

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072017\
 Data File : BF096925.D
 Acq On : 21 Jul 2017 00:21
 Operator : SJ/JU
 Sample : I4316-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-071917

Manual Integrations
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 7/21/2017 1:06:01 PM

Quant Time: Jul 21 08:06:24 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	96941	20.00	ng	-0.03
21) Naphthalene-d8	7.85	136	389119	20.00	ng	-0.04
38) Acenaphthene-d10	9.60	164	162802	20.00	ng	-0.04
63) Phenanthrene-d10	11.07	188	261044	20.00	ng	-0.03
75) Chrysene-d12	13.70	240	192084	20.00	ng	-0.03
86) Perylene-d12	15.07	264	183816	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	548389	85.06	ng	-0.03
7) Phenol-d6	6.22	99	656652	84.87	ng	-0.03
23) Nitrobenzene-d5	7.13	82	387897	61.75	ng	-0.04
41) 2,4,6-Tribromophenol	10.39	330	126849	91.28	ng	-0.04
44) 2-Fluorobiphenyl	8.93	172	707607	68.67	ng	-0.04
78) Terphenyl-d14	12.66	244	482776	43.59	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.23	94	26833	3.068	ng	92
49) Dimethylphthalate	9.32	163	60916	4.969	ng	98
51) Acenaphthene	9.63	154	27054	2.796	ng	97
57) Fluorene	10.14	166	43533	4.344	ng	99
70) Phenanthrene	11.10	178	404015	28.464	ng	99
71) Anthracene	11.15	178	119901	8.355	ng	96
72) Carbazole	11.30	167	31778	2.287	ng	96
74) Fluoranthene	12.28	202	553173	40.716	ng	98
77) Pyrene	12.51	202	477160	27.372	ng	98
80) Benzo(a)anthracene	13.69	228	204399	17.078	ng	97
82) Chrysene	13.73	228	181425	15.398	ng	98
85) Indeno(1,2,3-cd)pyrene	16.34	276	74175	9.822	ng	94
87) Benzo(b)fluoranthene	14.70	252	236654m	21.347	ng	
88) Benzo(k)fluoranthene	14.72	252	67493m	6.429	ng	
89) Benzo(a)pyrene	15.02	252	161139	15.848	ng	97
90) Dibenzo(a,h)anthracene	16.35	278	20749	2.218	ng	# 74
91) Benzo(a,h,i)perylene	16.73	276	70012	6.988	ng	93

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

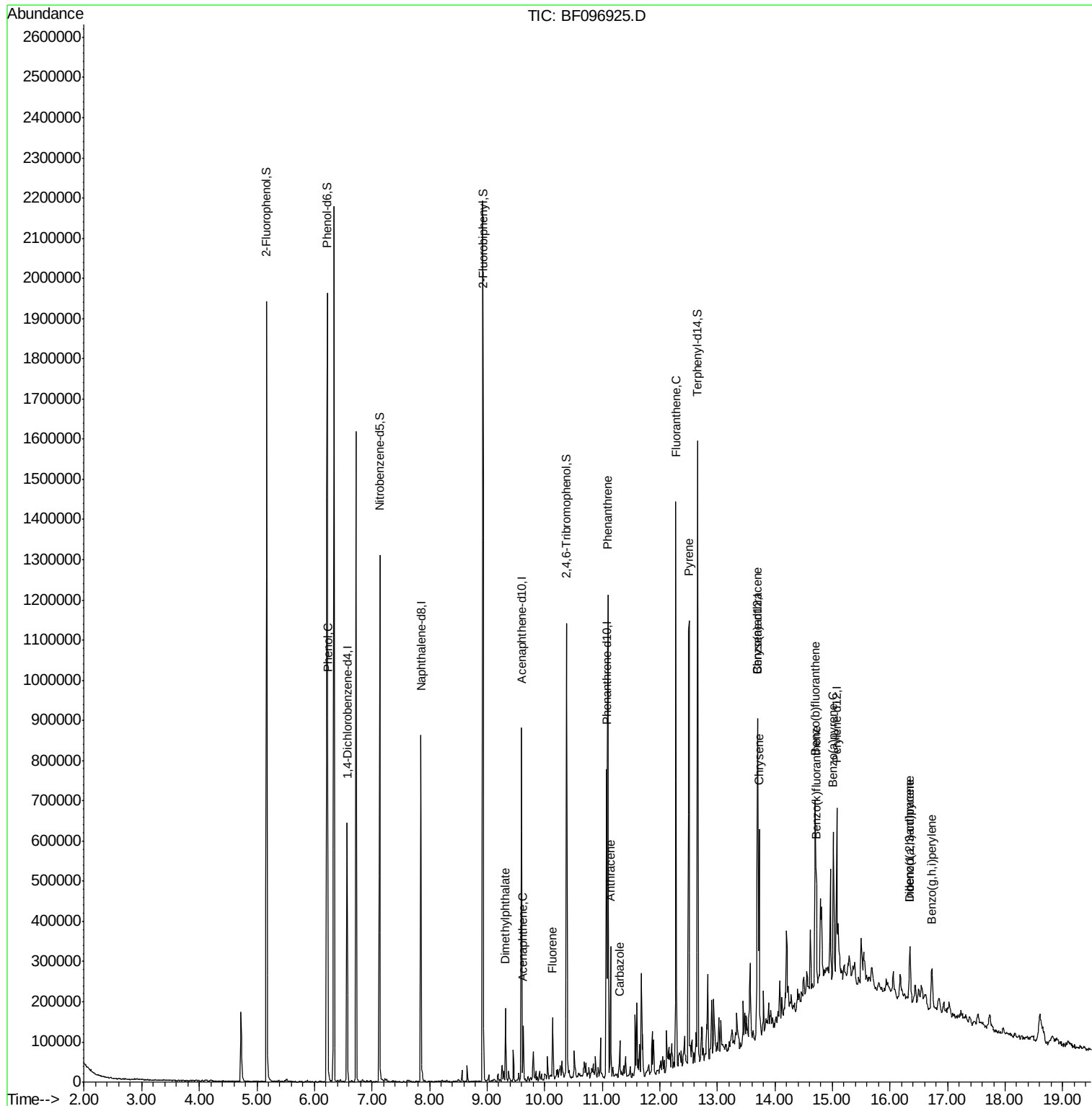
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072017\
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ALS Vial : 24 Sample Multiplier: 1

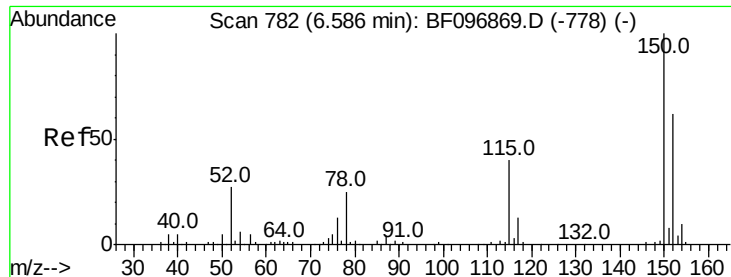
Instrument :
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#1

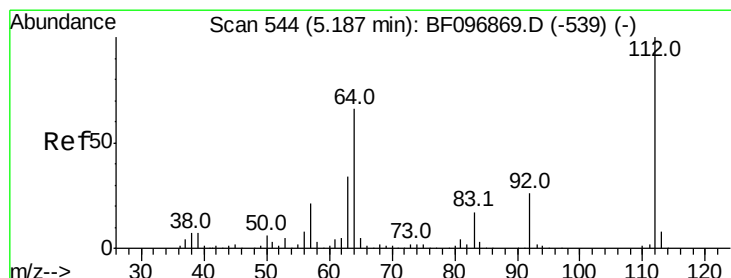
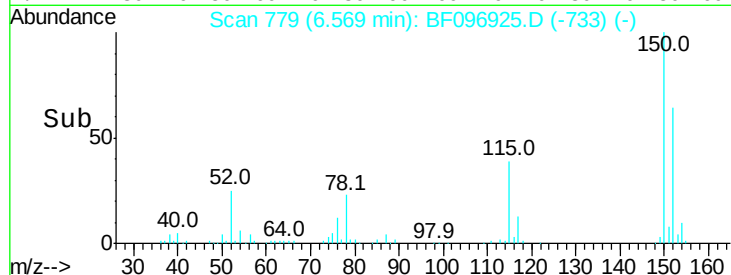
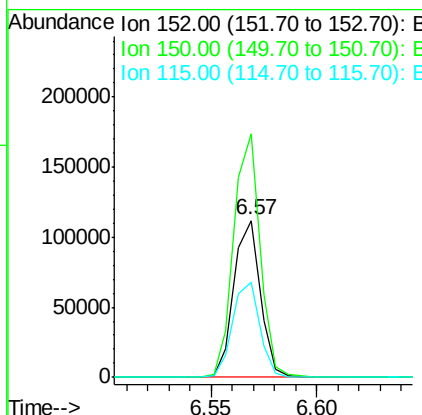
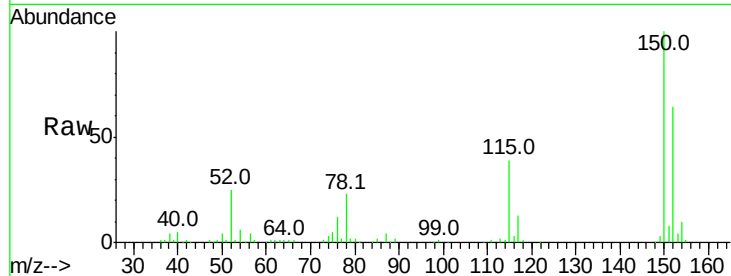
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.57 min Scan# 779
Delta R.T. -0.03 min
Lab File: BF096925.D
Acq: 21 Jul 2017 00:21

