

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
 Data File : BE088319.D
 Acq On : 27 Oct 2014 18:34
 Operator : TP/JJ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Manual Integrations
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mohammad
 10/29/2014 11:11:13 AM

Quant Time: Oct 28 10:08:15 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102714.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 01:17:45 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	39150	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	161213	5.00	ng	0.00
7) Acenaphthene-d10	10.81	164	83206	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	174075	5.00	ng	0.00
16) Chrysene-d12	18.34	240	106810	5.00	ng	0.00
22) Perylene-d12	21.40	264	84796	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	5682	0.57	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	11236	0.49	ng	0.00
18) Terphenyl-d14	16.10	244	9224	0.52	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.28	88	2637	0.48	ng	100
5) Naphthalene	8.69	128	16426	0.50	ng	99
6) 2-Methylnaphthalene	9.55	142	10577	0.53	ng	100
9) Acenaphthylene	10.64	152	65330	0.53	ng	100
10) Acenaphthene	10.85	154	9582	0.49	ng	98
11) Fluorene	11.52	166	10884	0.54	ng	99
13) Phenanthrene	12.96	178	79048	0.48	ng	98
14) Anthracene	13.05	178	62287	0.50	ng	99
15) Fluoranthene	15.21	202	14107	0.55	ng	100
17) Pyrene	15.66	202	14842	0.51	ng	100
19) Benzo(a)anthracene	18.32	228	44365	0.52	ng	99
20) Chrysene	18.39	228	43291	0.46	ng	99
21) Indeno(1,2,3-cd)pyrene	23.58	276	38297m	0.54	ng	
23) Benzo(b)fluoranthene	20.64	252	9369	0.65	ng	98
24) Benzo(k)fluoranthene	20.70	252	9856	0.46	ng	99
25) Benzo(a)pyrene	21.28	252	8428	0.61	ng	99
26) Dibenzo(a,h)anthracene	23.68	278	7556	0.58	ng	99
27) Benzo(g,h,i)perylene	24.20	276	33451	0.49	ng	99

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

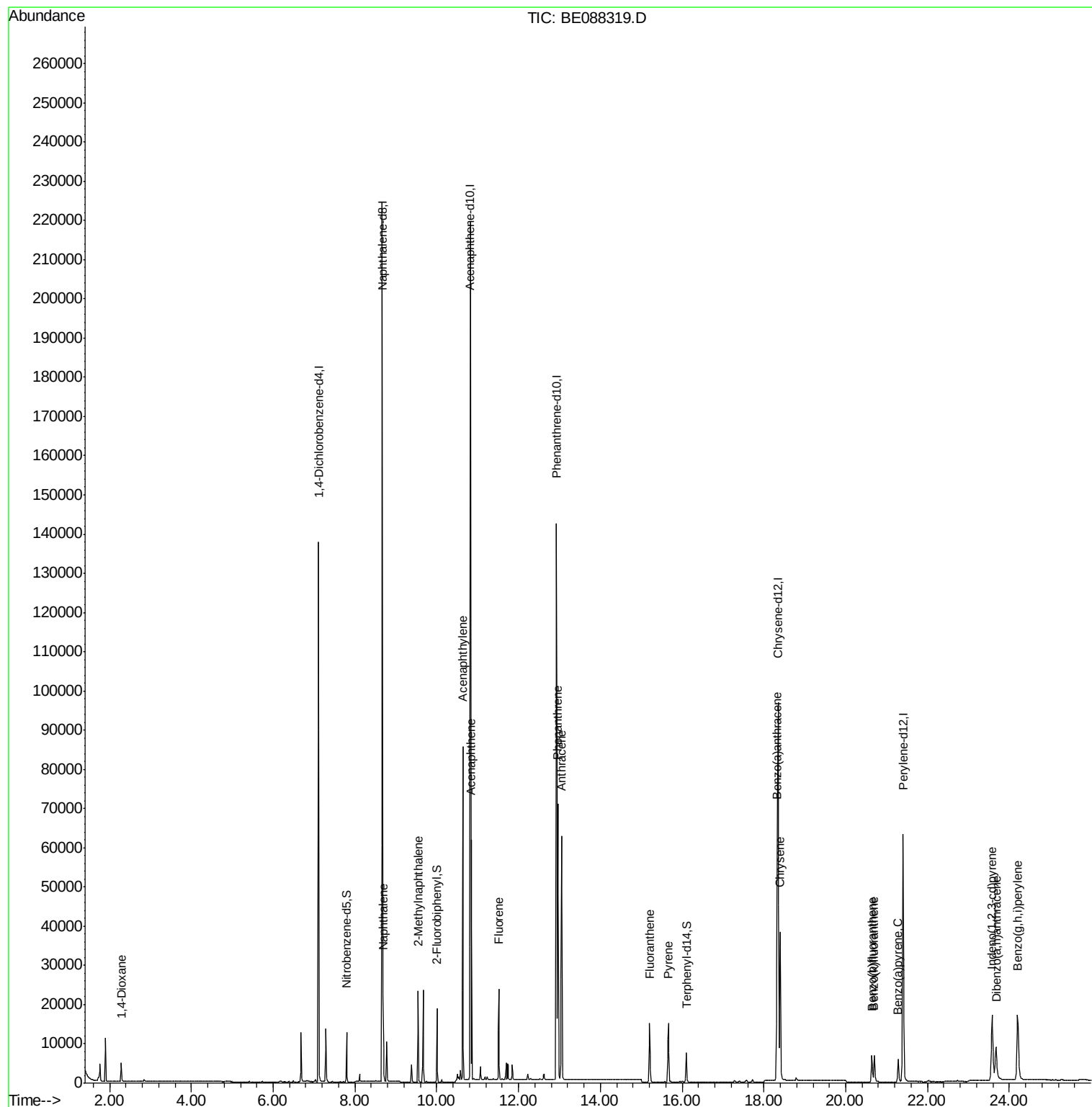
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
Data File : BE088319.D
Acq On : 27 Oct 2014 18:34
Operator : TP/JJ
Sample : SSTDIC0.5
Misc :
ALS Vial : 5 Sample Multiplier: 1

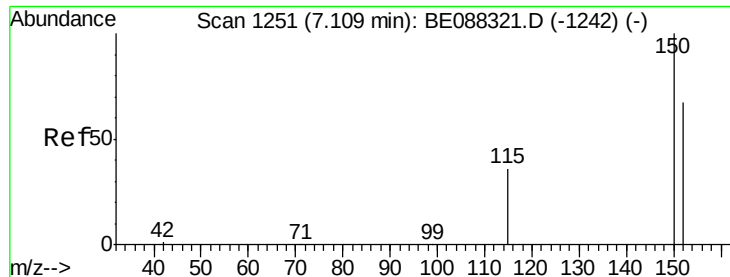
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: BE088319.D

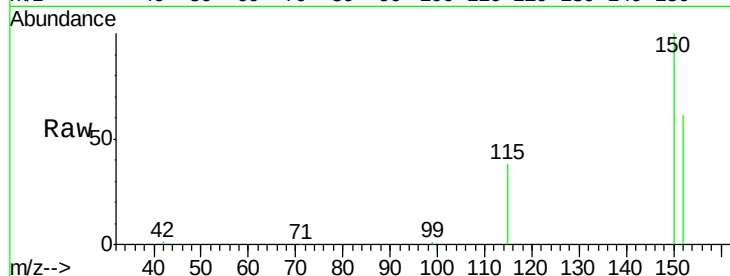
Acq: 27 Oct 2014 18:34

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5



Tgt Ion:152 Resp: 39150

Ion Ratio Lower Upper

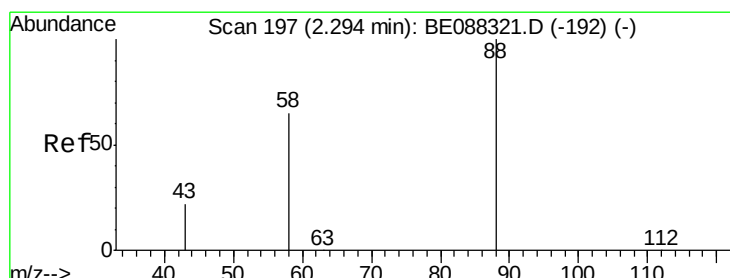
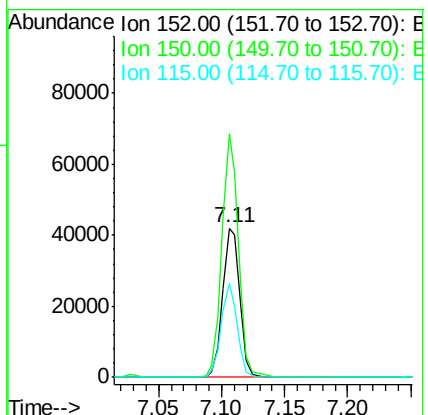
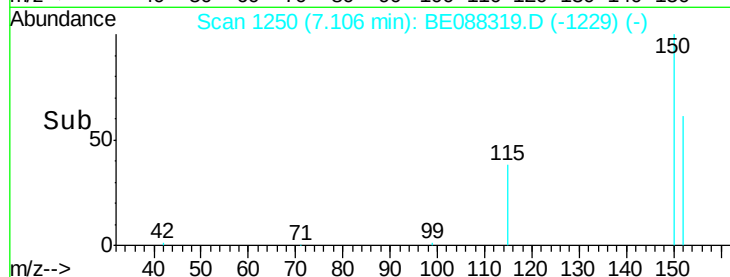
152 100

