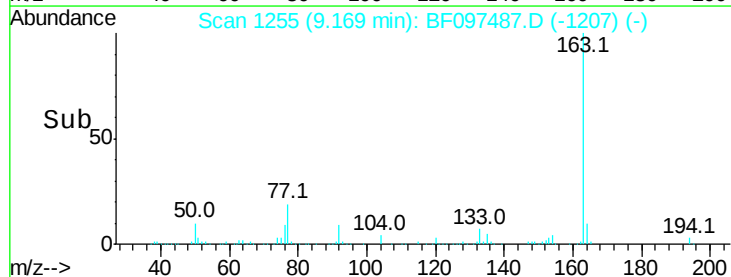
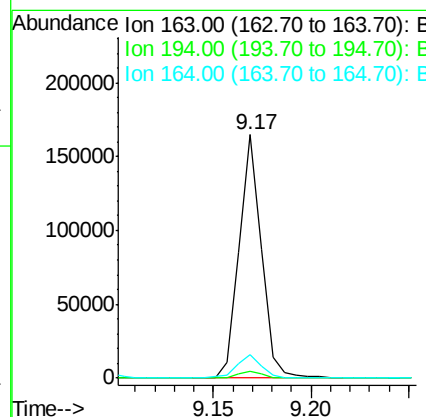
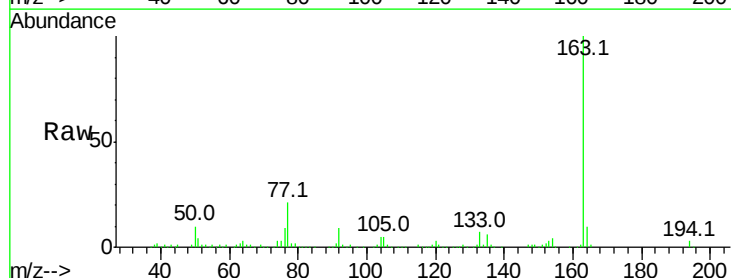
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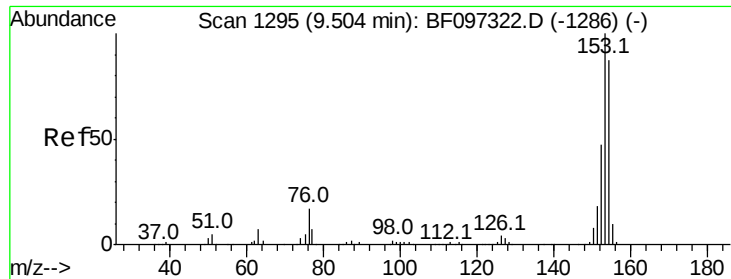
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#49
Dimethylphthalate
Concen: 11.083 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Tgt Ion:	163	Resp:	130962
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	9.6	8.4	12.6





#51

Acenaphthene

Concen: 3.229 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF097487.D

Acq: 9 Aug 2017 00:00

Instrument :

BNA_F

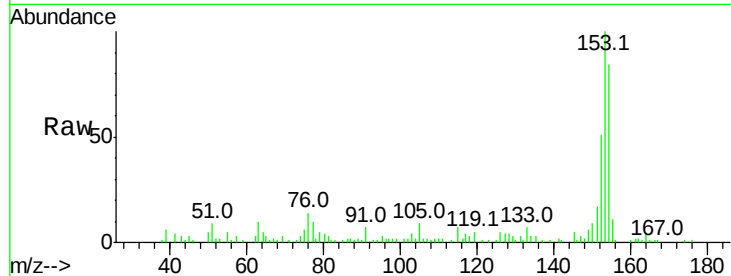
ClientSampleId :

TP7DEL-WC1

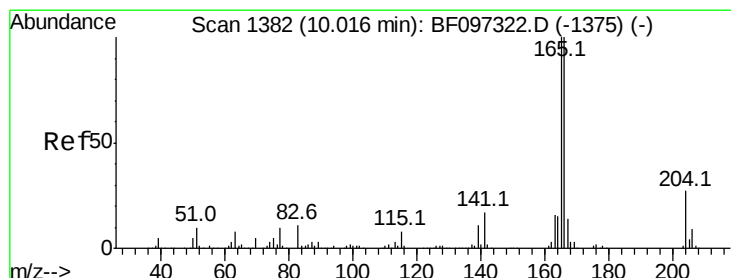
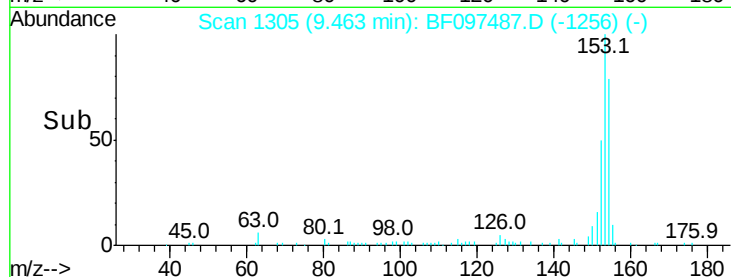
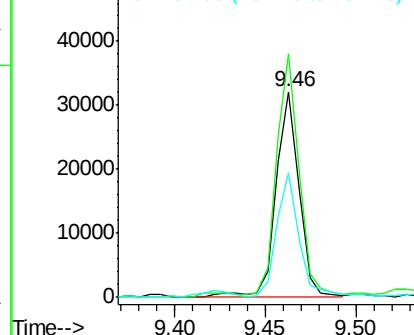
Tot Ion:	154	Resp:	28556
Ion Ratio	Lower	Upper	
154	100		
153	118.4	90.5	135.7
152	60.7	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 4.402 ng