Instrument :
BNA_F
ClientSampleId :
OR-02-071917

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.2	189.2
115	61.1	52.2	78.2

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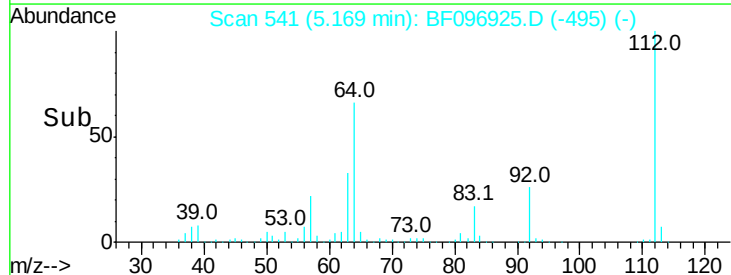
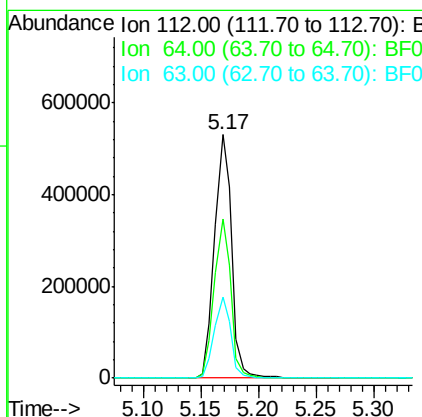
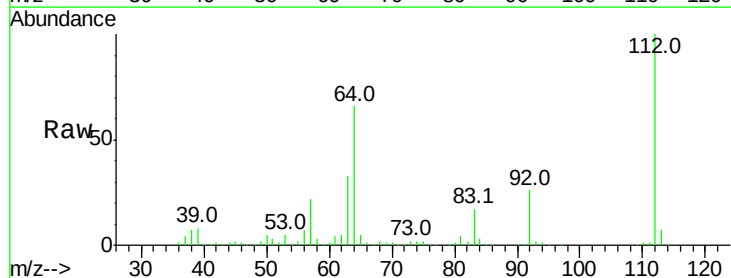
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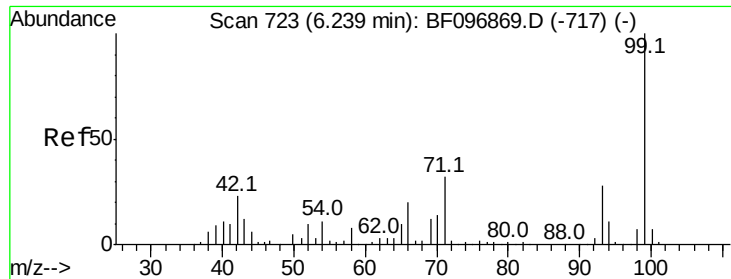


#5

2-Fluorophenol
Concen: 85.057 ng
RT: 5.17 min Scan# 541
Delta R.T. -0.03 min
Lab File: BF096925.D
Acq: 21 Jul 2017 00:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	46.0	69.0
63	33.3	23.4	35.0





#7

Phenol-d6

Concen: 84.872 ng

RT: 6.22 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Instrument :

BNA_F

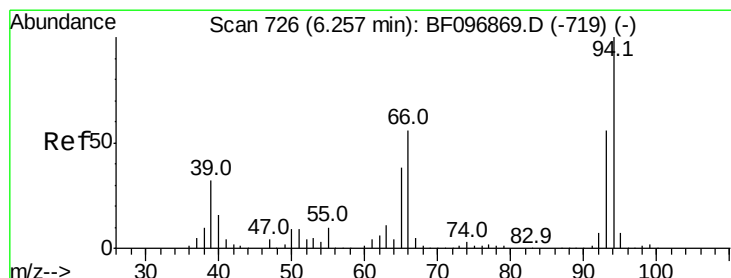
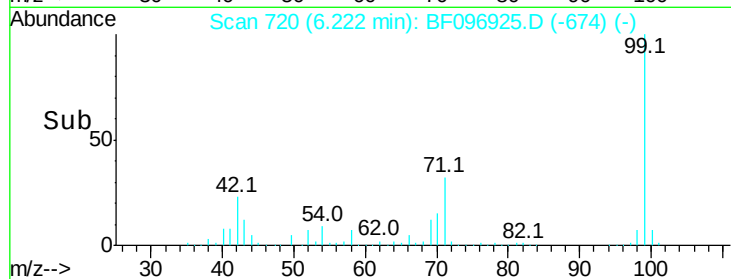
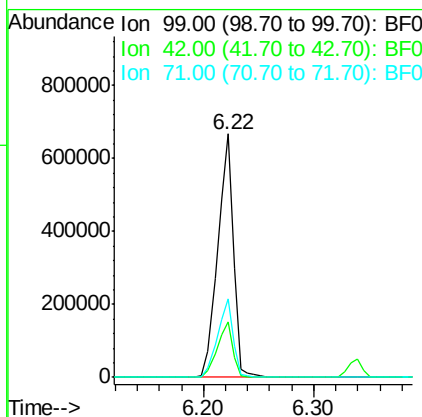
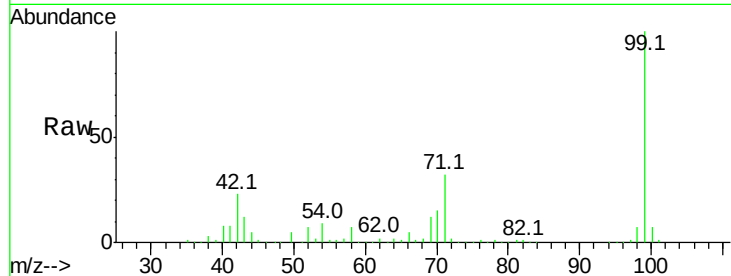
ClientSampleId :

OR-02-071917

Tot Ion:	99	Resp:	656652
Ion Ratio	Lower	Upper	
99	100		
42	23.0	13.5	20.3#
71	32.4	24.5	36.7

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#10

Phenol

Concen: 3.068 ng

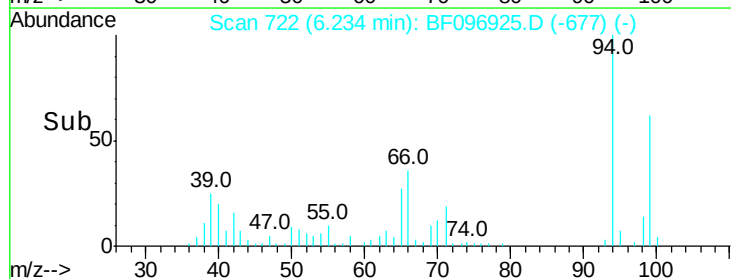
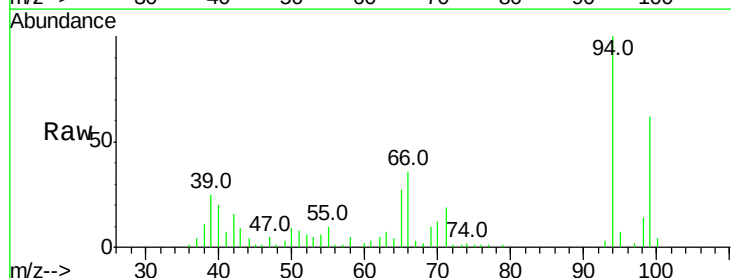
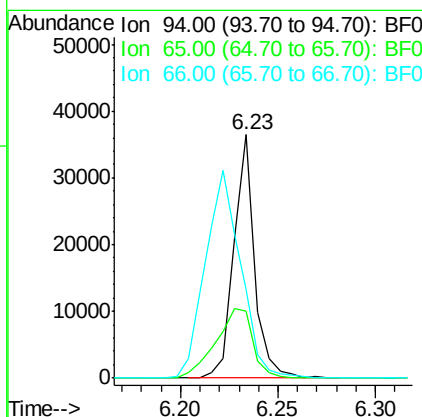
RT: 6.23 min Scan# 722

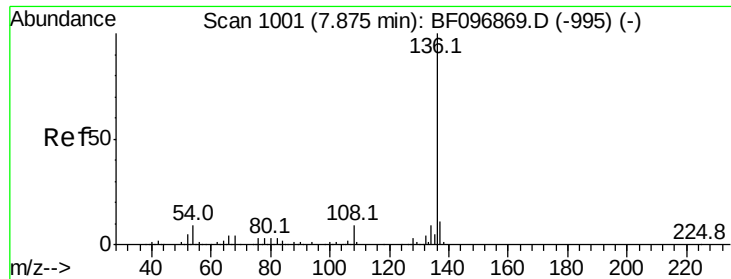
Delta R.T. -0.04 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Tgt Ion:	94	Resp:	26833
Ion Ratio	Lower	Upper	
94	100		
65	27.4	9.9	49.9
66	36.5	23.1	63.1





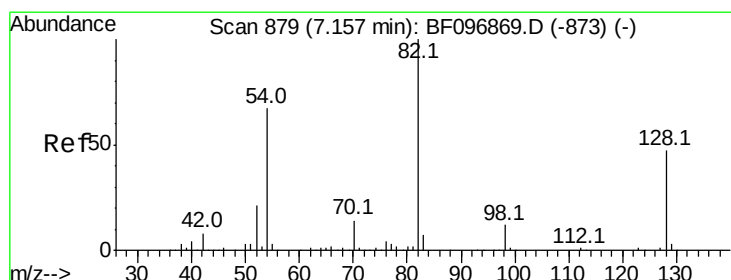
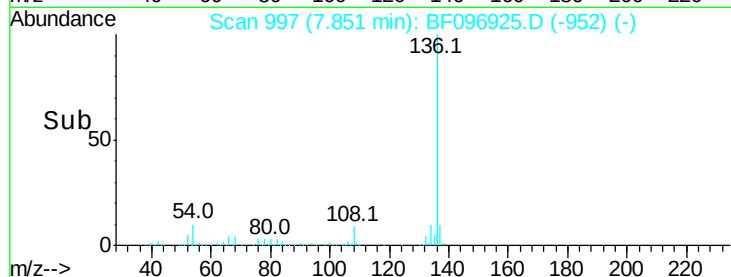
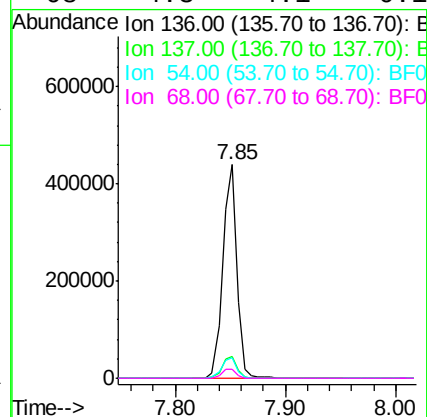
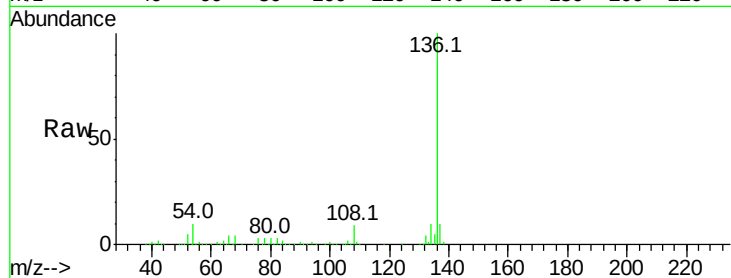
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.85 min Scan# 997
Delta R.T. -0.04 min
Lab File: BF096925.D
Acq: 21 Jul 2017 00:21

Instrument :
BNA_F
ClientSampleId :
OR-02-071917

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.4	8.5	12.7	
54	9.6	4.9	7.3#	
68	4.3	4.1	6.1	

