

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088445.D
 Acq On : 1 Nov 2014 4:45
 Operator : TP/JJ
 Sample : F4379-13
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS37-1014

Manual Integrations
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Quant Time: Nov 02 03:52:05 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	36900	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	128885	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	51308	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	91408	5.00	ng	0.00
16) Chrysene-d12	18.31	240	58567	5.00	ng	0.00
22) Perylene-d12	21.38	264	56509	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	533770	56.47	ng	0.01
8) 2-Fluorobiphenyl	9.99	172	570323	39.44	ng	0.00
18) Terphenyl-d14	16.09	244	332495	30.90	ng	0.01
Target Compounds						Qvalue
13) Phenanthrene	12.94	178	2163m	0.03	ng	
15) Fluoranthene	15.18	202	1278	0.09	ng	99
17) Pyrene	15.63	202	1706	0.09	ng	98
19) Benzo(a)anthracene	18.29	228	3862	0.07	ng	# 82
20) Chrysene	18.37	228	5437	0.10	ng	# 88
21) Indeno(1,2,3-cd)pyrene	23.55	276	3991m	0.08	ng	
23) Benzo(b)fluoranthene	20.62	252	1892	0.15	ng	# 72
25) Benzo(a)pyrene	21.26	252	1083	0.09	ng	# 69
27) Benzo(g,h,i)perylene	24.17	276	3660	0.07	ng	# 66

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

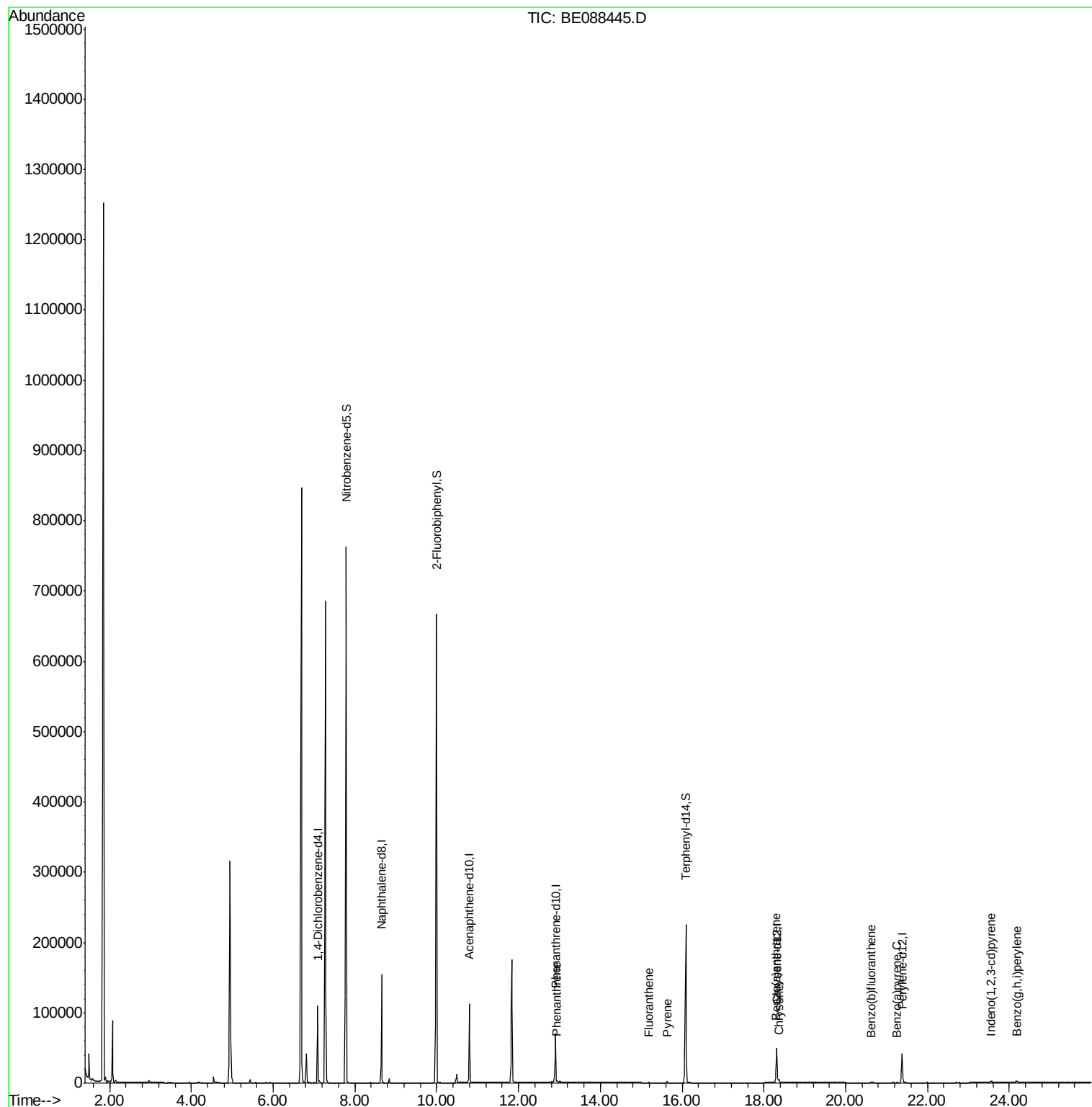
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088445.D
Acq On : 1 Nov 2014 4:45
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Misc :
ALS Vial : 23 Sample Multiplier: 1

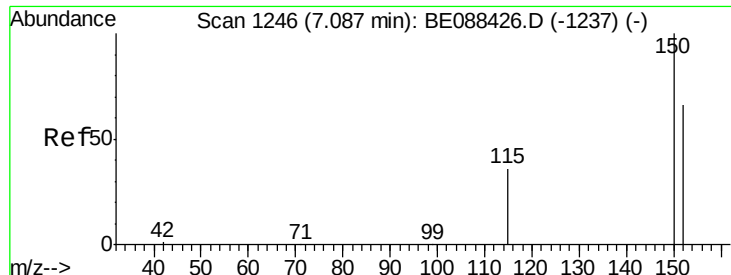
Instrument :
BNA_E
ClientSampleId :
YS19-SS37-1014

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE088445.D

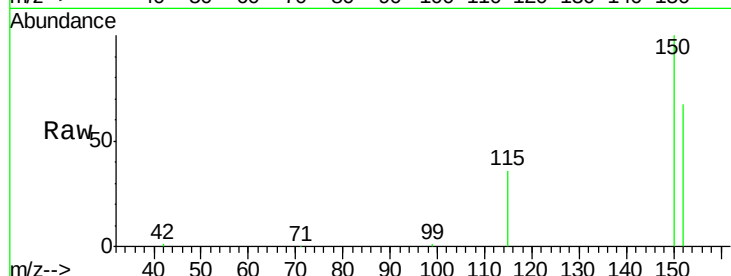
Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 36900