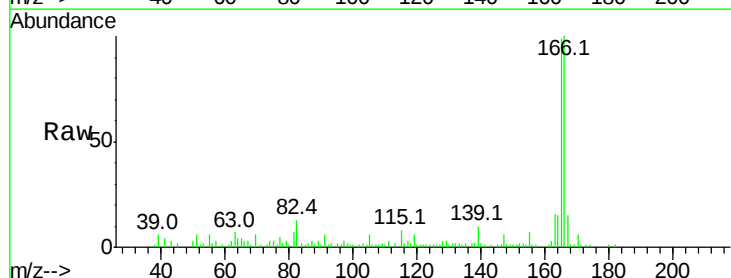
RT: 9.97 min Scan# 1392

Delta R.T. -0.02 min

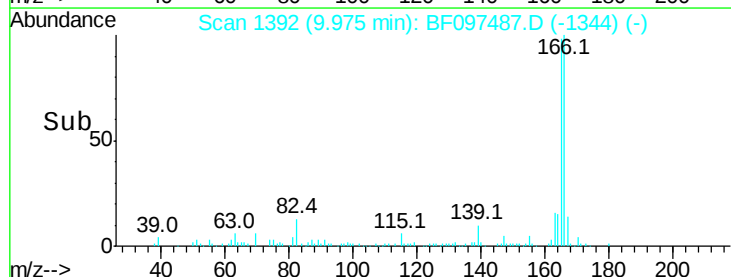
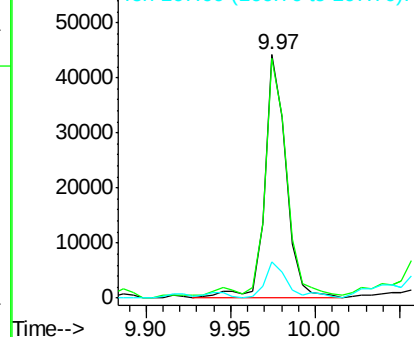
Lab File: BF097487.D

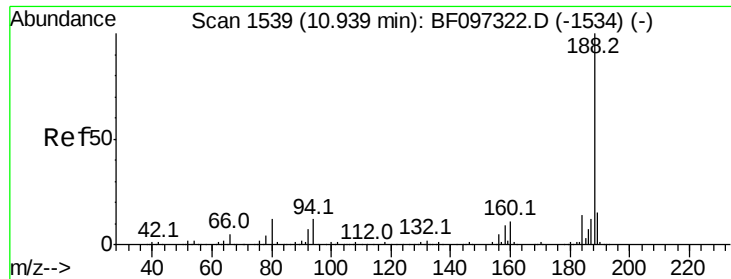
Acq: 9 Aug 2017 00:00

Tgt Ion:	166	Resp:	38969
Ion Ratio	Lower	Upper	
166	100		
165	98.7	78.8	118.2
167	14.7	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





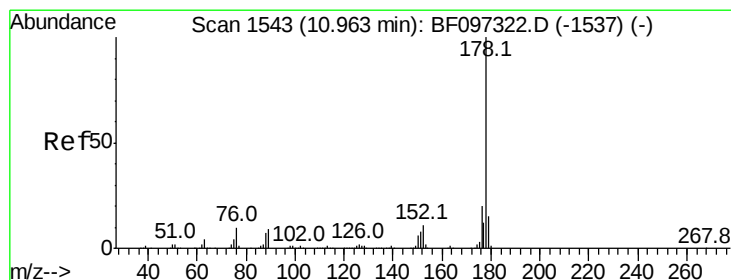
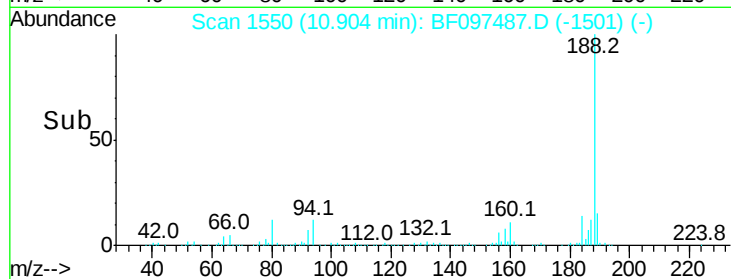
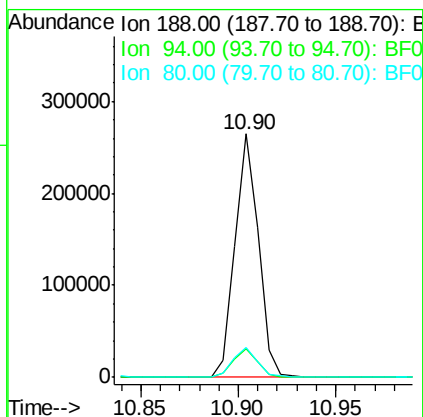
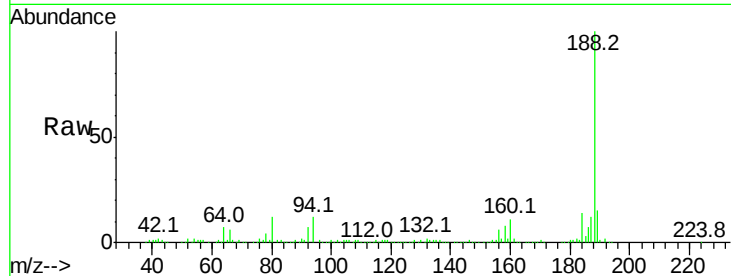
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.90 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TP7DEL-WC1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	220863		
94	11.8		9.4	14.2
80	12.1		10.2	15.2

