

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097350.D
 Acq On : 4 Aug 2017 9:31
 Operator : SJ/JU
 Sample : I4540-05DL 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12020DL

Manual Integrations
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Quant Time: Aug 04 11:52:01 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	6.45	152	104576	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	385186	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	135485	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	206350	20.00	ng	-0.06
75) Chrysene-d12	13.57	240	151728	20.00	ng	-0.06
86) Perylene-d12	14.91	264	113028	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.05	112	206940	29.83	ng	-0.05
7) Phenol-d6	6.12	99	256481	32.39	ng	-0.05
23) Nitrobenzene-d5	7.02	82	151197	23.03	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	34181	31.93	ng	-0.06
44) 2-Fluorobiphenyl	8.80	172	249060	31.20	ng	-0.06
78) Terphenyl-d14	12.52	244	161760	21.74	ng	-0.06

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.20	163	34685	3.371	ng	97
51) Acenaphthene	9.50	154	27526	3.575	ng	97
57) Fluorene	10.02	166	24279	3.150	ng	# 94
70) Phenanthrene	10.97	178	369704	33.438	ng	99
71) Anthracene	11.02	178	105752	9.339	ng	98
74) Fluoranthene	12.15	202	625218	57.723	ng	98
77) Pyrene	12.37	202	649597	52.296	ng	99
80) Benzo(a)anthracene	13.56	228	291080	29.649	ng	98
82) Chrysene	13.59	228	270674	28.235	ng	96
85) Indeno(1,2,3-cd)pyrene	16.12	276	96488	11.738	ng	95
87) Benzo(b)fluoranthene	14.56	252	263196m	38.737	ng	
88) Benzo(k)fluoranthene	14.58	252	78549m	12.132	ng	
89) Benzo(a)pyrene	14.86	252	191648	30.820	ng	97
90) Dibenzo(a,h)anthracene	16.12	278	26381	5.173	ng	93
91) Benzo(a,h,i)perylene	16.47	276	94753	17.719	ng	97

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

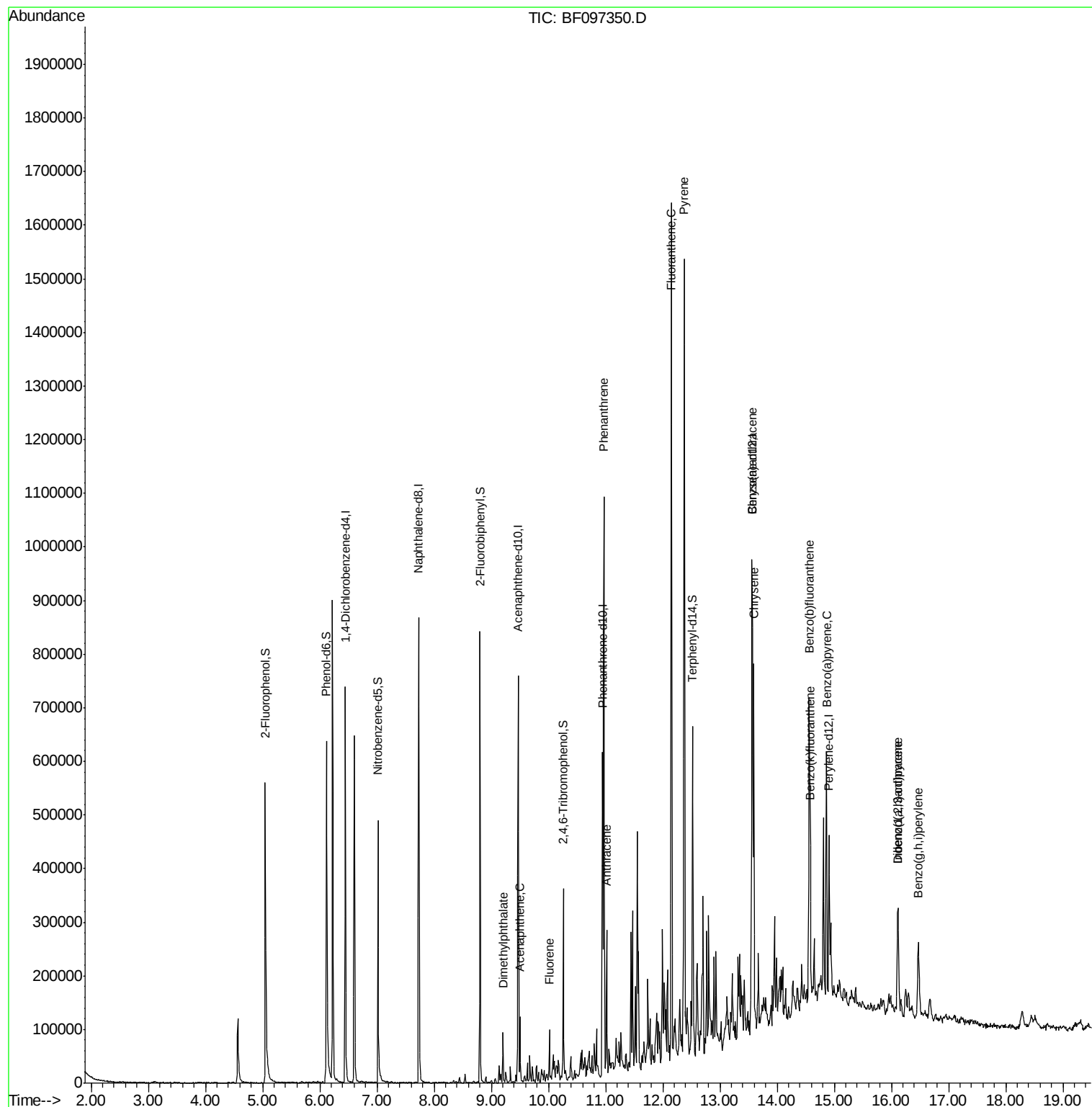
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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ALS Vial : 29 Sample Multiplier: 1

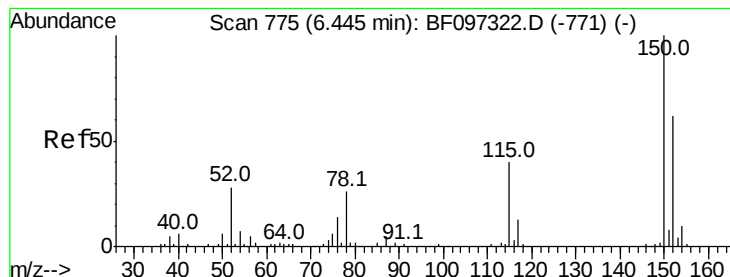
Instrument :
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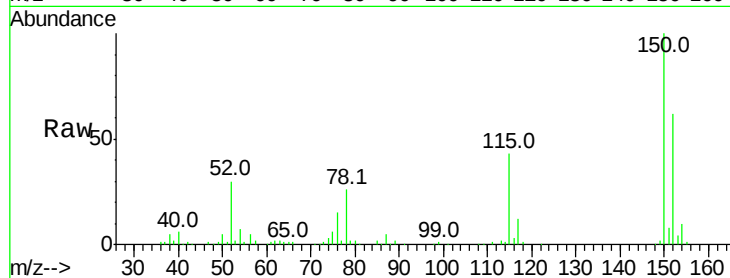
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.45 min Scan# 775
 Delta R.T. -0.05 min
 Lab File: BF097350.D
 Acq: 4 Aug 2017 9:31

Instrument :
 BNA_F
 ClientSampleID :
 72-12020DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	126.2	189.2
115	69.0	52.2	78.2

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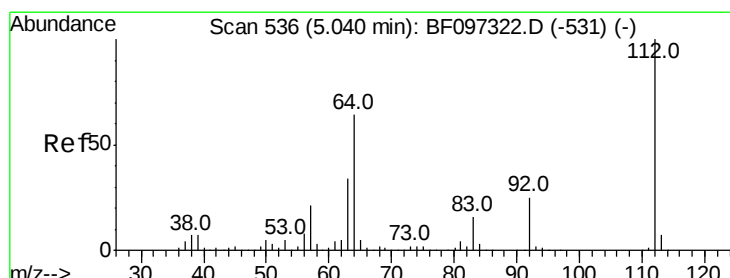
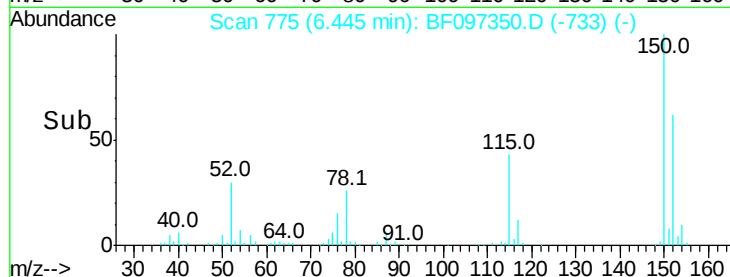
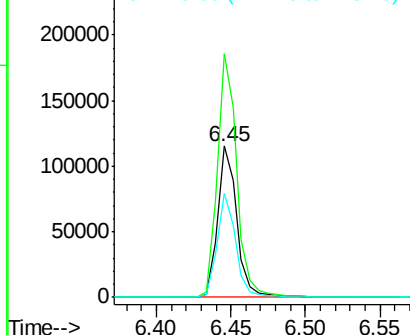


Abundance

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



#5
 2-Fluorophenol
 Concen: 29.831 ng
 RT: 5.05 min Scan# 537
 Delta R.T. -0.05 min
 Lab File: BF097350.D
 Acq: 4 Aug 2017 9:31