Ion Ratio Lower Upper

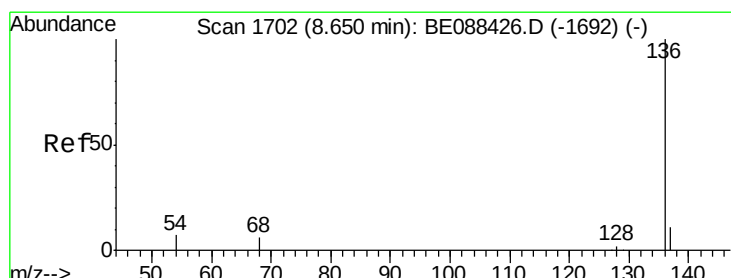
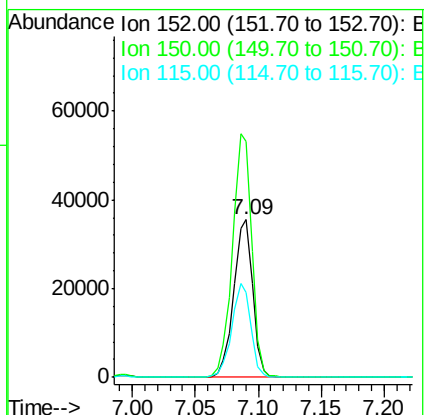
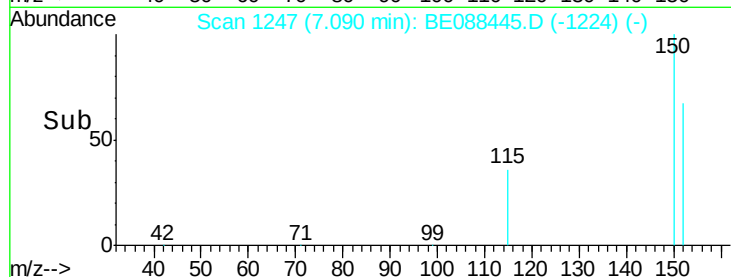
152 100

150 149.8 121.8 182.8

115 53.5 43.9 65.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.65 min Scan# 1701

Delta R.T. -0.00 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

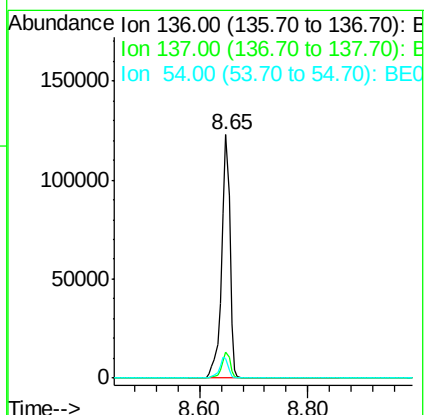
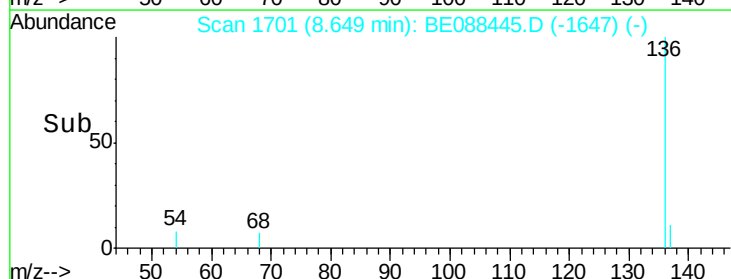
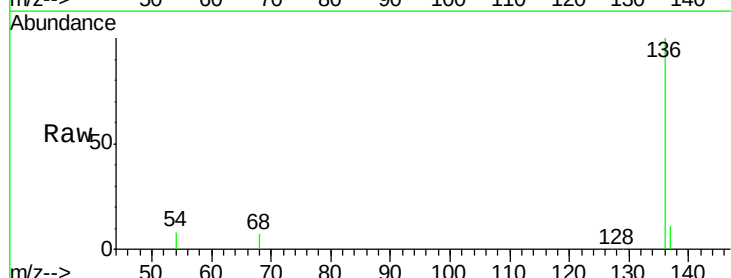
Tgt Ion:136 Resp: 128885

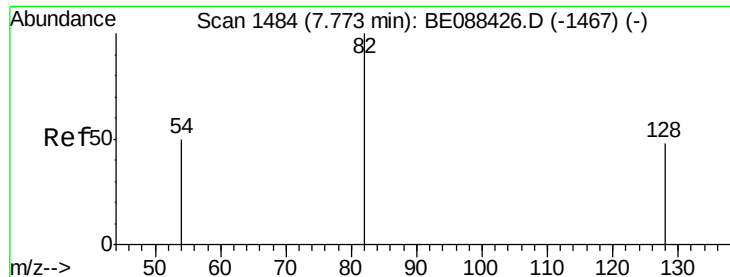
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.1 5.3 7.9#





#4

Nitrobenzene-d5

Concen: 56.47 ng

RT: 7.79 min Scan# 1490

Delta R.T. 0.01 min

Lab File: BE088445.D

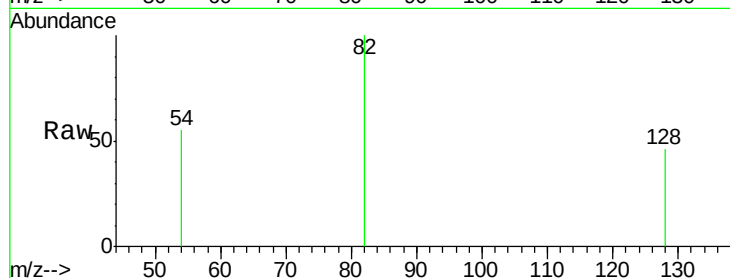
Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

YS19-SS37-1014



Tgt Ion: 82 Resp: 533770

Ion Ratio Lower Upper

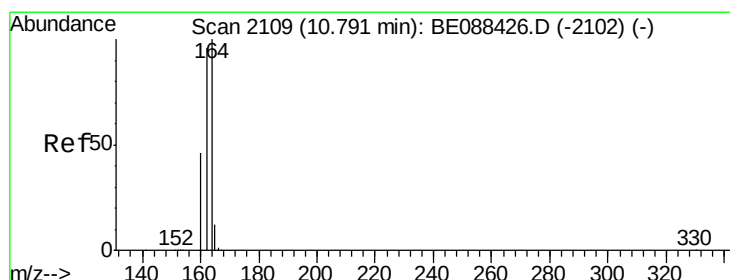
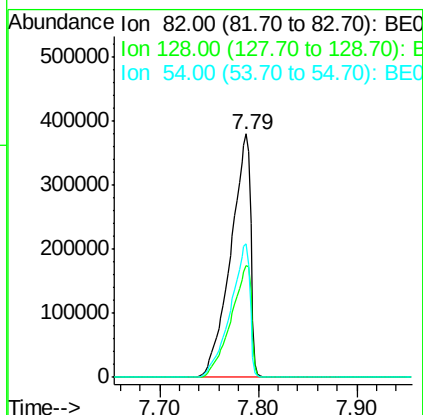
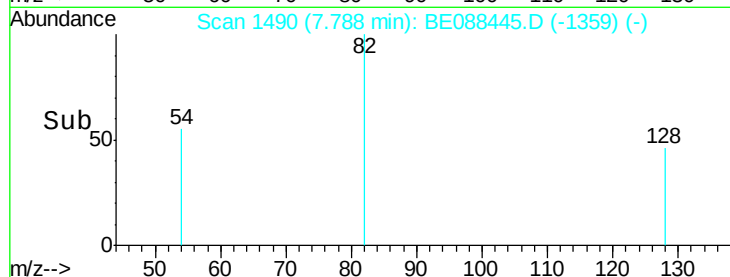
82 100

