

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088132.D
 Acq On : 21 Oct 2014 9:05
 Operator : TP/JJ
 Sample : F4303-19
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB02-101414-SO

Manual Integrations
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Quant Time: Oct 21 14:58:20 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	39755	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	146475	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	64650	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	117671	5.00	ng	0.00
16) Chrysene-d12	18.38	240	82401	5.00	ng	0.00
22) Perylene-d12	21.44	264	78981	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	86874	8.23	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	141449	7.92	ng	0.00
18) Terphenyl-d14	16.15	244	121519	9.16	ng	0.00
Target Compounds						Qvalue
6) 2-Methylnaphthalene	9.58	142	915	0.05	ng	# 95
15) Fluoranthene	15.25	202	1614	0.07	ng	# 98
17) Pyrene	15.70	202	1742	0.08	ng	# 99
19) Benzo(a)anthracene	18.36	228	7214	0.10	ng	# 93
20) Chrysene	18.44	228	7796	0.11	ng	# 94
21) Indeno(1,2,3-cd)pyrene	23.63	276	5652m	0.07	ng	# 89
23) Benzo(b)fluoranthene	20.68	252	1404	0.07	ng	# 86
24) Benzo(k)fluoranthene	20.74	252	1526	0.08	ng	# 80
25) Benzo(a)pyrene	21.32	252	1004	0.06	ng	# 76
26) Dibenzo(a,h)anthracene	23.74	278	1006	0.06	ng	# 83
27) Benzo(g,h,i)perylene	24.26	276	4918	0.07	ng	#

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

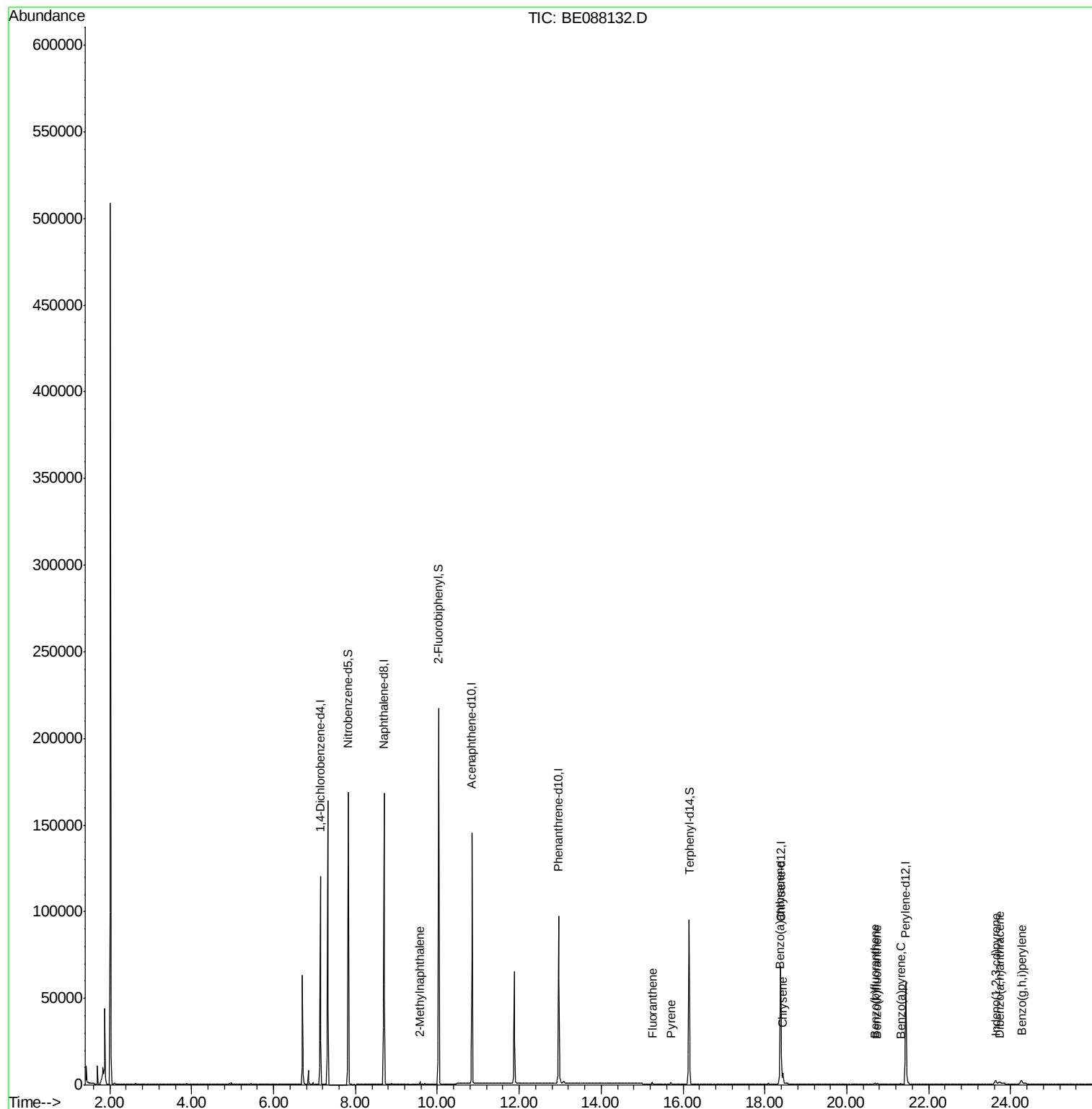
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
Data File : BE088132.D
Acq On : 21 Oct 2014 9:05
Operator : TP/JJ
Sample : F4303-19
Misc :
ALS Vial : 17 Sample Multiplier: 1

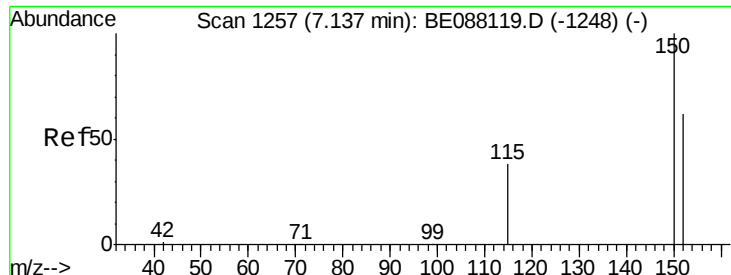
Instrument :
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QLast Update : Tue Oct 21 02:11:14 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088132.D

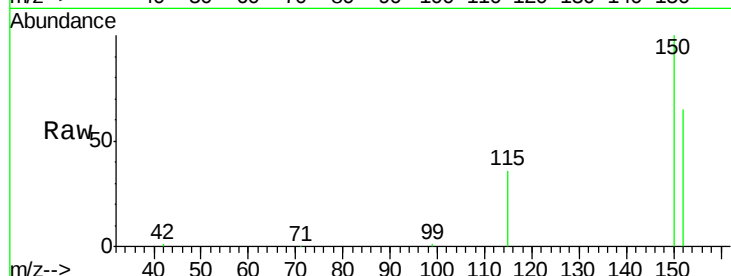
Acq: 21 Oct 2014 9:05

Instrument :

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ClientSampleId :

