

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088211.D
 Acq On : 24 Oct 2014 14:18
 Operator : TP/JJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Manual Integrations
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 10/28/2014 12:22:13 PM

Quant Time: Oct 27 12:50:54 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 27 12:38:23 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	53910	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	208484	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	96529	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	176868	5.00	ng	0.00
16) Chrysene-d12	18.34	240	100858	5.00	ng	0.00
22) Perylene-d12	21.40	264	87371	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	8960	0.70	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	19879	0.74	ng	0.00
18) Terphenyl-d14	16.11	244	12405	0.75	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.40	88	5524	0.73	ng	99
5) Naphthalene	8.70	128	31323	0.74	ng	100
6) 2-Methylnaphthalene	9.55	142	19349	0.76	ng	100
9) Acenaphthylene	10.64	152	106893	0.74	ng	100
10) Acenaphthene	10.86	154	16904	0.74	ng	99
11) Fluorene	11.52	166	17865	0.77	ng	100
13) Phenanthrene	12.97	178	125584	0.86	ng	95
14) Anthracene	13.06	178	94740	0.75	ng	100
15) Fluoranthene	15.21	202	19360	0.75	ng	99
17) Pyrene	15.66	202	21072	0.76	ng	100
19) Benzo(a)anthracene	18.32	228	55551	0.70	ng	99
20) Chrysene	18.40	228	65495	0.73	ng	98
21) Indeno(1,2,3-cd)pyrene	23.58	276	44462m	0.56	ng	
23) Benzo(b)fluoranthene	20.64	252	10259	0.72	ng	98
24) Benzo(k)fluoranthene	20.70	252	16927	0.75	ng	99
25) Benzo(a)pyrene	21.28	252	10067	0.71	ng	99
26) Dibenzo(a,h)anthracene	23.67	278	9172	0.69	ng	99
27) Benzo(g,h,i)perylene	24.20	276	48991	0.70	ng	99

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

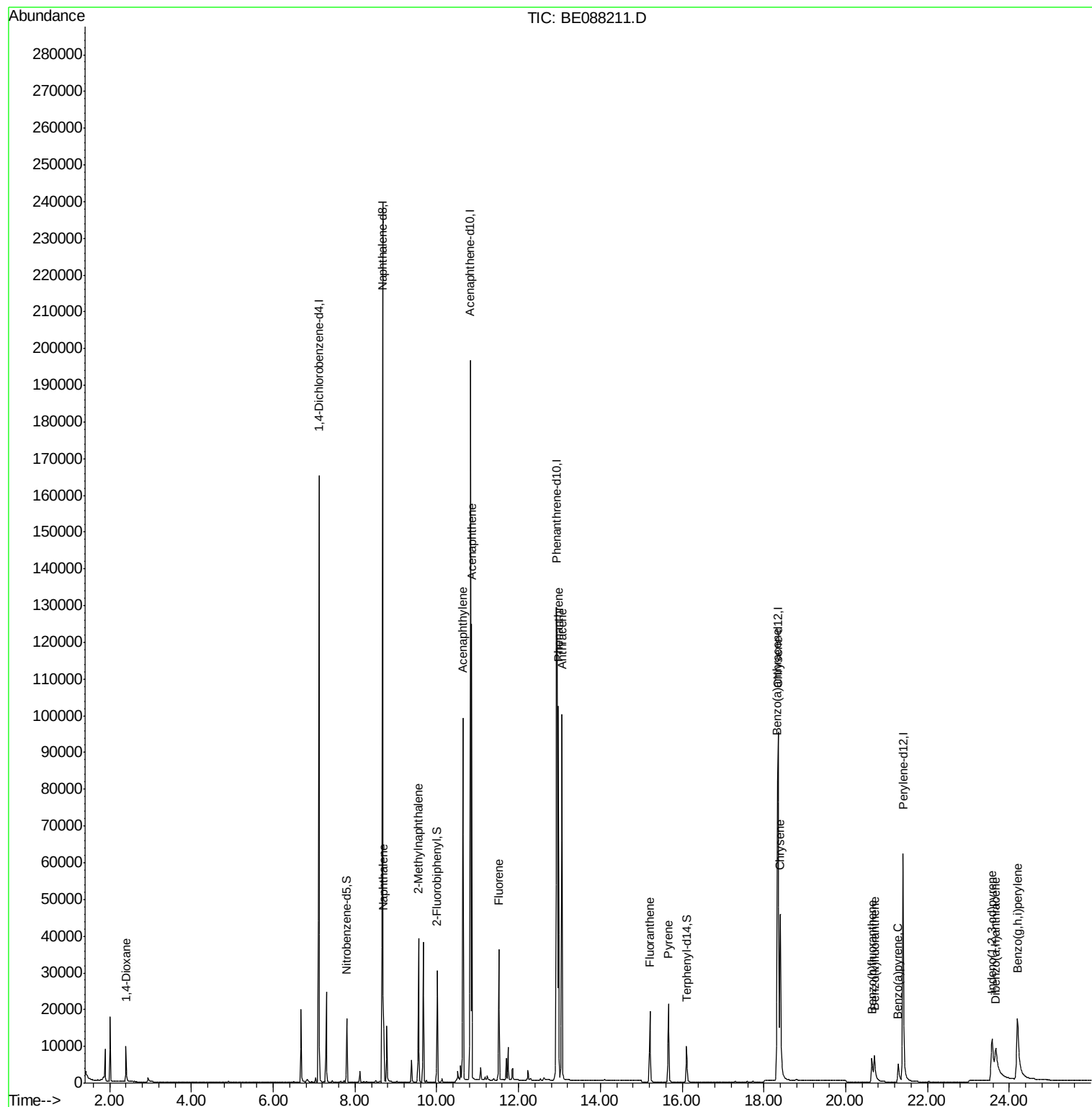
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088211.D
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ALS Vial : 6 Sample Multiplier: 1

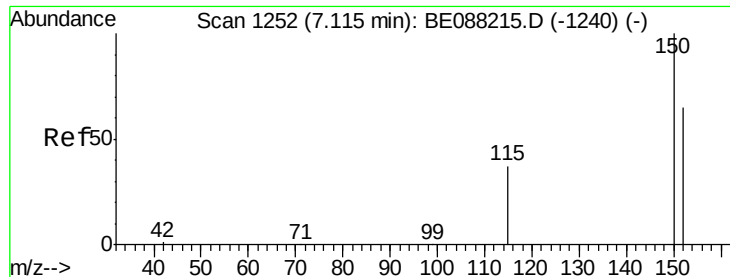
Instrument :
BNA_E
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
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QLast Update : Mon Oct 27 12:38:23 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1253

Delta R.T. -0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Instrument :

BNA_E

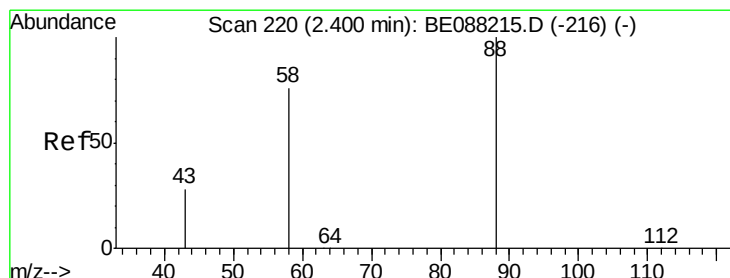
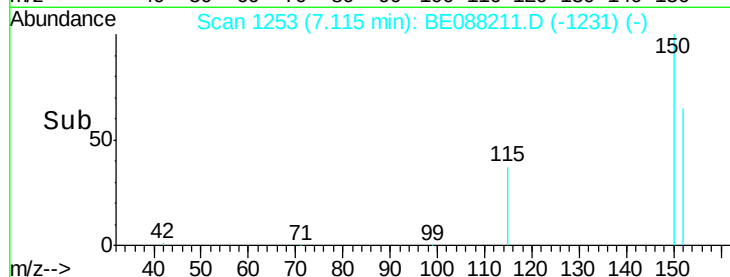
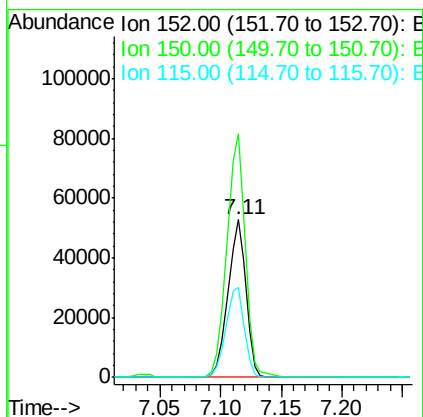
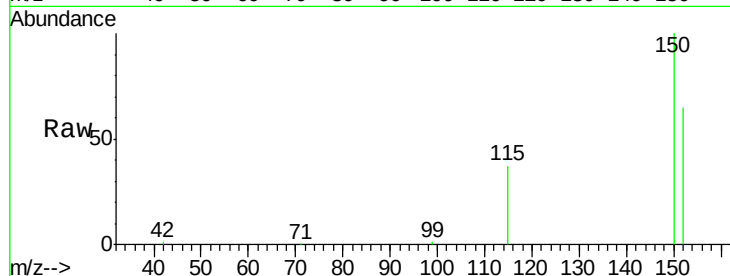
ClientSampled :

SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.2	184.8
115	57.1	45.3	67.9

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#2

1,4-Dioxane

Concen: 0.73 ng

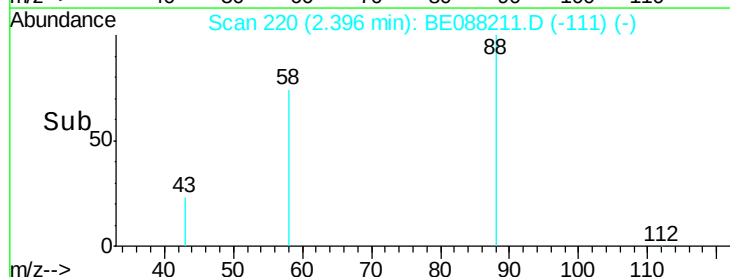
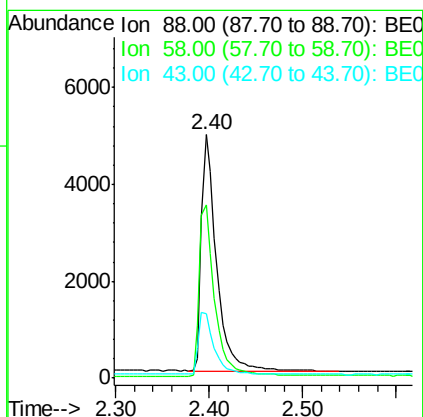
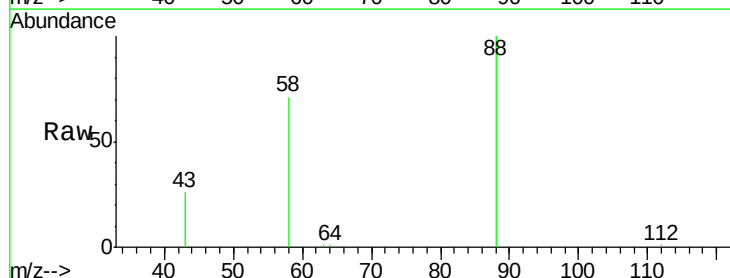
RT: 2.40 min Scan# 220

