

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097443.D
 Acq On : 7 Aug 2017 21:48
 Operator : SJ/JU
 Sample : I4623-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-WN

Manual Integrations
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Quant Time: Aug 08 05:50:47 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	6.41	152	93895	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	369407	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	160445	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	208143	20.00	ng	0.00
75) Chrysene-d12	13.53	240	189172	20.00	ng	0.00
86) Perylene-d12	14.87	264	171550	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	554492	89.02	ng	0.00
7) Phenol-d6	6.08	99	711898	100.12	ng	0.00
23) Nitrobenzene-d5	6.98	82	423580	67.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	99520	78.51	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	660453	69.86	ng	0.00
78) Terphenyl-d14	12.49	244	400946	43.21	ng	0.00
Target Compounds						
10) Phenol	6.09	94	26595	3.153	ng	Qvalue # 72
49) Dimethylphthalate	9.17	163	210049	17.240	ng	99
51) Acenaphthene	9.47	154	72314	7.931	ng	99
54) Dibenzofuran	9.65	168	34151	2.812	ng	98
57) Fluorene	9.98	166	45596	4.995	ng	98
70) Phenanthrene	10.93	178	457379	41.012	ng	98
71) Anthracene	10.99	178	125462	10.984	ng	96
72) Carbazole	11.15	167	60817	5.414	ng	97
74) Fluoranthene	12.12	202	569354	52.112	ng	97
77) Pyrene	12.34	202	470601	30.387	ng	99
80) Benzo(a)anthracene	13.52	228	263462	21.524	ng	99
82) Chrysene	13.56	228	237927	19.907	ng	98
85) Indeno(1,2,3-cd)pyrene	16.06	276	74274	7.247	ng	94
87) Benzo(b)fluoranthene	14.53	252	254715m	24.700	ng	
88) Benzo(k)fluoranthene	14.54	252	92356m	9.399	ng	
89) Benzo(a)pyrene	14.82	252	191614	20.302	ng	97
90) Dibenzo(a,h)anthracene	16.06	278	17359m	2.243	ng	
91) Benzo(g,h,i)perylene	16.42	276	71738	8.839	ng	98

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

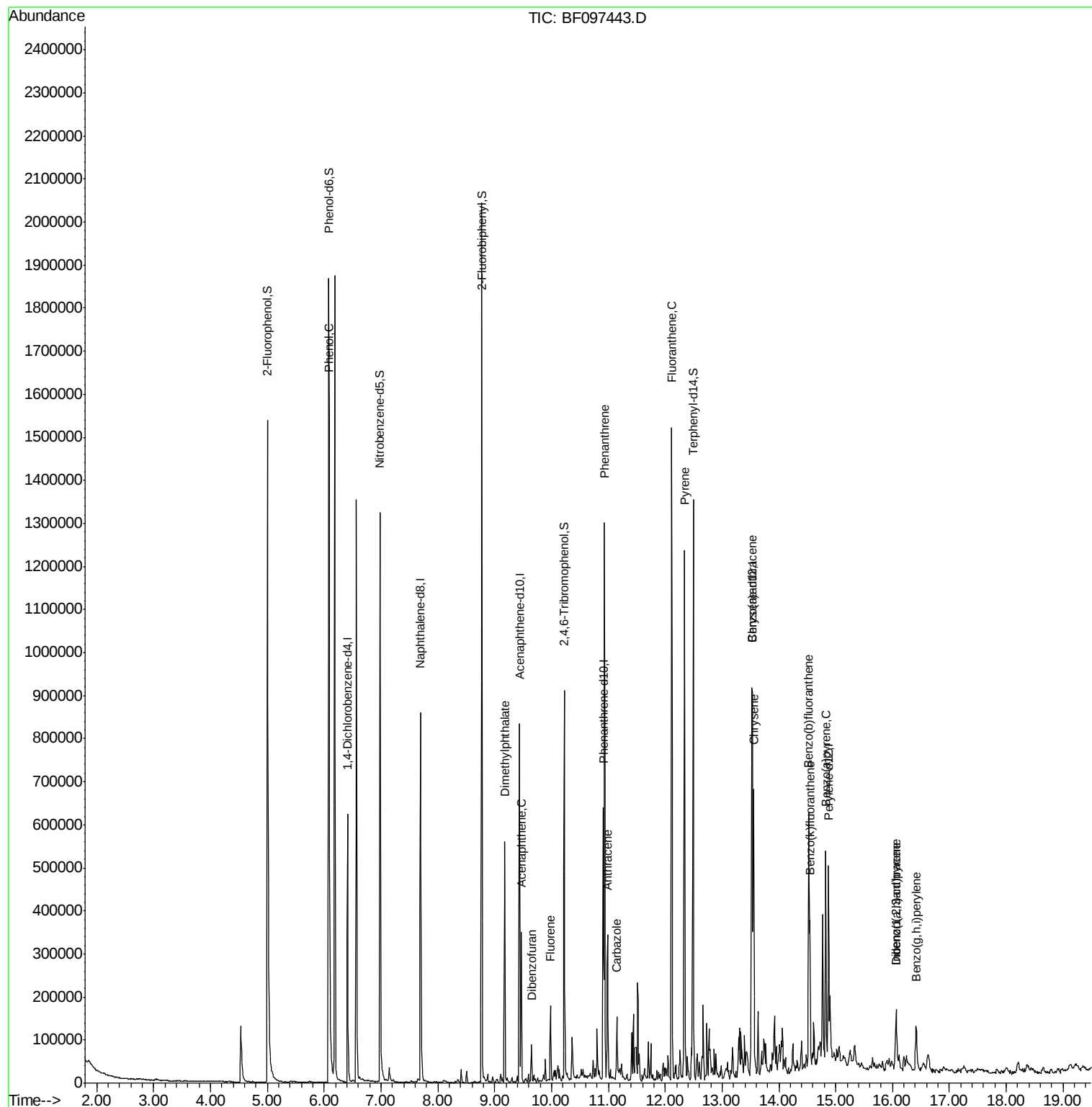
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
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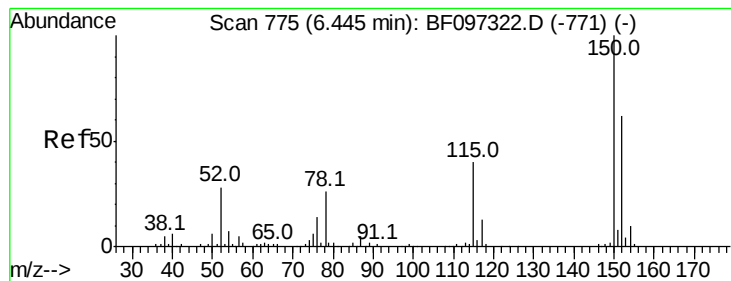
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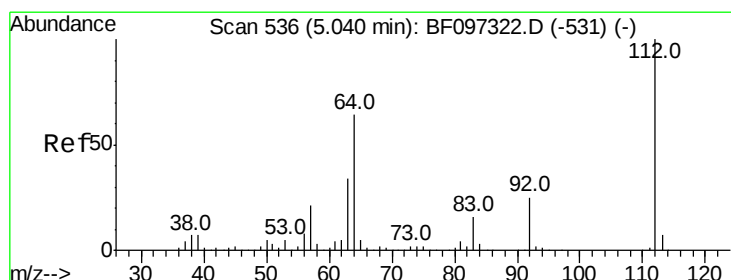
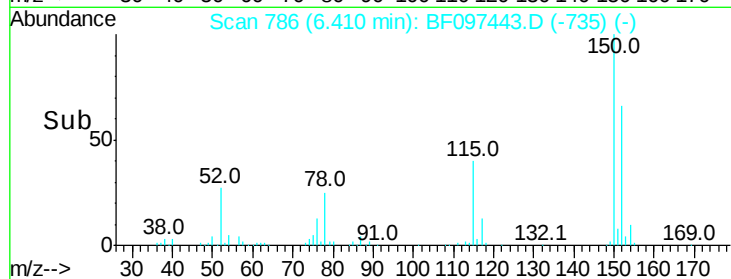
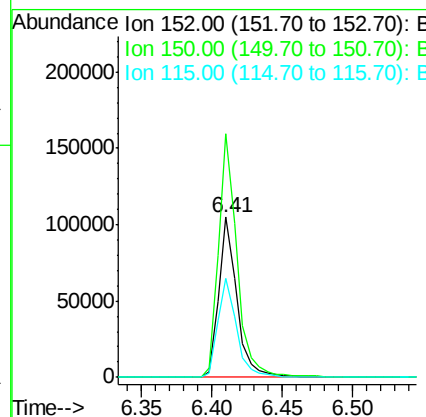
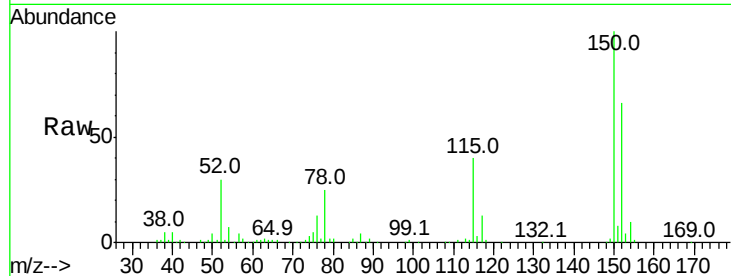
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.41 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF097443.D
 Acq: 7 Aug 2017 21:48

Instrument :
 BNA_F
 ClientSampleId :
 TEC-WN

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.2	189.2
115	61.6	52.2	78.2

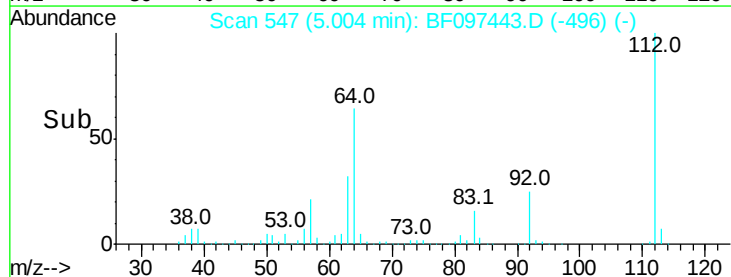
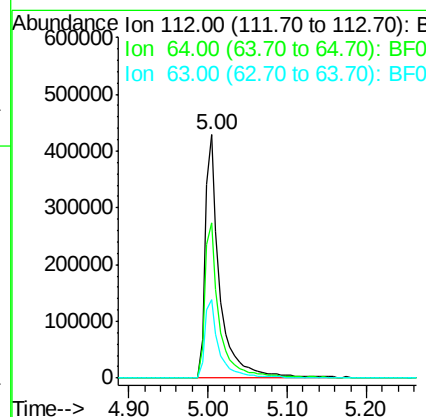
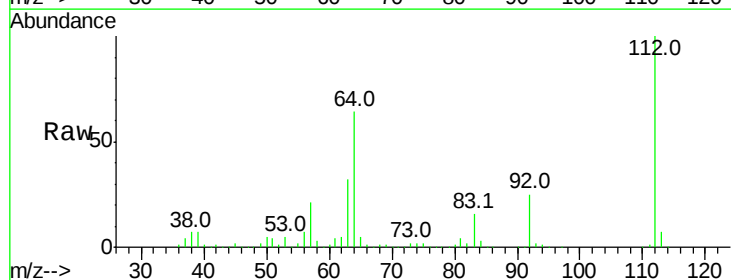
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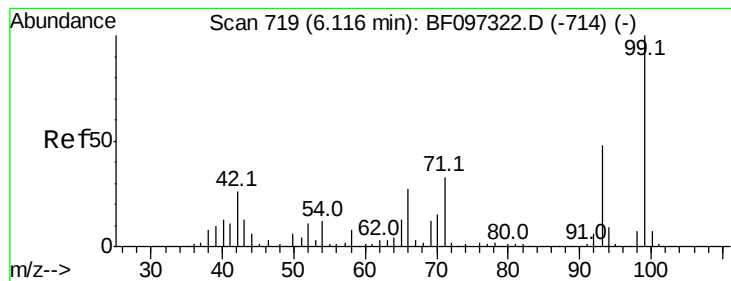
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#5
 2-Fluorophenol
 Concen: 89.024 ng
 RT: 5.00 min Scan# 547
 Delta R.T. 0.00 min
 Lab File: BF097443.D
 Acq: 7 Aug 2017 21:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	46.0	69.0
63	32.4	23.4	35.0