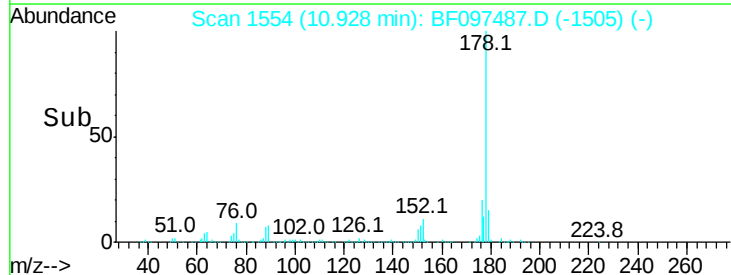
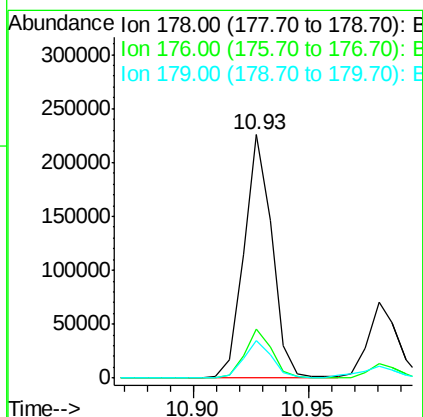
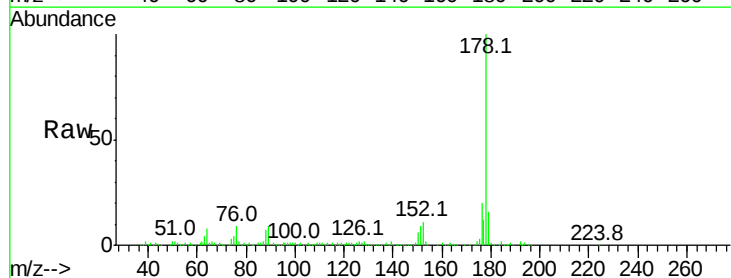
Manual Integrations
APPROVED

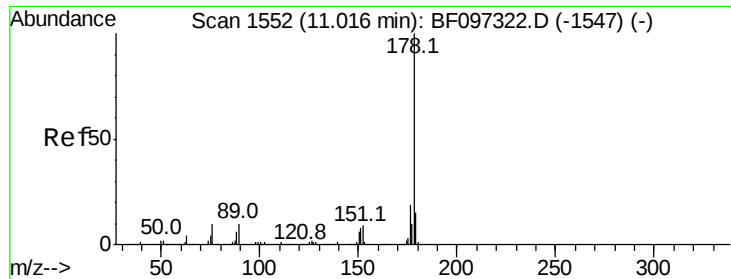
Sohil
8/9/2017 7:16:37 PM



#70
Phenanthrene
Concen: 16.247 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	192265		
176	20.0		16.2	24.4
179	15.6		12.6	19.0





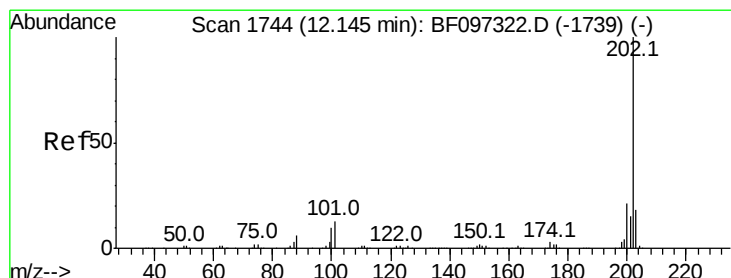
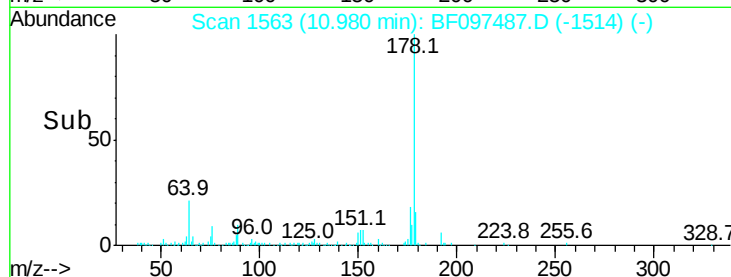
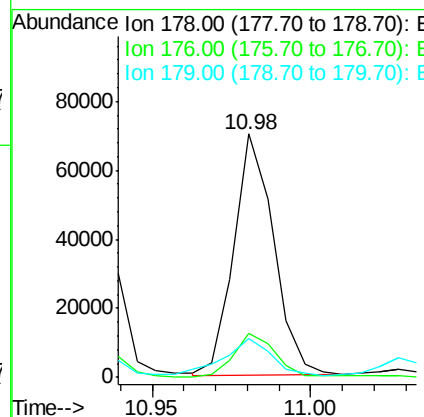
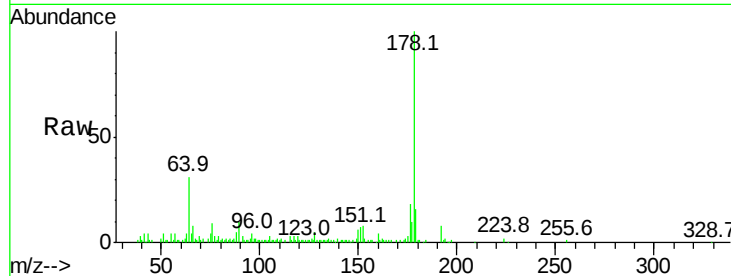
#71
 Anthracene
 Concen: 5.022 ng
 RT: 10.98 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BF097487.D
 Acq: 9 Aug 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TP7DEL-WC1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	16.0	12.7	19.1