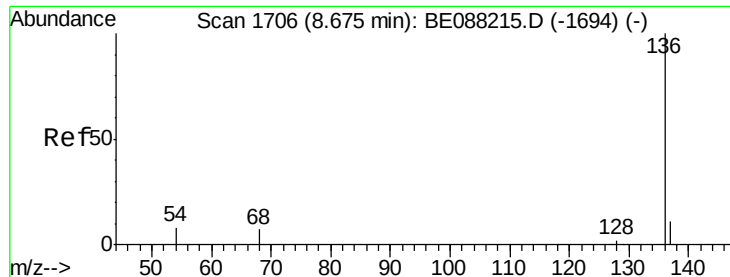
Delta R.T. -0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Tgt Ion	Ratio	Lower	Upper
88	100		
58	74.5	59.0	88.4
43	27.1	21.9	32.9





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.68 min Scan# 1708

Delta R.T. 0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Instrument :

BNA_E

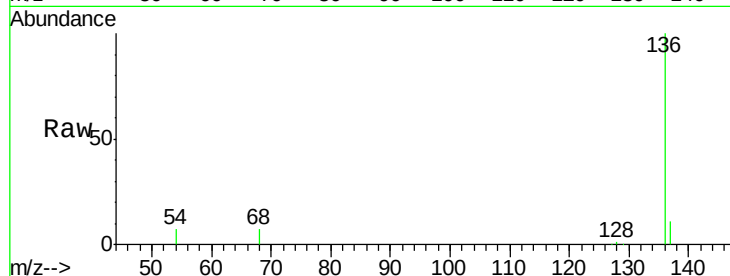
ClientSampleId :

SSTDIC0.8

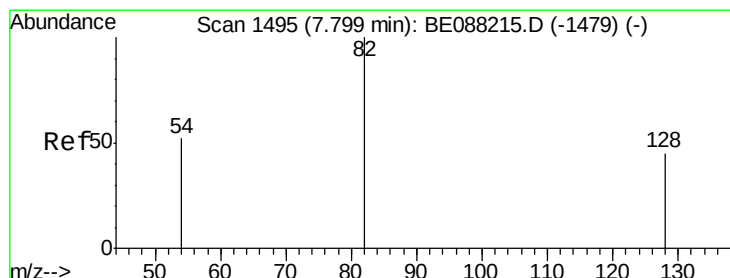
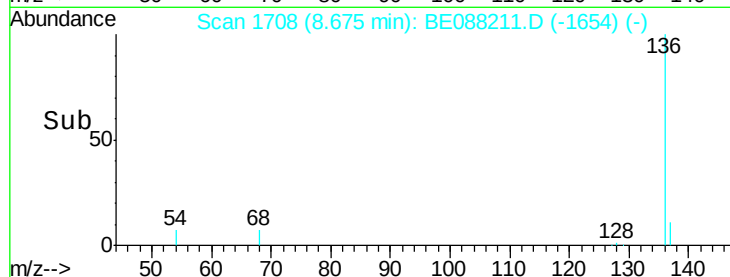
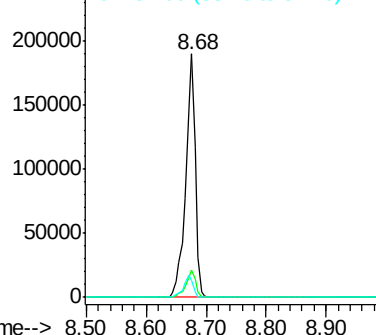
Tgt Ion:	136	Resp:	208484
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	7.0	6.1	9.1

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0



#4

Nitrobenzene-d5

Concen: 0.70 ng

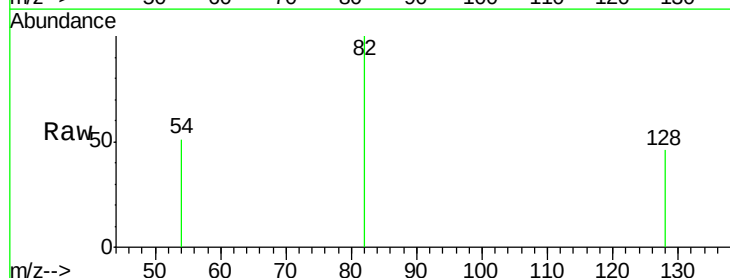
RT: 7.80 min Scan# 1497

Delta R.T. 0.00 min

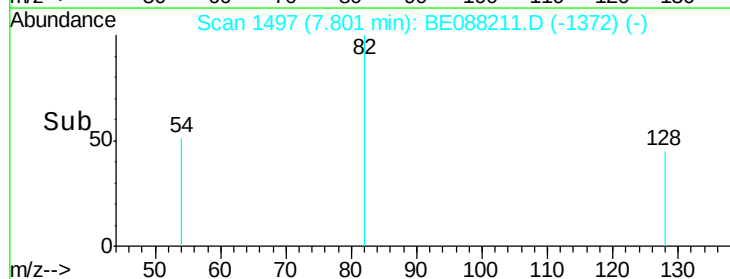
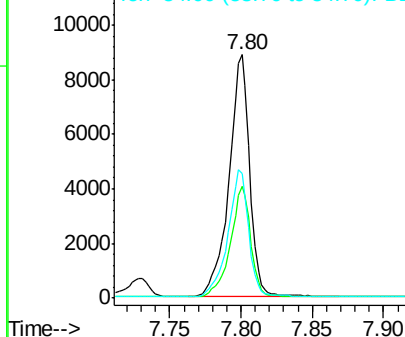
Lab File: BE088211.D

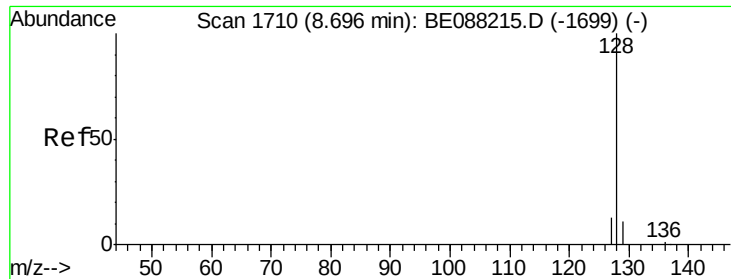
Acq: 24 Oct 2014 14:18

Tgt Ion:	82	Resp:	8960
Ion Ratio	Lower	Upper	
82	100		
128	45.7	36.2	54.2
54	51.3	41.8	62.8



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#5

Naphthalene

Concen: 0.74 ng

RT: 8.70 min Scan# 1712

Delta R.T. 0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Instrument :

BNA_E

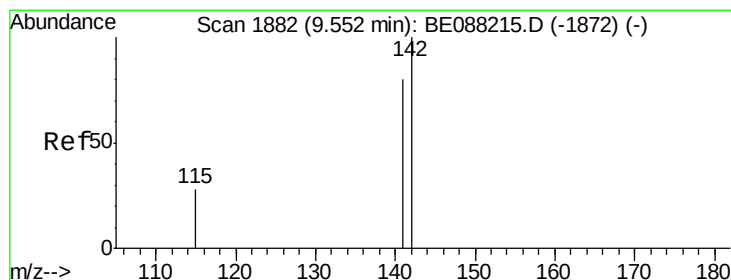
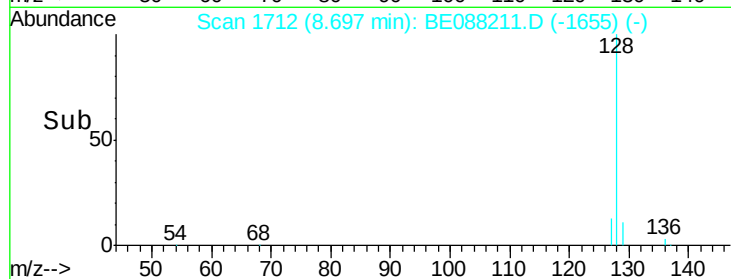
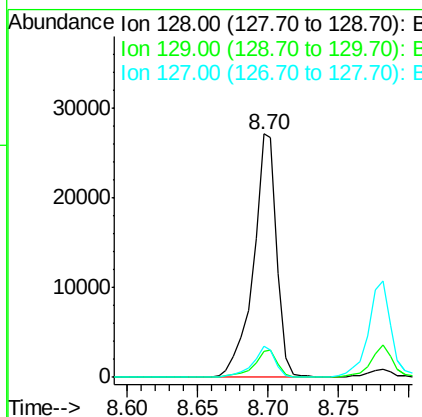
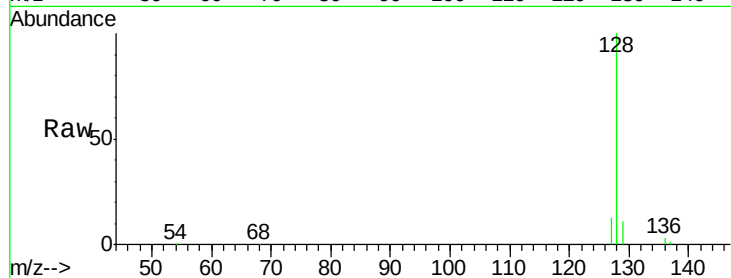
ClientSampleId :

SSTDICC0.8

Tgt Ion:	128	Resp:	31323
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.6	12.8
127	12.8	10.4	15.6

