

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022017\
 Data File : BE092749.D
 Acq On : 20 Feb 2017 16:01
 Operator : SJ/MA
 Sample : I1899-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS050SS219(0-6)-170216

Manual Integrations
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mohammad
 2/21/2017 10:37:33 AM

Quant Time: Feb 21 10:21:50 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 17:05:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	11375	5.00	ng	0.00
7) Naphthalene-d8	10.89	136	54598	5.00	ng	0.00
12) Acenaphthene-d10	14.76	164	32683	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	72737	5.00	ng	0.00
24) Chrysene-d12	21.70	240	63382	5.00	ng	0.00
31) Perylene-d12	24.02	264	70541	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.62	112	3214	1.45	ng	-0.02
5) Phenol-d6	7.29	99	4610	1.70	ng	-0.02
8) Nitrobenzene-d5	9.32	82	2166	0.66	ng	0.00
13) 2,4,6-Tribromophenol	16.26	330	1004	1.45	ng	-0.02
14) 2-Fluorobiphenyl	13.39	172	6246	0.78	ng	-0.01
26) Terphenyl-d14	20.12	244	7863	0.97	ng	-0.02
Target Compounds						Qvalue
15) Acenaphthylene	14.47	152	3365	0.07	ng	100
16) Acenaphthene	14.81	154	600	0.08	ng	83
17) Fluorene	15.82	166	519	0.06	ng	98
21) Phenanthrene	17.56	178	14123	0.82	ng	95
22) Anthracene	17.65	178	3957	0.25	ng	98
23) Fluoranthene	19.54	202	205927	2.78	ng	100
25) Pyrene	19.92	202	176191	2.92	ng	# 92
27) Benzo(a)anthracene	21.68	228	106962m	1.74	ng	
28) Chrysene	21.72	228	86876m	1.19	ng	
29) Bis(2-ethylhexyl)phthalate	21.59	149	3340	0.45	ng	# 73
30) Indeno(1,2,3-cd)pyrene	26.46	276	62947	0.86	ng	95
32) Benzo(b)fluoranthene	23.30	252	36123m	1.97	ng	
33) Benzo(k)fluoranthene	23.35	252	11244m	0.57	ng	
34) Benzo(a)pyrene	23.91	252	20347	1.12	ng	98
35) Dibenzo(a,h)anthracene	26.48	278	3723	0.22	ng	# 87
36) Benzo(g,h,i)perylene	27.23	276	63509	0.86	ng	99

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

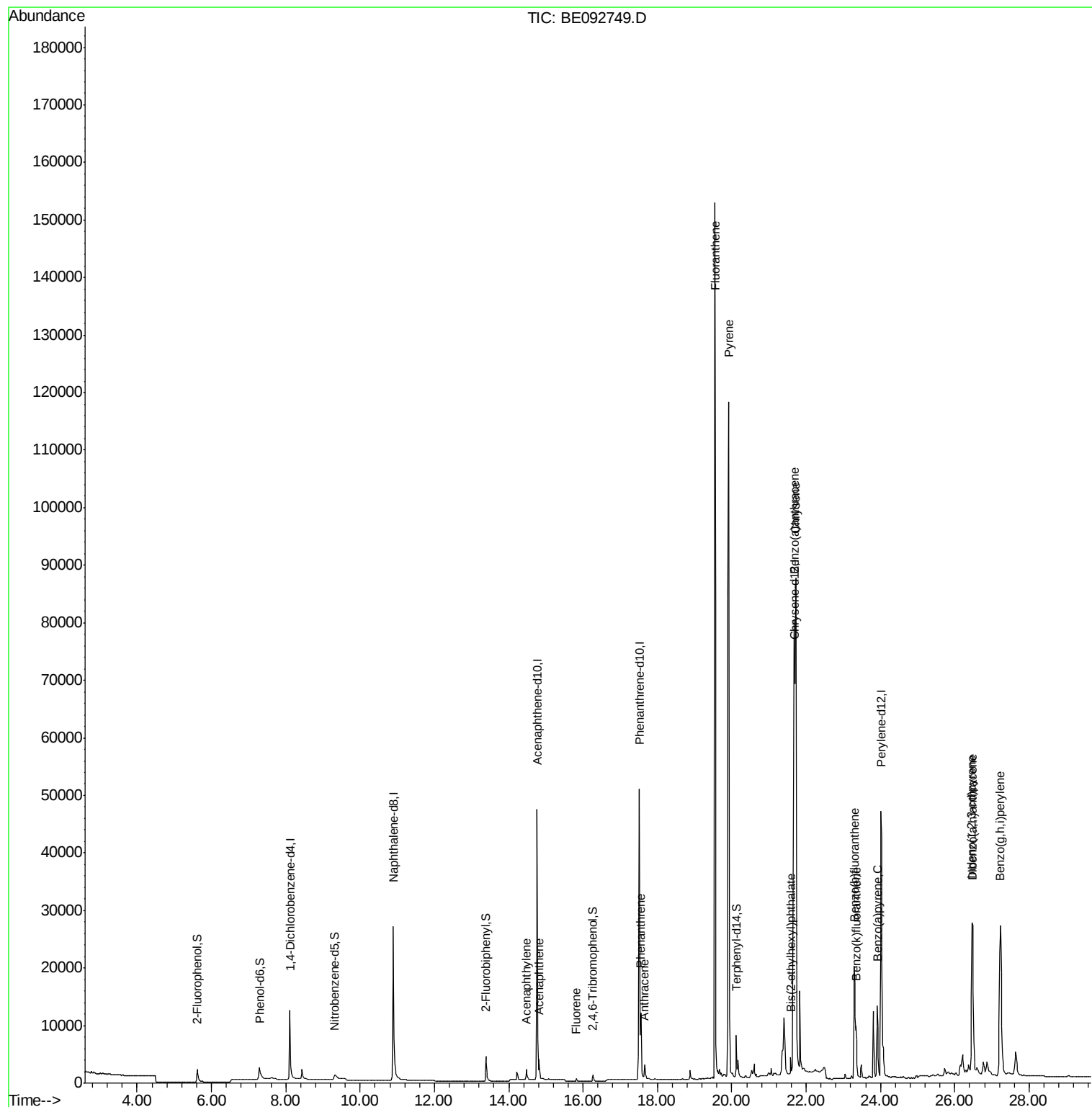
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE022017\
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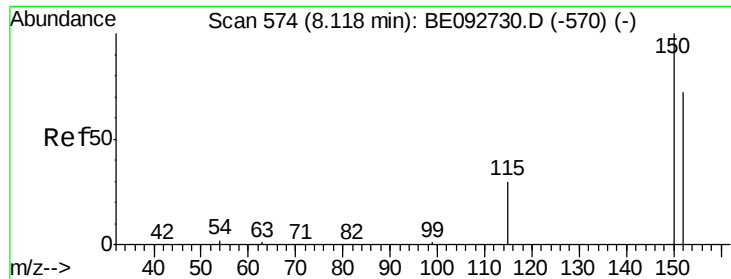
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#1

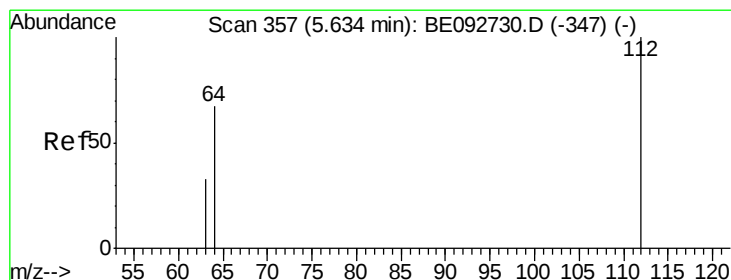
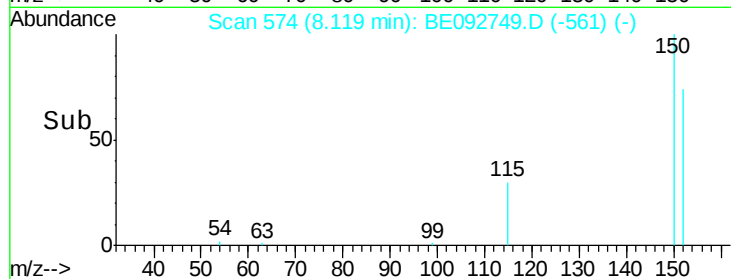
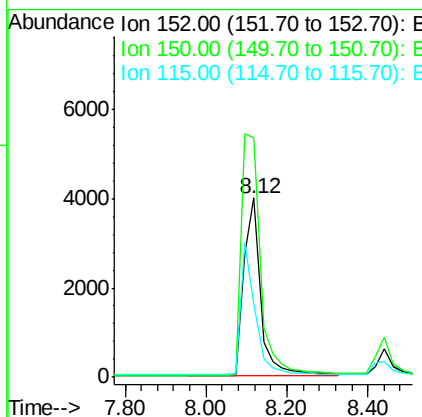
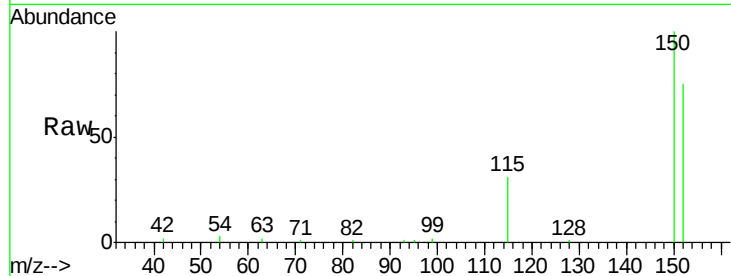
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.12 min Scan# 574
Delta R.T. 0.00 min
Lab File: BE092749.D
Acq: 20 Feb 2017 16:01

Instrument :
BNA_E
ClientSampleId :
SS050SS219(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
152	100		
150	134.0	106.0	159.0
115	41.1	31.2	46.8

