

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097411.D
 Acq On : 5 Aug 2017 21:43
 Operator : SJ/JU
 Sample : I4614-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-BASE

Manual Integrations
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Quant Time: Aug 06 05:09:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	84955	20.00	ng	-0.07
21) Naphthalene-d8	7.71	136	298375	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	108044	20.00	ng	-0.08
63) Phenanthrene-d10	10.93	188	185711	20.00	ng	-0.08
75) Chrysene-d12	13.54	240	185319	20.00	ng	-0.08
86) Perylene-d12	14.89	264	113459	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	292855	51.97	ng	-0.08
7) Phenol-d6	6.10	99	356079	55.35	ng	-0.07
23) Nitrobenzene-d5	6.99	82	161857	31.82	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	48347	56.64	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	219175	34.43	ng	-0.08
78) Terphenyl-d14	12.50	244	182285	20.05	ng	-0.08
Target Compounds						
48) Acenaphthylene	9.32	152	76391	7.329	ng	96
49) Dimethylphthalate	9.19	163	49508	6.034	ng	99
70) Phenanthrene	10.94	178	40282	4.048	ng	97
71) Anthracene	11.00	178	38036	3.732	ng	99
74) Fluoranthene	12.13	202	63742	6.539	ng	99
77) Pyrene	12.35	202	100028	6.593	ng	98
80) Benzo(a)anthracene	13.54	228	39575	3.300	ng	# 44
82) Chrysene	13.57	228	36946	3.155	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.09	276	36203	3.606	ng	93
87) Benzo(b)fluoranthene	14.54	252	43577m	6.389	ng	
88) Benzo(k)fluoranthene	14.55	252	16368m	2.518	ng	
89) Benzo(a)pyrene	14.84	252	37889	6.070	ng	94
91) Benzo(a,h,i)perylene	16.44	276	76802	14.308	ng	94

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

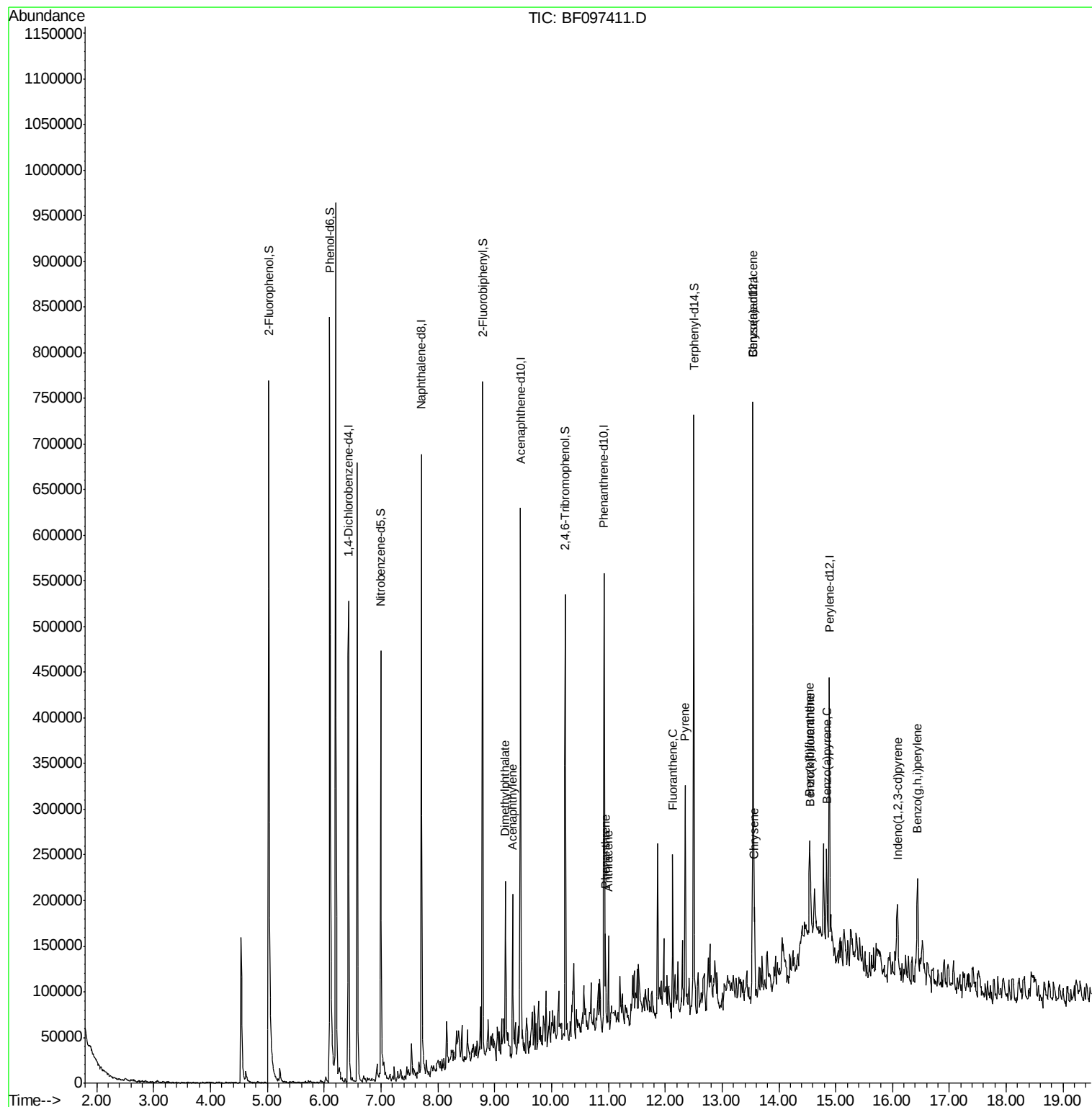
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097411.D
Acq On : 5 Aug 2017 21:43
Operator : SJ/JU
Sample : I4614-01 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

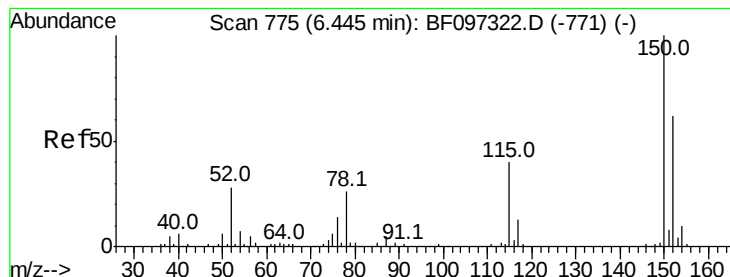
Instrument :
BNA_F
ClientSampleId :
E2-N10-BASE

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Quant Time: Aug 06 05:09:51 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

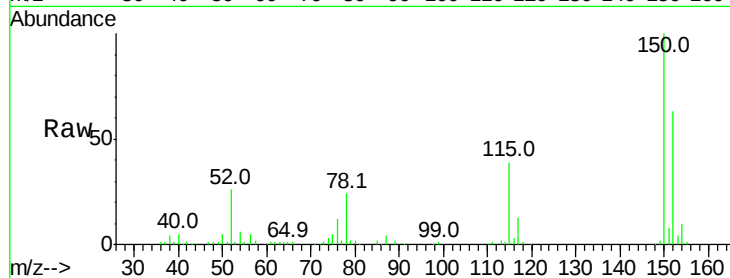
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097411.D
Acq: 5 Aug 2017 21:43

Instrument :
BNA_F
ClientSampleId :
E2-N10-BASE

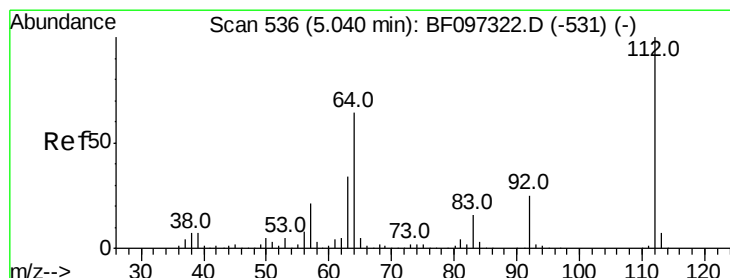
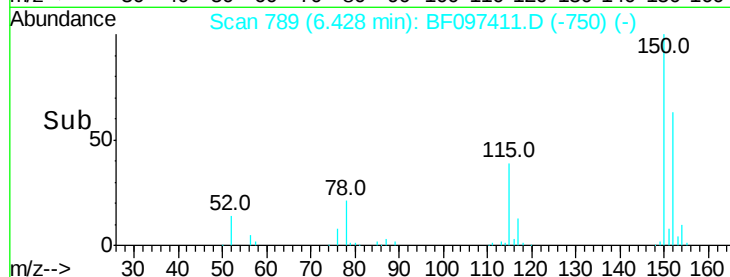
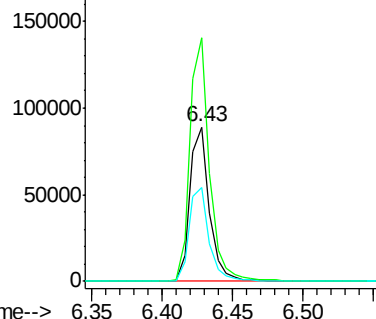
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.2	189.2
115	61.2	52.2	78.2

