

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
 Data File : BE088183.D
 Acq On : 22 Oct 2014 16:03
 Operator : TP/JJ
 Sample : PB79729BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB79729BL

Manual Integrations
 APPROVED

mohammad
 10/28/2014 12:05:45 PM

Quant Time: Oct 27 04:22:48 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	28137	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	109801	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	57307	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	87228	5.00	ng	0.00
16) Chrysene-d12	18.39	240	54774	5.00	ng	0.00
22) Perylene-d12	21.45	264	51382	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	57471	7.26	ng	0.00
8) 2-Fluorobiphenyl	10.04	172	104886	6.63	ng	0.00
18) Terphenyl-d14	16.15	244	78390	8.89	ng	0.00
Target Compounds						Qvalue
5) Naphthalene	8.72	128	1282	0.06	ng	# 93
6) 2-Methylnaphthalene	9.58	142	1506	0.11	ng	95
9) Acenaphthylene	10.67	152	17376	0.20	ng	100
10) Acenaphthene	10.88	154	3143	0.23	ng	93
11) Fluorene	11.55	166	3719	0.26	ng	98
13) Phenanthrene	13.01	178	30154	0.26	ng	96
14) Anthracene	13.09	178	21491	0.32	ng	98
15) Fluoranthene	15.25	202	4627	0.28	ng	100
17) Pyrene	15.70	202	4863	0.33	ng	100
19) Benzo(a)anthracene	18.36	228	13702	0.28	ng	97
20) Chrysene	18.44	228	16465	0.34	ng	98
21) Indeno(1,2,3-cd)pyrene	23.64	276	12304m	0.23	ng	
23) Benzo(b)fluoranthene	20.69	252	2794	0.23	ng	95
24) Benzo(k)fluoranthene	20.75	252	3389	0.26	ng	# 94
25) Benzo(a)pyrene	21.32	252	2503	0.22	ng	# 92
26) Dibenzo(a,h)anthracene	23.74	278	2421	0.22	ng	90
27) Benzo(g,h,i)perylene	24.27	276	12859	0.26	ng	94

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

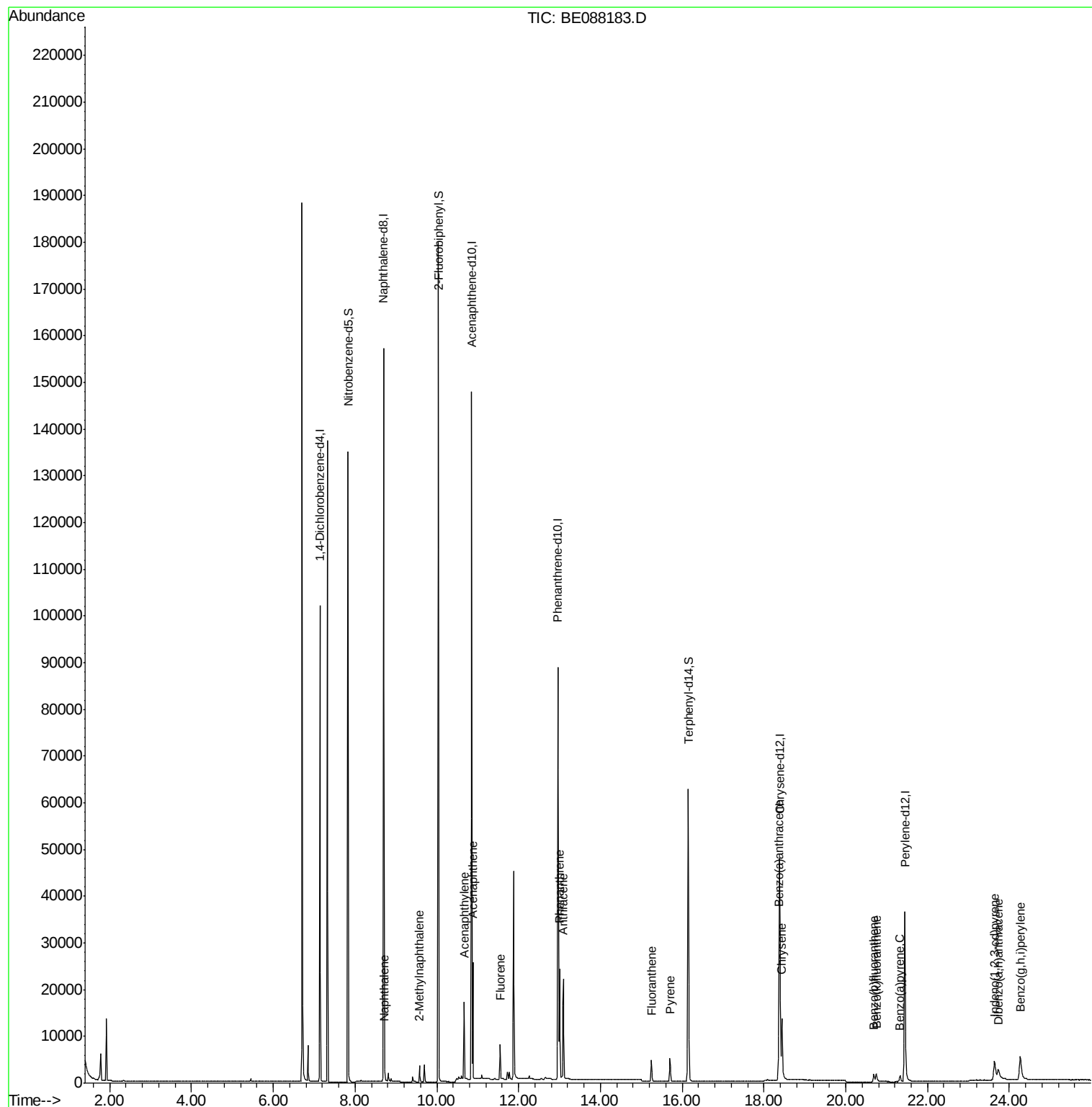
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102214\
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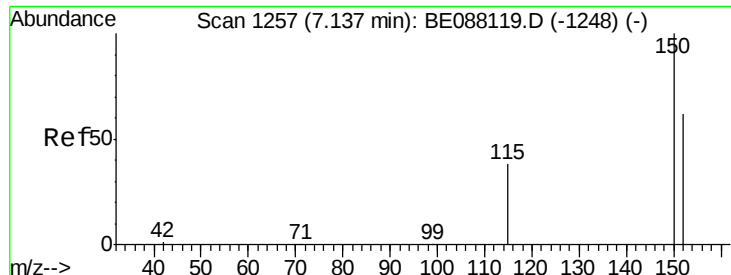
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088183.D

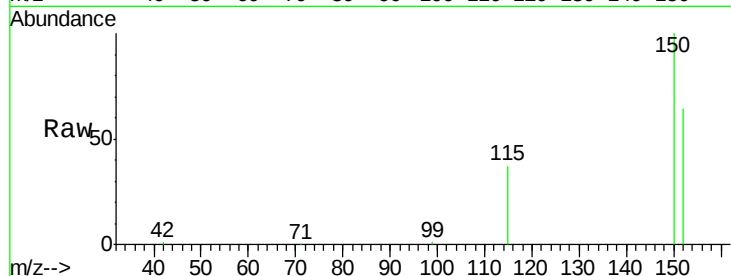
Acq: 22 Oct 2014 16:03

Instrument :

BNA_E

ClientSampleId :

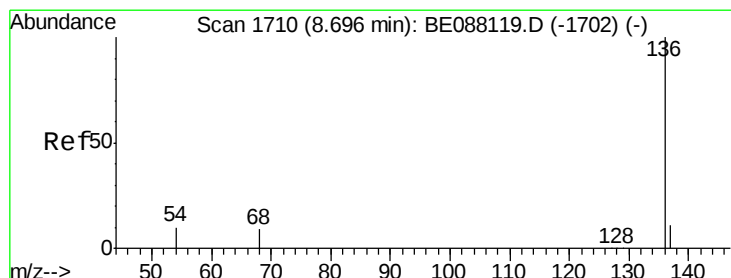
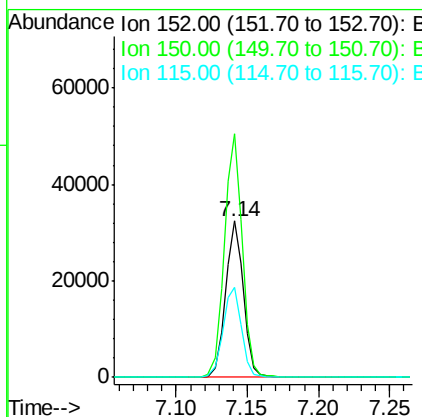
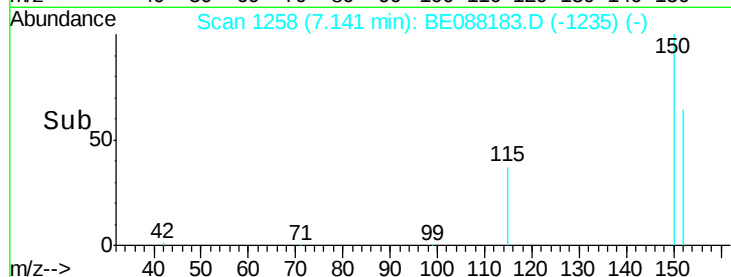
PB79729BL



Tgt Ion:	152	Resp:	28137
Ion Ratio	Lower	Upper	
152	100		
150	155.8	129.2	193.8
115	57.3	49.3	73.9