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#6

2-Methylnaphthalene

Concen: 0.76 ng

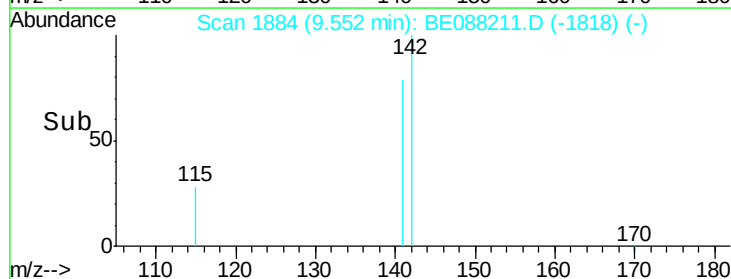
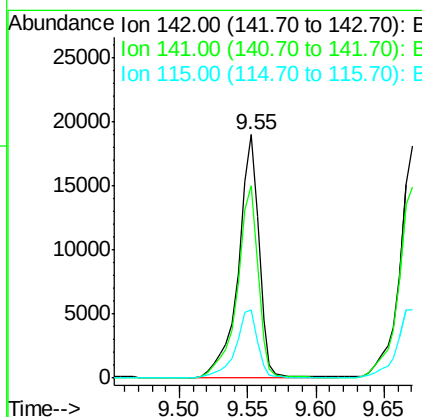
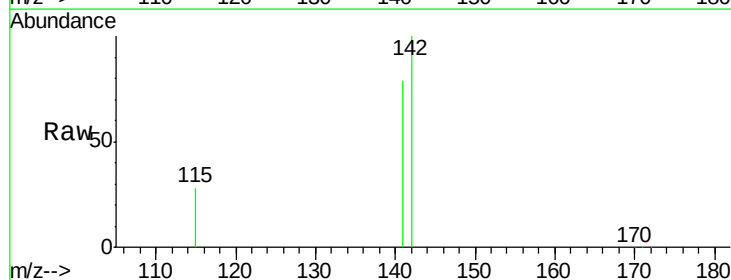
RT: 9.55 min Scan# 1884

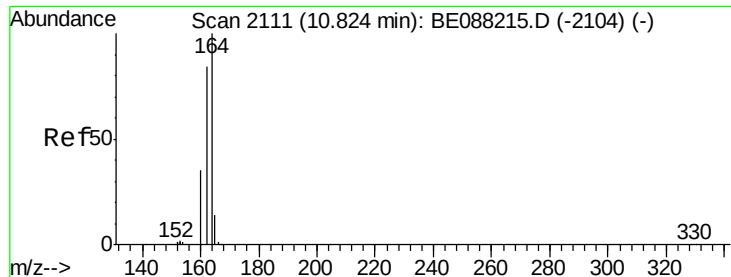
Delta R.T. 0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Tgt Ion:	142	Resp:	19349
Ion Ratio	Lower	Upper	
142	100		
141	79.2	63.7	95.5
115	28.0	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.82 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE088211.D

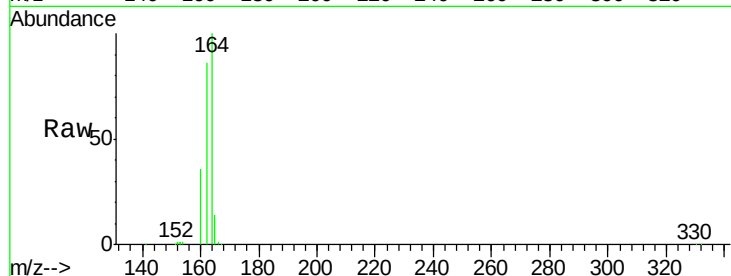
Acq: 24 Oct 2014 14:18

Instrument :

BNA_E

ClientSampleId :

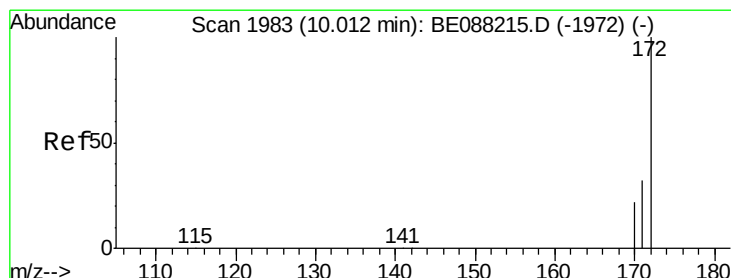
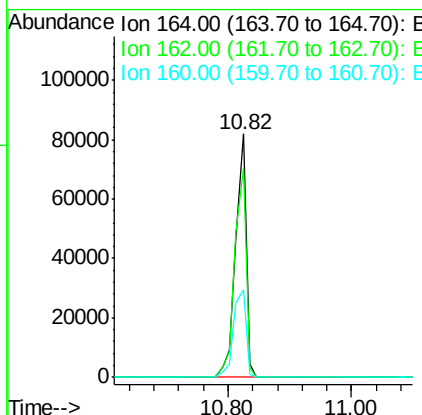
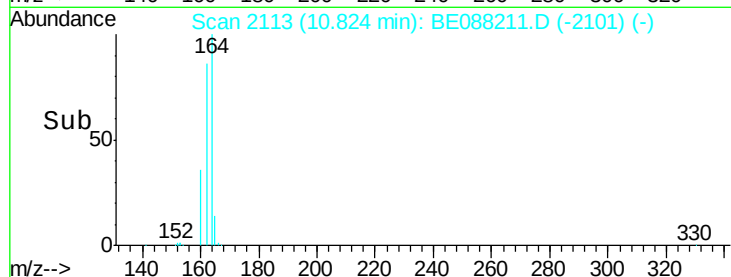
SSTDICC0.8



Tgt Ion:	164	Resp:	96529
Ion Ratio	Lower	Upper	
164	100		
162	85.9	67.4	101.0
160	35.9	27.7	41.5

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#8

2-Fluorobiphenyl

Concen: 0.74 ng

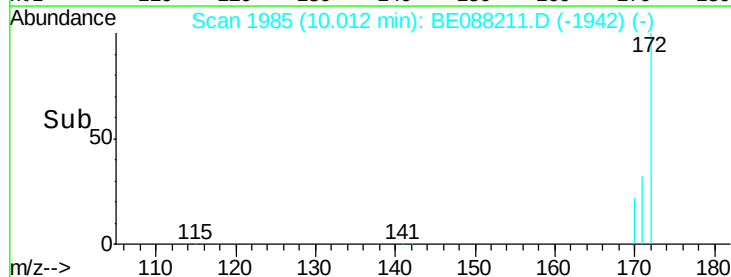
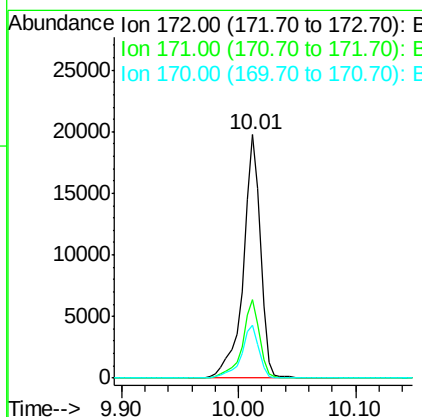
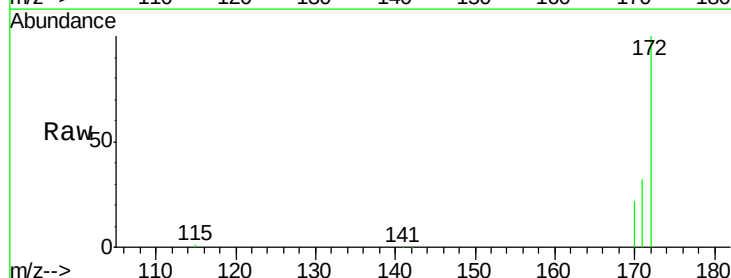
RT: 10.01 min Scan# 1985

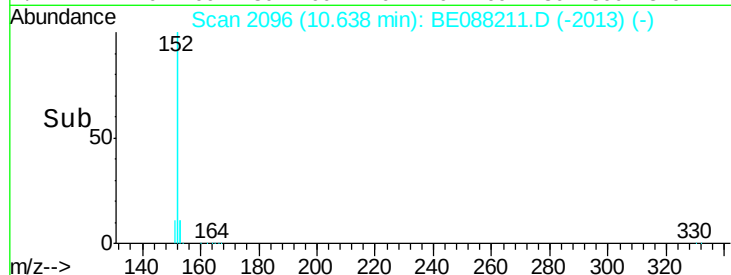
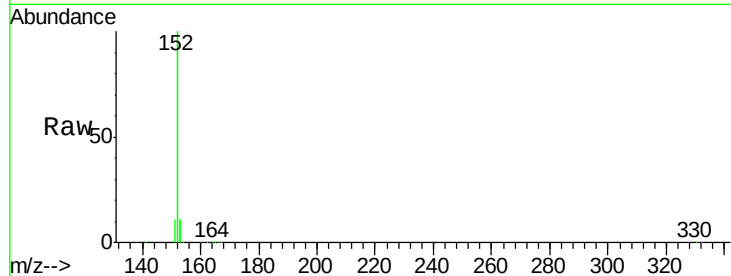
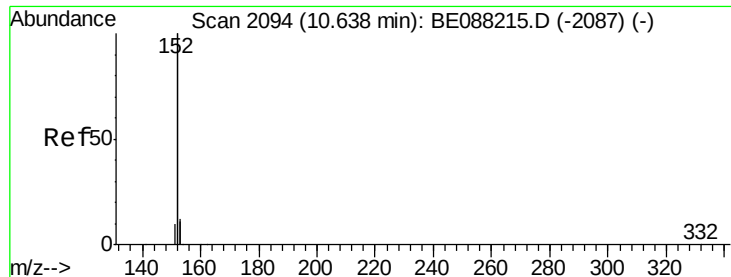
Delta R.T. 0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Tgt Ion:	172	Resp:	19879
Ion Ratio	Lower	Upper	
172	100		
171	32.0	25.8	38.6
170	21.8	17.4	26.0





#9

Acenaphthylene

Concen: 0.74 ng

RT: 10.64 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Instrument :