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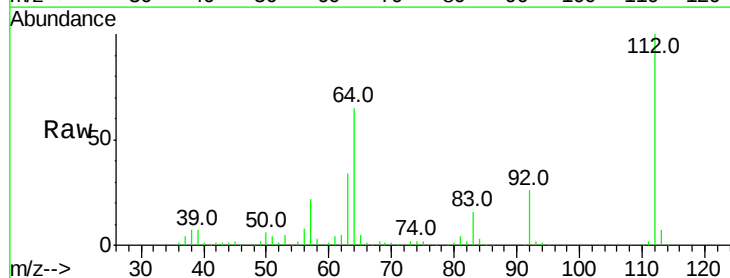
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



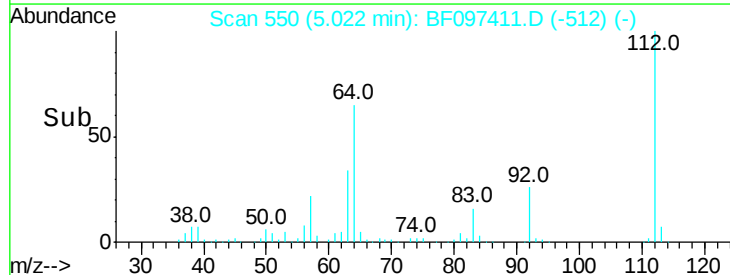
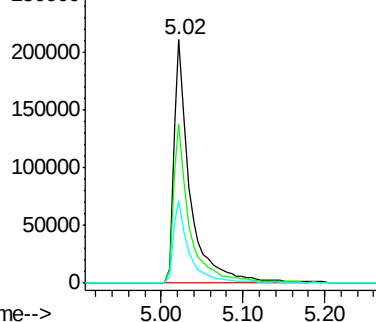
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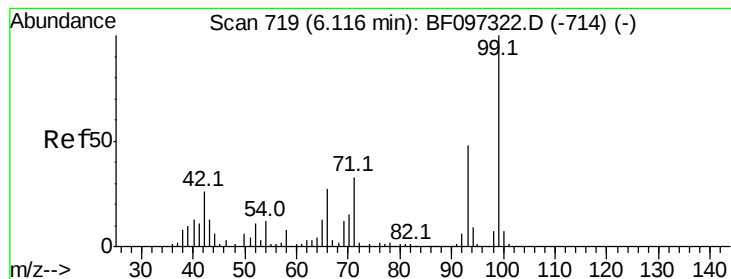
2-Fluorophenol
Concen: 51.966 ng
RT: 5.02 min Scan# 550
Delta R.T. -0.08 min
Lab File: BF097411.D
Acq: 5 Aug 2017 21:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	46.0	69.0
63	33.6	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: 55.347 ng

RT: 6.10 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF097411.D

Acq: 5 Aug 2017 21:43

Instrument :

BNA_F

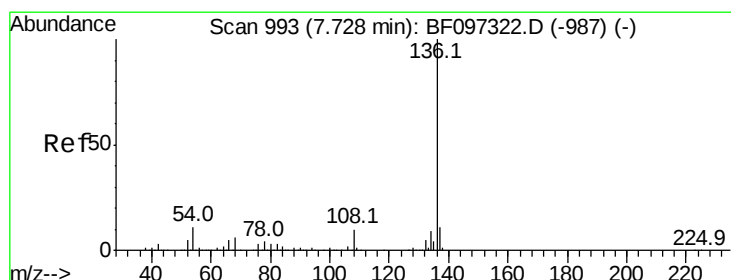
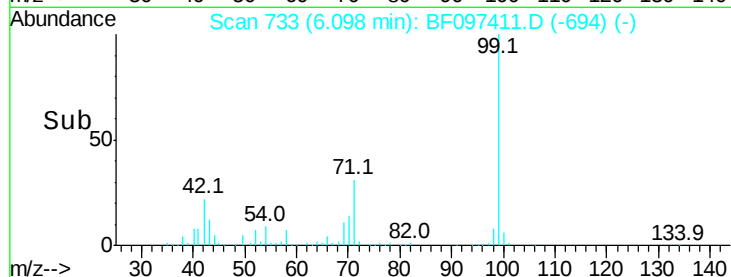
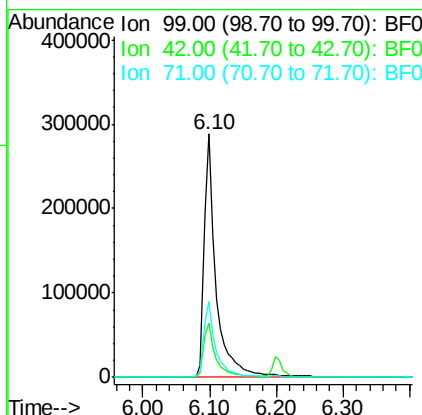
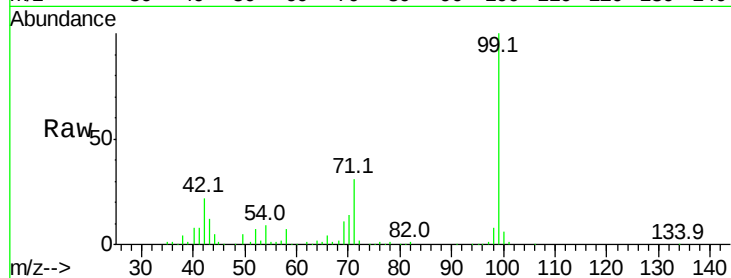
ClientSampleId :

E2-N10-BASE

Tot Ion:	99	Resp:	356079
Ion Ratio	Lower	Upper	
99	100		
42	22.4	13.5	20.3#
71	31.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

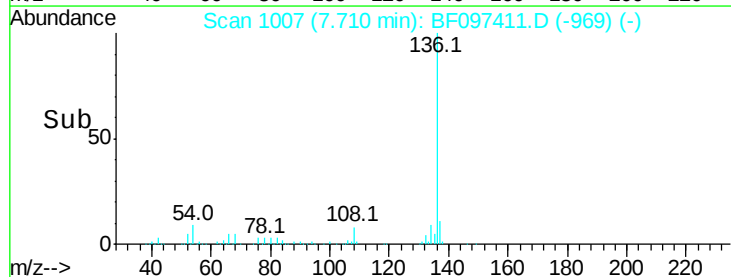
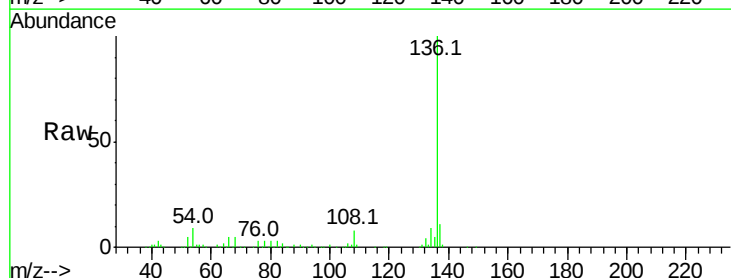
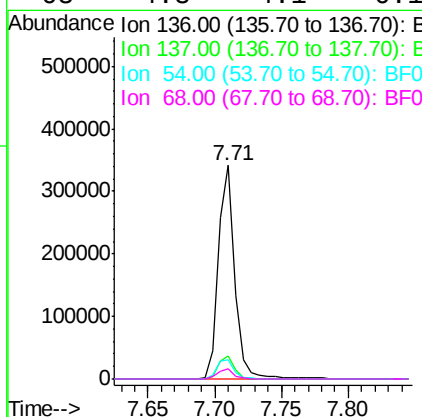
RT: 7.71 min Scan# 1007

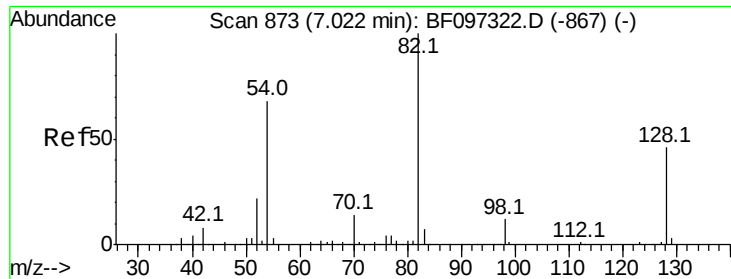
Delta R.T. -0.08 min

Lab File: BF097411.D

Acq: 5 Aug 2017 21:43

Tgt Ion:	136	Resp:	298375
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	9.2	4.9	7.3#
68	4.8	4.1	6.1