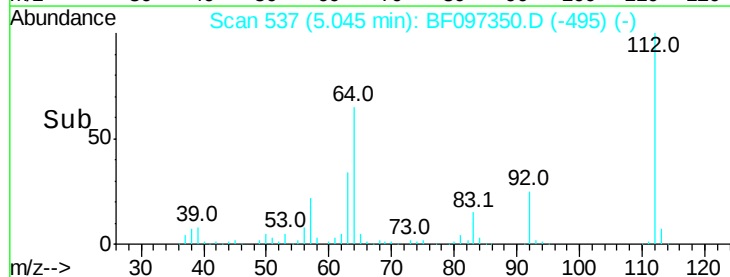
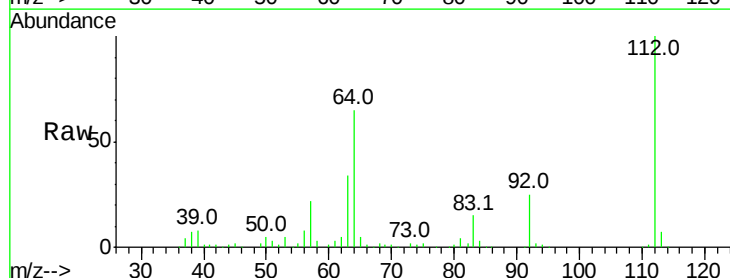
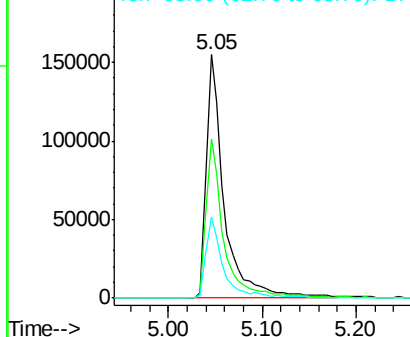
Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	46.0	69.0
63	33.5	23.4	35.0

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: 32.386 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097350.D

Acq: 4 Aug 2017 9:31

Instrument :

BNA_F

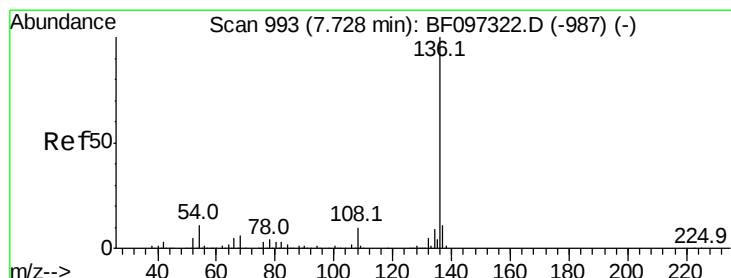
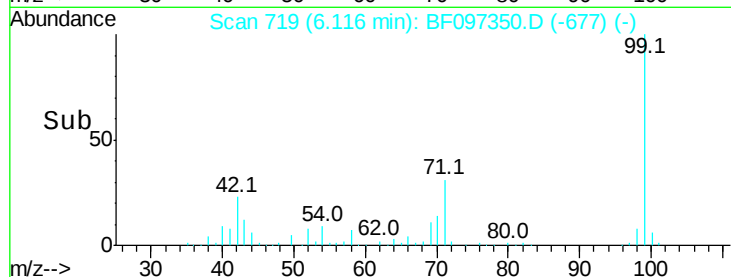
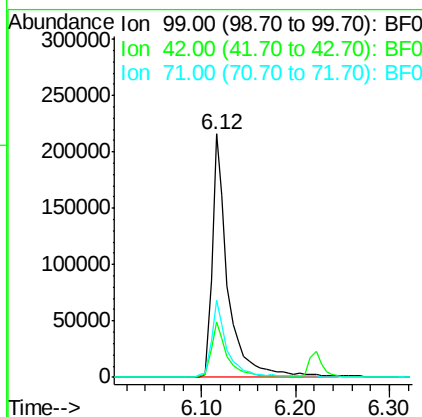
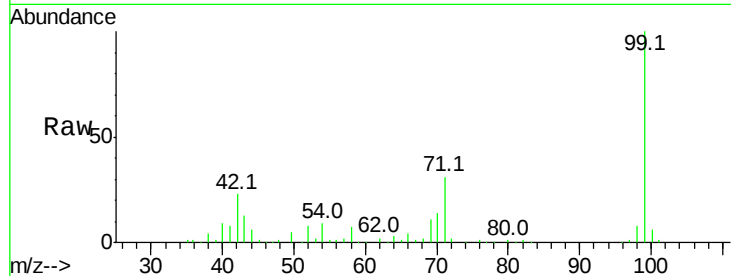
ClientSampled :

72-12020DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		256481		
42	23.0	13.5	20.3#		
71	31.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

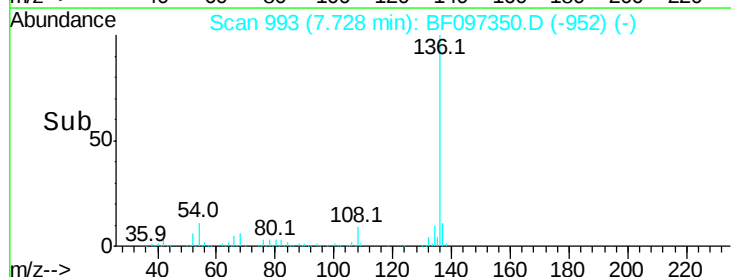
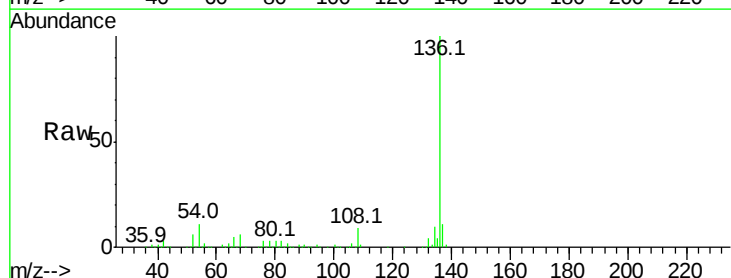
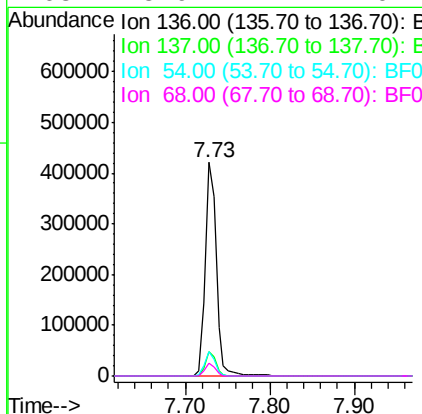
RT: 7.73 min Scan# 993

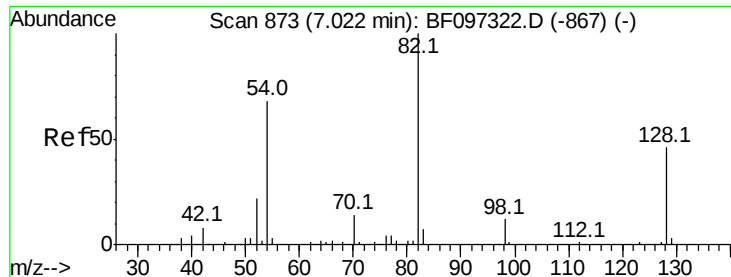
Delta R.T. -0.06 min

Lab File: BF097350.D

Acq: 4 Aug 2017 9:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		385186		
137	11.2	8.5	12.7		
54	11.4	4.9	7.3#		
68	5.9	4.1	6.1		





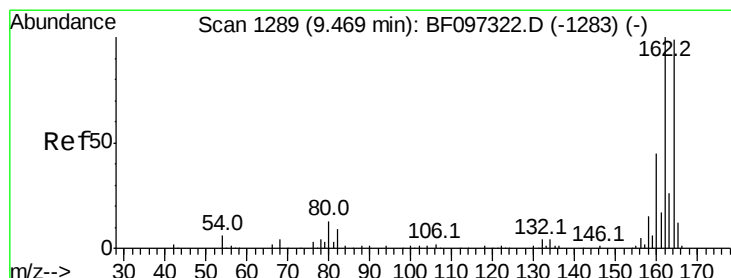
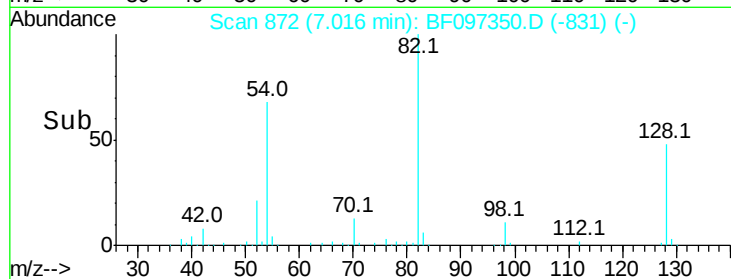
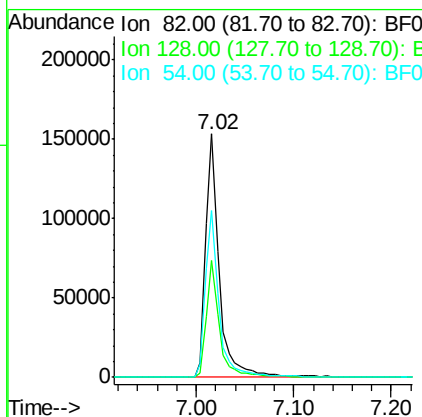
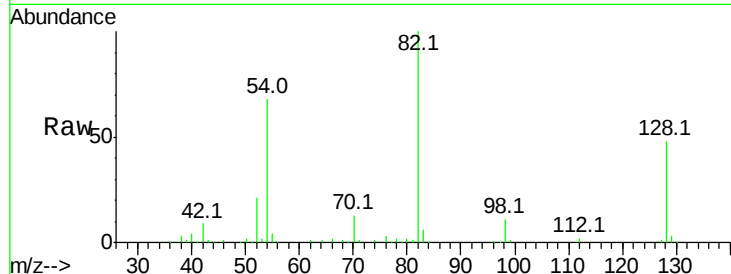
#23
 Nitrobenzene-d5
 Concen: 23.027 ng
 RT: 7.02 min Scan# 872
 Delta R.T. -0.06 min
 Lab File: BF097350.D
 Acq: 4 Aug 2017 9:31

