

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095920.D
 Acq On : 14 Jun 2017 7:13
 Operator : SJ/MA
 Sample : I3642-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R7-BASE

Manual Integrations
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Quant Time: Jun 14 16:16:15 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	60855	20.00	ng	-0.04
21) Naphthalene-d8	9.40	136	191252	20.00	ng	-0.03
38) Acenaphthene-d10	12.24	164	73657	20.00	ng	-0.01
63) Phenanthrene-d10	14.64	188	111334	20.00	ng	0.00
75) Chrysene-d12	18.35	240	103522	20.00	ng	0.00
86) Perylene-d12	20.01	264	81007	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	422565	110.65	ng	-0.04
7) Phenol-d6	6.92	99	482644	105.56	ng	-0.04
23) Nitrobenzene-d5	8.28	82	291518	94.66	ng	-0.04
41) 2,4,6-Tribromophenol	13.54	330	61887	94.96	ng	0.00
44) 2-Fluorobiphenyl	11.19	172	394185	74.47	ng	-0.02
78) Terphenyl-d14	17.00	244	300700	72.09	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.94	94	155936	32.88	ng	91
17) 2-Methylphenol	7.89	107	116608	34.22	ng	98
20) 3+4-Methylphenols	8.16	107	227717	52.64	ng	# 63
31) Naphthalene	9.44	128	112077	11.68	ng	# 89
37) 2-Methylnaphthalene	10.58	142	108321	16.70	ng	# 91
57) Fluorene	13.13	166	26196m	4.57	ng	
70) Phenanthrene	14.68	178	66889	10.41	ng	# 91
71) Anthracene	14.77	178	20868	3.11	ng	# 54
74) Fluoranthene	16.46	202	59730	9.39	ng	93
77) Pyrene	16.76	202	78623	10.18	ng	# 95
80) Benzo(a)anthracene	18.34	228	24393	4.05	ng	# 88
82) Chrysene	18.38	228	27028	4.49	ng	# 83
85) Indeno(1,2,3-cd)pyrene	21.20	276	12473	2.42	ng	# 89
87) Benzo(b)fluoranthene	19.61	252	24890m	4.91	ng	
89) Benzo(a)pyrene	19.96	252	18348m	3.94	ng	
91) Benzo(g,h,i)perylene	21.53	276	13493	3.35	ng	98

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

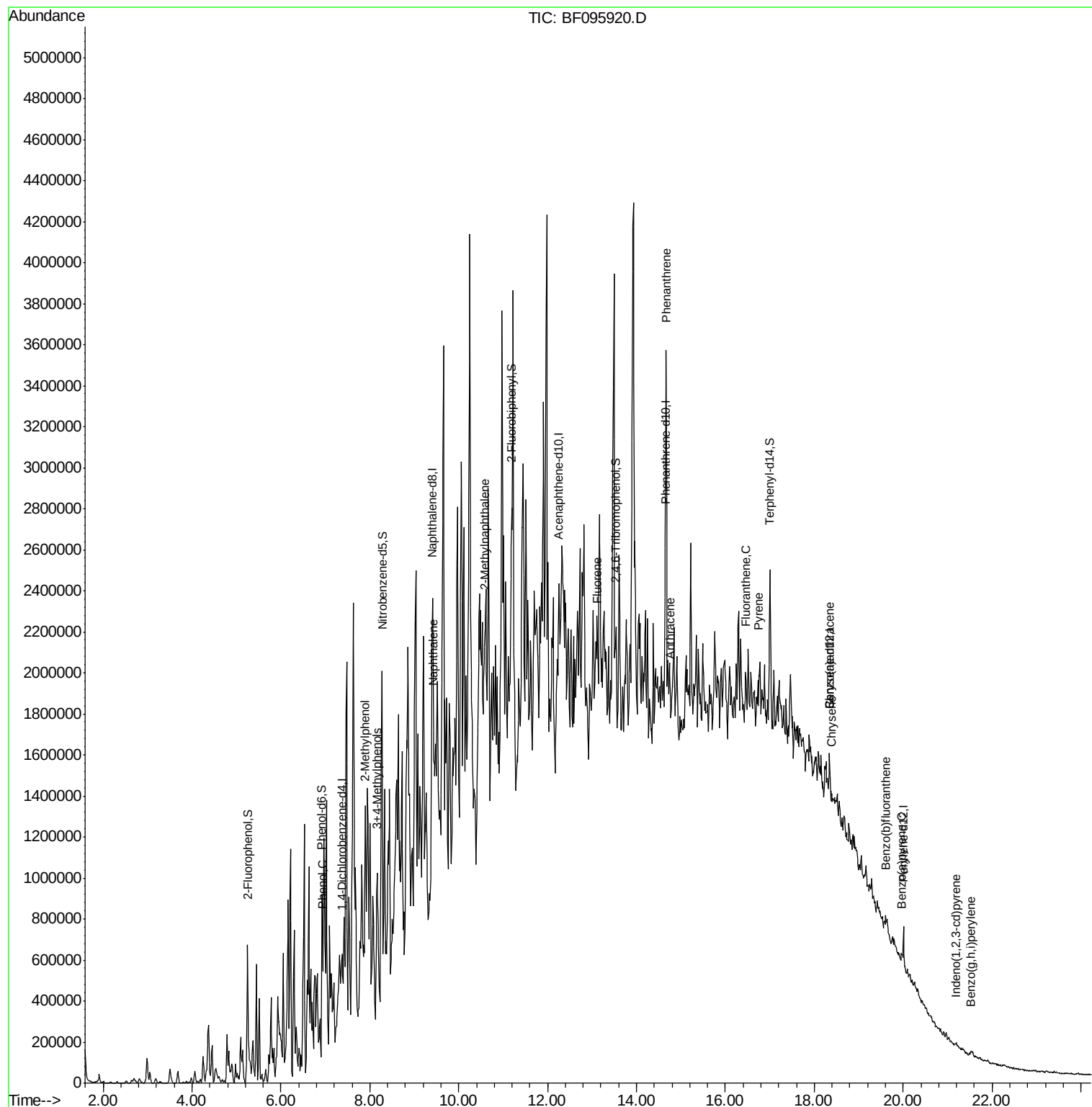
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
Data File : BF095920.D
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ALS Vial : 25 Sample Multiplier: 1

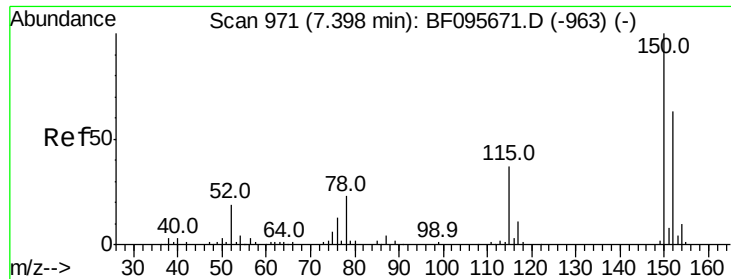
Instrument :
BNA_F
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E2-R7-BASE

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#1

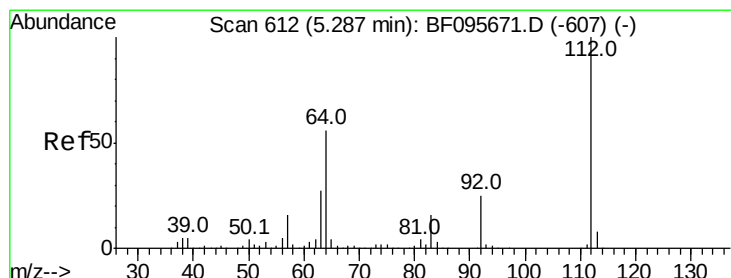
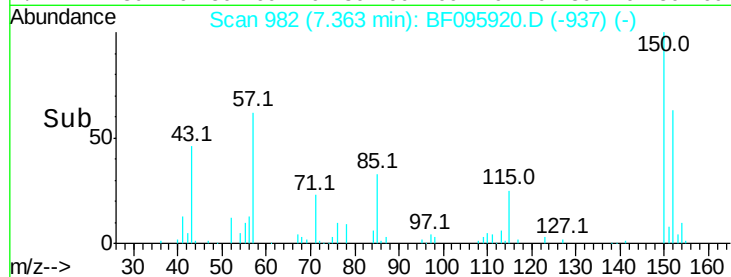
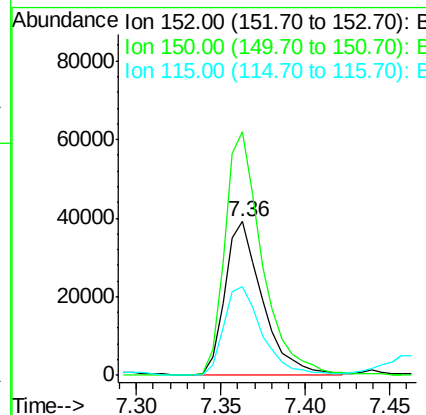
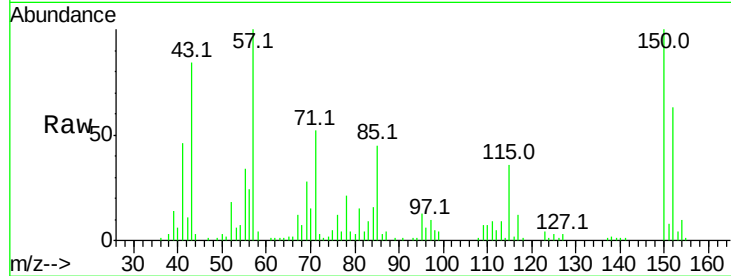
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.36 min Scan# 982
Delta R.T. -0.04 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Instrument :
BNA_F
ClientSampleId :
E2-R7-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	57.5	52.2	78.2