128 46.0 38.4 57.6

54 54.9 40.2 60.2

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

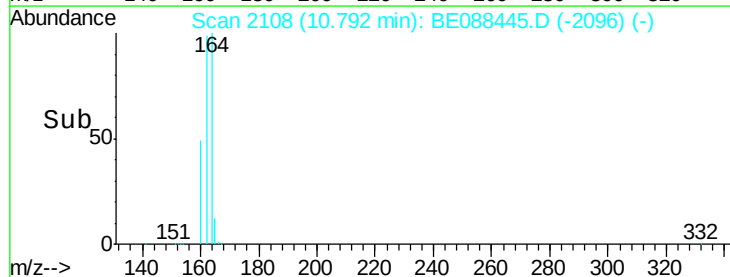
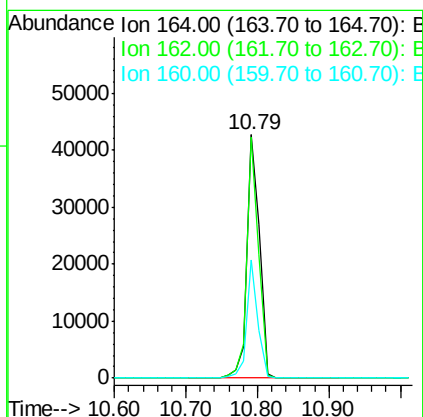
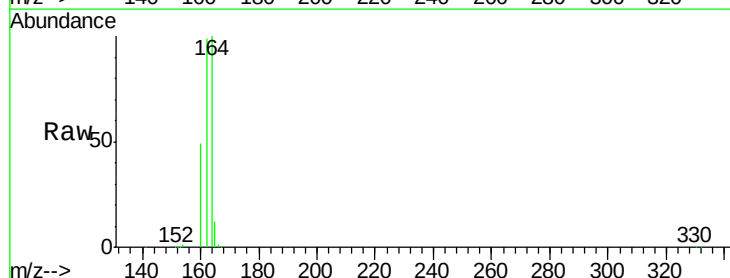
Tgt Ion: 164 Resp: 51308

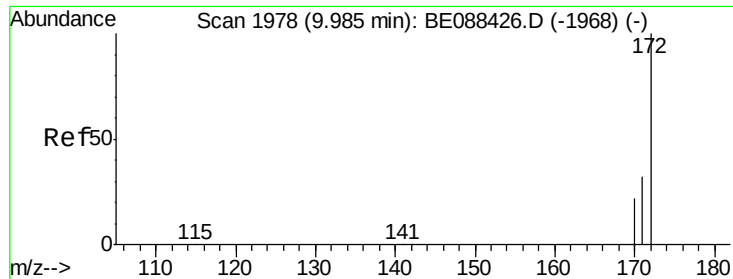
Ion Ratio Lower Upper

164 100

162 99.1 77.0 115.4

160 48.6 36.8 55.2





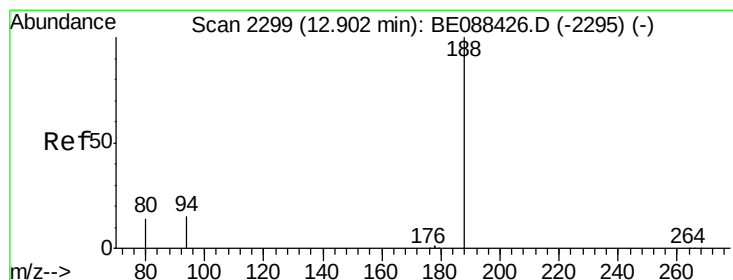
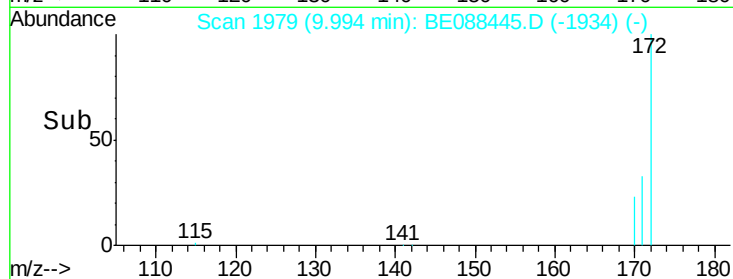
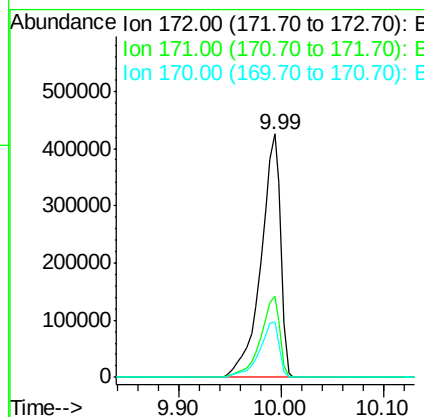
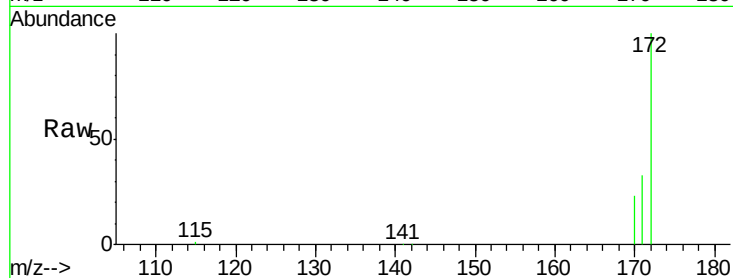
#8
2-Fluorobiphenyl
Concen: 39.44 ng
RT: 9.99 min Scan# 1979
Delta R.T. 0.01 min
Lab File: BE088445.D
Acq: 1 Nov 2014 4:45

Instrument :
BNA_E
ClientSampleId :
YS19-SS37-1014

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	570323		
171	33.3	26.0	39.0	
170	22.9	17.6	26.4	