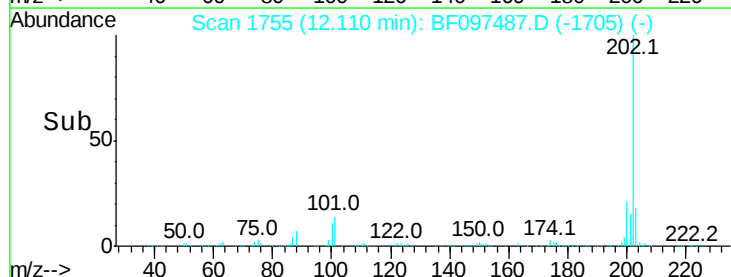
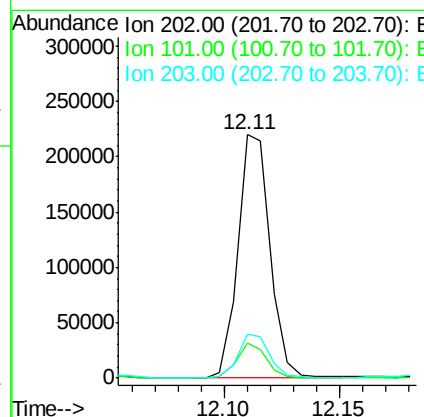
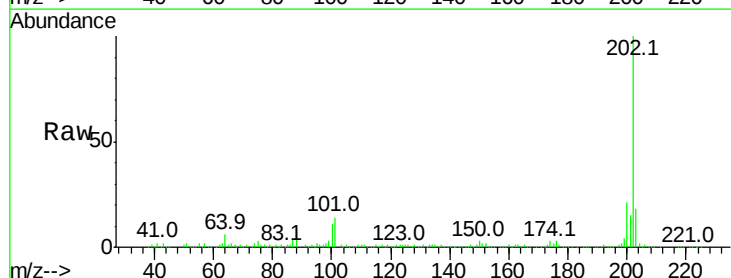
Manual Integrations
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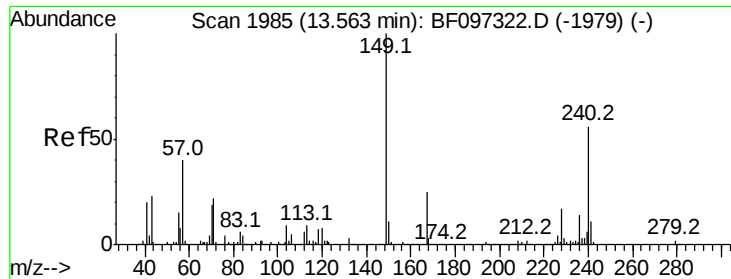
Sohil
 8/9/2017 7:16:37 PM



#74
 Fluoranthene
 Concen: 18.248 ng
 RT: 12.11 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF097487.D
 Acq: 9 Aug 2017 00:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	33.2
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097487.D

Acq: 9 Aug 2017 00:00

Instrument :

BNA_F

ClientSampleId :

TP7DEL-WC1

Tot Ion:240 Resp: 175174

Ion Ratio Lower Upper

240 100

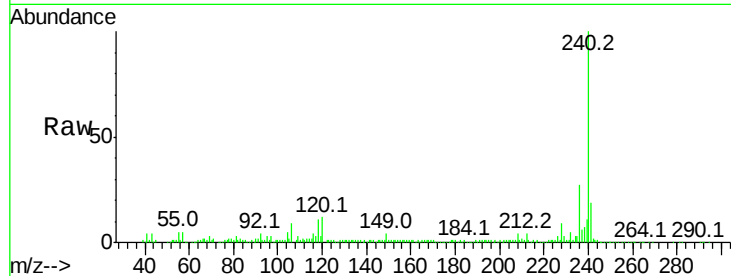
120 12.3 5.8 8.8#

236 27.0 20.5 30.7

Manual Integrations
APPROVED

Sohil

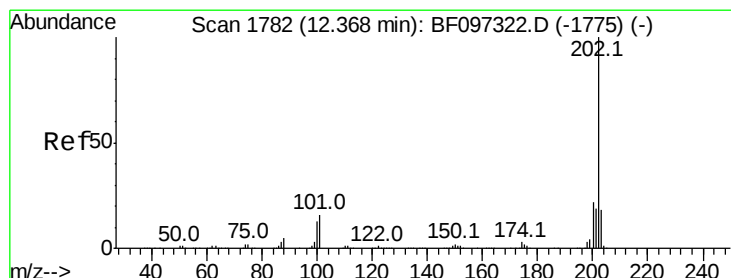
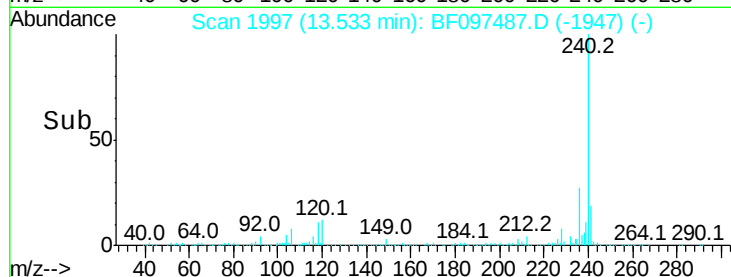
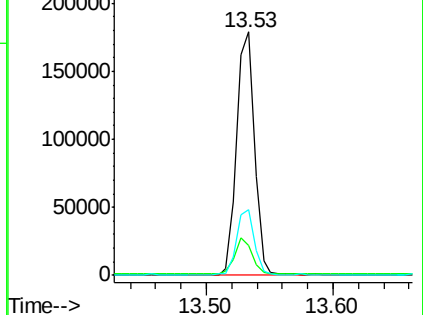
8/9/2017 7:16:37 PM



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: 16.238 ng

RT: 12.33 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF097487.D

Acq: 9 Aug 2017 00:00

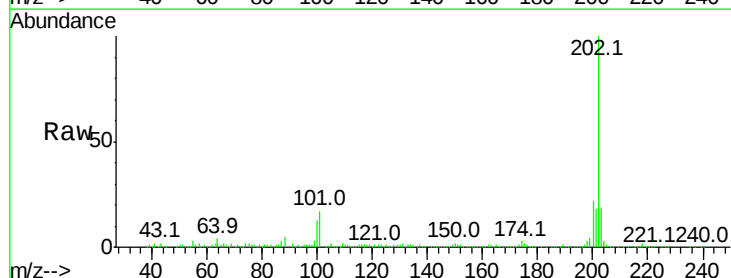
Tgt Ion:202 Resp: 232864

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

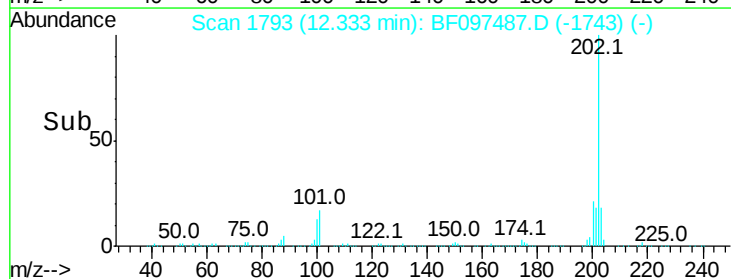
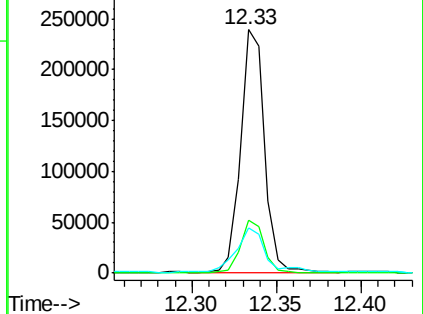
203 18.6 14.4 21.6

