

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088439.D
 Acq On : 1 Nov 2014 1:25
 Operator : TP/JJ
 Sample : F4372-37 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SD02P-1014

Manual Integrations
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mohammad
 11/4/2014 9:06:36 AM

Quant Time: Nov 01 04:52:53 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	49584	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	188297	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	81098	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	139493	5.00	ng	0.00
16) Chrysene-d12	18.31	240	69892	5.00	ng	0.00
22) Perylene-d12	21.37	264	64436	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.78	82	184727	13.38	ng	0.00
8) 2-Fluorobiphenyl	9.99	172	254835	11.15	ng	0.00
18) Terphenyl-d14	16.08	244	128673	10.02	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.67	128	5642	0.14	ng	98
6) 2-Methylnaphthalene	9.52	142	1210	0.05	ng	98
9) Acenaphthylene	10.62	152	3796	0.03	ng	# 76
10) Acenaphthene	10.84	154	7894	0.41	ng	95
11) Fluorene	11.49	166	7005	0.34	ng	99
13) Phenanthrene	12.94	178	578838	4.57	ng	99
14) Anthracene	13.02	178	104243m	1.02	ng	
15) Fluoranthene	15.18	202	118232	5.75	ng	99
17) Pyrene	15.63	202	93448m	4.10	ng	
19) Benzo(a)anthracene	18.29	228	169782	2.58	ng	99
20) Chrysene	18.36	228	164211	2.54	ng	98
21) Indeno(1,2,3-cd)pyrene	23.55	276	82743	1.37	ng	# 88
23) Benzo(b)fluoranthene	20.62	252	44146	3.12	ng	98
24) Benzo(k)fluoranthene	20.67	252	17390	1.12	ng	99
25) Benzo(a)pyrene	21.25	252	30532	2.25	ng	99
26) Dibenzo(a,h)anthracene	23.63	278	3776	0.30	ng	# 91
27) Benzo(g,h,i)perylene	24.17	276	74475	1.29	ng	99

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

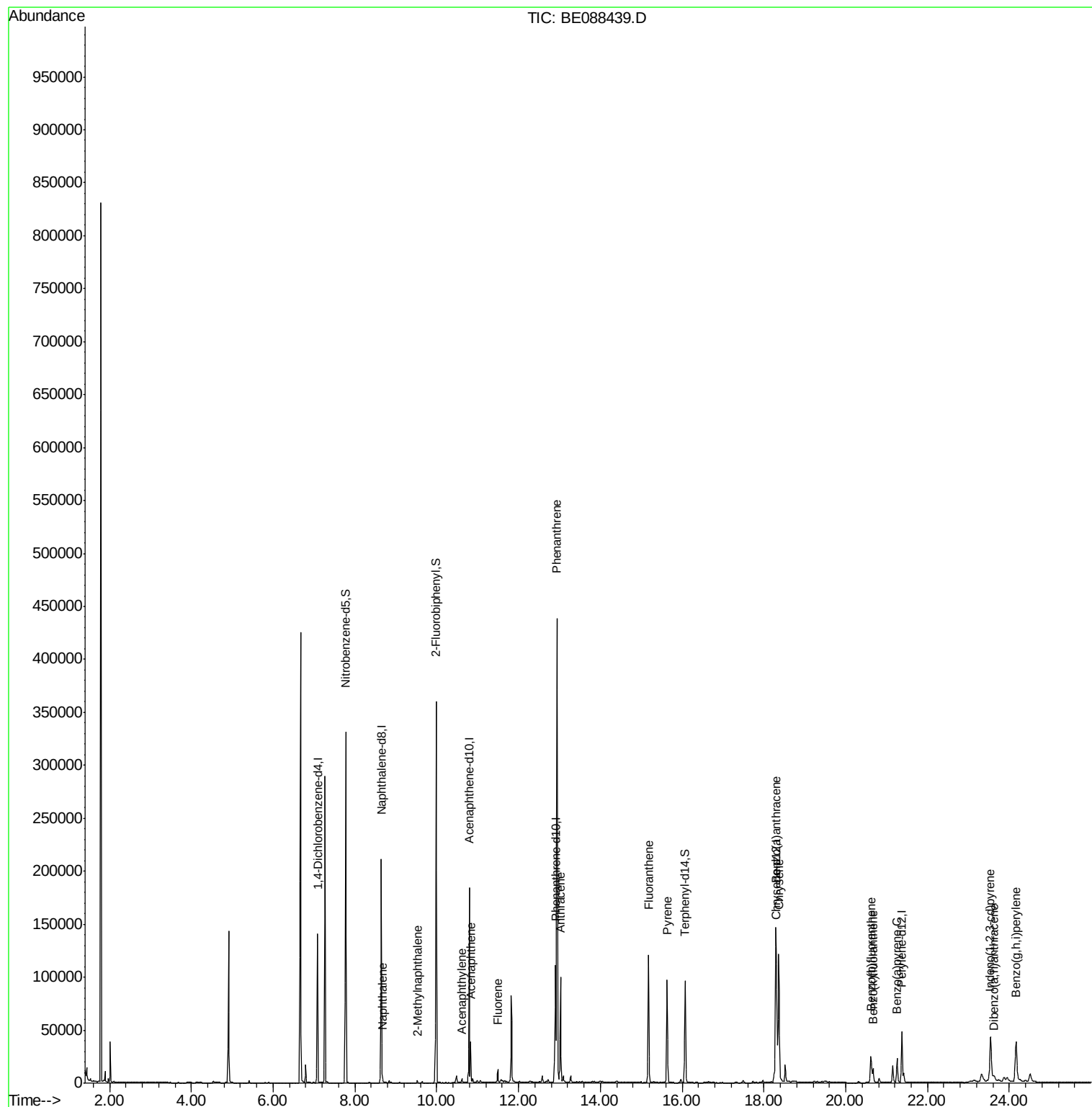
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
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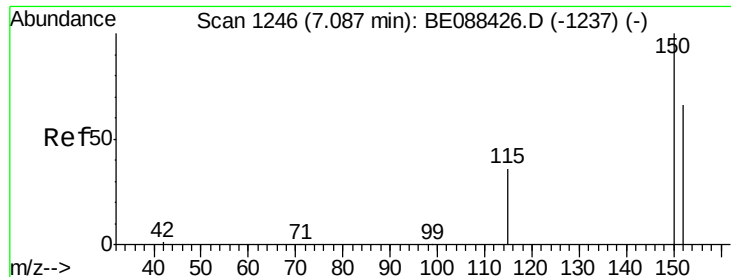
Instrument :
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ClientSampleId :
YS19-SD02P-1014

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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: BE088439.D

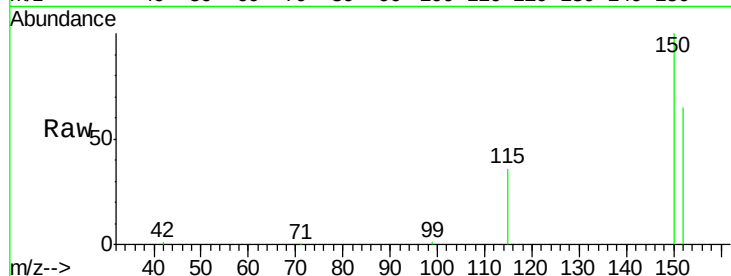
Acq: 1 Nov 2014 1:25

Instrument :

BNA_E

ClientSampleId :

YS19-SD02P-1014



Tgt Ion:152 Resp: 49584

Ion Ratio Lower Upper

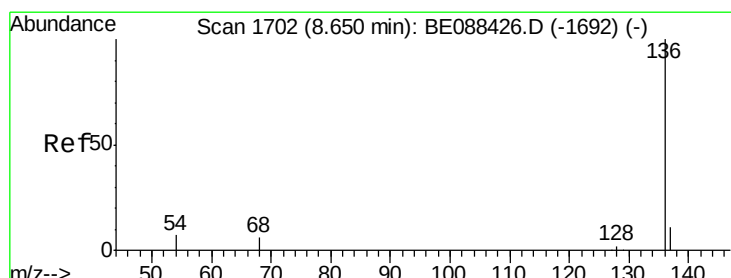
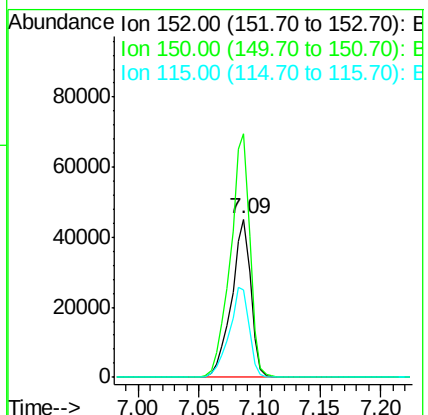
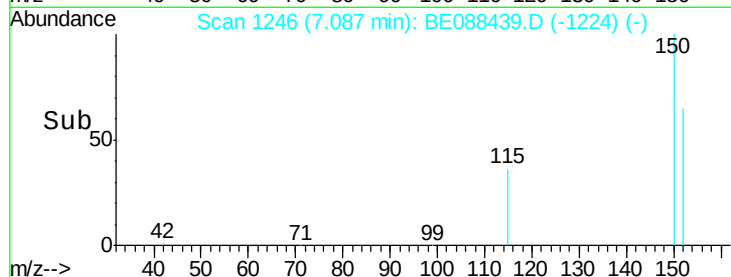
152 100