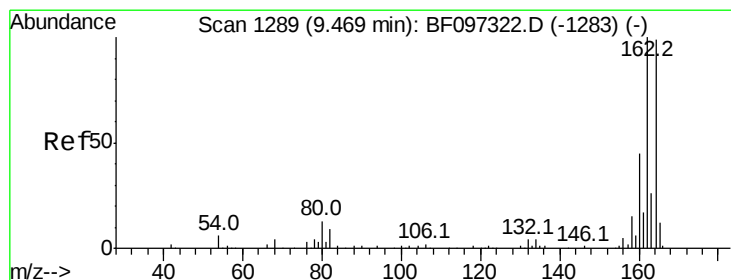
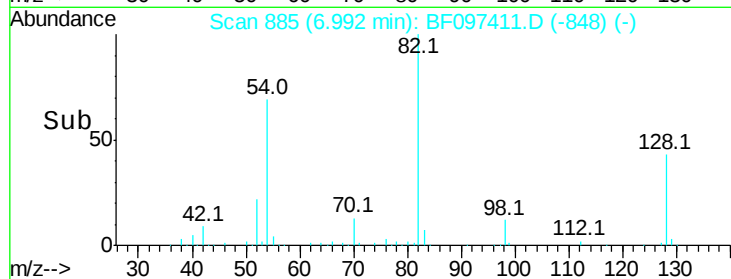
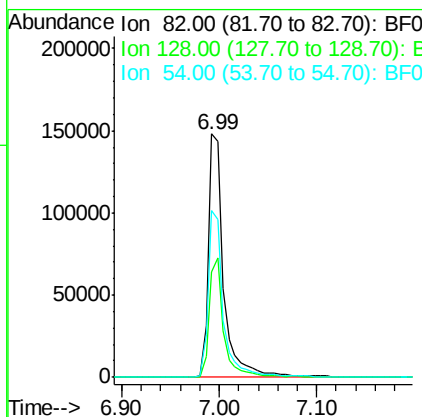
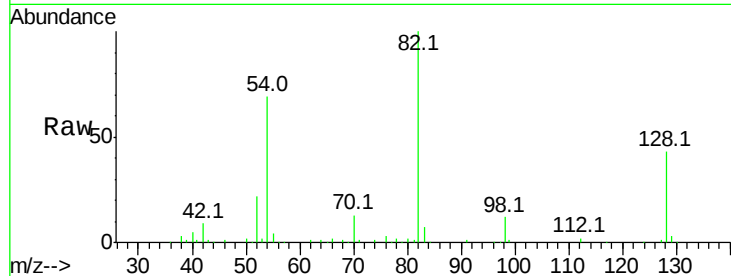
#23
 Nitrobenzene-d5
 Concen: 31.823 ng
 RT: 6.99 min Scan# 885
 Delta R.T. -0.08 min
 Lab File: BF097411.D
 Acq: 5 Aug 2017 21:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.3	34.0	51.0	
54	68.5	42.2	63.2	

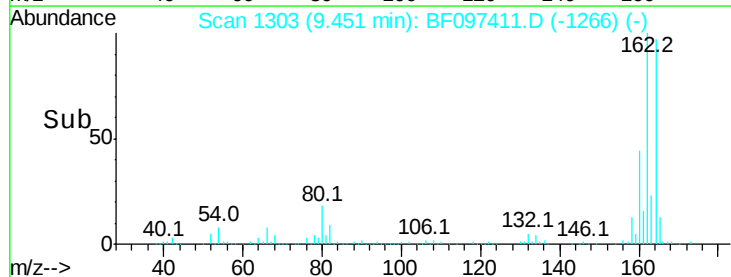
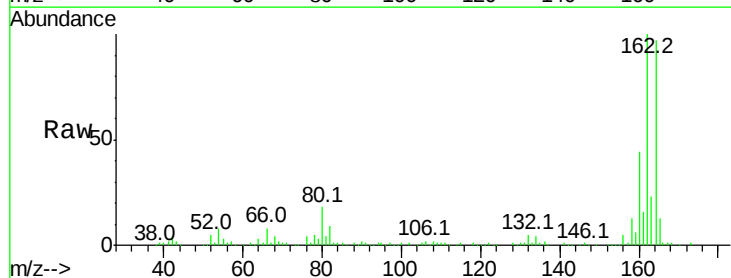
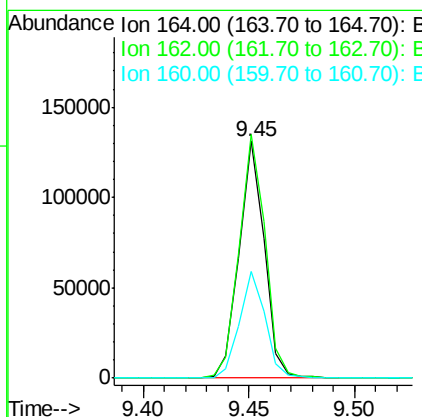
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.08 min
 Lab File: BF097411.D
 Acq: 5 Aug 2017 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	82.6	123.8	
160	45.1	36.2	54.2	





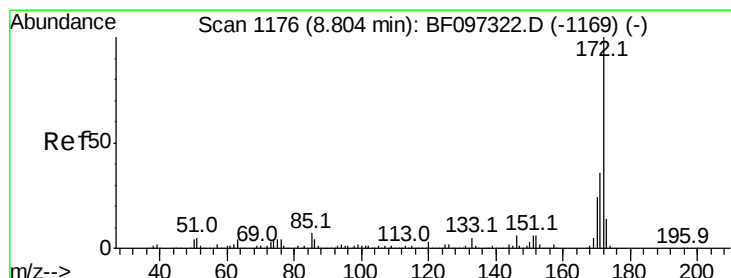
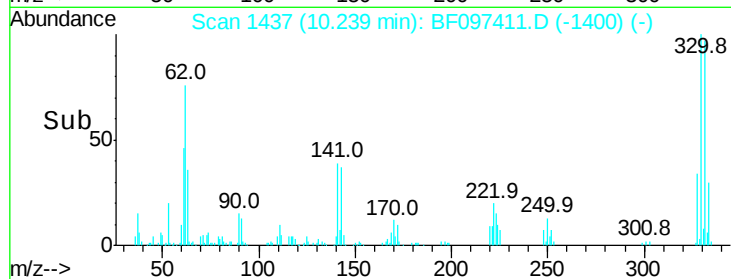
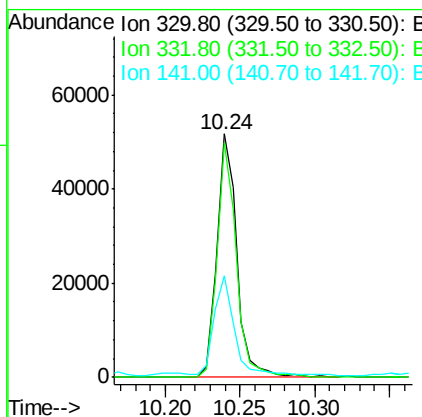
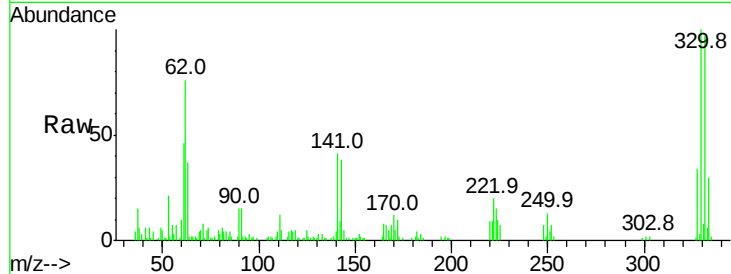
#41
 2,4,6-Tribromophenol
 Concen: 56.635 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.08 min
 Lab File: BF097411.D
 Acq: 5 Aug 2017 21:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	76.6	115.0
141	41.3	31.4	47.2

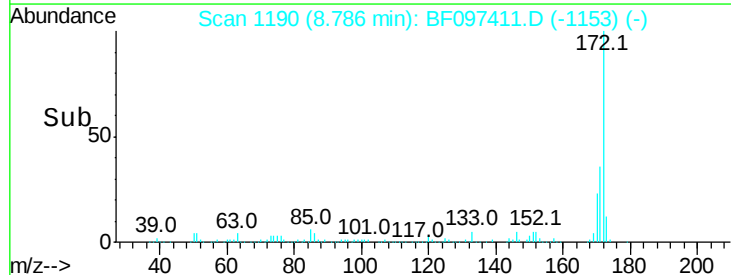
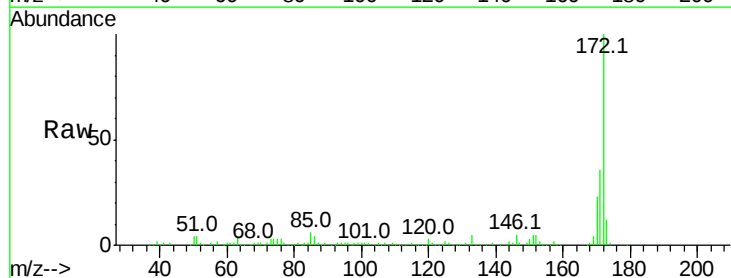
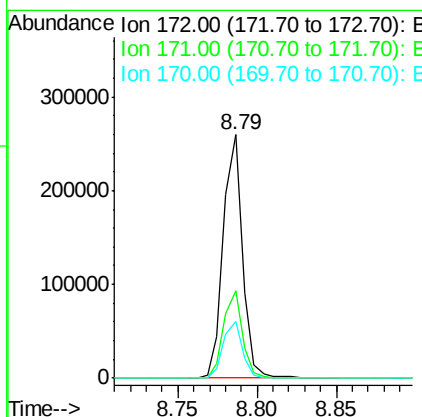
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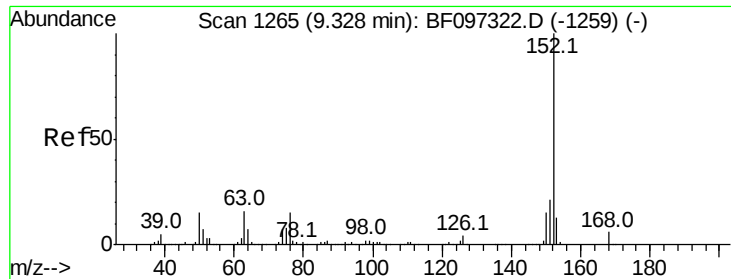
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#44
 2-Fluorobiphenyl
 Concen: 34.427 ng
 RT: 8.79 min Scan# 1190
 Delta R.T. -0.08 min
 Lab File: BF097411.D
 Acq: 5 Aug 2017 21:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.4	19.8	29.8