150 163.0 119.3 178.9

115 62.5 42.6 64.0

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#2

1,4-Dioxane

Concen: 0.48 ng

RT: 2.28 min Scan# 195

Delta R.T. -0.01 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

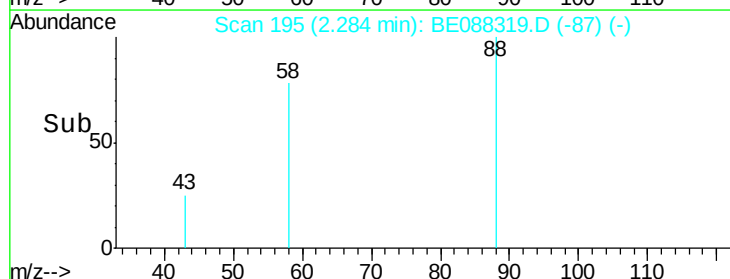
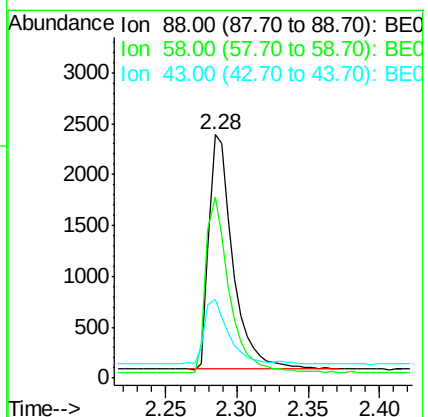
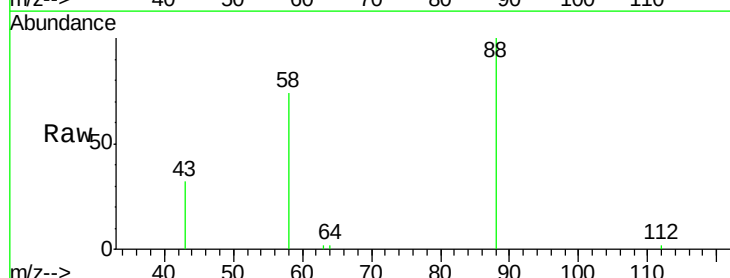
Tgt Ion: 88 Resp: 2637

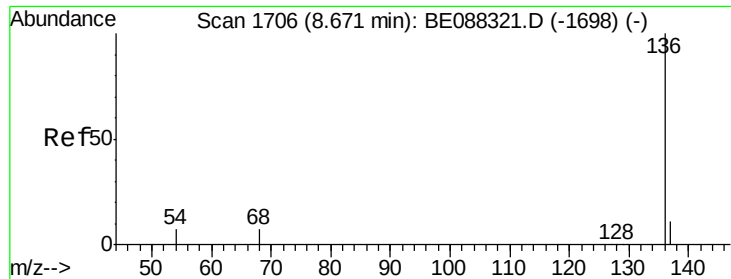
Ion Ratio Lower Upper

88 100

58 74.0 59.4 89.0

43 27.1 21.4 32.2





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.67 min Scan# 1705

Delta R.T. -0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Instrument :

BNA_E

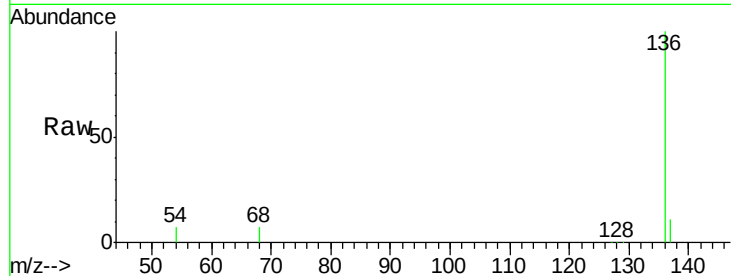
ClientSampleId :

SSTDIC0.5

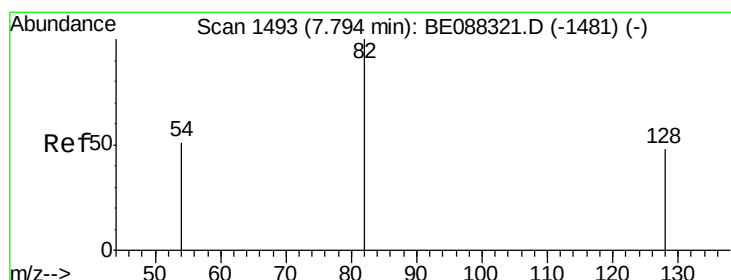
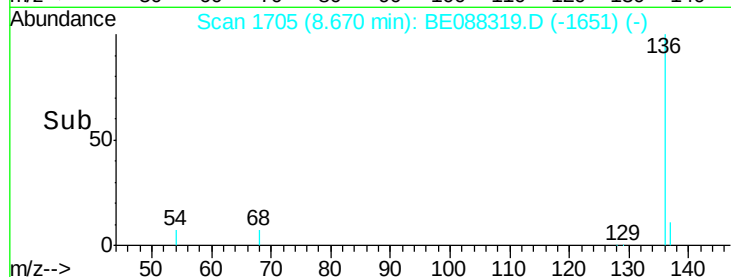
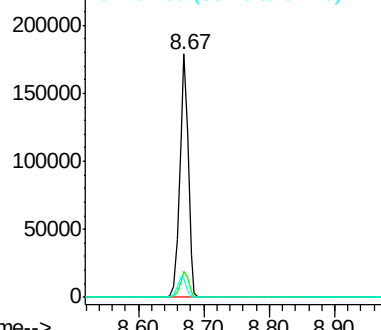
Tgt Ion:	136	Resp:	161213
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	7.5	5.5	8.3

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Abundance Ion 136.00 (135.70 to 136.70): BE088319.D (-1651) (-)



#4

Nitrobenzene-d5

Concen: 0.57 ng

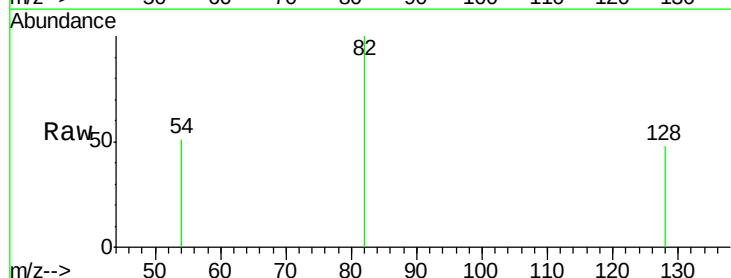
RT: 7.79 min Scan# 1493

Delta R.T. 0.00 min

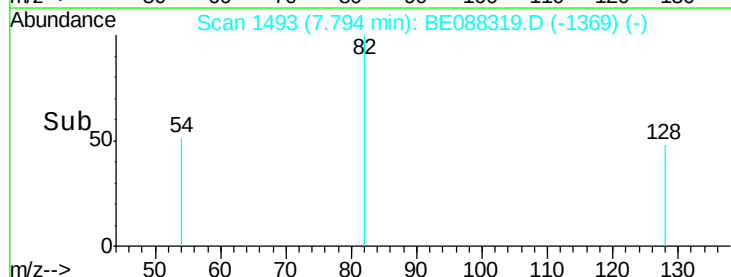
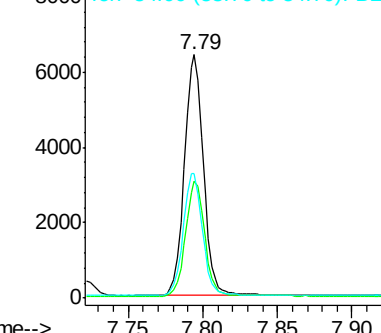
Lab File: BE088319.D

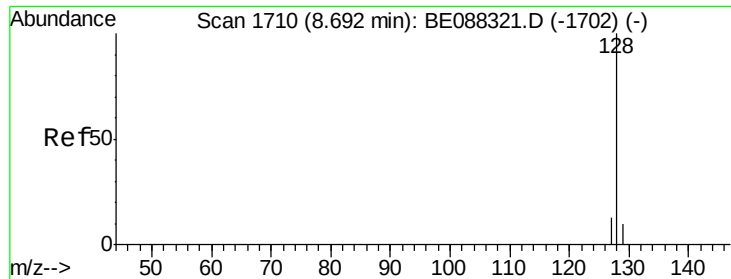
Acq: 27 Oct 2014 18:34

Tgt Ion:	82	Resp:	5682
Ion Ratio	Lower	Upper	
82	100		
128	48.3	38.7	58.1
54	51.3	41.0	61.4



Abundance Ion 82.00 (81.70 to 82.70): BE088319.D (-1369) (-)





#5

Naphthalene

Concen: 0.50 ng

RT: 8.69 min Scan# 1709

Delta R.T. -0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Instrument :

BNA_E

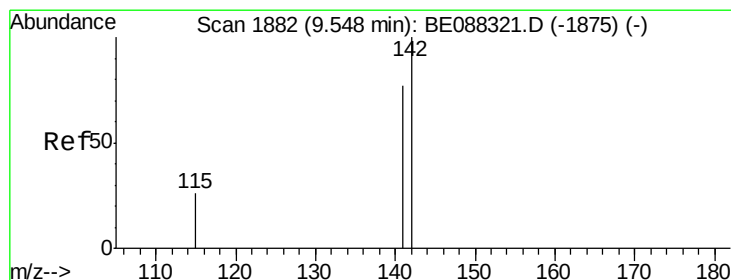
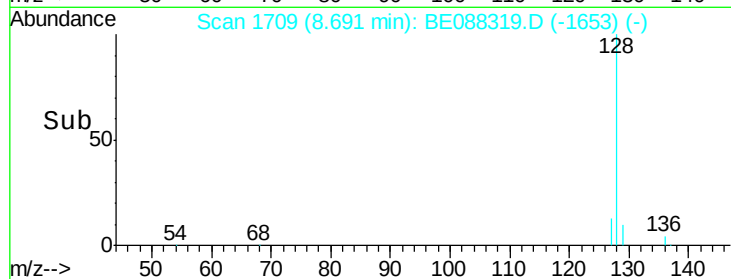
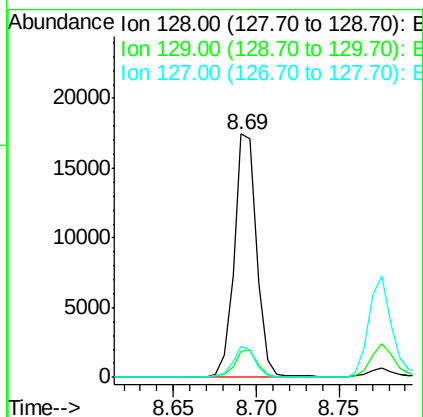
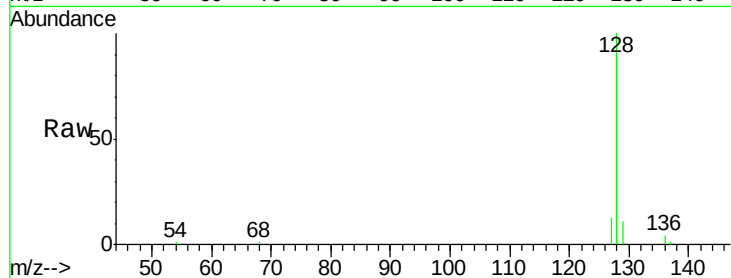
ClientSampleId :

