

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088436.D
 Acq On : 31 Oct 2014 23:43
 Operator : TP/JJ
 Sample : F4325-20
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB20-1014

Manual Integrations
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mohammad
 11/4/2014 9:06:22 AM

Quant Time: Nov 01 04:26:50 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	51369	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	192683	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	89235	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	158111	5.00	ng	0.00
16) Chrysene-d12	18.31	240	72291	5.00	ng	0.00
22) Perylene-d12	21.37	264	64808	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.78	82	610101	43.18	ng	0.01
8) 2-Fluorobiphenyl	9.99	172	711683	28.30	ng	0.00
18) Terphenyl-d14	16.09	244	410552	30.91	ng	0.02
Target Compounds						Qvalue
13) Phenanthrene	12.94	178	29798	0.21	ng	# 88
14) Anthracene	13.02	178	4474m	0.04	ng	
15) Fluoranthene	15.17	202	6598	0.28	ng	100
17) Pyrene	15.63	202	5714	0.24	ng	97
19) Benzo(a)anthracene	18.29	228	10387	0.15	ng	94
20) Chrysene	18.36	228	10159	0.15	ng	# 94
21) Indeno(1,2,3-cd)pyrene	23.54	276	5330	0.09	ng	# 80
23) Benzo(b)fluoranthene	20.61	252	2762	0.19	ng	# 85
24) Benzo(k)fluoranthene	20.67	252	1125	0.07	ng	# 77
25) Benzo(a)pyrene	21.25	252	1968	0.14	ng	# 87
27) Benzo(g,h,i)perylene	24.16	276	5951	0.10	ng	# 84

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

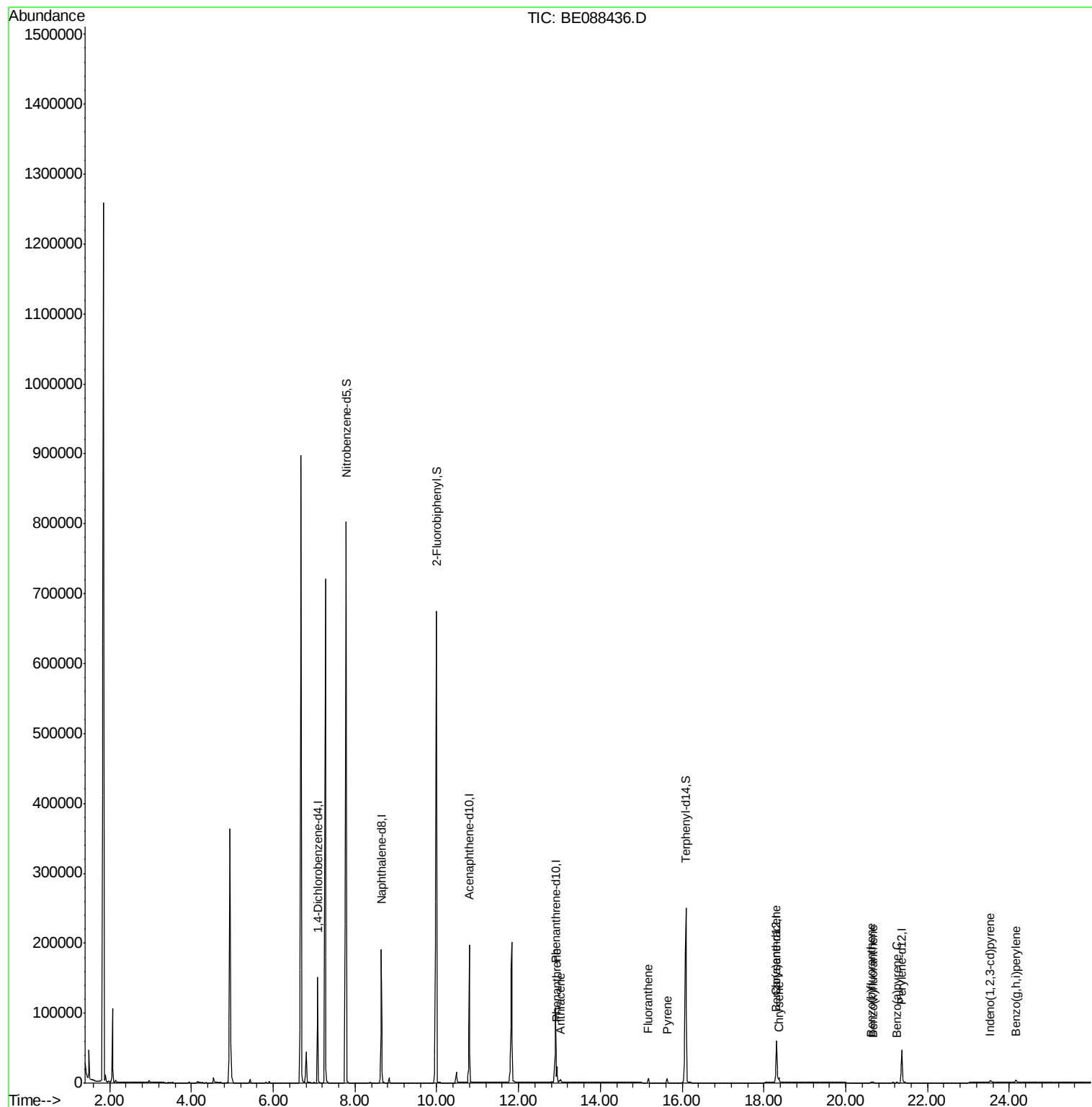
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
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Sample : F4325-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

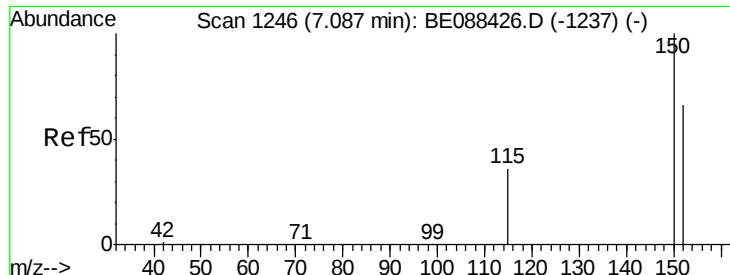
Instrument :
BNA_E
ClientSampleId :
YS19-SB20-1014

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QLast Update : Sat Nov 01 00:42:07 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088436.D