#48

Acenaphthylene

Concen: 7.329 ng

RT: 9.32 min Scan# 1280

Delta R.T. -0.08 min

Lab File: BF097411.D

Acq: 5 Aug 2017 21:43

Instrument :

BNA_F

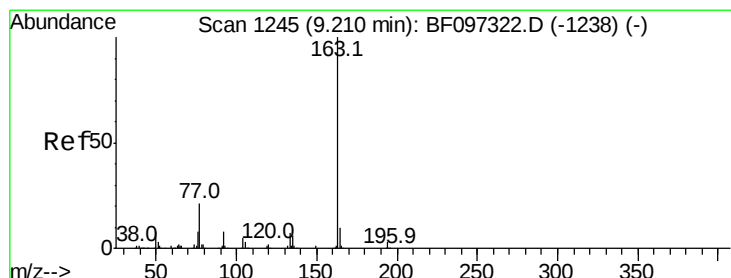
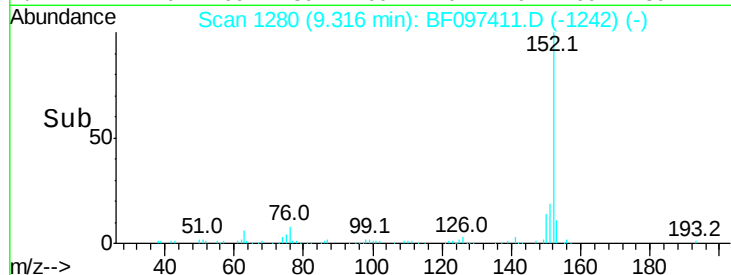
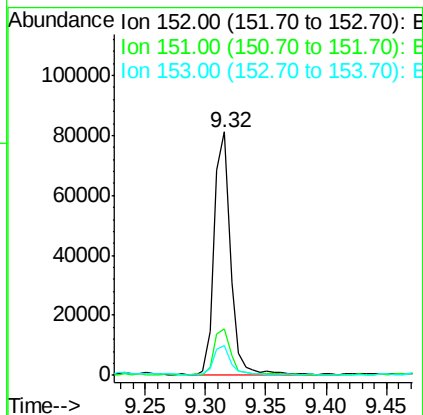
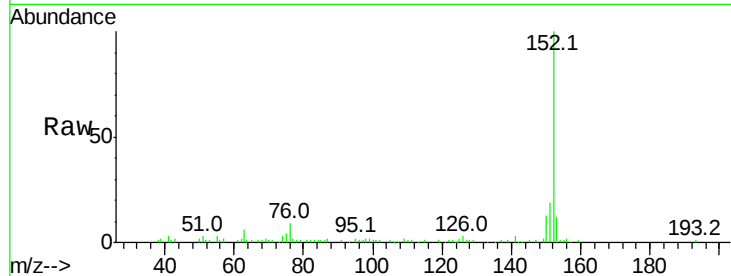
ClientSampled :

E2-N10-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	16.8	25.2
153	12.5	10.8	16.2

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#49

Dimethylphthalate

Concen: 6.034 ng

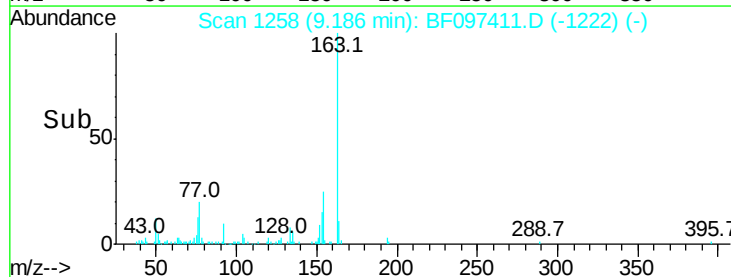
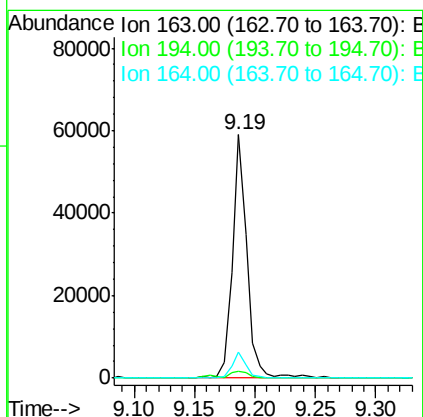
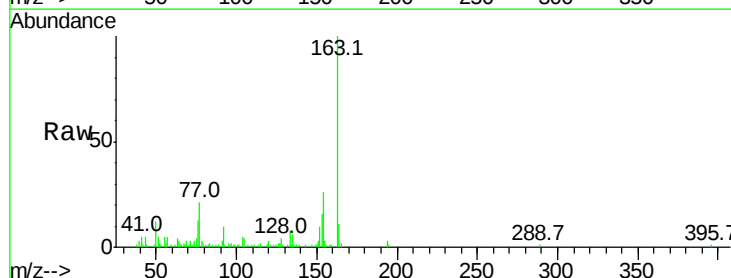
RT: 9.19 min Scan# 1258

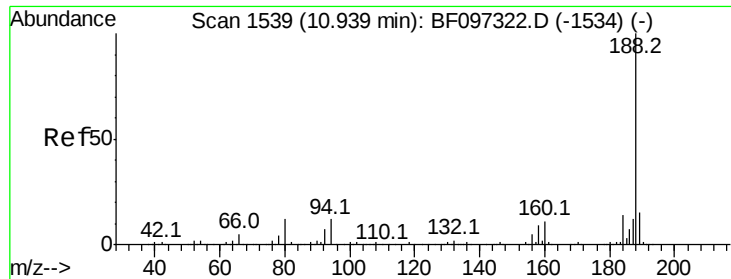
Delta R.T. -0.09 min

Lab File: BF097411.D

Acq: 5 Aug 2017 21:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.7	8.4	12.6





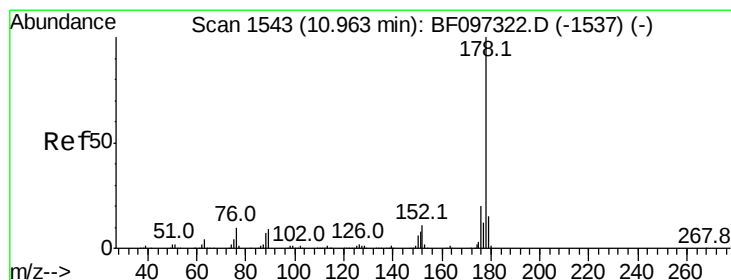
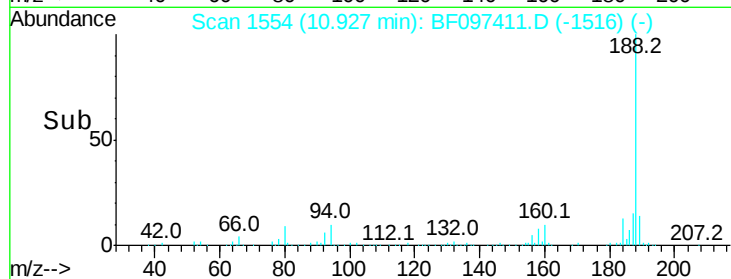
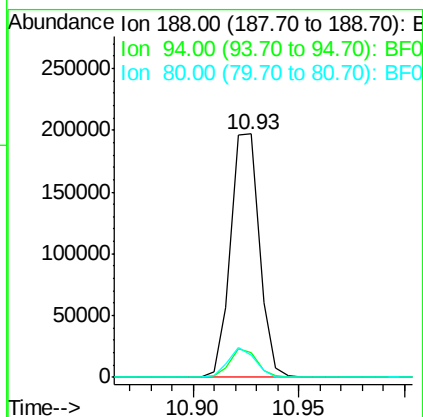
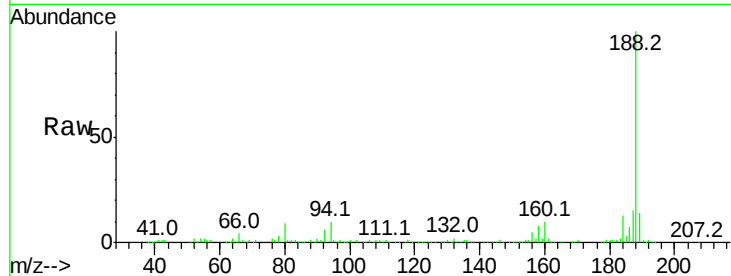
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.08 min
Lab File: BF097411.D
Acq: 5 Aug 2017 21:43

Instrument :
BNA_F
ClientSampleId :
E2-N10-BASE

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.1	9.4	14.2
80	9.3	10.2	15.2#