150 153.8 121.8 182.8

115 55.6 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: BE088439.D

Acq: 1 Nov 2014 1:25

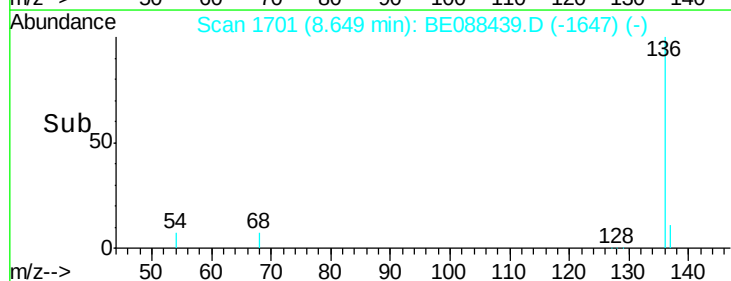
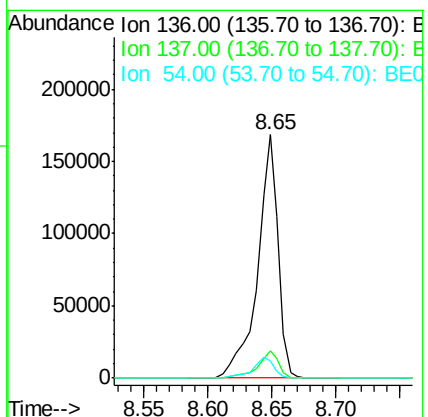
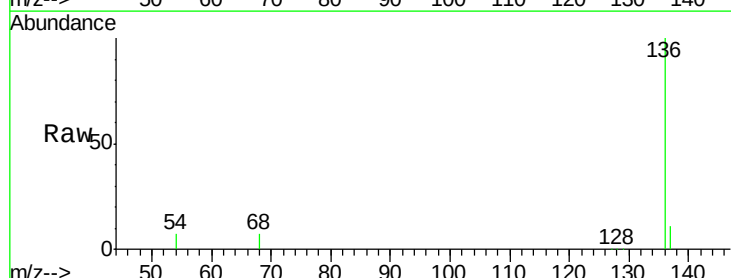
Tgt Ion:136 Resp: 188297

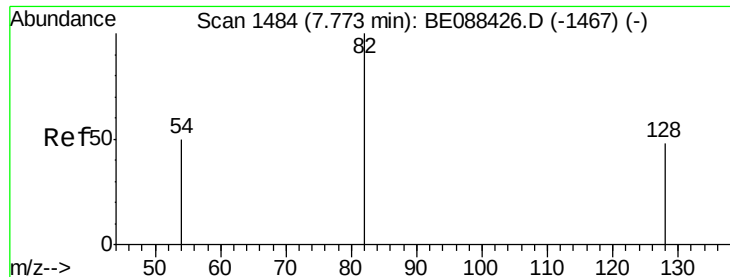
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.3 5.3 7.9





#4

Nitrobenzene-d5

Concen: 13.38 ng

RT: 7.78 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BE088439.D

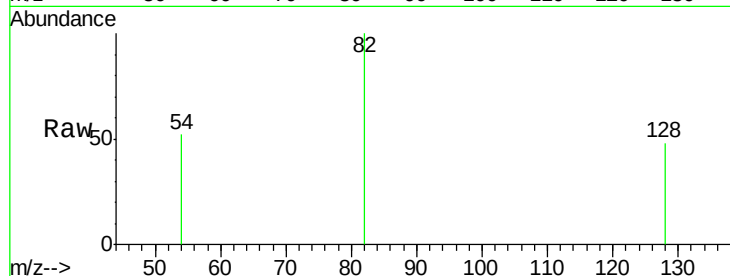
Acq: 1 Nov 2014 1:25

Instrument :

BNA_E

ClientSampleId :

YS19-SD02P-1014



Tgt Ion: 82 Resp: 184727

Ion Ratio Lower Upper

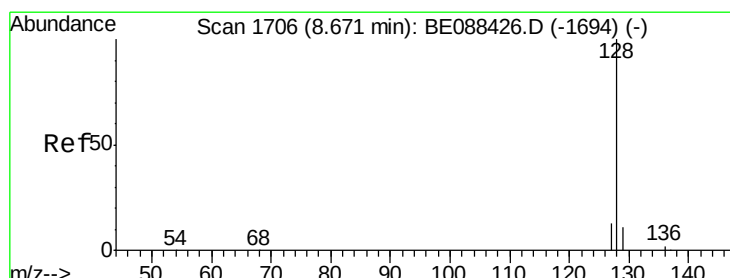
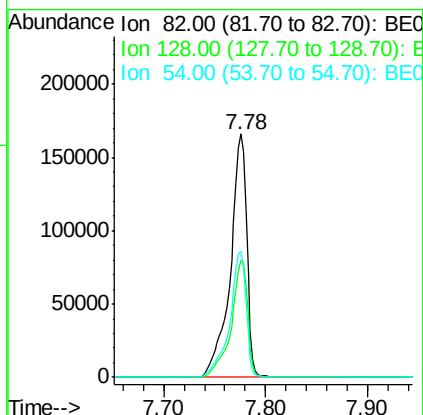
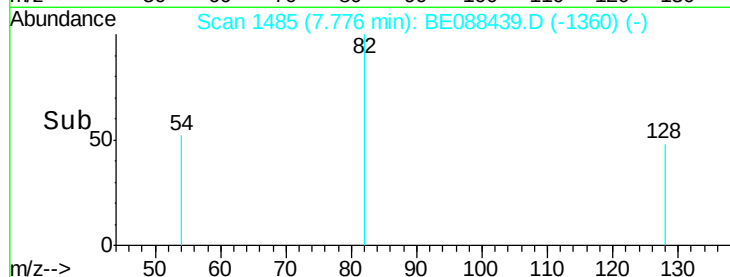
82 100

128 47.8 38.4 57.6

54 51.8 40.2 60.2

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#5

Naphthalene

Concen: 0.14 ng

RT: 8.67 min Scan# 1705

Delta R.T. -0.00 min

Lab File: BE088439.D

Acq: 1 Nov 2014 1:25

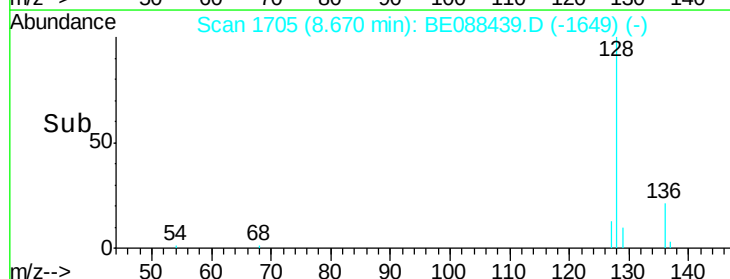
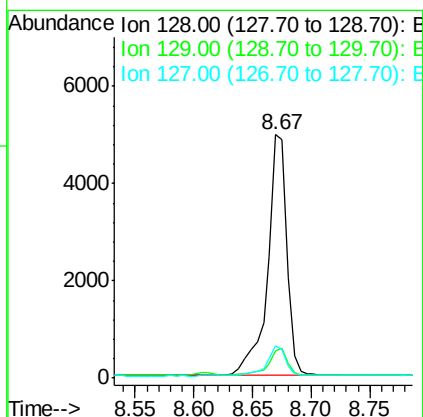
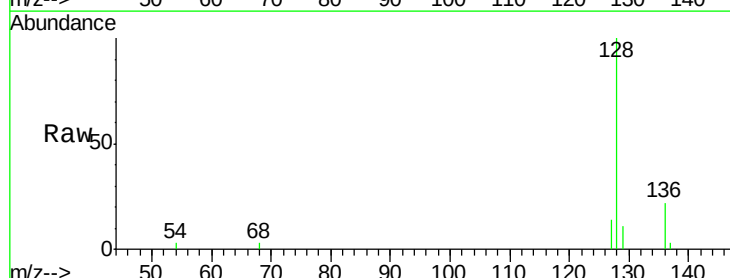
Tgt Ion: 128 Resp: 5642

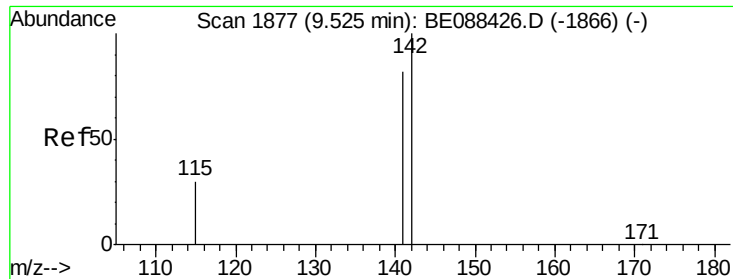
Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

127 13.5 10.1 15.1





#6

2-Methylnaphthalene

Concen: 0.05 ng

RT: 9.52 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BE088439.D

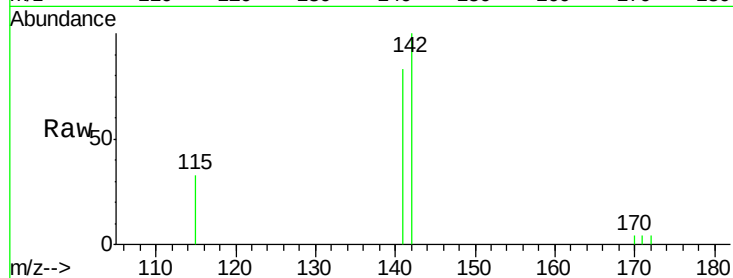
Acq: 1 Nov 2014 1:25

Instrument :

BNA_E

ClientSampleId :

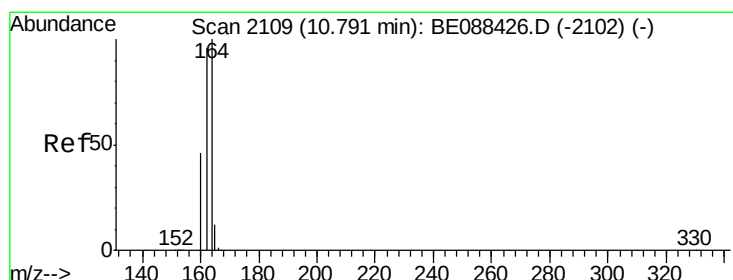
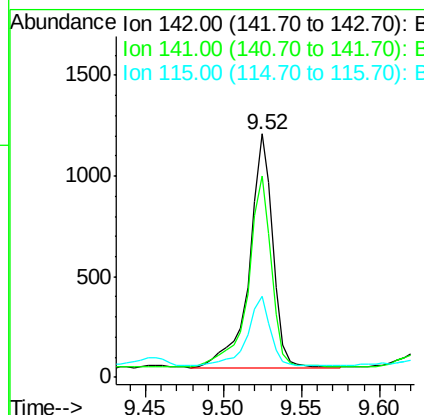
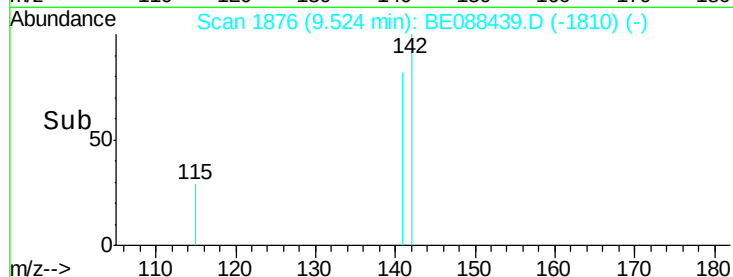
YS19-SD02P-1014



