

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097906.D
 Acq On : 21 Aug 2017 15:10
 Operator : SJ/JU
 Sample : I4844-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081617

Manual Integrations
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Sohil
 8/22/2017 5:43:54 PM

Quant Time: Aug 21 16:08:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	110329	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	388078	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	142052	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	236941	20.00	ng	0.00
75) Chrysene-d12	13.90	240	236022	20.00	ng	0.00
86) Perylene-d12	15.32	264	170166	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	562259	77.52	ng	0.00
7) Phenol-d6	6.38	99	739757	75.06	ng	0.00
23) Nitrobenzene-d5	7.31	82	452137	63.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	93546	75.90	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	633505	65.52	ng	0.00
78) Terphenyl-d14	12.85	244	459003	40.55	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.39	94	23909	2.074	ng	92
49) Dimethylphthalate	9.50	163	93568	9.011	ng	99
70) Phenanthrene	11.29	178	150521	11.922	ng	99
71) Anthracene	11.34	178	60998	4.763	ng	99
74) Fluoranthene	12.47	202	354774	26.921	ng	98
77) Pyrene	12.70	202	330913	17.142	ng	98
80) Benzo(a)anthracene	13.89	228	180199	12.739	ng	94
82) Chrysene	13.92	228	190867m	13.564	ng	
83) Bis(2-ethylhexyl)phthalate	13.89	149	17966	2.191	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.69	276	65227m	6.301	ng	
87) Benzo(b)fluoranthene	14.91	252	199776m	18.625	ng	
88) Benzo(k)fluoranthene	14.94	252	75477m	7.490	ng	
89) Benzo(a)pyrene	15.26	252	128641	13.548	ng	94
90) Dibenzo(a,h)anthracene	16.71	278	18205	2.355	ng	# 84
91) Benzo(a,h,i)perylene	17.11	276	62603	7.761	ng	93

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

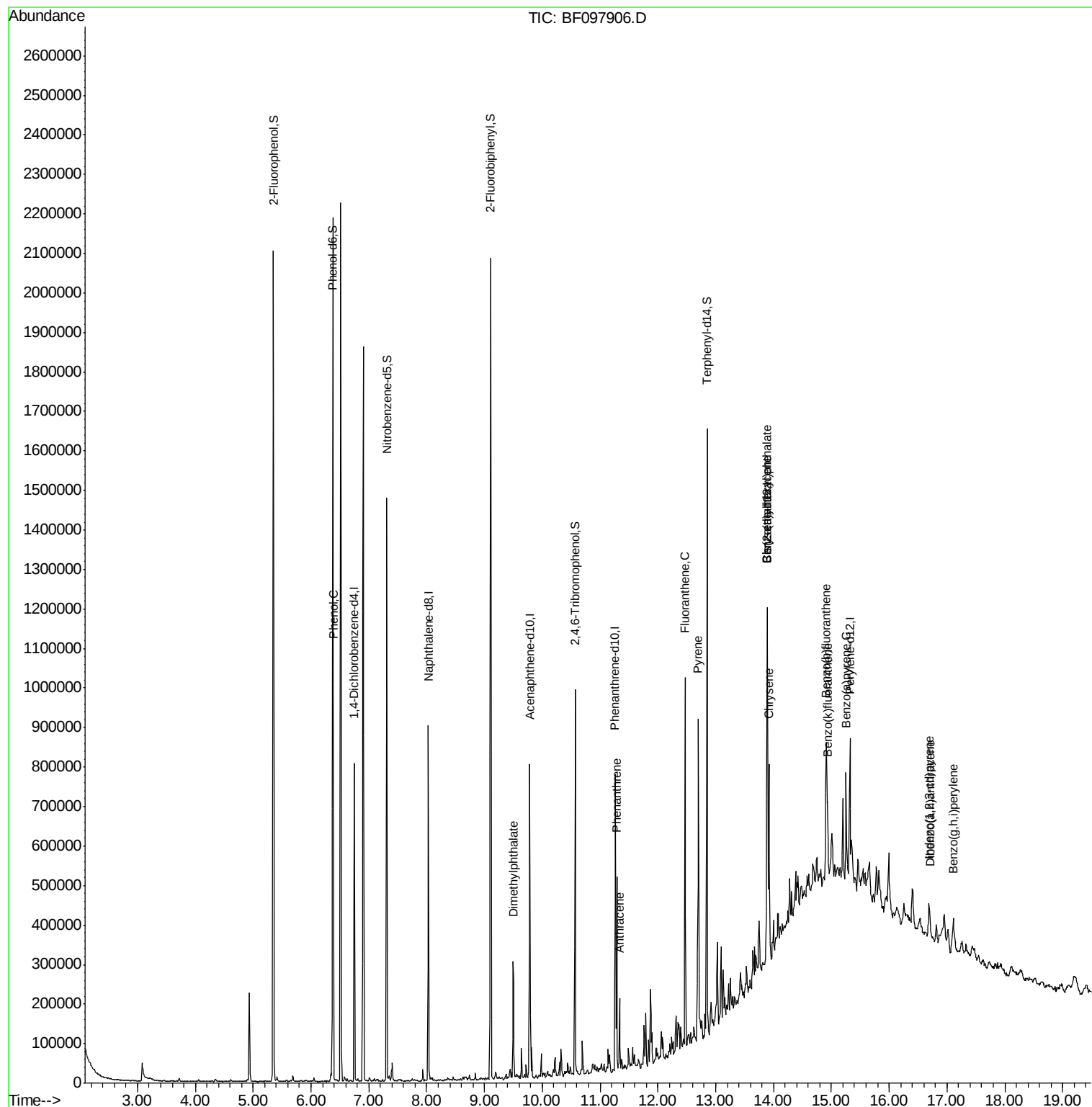
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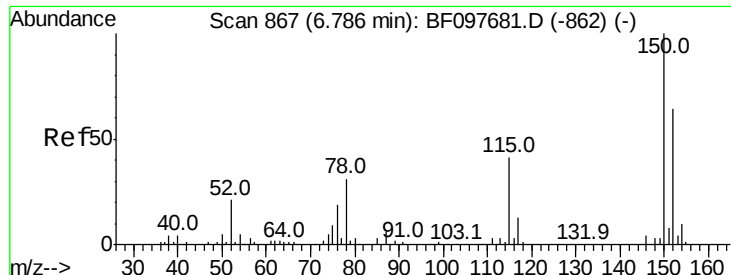
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#1

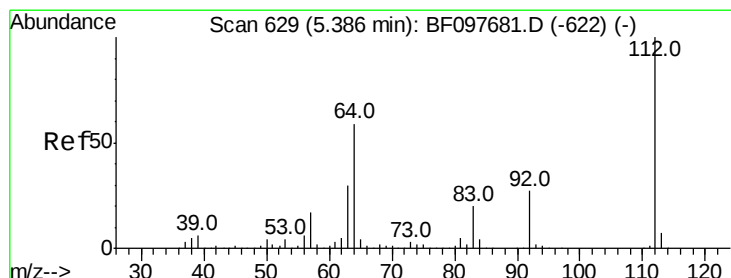
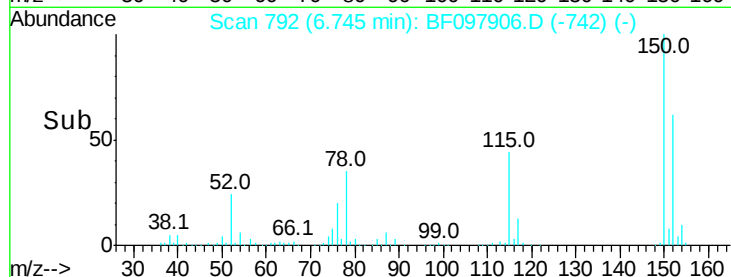
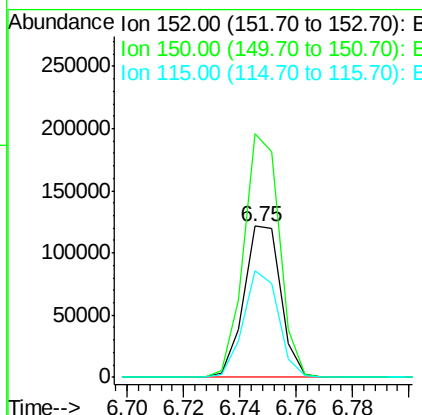
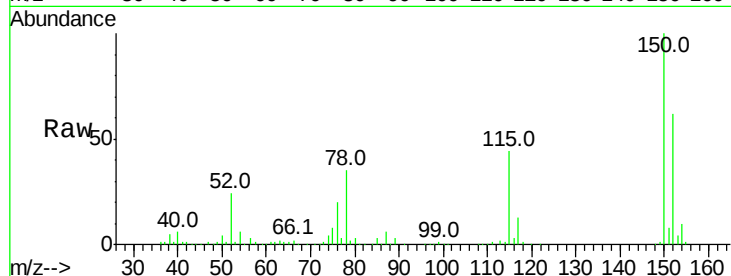
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	126.2	189.2
115	70.3	52.2	78.2