BNA_E

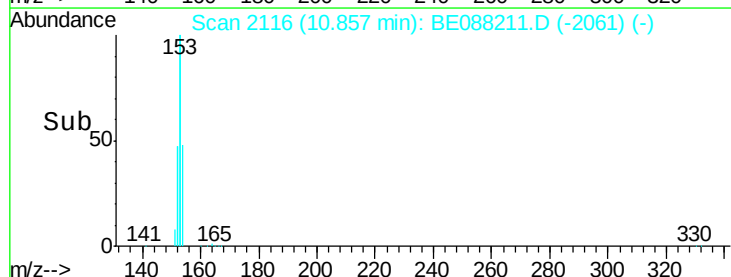
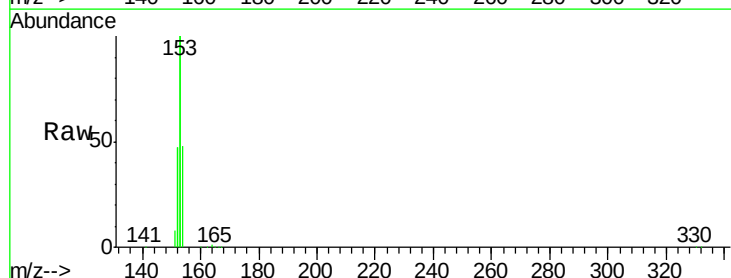
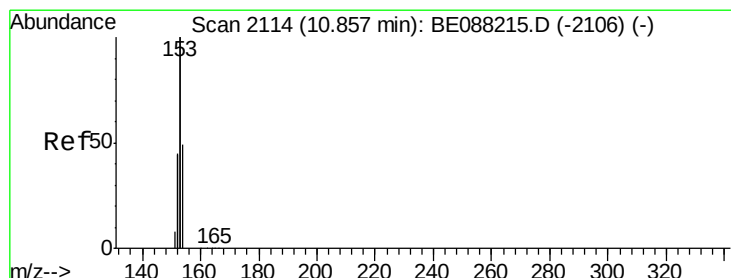
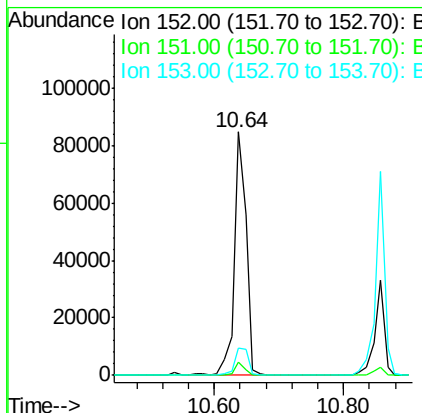
ClientSampleId :

SSTDIC0.8

Tgt Ion:	152	Resp:	106893
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	12.9	10.3	15.5

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#10

Acenaphthene

Concen: 0.74 ng

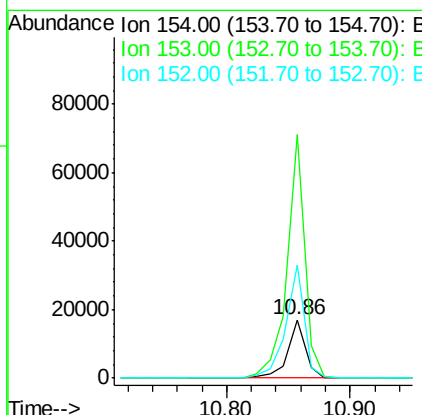
RT: 10.86 min Scan# 2116

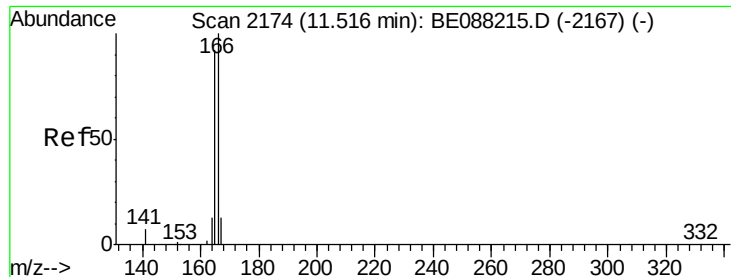
Delta R.T. -0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Tgt Ion:	154	Resp:	16904
Ion Ratio	Lower	Upper	
154	100		
153	409.4	326.0	489.0
152	196.6	155.6	233.4





#11

Fluorene

Concen: 0.77 ng

RT: 11.52 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Instrument :

BNA_E

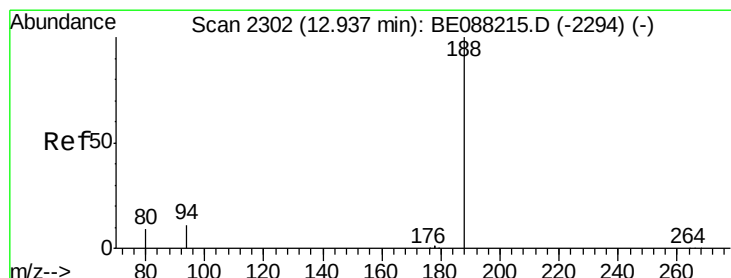
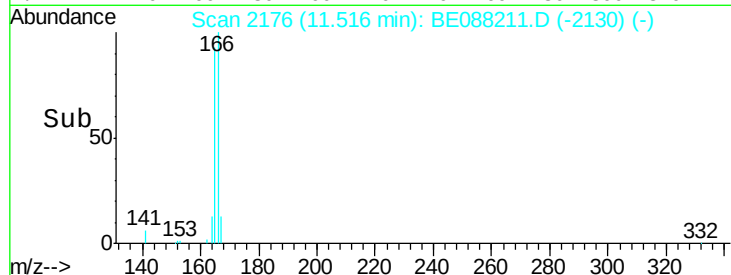
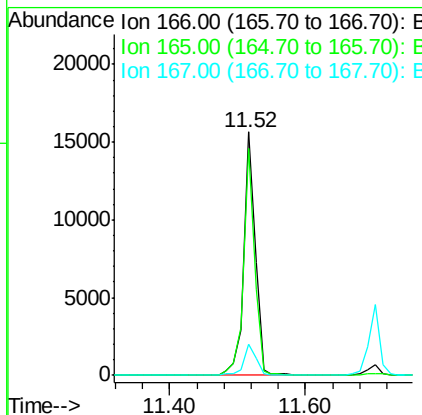
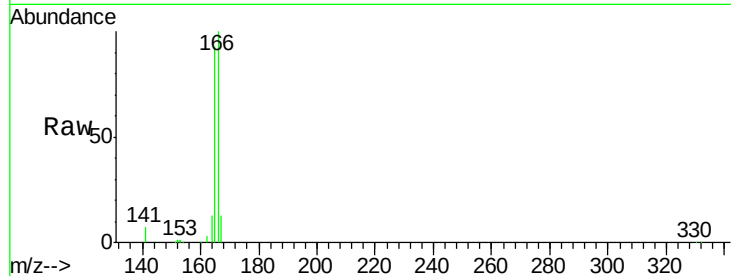
ClientSampleId :

SSTDIC0.8

Tgt Ion:	166	Resp:	17865
Ion Ratio	Lower	Upper	
166	100		
165	89.8	71.8	107.6
167	13.4	10.7	16.1

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#12

Phenanthrene-d10

Concen: 5.00 ng

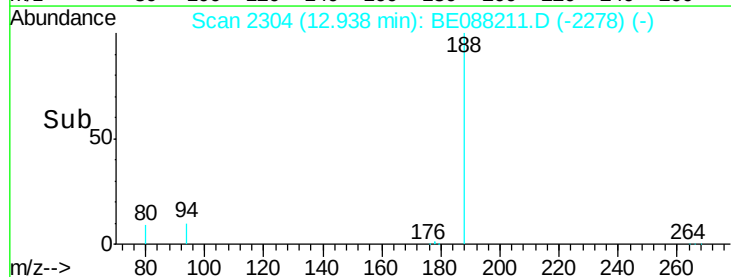
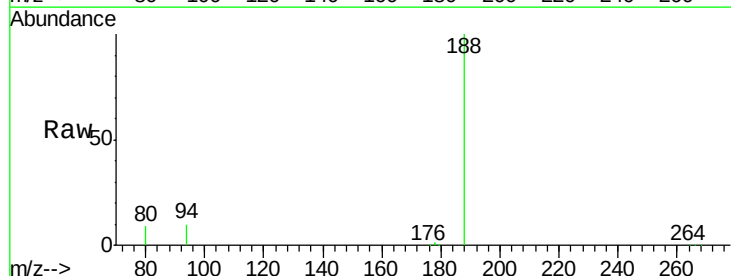
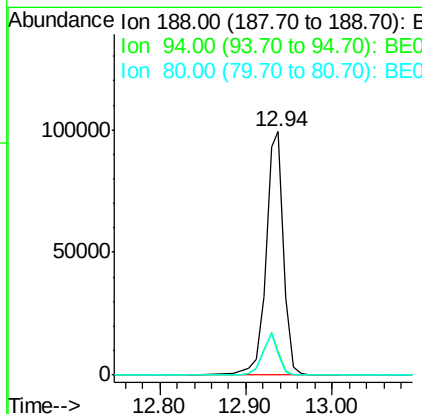
RT: 12.94 min Scan# 2304

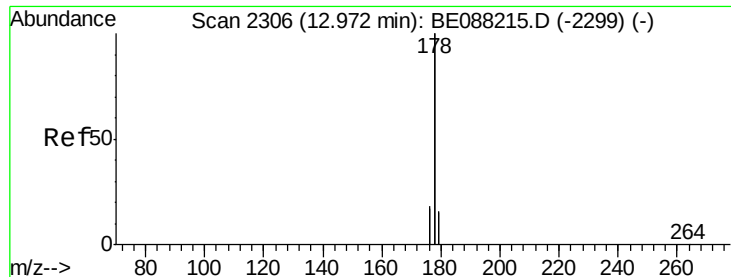
Delta R.T. 0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Tgt Ion:	188	Resp:	176868
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.5	12.7
80	8.6	7.4	11.0





