

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072017\
 Data File : BF096930.D
 Acq On : 21 Jul 2017 4:04
 Operator : SJ/JU
 Sample : I4253-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-WSW

Manual Integrations
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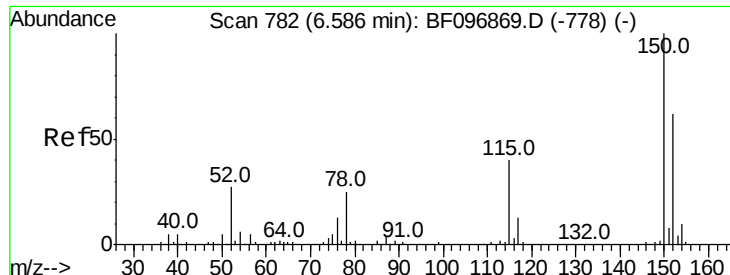
Quant Time: Jul 21 08:45:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	113977	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	455534	20.00	ng	-0.04
38) Acenaphthene-d10	9.60	164	173839	20.00	ng	-0.04
63) Phenanthrene-d10	11.07	188	251104	20.00	ng	-0.03
75) Chrysene-d12	13.70	240	187067	20.00	ng	-0.03
86) Perylene-d12	15.07	264	152468	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	958253	126.41	ng	-0.02
7) Phenol-d6	6.23	99	1201032	132.03	ng	-0.02
23) Nitrobenzene-d5	7.14	82	723169	98.33	ng	-0.03
41) 2,4,6-Tribromophenol	10.39	330	181794	122.51	ng	-0.04
44) 2-Fluorobiphenyl	8.93	172	954524	86.75	ng	-0.03
78) Terphenyl-d14	12.66	244	575758	53.38	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.24	94	33681	3.275	ng	96
31) Naphthalene	7.87	128	49705	2.303	ng	99
49) Dimethylphthalate	9.33	163	251059	19.180	ng	99
51) Acenaphthene	9.63	154	22111	2.140	ng	94
57) Fluorene	10.14	166	22899	2.140	ng	# 97
70) Phenanthrene	11.10	178	303191	22.206	ng	98
71) Anthracene	11.15	178	96380	6.982	ng	98
72) Carbazole	11.30	167	37771	2.825	ng	96
74) Fluoranthene	12.29	202	537396	41.121	ng	98
77) Pyrene	12.51	202	523654	30.844	ng	98
80) Benzo(a)anthracene	13.70	228	315036	27.029	ng	96
82) Chrysene	13.73	228	285037	24.841	ng	97
85) Indeno(1,2,3-cd)pyrene	16.35	276	166877	18.132	ng	93
87) Benzo(b)fluoranthene	14.70	252	441526m	48.015	ng	
88) Benzo(k)fluoranthene	14.73	252	105555m	12.122	ng	
89) Benzo(a)pyrene	15.02	252	276777	32.817	ng	97
90) Dibenzo(a,h)anthracene	16.50	278	37596	4.845	ng	93
91) Benzo(g,h,i)perylene	16.73	276	150553	18.116	ng	98

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



#1

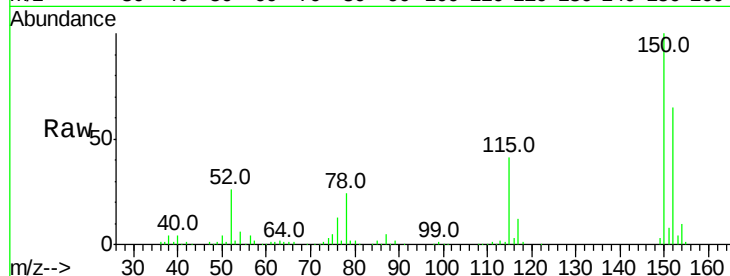
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.57 min Scan# 779
Delta R.T. -0.03 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-WSW

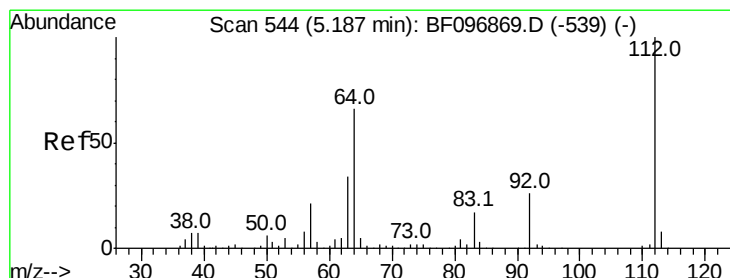
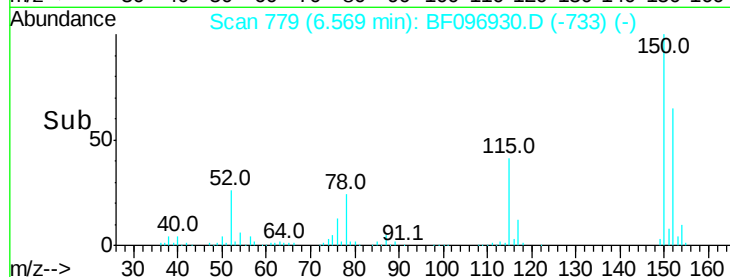
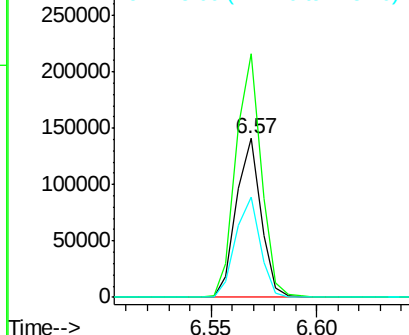
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.2	189.2
115	63.0	52.2	78.2

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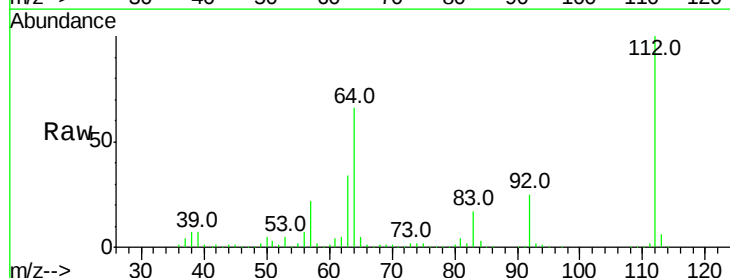
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



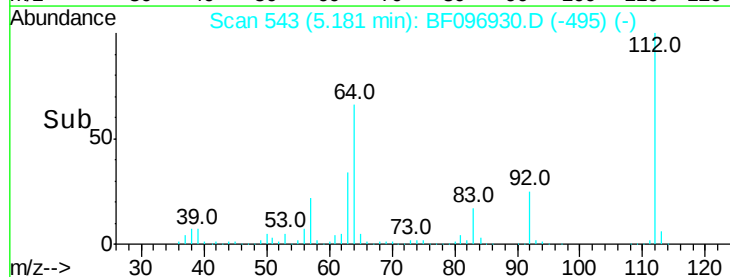
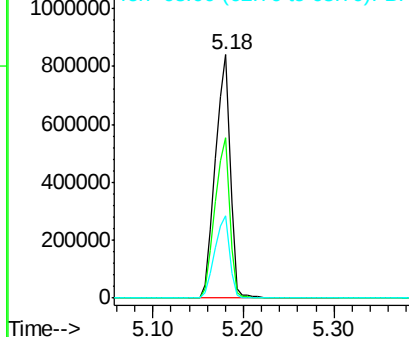
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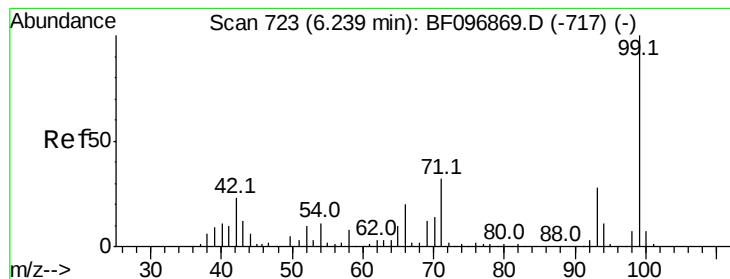
2-Fluorophenol
Concen: 126.413 ng
RT: 5.18 min Scan# 543
Delta R.T. -0.02 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.0	69.0
63	33.7	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: 132.030 ng

RT: 6.23 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF096930.D

Acq: 21 Jul 2017 4:04

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-WSW

Tot Ion: 99 Resp: 1201032

Ion Ratio Lower Upper

99 100

42 21.1 13.5 20.3#

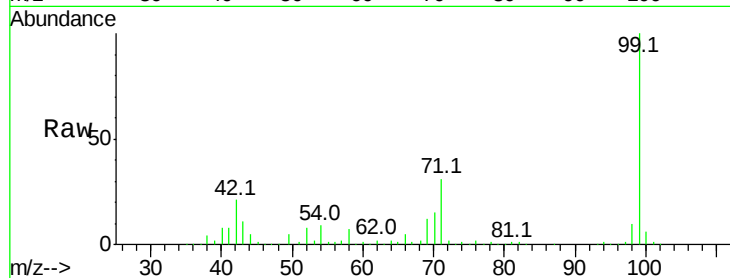
71 31.4 24.5 36.7

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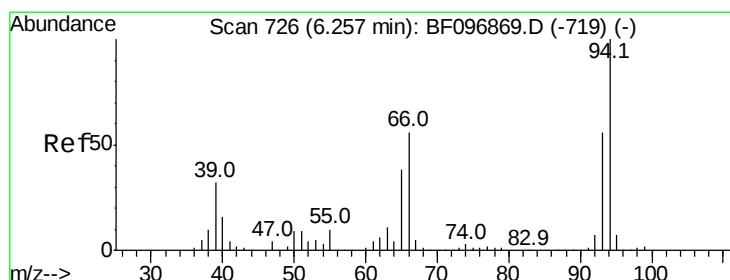
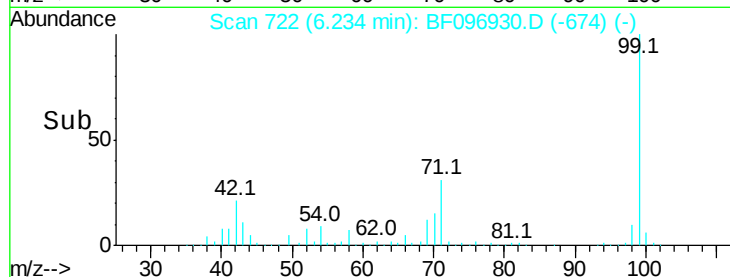
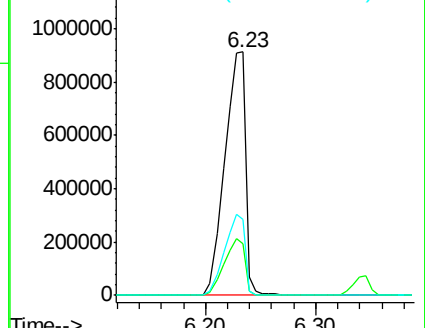
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.275 ng

