

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088443.D
 Acq On : 1 Nov 2014 3:39
 Operator : TP/JJ
 Sample : F4379-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS38P-1014

Manual Integrations
 APPROVED

mohammad
 11/4/2014 9:06:39 AM

Quant Time: Nov 01 05:44:05 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	45546	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	162016	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	65990	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	117329	5.00	ng	0.00
16) Chrysene-d12	18.31	240	104133	5.00	ng	0.00
22) Perylene-d12	21.38	264	109378	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	697929	58.74	ng	0.02
8) 2-Fluorobiphenyl	9.99	172	766486	41.21	ng	0.00
18) Terphenyl-d14	16.10	244	429171	22.43	ng	0.02
Target Compounds						
9) Acenaphthylene	10.62	152	12530	0.12	ng	Qvalue # 98
11) Fluorene	11.50	166	686	0.04	ng	# 92
13) Phenanthrene	12.94	178	20260m	0.19	ng	
14) Anthracene	13.03	178	17473	0.20	ng	# 96
15) Fluoranthene	15.18	202	18662	1.08	ng	100
17) Pyrene	15.63	202	21845	0.64	ng	98
19) Benzo(a)anthracene	18.29	228	48317	0.49	ng	96
20) Chrysene	18.36	228	88349	0.92	ng	99
21) Indeno(1,2,3-cd)pyrene	23.55	276	89606	1.00	ng	# 88
23) Benzo(b)fluoranthene	20.62	252	41954	1.75	ng	98
24) Benzo(k)fluoranthene	20.67	252	14510	0.55	ng	97
25) Benzo(a)pyrene	21.25	252	21364	0.93	ng	98
26) Dibenzo(a,h)anthracene	23.63	278	4330	0.20	ng	# 89
27) Benzo(g,h,i)perylene	24.17	276	91498	0.93	ng	99

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

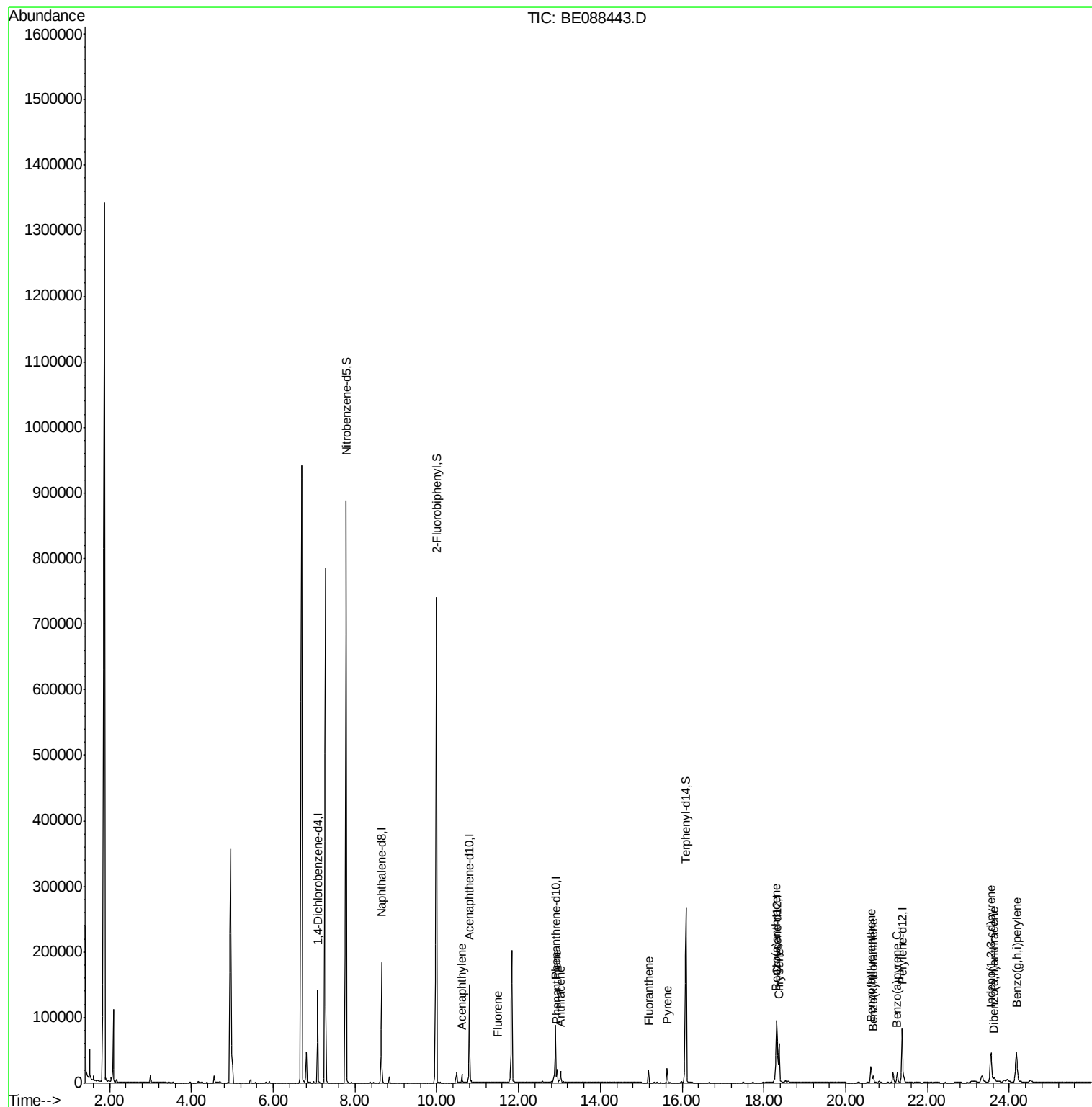
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
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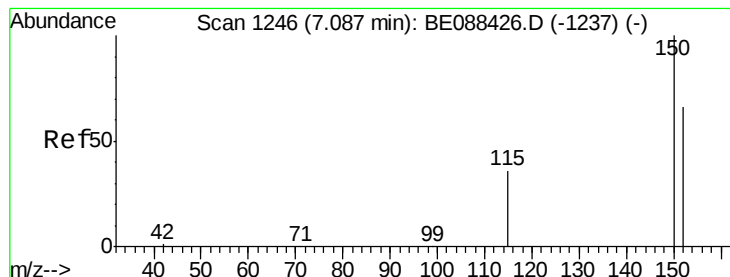
Instrument :
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YS19-SS38P-1014

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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: BE088443.D

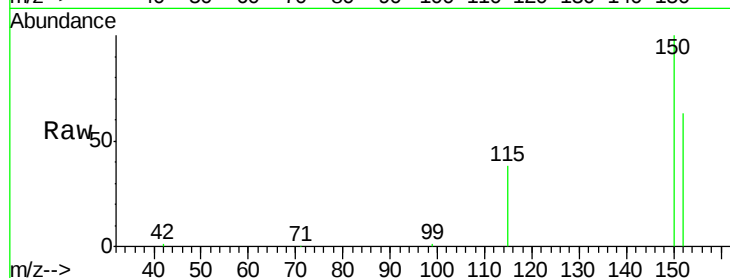
Acq: 1 Nov 2014 3:39

Instrument :

BNA_E

ClientSampleId :

YS19-SS38P-1014



Tgt Ion:152 Resp: 45546

Ion Ratio Lower Upper

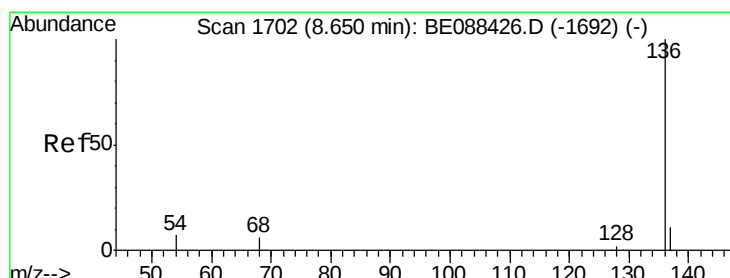
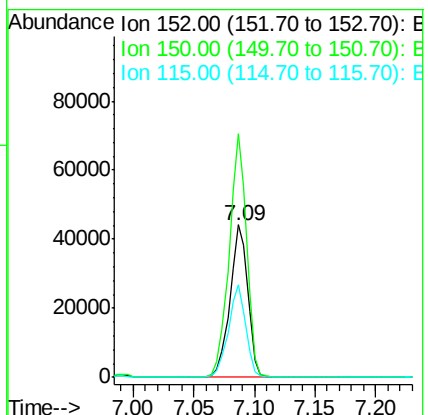
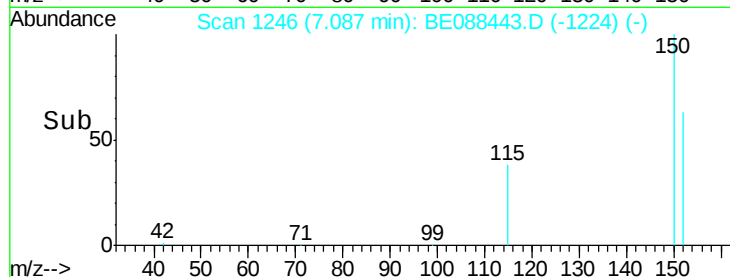
152 100