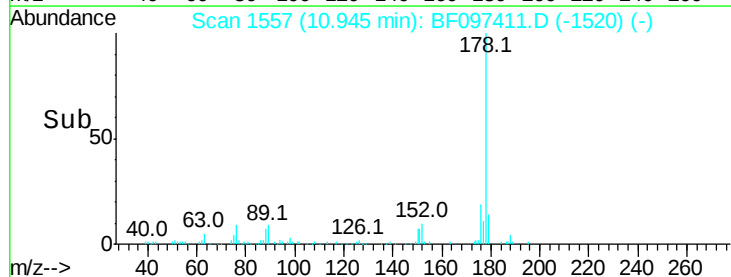
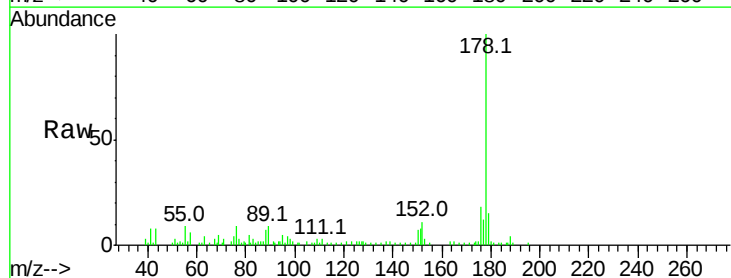
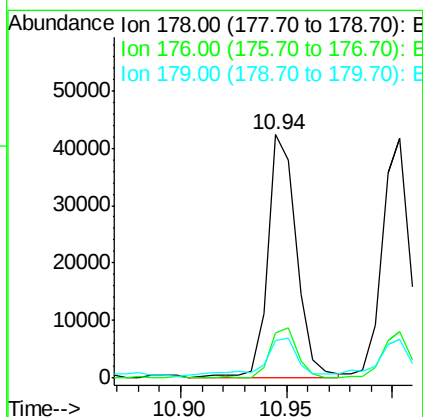
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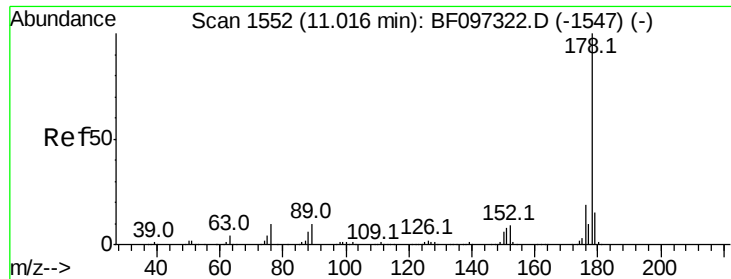
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#70
Phenanthrene
Concen: 4.048 ng
RT: 10.94 min Scan# 1557
Delta R.T. -0.08 min
Lab File: BF097411.D
Acq: 5 Aug 2017 21:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.4	16.2	24.4
179	15.4	12.6	19.0





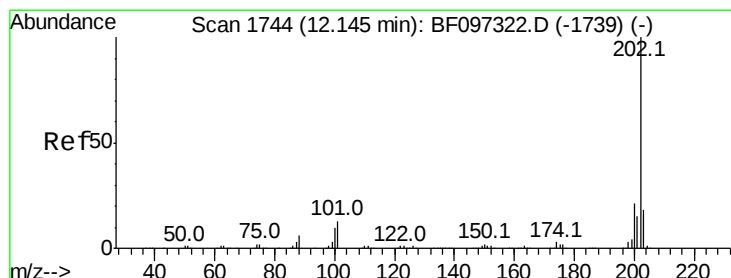
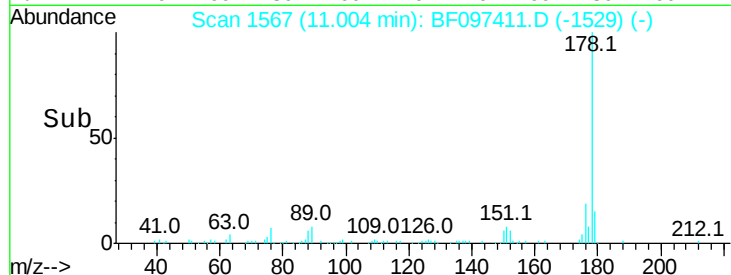
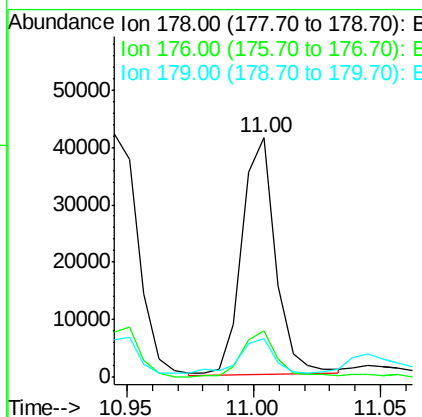
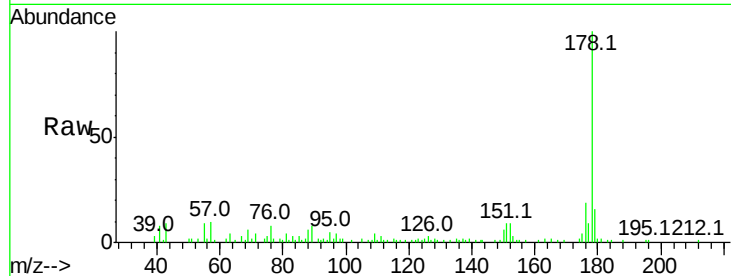
#71
 Anthracene
 Concen: 3.732 ng
 RT: 11.00 min Scan# 1567
 Delta R.T. -0.08 min
 Lab File: BF097411.D
 Acq: 5 Aug 2017 21:43

Instrument :
 BNA_F
 ClientSampled :
 E2-N10-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.3	12.7	19.1

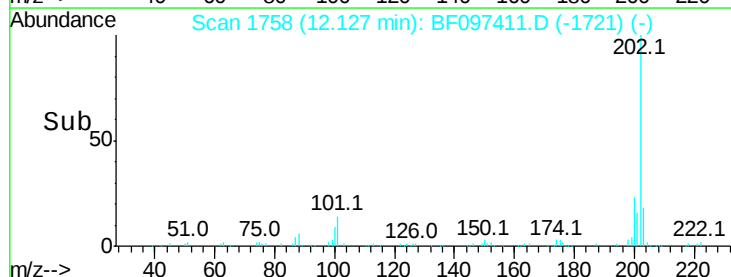
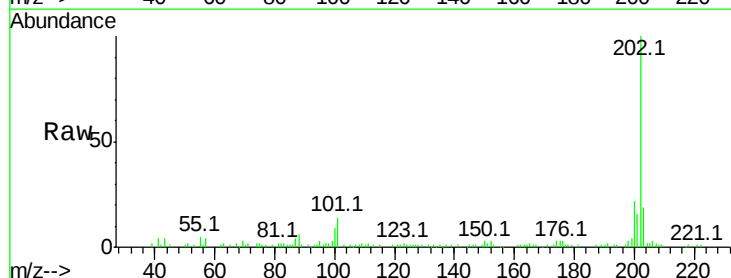
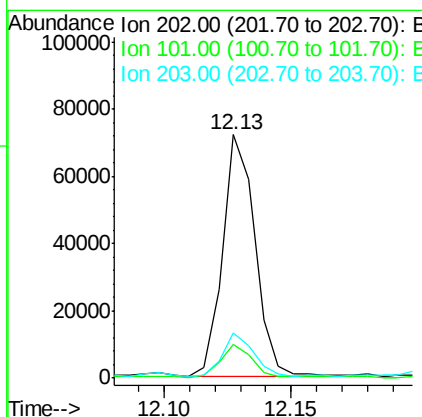
Manual Integrations
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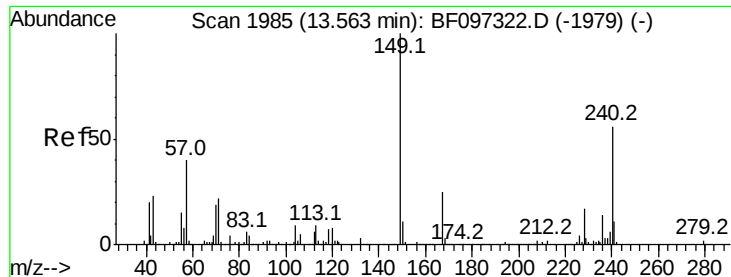
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#74
 Fluoranthene
 Concen: 6.539 ng
 RT: 12.13 min Scan# 1758
 Delta R.T. -0.08 min
 Lab File: BF097411.D
 Acq: 5 Aug 2017 21:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	18.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.54 min Scan# 1999

Delta R.T. -0.08 min

Lab File: BF097411.D

Acq: 5 Aug 2017 21:43

Instrument :

BNA_F

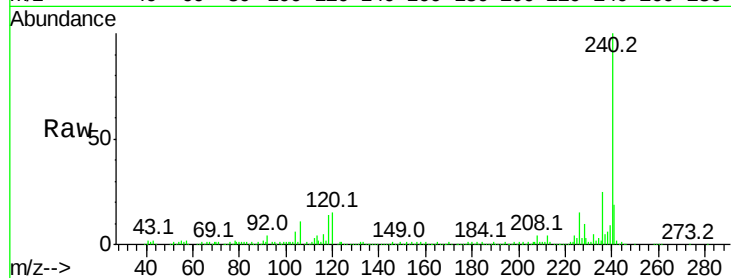
ClientSampleId :

E2-N10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	185319		
120	15.4	5.8	8.8#	
236	25.2	20.5	30.7	