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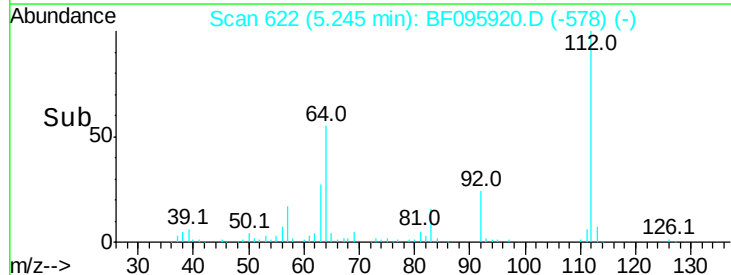
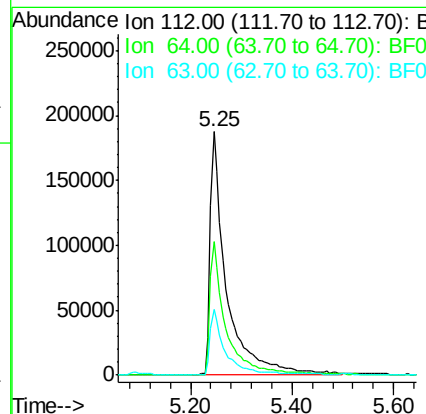
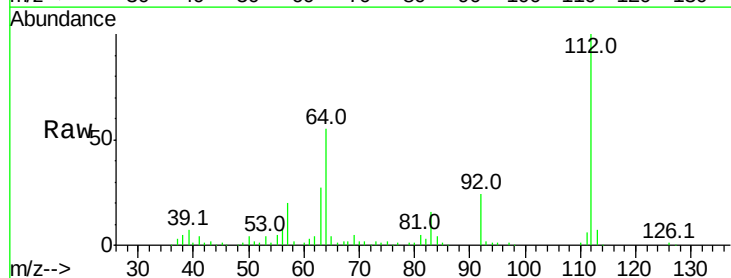
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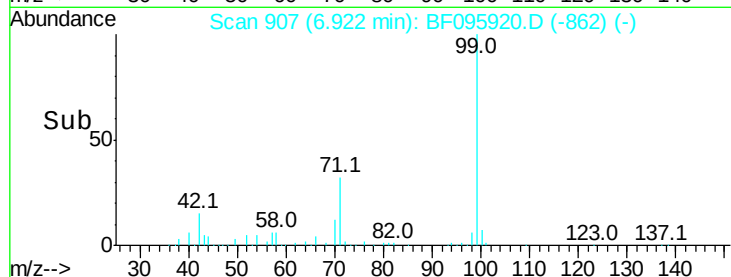
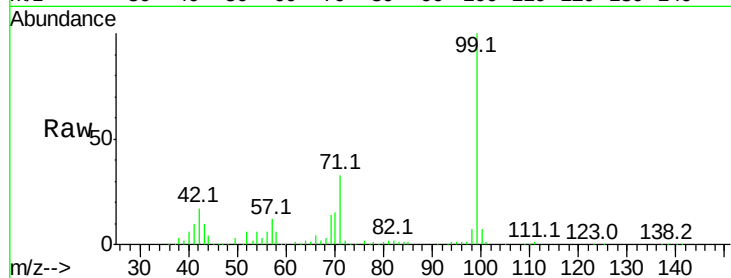
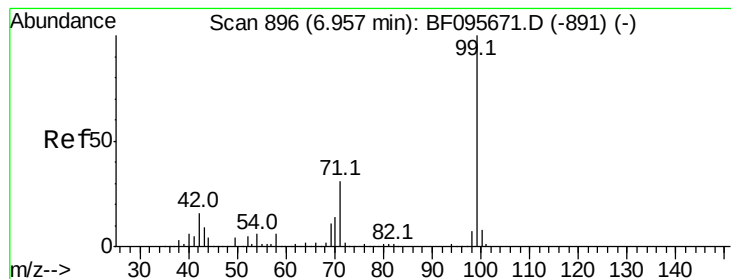


#5

2-Fluorophenol
Concen: 110.65 ng
RT: 5.25 min Scan# 622
Delta R.T. -0.04 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.0	69.0
63	26.9	23.4	35.0





#7

Phenol-d6

Concen: 105.56 ng

RT: 6.92 min Scan# 907

Delta R.T. -0.04 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Tot Ion:	99	Resp:	482644
Ion Ratio	Lower	Upper	
99	100		
42	17.2	13.5	20.3
71	33.1	24.5	36.7

Instrument :

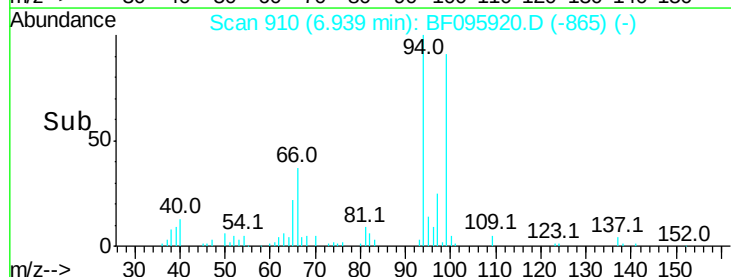
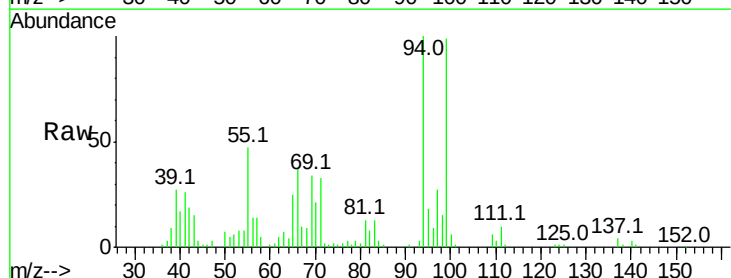
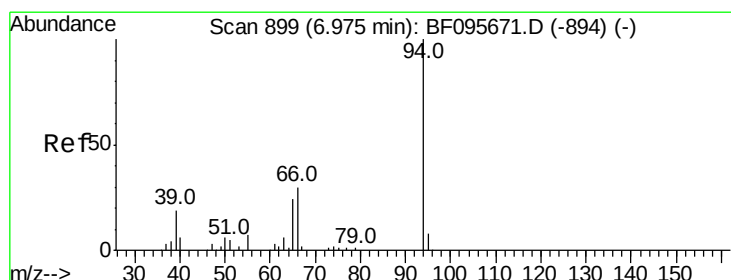
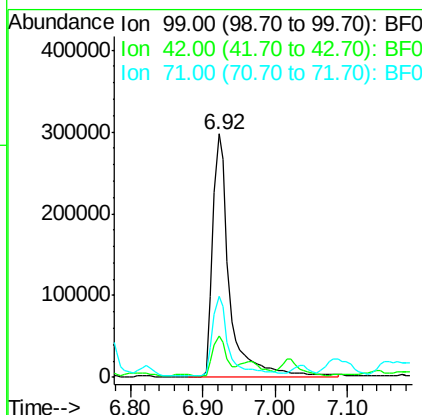
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 32.88 ng

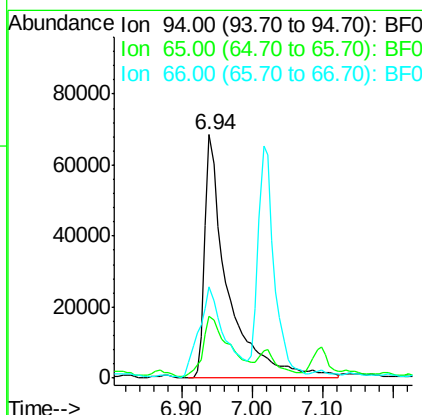
RT: 6.94 min Scan# 910

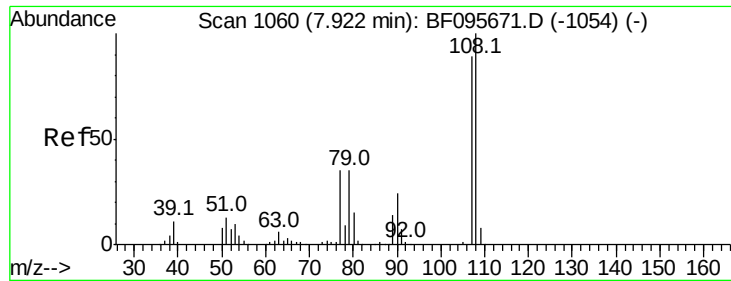
Delta R.T. -0.04 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Tgt Ion:	94	Resp:	155936
Ion Ratio	Lower	Upper	
94	100		
65	25.4	9.9	49.9
66	37.3	23.1	63.1





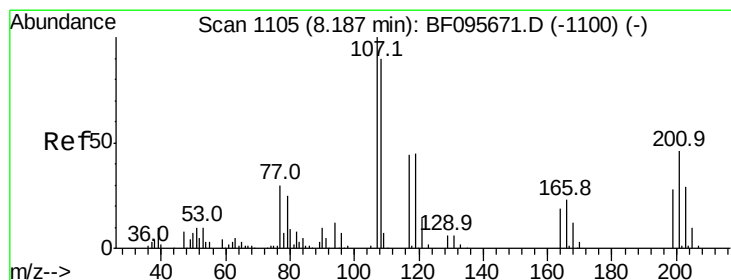
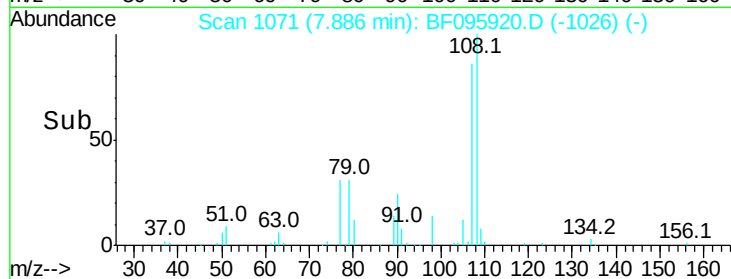
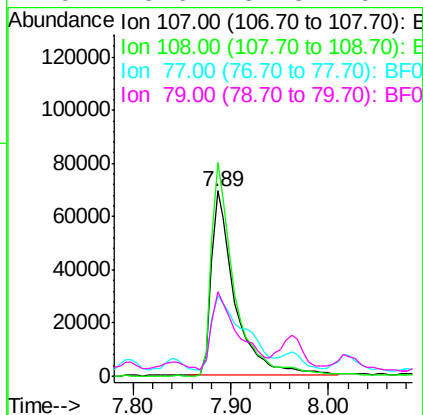
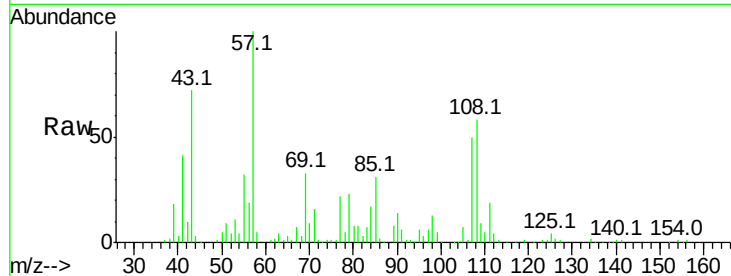
#17
2-Methylphenol
Concen: 34.22 ng
RT: 7.89 min Scan# 1071
Delta R.T. -0.04 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Instrument :
BNA_F
ClientSampleId :
E2-R7-BASE