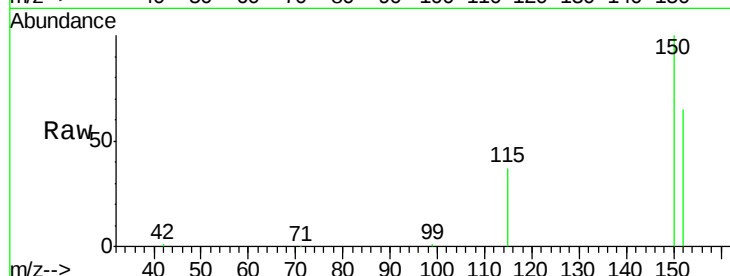
Acq: 31 Oct 2014 23:43

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 51369

Ion Ratio Lower Upper

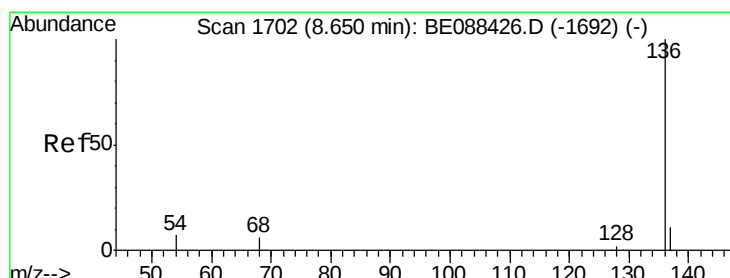
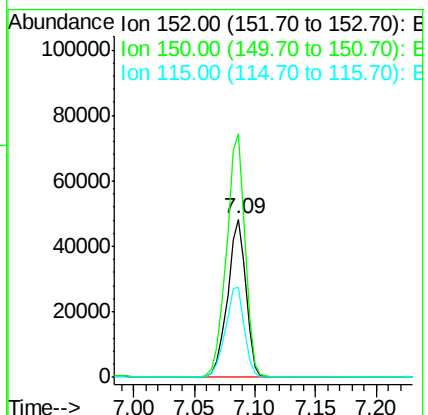
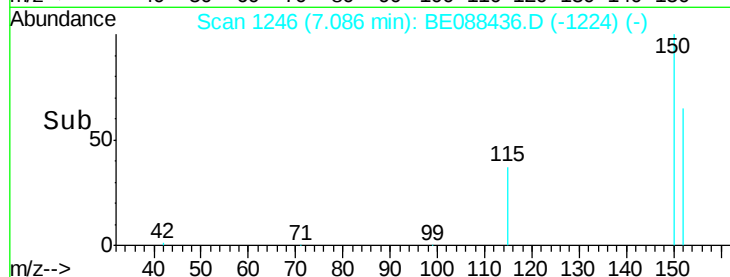
152 100

150 153.9 121.8 182.8

115 56.8 43.9 65.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.65 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BE088436.D

Acq: 31 Oct 2014 23:43

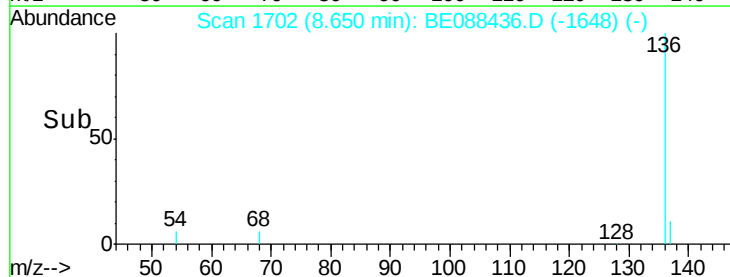
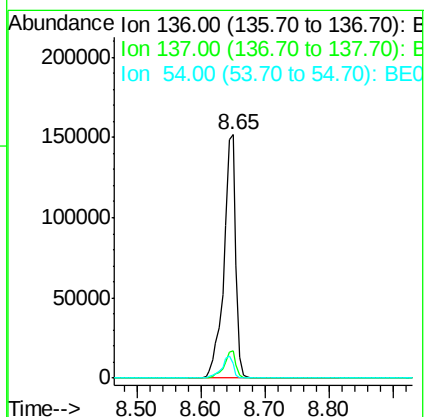
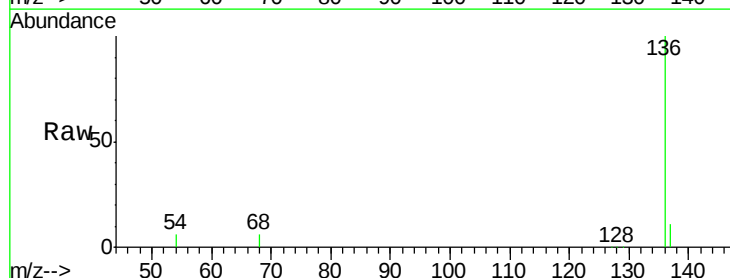
Tgt Ion:136 Resp: 192683

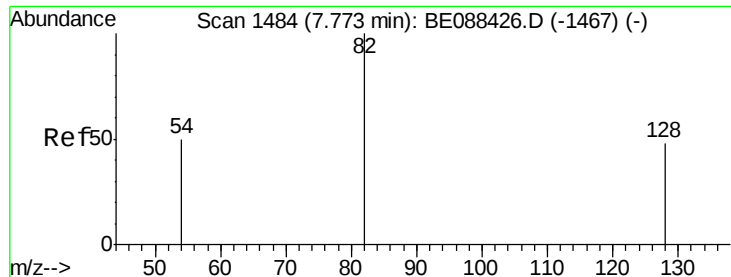
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 5.8 5.3 7.9





#4

Nitrobenzene-d5

Concen: 43.18 ng

RT: 7.78 min Scan# 1489

Delta R.T. 0.01 min

Lab File: BE088436.D

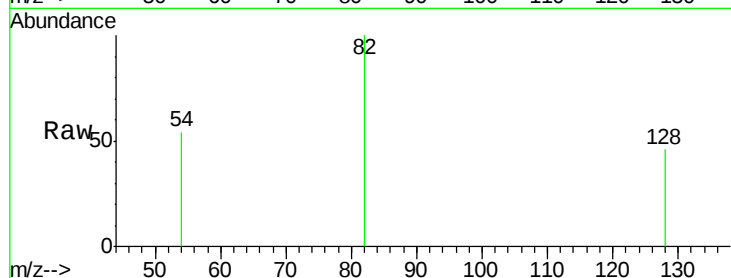
Acq: 31 Oct 2014 23:43

Instrument :

BNA_E

ClientSampleId :

YS19-SB20-1014



Tgt Ion: 82 Resp: 610101

Ion Ratio Lower Upper

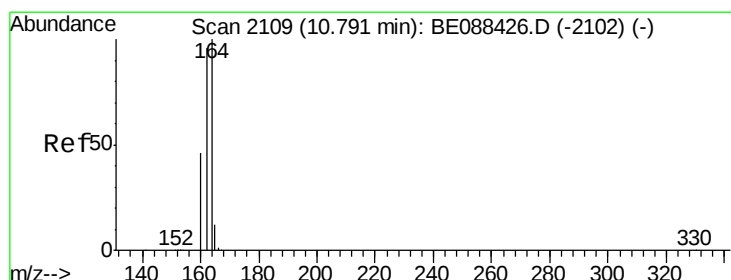
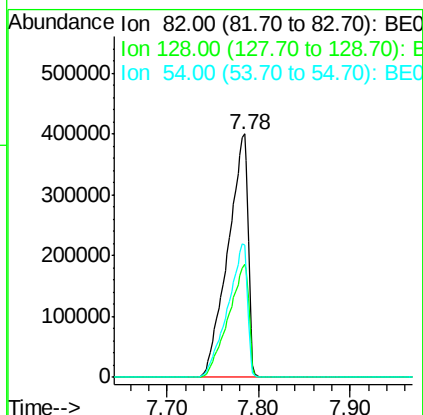
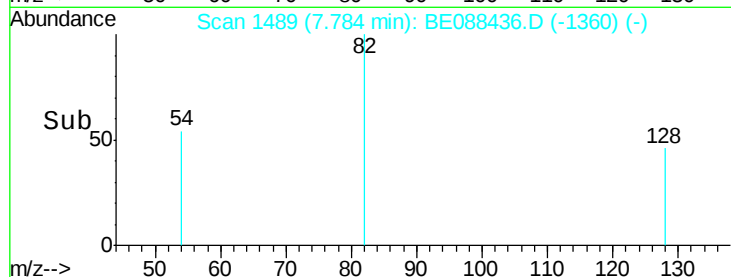
82 100

128 46.4 38.4 57.6

54 54.3 40.2 60.2

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#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088436.D

