

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088450.D
 Acq On : 1 Nov 2014 7:32
 Operator : TP/JJ
 Sample : F4379-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB36-1014

Manual Integrations
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Quant Time: Nov 02 04:29:26 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:42:07 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	28776	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	108537	5.00	ng	0.00
7) Acenaphthene-d10	10.80	164	51753	5.00	ng	0.01
12) Phenanthrene-d10	12.91	188	88126	5.00	ng	0.00
16) Chrysene-d12	18.33	240	37959	5.00	ng	0.02
22) Perylene-d12	21.39	264	35508	5.00	ng	0.02
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	470335	59.09	ng	0.02
8) 2-Fluorobiphenyl	10.00	172	517334	35.47	ng	0.01
18) Terphenyl-d14	16.10	244	325781	46.72	ng	0.03
Target Compounds						Qvalue
9) Acenaphthylene	10.63	152	4216	0.05	ng	# 89
11) Fluorene	11.50	166	364	0.03	ng	# 84
13) Phenanthrene	12.96	178	23264	0.29	ng	# 81
14) Anthracene	13.04	178	7574	0.12	ng	# 87
15) Fluoranthene	15.19	202	6739	0.52	ng	100
17) Pyrene	15.64	202	6702	0.54	ng	97
19) Benzo(a)anthracene	18.31	228	17568	0.49	ng	95
20) Chrysene	18.38	228	31618	0.90	ng	97
21) Indeno(1,2,3-cd)pyrene	23.58	276	29775m	0.91	ng	
23) Benzo(b)fluoranthene	20.64	252	13871	1.78	ng	# 94
24) Benzo(k)fluoranthene	20.69	252	4400	0.51	ng	# 90
25) Benzo(a)pyrene	21.27	252	7556	1.01	ng	# 93
26) Dibenzo(a,h)anthracene	23.66	278	1530	0.22	ng	# 65
27) Benzo(g,h,i)perylene	24.20	276	29735	0.93	ng	96

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

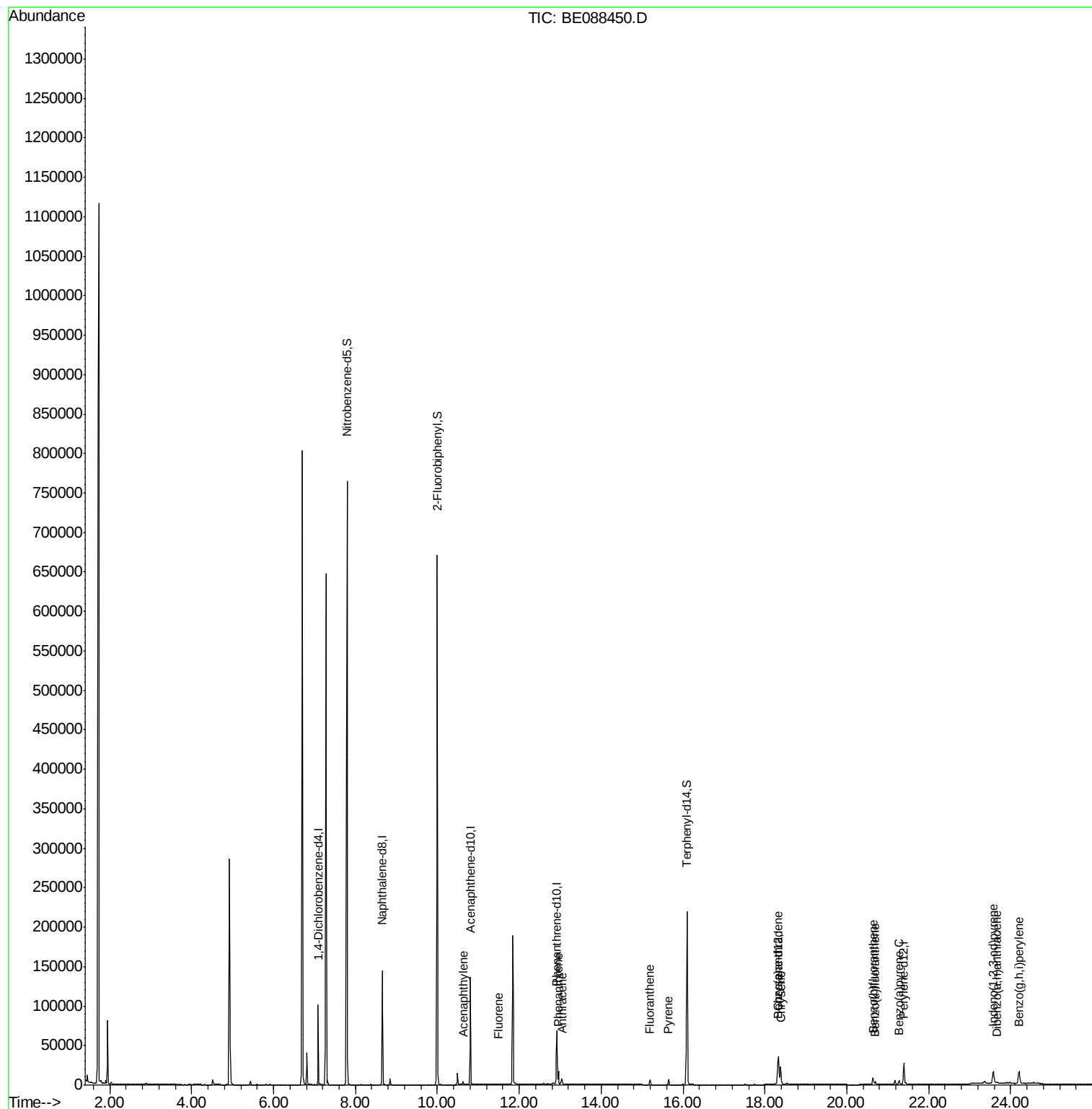
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088450.D
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QLast Update : Sat Nov 01 00:42:07 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE088450.D

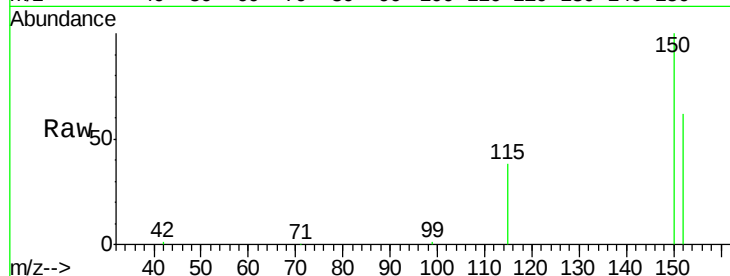
Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

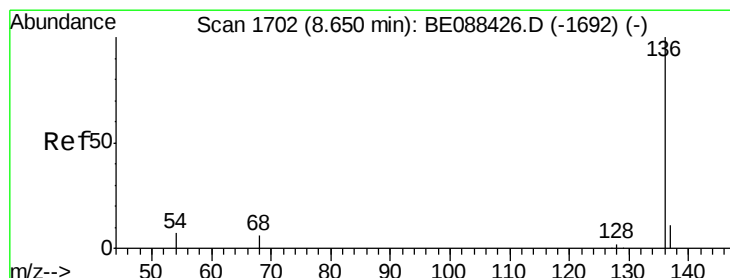
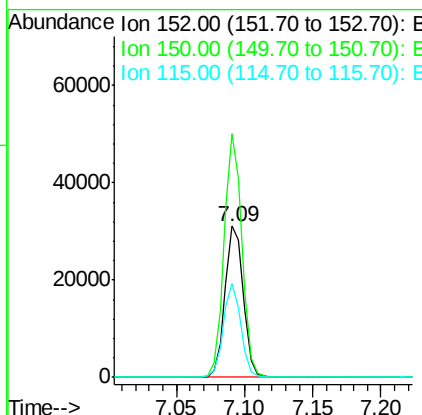
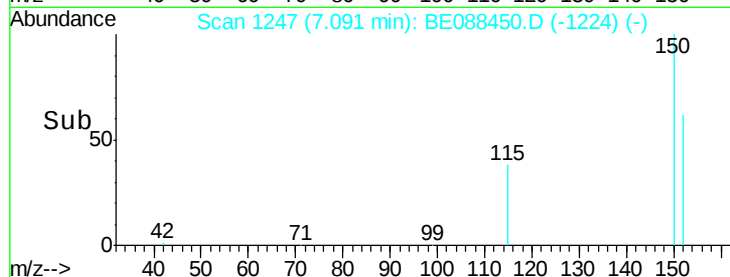
YS19-SB36-1014



Tgt Ion:	152	Resp:	28776
Ion Ratio	Lower	Upper	
152	100		
150	161.0	121.8	182.8
115	61.8	43.9	65.9