150 159.5 121.8 182.8

115 60.4 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: BE088443.D

Acq: 1 Nov 2014 3:39

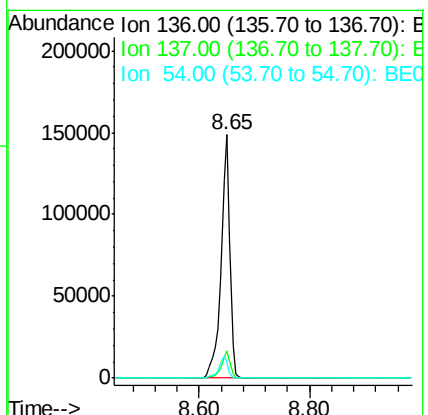
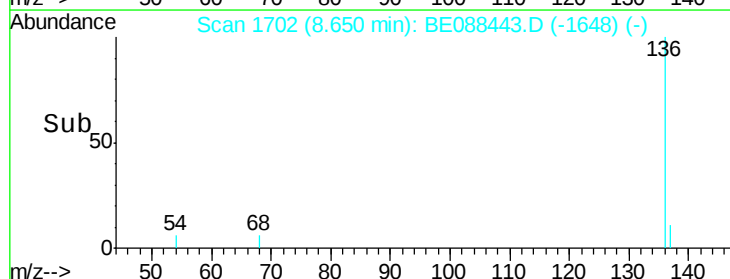
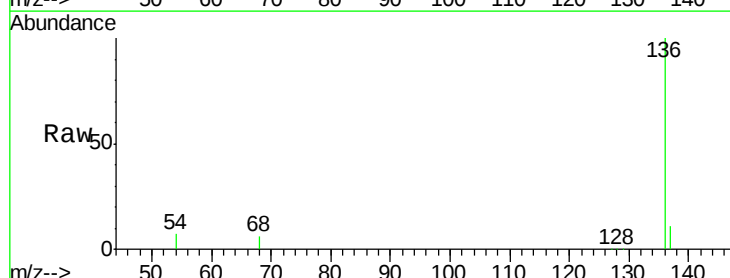
Tgt Ion:136 Resp: 162016

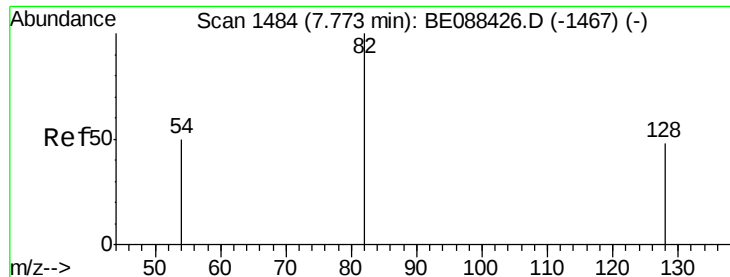
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.7 5.3 7.9





#4

Nitrobenzene-d5

Concen: 58.74 ng

RT: 7.79 min Scan# 1491

Delta R.T. 0.02 min

Lab File: BE088443.D

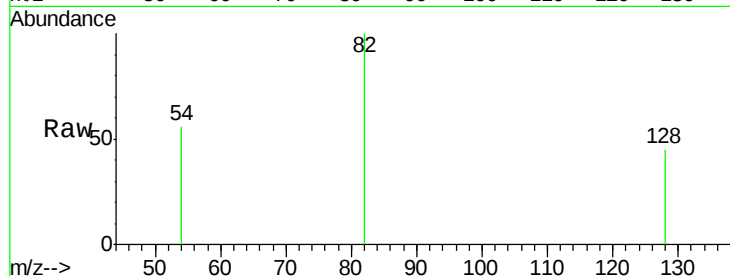
Acq: 1 Nov 2014 3:39

Instrument :

BNA_E

ClientSampleId :

YS19-SS38P-1014



Tgt Ion: 82 Resp: 697929

Ion Ratio Lower Upper

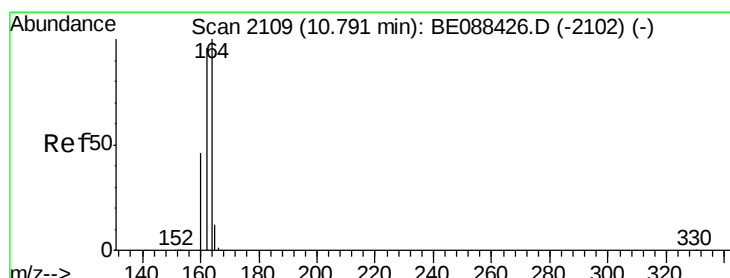
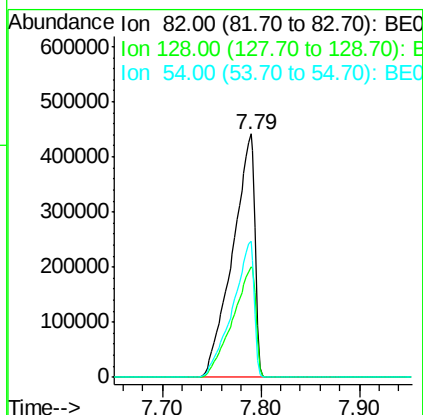
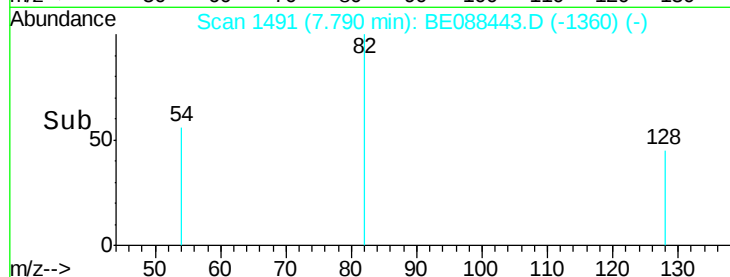
82 100

128 45.3 38.4 57.6

54 56.0 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: BE088443.D

Acq: 1 Nov 2014 3:39

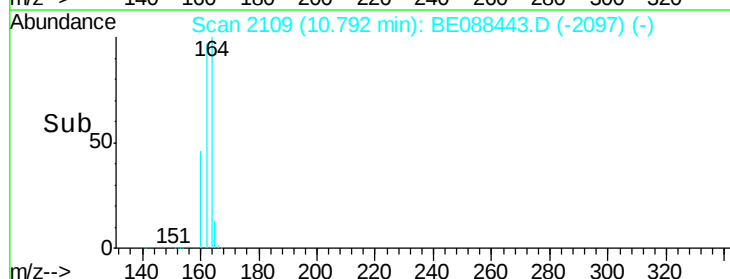
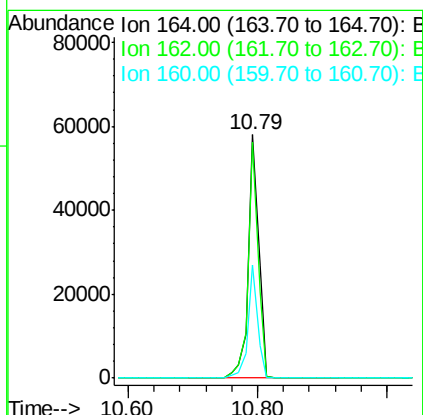
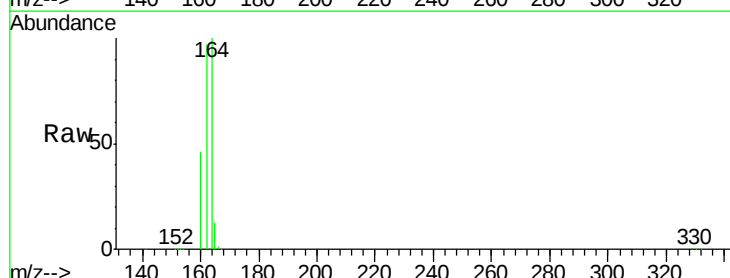
Tgt Ion: 164 Resp: 65990

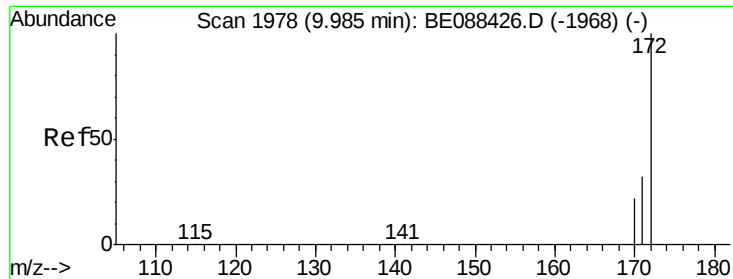
Ion Ratio Lower Upper

164 100

162 96.8 77.0 115.4

160 46.5 36.8 55.2





#8

2-Fluorobiphenyl

Concen: 41.21 ng

RT: 9.99 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BE088443.D

Acq: 1 Nov 2014 3:39

Instrument :

