

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088210.D
 Acq On : 24 Oct 2014 13:46
 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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Quant Time: Oct 27 12:48:41 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	58770	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	224962	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	102142	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	178486	5.00	ng	0.00
16) Chrysene-d12	18.34	240	101054	5.00	ng	0.00
22) Perylene-d12	21.40	264	91713	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	6513	0.47	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	14994	0.53	ng	0.00
18) Terphenyl-d14	16.11	244	8644	0.52	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.39	88	4177	0.51	ng	100
5) Naphthalene	8.70	128	23938	0.52	ng	99
6) 2-Methylnaphthalene	9.55	142	14462	0.52	ng	100
9) Acenaphthylene	10.64	152	80056	0.52	ng	100
10) Acenaphthene	10.86	154	12689	0.53	ng	99
11) Fluorene	11.52	166	12958	0.53	ng	100
13) Phenanthrene	12.97	178	89924	0.61	ng	94
14) Anthracene	13.06	178	66573	0.52	ng	99
15) Fluoranthene	15.21	202	13711	0.53	ng	99
17) Pyrene	15.67	202	14678	0.53	ng	100
19) Benzo(a)anthracene	18.32	228	39876	0.50	ng	99
20) Chrysene	18.40	228	46692	0.52	ng	98
21) Indeno(1,2,3-cd)pyrene	23.57	276	34683m	0.44	ng	
23) Benzo(b)fluoranthene	20.64	252	7211	0.48	ng	99
24) Benzo(k)fluoranthene	20.70	252	12419	0.52	ng	99
25) Benzo(a)pyrene	21.28	252	7073	0.48	ng	98
26) Dibenzo(a,h)anthracene	23.68	278	6626	0.47	ng	96
27) Benzo(g,h,i)perylene	24.20	276	36956	0.50	ng	98

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

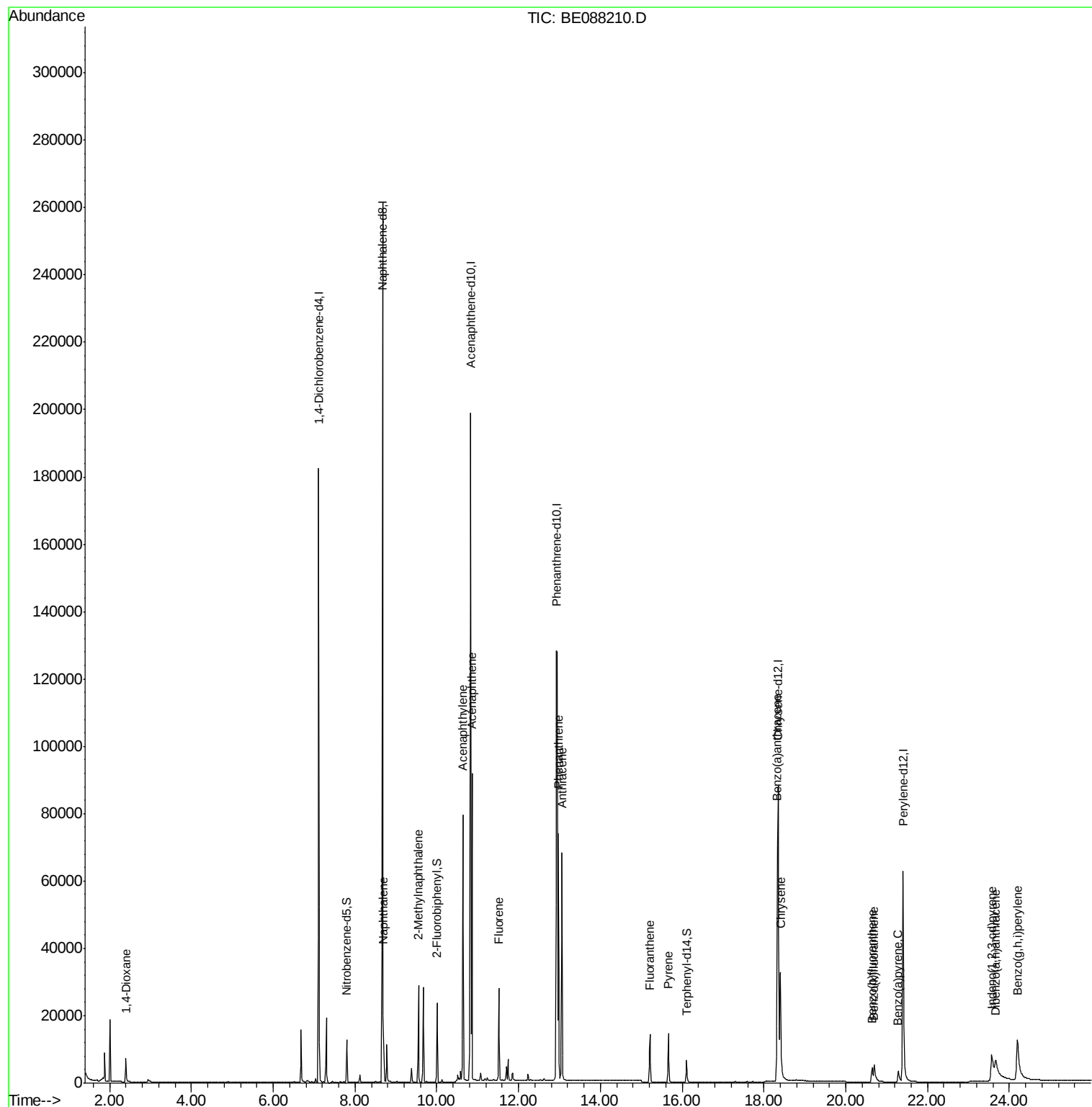
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088210.D
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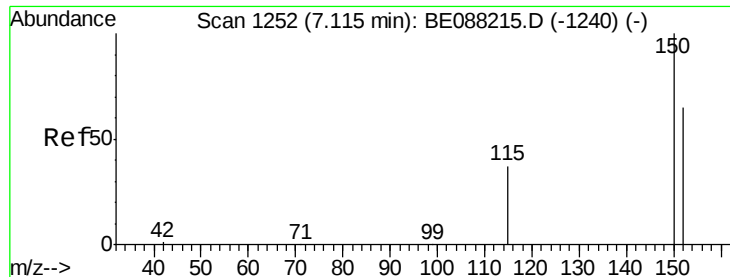
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088210.D

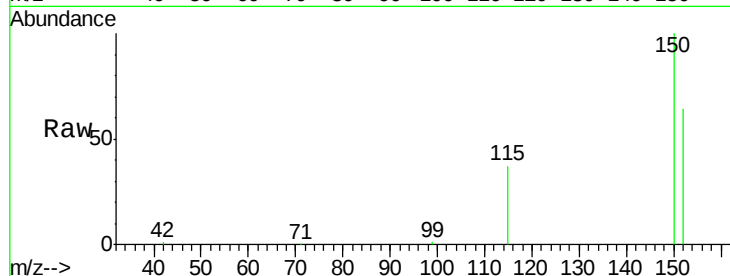
Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5



Tgt Ion: 152 Resp: 58770

Ion Ratio Lower Upper

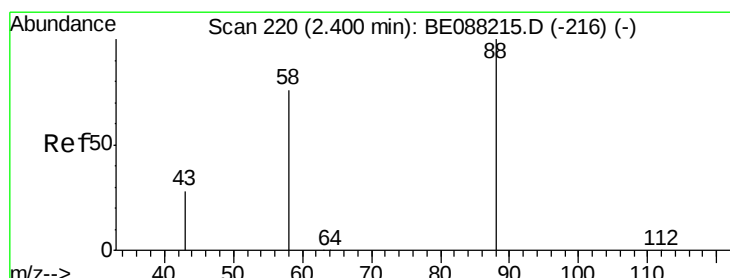
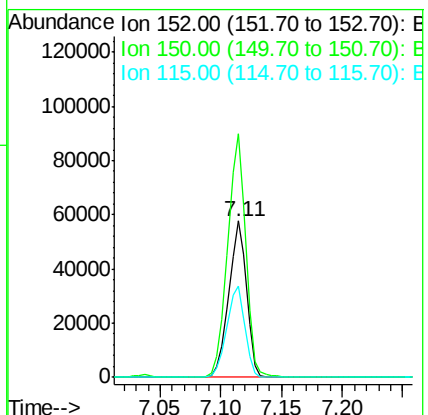
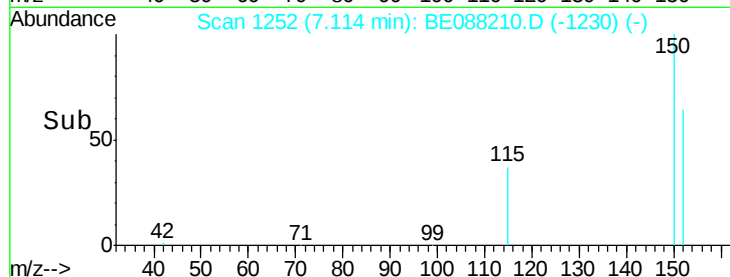
152 100