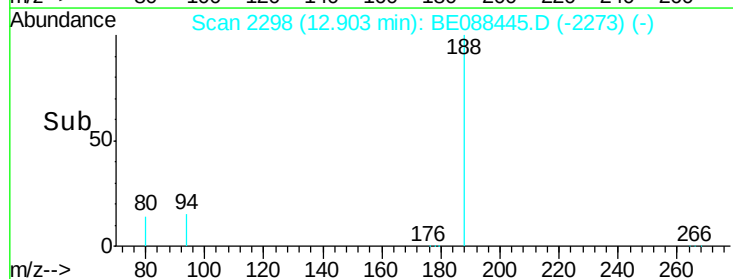
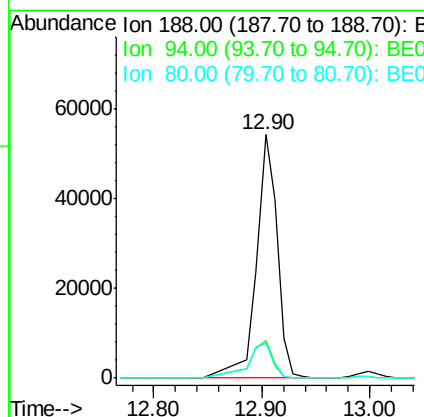
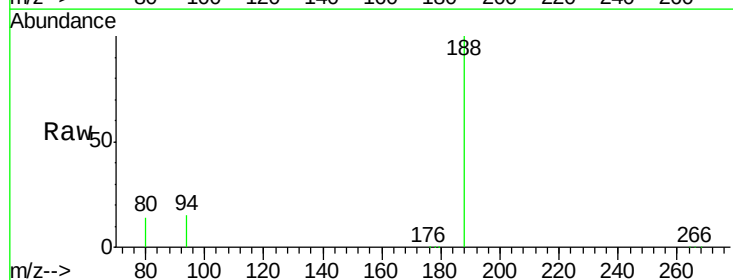
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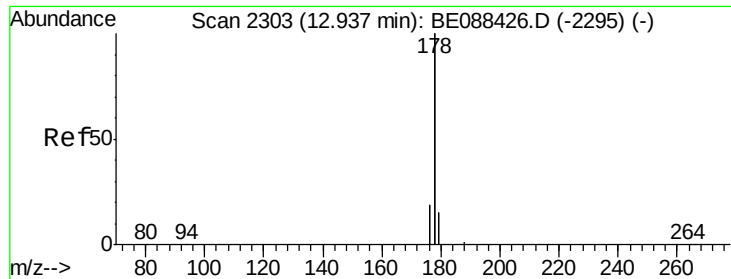
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#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.90 min Scan# 2298
Delta R.T. 0.00 min
Lab File: BE088445.D
Acq: 1 Nov 2014 4:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	91408		
94	15.3	11.8	17.8	
80	14.2	10.9	16.3	





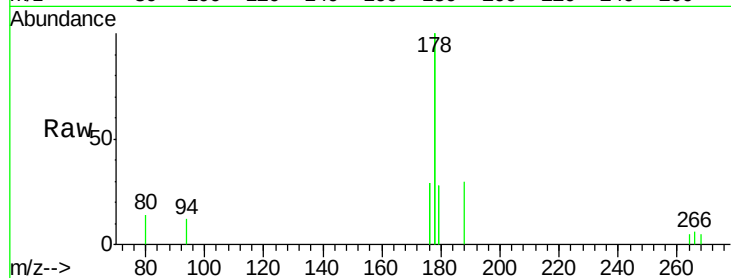
#13
Phenanthrene
Concen: 0.03 ng m
RT: 12.94 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE088445.D
Acq: 1 Nov 2014 4:45

Instrument :
BNA_E
ClientSampleId :
YS19-SS37-1014

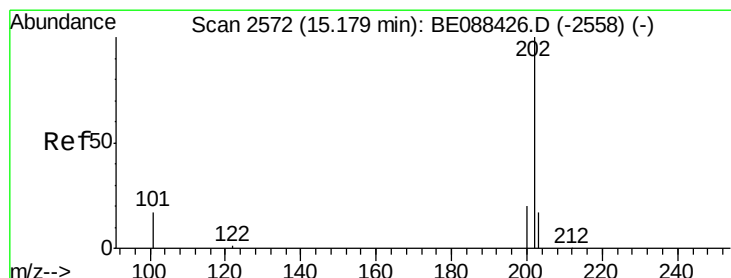
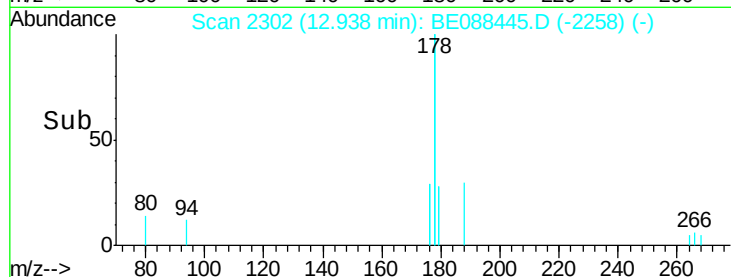
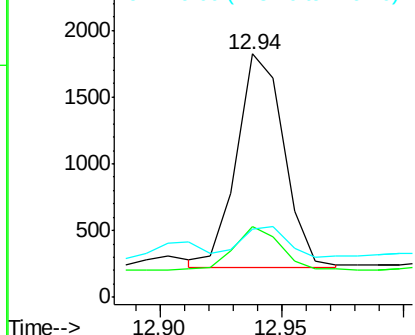
Tgt Ion	Ratio	Lower	Upper
178	100		
176	103.1	15.4	23.2#
179	23.5	12.8	19.2#

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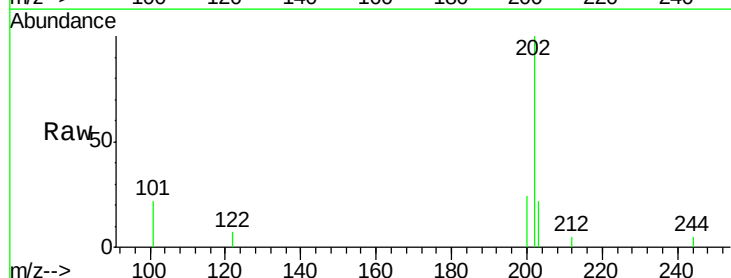


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

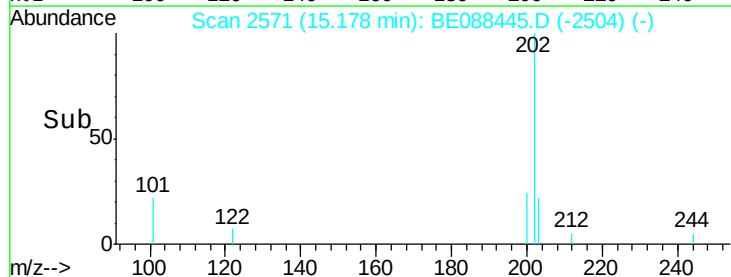
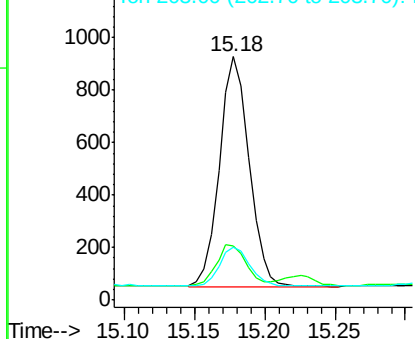