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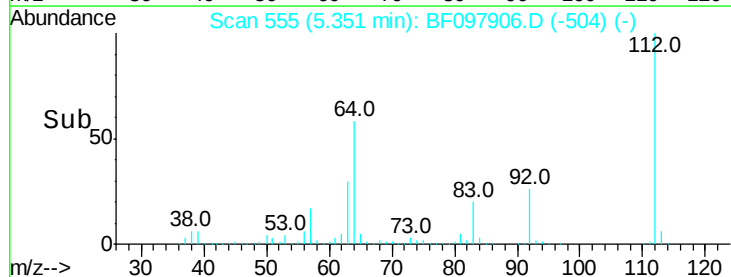
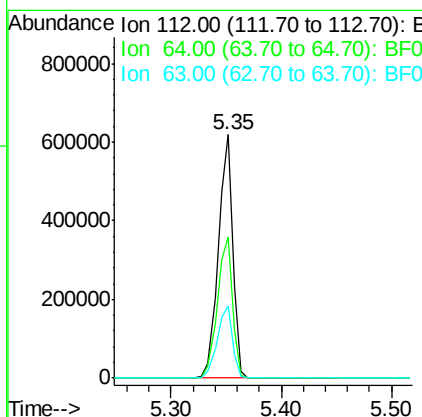
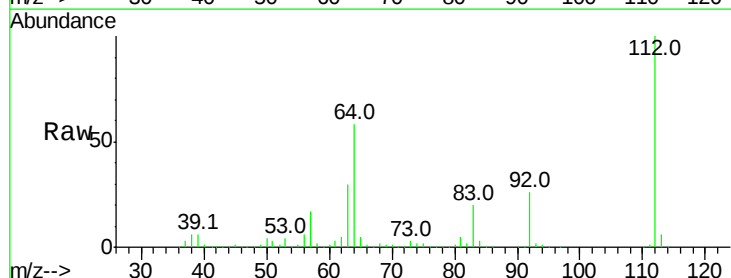
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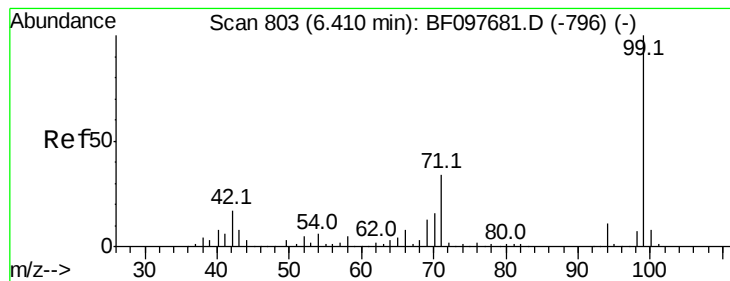


#5

2-Fluorophenol
Concen: 77.517 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.0	69.0
63	29.7	23.4	35.0





#7

Phenol-d6

Concen: 75.062 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097906.D

Acq: 21 Aug 2017 15:10

Instrument :

BNA_F

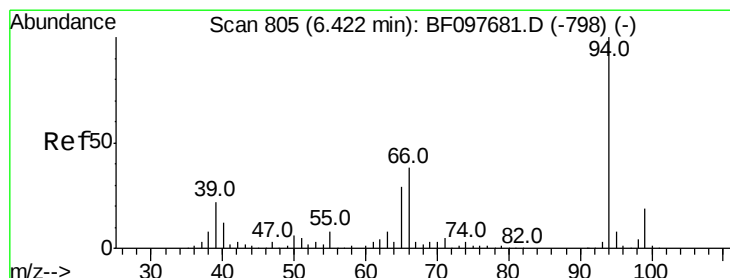
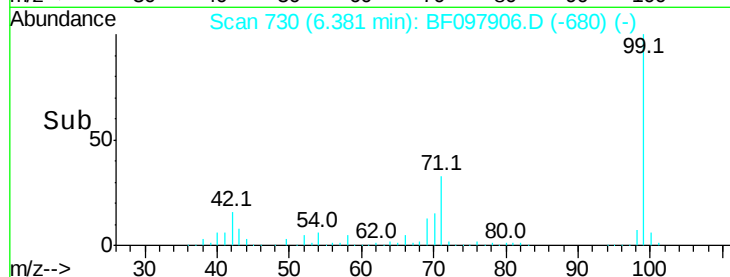
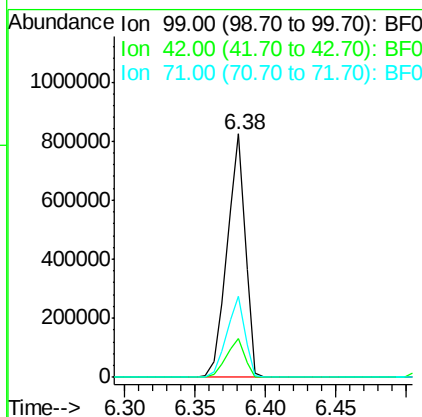
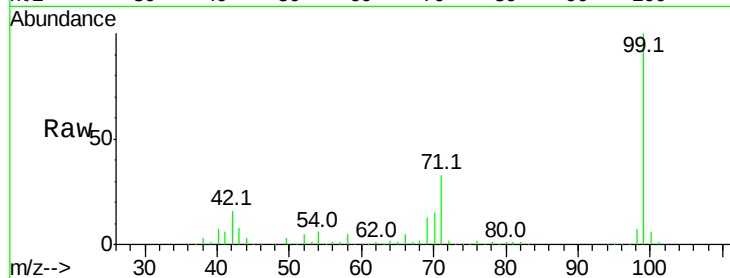
ClientSampleId :

OR-03-081617

Tot Ion	Ratio	Resp	Lower	Upper
99	100	739757		
42	15.9	13.5	20.3	
71	33.3	24.5	36.7	

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#10

Phenol

Concen: 2.074 ng

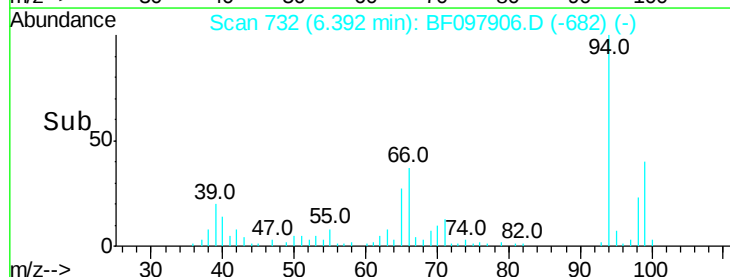
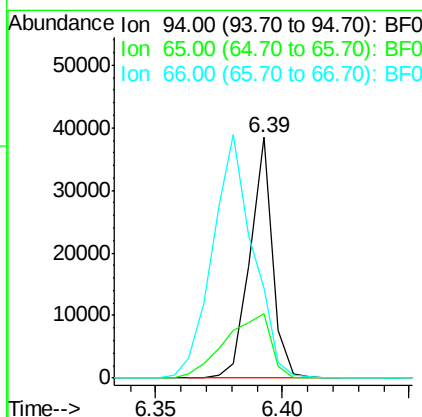
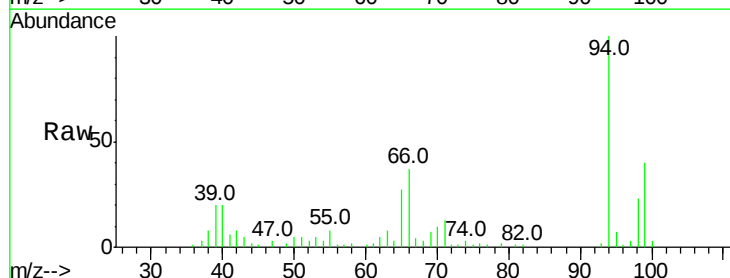
RT: 6.39 min Scan# 732

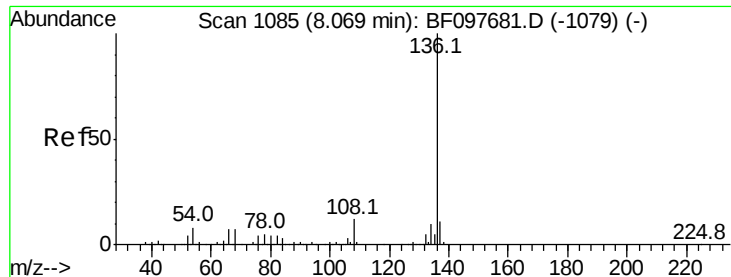
Delta R.T. -0.01 min

Lab File: BF097906.D

Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	23909		
65	26.7	9.9	49.9	
66	37.2	23.1	63.1	





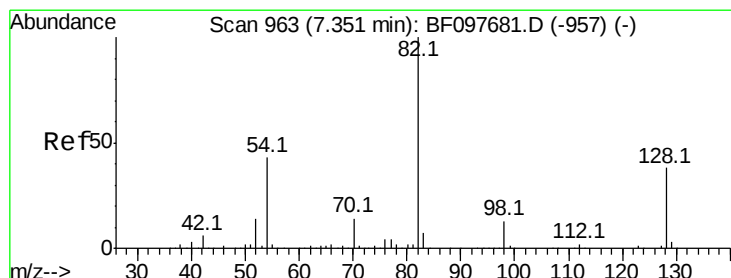
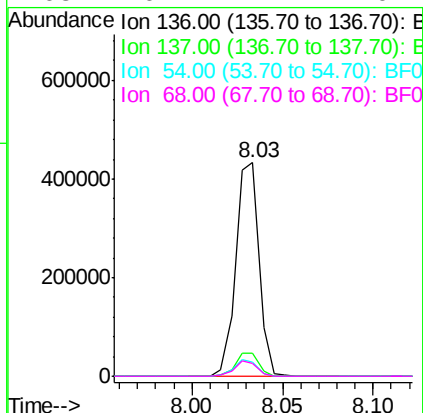
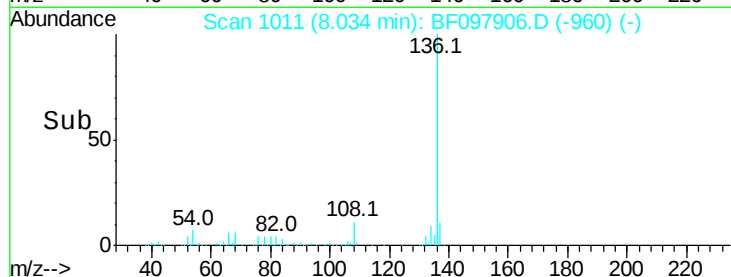
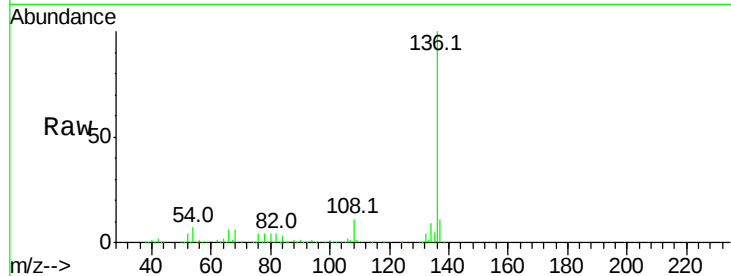
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.5	12.7
54	6.8	4.9	7.3
68	6.2	4.1	6.1#