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#3

Naphthalene-d8

Concen: 5.00 ng

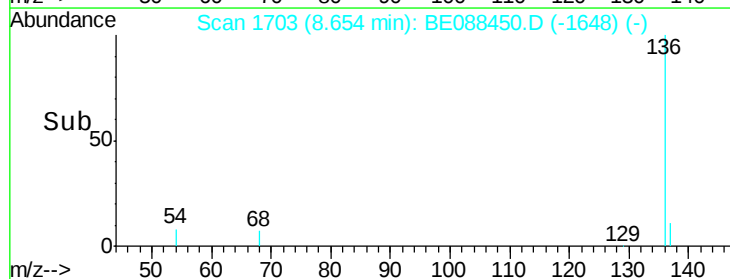
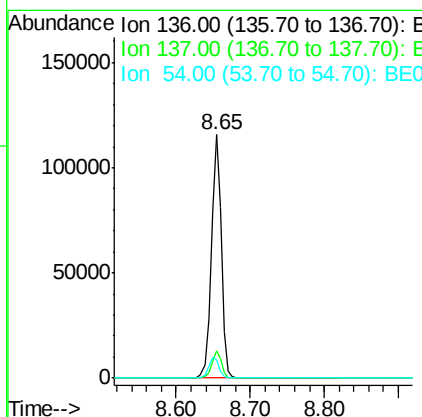
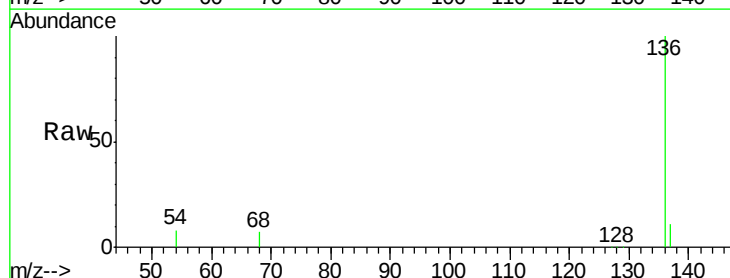
RT: 8.65 min Scan# 1703

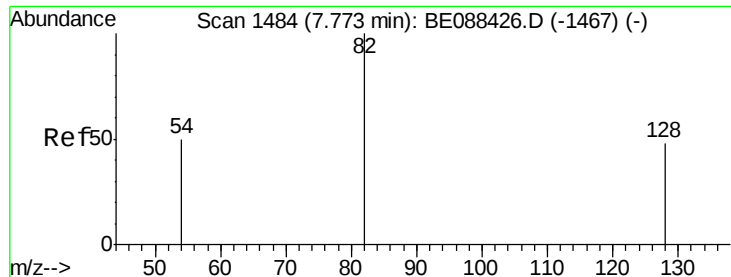
Delta R.T. 0.00 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Tgt Ion:	136	Resp:	108537
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	7.7	5.3	7.9





#4

Nitrobenzene-d5

Concen: 59.09 ng

RT: 7.79 min Scan# 1493

Delta R.T. 0.02 min

Lab File: BE088450.D

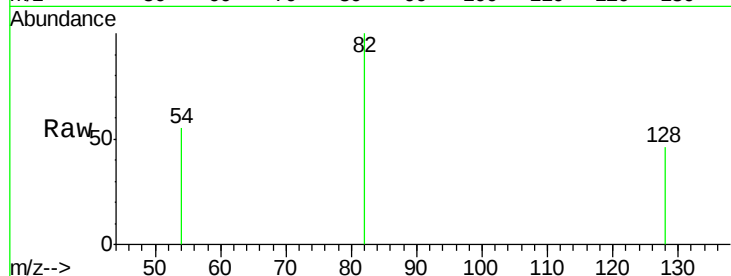
Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion: 82 Resp: 470335

Ion Ratio Lower Upper

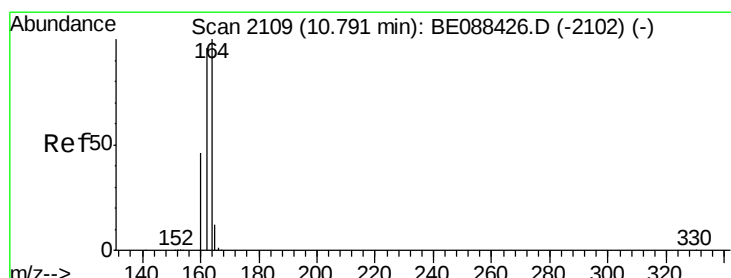
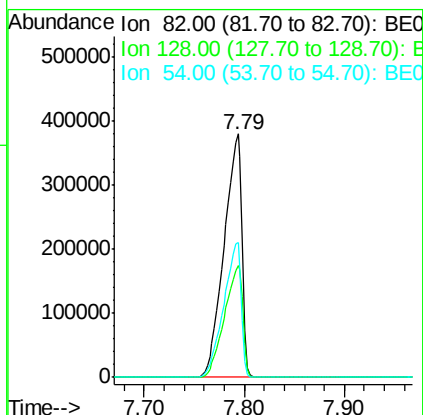
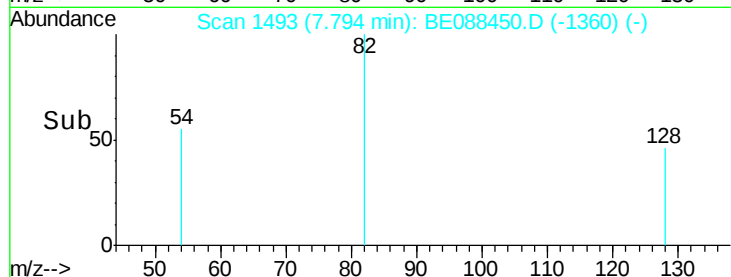
82 100

128 46.0 38.4 57.6

54 55.4 40.2 60.2

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.80 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

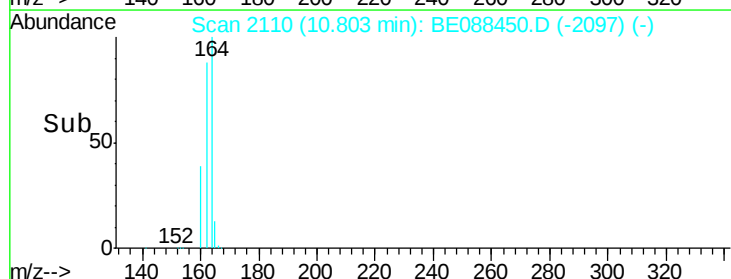
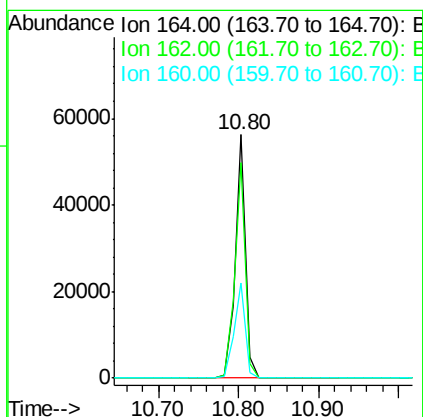
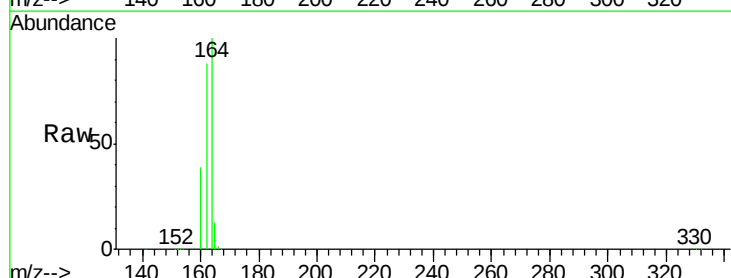
Tgt Ion: 164 Resp: 51753

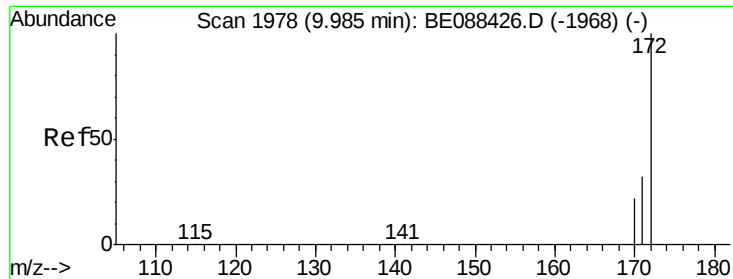
Ion Ratio Lower Upper

164 100

162 88.3 77.0 115.4

160 39.0 36.8 55.2





#8

2-Fluorobiphenyl

Concen: 35.47 ng

RT: 10.00 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BE088450.D

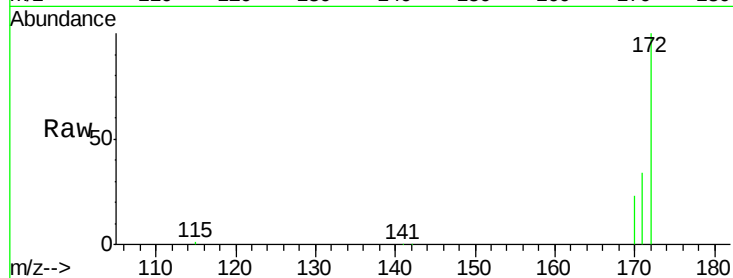
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Instrument :

