

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
 Data File : BF097535.D
 Acq On : 10 Aug 2017 00:20
 Operator : SJ/JU
 Sample : I4677-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-WSW

Manual Integrations
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Sohil
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Quant Time: Aug 10 07:02:53 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	124852	20.00	ng	-0.01
21) Naphthalene-d8	7.68	136	452627	20.00	ng	-0.02
38) Acenaphthene-d10	9.42	164	200343	20.00	ng	-0.02
63) Phenanthrene-d10	10.90	188	250309	20.00	ng	-0.02
75) Chrysene-d12	13.52	240	185180	20.00	ng	-0.02
86) Perylene-d12	14.86	264	186629	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.99	112	670723	80.98	ng	-0.02
7) Phenol-d6	6.07	99	902904	95.49	ng	-0.02
23) Nitrobenzene-d5	6.97	82	521960	67.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.21	330	130450	82.41	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	753818	63.86	ng	-0.02
78) Terphenyl-d14	12.47	244	428521	47.18	ng	-0.02
Target Compounds						
31) Naphthalene	7.70	128	140912	6.604	ng	98
37) 2-Methylnaphthalene	8.40	142	47570	3.521	ng	94
49) Dimethylphthalate	9.16	163	115629	7.600	ng	100
51) Acenaphthene	9.46	154	34108	2.996	ng	98
54) Dibenzofuran	9.63	168	35468	2.339	ng	# 95
57) Fluorene	9.97	166	29126	2.555	ng	# 95
70) Phenanthrene	10.92	178	368793	27.498	ng	98
71) Anthracene	10.97	178	119249	8.681	ng	98
72) Carbazole	11.14	167	43392	3.212	ng	100
74) Fluoranthene	12.10	202	493208	37.538	ng	98
77) Pyrene	12.33	202	497757	32.833	ng	100
80) Benzo(a)anthracene	13.52	228	290143	24.215	ng	97
82) Chrysene	13.55	228	295402m	25.248	ng	
85) Indeno(1,2,3-cd)pyrene	16.05	276	209160	20.848	ng	94
87) Benzo(b)fluoranthene	14.52	252	440164m	39.235	ng	
88) Benzo(k)fluoranthene	14.54	252	125141m	11.706	ng	
89) Benzo(a)pyrene	14.82	252	365164	35.565	ng	98
90) Dibenzo(a,h)anthracene	16.05	278	47820m	5.679	ng	
91) Benzo(a,h,i)perylene	16.40	276	198363	22.465	ng	97

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

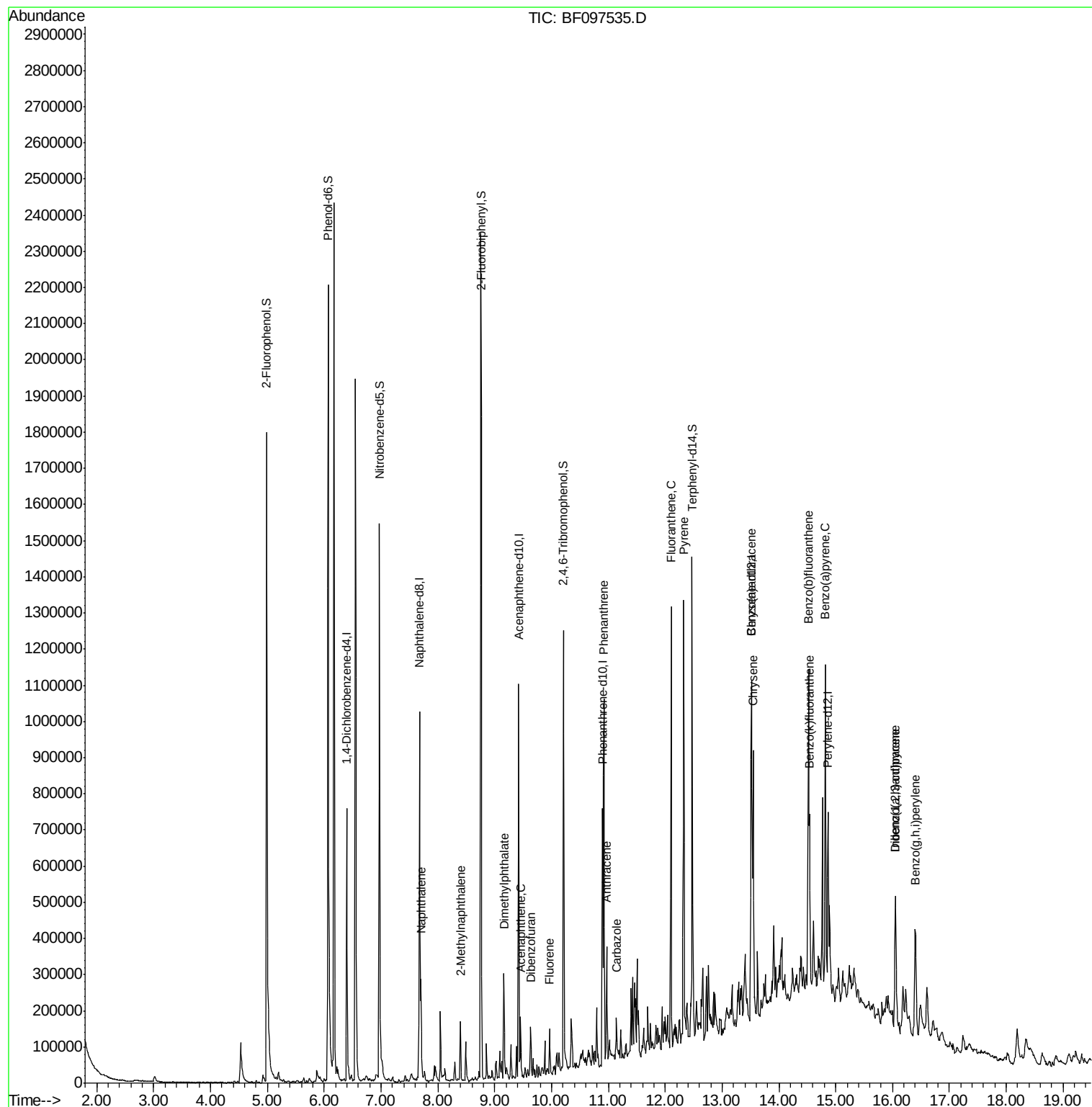
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080917\
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ALS Vial : 14 Sample Multiplier: 1

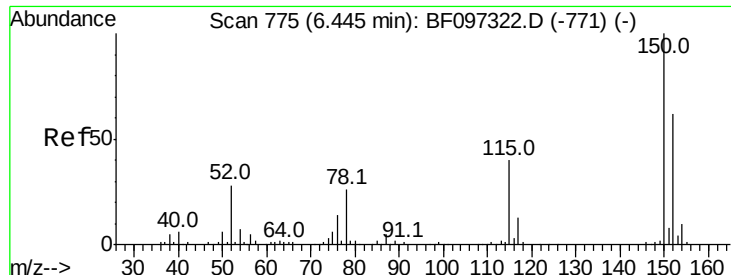
Instrument :
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#1

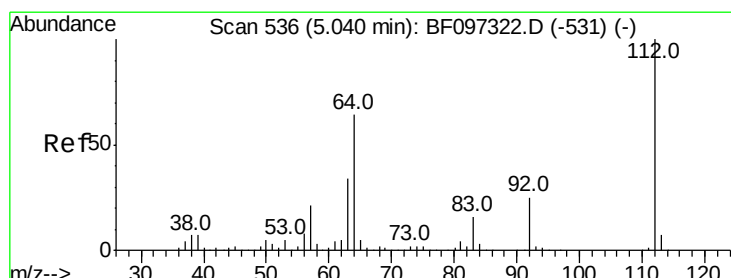
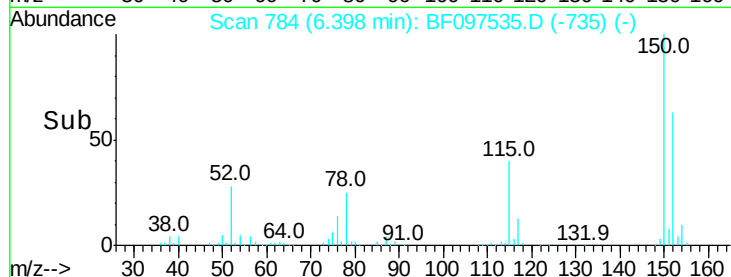
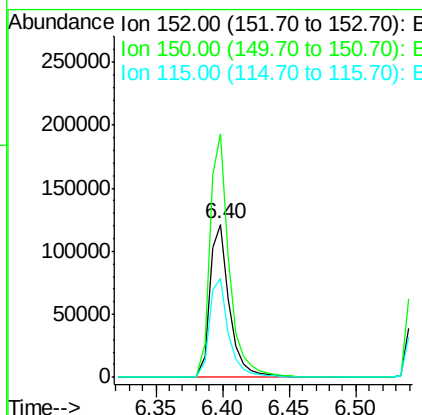
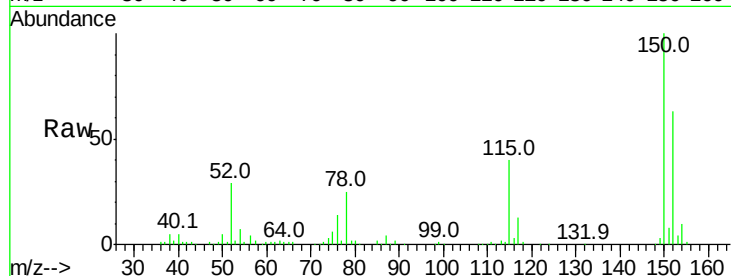
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
E2-D10-WSW

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.2	189.2
115	64.3	52.2	78.2

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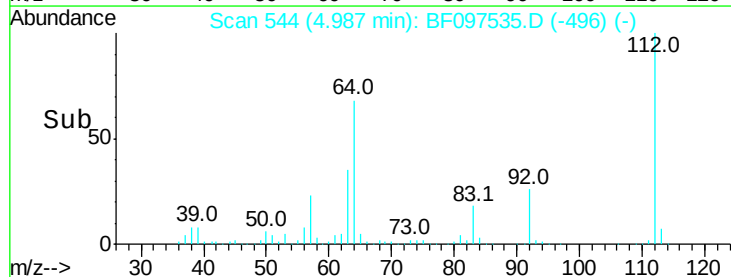
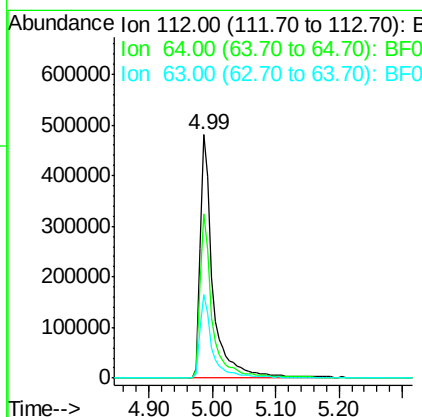
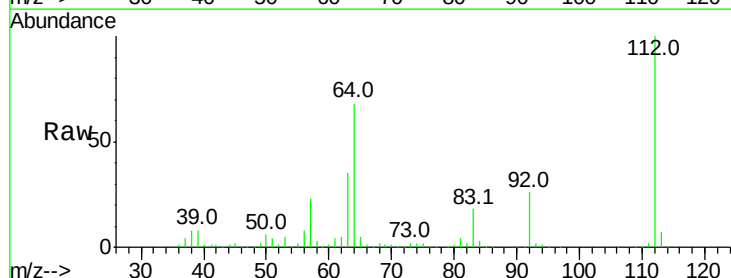
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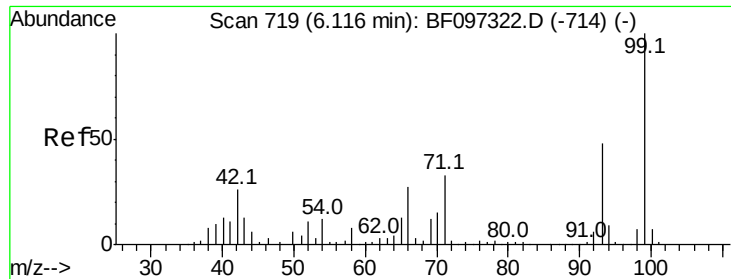