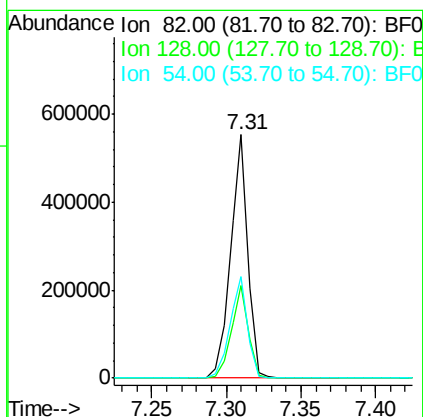
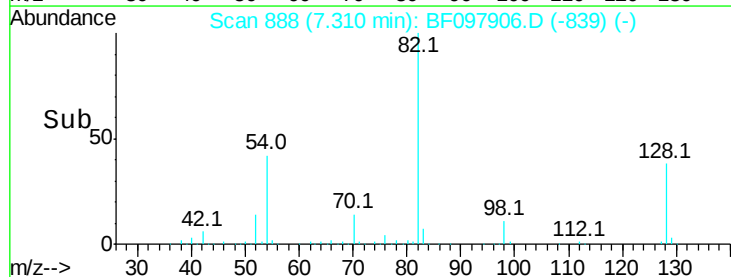
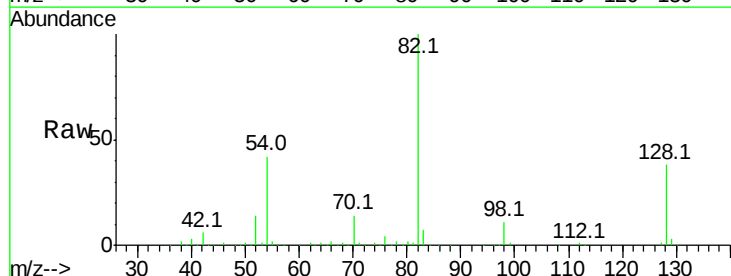
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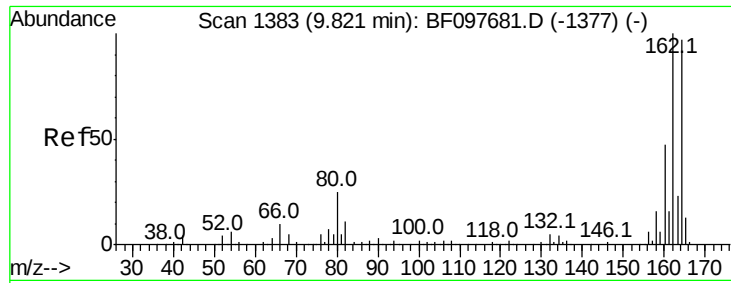
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#23
Nitrobenzene-d5
Concen: 63.292 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	38.0	34.0	51.0
54	41.5	42.2	63.2#





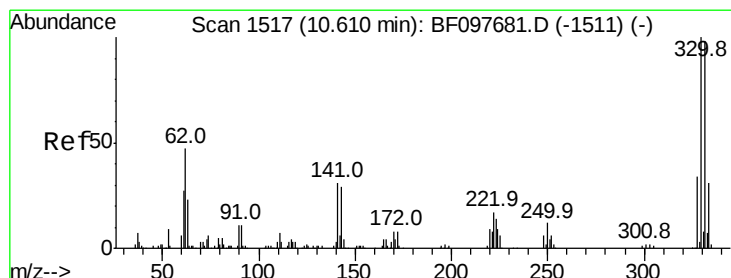
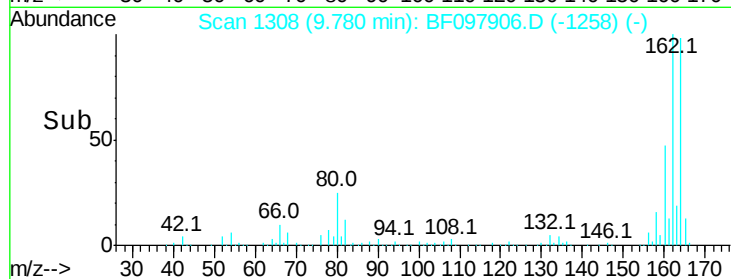
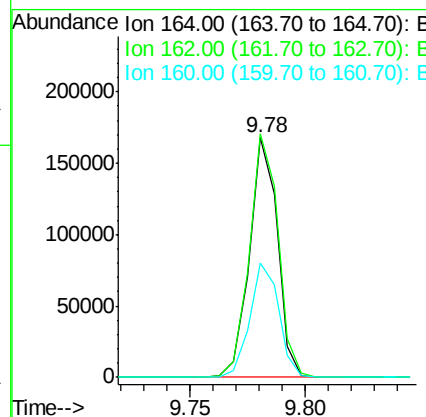
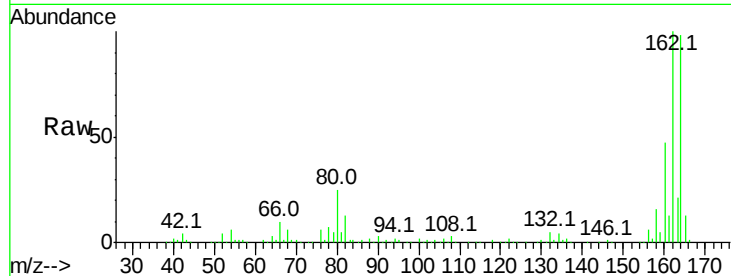
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097906.D
 Acq: 21 Aug 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081617

Tot Ion	Ratio	Resp	Lower	Upper
164	100	142052		
162	101.6	82.6	123.8	
160	47.9	36.2	54.2	

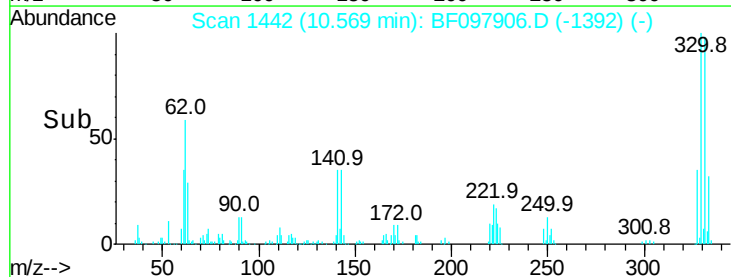
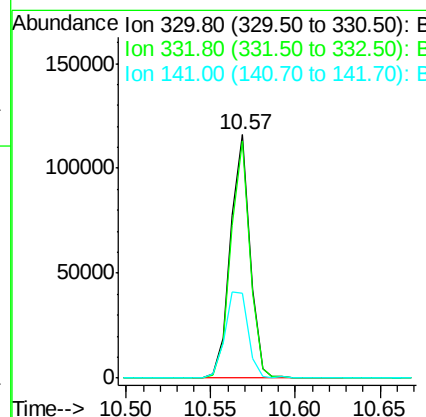
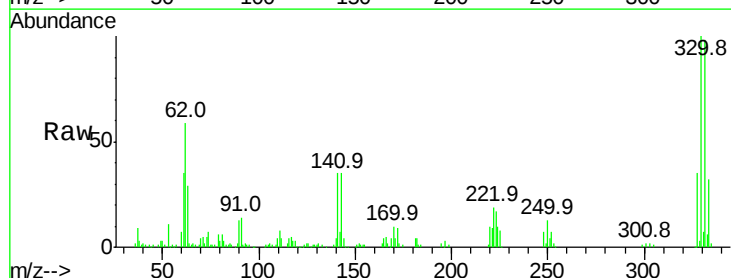
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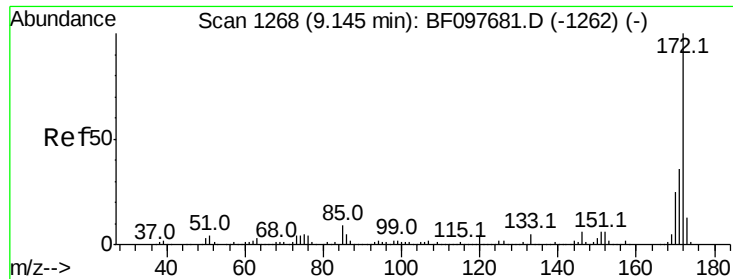
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#41
 2,4,6-Tribromophenol
 Concen: 75.897 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097906.D
 Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	93546		
332	95.4	76.6	115.0	
141	42.8	31.4	47.2	