Instrument :
 BNA_F
 ClientSampleID :
 72-12020DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.0	51.0
54	68.4	42.2	63.2

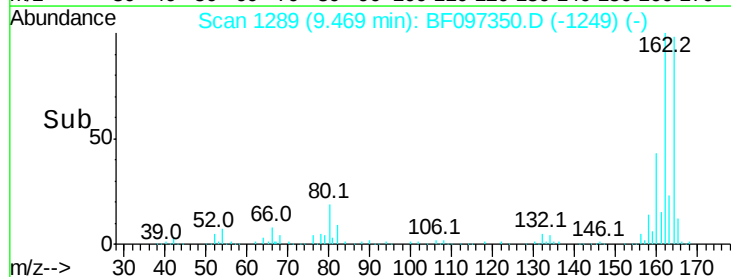
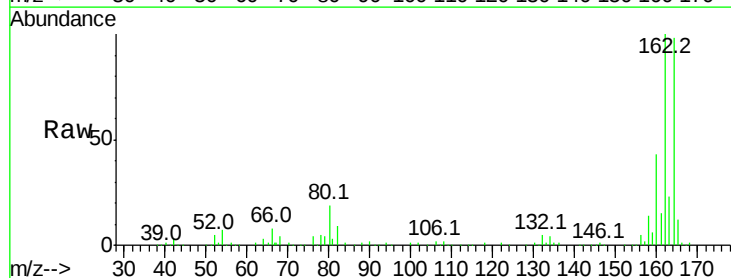
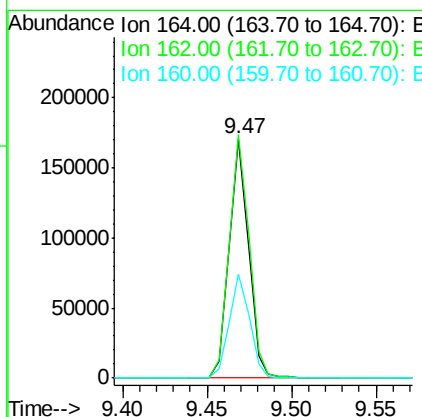
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.06 min
 Lab File: BF097350.D
 Acq: 4 Aug 2017 9:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.6	123.8
160	43.8	36.2	54.2





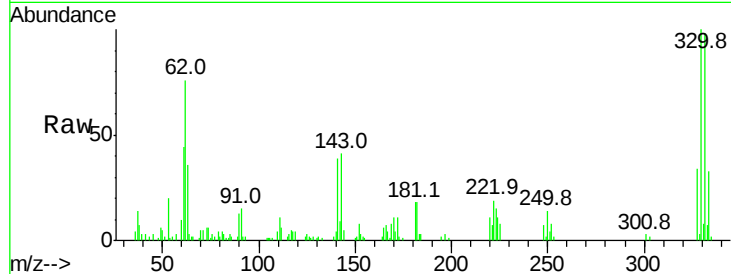
#41
 2,4,6-Tribromophenol
 Concen: 31.931 ng
 RT: 10.26 min Scan# 1423
 Delta R.T. -0.06 min
 Lab File: BF097350.D
 Acq: 4 Aug 2017 9:31

Instrument :
 BNA_F
 ClientSampleId :
 72-12020DL

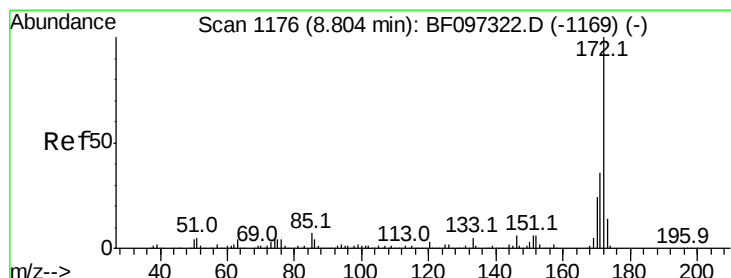
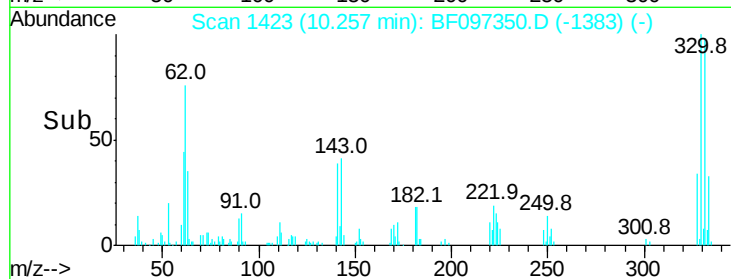
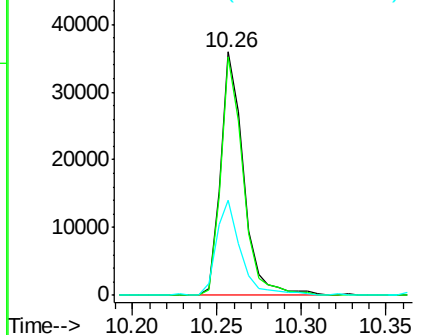
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	76.6	115.0	
141	41.9	31.4	47.2	

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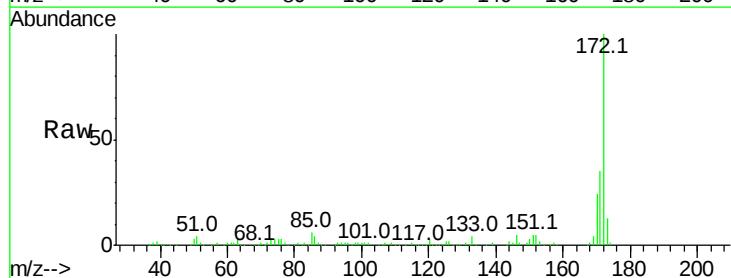


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

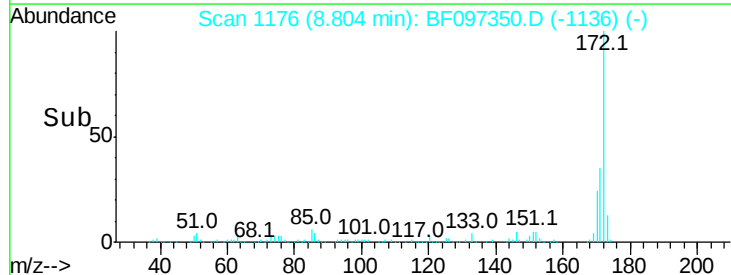
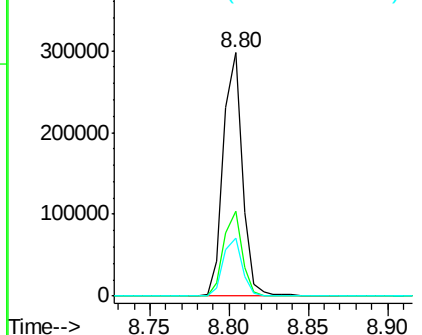


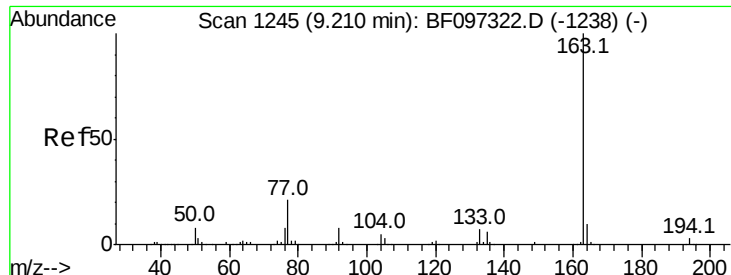
#44
 2-Fluorobiphenyl
 Concen: 31.197 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.06 min
 Lab File: BF097350.D
 Acq: 4 Aug 2017 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	29.6	44.4	
170	23.6	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





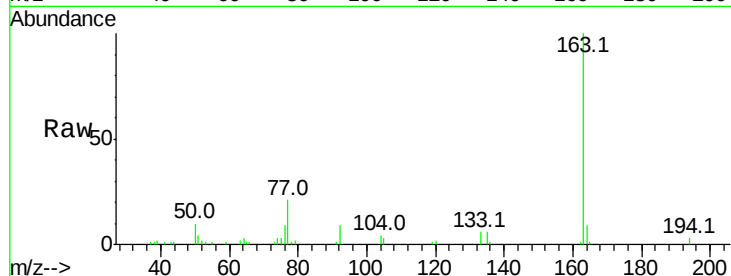
#49
Dimethylphthalate
Concen: 3.371 ng
RT: 9.20 min Scan# 1244
Delta R.T. -0.07 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Instrument :
BNA_F
ClientSampleId :
72-12020DL

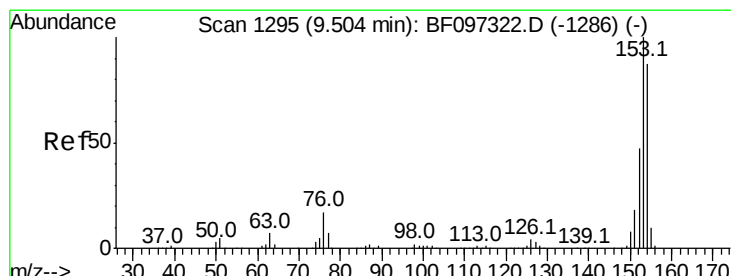
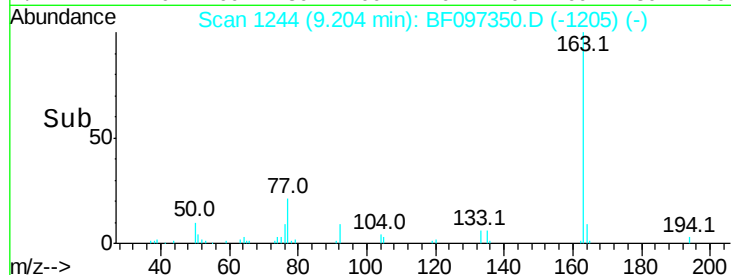
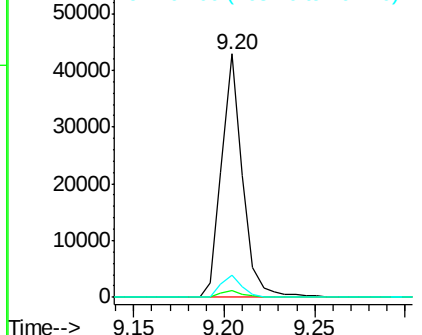
Tot Ion:	163	Resp:	34685
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	9.2	8.4	12.6