#5

2-Fluorophenol
Concen: 80.984 ng
RT: 4.99 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	46.0	69.0
63	34.6	23.4	35.0





#7

Phenol-d6

Concen: 95.495 ng

RT: 6.07 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097535.D

Acq: 10 Aug 2017 00:20

Instrument :

BNA_F

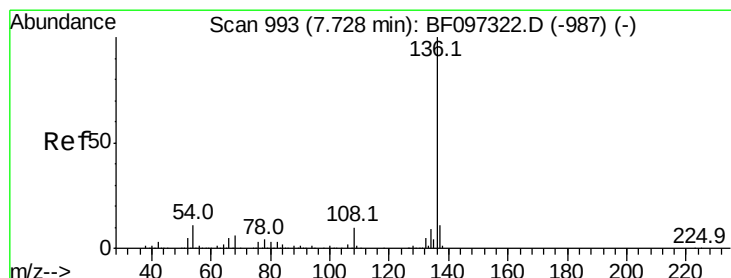
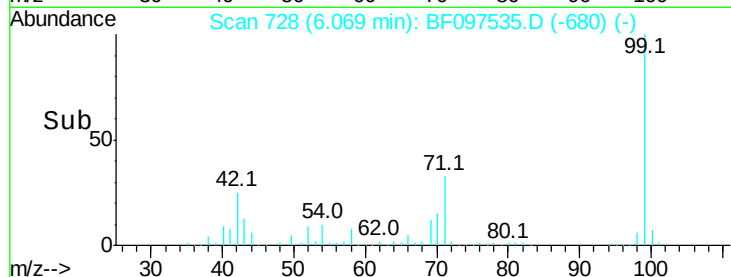
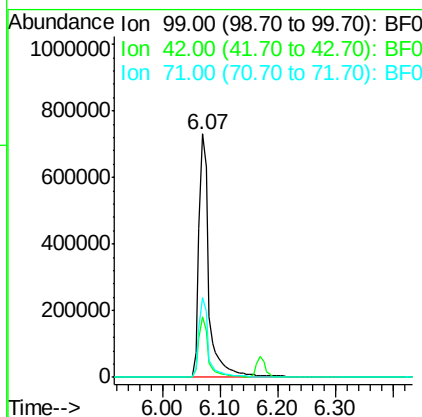
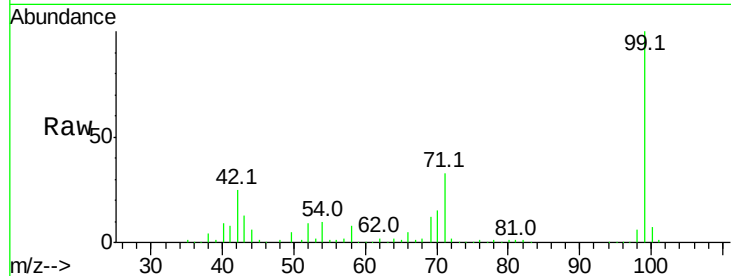
ClientSampleId :

E2-D10-WSW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		902904		
42	24.7	13.5	20.3#		
71	32.8	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

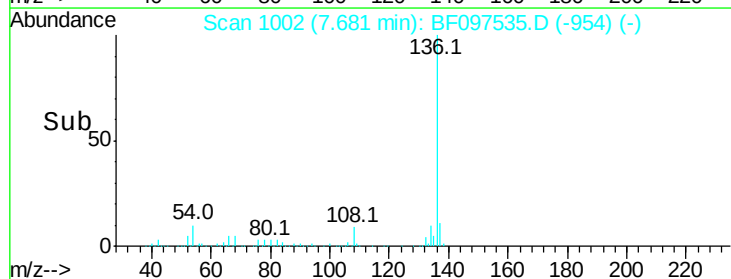
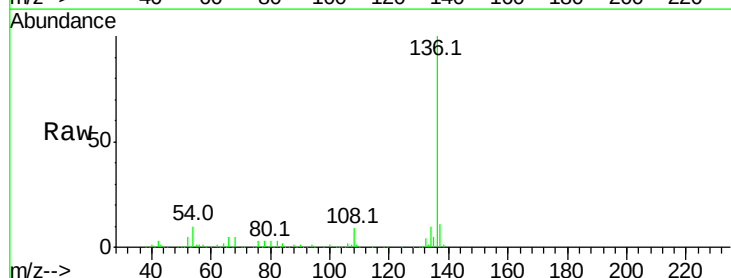
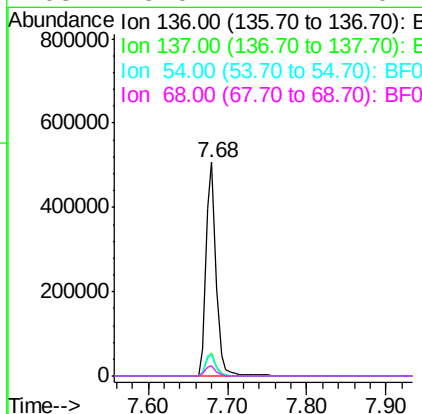
RT: 7.68 min Scan# 1002

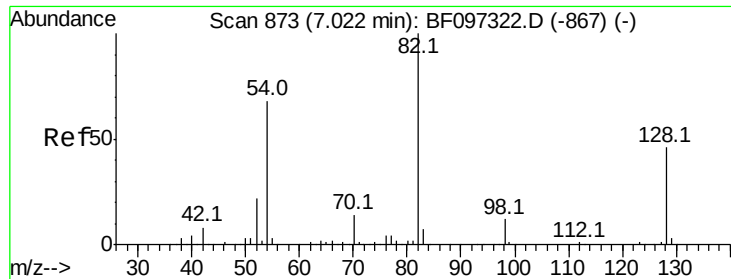
Delta R.T. -0.02 min

Lab File: BF097535.D

Acq: 10 Aug 2017 00:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		452627		
137	10.5	8.5	12.7		
54	9.7	4.9	7.3#		
68	5.0	4.1	6.1		





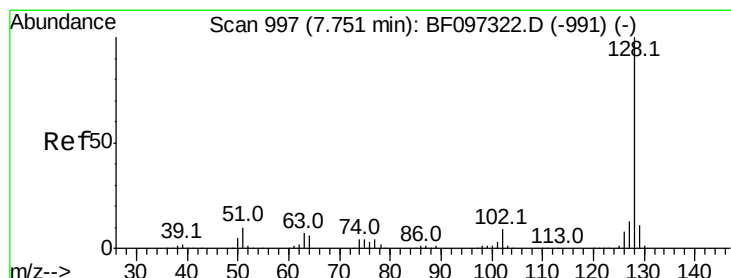
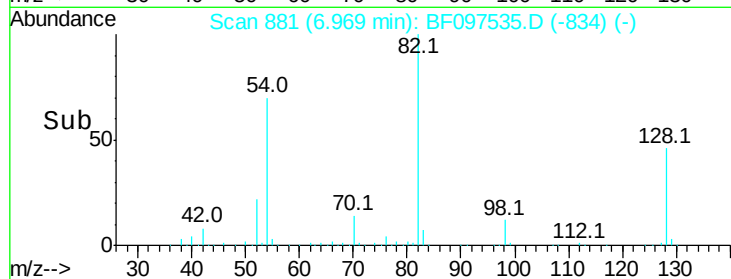
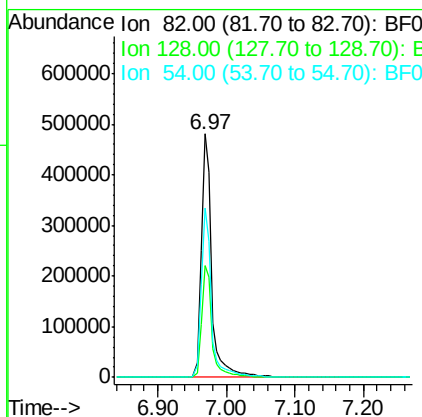
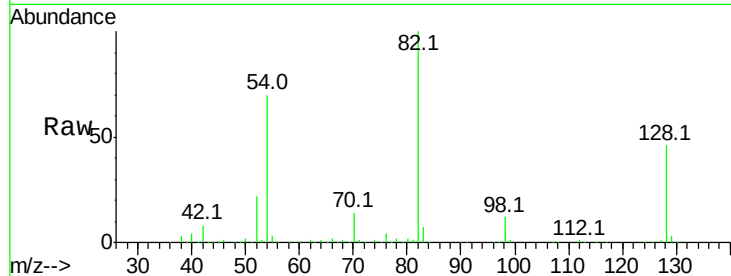
#23
Nitrobenzene-d5
Concen: 67.650 ng
RT: 6.97 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
E2-D10-WSW

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.0	34.0	51.0
54	69.7	42.2	63.2

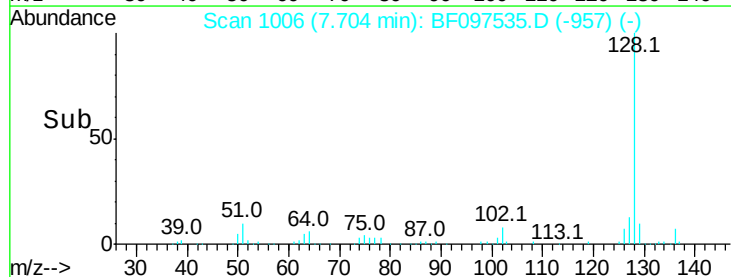
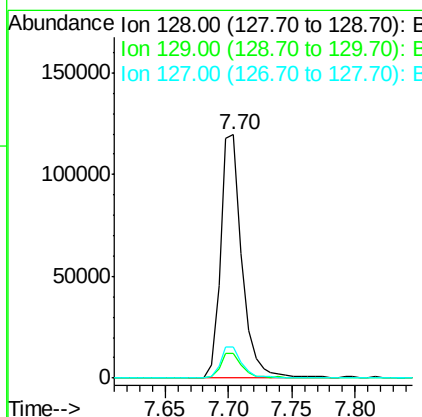
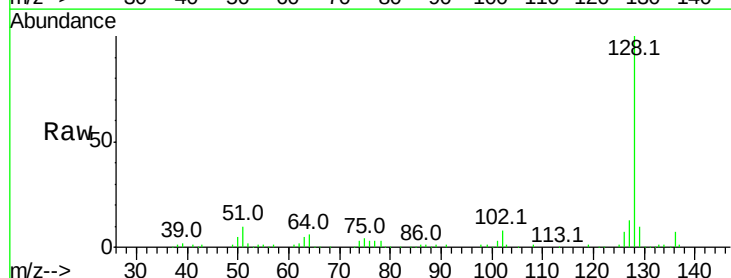
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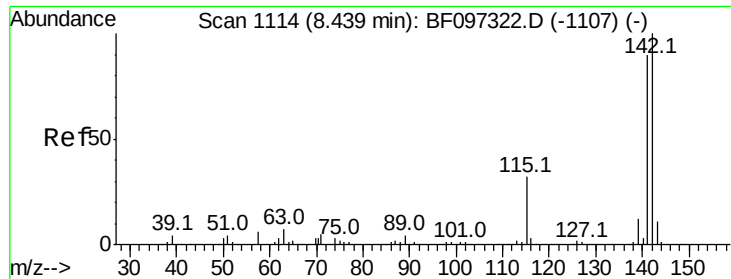
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#31
Naphthalene
Concen: 6.604 ng
RT: 7.70 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.2	9.0	13.6
127	12.9	10.8	16.2