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Tgt Ion:152 Resp: 39755

Ion Ratio Lower Upper

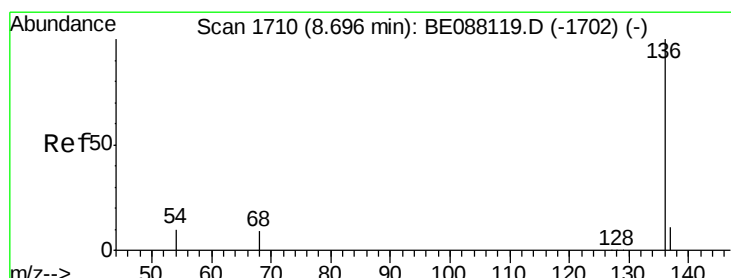
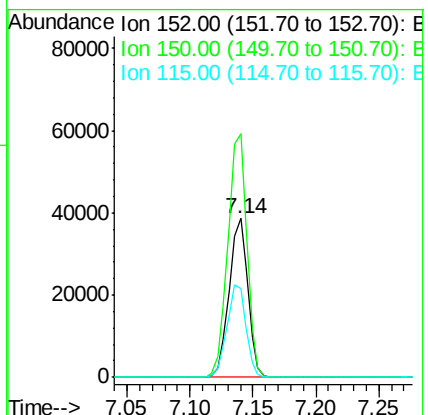
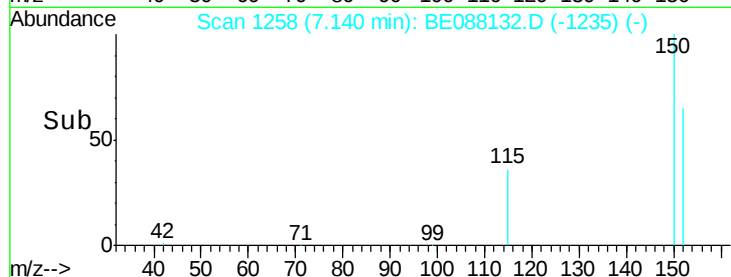
152 100

150 153.1 129.2 193.8

115 55.6 49.3 73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE088132.D

Acq: 21 Oct 2014 9:05

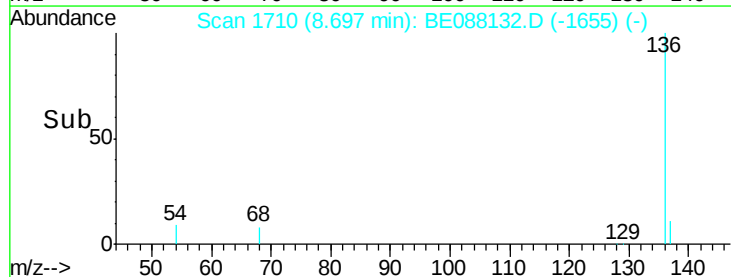
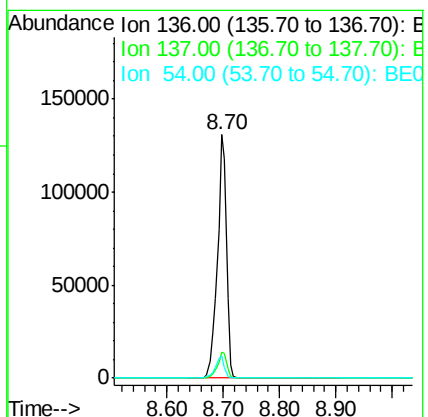
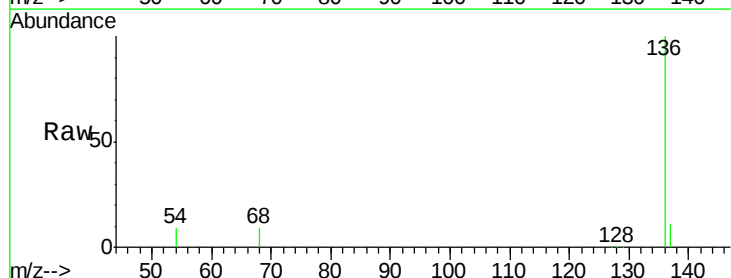
Tgt Ion:136 Resp: 146475

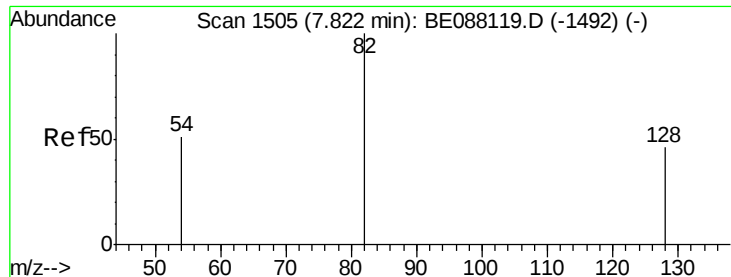
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 9.2 7.7 11.5





#4

Nitrobenzene-d5

Concen: 8.23 ng

RT: 7.83 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088132.D

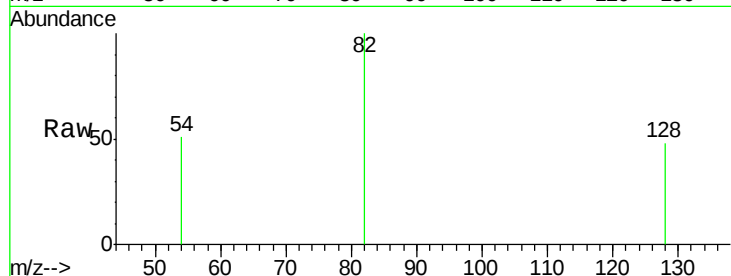
Acq: 21 Oct 2014 9:05

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion: 82 Resp: 86874

Ion Ratio Lower Upper

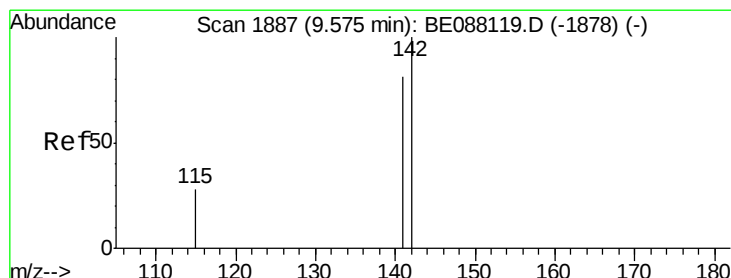
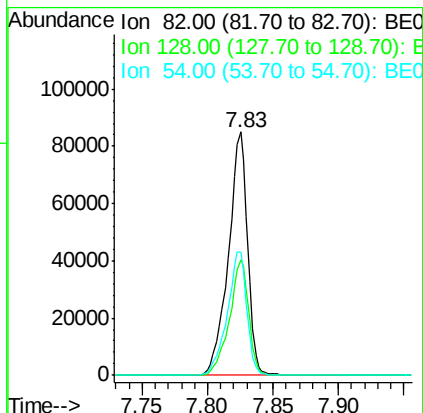
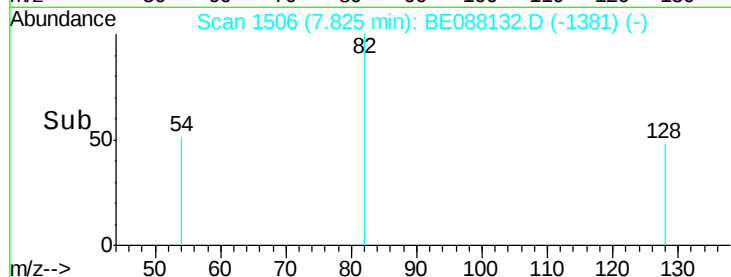
82 100