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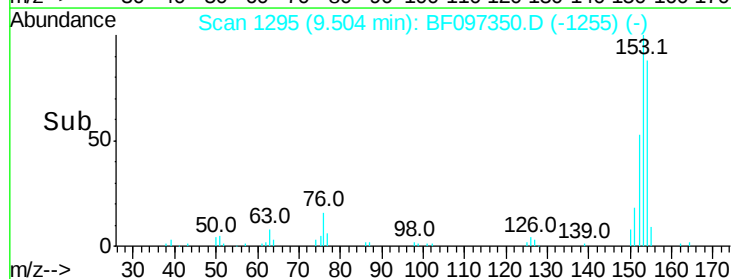
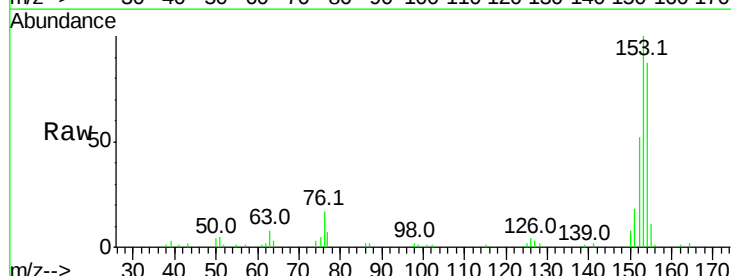
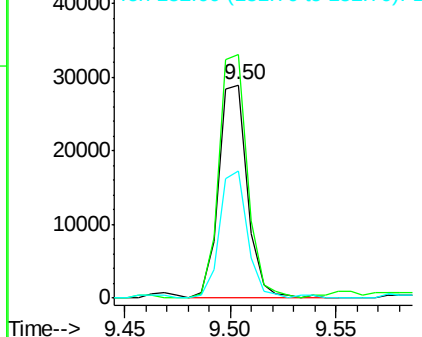
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

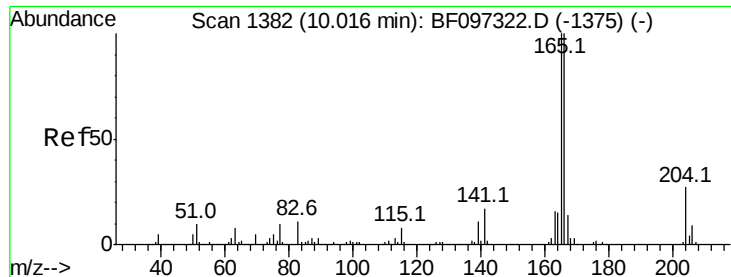


#51
Acenaphthene
Concen: 3.575 ng
RT: 9.50 min Scan# 1295
Delta R.T. -0.06 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Tgt Ion:	154	Resp:	27526
Ion Ratio	Lower	Upper	
154	100		
153	114.3	90.5	135.7
152	59.7	43.6	65.4

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





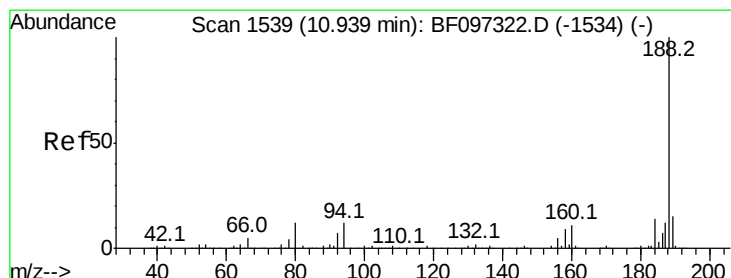
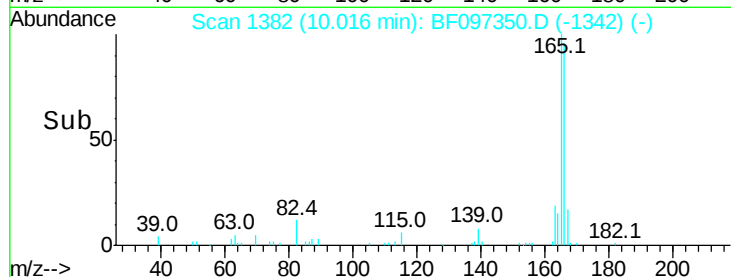
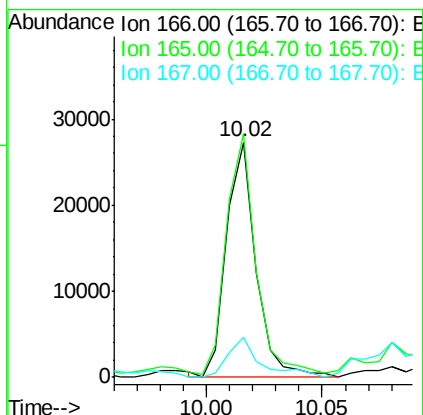
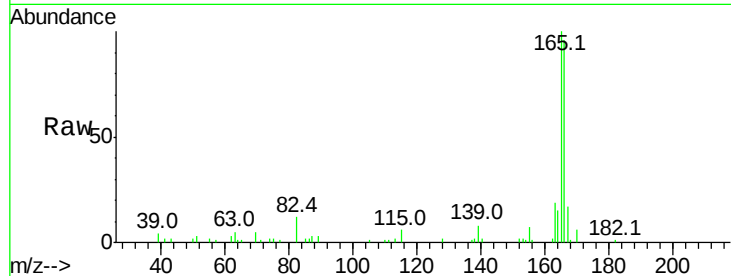
#57
Fluorene
 Concen: 3.150 ng
 RT: 10.02 min Scan# 1382
 Delta R.T. -0.06 min
 Lab File: BF097350.D
 Acq: 4 Aug 2017 9:31

Instrument :
 BNA_F
 ClientSampleId :
 72-12020DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.6	78.8	118.2
167	17.3	10.6	16.0

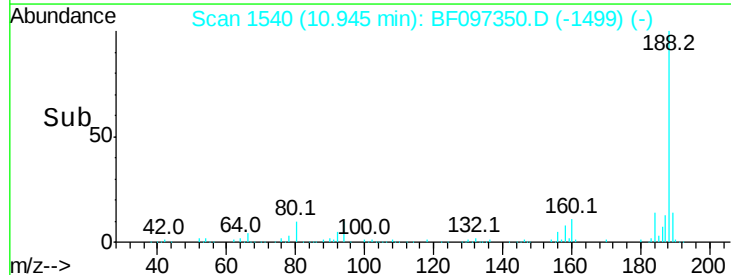
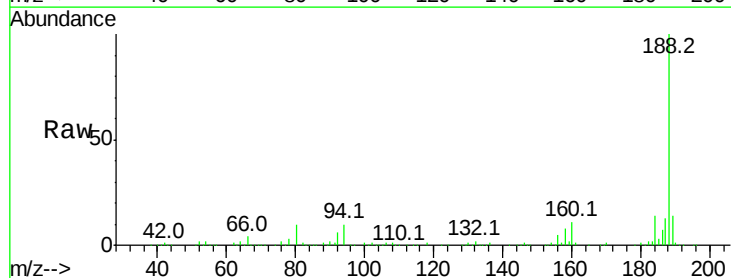
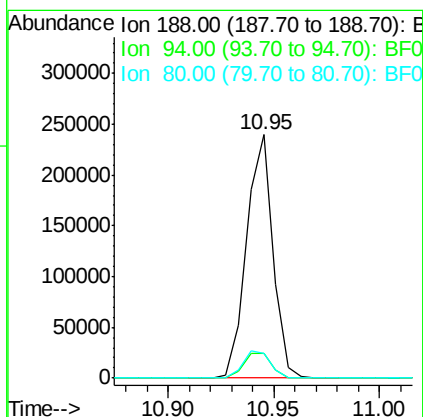
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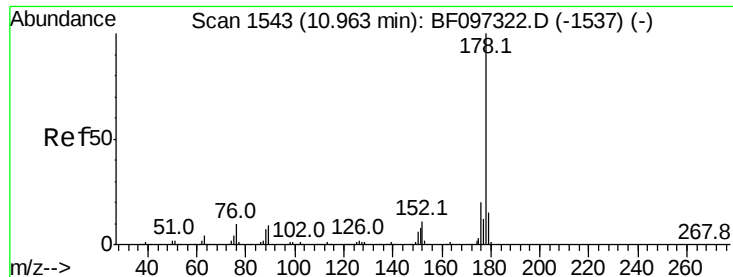
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.95 min Scan# 1540
 Delta R.T. -0.06 min
 Lab File: BF097350.D
 Acq: 4 Aug 2017 9:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	9.4	14.2
80	10.4	10.2	15.2