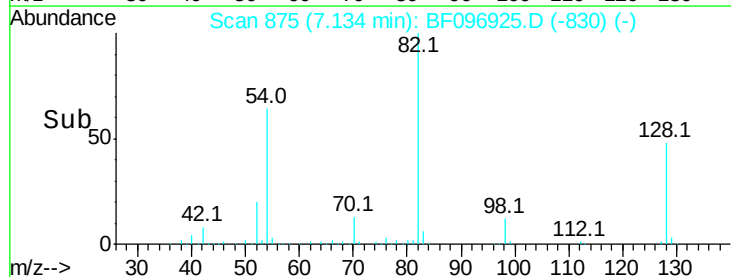
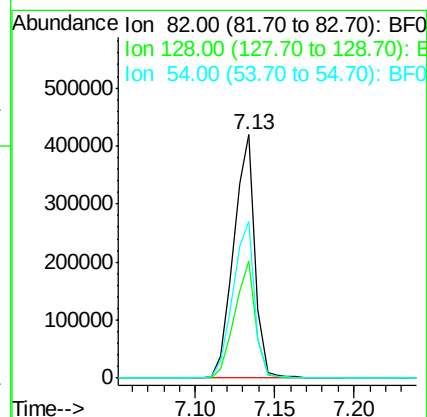
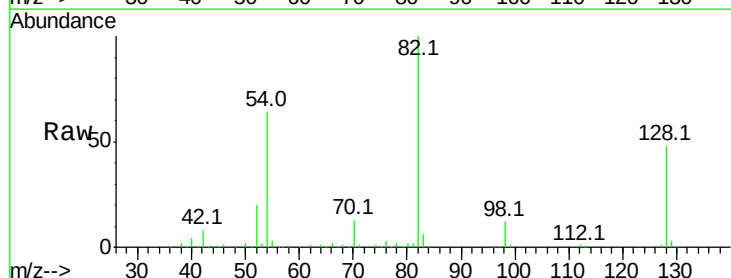
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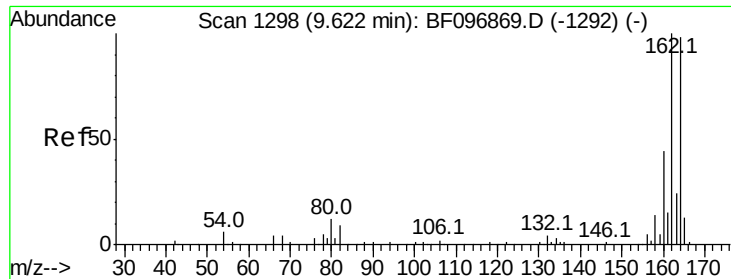
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#23
Nitrobenzene-d5
Concen: 61.746 ng
RT: 7.13 min Scan# 875
Delta R.T. -0.04 min
Lab File: BF096925.D
Acq: 21 Jul 2017 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.2	34.0	51.0	
54	64.5	42.2	63.2#	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.60 min Scan# 1294

Delta R.T. -0.04 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Instrument :

BNA_F

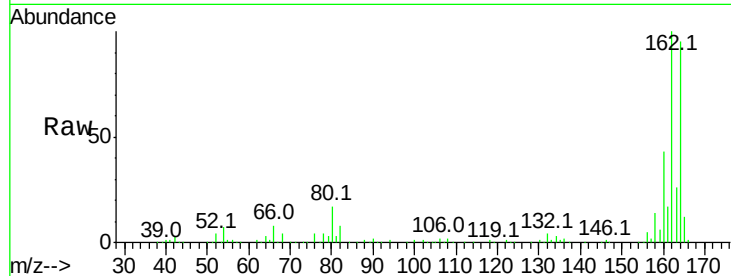
ClientSampled :

OR-02-071917

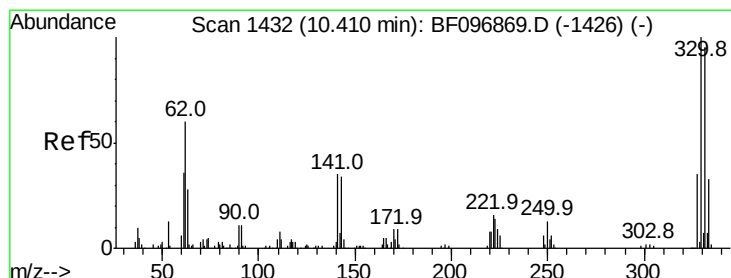
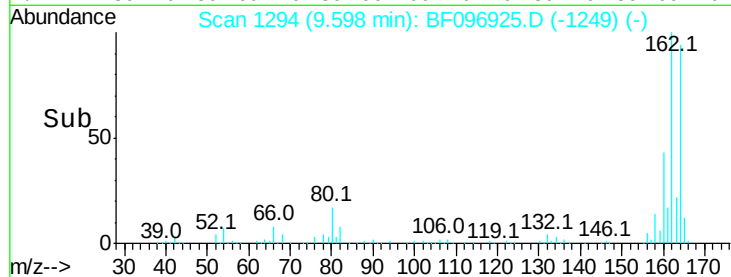
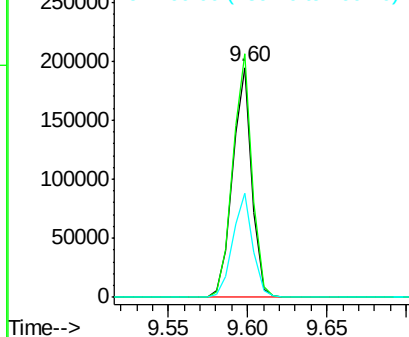
Tot Ion:	164	Resp:	162802
Ion Ratio	Lower	Upper	
164	100		
162	105.8	82.6	123.8
160	45.3	36.2	54.2

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 91.281 ng

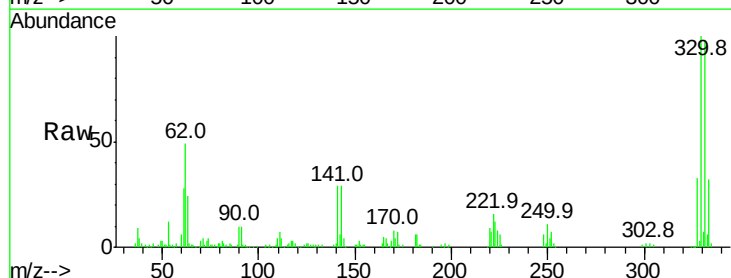
RT: 10.39 min Scan# 1428

Delta R.T. -0.04 min

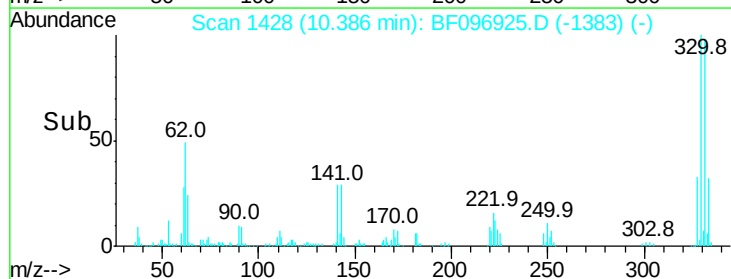
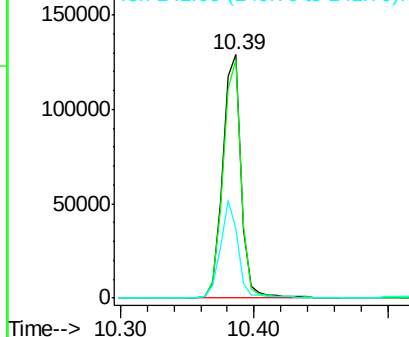
Lab File: BF096925.D

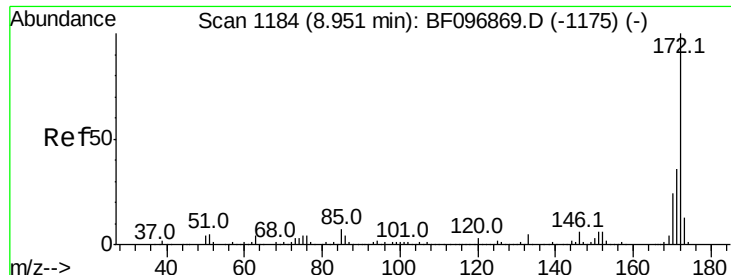
Acq: 21 Jul 2017 00:21

Tgt Ion:	330	Resp:	126849
Ion Ratio	Lower	Upper	
330	100		
332	96.2	76.6	115.0
141	38.7	31.4	47.2



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





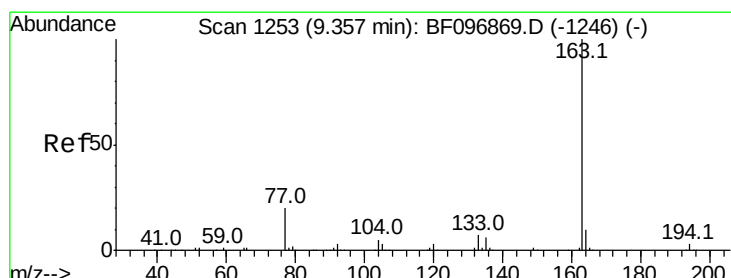
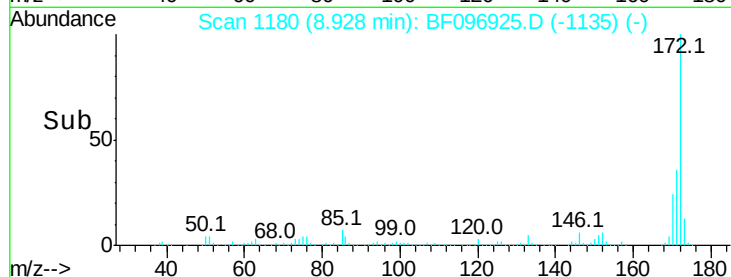
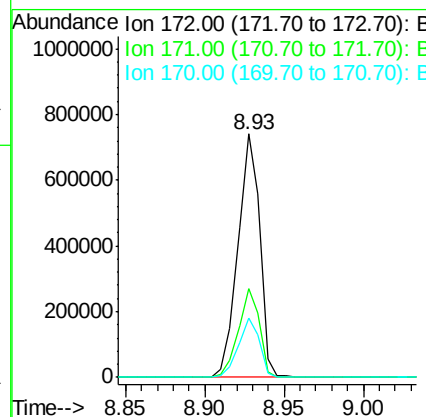
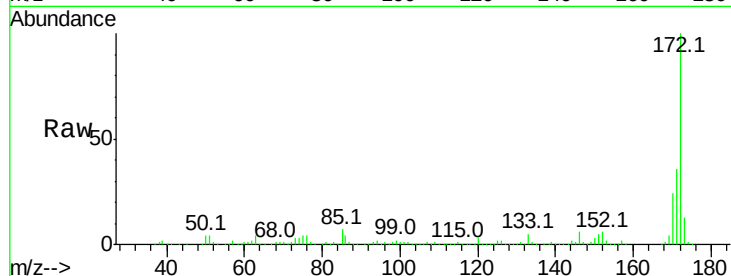
#44
 2-Fluorobiphenyl
 Concen: 68.670 ng
 RT: 8.93 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF096925.D
 Acq: 21 Jul 2017 00:21