#7

Phenol-d6

Concen: 100.117 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097443.D

Acq: 7 Aug 2017 21:48

Instrument :

BNA_F

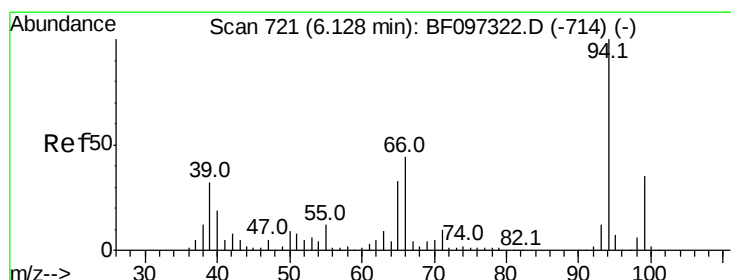
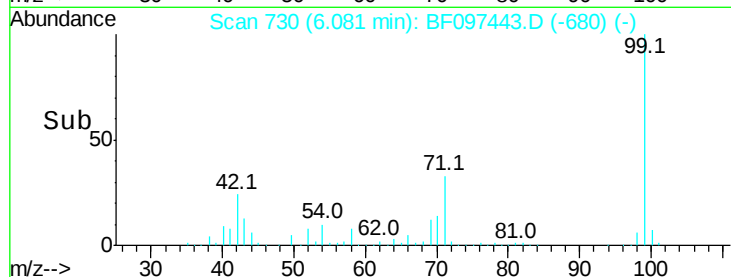
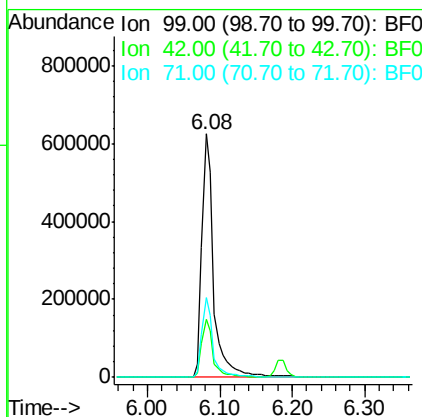
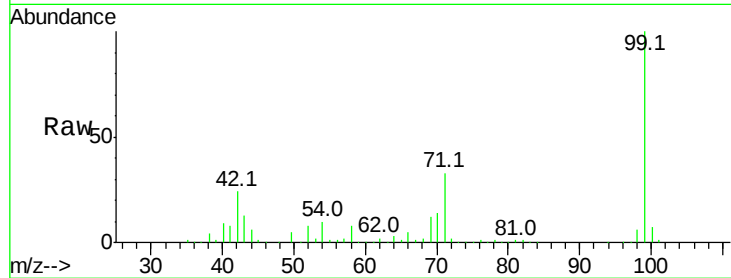
ClientSampled :

TEC-WN

Tot Ion:	99	Resp:	711898
Ion Ratio	Lower	Upper	
99	100		
42	23.9	13.5	20.3#
71	32.8	24.5	36.7

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#10

Phenol

Concen: 3.153 ng

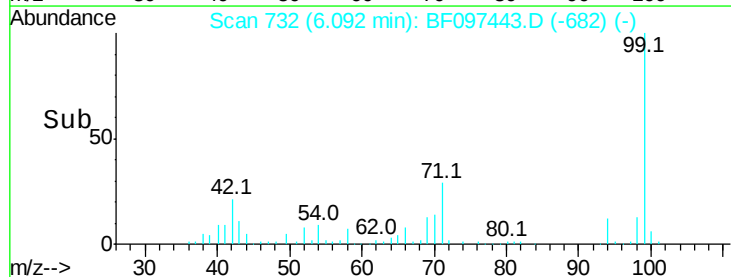
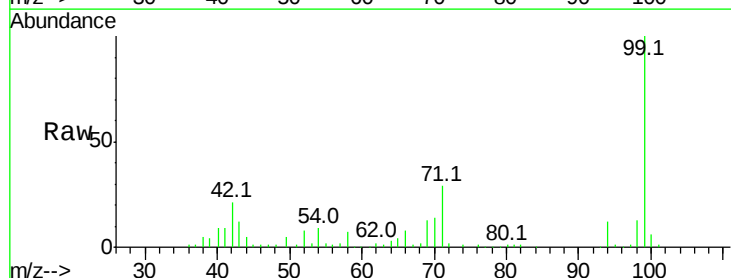
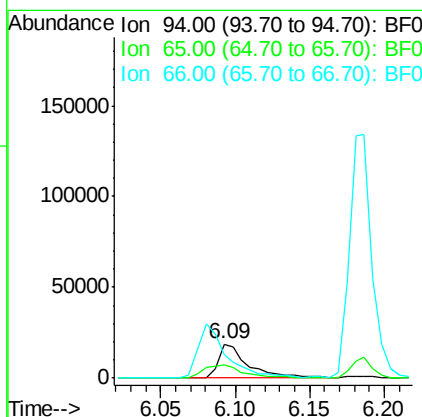
RT: 6.09 min Scan# 732

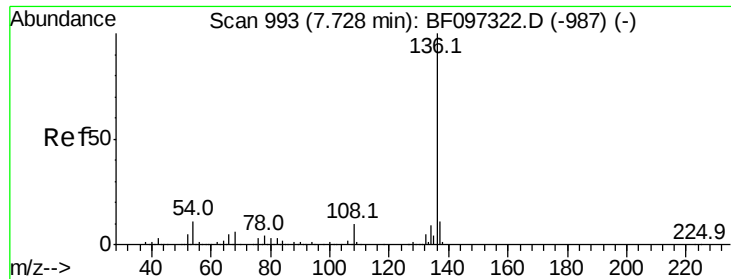
Delta R.T. -0.01 min

Lab File: BF097443.D

Acq: 7 Aug 2017 21:48

Tgt Ion:	94	Resp:	26595
Ion Ratio	Lower	Upper	
94	100		
65	38.6	9.9	49.9
66	66.8	23.1	63.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.69 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF097443.D

Acq: 7 Aug 2017 21:48

Instrument :

BNA_F

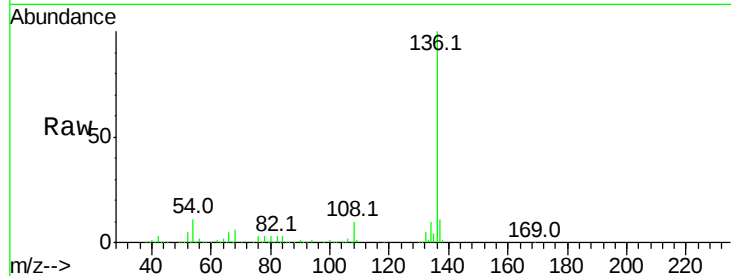
ClientSampleId :

TEC-WN

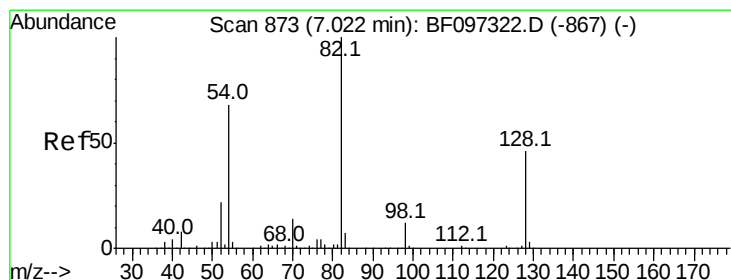
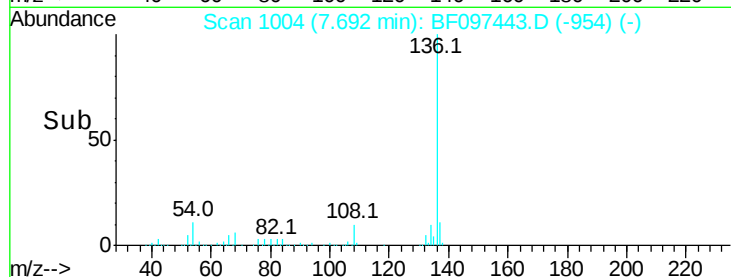
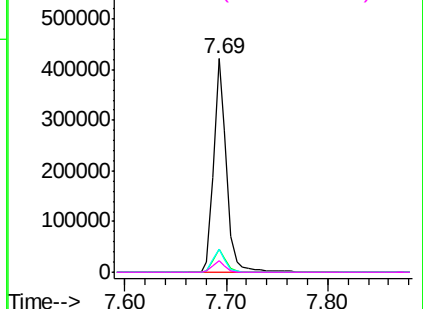
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	10.7	4.9	7.3	
68	5.7	4.1	6.1	

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 67.267 ng

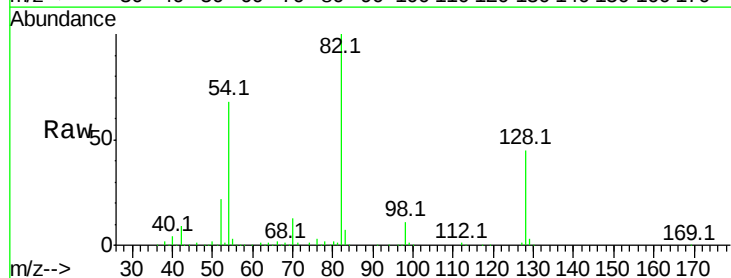
RT: 6.98 min Scan# 883

Delta R.T. -0.01 min

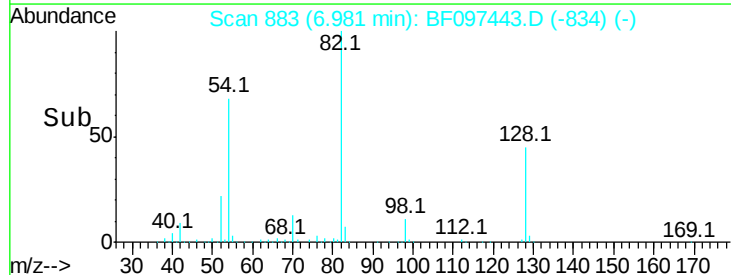
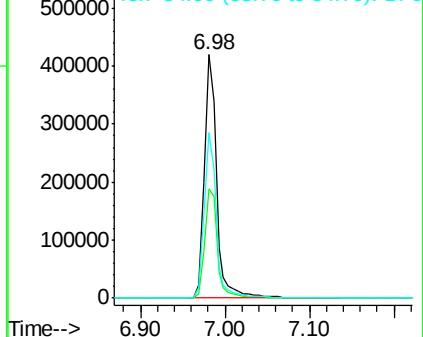
Lab File: BF097443.D