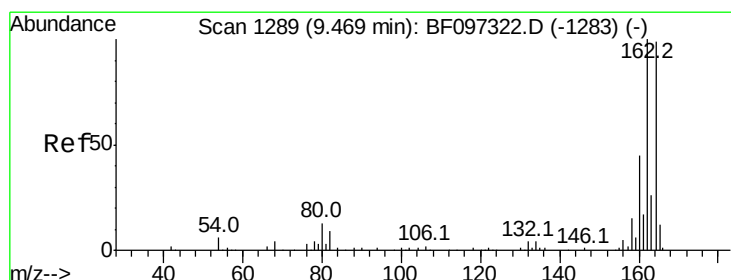
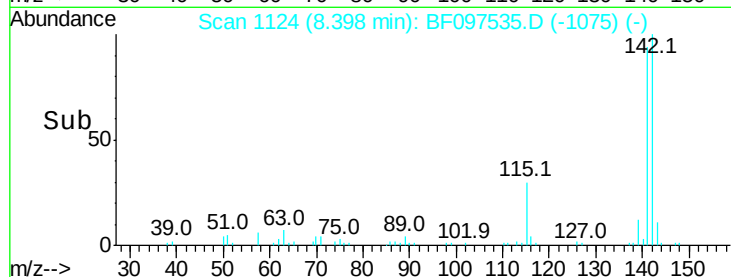
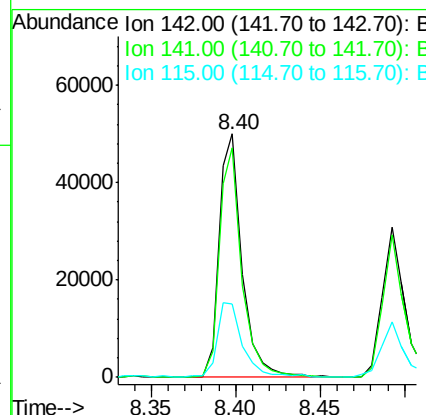
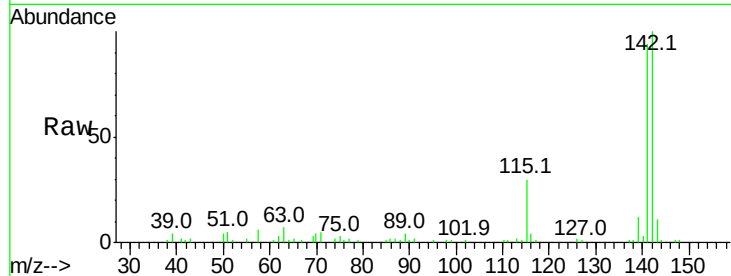
#37
 2-Methylnaphthalene
 Concen: 3.521 ng
 RT: 8.40 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF097535.D
 Acq: 10 Aug 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-WSW

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.4	71.3	106.9
115	30.1	27.1	40.7

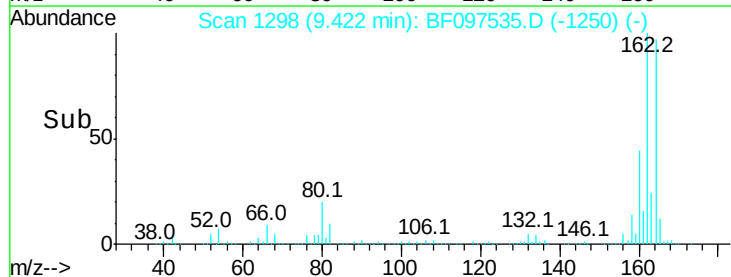
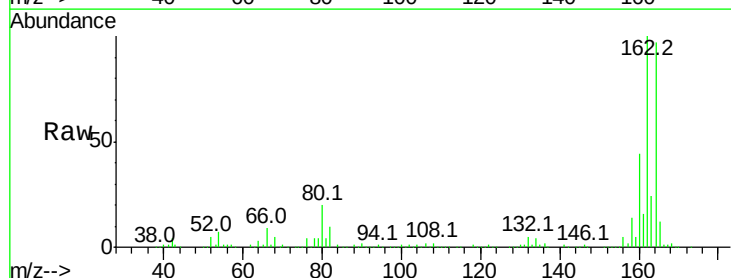
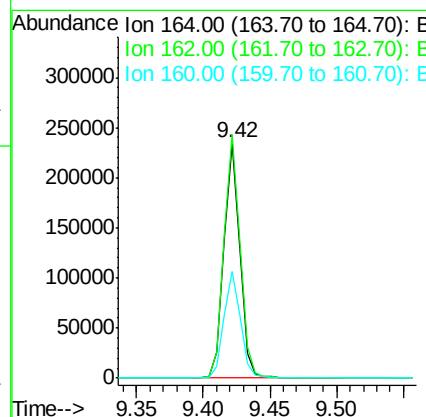
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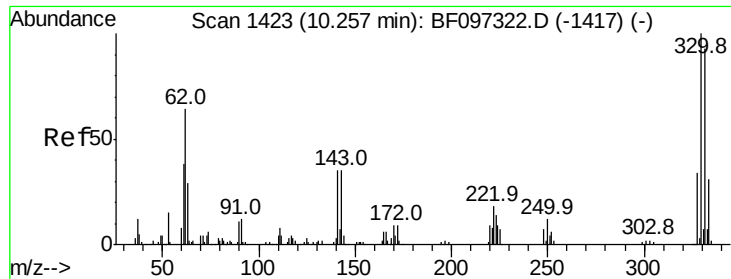
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.42 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF097535.D
 Acq: 10 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	45.4	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 82.412 ng

RT: 10.21 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF097535.D

Acq: 10 Aug 2017 00:20

Instrument :

BNA_F

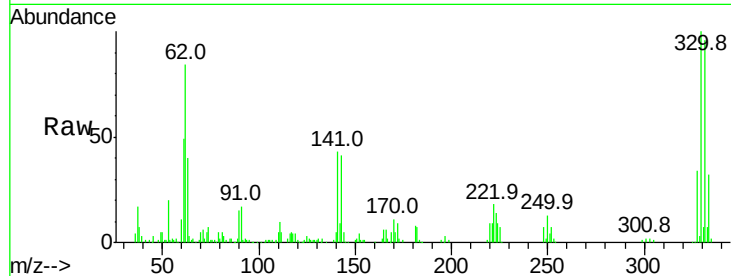
ClientSampleId :

E2-D10-WSW

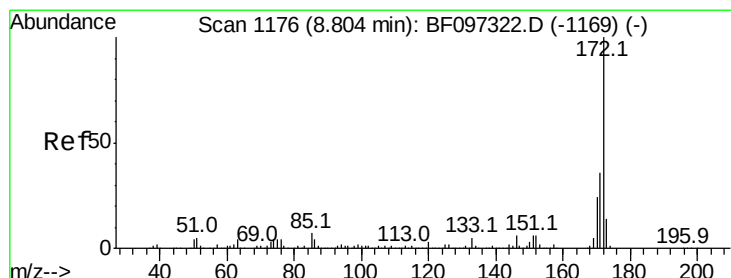
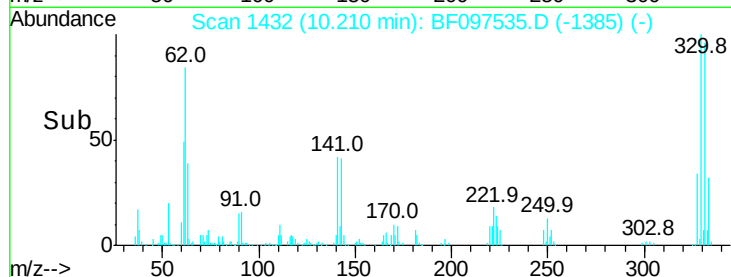
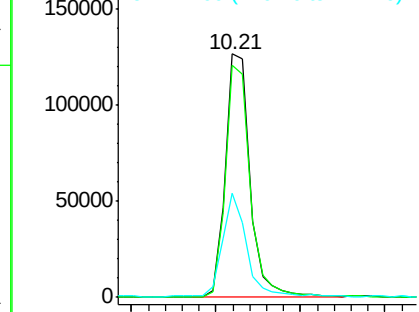
Tot Ion:	330	Resp:	130450
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.6	115.0
141	43.2	31.4	47.2

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



#44

2-Fluorobiphenyl

Concen: 63.856 ng

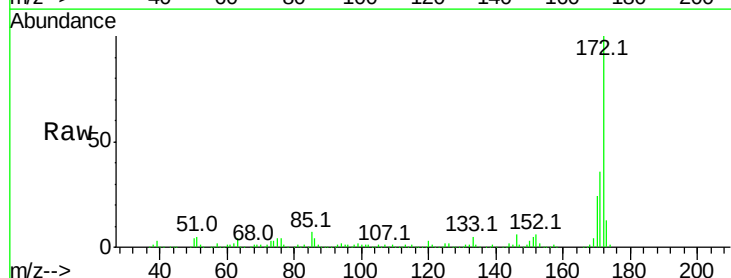
RT: 8.76 min Scan# 1185

Delta R.T. -0.02 min

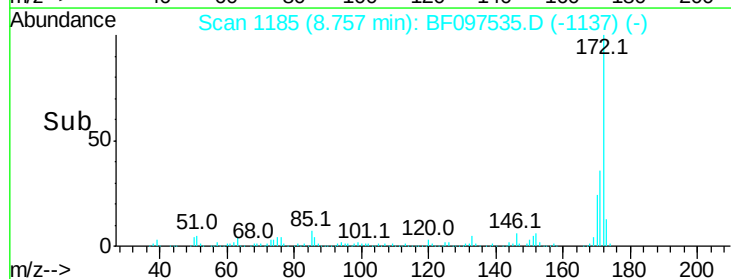
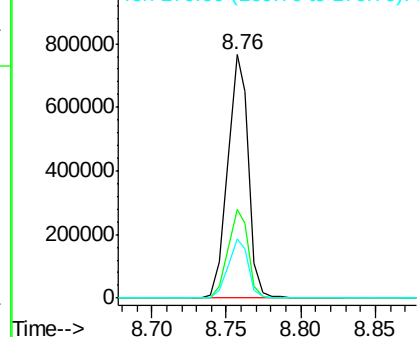
Lab File: BF097535.D