Tgt Ion:	142	Resp:	1210
Ion Ratio	Lower	Upper	
142	100		
141	83.0	65.8	98.8
115	33.2	24.2	36.4

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#7

Acenaphthene-d10

Concen: 5.00 ng

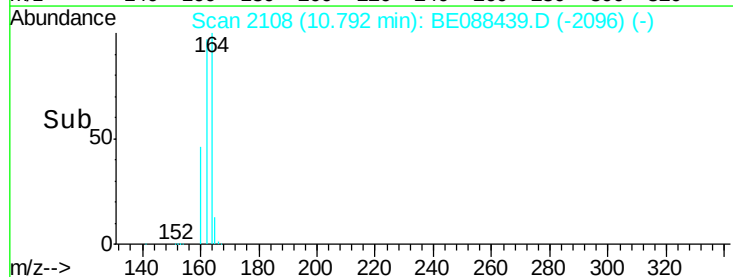
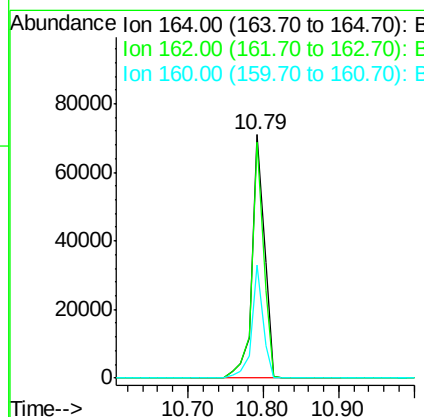
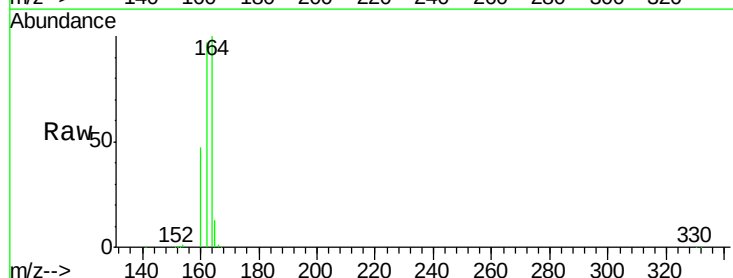
RT: 10.79 min Scan# 2108

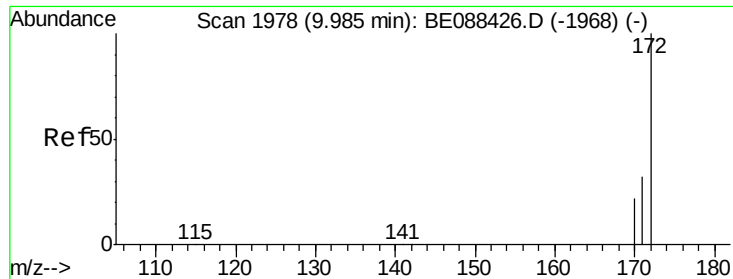
Delta R.T. 0.00 min

Lab File: BE088439.D

Acq: 1 Nov 2014 1:25

Tgt Ion:	164	Resp:	81098
Ion Ratio	Lower	Upper	
164	100		
162	97.0	77.0	115.4
160	46.5	36.8	55.2





#8

2-Fluorobiphenyl

Concen: 11.15 ng

RT: 9.99 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BE088439.D

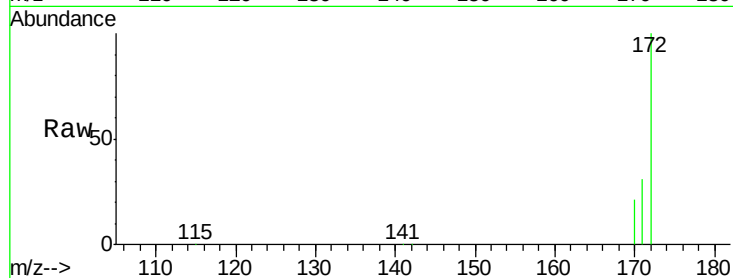
Acq: 1 Nov 2014 1:25

Instrument :

BNA_E

ClientSampleId :

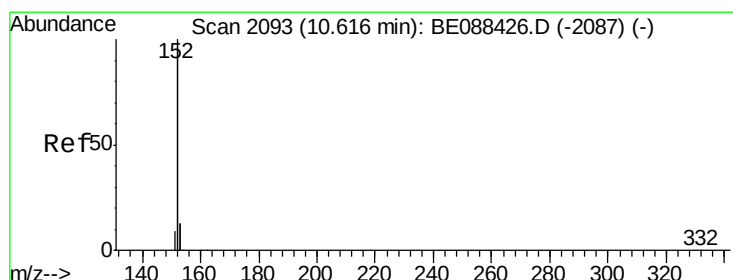
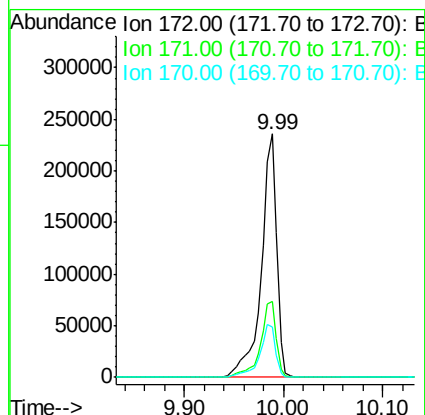
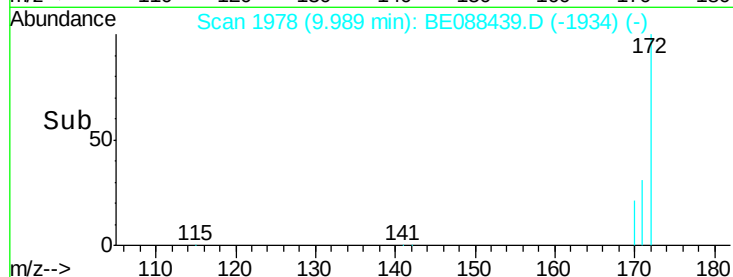
YS19-SD02P-1014



Tgt Ion:	172	Resp:	254835
Ion Ratio	Lower	Upper	
172	100		
171	31.4	26.0	39.0
170	20.7	17.6	26.4

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#9

Acenaphthylene

Concen: 0.03 ng

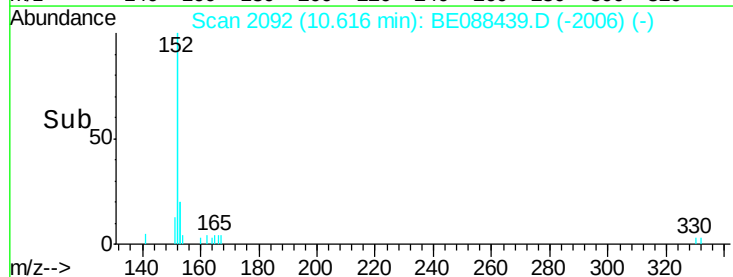
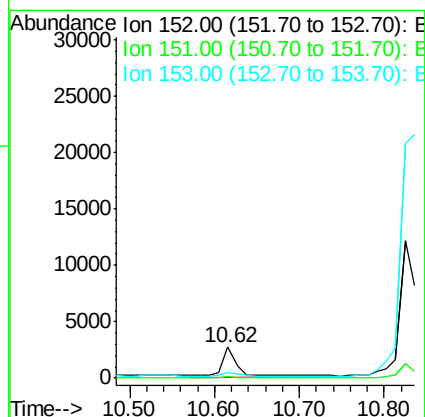
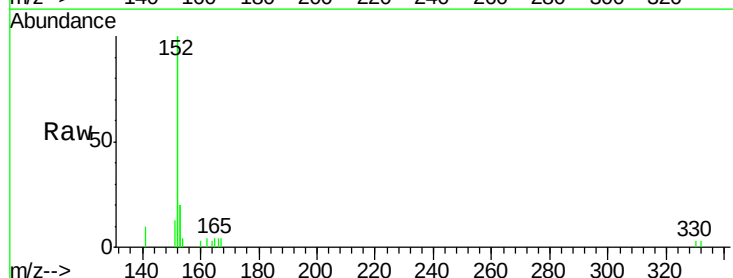
RT: 10.62 min Scan# 2092

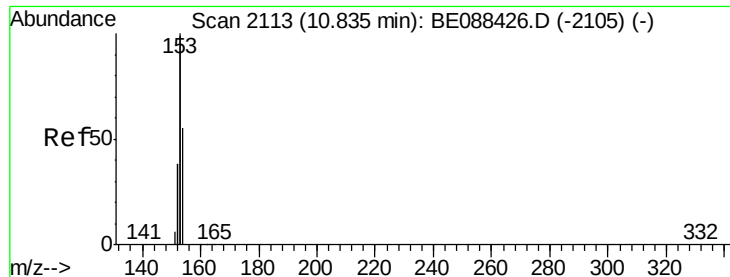
Delta R.T. 0.00 min

Lab File: BE088439.D

Acq: 1 Nov 2014 1:25

Tgt Ion:	152	Resp:	3796
Ion Ratio	Lower	Upper	
152	100		
151	5.1	4.4	6.6
153	0.0	10.5	15.7#