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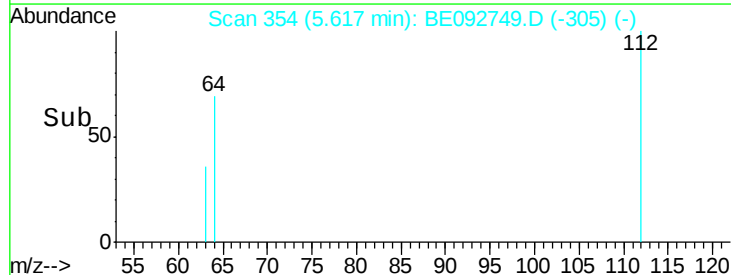
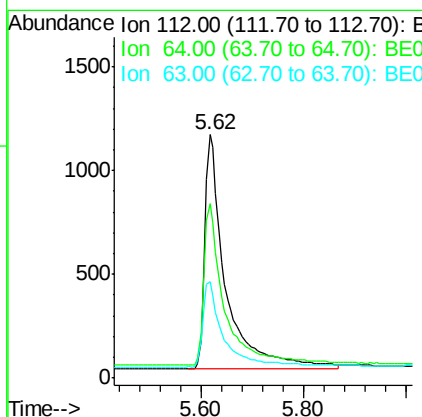
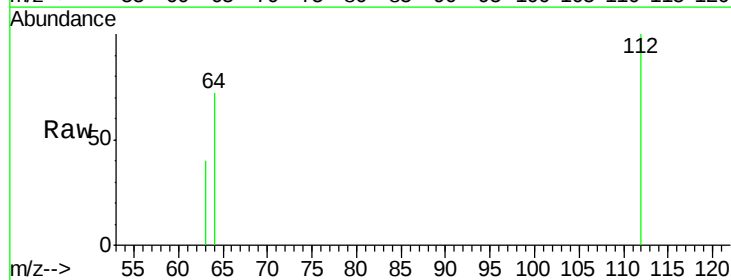
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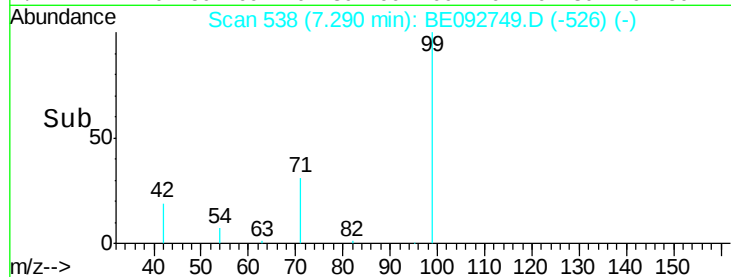
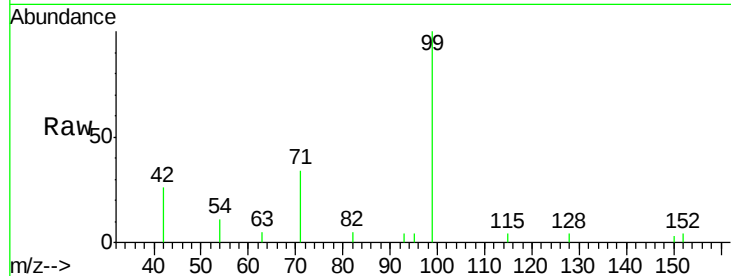
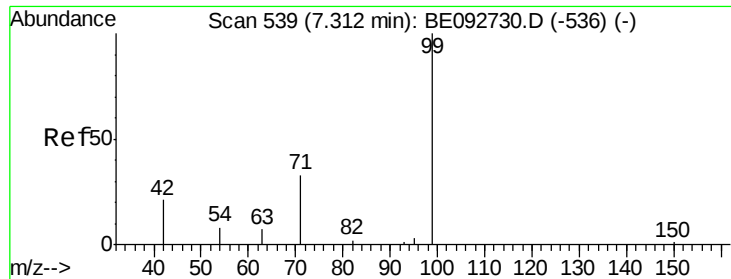


#4

2-Fluorophenol
Concen: 1.45 ng
RT: 5.62 min Scan# 354
Delta R.T. -0.02 min
Lab File: BE092749.D
Acq: 20 Feb 2017 16:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	53.5	80.3
63	36.5	27.9	41.9





#5

Phenol-d6

Concen: 1.70 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.02 min

Lab File: BE092749.D

Acq: 20 Feb 2017 16:01

Tgt Ion:	99	Resp:	4610
Ion Ratio	Lower	Upper	
99	100		
42	25.6	16.0	24.0#
71	34.2	30.6	45.8

Instrument :

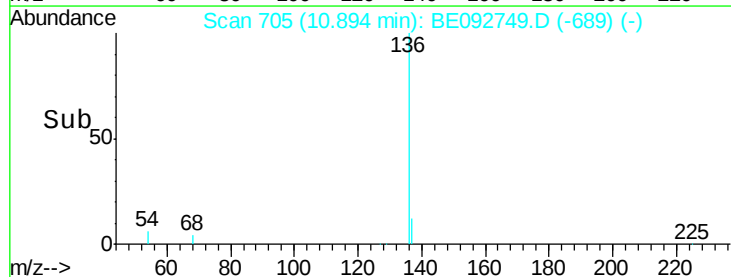
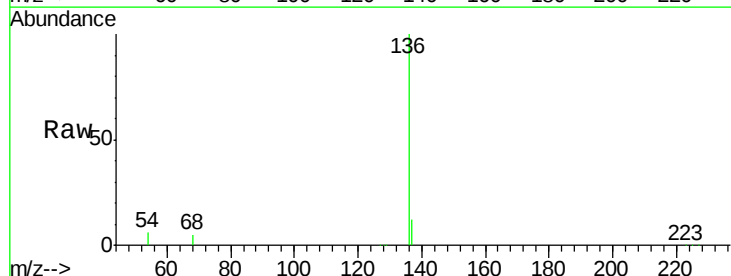
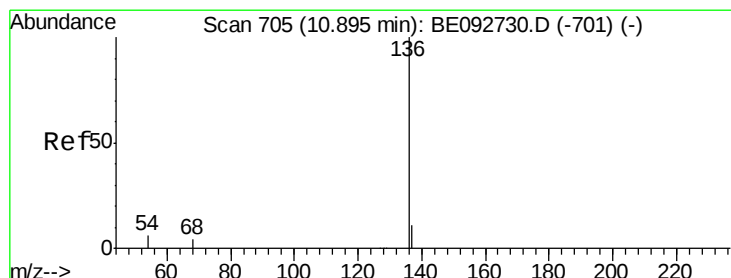
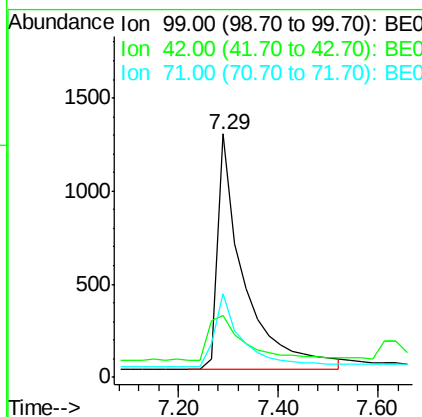
BNA_E

ClientSampleId :

SS050SS219(0-6)-170216

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#7

Naphthalene-d8

Concen: 5.00 ng

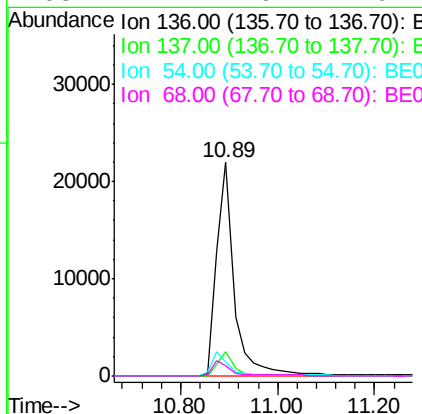
RT: 10.89 min Scan# 705

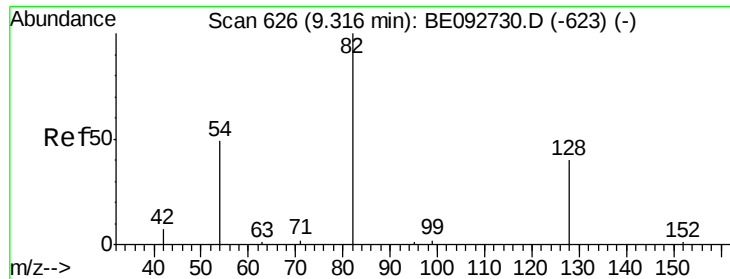
Delta R.T. -0.00 min

Lab File: BE092749.D

Acq: 20 Feb 2017 16:01

Tgt Ion:	136	Resp:	54598
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.2	12.4
54	6.4	9.6	14.4#
68	4.7	6.7	10.1#





#8

Nitrobenzene-d5

Concen: 0.66 ng

RT: 9.32 min Scan# 626

Delta R.T. 0.00 min

Lab File: BE092749.D

Acq: 20 Feb 2017 16:01

Instrument :

BNA_E

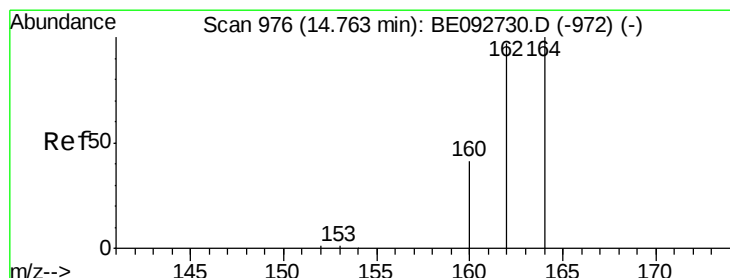
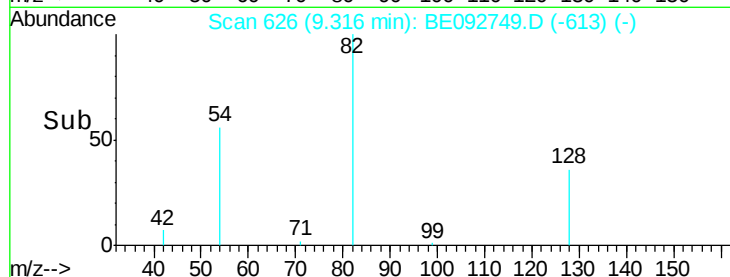
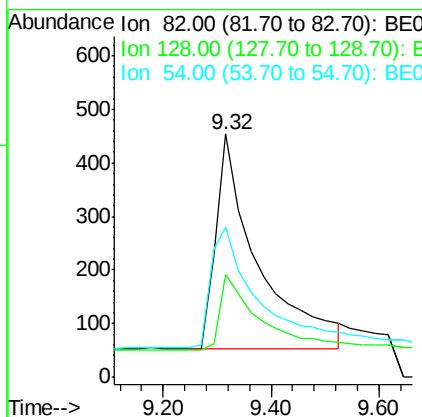
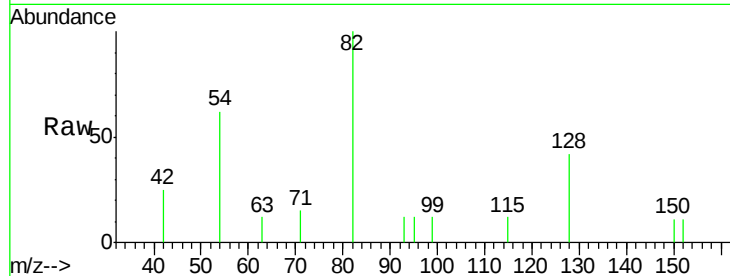
ClientSampleId :