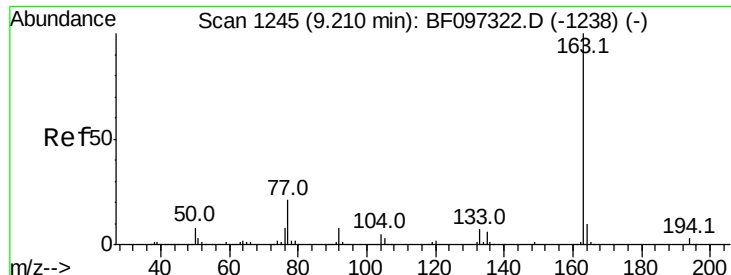
Acq: 10 Aug 2017 00:20

Tgt Ion:	172	Resp:	753818
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.6	44.4
170	24.3	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





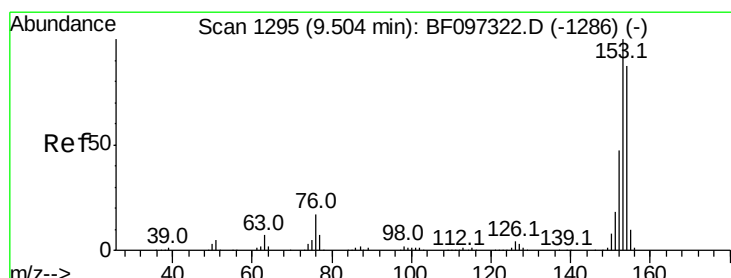
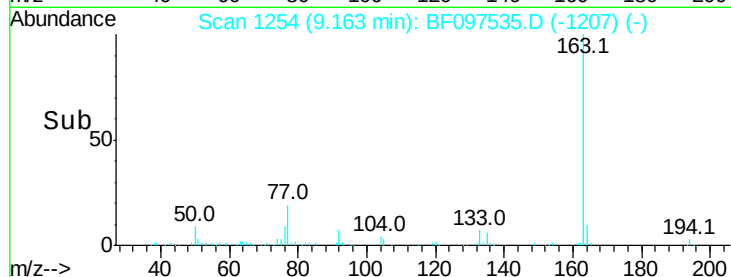
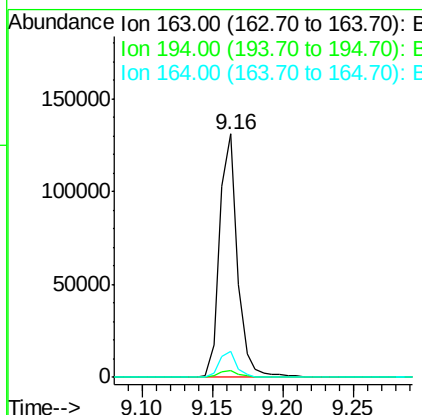
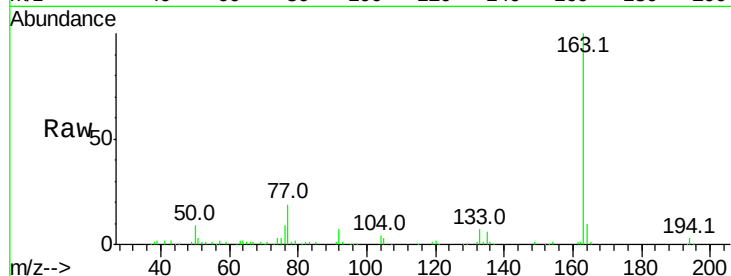
#49
Dimethylphthalate
Concen: 7.600 ng
RT: 9.16 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
E2-D10-WSW

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.7	2.6	4.0	
164	10.5	8.4	12.6	

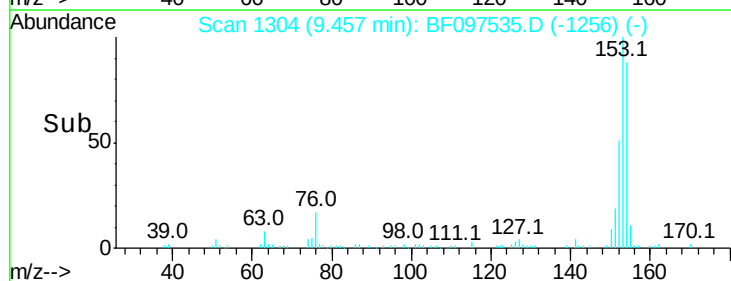
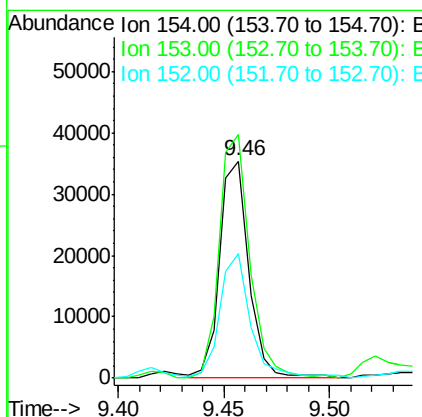
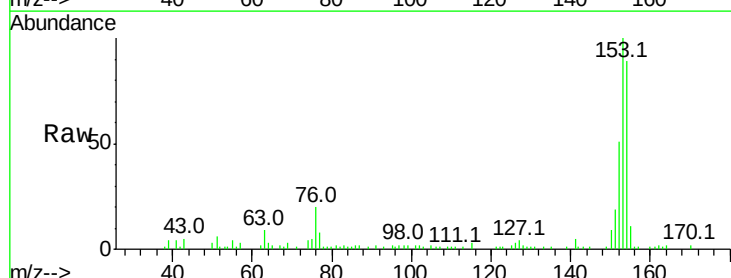
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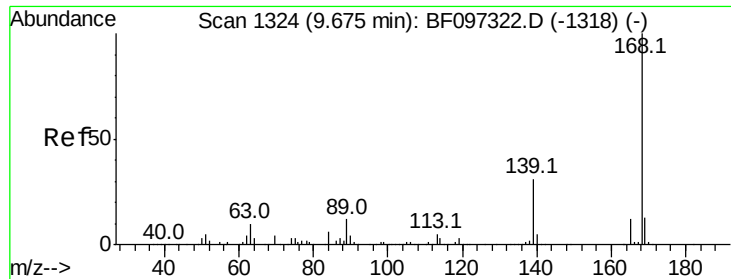
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#51
Acenaphthene
Concen: 2.996 ng
RT: 9.46 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.1	90.5	135.7	
152	57.3	43.6	65.4	





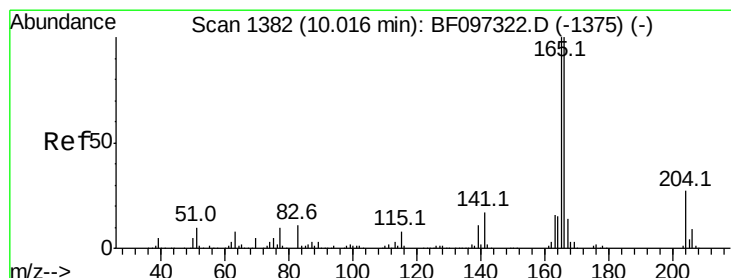
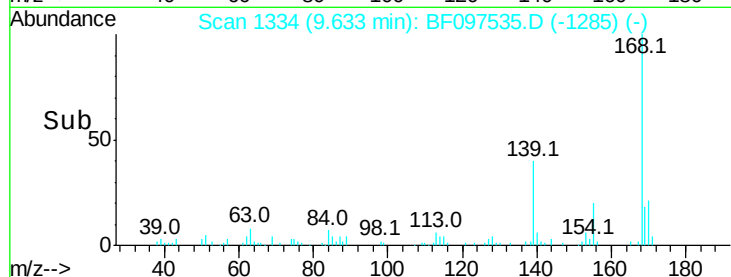
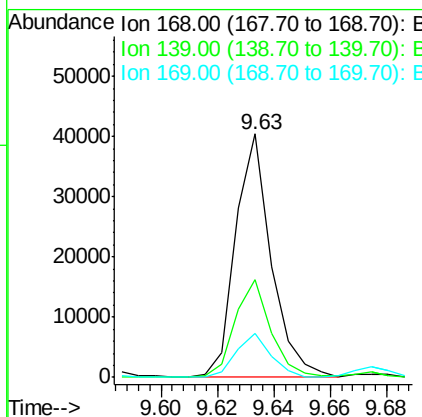
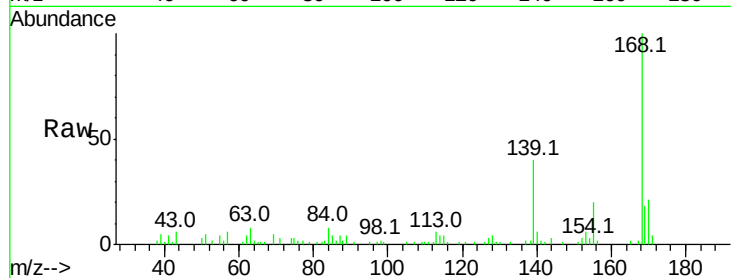
#54
Dibenzenofuran
 Concen: 2.339 ng
 RT: 9.63 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BF097535.D
 Acq: 10 Aug 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-WSW

Tot Ion:	168	Resp:	35468
Ion Ratio	Lower	Upper	
168	100		
139	39.9	30.6	45.8
169	18.3	10.8	16.2#

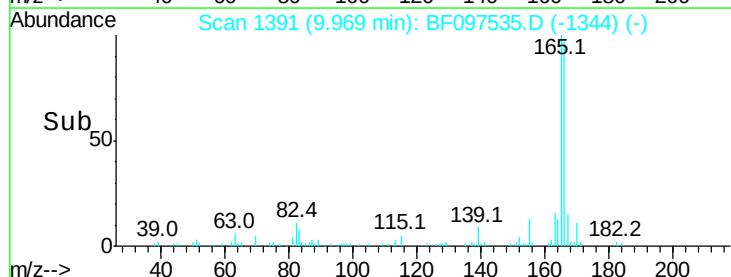
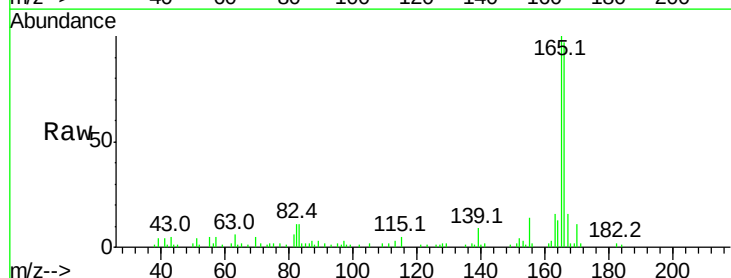
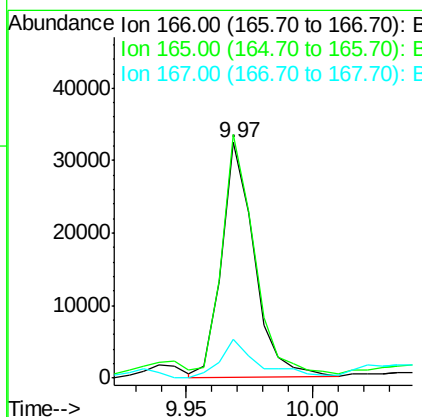
Manual Integrations
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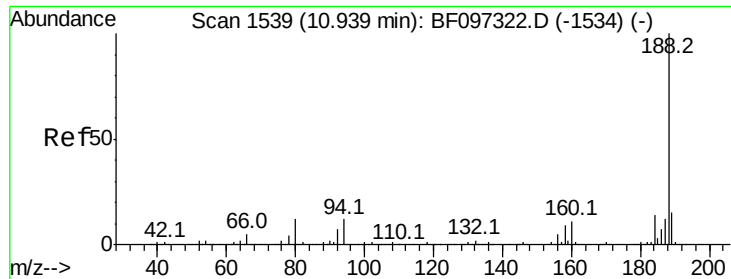
Sohil
 8/10/2017 6:07:53 PM