BNA_E

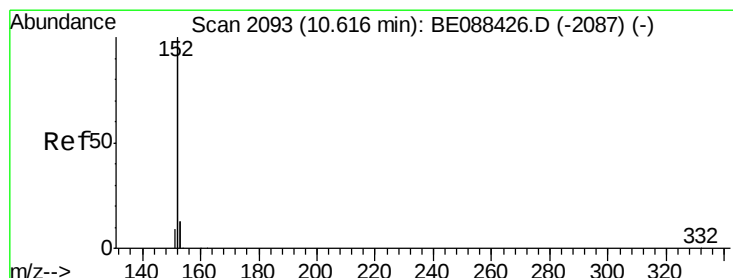
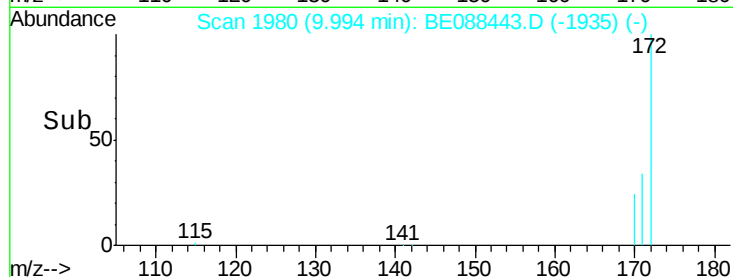
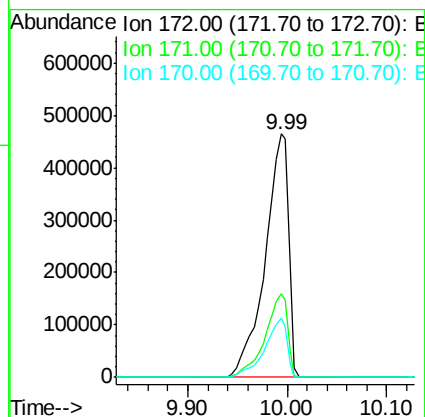
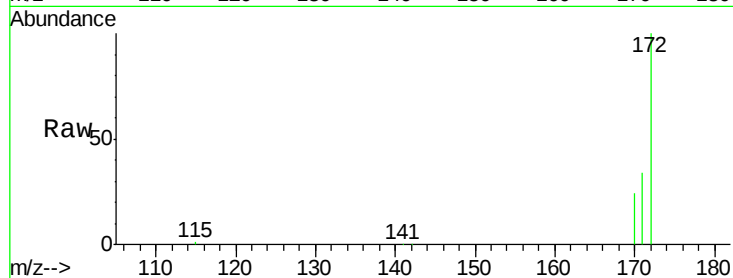
ClientSampleId :

YS19-SS38P-1014

Tgt Ion:	172	Resp:	766486
Ion Ratio	Lower	Upper	
172	100		
171	34.4	26.0	39.0
170	24.2	17.6	26.4

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#9

Acenaphthylene

Concen: 0.12 ng

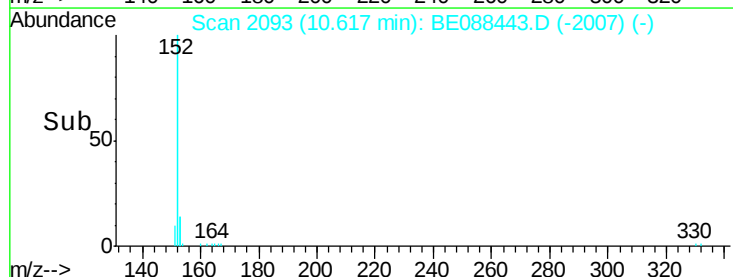
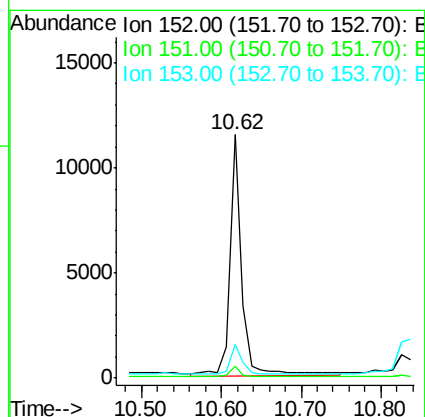
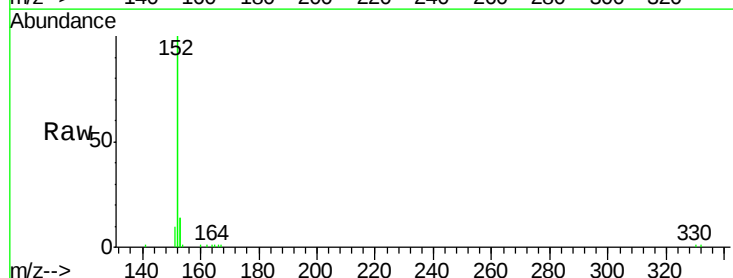
RT: 10.62 min Scan# 2093

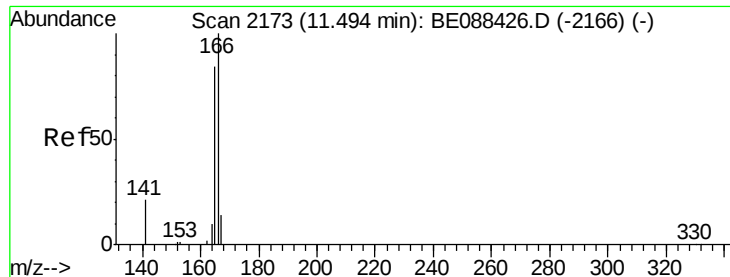
Delta R.T. 0.00 min

Lab File: BE088443.D

Acq: 1 Nov 2014 3:39

Tgt Ion:	152	Resp:	12530
Ion Ratio	Lower	Upper	
152	100		
151	4.1	4.4	6.6#
153	13.5	10.5	15.7





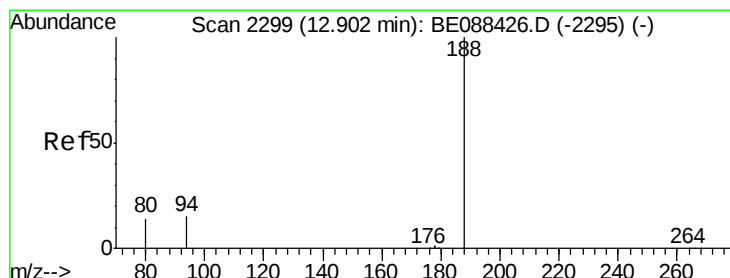
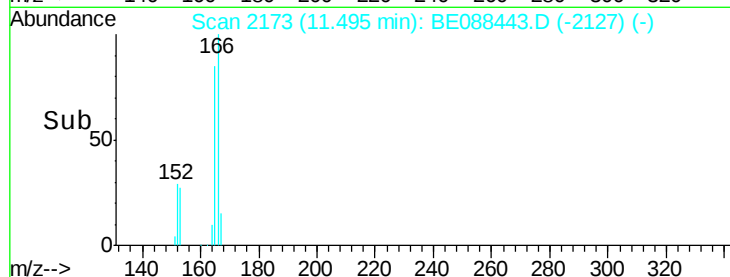
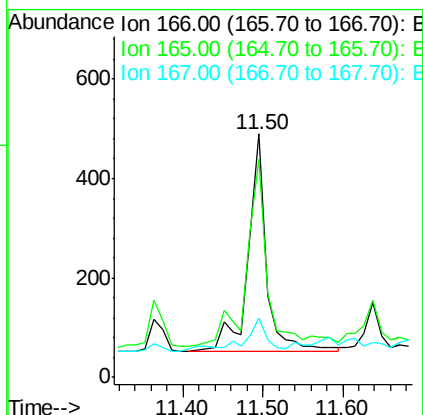
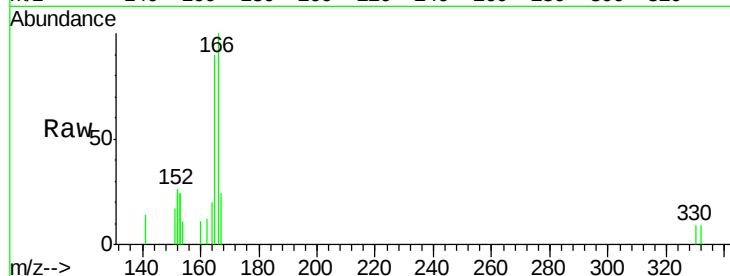
#11
Fluorene
Concen: 0.04 ng
RT: 11.50 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BE088443.D
Acq: 1 Nov 2014 3:39