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	115.2	93.4	140.0	
77	43.8	35.8	53.6	
79	45.6	34.8	52.2	

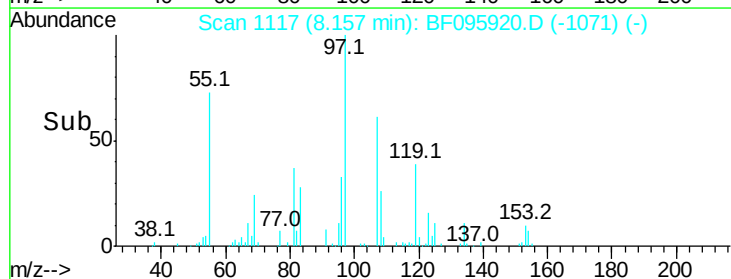
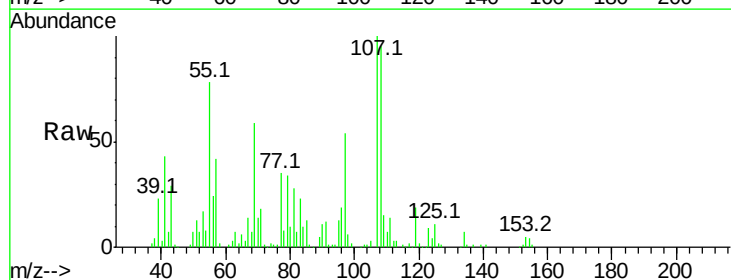
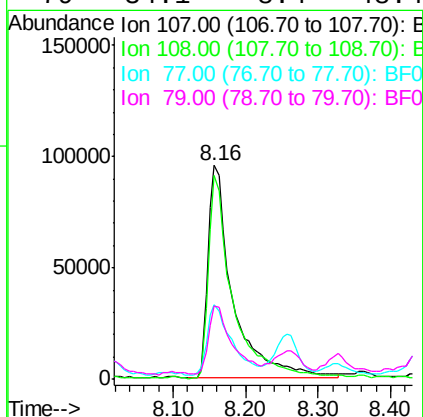
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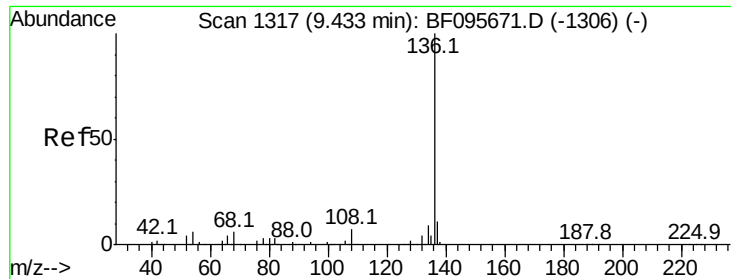
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#20
3+4-Methylphenols
Concen: 52.64 ng
RT: 8.16 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	95.4	71.0	111.0	
77	34.9	90.5	130.5#	
79	34.1	8.4	48.4	





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.40 min Scan# 1329

Delta R.T. -0.03 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Instrument :

BNA_F

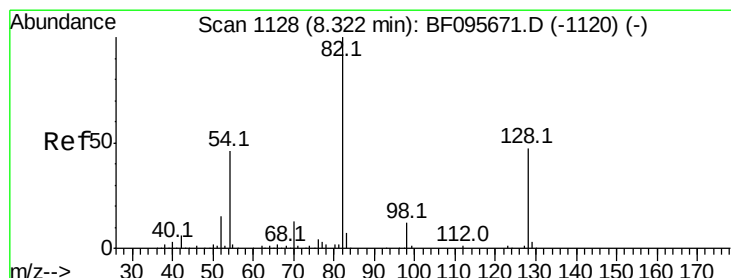
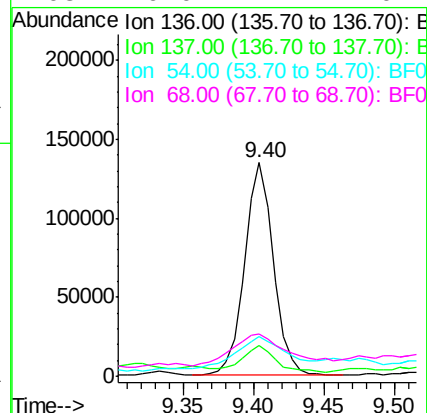
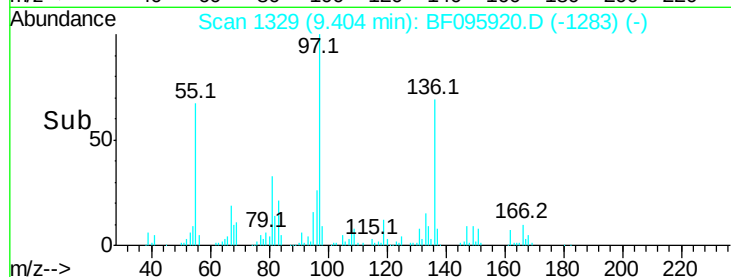
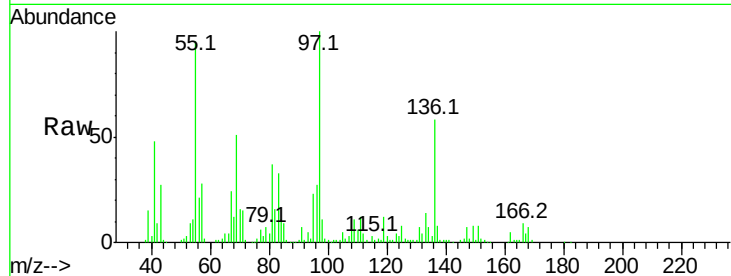
ClientSampleId :

E2-R7-BASE

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	14.6	8.5	12.7#
54	18.6	4.9	7.3#
68	20.0	4.1	6.1#

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#23

Nitrobenzene-d5

Concen: 94.66 ng

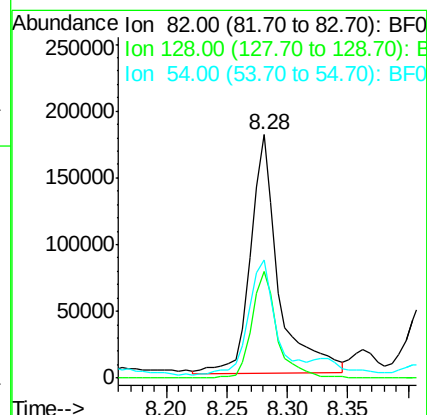
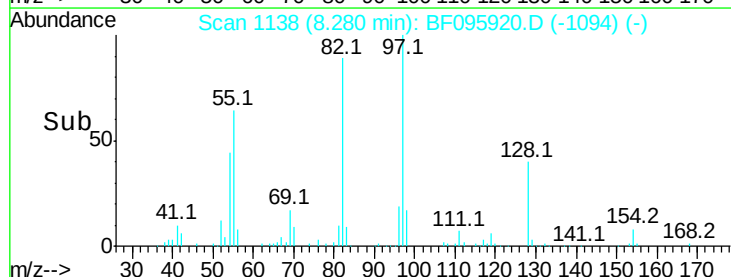
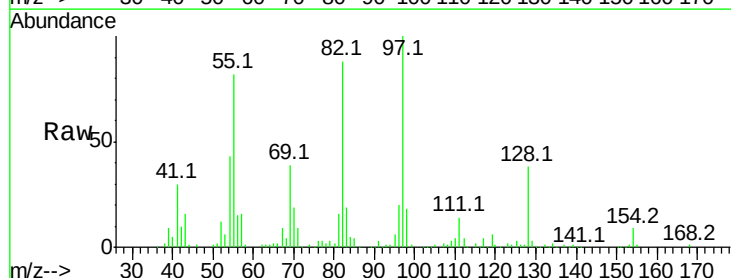
RT: 8.28 min Scan# 1138

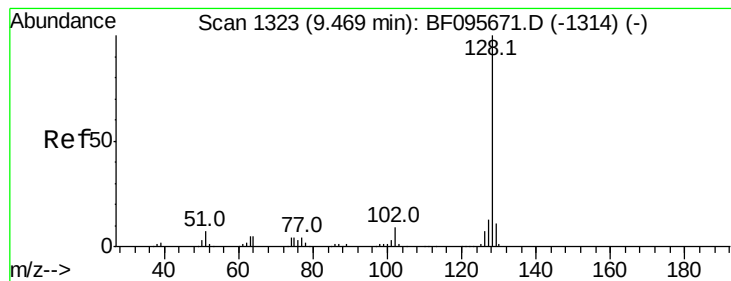
Delta R.T. -0.04 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	43.9	34.0	51.0
54	48.8	42.2	63.2





#31

Naphthalene

Concen: 11.68 ng

RT: 9.44 min Scan# 1335

Delta R.T. -0.03 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Instrument :

BNA_F

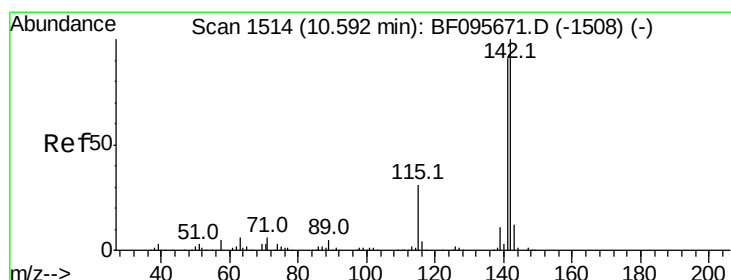
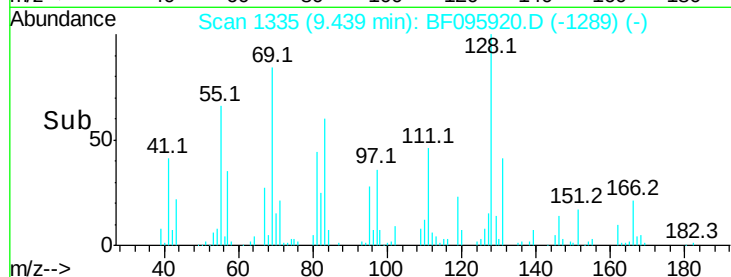
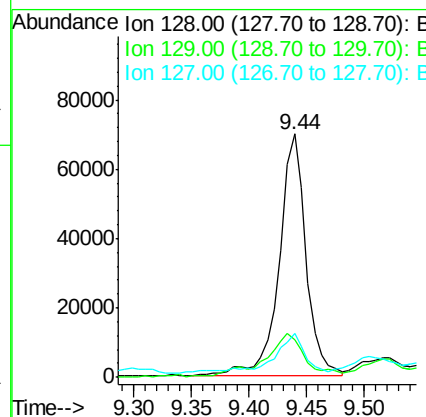
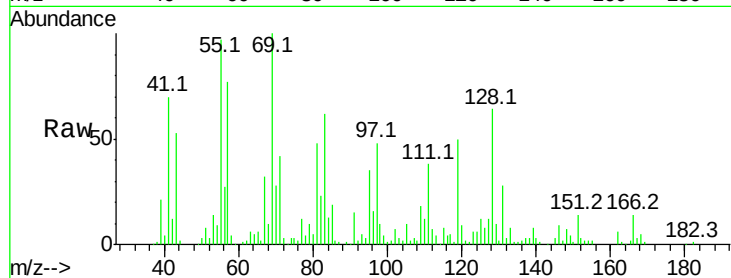
ClientSampleId :