150 155.7 123.2 184.8

115 58.2 45.3 67.9

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#2

1,4-Dioxane

Concen: 0.51 ng

RT: 2.39 min Scan# 219

Delta R.T. -0.01 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

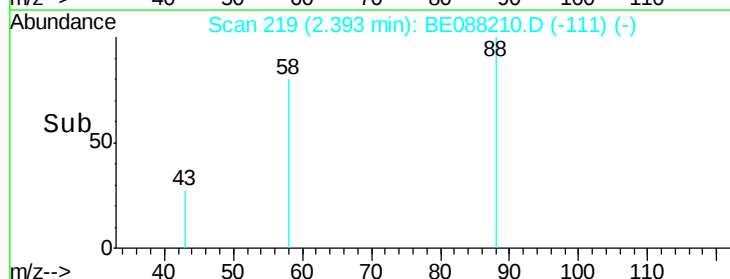
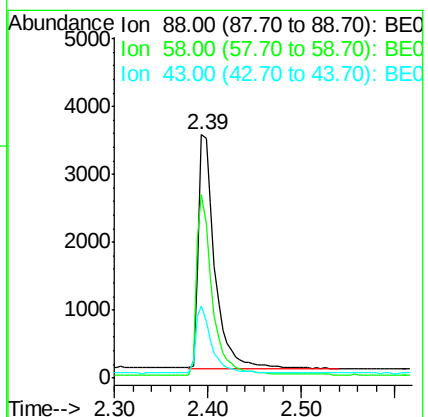
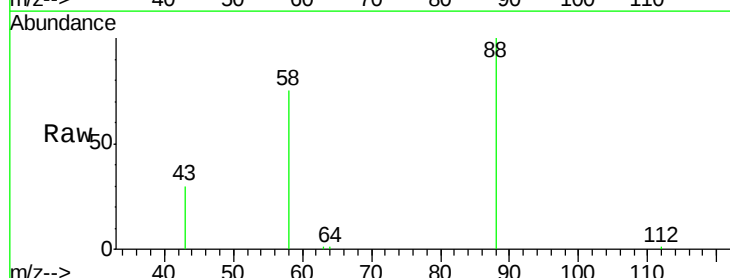
Tgt Ion: 88 Resp: 4177

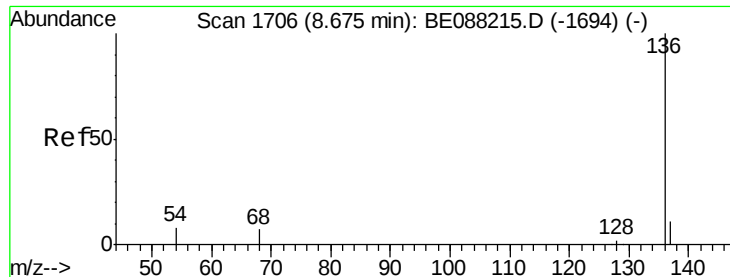
Ion Ratio Lower Upper

88 100

58 74.1 59.0 88.4

43 27.3 21.9 32.9





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.68 min Scan# 1707

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

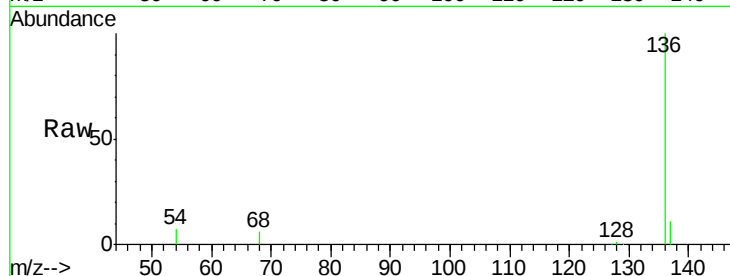
ClientSampleId :

SSTDIC0.5

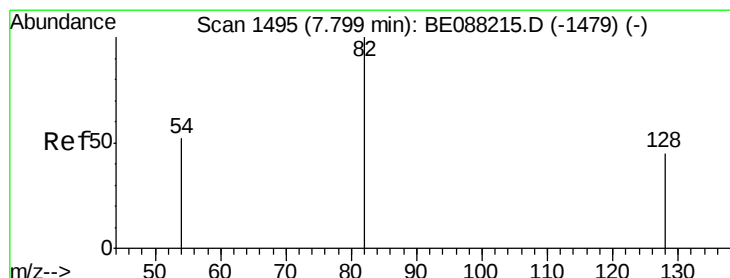
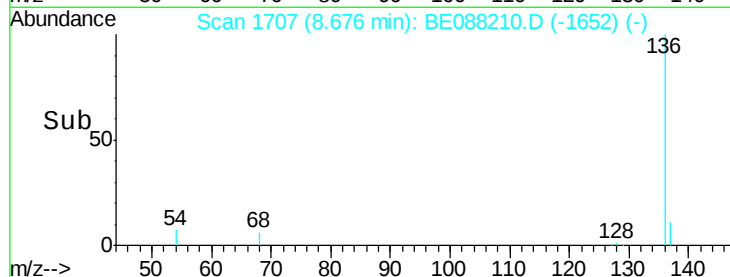
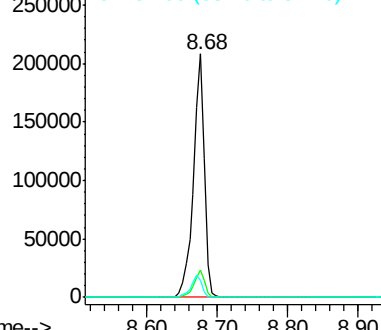
Tgt Ion:	136	Resp:	224962
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	6.9	6.1	9.1

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Abundance Ion 136.00 (135.70 to 136.70): BE088210.D (-1652) (-)



#4

Nitrobenzene-d5

Concen: 0.47 ng

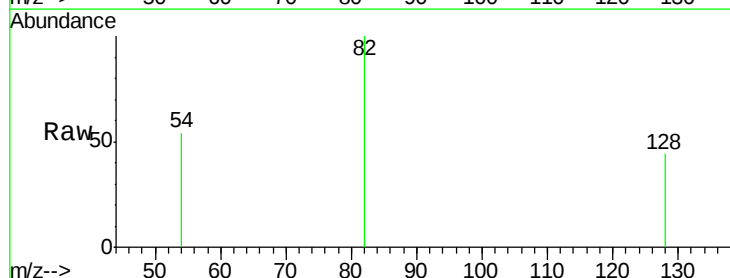
RT: 7.80 min Scan# 1495

Delta R.T. 0.00 min

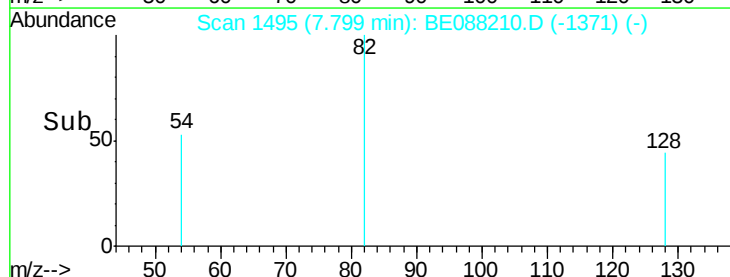
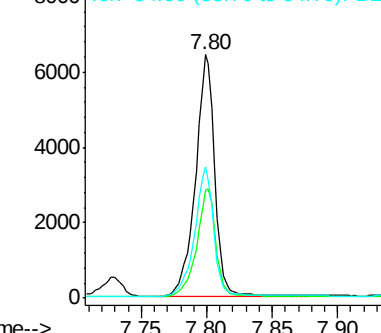
Lab File: BE088210.D

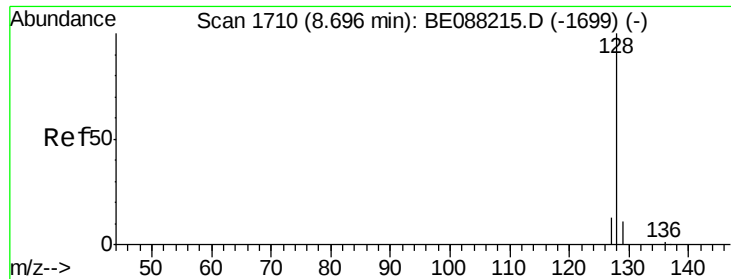
Acq: 24 Oct 2014 13:46

Tgt Ion:	82	Resp:	6513
Ion Ratio	Lower	Upper	
82	100		
128	44.2	36.2	54.2
54	53.8	41.8	62.8