BNA_E

ClientSampleId :

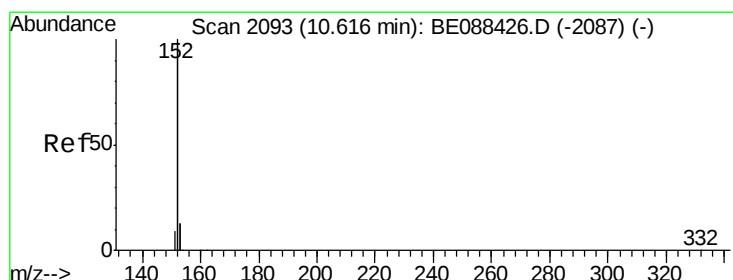
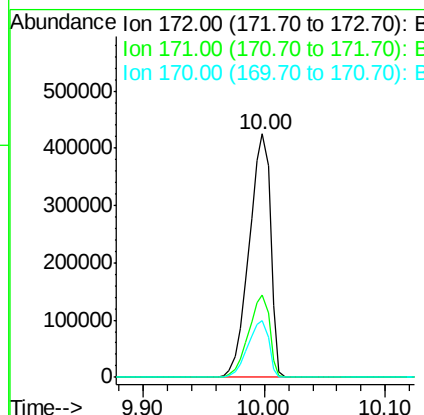
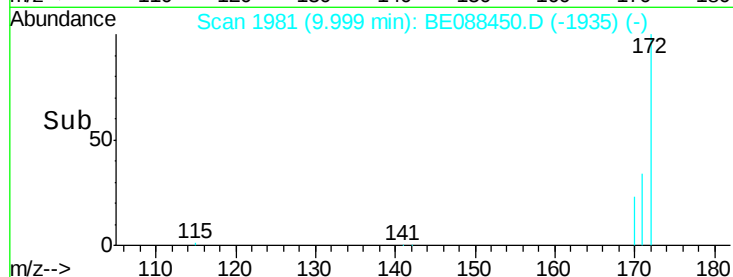
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Tgt Ion:	172	Resp:	517334
Ion Ratio	Lower	Upper	
172	100		
171	33.8	26.0	39.0
170	23.4	17.6	26.4

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#9

Acenaphthylene

Concen: 0.05 ng

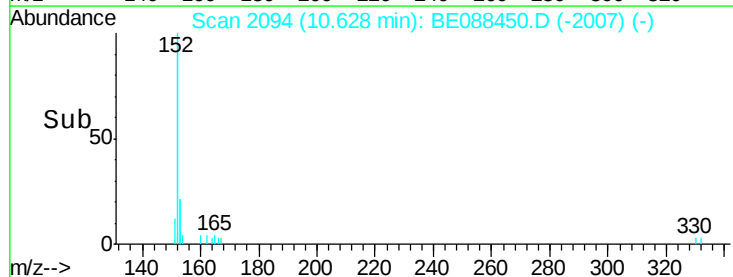
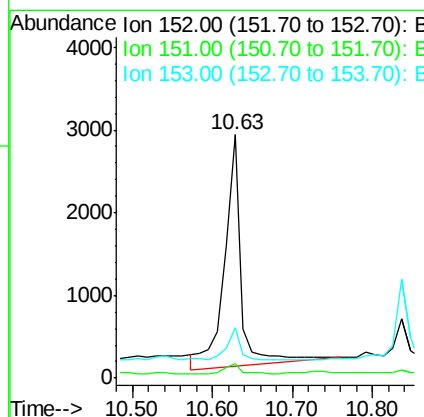
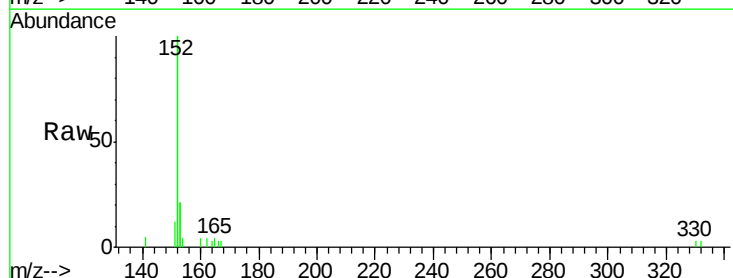
RT: 10.63 min Scan# 2094

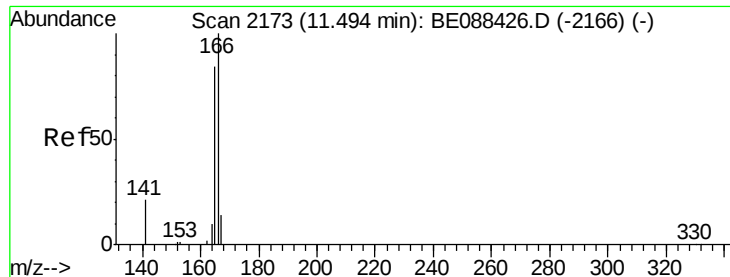
Delta R.T. 0.01 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Tgt Ion:	152	Resp:	4216
Ion Ratio	Lower	Upper	
152	100		
151	3.3	4.4	6.6#
153	18.2	10.5	15.7#





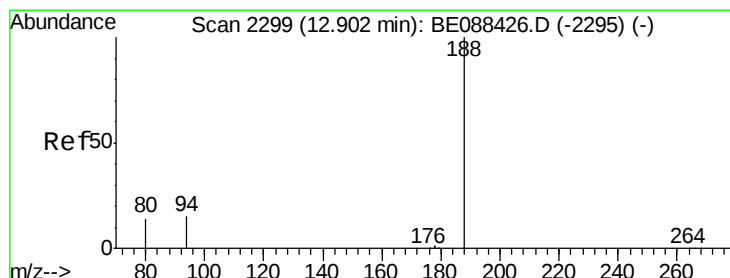
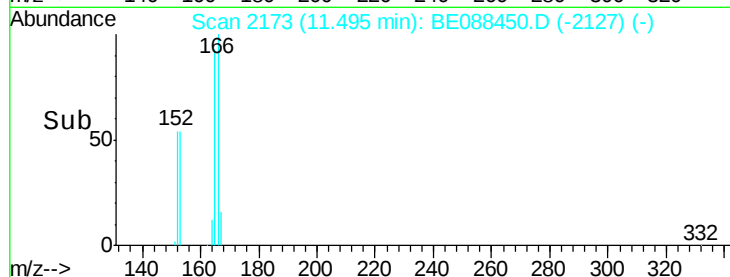
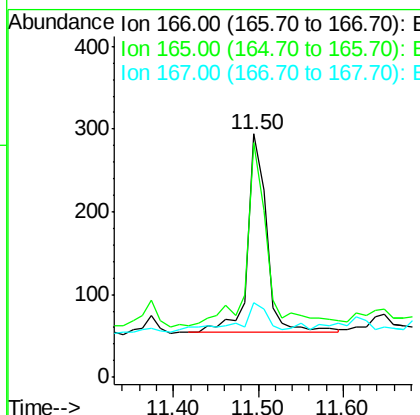
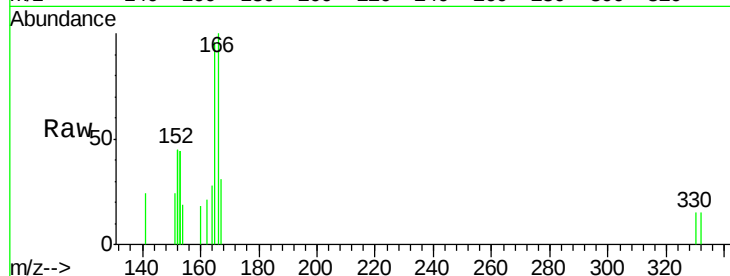
#11
Fluorene
 Concen: 0.03 ng
 RT: 11.50 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: BE088450.D
 Acq: 1 Nov 2014 7:32

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB36-1014

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.0	71.3	106.9
167	22.0	10.7	16.1#