SS050SS219(0-6)-170216

Tgt Ion:	82	Resp:	2166
Ion	Ratio	Lower	Upper
82	100		
128	42.3	39.0	58.4
54	61.7	44.8	67.2

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#12

Acenaphthene-d10

Concen: 5.00 ng

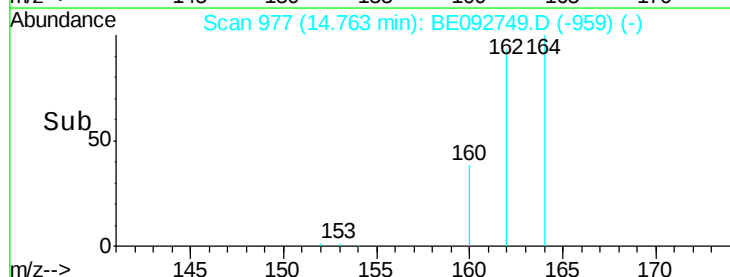
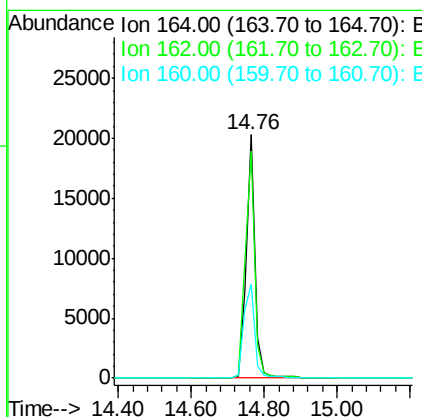
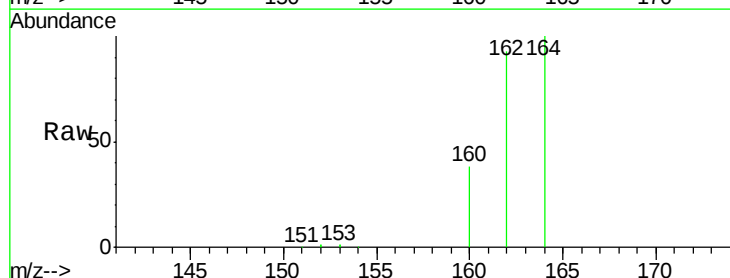
RT: 14.76 min Scan# 977

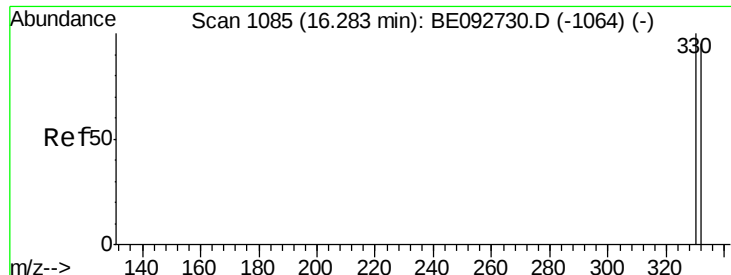
Delta R.T. 0.00 min

Lab File: BE092749.D

Acq: 20 Feb 2017 16:01

Tgt Ion:	164	Resp:	32683
Ion	Ratio	Lower	Upper
164	100		
162	93.1	71.4	107.0
160	38.4	27.4	41.2





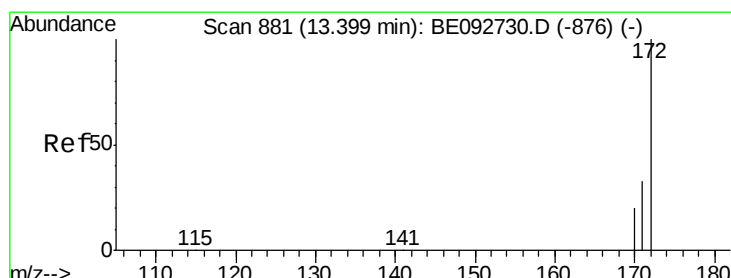
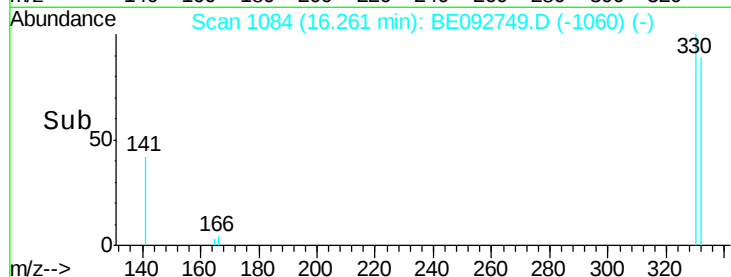
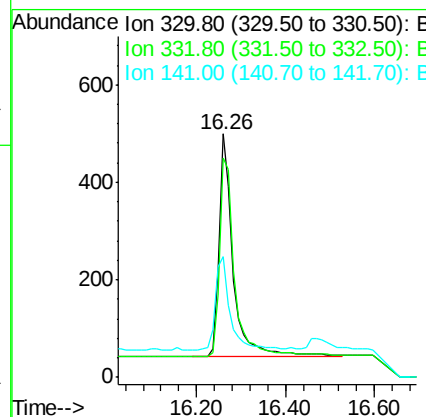
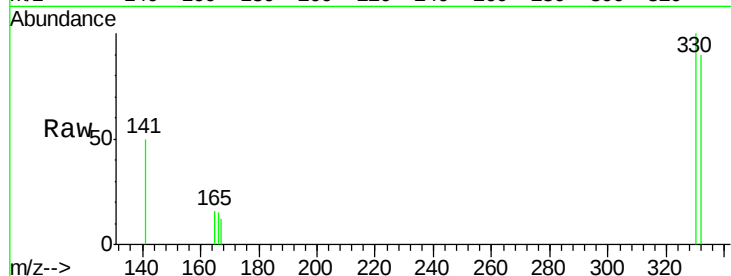
#13
 2,4,6-Tribromophenol
 Concen: 1.45 ng
 RT: 16.26 min Scan# 1084
 Delta R.T. -0.02 min
 Lab File: BE092749.D
 Acq: 20 Feb 2017 16:01

Instrument :
 BNA_E
 ClientSampleId :
 SS050SS219(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	43.7	31.0	46.6

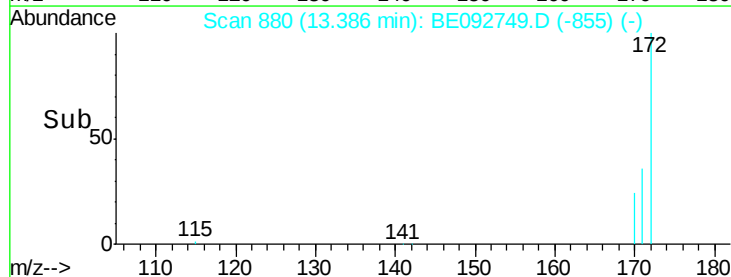
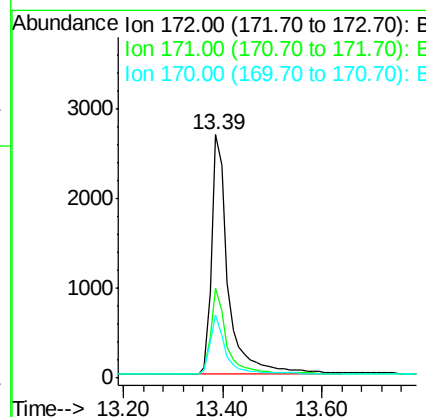
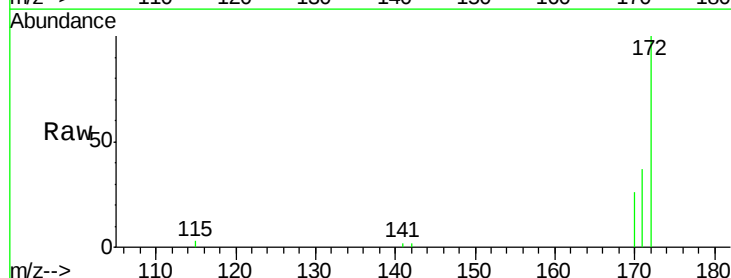
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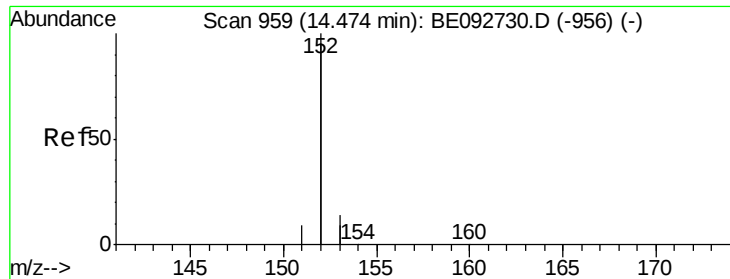
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#14
 2-Fluorobiphenyl
 Concen: 0.78 ng
 RT: 13.39 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BE092749.D
 Acq: 20 Feb 2017 16:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.1	45.1
170	25.7	21.8	32.6





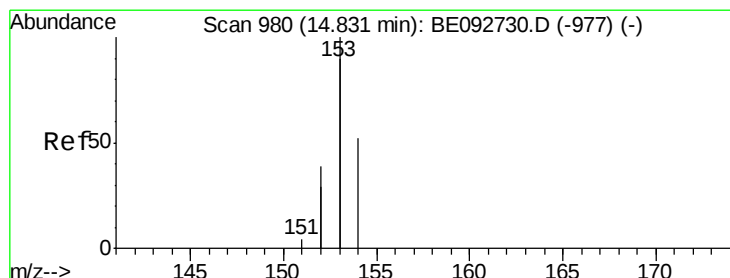
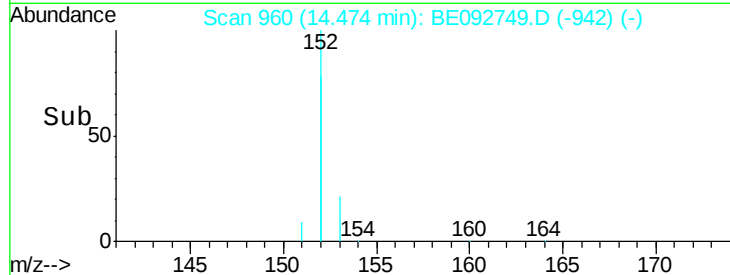
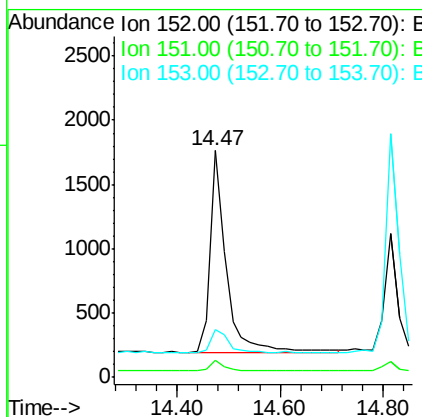
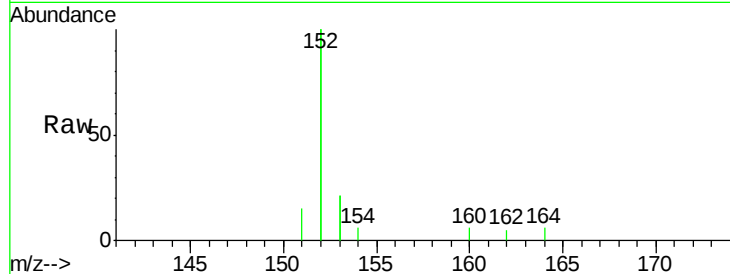
#15
Acenaphthylene
Concen: 0.07 ng
RT: 14.47 min Scan# 960
Delta R.T. 0.00 min
Lab File: BE092749.D
Acq: 20 Feb 2017 16:01