Instrument :
BNA_E
ClientSampleId :
YS19-SS38P-1014

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.3	71.3	106.9
167	19.8	10.7	16.1

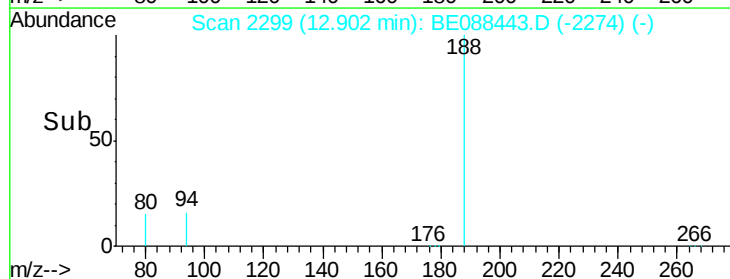
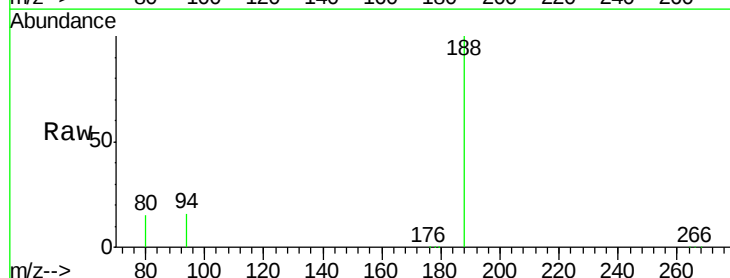
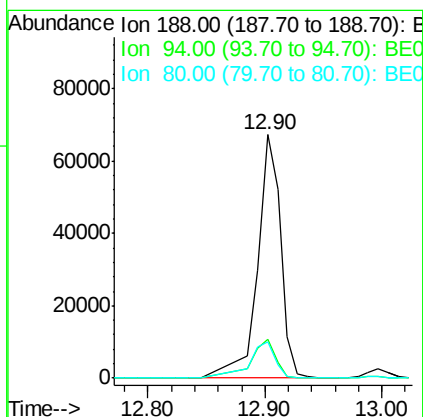
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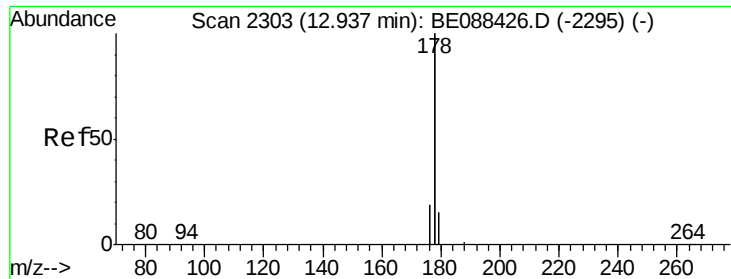
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#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.90 min Scan# 2299
Delta R.T. -0.00 min
Lab File: BE088443.D
Acq: 1 Nov 2014 3:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.9	11.8	17.8
80	14.7	10.9	16.3





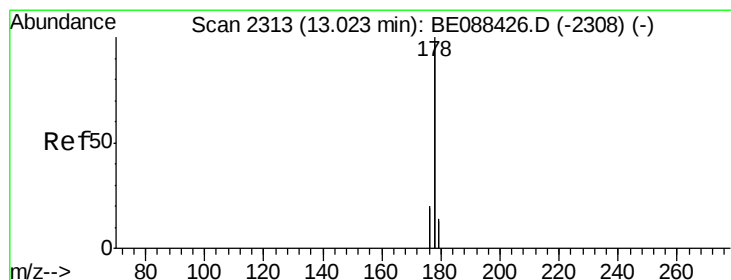
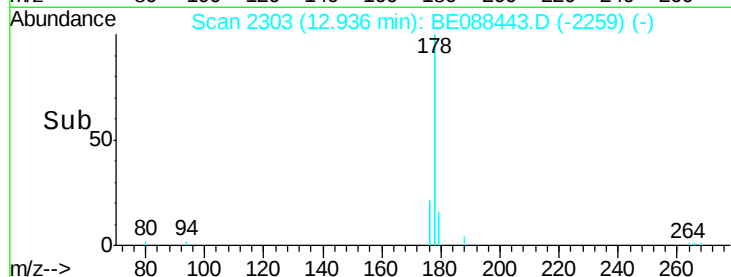
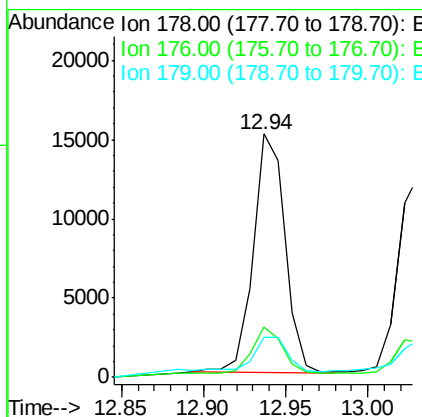
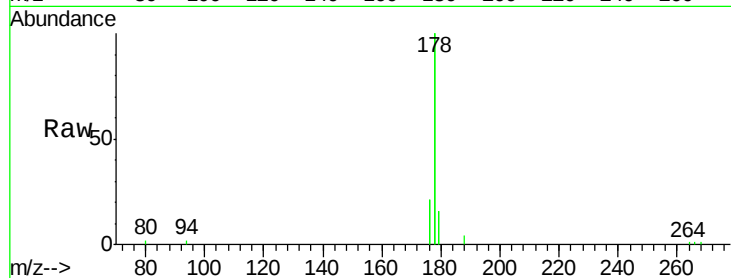
#13
Phenanthrene
Concen: 0.19 ng m
RT: 12.94 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BE088443.D
Acq: 1 Nov 2014 3:39

Instrument :
BNA_E
ClientSampleId :
YS19-SS38P-1014

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.4	15.4	23.2
179	16.5	12.8	19.2

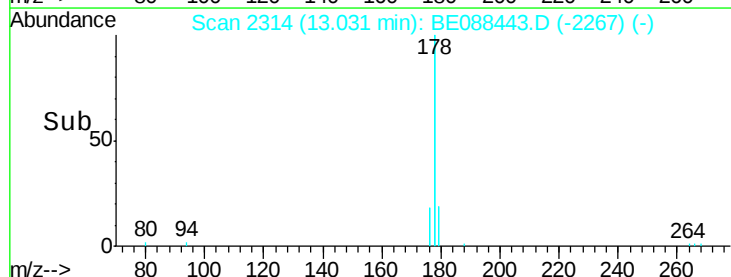
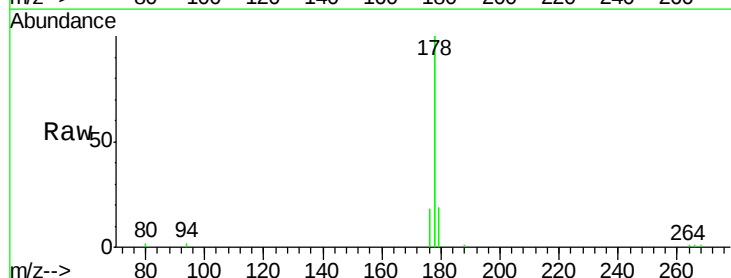
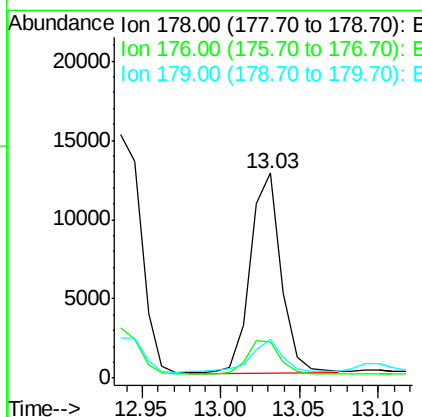
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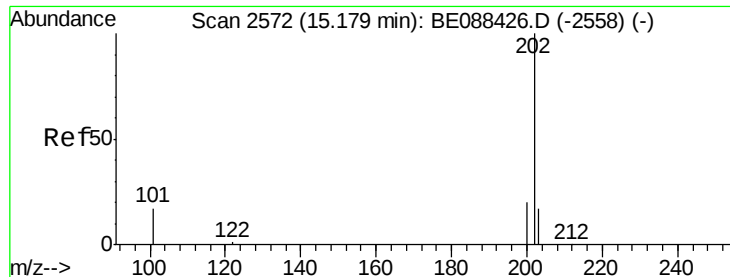
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#14
Anthracene
Concen: 0.20 ng
RT: 13.03 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BE088443.D
Acq: 1 Nov 2014 3:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	19.1	12.5	18.7#