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#3

Naphthalene-d8

Concen: 5.00 ng

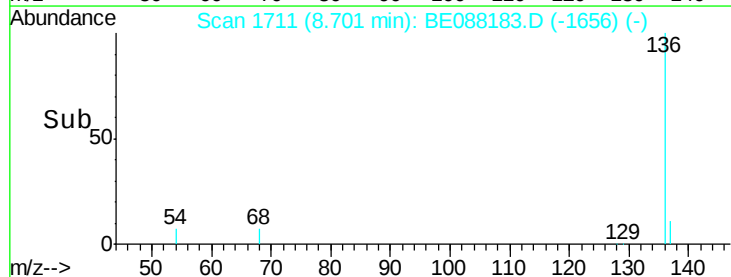
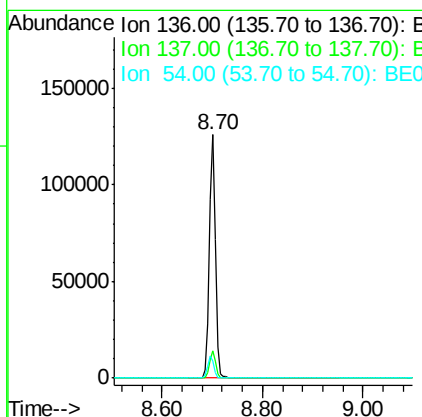
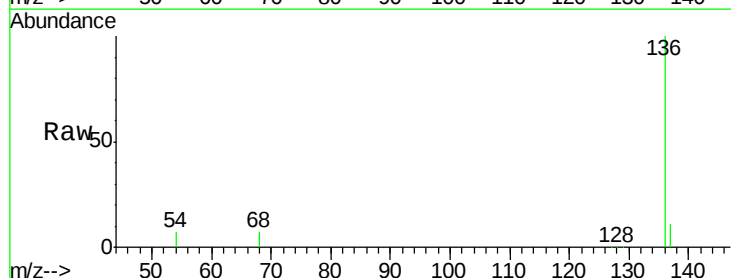
RT: 8.70 min Scan# 1711

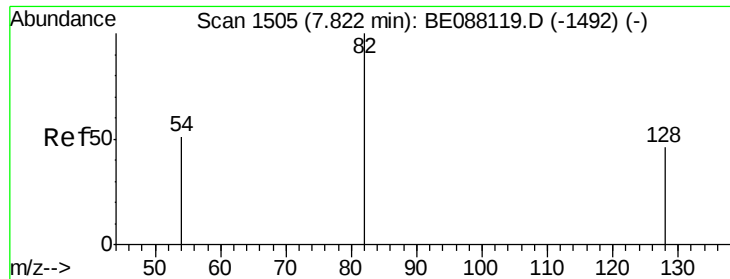
Delta R.T. 0.01 min

Lab File: BE088183.D

Acq: 22 Oct 2014 16:03

Tgt Ion:	136	Resp:	109801
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	12.8
54	7.0	7.7	11.5#





#4

Nitrobenzene-d5

Concen: 7.26 ng

RT: 7.83 min Scan# 1507

Delta R.T. 0.00 min

Lab File: BE088183.D

Acq: 22 Oct 2014 16:03

Instrument :

BNA_E

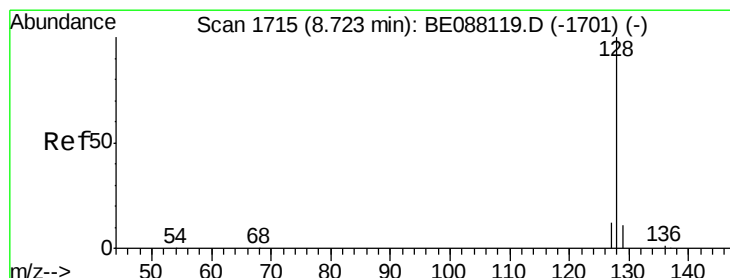
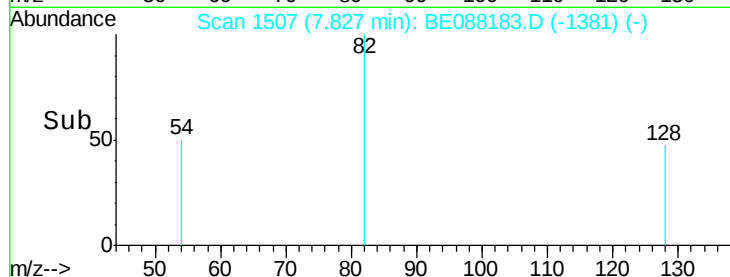
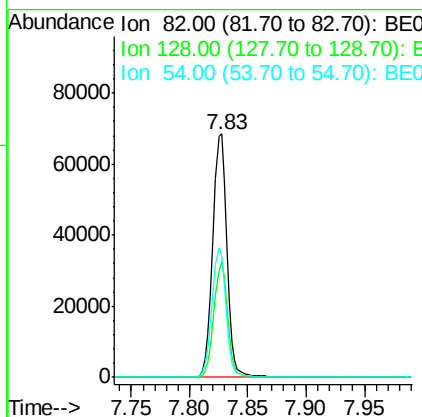
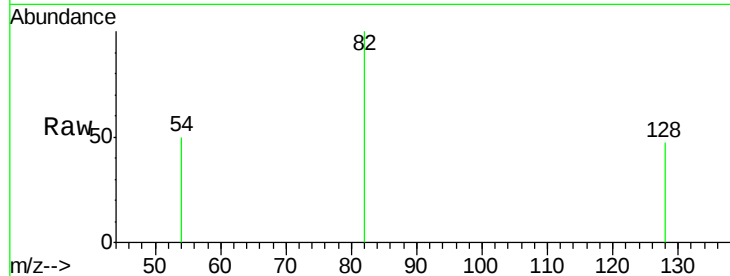
ClientSampleId :

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Tgt Ion	82	Resp	57471
Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.1	55.7
54	50.1	41.1	61.7



#5

Naphthalene

Concen: 0.06 ng

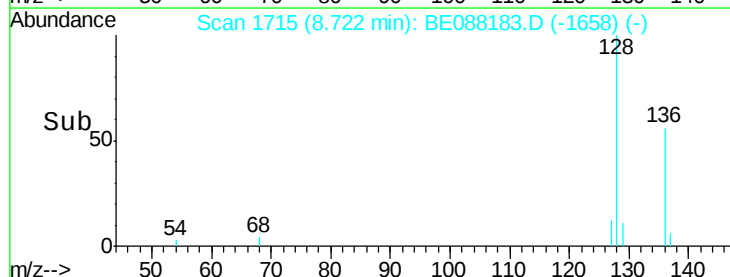
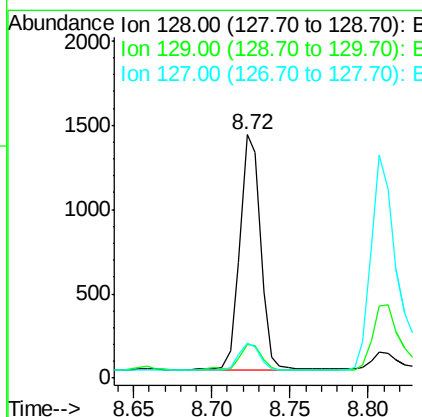
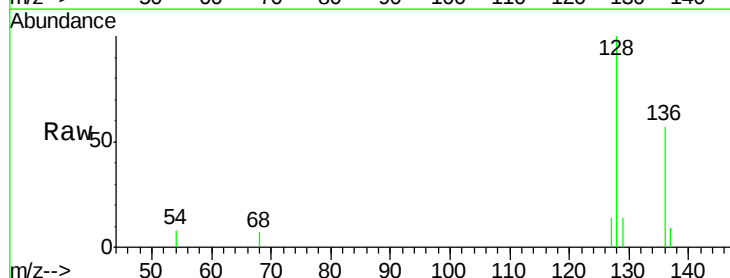
RT: 8.72 min Scan# 1715

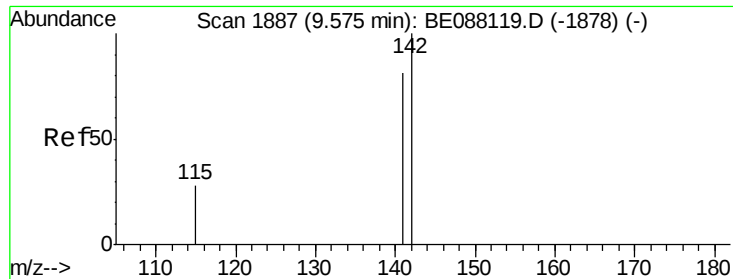
Delta R.T. -0.00 min

Lab File: BE088183.D

Acq: 22 Oct 2014 16:03

Tgt Ion	128	Resp	1282
Ion	Ratio	Lower	Upper
128	100		
129	14.1	8.9	13.3#
127	14.5	9.7	14.5





#6

2-Methylnaphthalene

Concen: 0.11 ng

RT: 9.58 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BE088183.D

Acq: 22 Oct 2014 16:03

Instrument :