Instrument :
BNA_E
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SS050SS219(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	12.9	10.4	15.6

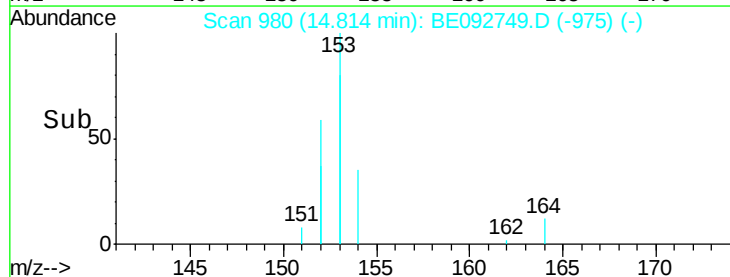
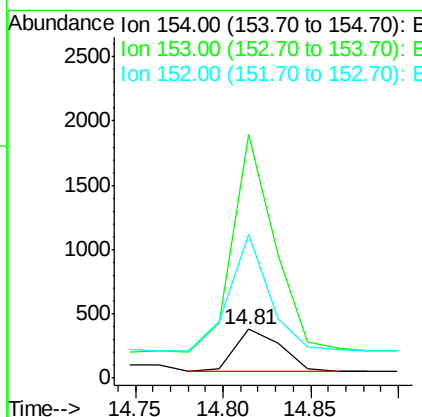
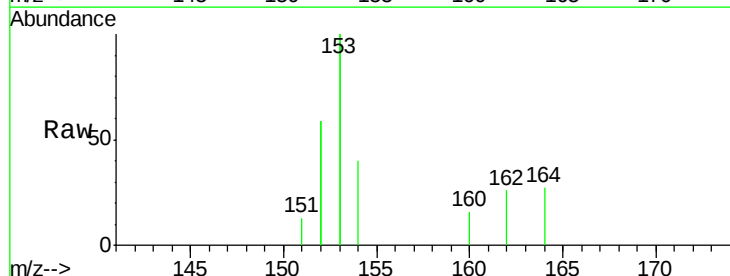
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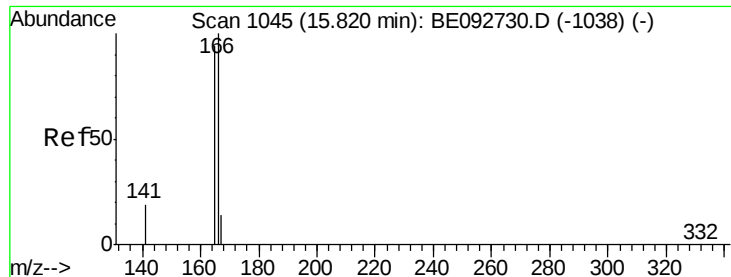
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#16
Acenaphthene
Concen: 0.08 ng
RT: 14.81 min Scan# 980
Delta R.T. -0.02 min
Lab File: BE092749.D
Acq: 20 Feb 2017 16:01

Tgt Ion	Ratio	Lower	Upper
154	100		
153	478.3	350.8	526.2
152	245.3	171.1	256.7





#17

Fluorene

Concen: 0.06 ng

RT: 15.82 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BE092749.D

Acq: 20 Feb 2017 16:01

Instrument :

BNA_E

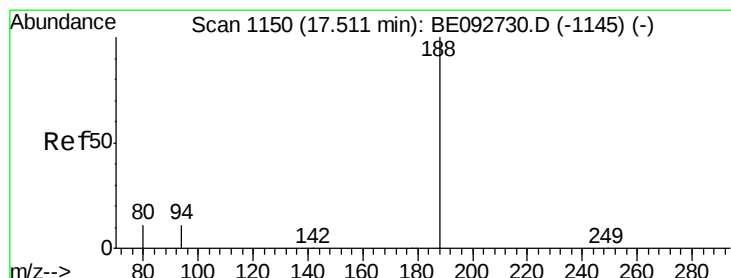
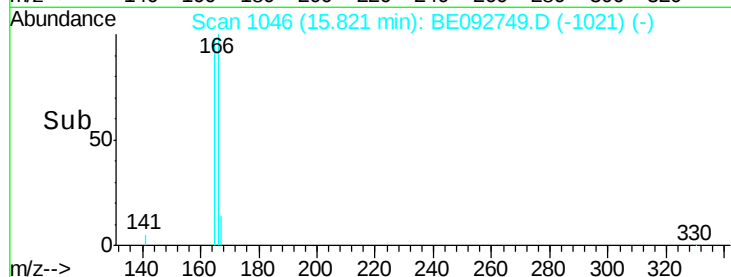
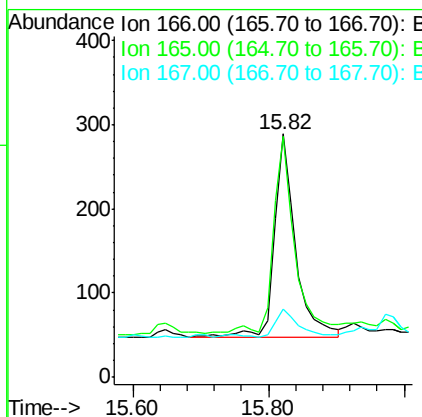
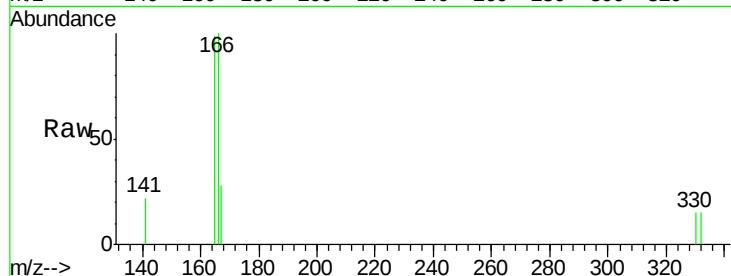
ClientSampleId :

SS050SS219(0-6)-170216

Tgt Ion:	166	Resp:	519
Ion Ratio	Lower	Upper	
166	100		
165	99.0	78.2	117.4
167	15.6	11.0	16.4

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#18

Phenanthrene-d10

Concen: 5.00 ng

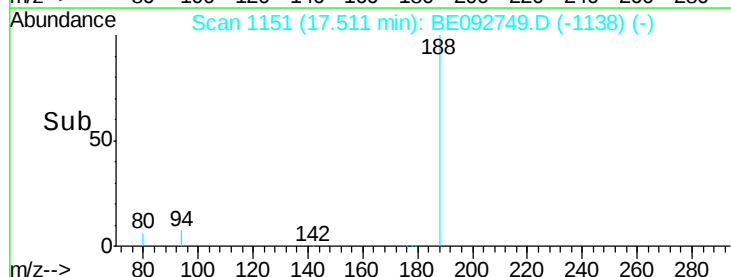
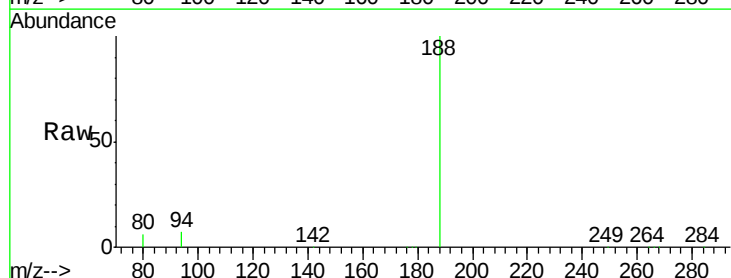
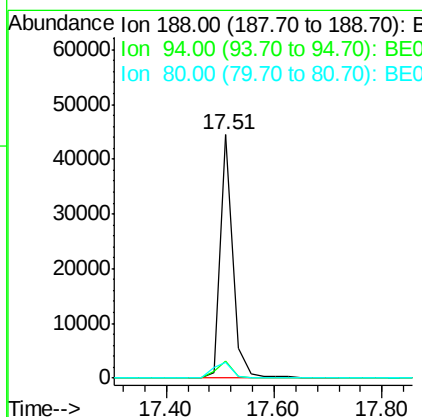
RT: 17.51 min Scan# 1151

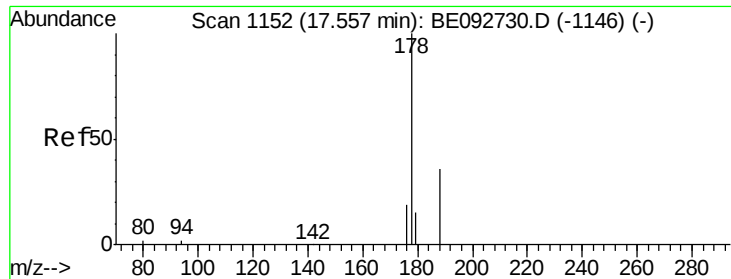
Delta R.T. 0.00 min

Lab File: BE092749.D

Acq: 20 Feb 2017 16:01

Tgt Ion:	188	Resp:	72737
Ion Ratio	Lower	Upper	
188	100		
94	7.1	3.2	4.8#
80	6.5	2.6	3.8#





#21

Phenanthrene

Concen: 0.82 ng

RT: 17.56 min Scan# 1153

Delta R.T. 0.00 min

Lab File: BE092749.D

Acq: 20 Feb 2017 16:01

Instrument :