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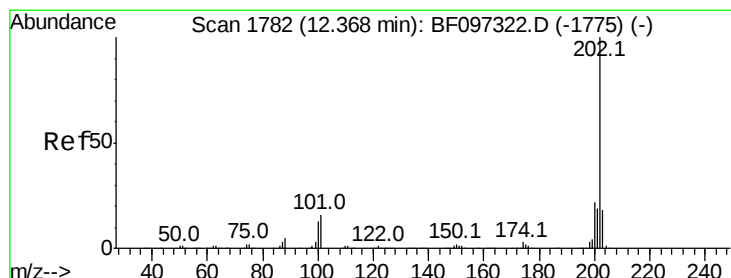
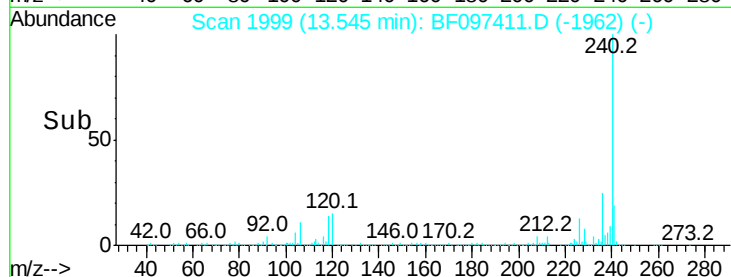
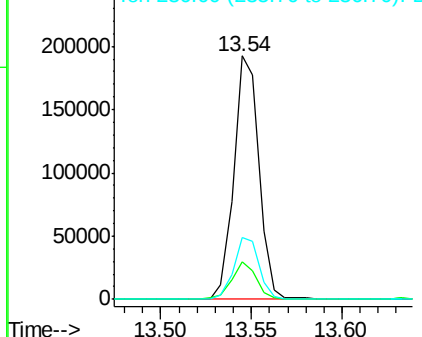
Sohil
8/7/2017 6:00:58 PM



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: 6.593 ng

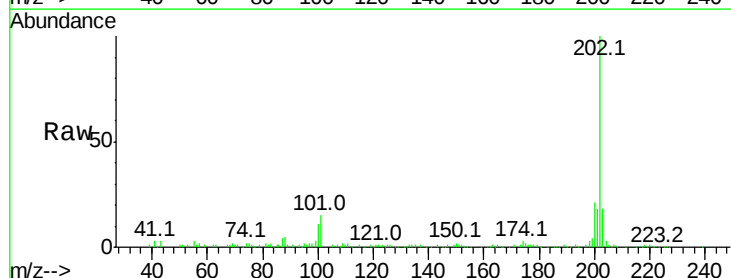
RT: 12.35 min Scan# 1796

Delta R.T. -0.08 min

Lab File: BF097411.D

Acq: 5 Aug 2017 21:43

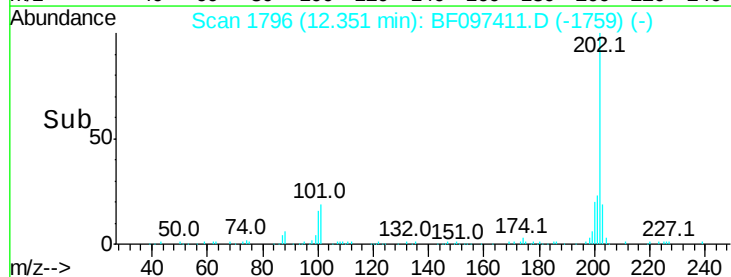
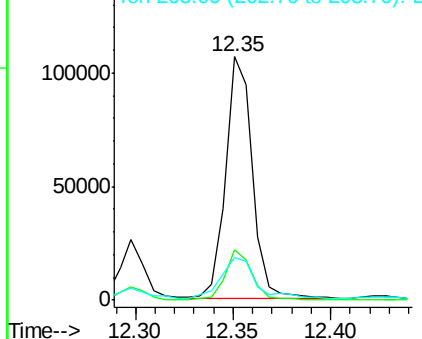
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	100028		
200	20.7	17.6	26.4	
203	17.7	14.4	21.6	

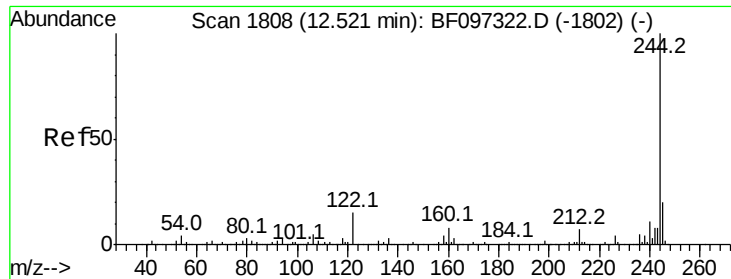


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





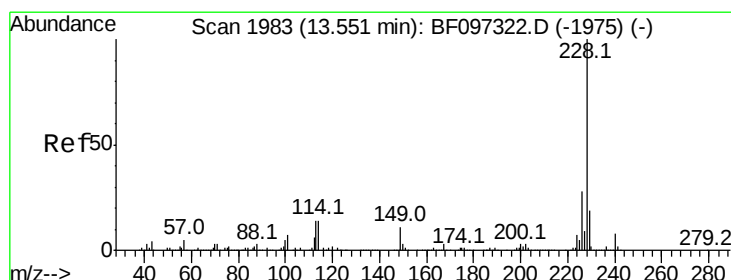
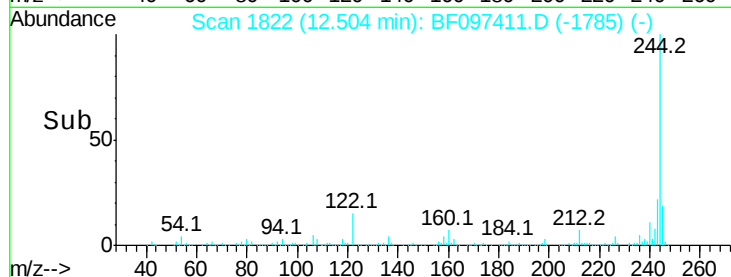
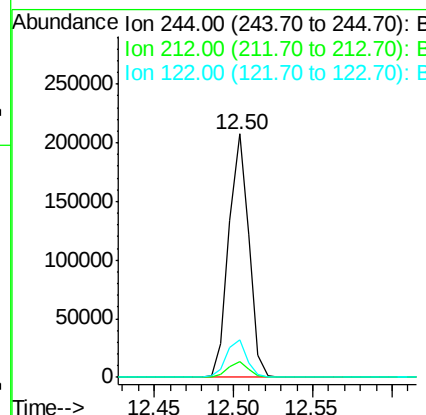
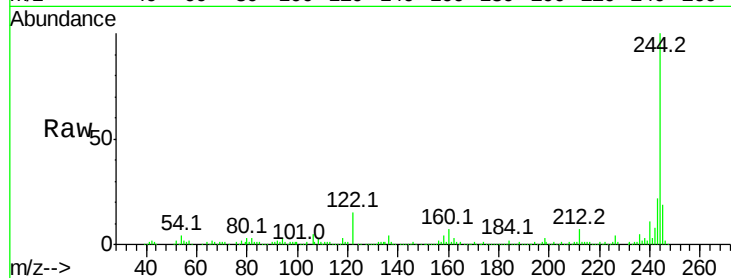
#78
 Terphenyl-d14
 Concen: 20.055 ng
 RT: 12.50 min Scan# 1822
 Delta R.T. -0.08 min
 Lab File: BF097411.D
 Acq: 5 Aug 2017 21:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	15.4	10.3	15.5

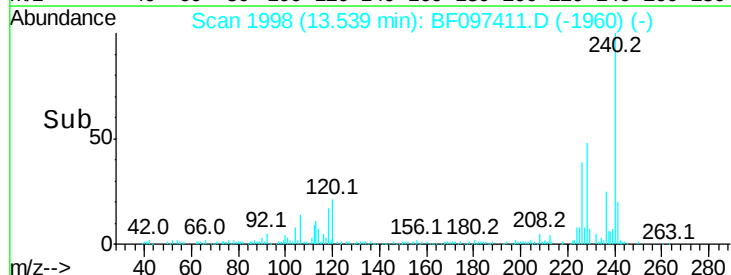
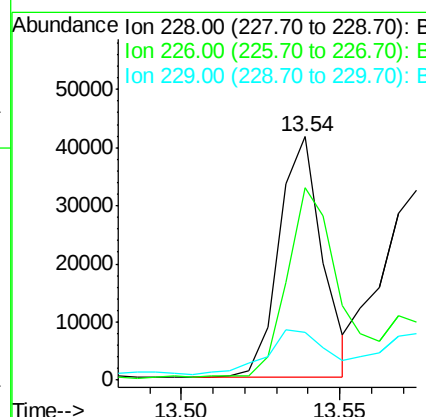
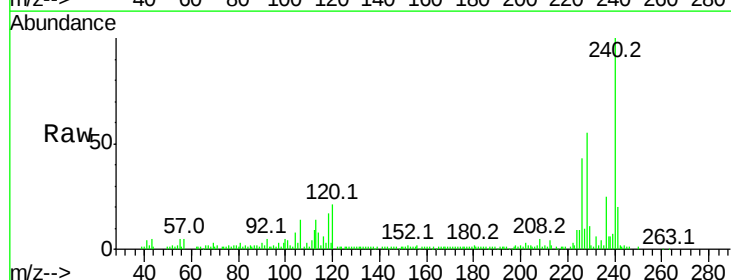
Manual Integrations
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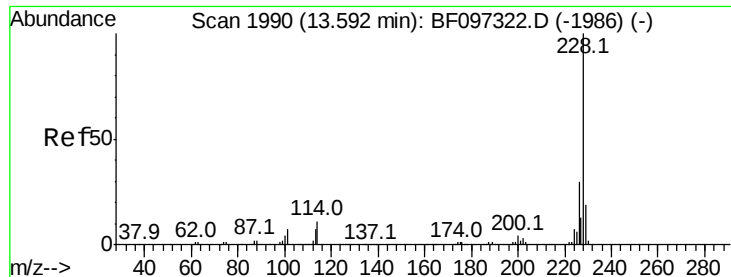
Sohil
 8/7/2017 6:00:58 PM