Abundance Ion 82.00 (81.70 to 82.70): BE088210.D (-1371) (-)





#5

Naphthalene

Concen: 0.52 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

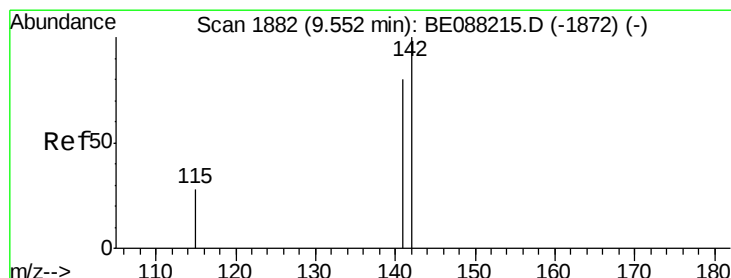
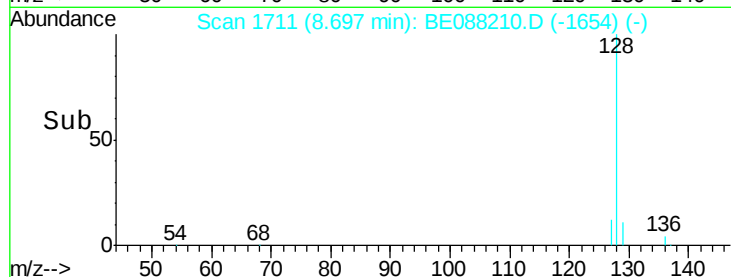
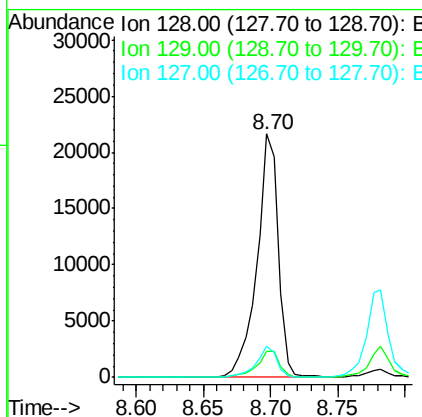
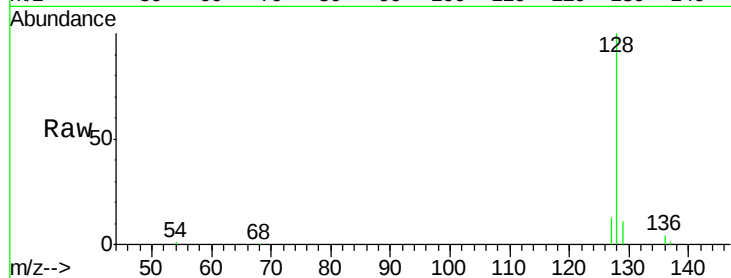
ClientSampleId :

SSTDIC0.5

Tgt Ion:	128	Resp:	23938
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	12.6	10.4	15.6

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#6

2-Methylnaphthalene

Concen: 0.52 ng

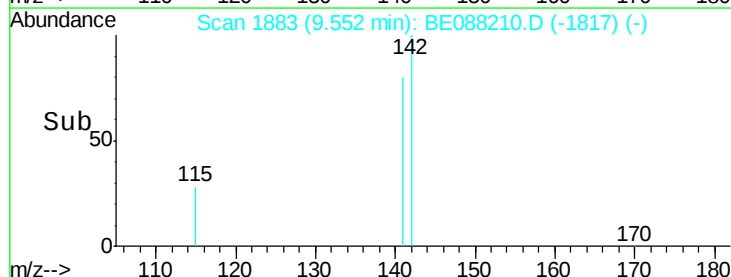
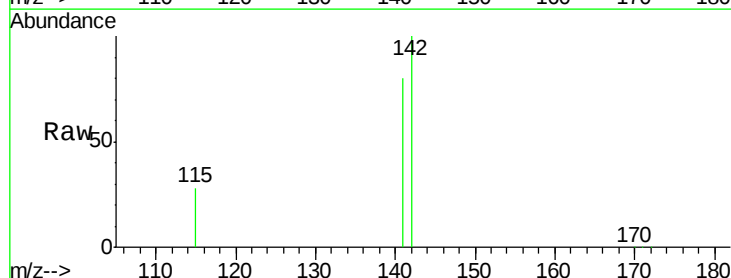
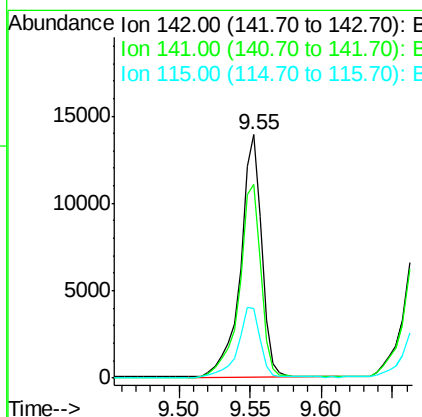
RT: 9.55 min Scan# 1883

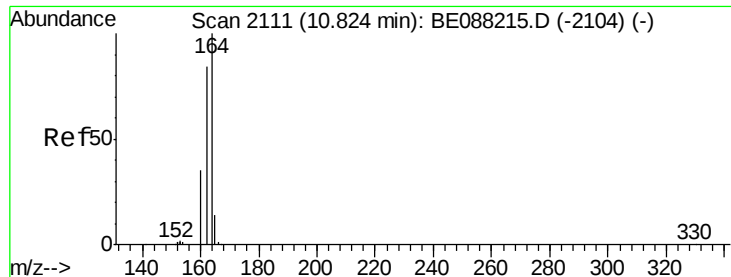
Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Tgt Ion:	142	Resp:	14462
Ion Ratio	Lower	Upper	
142	100		
141	79.7	63.7	95.5
115	28.4	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.82 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088210.D

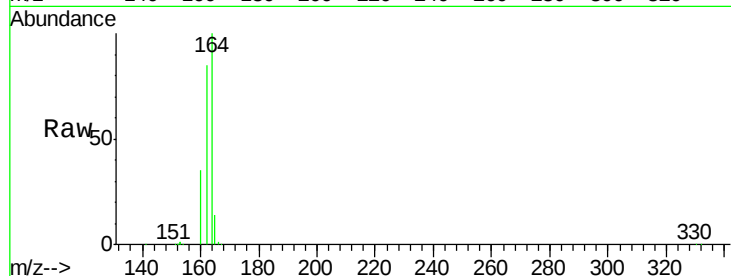
Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

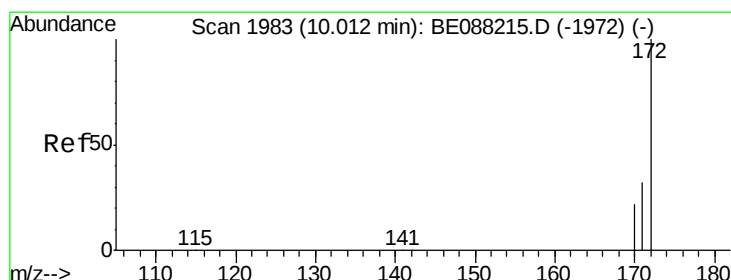
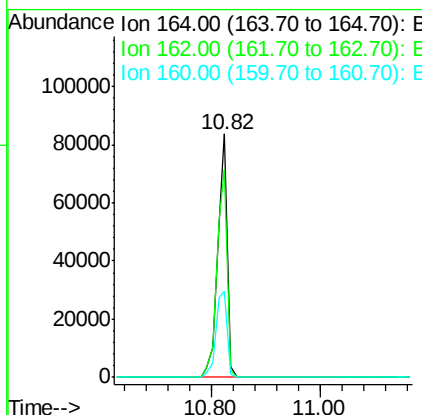
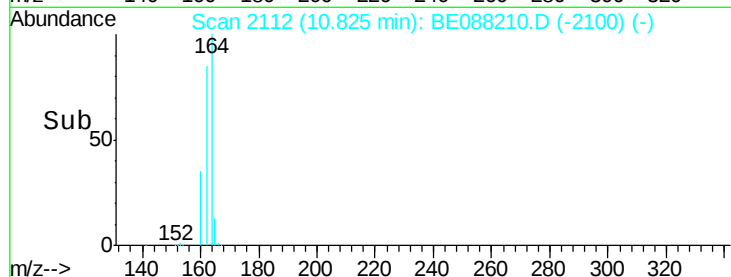
SSTDICC0.5