RT: 6.24 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF096930.D

Acq: 21 Jul 2017 4:04

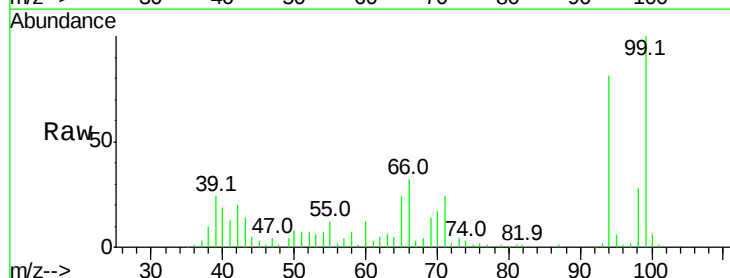
Tgt Ion: 94 Resp: 33681

Ion Ratio Lower Upper

94 100

65 29.0 9.9 49.9

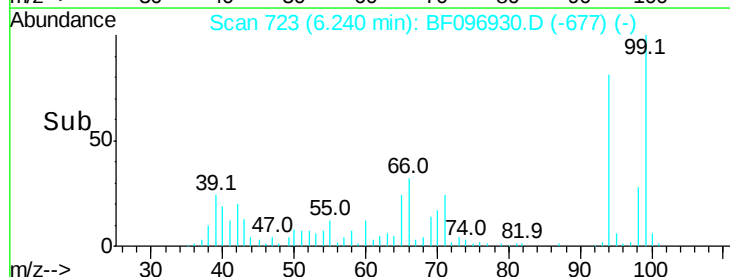
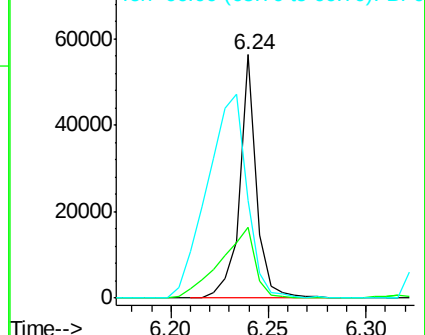
66 40.0 23.1 63.1

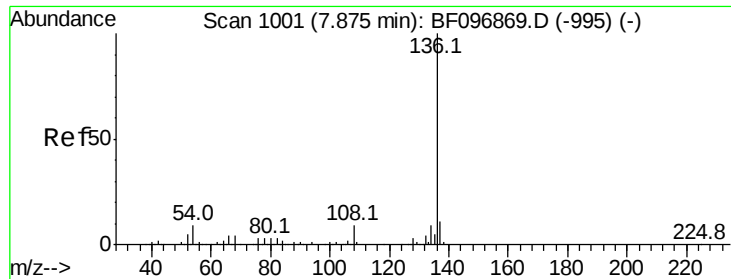


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





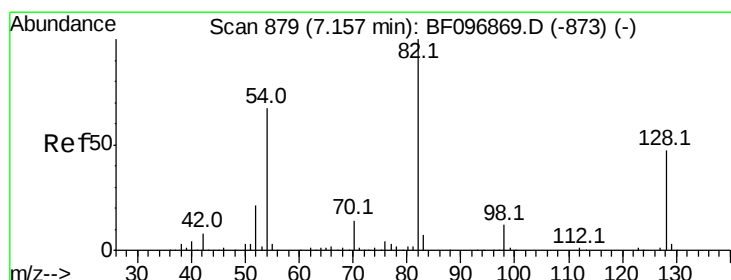
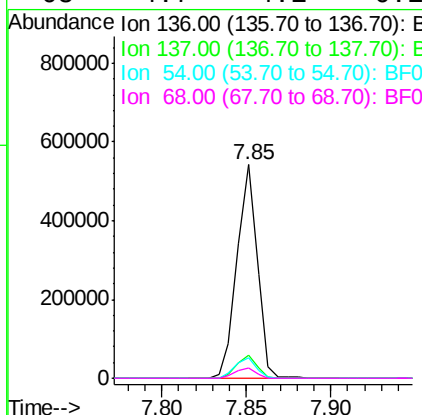
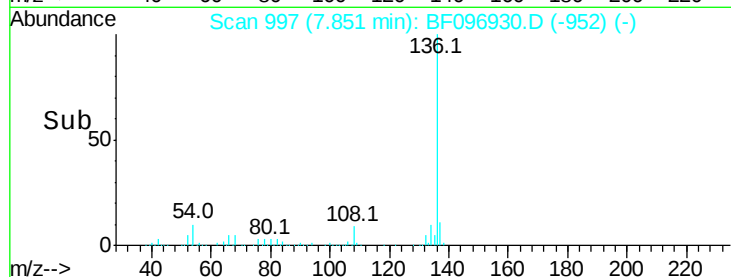
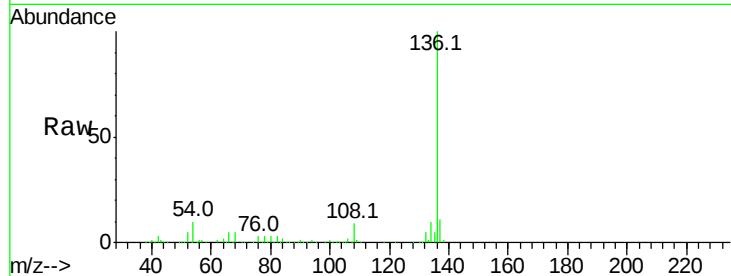
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.85 min Scan# 997
Delta R.T. -0.04 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.5	12.7	
54	9.6	4.9	7.3#	
68	4.7	4.1	6.1	

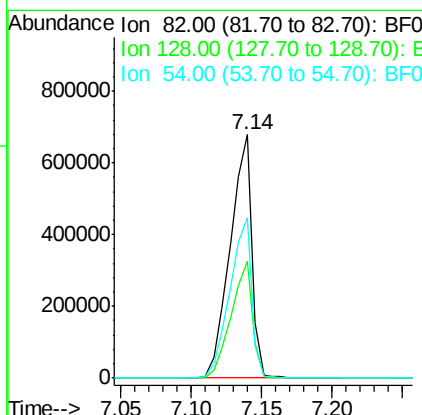
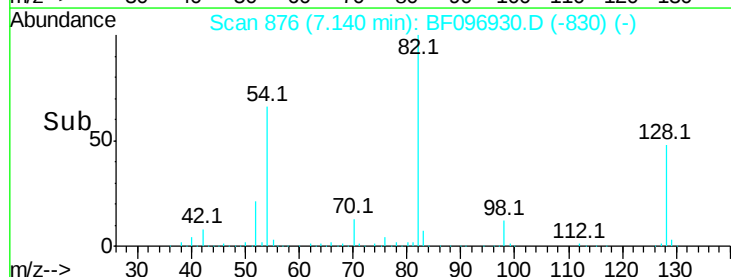
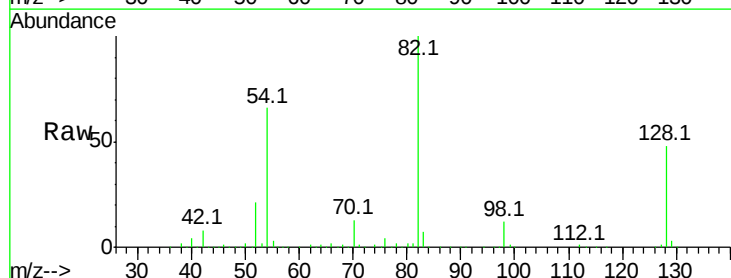
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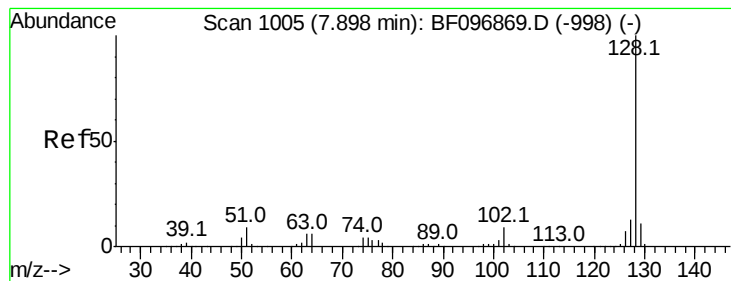
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#23
Nitrobenzene-d5
Concen: 98.332 ng
RT: 7.14 min Scan# 876
Delta R.T. -0.03 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.1	34.0	51.0	
54	65.9	42.2	63.2#	





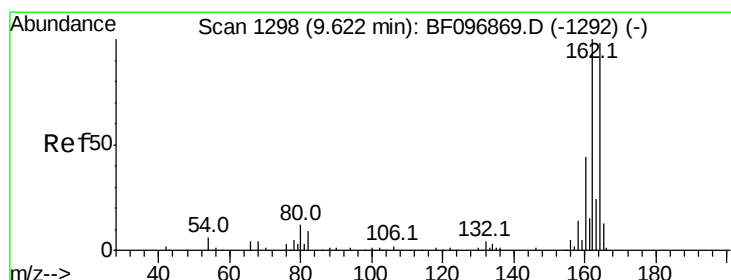
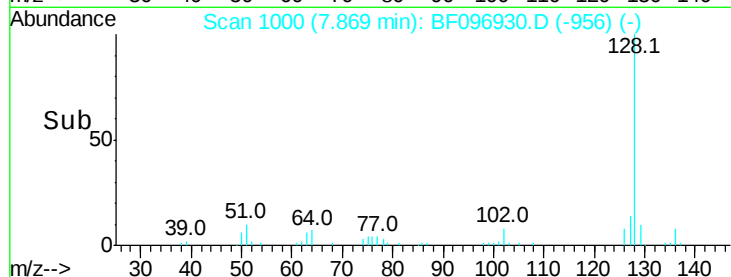
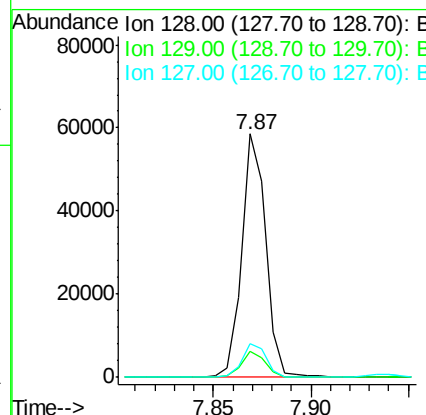
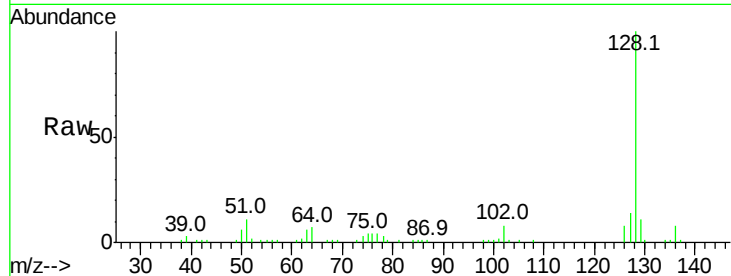
#31
Naphthalene
Concen: 2.303 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.04 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-WSW