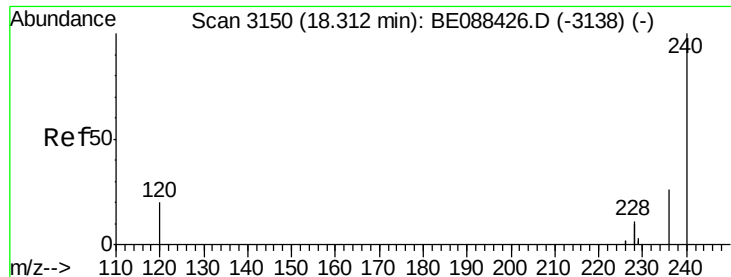
#15
Fluoranthene
Concen: 0.09 ng
RT: 15.18 min Scan# 2571
Delta R.T. -0.00 min
Lab File: BE088445.D
Acq: 1 Nov 2014 4:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.0	14.3	21.5
203	17.4	13.6	20.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





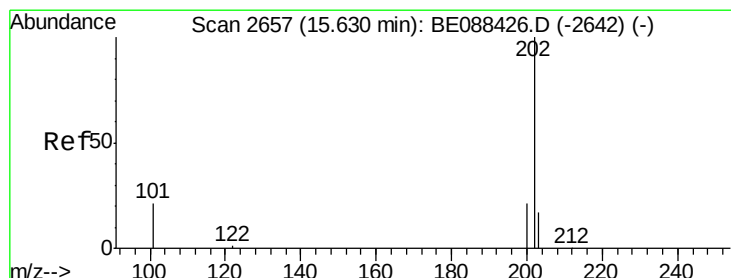
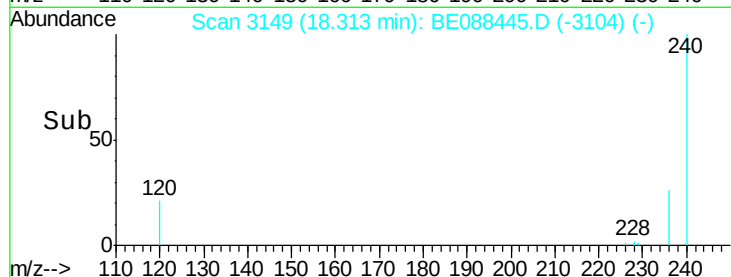
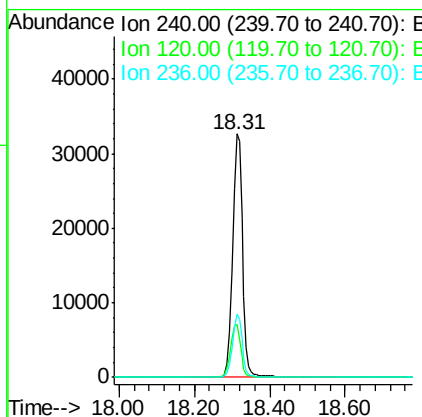
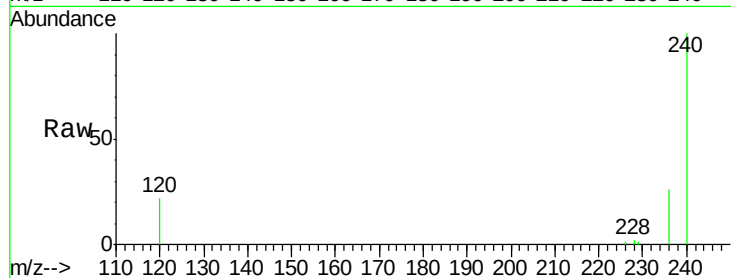
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.31 min Scan# 3149
Delta R.T. 0.00 min
Lab File: BE088445.D
Acq: 1 Nov 2014 4:45

Instrument :
BNA_E
ClientSampleId :
YS19-SS37-1014

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	58567		
120	21.6	16.4	24.6	
236	25.9	20.5	30.7	

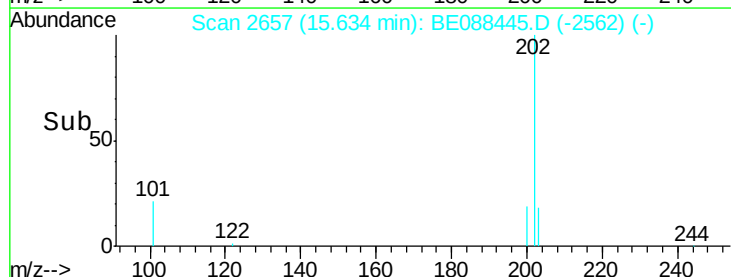
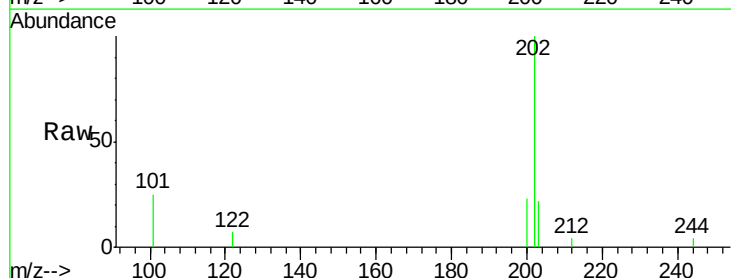
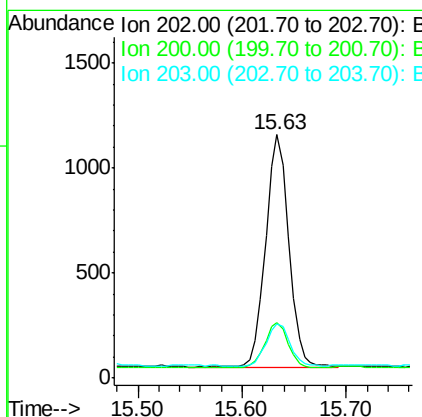
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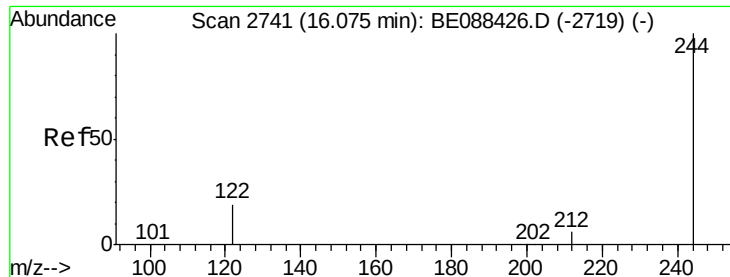
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#17
Pyrene
Concen: 0.09 ng
RT: 15.63 min Scan# 2657
Delta R.T. 0.00 min
Lab File: BE088445.D
Acq: 1 Nov 2014 4:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1706		
200	19.6	16.1	24.1	
203	18.7	13.8	20.8	