128 47.7 37.1 55.7

54 50.9 41.1 61.7

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#6

2-Methylnaphthalene

Concen: 0.05 ng

RT: 9.58 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BE088132.D

Acq: 21 Oct 2014 9:05

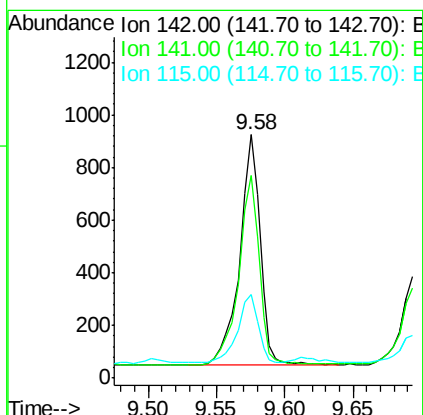
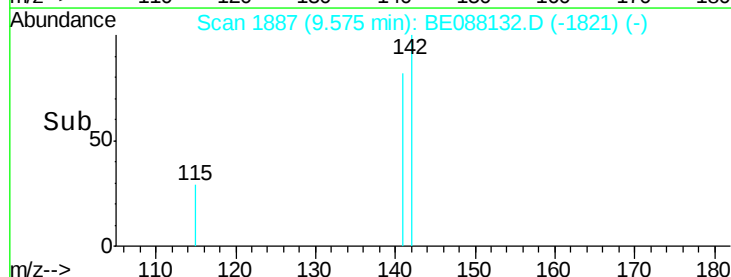
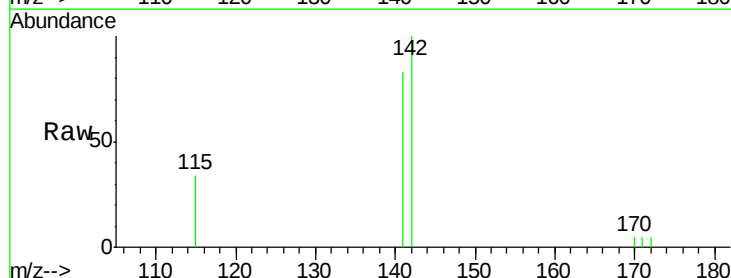
Tgt Ion: 142 Resp: 915

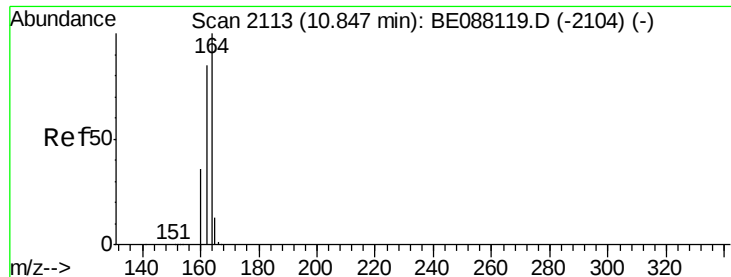
Ion Ratio Lower Upper

142 100

141 83.1 64.6 97.0

115 34.3 22.6 34.0#





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088132.D

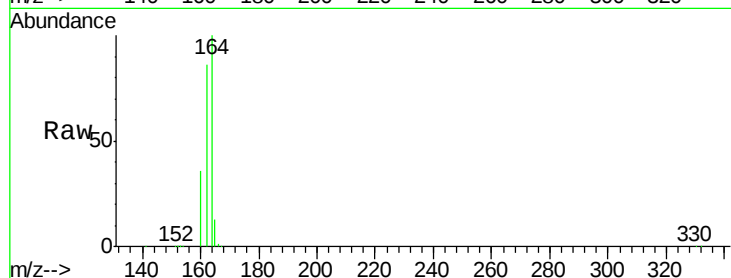
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Instrument :

BNA_E

ClientSampleId :

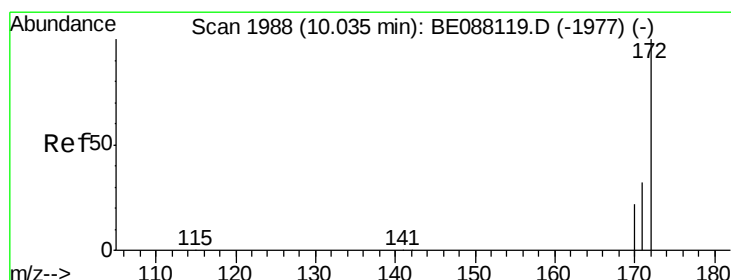
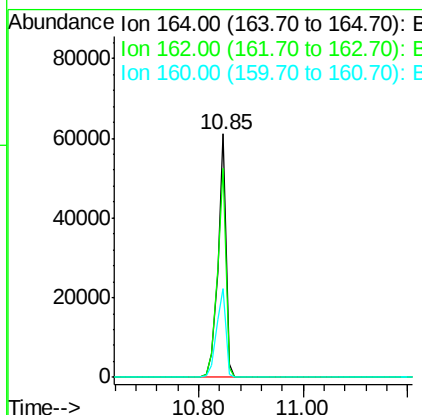
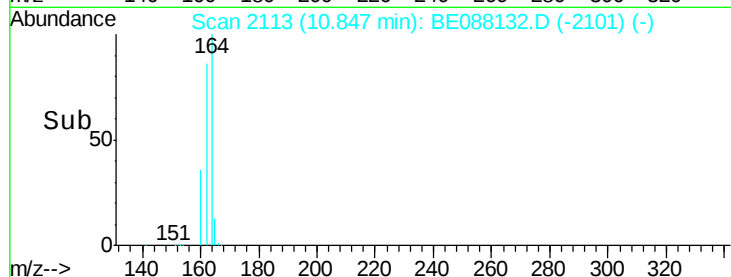
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Tgt Ion:	164	Resp:	64650
Ion Ratio	Lower	Upper	
164	100		
162	85.7	68.3	102.5
160	36.4	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 7.92 ng

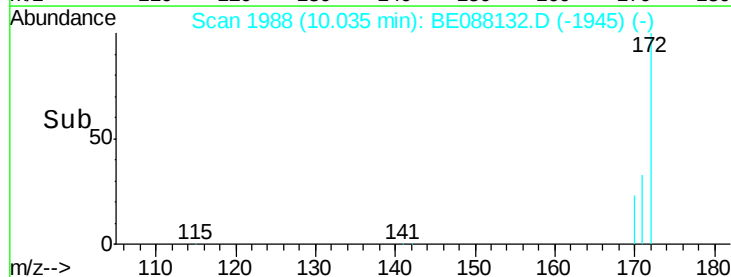
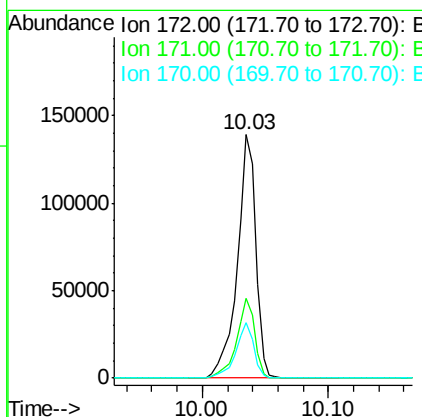
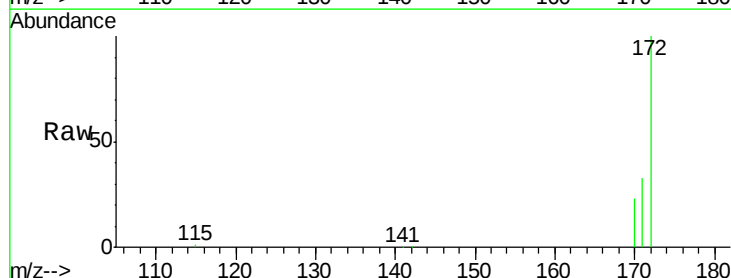
RT: 10.03 min Scan# 1988