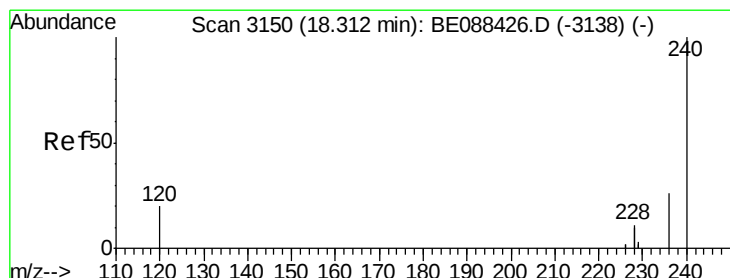
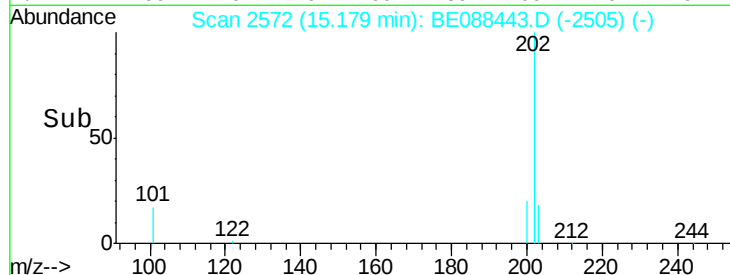
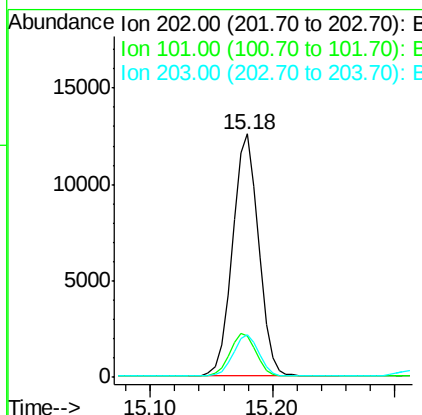
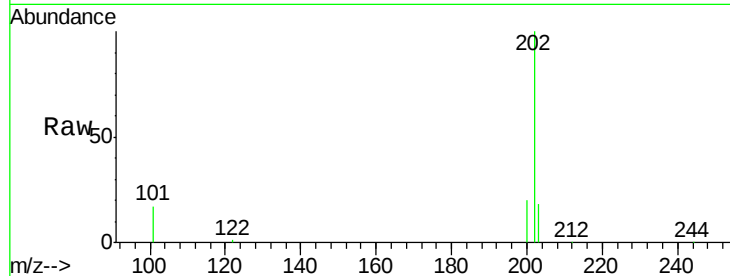
#15
Fluoranthene
 Concen: 1.08 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BE088443.D
 Acq: 1 Nov 2014 3:39

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS38P-1014

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	17.8	14.3	21.5
203	17.1	13.6	20.4

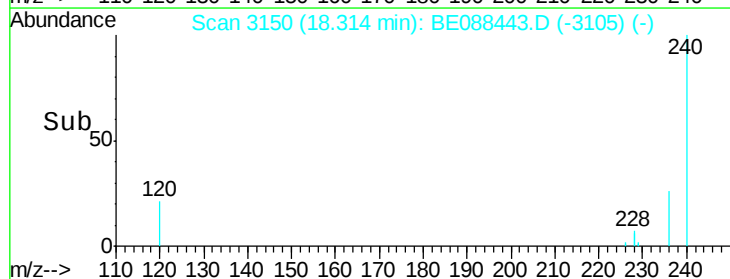
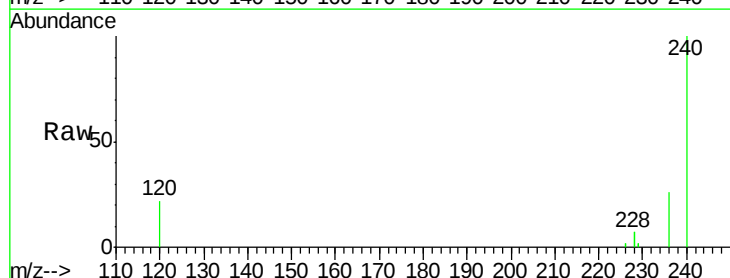
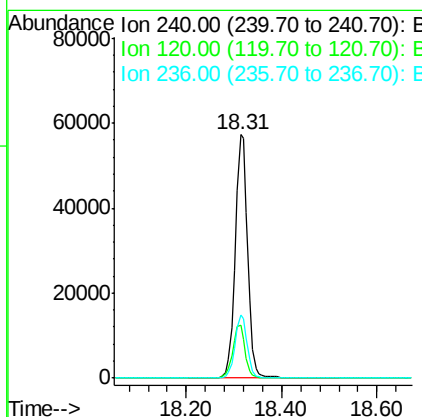
Manual Integrations
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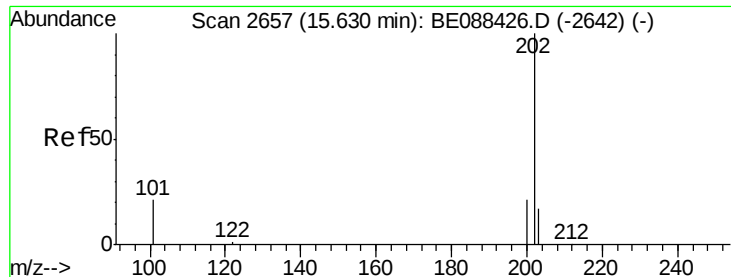
mohammad
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#16
Chrysene-d12
 Concen: 5.00 ng
 RT: 18.31 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: BE088443.D
 Acq: 1 Nov 2014 3:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	21.6	16.4	24.6
236	25.8	20.5	30.7





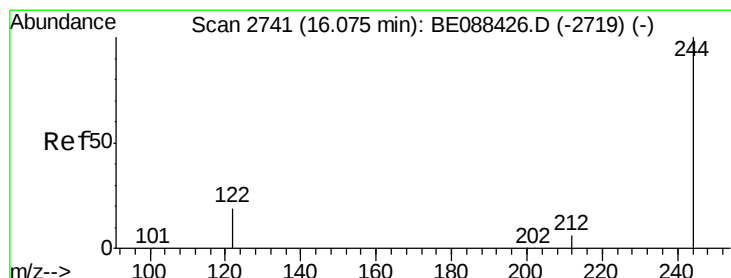
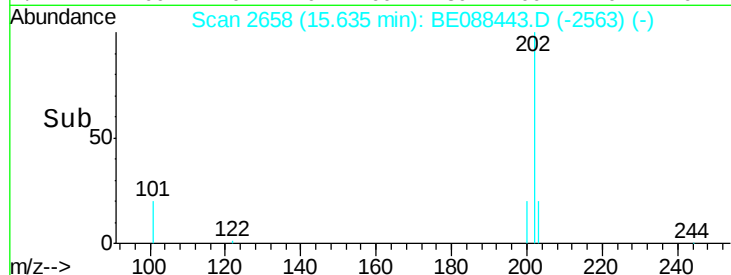
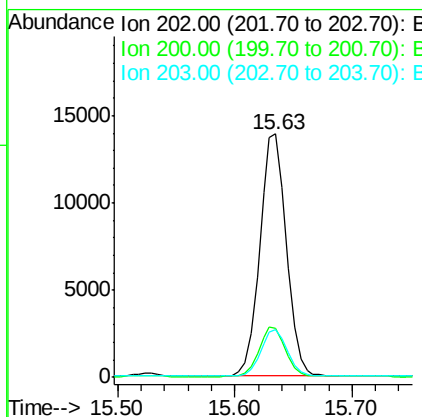
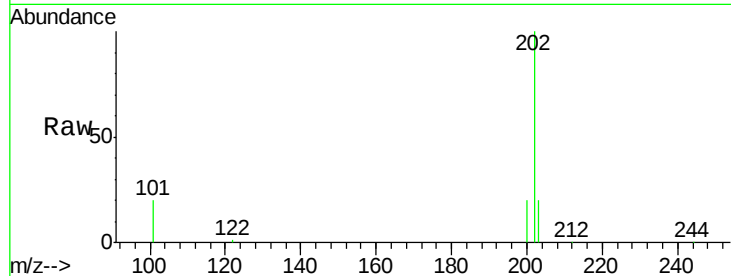
#17
 Pyrene
 Concen: 0.64 ng
 RT: 15.63 min Scan# 2658
 Delta R.T. 0.01 min
 Lab File: BE088443.D
 Acq: 1 Nov 2014 3:39

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS38P-1014

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	21845		
200	20.2	16.1	24.1	
203	19.0	13.8	20.8	