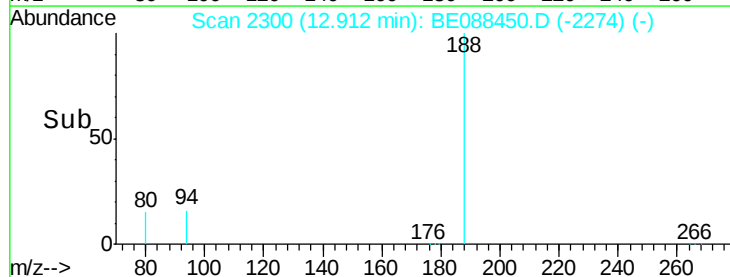
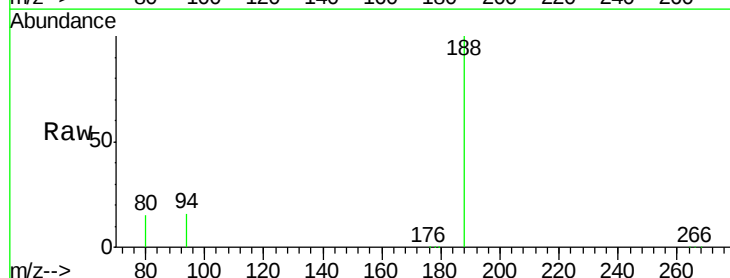
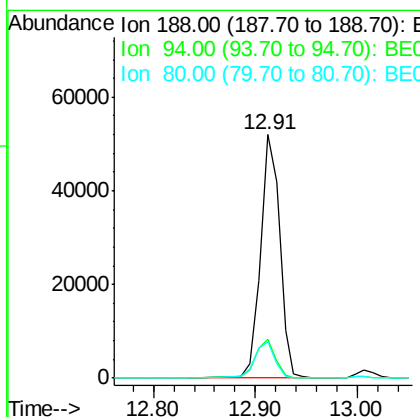
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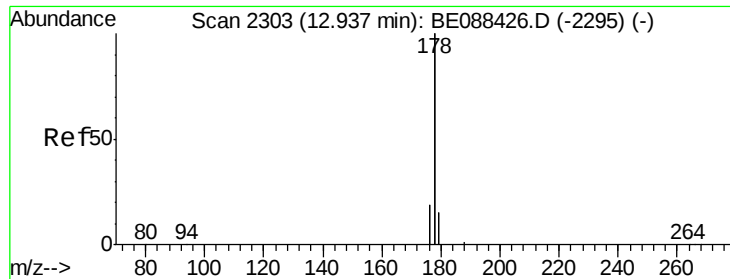
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.91 min Scan# 2300
 Delta R.T. 0.01 min
 Lab File: BE088450.D
 Acq: 1 Nov 2014 7:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.9	11.8	17.8
80	15.0	10.9	16.3





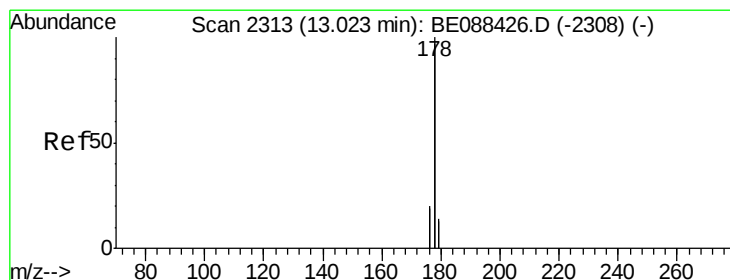
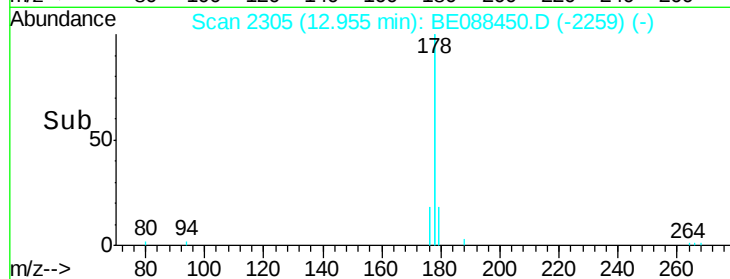
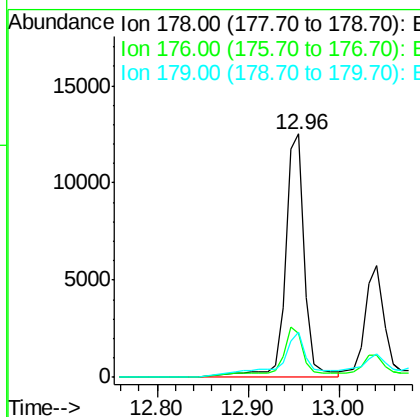
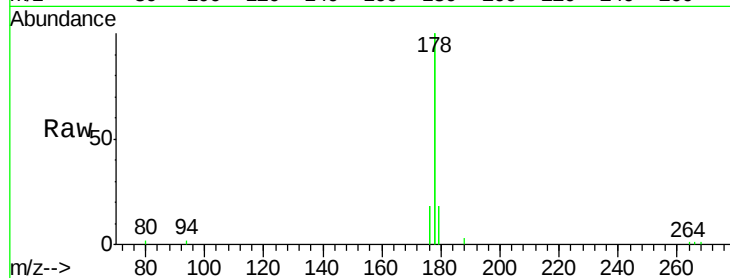
#13
Phenanthrene
Concen: 0.29 ng
RT: 12.96 min Scan# 2305
Delta R.T. 0.02 min
Lab File: BE088450.D
Acq: 1 Nov 2014 7:32

Instrument :
BNA_E
ClientSampleId :
YS19-SB36-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	25.5	15.4	23.2#
179	27.1	12.8	19.2#

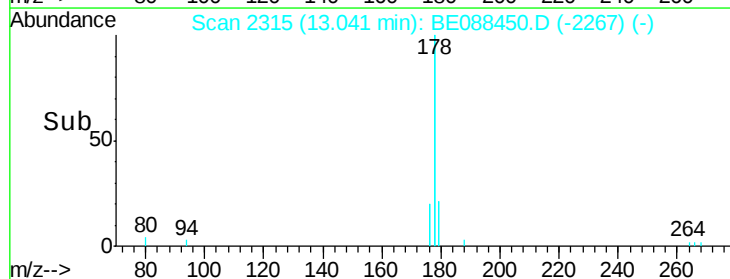
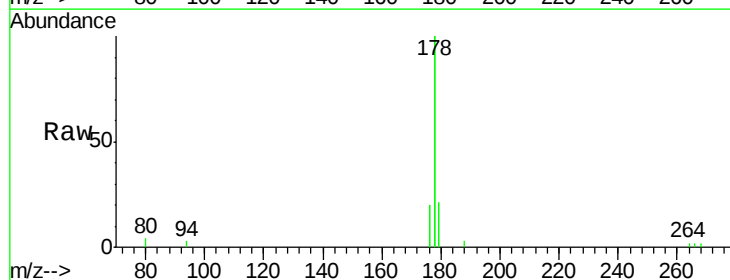
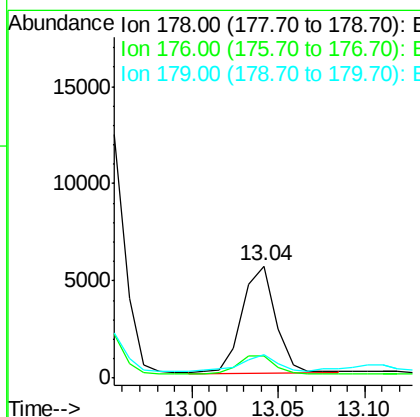
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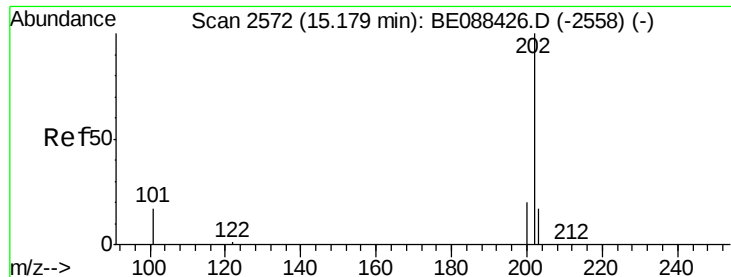
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#14
Anthracene
Concen: 0.12 ng
RT: 13.04 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BE088450.D
Acq: 1 Nov 2014 7:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.0	22.4
179	25.0	12.5	18.7#