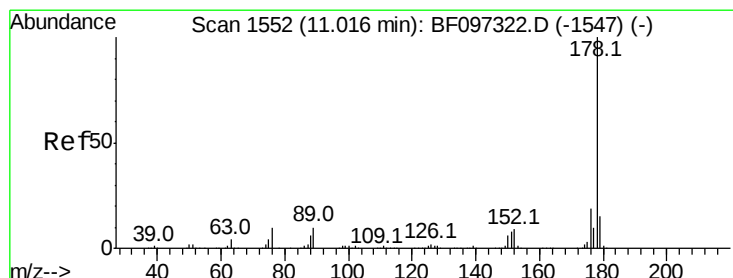
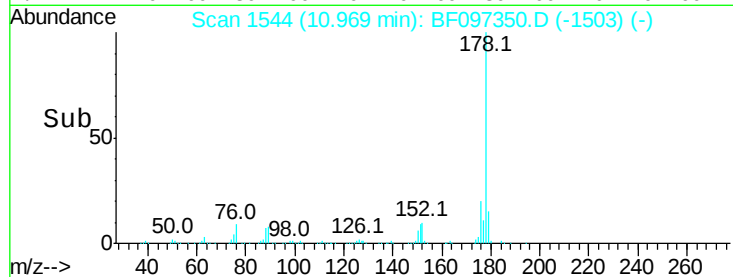
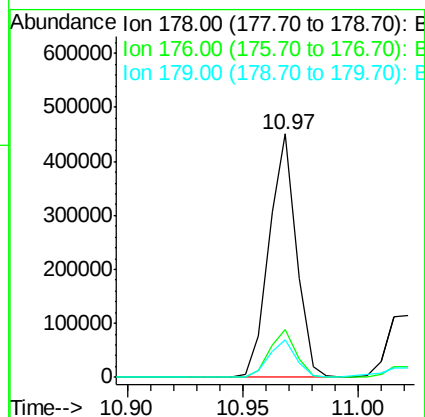
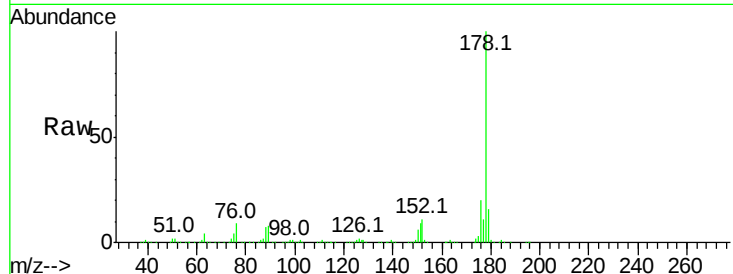
#70
Phenanthrene
Concen: 33.438 ng
RT: 10.97 min Scan# 1544
Delta R.T. -0.06 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Instrument :
BNA_F
ClientSampleId :
72-12020DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.5	12.6	19.0

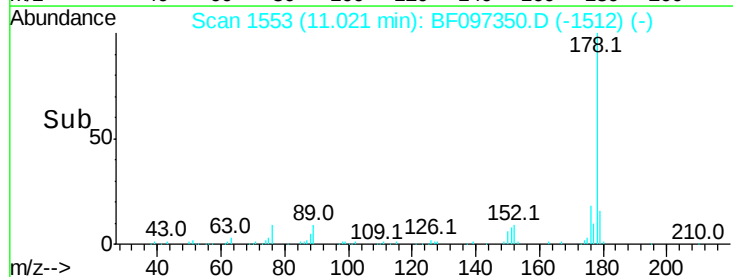
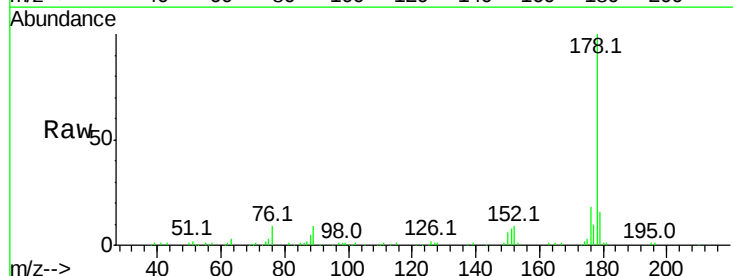
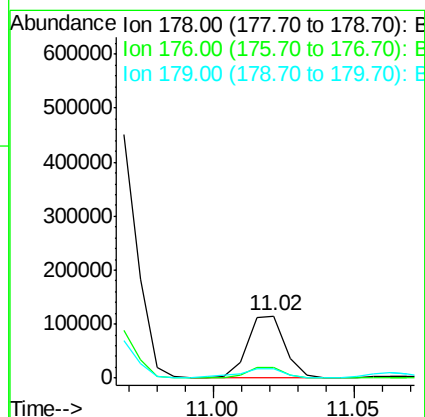
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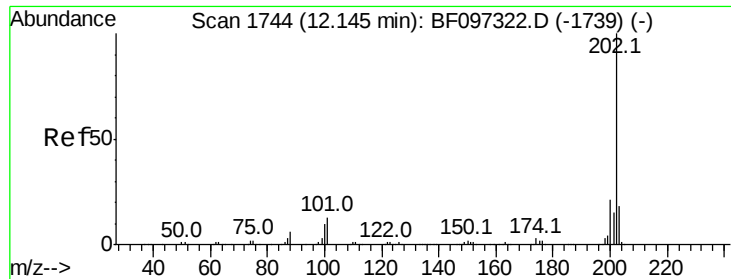
Sohil
8/4/2017 5:31:15 PM



#71
Anthracene
Concen: 9.339 ng
RT: 11.02 min Scan# 1553
Delta R.T. -0.06 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	15.7	12.7	19.1





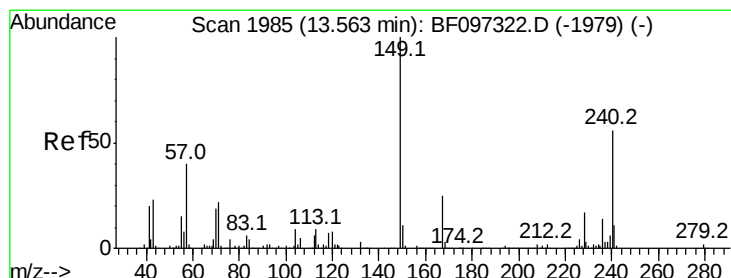
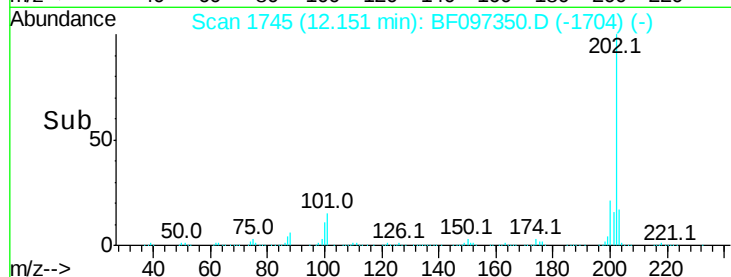
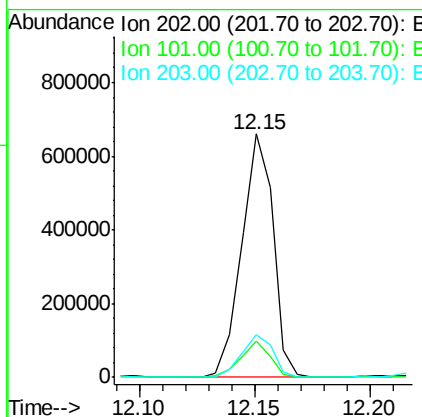
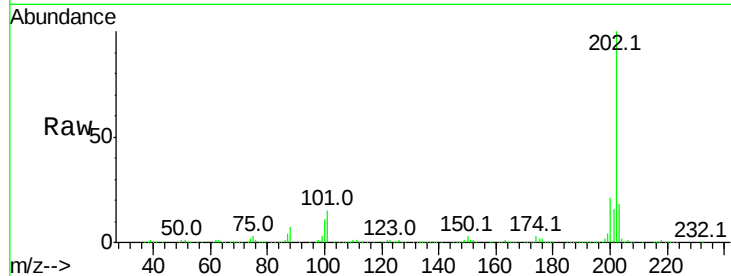
#74
Fluoranthene
Concen: 57.723 ng
RT: 12.15 min Scan# 1745
Delta R.T. -0.06 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Instrument :
BNA_F
ClientSampleId :
72-12020DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.7	0.0	33.2
203	17.5	0.0	38.1

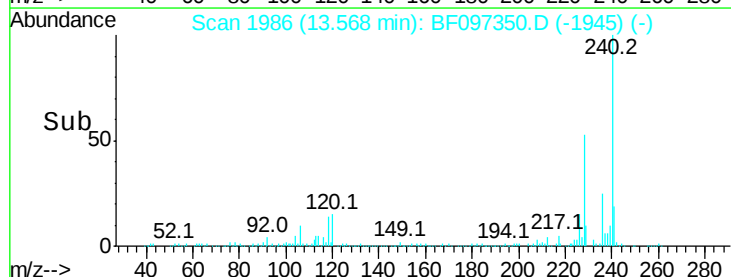
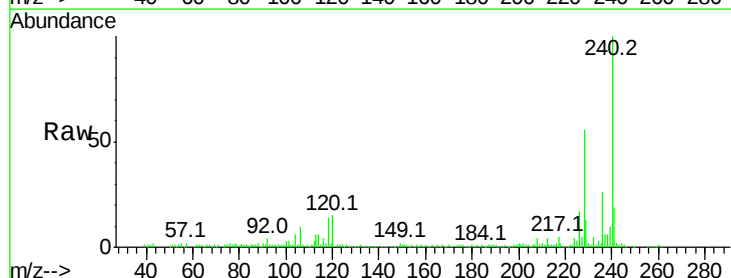
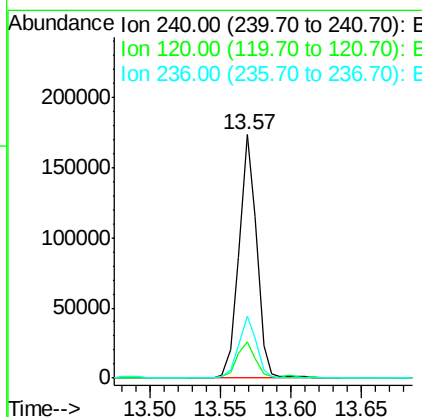
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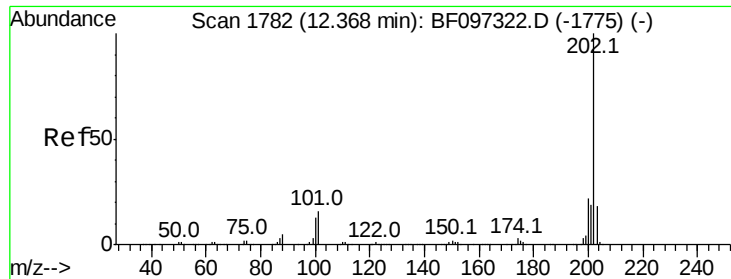
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.57 min Scan# 1986
Delta R.T. -0.06 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.6	20.5	30.7