E2-R7-BASE

Tot Ion:128	Resp:	112077
Ion Ratio	Lower	Upper
128 100		
129 15.3	9.0	13.6#
127 18.1	10.8	16.2#

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#37

2-Methylnaphthalene

Concen: 16.70 ng

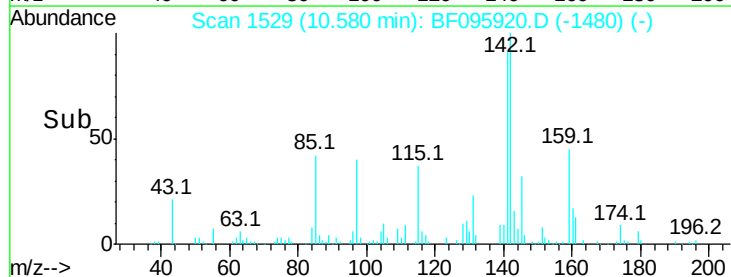
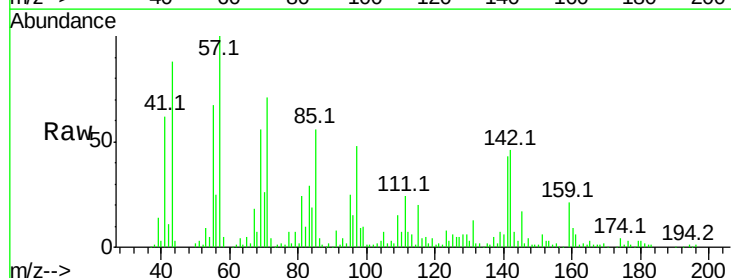
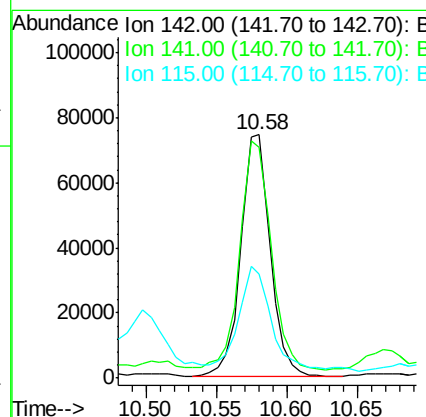
RT: 10.58 min Scan# 1529

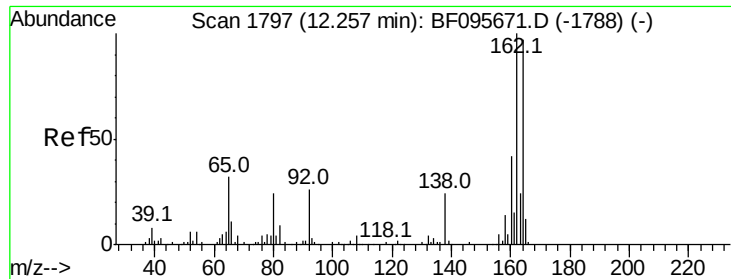
Delta R.T. -0.01 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Tgt Ion:142	Resp:	108321
Ion Ratio	Lower	Upper
142 100		
141 95.1	71.3	106.9
115 42.8	27.1	40.7#





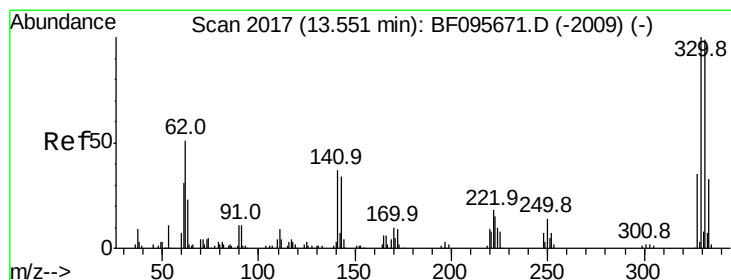
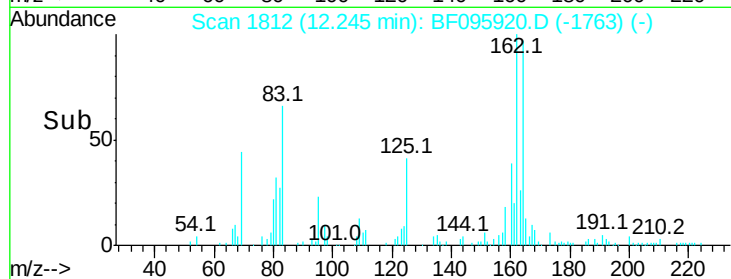
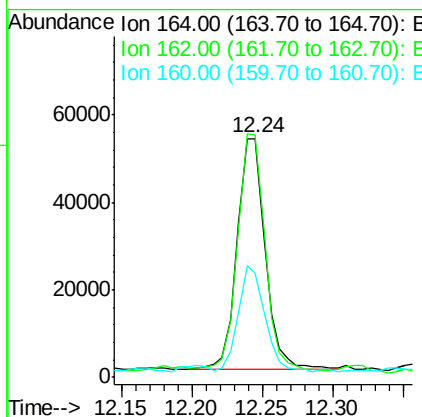
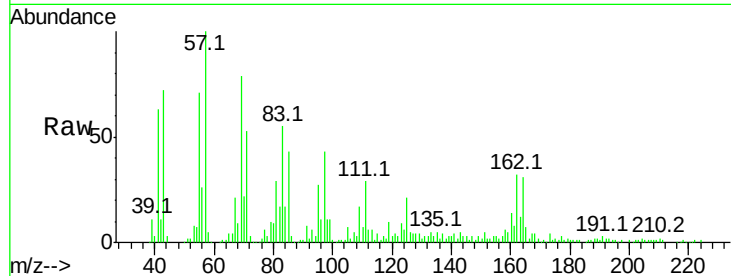
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Instrument :
BNA_F
ClientSampleId :
E2-R7-BASE

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	123.8
160	43.6	36.2	54.2

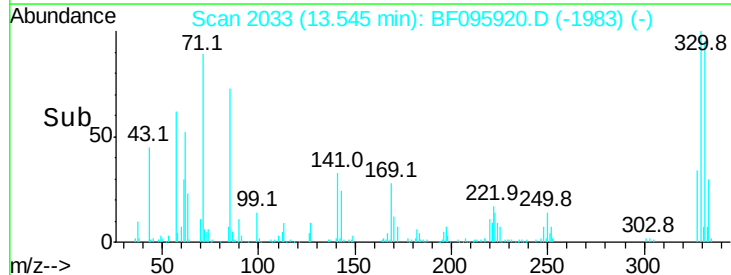
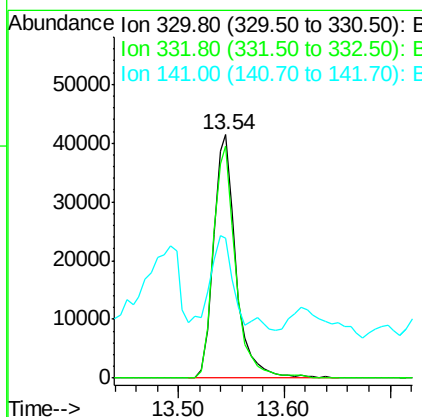
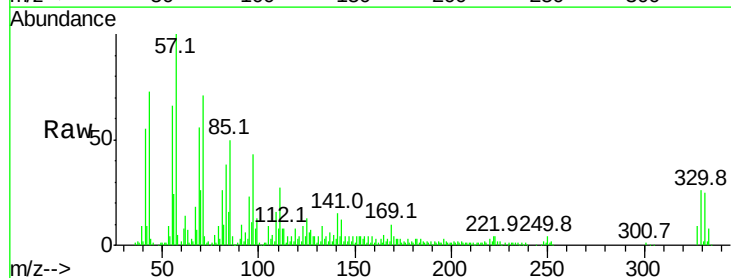
Manual Integrations
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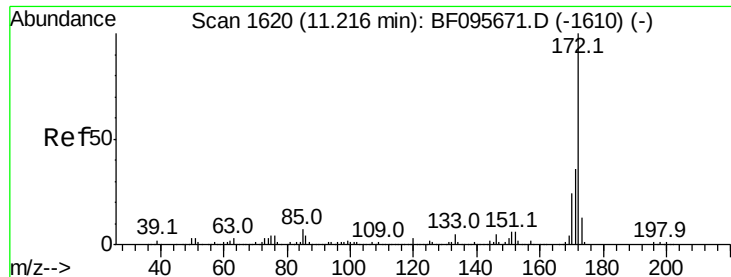
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#41
2,4,6-Tribromophenol
Concen: 94.96 ng
RT: 13.54 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	37.7	31.4	47.2