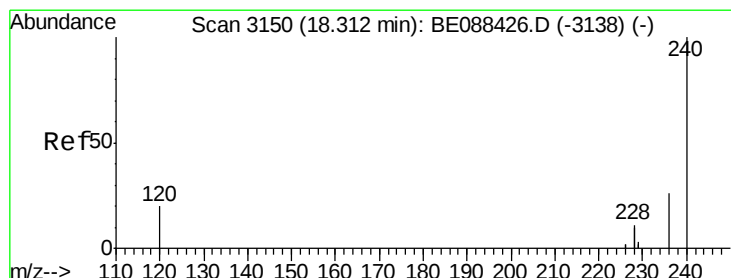
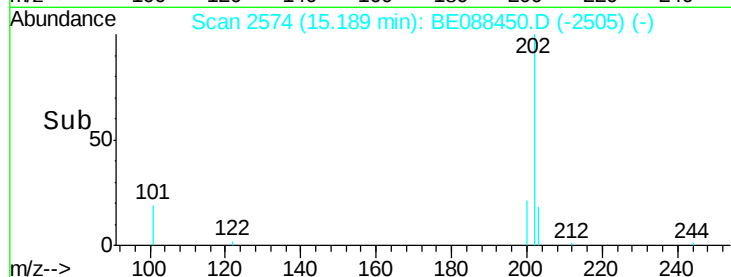
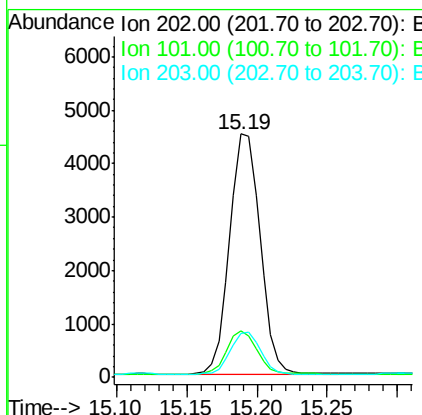
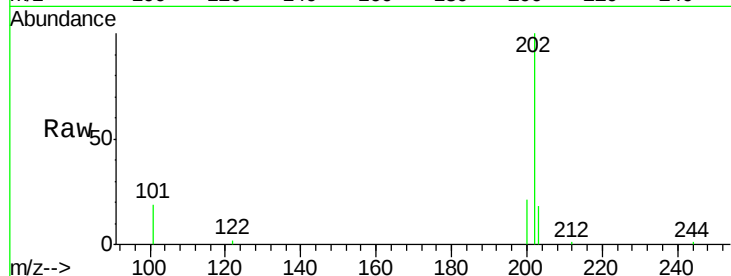
#15
 Fluoranthene
 Concen: 0.52 ng
 RT: 15.19 min Scan# 2574
 Delta R.T. 0.01 min
 Lab File: BE088450.D
 Acq: 1 Nov 2014 7:32

Instrument :
 BNA_E
 ClientSampleId :
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Tgt Ion:	202	Resp:	6739
Ion Ratio	Lower	Upper	
202	100		
101	18.0	14.3	21.5
203	17.0	13.6	20.4

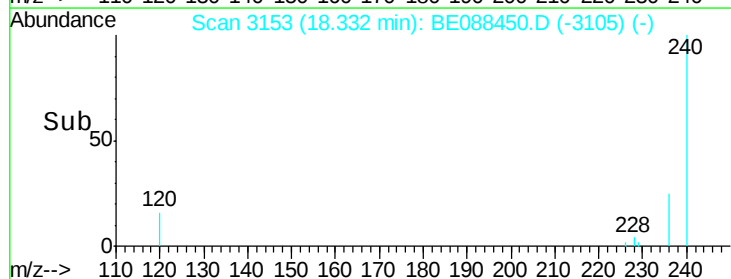
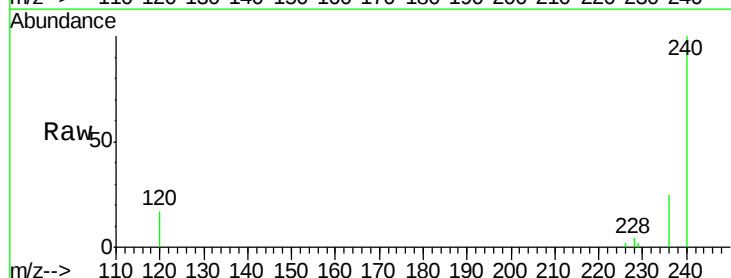
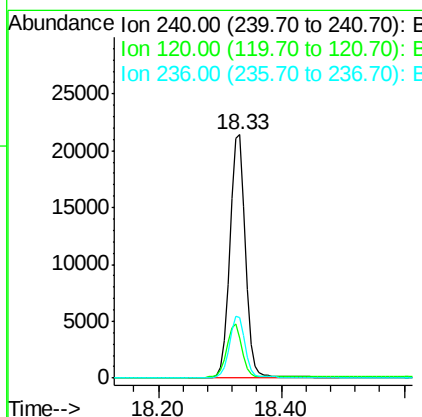
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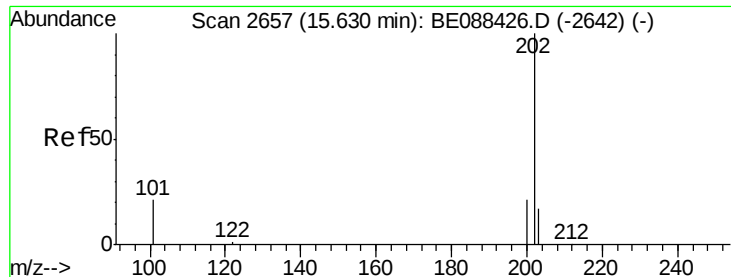
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.33 min Scan# 3153
 Delta R.T. 0.02 min
 Lab File: BE088450.D
 Acq: 1 Nov 2014 7:32

Tgt Ion:	240	Resp:	37959
Ion Ratio	Lower	Upper	
240	100		
120	16.6	16.4	24.6
236	25.0	20.5	30.7





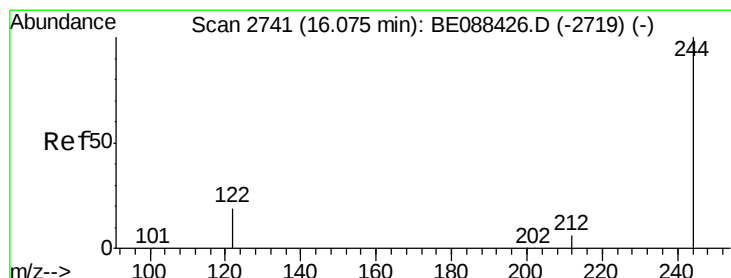
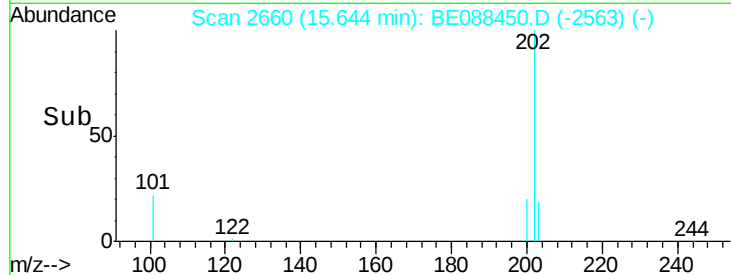
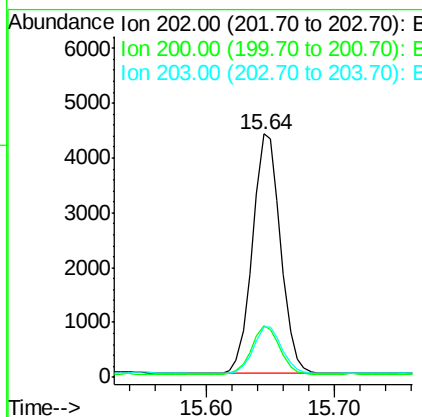
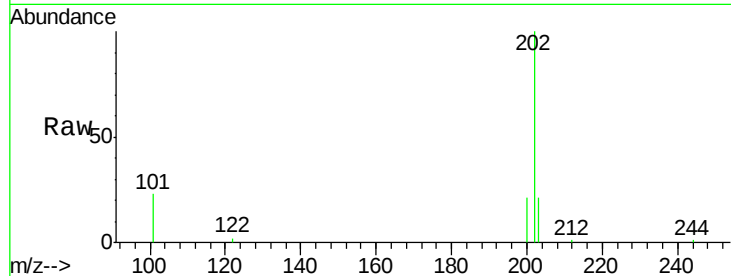
#17
 Pyrene
 Concen: 0.54 ng
 RT: 15.64 min Scan# 2660
 Delta R.T. 0.01 min
 Lab File: BE088450.D
 Acq: 1 Nov 2014 7:32

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB36-1014

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	6702		
200	20.2	16.1	24.1	
203	20.0	13.8	20.8	

