

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097447.D
 Acq On : 7 Aug 2017 23:41
 Operator : SJ/JU
 Sample : I4638-12
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 303

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:56:23 PM

Quant Time: Aug 08 06:40:41 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	89524	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	373251	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	129545	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	189949	20.00	ng	0.00
75) Chrysene-d12	13.53	240	194042	20.00	ng	0.00
86) Perylene-d12	14.87	264	126393	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	577568	97.26	ng	0.00
7) Phenol-d6	6.09	99	761300	112.29	ng	0.00
23) Nitrobenzene-d5	6.98	82	415308	65.27	ng	-0.01
41) 2,4,6-Tribromophenol	10.23	330	99877	97.58	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	529944	69.42	ng	0.00
78) Terphenyl-d14	12.49	244	358737	37.69	ng	0.00
Target Compounds						
31) Naphthalene	7.72	128	37105	2.109	ng	97
49) Dimethylphthalate	9.17	163	71427	7.261	ng	99
57) Fluorene	9.99	166	18405	2.497	ng	91
70) Phenanthrene	10.93	178	126017	12.382	ng	98
71) Anthracene	10.99	178	29659	2.845	ng	98
74) Fluoranthene	12.12	202	174828	17.535	ng	97
77) Pyrene	12.34	202	160716	10.117	ng	100
80) Benzo(a)anthracene	13.52	228	67955	5.412	ng	99
82) Chrysene	13.56	228	61025	4.978	ng	98
87) Benzo(b)fluoranthene	14.53	252	52247m	6.877	ng	
88) Benzo(k)fluoranthene	14.54	252	21054m	2.908	ng	
89) Benzo(a)pyrene	14.83	252	37982	5.462	ng	# 94
91) Benzo(a,h,i)perylene	16.43	276	17234	2.882	ng	95

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

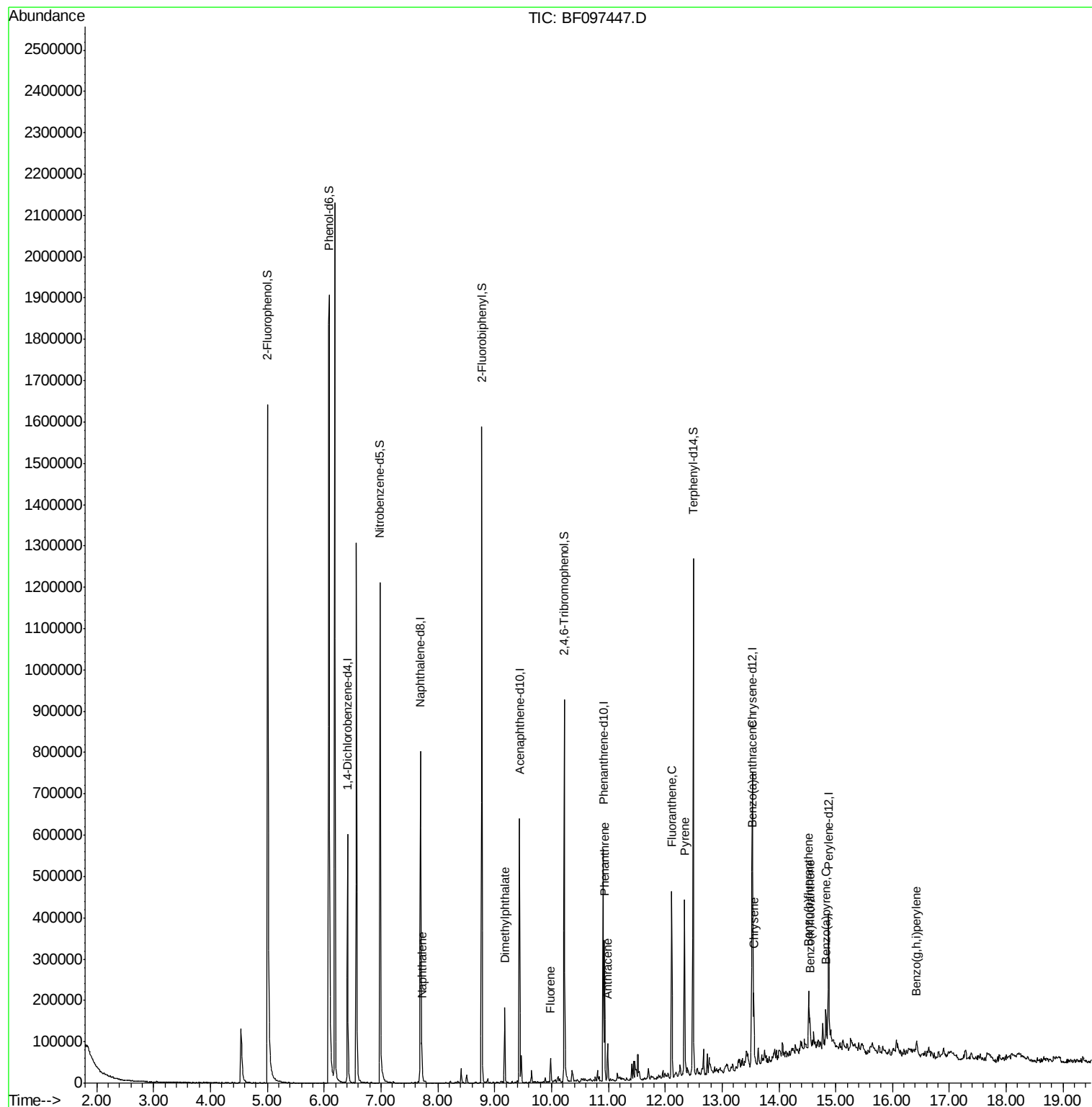
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
Data File : BF097447.D
Acq On : 7 Aug 2017 23:41
Operator : SJ/JU
Sample : I4638-12
Misc :
ALS Vial : 23 Sample Multiplier: 1

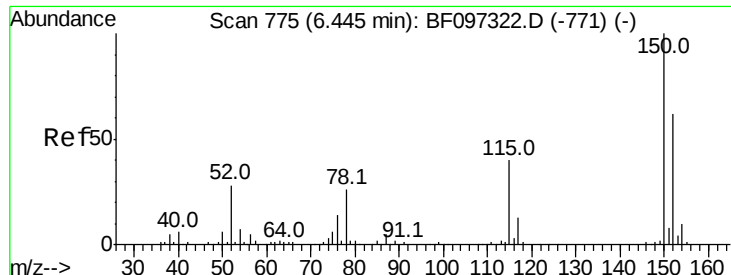
Instrument :
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ClientSampleId :
303

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

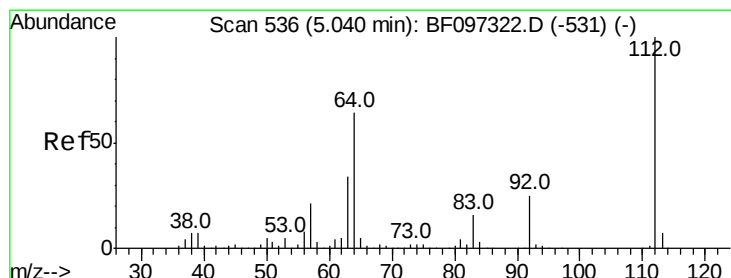
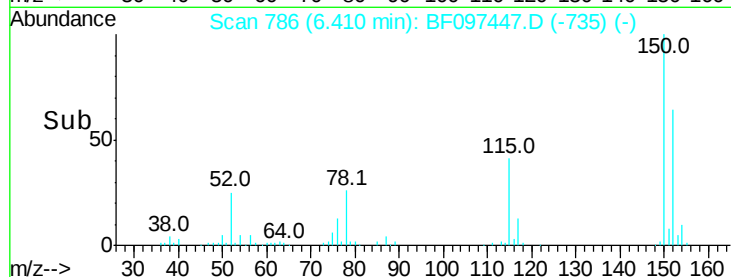
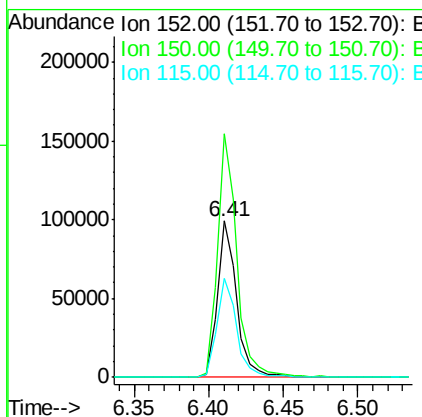
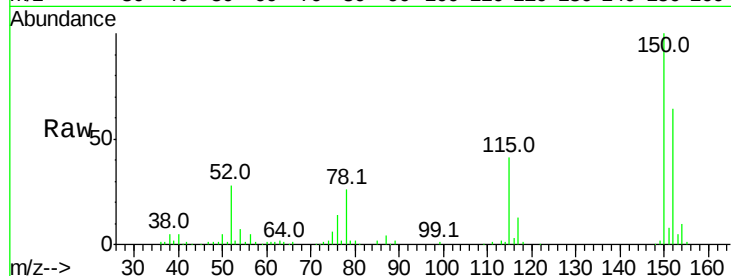
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampled :
303