Instrument :
 BNA_F
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 OR-02-071917

Tot Ion	Ratio	Resp	Lower	Upper
172	100	707607		
171	36.3		29.6	44.4
170	24.3		19.8	29.8

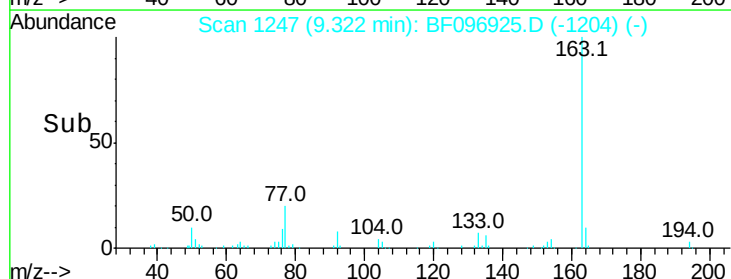
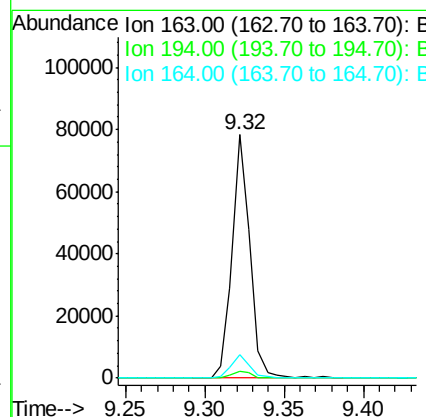
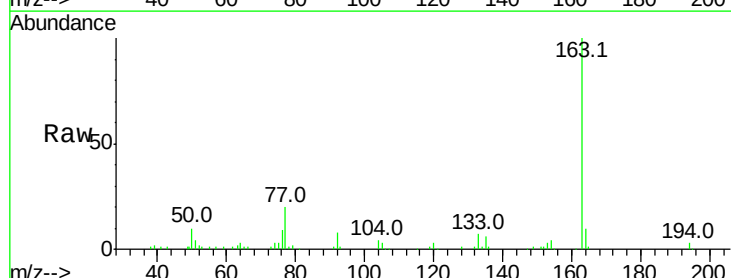
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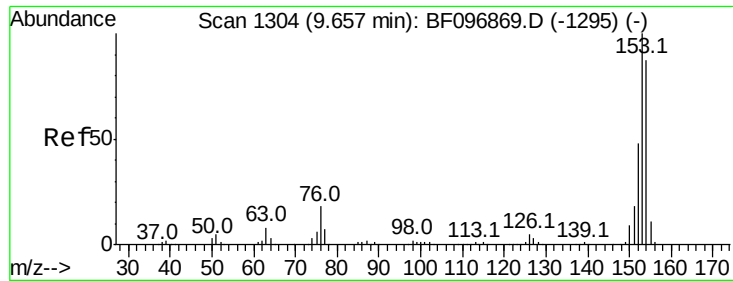
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#49
 Dimethylphthalate
 Concen: 4.969 ng
 RT: 9.32 min Scan# 1247
 Delta R.T. -0.05 min
 Lab File: BF096925.D
 Acq: 21 Jul 2017 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	60916		
194	2.8		2.6	4.0
164	9.5		8.4	12.6





#51

Acenaphthene

Concen: 2.796 ng

RT: 9.63 min Scan# 1299

Delta R.T. -0.04 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Instrument :

BNA_F

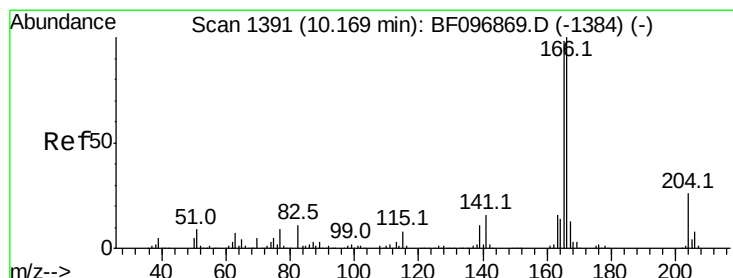
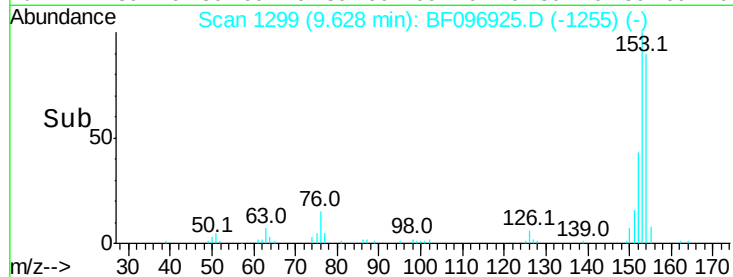
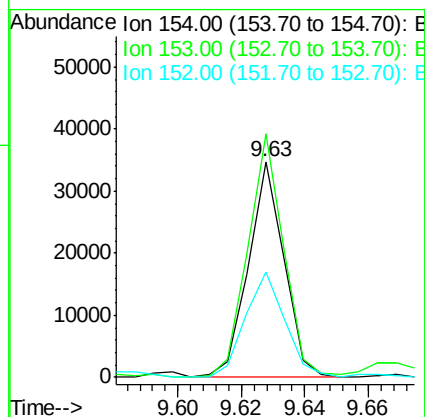
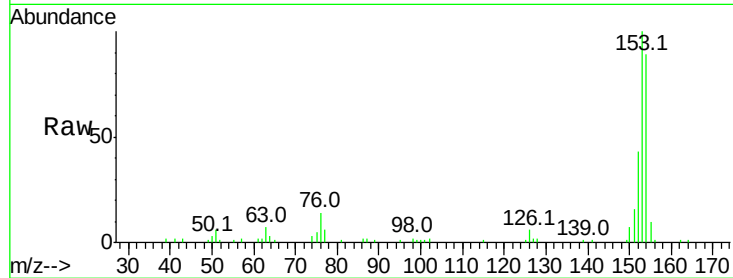
ClientSampleId :

OR-02-071917

Tot Ion:	154	Resp:	27054
Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.5	135.7
152	49.0	43.6	65.4

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#57

Fluorene

Concen: 4.344 ng

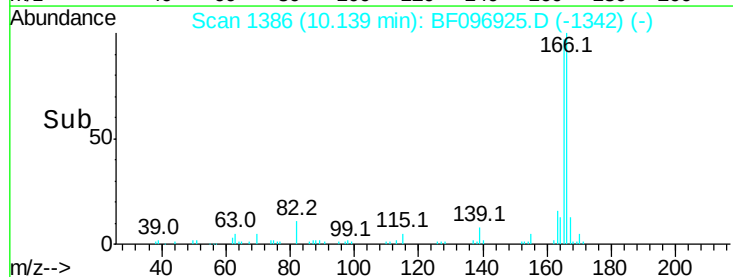
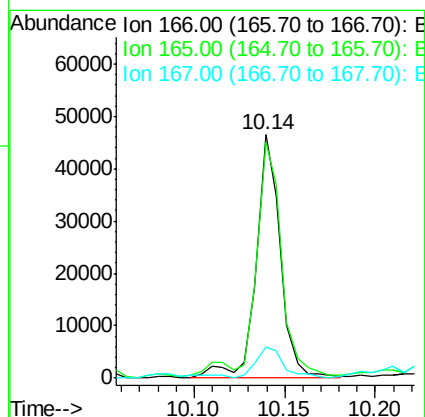
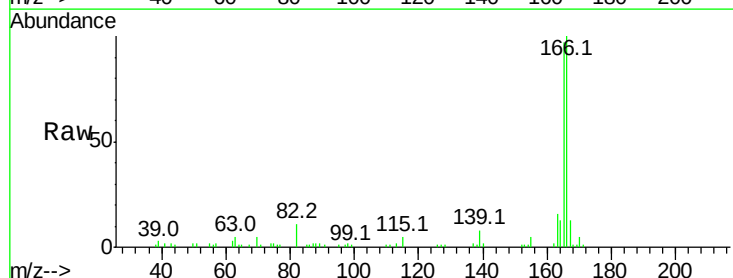
RT: 10.14 min Scan# 1386

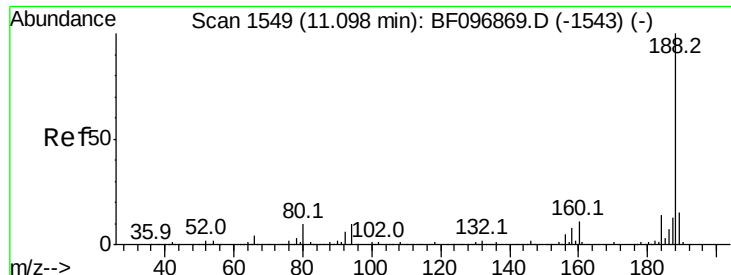
Delta R.T. -0.04 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Tgt Ion:	166	Resp:	43533
Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.8	118.2
167	12.9	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.07 min Scan# 1545

Delta R.T. -0.03 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Instrument :

BNA_F

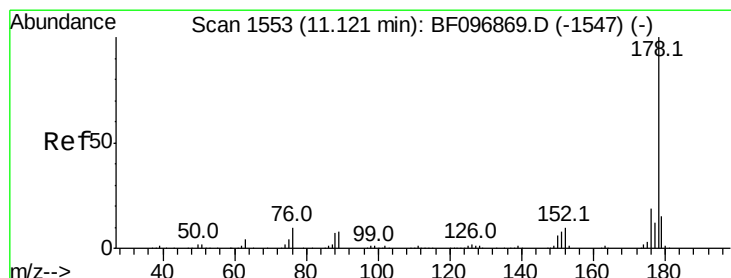
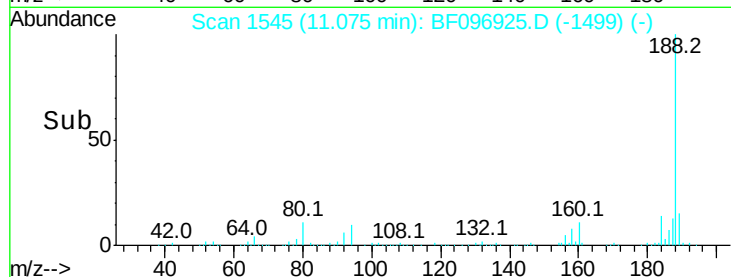
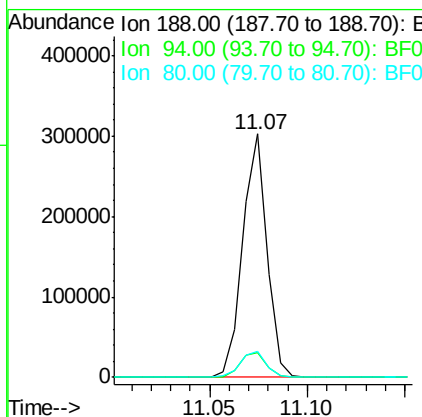
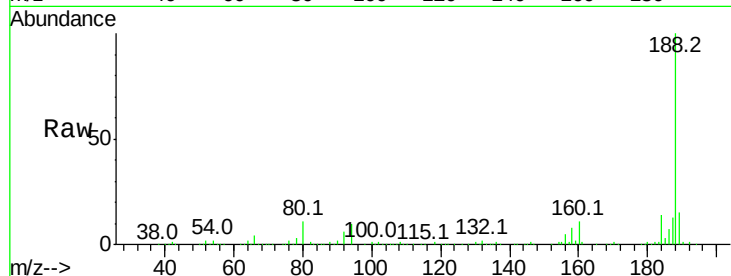
ClientSampleId :