SSTDICC0.5

Tgt Ion:	128	Resp:	16426
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.5	12.7
127	13.0	10.2	15.2

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#6

2-Methylnaphthalene

Concen: 0.53 ng

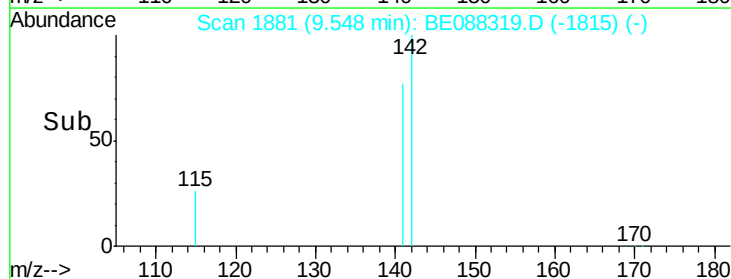
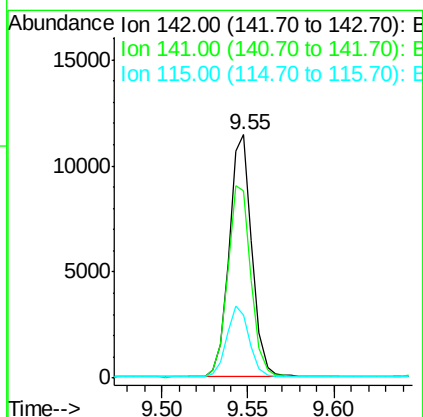
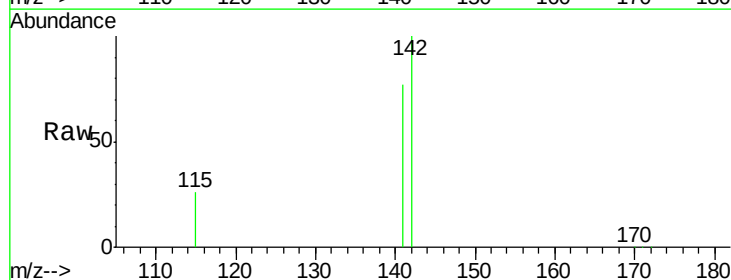
RT: 9.55 min Scan# 1881

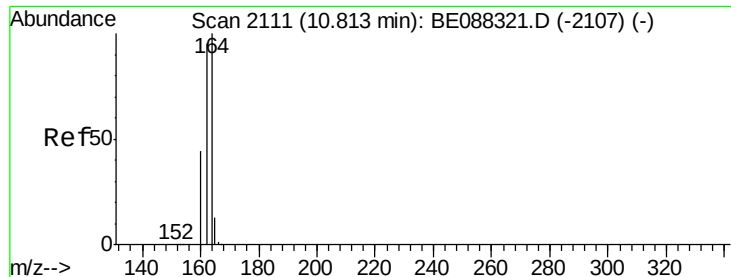
Delta R.T. 0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Tgt Ion:	142	Resp:	10577
Ion Ratio	Lower	Upper	
142	100		
141	76.7	61.4	92.0
115	26.1	21.0	31.6





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.81 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BE088319.D

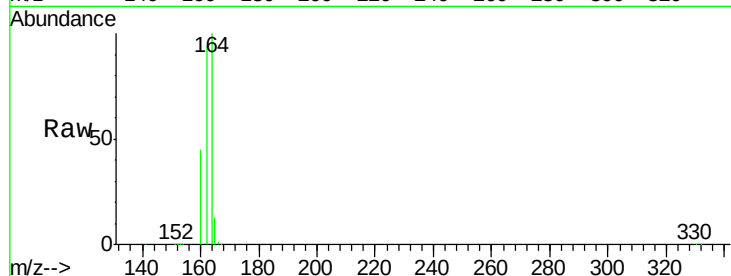
Acq: 27 Oct 2014 18:34

Instrument :

BNA_E

ClientSampleId :

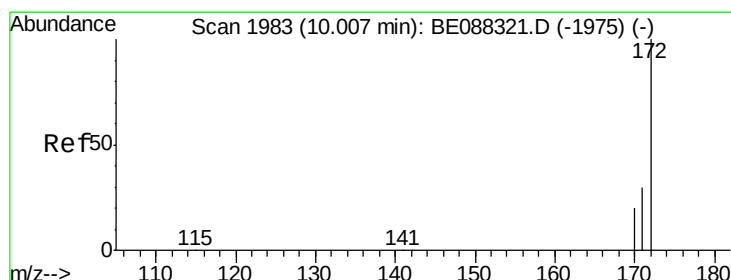
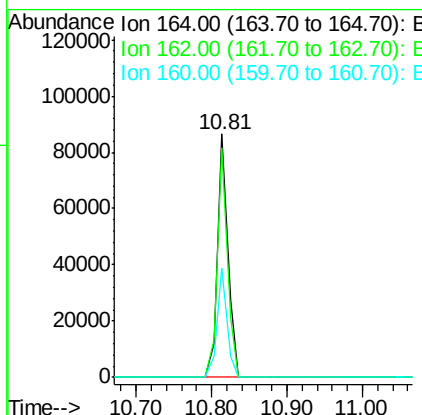
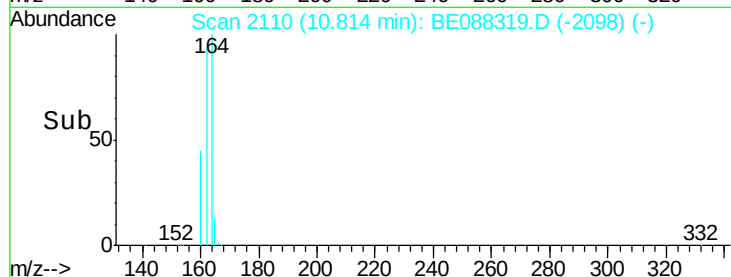
SSTDICC0.5



Tgt Ion:	164	Resp:	83206
Ion Ratio	Lower	Upper	
164	100		
162	94.5	75.7	113.5
160	44.7	35.6	53.4

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#8

2-Fluorobiphenyl

Concen: 0.49 ng

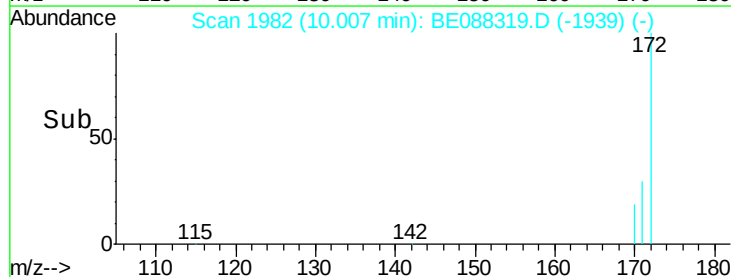
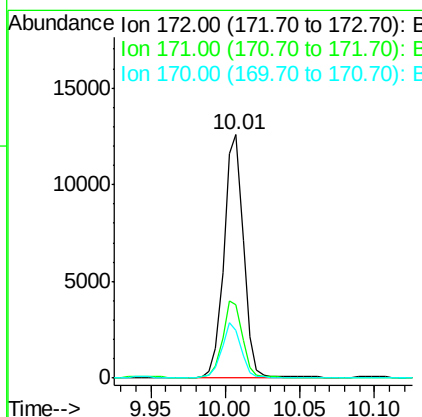
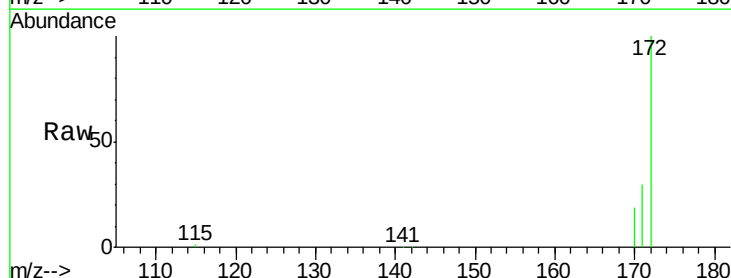
RT: 10.01 min Scan# 1982

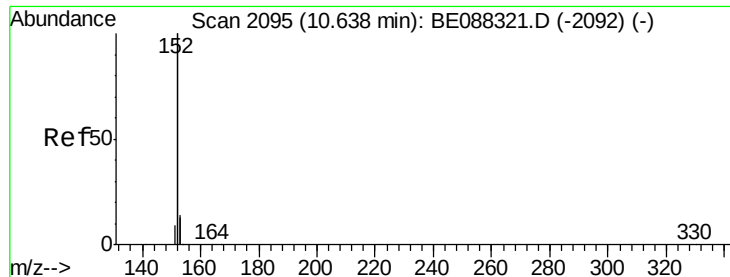
Delta R.T. 0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Tgt Ion:	172	Resp:	11236
Ion Ratio	Lower	Upper	
172	100		
171	30.3	24.5	36.7
170	19.5	15.8	23.6





#9

Acenaphthylene

Concen: 0.53 ng

RT: 10.64 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Instrument :