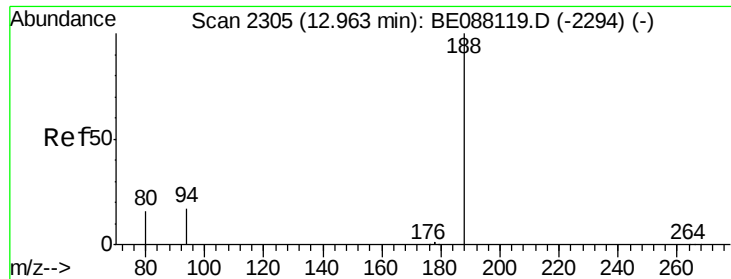
Delta R.T. 0.00 min

Lab File: BE088132.D

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Tgt Ion:	172	Resp:	141449
Ion Ratio	Lower	Upper	
172	100		
171	32.7	25.4	38.2
170	22.8	17.4	26.2





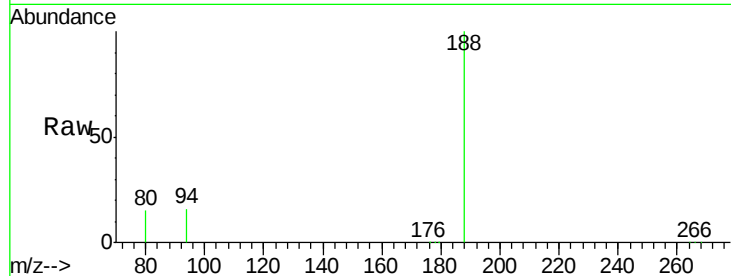
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BE088132.D
Acq: 21 Oct 2014 9:05

Instrument :
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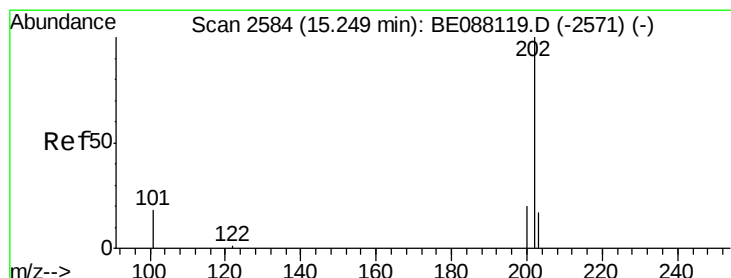
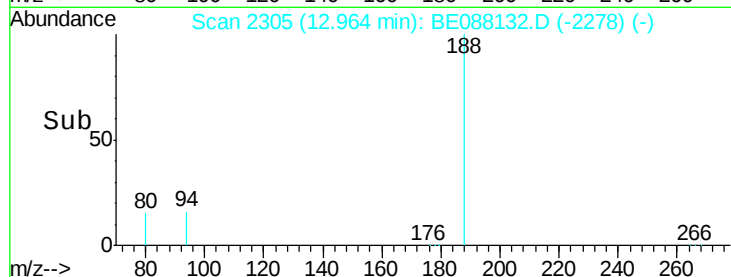
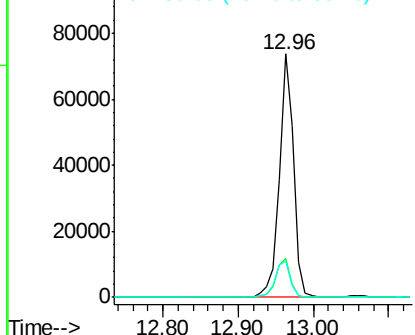
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	15.8	13.9	20.9
80	14.8	12.9	19.3

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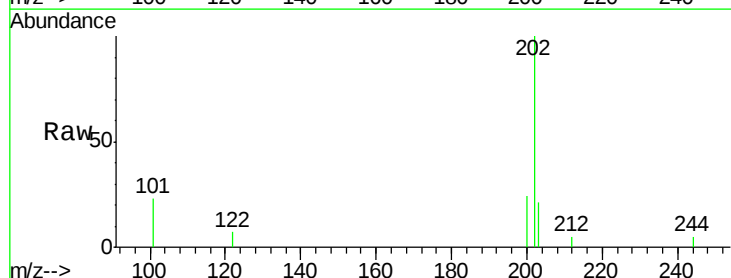


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

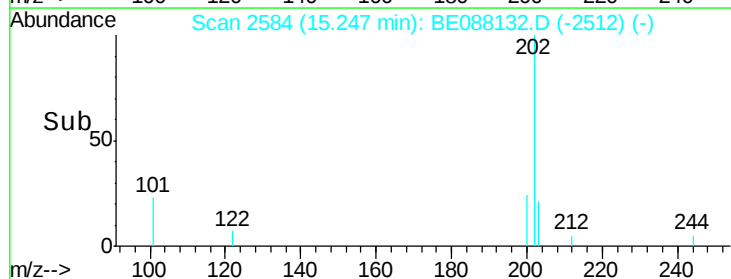
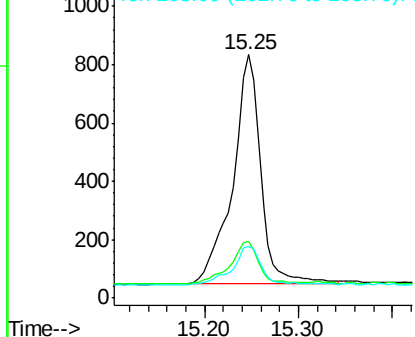


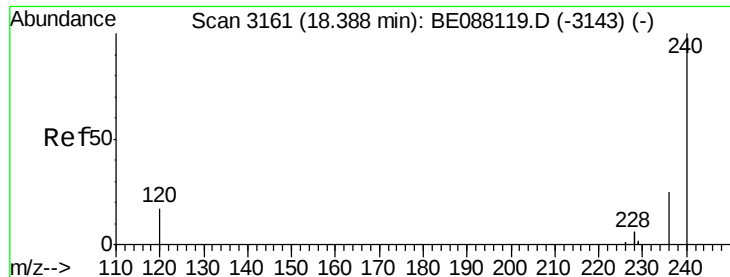
#15
Fluoranthene
Concen: 0.07 ng
RT: 15.25 min Scan# 2584
Delta R.T. -0.00 min
Lab File: BE088132.D
Acq: 21 Oct 2014 9:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	17.2	14.8	22.2
203	16.9	13.5	20.3



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





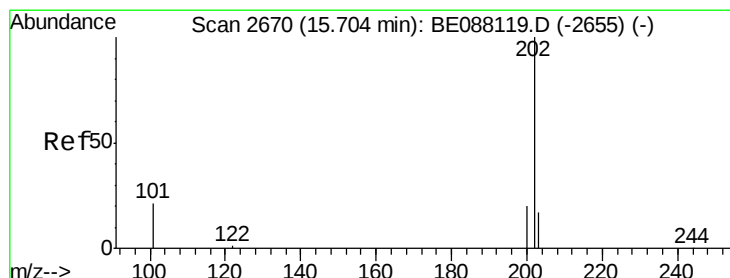
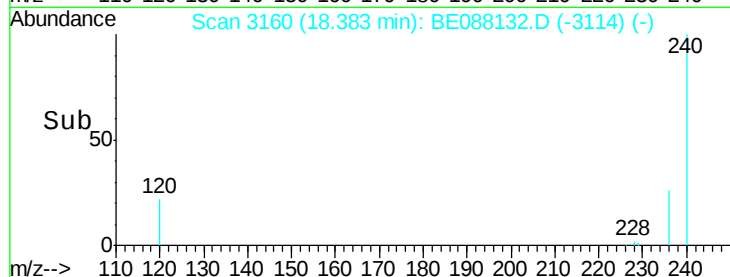
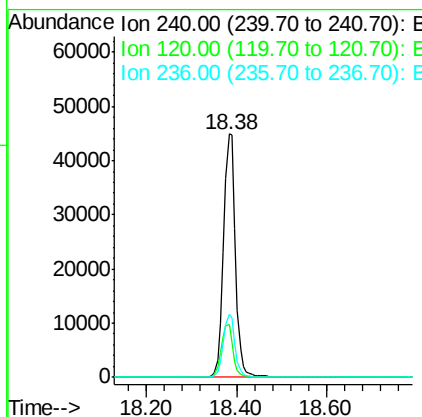
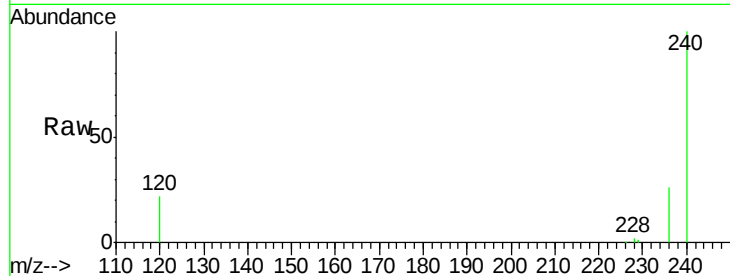
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BE088132.D
Acq: 21 Oct 2014 9:05