BNA_E

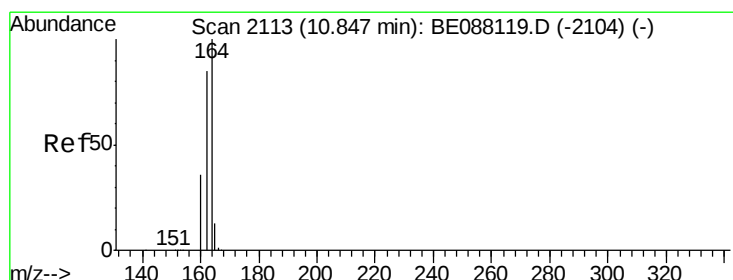
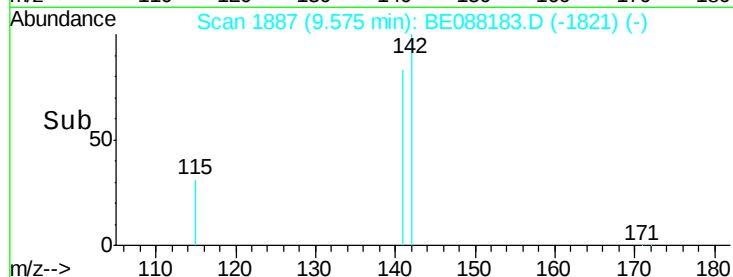
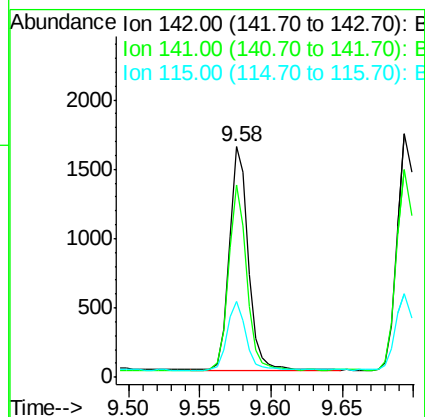
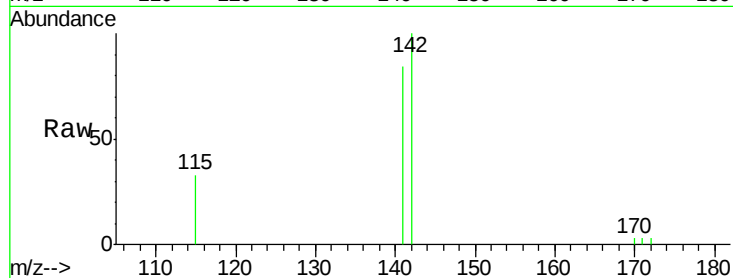
ClientSampleId :

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Tgt Ion:	142	Resp:	1506
Ion Ratio	Lower	Upper	
142	100		
141	83.7	64.6	97.0
115	32.9	22.6	34.0

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#7

Acenaphthene-d10

Concen: 5.00 ng

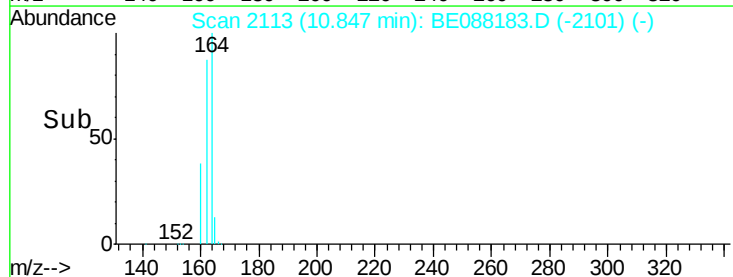
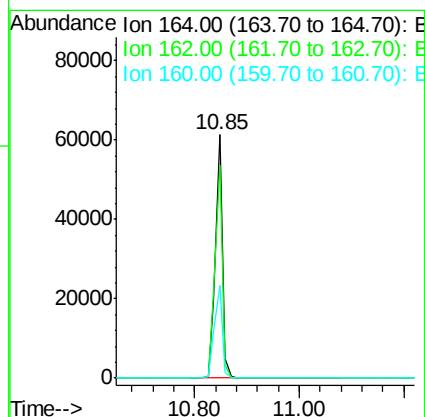
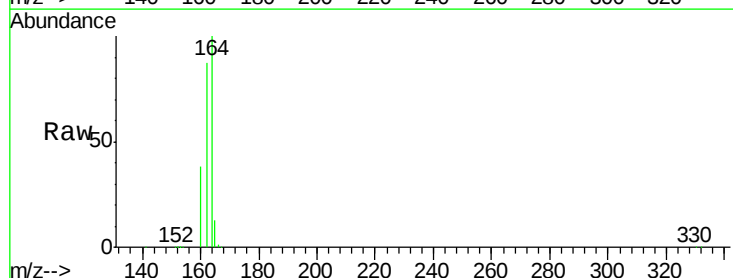
RT: 10.85 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088183.D

Acq: 22 Oct 2014 16:03

Tgt Ion:	164	Resp:	57307
Ion Ratio	Lower	Upper	
164	100		
162	87.5	68.3	102.5
160	38.0	28.7	43.1





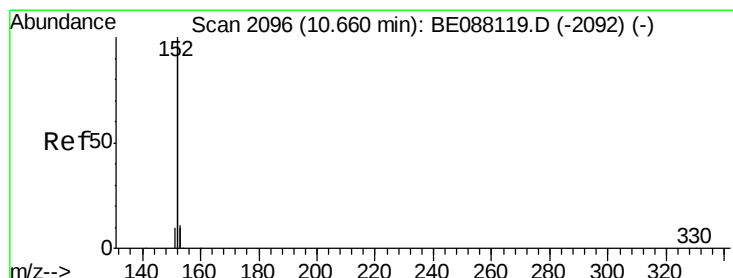
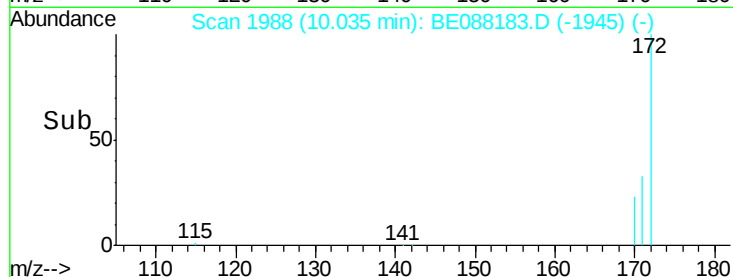
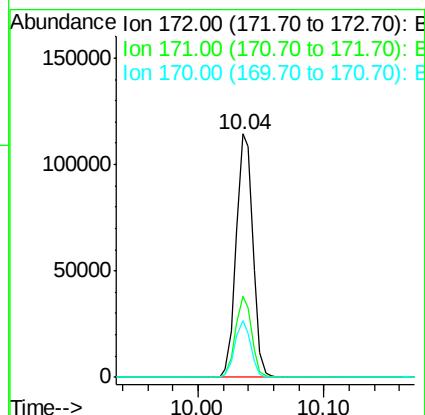
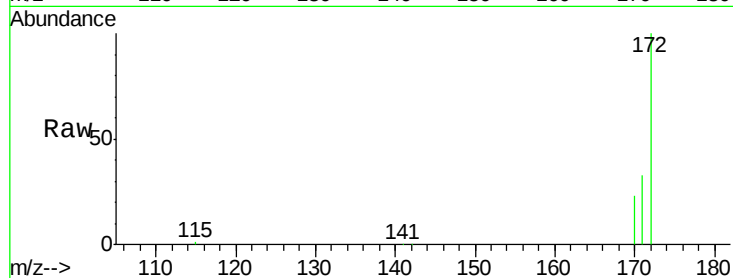
#8
2-Fluorobiphenyl
Concen: 6.63 ng
RT: 10.04 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BE088183.D
Acq: 22 Oct 2014 16:03

Instrument :
BNA_E
ClientSampleId :
PB79729BL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.2	25.4	38.2
170	23.3	17.4	26.2

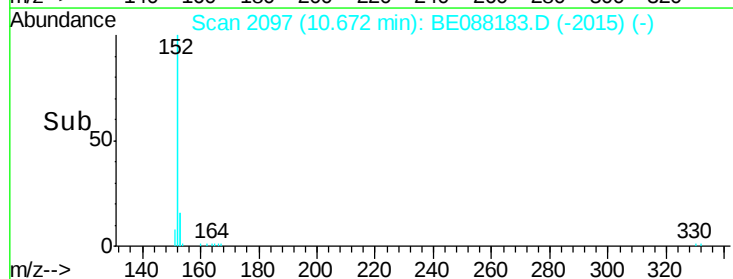
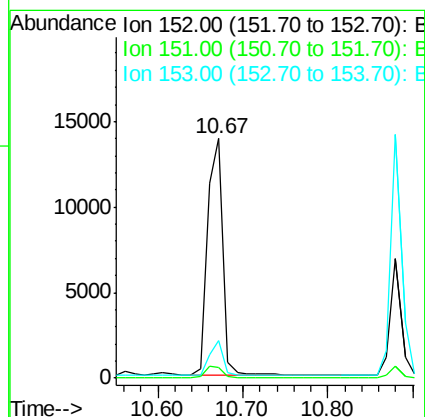
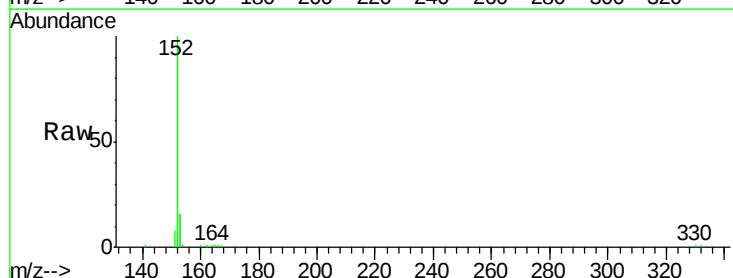
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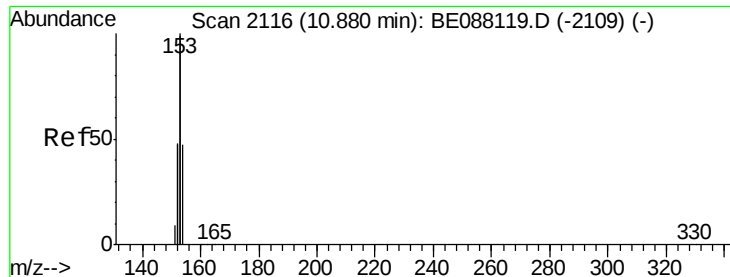
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#9
Acenaphthylene
Concen: 0.20 ng
RT: 10.67 min Scan# 2097
Delta R.T. 0.01 min
Lab File: BE088183.D
Acq: 22 Oct 2014 16:03

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.6	3.7	5.5
153	13.1	10.4	15.6