BNA_E

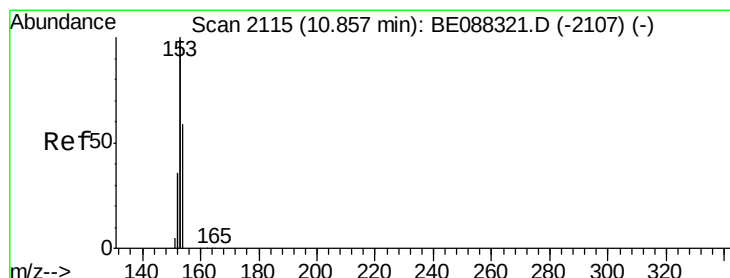
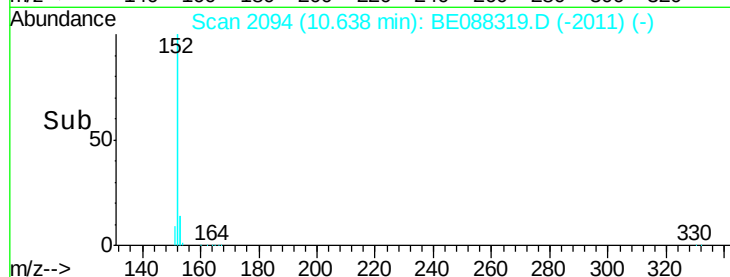
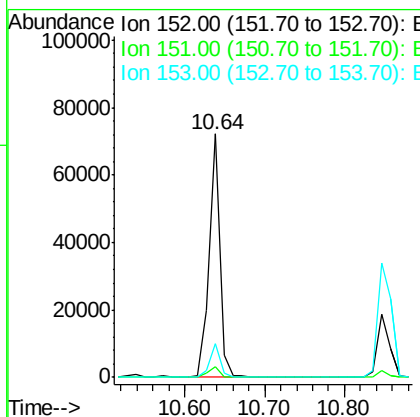
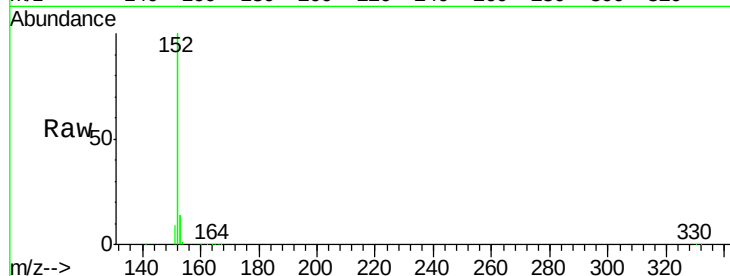
ClientSampleId :

SSTDICC0.5

Tgt Ion:	152	Resp:	65330
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.0	10.5	15.7

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#10

Acenaphthene

Concen: 0.49 ng

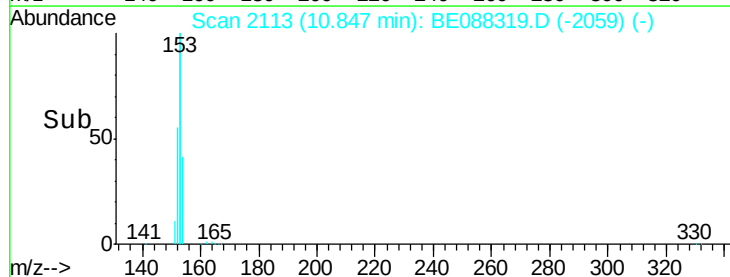
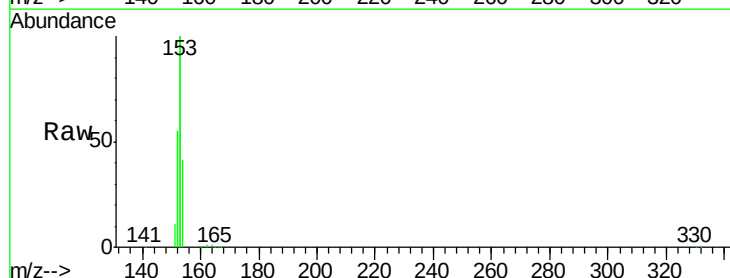
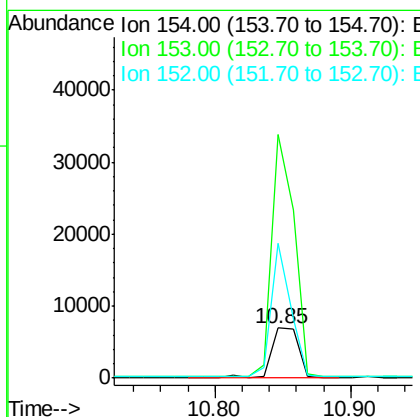
RT: 10.85 min Scan# 2113

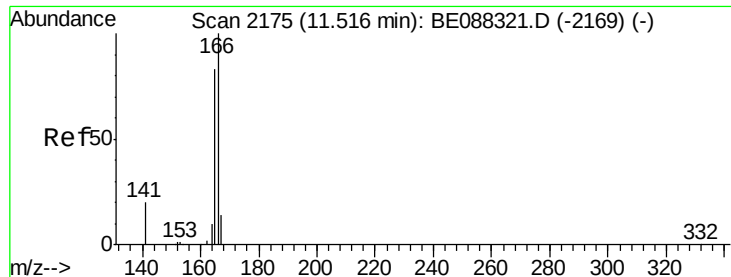
Delta R.T. -0.01 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Tgt Ion:	154	Resp:	9582
Ion Ratio	Lower	Upper	
154	100		
153	409.9	323.8	485.6
152	194.5	154.8	232.2





#11

Fluorene

Concen: 0.54 ng

RT: 11.52 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Instrument :

BNA_E

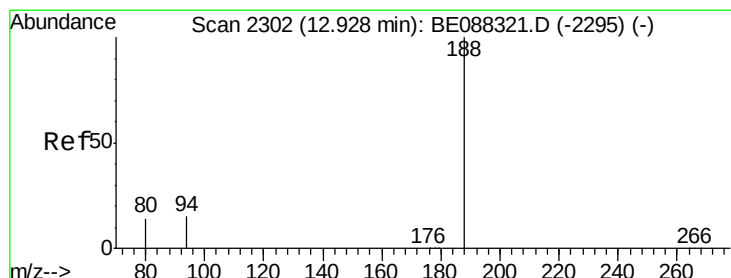
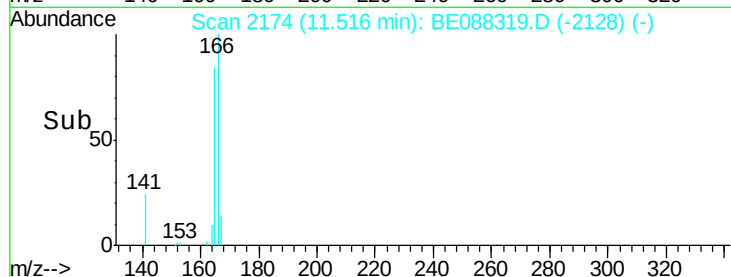
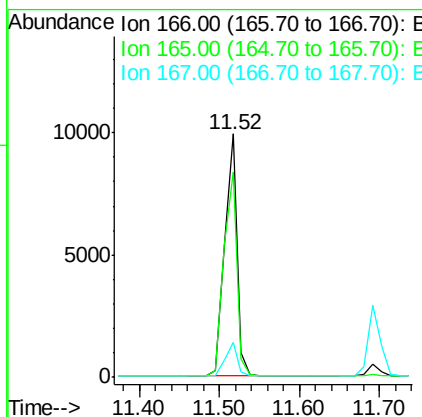
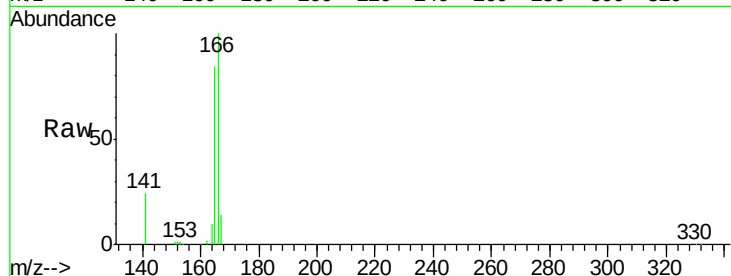
ClientSampleId :

SSTDICC0.5

Tgt Ion:	166	Resp:	10884
Ion Ratio	Lower	Upper	
166	100		
165	88.9	70.6	105.8
167	13.7	10.7	16.1

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#12

Phenanthrene-d10

Concen: 5.00 ng

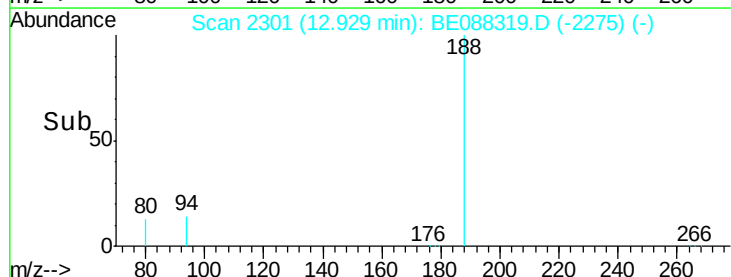
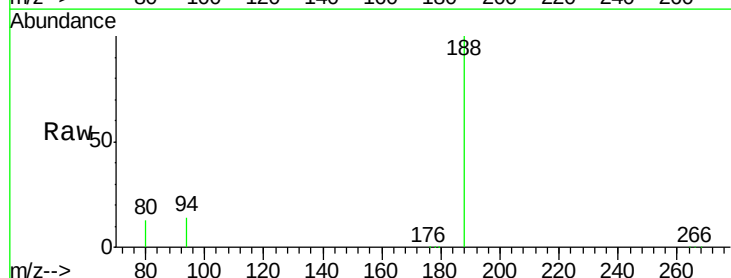
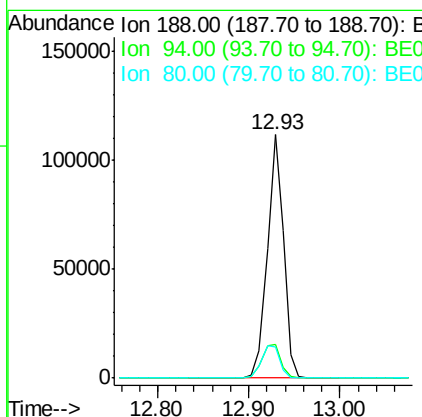
RT: 12.93 min Scan# 2301

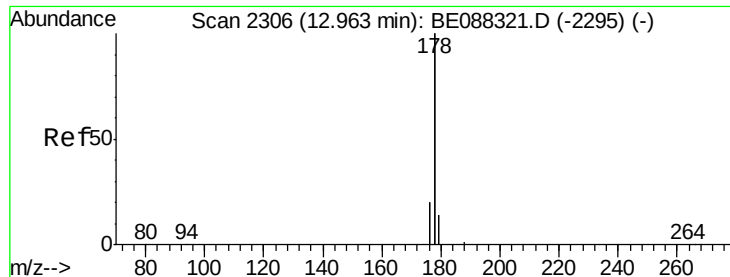
Delta R.T. 0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Tgt Ion:	188	Resp:	174075
Ion Ratio	Lower	Upper	
188	100		
94	14.1	12.0	18.0
80	12.8	11.3	16.9