#57
Fluorene
 Concen: 2.555 ng
 RT: 9.97 min Scan# 1391
 Delta R.T. -0.02 min
 Lab File: BF097535.D
 Acq: 10 Aug 2017 00:20

Tgt Ion:	166	Resp:	29126
Ion Ratio	Lower	Upper	
166	100		
165	103.4	78.8	118.2
167	16.3	10.6	16.0#





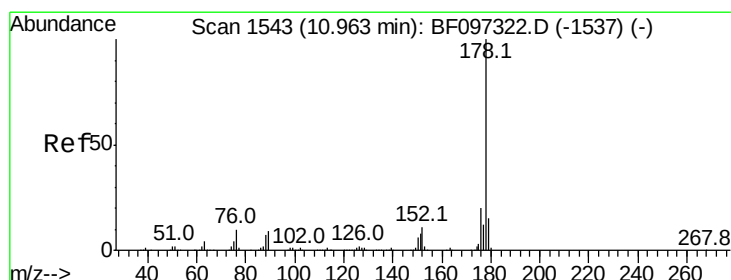
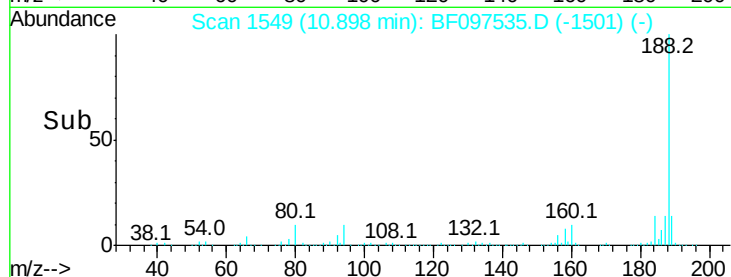
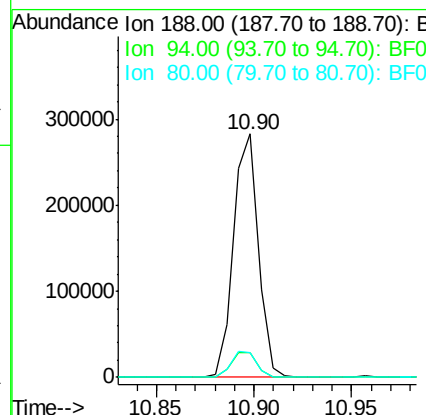
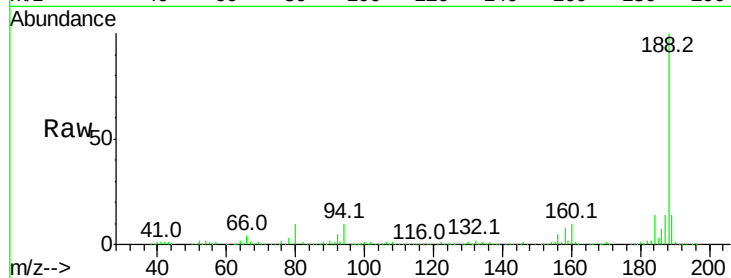
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.90 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF097535.D
 Acq: 10 Aug 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-WSW

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.1	10.2	15.2#

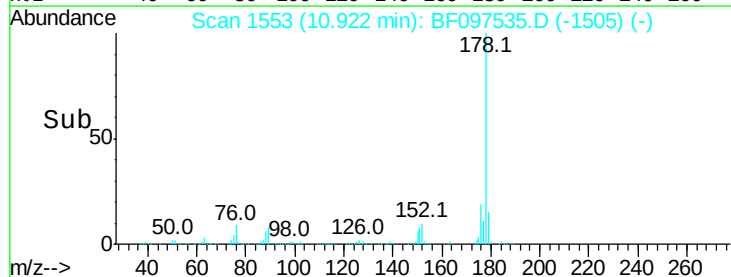
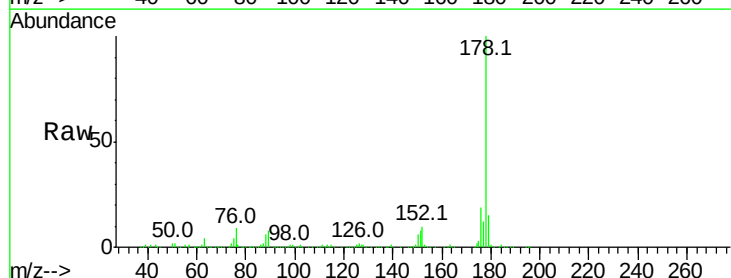
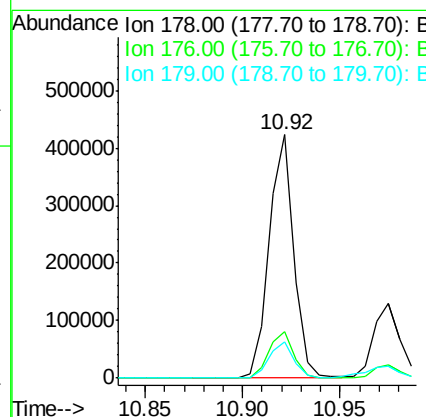
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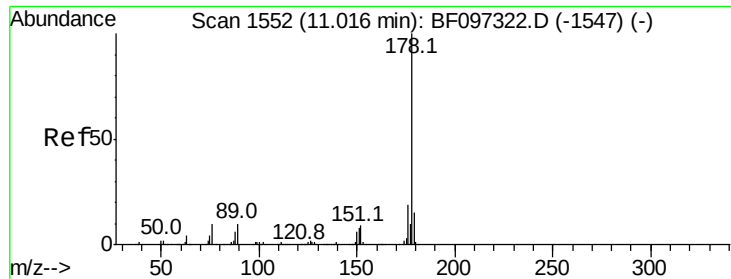
Sohil
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#70
 Phenanthrene
 Concen: 27.498 ng
 RT: 10.92 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF097535.D
 Acq: 10 Aug 2017 00:20

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.1	12.6	19.0





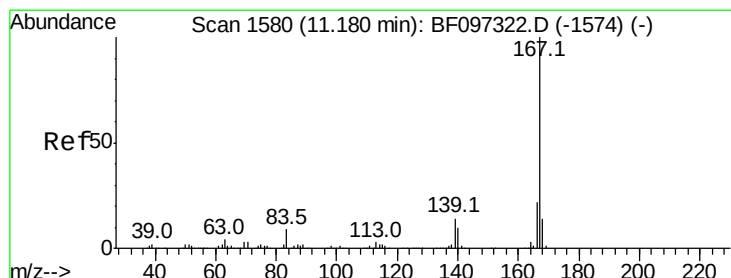
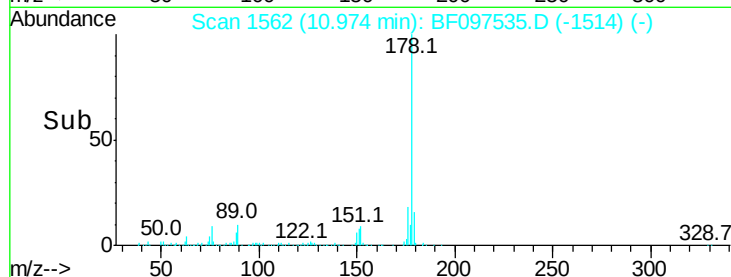
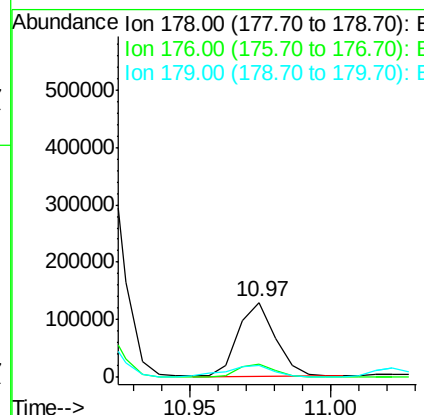
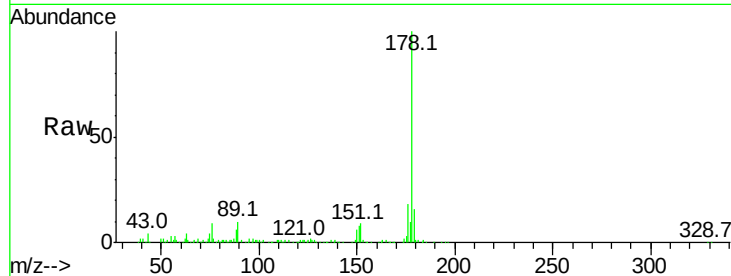
#71
 Anthracene
 Concen: 8.681 ng
 RT: 10.97 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF097535.D
 Acq: 10 Aug 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-WSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	16.2	12.7	19.1

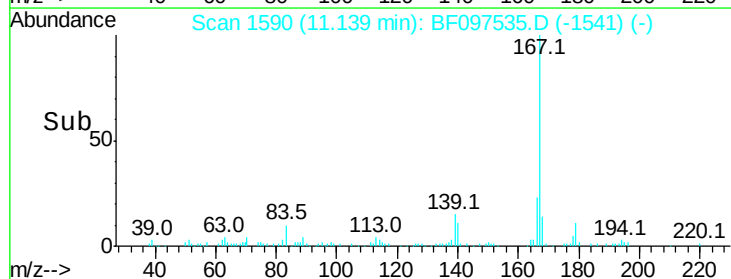
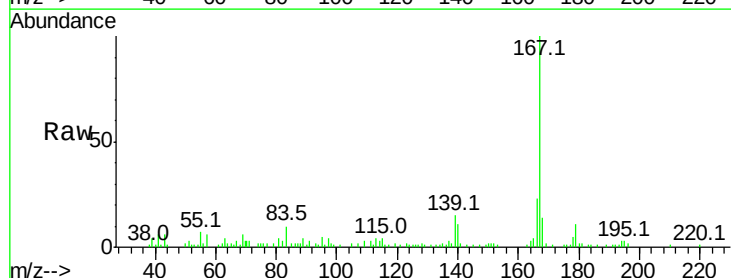
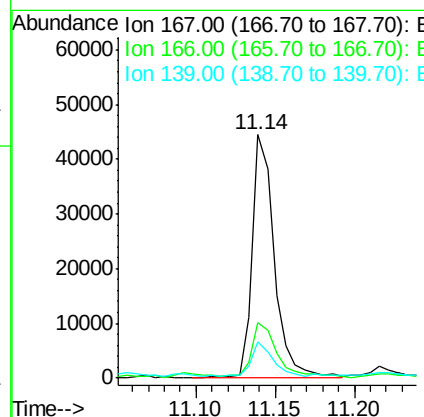
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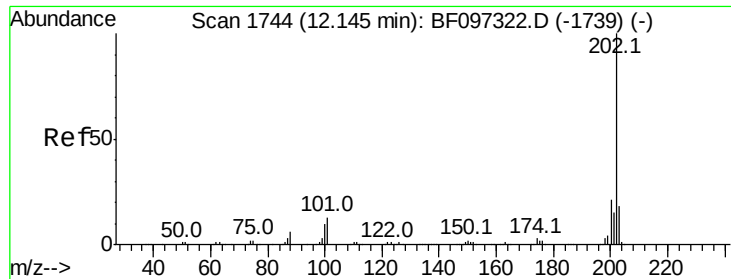
Sohil
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#72
 Carbazole
 Concen: 3.212 ng
 RT: 11.14 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF097535.D
 Acq: 10 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	18.1	27.1
139	14.9	11.7	17.5