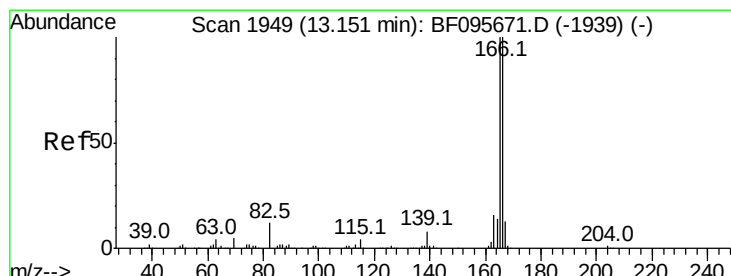
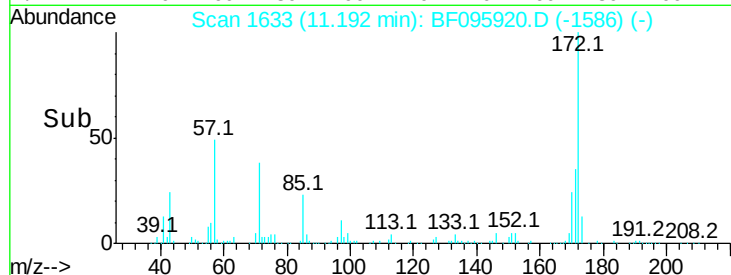
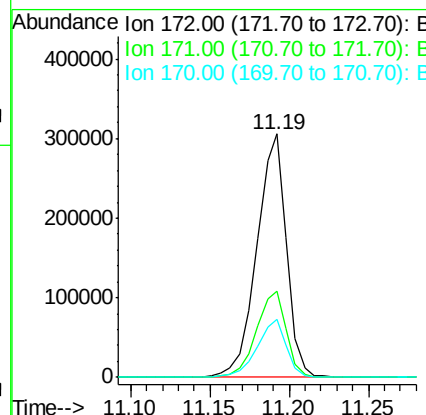
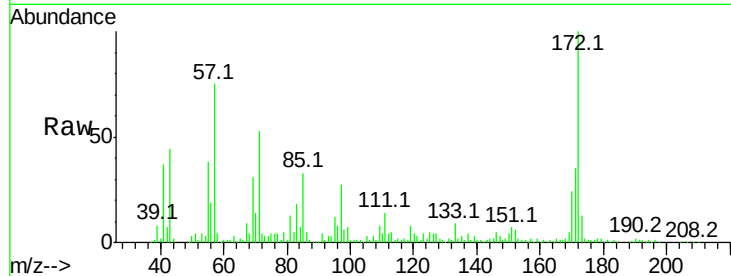
#44
2-Fluorobiphenyl
Concen: 74.47 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Instrument :
BNA_F
ClientSampleId :
E2-R7-BASE

Tot Ion	Ratio	Resp	Lower	Upper
172	100	394185		
171	35.1		29.6	44.4
170	23.7		19.8	29.8

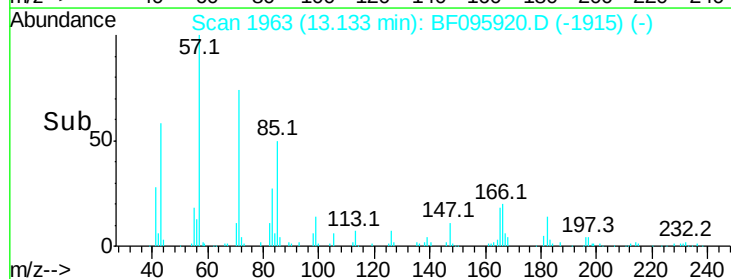
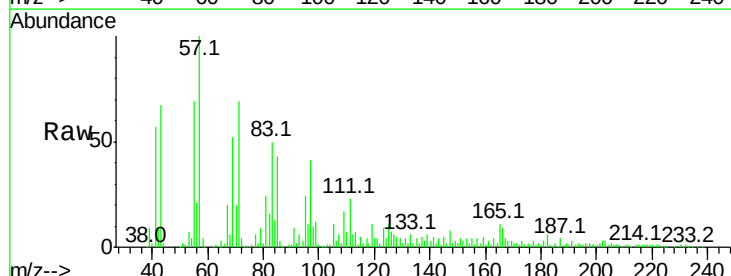
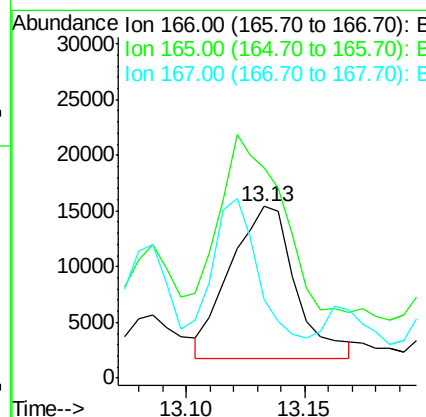
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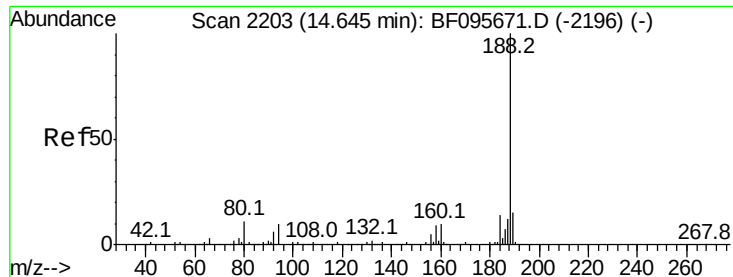
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#57
Fluorene
Concen: 4.57 ng m
RT: 13.13 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	26196		
165	122.7		78.8	118.2#
167	45.7		10.6	16.0#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 14.64 min Scan# 2219

Delta R.T. -0.01 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Instrument :

BNA_F

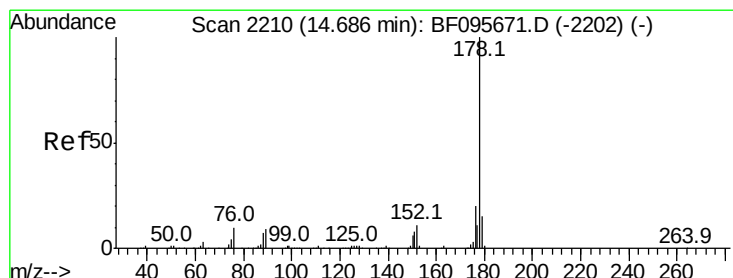
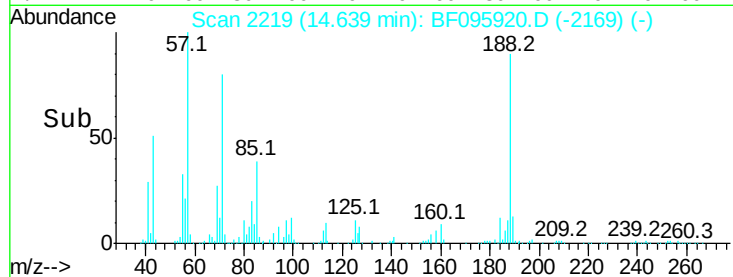
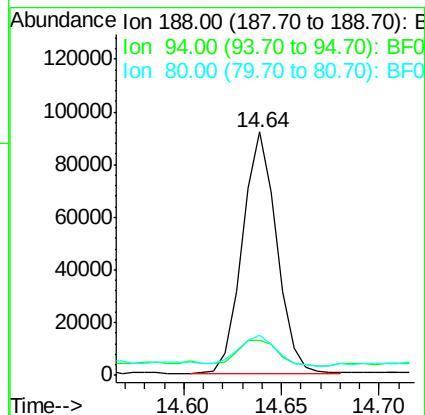
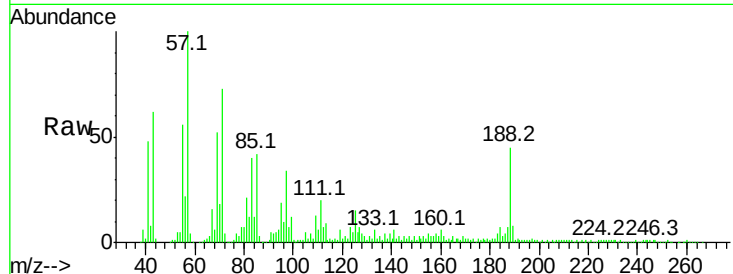
ClientSampleId :

E2-R7-BASE

Tot Ion:	188	Resp:	111334
Ion Ratio	Lower	Upper	
188	100		
94	14.2	9.4	14.2#
80	16.5	10.2	15.2#

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#70

Phenanthrene

Concen: 10.41 ng

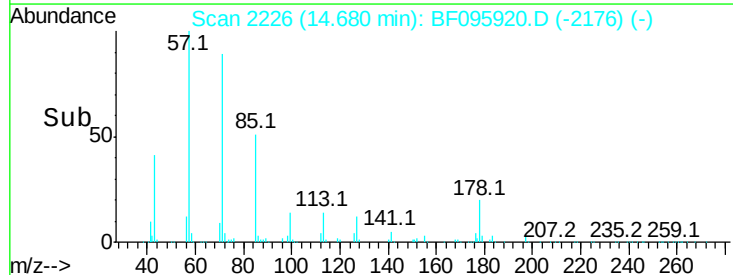
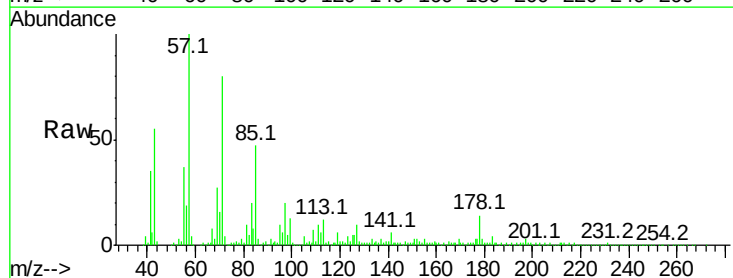
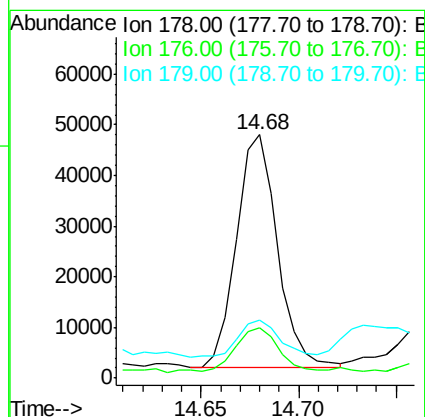
RT: 14.68 min Scan# 2226

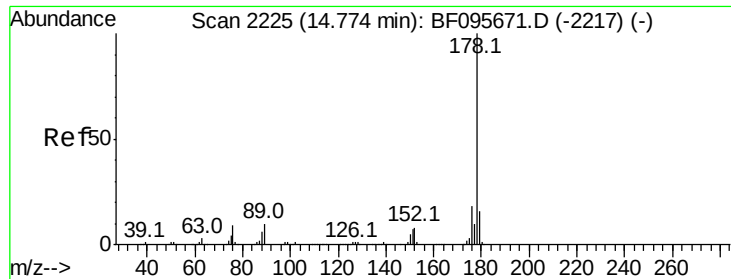
Delta R.T. -0.01 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Tgt Ion:	178	Resp:	66889
Ion Ratio	Lower	Upper	
178	100		
176	20.8	16.2	24.4
179	23.8	12.6	19.0#