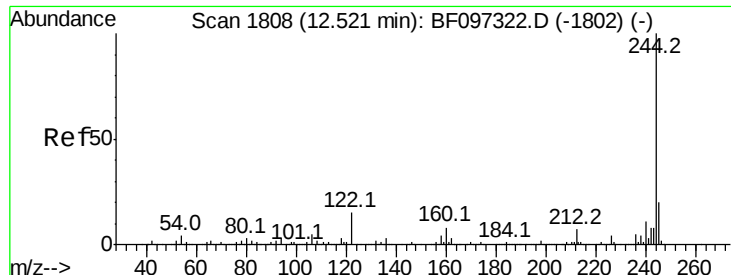


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





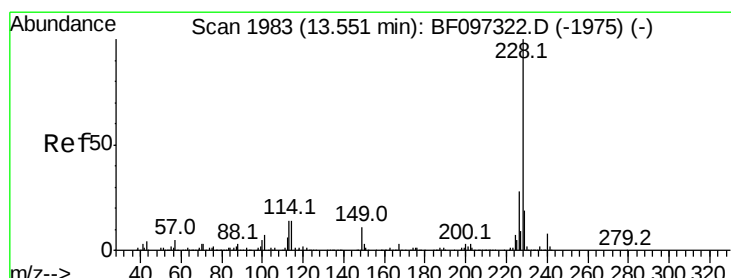
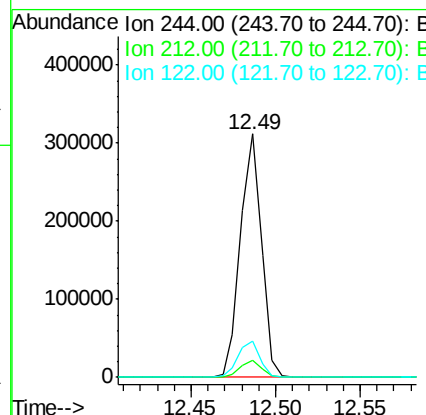
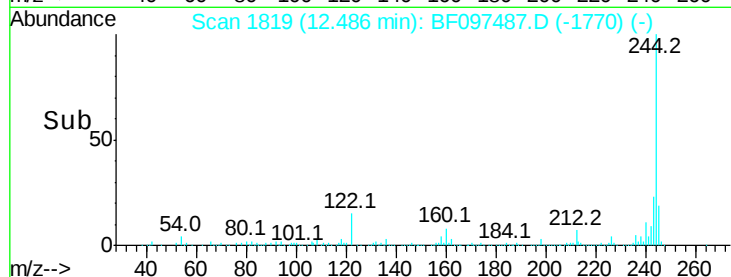
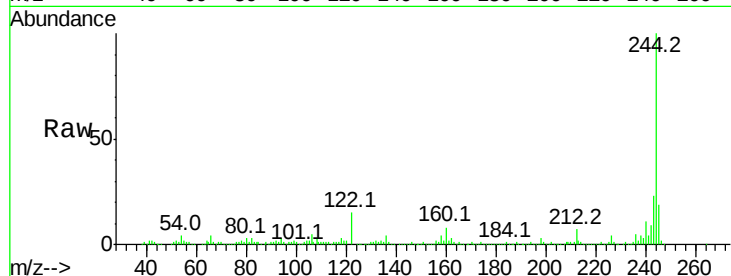
#78
 Terphenyl-d14
 Concen: 31.525 ng
 RT: 12.49 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF097487.D
 Acq: 9 Aug 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TP7DEL-WC1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	15.0	10.3	15.5

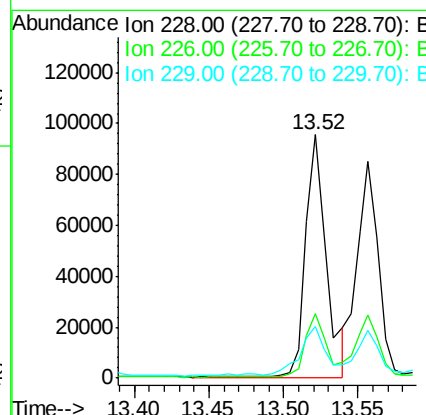
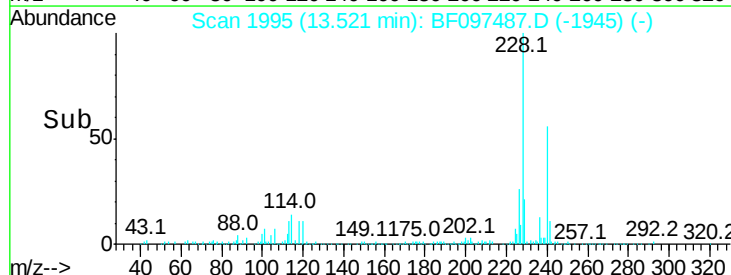
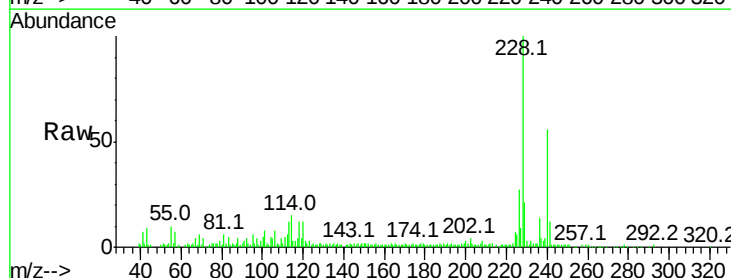
Manual Integrations
 APPROVED