#10

Acenaphthene

Concen: 0.23 ng

RT: 10.88 min Scan# 2116

Delta R.T. 0.00 min

Lab File: BE088183.D

Acq: 22 Oct 2014 16:03

Instrument :

BNA_E

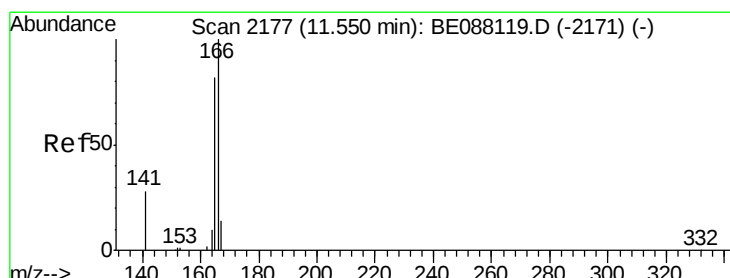
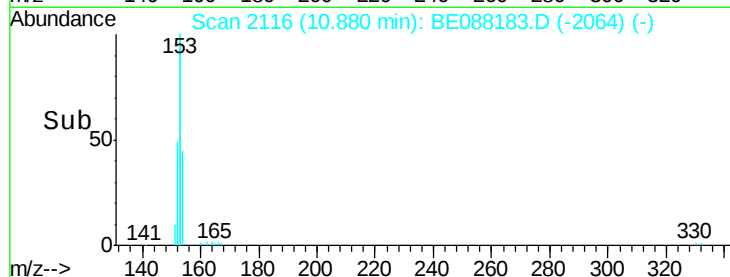
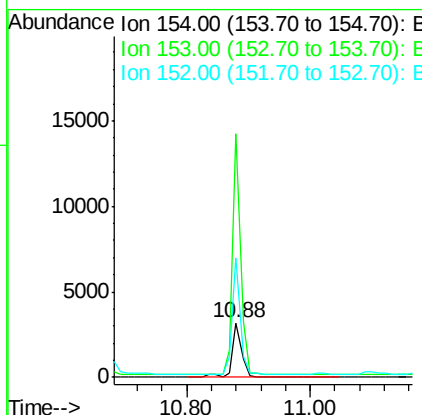
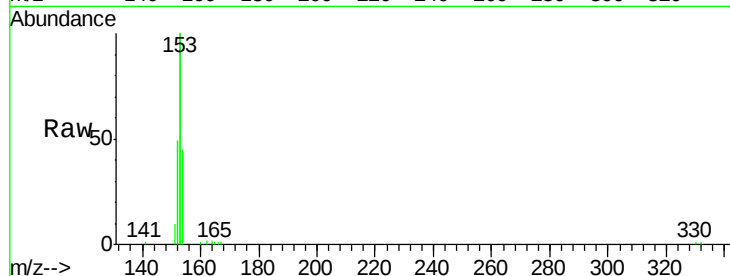
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Tgt Ion:	154	Resp:	3143
Ion Ratio	Lower	Upper	
154	100		
153	392.3	327.8	491.6
152	188.9	157.6	236.4



#11

Fluorene

Concen: 0.26 ng

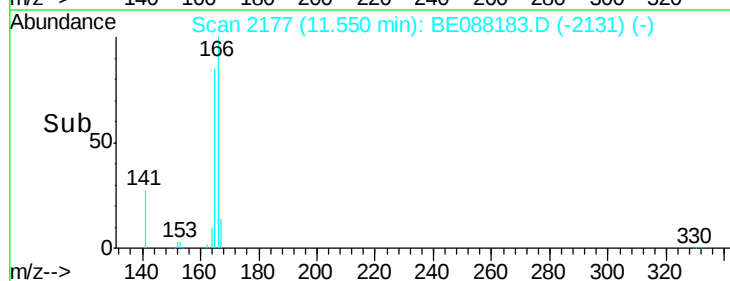
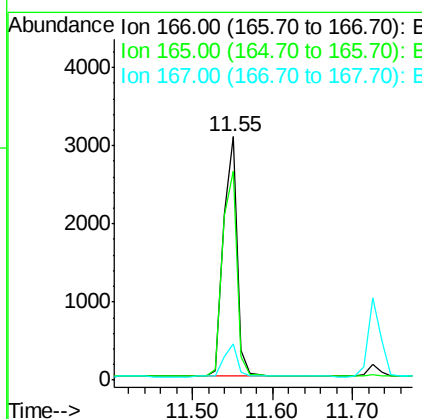
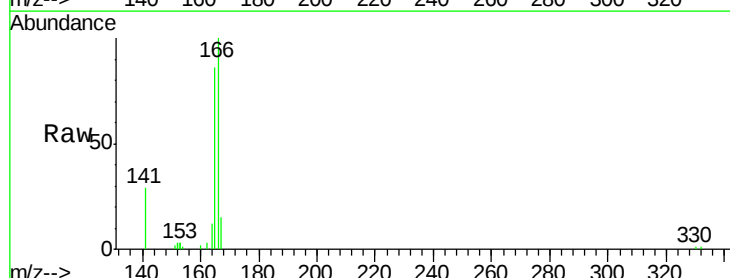
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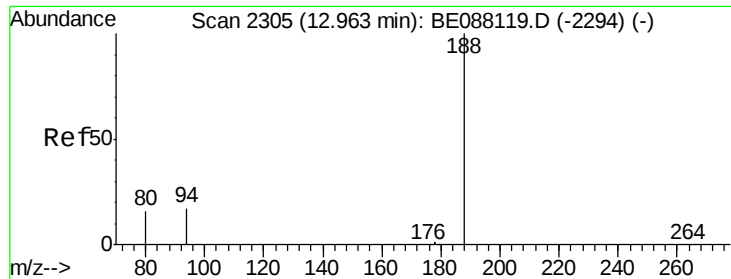
Delta R.T. 0.00 min

Lab File: BE088183.D

Acq: 22 Oct 2014 16:03

Tgt Ion:	166	Resp:	3719
Ion Ratio	Lower	Upper	
166	100		
165	90.9	71.4	107.2
167	13.6	10.6	16.0





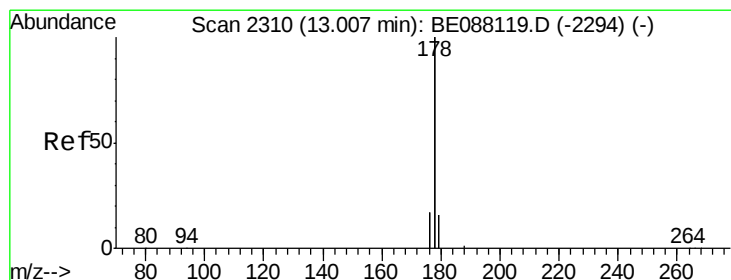
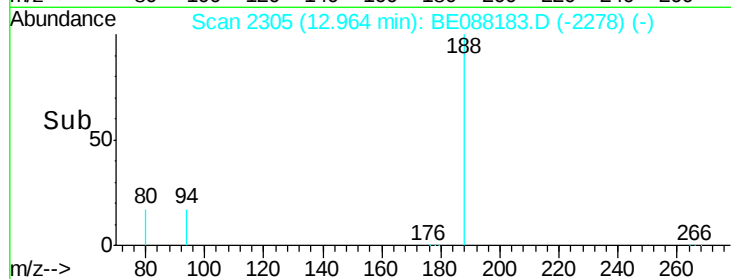
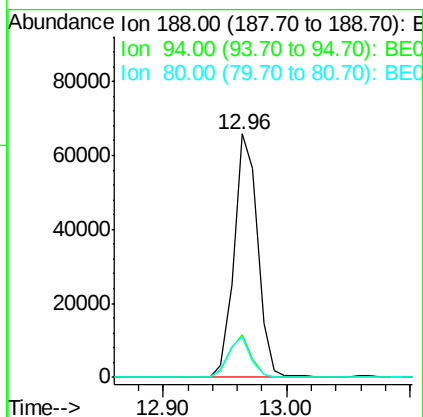
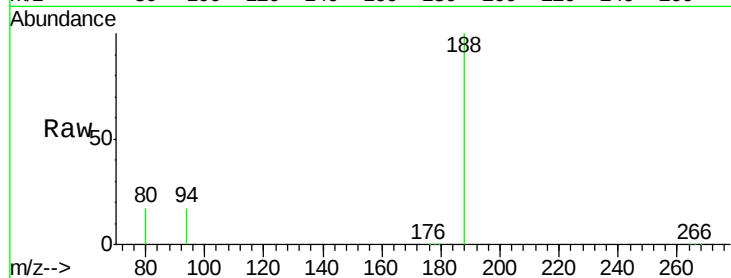
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BE088183.D
Acq: 22 Oct 2014 16:03

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Tgt Ion	Ratio	Lower	Upper
188	100		
94	17.3	13.9	20.9
80	16.6	12.9	19.3