BNA_E

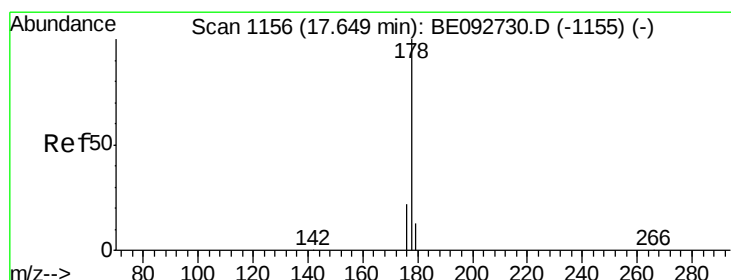
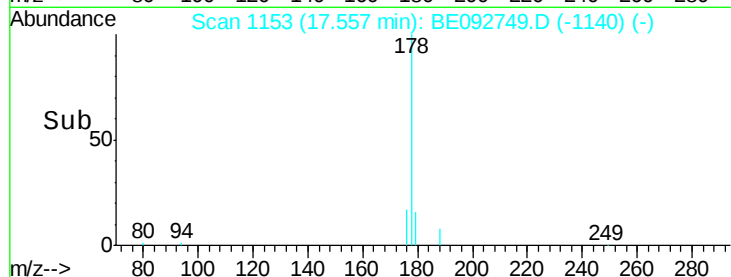
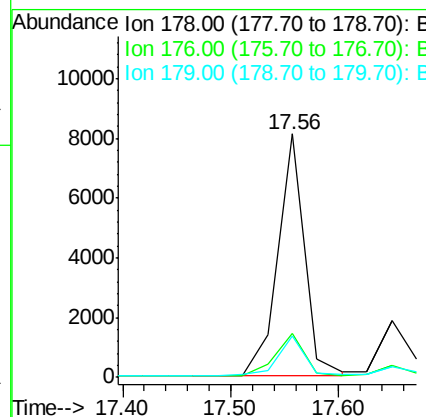
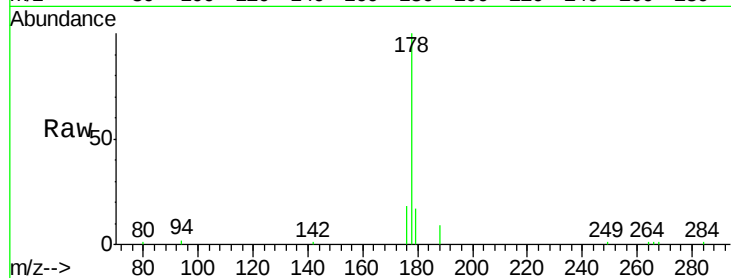
ClientSampleId :

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Tgt Ion:	178	Resp:	14123
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	16.2	16.0	24.0

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#22

Anthracene

Concen: 0.25 ng

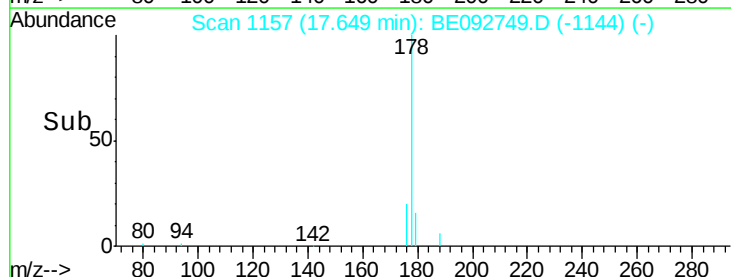
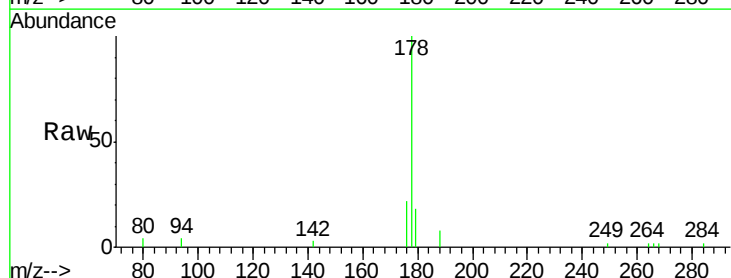
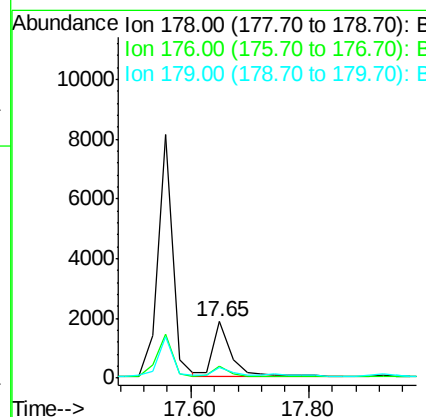
RT: 17.65 min Scan# 1157

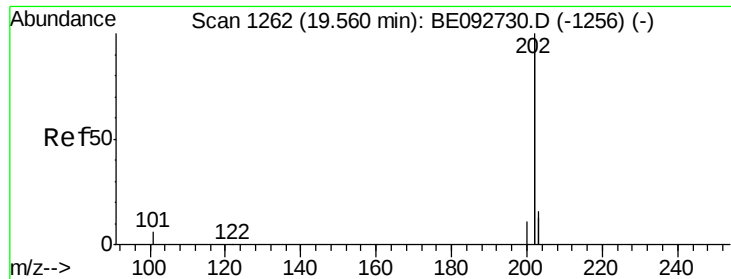
Delta R.T. 0.00 min

Lab File: BE092749.D

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Tgt Ion:	178	Resp:	3957
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.0	22.4
179	14.0	12.2	18.2





#23

Fluoranthene

Concen: 2.78 ng

RT: 19.54 min Scan# 1262

Delta R.T. -0.02 min

Lab File: BE092749.D

Acq: 20 Feb 2017 16:01

Instrument :

BNA_E

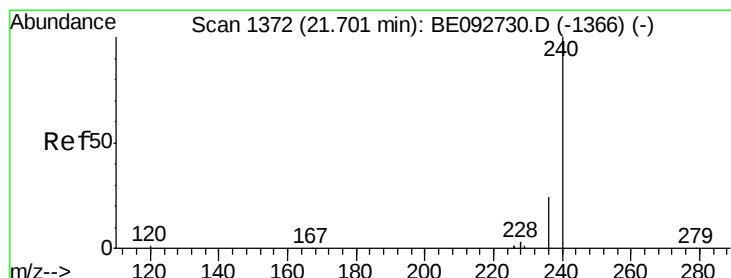
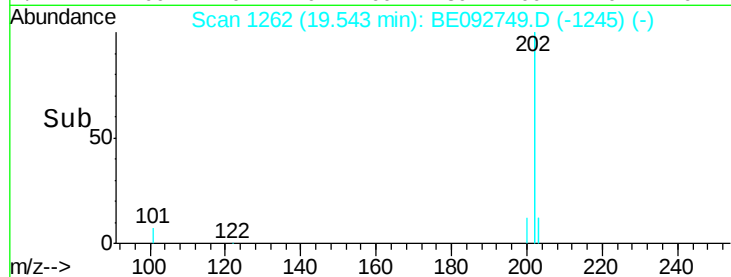
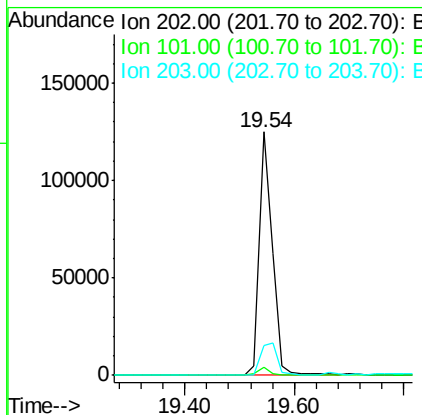
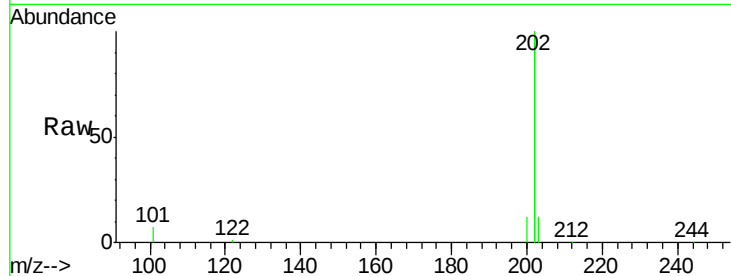
ClientSampleId :

SS050SS219(0-6)-170216

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	205927		
101	2.9		2.2	3.4
203	17.2		13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

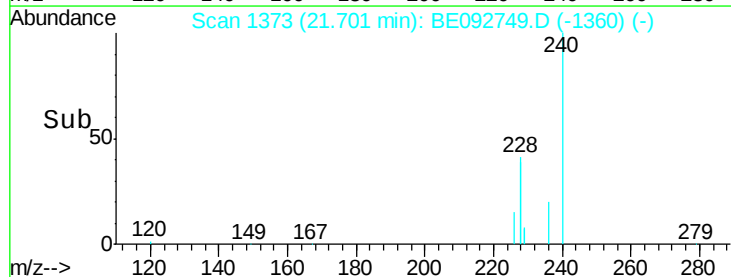
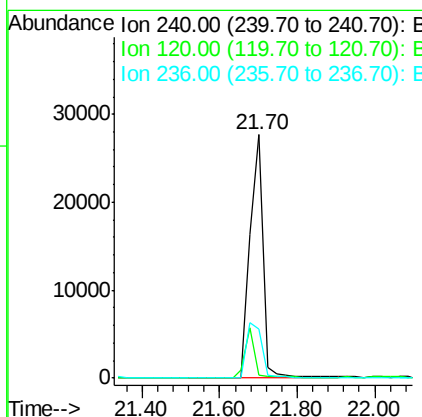
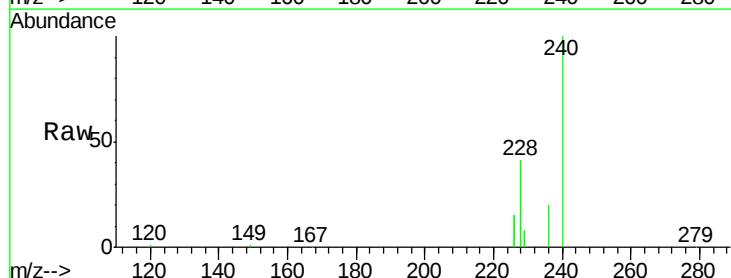
RT: 21.70 min Scan# 1373