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.2	189.2
115	63.3	52.2	78.2

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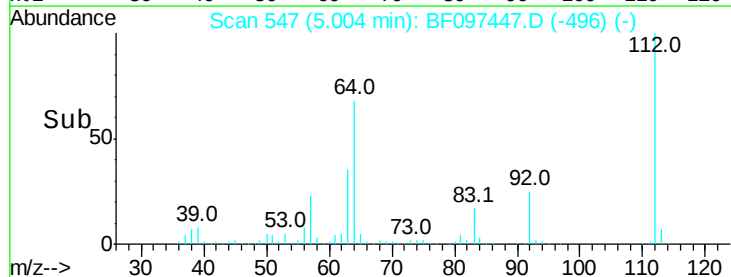
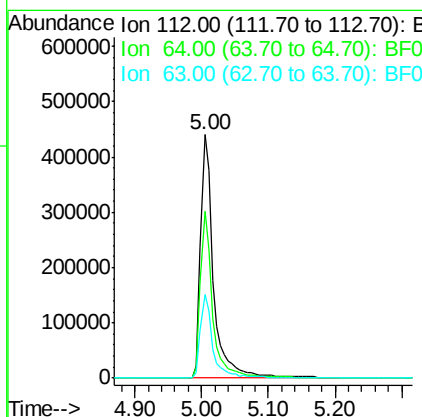
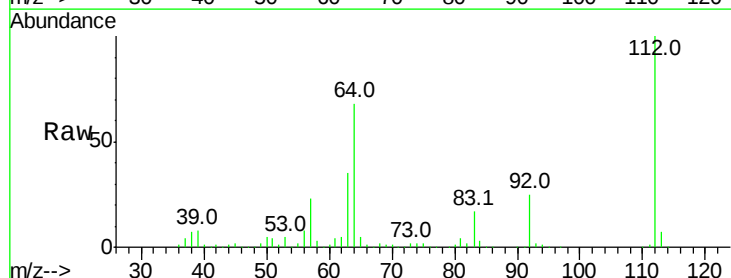
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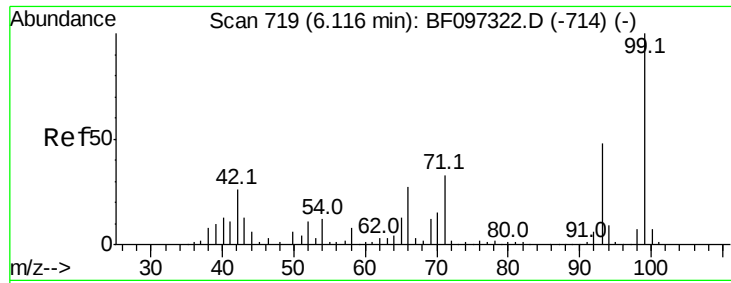


#5

2-Fluorophenol
Concen: 97.256 ng
RT: 5.00 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	46.0	69.0
63	34.5	23.4	35.0





#7

Phenol-d6

Concen: 112.292 ng

RT: 6.09 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097447.D

Acq: 7 Aug 2017 23:41

Instrument :

BNA_F

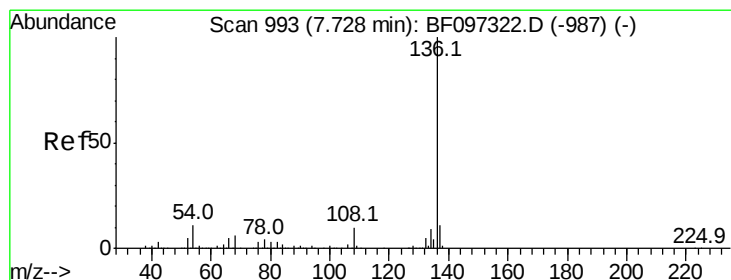
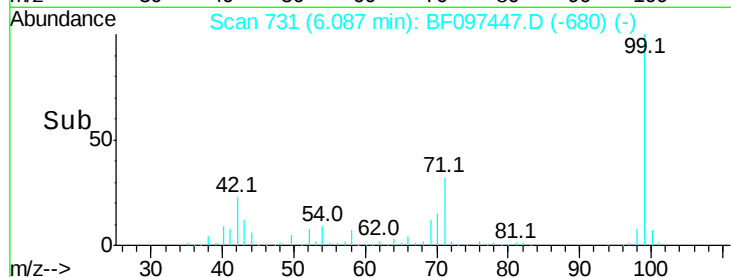
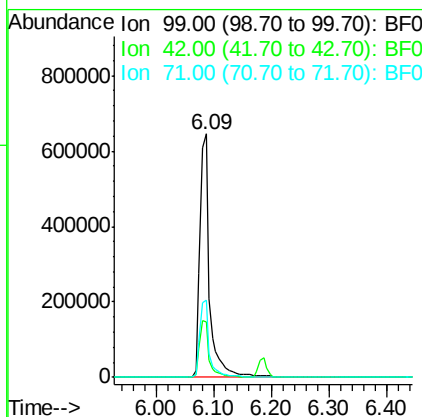
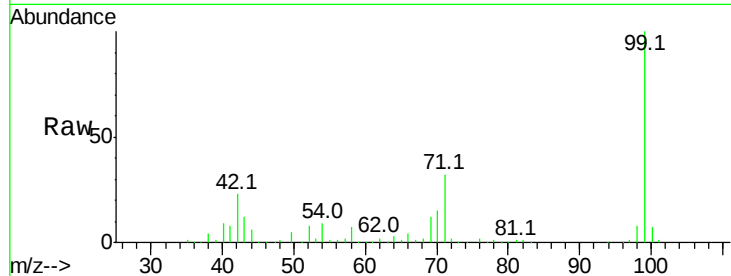
ClientSampled :

303

Tot Ion:	99	Resp:	761300
Ion Ratio	Lower	Upper	
99	100		
42	23.0	13.5	20.3#
71	31.6	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

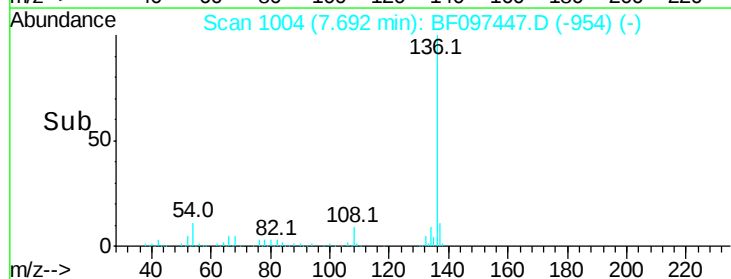
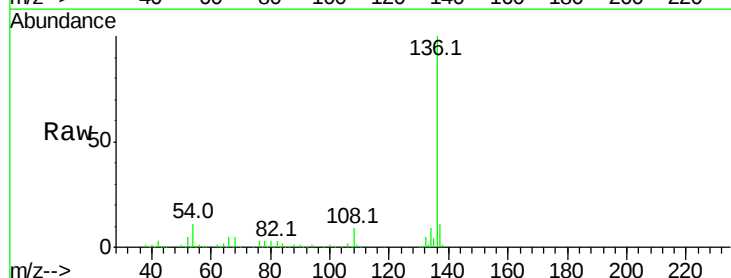
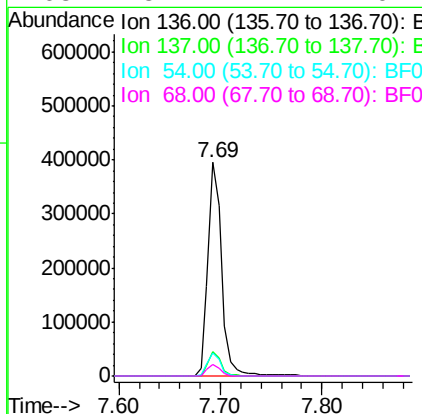
RT: 7.69 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF097447.D

Acq: 7 Aug 2017 23:41

Tgt Ion:	136	Resp:	373251
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	10.8	4.9	7.3#
68	5.4	4.1	6.1





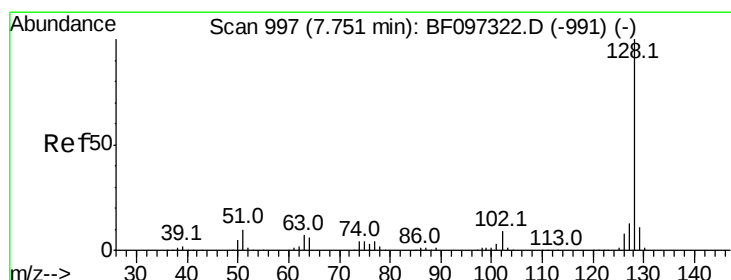
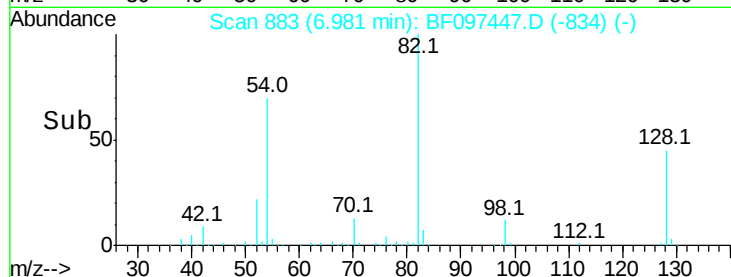
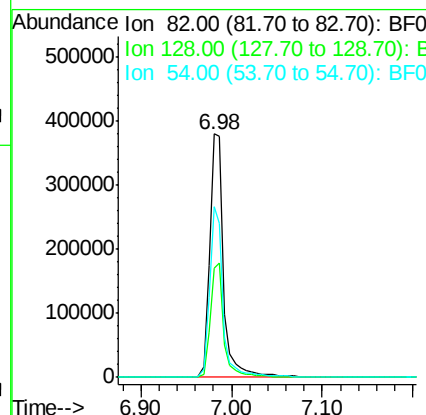
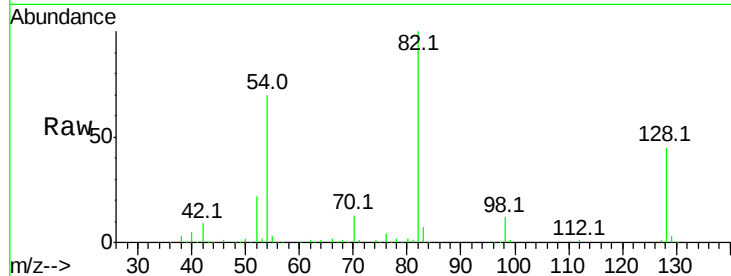
#23
 Nitrobenzene-d5
 Concen: 65.274 ng
 RT: 6.98 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BF097447.D
 Acq: 7 Aug 2017 23:41