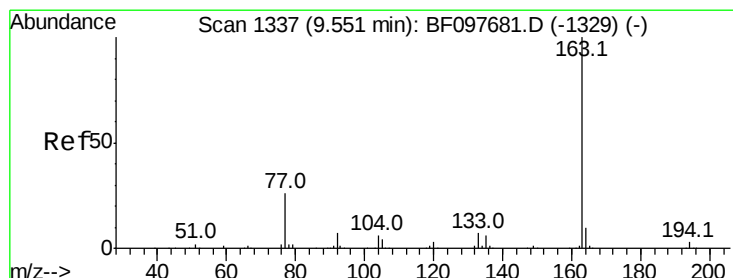
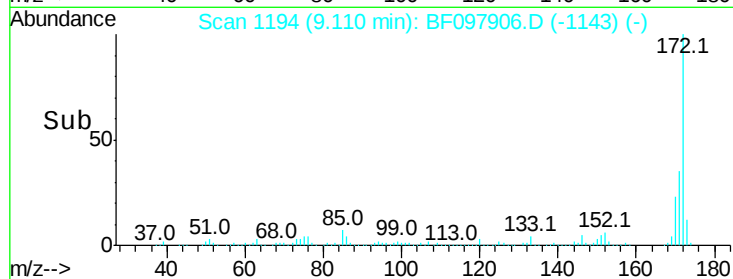
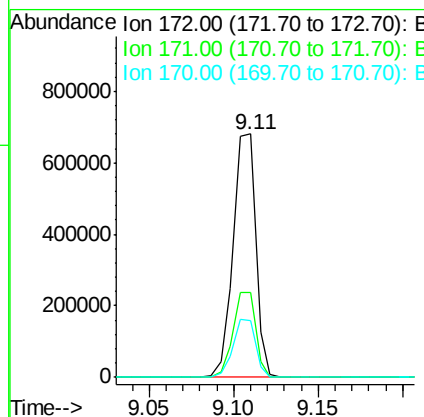
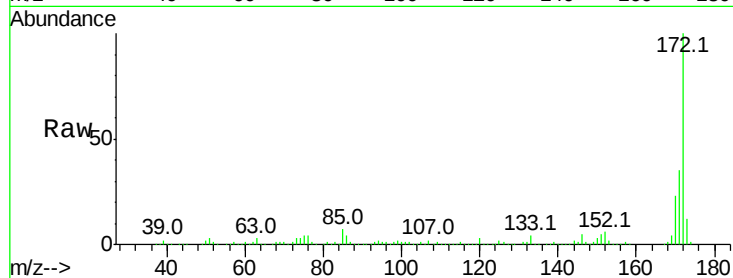
#44
2-Fluorobiphenyl
Concen: 65.522 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Resp	Lower	Upper
172	100	633505		
171	34.9		29.6	44.4
170	23.5		19.8	29.8

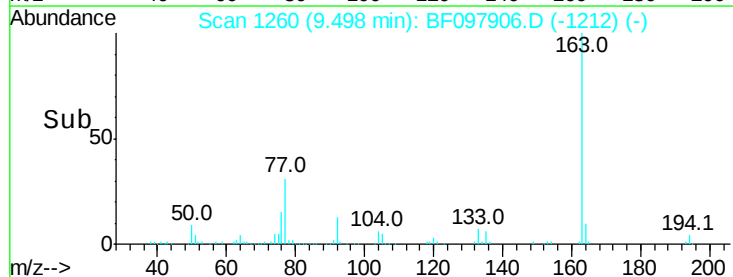
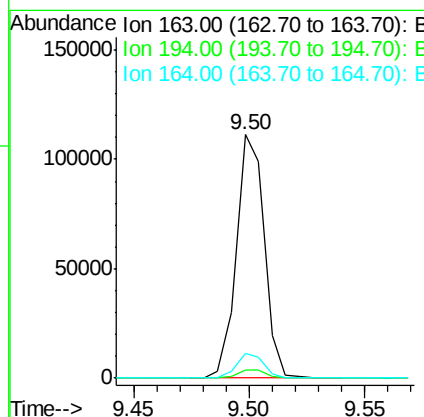
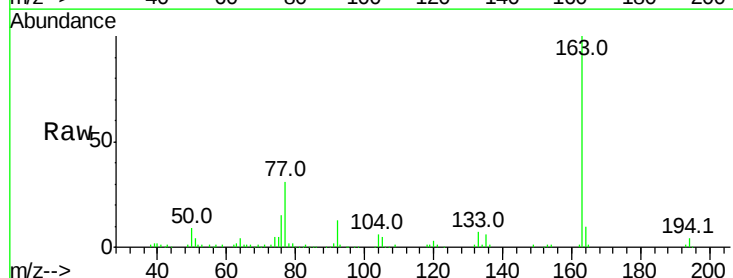
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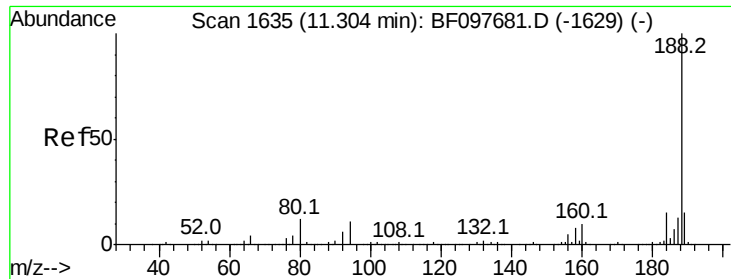
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#49
Dimethylphthalate
Concen: 9.011 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	93568		
194	3.5		2.6	4.0
164	10.0		8.4	12.6





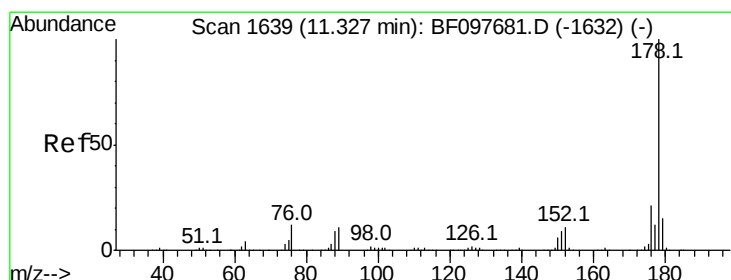
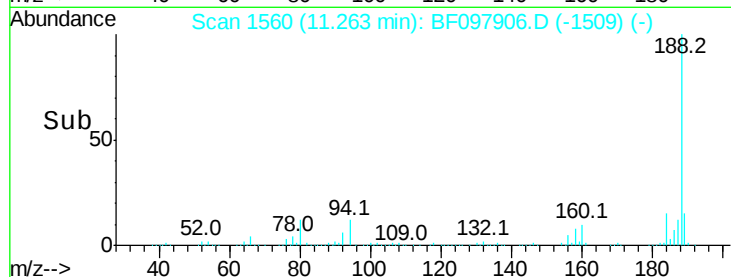
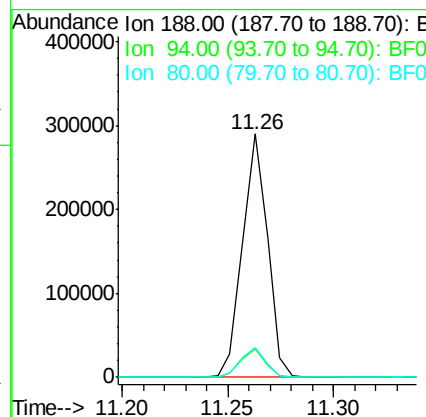
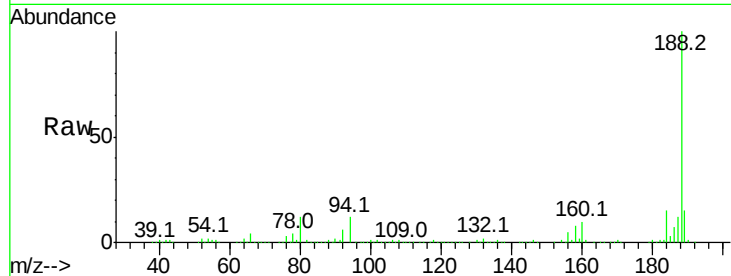
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Resp	Lower	Upper
188	100	236941		
94	11.7		9.4	14.2
80	12.5		10.2	15.2

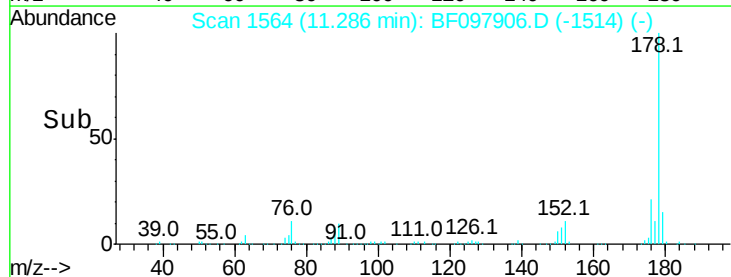
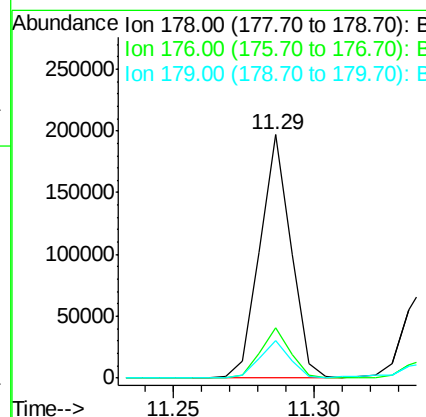
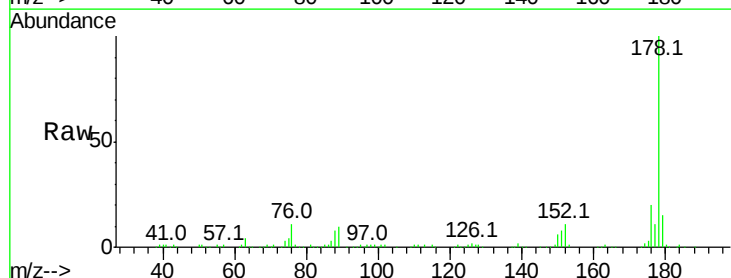
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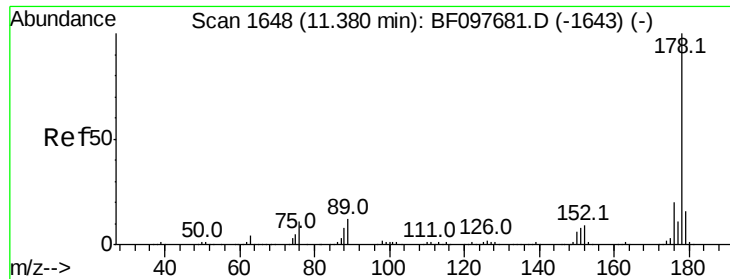
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#70
Phenanthrene
Concen: 11.922 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	150521		
176	20.5		16.2	24.4
179	15.4		12.6	19.0