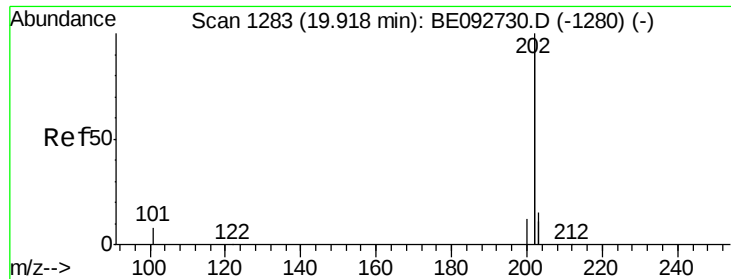
Delta R.T. 0.00 min

Lab File: BE092749.D

Acq: 20 Feb 2017 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	63382		
120	1.0		2.6	4.0#
236	20.2		24.6	37.0#





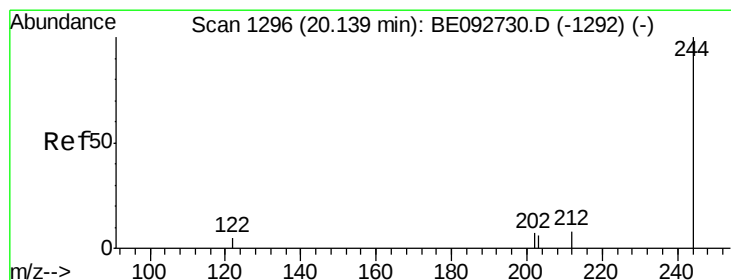
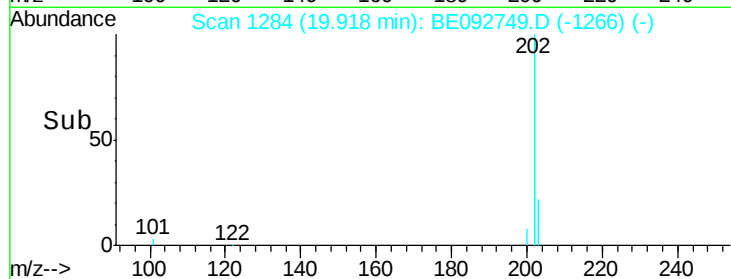
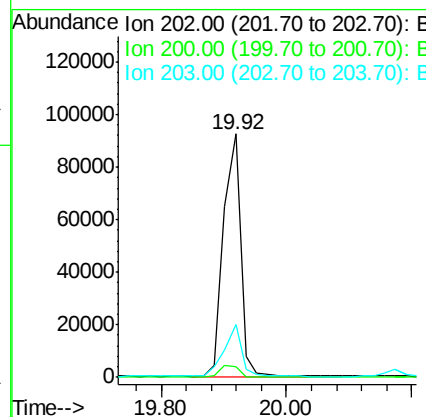
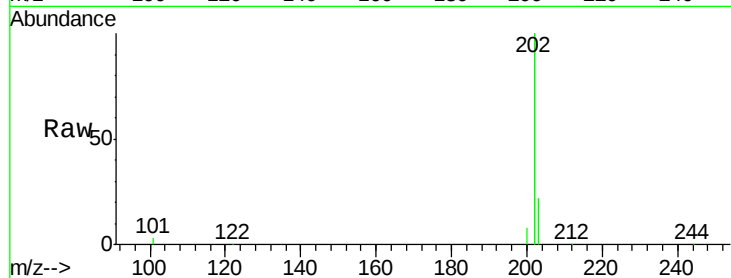
#25
 Pyrene
 Concen: 2.92 ng
 RT: 19.92 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: BE092749.D
 Acq: 20 Feb 2017 16:01

Instrument :
 BNA_E
 ClientSampleId :
 SS050SS219(0-6)-170216

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	176191		
200	5.4	4.2	6.4	
203	21.7	13.9	20.9#	

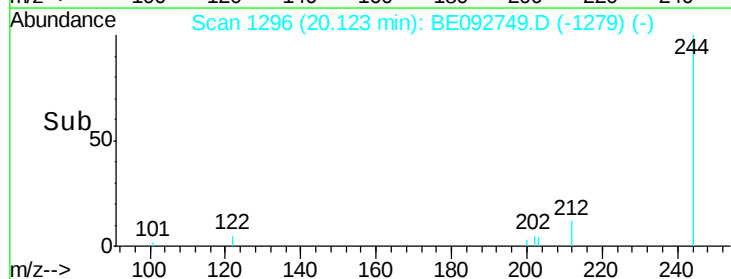
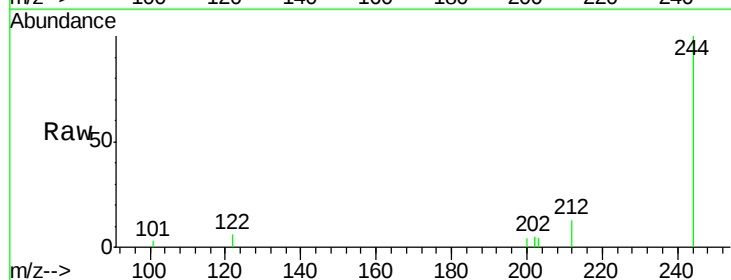
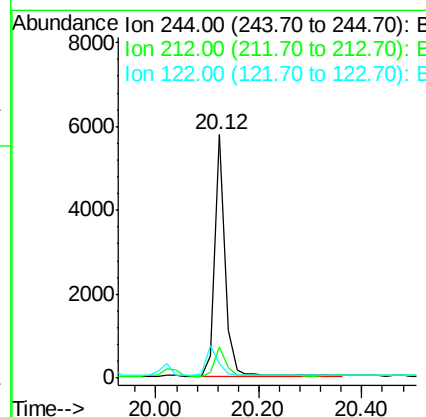
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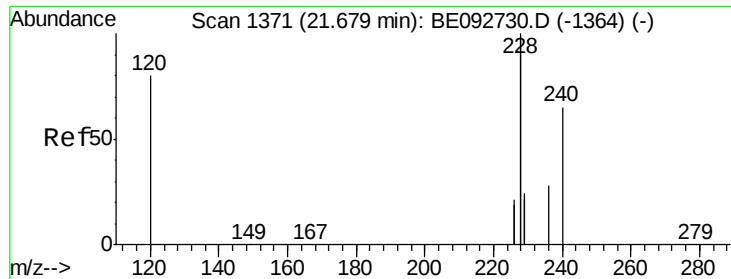
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#26
 Terphenyl-d14
 Concen: 0.97 ng
 RT: 20.12 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BE092749.D
 Acq: 20 Feb 2017 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	7863		
212	12.5	6.7	10.1#	
122	6.1	3.6	5.4#	





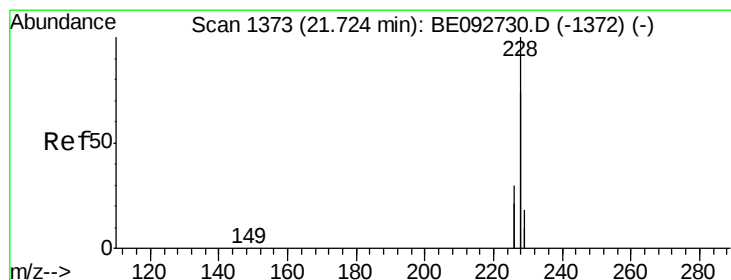
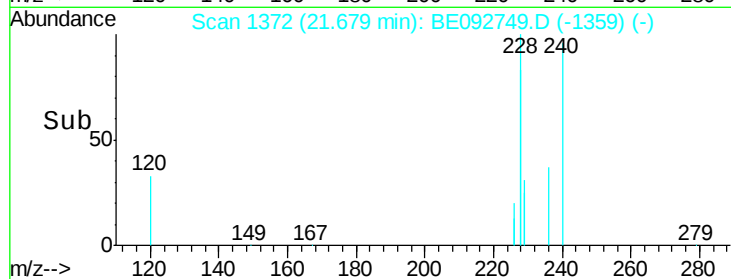
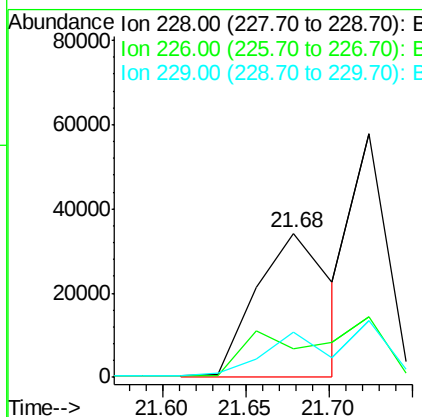
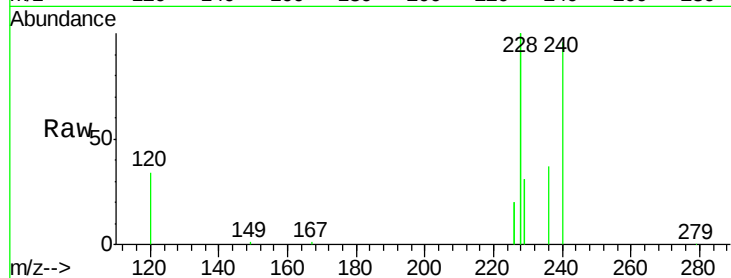
#27
Benzo(a)anthracene
Concen: 1.74 ng m
RT: 21.68 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE092749.D
Acq: 20 Feb 2017 16:01

Instrument :
BNA_E
ClientSampleId :
SS050SS219(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
228	100		
226	20.1	23.6	35.4#
229	31.3	13.3	19.9#

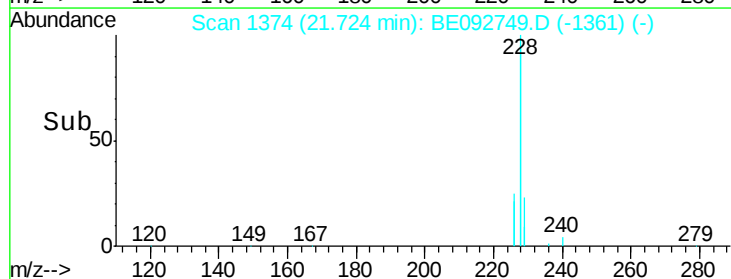
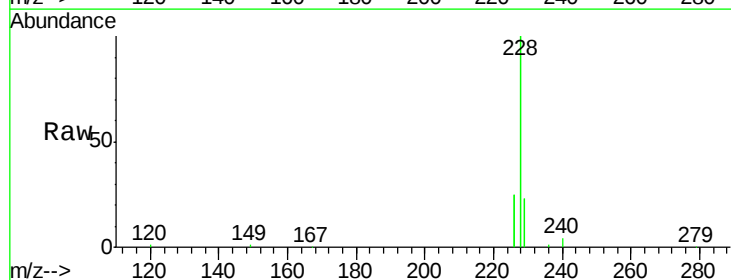
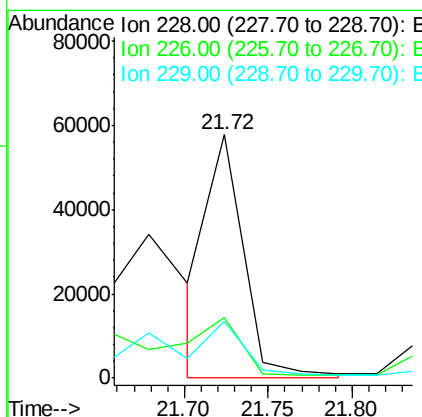
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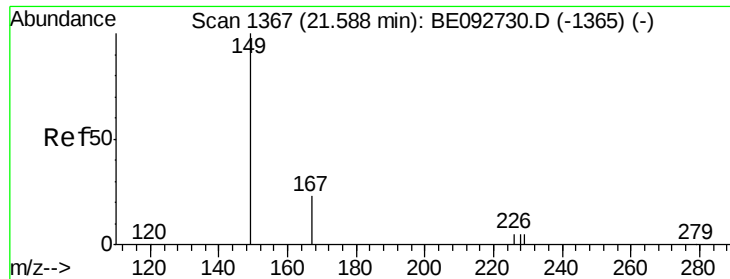
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#28
Chrysene
Concen: 1.19 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092749.D
Acq: 20 Feb 2017 16:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.9	36.3	54.5#
229	23.3	10.6	16.0#