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	13.8	10.8	16.2

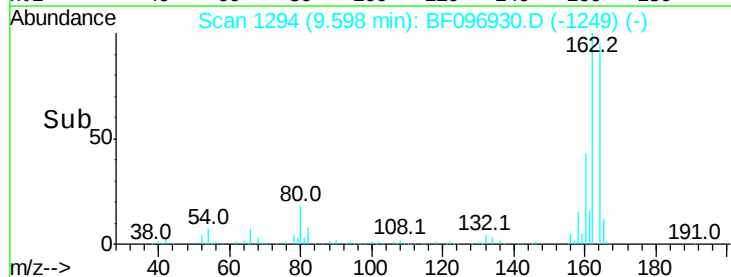
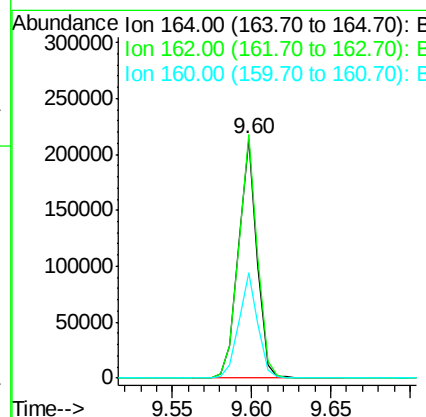
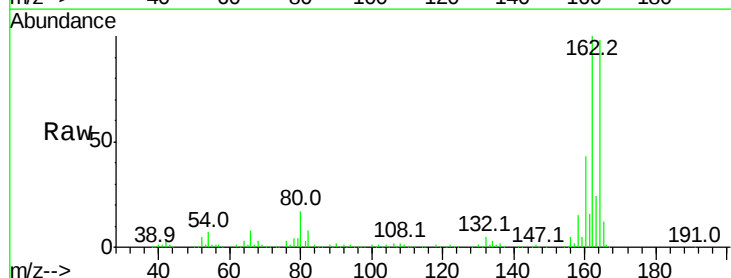
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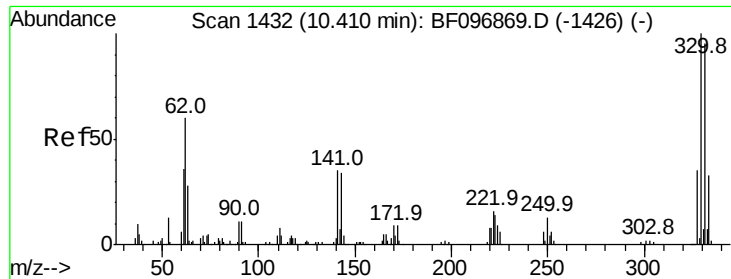
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.60 min Scan# 1294
Delta R.T. -0.04 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	43.9	36.2	54.2





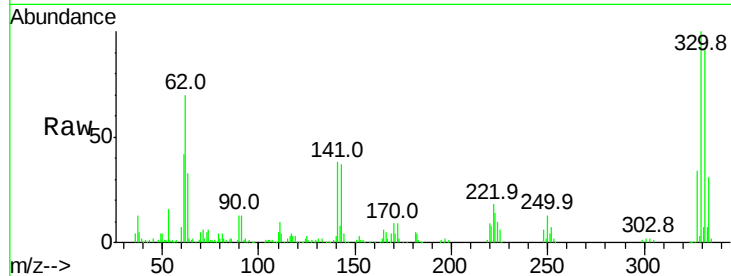
#41
 2,4,6-Tribromophenol
 Concen: 122.514 ng
 RT: 10.39 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096930.D
 Acq: 21 Jul 2017 4:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-WSW

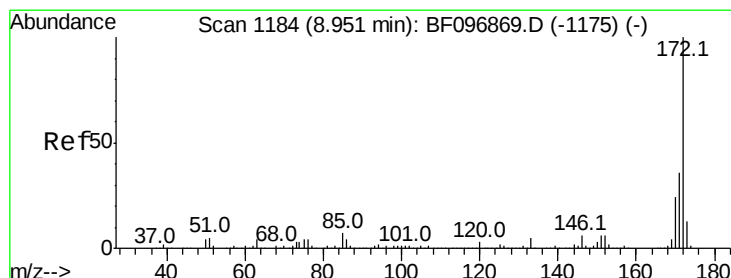
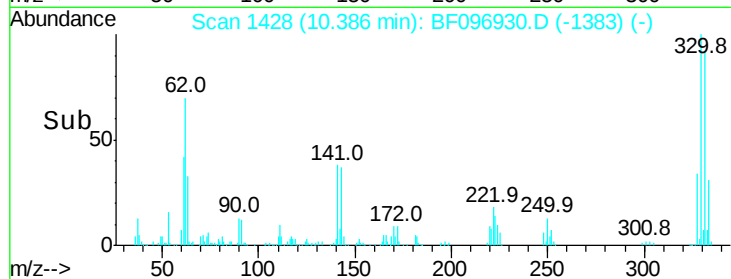
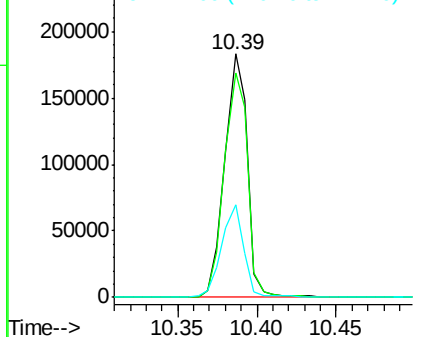
Tot Ion	Ratio	Resp	Lower	Upper
330	100	181794		
332	96.0	76.6	115.0	
141	36.9	31.4	47.2	

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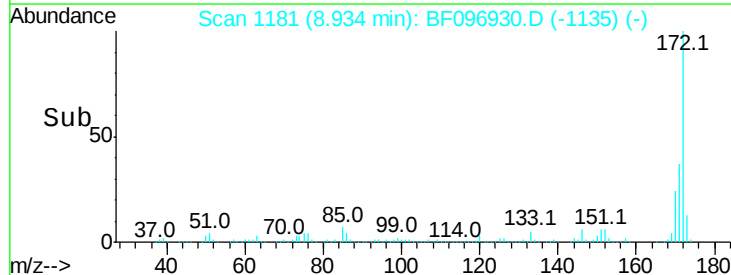
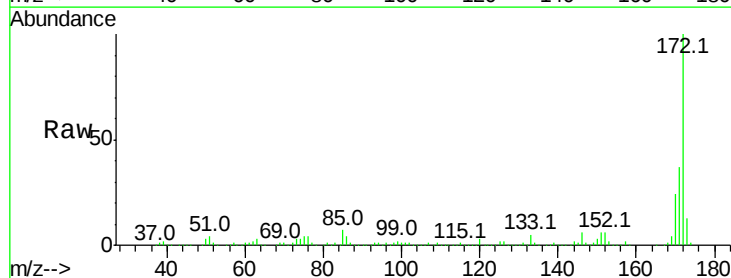
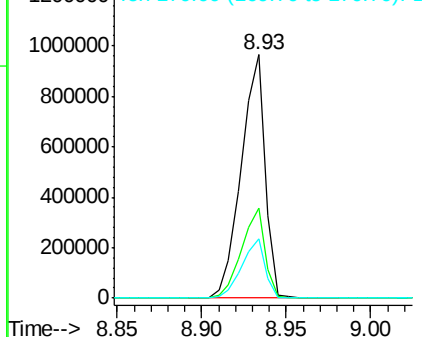
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

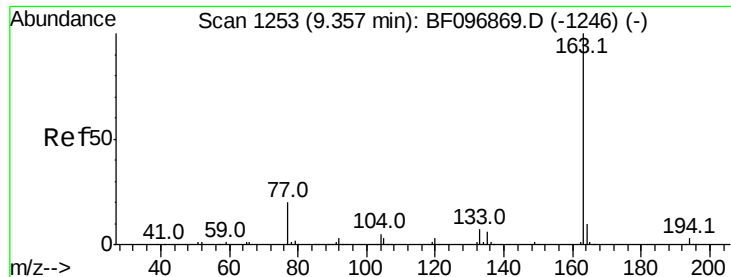


#44
 2-Fluorobiphenyl
 Concen: 86.751 ng
 RT: 8.93 min Scan# 1181
 Delta R.T. -0.03 min
 Lab File: BF096930.D
 Acq: 21 Jul 2017 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	954524		
171	36.8	29.6	44.4	
170	24.4	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





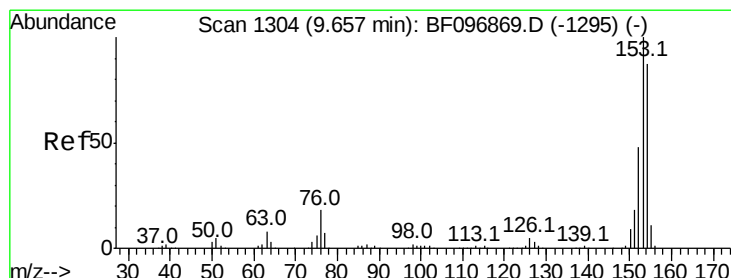
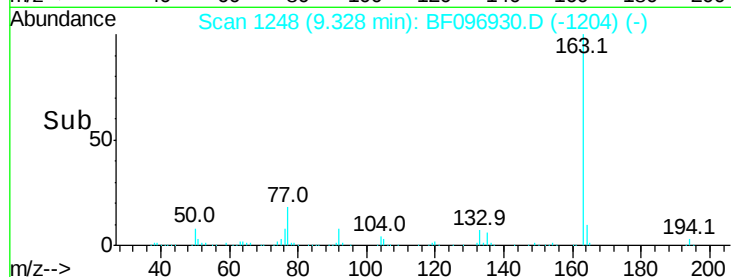
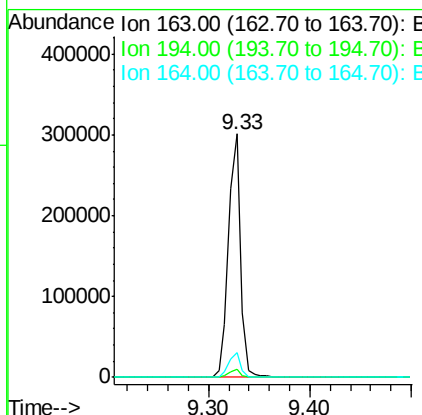
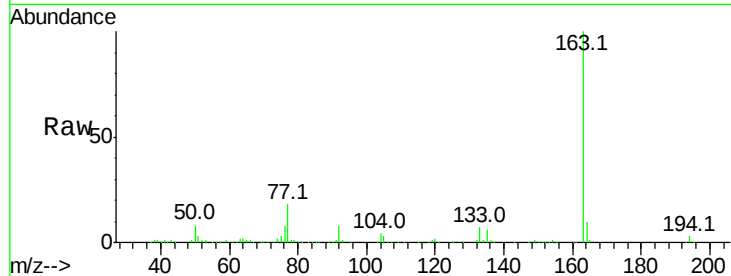
#49
Dimethylphthalate
Concen: 19.180 ng
RT: 9.33 min Scan# 1248
Delta R.T. -0.04 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
163	100	251059		
194	3.3		2.6	4.0
164	10.0		8.4	12.6