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	82401		
120	21.9	13.9	20.9	
236	25.8	19.9	29.9	

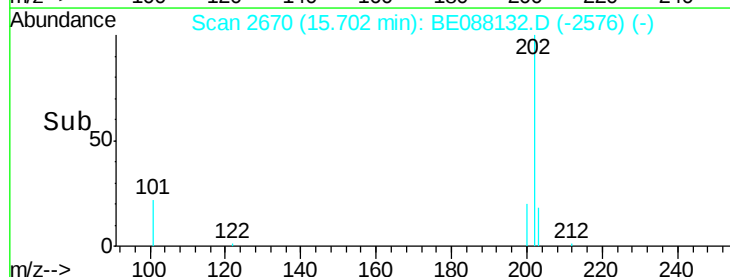
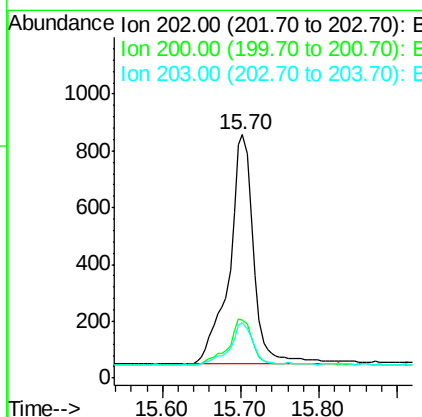
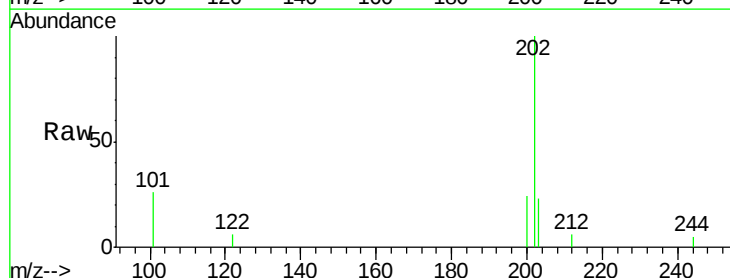
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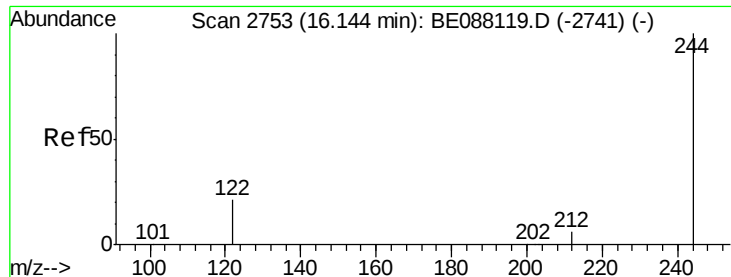
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#17
Pyrene
Concen: 0.08 ng
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088132.D
Acq: 21 Oct 2014 9:05

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1742		
200	20.0	16.1	24.1	
203	18.4	13.9	20.9	





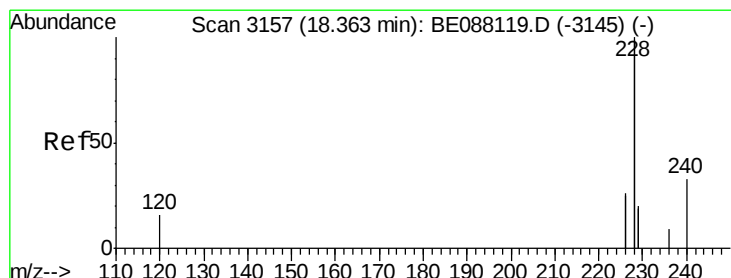
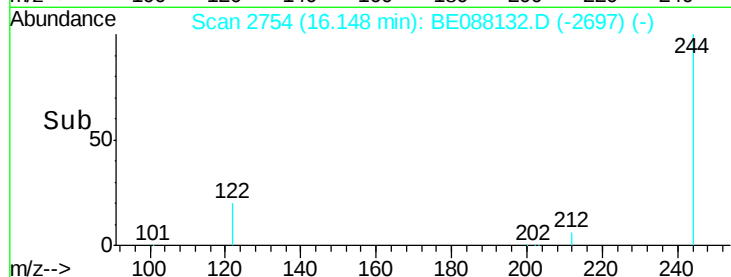
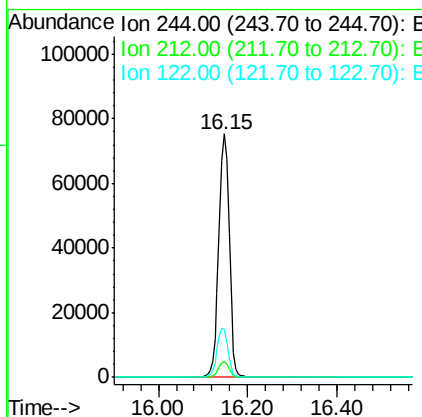
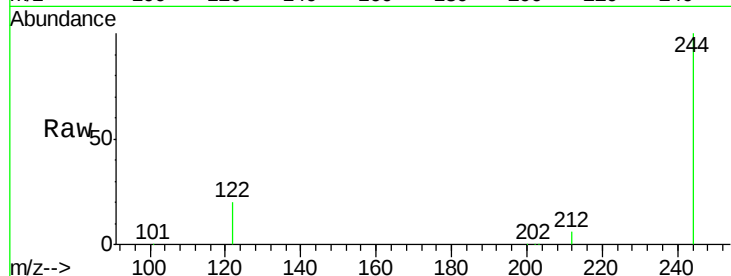
#18
 Terphenyl-d14
 Concen: 9.16 ng
 RT: 16.15 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: BE088132.D
 Acq: 21 Oct 2014 9:05

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
244	100	121519		
212	6.4	5.4	8.0	
122	19.7	17.5	26.3	