Acq: 31 Oct 2014 23:43

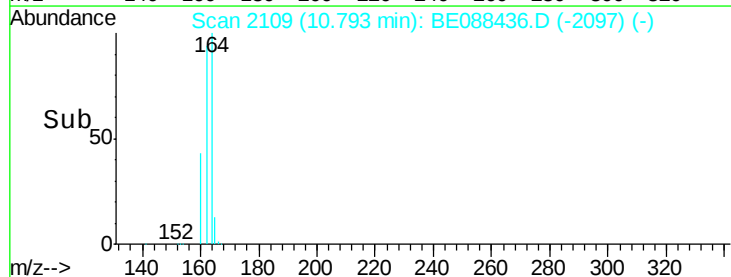
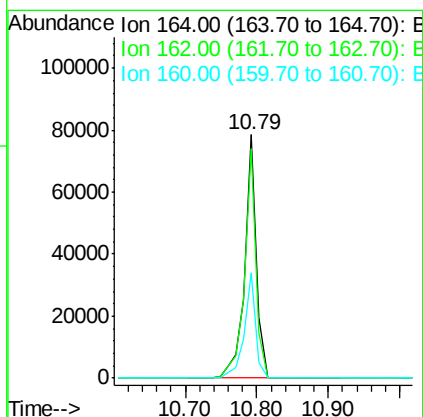
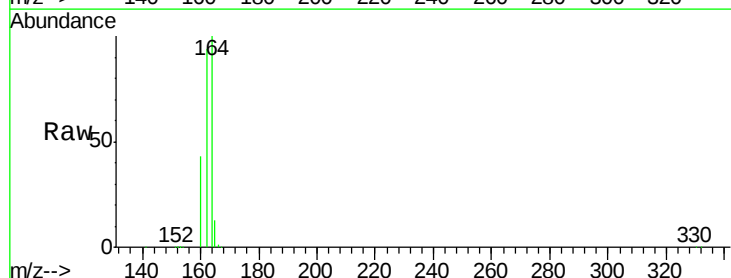
Tgt Ion: 164 Resp: 89235

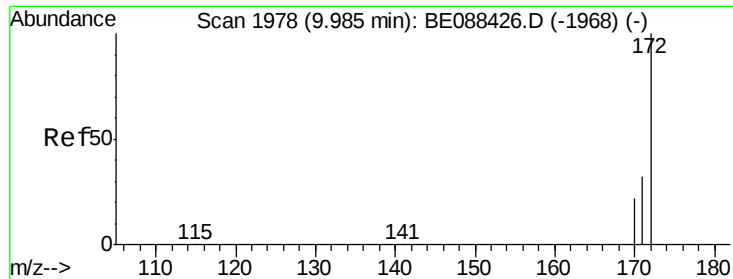
Ion Ratio Lower Upper

164 100

162 94.1 77.0 115.4

160 43.4 36.8 55.2





#8

2-Fluorobiphenyl

Concen: 28.30 ng

RT: 9.99 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BE088436.D

Acq: 31 Oct 2014 23:43

Instrument :

BNA_E

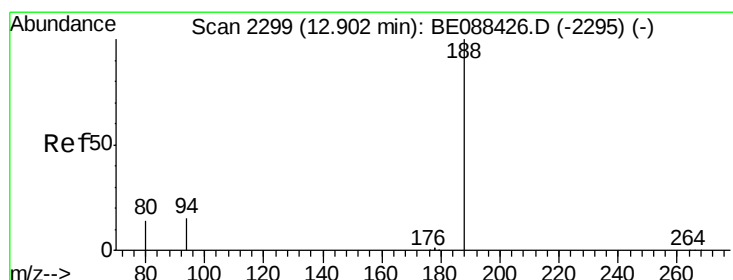
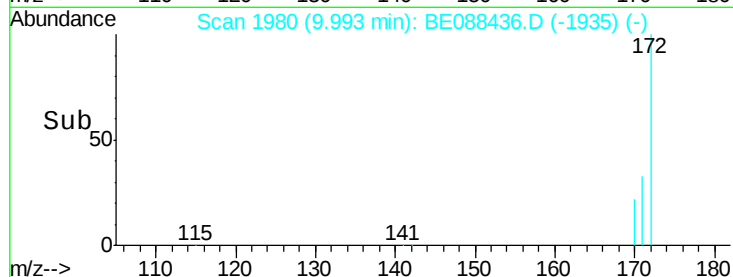
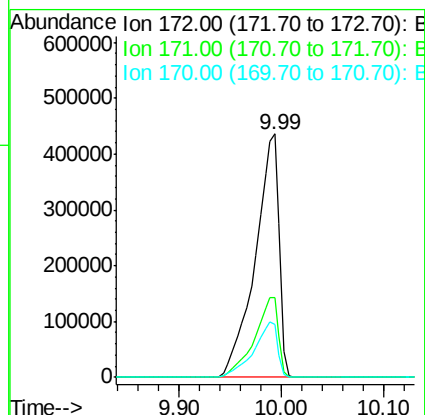
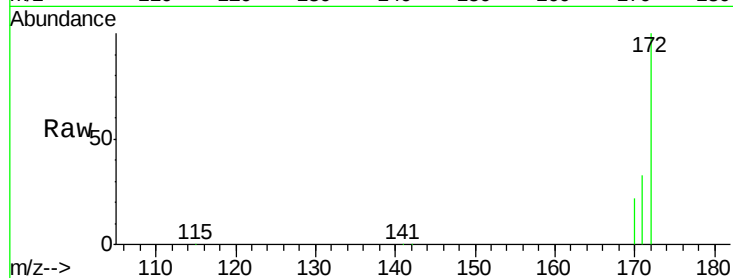
ClientSampleId :

YS19-SB20-1014

Tgt Ion:	172	Resp:	711683
Ion Ratio	Lower	Upper	
172	100		
171	32.5	26.0	39.0
170	21.8	17.6	26.4

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#12

Phenanthrene-d10

Concen: 5.00 ng

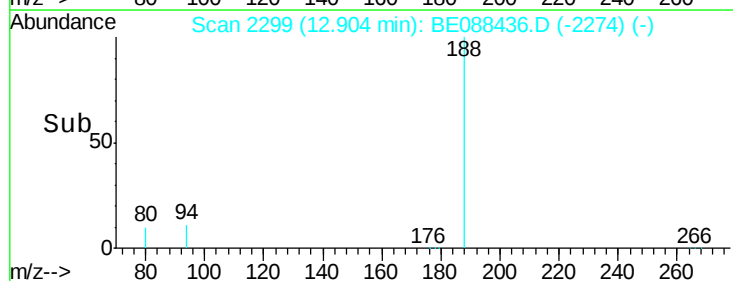
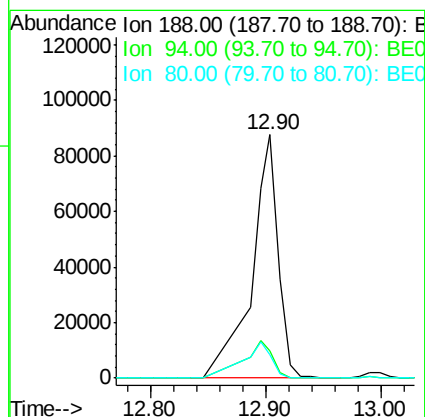
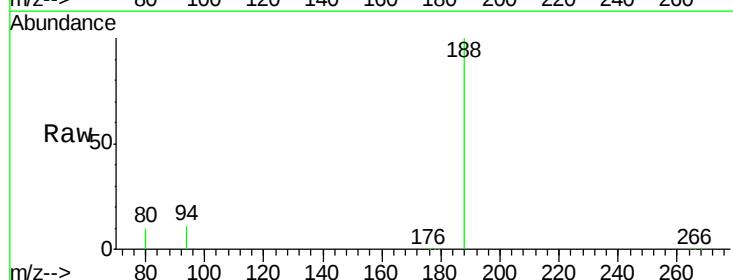
RT: 12.90 min Scan# 2299