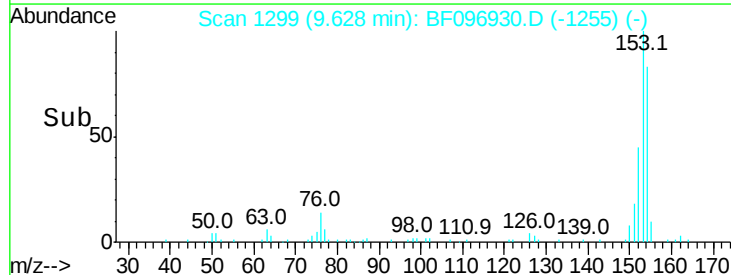
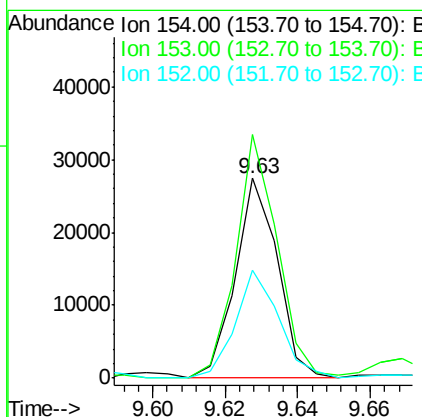
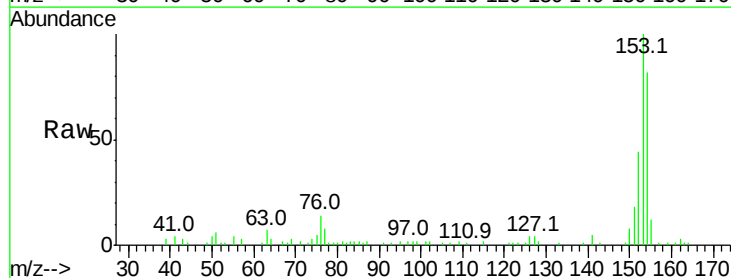
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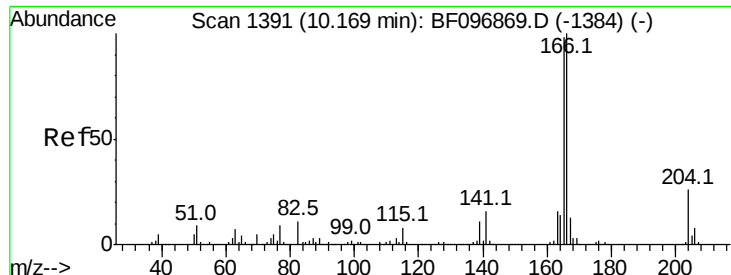
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#51
Acenaphthene
Concen: 2.140 ng
RT: 9.63 min Scan# 1299
Delta R.T. -0.04 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	22111		
153	121.9		90.5	135.7
152	53.8		43.6	65.4





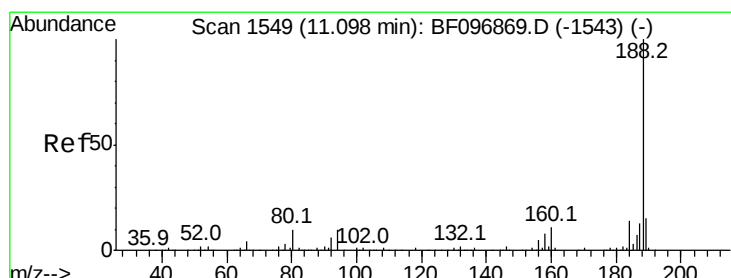
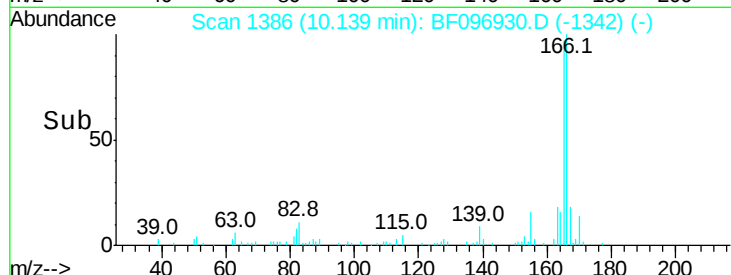
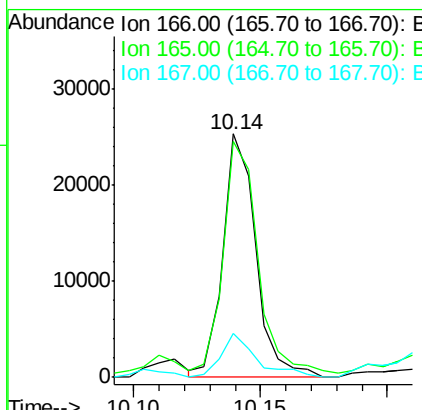
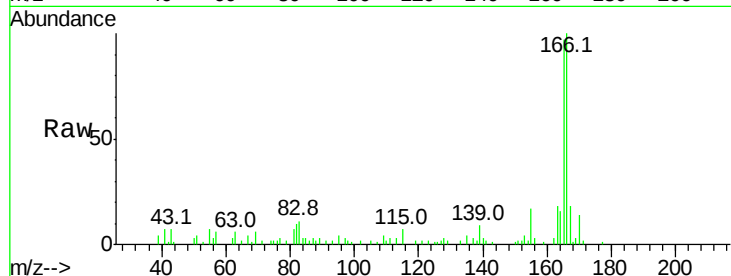
#57
Fluorene
 Concen: 2.140 ng
 RT: 10.14 min Scan# 1386
 Delta R.T. -0.04 min
 Lab File: BF096930.D
 Acq: 21 Jul 2017 4:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-WSW

Tot Ion	Ratio	Resp	Lower	Upper
166	100	22899		
165	96.8		78.8	118.2
167	18.2		10.6	16.0#

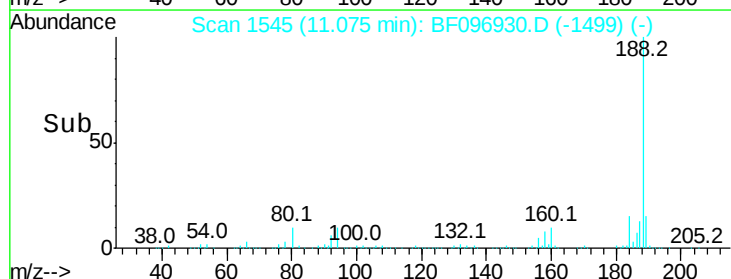
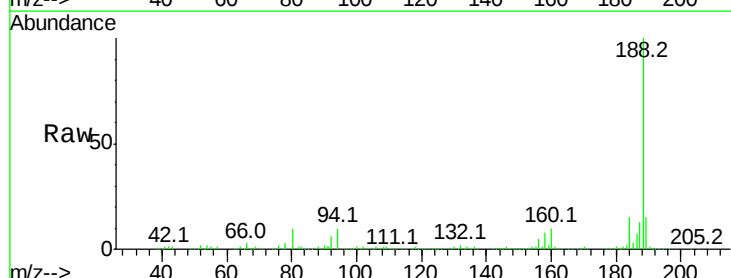
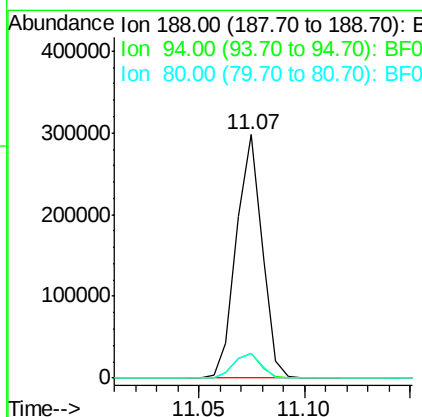
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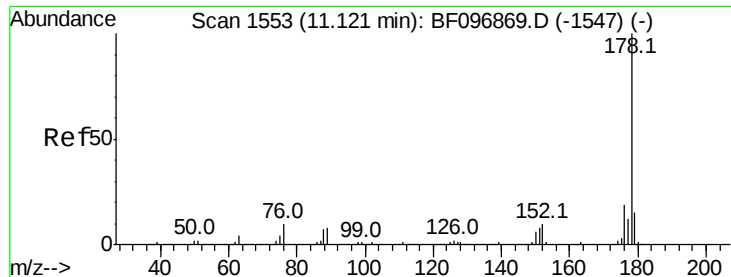
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.07 min Scan# 1545
 Delta R.T. -0.03 min
 Lab File: BF096930.D
 Acq: 21 Jul 2017 4:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	251104		
94	10.1		9.4	14.2
80	10.2		10.2	15.2