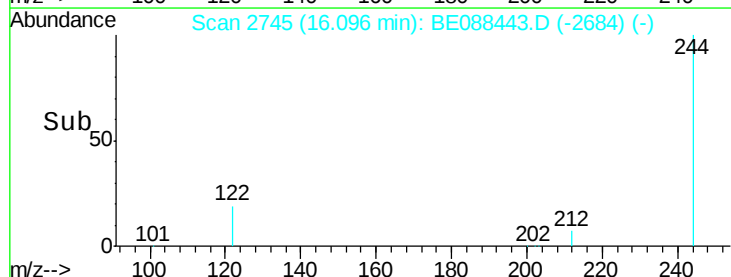
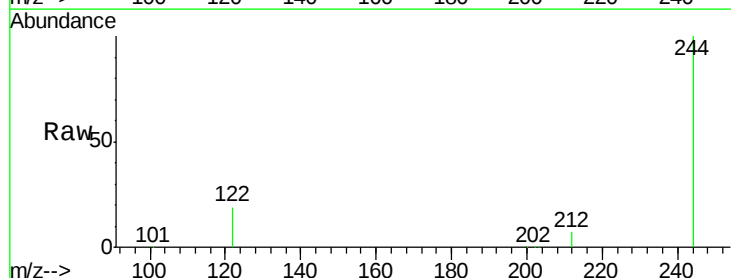
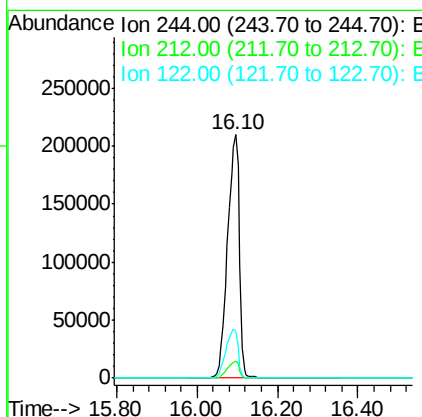
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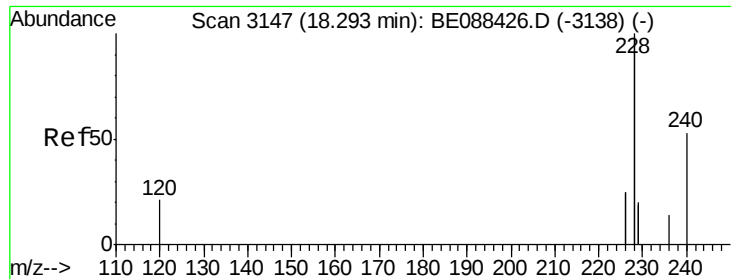
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#18
 Terphenyl-d14
 Concen: 22.43 ng
 RT: 16.10 min Scan# 2745
 Delta R.T. 0.02 min
 Lab File: BE088443.D
 Acq: 1 Nov 2014 3:39

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	429171		
212	7.0	5.5	8.3	
122	19.3	15.6	23.4	





#19

Benzo(a)anthracene

Concen: 0.49 ng

RT: 18.29 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BE088443.D

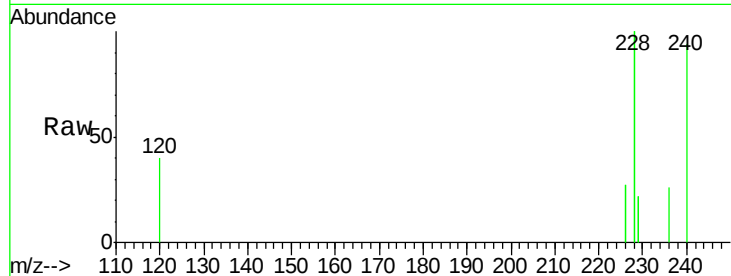
Acq: 1 Nov 2014 3:39

Instrument :

BNA_E

ClientSampleId :

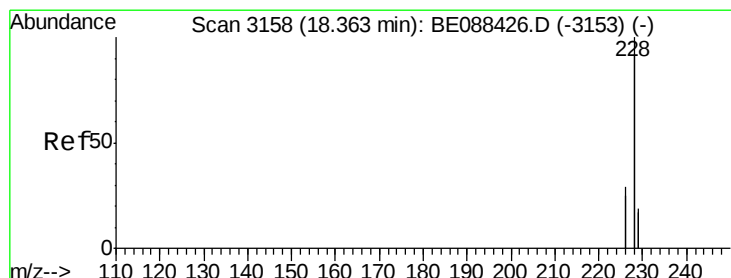
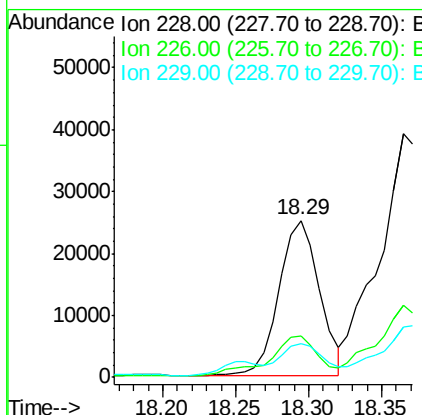
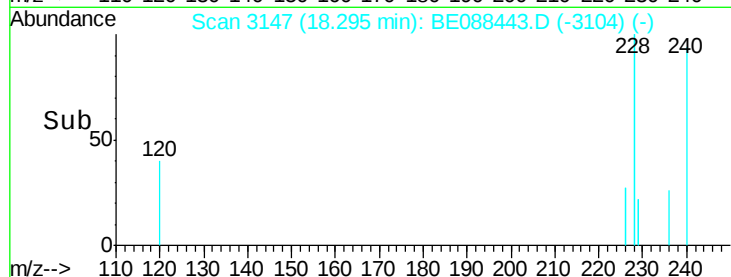
YS19-SS38P-1014



Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.6	19.8	29.6
229	21.6	16.0	24.0

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#20

Chrysene

Concen: 0.92 ng

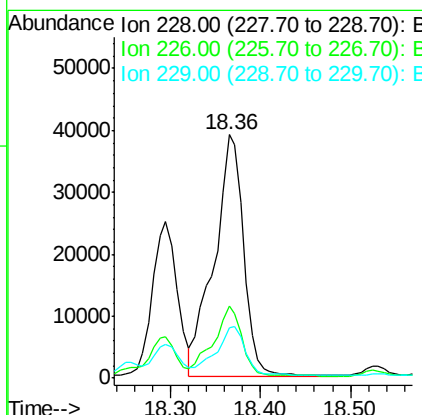
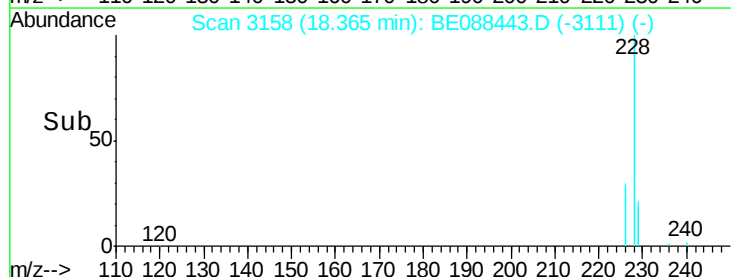
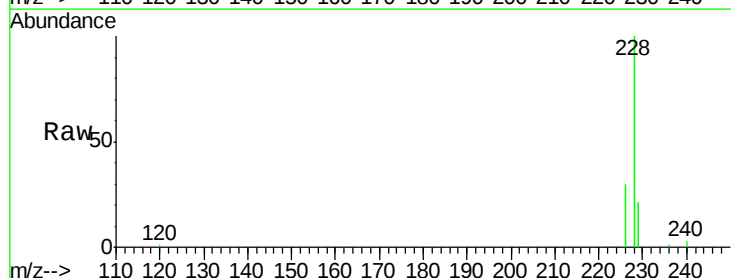
RT: 18.36 min Scan# 3158

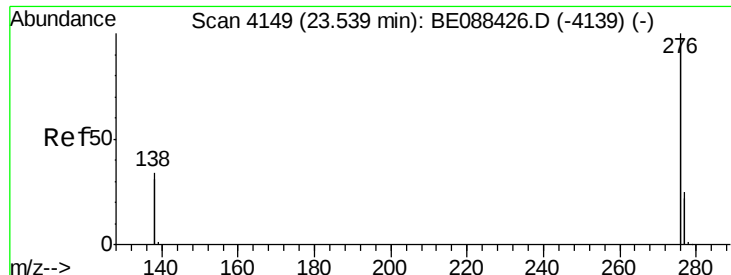
Delta R.T. 0.00 min

Lab File: BE088443.D

Acq: 1 Nov 2014 3:39

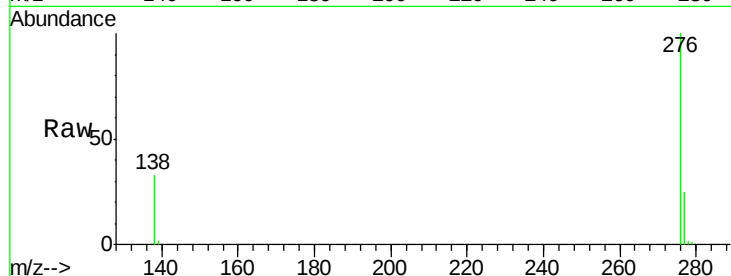
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.6	35.4
229	20.5	15.4	23.2