#77

Pvrene

Concen: 52.296 ng

RT: 12.37 min Scan# 1783

Delta R.T. -0.06 min

Lab File: BF097350.D

Acq: 4 Aug 2017 9:31

Instrument :

BNA_F

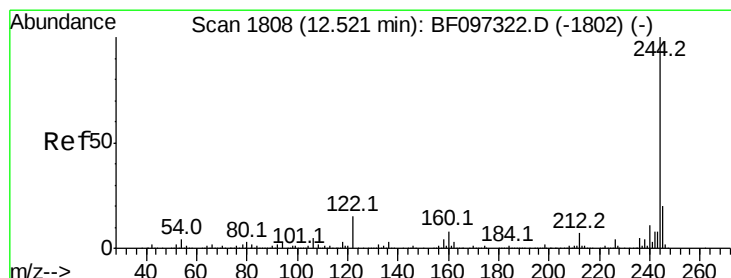
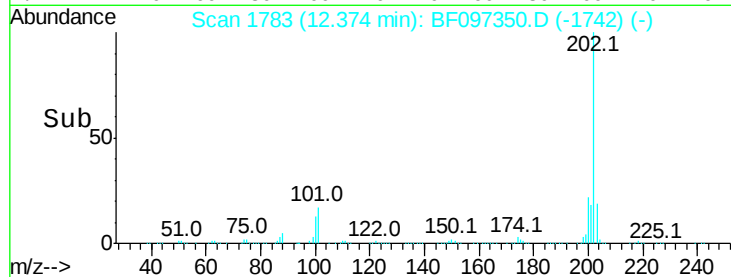
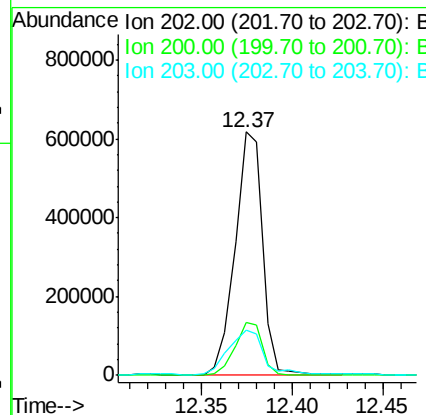
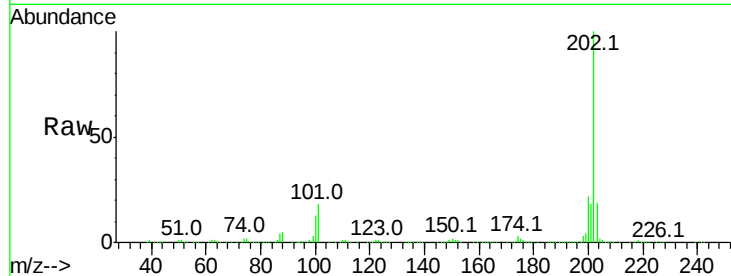
ClientSampleId :

72-12020DL

Tot Ion:	202	Resp:	649597
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.6	26.4
203	18.8	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 21.737 ng

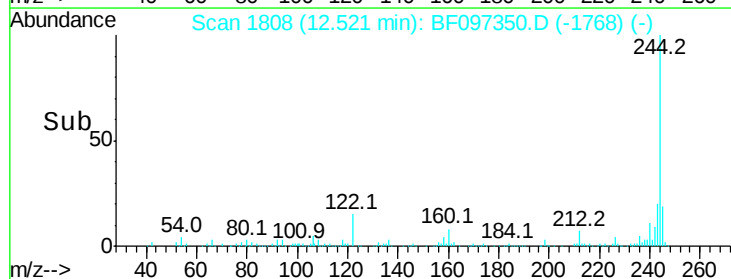
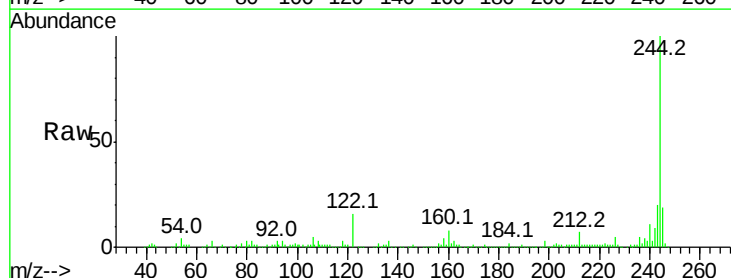
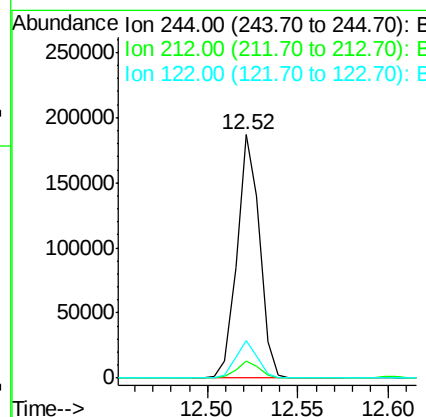
RT: 12.52 min Scan# 1808

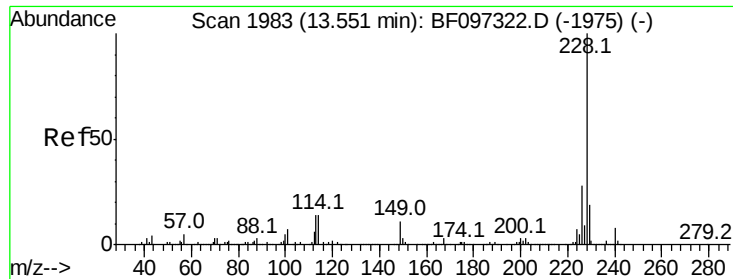
Delta R.T. -0.06 min

Lab File: BF097350.D

Acq: 4 Aug 2017 9:31

Tgt Ion:	244	Resp:	161760
Ion Ratio		Lower	Upper
244	100		
212	7.1	6.0	9.0
122	15.5	10.3	15.5#





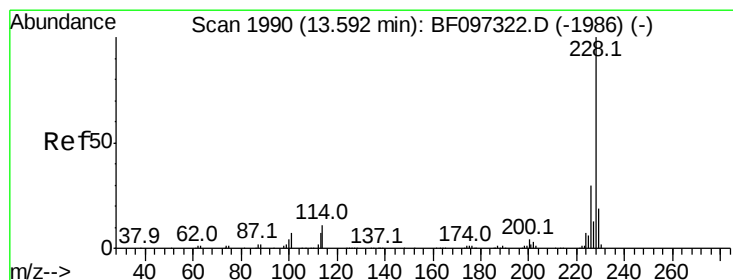
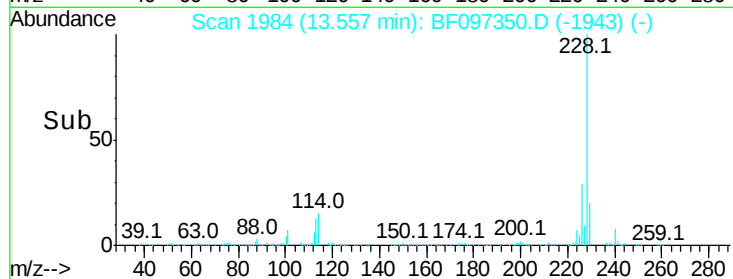
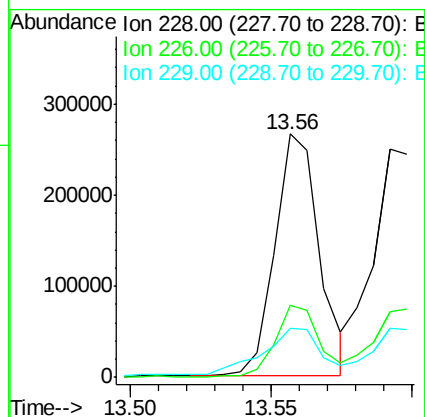
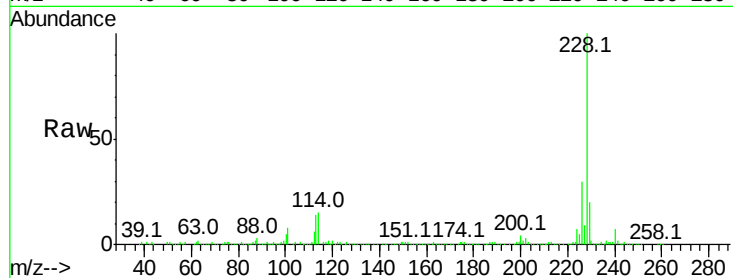
#80
Benzo(a)anthracene
Concen: 29.649 ng
RT: 13.56 min Scan# 1984
Delta R.T. -0.06 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Instrument :
BNA_F
ClientSampleId :
72-12020DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	20.3	16.3	24.5