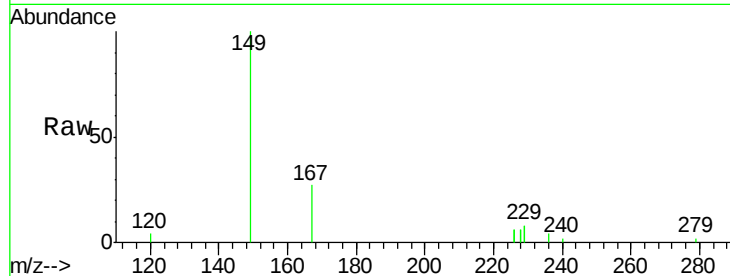
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.45 ng
 RT: 21.59 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE092749.D
 Acq: 20 Feb 2017 16:01

Instrument :
 BNA_E
 ClientSampleId :
 SS050SS219(0-6)-170216

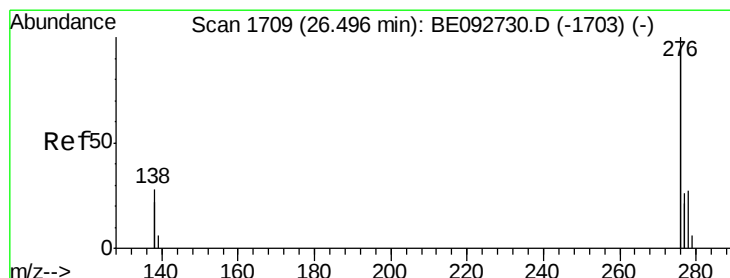
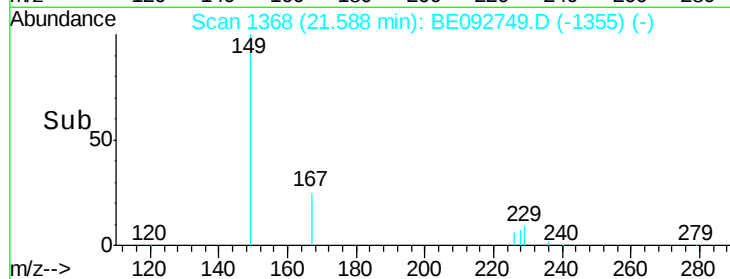
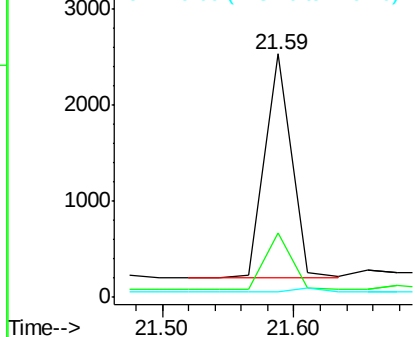
Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.0	16.0	24.0#
279	0.0	16.0	24.0#

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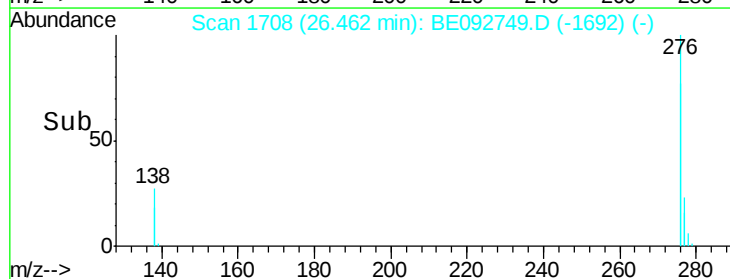
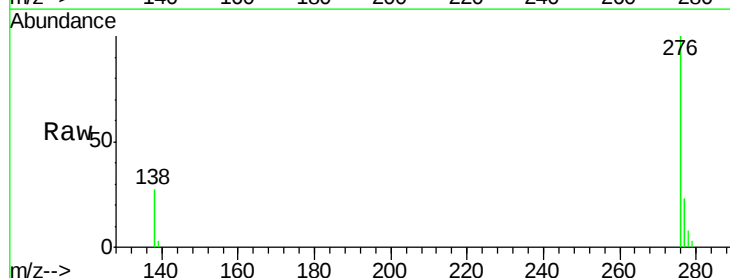
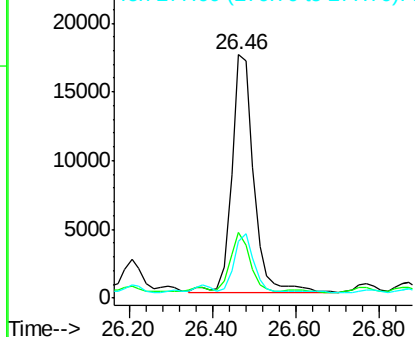
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

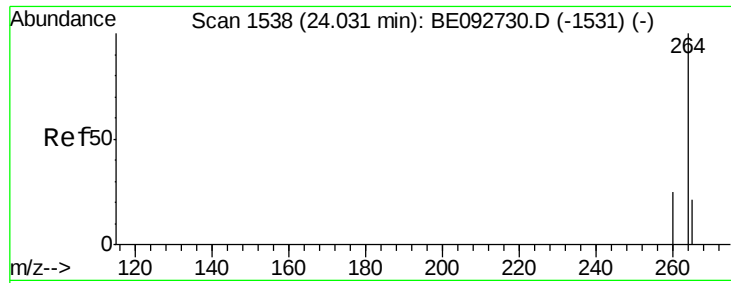


#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.86 ng
 RT: 26.46 min Scan# 1708
 Delta R.T. -0.03 min
 Lab File: BE092749.D
 Acq: 20 Feb 2017 16:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.3	30.5
277	22.5	19.7	29.5

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





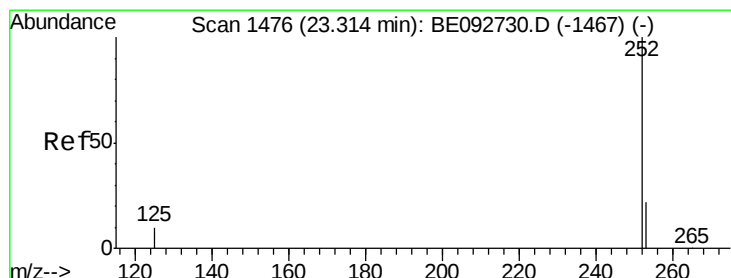
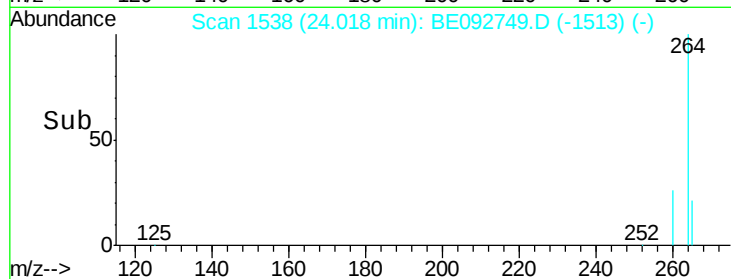
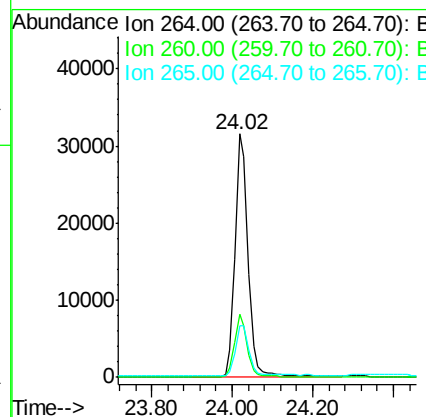
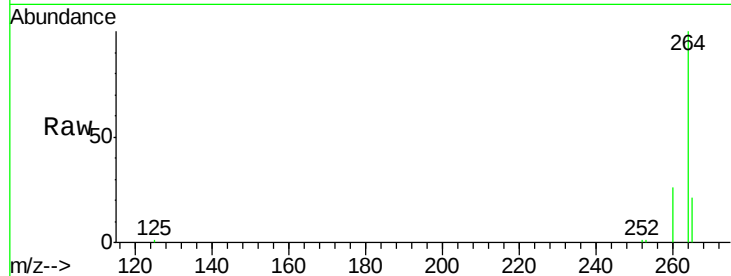
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.02 min Scan# 1538
 Delta R.T. -0.01 min
 Lab File: BE092749.D
 Acq: 20 Feb 2017 16:01

Instrument :
 BNA_E
 ClientSampleId :
 SS050SS219(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.1	30.1
265	21.1	17.9	26.9