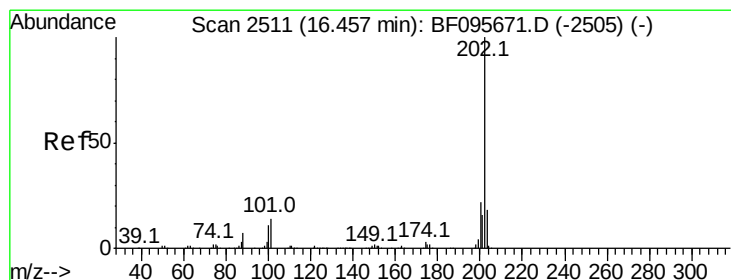
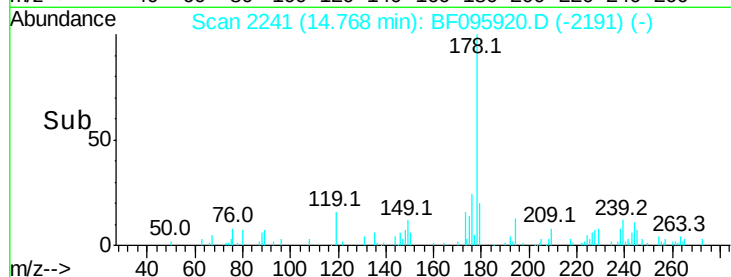
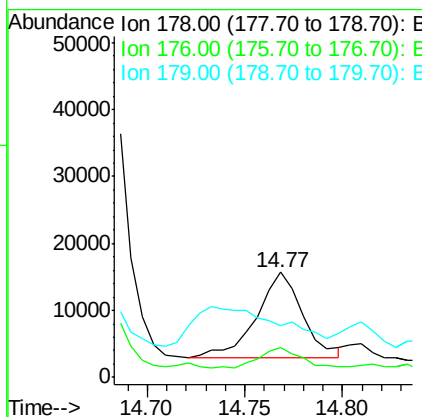
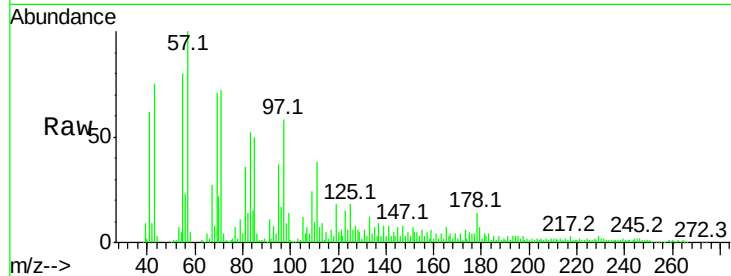
#71
 Anthracene
 Concen: 3.11 ng
 RT: 14.77 min Scan# 2241
 Delta R.T. -0.01 min
 Lab File: BF095920.D
 Acq: 14 Jun 2017 7:13

Instrument :
 BNA_F
 ClientSampled :
 E2-R7-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	28.8	15.8	23.8#
179	49.0	12.7	19.1#

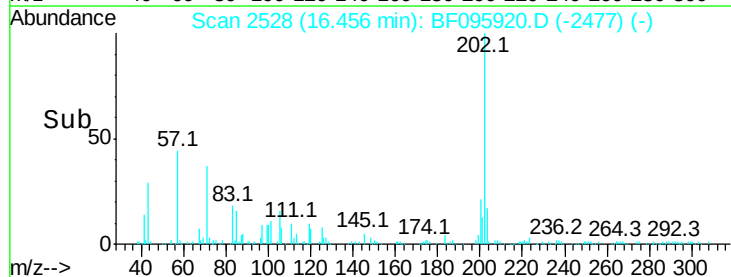
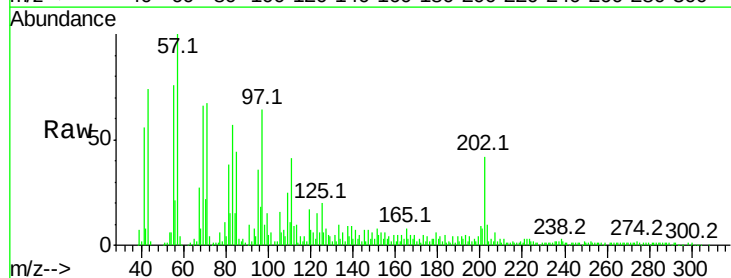
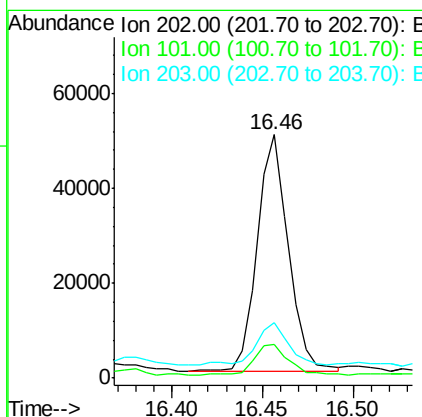
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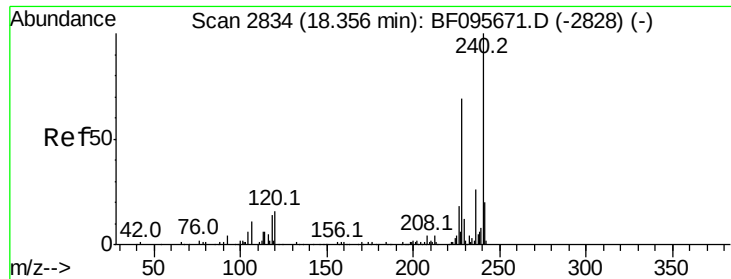
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#74
 Fluoranthene
 Concen: 9.39 ng
 RT: 16.46 min Scan# 2528
 Delta R.T. -0.00 min
 Lab File: BF095920.D
 Acq: 14 Jun 2017 7:13

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	22.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.35 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Instrument :

BNA_F

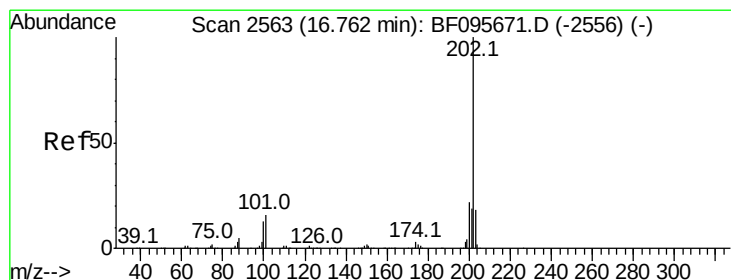
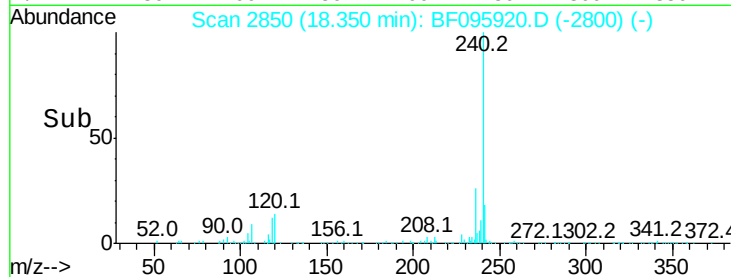
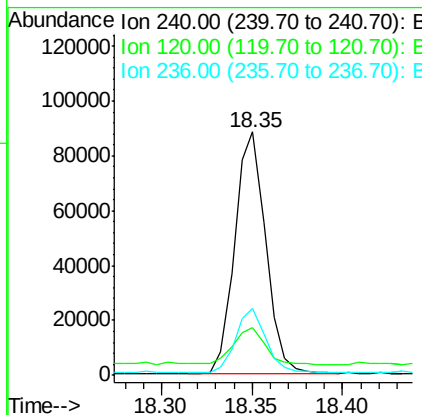
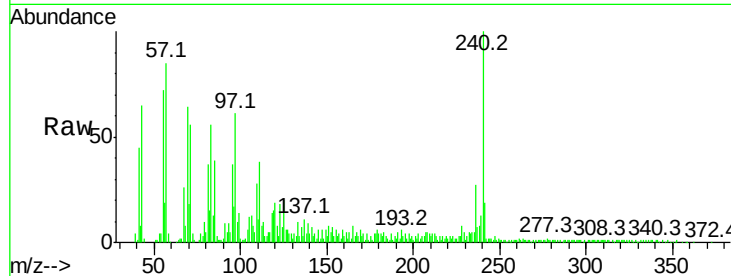
ClientSampleId :

E2-R7-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	19.5	5.8	8.8#
236	27.3	20.5	30.7

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#77

Pyrene

Concen: 10.18 ng

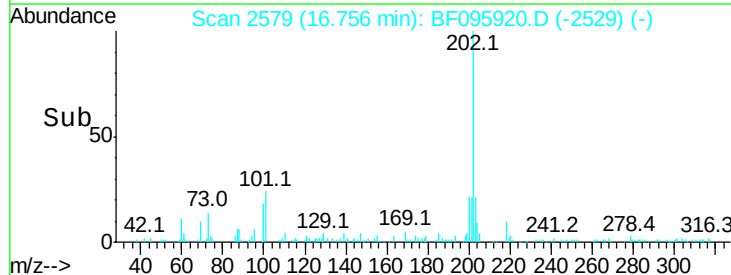
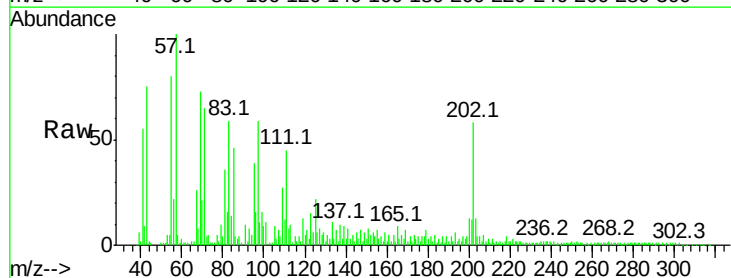
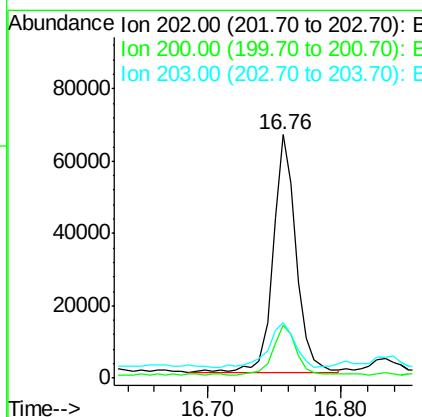
RT: 16.76 min Scan# 2579