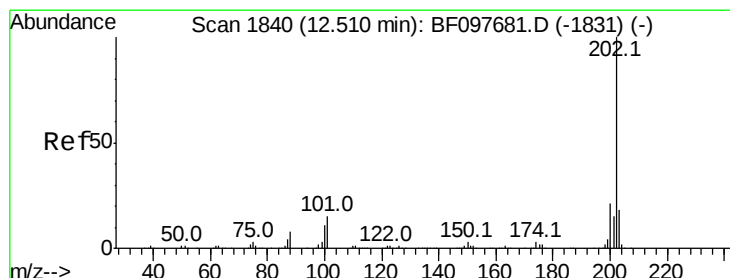
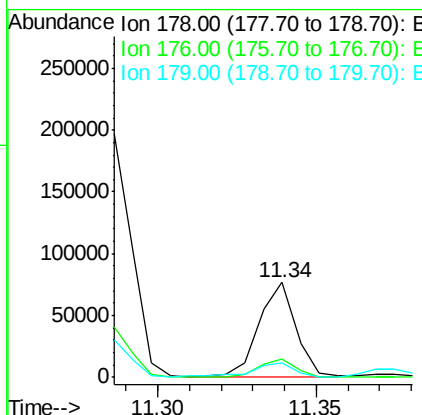
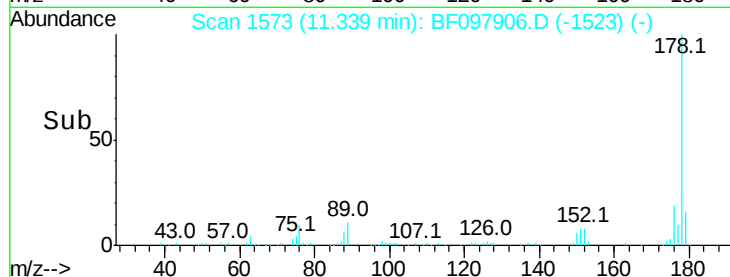
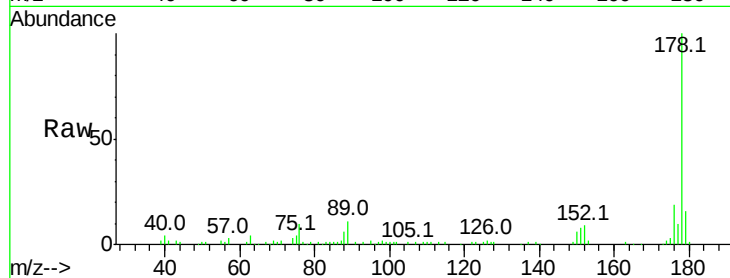
#71
 Anthracene
 Concen: 4.763 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF097906.D
 Acq: 21 Aug 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081617

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

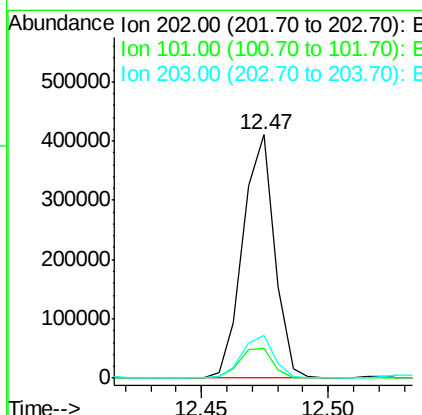
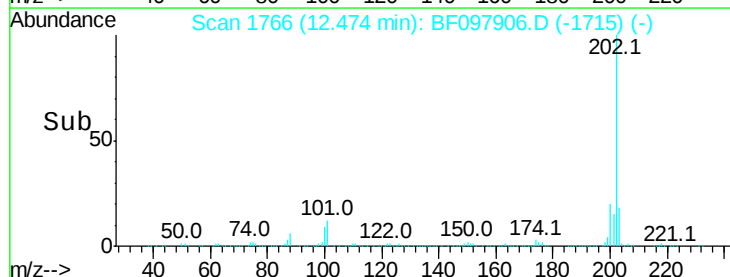
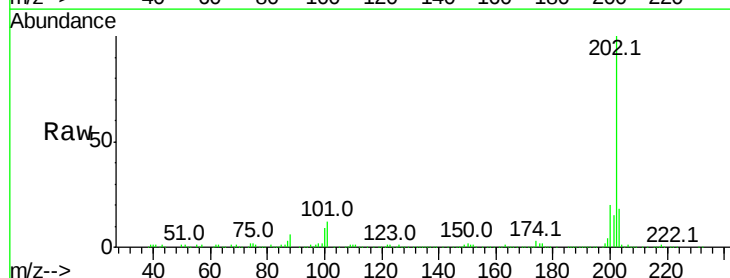
Manual Integrations
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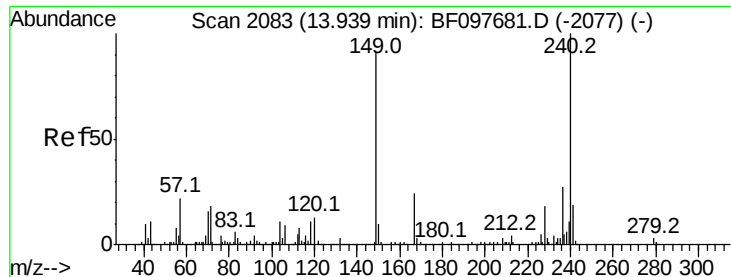
Sohil
 8/22/2017 5:43:54 PM



#74
 Fluoranthene
 Concen: 26.921 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: BF097906.D
 Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF097906.D

Acq: 21 Aug 2017 15:10

Instrument :

BNA_F

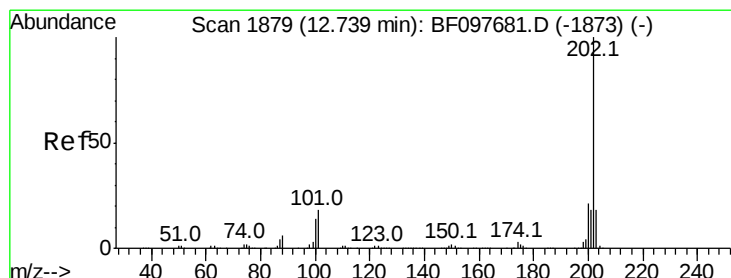
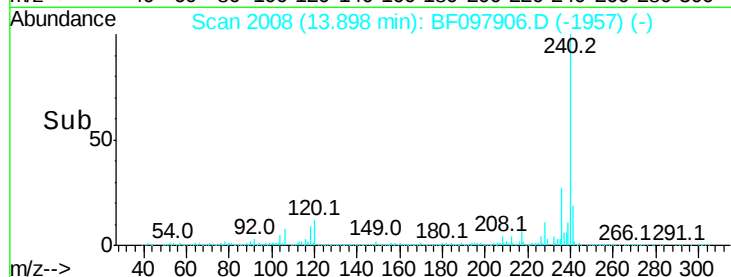
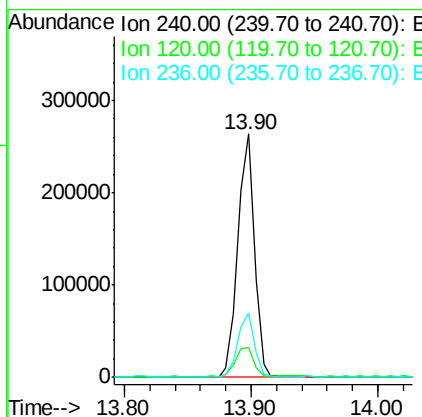
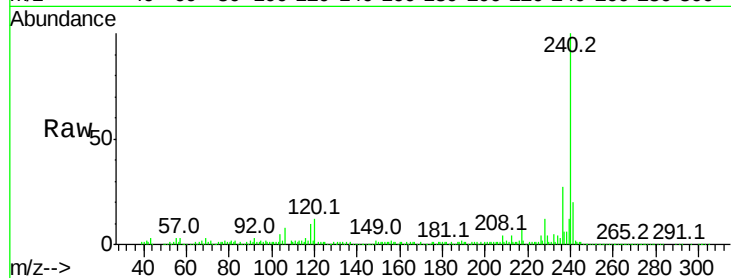
ClientSampleId :

OR-03-081617

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	5.8	8.8#
236	26.7	20.5	30.7

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#77

Pyrene

Concen: 17.142 ng

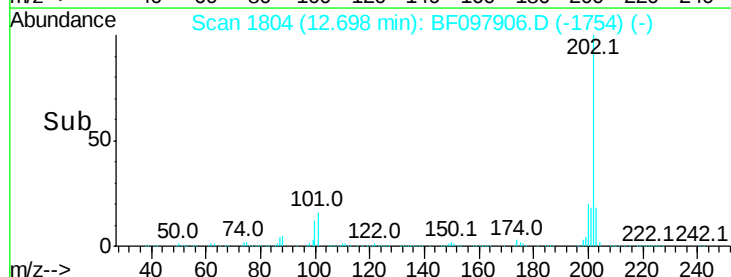
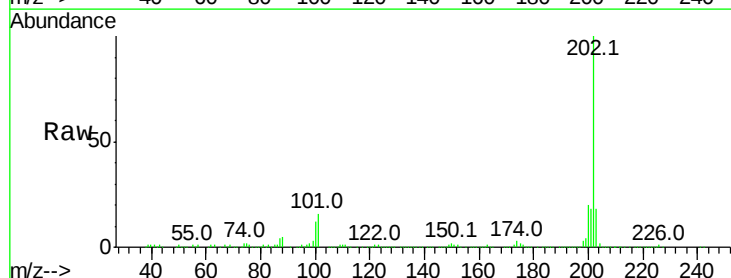
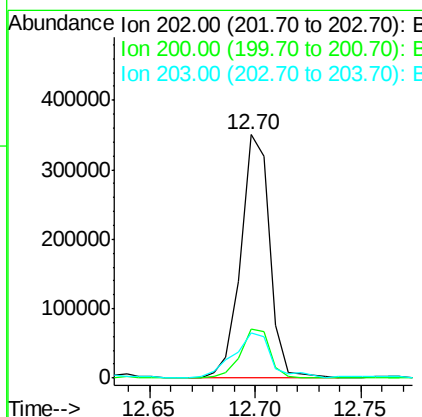
RT: 12.70 min Scan# 1804