OR-02-071917

Tot Ion:	188	Resp:	261044
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	10.6	10.2	15.2

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#70

Phenanthrene

Concen: 28.464 ng

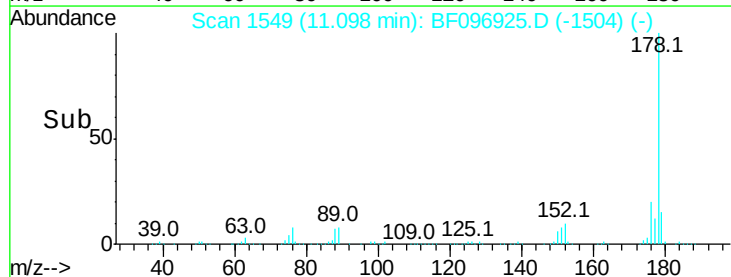
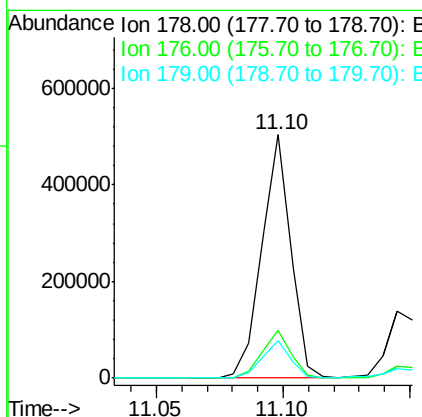
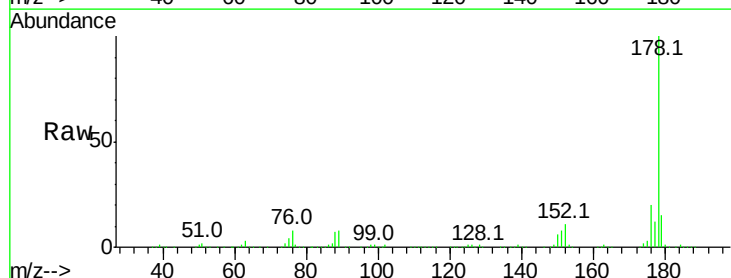
RT: 11.10 min Scan# 1549

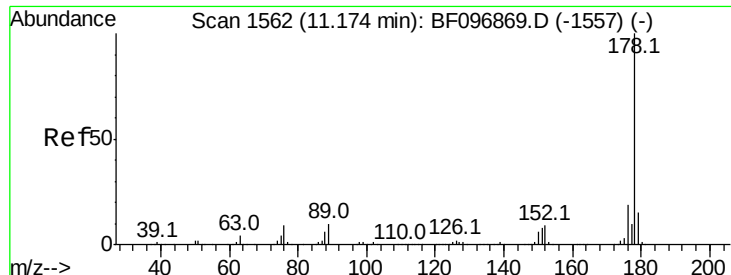
Delta R.T. -0.04 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Tgt Ion:	178	Resp:	404015
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.2	24.4
179	15.2	12.6	19.0





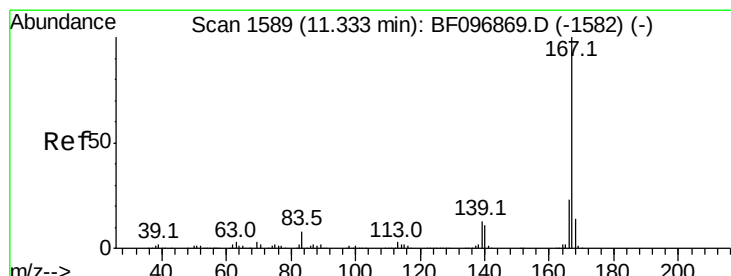
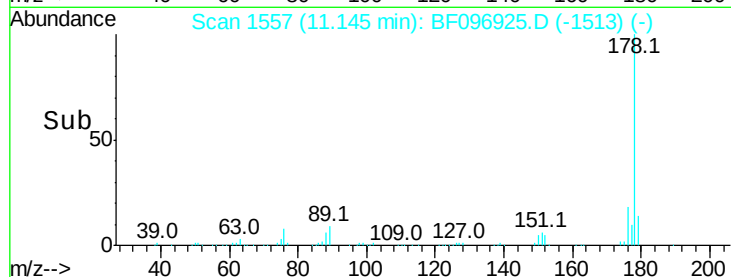
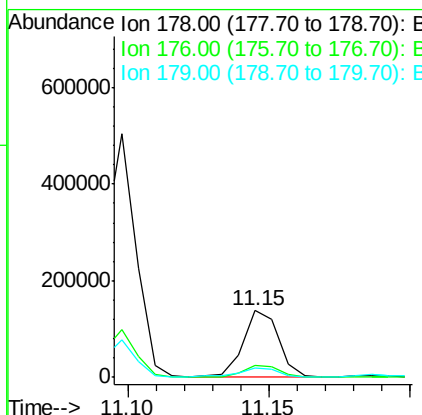
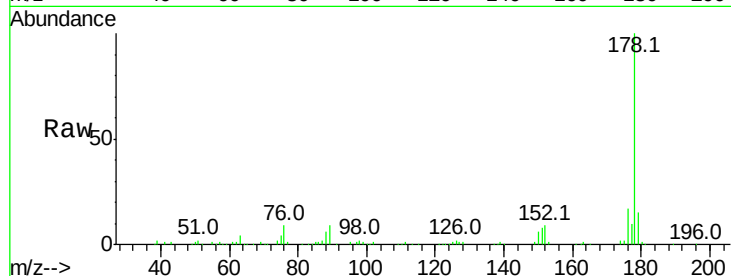
#71
 Anthracene
 Concen: 8.355 ng
 RT: 11.15 min Scan# 1557
 Delta R.T. -0.04 min
 Lab File: BF096925.D
 Acq: 21 Jul 2017 00:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-071917

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.8
179	14.7	12.7	19.1

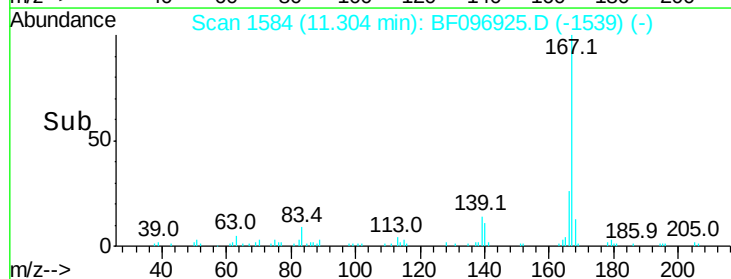
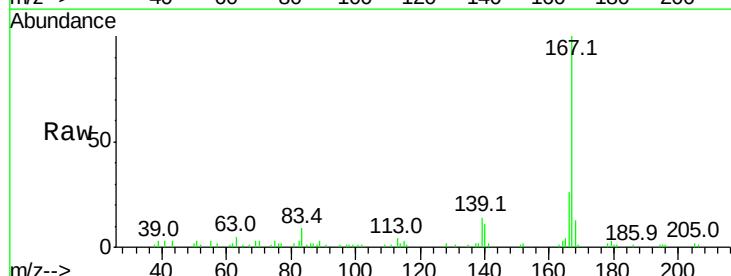
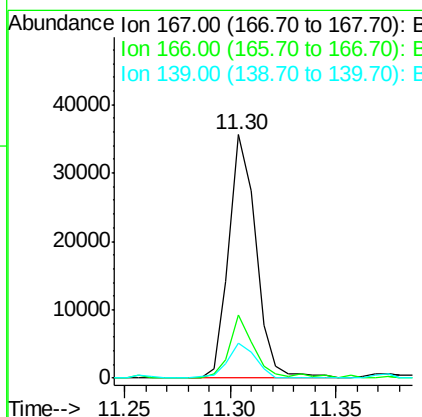
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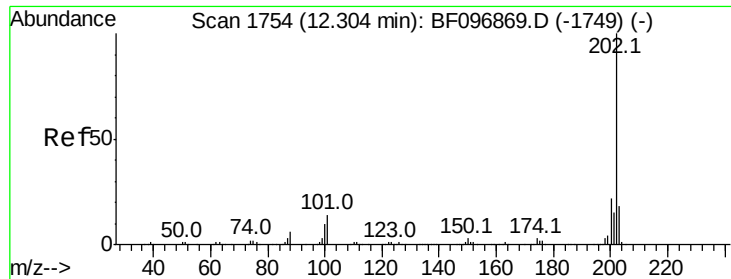
Sohil
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#72
 Carbazole
 Concen: 2.287 ng
 RT: 11.30 min Scan# 1584
 Delta R.T. -0.04 min
 Lab File: BF096925.D
 Acq: 21 Jul 2017 00:21

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.7	18.1	27.1
139	14.4	11.7	17.5





#74

Fluoranthene

Concen: 40.716 ng

RT: 12.28 min Scan# 1750

Delta R.T. -0.04 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Instrument :

BNA_F

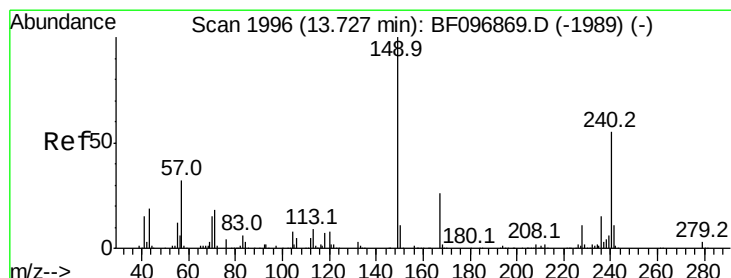
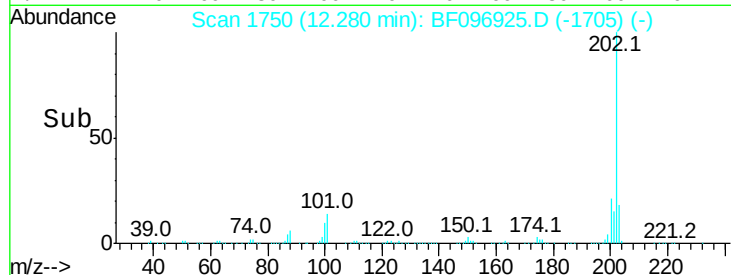
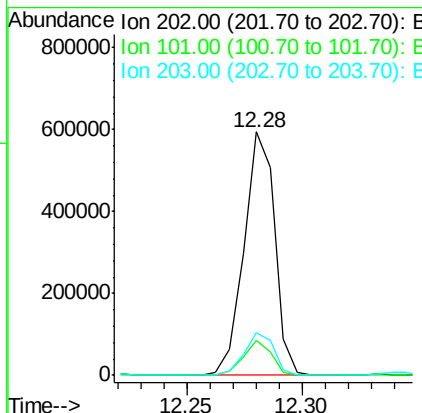
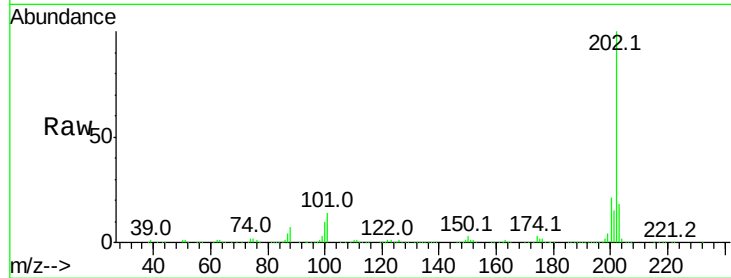
ClientSampleId :