#18

Terphenyl-d14

Concen: 30.90 ng

RT: 16.09 min Scan# 2743

Delta R.T. 0.01 min

Lab File: BE088445.D

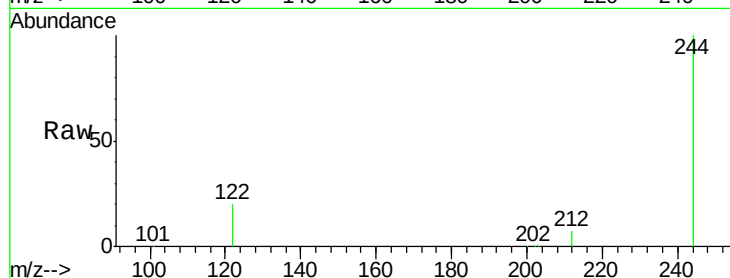
Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

ClientSampleId :

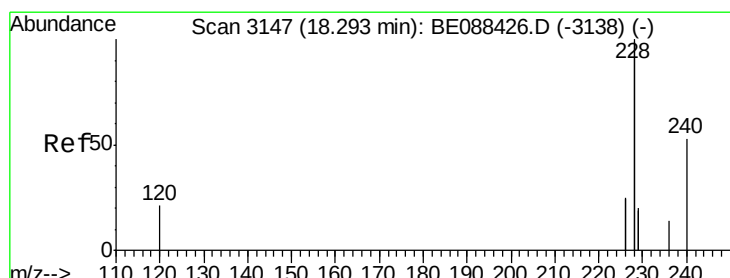
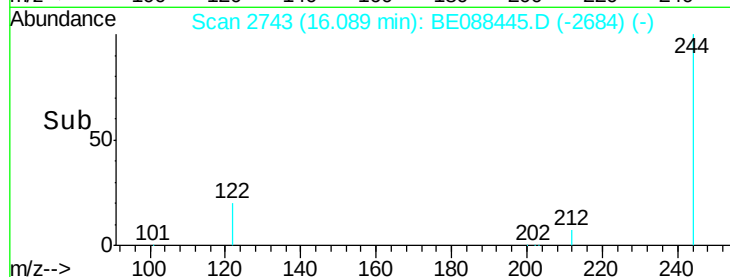
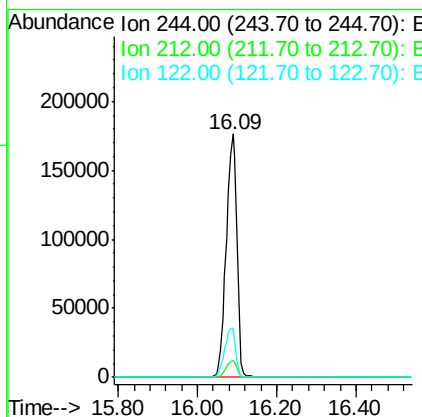
YS19-SS37-1014



Tgt Ion:	244	Resp:	332495
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.5	8.3
122	20.2	15.6	23.4

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#19

Benzo(a)anthracene

Concen: 0.07 ng

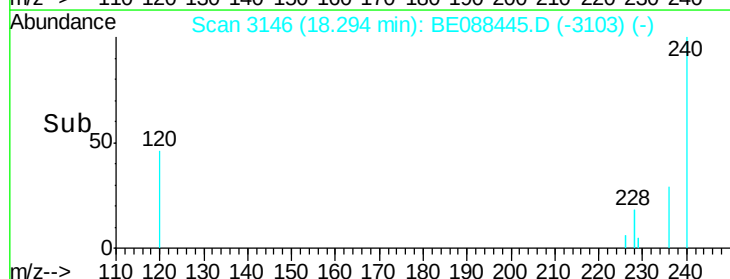
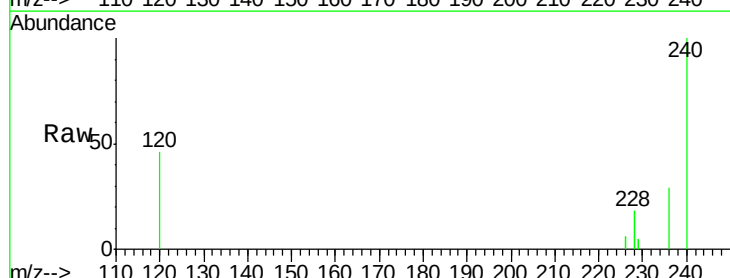
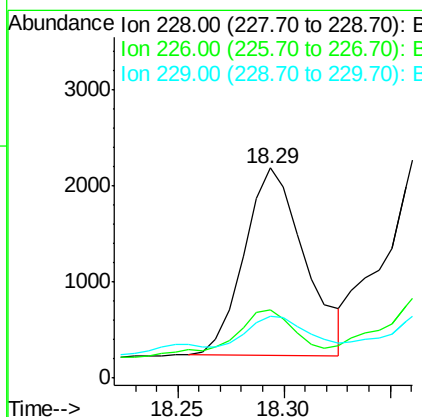
RT: 18.29 min Scan# 3146

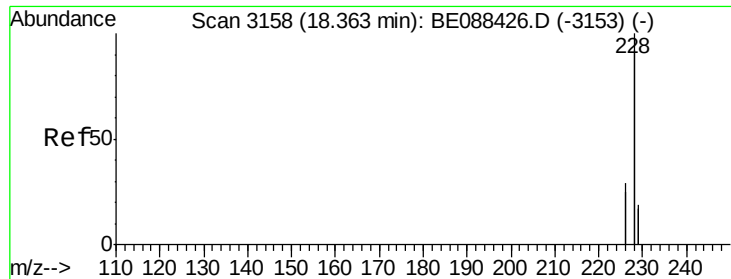
Delta R.T. 0.00 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Tgt Ion:	228	Resp:	3862
Ion Ratio	Lower	Upper	
228	100		
226	32.4	19.8	29.6#
229	29.6	16.0	24.0#





#20

Chrysene

Concen: 0.10 ng

RT: 18.37 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Instrument :