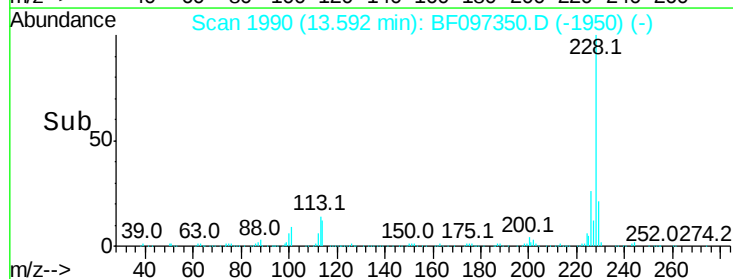
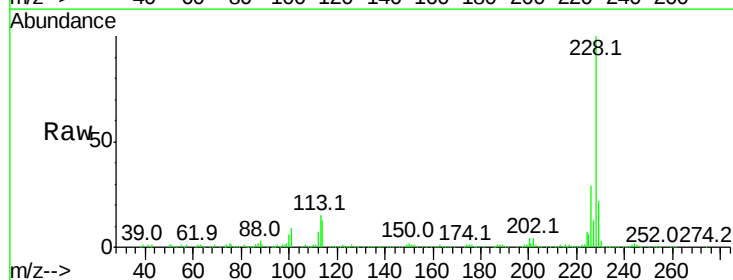
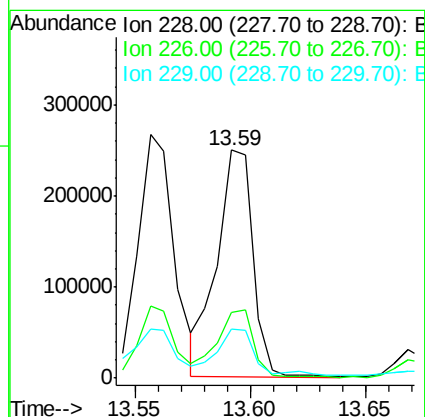
Manual Integrations
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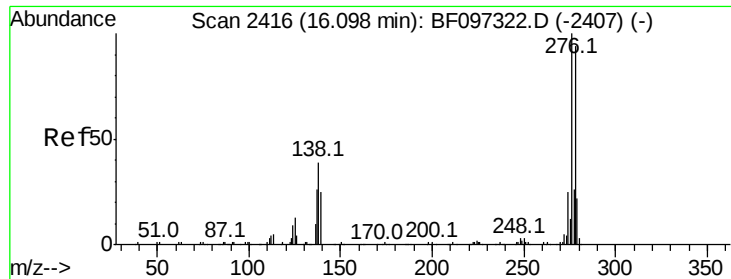
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#82
Chrysene
Concen: 28.235 ng
RT: 13.59 min Scan# 1990
Delta R.T. -0.06 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.9	37.3
229	21.7	15.8	23.6





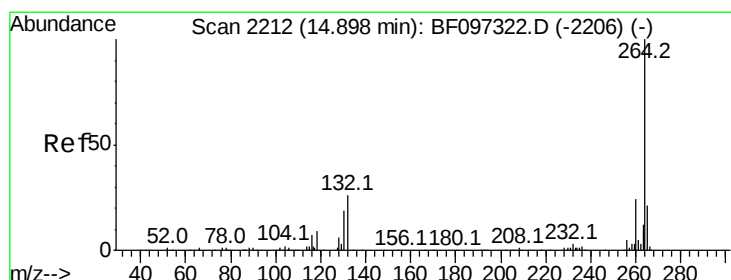
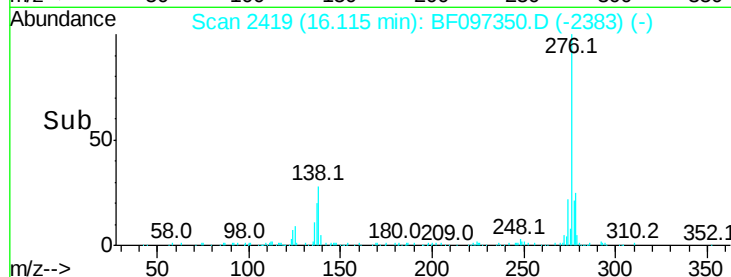
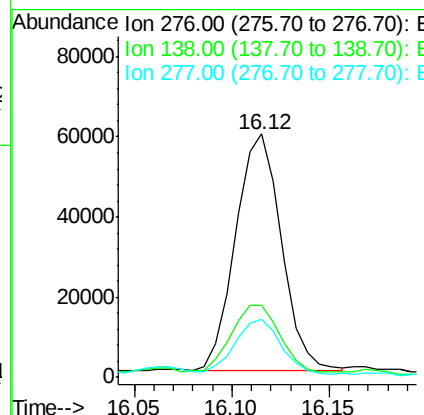
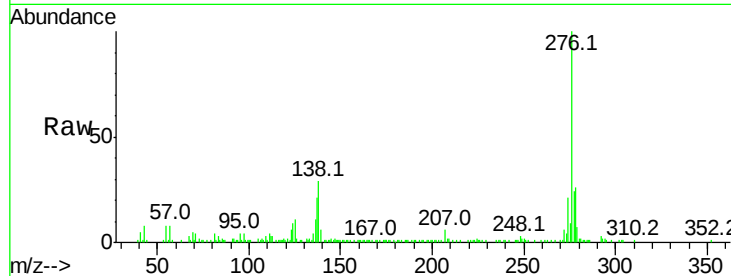
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.738 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.09 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Instrument :
BNA_F
ClientSampleId :
72-12020DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.8	27.8	41.6
277	23.3	20.2	30.4

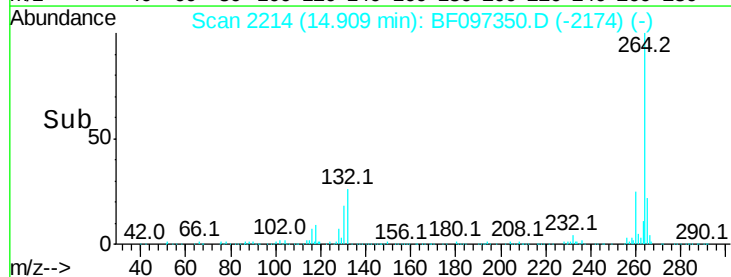
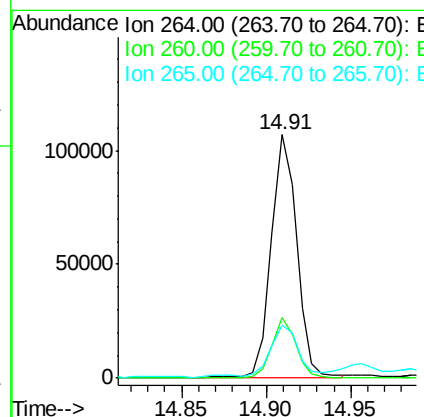
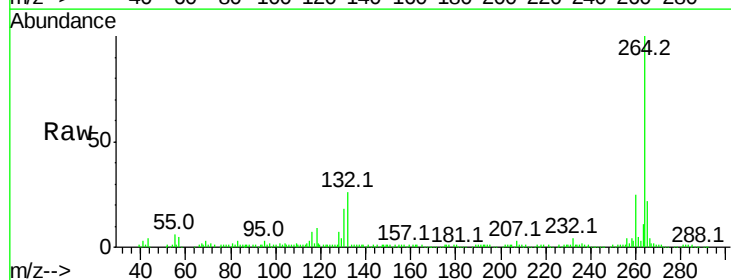
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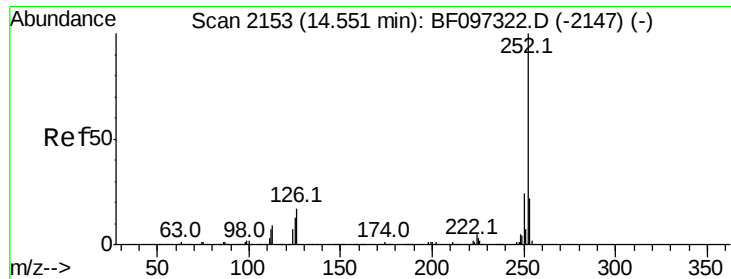
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	21.8	17.2	25.8





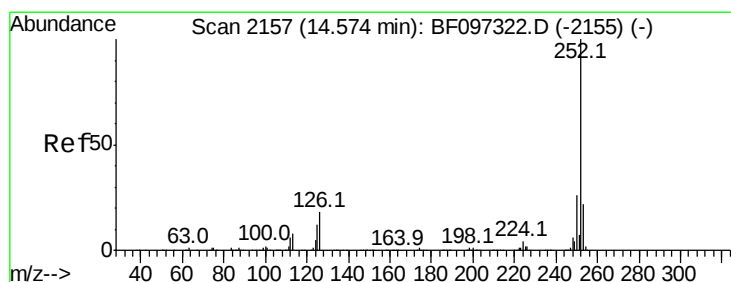
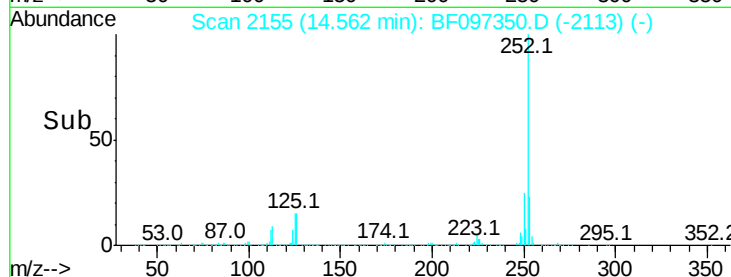
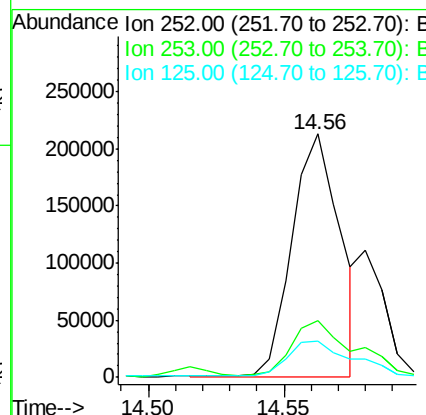
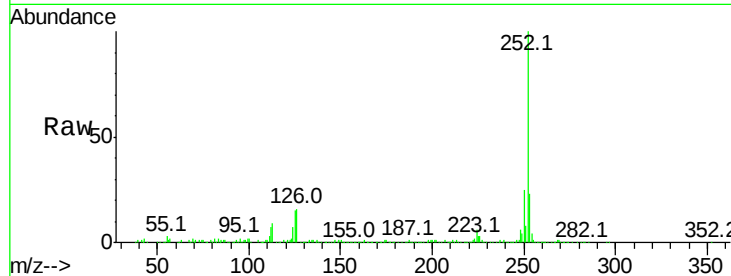
#87
Benzo(b)fluoranthene
Concen: 38.737 ng m
RT: 14.56 min Scan# 2155
Delta R.T. -0.05 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Instrument :
BNA_F
ClientSampleId :
72-12020DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	14.9	9.8	14.8