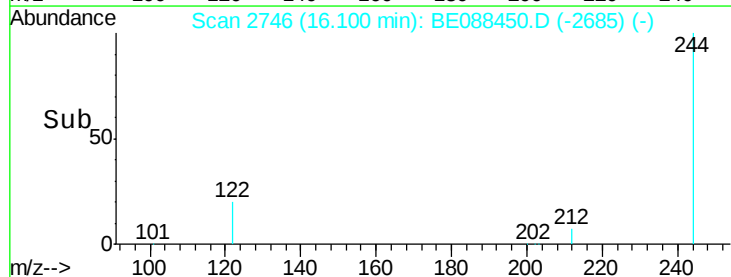
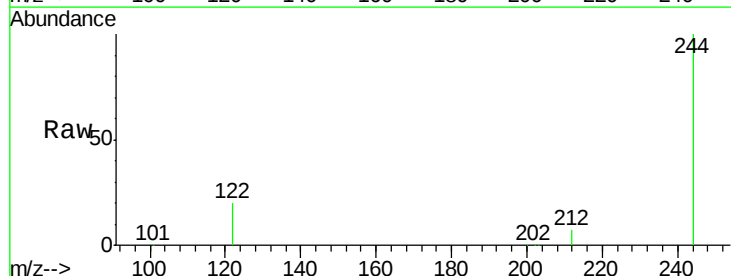
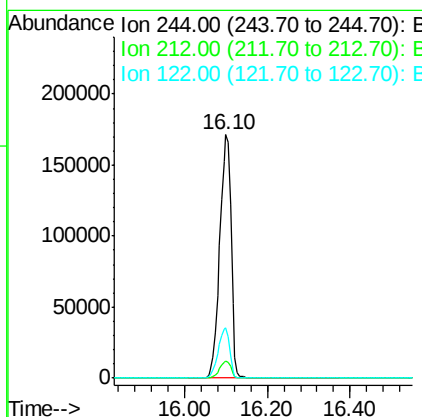
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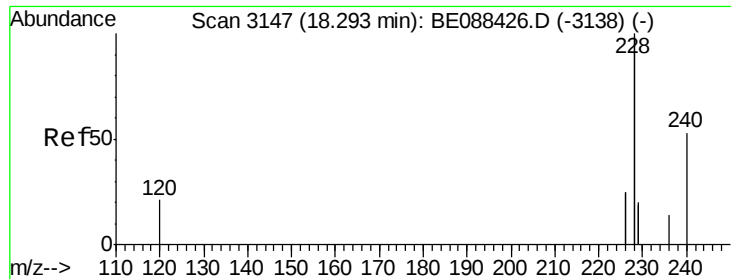
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#18
 Terphenyl-d14
 Concen: 46.72 ng
 RT: 16.10 min Scan# 2746
 Delta R.T. 0.03 min
 Lab File: BE088450.D
 Acq: 1 Nov 2014 7:32

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	325781		
212	7.2	5.5	8.3	
122	20.4	15.6	23.4	





#19

Benzo(a)anthracene

Concen: 0.49 ng

RT: 18.31 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BE088450.D

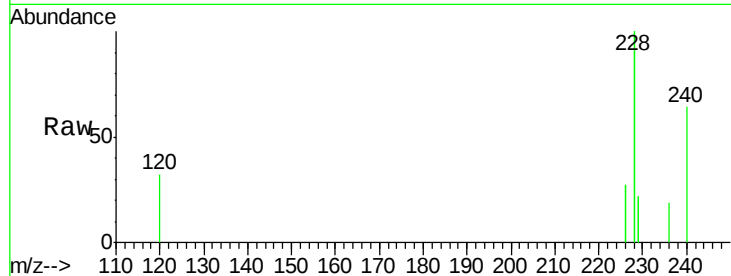
Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

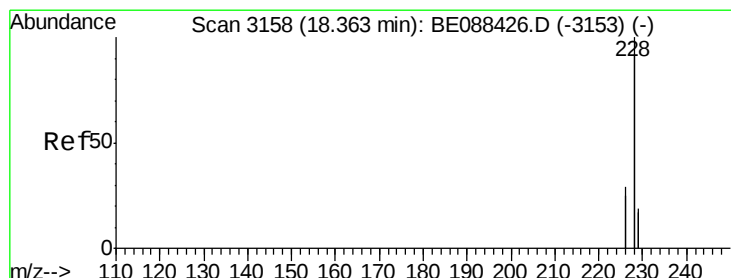
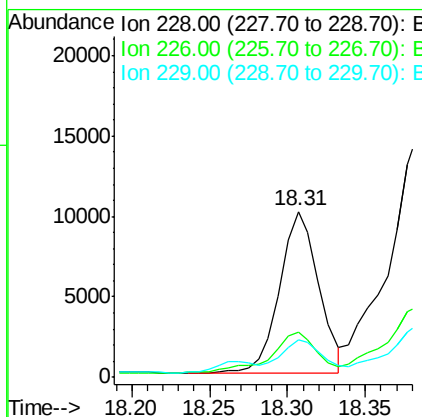
YS19-SB36-1014



Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.4	19.8	29.6
229	22.5	16.0	24.0

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#20

Chrysene

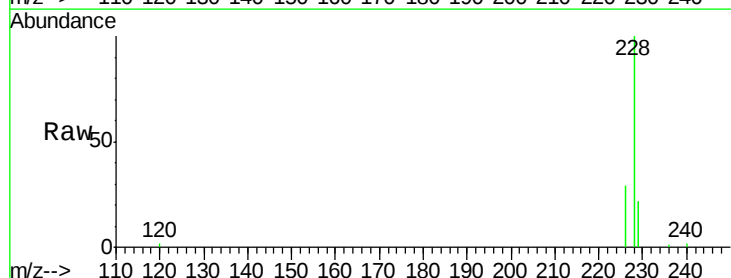
Concen: 0.90 ng

RT: 18.38 min Scan# 3161

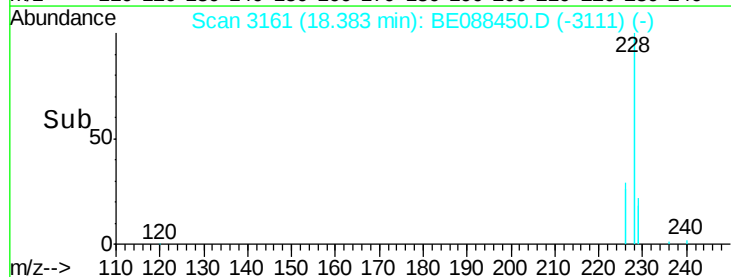
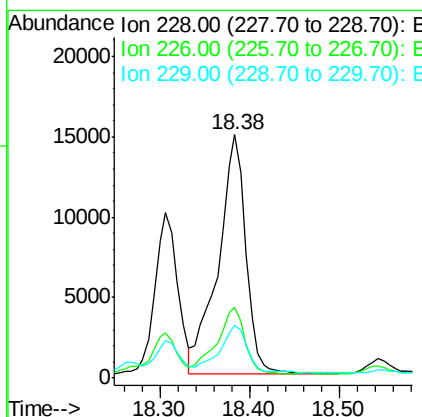
Delta R.T. 0.02 min

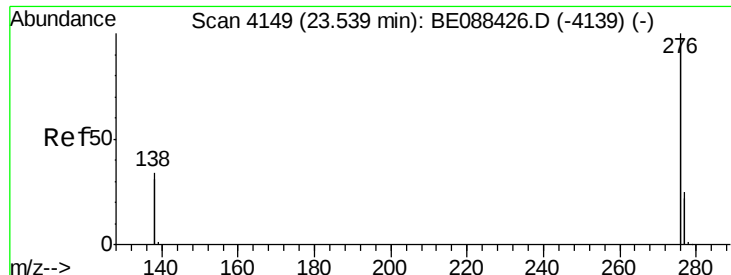
Lab File: BE088450.D

Acq: 1 Nov 2014 7:32



Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.6	35.4
229	21.9	15.4	23.2





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.91 ng m

RT: 23.58 min Scan# 4155

Delta R.T. 0.04 min

Lab File: BE088450.D

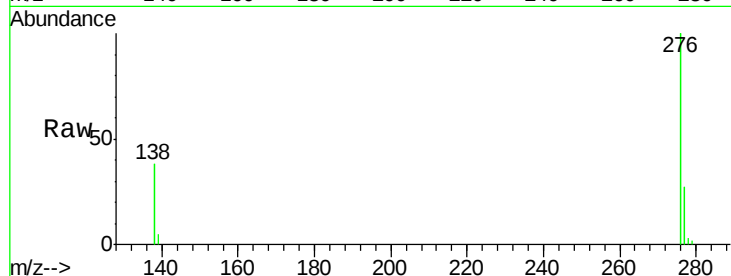
Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