OR-02-071917

Tot Ion	Ratio	Resp	Lower	Upper
202	100	553173		
101	14.3	0.0	33.2	
203	17.6	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

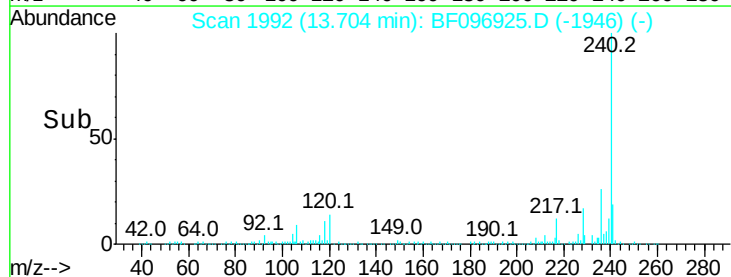
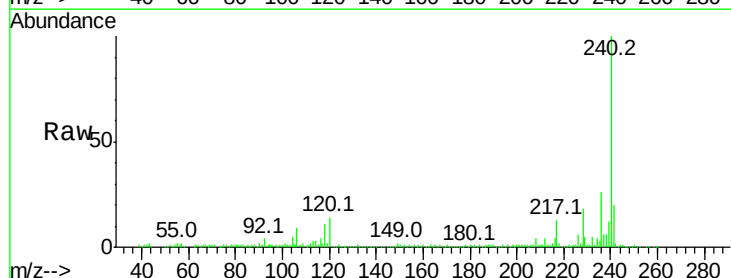
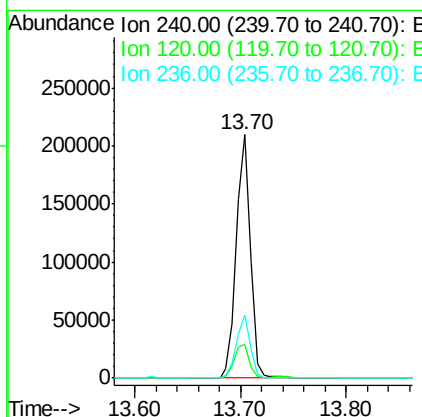
RT: 13.70 min Scan# 1992

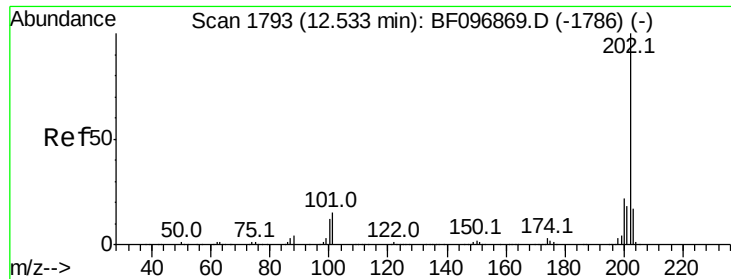
Delta R.T. -0.03 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	192084		
120	13.7	5.8	8.8#	
236	25.9	20.5	30.7	





#77

Pvrene

Concen: 27.372 ng

RT: 12.51 min Scan# 1789

Delta R.T. -0.03 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Instrument :

BNA_F

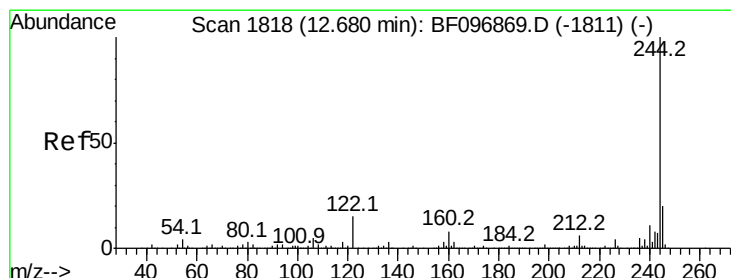
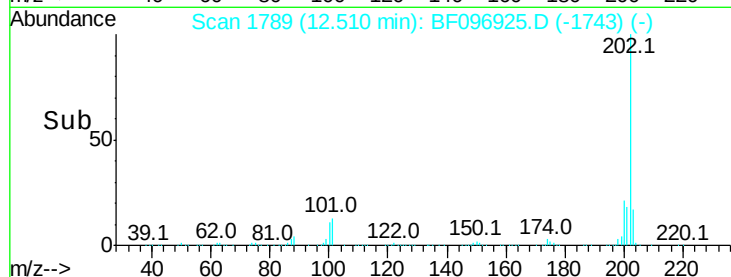
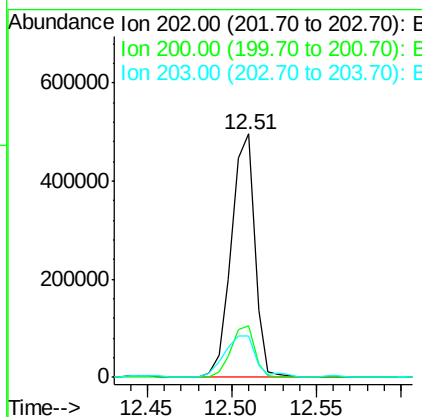
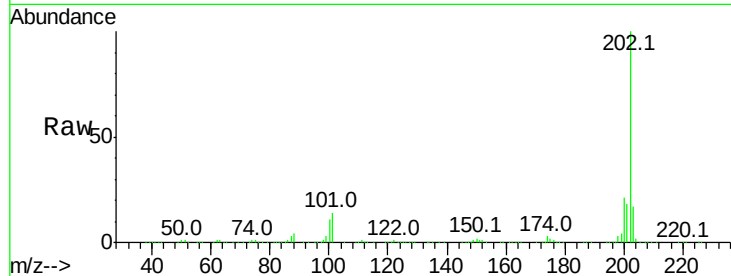
ClientSampleId :

OR-02-071917

Tot Ion:	202	Resp:	477160
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.6	26.4
203	17.1	14.4	21.6

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#78

Terphenyl-d14

Concen: 43.588 ng

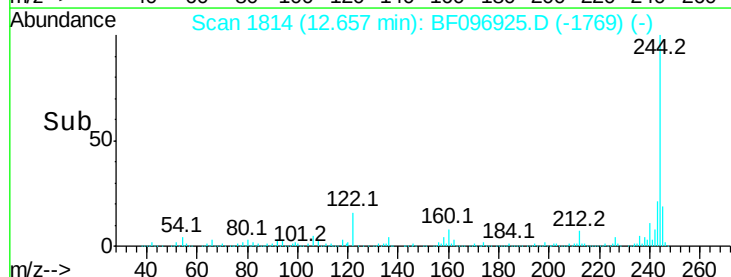
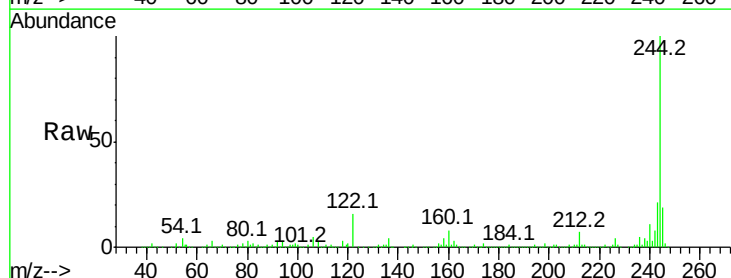
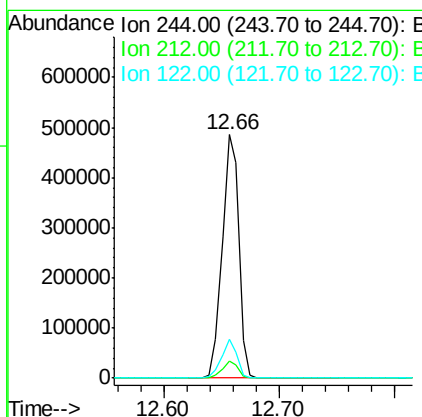
RT: 12.66 min Scan# 1814

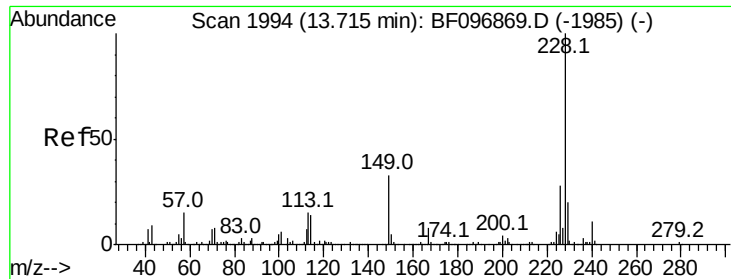
Delta R.T. -0.04 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Tgt Ion:	244	Resp:	482776
Ion Ratio	Lower	Upper	
244	100		
212	7.0	6.0	9.0
122	16.0	10.3	15.5#