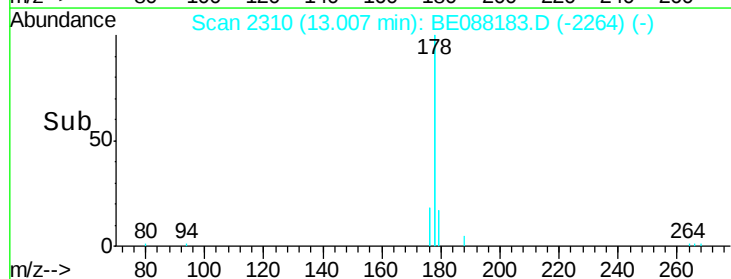
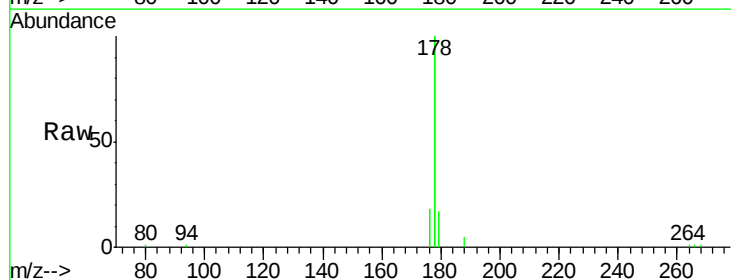
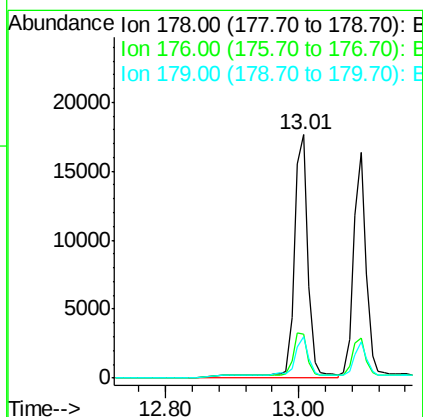
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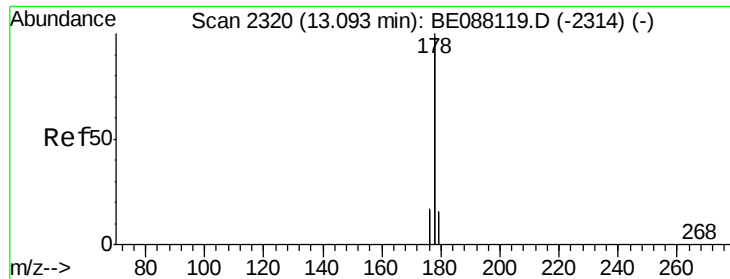
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#13
Phenanthrene
Concen: 0.26 ng
RT: 13.01 min Scan# 2310
Delta R.T. 0.00 min
Lab File: BE088183.D
Acq: 22 Oct 2014 16:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	14.4	12.5	18.7
179	14.6	13.5	20.3





#14

Anthracene

Concen: 0.32 ng

RT: 13.09 min Scan# 2320

Delta R.T. 0.00 min

Lab File: BE088183.D

Acq: 22 Oct 2014 16:03

Instrument :

BNA_E

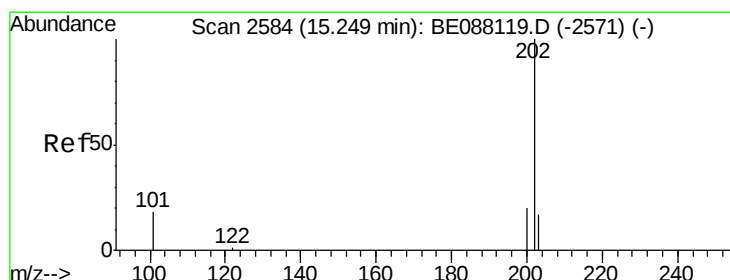
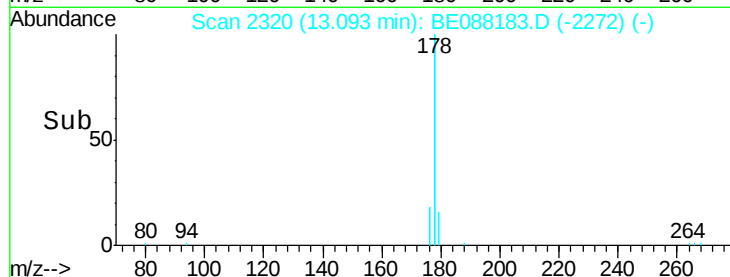
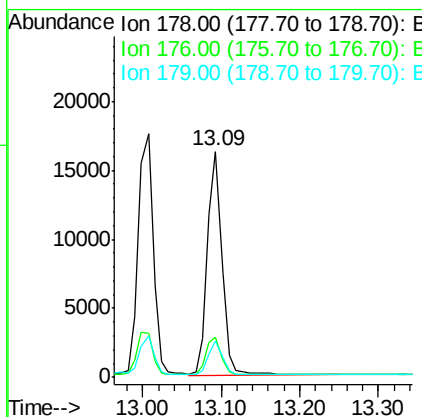
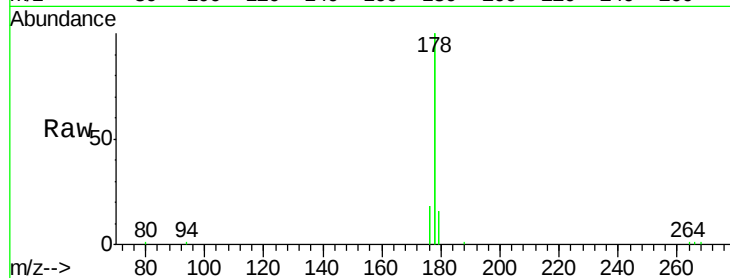
ClientSampleId :

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Tgt Ion:	178	Resp:	21491
Ion Ratio	Lower	Upper	
178	100		
176	17.1	14.6	21.8
179	15.0	12.5	18.7



#15

Fluoranthene

Concen: 0.28 ng

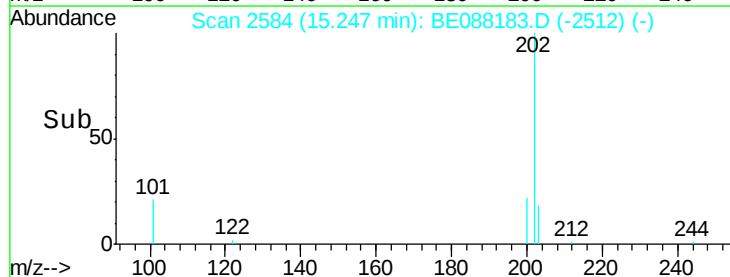
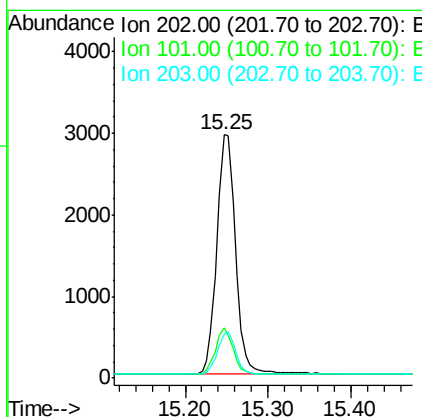
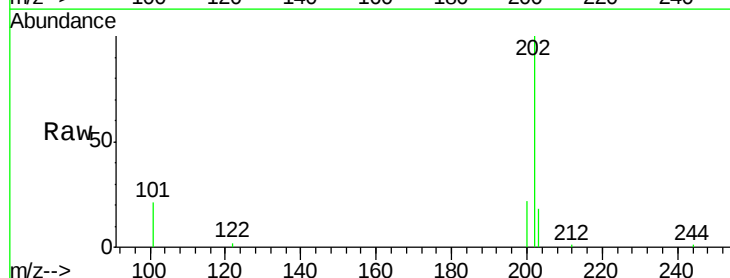
RT: 15.25 min Scan# 2584

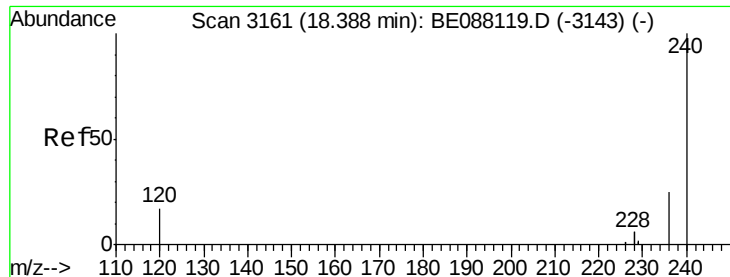
Delta R.T. -0.00 min

Lab File: BE088183.D

Acq: 22 Oct 2014 16:03

Tgt Ion:	202	Resp:	4627
Ion Ratio	Lower	Upper	
202	100		
101	18.2	14.8	22.2
203	17.0	13.5	20.3





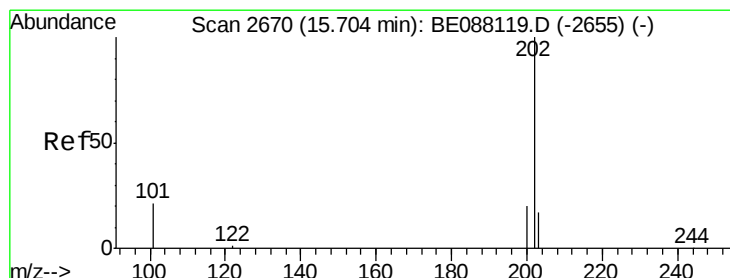
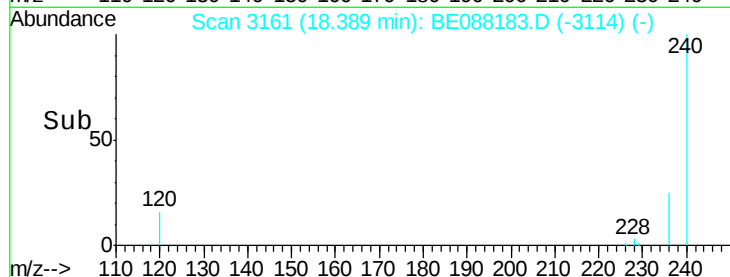
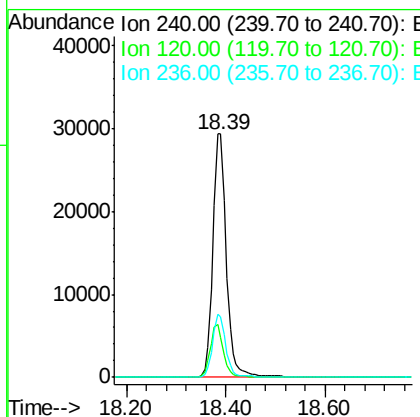
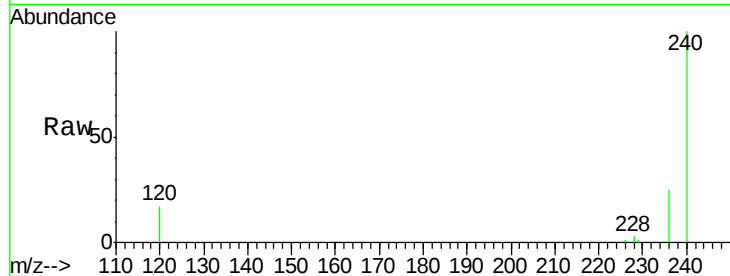
#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3161
Delta R.T. 0.00 min
Lab File: BE088183.D
Acq: 22 Oct 2014 16:03