#74

Fluoranthene

Concen: 37.538 ng

RT: 12.10 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097535.D

Acq: 10 Aug 2017 00:20

Instrument :

BNA_F

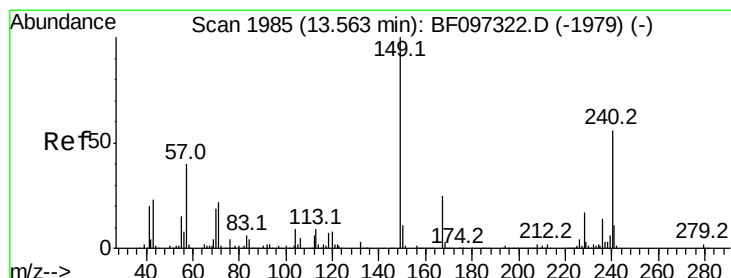
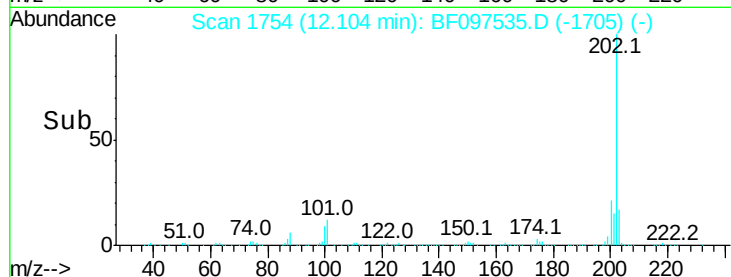
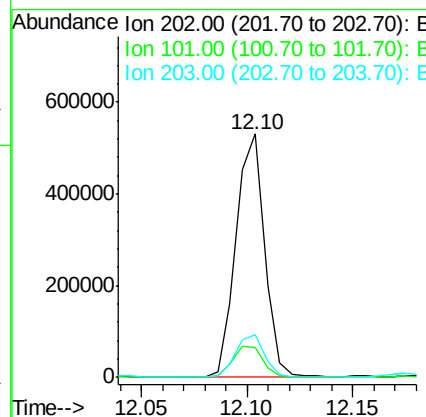
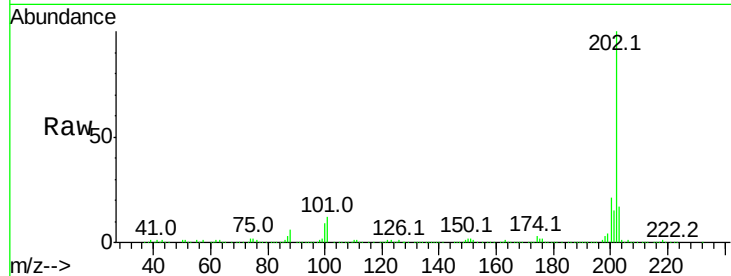
ClientSampleId :

E2-D10-WSW

Tot Ion	Ratio	Resp	Lower	Upper
202	100	493208		
101	12.3	0.0	33.2	
203	17.4	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

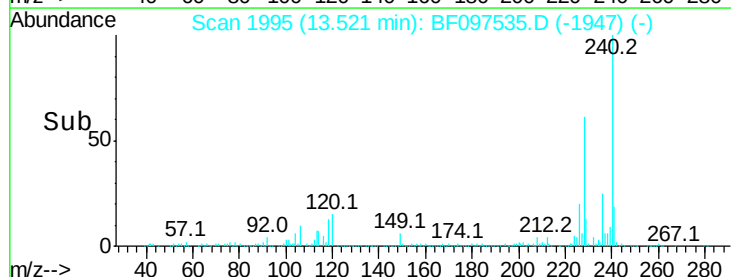
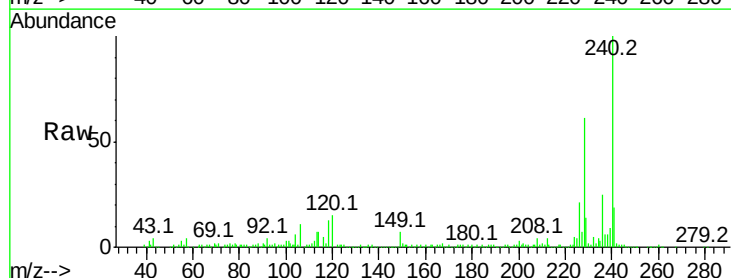
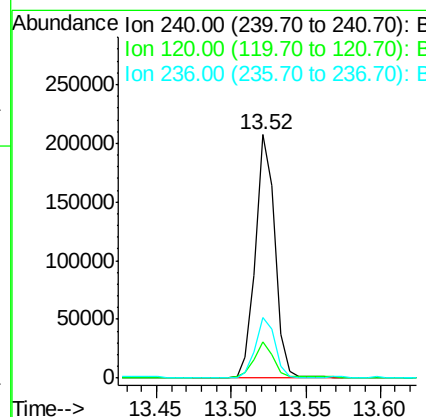
RT: 13.52 min Scan# 1995

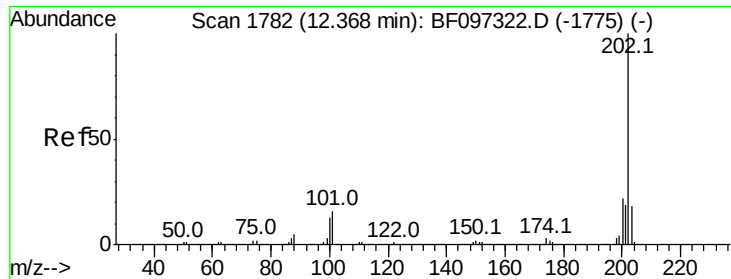
Delta R.T. -0.02 min

Lab File: BF097535.D

Acq: 10 Aug 2017 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	185180		
120	14.7	5.8	8.8#	
236	24.8	20.5	30.7	





#77

Pvrene

Concen: 32.833 ng

RT: 12.33 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097535.D

Acq: 10 Aug 2017 00:20

Instrument :

BNA_F

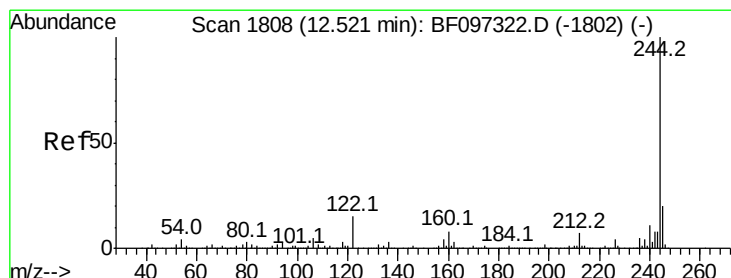
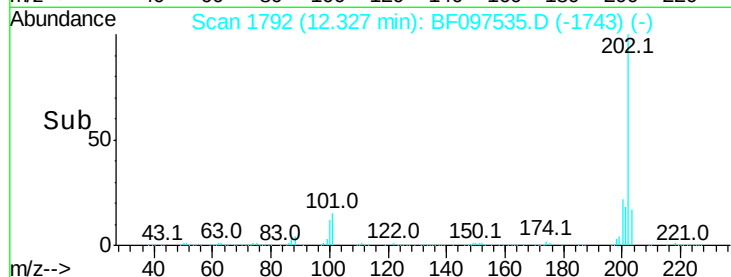
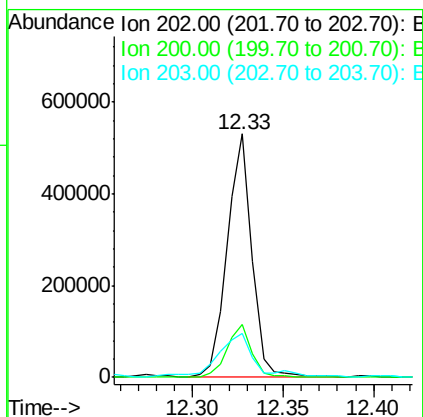
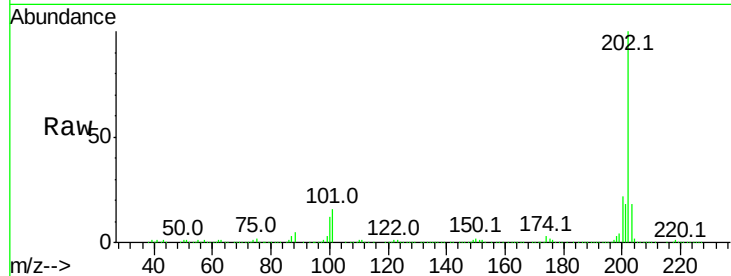
ClientSampleId :

E2-D10-WSW

Tot Ion:202	Resp:	497757
Ion Ratio	Lower	Upper
202 100		
200 21.8	17.6	26.4
203 17.8	14.4	21.6

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#78

Terphenyl-d14

Concen: 47.181 ng

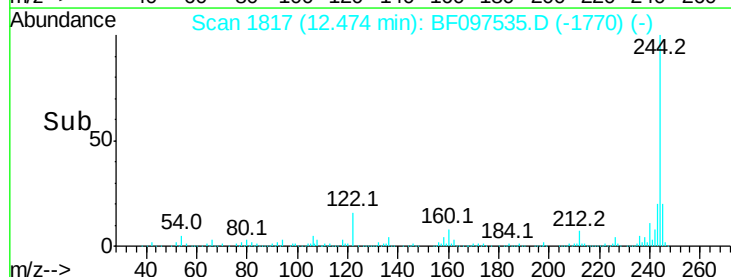
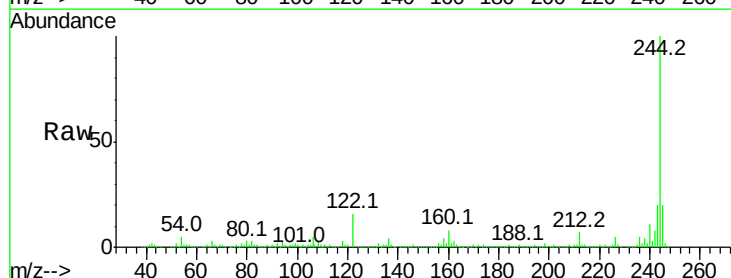
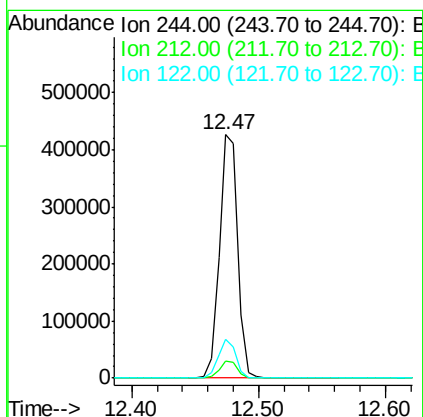
RT: 12.47 min Scan# 1817