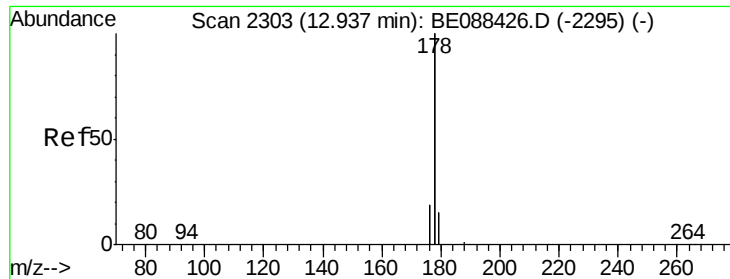
Delta R.T. 0.00 min

Lab File: BE088436.D

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Tgt Ion:	188	Resp:	158111
Ion Ratio	Lower	Upper	
188	100		
94	11.5	11.8	17.8#
80	9.9	10.9	16.3#





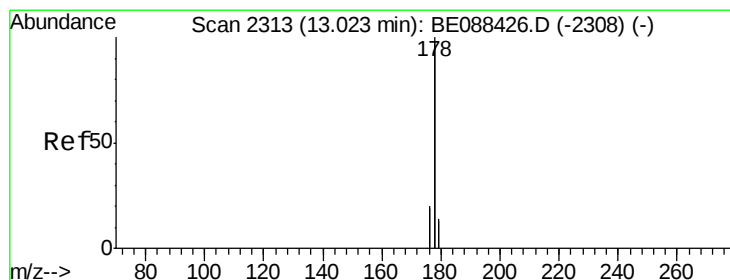
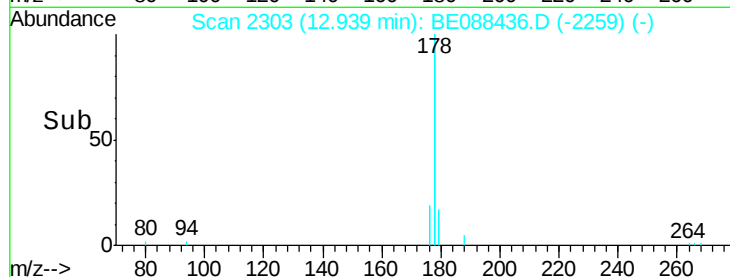
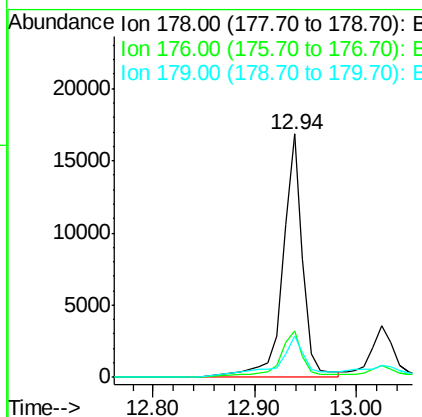
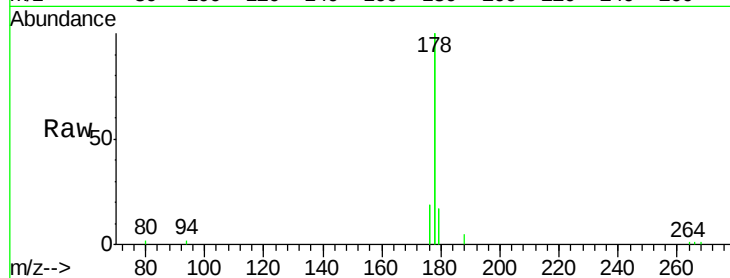
#13
Phenanthrene
Concen: 0.21 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088436.D
Acq: 31 Oct 2014 23:43

Instrument :
BNA_E
ClientSampleId :
YS19-SB20-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.9	15.4	23.2
179	23.4	12.8	19.2

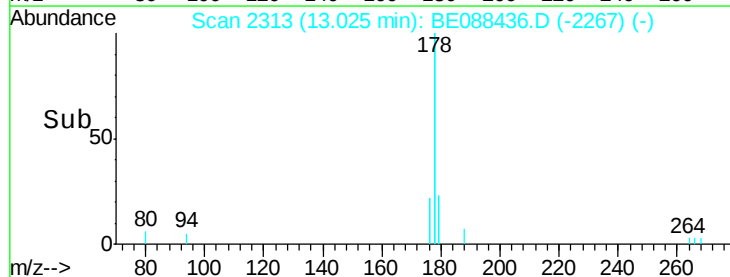
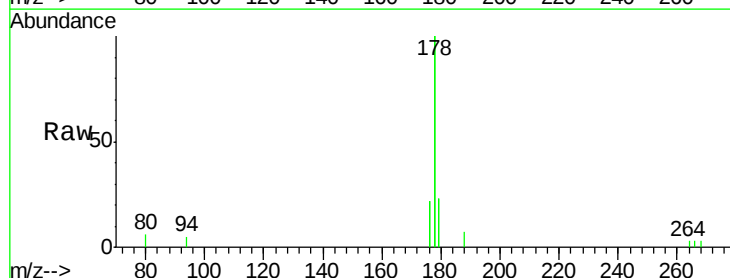
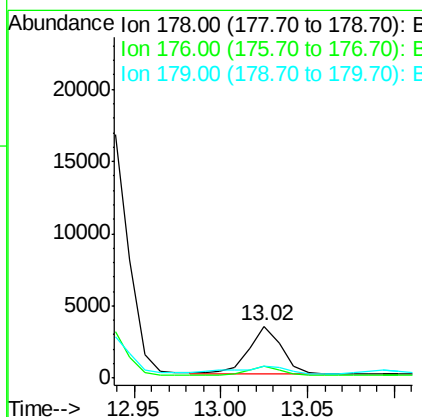
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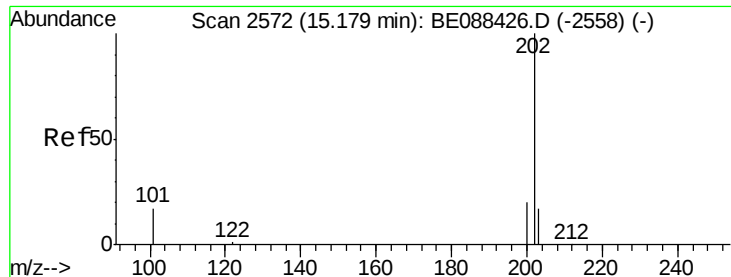
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#14
Anthracene
Concen: 0.04 ng m
RT: 13.02 min Scan# 2313
Delta R.T. 0.00 min
Lab File: BE088436.D
Acq: 31 Oct 2014 23:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.2	15.0	22.4
179	40.6	12.5	18.7





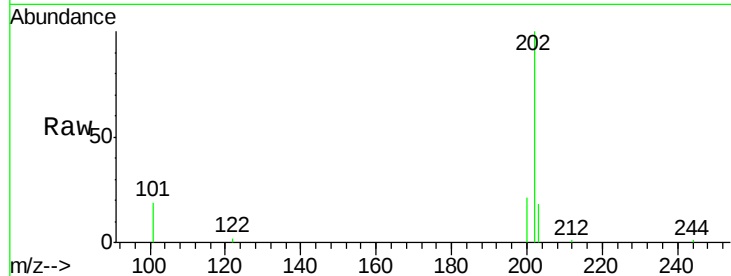
#15
Fluoranthene
 Concen: 0.28 ng
 RT: 15.17 min Scan# 2571
 Delta R.T. -0.01 min
 Lab File: BE088436.D
 Acq: 31 Oct 2014 23:43