Instrument :
BNA_E
ClientSampleId :
PB79729BL

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.5	13.9	20.9
236	24.8	19.9	29.9

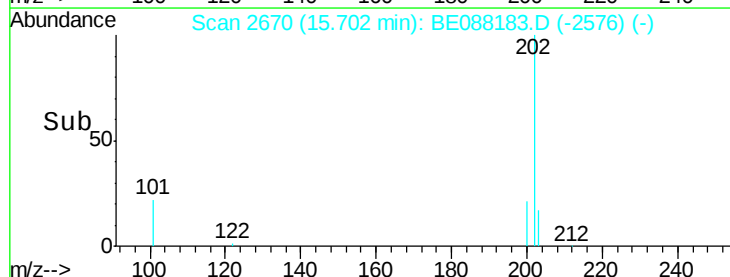
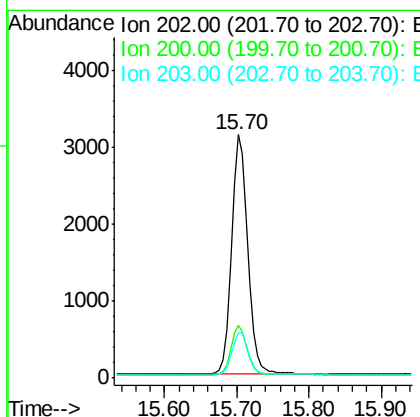
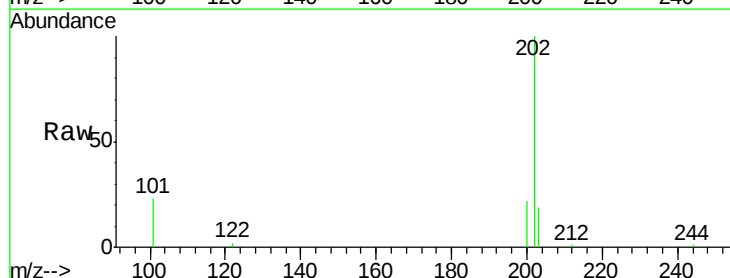
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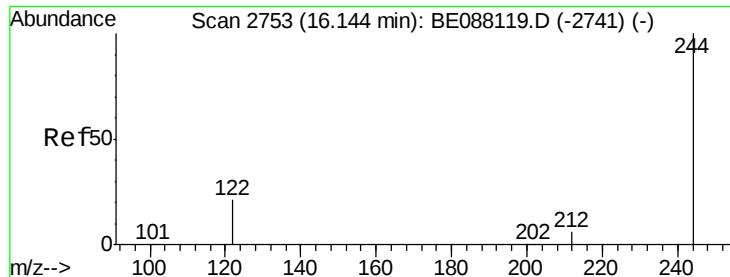
mohammad
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#17
Pyrene
Concen: 0.33 ng
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088183.D
Acq: 22 Oct 2014 16:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.1	24.1
203	17.8	13.9	20.9





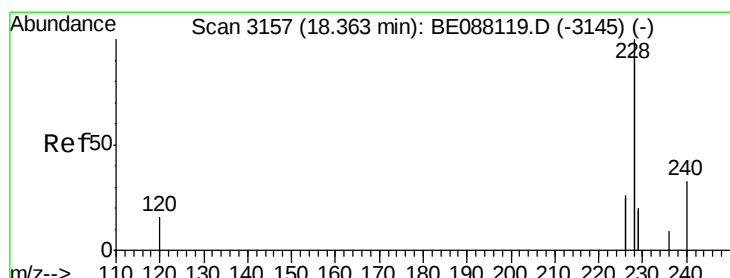
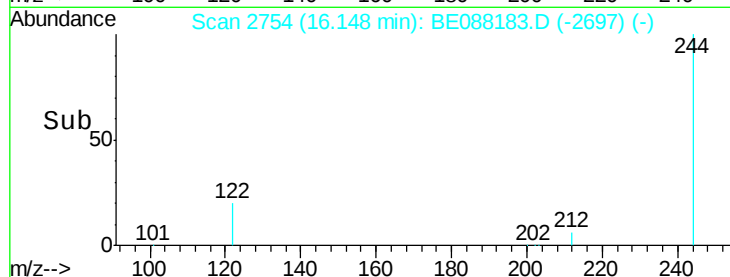
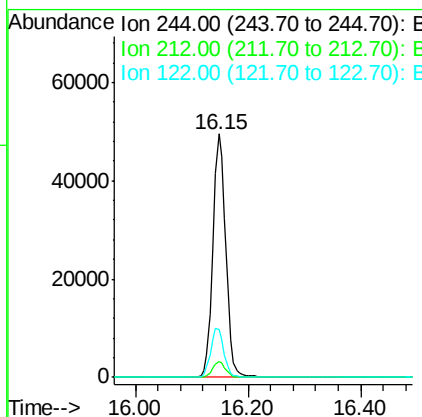
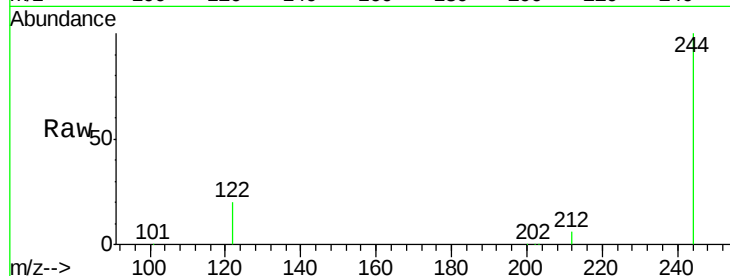
#18
 Terphenyl-d14
 Concen: 8.89 ng
 RT: 16.15 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: BE088183.D
 Acq: 22 Oct 2014 16:03

Instrument :
 BNA_E
 ClientSampleId :
 PB79729BL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	19.8	17.5	26.3

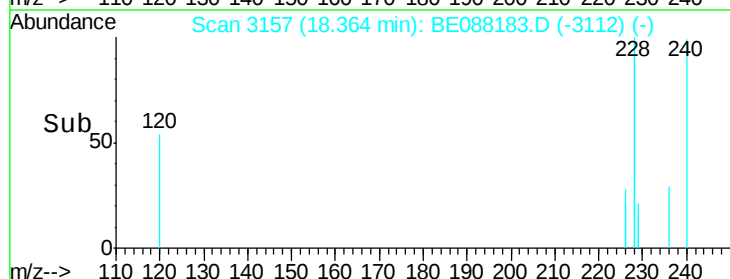
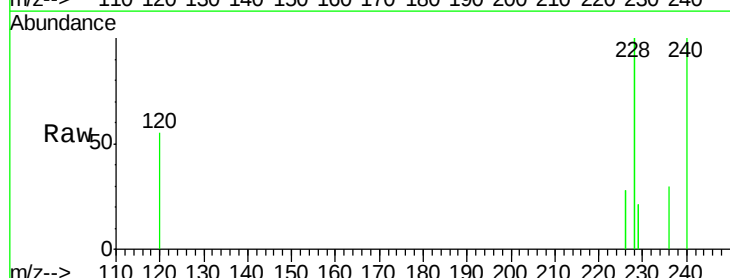
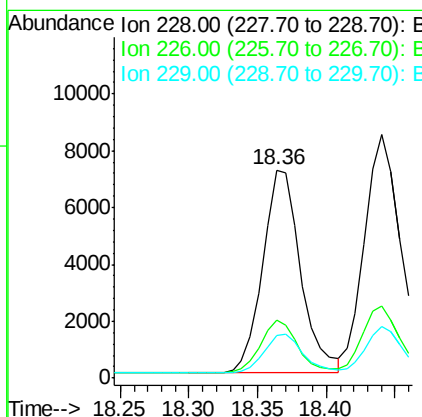
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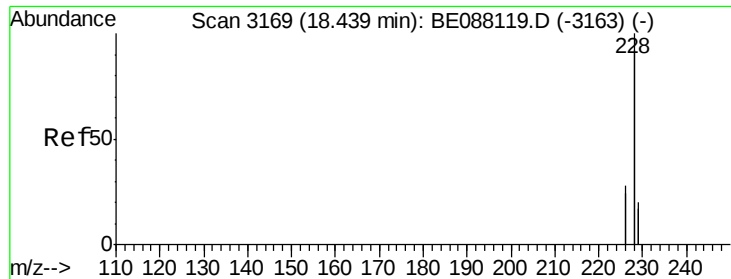
mohammad
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#19
 Benzo(a)anthracene
 Concen: 0.28 ng
 RT: 18.36 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: BE088183.D
 Acq: 22 Oct 2014 16:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	20.8	31.2
229	20.5	15.6	23.4





#20

Chrysene

Concen: 0.34 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088183.D

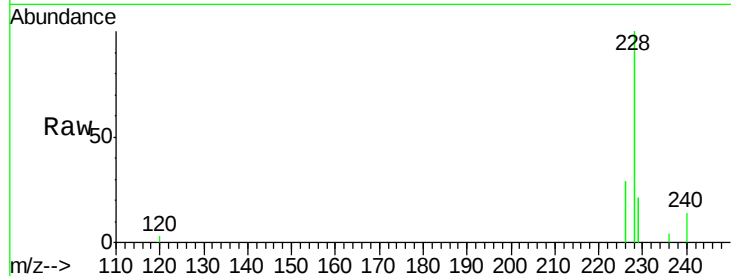
Acq: 22 Oct 2014 16:03

Instrument :