Tgt Ion	Ratio	Lower	Upper
164	100		
162	85.4	67.4	101.0
160	35.3	27.7	41.5

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#8

2-Fluorobiphenyl

Concen: 0.53 ng

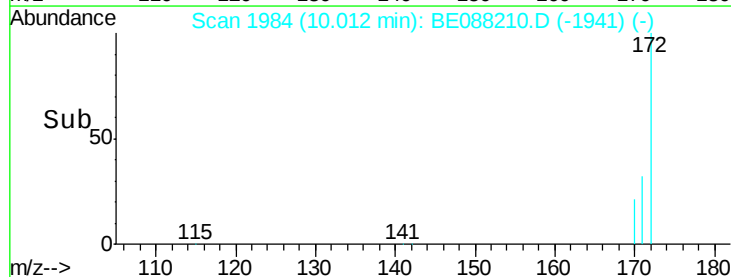
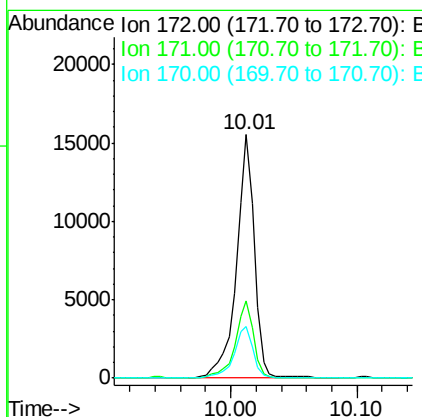
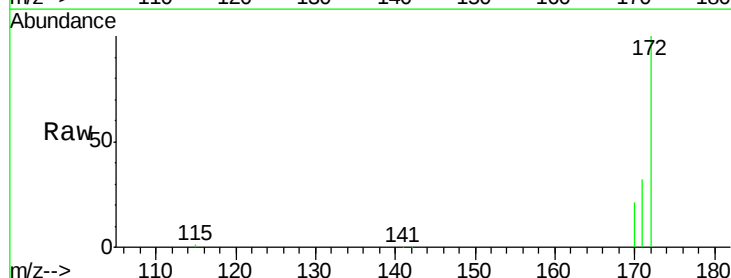
RT: 10.01 min Scan# 1984

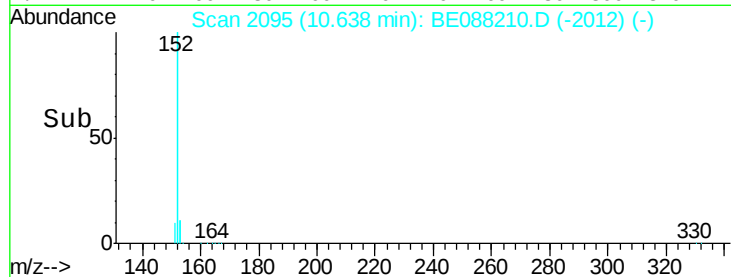
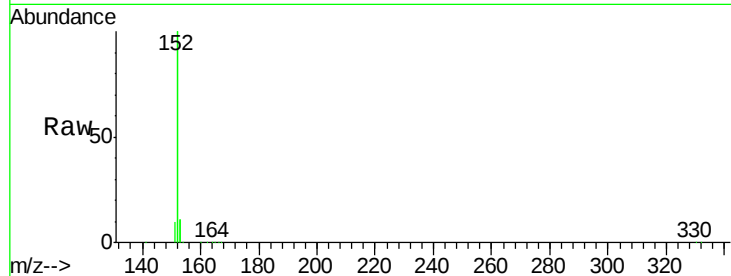
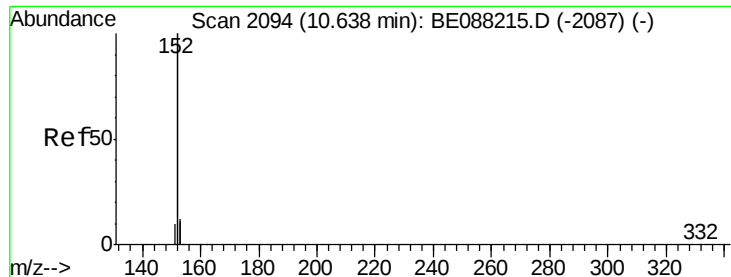
Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.7	25.8	38.6
170	21.1	17.4	26.0





#9

Acenaphthylene

Concen: 0.52 ng

RT: 10.64 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Tgt Ion:	152	Resp:	80056
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	12.9	10.3	15.5

Instrument :

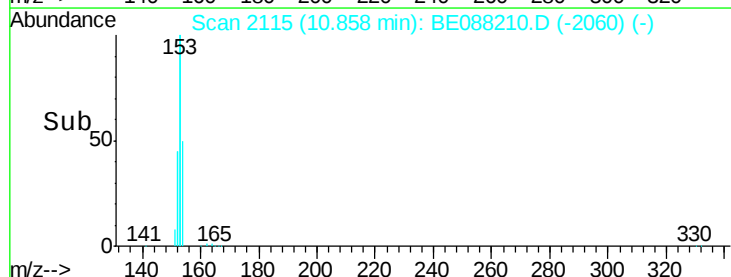
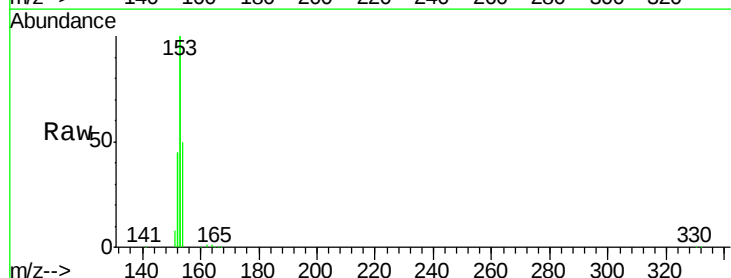
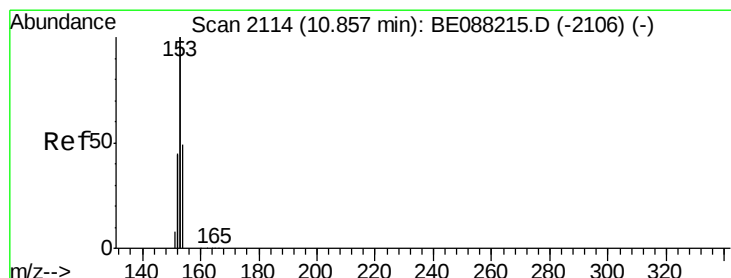
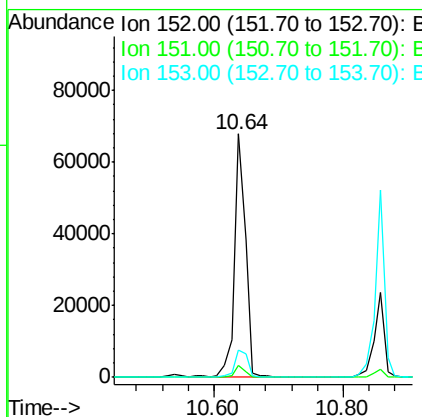
BNA_E

ClientSampleId :

SSTDICC0.5

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#10

Acenaphthene

Concen: 0.53 ng

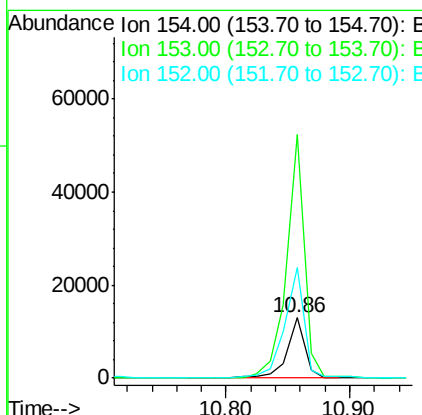
RT: 10.86 min Scan# 2115

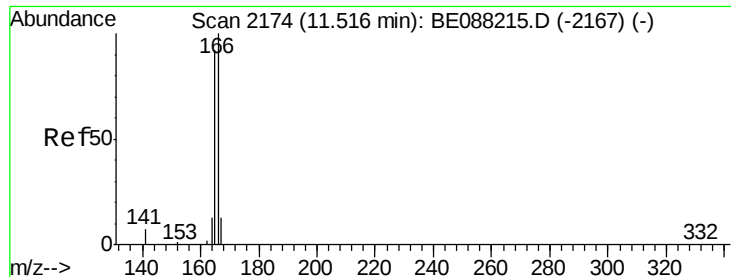
Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Tgt Ion:	154	Resp:	12689
Ion Ratio	Lower	Upper	
154	100		
153	403.1	326.0	489.0
152	194.9	155.6	233.4