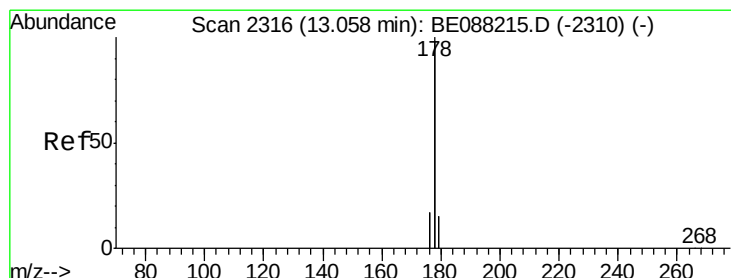
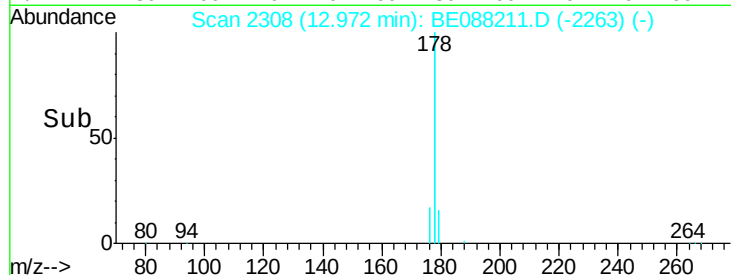
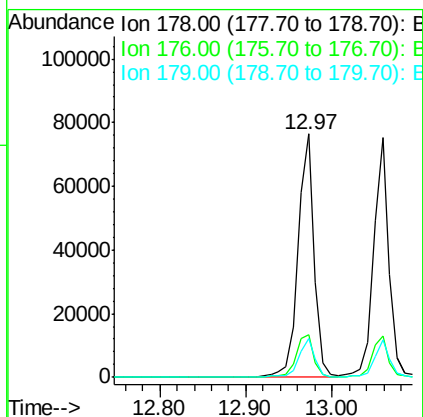
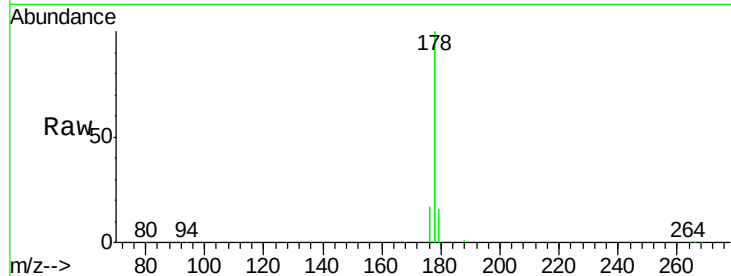
#13
Phenanthrene
Concen: 0.86 ng
RT: 12.97 min Scan# 2308
Delta R.T. 0.00 min
Lab File: BE088211.D
Acq: 24 Oct 2014 14:18

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	14.0	21.0
179	16.7	11.8	17.6

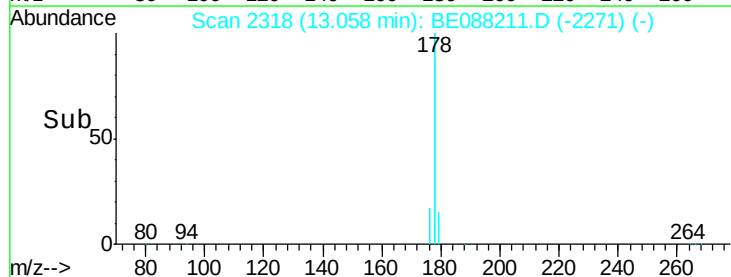
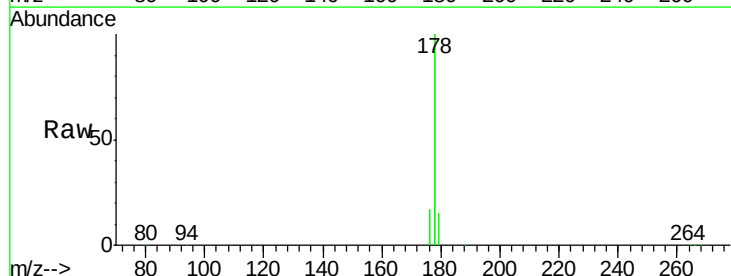
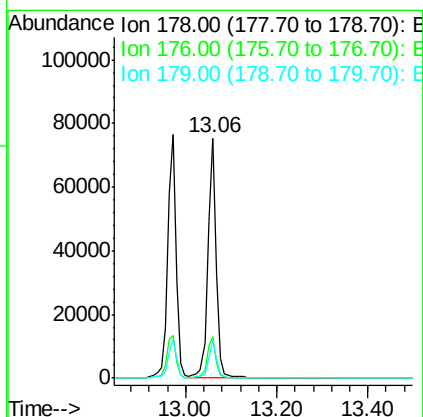
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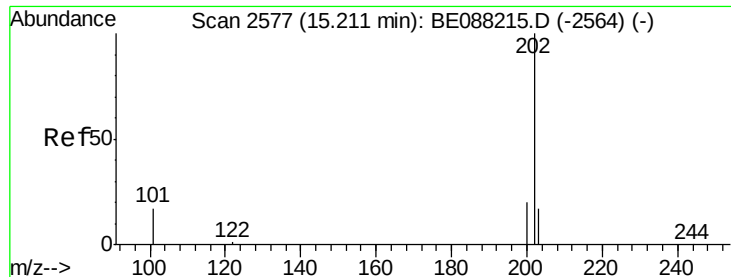
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#14
Anthracene
Concen: 0.75 ng
RT: 13.06 min Scan# 2318
Delta R.T. 0.00 min
Lab File: BE088211.D
Acq: 24 Oct 2014 14:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.5	12.3	18.5





#15

Fluoranthene

Concen: 0.75 ng

RT: 15.21 min Scan# 2579

Delta R.T. 0.00 min

Lab File: BE088211.D

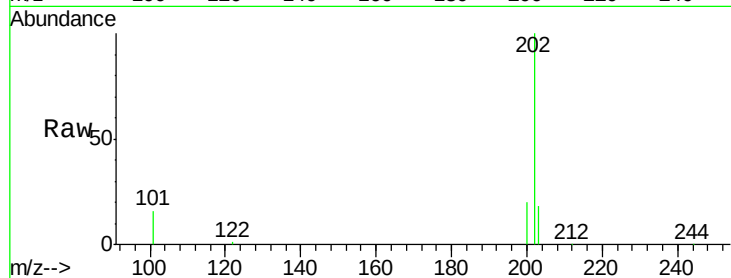
Acq: 24 Oct 2014 14:18

Instrument :

BNA_E

ClientSampleId :

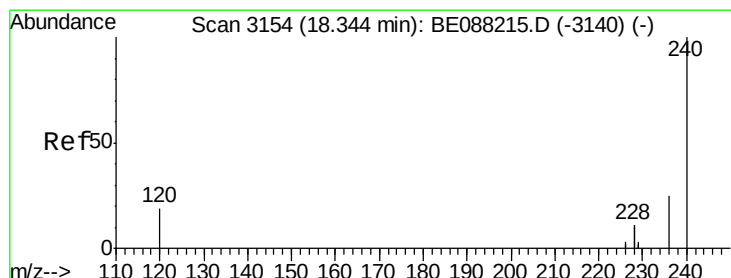
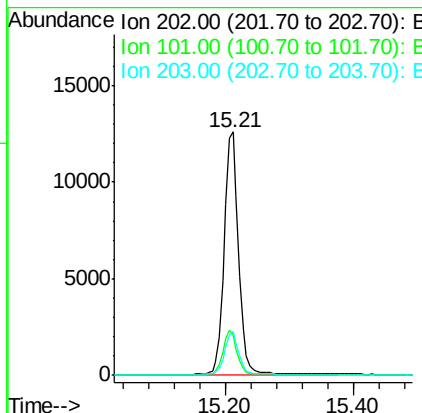
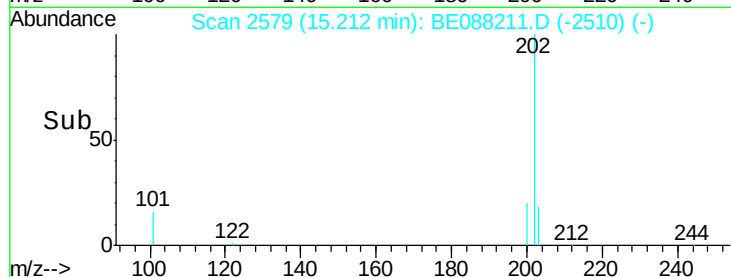
SSTDIC0.8



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	19360		
101	17.8	14.4	21.6	
203	17.0	13.4	20.2	

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#16

Chrysene-d12

Concen: 5.00 ng

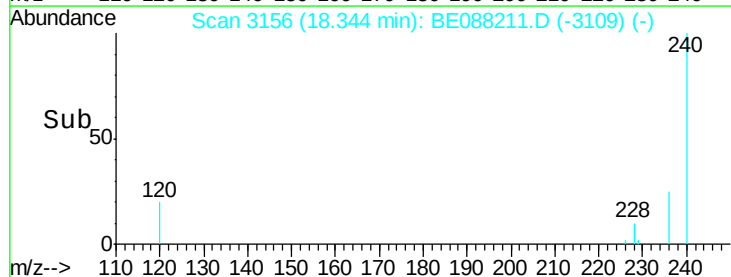
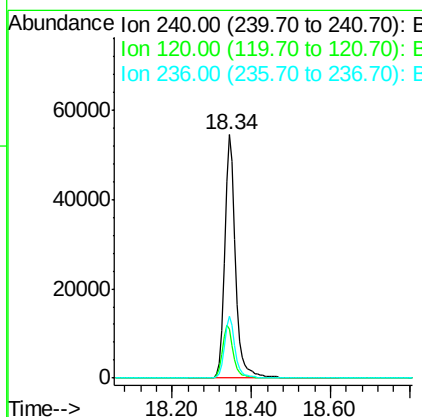
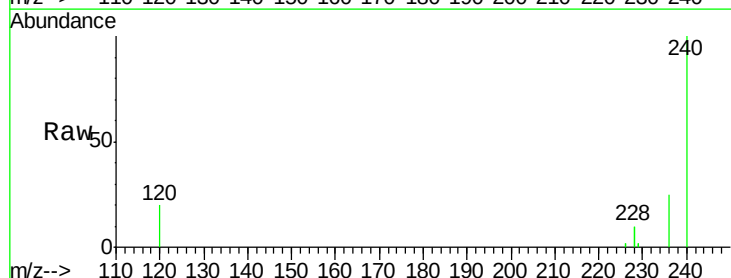
RT: 18.34 min Scan# 3156