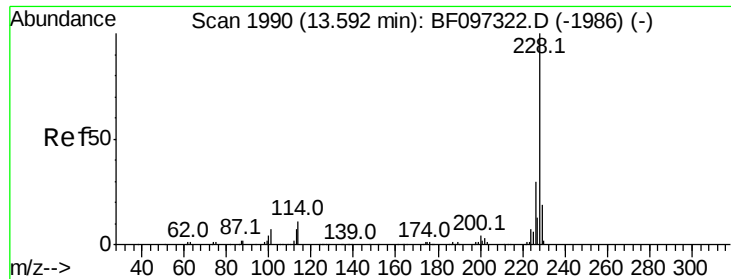
Sohil
 8/9/2017 7:16:37 PM



#80
 Benzo(a)anthracene
 Concen: 8.159 ng
 RT: 13.52 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF097487.D
 Acq: 9 Aug 2017 00:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	33.8
229	21.4	16.3	24.5





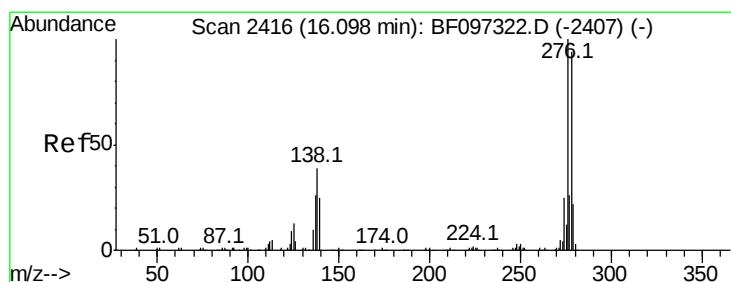
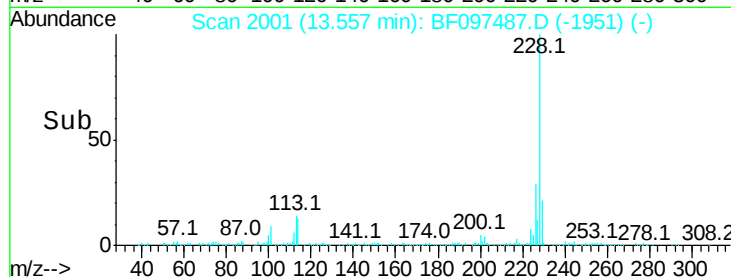
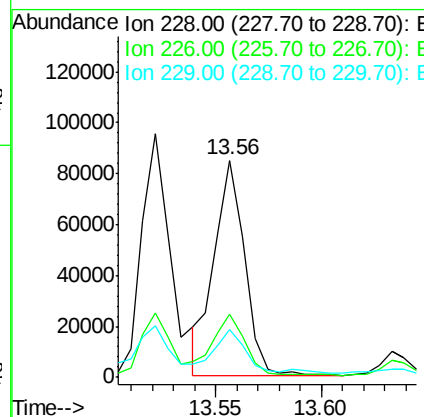
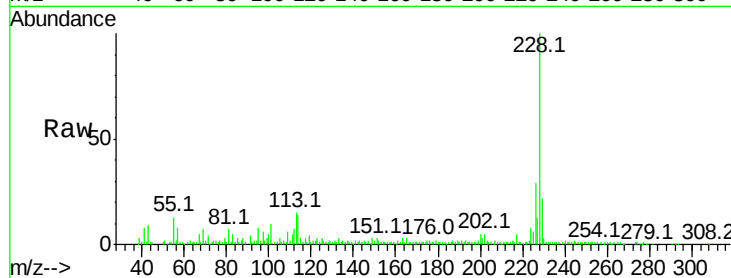
#82
Chrysene
Concen: 7.683 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TP7DEL-WC1

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.9	37.3
229	21.9	15.8	23.6

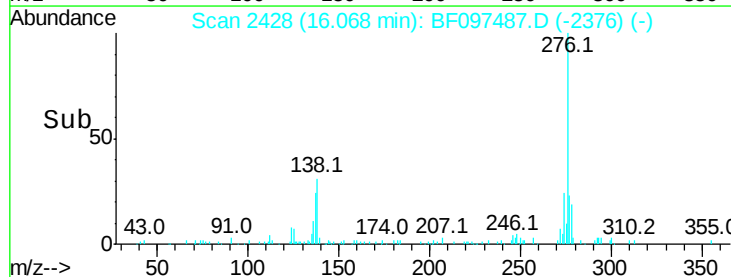
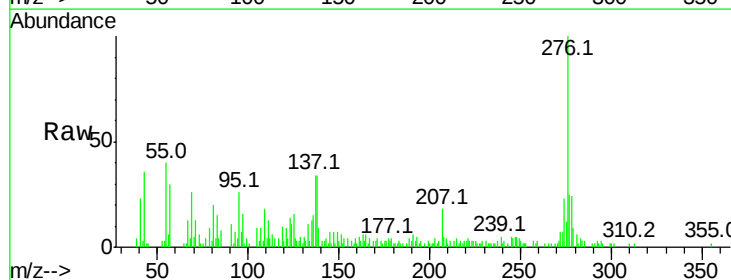
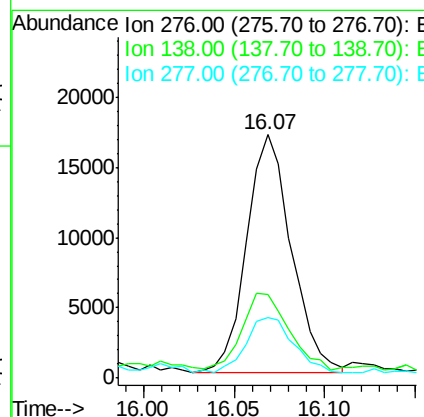
Manual Integrations
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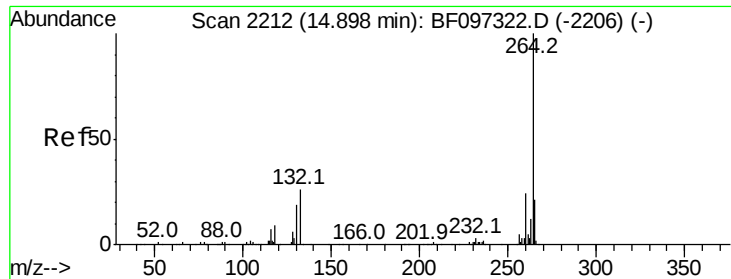
Sohil
8/9/2017 7:16:37 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.048 ng
RT: 16.07 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.3	27.8	41.6
277	25.9	20.2	30.4