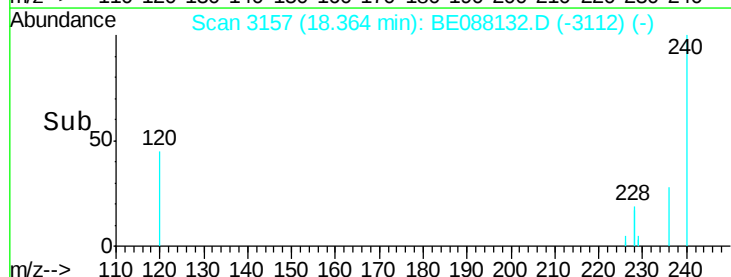
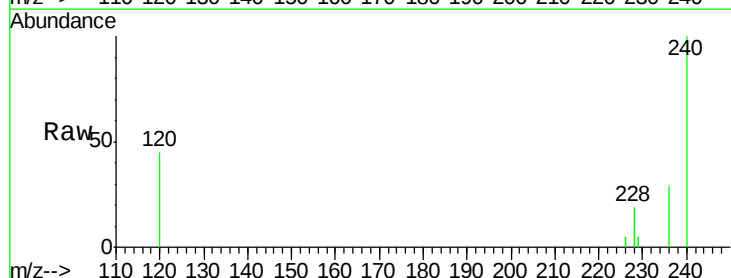
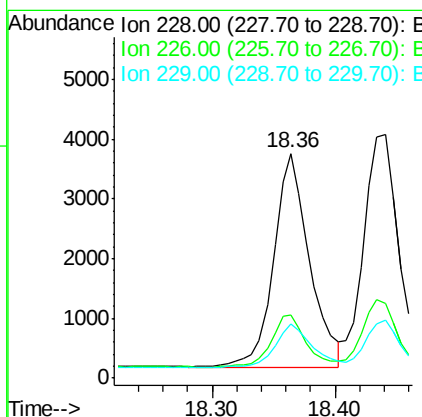
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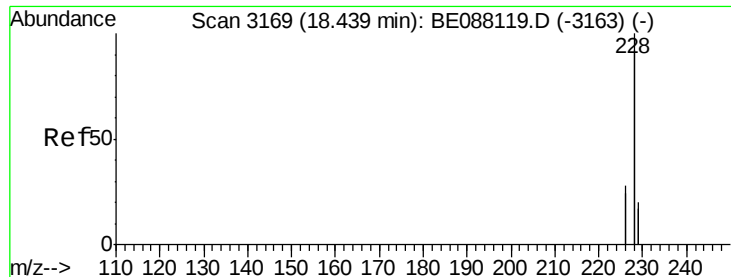
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#19
 Benzo(a)anthracene
 Concen: 0.10 ng
 RT: 18.36 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: BE088132.D
 Acq: 21 Oct 2014 9:05

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	7214		
226	28.2	20.8	31.2	
229	24.1	15.6	23.4	





#20

Chrysene

Concen: 0.11 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088132.D

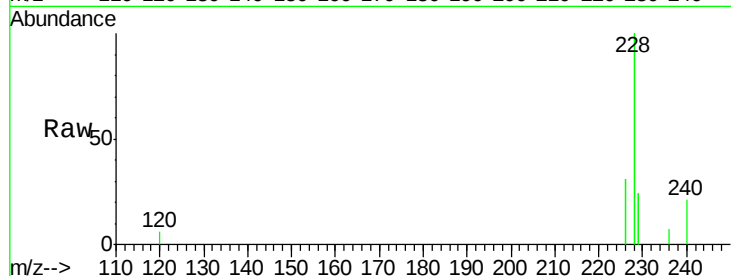
Acq: 21 Oct 2014 9:05

Instrument :

BNA_E

ClientSampleId :

YS19-EB02-101414-SO



Tgt Ion: 228 Resp: 7796

Ion Ratio Lower Upper

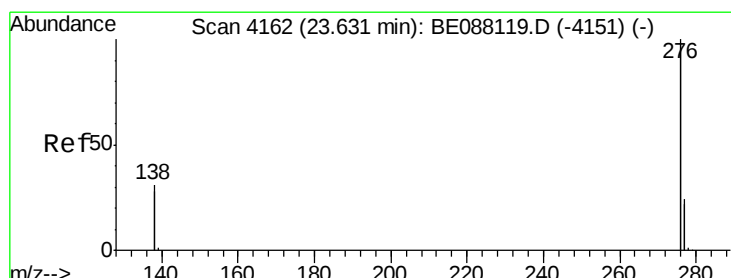
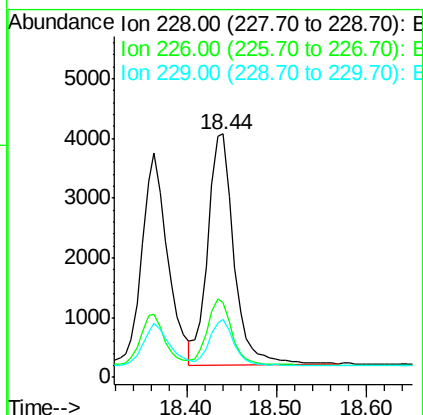
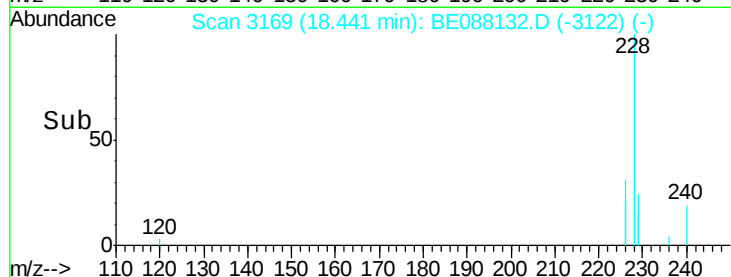
228 100

226 30.8 22.7 34.1

229 23.9 15.8 23.6#

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#21

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng m

RT: 23.63 min Scan# 4162

Delta R.T. 0.00 min

Lab File: BE088132.D

Acq: 21 Oct 2014 9:05

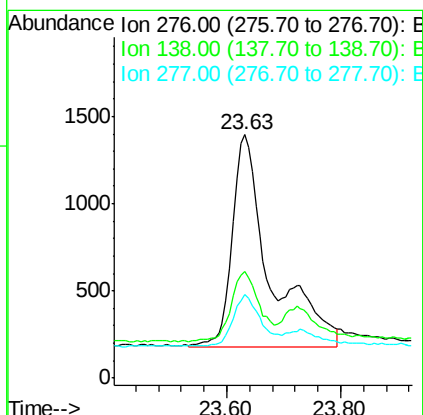
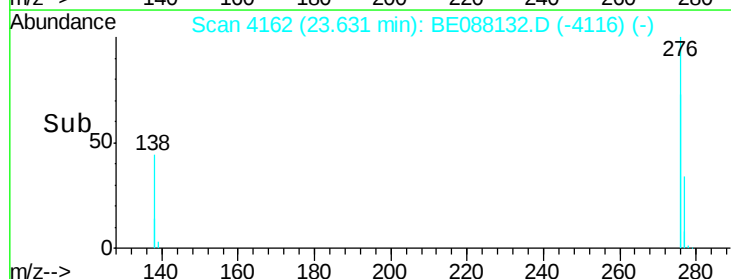
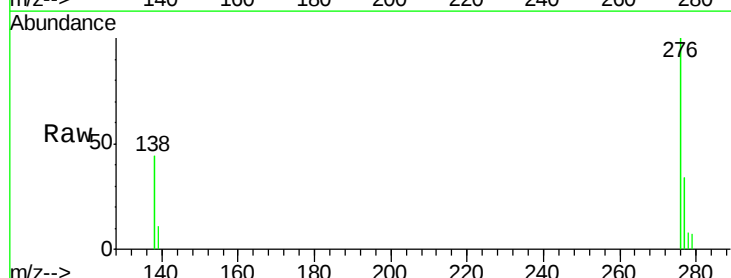
Tgt Ion: 276 Resp: 5652