#10

Acenaphthene

Concen: 0.41 ng

RT: 10.84 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088439.D

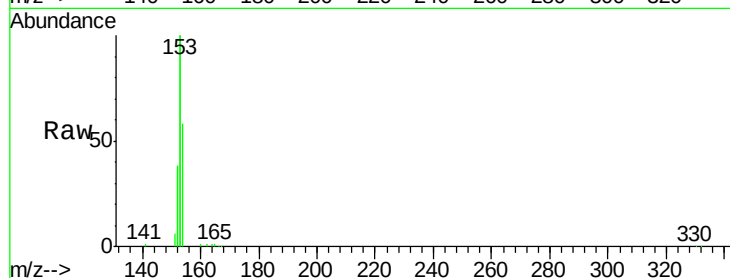
Acq: 1 Nov 2014 1:25

Instrument :

BNA_E

ClientSampleId :

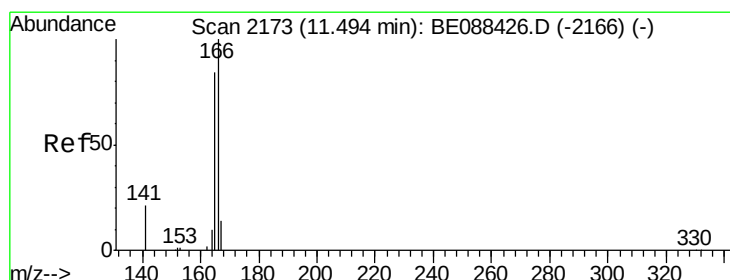
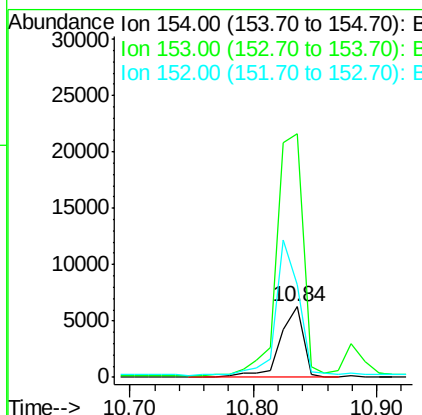
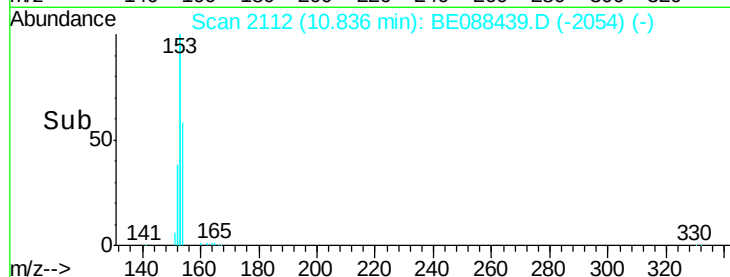
YS19-SD02P-1014



Tgt Ion	Ratio	Lower	Upper
154	100		
153	394.1	324.3	486.5
152	202.0	154.9	232.3

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#11

Fluorene

Concen: 0.34 ng

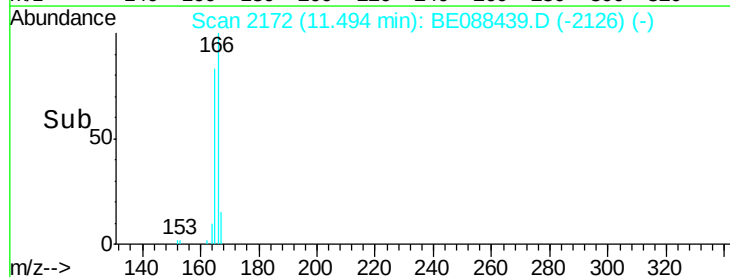
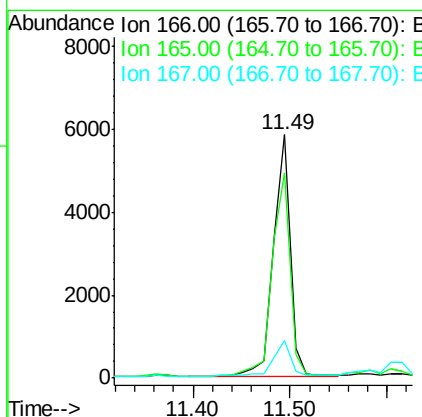
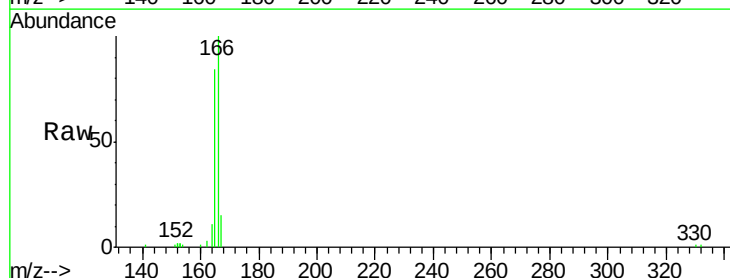
RT: 11.49 min Scan# 2172

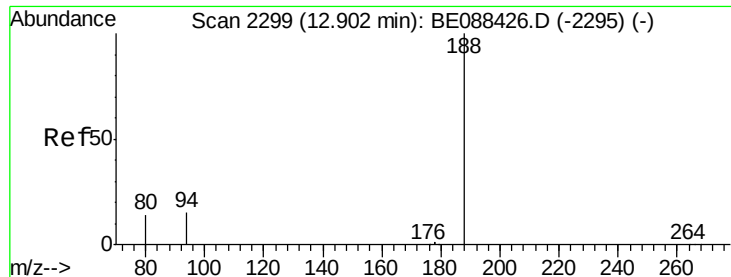
Delta R.T. 0.00 min

Lab File: BE088439.D

Acq: 1 Nov 2014 1:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.2	71.3	106.9
167	15.0	10.7	16.1





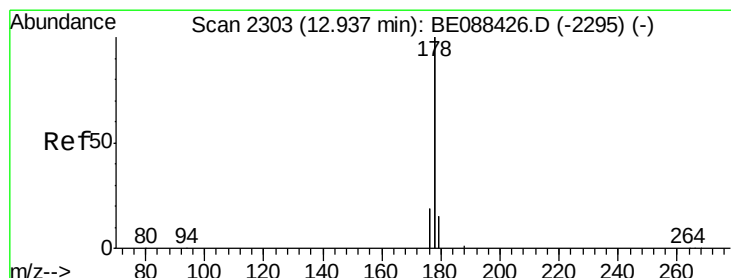
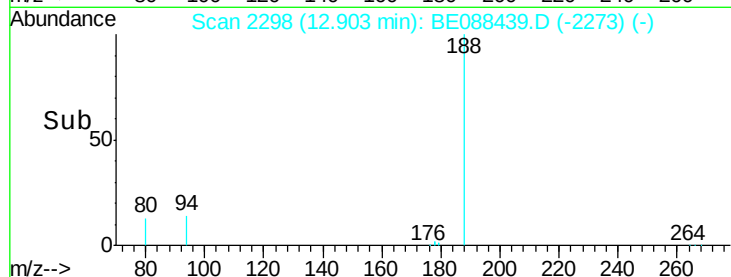
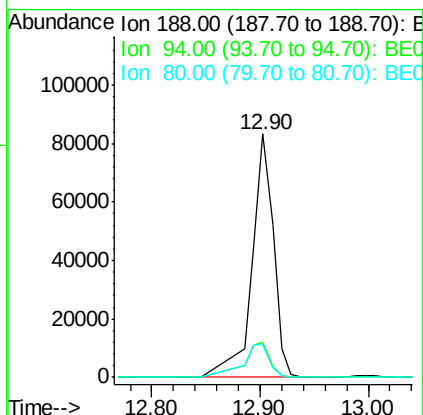
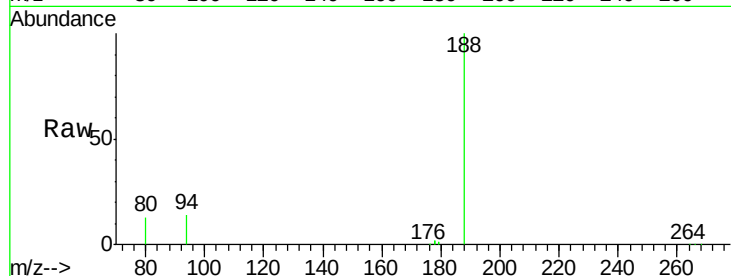
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.90 min Scan# 2298
Delta R.T. 0.00 min
Lab File: BE088439.D
Acq: 1 Nov 2014 1:25

Instrument :
BNA_E
ClientSampleId :
YS19-SD02P-1014

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	139493		
94	14.4	11.8	17.8	
80	13.1	10.9	16.3	