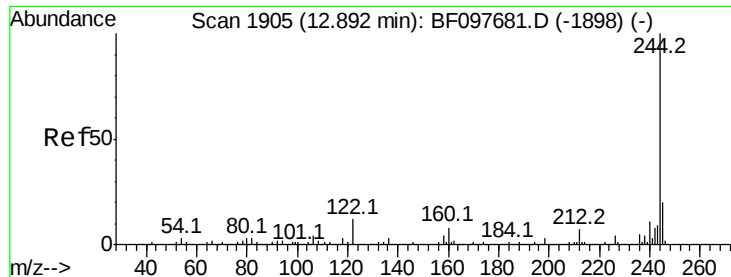
Delta R.T. -0.01 min

Lab File: BF097906.D

Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	18.4	14.4	21.6





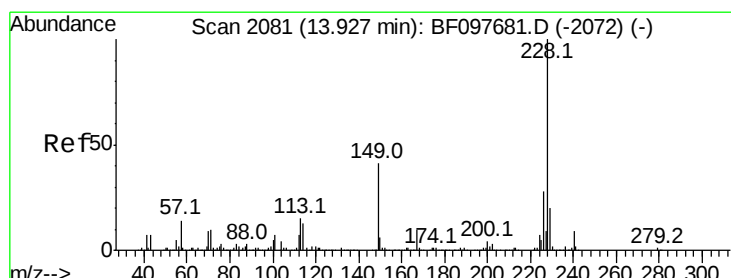
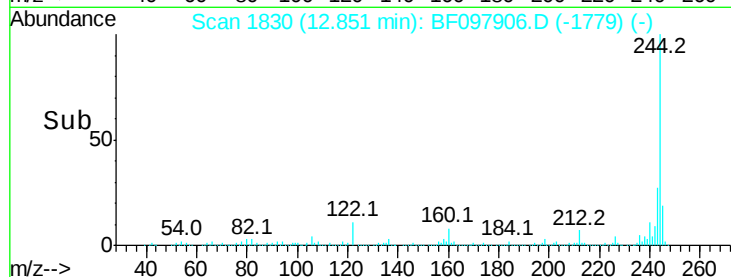
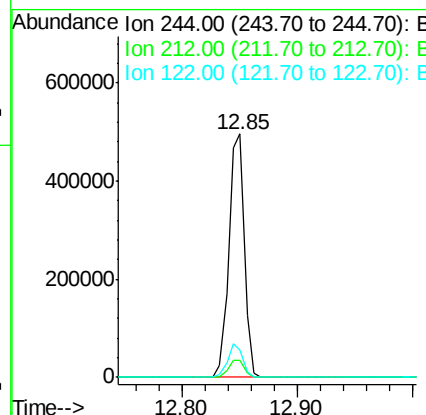
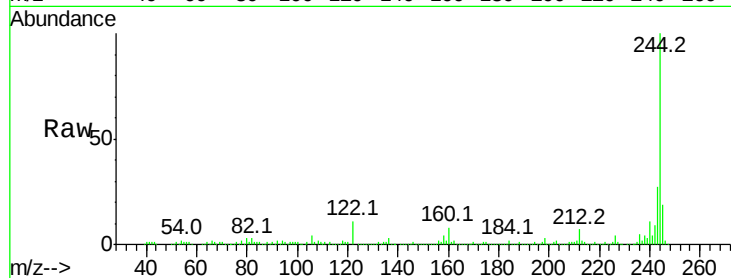
#78
 Terphenyl-d14
 Concen: 40.555 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. 0.00 min
 Lab File: BF097906.D
 Acq: 21 Aug 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081617

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.2	10.3	15.5

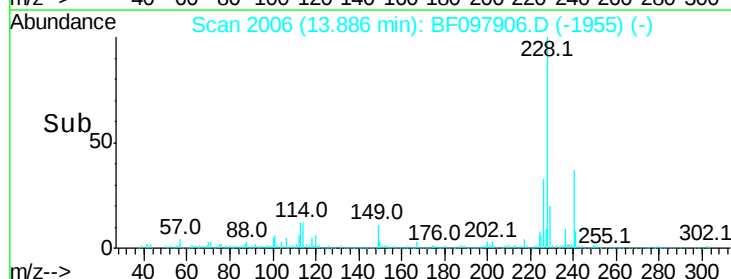
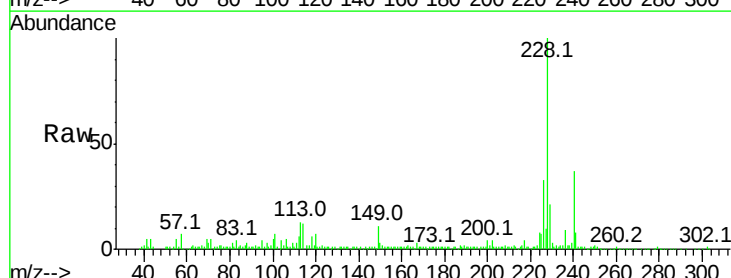
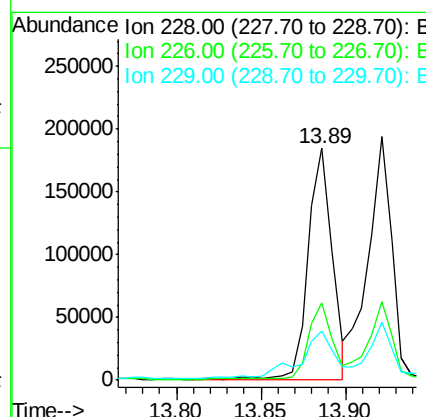
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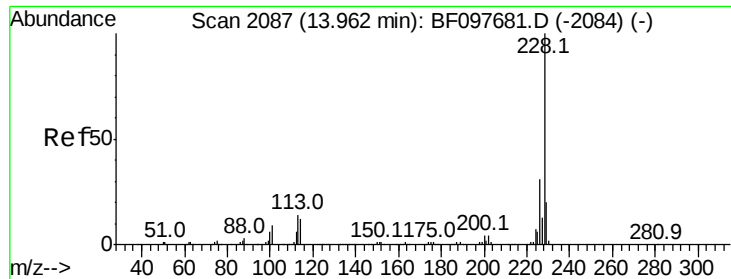
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#80
 Benzo(a)anthracene
 Concen: 12.739 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.00 min
 Lab File: BF097906.D
 Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.6	33.8
229	21.2	16.3	24.5





#82

Chrysene

Concen: 13.564 ng/mL

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097906.D

Acq: 21 Aug 2017 15:10

Instrument :

BNA_F

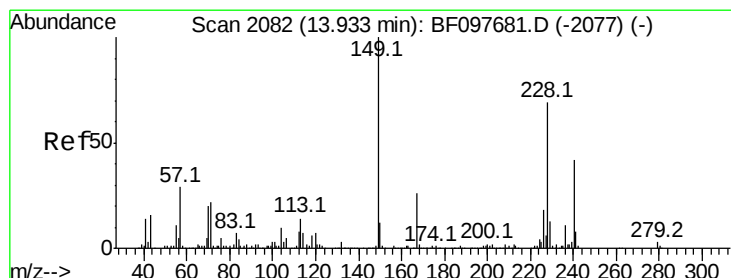
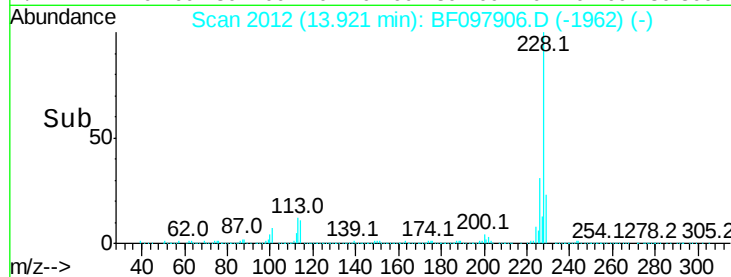
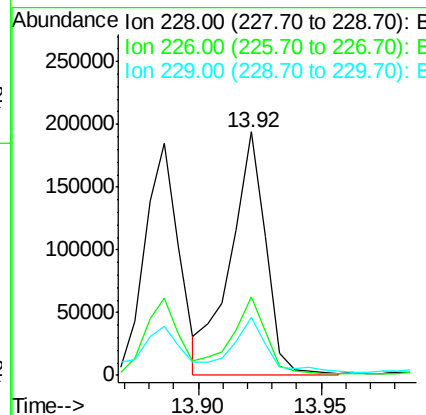
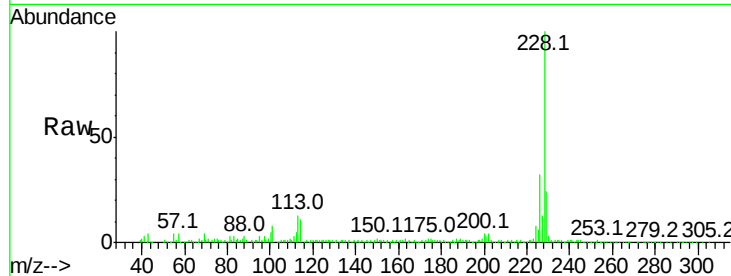
ClientSampleID :