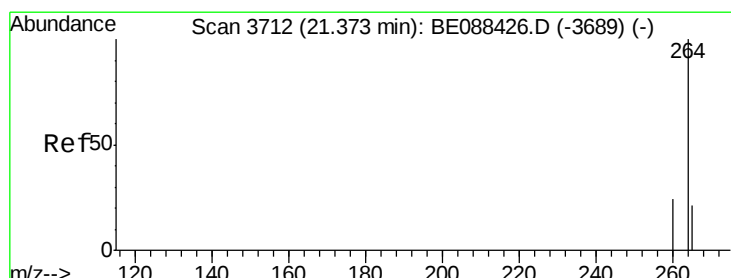
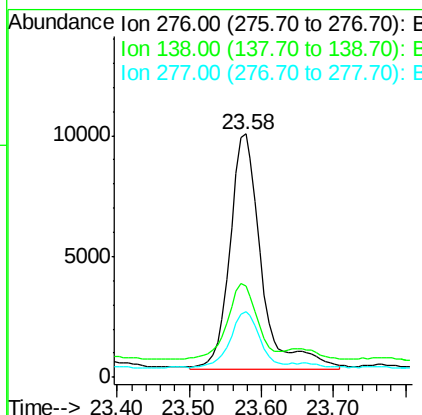
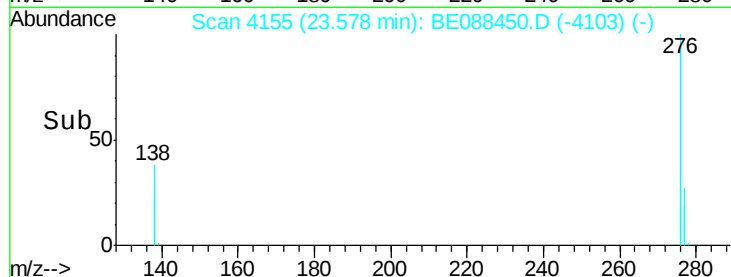
YS19-SB36-1014



Tgt Ion:	276	Resp:	29775
Ion Ratio	Lower	Upper	
276	100		
138	31.0	20.2	30.2#
277	22.1	14.8	22.2

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#22

Perylene-d12

Concen: 5.00 ng

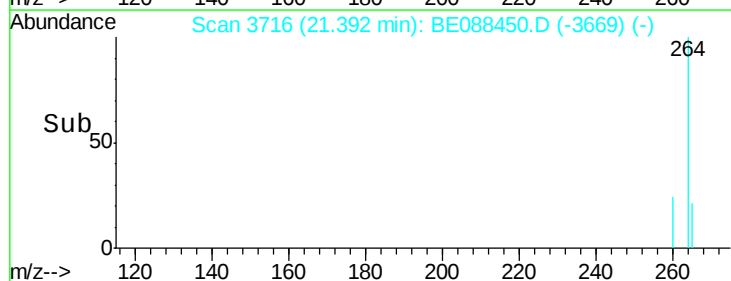
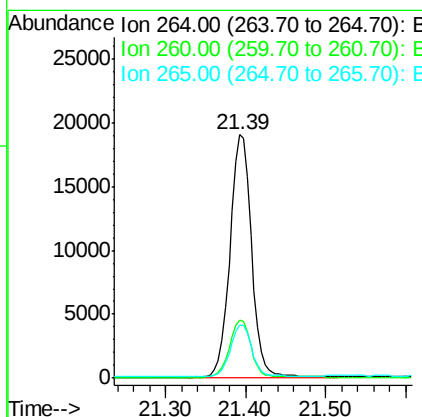
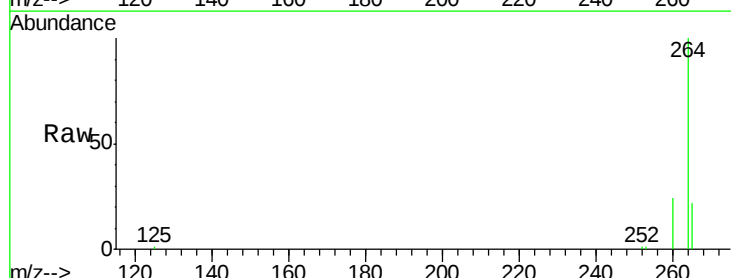
RT: 21.39 min Scan# 3716

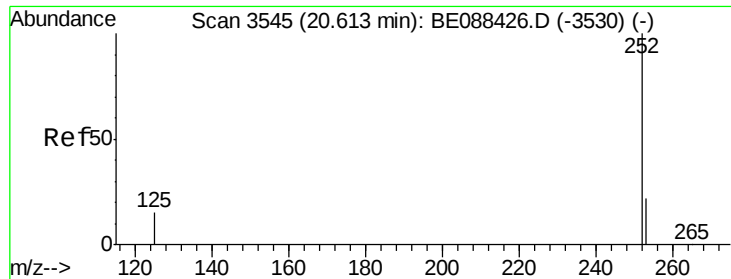
Delta R.T. 0.02 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Tgt Ion:	264	Resp:	35508
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.9	28.3
265	21.6	17.2	25.8





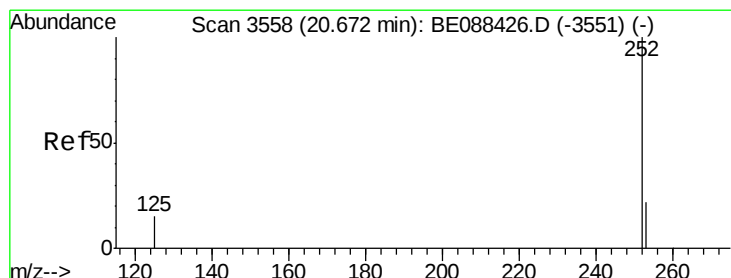
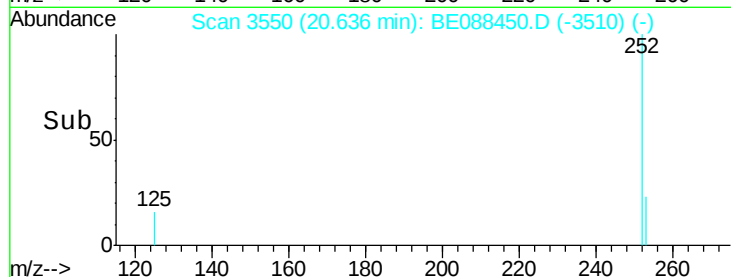
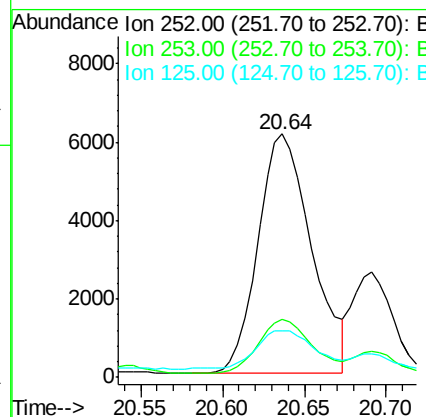
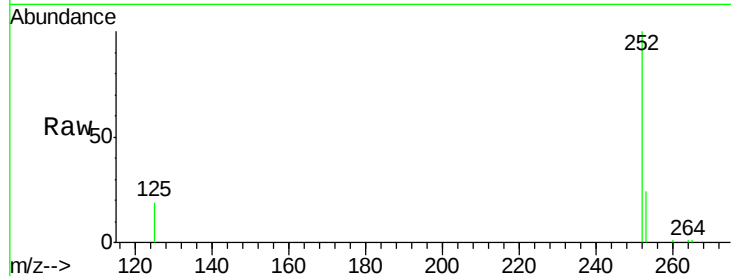
#23
Benzo(b)fluoranthene
Concen: 1.78 ng
RT: 20.64 min Scan# 3550
Delta R.T. 0.02 min
Lab File: BE088450.D
Acq: 1 Nov 2014 7:32