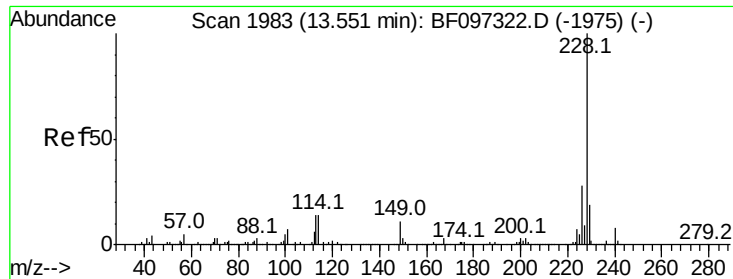
Delta R.T. -0.02 min

Lab File: BF097535.D

Acq: 10 Aug 2017 00:20

Tgt Ion:244	Resp:	428521
Ion Ratio	Lower	Upper
244 100		
212 7.0	6.0	9.0
122 16.0	10.3	15.5#





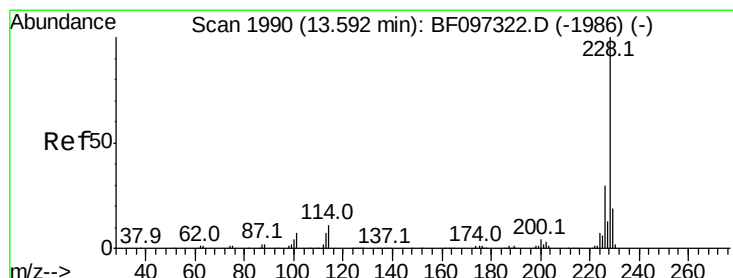
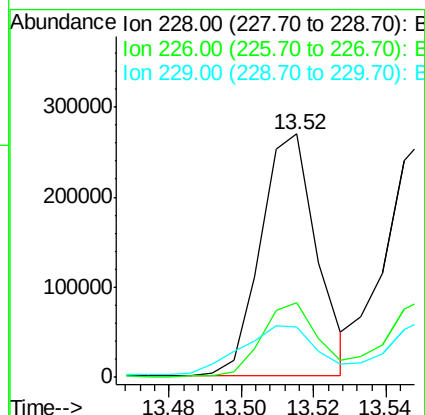
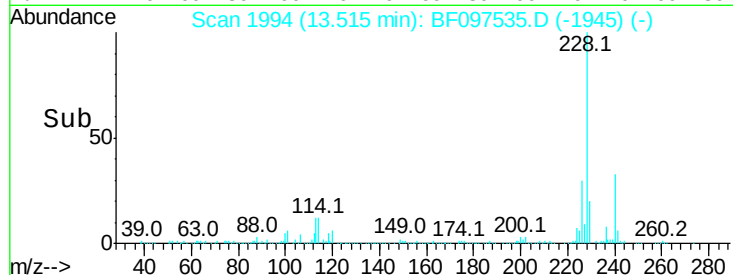
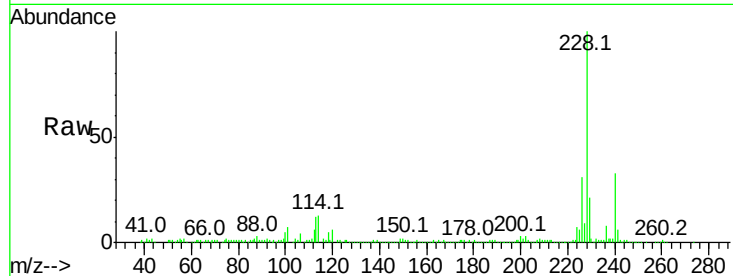
#80
Benzo(a)anthracene
Concen: 24.215 ng
RT: 13.52 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
E2-D10-WSW

Tot Ion:	228	Resp:	290143
Ion Ratio	Lower	Upper	
228	100		
226	30.7	22.6	33.8
229	20.8	16.3	24.5

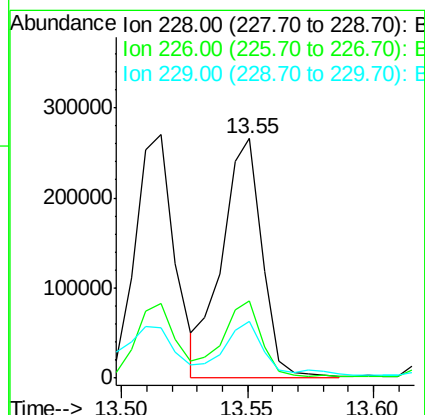
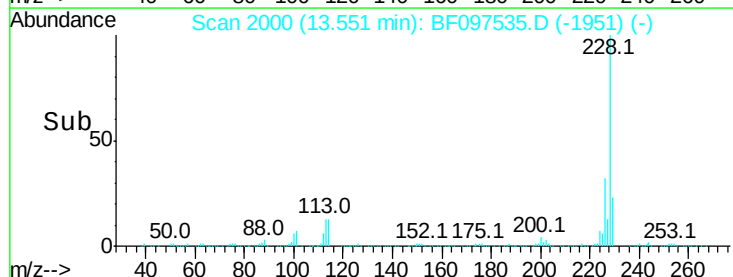
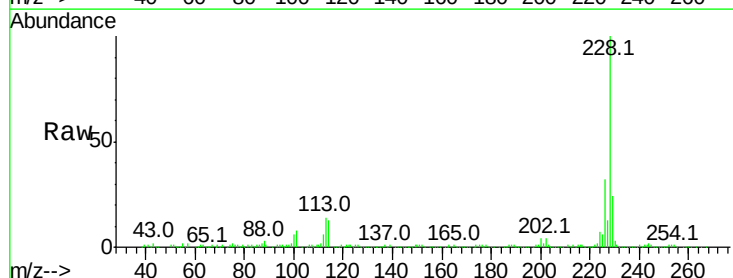
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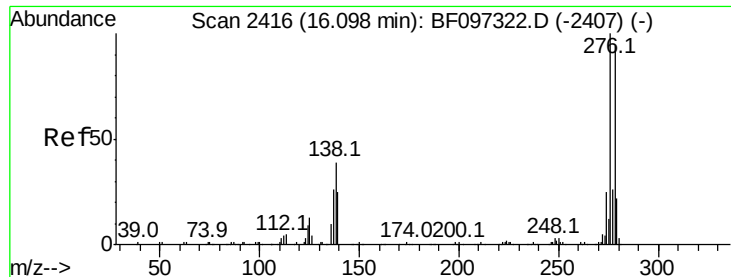
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#82
Chrysene
Concen: 25.248 ng m
RT: 13.55 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Tgt Ion:	228	Resp:	295402
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.9	37.3
229	23.7	15.8	23.6#





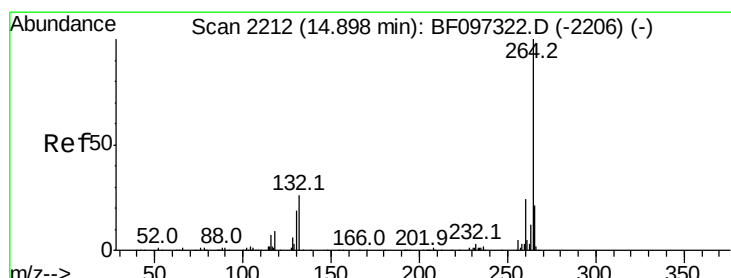
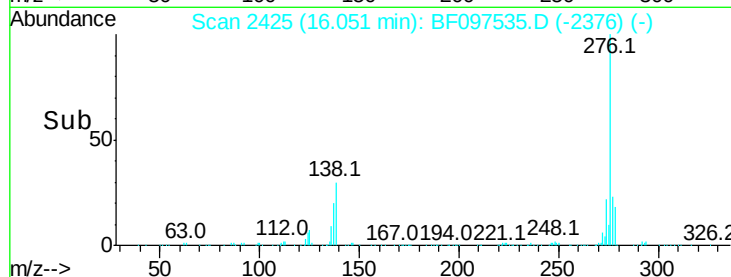
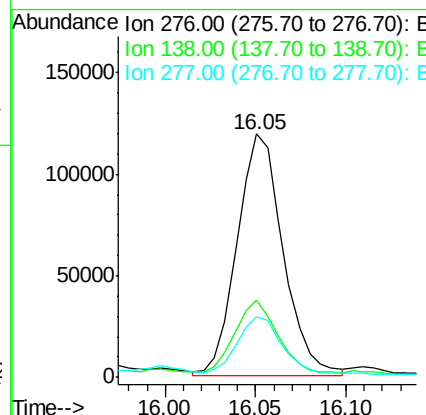
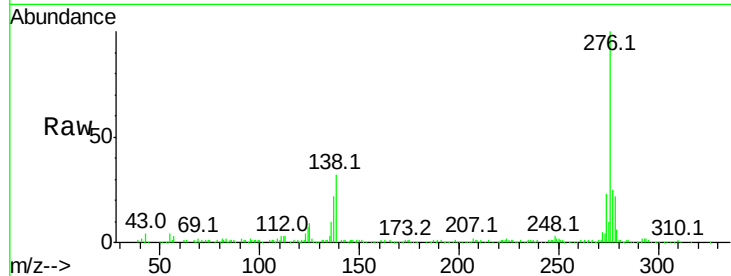
#85
Indeno(1,2,3-cd)pyrene
Concen: 20.848 ng
RT: 16.05 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
E2-D10-WSW

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	27.8	41.6
277	24.0	20.2	30.4

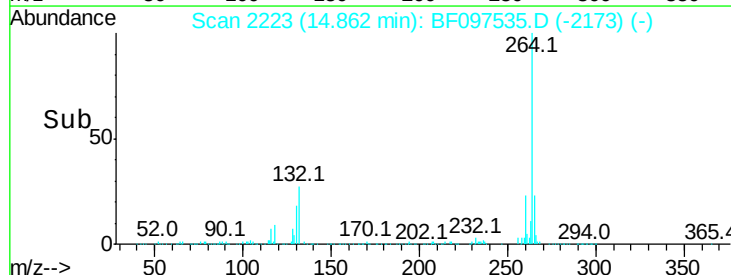
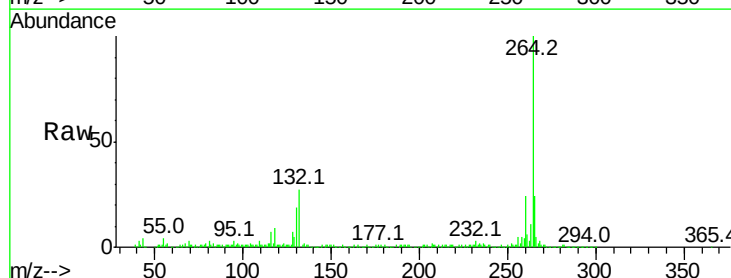
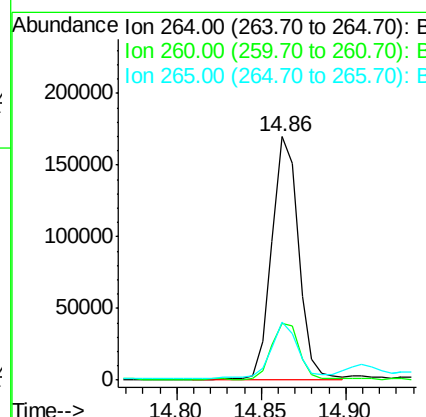
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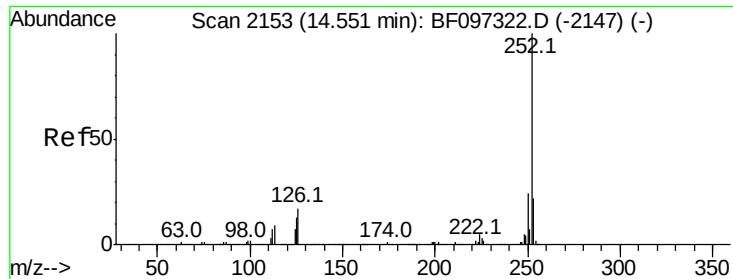
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.86 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	23.8	17.2	25.8