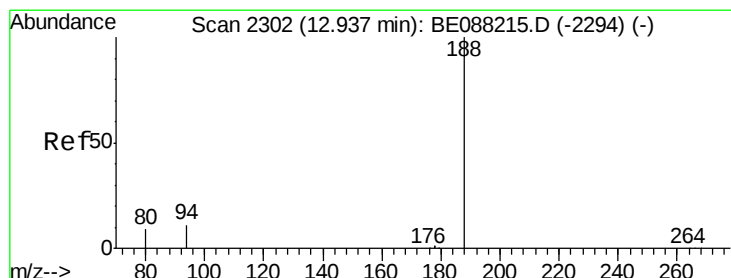
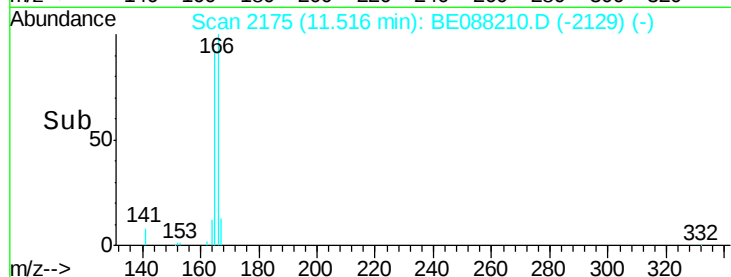
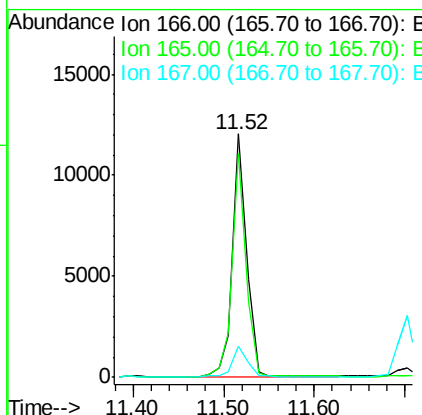
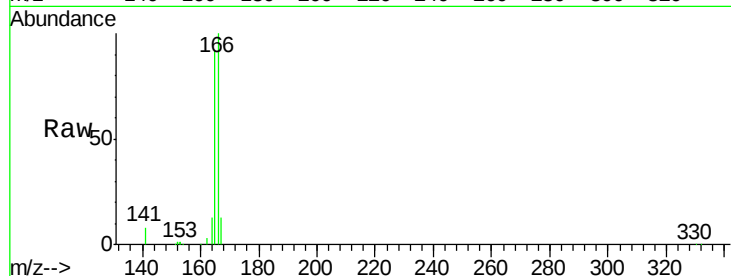
#11
Fluorene
 Concen: 0.53 ng
 RT: 11.52 min Scan# 2175
 Delta R.T. 0.00 min
 Lab File: BE088210.D
 Acq: 24 Oct 2014 13:46

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.8	71.8	107.6
167	13.2	10.7	16.1

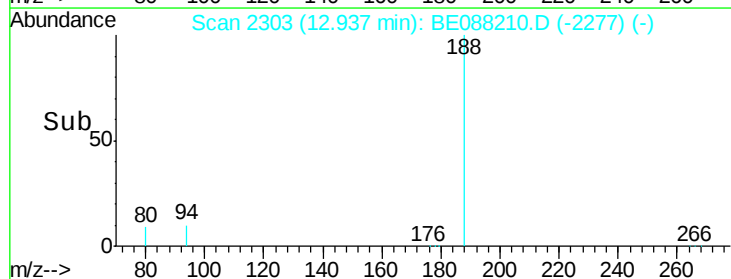
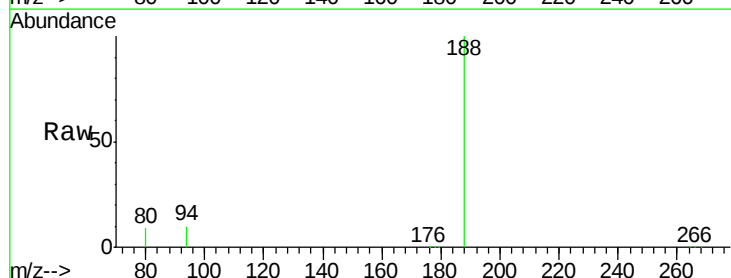
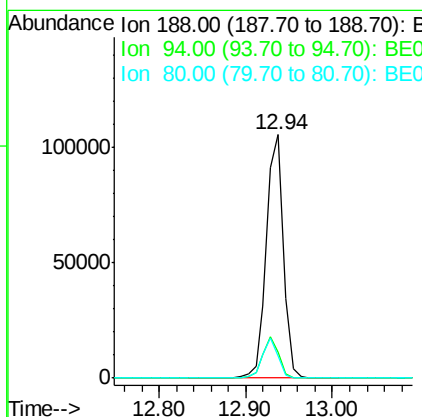
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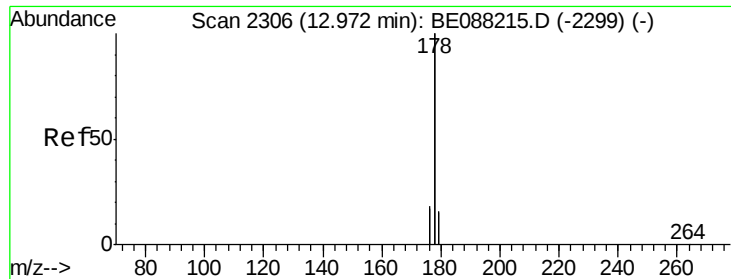
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.94 min Scan# 2303
 Delta R.T. 0.00 min
 Lab File: BE088210.D
 Acq: 24 Oct 2014 13:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	9.0	7.4	11.0





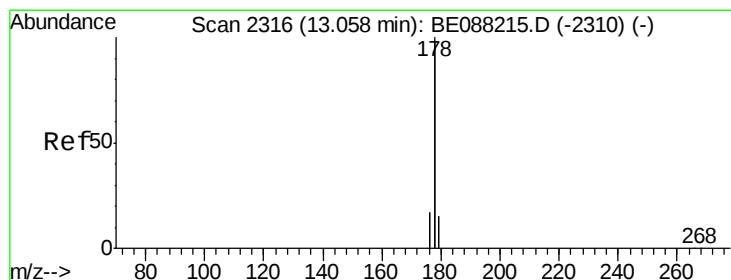
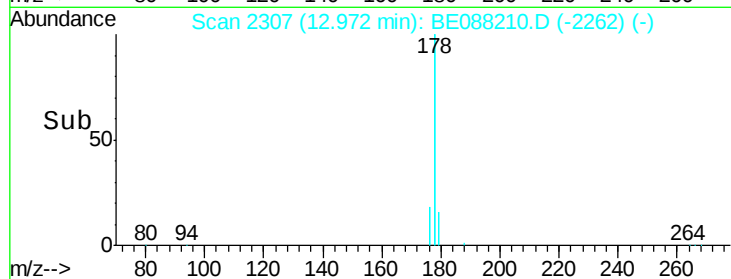
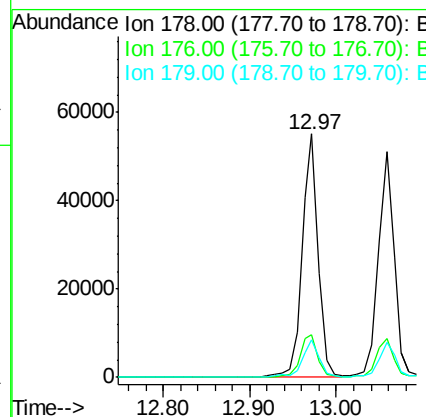
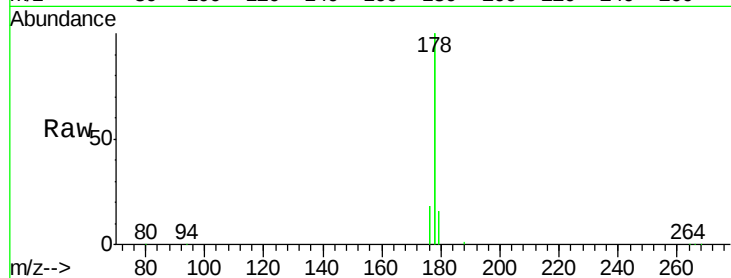
#13
Phenanthrene
Concen: 0.61 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.0	21.0
179	17.3	11.8	17.6