Instrument :
BNA_E
ClientSampleId :
YS19-SB36-1014

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	19.3	12.3	18.5

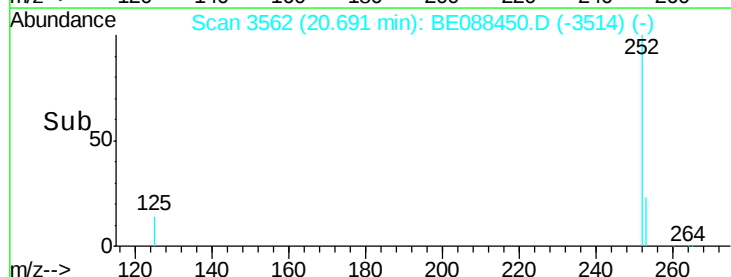
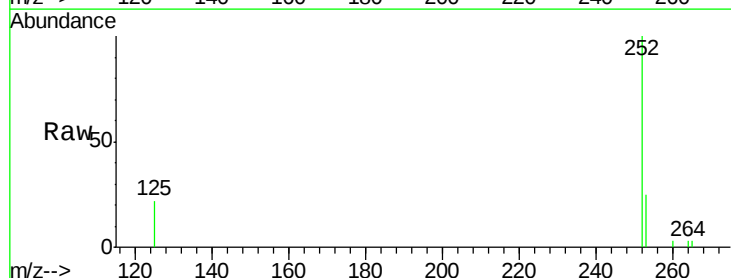
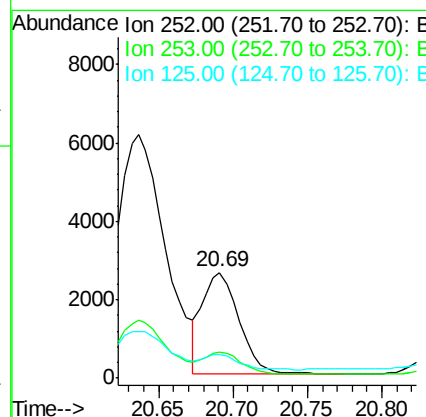
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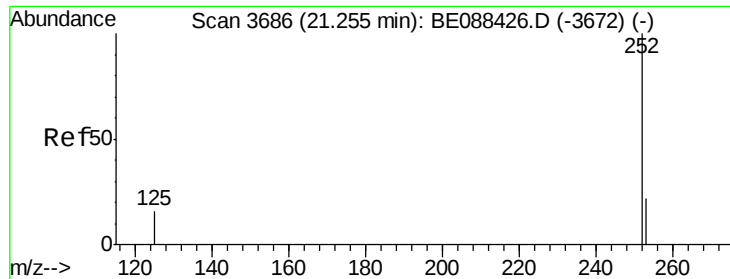
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#24
Benzo(k)fluoranthene
Concen: 0.51 ng
RT: 20.69 min Scan# 3562
Delta R.T. 0.02 min
Lab File: BE088450.D
Acq: 1 Nov 2014 7:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.8
125	22.2	12.2	18.4





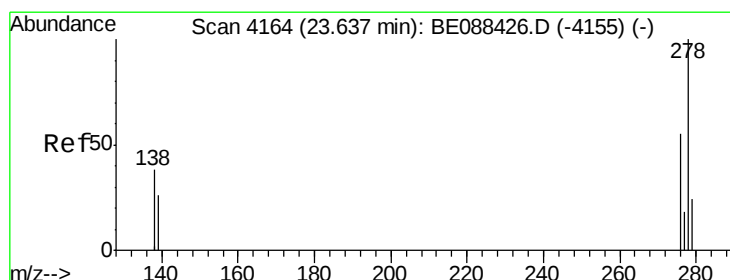
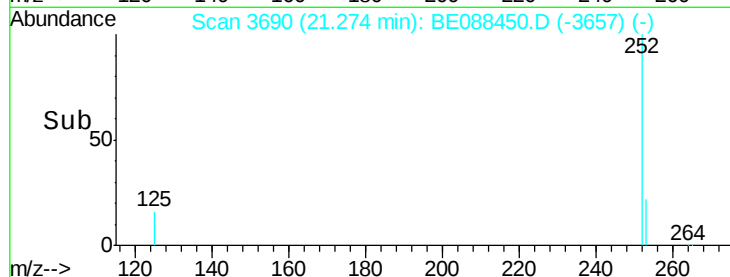
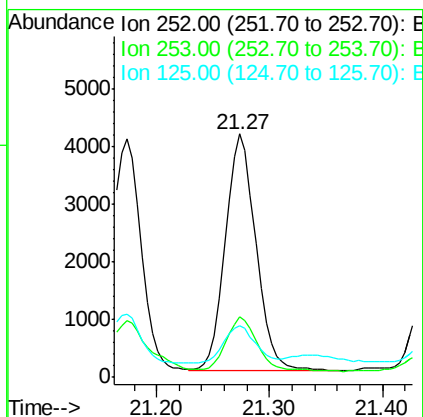
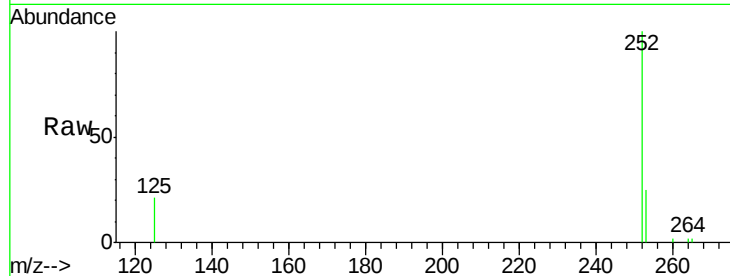
#25
Benzo(a)pyrene
Concen: 1.01 ng
RT: 21.27 min Scan# 3690
Delta R.T. 0.02 min
Lab File: BE088450.D
Acq: 1 Nov 2014 7:32

Instrument :
BNA_E
ClientSampleId :
YS19-SB36-1014

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.4
125	21.4	13.7	20.5

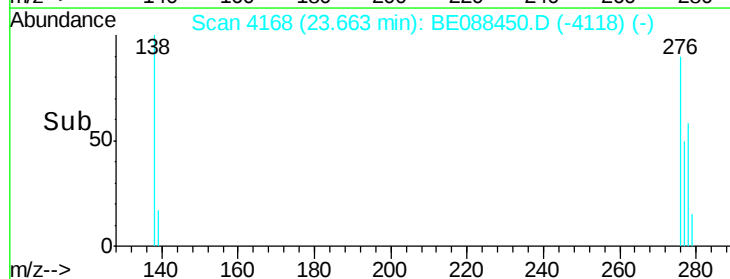
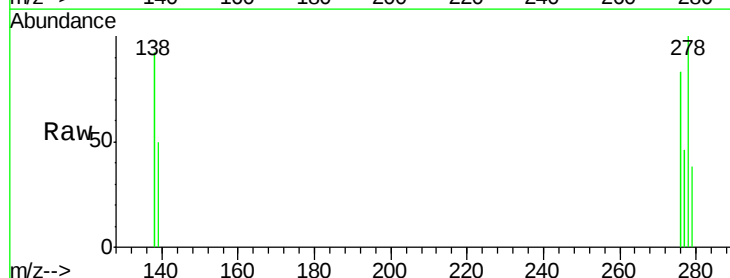
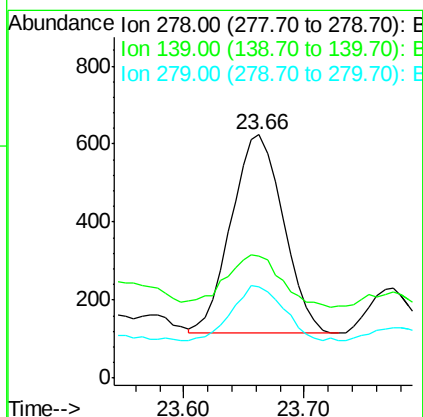
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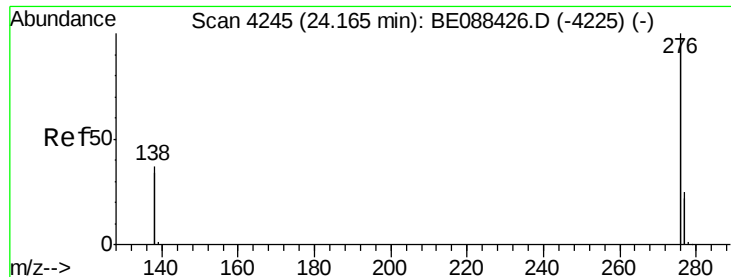
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#26
Dibenzo(a,h)anthracene
Concen: 0.22 ng
RT: 23.66 min Scan# 4168
Delta R.T. 0.03 min
Lab File: BE088450.D
Acq: 1 Nov 2014 7:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	50.3	22.1	33.1
279	37.5	19.7	29.5





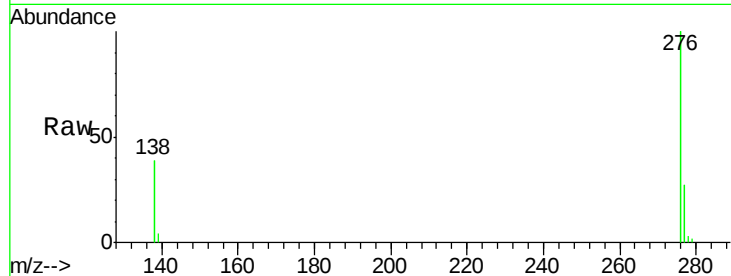
#27
 Benzo(g,h,i)perylene
 Concen: 0.93 ng
 RT: 24.20 min Scan# 4251
 Delta R.T. 0.04 min
 Lab File: BE088450.D
 Acq: 1 Nov 2014 7:32

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB36-1014

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		29735		
277	26.5	19.8	29.6		
138	39.0	29.3	43.9		

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