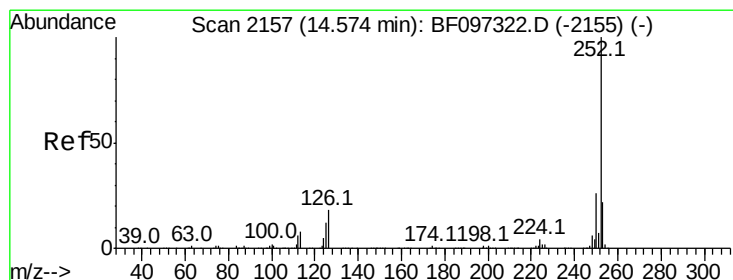
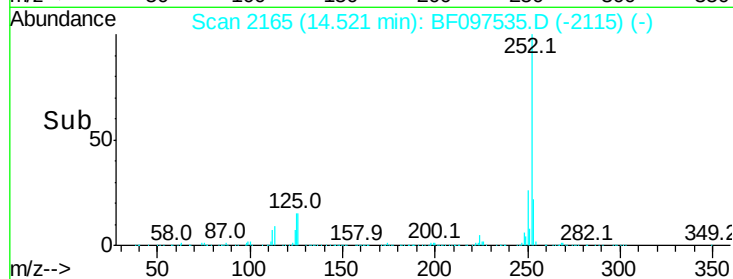
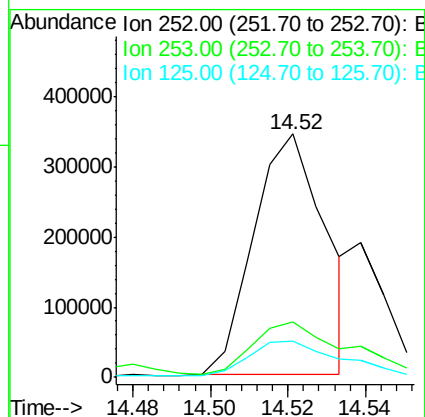
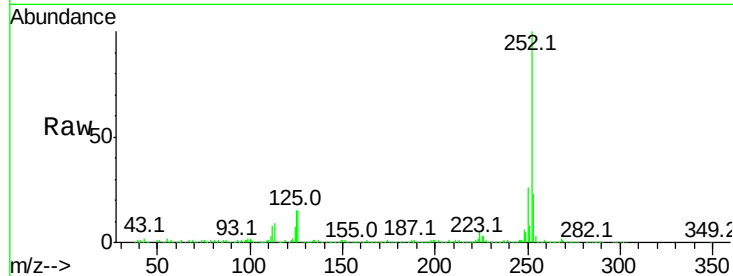
#87
Benzo(b)fluoranthene
Concen: 39.235 ng m
RT: 14.52 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
E2-D10-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	15.0	9.8	14.8

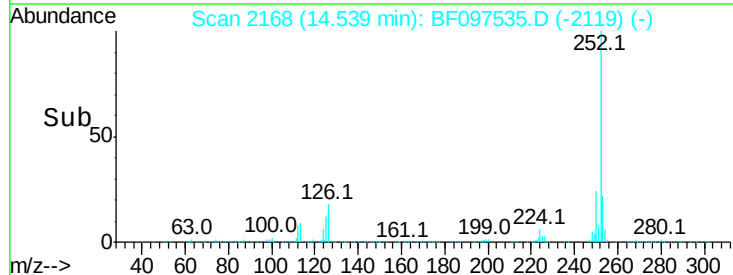
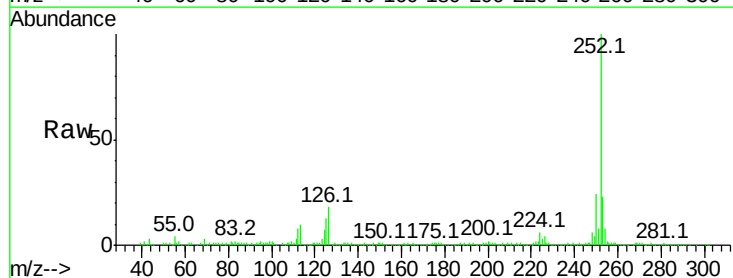
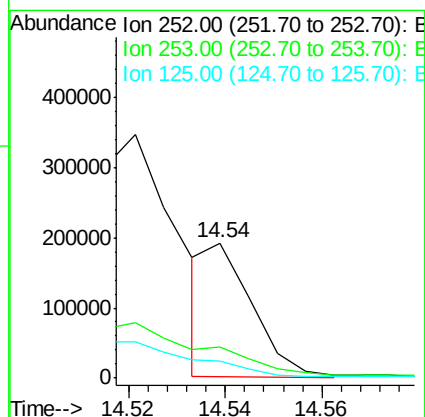
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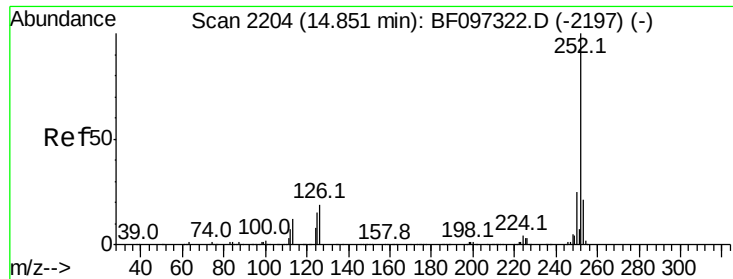
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#88
Benzo(k)fluoranthene
Concen: 11.706 ng m
RT: 14.54 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	12.7	13.1	19.7





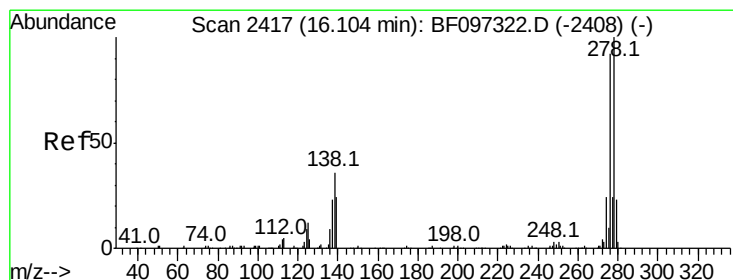
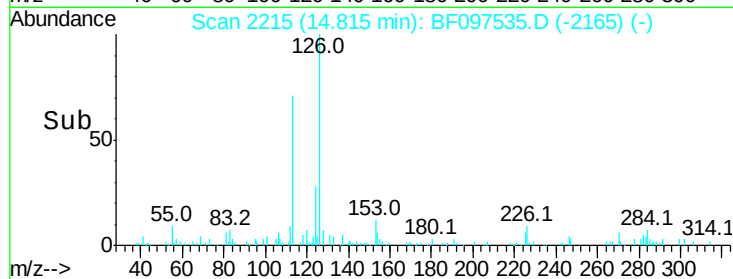
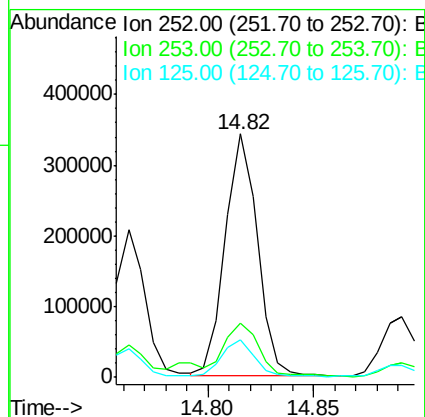
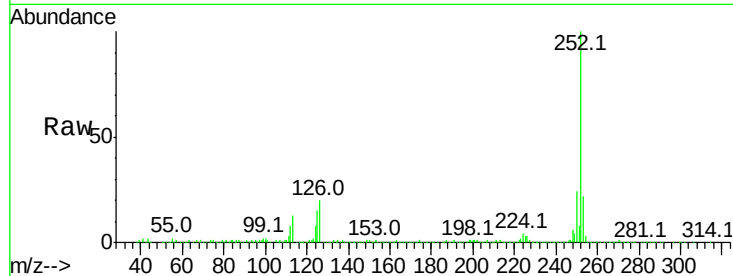
#89
Benzo(a)pyrene
Concen: 35.565 ng
RT: 14.82 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
E2-D10-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	15.3	11.0	16.4

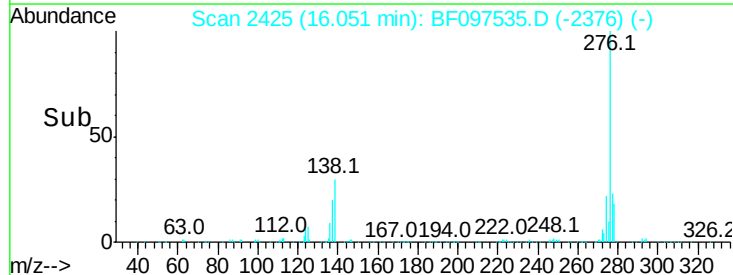
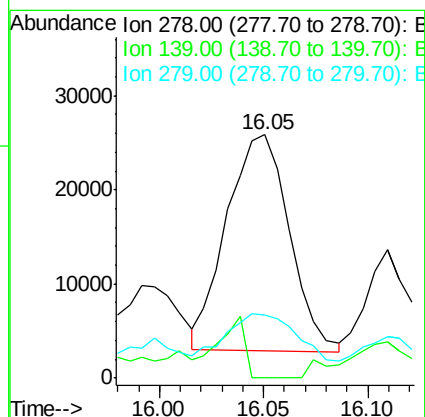
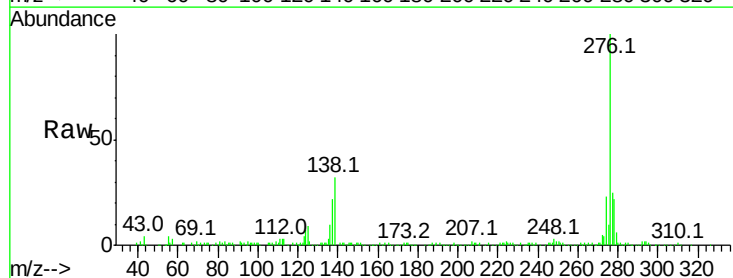
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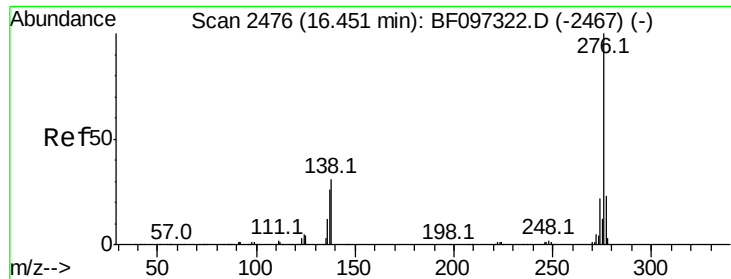
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 5.679 ng m
RT: 16.05 min Scan# 2425
Delta R.T. -0.01 min
Lab File: BF097535.D
Acq: 10 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	25.9	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 22.465 ng
 RT: 16.40 min Scan# 2484
 Delta R.T. -0.01 min
 Lab File: BF097535.D
 Acq: 10 Aug 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 E2-D10-WSW

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	33.1	25.4	38.0

Manual Integrations
 APPROVED

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 8/10/2017 6:07:53 PM