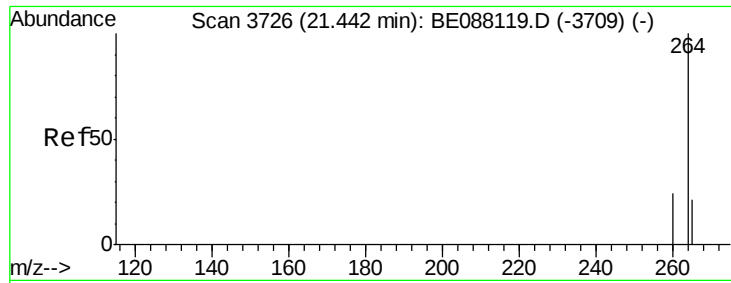
Ion Ratio Lower Upper

276 100

138 24.1 18.5 27.7

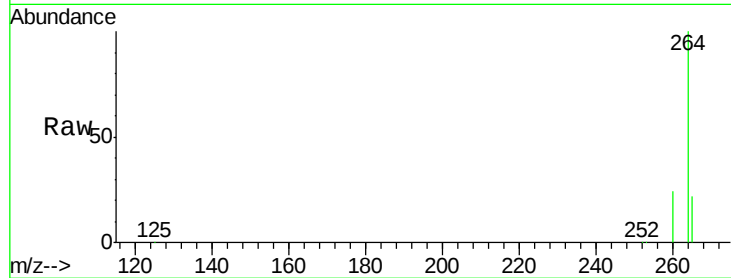
277 17.4 14.6 21.8





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3726
 Delta R.T. 0.00 min
 Lab File: BE088132.D
 Acq: 21 Oct 2014 9:05

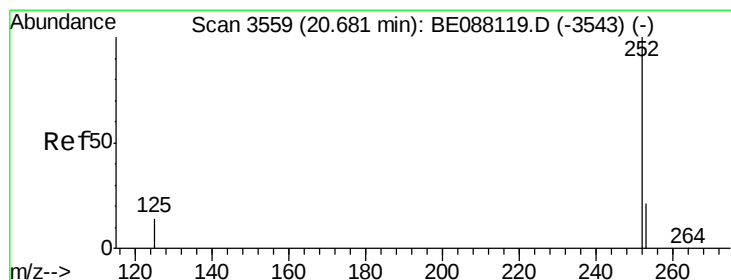
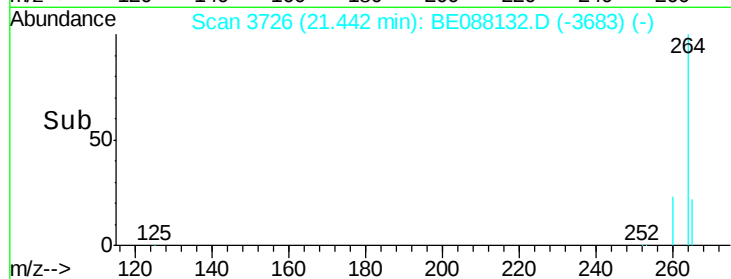
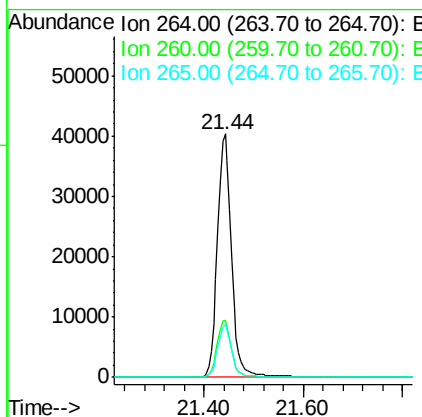
Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB02-101414-SO



Tgt Ion: 264 Resp: 78981
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.0 28.4
 265 21.7 17.2 25.8

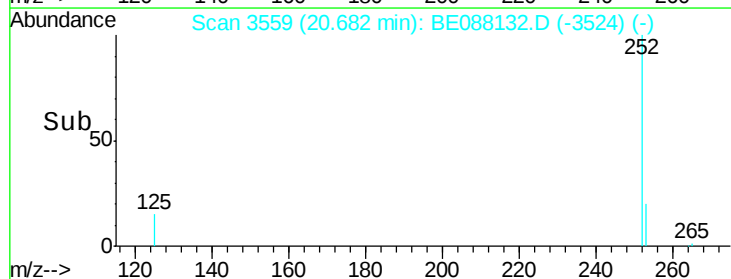
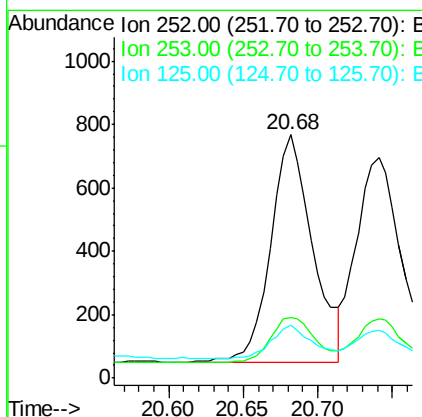
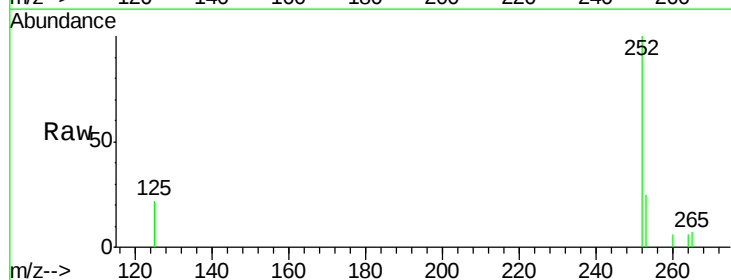
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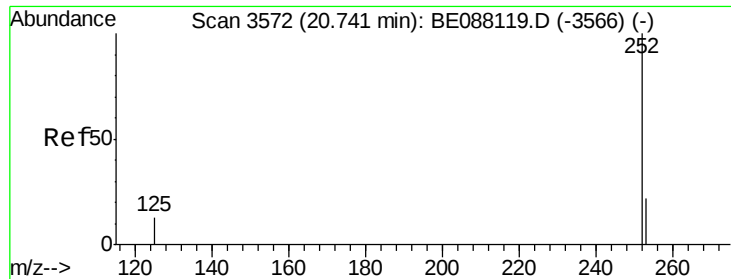
mohammad
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#23
 Benzo(b)fluoranthene
 Concen: 0.07 ng
 RT: 20.68 min Scan# 3559
 Delta R.T. 0.00 min
 Lab File: BE088132.D
 Acq: 21 Oct 2014 9:05

Tgt Ion: 252 Resp: 1404
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.4 26.0
 125 21.7 11.8 17.8#





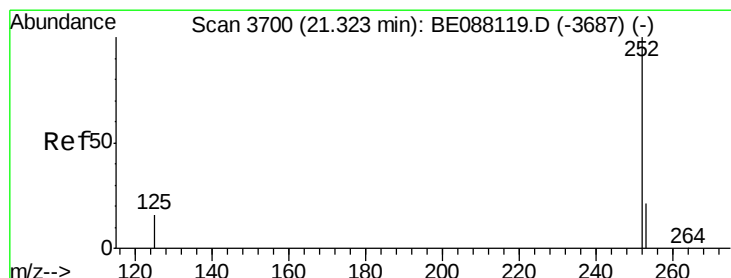
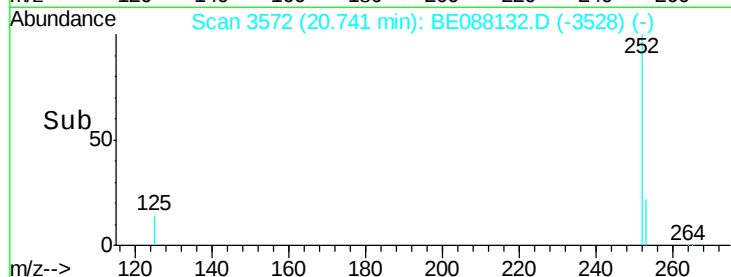
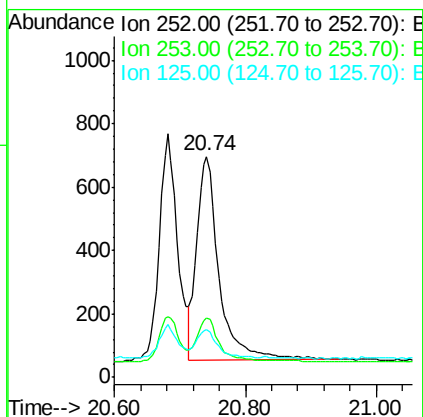
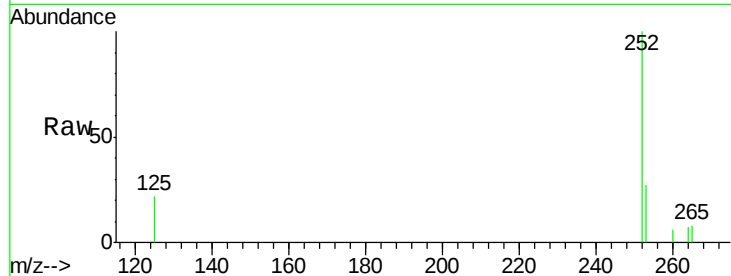
#24
Benzo(k)fluoranthene
Concen: 0.08 ng
RT: 20.74 min Scan# 3572
Delta R.T. 0.00 min
Lab File: BE088132.D
Acq: 21 Oct 2014 9:05