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB20-1014

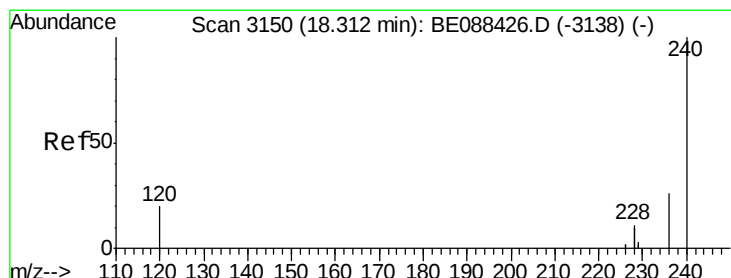
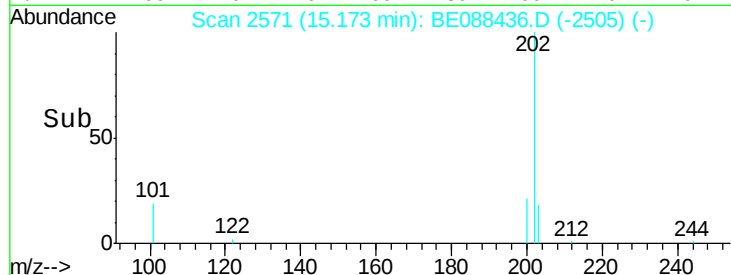
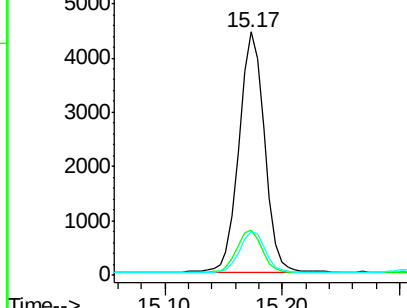
Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.3	21.5
203	17.3	13.6	20.4

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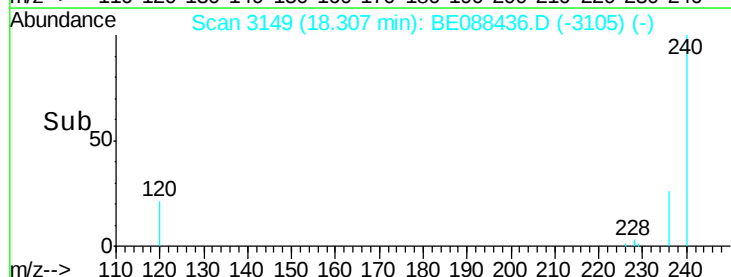
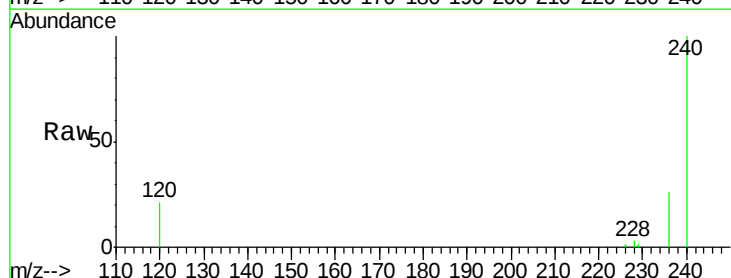
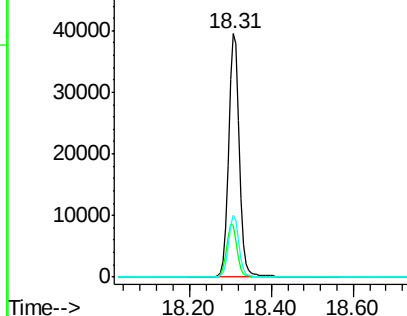
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 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

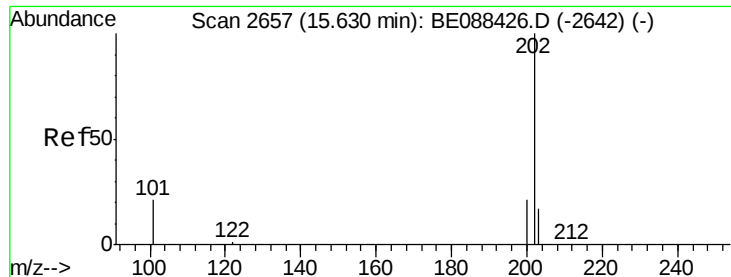


#16
Chrysene-d12
 Concen: 5.00 ng
 RT: 18.31 min Scan# 3149
 Delta R.T. -0.00 min
 Lab File: BE088436.D
 Acq: 31 Oct 2014 23:43

Tgt Ion	Ratio	Lower	Upper
240	100		
120	21.1	16.4	24.6
236	25.6	20.5	30.7

Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E





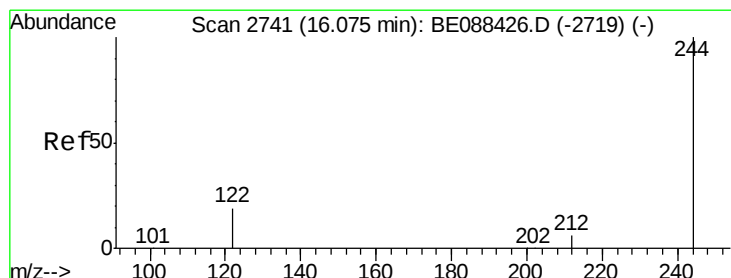
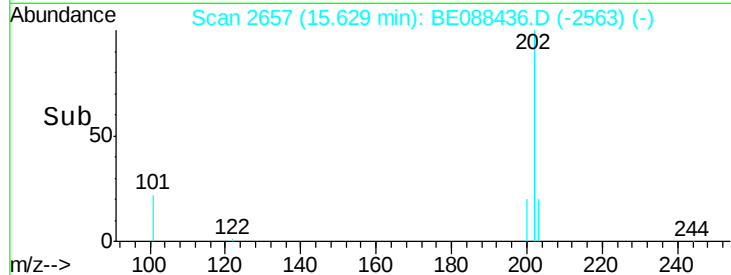
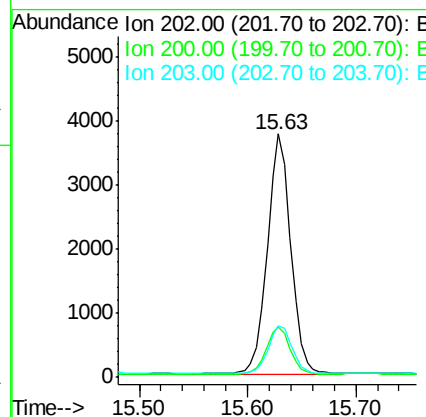
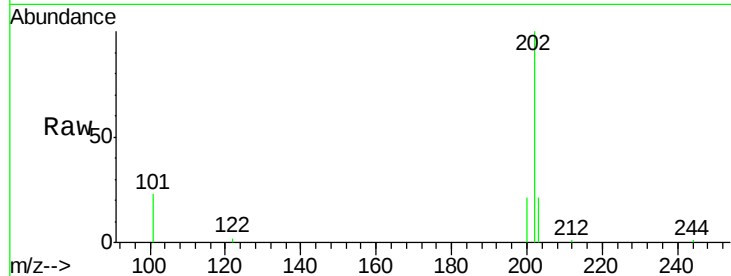
#17
 Pyrene
 Concen: 0.24 ng
 RT: 15.63 min Scan# 2657
 Delta R.T. -0.00 min
 Lab File: BE088436.D
 Acq: 31 Oct 2014 23:43

Instrument :
 BNA_E
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	20.5	13.8	20.8