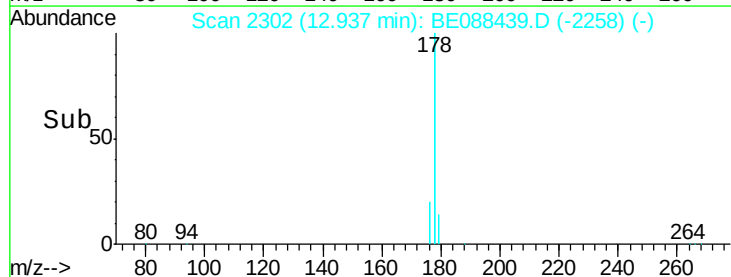
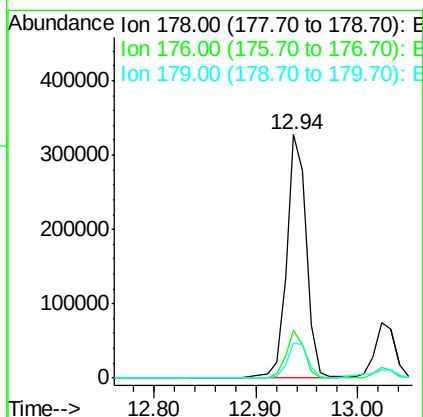
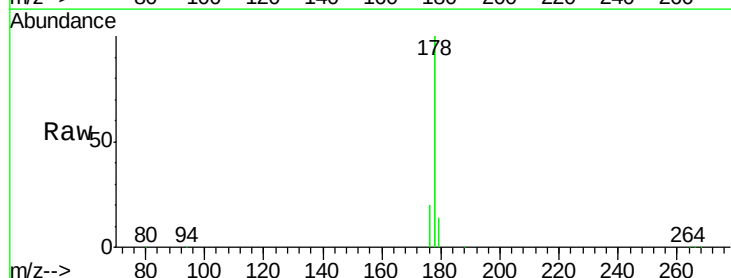
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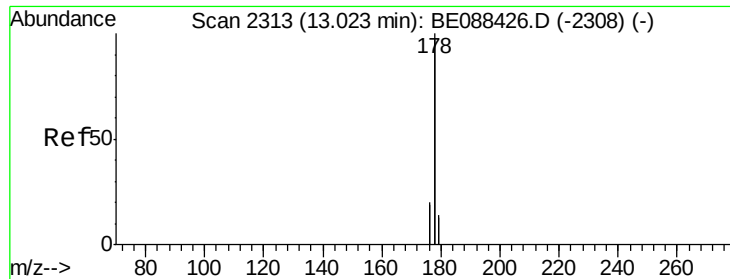
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#13
Phenanthrene
Concen: 4.57 ng
RT: 12.94 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE088439.D
Acq: 1 Nov 2014 1:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	578838		
176	18.5	15.4	23.2	
179	15.8	12.8	19.2	





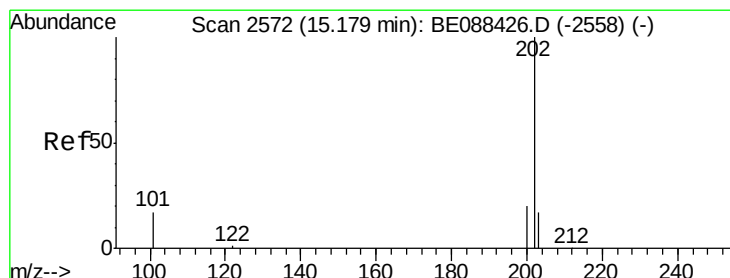
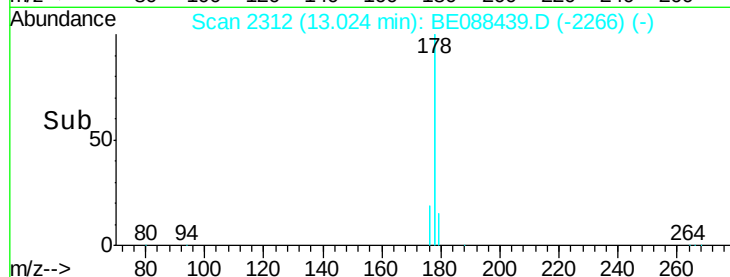
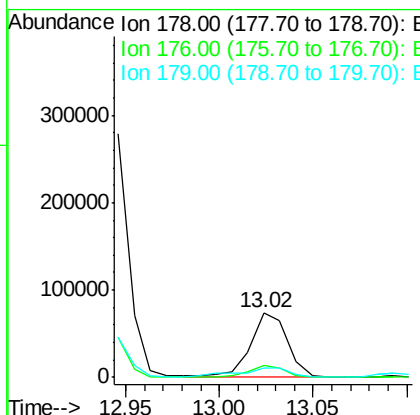
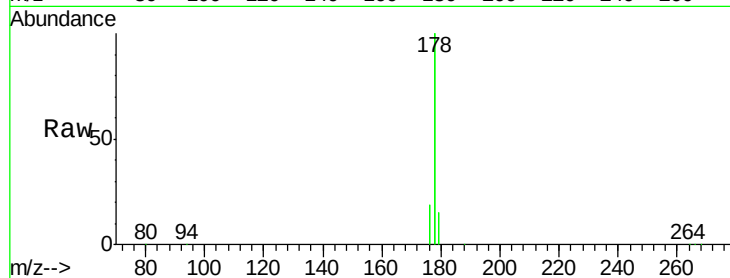
#14
 Anthracene
 Concen: 1.02 ng m
 RT: 13.02 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: BE088439.D
 Acq: 1 Nov 2014 1:25

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SD02P-1014

Tgt Ion:178 Resp: 104243
 Ion Ratio Lower Upper
 178 100
 176 102.7 15.0 22.4#
 179 87.6 12.5 18.7#

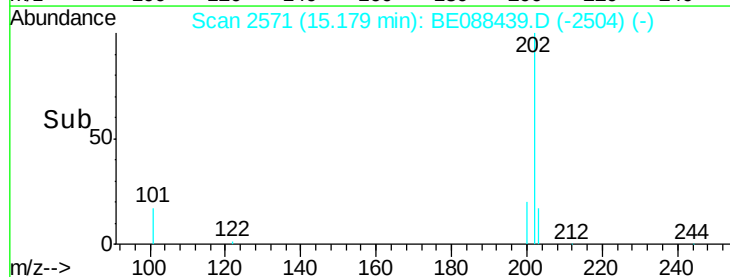
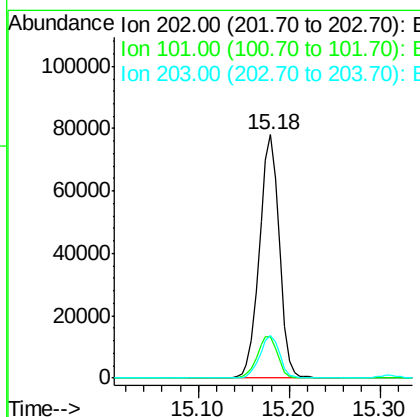
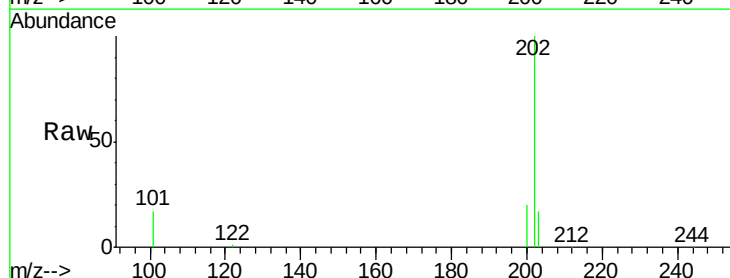
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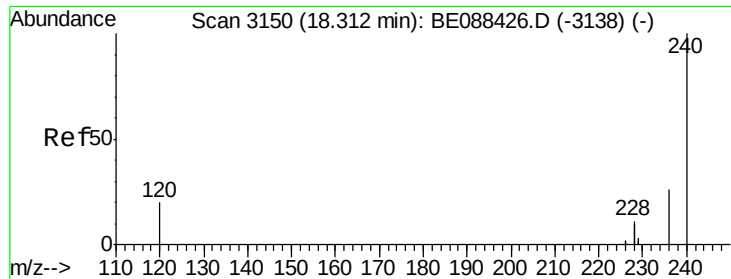
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#15
 Fluoranthene
 Concen: 5.75 ng
 RT: 15.18 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: BE088439.D
 Acq: 1 Nov 2014 1:25

Tgt Ion:202 Resp: 118232
 Ion Ratio Lower Upper
 202 100
 101 17.6 14.3 21.5
 203 17.2 13.6 20.4





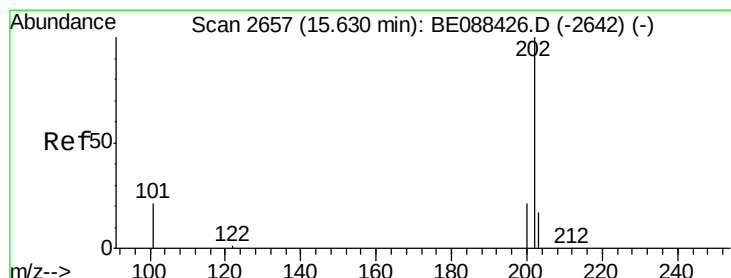
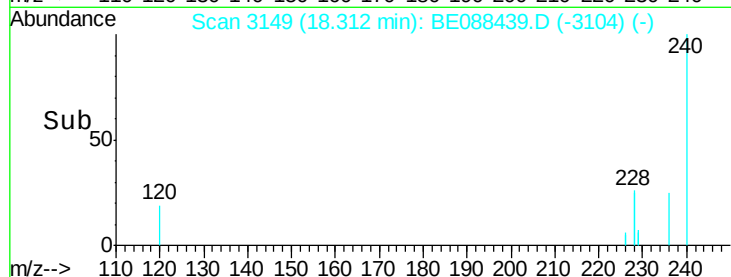
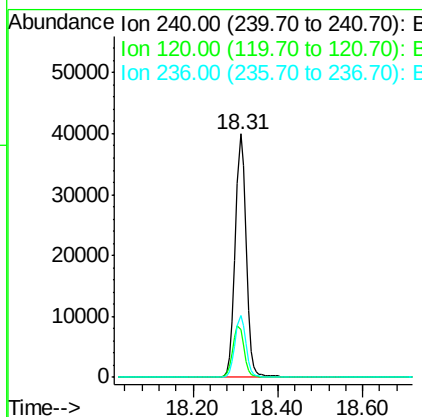
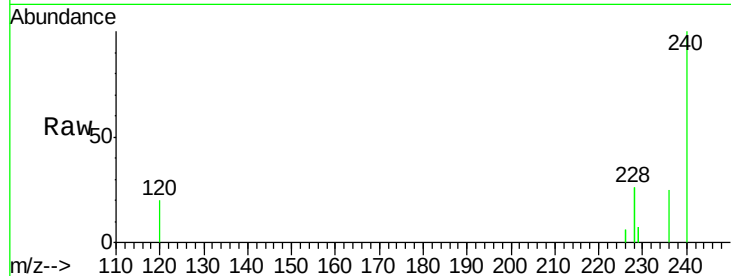
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.31 min Scan# 3149
Delta R.T. -0.00 min
Lab File: BE088439.D
Acq: 1 Nov 2014 1:25