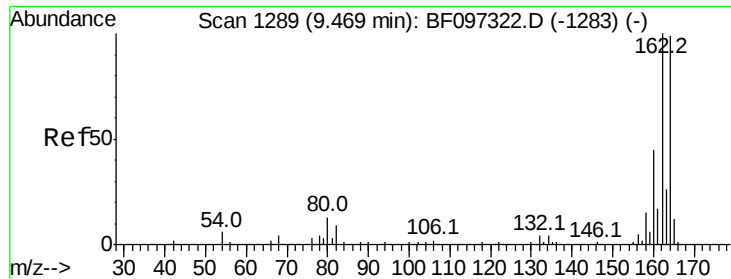
Acq: 7 Aug 2017 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.9	34.0	51.0	
54	68.0	42.2	63.2	



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





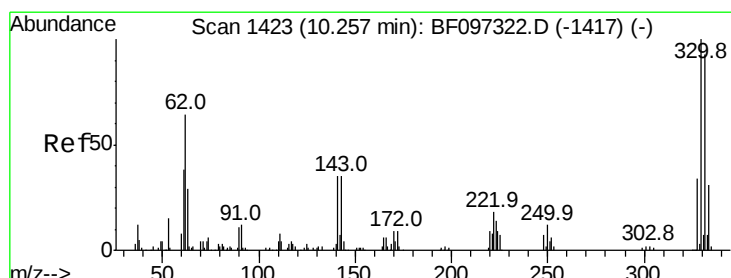
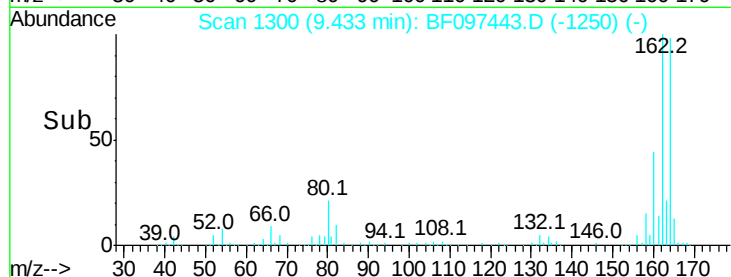
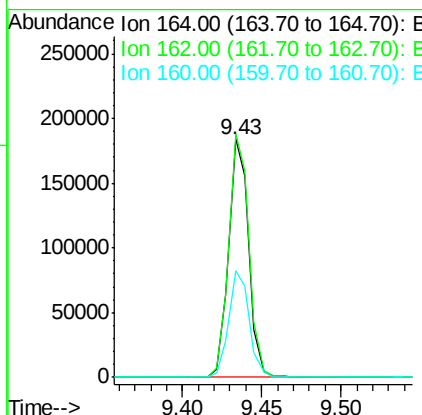
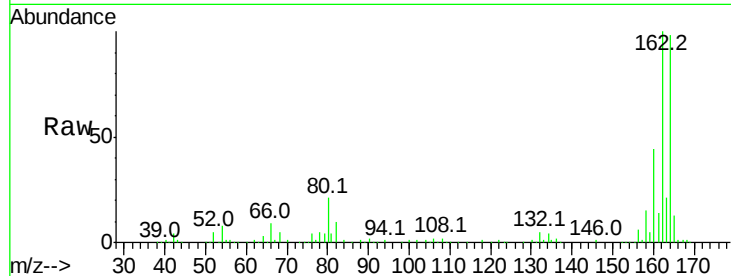
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097443.D
 Acq: 7 Aug 2017 21:48

Instrument :
 BNA_F
 ClientSampleId :
 TEC-WN

Tot Ion	Ratio	Resp	Lower	Upper
164	100	160445		
162	102.1	82.6	123.8	
160	44.8	36.2	54.2	

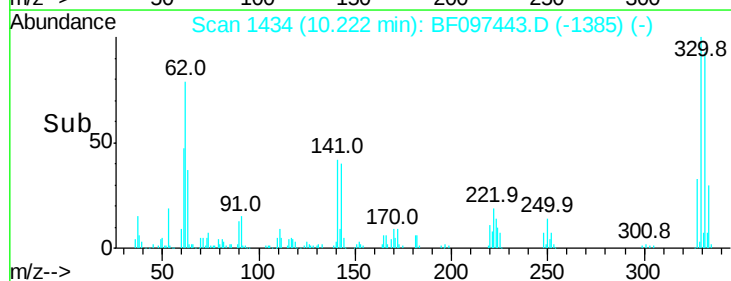
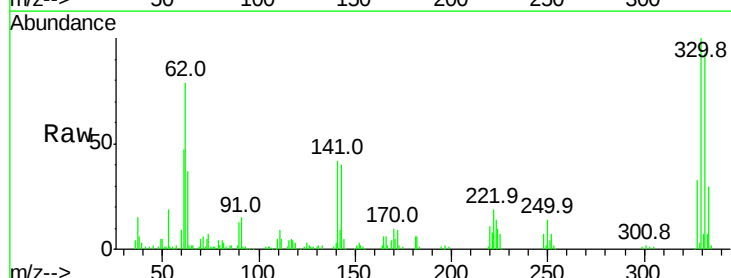
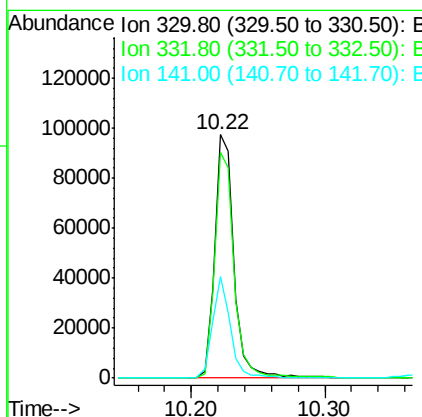
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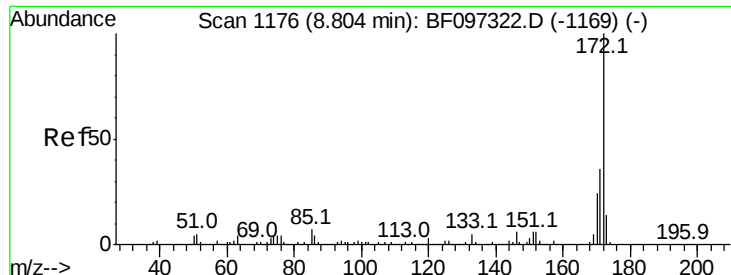
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#41
 2,4,6-Tribromophenol
 Concen: 78.506 ng
 RT: 10.22 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF097443.D
 Acq: 7 Aug 2017 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	99520		
332	93.7	76.6	115.0	
141	38.1	31.4	47.2	





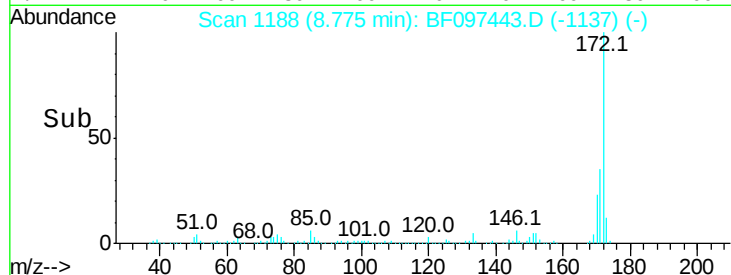
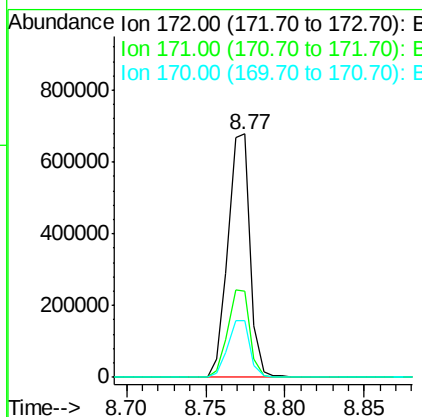
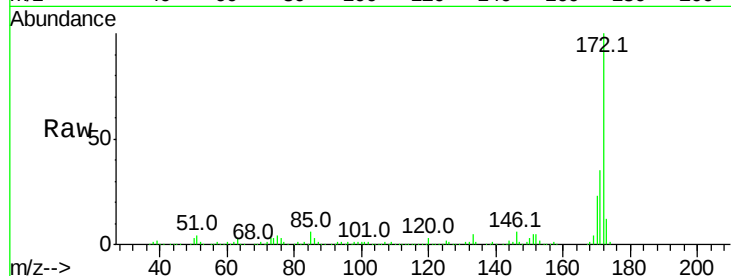
#44
2-Fluorobiphenyl
Concen: 69.859 ng
RT: 8.77 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF097443.D
Acq: 7 Aug 2017 21:48

Instrument :
BNA_F
ClientSampleId :
TEC-WN

Tot Ion	Ratio	Resp	Lower	Upper
172	100	660453		
171	35.3		29.6	44.4
170	23.4		19.8	29.8

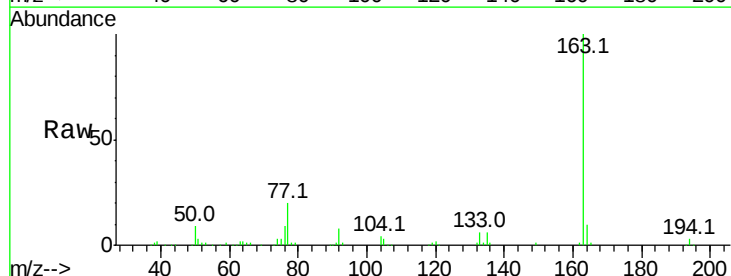
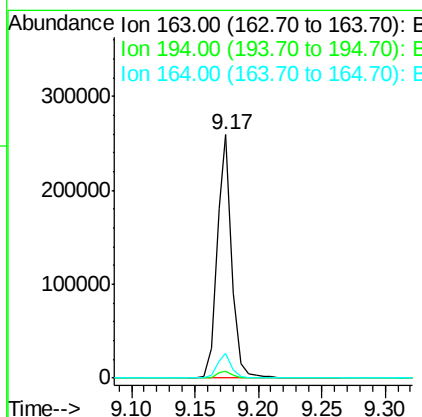
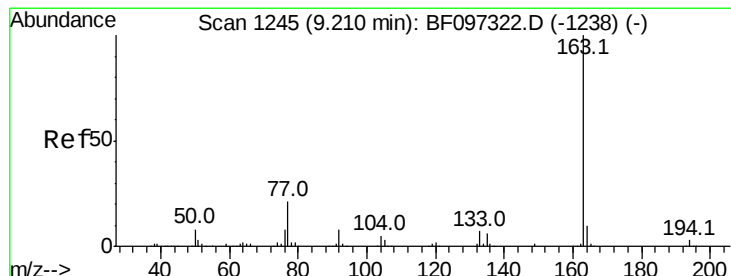
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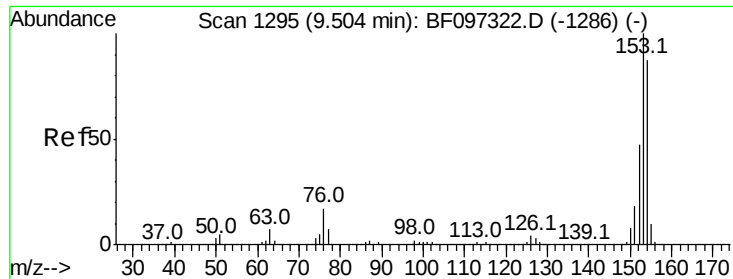
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#49
Dimethylphthalate
Concen: 17.240 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097443.D
Acq: 7 Aug 2017 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	210049		
194	3.0		2.6	4.0
164	10.2		8.4	12.6