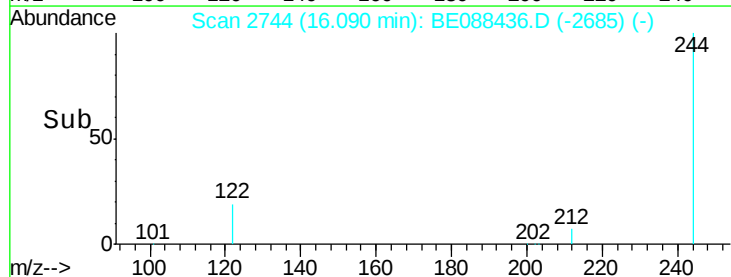
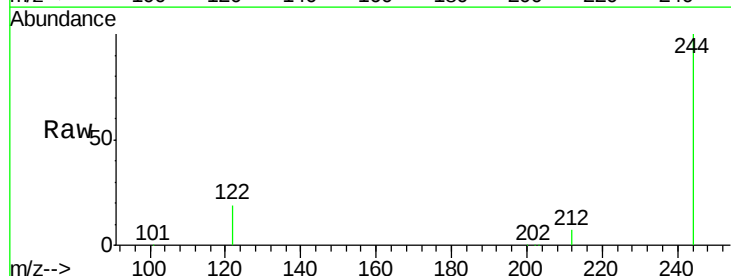
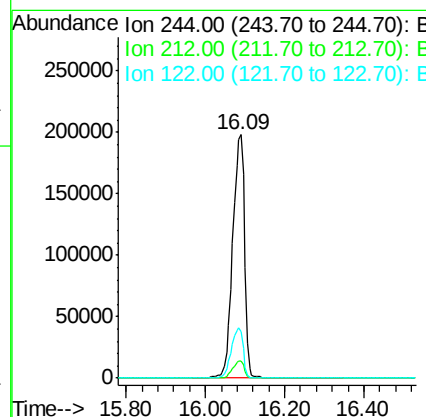
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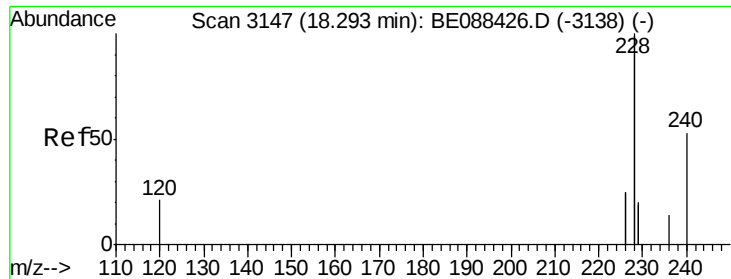
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#18
 Terphenyl-d14
 Concen: 30.91 ng
 RT: 16.09 min Scan# 2744
 Delta R.T. 0.02 min
 Lab File: BE088436.D
 Acq: 31 Oct 2014 23:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	19.0	15.6	23.4





#19

Benzo(a)anthracene

Concen: 0.15 ng

RT: 18.29 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BE088436.D

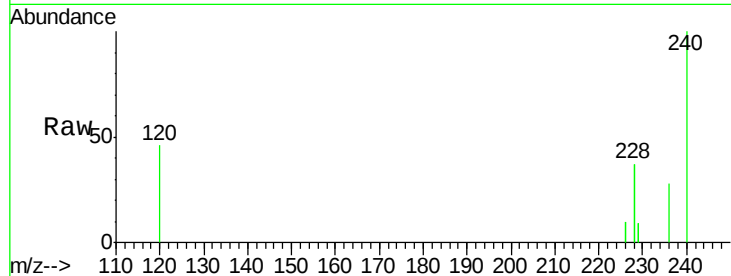
Acq: 31 Oct 2014 23:43

Instrument :

BNA_E

ClientSampleId :

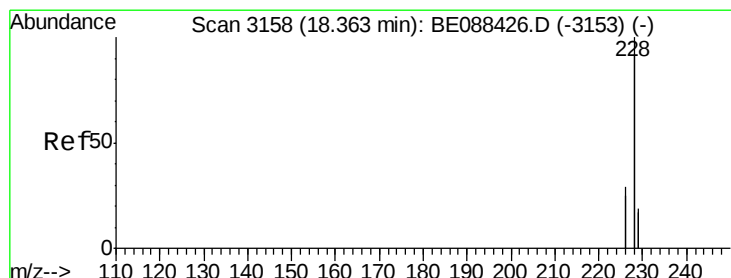
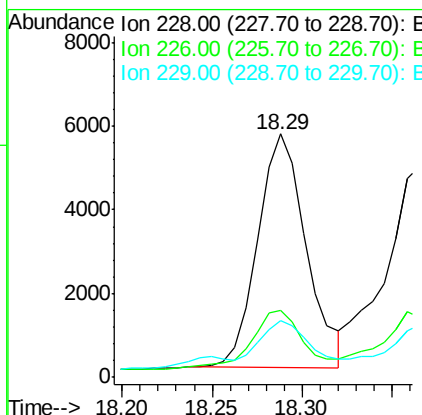
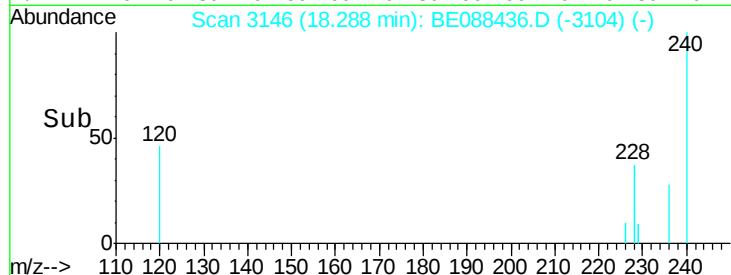
YS19-SB20-1014



Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	19.8	29.6
229	23.2	16.0	24.0

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#20

Chrysene

Concen: 0.15 ng

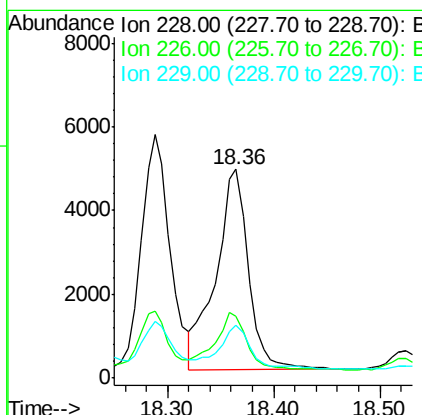
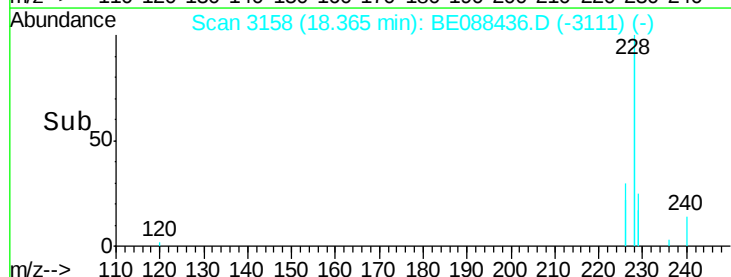
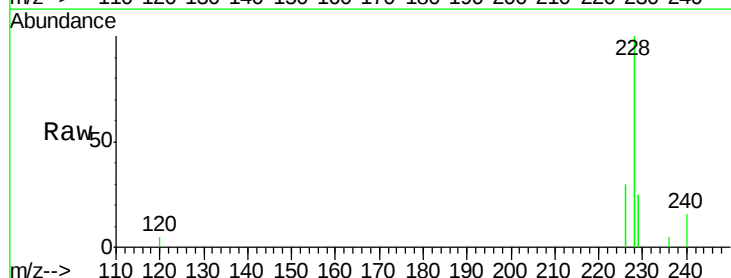
RT: 18.36 min Scan# 3158