Instrument :
BNA_E
ClientSampleId :
YS19-SD02P-1014

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	69892		
120	19.5	16.4	24.6	
236	25.2	20.5	30.7	

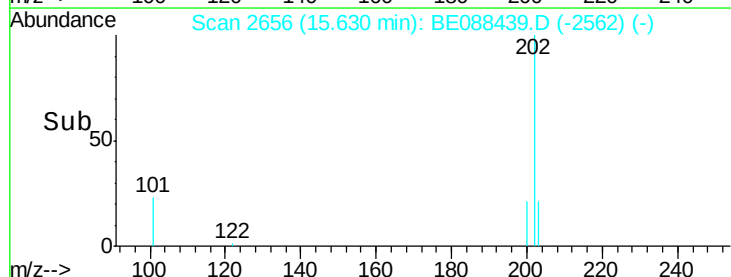
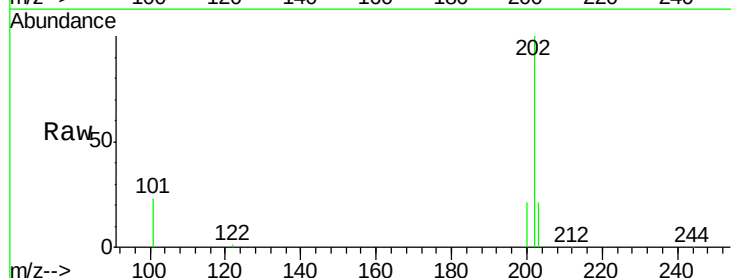
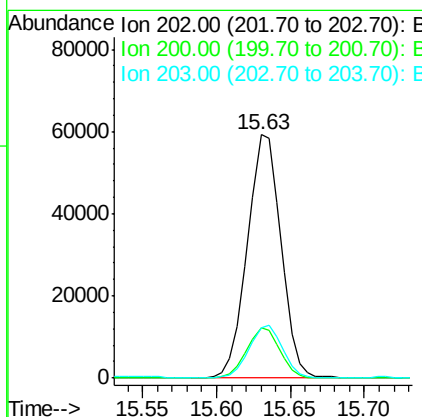
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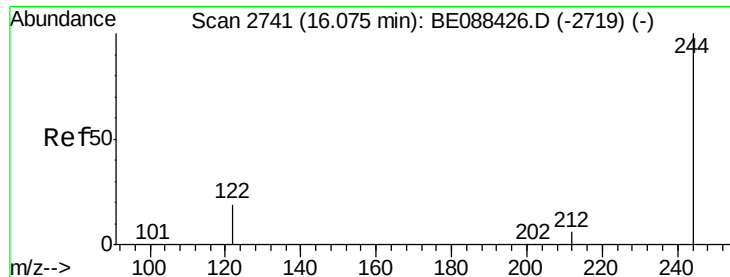
mohammad
11/4/2014 9:06:36 AM



#17
Pyrene
Concen: 4.10 ng m
RT: 15.63 min Scan# 2656
Delta R.T. 0.00 min
Lab File: BE088439.D
Acq: 1 Nov 2014 1:25

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	93448		
200	25.1	16.1	24.1#	
203	21.8	13.8	20.8#	





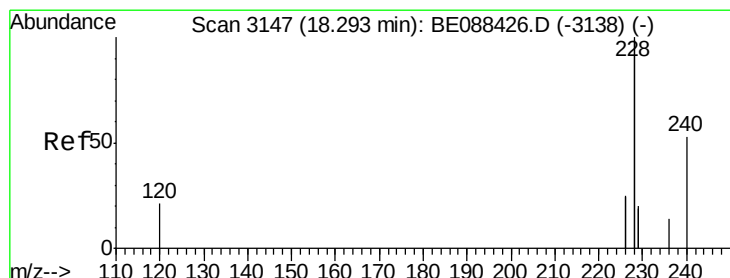
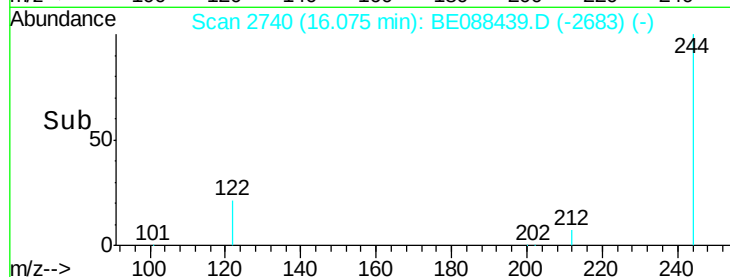
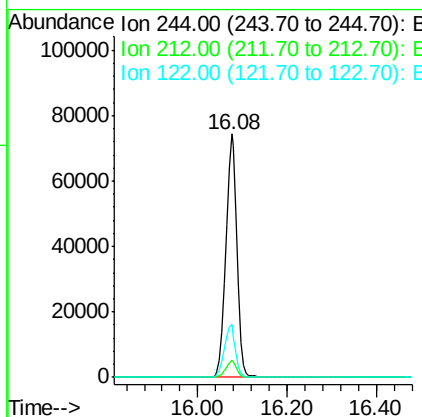
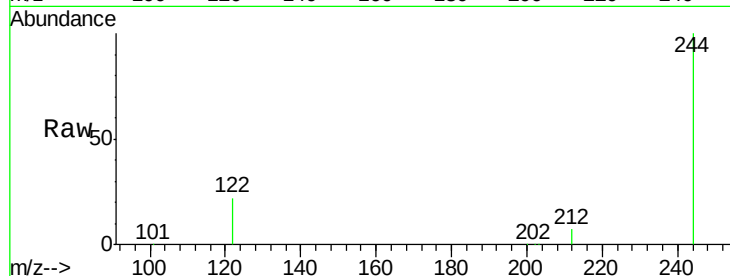
#18
 Terphenyl-d14
 Concen: 10.02 ng
 RT: 16.08 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: BE088439.D
 Acq: 1 Nov 2014 1:25

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SD02P-1014

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	128673		
212	6.9	5.5	8.3	
122	21.5	15.6	23.4	

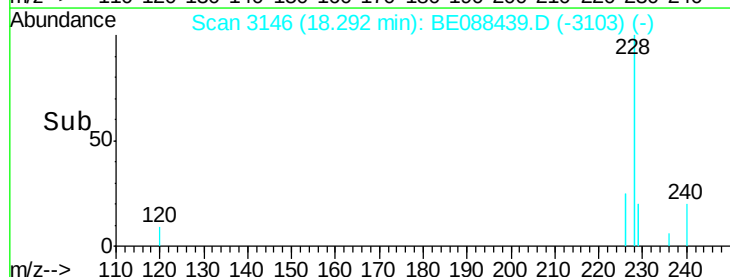
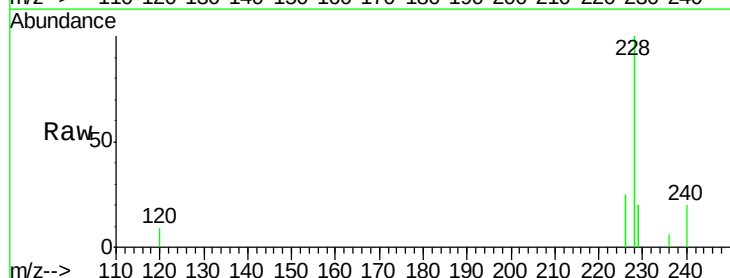
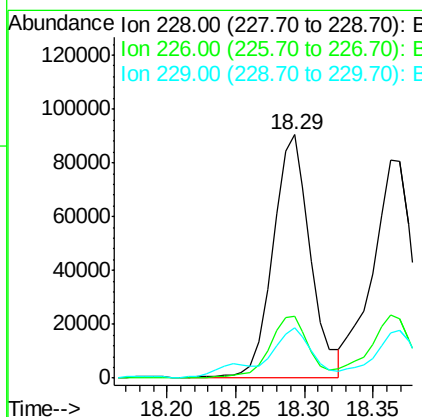
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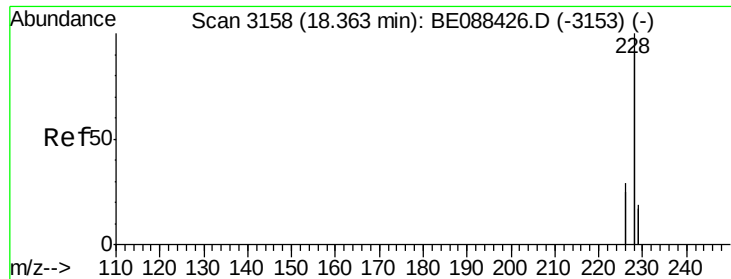
mohammad
 11/4/2014 9:06:36 AM



#19
 Benzo(a)anthracene
 Concen: 2.58 ng
 RT: 18.29 min Scan# 3146
 Delta R.T. -0.00 min
 Lab File: BE088439.D
 Acq: 1 Nov 2014 1:25

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	169782		
226	25.2	19.8	29.6	
229	20.5	16.0	24.0	





#20

Chrysene

Concen: 2.54 ng

RT: 18.36 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BE088439.D

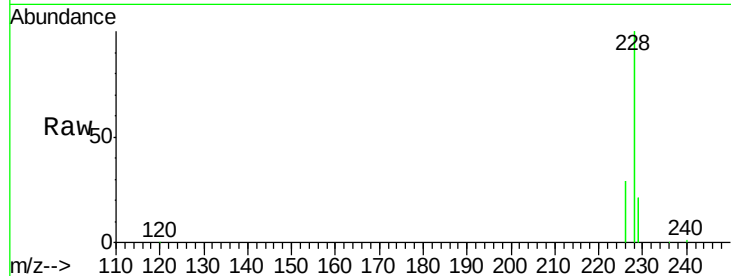
Acq: 1 Nov 2014 1:25

Instrument :

BNA_E

ClientSampleId :