#51

Acenaphthene

Concen: 7.931 ng

RT: 9.47 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF097443.D

Acq: 7 Aug 2017 21:48

Instrument :

BNA_F

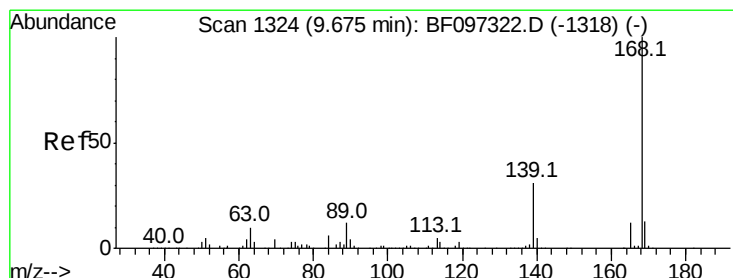
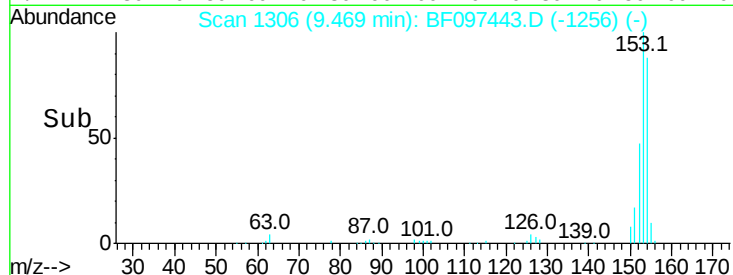
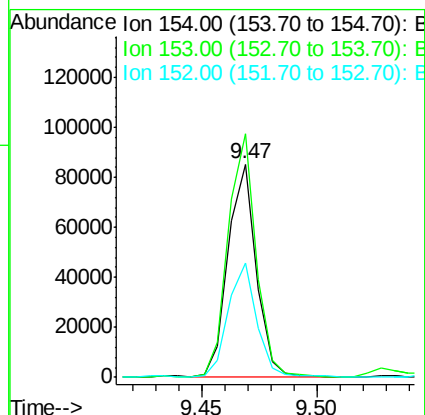
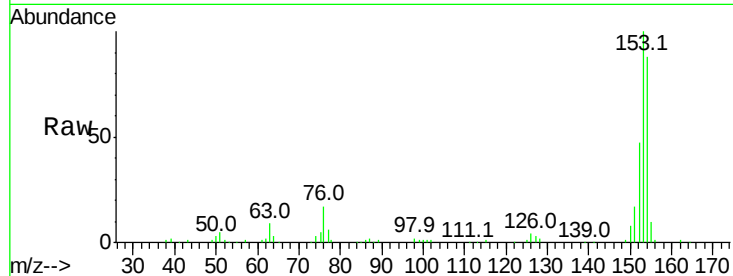
ClientSampleId :

TEC-WN

Tot Ion:	154	Resp:	72314
Ion Ratio	Lower	Upper	
154	100		
153	114.3	90.5	135.7
152	53.8	43.6	65.4

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#54

Dibenzofuran

Concen: 2.812 ng

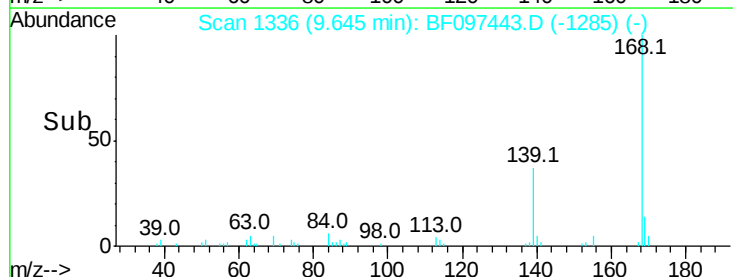
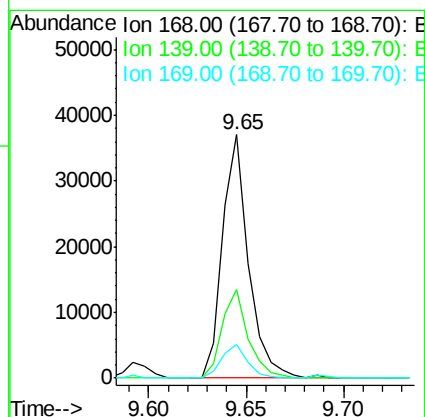
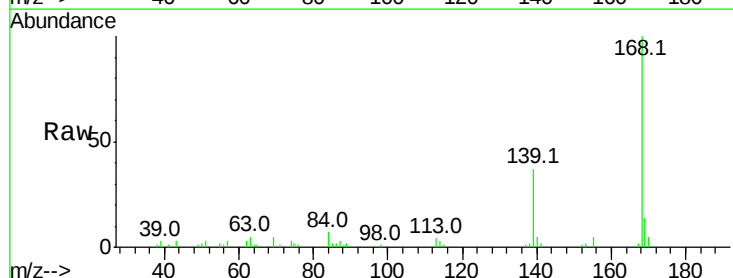
RT: 9.65 min Scan# 1336

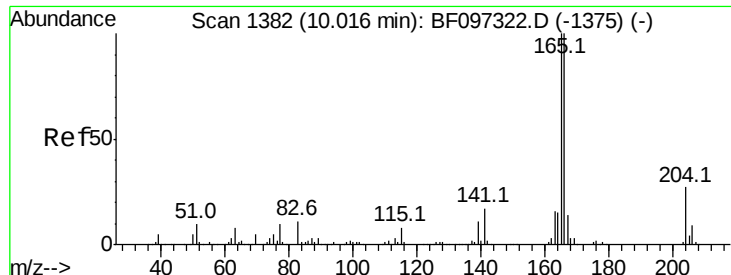
Delta R.T. 0.00 min

Lab File: BF097443.D

Acq: 7 Aug 2017 21:48

Tgt Ion:	168	Resp:	34151
Ion Ratio	Lower	Upper	
168	100		
139	36.7	30.6	45.8
169	13.9	10.8	16.2





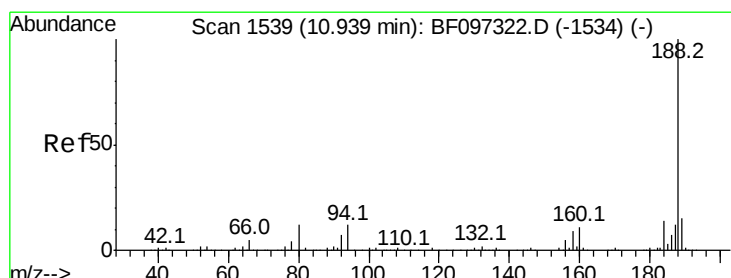
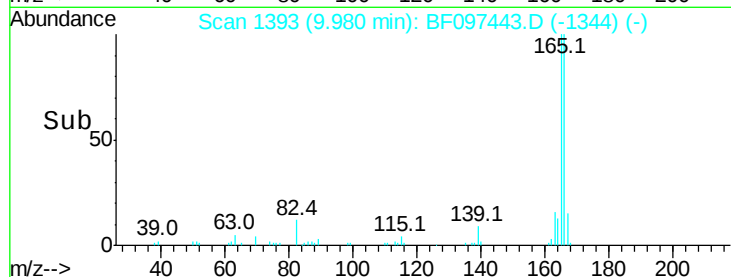
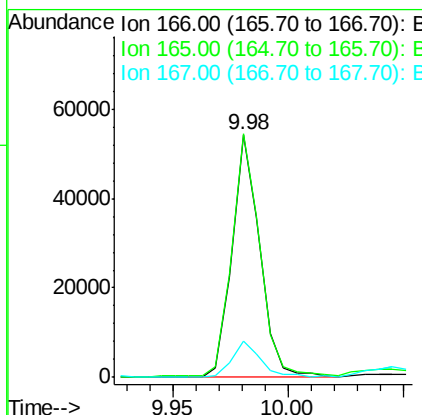
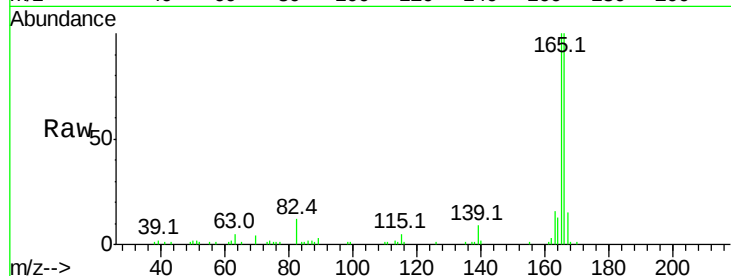
#57
Fluorene
 Concen: 4.995 ng
 RT: 9.98 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF097443.D
 Acq: 7 Aug 2017 21:48

Instrument :
 BNA_F
 ClientSampleId :
 TEC-WN

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.8	118.2
167	15.0	10.6	16.0

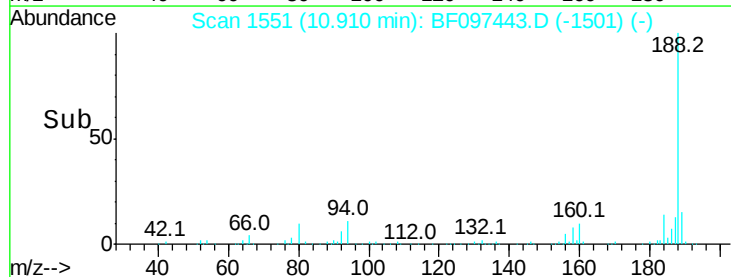
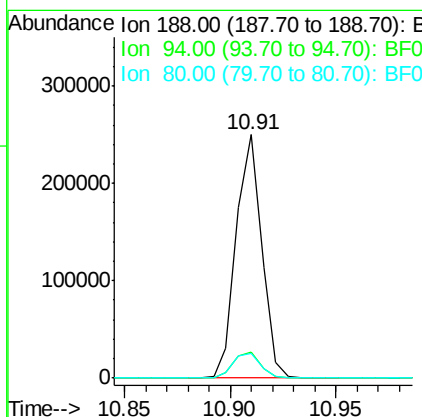
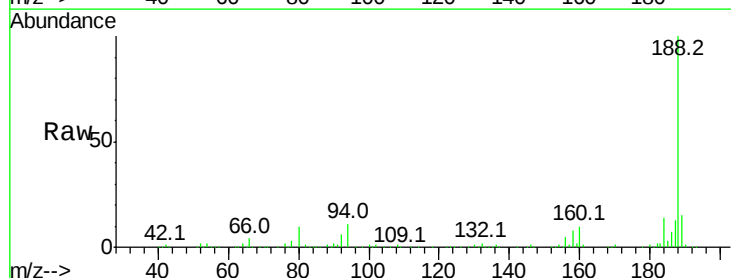
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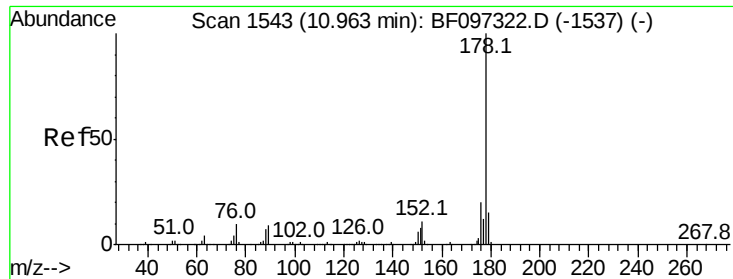
Sohil
 8/9/2017 7:56:10 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.91 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF097443.D
 Acq: 7 Aug 2017 21:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	10.3	10.2	15.2