#80
 Benzo(a)anthracene
 Concen: 3.300 ng
 RT: 13.54 min Scan# 1998
 Delta R.T. -0.08 min
 Lab File: BF097411.D
 Acq: 5 Aug 2017 21:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	78.8	22.6	33.8#
229	19.7	16.3	24.5





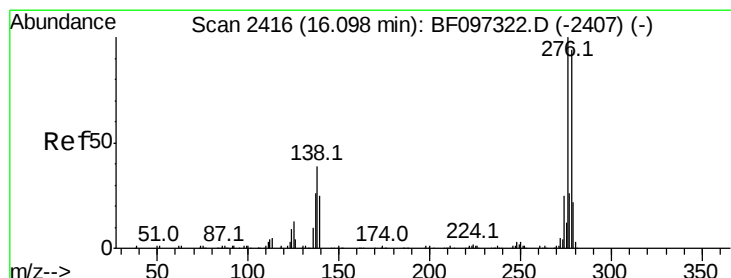
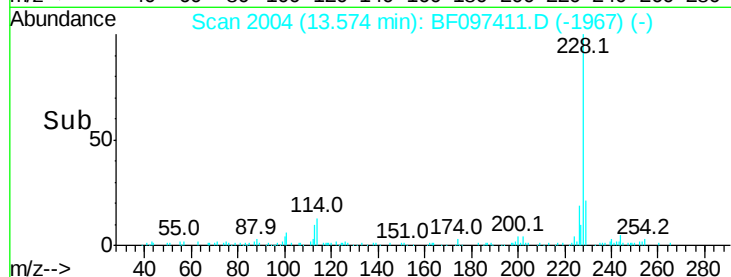
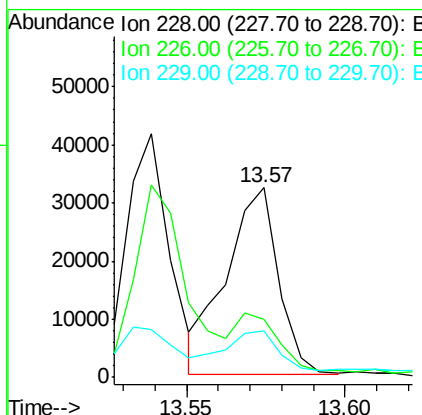
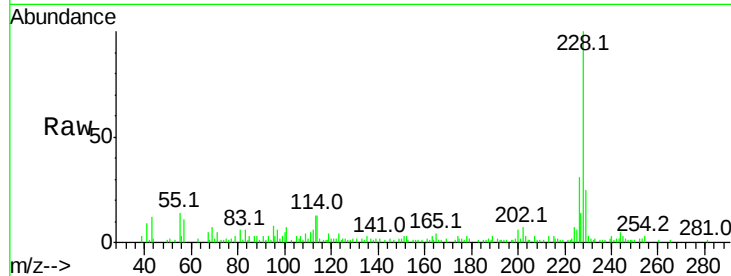
#82
Chrysene
Concen: 3.155 ng
RT: 13.57 min Scan# 2004
Delta R.T. -0.08 min
Lab File: BF097411.D
Acq: 5 Aug 2017 21:43

Instrument :
BNA_F
ClientSampleId :
E2-N10-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	24.6	15.8	23.6

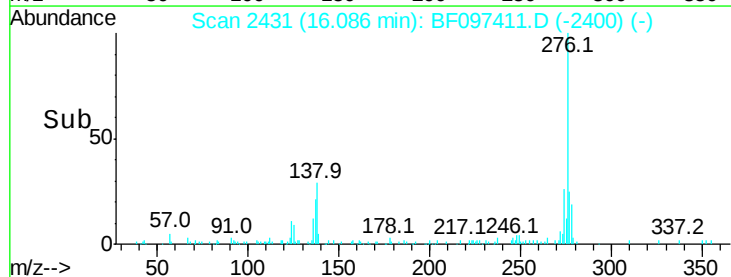
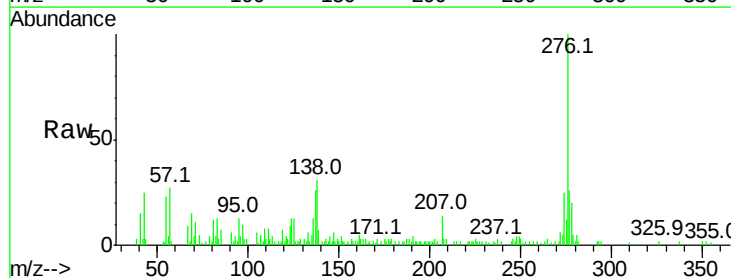
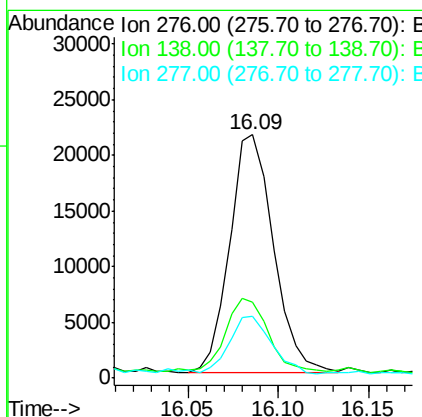
Manual Integrations
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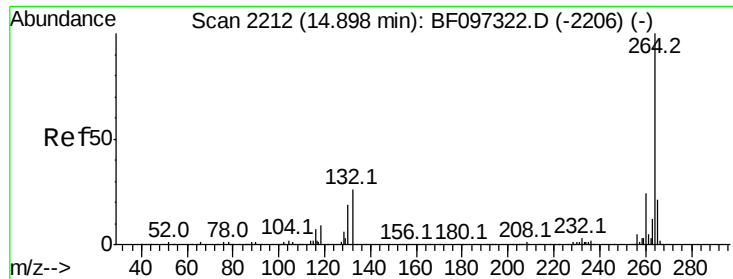
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.606 ng
RT: 16.09 min Scan# 2431
Delta R.T. -0.12 min
Lab File: BF097411.D
Acq: 5 Aug 2017 21:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.8	27.8	41.6
277	23.2	20.2	30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 14.89 min Scan# 2227

Delta R.T. -0.09 min

Lab File: BF097411.D

Acq: 5 Aug 2017 21:43

Instrument :

BNA_F

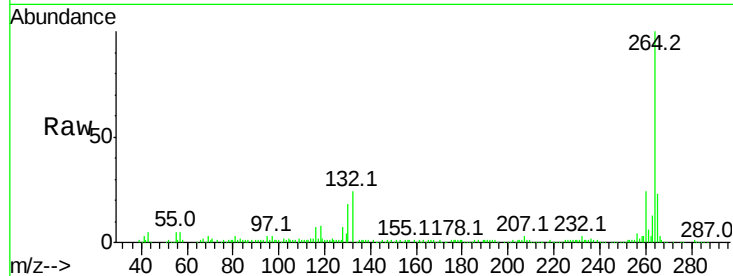
ClientSampled :

E2-N10-BASE

Tot Ion:	264	Resp:	113459
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.5	29.3
265	23.0	17.2	25.8

Manual Integrations
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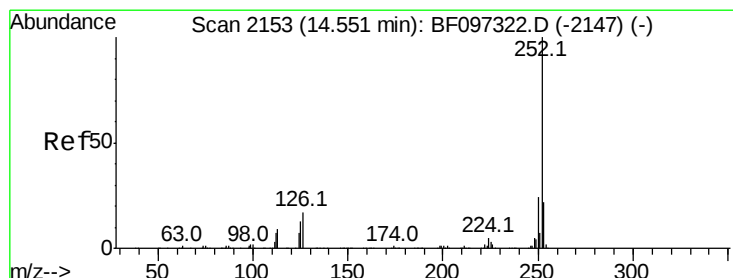
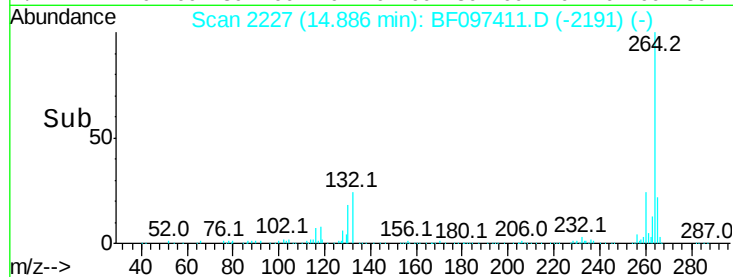
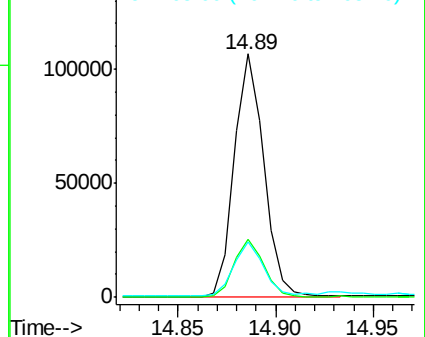
Sohil
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Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 6.389 ng m