BNA_E

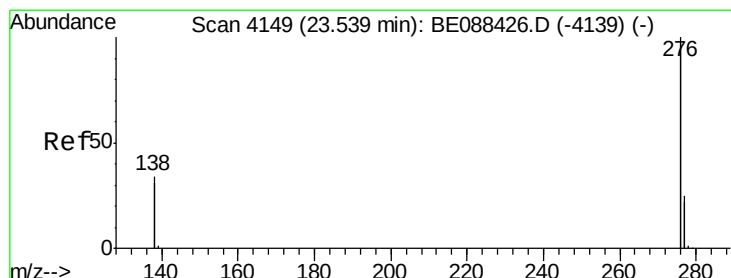
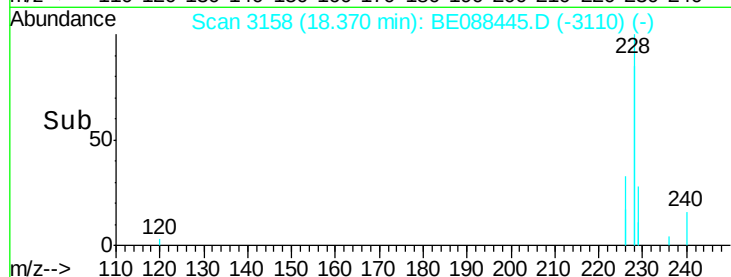
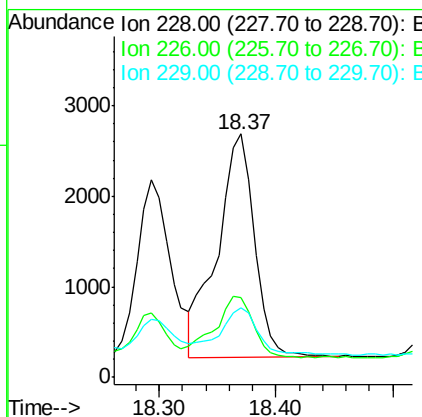
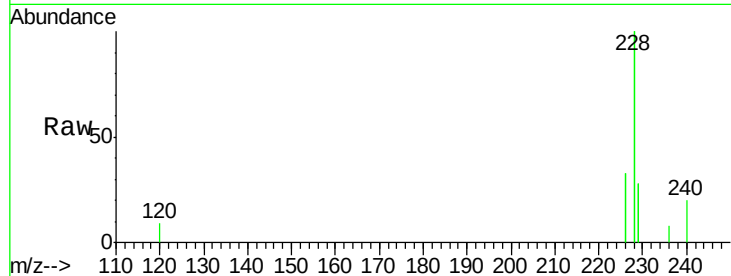
ClientSampleId :

YS19-SS37-1014

Tgt Ion:	228	Resp:	5437
Ion Ratio	Lower	Upper	
228	100		
226	32.9	23.6	35.4
229	28.3	15.4	23.2

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#21

Indeno(1,2,3-cd)pyrene

Concen: 0.08 ng m

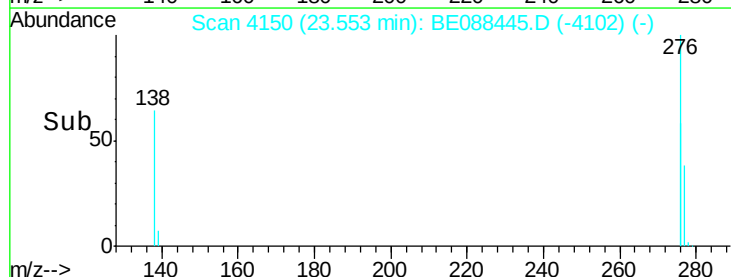
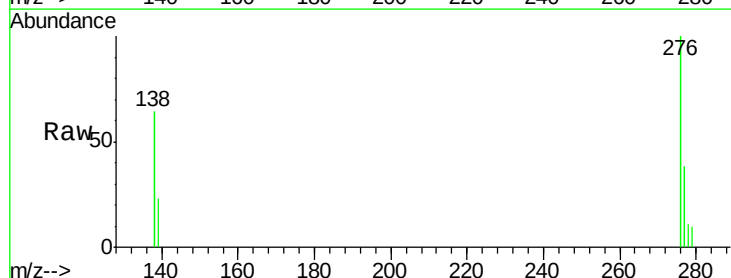
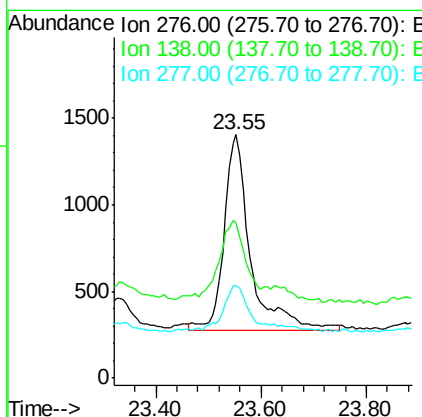
RT: 23.55 min Scan# 4150

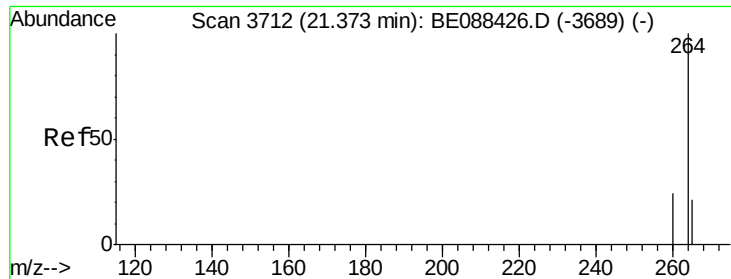
Delta R.T. 0.01 min

Lab File: BE088445.D

Acq: 1 Nov 2014 4:45

Tgt Ion:	276	Resp:	3991
Ion Ratio	Lower	Upper	
276	100		
138	39.9	20.2	30.2
277	23.1	14.8	22.2





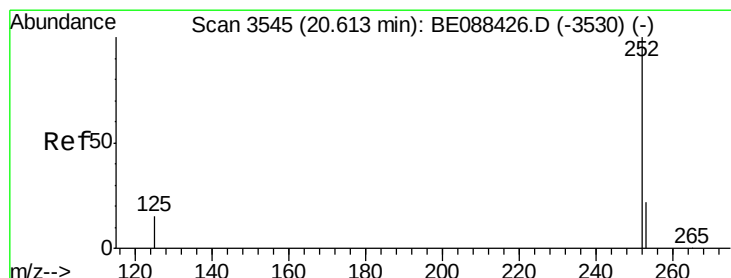
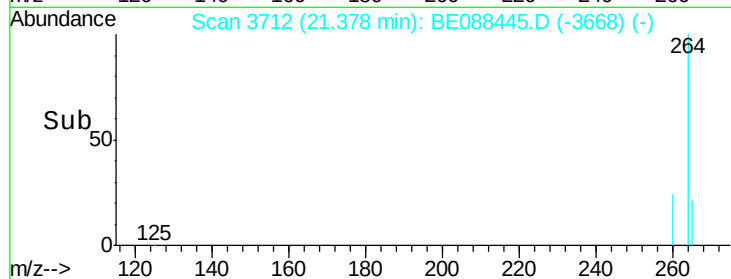
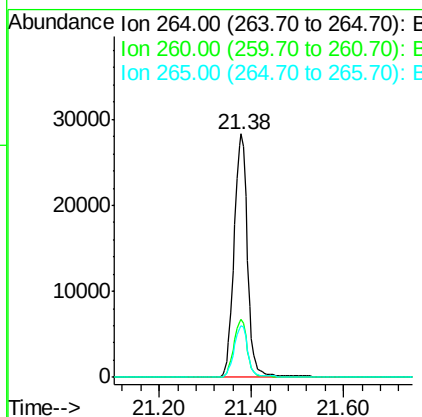
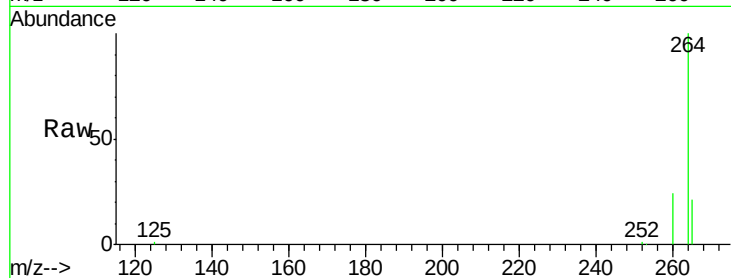
#22
Perylene-d12
 Concen: 5.00 ng
 RT: 21.38 min Scan# 3712
 Delta R.T. 0.01 min
 Lab File: BE088445.D
 Acq: 1 Nov 2014 4:45