OR-03-081617

Tot Ion:	228	Resp:	190867
Ion Ratio		Lower	Upper
228	100		
226	32.0	24.9	37.3
229	23.9	15.8	23.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 2.191 ng/mL

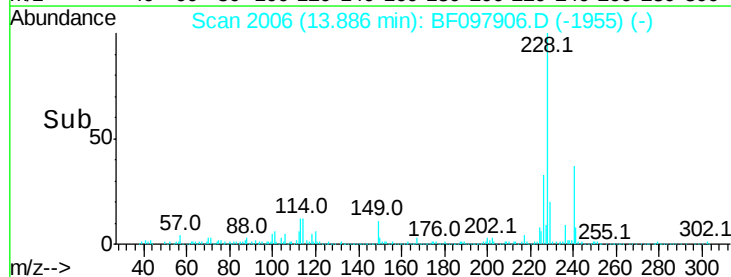
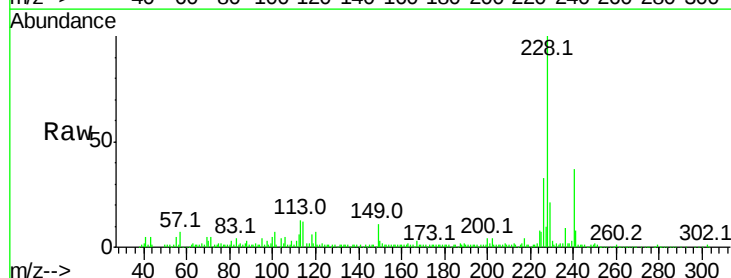
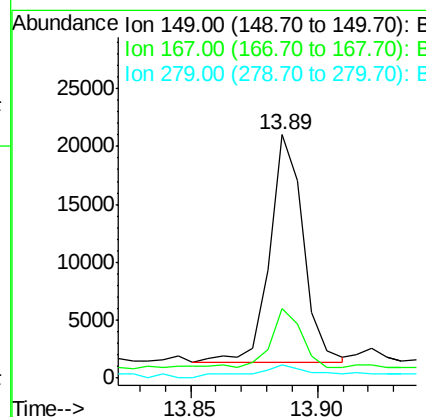
RT: 13.89 min Scan# 2006

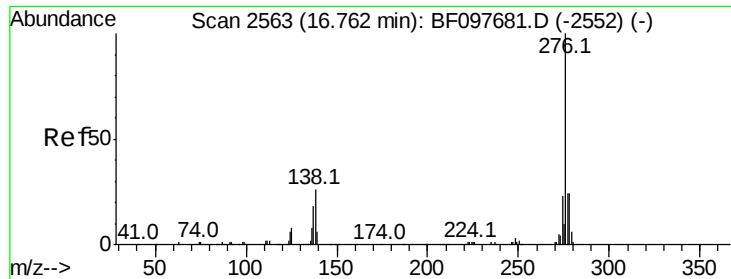
Delta R.T. 0.00 min

Lab File: BF097906.D

Acq: 21 Aug 2017 15:10

Tgt Ion:	149	Resp:	17966
Ion Ratio		Lower	Upper
149	100		
167	28.4	21.0	31.4
279	5.5	1.9	2.9





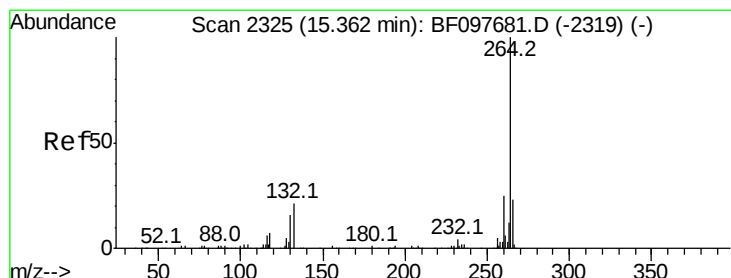
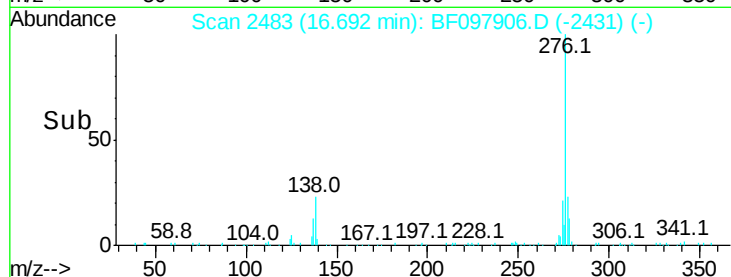
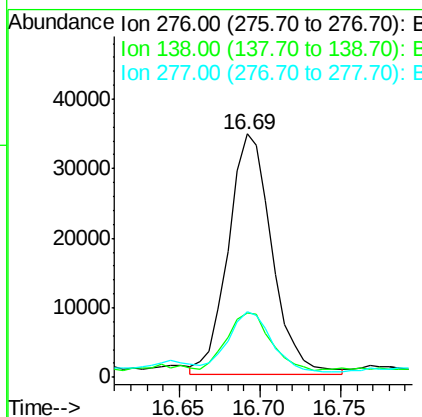
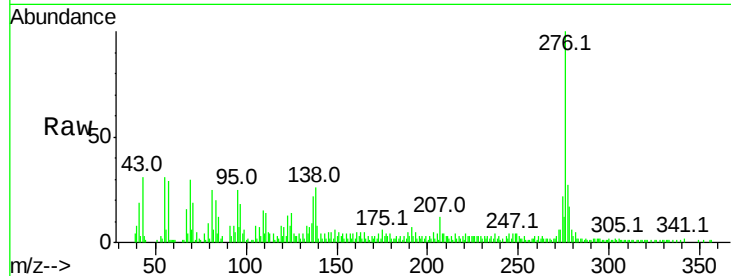
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.301 ng/ml
RT: 16.69 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.5	27.8	41.6#
277	4.8	20.2	30.4#

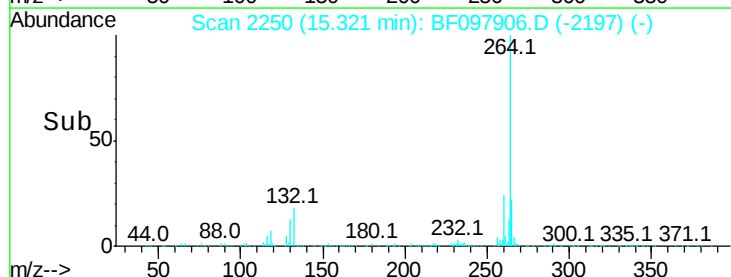
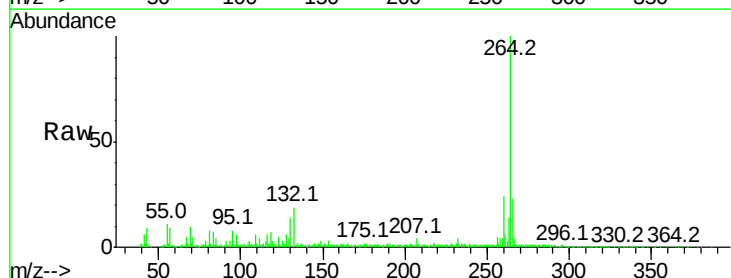
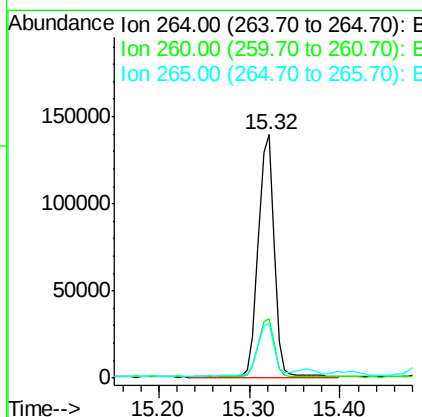
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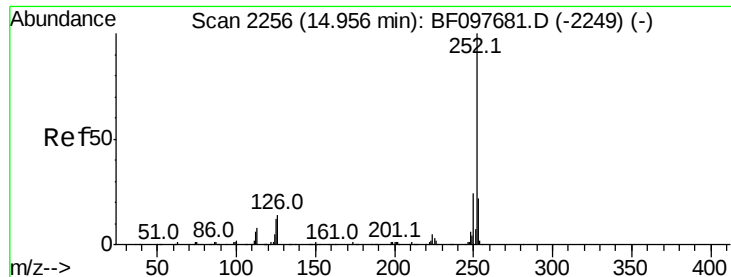
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 18.625 ng m

RT: 14.91 min Scan# 2180

Delta R.T. 0.00 min

Lab File: BF097906.D

Acq: 21 Aug 2017 15:10

Instrument :

BNA_F

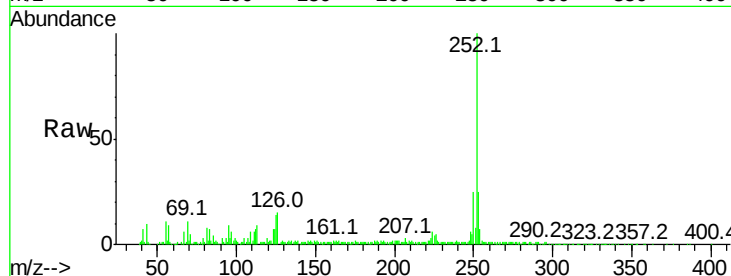
ClientSampleId :