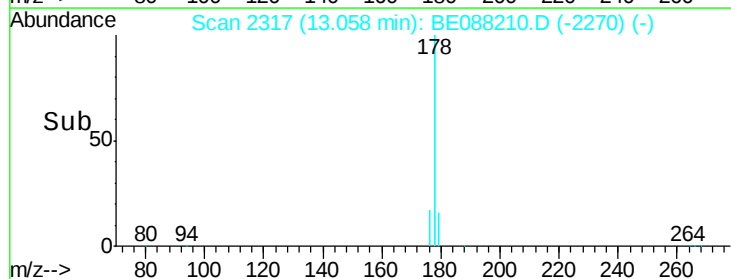
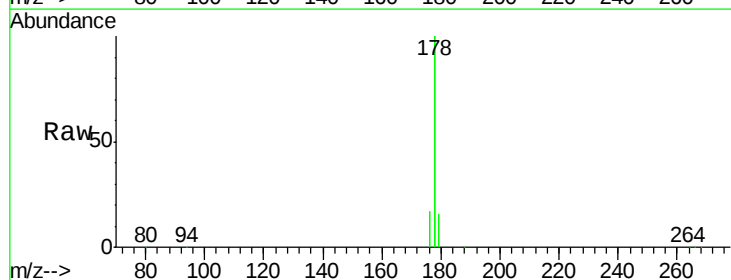
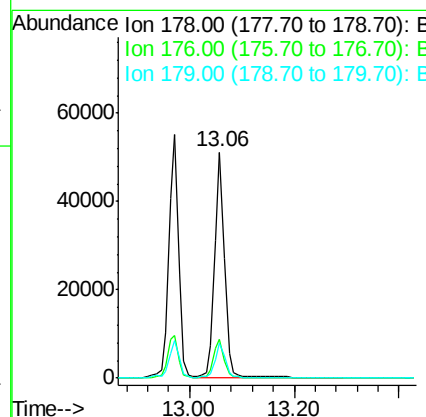
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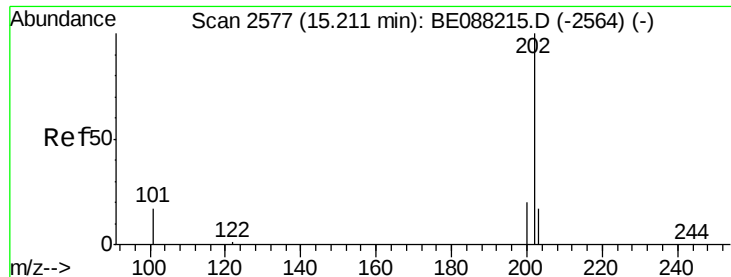
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#14
Anthracene
Concen: 0.52 ng
RT: 13.06 min Scan# 2317
Delta R.T. 0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.7	22.1
179	15.8	12.3	18.5





#15

Fluoranthene

Concen: 0.53 ng

RT: 15.21 min Scan# 2578

Delta R.T. -0.00 min

Lab File: BE088210.D

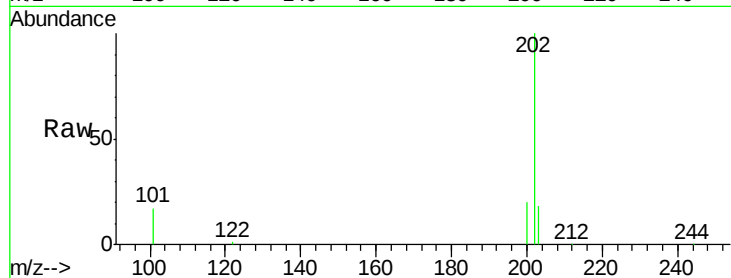
Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

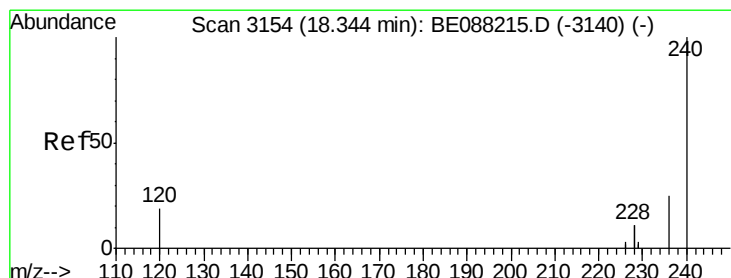
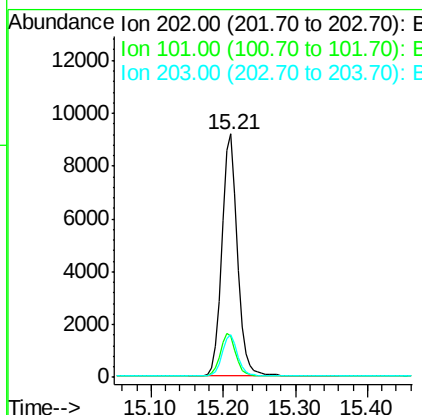
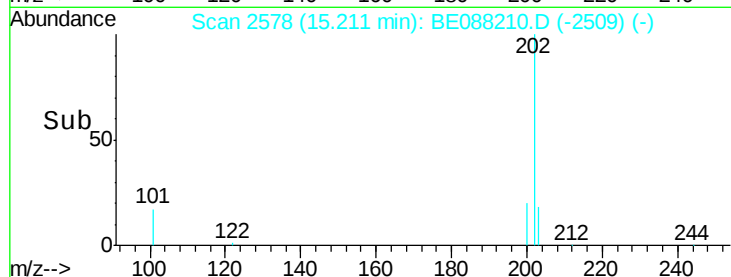
SSTDIC0.5



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	13711		
101	17.6		14.4	21.6
203	17.0		13.4	20.2

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#16

Chrysene-d12

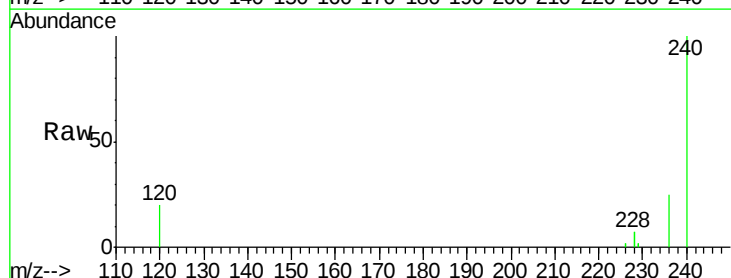
Concen: 5.00 ng

RT: 18.34 min Scan# 3155

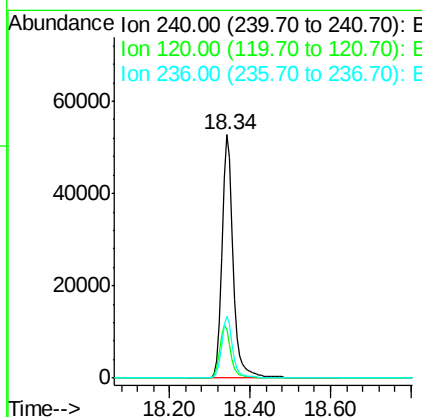
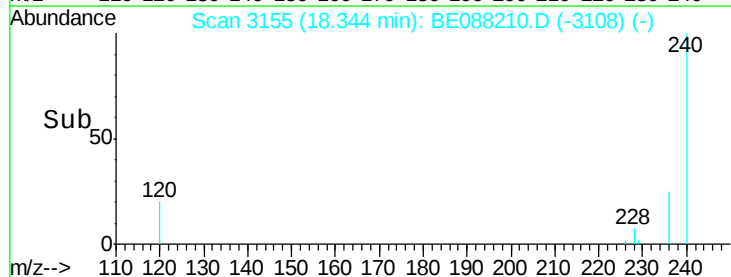
Delta R.T. -0.00 min

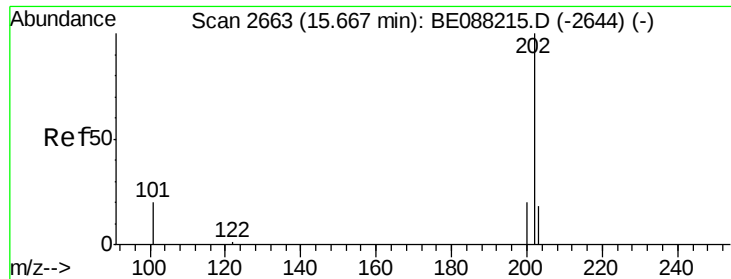
Lab File: BE088210.D

Acq: 24 Oct 2014 13:46



Tgt Ion	Ratio	Resp	Lower	Upper
240	100	101054		
120	20.4		15.1	22.7
236	25.5		20.1	30.1