BNA_E

ClientSampleId :

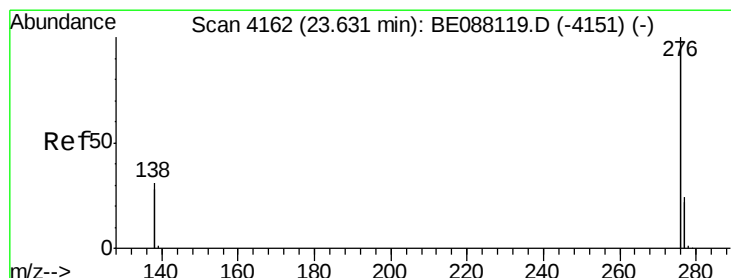
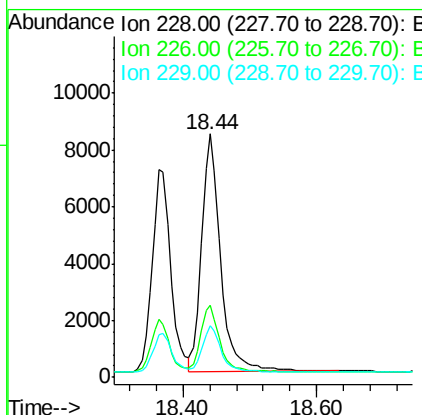
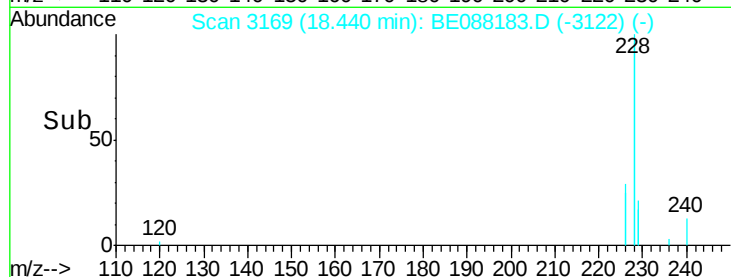
PB79729BL



Tgt Ion:	228	Resp:	16465
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.7	34.1
229	21.0	15.8	23.6

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#21

Indeno(1,2,3-cd)pyrene

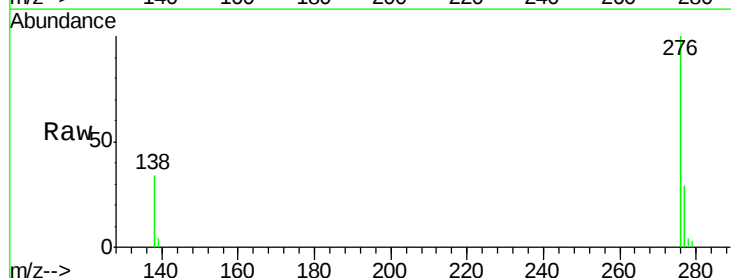
Concen: 0.23 ng m

RT: 23.64 min Scan# 4163

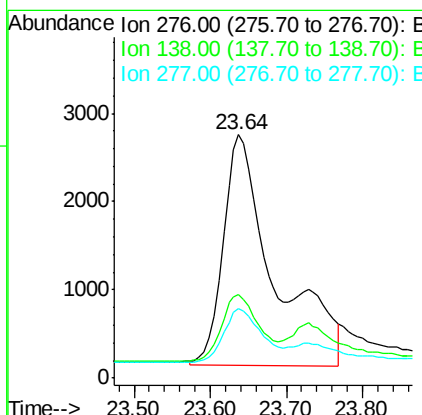
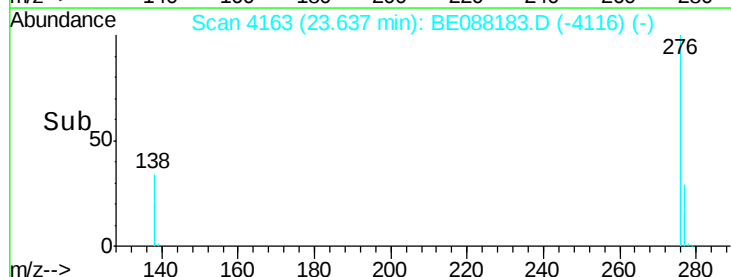
Delta R.T. 0.01 min

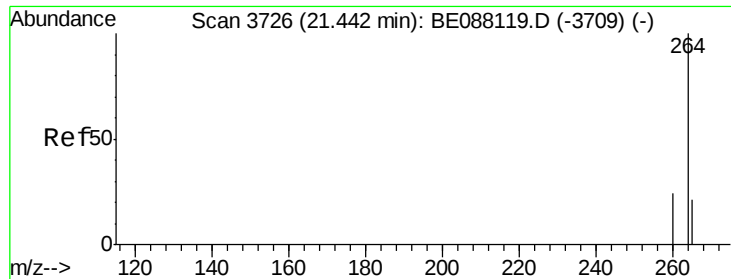
Lab File: BE088183.D

Acq: 22 Oct 2014 16:03



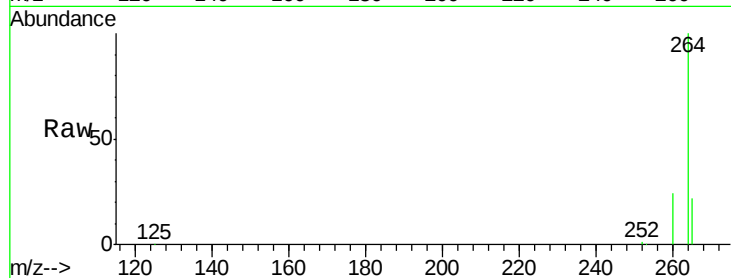
Tgt Ion:	276	Resp:	12304
Ion Ratio	Lower	Upper	
276	100		
138	21.0	18.5	27.7
277	17.1	14.6	21.8





#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.45 min Scan# 3727
 Delta R.T. 0.00 min
 Lab File: BE088183.D
 Acq: 22 Oct 2014 16:03

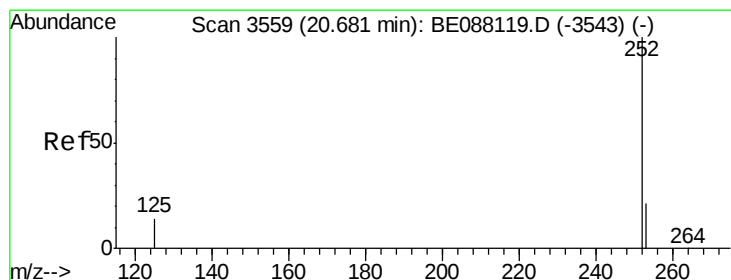
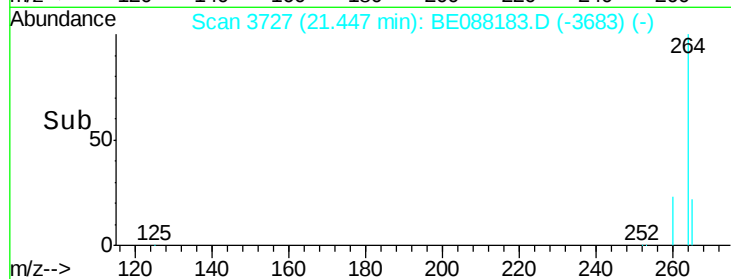
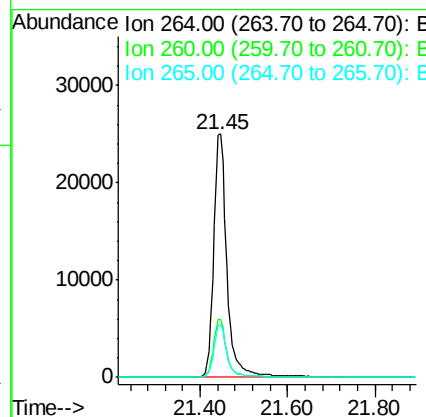
Instrument :
 BNA_E
 ClientSampleId :
 PB79729BL



Tgt Ion: 264 Resp: 51382
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.4
 265 21.7 17.2 25.8

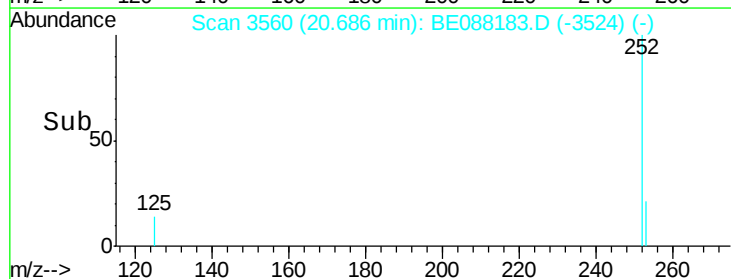
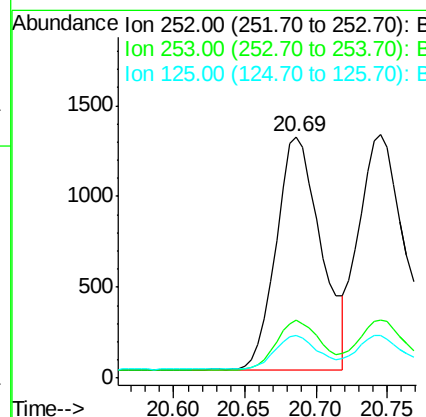
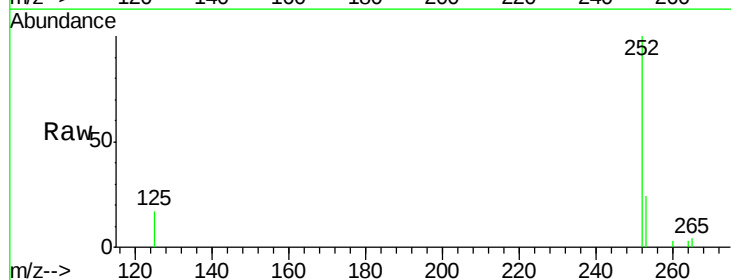
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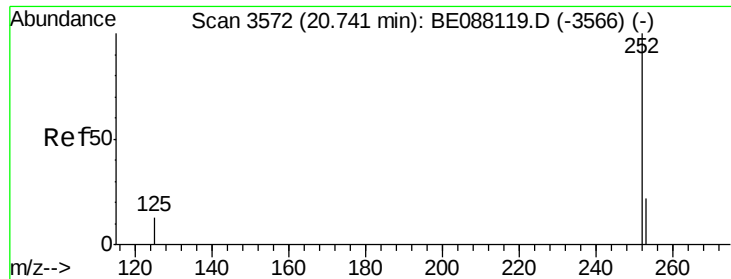
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#23
 Benzo(b)fluoranthene
 Concen: 0.23 ng
 RT: 20.69 min Scan# 3560
 Delta R.T. 0.00 min
 Lab File: BE088183.D
 Acq: 22 Oct 2014 16:03