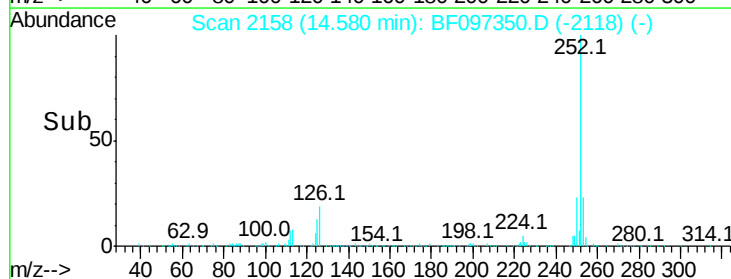
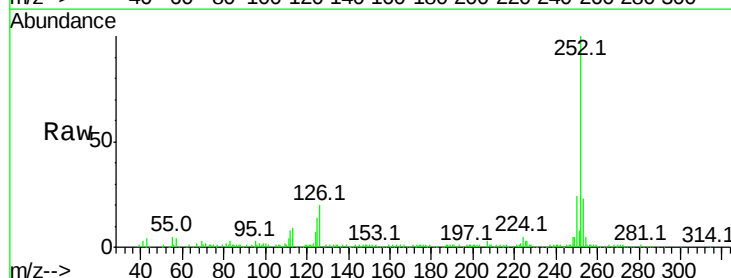
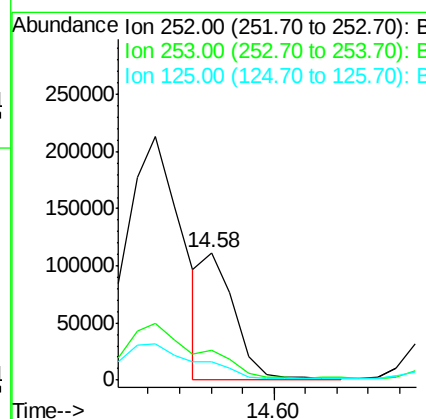
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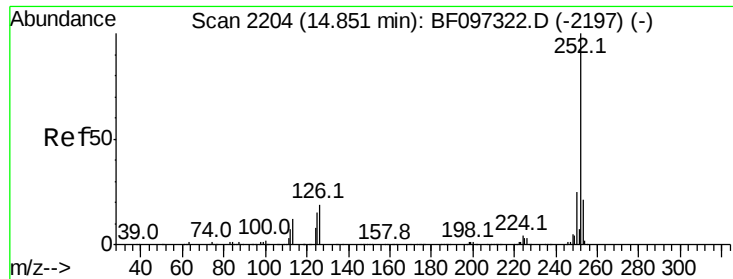
Sohil
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#88
Benzo(k)fluoranthene
Concen: 12.132 ng m
RT: 14.58 min Scan# 2158
Delta R.T. -0.06 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	14.1	13.1	19.7





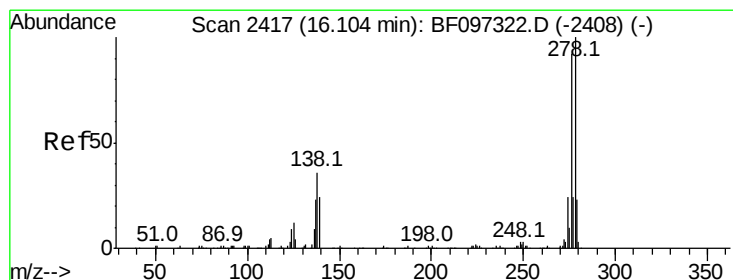
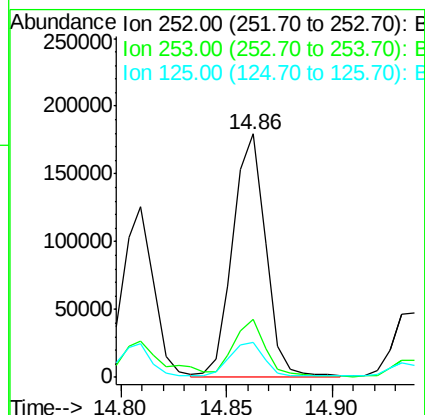
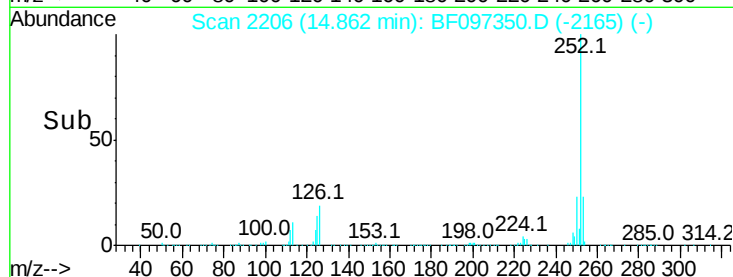
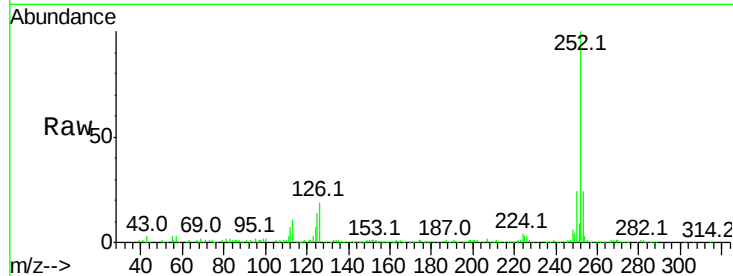
#89
Benzo(a)pyrene
Concen: 30.820 ng
RT: 14.86 min Scan# 2206
Delta R.T. -0.06 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Instrument :
BNA_F
ClientSampleId :
72-12020DL

Tot Ion:	252	Resp:	191648
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	14.3	11.0	16.4

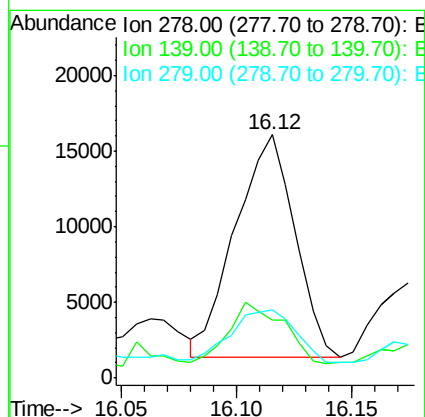
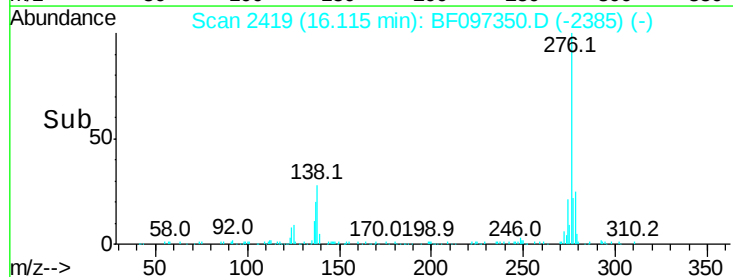
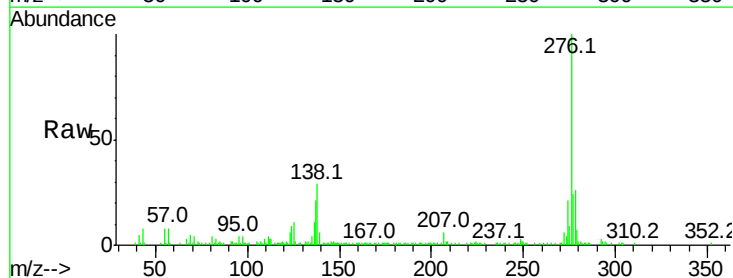
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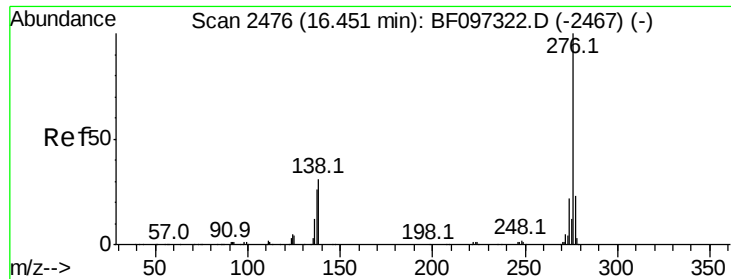
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 5.173 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.10 min
Lab File: BF097350.D
Acq: 4 Aug 2017 9:31

Tgt Ion:	278	Resp:	26381
Ion Ratio	Lower	Upper	
278	100		
139	23.6	16.6	24.8
279	28.1	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 17.719 ng
 RT: 16.47 min Scan# 2479
 Delta R.T. -0.10 min
 Lab File: BF097350.D
 Acq: 4 Aug 2017 9:31

Instrument :
 BNA_F
 ClientSampleId :
 72-12020DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	34.0	25.4	38.0

Manual Integrations
 APPROVED

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