Instrument :
 BNA_F
 ClientSampled :
 303

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.0	51.0
54	69.9	42.2	63.2

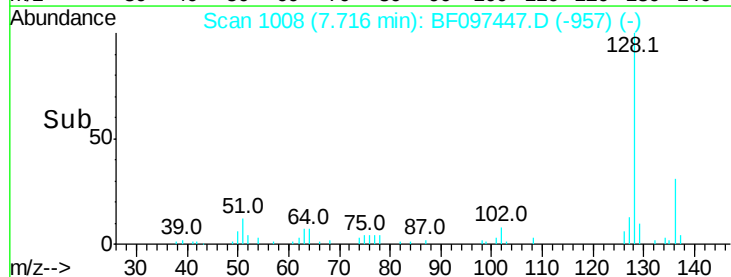
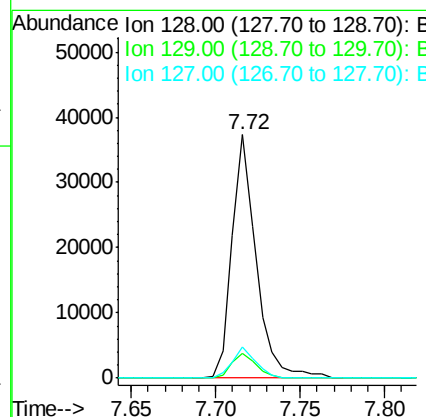
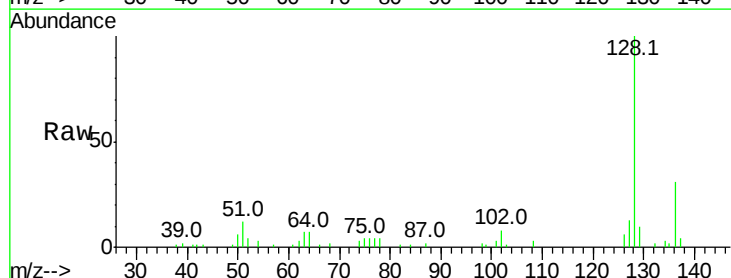
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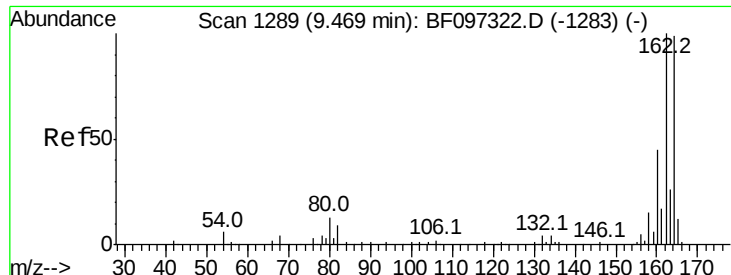
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#31
 Naphthalene
 Concen: 2.109 ng
 RT: 7.72 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: BF097447.D
 Acq: 7 Aug 2017 23:41

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.0	13.6
127	12.6	10.8	16.2





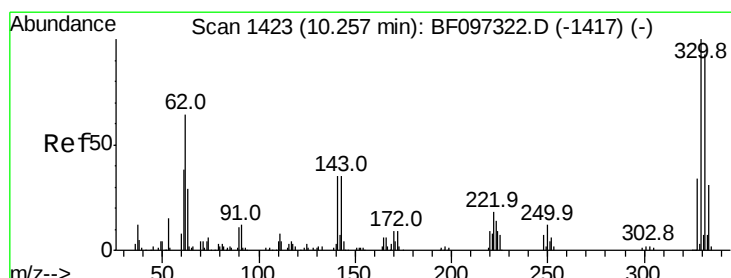
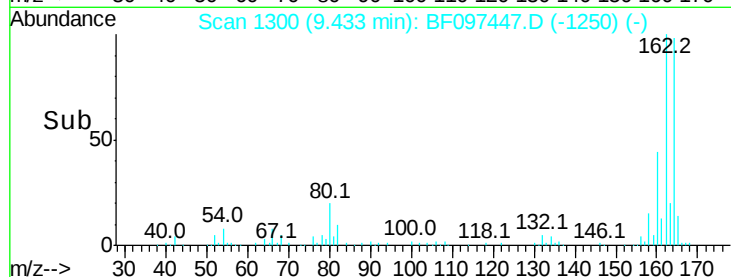
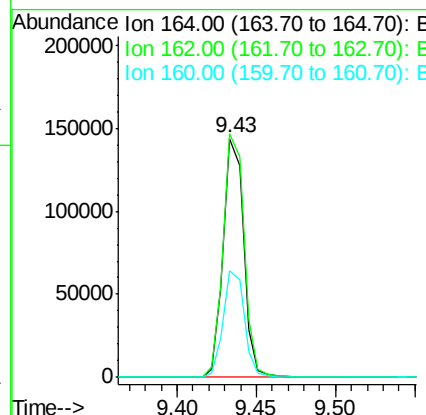
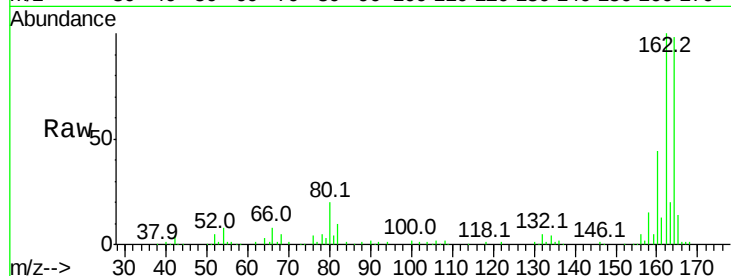
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097447.D
 Acq: 7 Aug 2017 23:41

Instrument :
 BNA_F
 ClientSampled :
 303

Tot Ion	Ratio	Resp	Lower	Upper
164	100	129545		
162	102.0	82.6	123.8	
160	44.7	36.2	54.2	

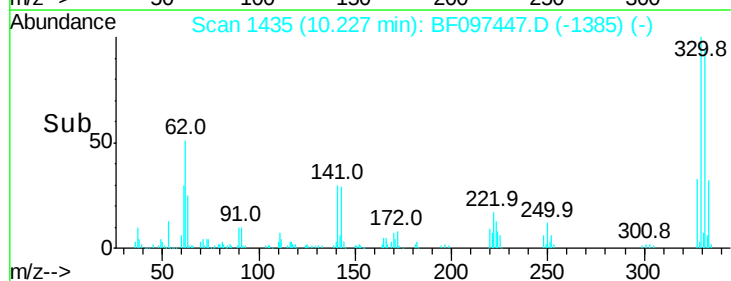
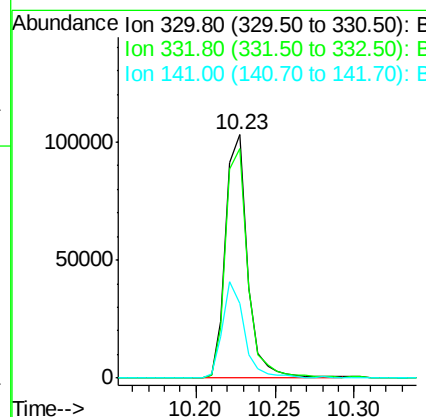
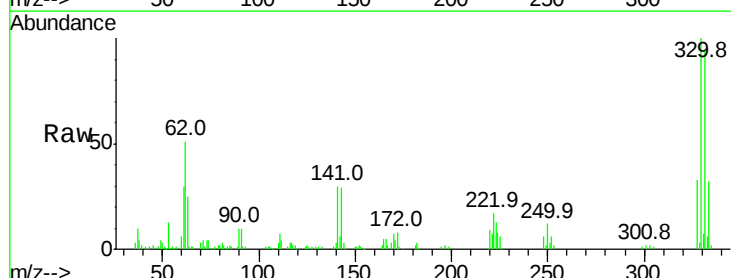
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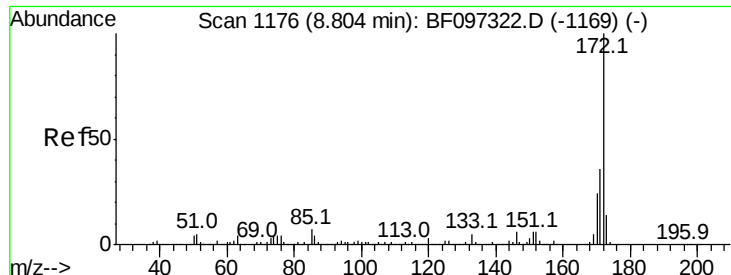
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#41
 2,4,6-Tribromophenol
 Concen: 97.581 ng
 RT: 10.23 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF097447.D
 Acq: 7 Aug 2017 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	99877		
332	97.2	76.6	115.0	
141	39.4	31.4	47.2	