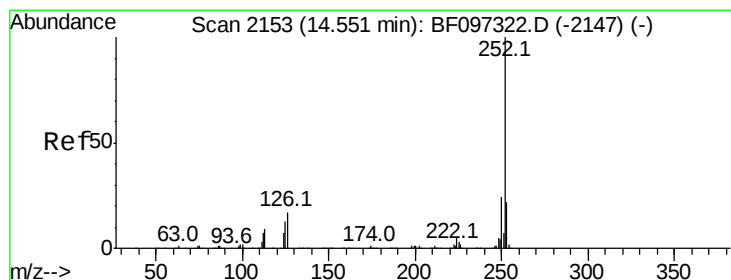
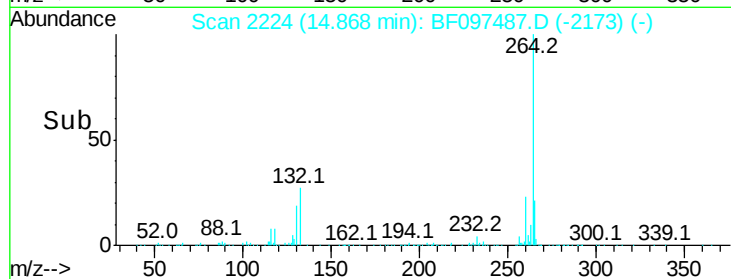
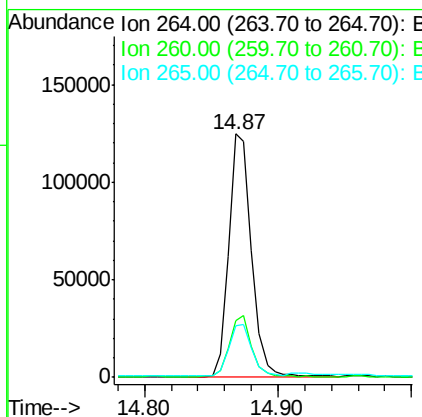
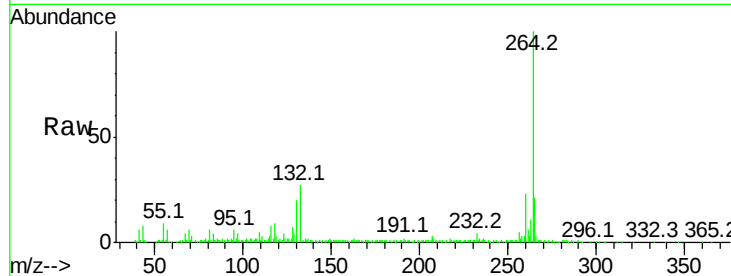
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2224
Delta R.T. 0.00 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TP7DEL-WC1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.3	17.2	25.8

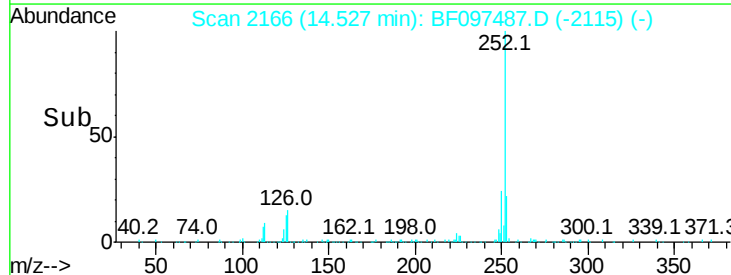
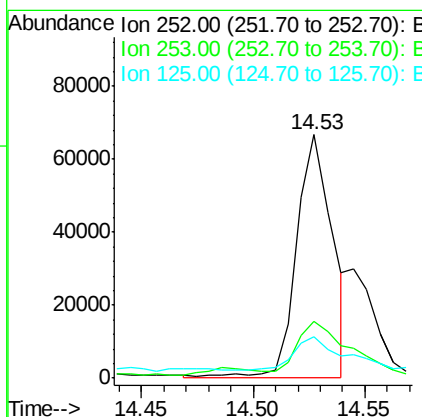
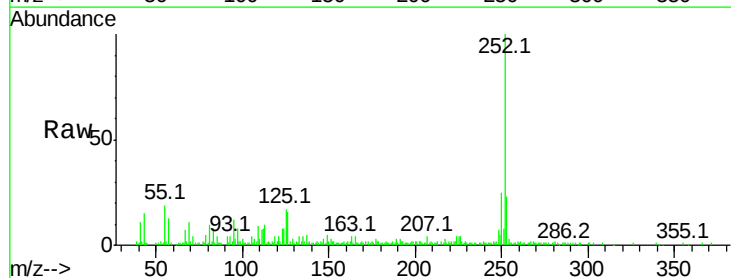
Manual Integrations
APPROVED

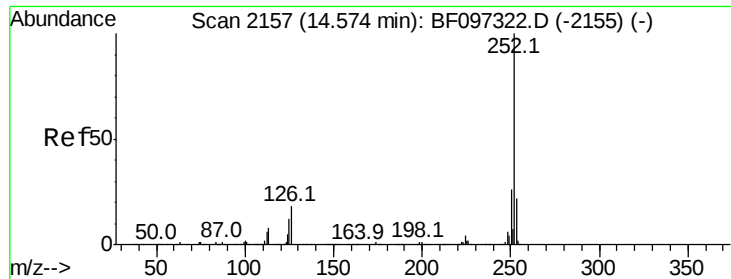
Sohil
8/9/2017 7:16:37 PM



#87
Benzo(b)fluoranthene
Concen: 8.352 ng m
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	17.0	9.8	14.8#