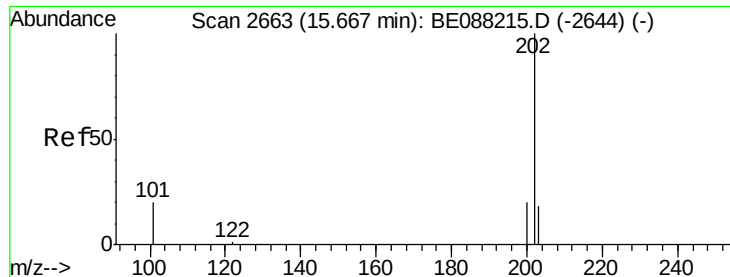
Delta R.T. -0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	100858		
120	20.3	15.1	22.7	
236	25.4	20.1	30.1	





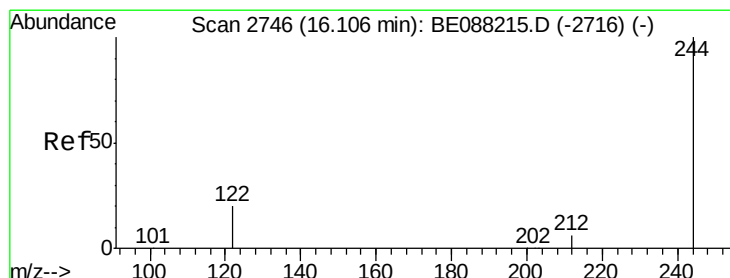
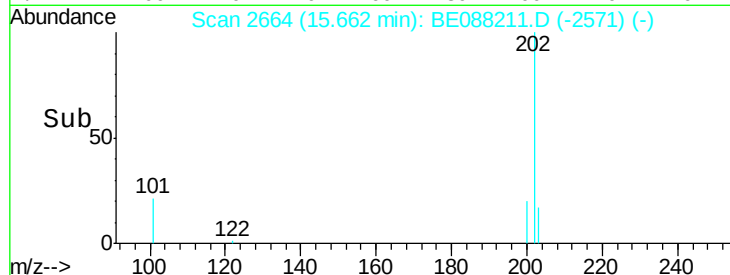
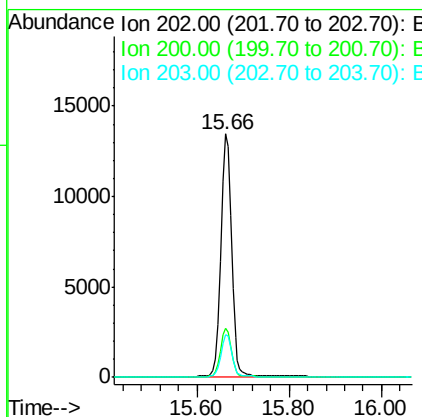
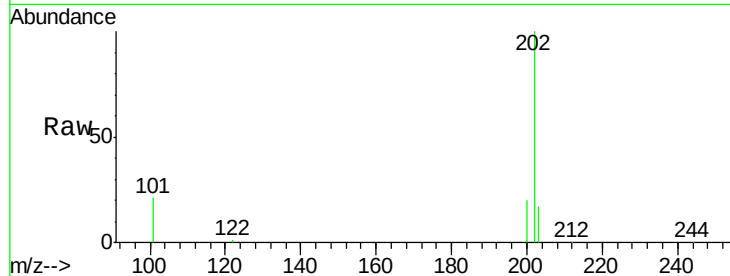
#17
 Pyrene
 Concen: 0.76 ng
 RT: 15.66 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: BE088211.D
 Acq: 24 Oct 2014 14:18

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	21072		
200	20.1	16.2	24.2	
203	17.4	13.8	20.8	

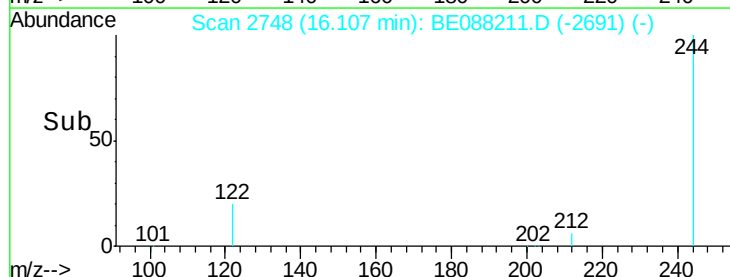
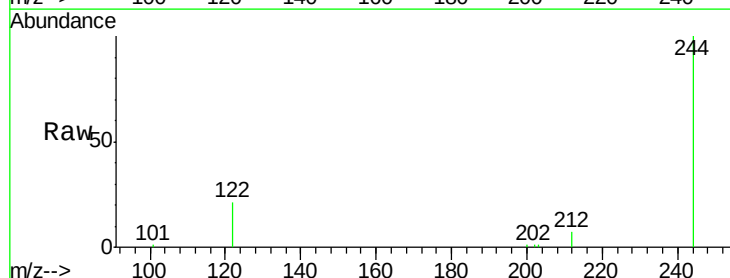
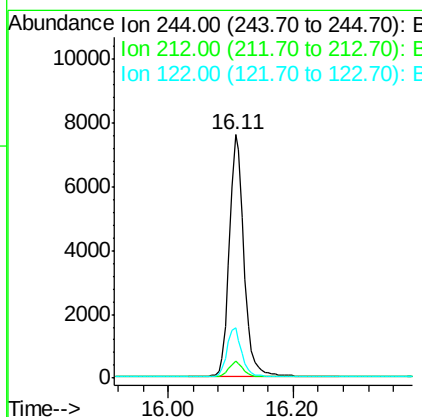
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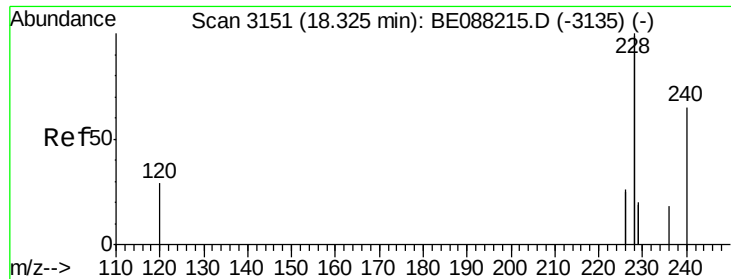
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#18
 Terphenyl-d14
 Concen: 0.75 ng
 RT: 16.11 min Scan# 2748
 Delta R.T. 0.00 min
 Lab File: BE088211.D
 Acq: 24 Oct 2014 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	12405		
212	6.9	5.4	8.2	
122	20.8	16.7	25.1	





#19

Benzo(a)anthracene

Concen: 0.70 ng

RT: 18.32 min Scan# 3153

Delta R.T. -0.00 min

Lab File: BE088211.D

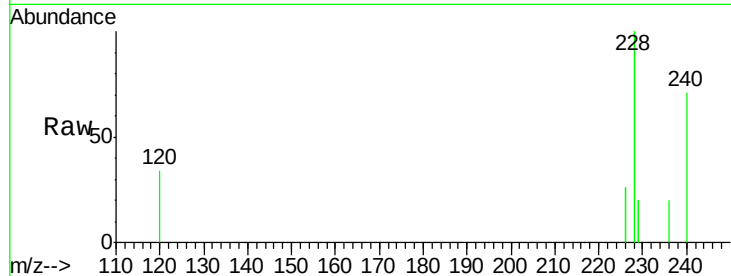
Acq: 24 Oct 2014 14:18

Instrument :

BNA_E

ClientSampleId :

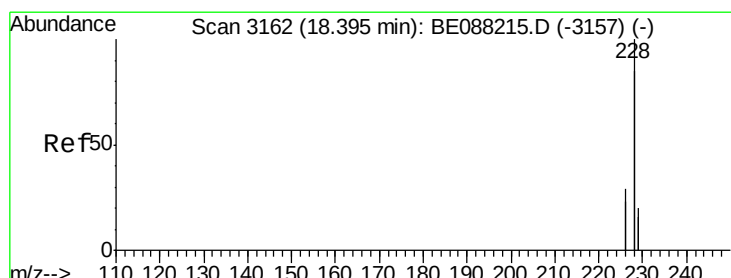
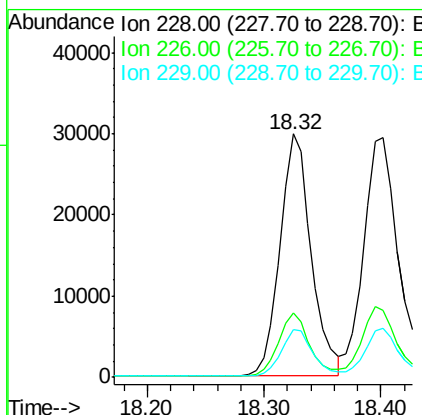
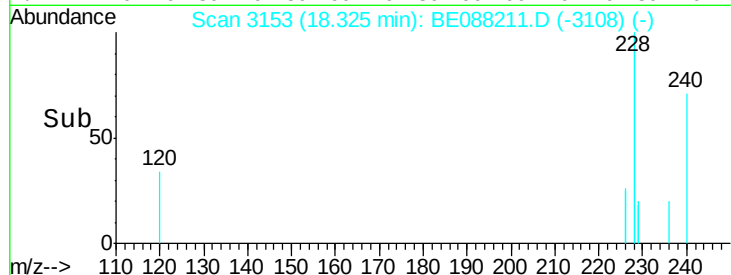
SSTDICC0.8



Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	20.5	30.7
229	19.7	16.1	24.1