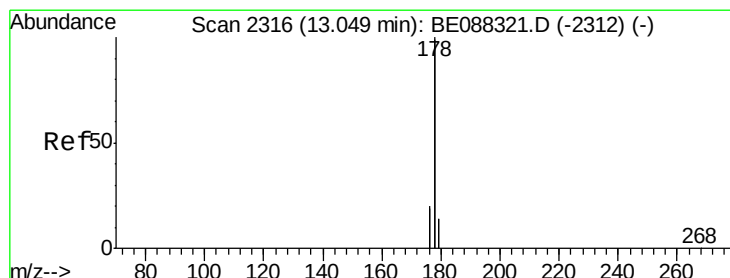
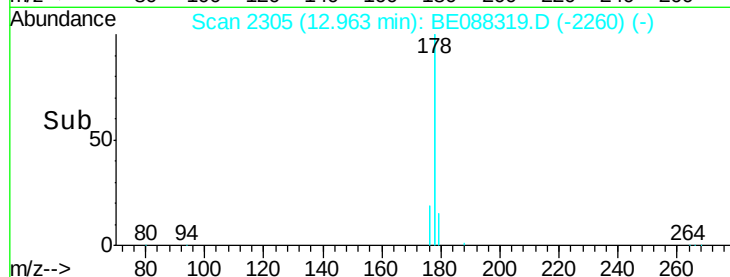
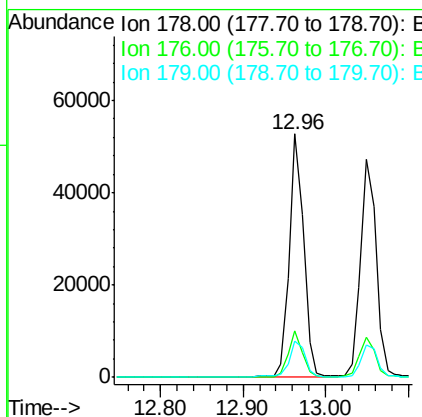
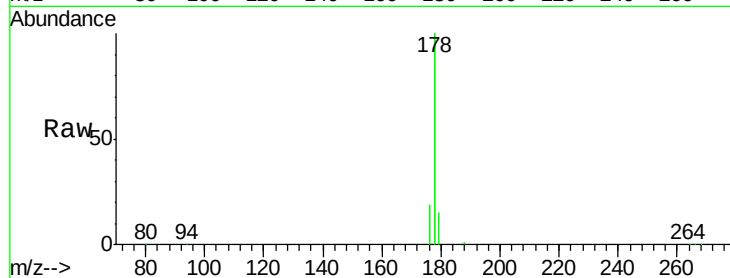
#13
Phenanthrene
Concen: 0.48 ng
RT: 12.96 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BE088319.D
Acq: 27 Oct 2014 18:34

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.6
179	17.9	13.2	19.8

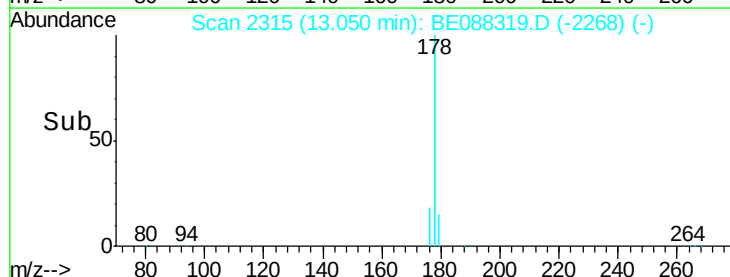
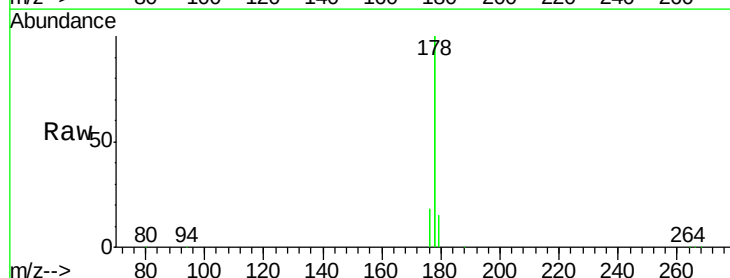
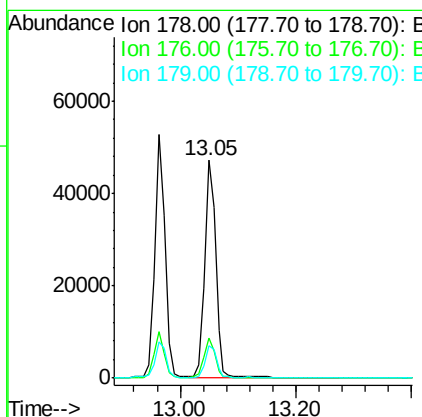
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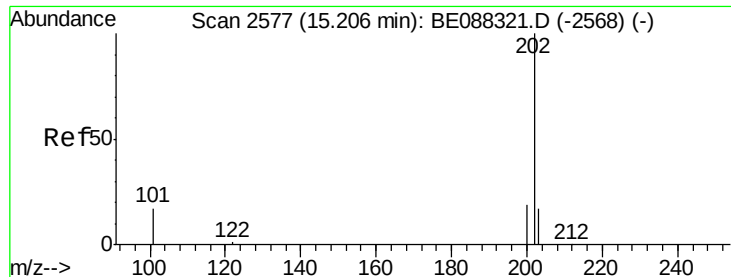
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#14
Anthracene
Concen: 0.50 ng
RT: 13.05 min Scan# 2315
Delta R.T. 0.00 min
Lab File: BE088319.D
Acq: 27 Oct 2014 18:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.0	12.6	18.8





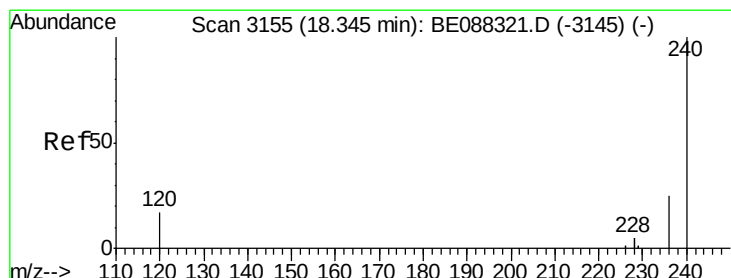
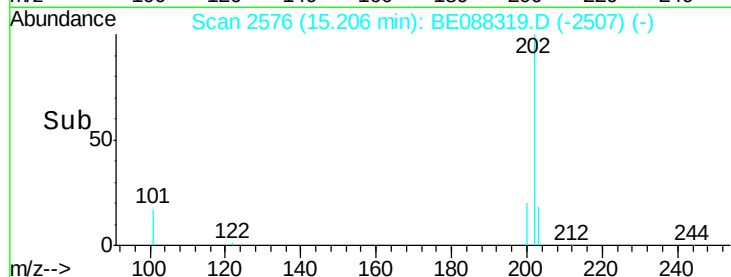
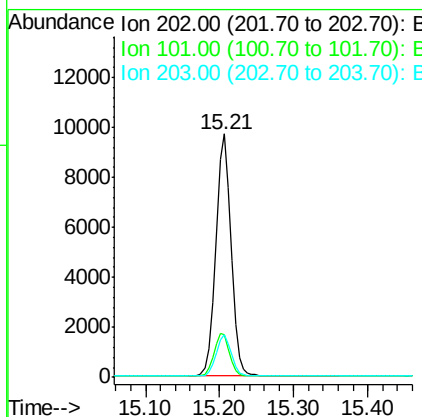
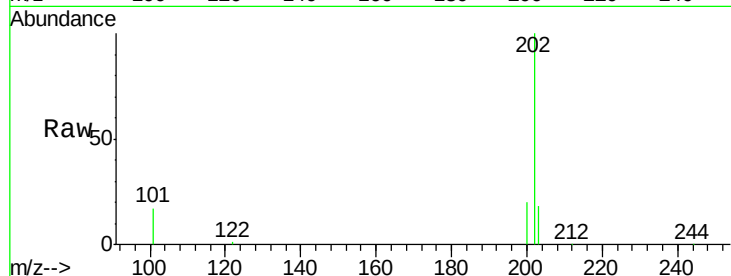
#15
 Fluoranthene
 Concen: 0.55 ng
 RT: 15.21 min Scan# 2576
 Delta R.T. 0.00 min
 Lab File: BE088319.D
 Acq: 27 Oct 2014 18:34

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.0	14.6	21.8
203	17.1	13.8	20.6

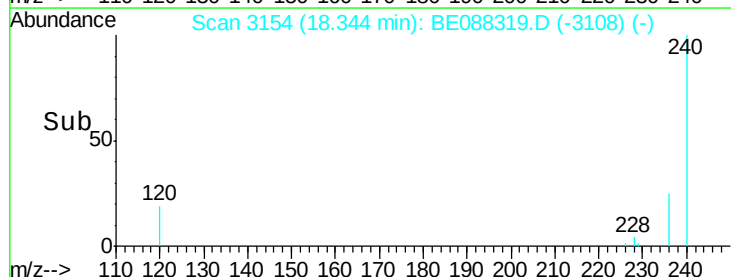
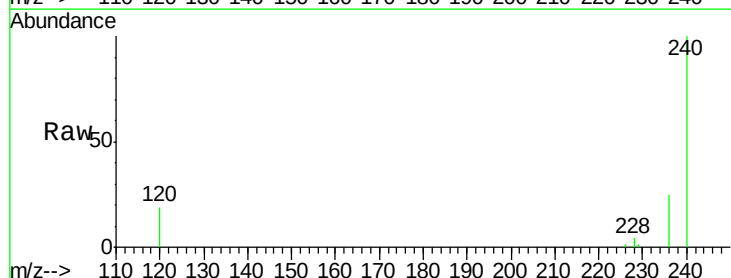
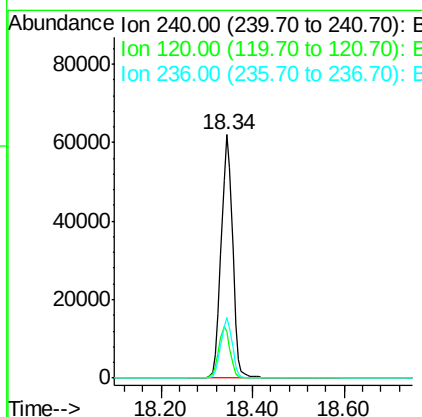
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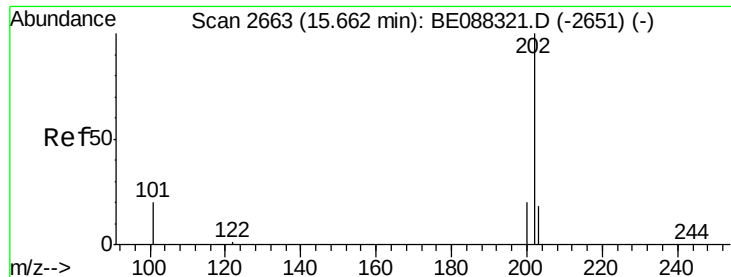
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.34 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE088319.D
 Acq: 27 Oct 2014 18:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	19.3	13.4	20.0
236	25.1	20.0	30.0