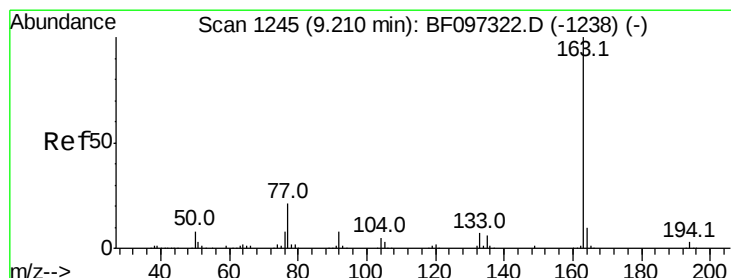
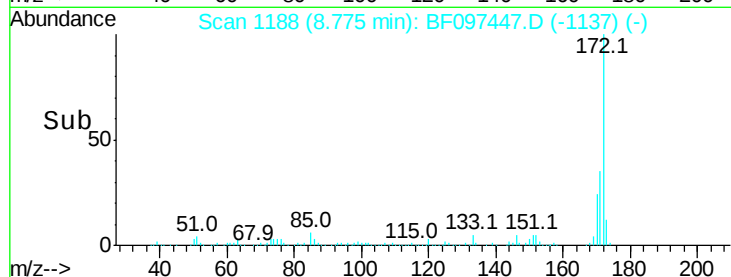
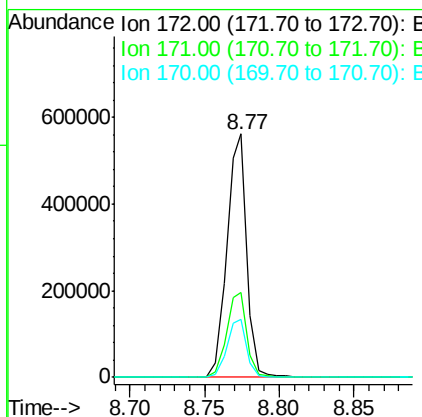
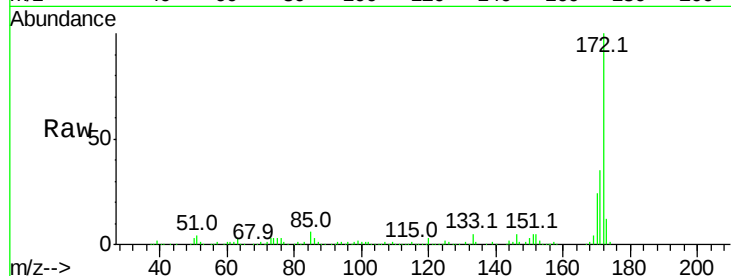
#44
2-Fluorobiphenyl
Concen: 69.425 ng
RT: 8.77 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampled :
303

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	29.6	44.4	
170	23.6	19.8	29.8	

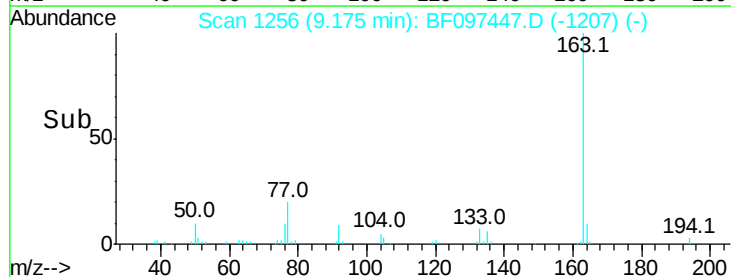
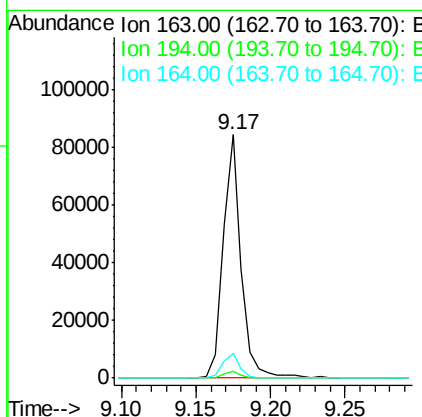
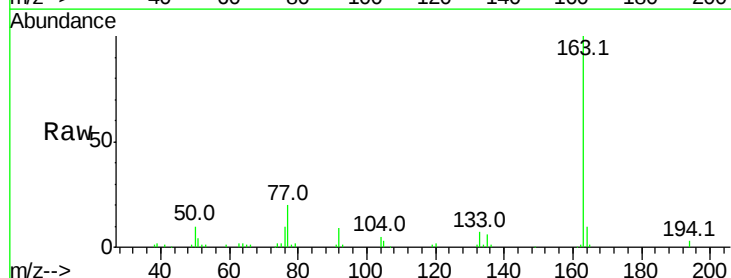
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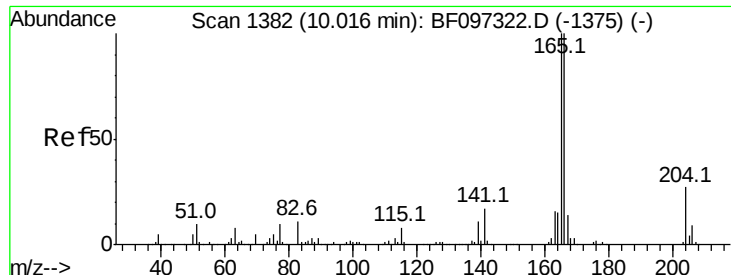
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#49
Dimethylphthalate
Concen: 7.261 ng
RT: 9.17 min Scan# 1256
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	2.8	2.6	4.0	
164	10.4	8.4	12.6	





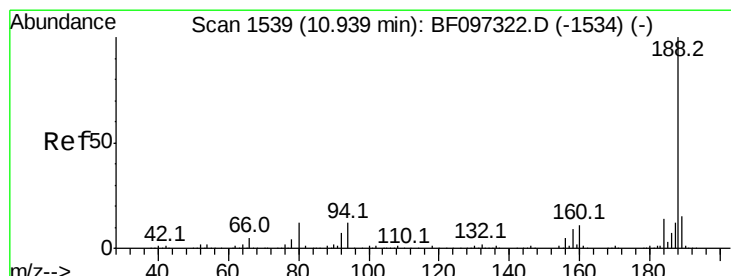
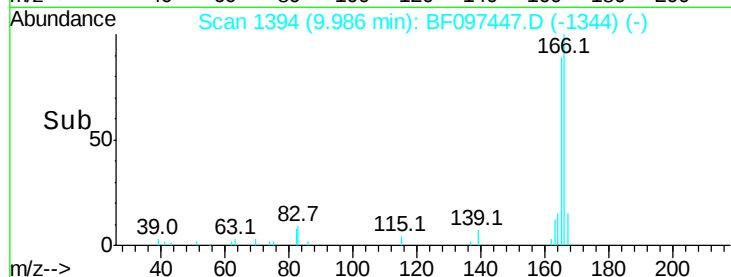
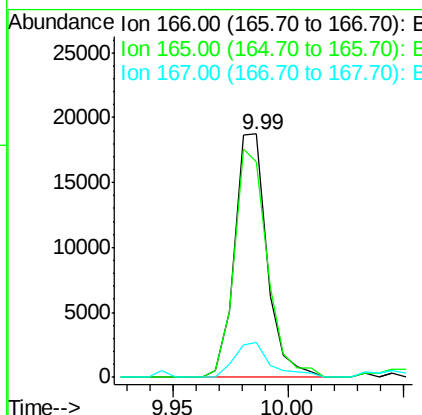
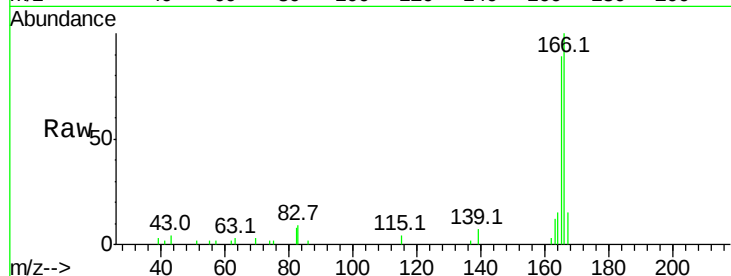
#57
Fluorene
 Concen: 2.497 ng
 RT: 9.99 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF097447.D
 Acq: 7 Aug 2017 23:41