#21
Indeno(1,2,3-cd)pyrene
Concen: 1.00 ng
RT: 23.55 min Scan# 4151
Delta R.T. 0.01 min
Lab File: BE088443.D
Acq: 1 Nov 2014 3:39

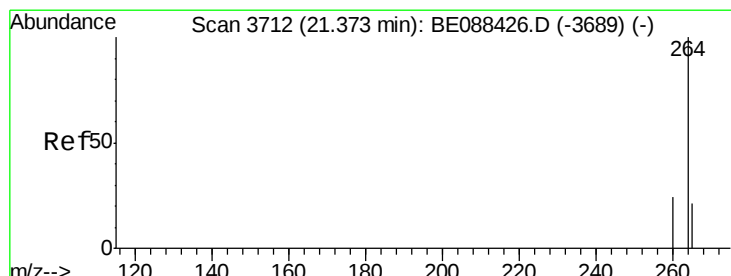
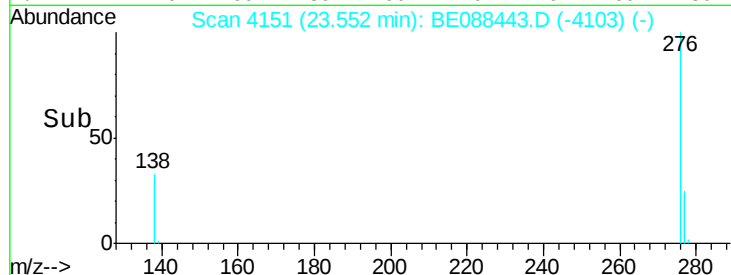
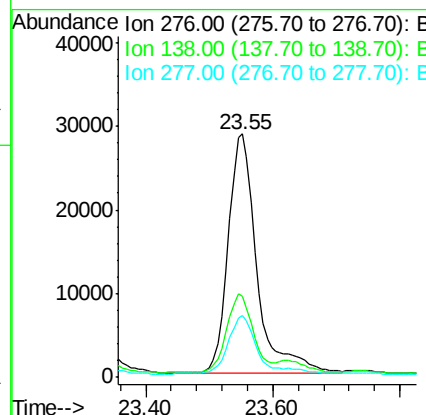
Instrument :
BNA_E
ClientSampleId :
YS19-SS38P-1014



Tgt Ion	Ratio	Resp	Lower	Upper
276	100	89606		
138	30.7	20.2	30.2#	
277	24.2	14.8	22.2#	

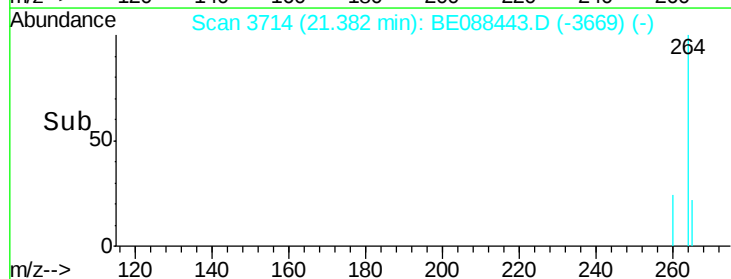
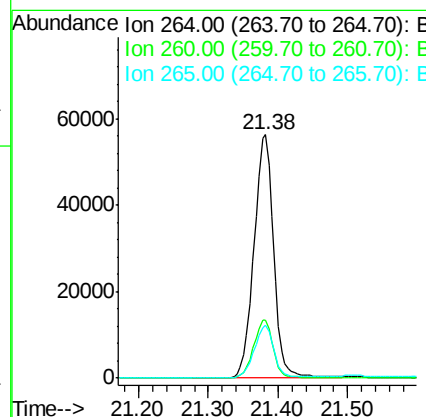
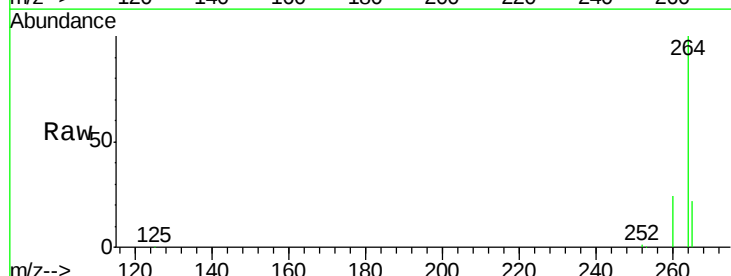
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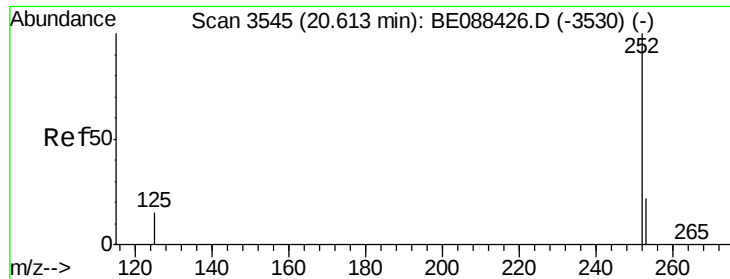
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.38 min Scan# 3714
Delta R.T. 0.01 min
Lab File: BE088443.D
Acq: 1 Nov 2014 3:39

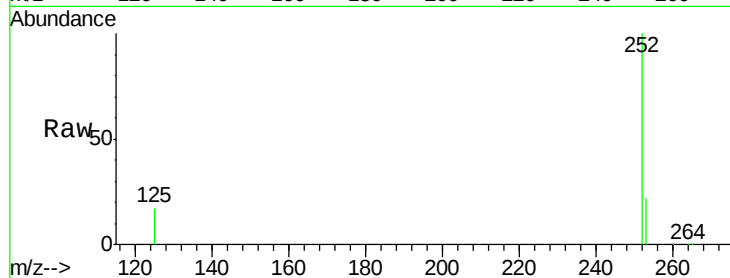
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	109378		
260	23.8	18.9	28.3	
265	21.7	17.2	25.8	





#23
Benzo(b)fluoranthene
Concen: 1.75 ng
RT: 20.62 min Scan# 3546
Delta R.T. 0.00 min
Lab File: BE088443.D
Acq: 1 Nov 2014 3:39

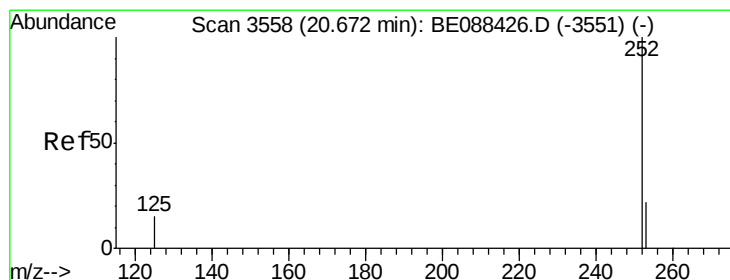
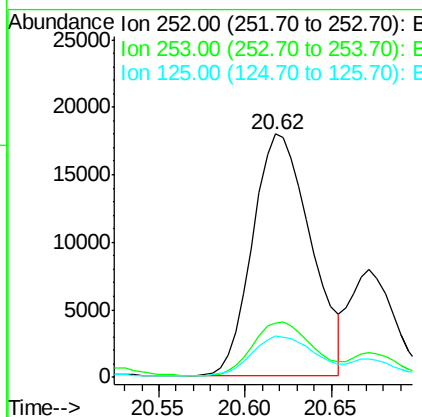
Instrument :
BNA_E
ClientSampleId :
YS19-SS38P-1014



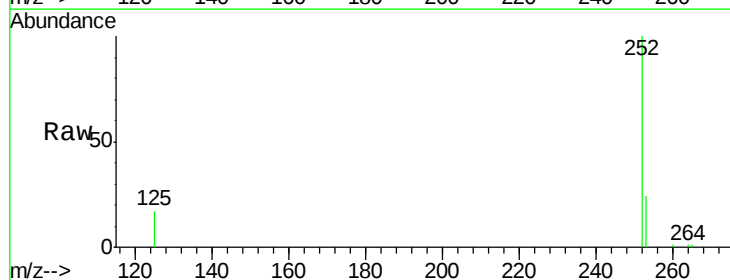
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	16.8	12.3	18.5