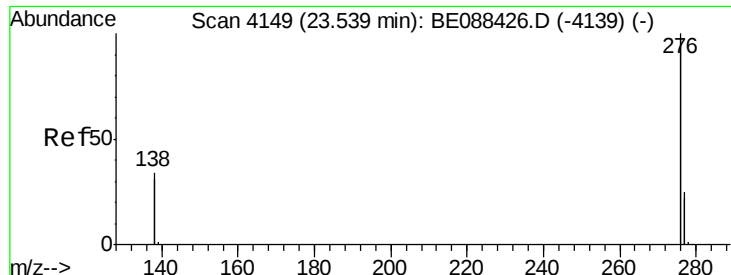
Delta R.T. 0.00 min

Lab File: BE088436.D

Acq: 31 Oct 2014 23:43

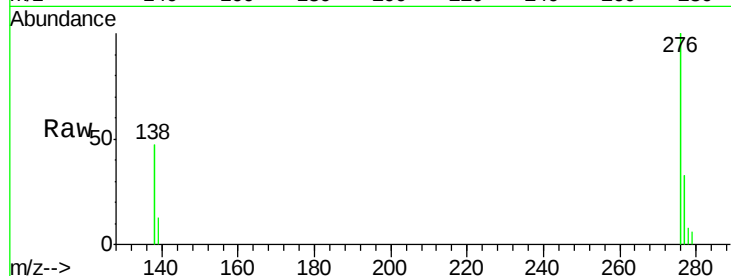
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.6	35.4
229	25.2	15.4	23.2#





#21
Indeno(1,2,3-cd)pyrene
Concen: 0.09 ng
RT: 23.54 min Scan# 4149
Delta R.T. -0.00 min
Lab File: BE088436.D
Acq: 31 Oct 2014 23:43

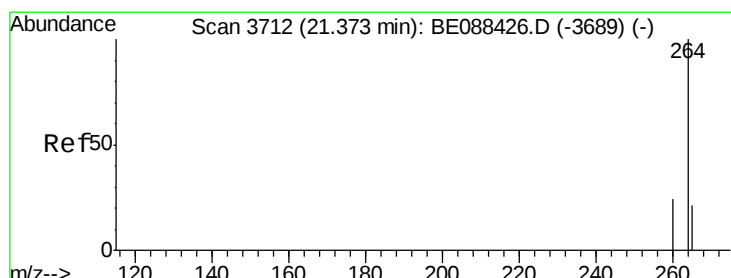
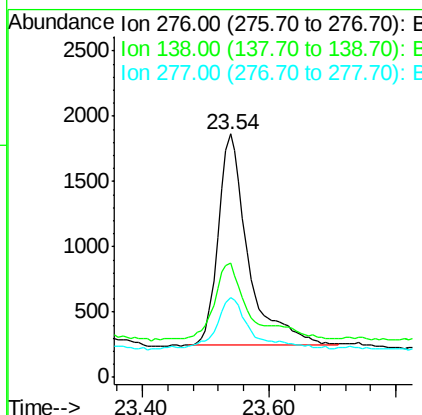
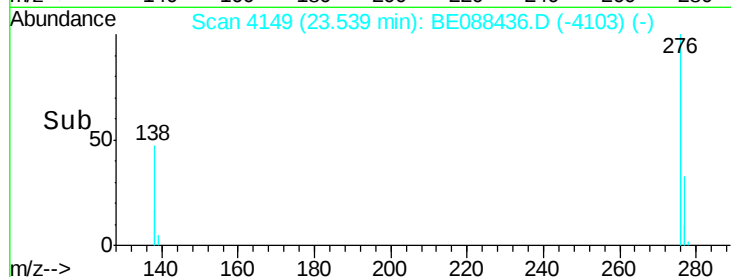
Instrument :
BNA_E
ClientSampleId :
YS19-SB20-1014



Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.8	20.2	30.2
277	27.6	14.8	22.2

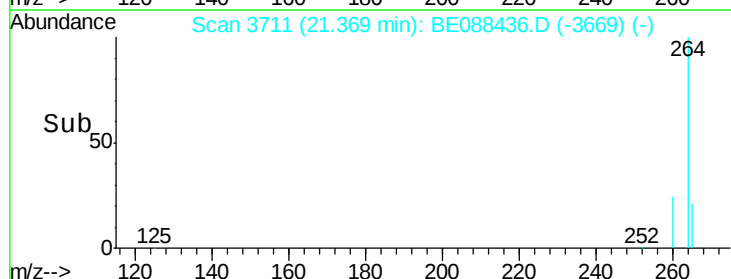
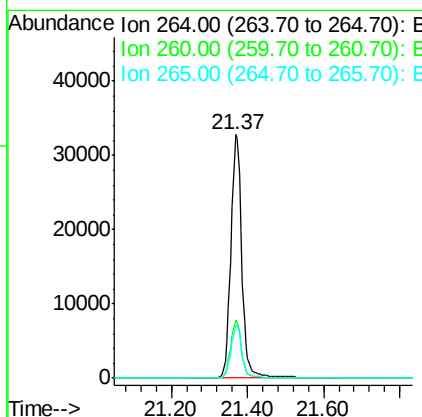
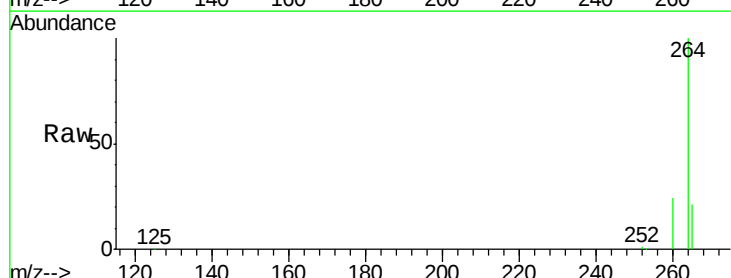
Manual Integrations
APPROVED

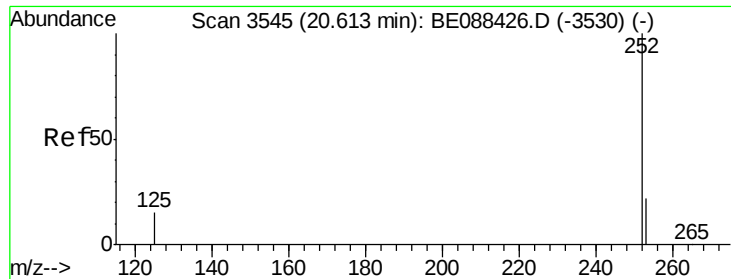
mohammad
11/4/2014 9:06:22 AM



#22
Perylene-d12
Concen: 5.00 ng
RT: 21.37 min Scan# 3711
Delta R.T. -0.00 min
Lab File: BE088436.D
Acq: 31 Oct 2014 23:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.5	17.2	25.8





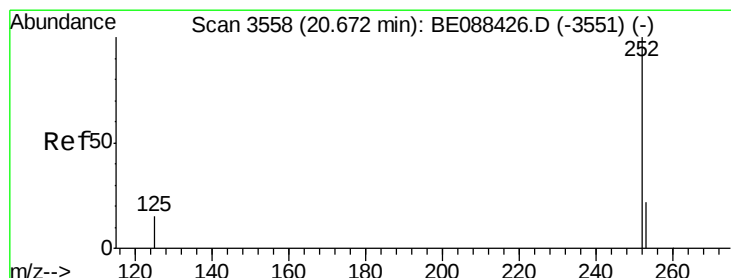
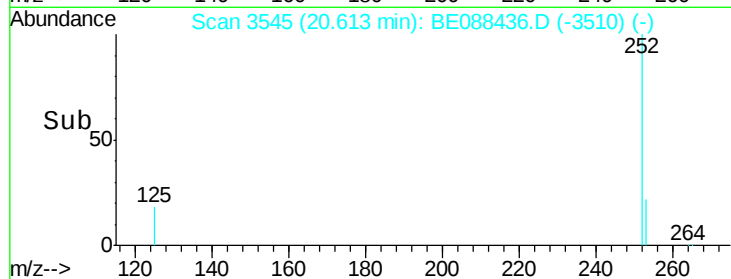
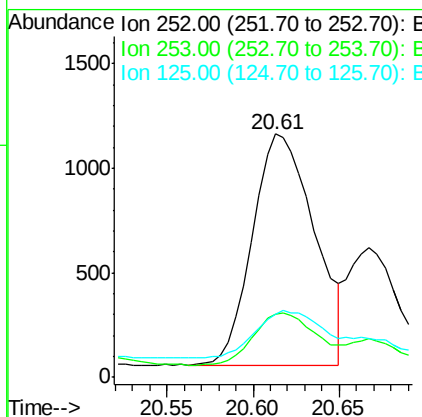
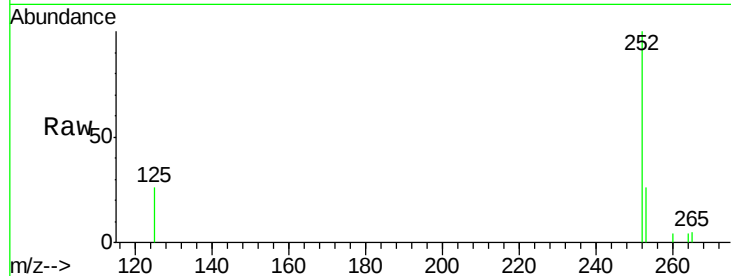
#23
Benzo(b)fluoranthene
Concen: 0.19 ng
RT: 20.61 min Scan# 3545
Delta R.T. 0.00 min
Lab File: BE088436.D
Acq: 31 Oct 2014 23:43