#17

Pyrene

Concen: 0.51 ng

RT: 15.66 min Scan# 2662

Delta R.T. 0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Instrument :

BNA_E

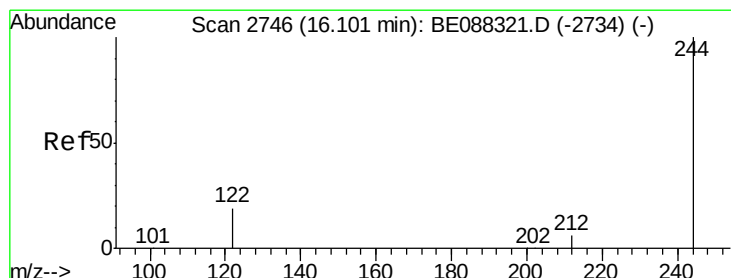
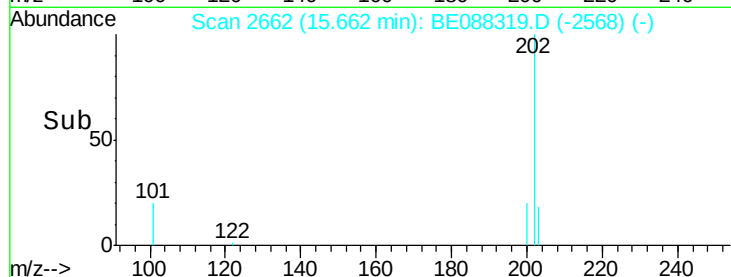
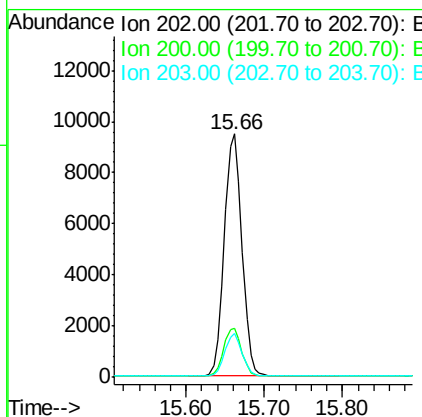
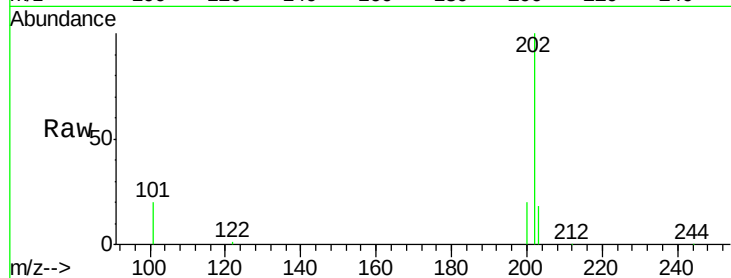
ClientSampleId :

SSTDICC0.5

Tgt Ion:	202	Resp:	14842
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.1	24.1
203	17.2	13.9	20.9

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#18

Terphenyl-d14

Concen: 0.52 ng

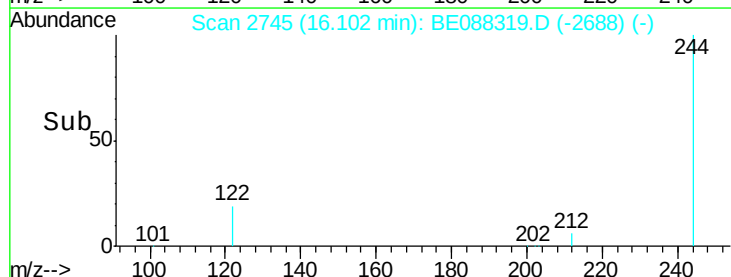
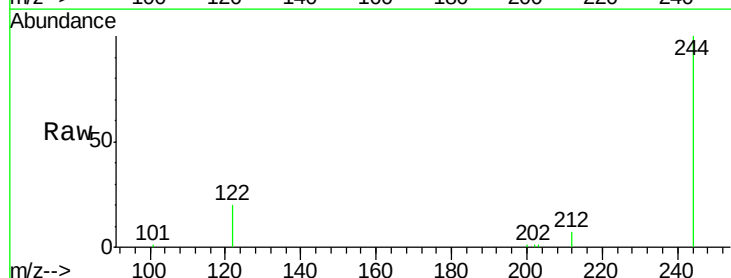
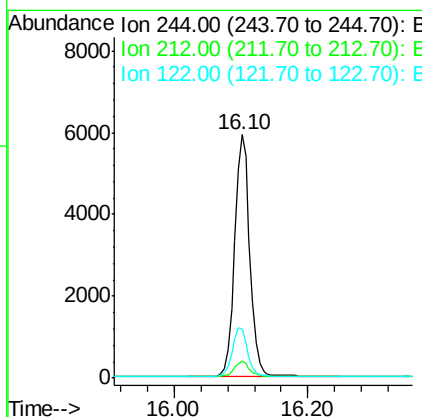
RT: 16.10 min Scan# 2745

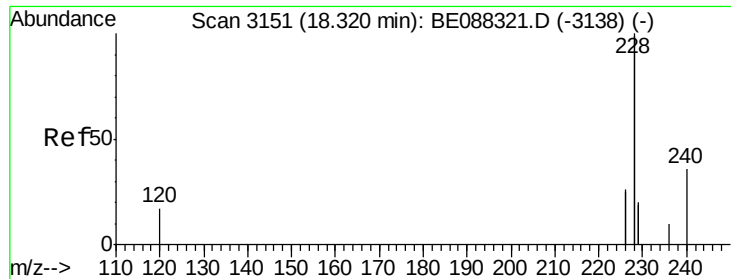
Delta R.T. 0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Tgt Ion:	244	Resp:	9224
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.1	7.7
122	20.2	15.8	23.8





#19

Benzo(a)anthracene

Concen: 0.52 ng

RT: 18.32 min Scan# 3150

Delta R.T. -0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Instrument :

BNA_E

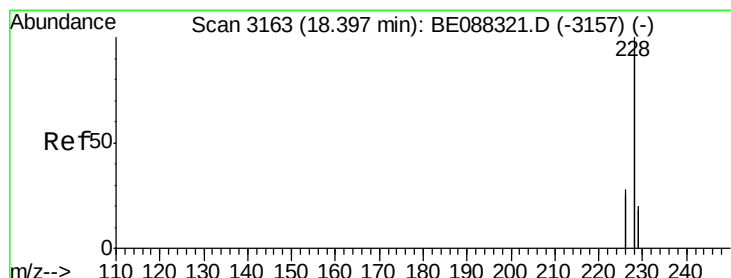
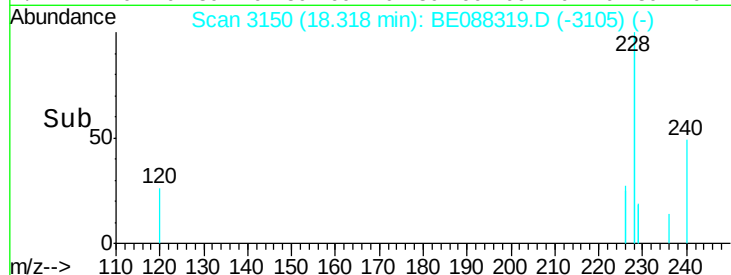
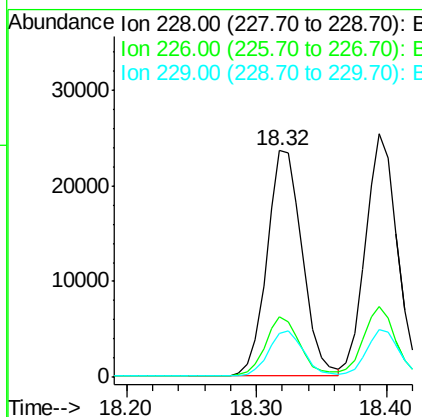
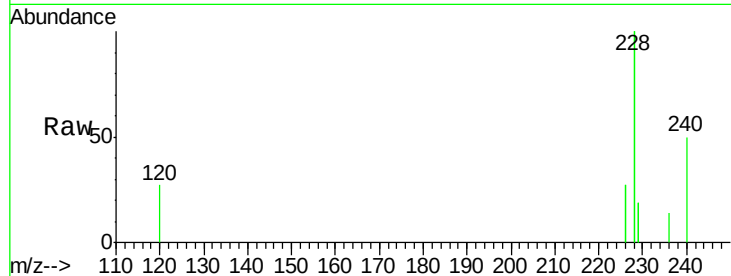
ClientSampleId :

SSTDIC0.5

Tgt Ion:	228	Resp:	44365
Ion Ratio	Lower	Upper	
228	100		
226	26.9	20.7	31.1
229	19.3	15.7	23.5