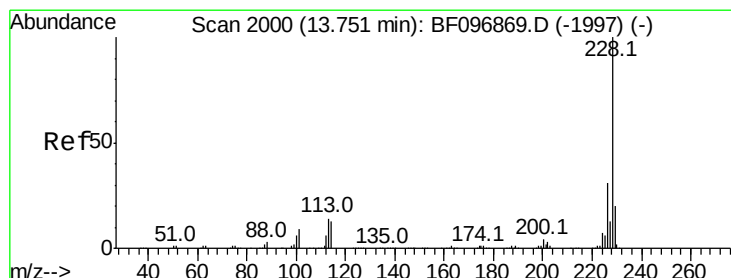
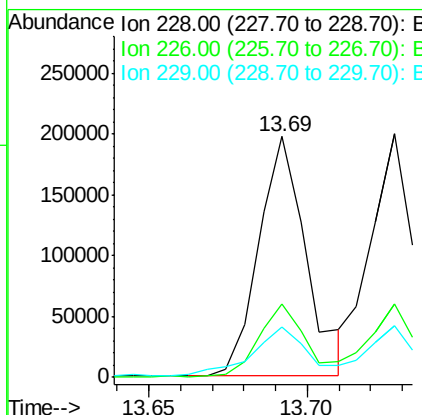
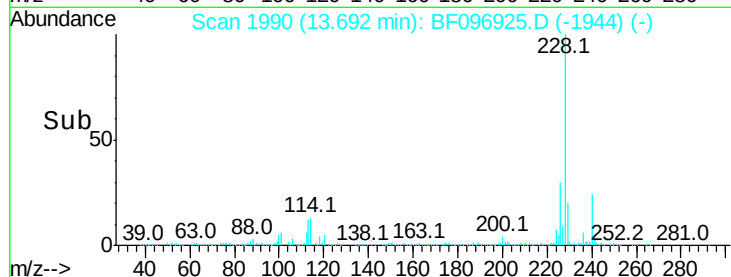
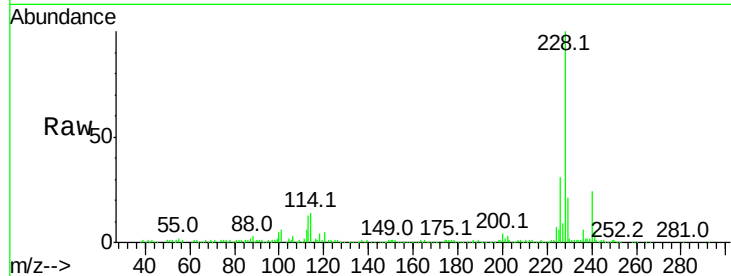
#80
Benzo(a)anthracene
Concen: 17.078 ng
RT: 13.69 min Scan# 1990
Delta R.T. -0.03 min
Lab File: BF096925.D
Acq: 21 Jul 2017 00:21

Instrument :
BNA_F
ClientSampleId :
OR-02-071917

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	33.8
229	20.7	16.3	24.5

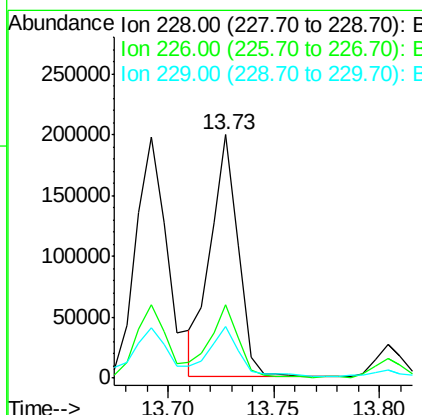
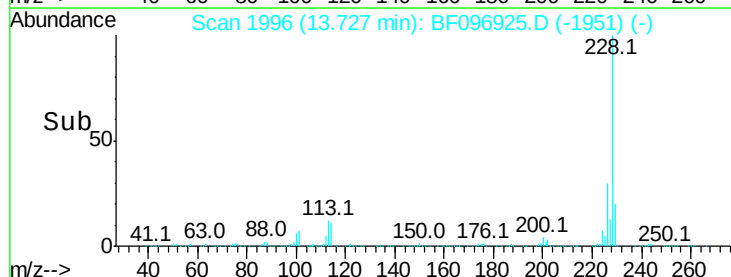
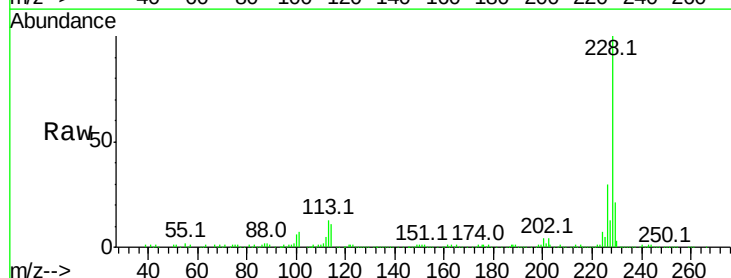
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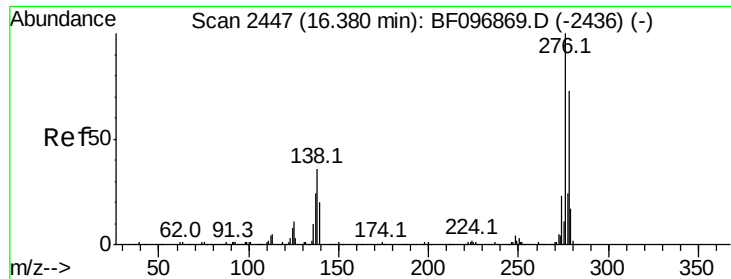
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#82
Chrysene
Concen: 15.398 ng
RT: 13.73 min Scan# 1996
Delta R.T. -0.04 min
Lab File: BF096925.D
Acq: 21 Jul 2017 00:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	21.0	15.8	23.6





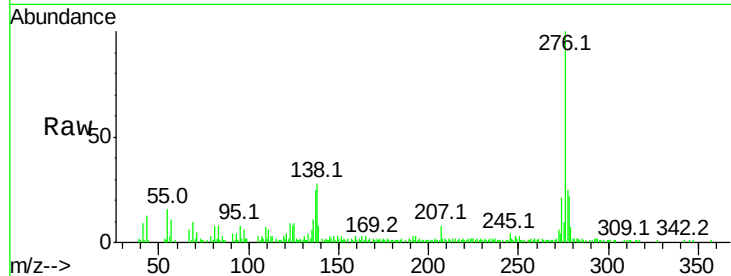
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.822 ng
 RT: 16.34 min Scan# 2441
 Delta R.T. -0.05 min
 Lab File: BF096925.D
 Acq: 21 Jul 2017 00:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-071917

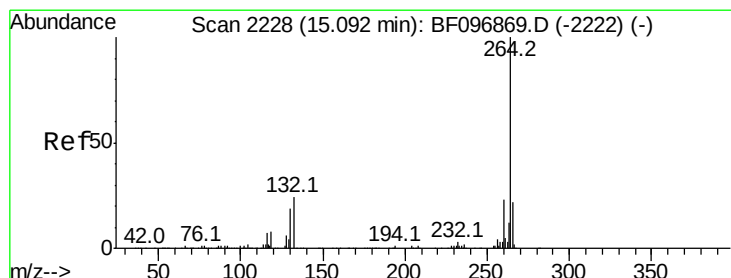
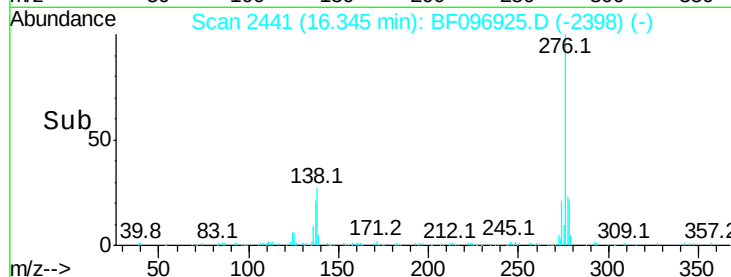
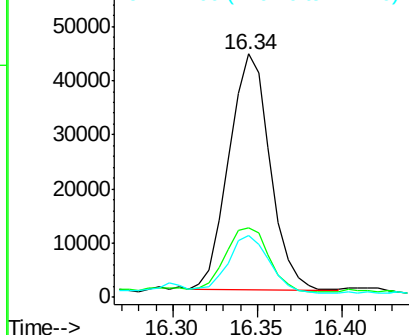
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.3	27.8	41.6
277	24.8	20.2	30.4

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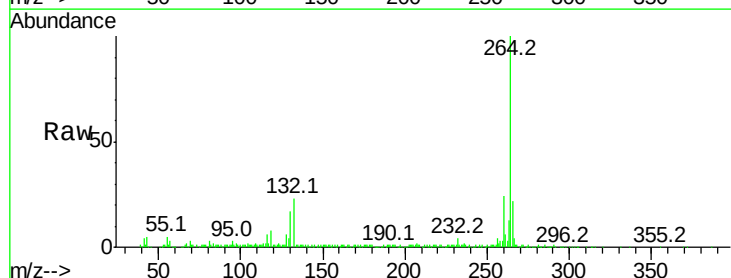


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

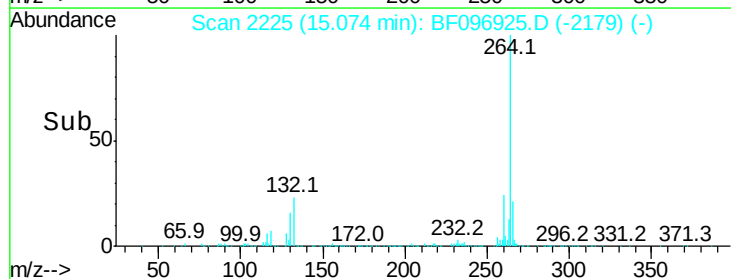
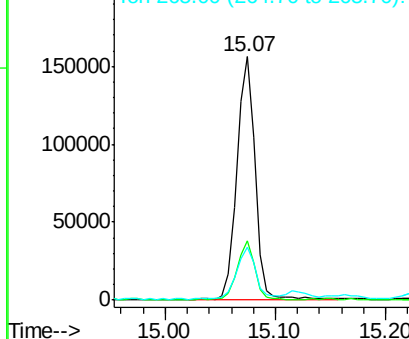


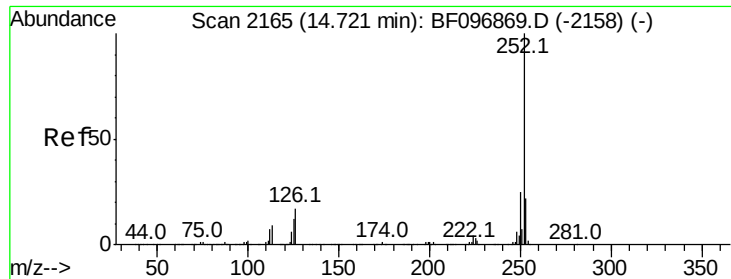
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.07 min Scan# 2225
 Delta R.T. -0.03 min
 Lab File: BF096925.D
 Acq: 21 Jul 2017 00:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.5	17.2	25.8