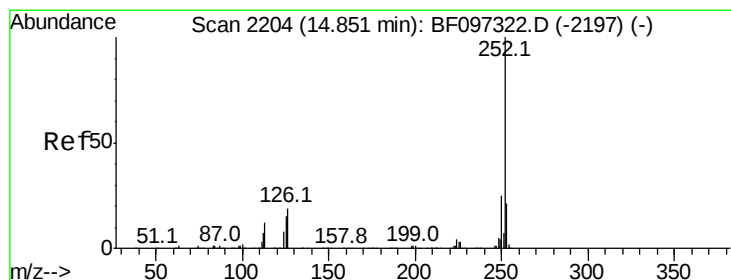
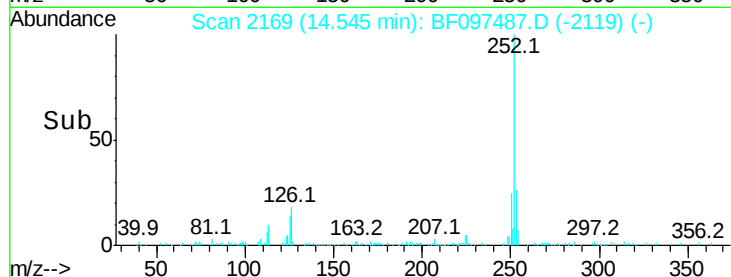
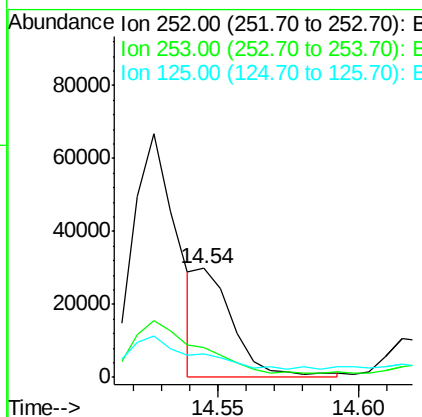
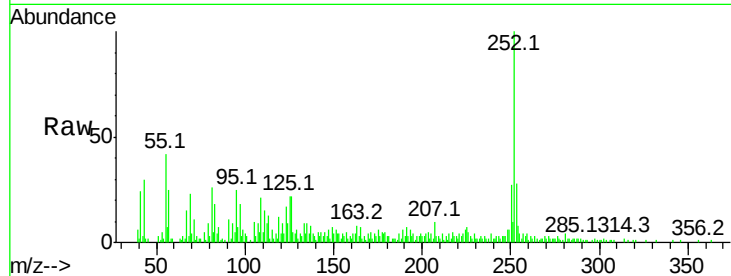
#88
Benzo(k)fluoranthene
Concen: 3.154 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Instrument :
BNA_F
ClientSampleId :
TP7DEL-WC1

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.4	27.6
125	21.8	13.1	19.7

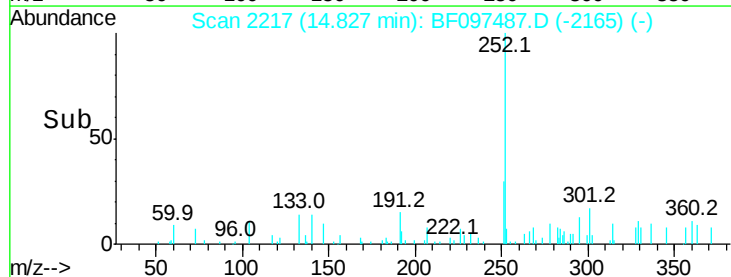
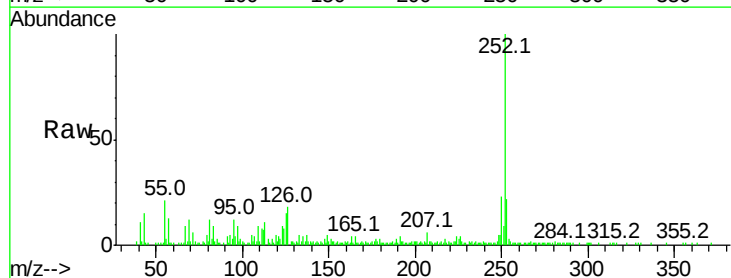
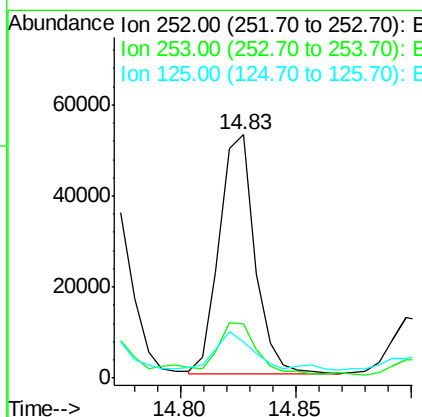
Manual Integrations
APPROVED

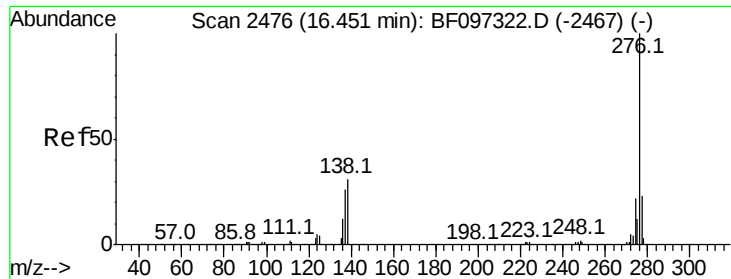
Sohil
8/9/2017 7:16:37 PM



#89
Benzo(a)pyrene
Concen: 6.894 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097487.D
Acq: 9 Aug 2017 00:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	14.6	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.404 ng
 RT: 16.42 min Scan# 2488
 Delta R.T. 0.01 min
 Lab File: BF097487.D
 Acq: 9 Aug 2017 00:00

Instrument :
 BNA_F
 ClientSampleId :
 TP7DEL-WC1

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	18.6	28.0
138	30.6	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:16:37 PM