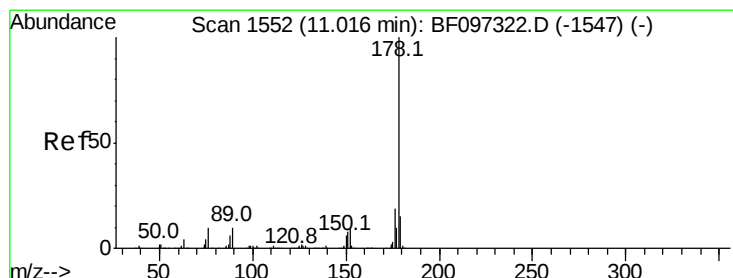
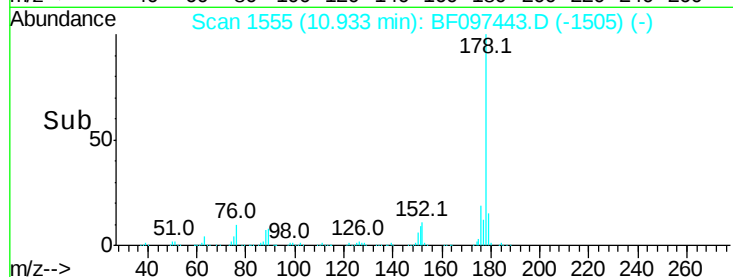
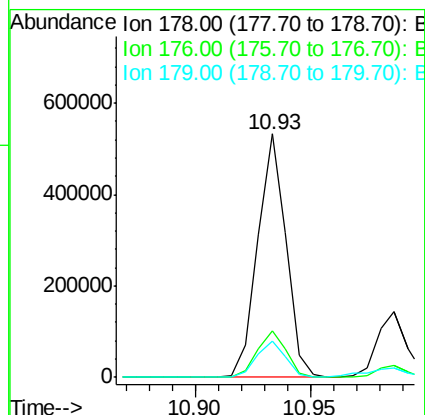
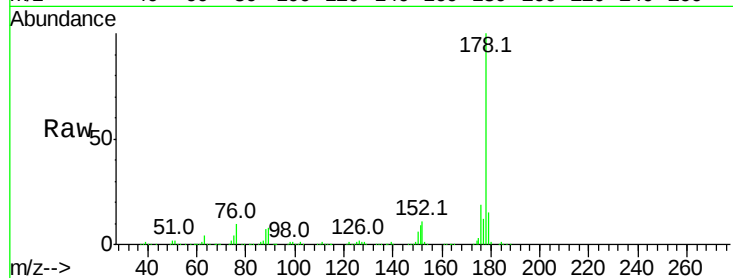
#70
Phenanthrene
Concen: 41.012 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF097443.D
Acq: 7 Aug 2017 21:48

Instrument :
BNA_F
ClientSampleId :
TEC-WN

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.0	12.6	19.0

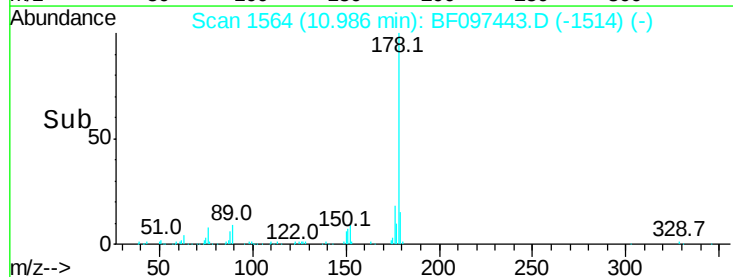
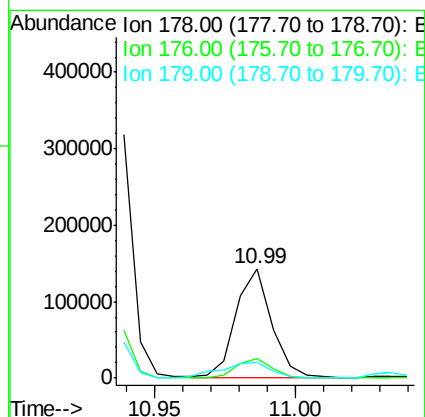
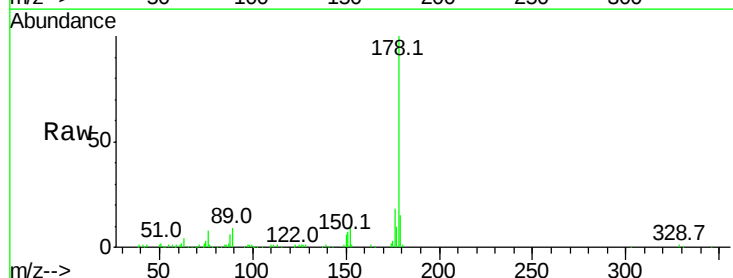
Manual Integrations
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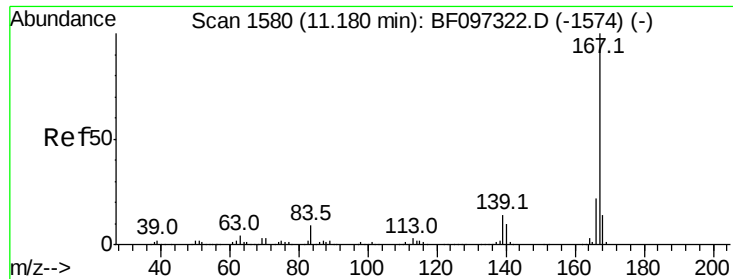
Sohil
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#71
Anthracene
Concen: 10.984 ng
RT: 10.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097443.D
Acq: 7 Aug 2017 21:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.8	23.8
179	14.9	12.7	19.1





#72

Carbazole

Concen: 5.414 ng

RT: 11.15 min Scan# 1592

Delta R.T. 0.00 min

Lab File: BF097443.D

Acq: 7 Aug 2017 21:48

Instrument :

BNA_F

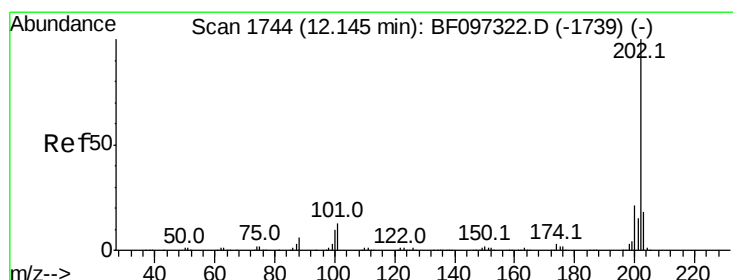
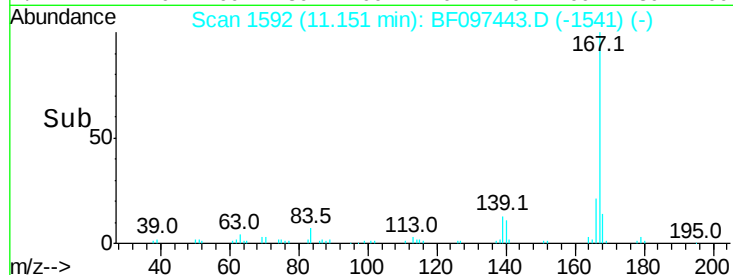
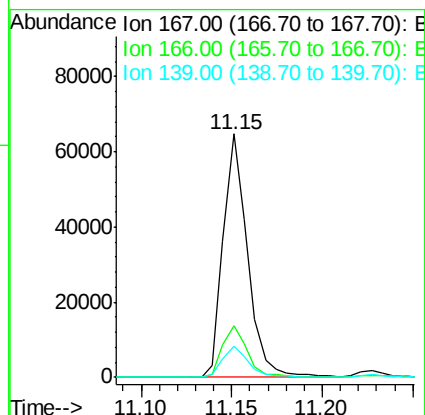
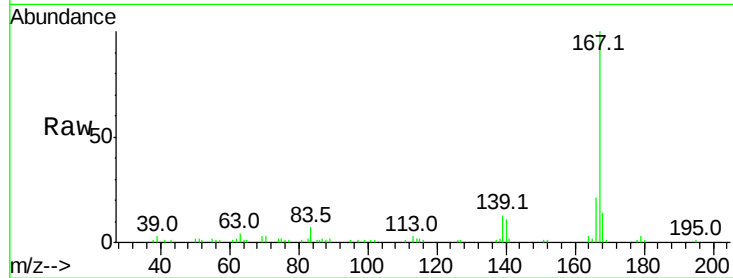
ClientSampleId :

TEC-WN

Tot Ion:	167	Resp:	60817
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.1	27.1
139	12.7	11.7	17.5

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#74

Fluoranthene

Concen: 52.112 ng

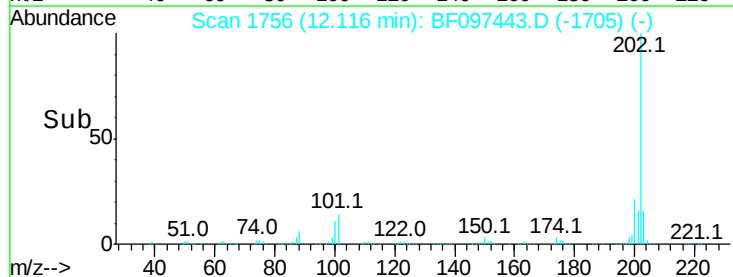
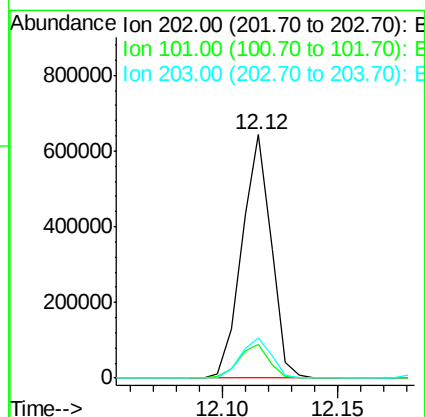
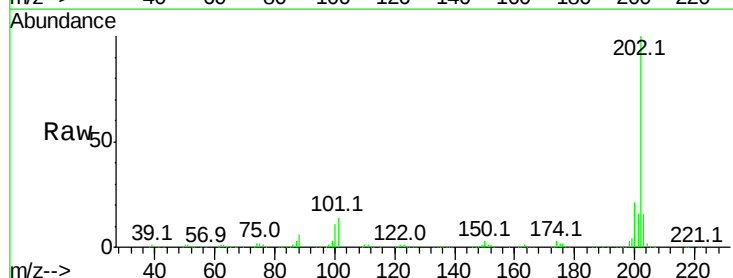
RT: 12.12 min Scan# 1756