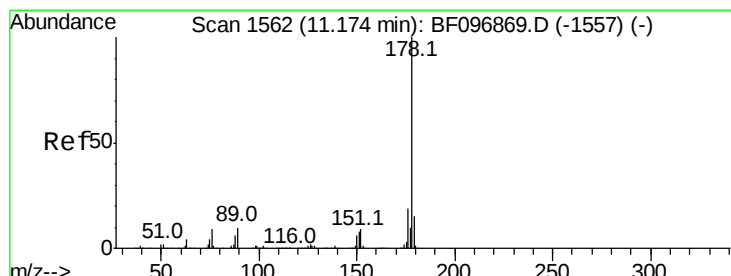
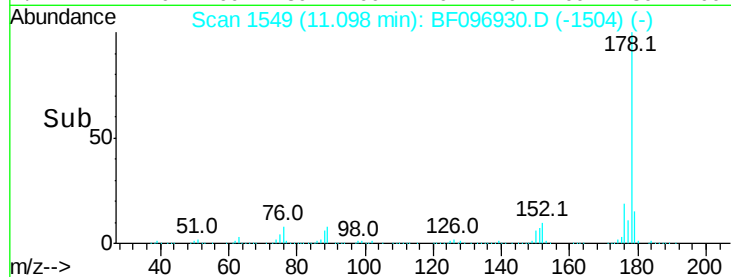
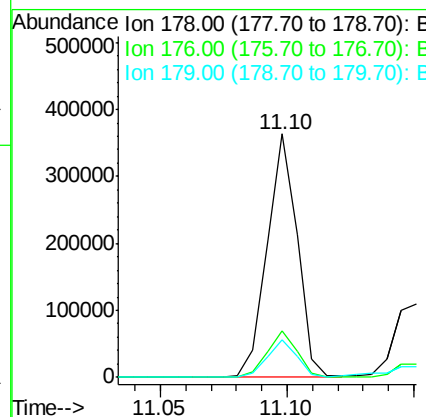
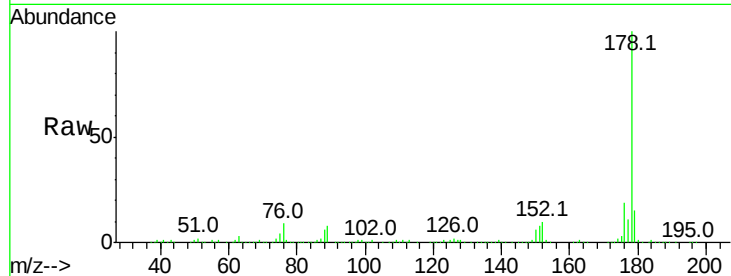
#70
Phenanthrene
Concen: 22.206 ng
RT: 11.10 min Scan# 1549
Delta R.T. -0.04 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-WSW

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.2	24.4
179	15.5	12.6	19.0

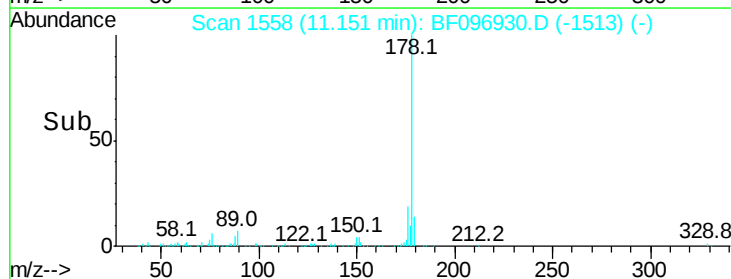
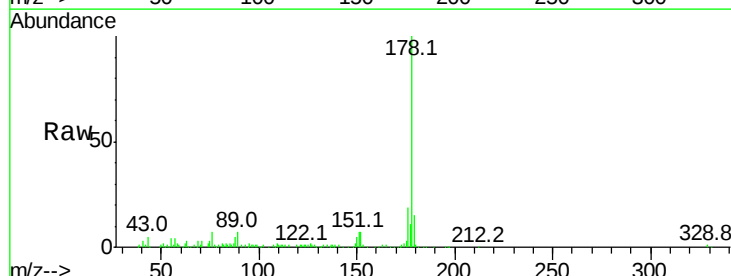
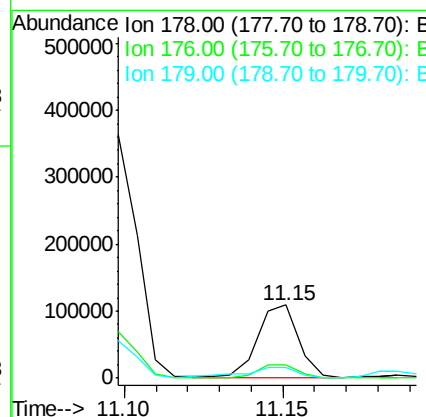
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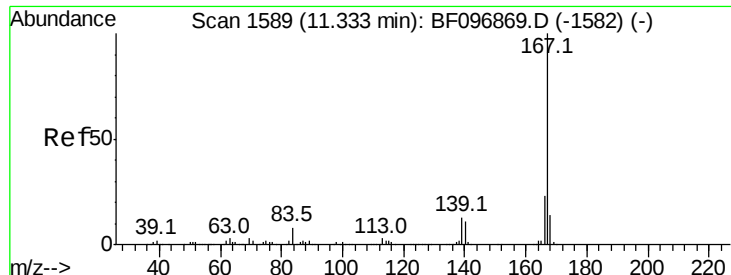
Sohil
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#71
Anthracene
Concen: 6.982 ng
RT: 11.15 min Scan# 1558
Delta R.T. -0.04 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.0	12.7	19.1





#72

Carbazole

Concen: 2.825 ng

RT: 11.30 min Scan# 1584

Delta R.T. -0.04 min

Lab File: BF096930.D

Acq: 21 Jul 2017 4:04

Instrument :

BNA_F

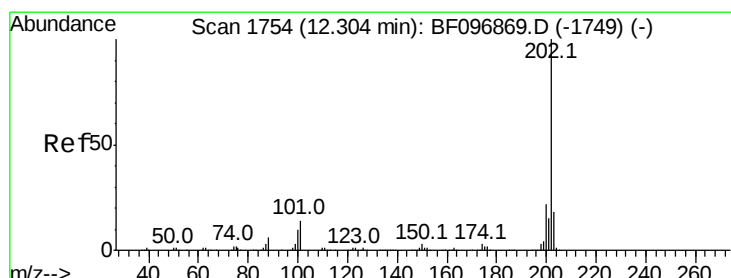
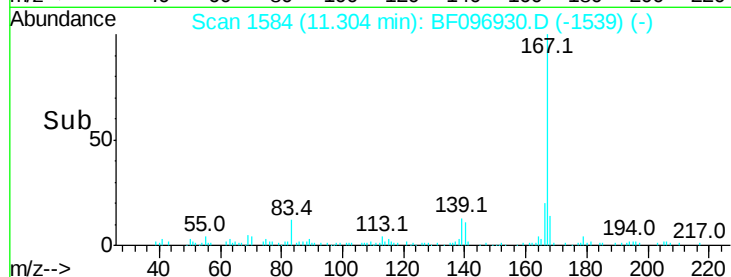
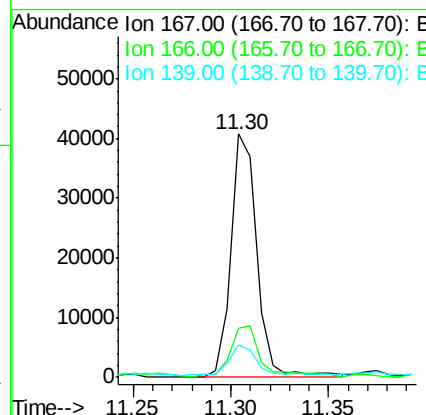
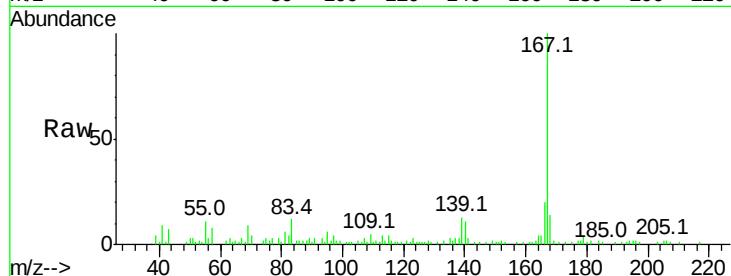
ClientSampleId :

E2-O-P-6-7-WSW

Tot Ion:	167	Resp:	37771
Ion Ratio	Lower	Upper	
167	100		
166	20.3	18.1	27.1
139	13.2	11.7	17.5

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#74

Fluoranthene

Concen: 41.121 ng

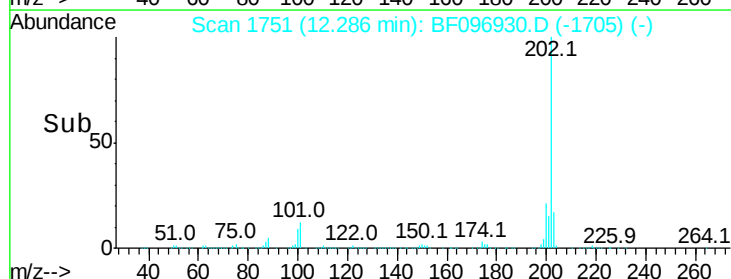
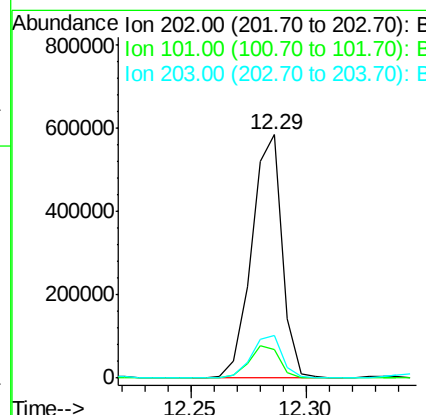
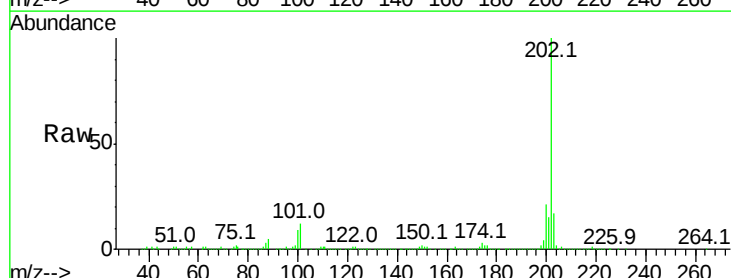
RT: 12.29 min Scan# 1751

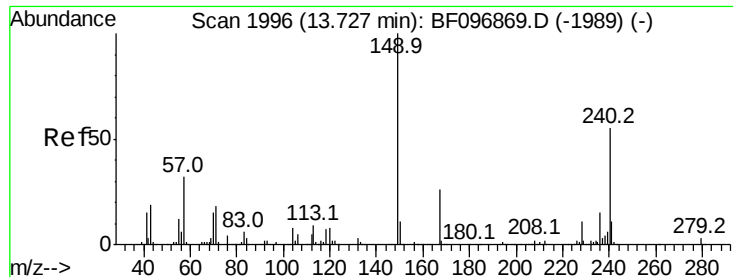
Delta R.T. -0.03 min

Lab File: BF096930.D

Acq: 21 Jul 2017 4:04

Tgt Ion:	202	Resp:	537396
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.70 min Scan# 1992