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: 21.347 ng m

RT: 14.70 min Scan# 2161

Delta R.T. -0.03 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

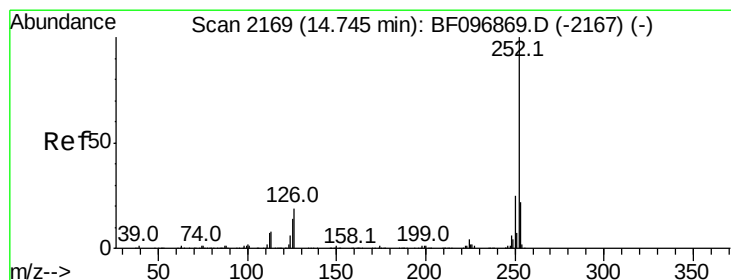
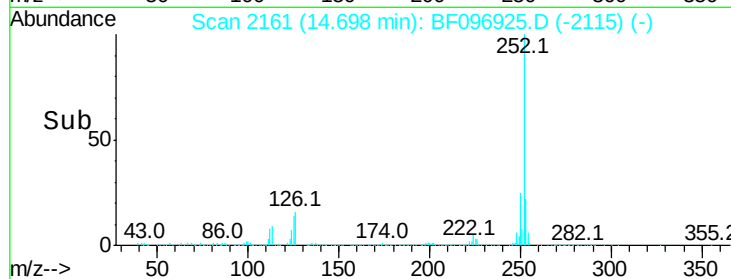
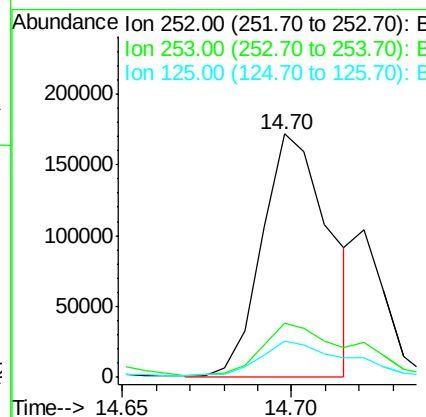
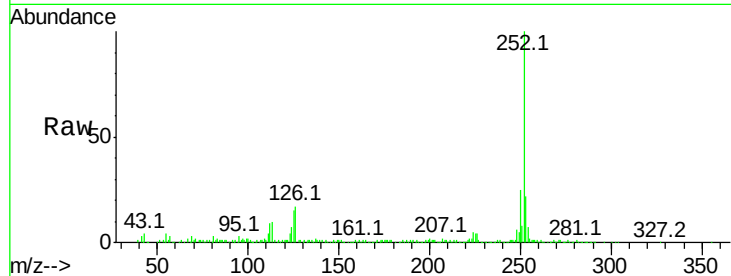
Instrument :
BNA_F

ClientSampleId :
OR-02-071917

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	15.0	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 6.429 ng m

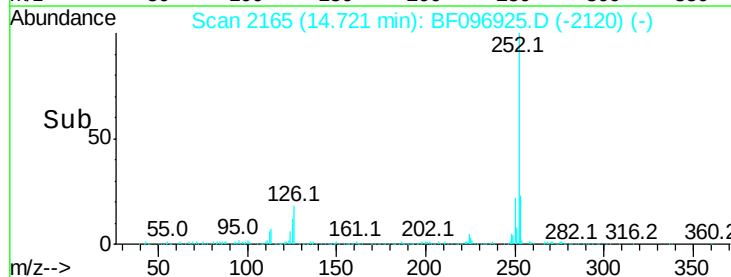
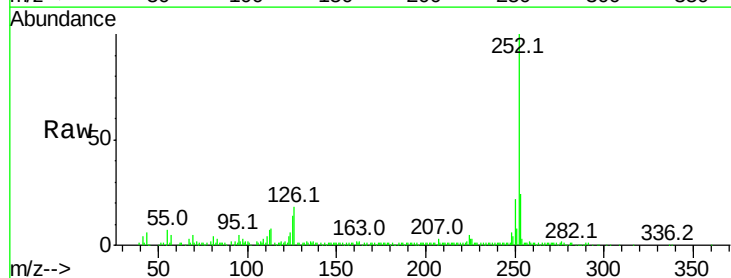
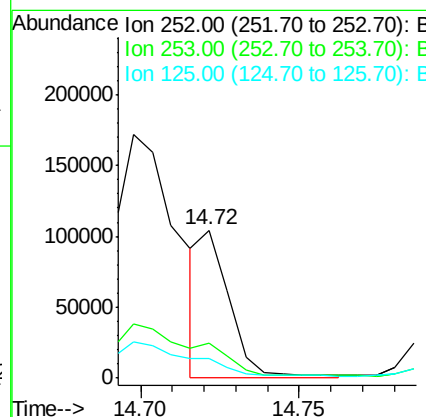
RT: 14.72 min Scan# 2165

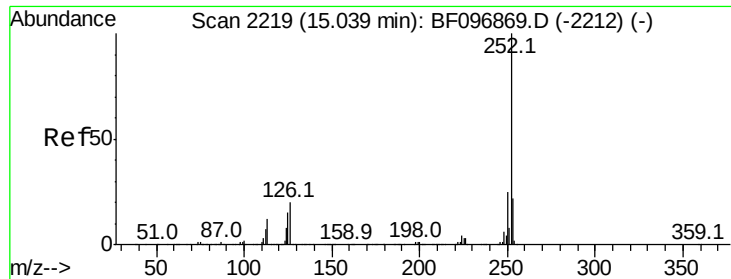
Delta R.T. -0.04 min

Lab File: BF096925.D

Acq: 21 Jul 2017 00:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	13.6	13.1	19.7





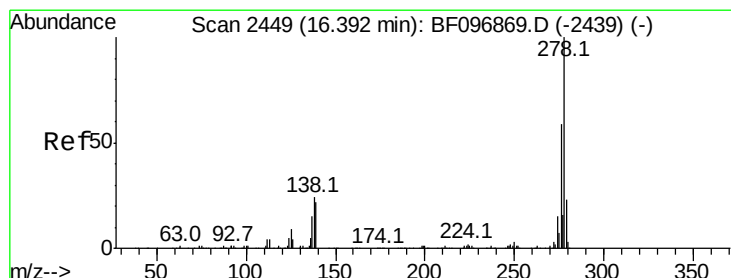
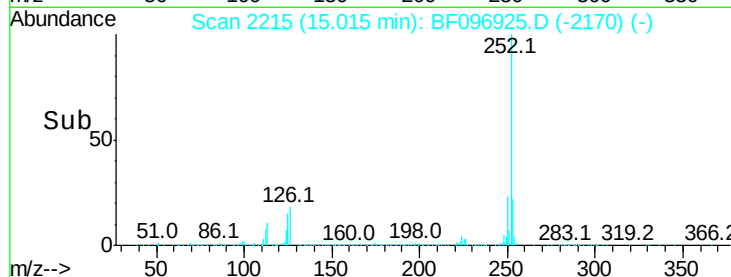
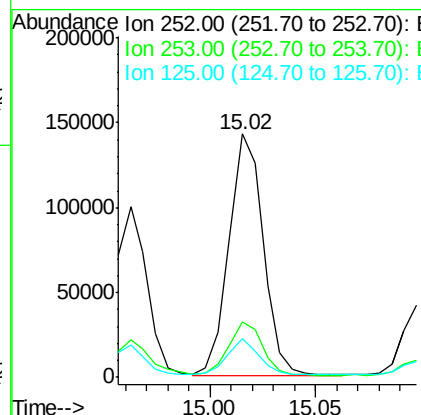
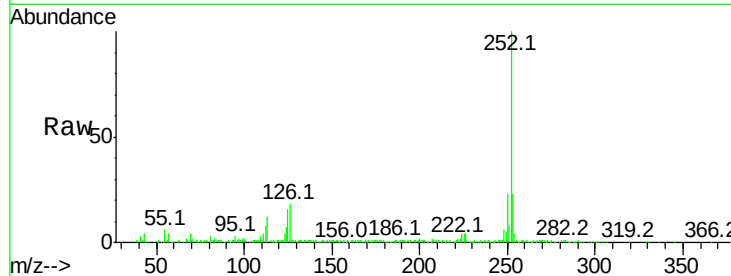
#89
Benzo(a)pyrene
Concen: 15.848 ng
RT: 15.02 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF096925.D
Acq: 21 Jul 2017 00:21

Instrument :
BNA_F
ClientSampleId :
OR-02-071917

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	16.0	11.0	16.4

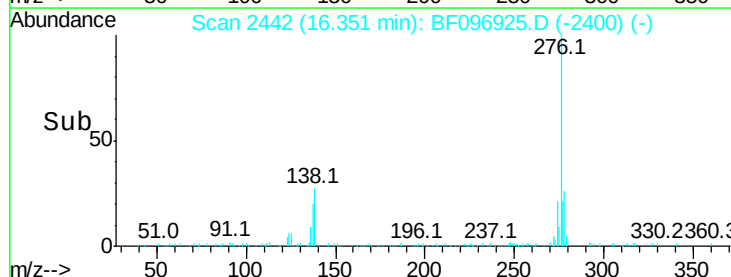
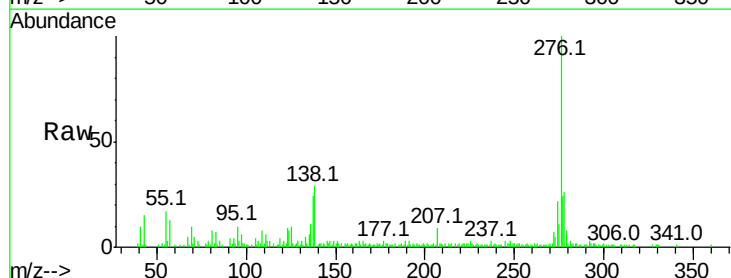
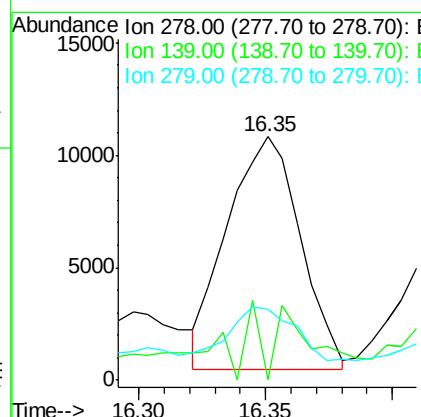
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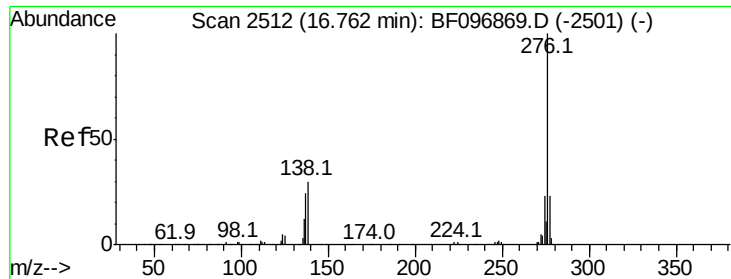
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#90
Dibenzo(a,h)anthracene
Concen: 2.218 ng
RT: 16.35 min Scan# 2442
Delta R.T. -0.05 min
Lab File: BF096925.D
Acq: 21 Jul 2017 00:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	29.2	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 6.988 ng
 RT: 16.73 min Scan# 2506
 Delta R.T. -0.05 min
 Lab File: BF096925.D
 Acq: 21 Jul 2017 00:21

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-071917

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.6	28.0
138	27.0	25.4	38.0

Manual Integrations
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