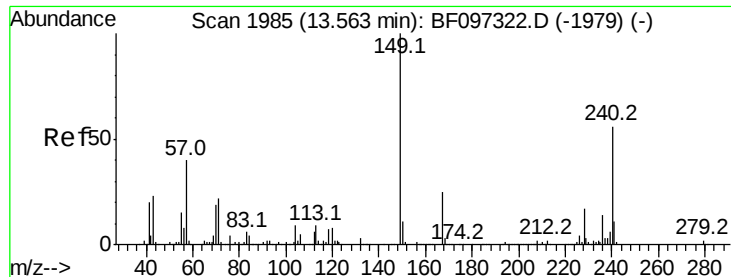
Delta R.T. 0.00 min

Lab File: BF097443.D

Acq: 7 Aug 2017 21:48

Tgt Ion:	202	Resp:	569354
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	33.2
203	16.4	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: BF097443.D

Acq: 7 Aug 2017 21:48

Instrument :

BNA_F

ClientSampleId :

TEC-WN

Tot Ion:240 Resp: 189172
Ion Ratio Lower Upper

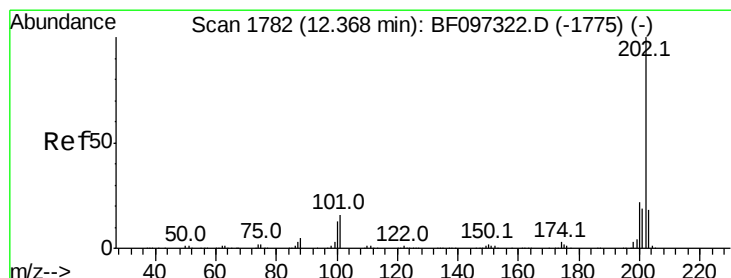
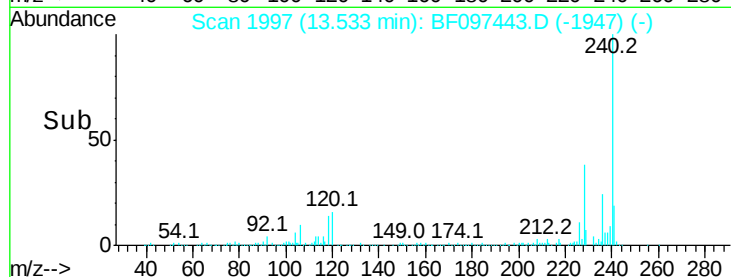
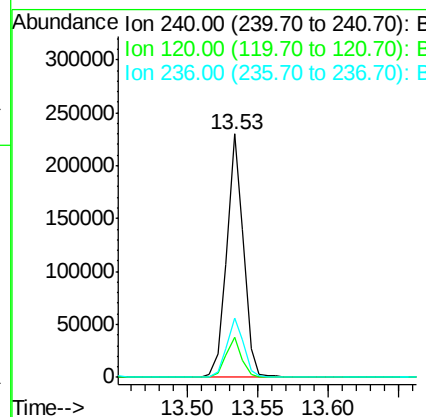
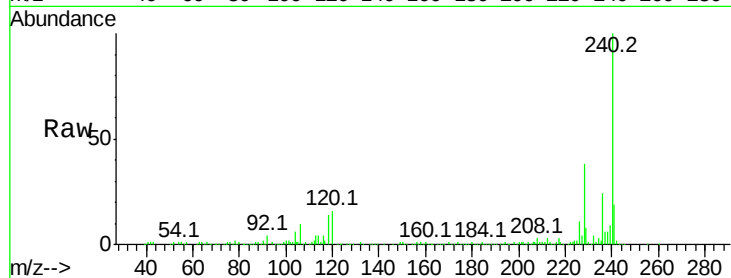
240 100

120 16.3 5.8 8.8#

236 24.1 20.5 30.7

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#77

Pyrene

Concen: 30.387 ng

RT: 12.34 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF097443.D

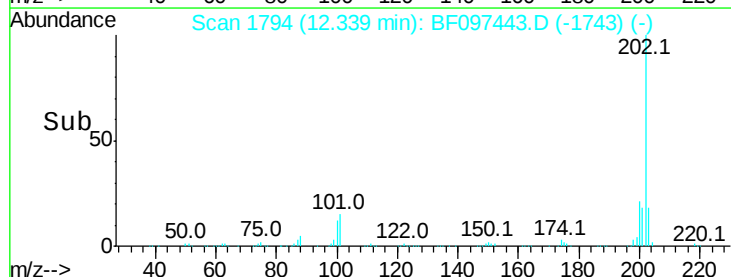
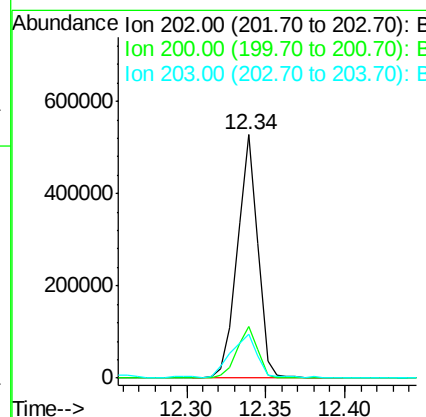
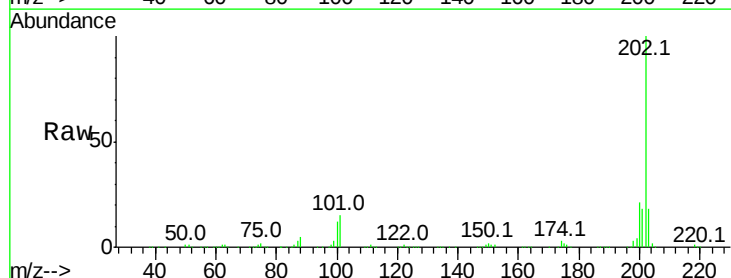
Acq: 7 Aug 2017 21:48

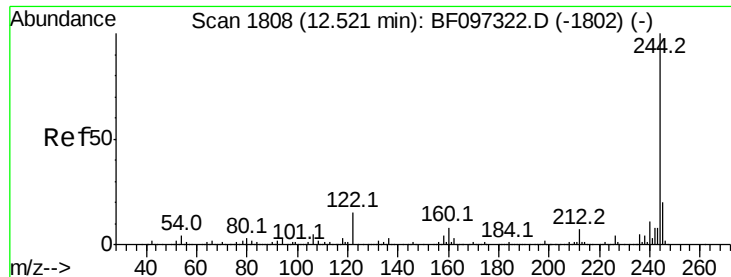
Tgt Ion:202 Resp: 470601
Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

203 17.8 14.4 21.6





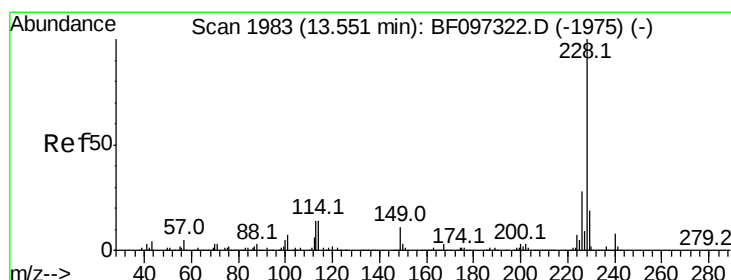
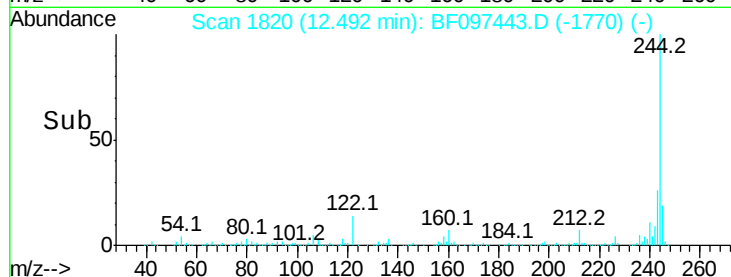
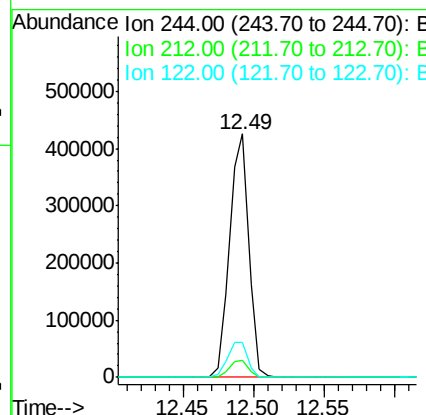
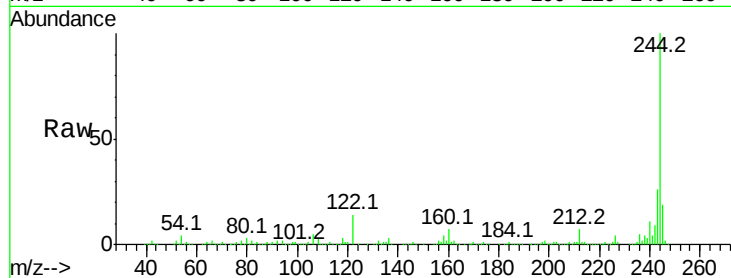
#78
 Terphenyl-d14
 Concen: 43.213 ng
 RT: 12.49 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF097443.D
 Acq: 7 Aug 2017 21:48