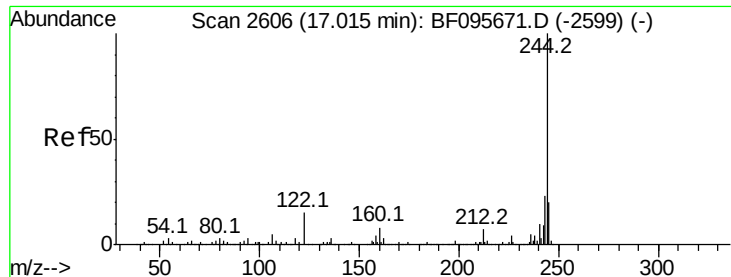
Delta R.T. -0.01 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	23.0	14.4	21.6#





#78

Terphenyl-d14

Concen: 72.09 ng

RT: 17.00 min Scan# 2621

Delta R.T. -0.01 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Instrument :

BNA_F

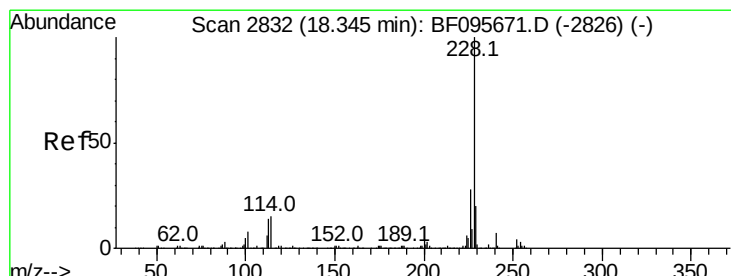
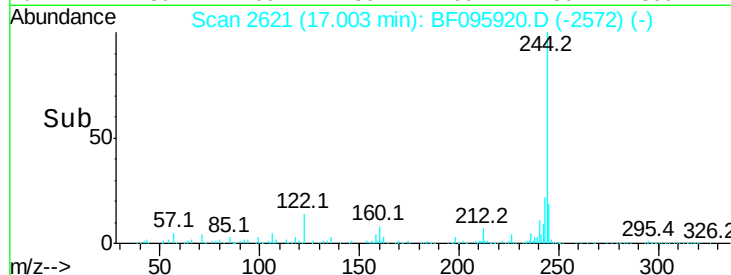
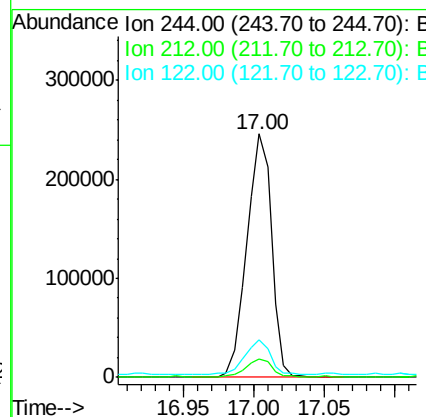
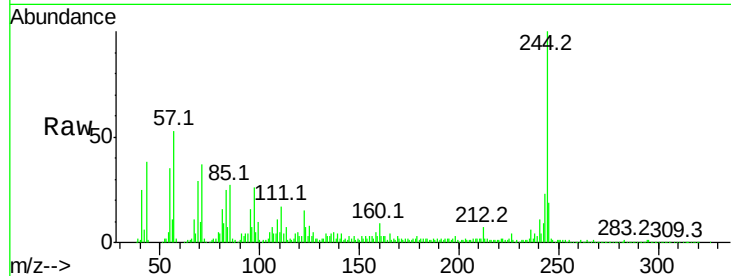
ClientSampleId :

E2-R7-BASE

Tot Ion:	244	Resp:	300700
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.0	9.0
122	15.2	10.3	15.5

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#80

Benzo(a)anthracene

Concen: 4.05 ng

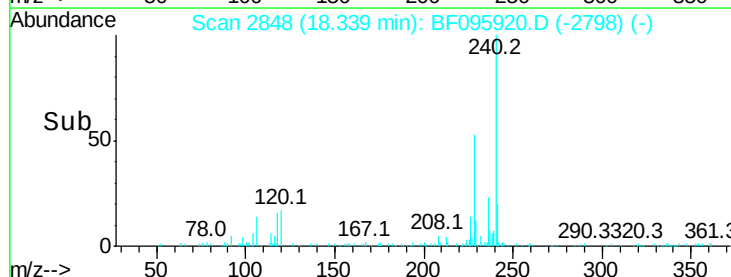
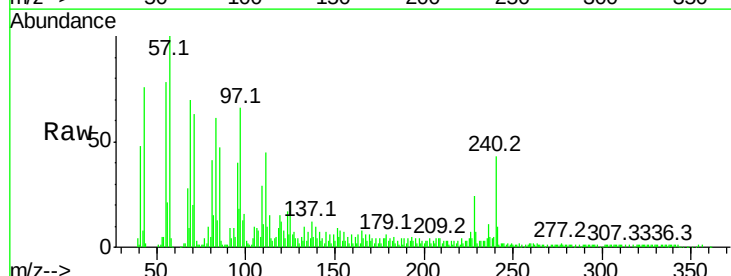
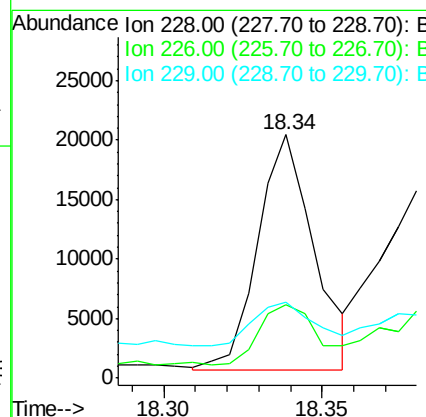
RT: 18.34 min Scan# 2848

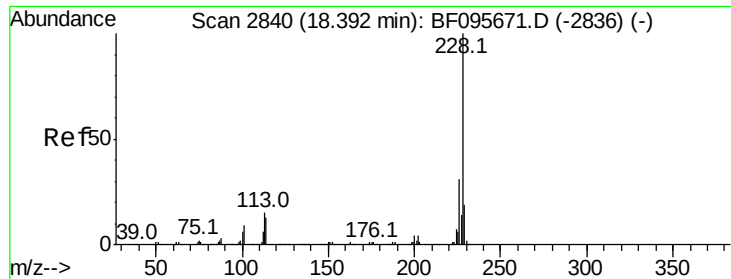
Delta R.T. -0.01 min

Lab File: BF095920.D

Acq: 14 Jun 2017 7:13

Tgt Ion:	228	Resp:	24393
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.6	33.8
229	31.3	16.3	24.5#





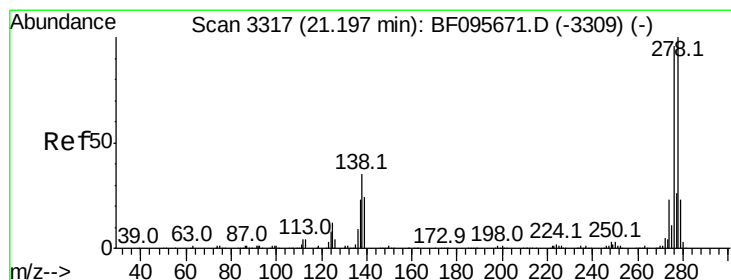
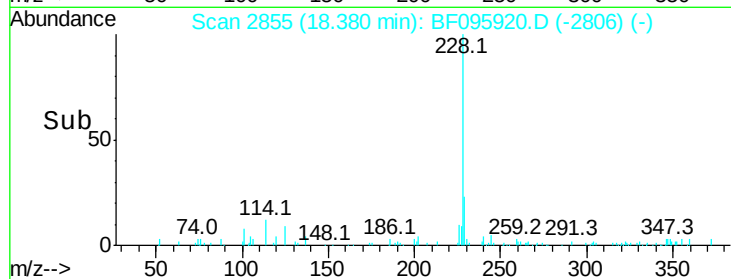
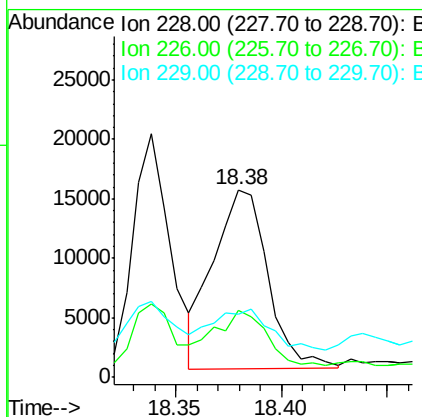
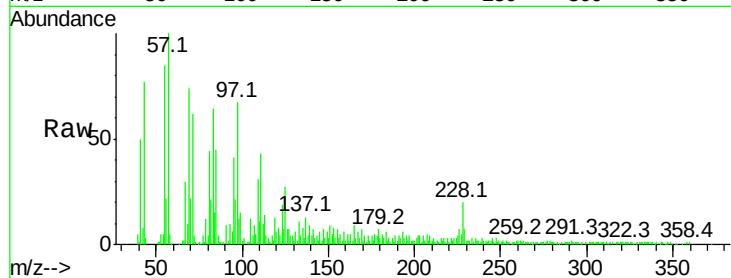
#82
Chrysene
Concen: 4.49 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Instrument :
BNA_F
ClientSampled :
E2-R7-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.4	24.9	37.3
229	33.5	15.8	23.6