OR-03-081617

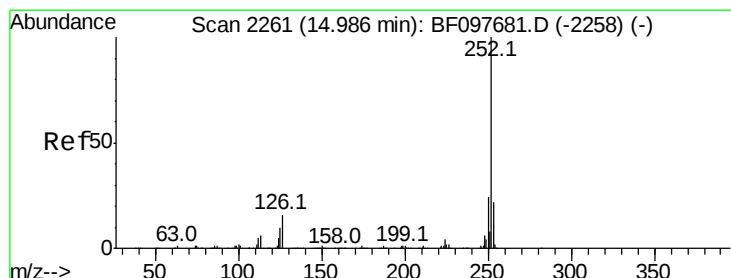
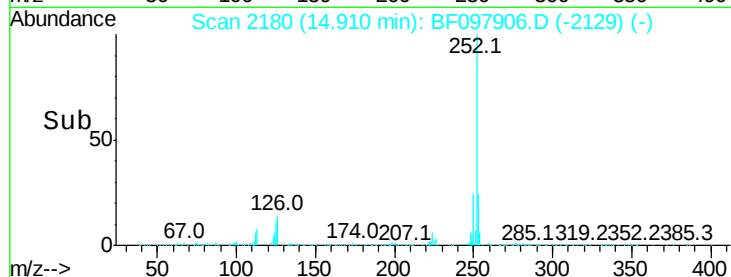
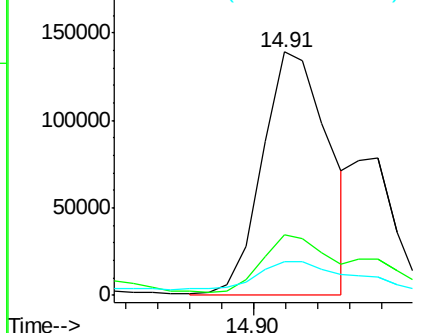
Tot Ion	Ratio	Resp	Lower	Upper
252	100	199776		
253	24.6	18.1	27.1	
125	13.8	9.8	14.8	

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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: 7.490 ng m

RT: 14.94 min Scan# 2185

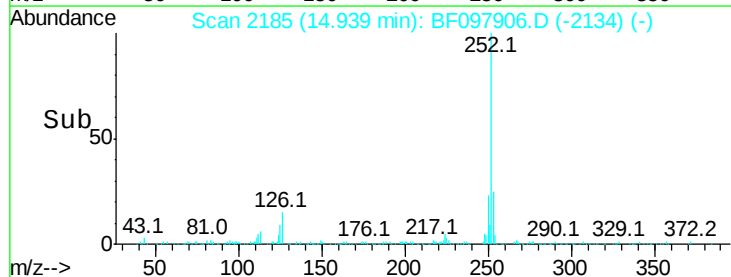
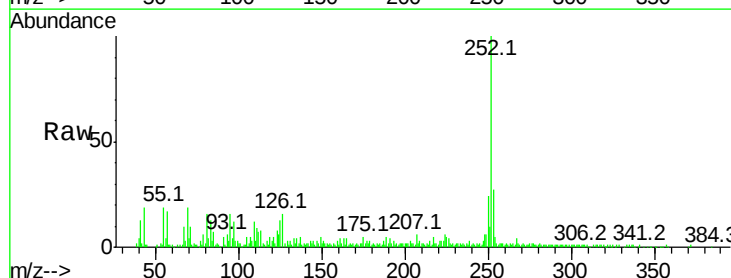
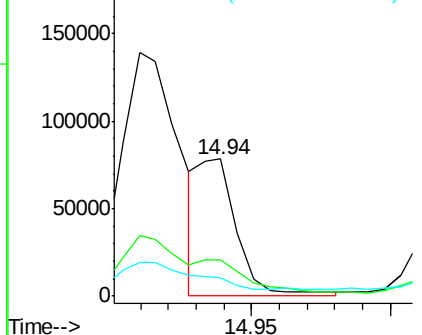
Delta R.T. 0.00 min

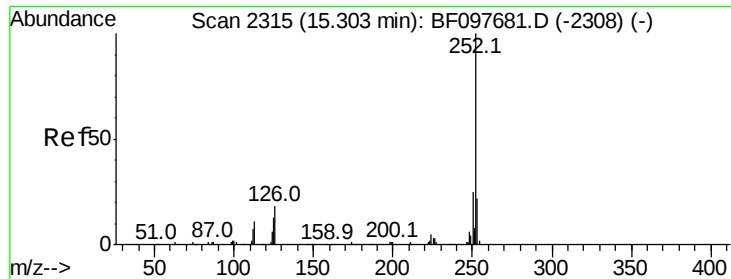
Lab File: BF097906.D

Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	75477		
253	26.9	18.4	27.6	
125	13.1	13.1	19.7	

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





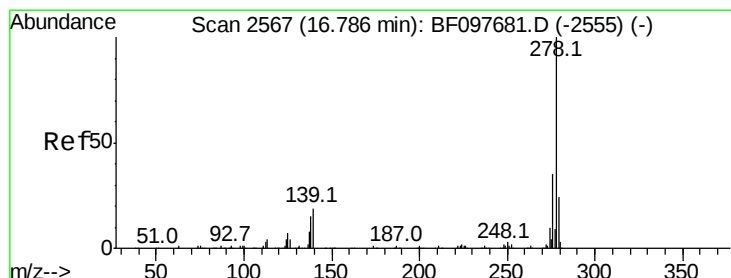
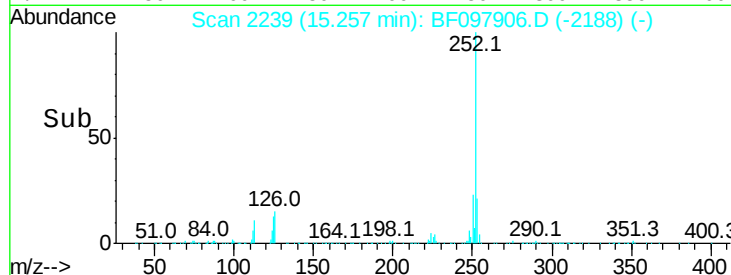
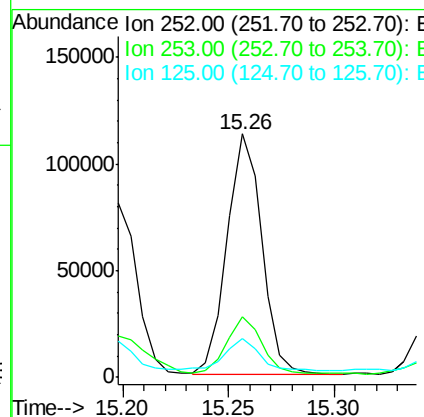
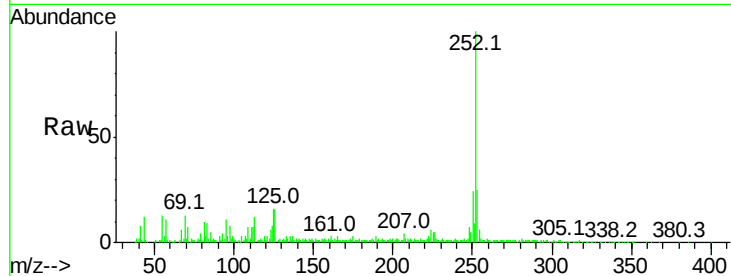
#89
Benzo(a)pyrene
Concen: 13.548 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	15.9	11.0	16.4

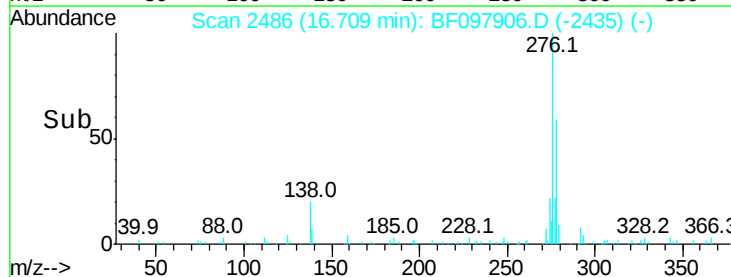
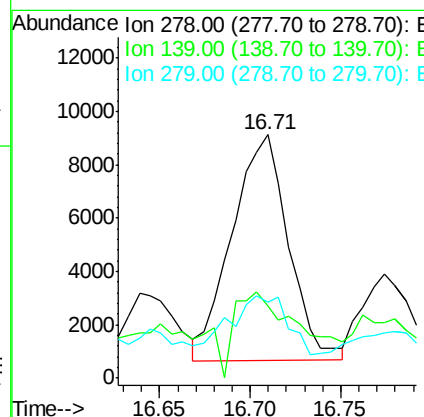
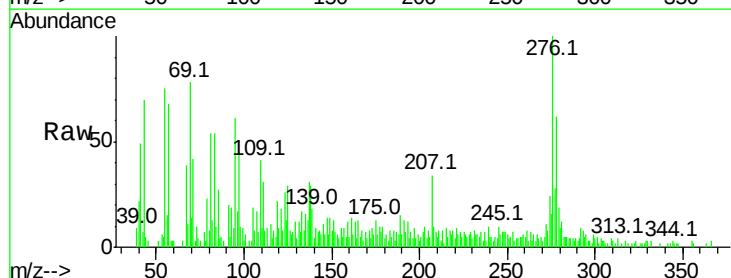
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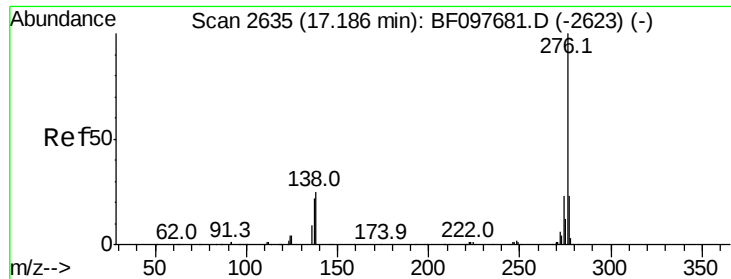
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.355 ng
RT: 16.71 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BF097906.D
Acq: 21 Aug 2017 15:10

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.4	16.6	24.8#
279	31.0	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 7.761 ng
 RT: 17.11 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: BF097906.D
 Acq: 21 Aug 2017 15:10

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081617

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.6	28.0
138	25.8	25.4	38.0

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