Instrument :
BNA_E
ClientSampleId :
YS19-SB20-1014

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.8	26.8
125	25.7	12.3	18.5#

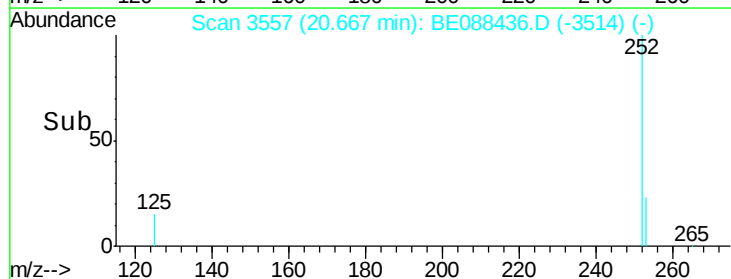
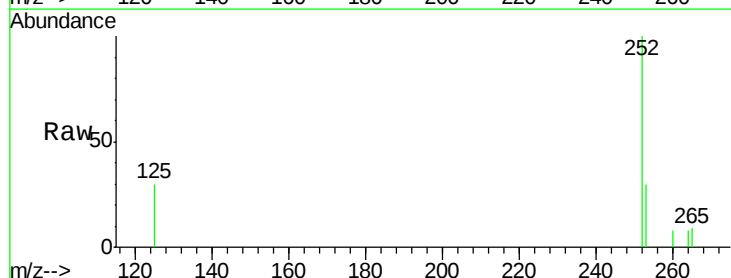
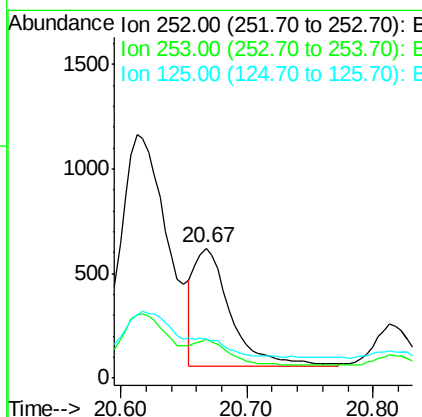
Manual Integrations
APPROVED

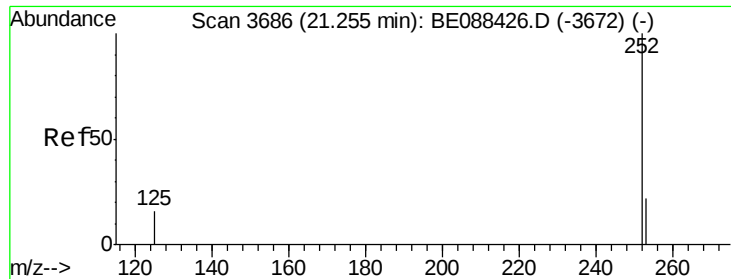
mohammad
11/4/2014 9:06:22 AM



#24
Benzo(k)fluoranthene
Concen: 0.07 ng
RT: 20.67 min Scan# 3557
Delta R.T. -0.00 min
Lab File: BE088436.D
Acq: 31 Oct 2014 23:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	17.8	26.8#
125	29.6	12.2	18.4#





#25

Benzo(a)pyrene

Concen: 0.14 ng

RT: 21.25 min Scan# 3685

Delta R.T. -0.00 min

Lab File: BE088436.D

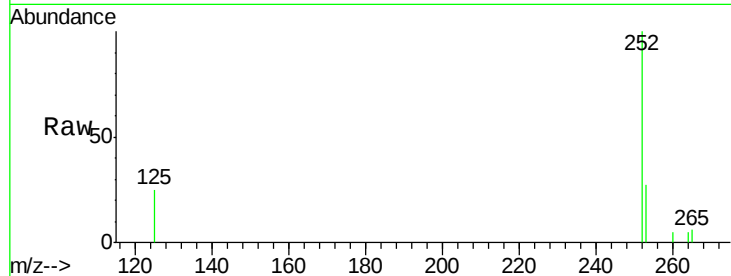
Acq: 31 Oct 2014 23:43

Instrument :

BNA_E

ClientSampleId :

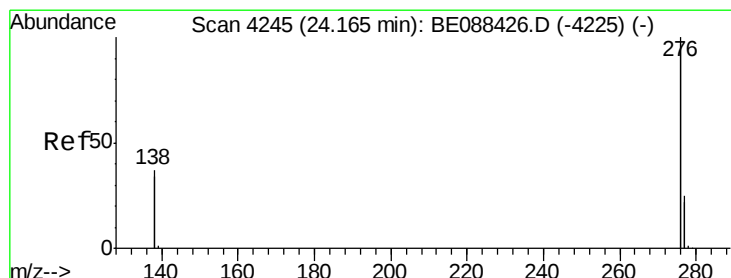
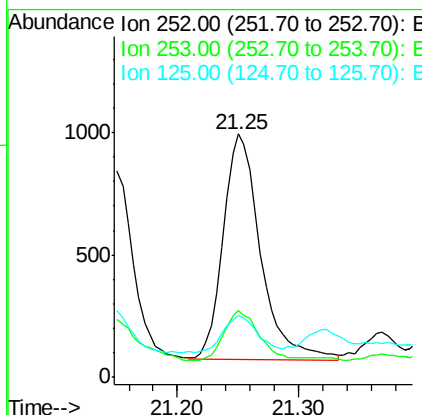
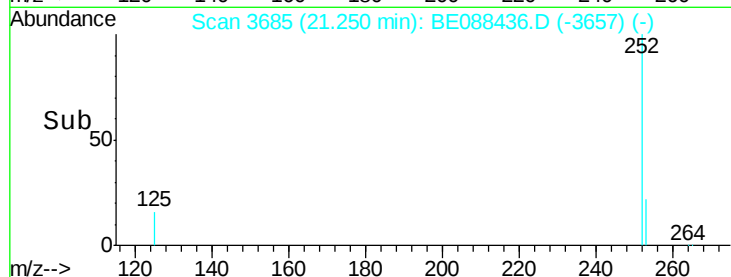
YS19-SB20-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.2	27.4
125	25.3	13.7	20.5#

Manual Integrations
APPROVED

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#27

Benzo(g,h,i)perylene

Concen: 0.10 ng

RT: 24.16 min Scan# 4245

Delta R.T. -0.00 min

Lab File: BE088436.D

Acq: 31 Oct 2014 23:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.6	19.8	29.6#
138	47.4	29.3	43.9#