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS37-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.8	18.9	28.3
265	21.3	17.2	25.8

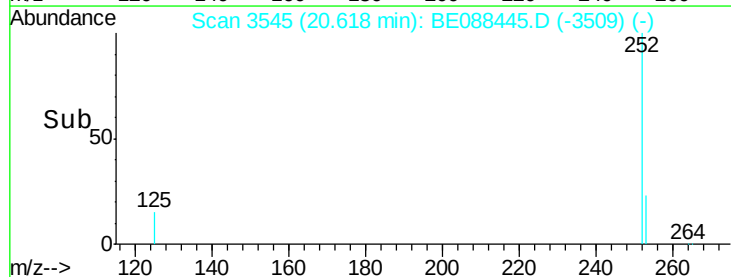
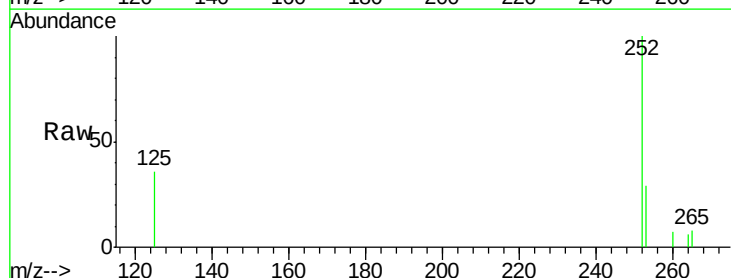
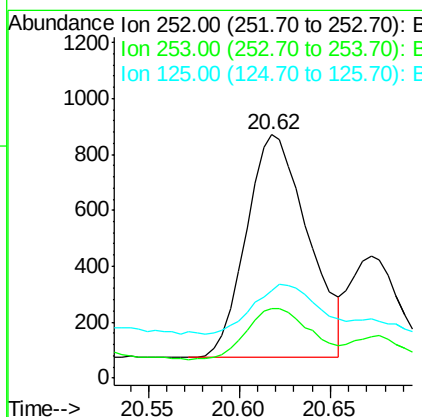
Manual Integrations
 APPROVED

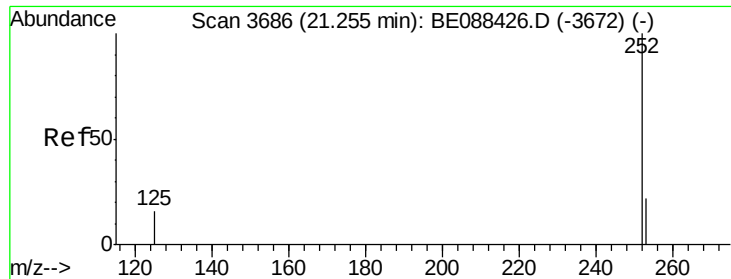
mohammad
 11/4/2014 9:06:56 AM



#23
Benzo(b)fluoranthene
 Concen: 0.15 ng
 RT: 20.62 min Scan# 3545
 Delta R.T. 0.01 min
 Lab File: BE088445.D
 Acq: 1 Nov 2014 4:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	28.7	17.8	26.8#
125	36.1	12.3	18.5#





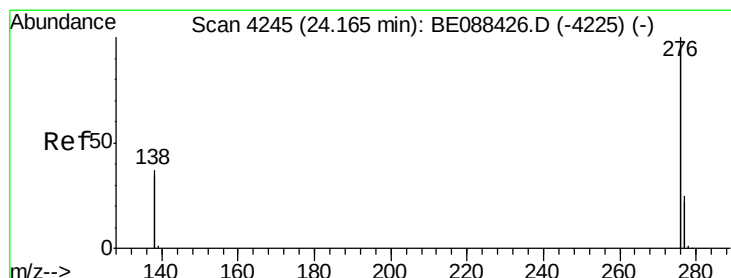
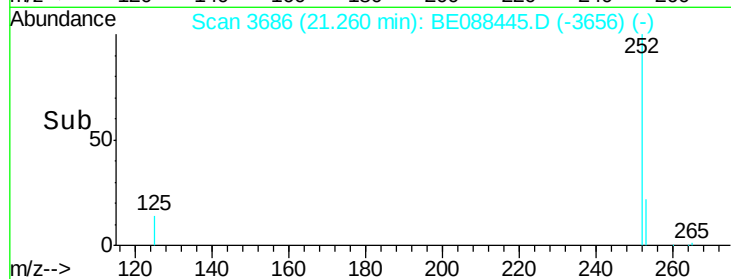
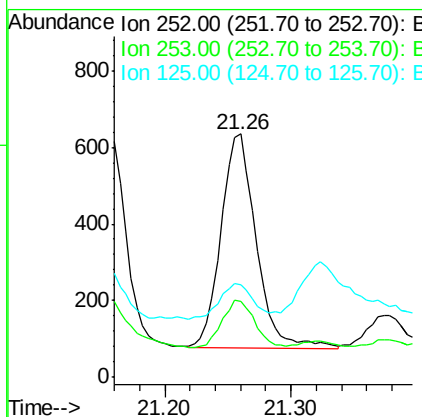
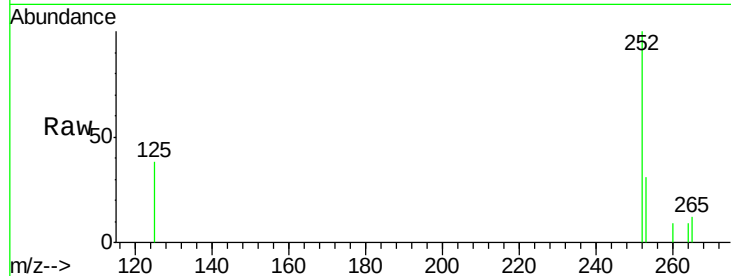
#25
Benzo(a)pyrene
Concen: 0.09 ng
RT: 21.26 min Scan# 3686
Delta R.T. 0.01 min
Lab File: BE088445.D
Acq: 1 Nov 2014 4:45

Instrument :
BNA_E
ClientSampleId :
YS19-SS37-1014

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	18.2	27.4#
125	38.1	13.7	20.5#

Manual Integrations
APPROVED

mohammad
11/4/2014 9:06:56 AM



#27
Benzo(g,h,i)perylene
Concen: 0.07 ng
RT: 24.17 min Scan# 4245
Delta R.T. 0.01 min
Lab File: BE088445.D
Acq: 1 Nov 2014 4:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	37.9	19.8	29.6#
138	59.3	29.3	43.9#