Instrument :
 BNA_F
 ClientSampled :
 303

Tot Ion	Ratio	Resp	Lower	Upper
166	100	18405		
165	88.7		78.8	118.2
167	14.5		10.6	16.0

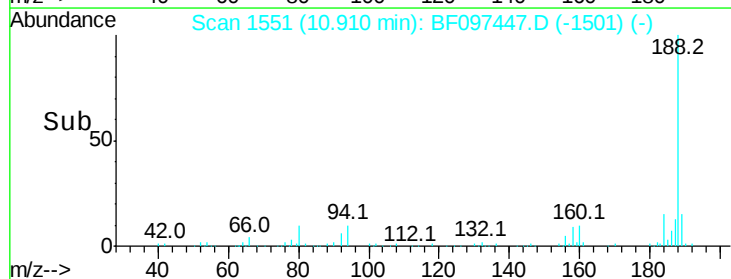
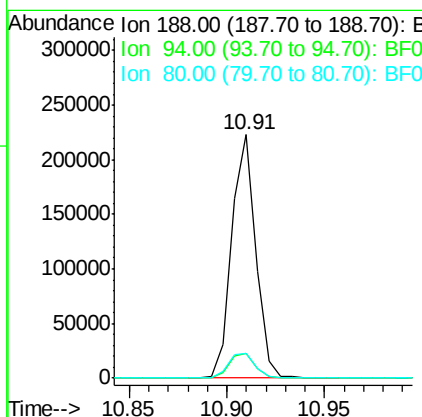
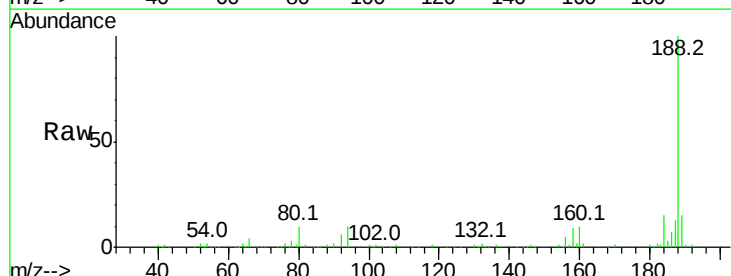
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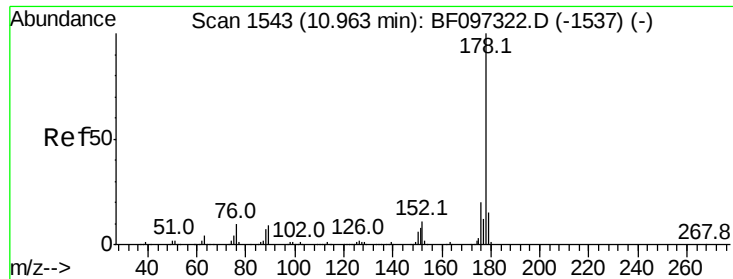
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.91 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF097447.D
 Acq: 7 Aug 2017 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	189949		
94	10.1		9.4	14.2
80	10.2		10.2	15.2





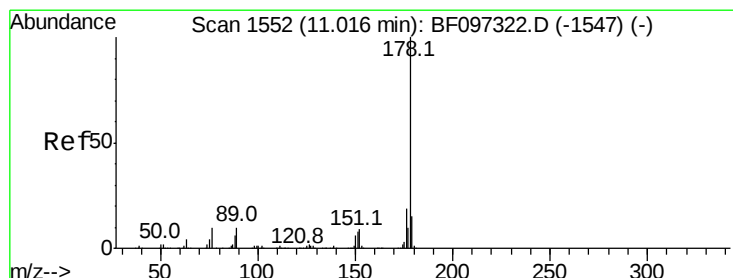
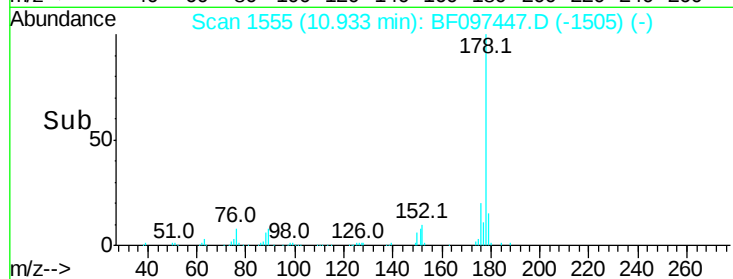
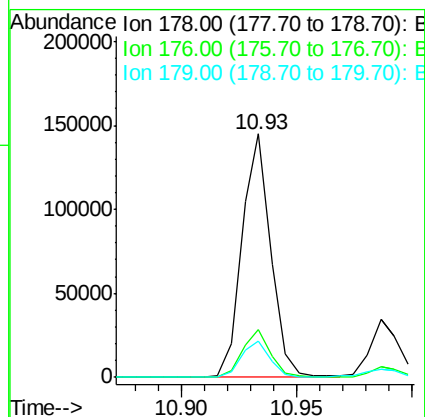
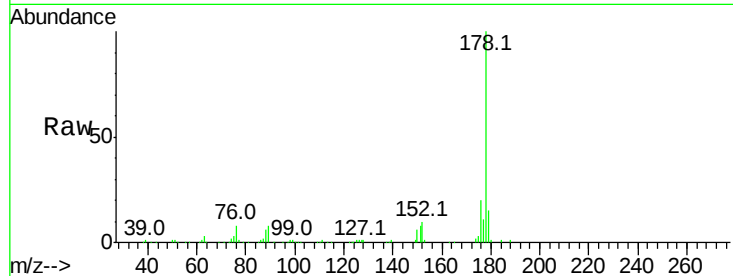
#70
Phenanthrene
Concen: 12.382 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	14.7	12.6	19.0

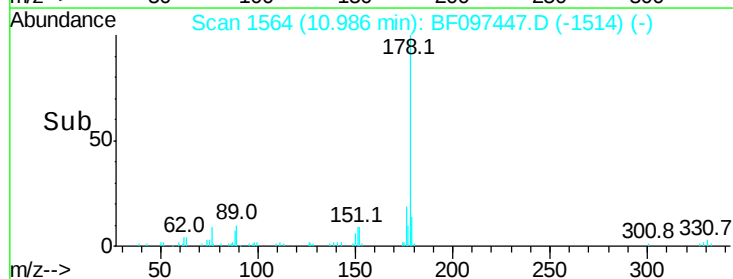
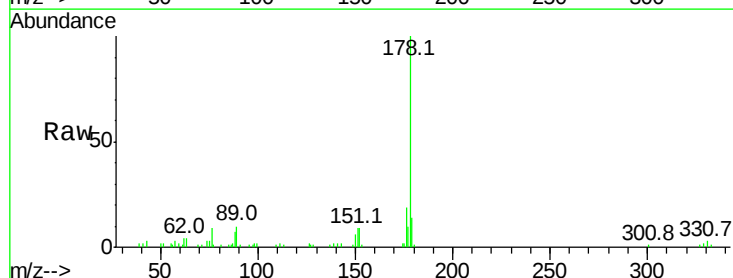
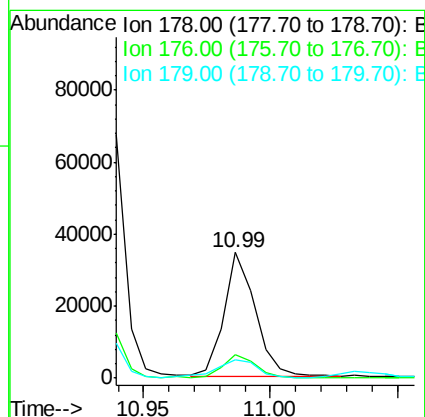
Manual Integrations
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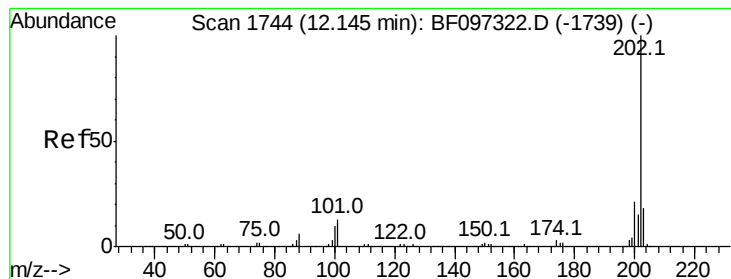
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#71
Anthracene
Concen: 2.845 ng
RT: 10.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.5	12.7	19.1





#74

Fluoranthene

Concen: 17.535 ng

RT: 12.12 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF097447.D

Acq: 7 Aug 2017 23:41

Instrument :