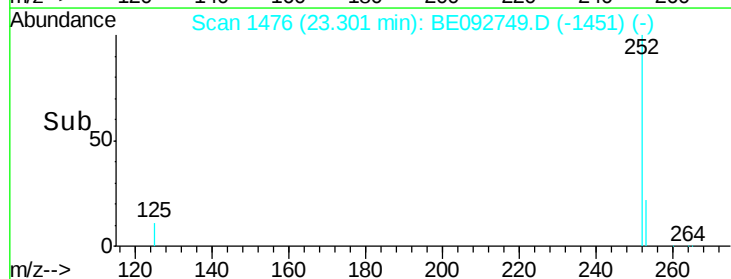
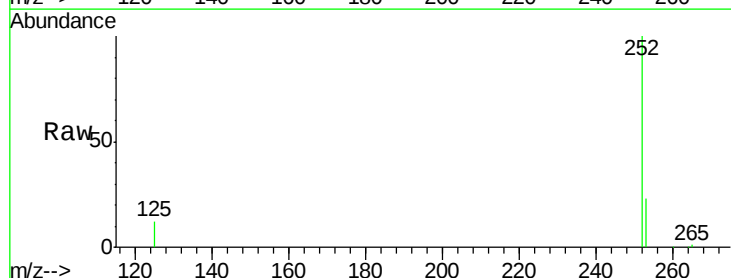
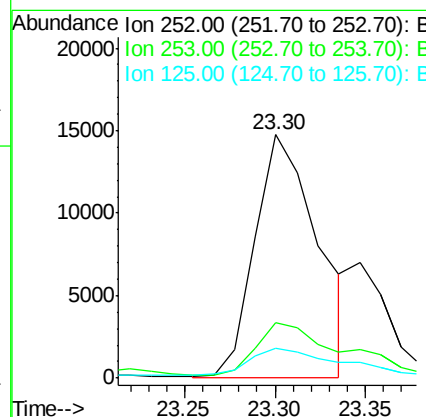
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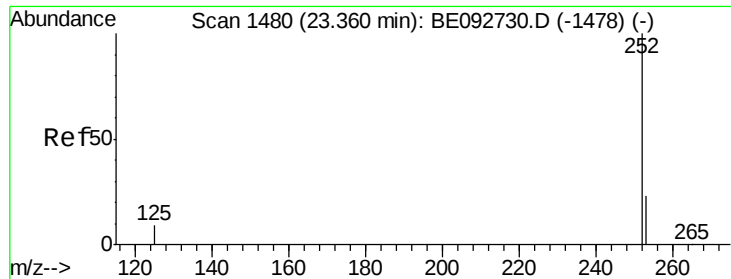
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#32
 Benzo(b)fluoranthene
 Concen: 1.97 ng m
 RT: 23.30 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BE092749.D
 Acq: 20 Feb 2017 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	12.4	10.5	15.7





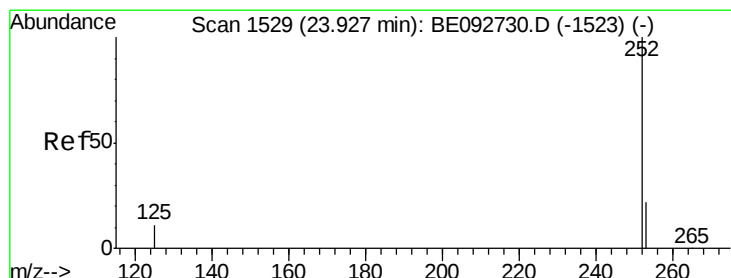
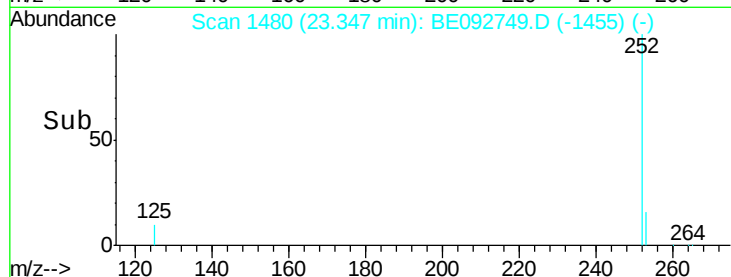
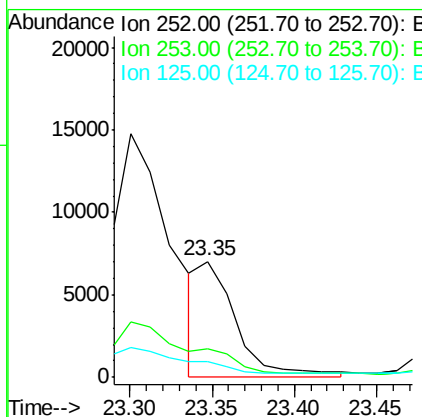
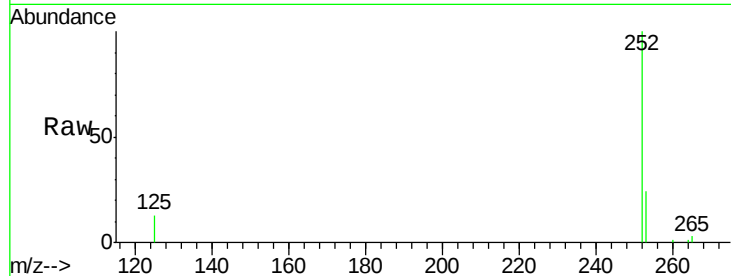
#33
Benzo(k)fluoranthene
Concen: 0.57 ng m
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092749.D
Acq: 20 Feb 2017 16:01

Instrument :
BNA_E
ClientSampleId :
SS050SS219(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.3	30.5
125	13.1	9.6	14.4

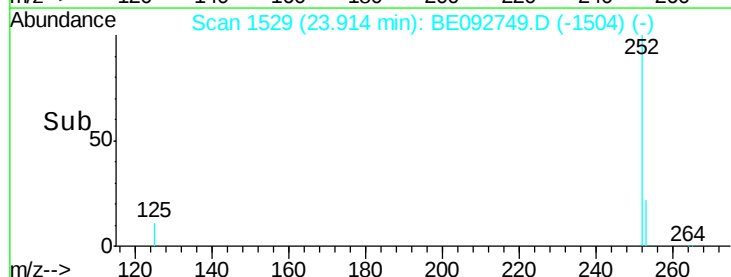
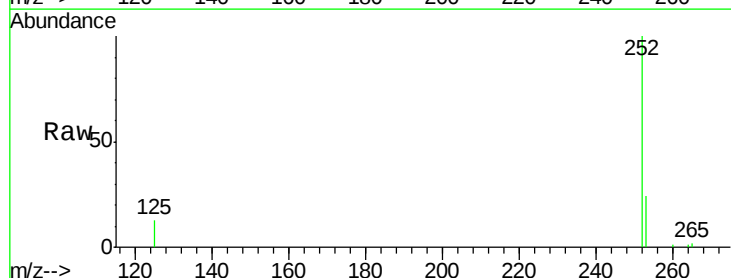
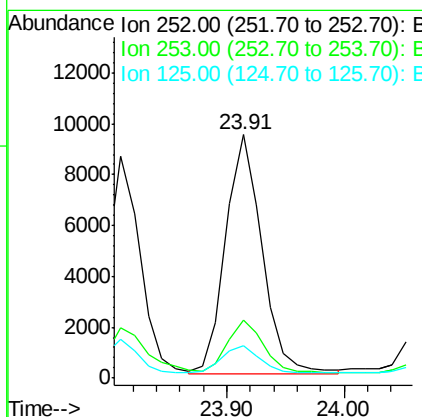
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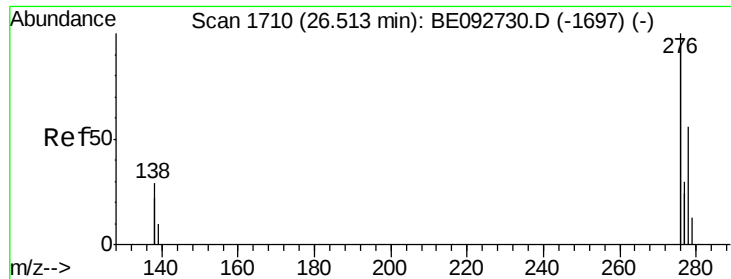
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#34
Benzo(a)pyrene
Concen: 1.12 ng
RT: 23.91 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BE092749.D
Acq: 20 Feb 2017 16:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.0	28.6
125	13.4	11.8	17.8





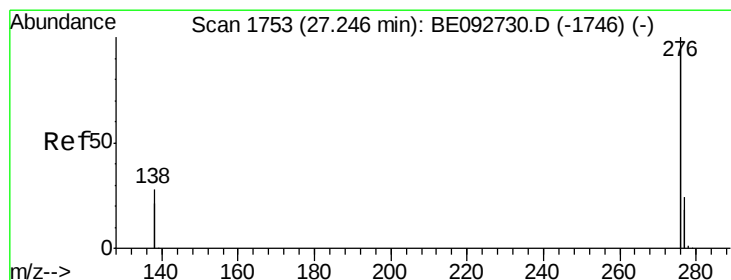
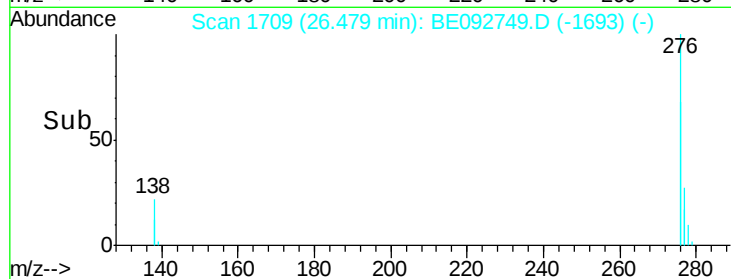
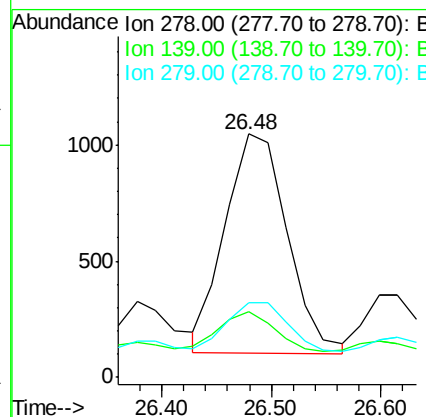
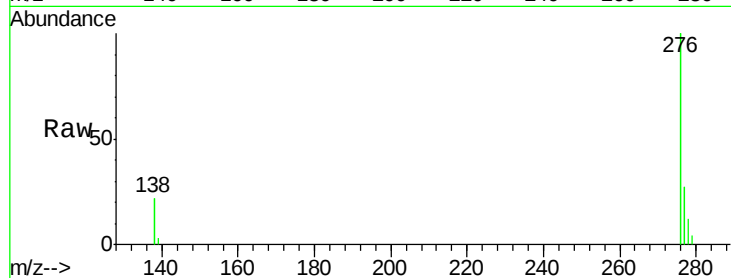
#35
Dibenzo(a,h)anthracene
Concen: 0.22 ng
RT: 26.48 min Scan# 1709
Delta R.T. -0.03 min
Lab File: BE092749.D
Acq: 20 Feb 2017 16:01

Instrument :
BNA_E
ClientSampleId :
SS050SS219(0-6)-170216

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.9	13.8	20.8#
279	30.8	21.4	32.2

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#36
Benzo(g,h,i)perylene
Concen: 0.86 ng
RT: 27.23 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BE092749.D
Acq: 20 Feb 2017 16:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.8
138	23.6	19.8	29.6