Delta R.T. -0.03 min

Lab File: BF096930.D

Acq: 21 Jul 2017 4:04

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-WSW

Tot Ion:240 Resp: 187067

Ion Ratio Lower Upper

240 100

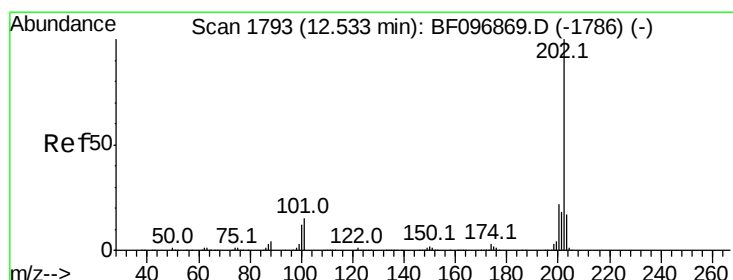
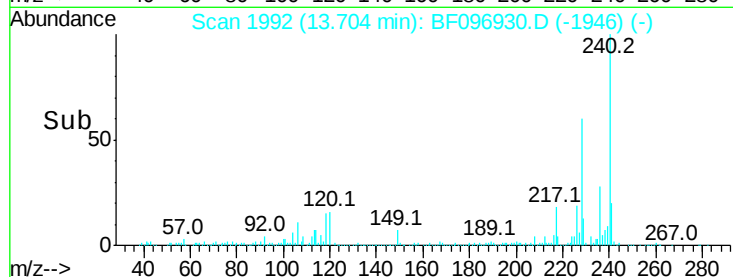
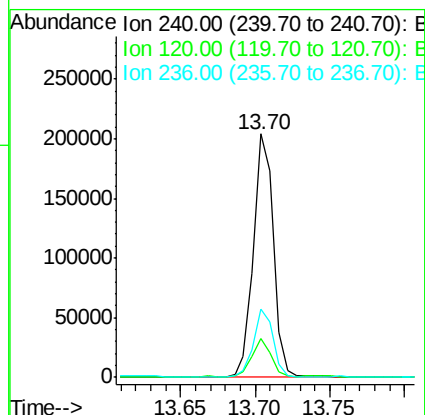
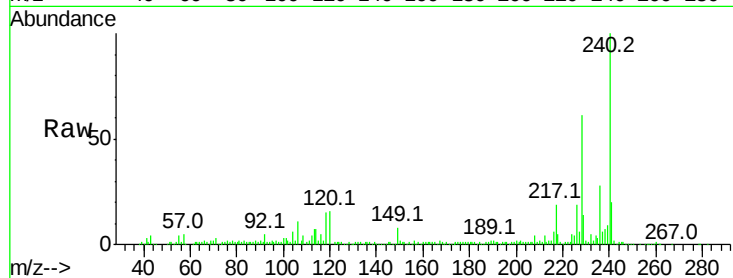
120 15.9 5.8 8.8#

236 27.9 20.5 30.7

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#77

Pyrene

Concen: 30.844 ng

RT: 12.51 min Scan# 1789

Delta R.T. -0.03 min

Lab File: BF096930.D

Acq: 21 Jul 2017 4:04

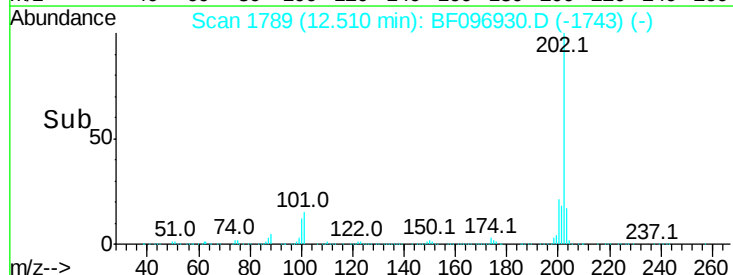
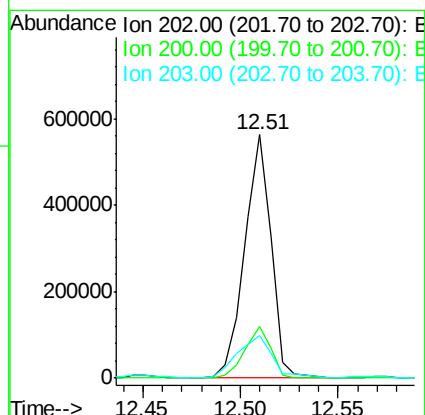
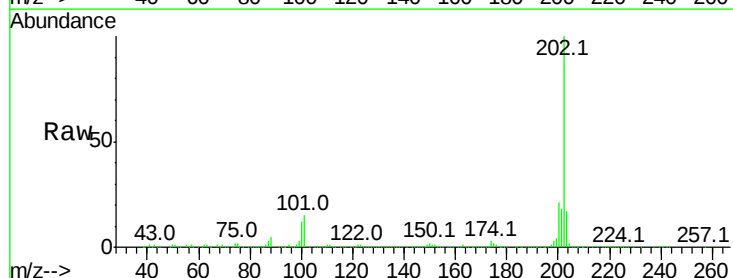
Tgt Ion:202 Resp: 523654

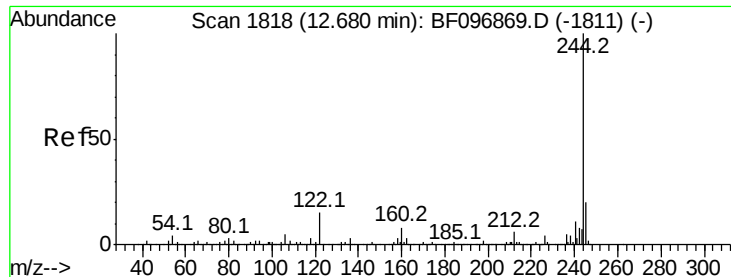
Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

203 17.3 14.4 21.6





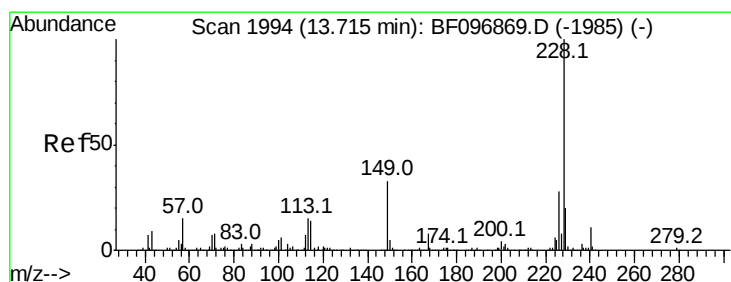
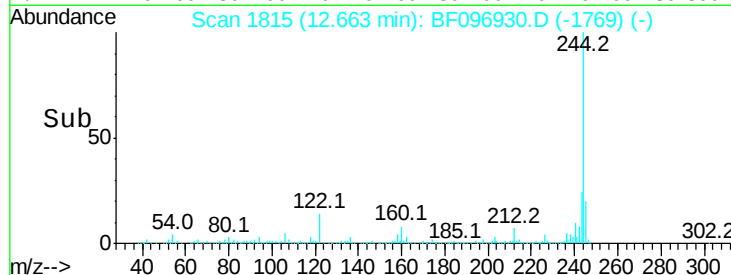
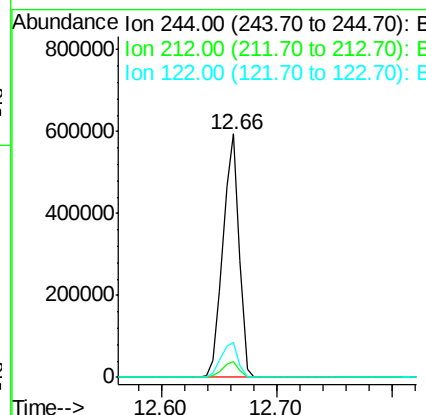
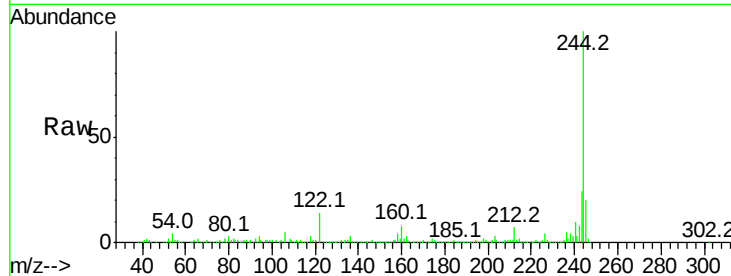
#78
 Terphenyl-d14
 Concen: 53.377 ng
 RT: 12.66 min Scan# 1815
 Delta R.T. -0.03 min
 Lab File: BF096930.D
 Acq: 21 Jul 2017 4:04

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-WSW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	14.4	10.3	15.5

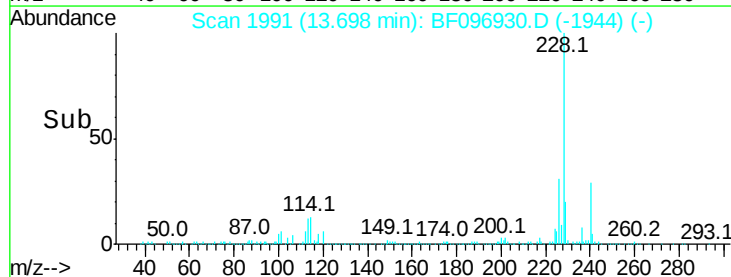
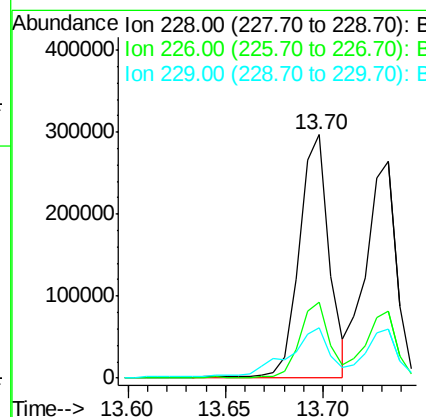
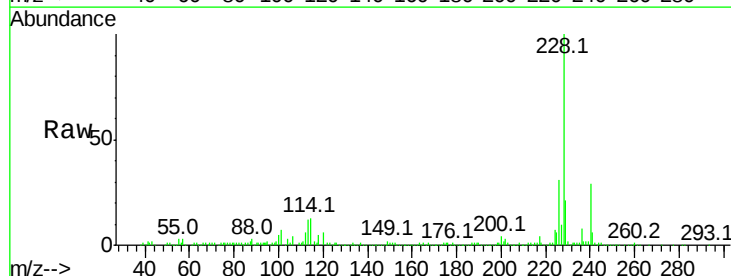
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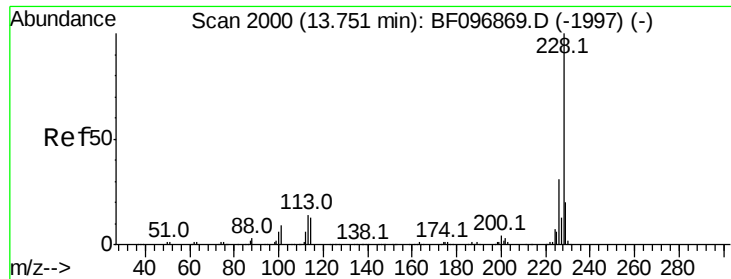
Sohil
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#80
 Benzo(a)anthracene
 Concen: 27.029 ng
 RT: 13.70 min Scan# 1991
 Delta R.T. -0.02 min
 Lab File: BF096930.D
 Acq: 21 Jul 2017 4:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	20.5	16.3	24.5