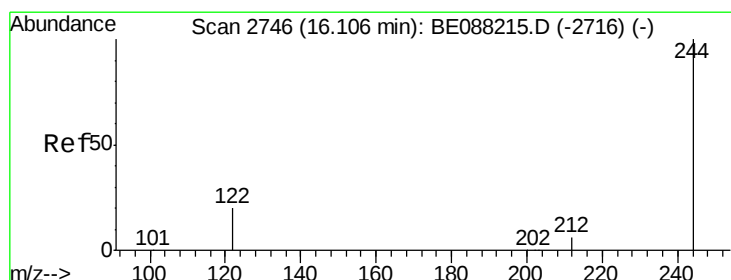
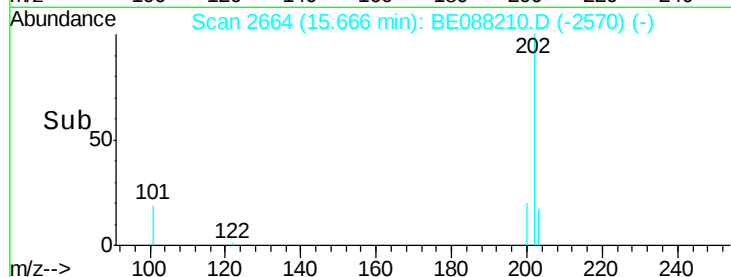
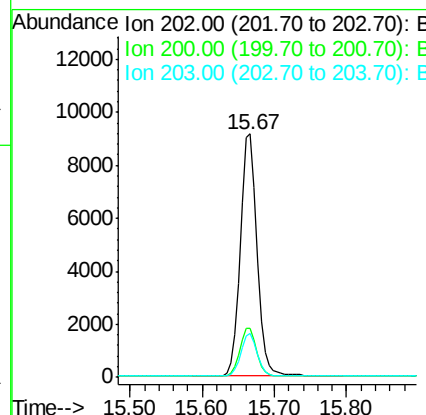
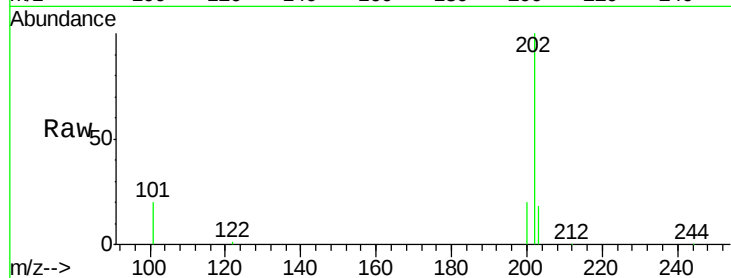
#17
 Pyrene
 Concen: 0.53 ng
 RT: 15.67 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: BE088210.D
 Acq: 24 Oct 2014 13:46

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.2	24.2
203	17.3	13.8	20.8

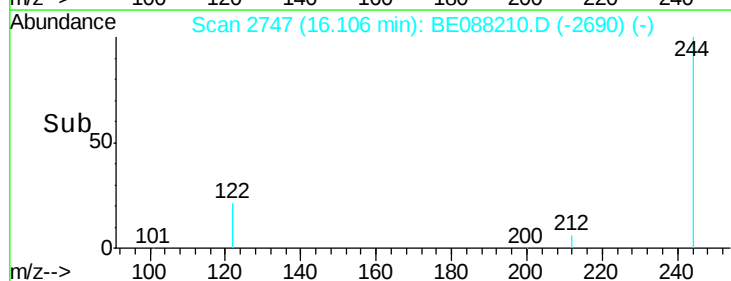
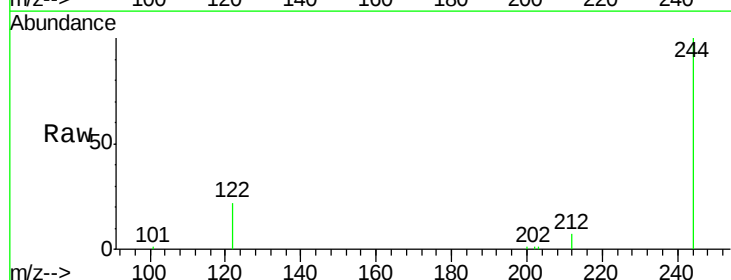
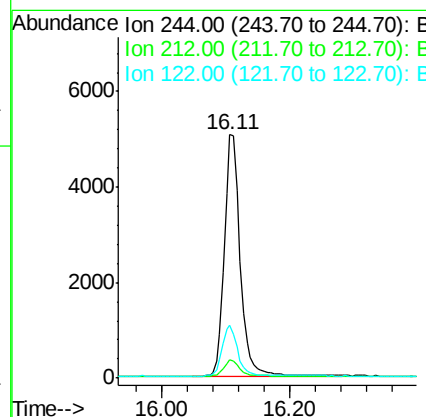
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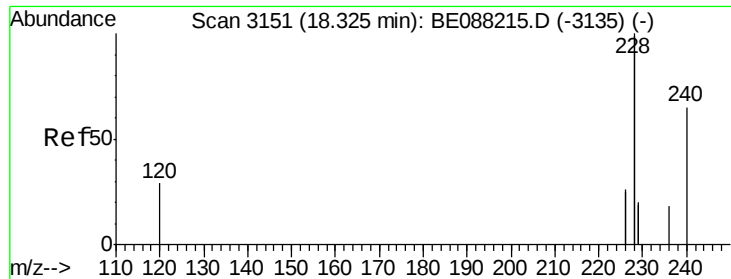
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#18
 Terphenyl-d14
 Concen: 0.52 ng
 RT: 16.11 min Scan# 2747
 Delta R.T. -0.00 min
 Lab File: BE088210.D
 Acq: 24 Oct 2014 13:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.2
122	21.9	16.7	25.1





#19

Benzo(a)anthracene

Concen: 0.50 ng

RT: 18.32 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

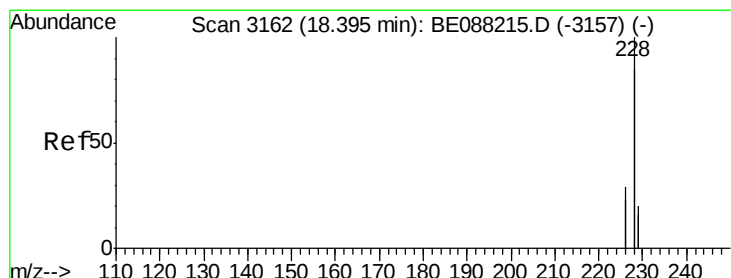
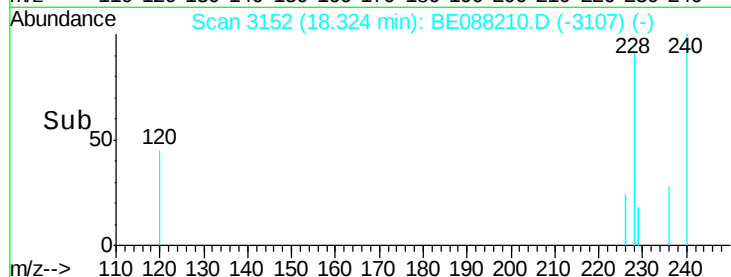
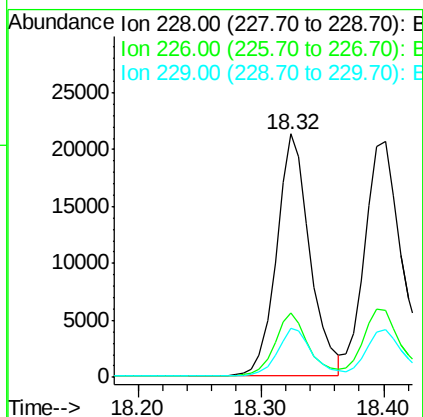
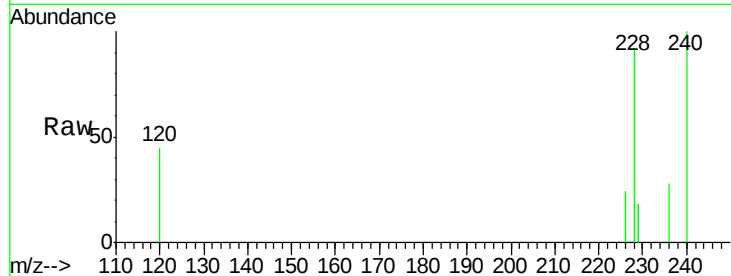
ClientSampleId :

SSTDICC0.5

Tgt Ion:	228	Resp:	39876
Ion Ratio	Lower	Upper	
228	100		
226	26.3	20.5	30.7
229	20.1	16.1	24.1

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#20

Chrysene

Concen: 0.52 ng

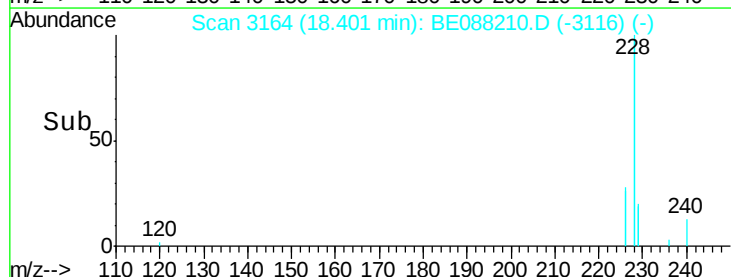
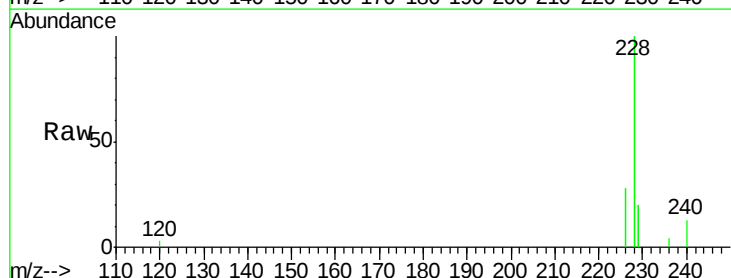
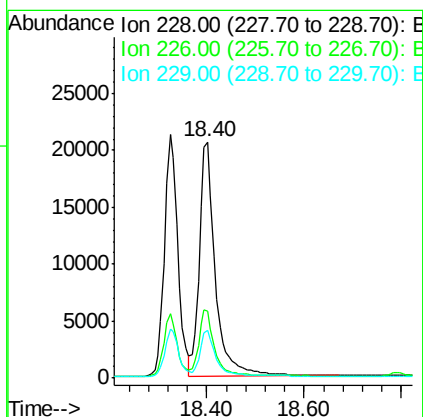
RT: 18.40 min Scan# 3164