BNA_F

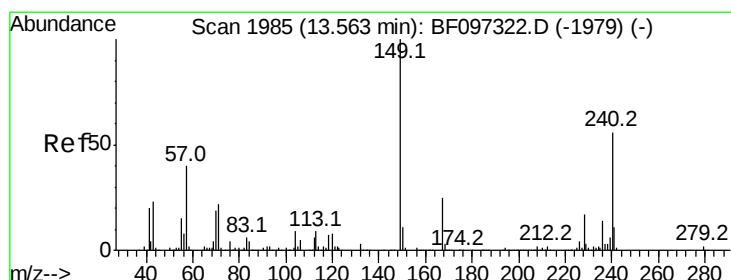
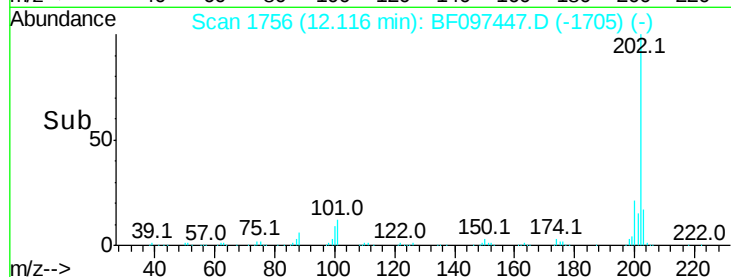
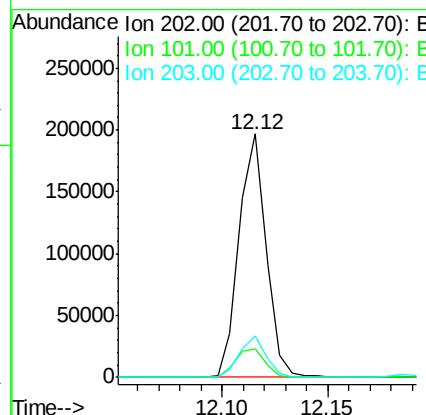
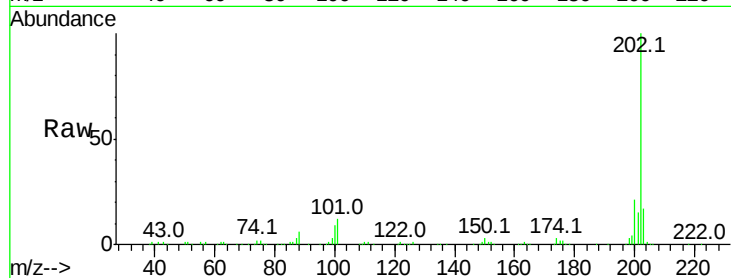
ClientSampled :

303

Tot Ion	Ratio	Resp	Lower	Upper
202	100	174828		
101	11.9	0.0	33.2	
203	17.2	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

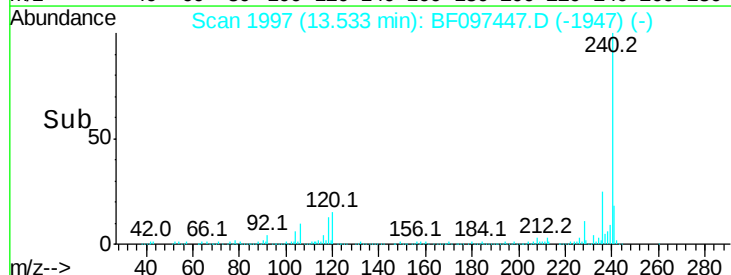
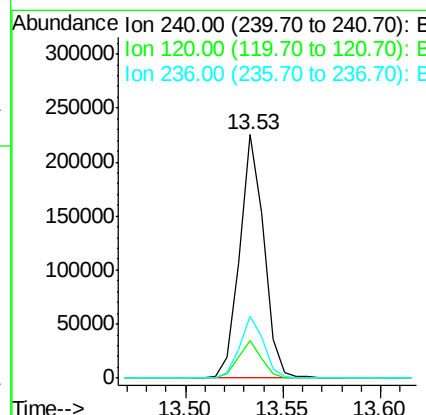
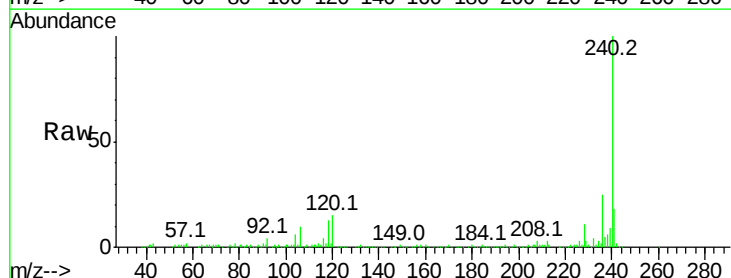
RT: 13.53 min Scan# 1997

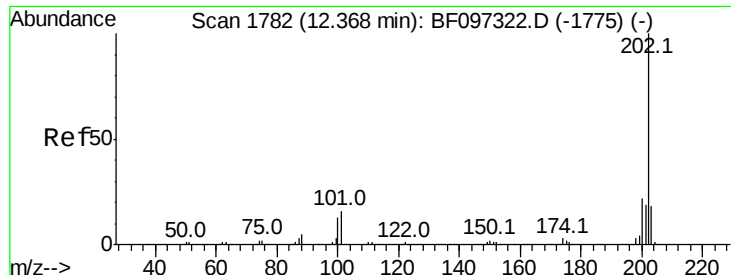
Delta R.T. -0.01 min

Lab File: BF097447.D

Acq: 7 Aug 2017 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	194042		
120	15.2	5.8	8.8#	
236	25.3	20.5	30.7	





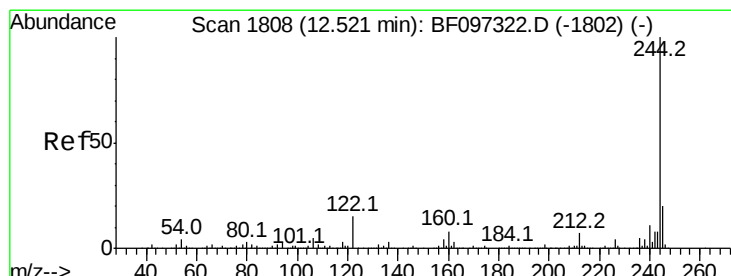
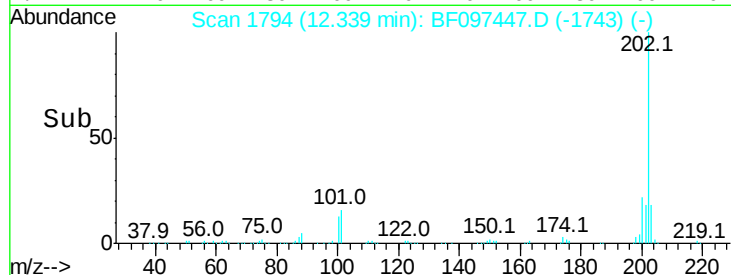
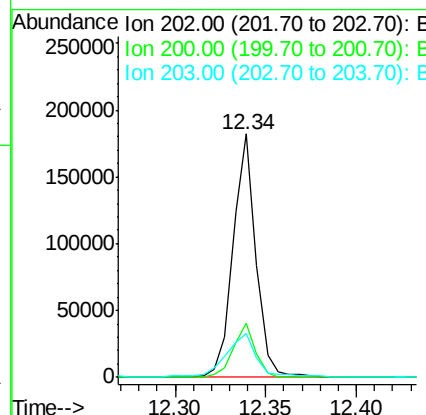
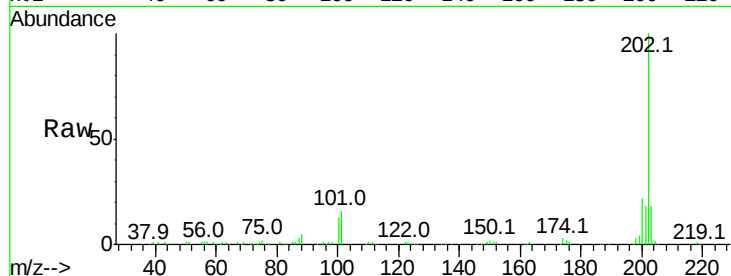
#77
Pvrene
Concen: 10.117 ng
RT: 12.34 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampled :
303

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.0	17.6	26.4
203	17.8	14.4	21.6

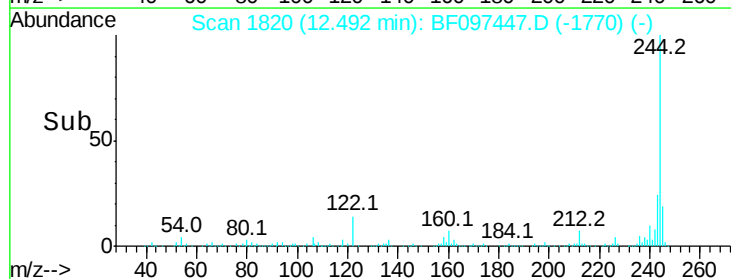
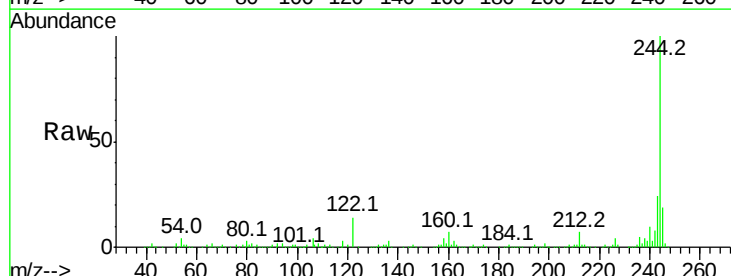
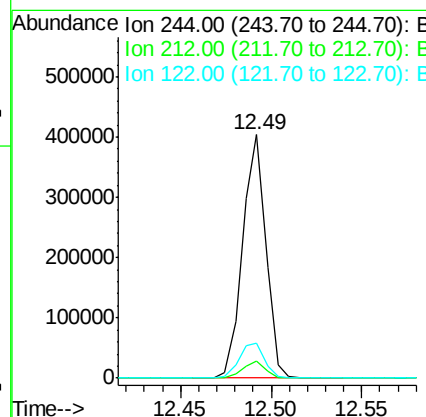
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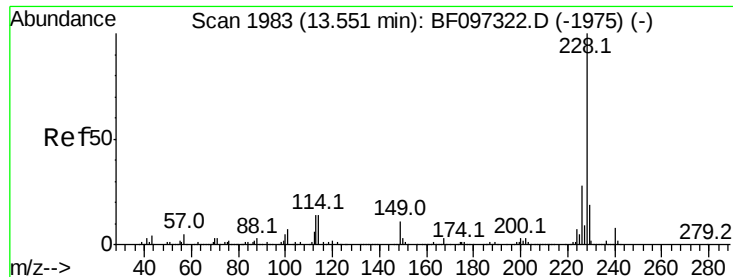
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#78
Terphenyl-d14
Concen: 37.693 ng
RT: 12.49 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.2	10.3	15.5