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#20

Chrysene

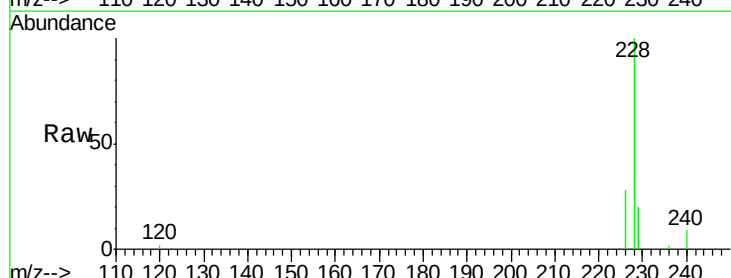
Concen: 0.73 ng

RT: 18.40 min Scan# 3165

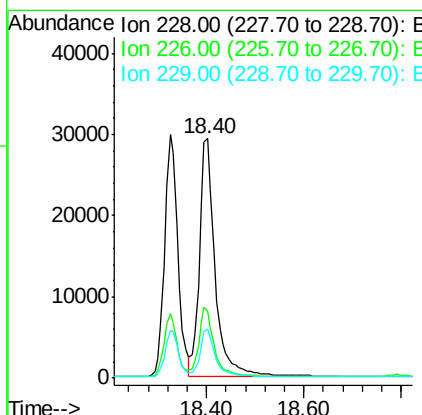
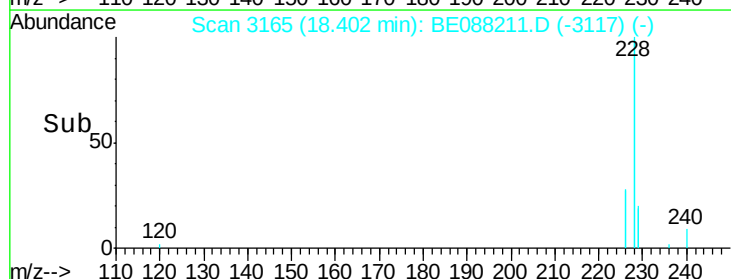
Delta R.T. 0.01 min

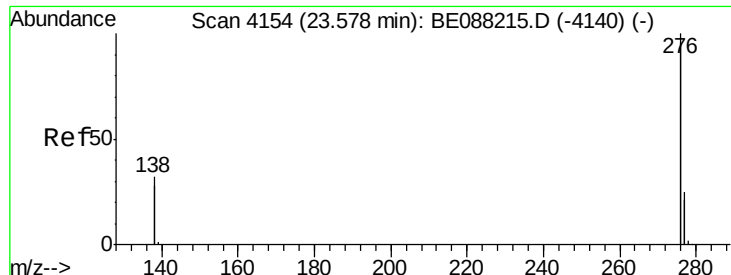
Lab File: BE088211.D

Acq: 24 Oct 2014 14:18



Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.3	34.9
229	20.4	15.6	23.4





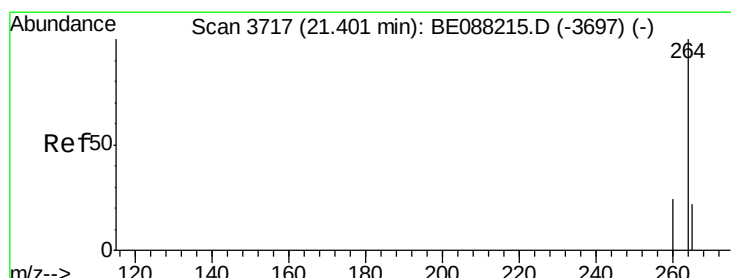
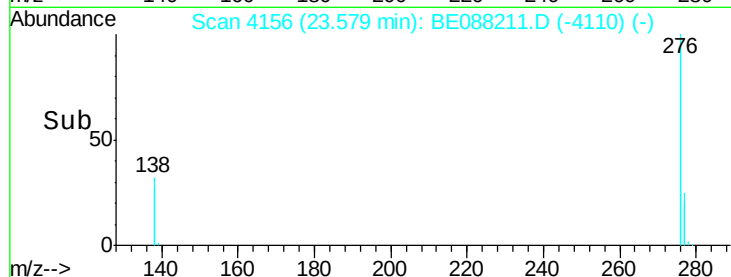
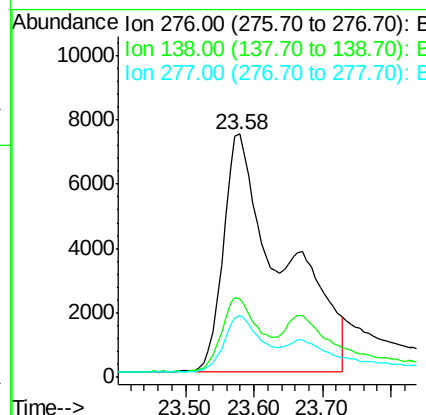
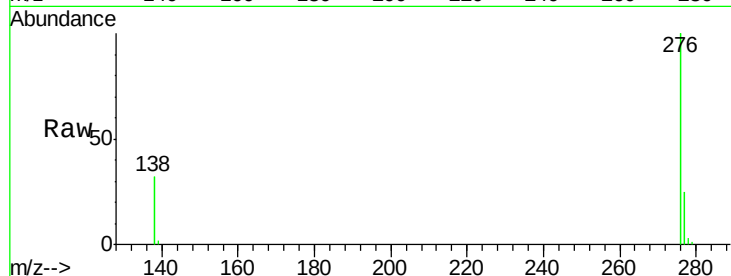
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.56 ng m
RT: 23.58 min Scan# 4156
Delta R.T. 0.00 min
Lab File: BE088211.D
Acq: 24 Oct 2014 14:18

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	13.9	20.9
277	15.1	10.7	16.1

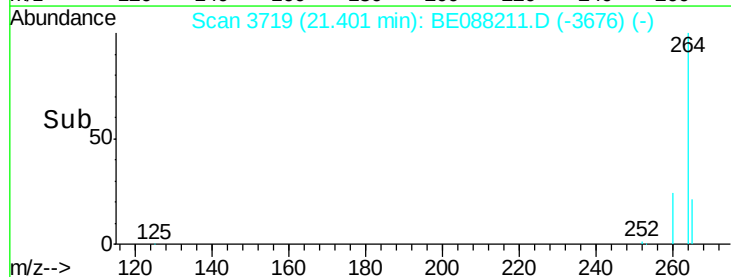
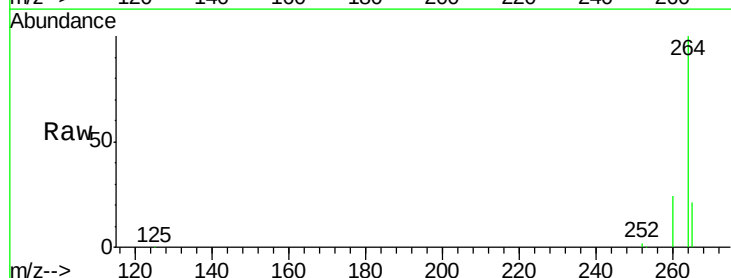
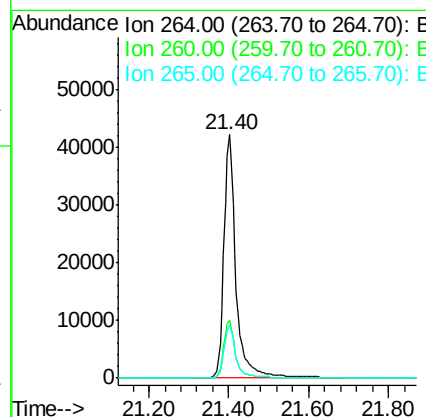
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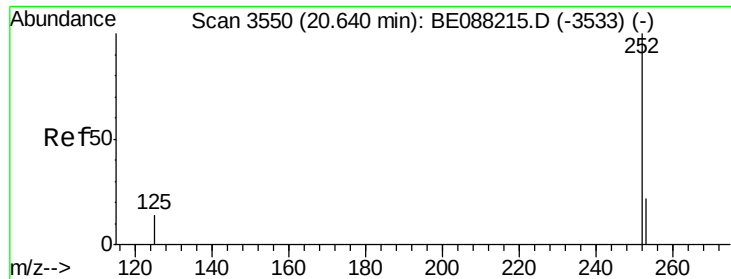
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3719
Delta R.T. 0.00 min
Lab File: BE088211.D
Acq: 24 Oct 2014 14:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.5	17.4	26.2





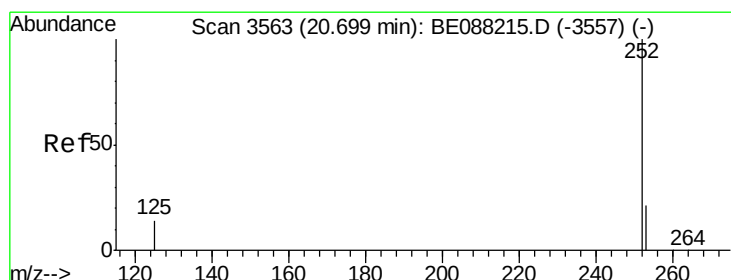
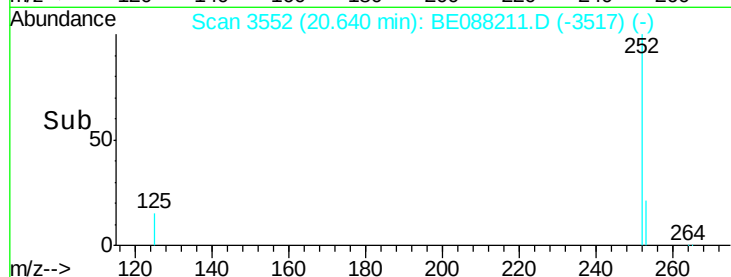
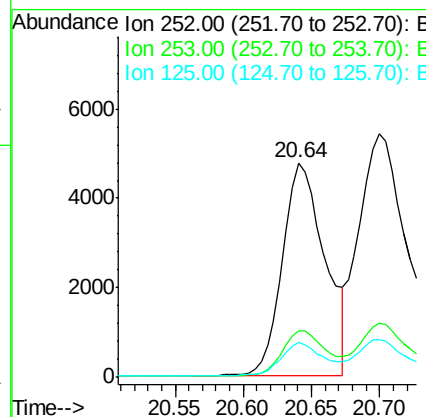
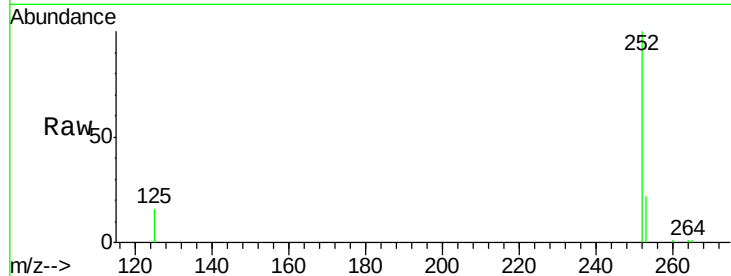
#23
Benzo(b)fluoranthene
Concen: 0.72 ng
RT: 20.64 min Scan# 3552
Delta R.T. 0.00 min
Lab File: BE088211.D
Acq: 24 Oct 2014 14:18