#82

Chrysene

Concen: 24.841 ng

RT: 13.73 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BF096930.D

Acq: 21 Jul 2017 4:04

Instrument :

BNA_F

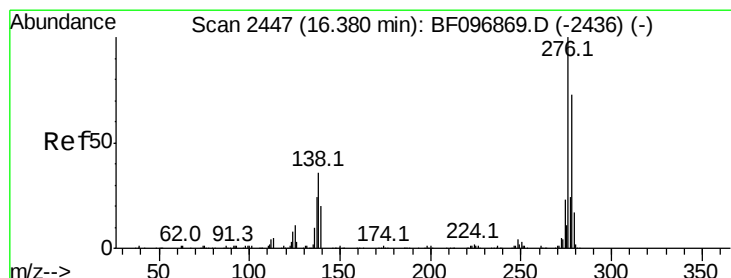
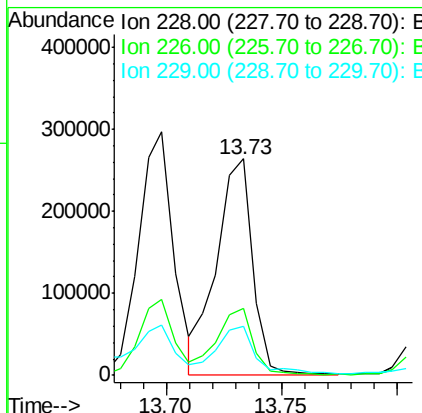
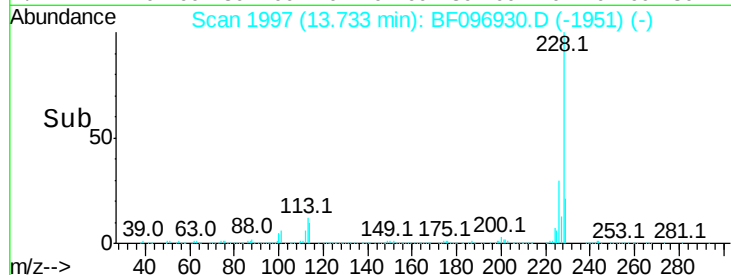
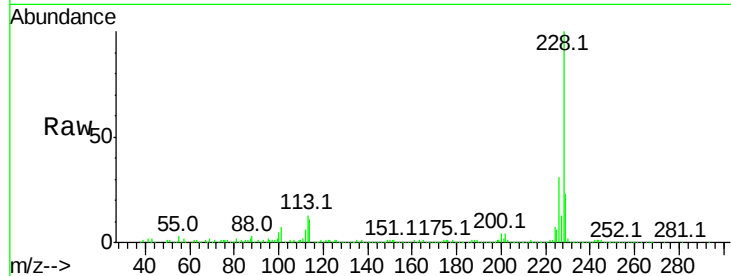
ClientSampleId :

E2-O-P-6-7-WSW

Tot Ion:	228	Resp:	285037
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.9	37.3
229	22.6	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 18.132 ng

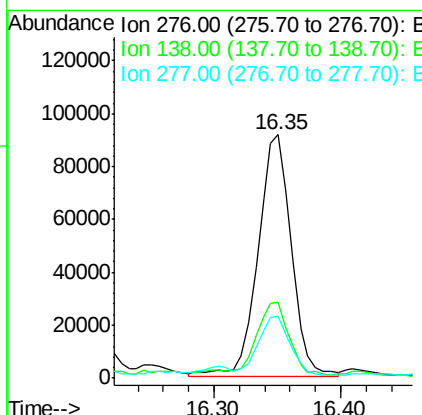
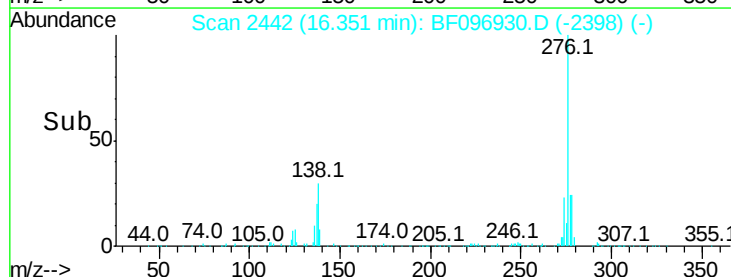
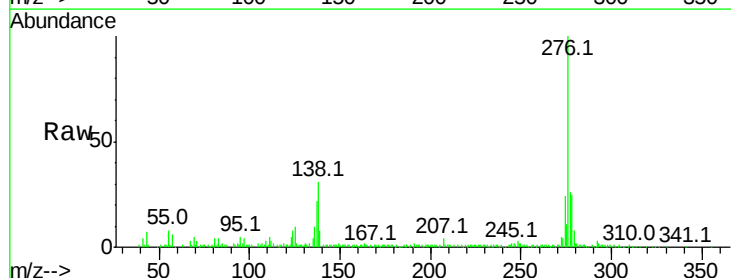
RT: 16.35 min Scan# 2442

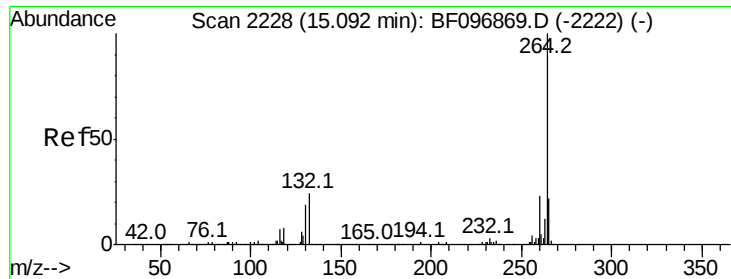
Delta R.T. -0.04 min

Lab File: BF096930.D

Acq: 21 Jul 2017 4:04

Tgt Ion:	276	Resp:	166877
Ion Ratio	Lower	Upper	
276	100		
138	29.2	27.8	41.6
277	23.8	20.2	30.4





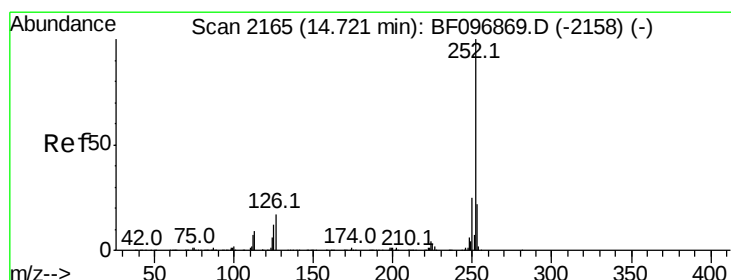
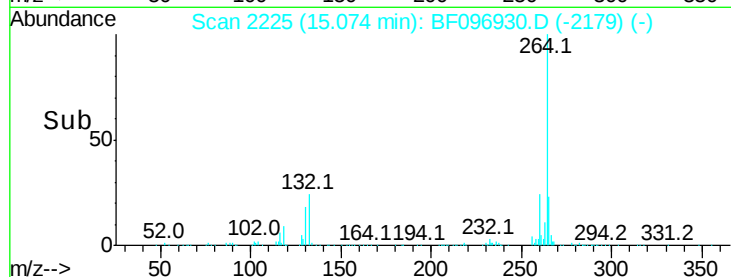
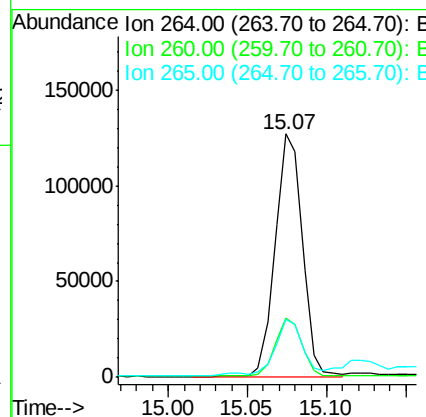
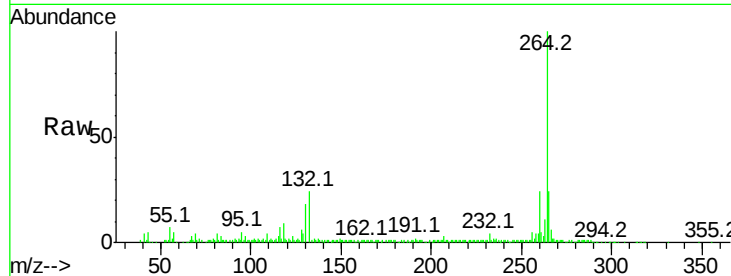
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.07 min Scan# 2225
Delta R.T. -0.03 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-WSW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	24.0	17.2	25.8