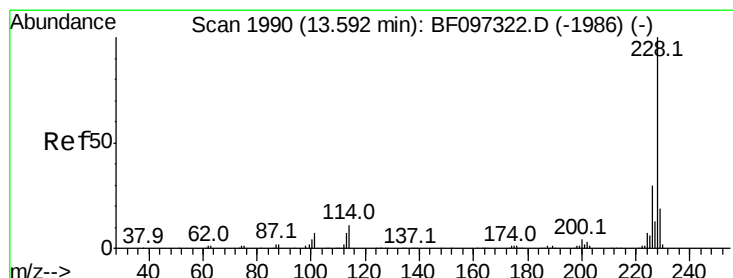
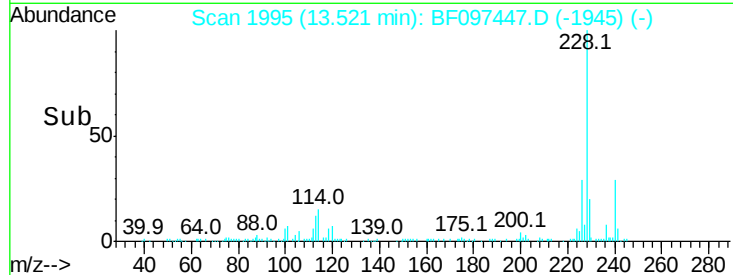
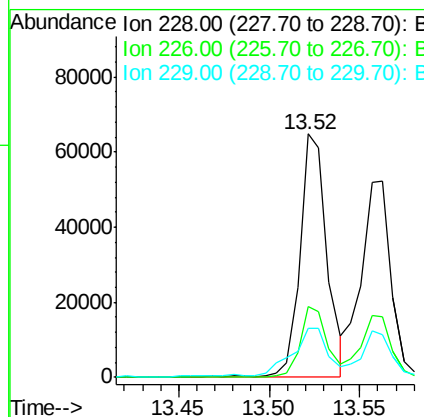
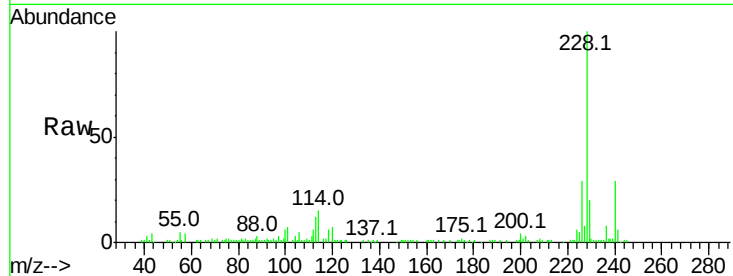
#80
Benzo(a)anthracene
Concen: 5.412 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tot Ion:228	Resp:	67955
Ion Ratio	Lower	Upper
228 100		
226 29.1	22.6	33.8
229 20.1	16.3	24.5

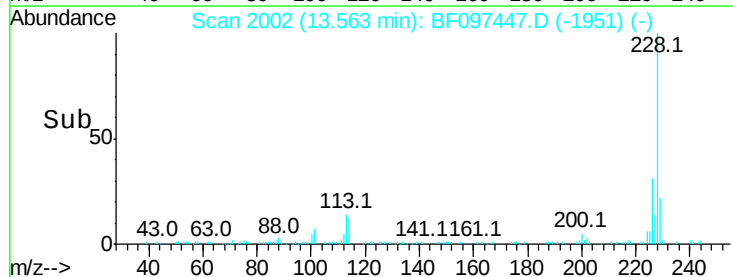
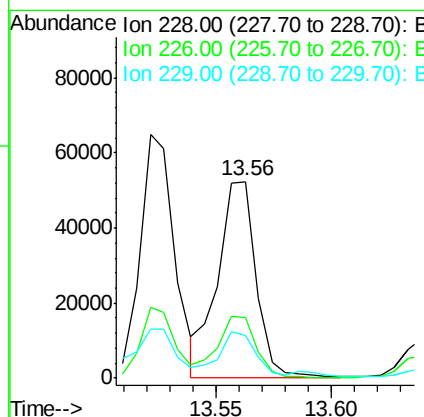
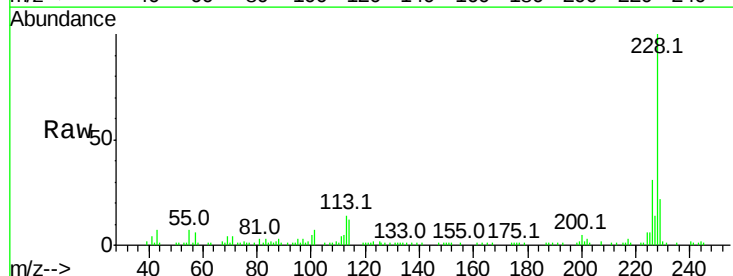
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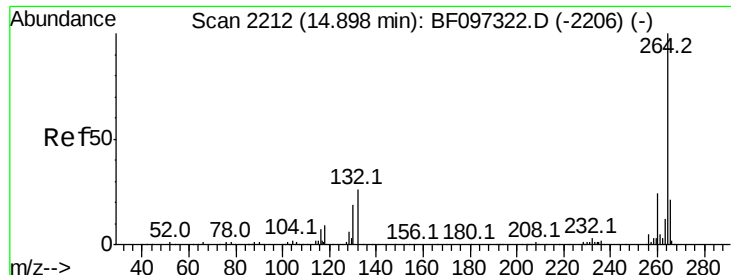
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#82
Chrysene
Concen: 4.978 ng
RT: 13.56 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF097447.D
Acq: 7 Aug 2017 23:41

Tgt Ion:228	Resp:	61025
Ion Ratio	Lower	Upper
228 100		
226 31.0	24.9	37.3
229 21.5	15.8	23.6





#86

Pervlene-d12

Concen: 20.000 ng

RT: 14.87 min Scan# 2225

Delta R.T. 0.01 min

Lab File: BF097447.D

Acq: 7 Aug 2017 23:41

Instrument :

BNA_F

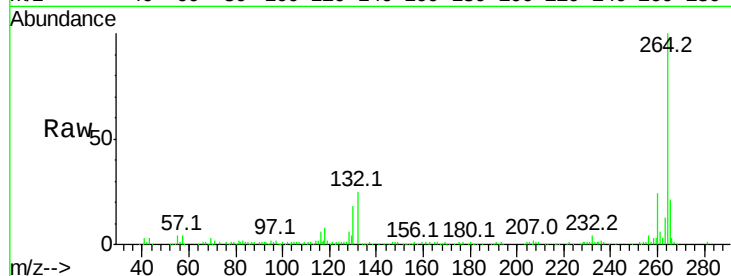
ClientSampled :

303

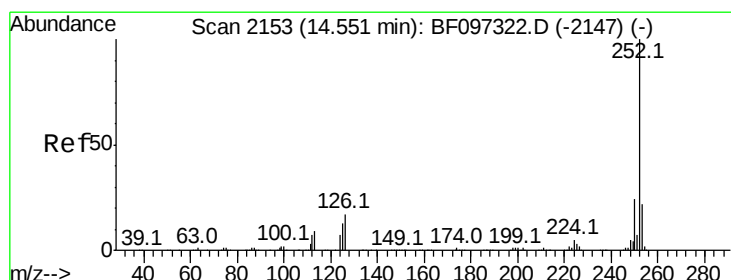
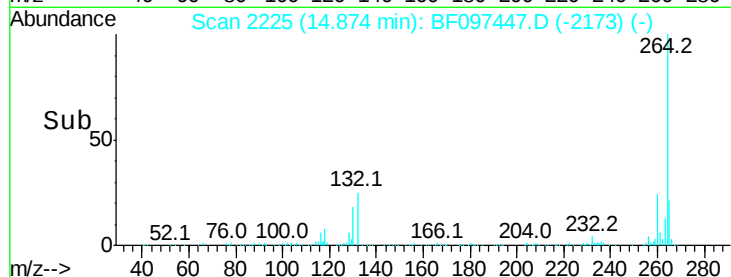
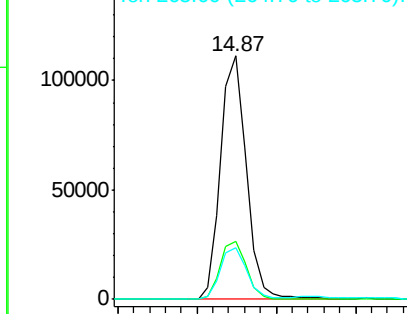
Tot Ion:	264	Resp:	126393
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.0	17.2	25.8