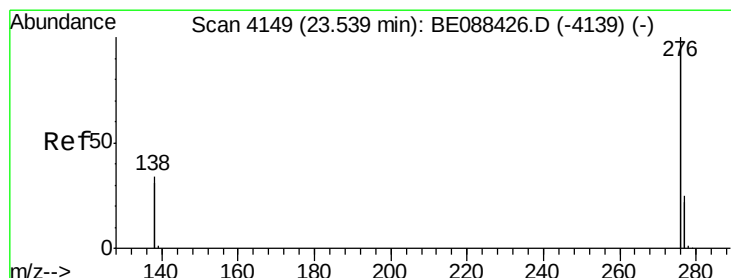
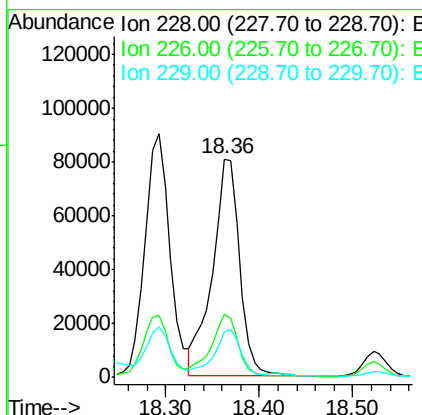
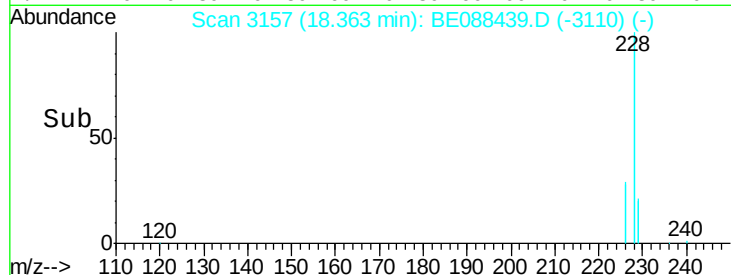
YS19-SD02P-1014



Tgt Ion:	228	Resp:	164211
Ion Ratio	Lower	Upper	
228	100		
226	28.8	23.6	35.4
229	20.9	15.4	23.2

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#21

Indeno(1,2,3-cd)pyrene

Concen: 1.37 ng

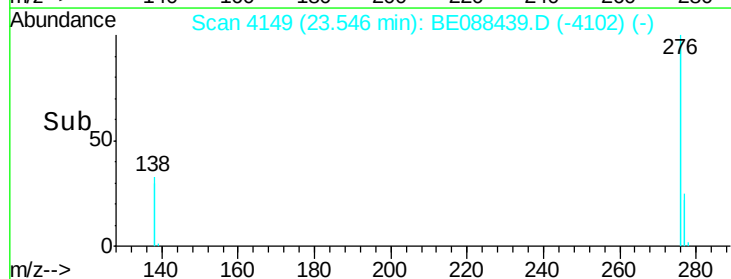
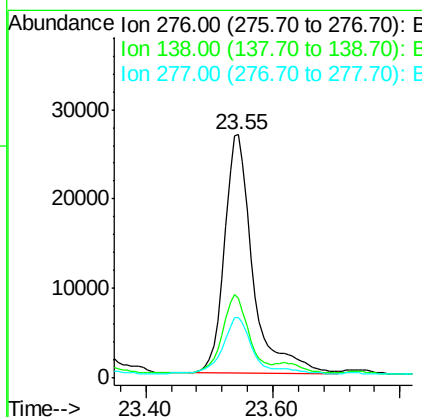
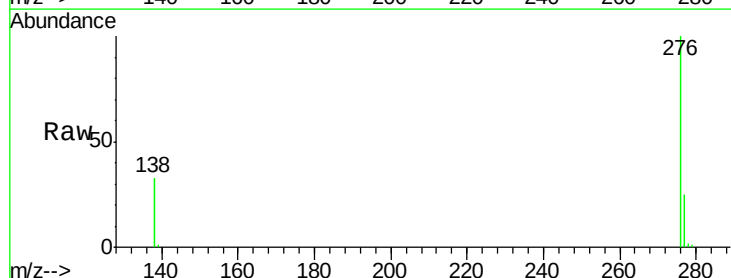
RT: 23.55 min Scan# 4149

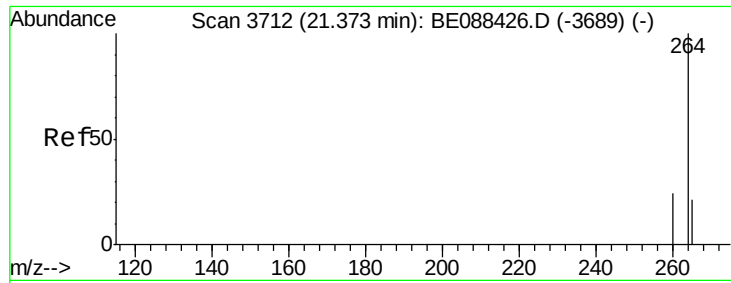
Delta R.T. 0.01 min

Lab File: BE088439.D

Acq: 1 Nov 2014 1:25

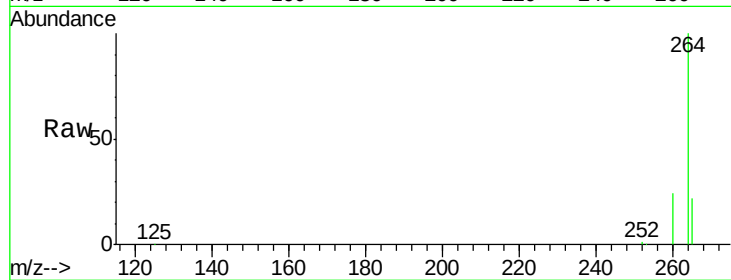
Tgt Ion:	276	Resp:	82743
Ion Ratio	Lower	Upper	
276	100		
138	30.1	20.2	30.2
277	25.3	14.8	22.2#





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.37 min Scan# 3711
 Delta R.T. 0.00 min
 Lab File: BE088439.D
 Acq: 1 Nov 2014 1:25

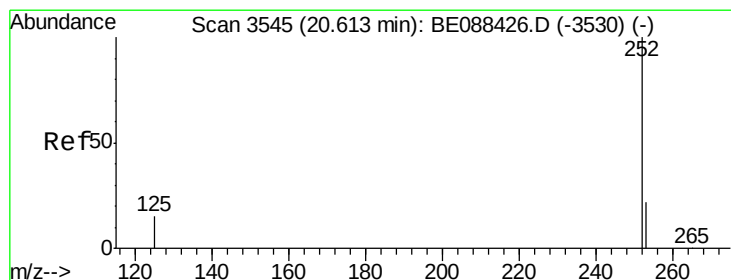
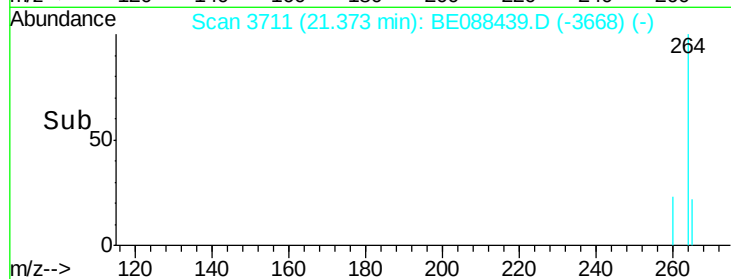
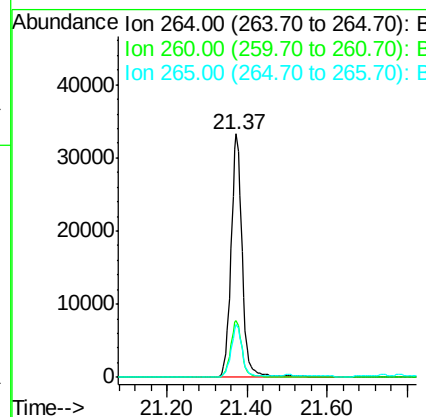
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SD02P-1014



Tgt Ion: 264 Resp: 64436
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 21.8 17.2 25.8

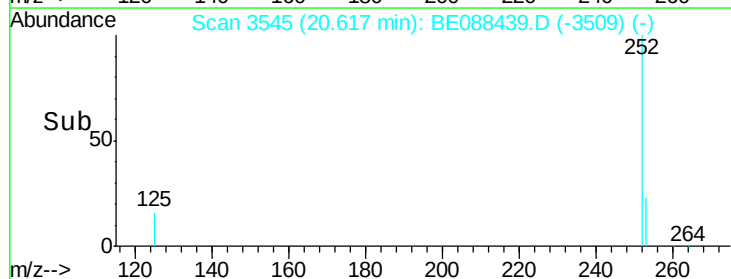
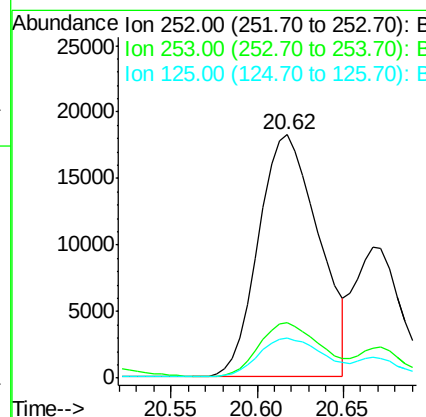
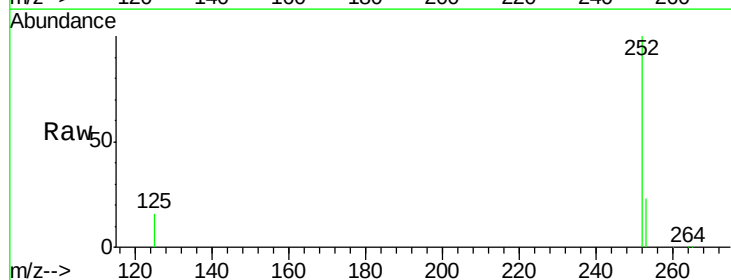
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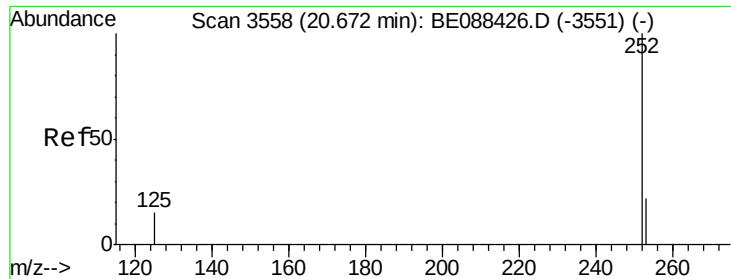
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#23
 Benzo(b)fluoranthene
 Concen: 3.12 ng
 RT: 20.62 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: BE088439.D
 Acq: 1 Nov 2014 1:25