Instrument :
BNA_E
ClientSampleId :
YS19-EB02-101414-SO

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.6	26.4#
125	21.8	11.5	17.3#

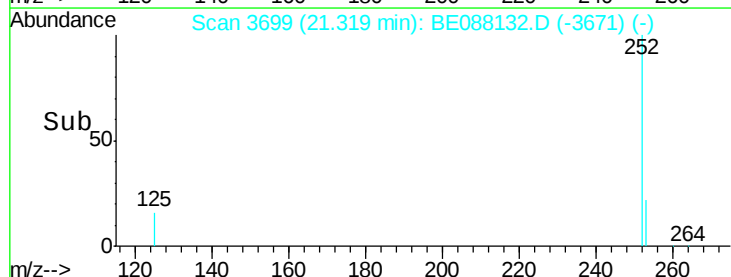
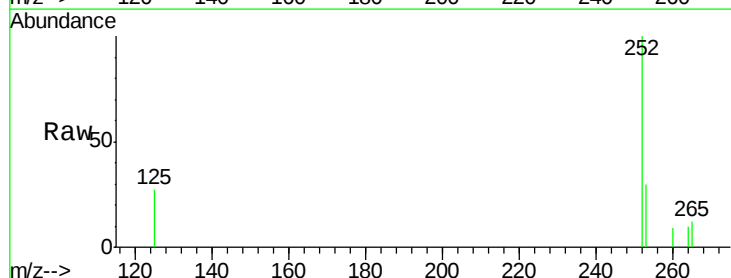
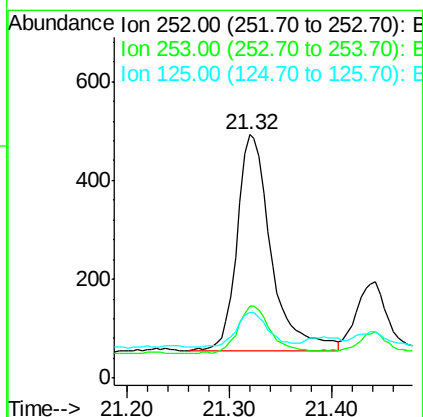
Manual Integrations
APPROVED

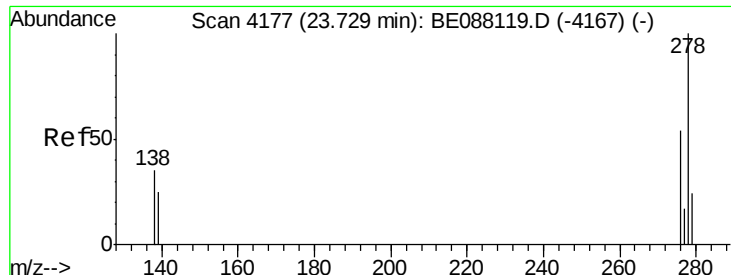
mohammad
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#25
Benzo(a)pyrene
Concen: 0.06 ng
RT: 21.32 min Scan# 3699
Delta R.T. -0.00 min
Lab File: BE088132.D
Acq: 21 Oct 2014 9:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	17.5	26.3#
125	27.2	13.0	19.6#





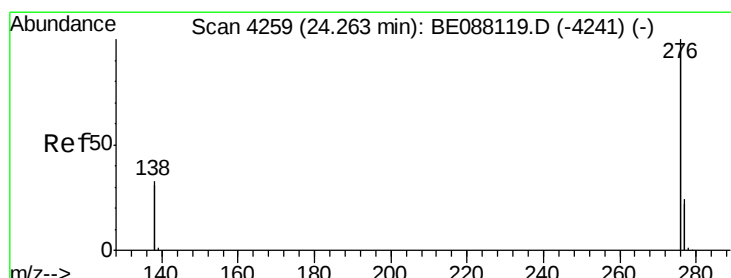
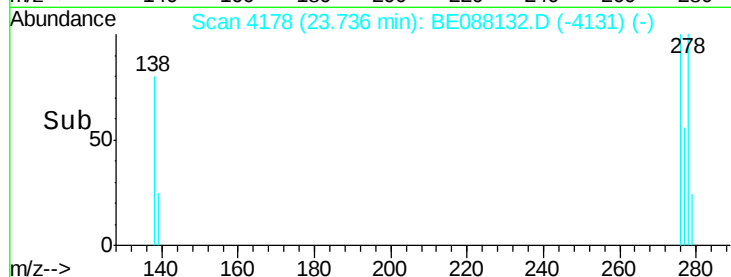
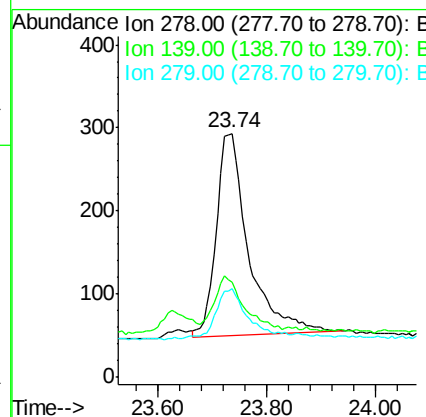
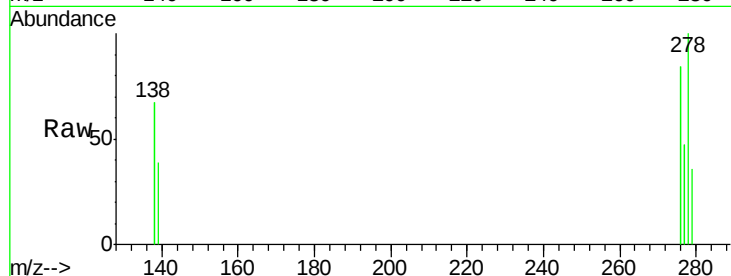
#26
Dibenzo(a,h)anthracene
Concen: 0.06 ng
RT: 23.74 min Scan# 4178
Delta R.T. 0.01 min
Lab File: BE088132.D
Acq: 21 Oct 2014 9:05

Instrument :
BNA_E
ClientSampleId :
YS19-EB02-101414-SO

Tgt Ion	Ratio	Lower	Upper
278	100		
139	39.2	20.9	31.3#
279	36.2	19.8	29.8#

Manual Integrations
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#27
Benzo(g,h,i)perylene
Concen: 0.07 ng
RT: 24.26 min Scan# 4259
Delta R.T. 0.00 min
Lab File: BE088132.D
Acq: 21 Oct 2014 9:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	32.6	19.2	28.8#
138	42.4	26.6	40.0#