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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: 6.877 ng m

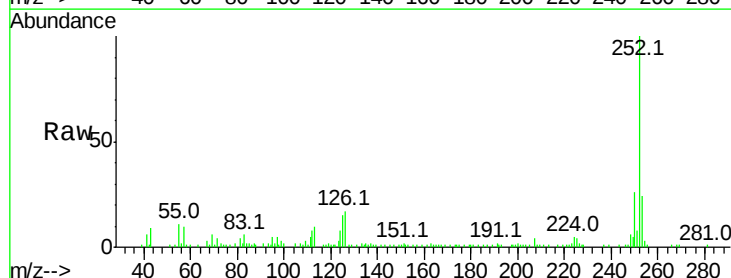
RT: 14.53 min Scan# 2166

Delta R.T. 0.00 min

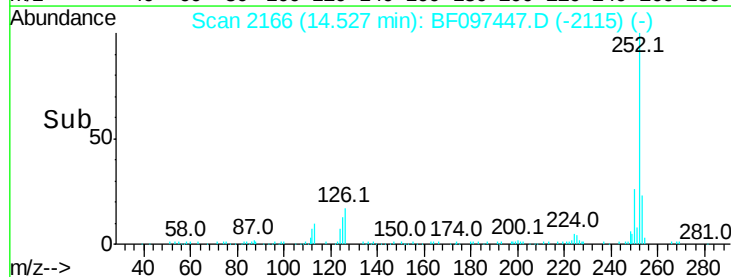
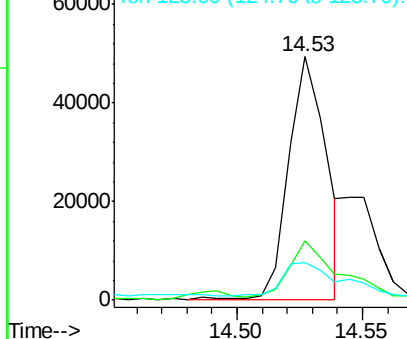
Lab File: BF097447.D

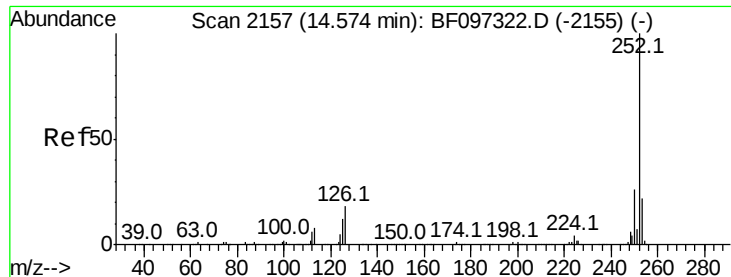
Acq: 7 Aug 2017 23:41

Tgt Ion:	252	Resp:	52247
Ion Ratio		Lower	Upper
252	100		
253	24.2	18.1	27.1
125	15.4	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: 2.908 ng/mL

RT: 14.54 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF097447.D

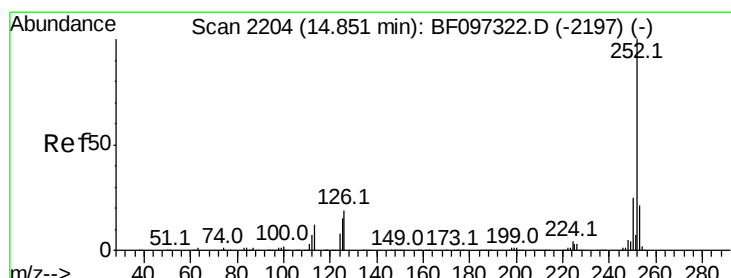
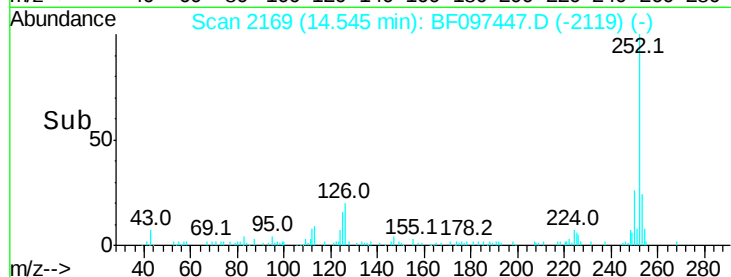
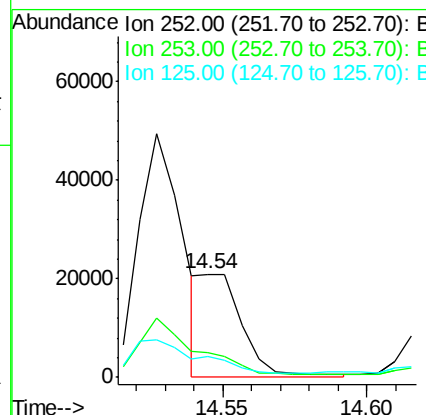
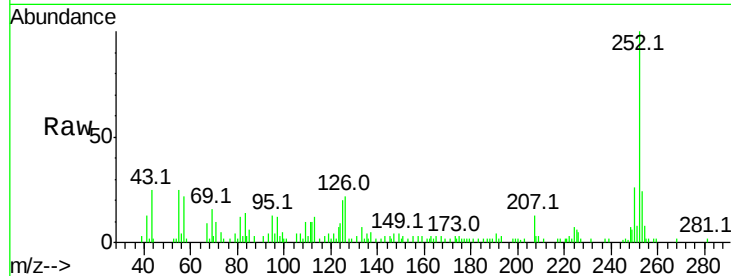
Acq: 7 Aug 2017 23:41

Instrument :
BNA_F
ClientSampleId :
303

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	20.2	13.1	19.7

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#89

Benzo(a)pyrene

Concen: 5.462 ng/mL

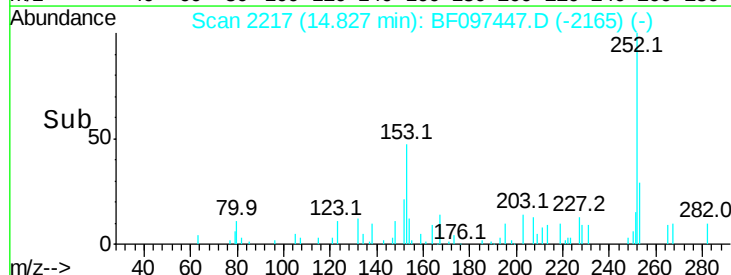
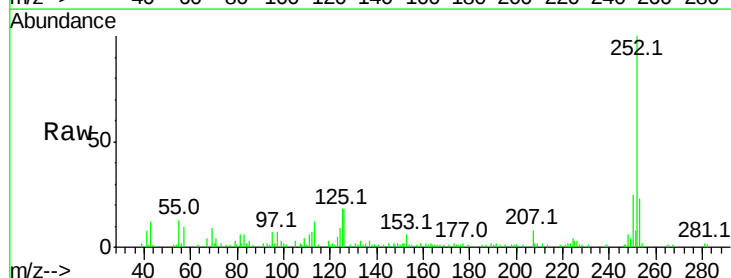
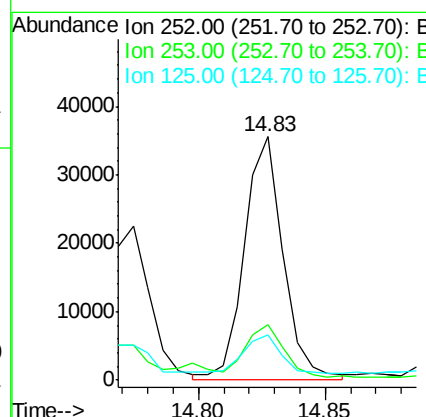
RT: 14.83 min Scan# 2217

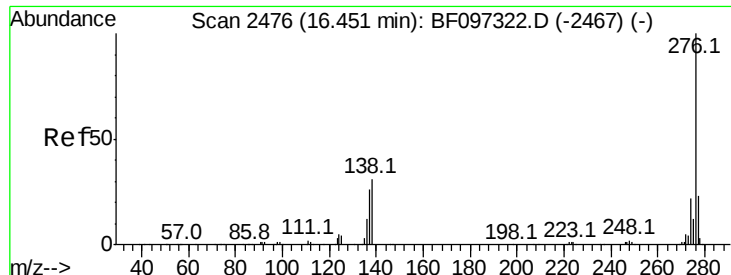
Delta R.T. 0.01 min

Lab File: BF097447.D

Acq: 7 Aug 2017 23:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	18.3	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 2.882 ng

RT: 16.43 min Scan# 2489

Delta R.T. 0.02 min

Lab File: BF097447.D

Acq: 7 Aug 2017 23:41

Instrument :

BNA_F

ClientSampleId :

303

Tot Ion:	276	Resp:	17234
Ion Ratio	Lower	Upper	
276	100		
277	26.5	18.6	28.0
138	30.0	25.4	38.0

Manual Integrations
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