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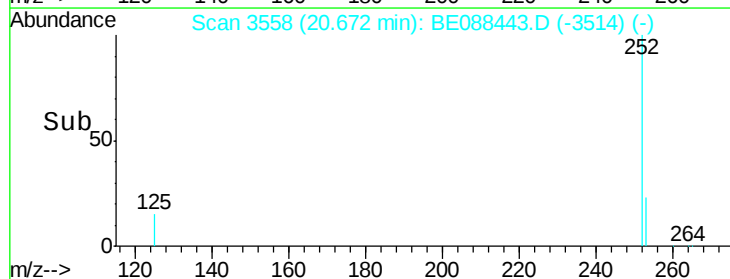
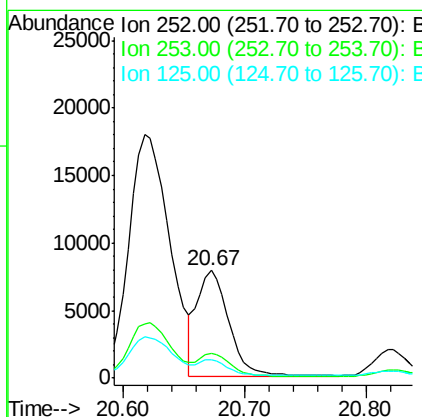
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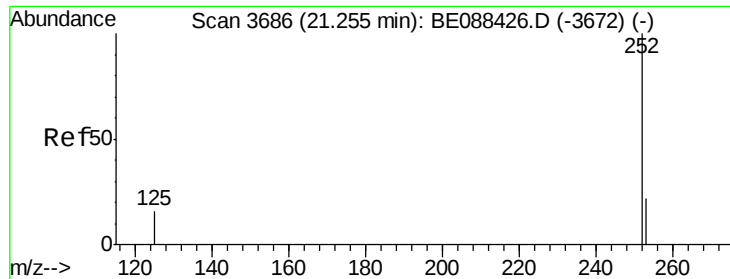


#24
Benzo(k)fluoranthene
Concen: 0.55 ng
RT: 20.67 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BE088443.D
Acq: 1 Nov 2014 3:39



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	17.0	12.2	18.4





#25

Benzo(a)pyrene

Concen: 0.93 ng

RT: 21.25 min Scan# 3686

Delta R.T. 0.00 min

Lab File: BE088443.D

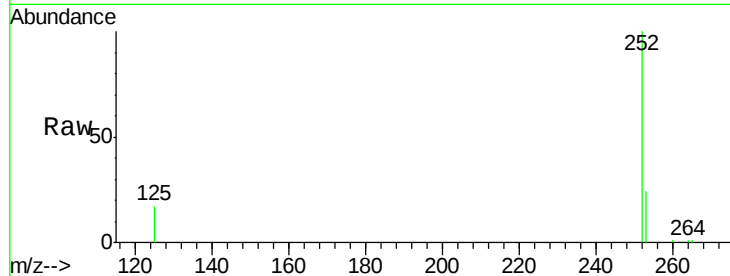
Acq: 1 Nov 2014 3:39

Instrument :

BNA_E

ClientSampleId :

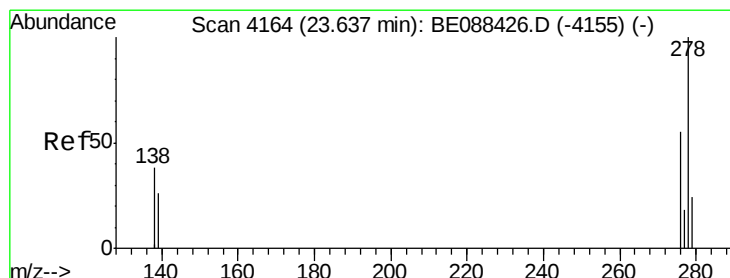
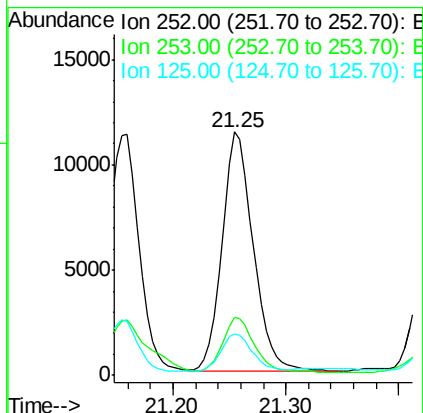
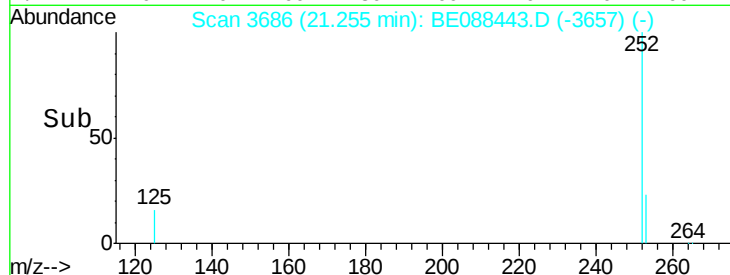
YS19-SS38P-1014



Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	17.2	13.7	20.5

Manual Integrations
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#26

Dibenzo(a,h)anthracene

Concen: 0.20 ng

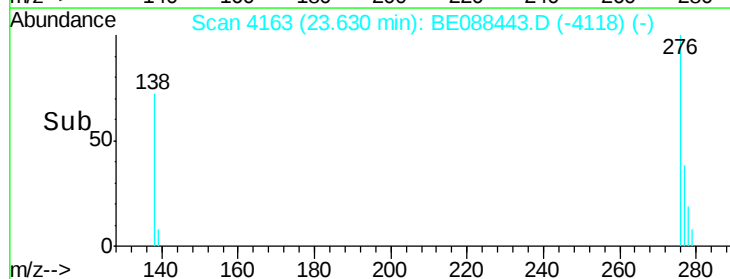
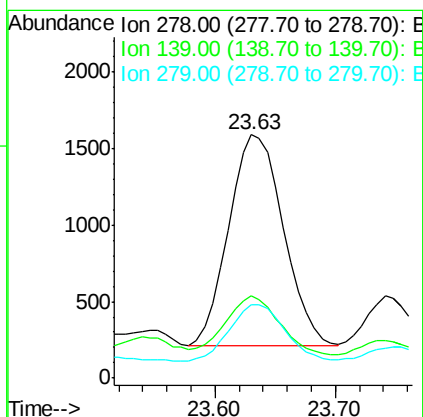
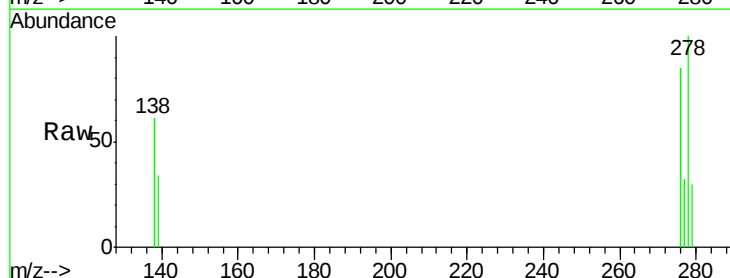
RT: 23.63 min Scan# 4163

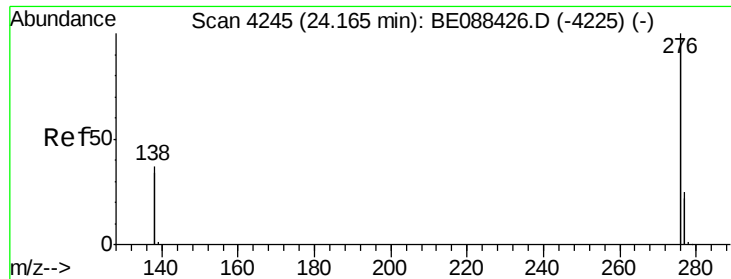
Delta R.T. -0.01 min

Lab File: BE088443.D

Acq: 1 Nov 2014 3:39

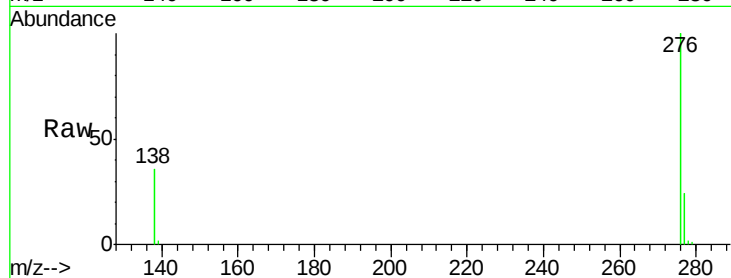
Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.7	22.1	33.1#
279	30.2	19.7	29.5#





#27
 Benzo(g,h,i)perylene
 Concen: 0.93 ng
 RT: 24.17 min Scan# 4246
 Delta R.T. 0.01 min
 Lab File: BE088443.D
 Acq: 1 Nov 2014 3:39

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS38P-1014



Tgt	Ion	276	Resp:	91498
Ion	Ratio	Lower	Upper	
276	100			
277	24.3	19.8	29.6	
138	35.5	29.3	43.9	

Manual Integrations
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