Instrument :
 BNA_F
 ClientSampled :
 TEC-WN

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.4	10.3	15.5

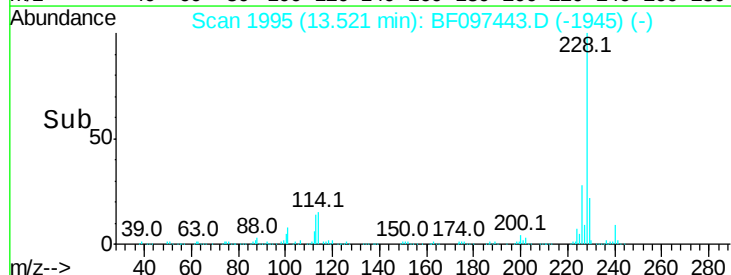
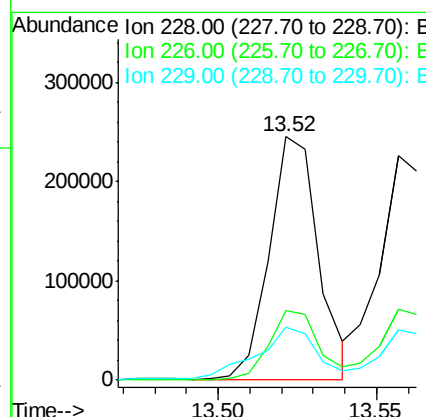
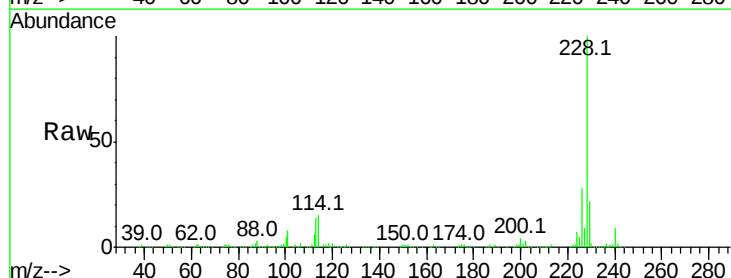
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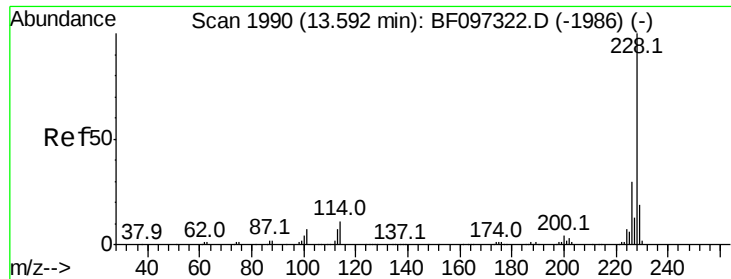
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#80
 Benzo(a)anthracene
 Concen: 21.524 ng
 RT: 13.52 min Scan# 1995
 Delta R.T. -0.01 min
 Lab File: BF097443.D
 Acq: 7 Aug 2017 21:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.7	16.3	24.5





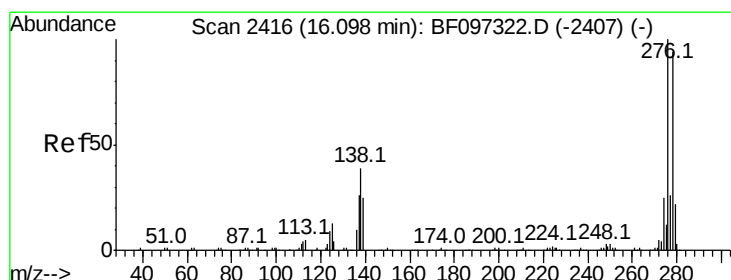
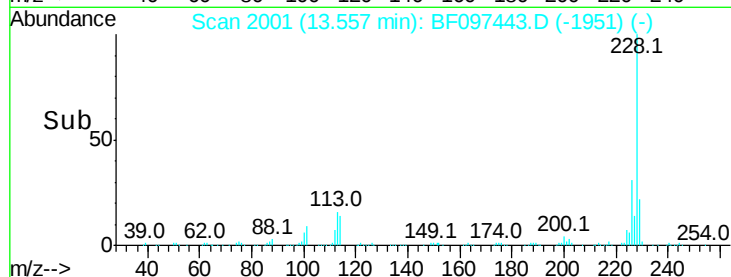
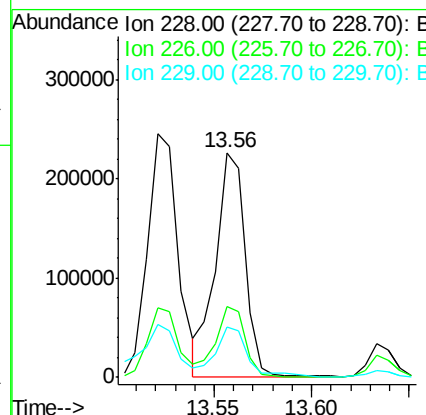
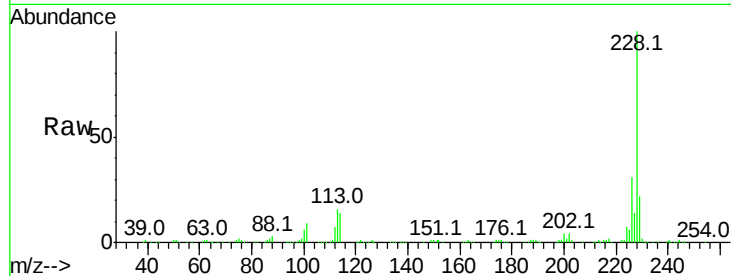
#82
Chrysene
Concen: 19.907 ng
RT: 13.56 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF097443.D
Acq: 7 Aug 2017 21:48

Instrument :
BNA_F
ClientSampleId :
TEC-WN

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	22.2	15.8	23.6

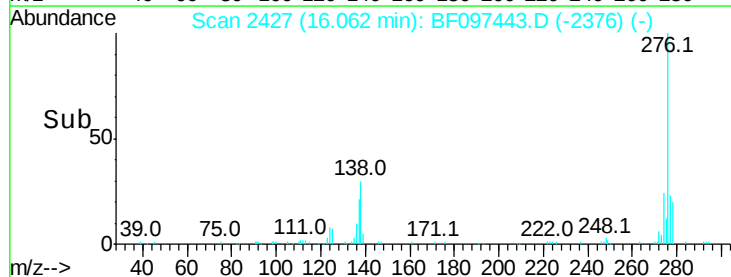
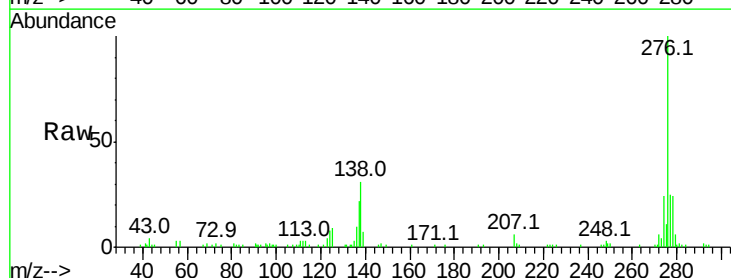
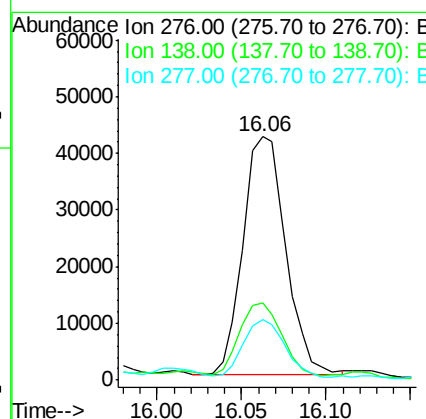
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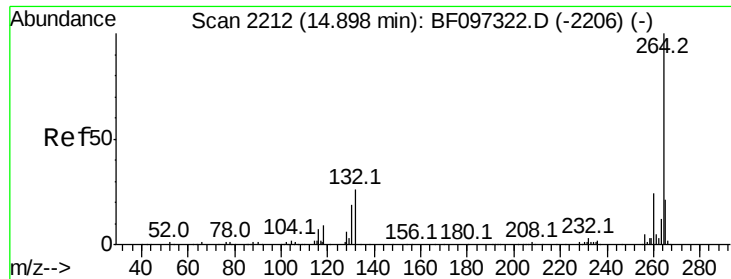
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.247 ng
RT: 16.06 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BF097443.D
Acq: 7 Aug 2017 21:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.0	27.8	41.6
277	23.9	20.2	30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 14.87 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BF097443.D

Acq: 7 Aug 2017 21:48

Instrument :

BNA_F

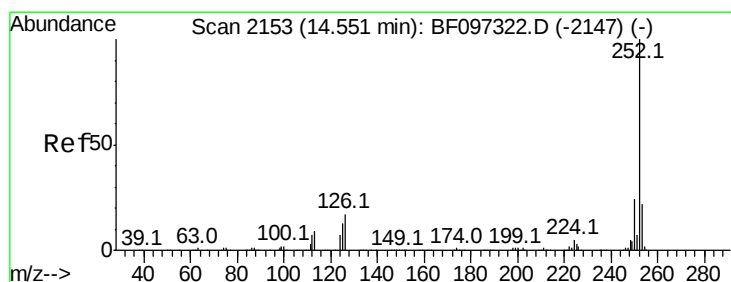
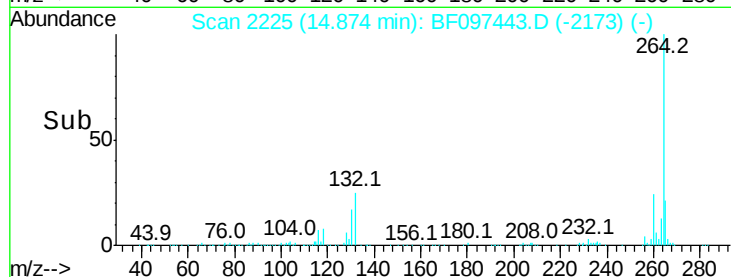
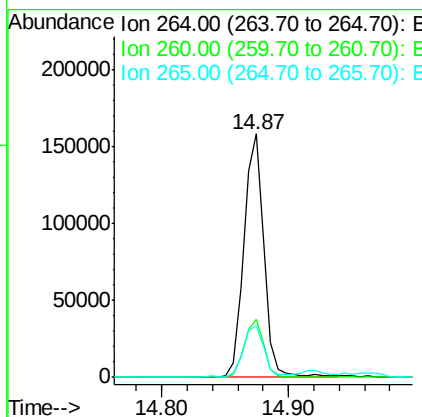
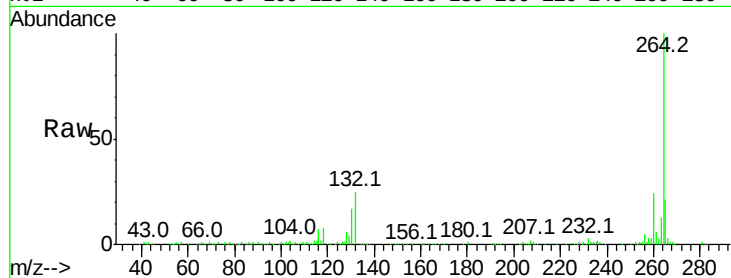
ClientSampleId :

TEC-WN

Tot Ion:	264	Resp:	171550
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.3	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 24.700 ng m

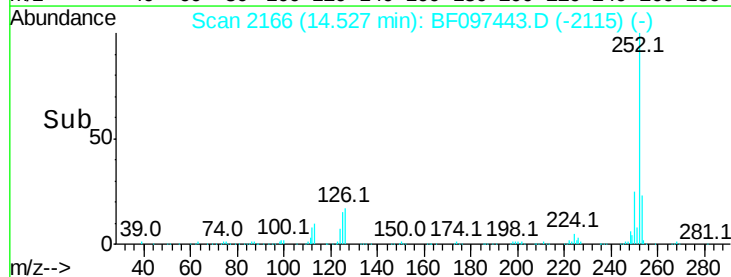
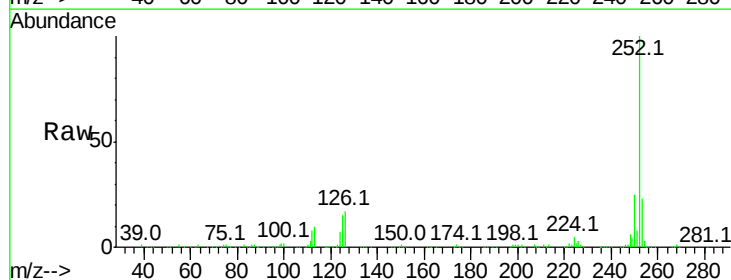
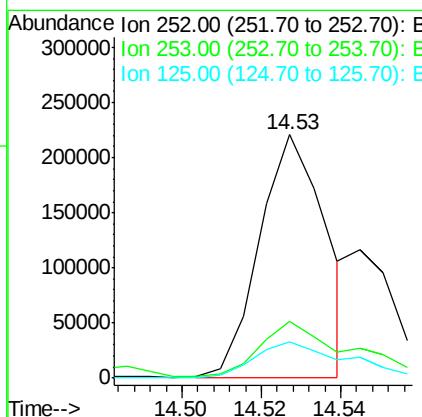
RT: 14.53 min Scan# 2166