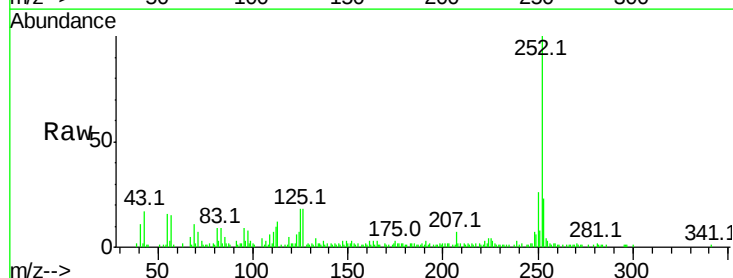
RT: 14.54 min Scan# 2168

Delta R.T. -0.08 min

Lab File: BF097411.D

Acq: 5 Aug 2017 21:43

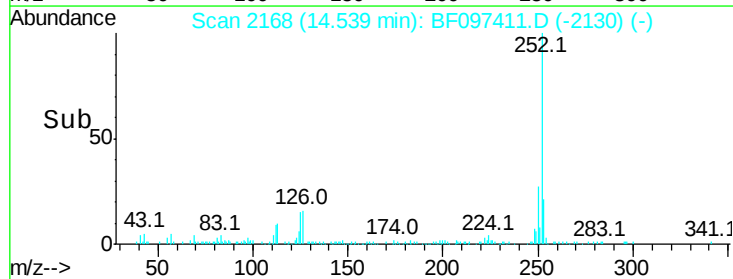
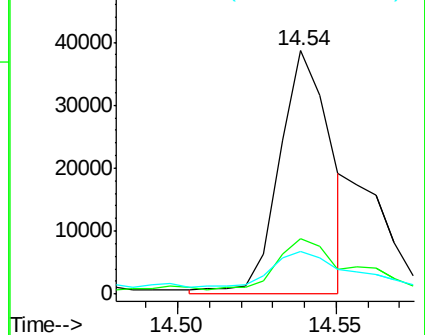
Tgt Ion:	252	Resp:	43577
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.1	27.1
125	17.7	9.8	14.8#

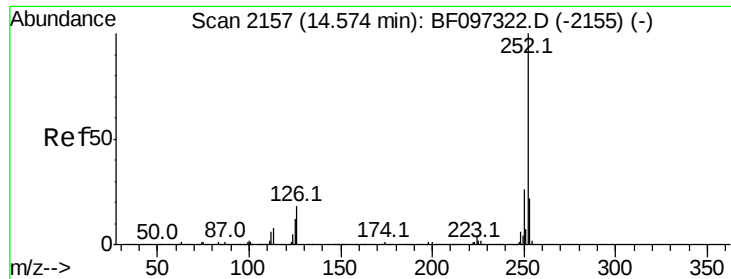


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





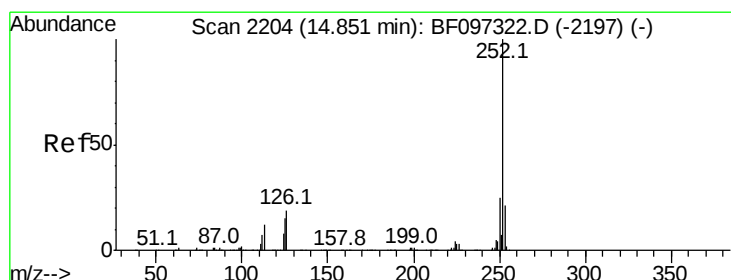
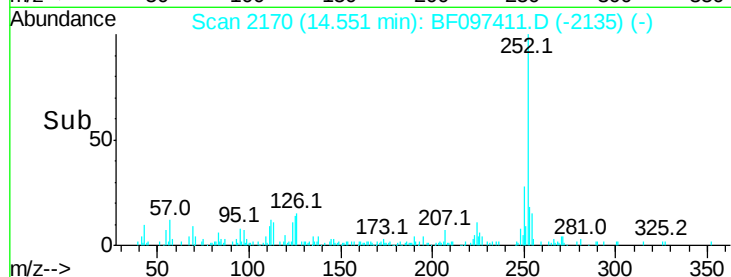
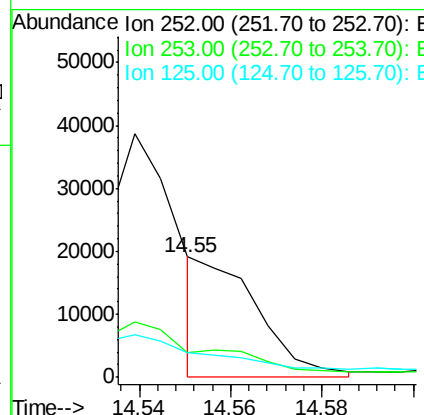
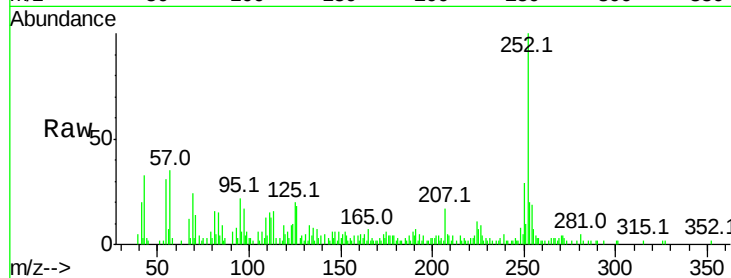
#88
Benzo(k)fluoranthene
Concen: 2.518 ng/mL
RT: 14.55 min Scan# 2170
Delta R.T. -0.09 min
Lab File: BF097411.D
Acq: 5 Aug 2017 21:43

Instrument :
BNA_F
ClientSampled :
E2-N10-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.1	18.4	27.6
125	20.3	13.1	19.7

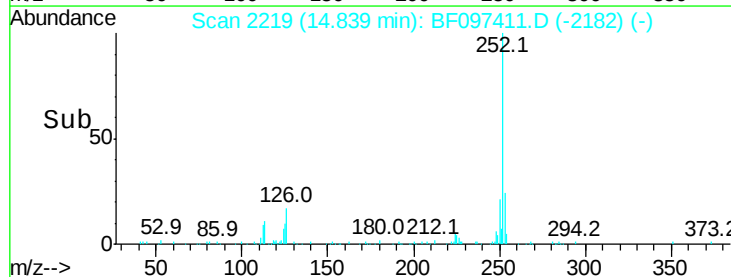
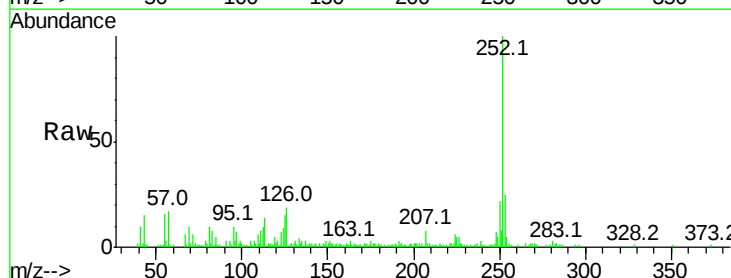
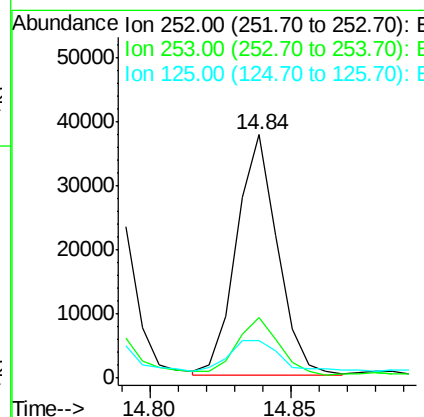
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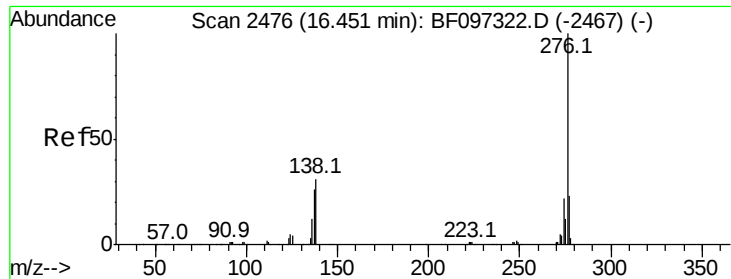
Sohil
8/7/2017 6:00:58 PM



#89
Benzo(a)pyrene
Concen: 6.070 ng/mL
RT: 14.84 min Scan# 2219
Delta R.T. -0.08 min
Lab File: BF097411.D
Acq: 5 Aug 2017 21:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	15.5	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 14.308 ng
 RT: 16.44 min Scan# 2491
 Delta R.T. -0.13 min
 Lab File: BF097411.D
 Acq: 5 Aug 2017 21:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-N10-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	28.0
138	27.4	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/7/2017 6:00:58 PM