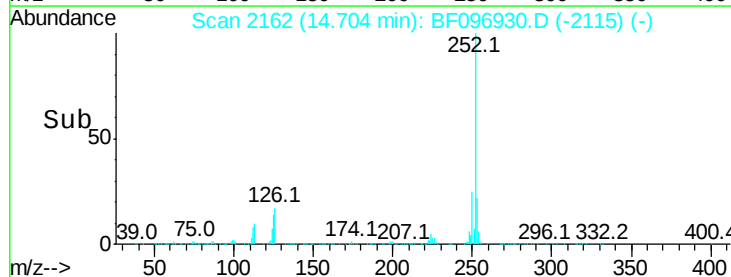
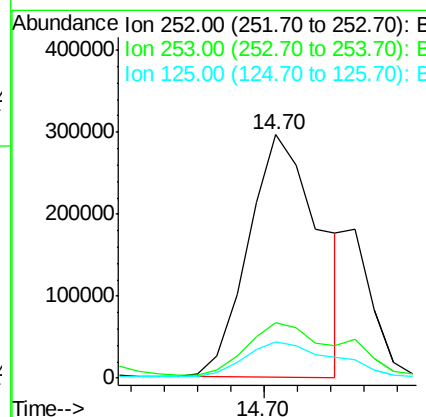
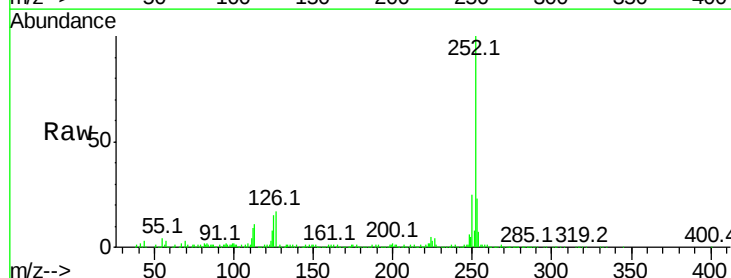
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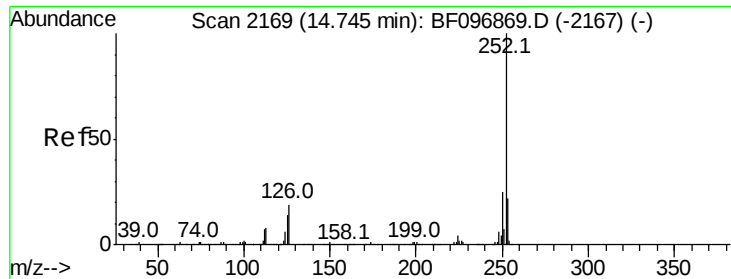
Sohil
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#87
Benzo(b)fluoranthene
Concen: 48.015 ng m
RT: 14.70 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	14.9	9.8	14.8#





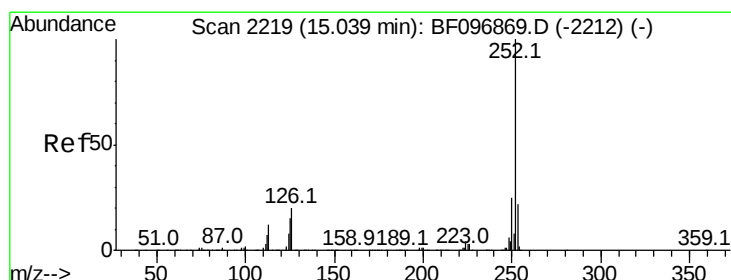
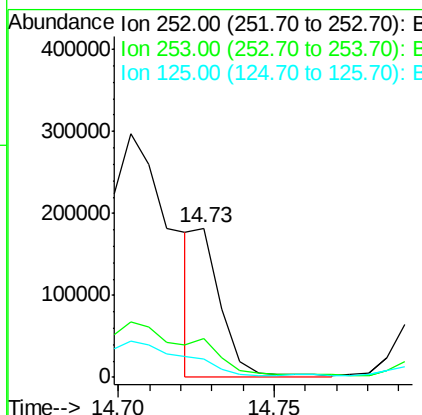
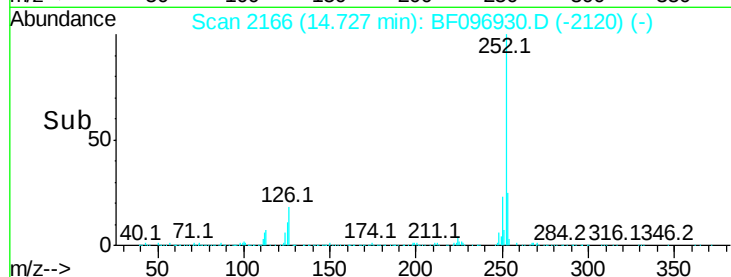
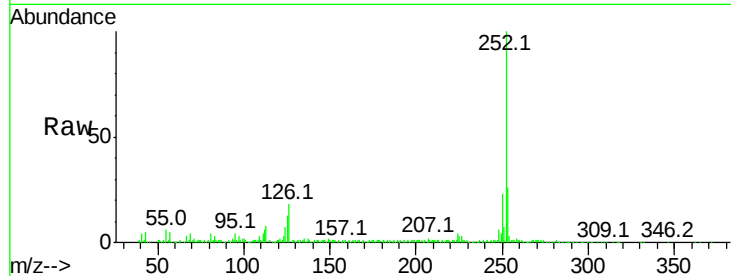
#88
Benzo(k)fluoranthene
Concen: 12.122 ng
RT: 14.73 min Scan# 2166
Delta R.T. -0.03 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-WSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.4	27.6
125	12.6	13.1	19.7

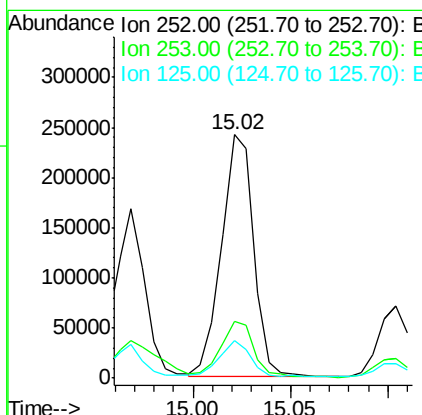
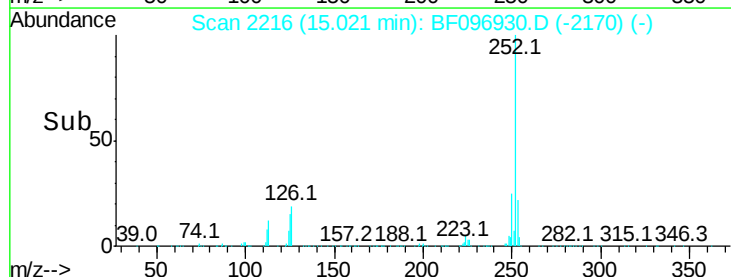
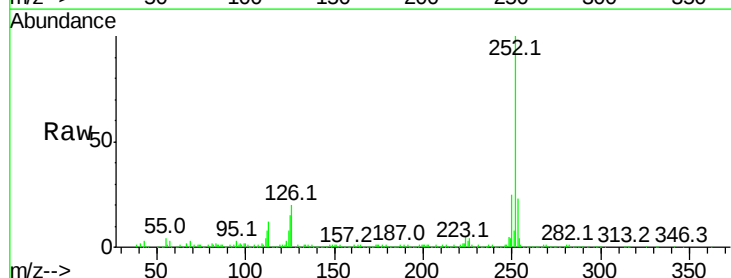
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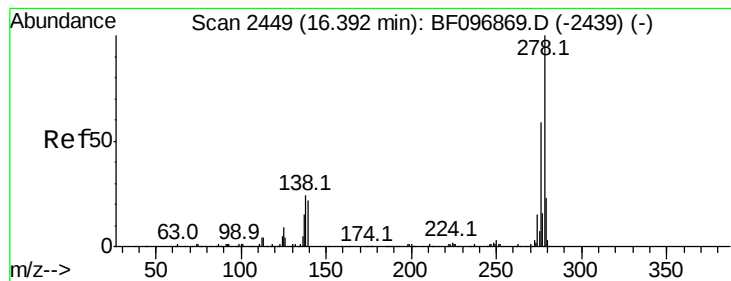
Sohil
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#89
Benzo(a)pyrene
Concen: 32.817 ng
RT: 15.02 min Scan# 2216
Delta R.T. -0.03 min
Lab File: BF096930.D
Acq: 21 Jul 2017 4:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	15.4	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 4.845 ng

RT: 16.50 min Scan# 2467

Delta R.T. 0.09 min

Lab File: BF096930.D

Acq: 21 Jul 2017 4:04

Instrument :

BNA_F

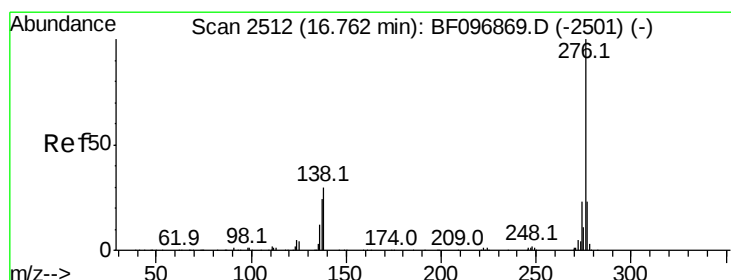
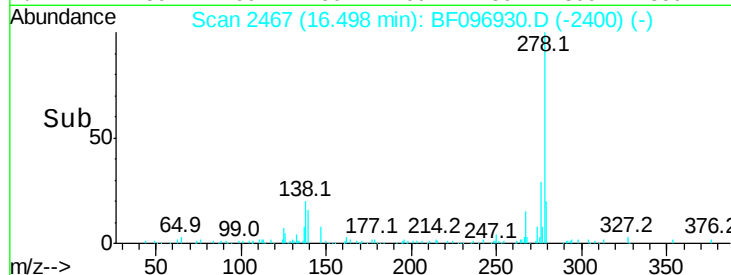
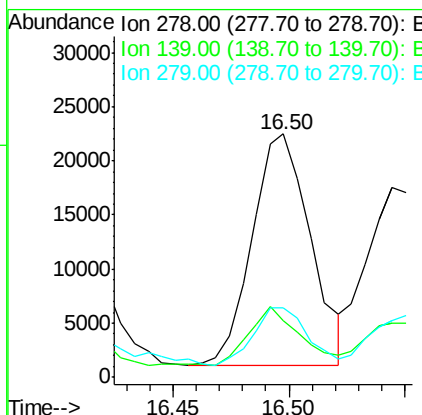
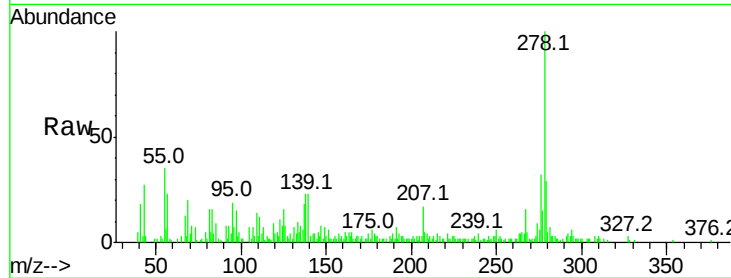
ClientSampleId :

E2-O-P-6-7-WSW

Tot Ion:	278	Resp:	37596
Ion Ratio	Lower	Upper	
278	100		
139	23.1	16.6	24.8
279	28.6	19.3	28.9

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 18.116 ng

RT: 16.73 min Scan# 2506

Delta R.T. -0.05 min

Lab File: BF096930.D

Acq: 21 Jul 2017 4:04

Tgt Ion:	276	Resp:	150553
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.6	28.0
138	30.4	25.4	38.0