Tgt Ion: 252 Resp: 2794
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.4 26.0
 125 17.4 11.8 17.8





#24

Benzo(k)fluoranthene

Concen: 0.26 ng

RT: 20.75 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BE088183.D

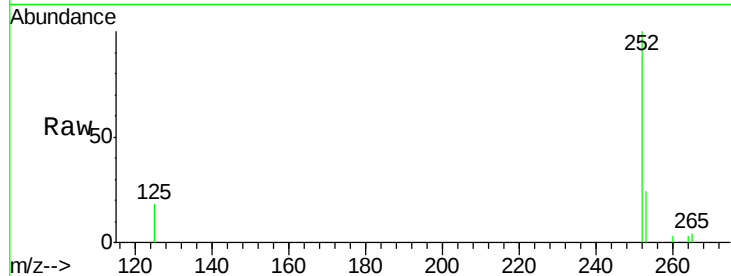
Acq: 22 Oct 2014 16:03

Instrument :

BNA_E

ClientSampleId :

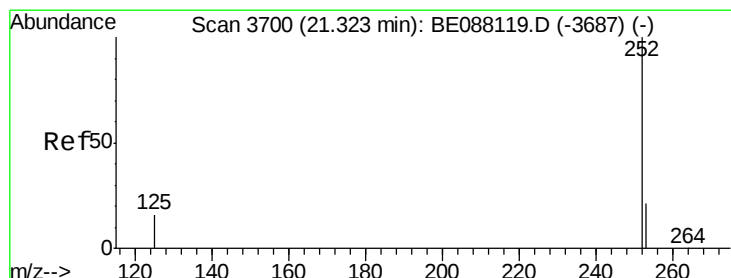
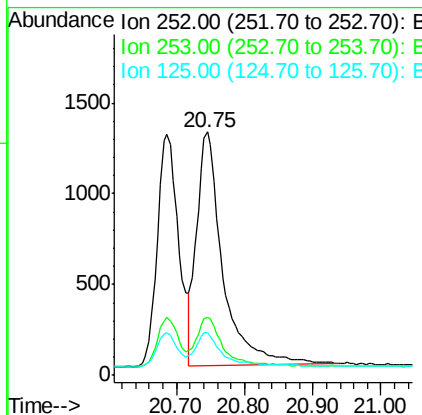
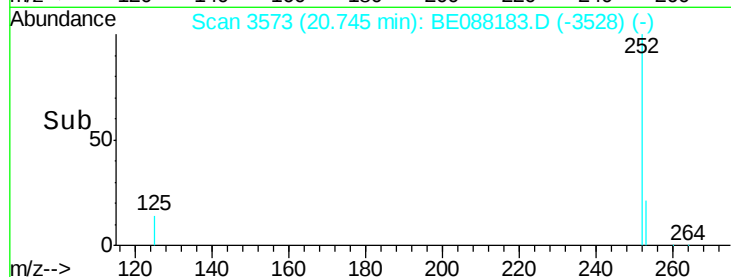
PB79729BL



Tgt Ion:	252	Resp:	3389
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.6	26.4
125	17.7	11.5	17.3#

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#25

Benzo(a)pyrene

Concen: 0.22 ng

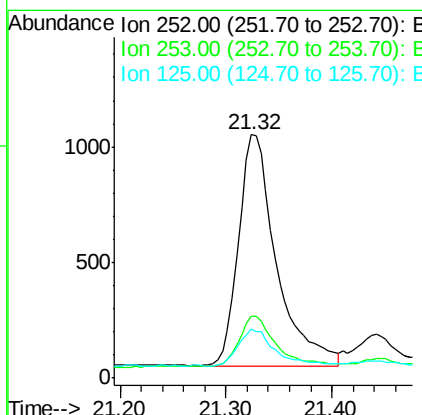
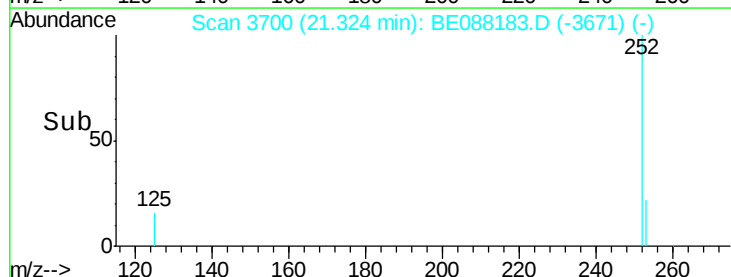
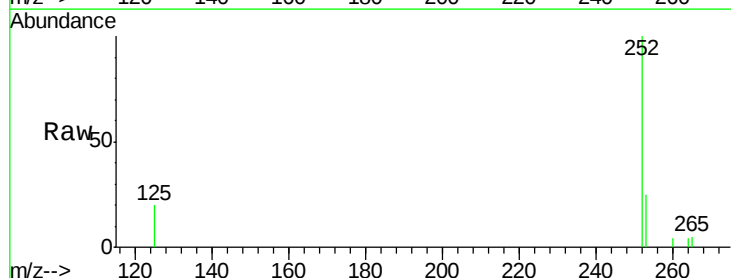
RT: 21.32 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BE088183.D

Acq: 22 Oct 2014 16:03

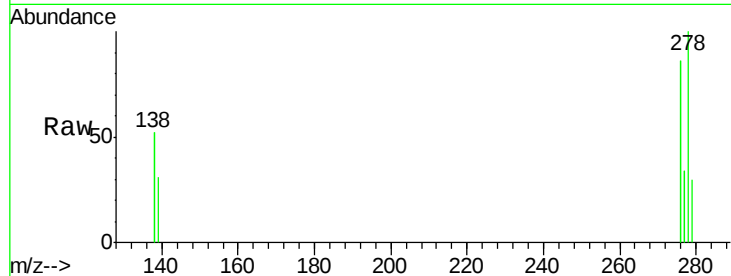
Tgt Ion:	252	Resp:	2503
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.5	26.3
125	20.0	13.0	19.6#





#26
Dibenzo(a,h)anthracene
Concen: 0.22 ng
RT: 23.74 min Scan# 4178
Delta R.T. 0.01 min
Lab File: BE088183.D
Acq: 22 Oct 2014 16:03

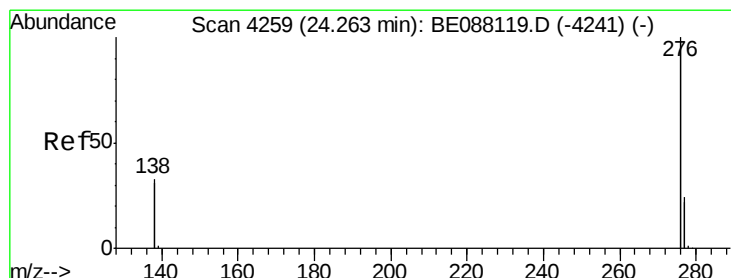
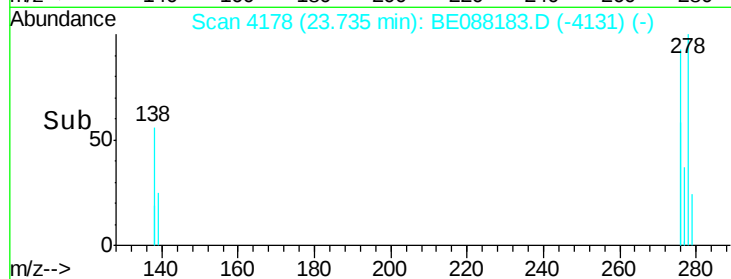
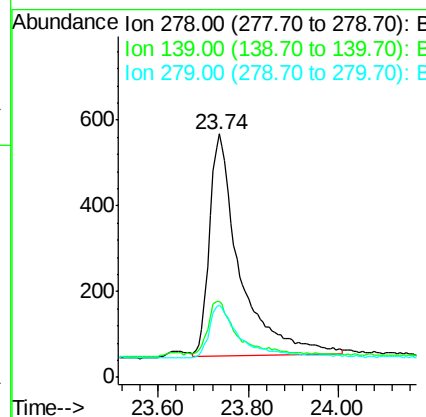
Instrument :
BNA_E
ClientSampleId :
PB79729BL



Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.2	20.9	31.3
279	29.8	19.8	29.8

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#27
Benzo(g,h,i)perylene
Concen: 0.26 ng
RT: 24.27 min Scan# 4260
Delta R.T. 0.01 min
Lab File: BE088183.D
Acq: 22 Oct 2014 16:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.2	28.8
138	36.1	26.6	40.0