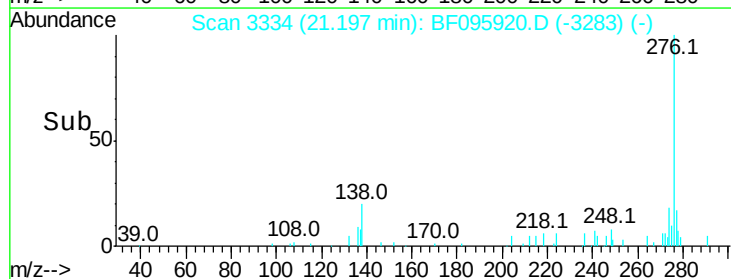
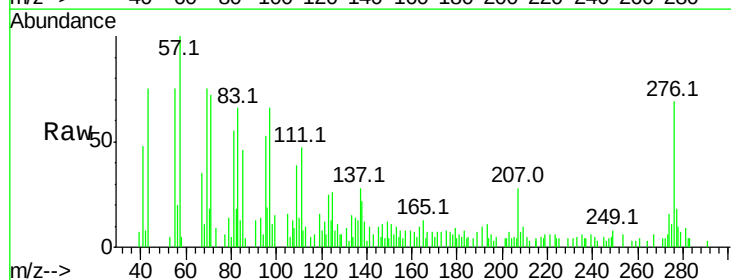
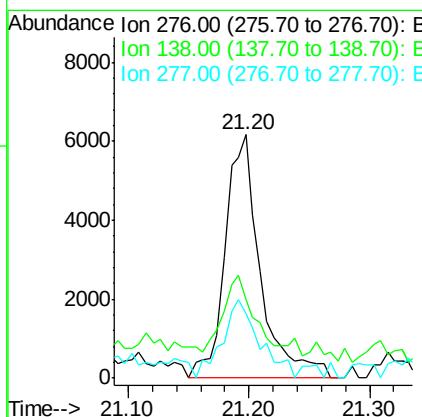
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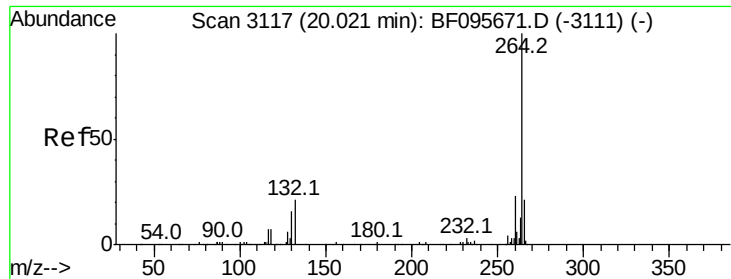
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.42 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.4	27.8	41.6
277	33.6	20.2	30.4





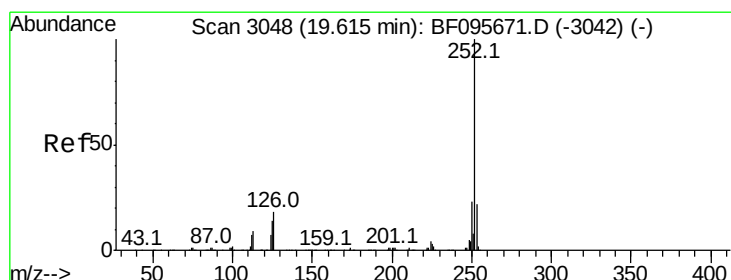
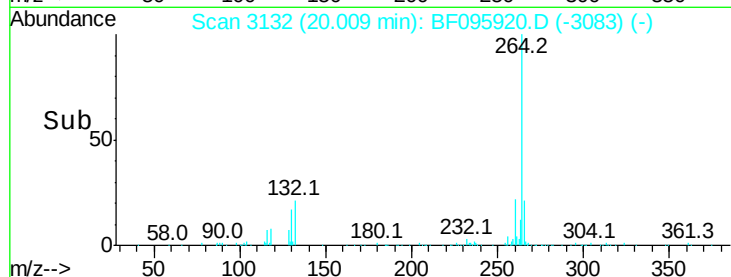
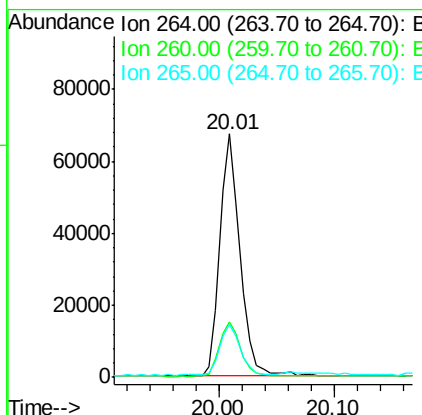
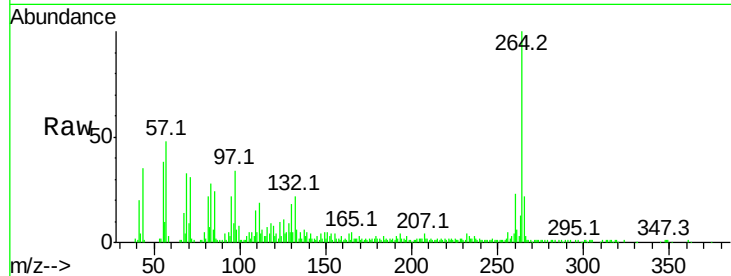
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Instrument :
BNA_F
ClientSampleId :
E2-R7-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.5	29.3
265	21.9	17.2	25.8

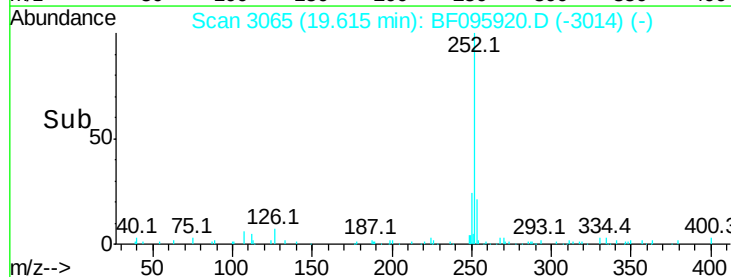
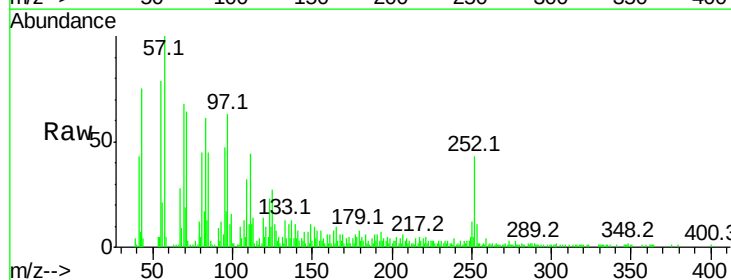
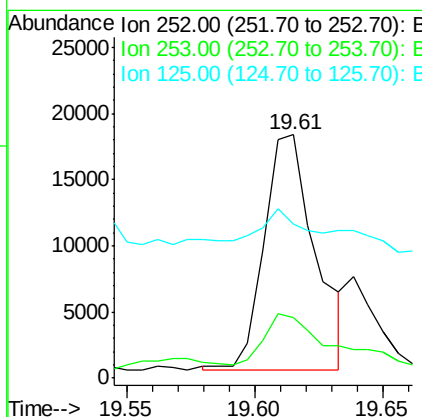
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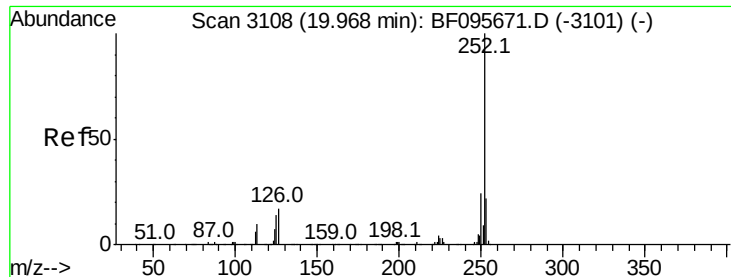
mohammad
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#87
Benzo(b)fluoranthene
Concen: 4.91 ng m
RT: 19.61 min Scan# 3065
Delta R.T. -0.00 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	63.2	9.8	14.8#





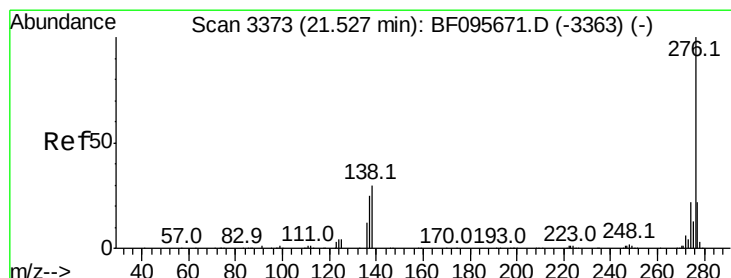
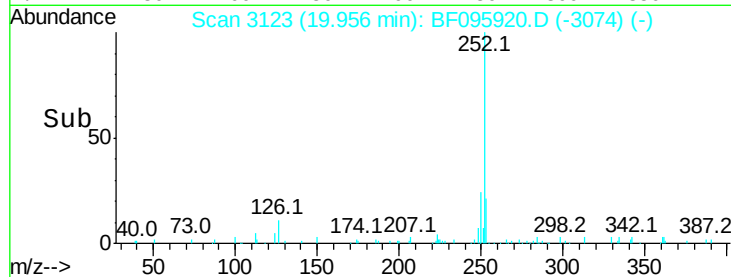
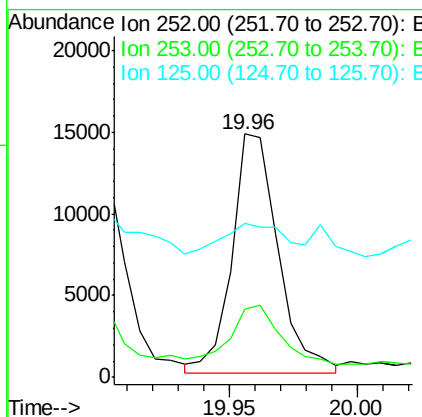
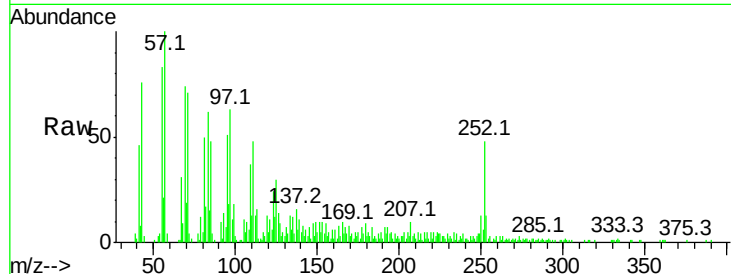
#89
Benzo(a)pyrene
Concen: 3.94 ng m
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Instrument :
BNA_F
ClientSampleId :
E2-R7-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.2	17.5	26.3#
125	63.1	11.0	16.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.35 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095920.D
Acq: 14 Jun 2017 7:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.2	18.6	28.0
138	29.9	25.4	38.0