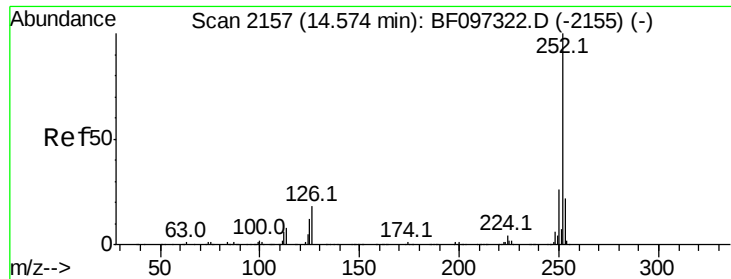
Delta R.T. 0.00 min

Lab File: BF097443.D

Acq: 7 Aug 2017 21:48

Tgt Ion:	252	Resp:	254715
Ion Ratio		Lower	Upper
252	100		
253	23.5	18.1	27.1
125	15.0	9.8	14.8#





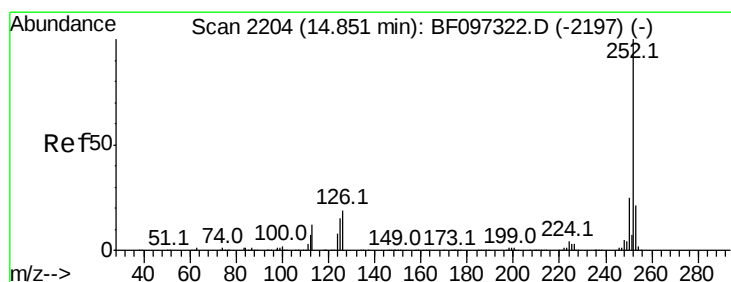
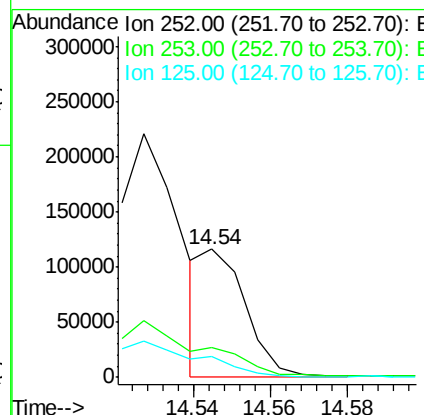
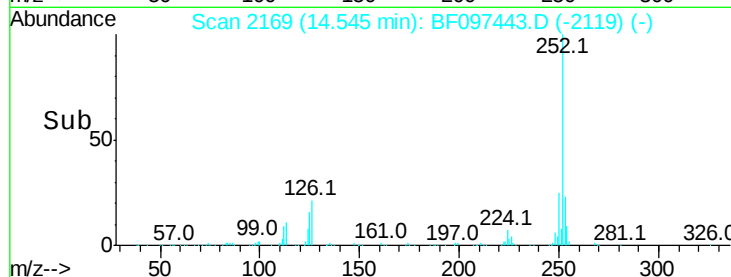
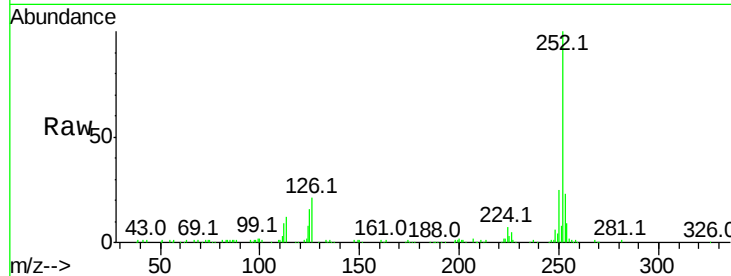
#88
Benzo(k)fluoranthene
Concen: 9.399 ng m
RT: 14.54 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF097443.D
Acq: 7 Aug 2017 21:48

Instrument :
BNA_F
ClientSampled :
TEC-WN

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	16.3	13.1	19.7

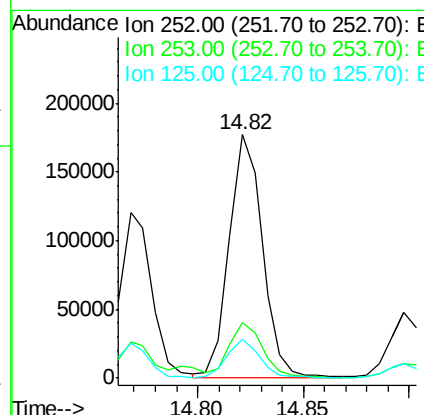
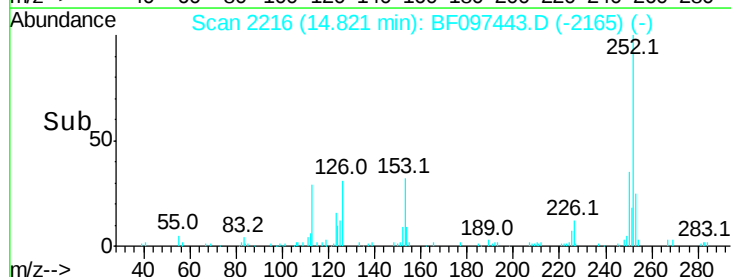
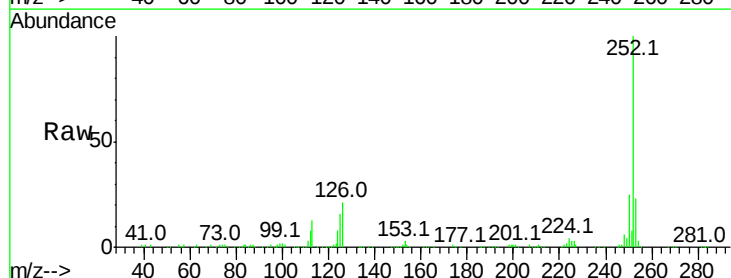
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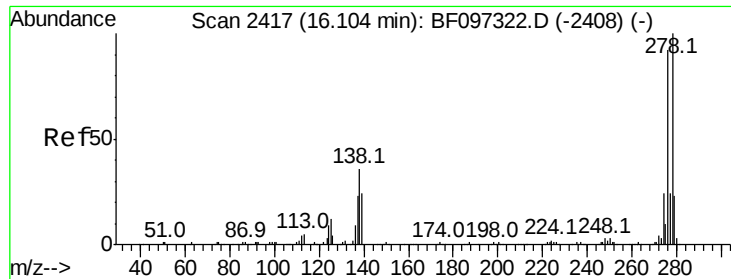
Sohil
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#89
Benzo(a)pyrene
Concen: 20.302 ng
RT: 14.82 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BF097443.D
Acq: 7 Aug 2017 21:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.8	11.0	16.4





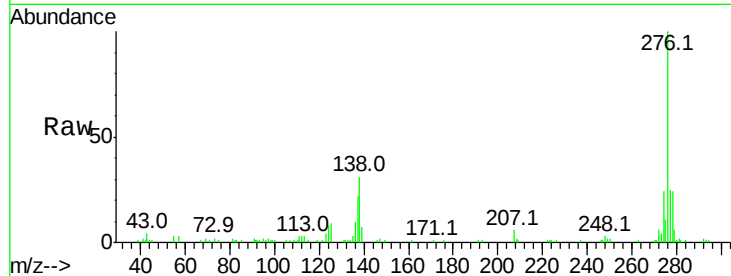
#90
Dibenzo(a,h)anthracene
Concen: 2.243 ng m
RT: 16.06 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BF097443.D
Acq: 7 Aug 2017 21:48

Instrument :
BNA_F
ClientSampled :
TEC-WN

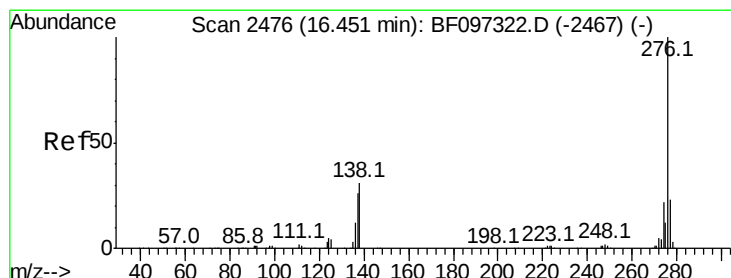
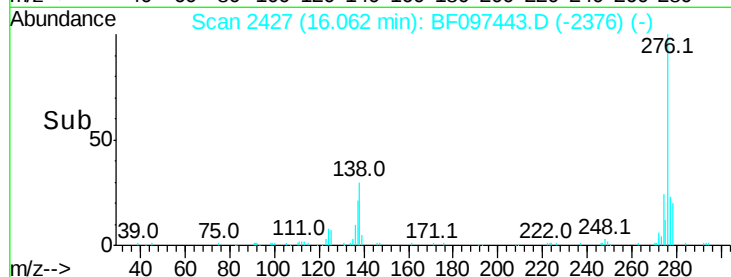
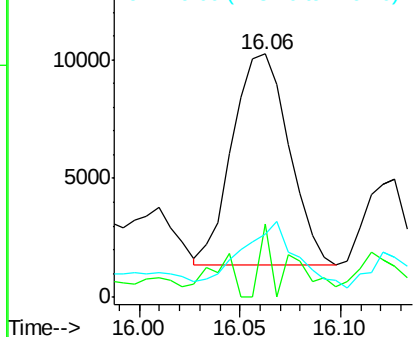
Tot Ion	Ratio	Lower	Upper
278	100		
139	30.3	16.6	24.8#
279	26.1	19.3	28.9

Manual Integrations
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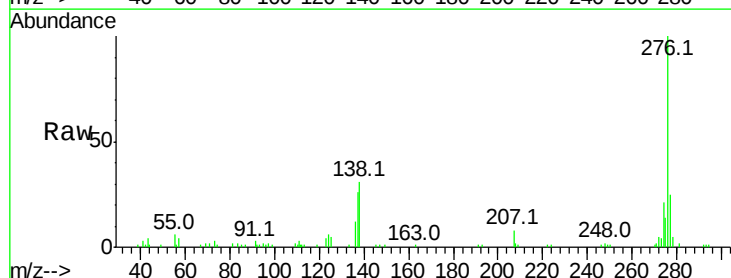


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 8.839 ng
RT: 16.42 min Scan# 2487
Delta R.T. 0.01 min
Lab File: BF097443.D
Acq: 7 Aug 2017 21:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	28.0
138	31.0	25.4	38.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