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#20

Chrysene

Concen: 0.46 ng

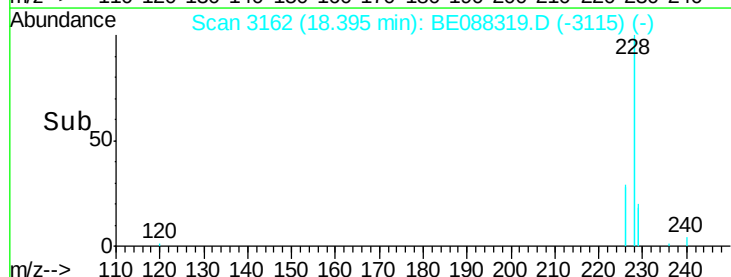
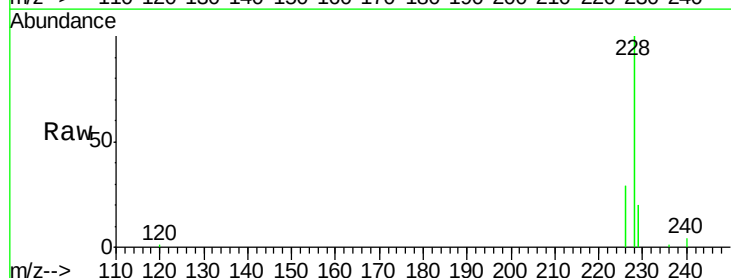
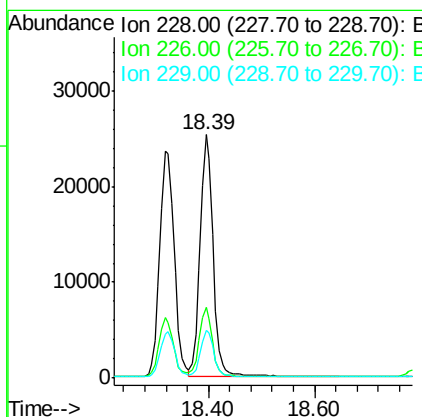
RT: 18.39 min Scan# 3162

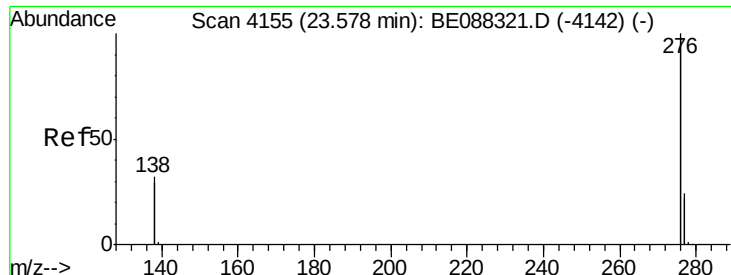
Delta R.T. -0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Tgt Ion:	228	Resp:	43291
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.7	34.1
229	19.7	15.6	23.4





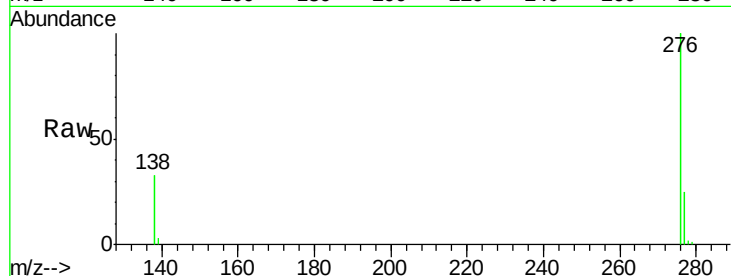
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.54 ng m
RT: 23.58 min Scan# 4154
Delta R.T. 0.00 min
Lab File: BE088319.D
Acq: 27 Oct 2014 18:34

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	24.6	37.0#
277	18.5	19.0	28.6#

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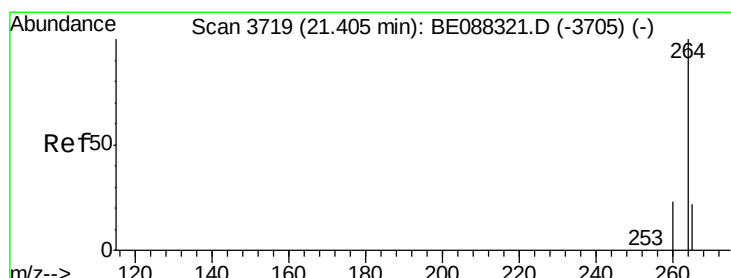
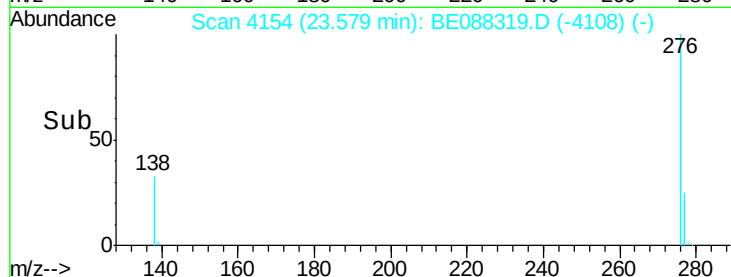
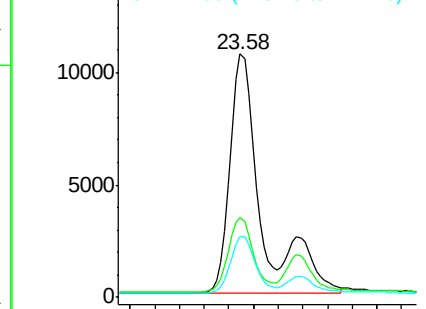


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3717
Delta R.T. -0.00 min
Lab File: BE088319.D
Acq: 27 Oct 2014 18:34

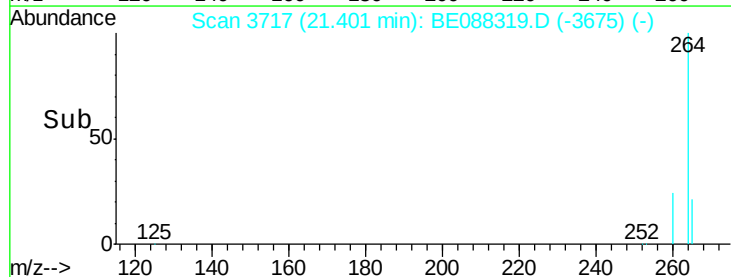
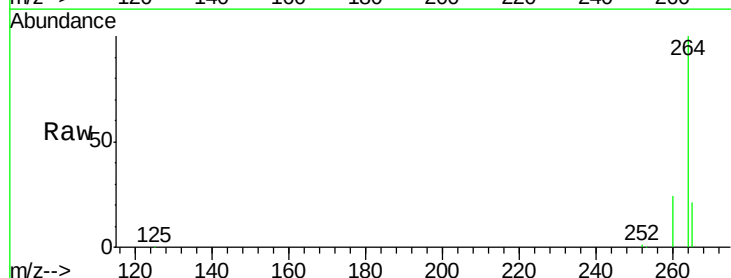
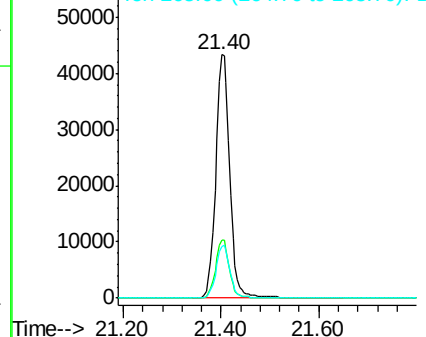
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.3	17.4	26.0

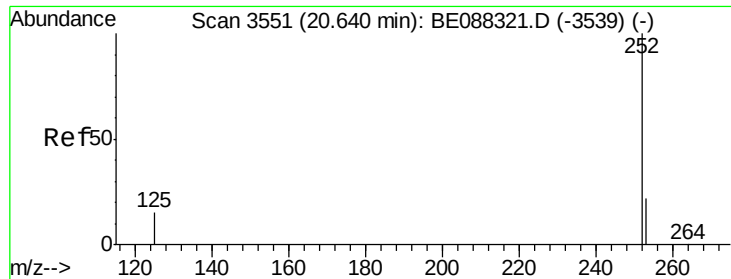
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.65 ng

RT: 20.64 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BE088319.D

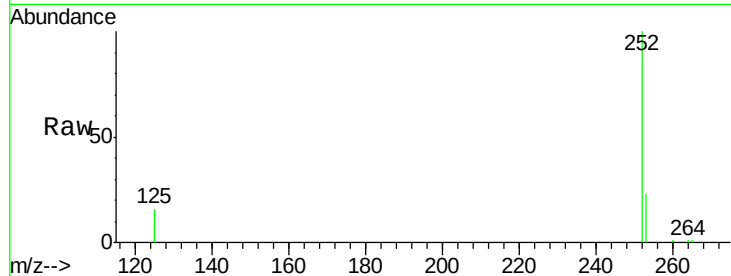
Acq: 27 Oct 2014 18:34

Instrument :

BNA_E

ClientSampleId :

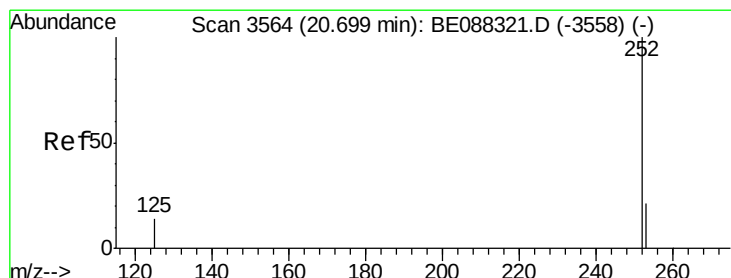
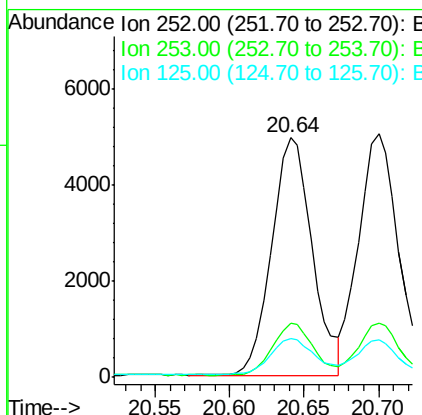
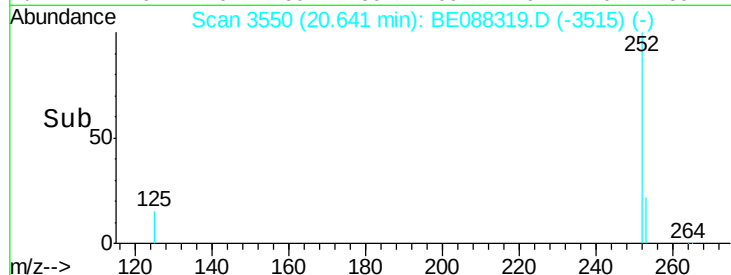
SSTDIC0.5