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	16.1	12.2	18.2

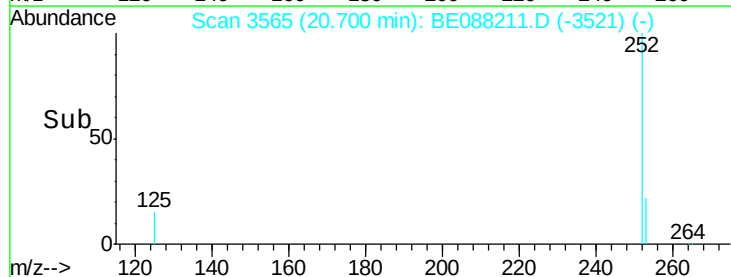
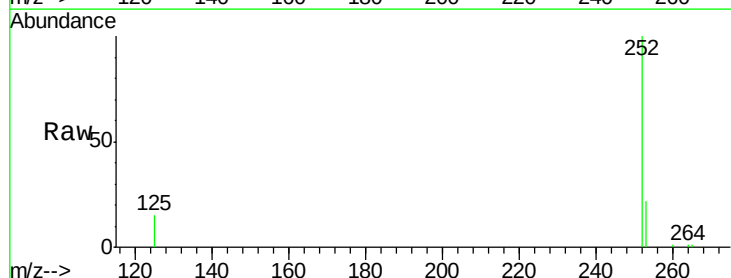
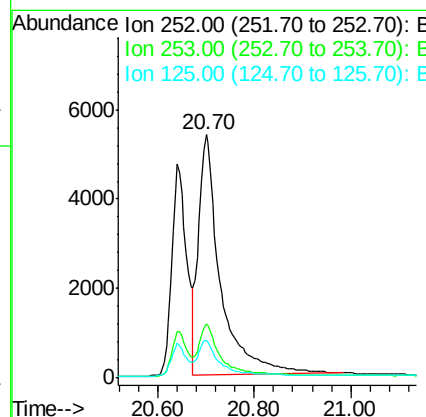
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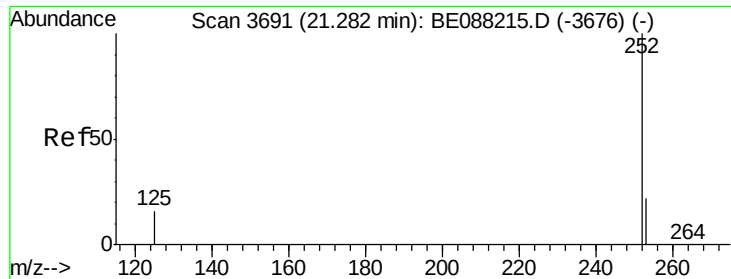
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#24
Benzo(k)fluoranthene
Concen: 0.75 ng
RT: 20.70 min Scan# 3565
Delta R.T. 0.00 min
Lab File: BE088211.D
Acq: 24 Oct 2014 14:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	15.5	12.1	18.1





#25

Benzo(a)pyrene

Concen: 0.71 ng

RT: 21.28 min Scan# 3693

Delta R.T. 0.00 min

Lab File: BE088211.D

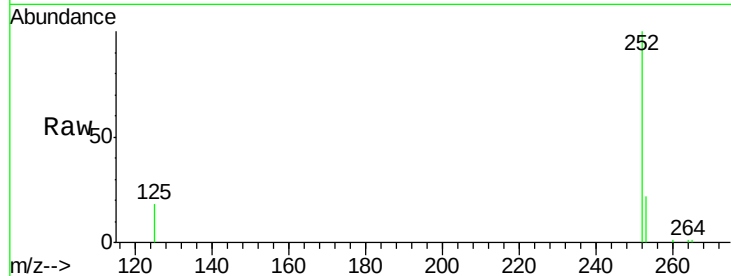
Acq: 24 Oct 2014 14:18

Instrument :

BNA_E

ClientSampleId :

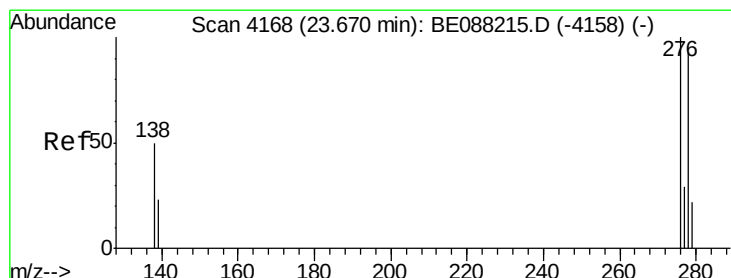
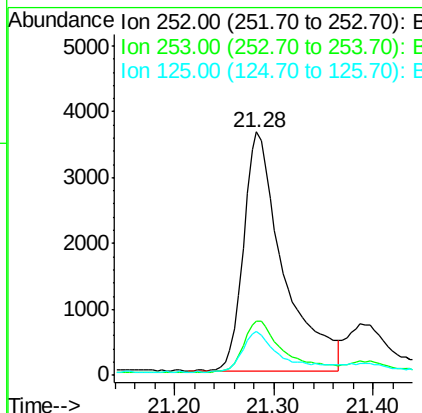
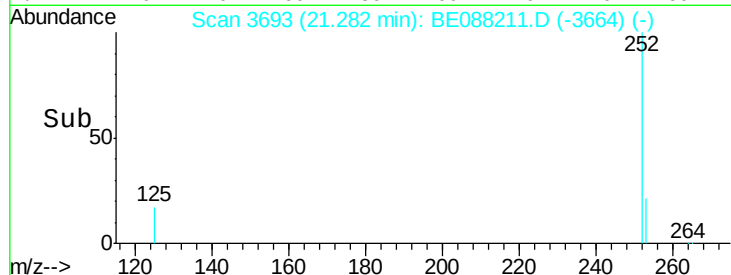
SSTDIC0.8



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	18.2	13.5	20.3

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#26

Dibenzo(a,h)anthracene

Concen: 0.69 ng

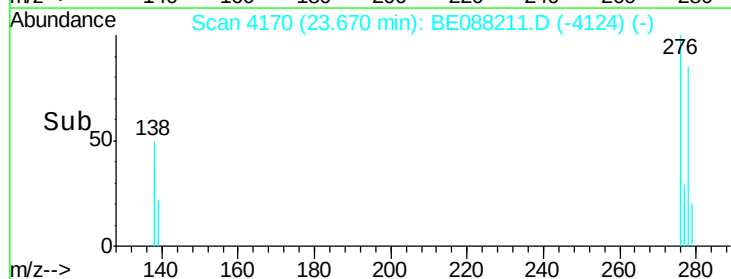
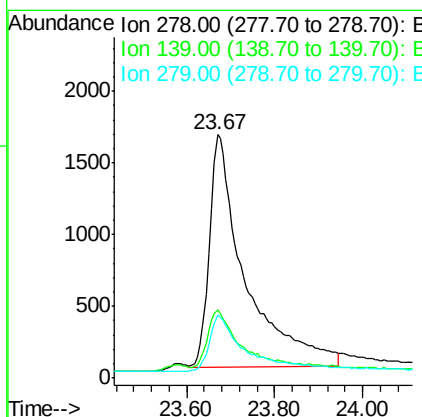
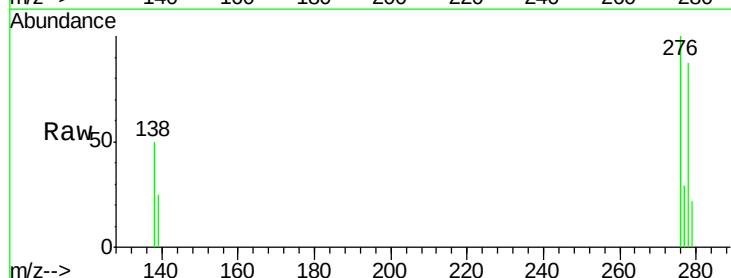
RT: 23.67 min Scan# 4170

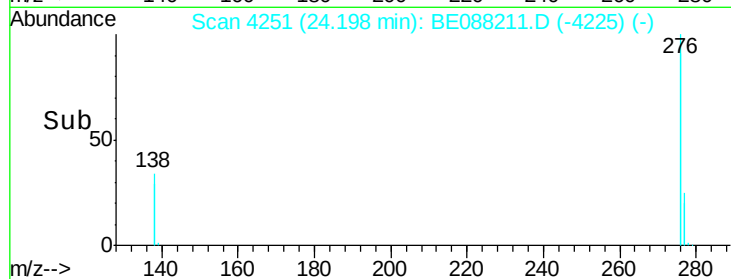
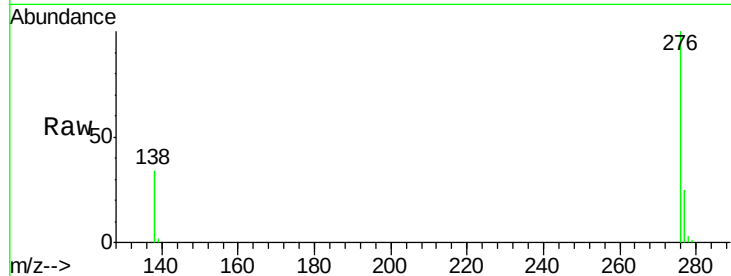
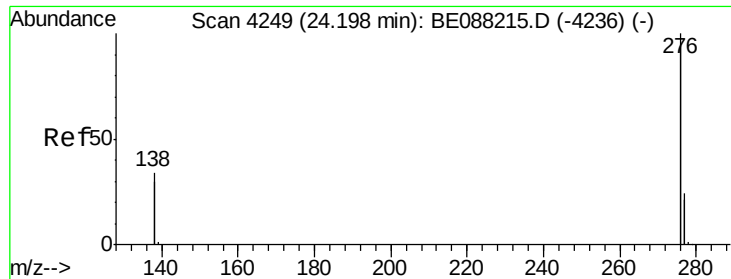
Delta R.T. 0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.2	22.1	33.1
279	25.8	20.2	30.2





#27

Benzo(g,h,i)perylene

Concen: 0.70 ng

RT: 24.20 min Scan# 4251

Delta R.T. 0.00 min

Lab File: BE088211.D

Acq: 24 Oct 2014 14:18

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	24.8	19.4	29.2	
138	34.4	27.3	40.9	

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