Tgt Ion: 252 Resp: 44146
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.8 26.8
 125 16.3 12.3 18.5





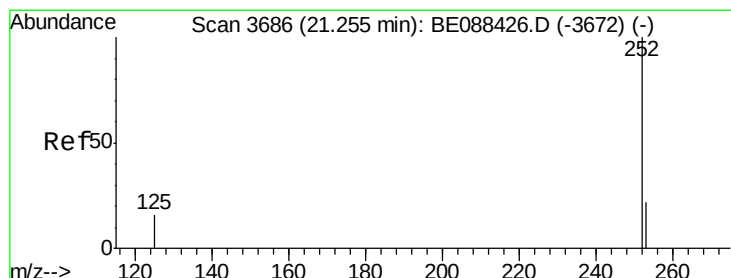
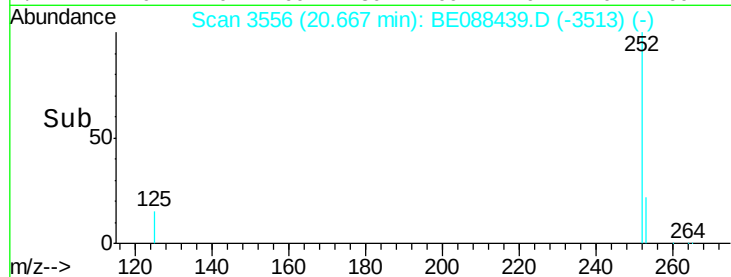
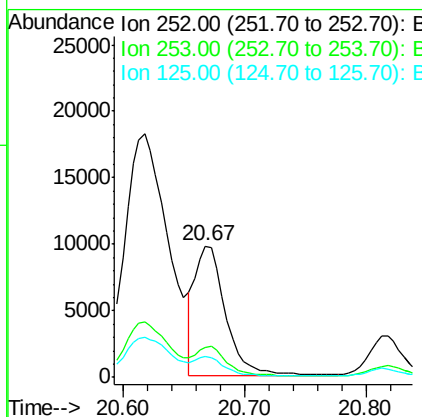
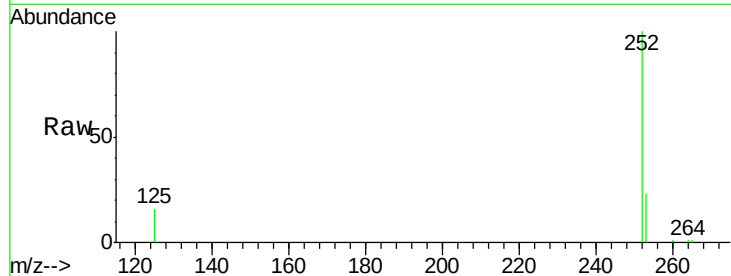
#24
Benzo(k)fluoranthene
Concen: 1.12 ng
RT: 20.67 min Scan# 3556
Delta R.T. -0.00 min
Lab File: BE088439.D
Acq: 1 Nov 2014 1:25

Instrument :
BNA_E
ClientSampleId :
YS19-SD02P-1014

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	16.2	12.2	18.4

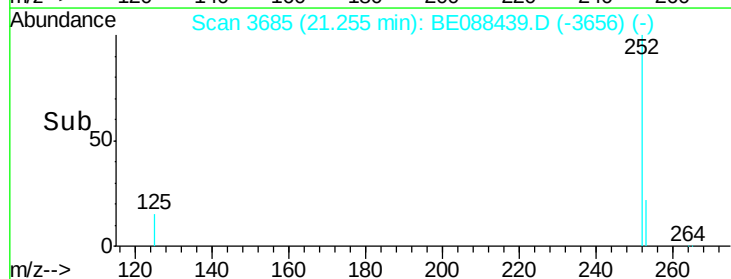
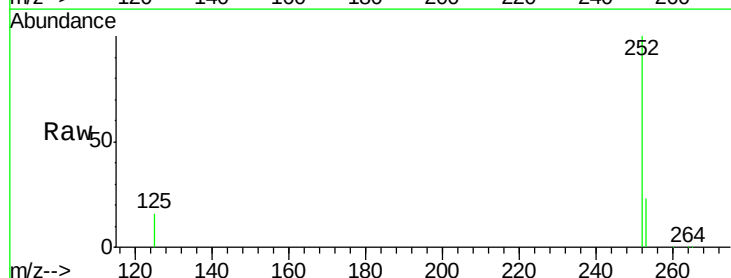
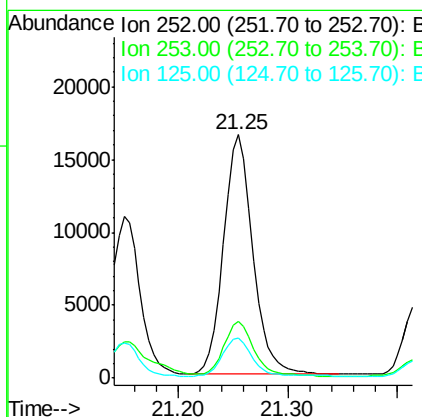
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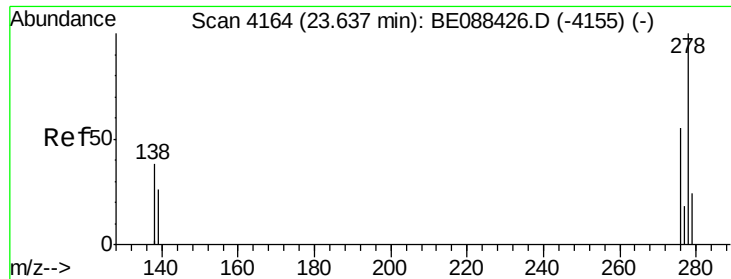
mohammad
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#25
Benzo(a)pyrene
Concen: 2.25 ng
RT: 21.25 min Scan# 3685
Delta R.T. 0.00 min
Lab File: BE088439.D
Acq: 1 Nov 2014 1:25

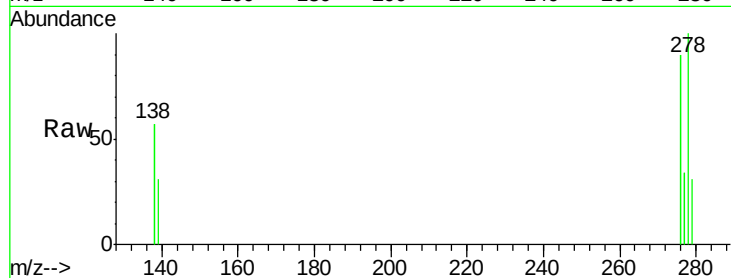
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.4
125	16.5	13.7	20.5





#26
Dibenzo(a,h)anthracene
Concen: 0.30 ng
RT: 23.63 min Scan# 4162
Delta R.T. -0.01 min
Lab File: BE088439.D
Acq: 1 Nov 2014 1:25

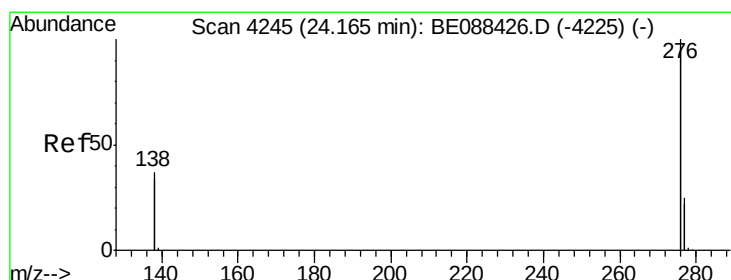
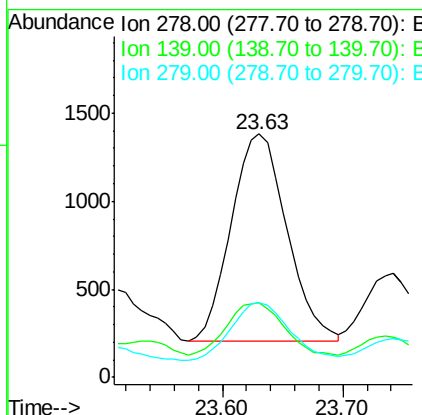
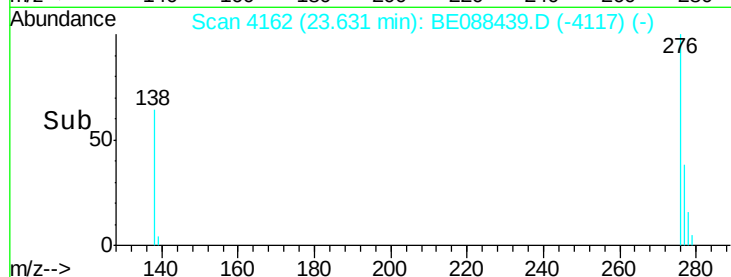
Instrument :
BNA_E
ClientSampleId :
YS19-SD02P-1014



Tgt Ion: 278 Resp: 3776
Ion Ratio Lower Upper
278 100
139 30.6 22.1 33.1
279 30.8 19.7 29.5#

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#27
Benzo(g,h,i)perylene
Concen: 1.29 ng
RT: 24.17 min Scan# 4244
Delta R.T. 0.00 min
Lab File: BE088439.D
Acq: 1 Nov 2014 1:25

Tgt Ion: 276 Resp: 74475
Ion Ratio Lower Upper
276 100
277 24.6 19.8 29.6
138 35.5 29.3 43.9