Tgt Ion:	252	Resp:	9369
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.7	26.5
125	16.3	12.2	18.2

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#24

Benzo(k)fluoranthene

Concen: 0.46 ng

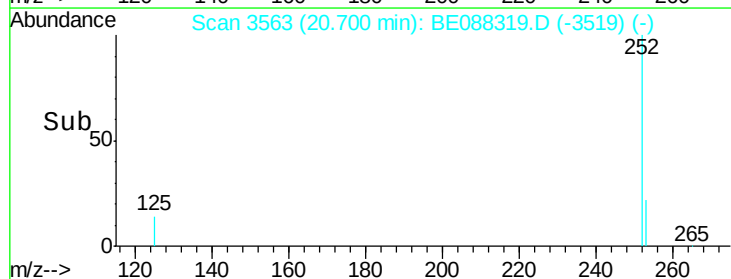
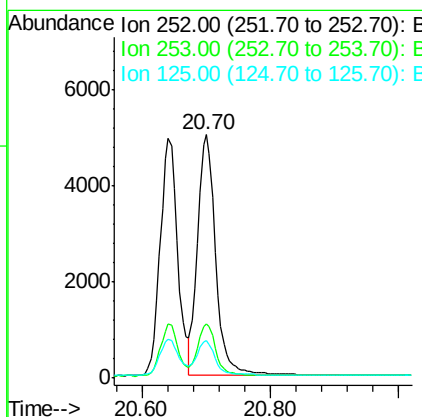
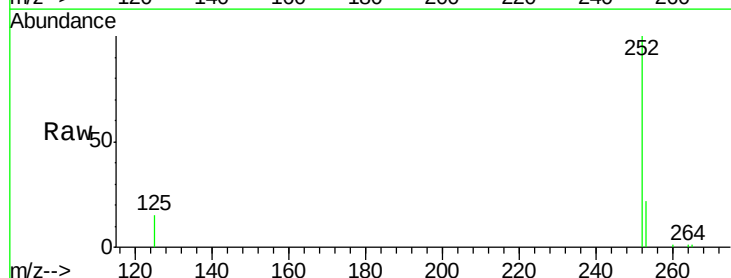
RT: 20.70 min Scan# 3563

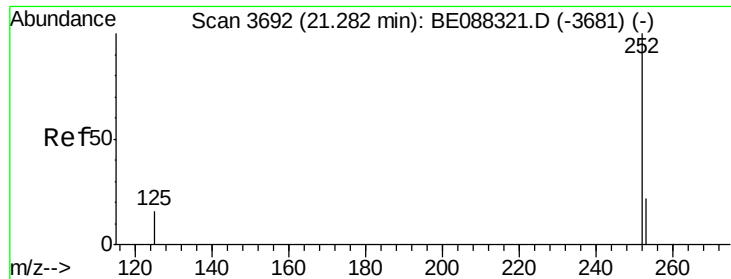
Delta R.T. 0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Tgt Ion:	252	Resp:	9856
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	15.2	11.9	17.9





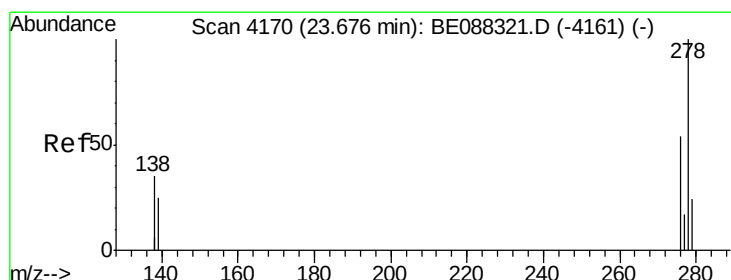
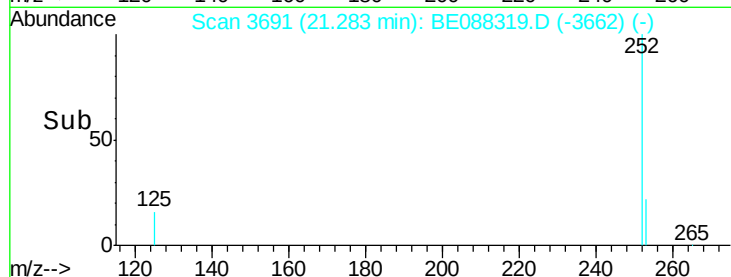
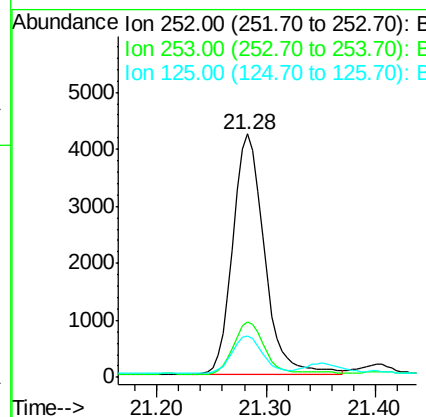
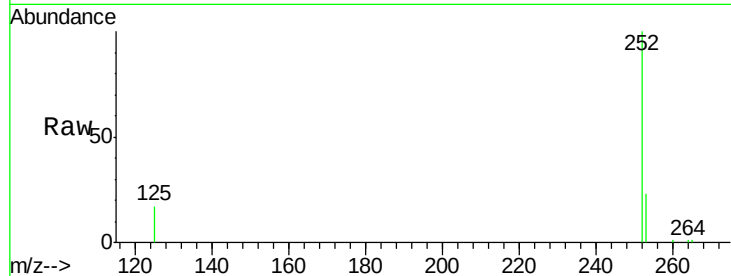
#25
Benzo(a)pyrene
Concen: 0.61 ng
RT: 21.28 min Scan# 3691
Delta R.T. 0.00 min
Lab File: BE088319.D
Acq: 27 Oct 2014 18:34

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	17.1	13.2	19.8

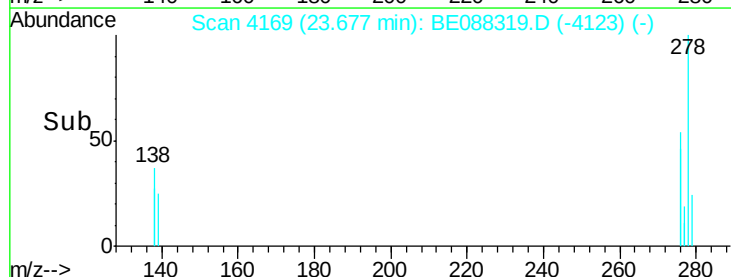
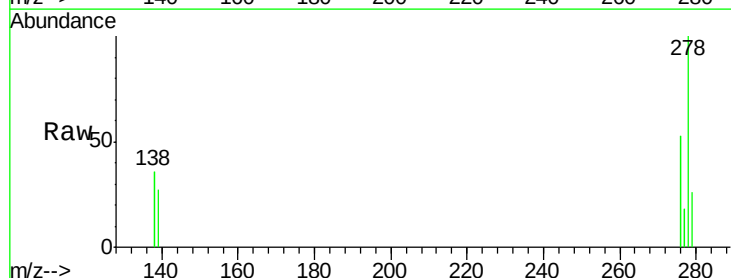
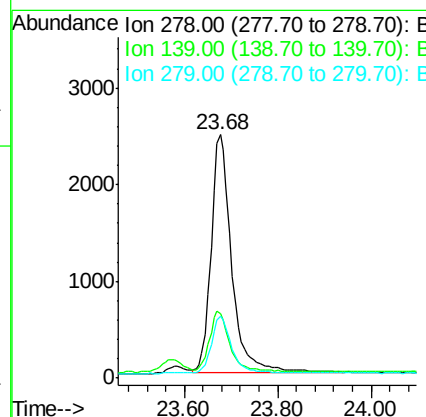
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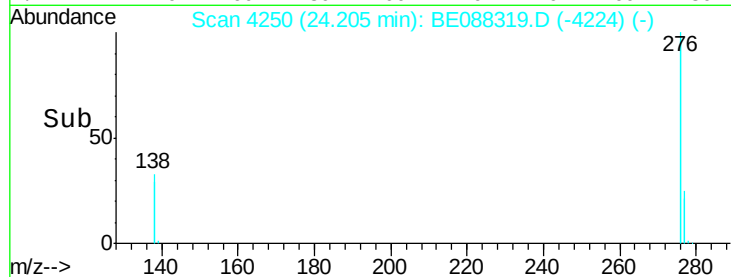
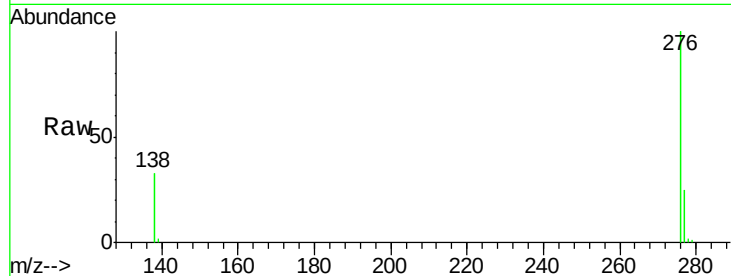
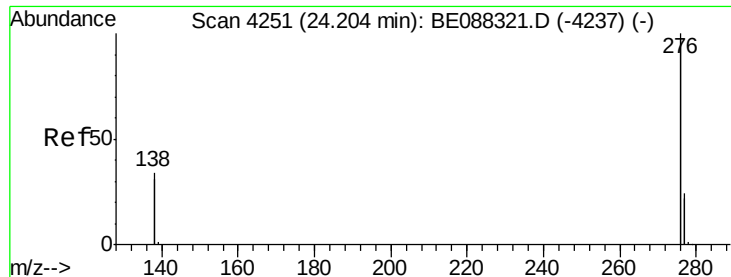
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#26
Dibenzo(a,h)anthracene
Concen: 0.58 ng
RT: 23.68 min Scan# 4169
Delta R.T. 0.00 min
Lab File: BE088319.D
Acq: 27 Oct 2014 18:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.6	21.0	31.4
279	25.5	19.8	29.8





#27

Benzo(g,h,i)perylene

Concen: 0.49 ng

RT: 24.20 min Scan# 4250

Delta R.T. 0.00 min

Lab File: BE088319.D

Acq: 27 Oct 2014 18:34

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

Tgt Ion:	276	Resp:	33451
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.1	28.7
138	33.5	27.0	40.4

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