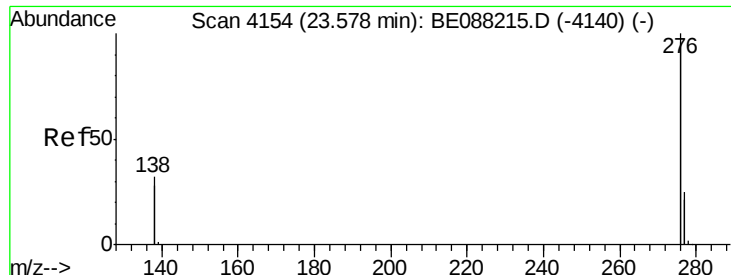
Delta R.T. 0.01 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Tgt Ion:	228	Resp:	46692
Ion Ratio	Lower	Upper	
228	100		
226	28.1	23.3	34.9
229	20.3	15.6	23.4





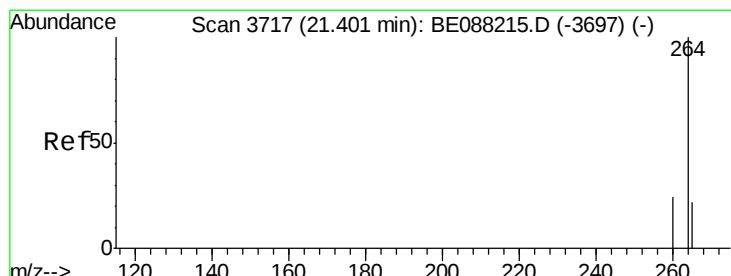
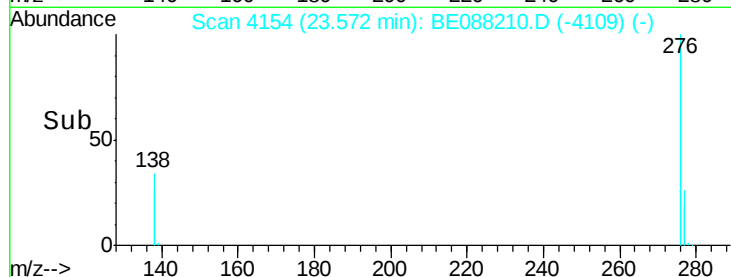
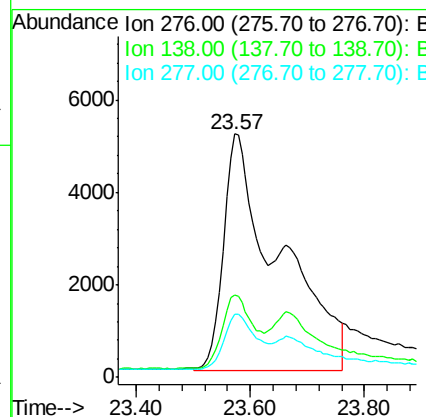
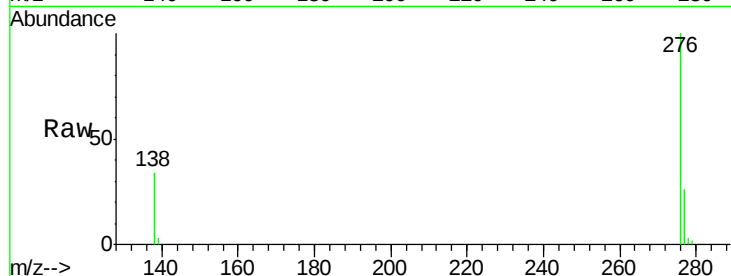
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.44 ng m
RT: 23.57 min Scan# 4154
Delta R.T. -0.01 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.5	13.9	20.9
277	13.3	10.7	16.1

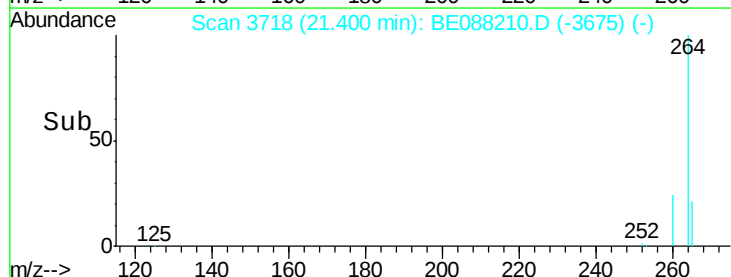
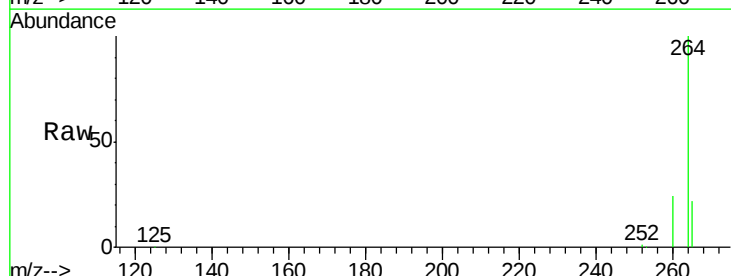
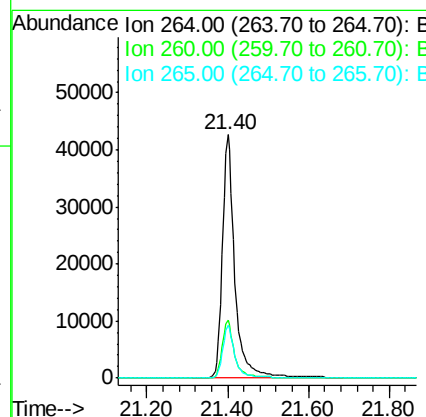
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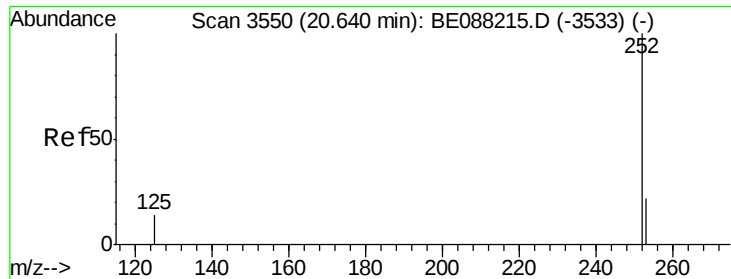
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.40 min Scan# 3718
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	21.6	17.4	26.2





#23

Benzo(b)fluoranthene

Concen: 0.48 ng

RT: 20.64 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

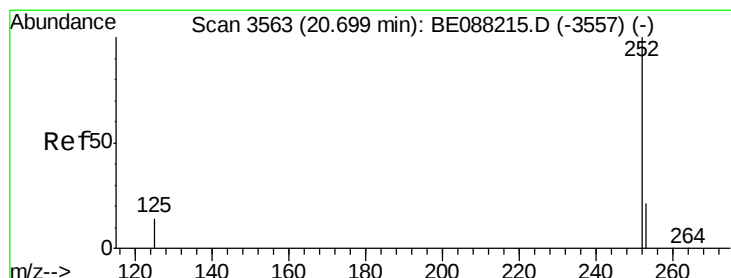
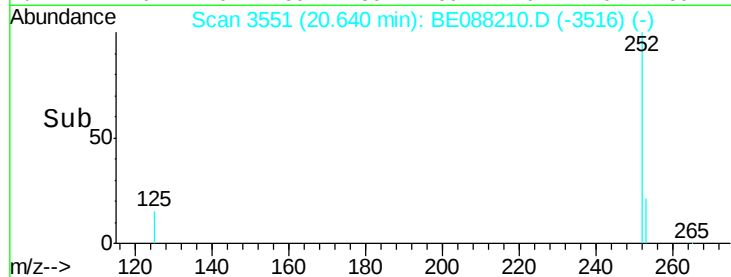
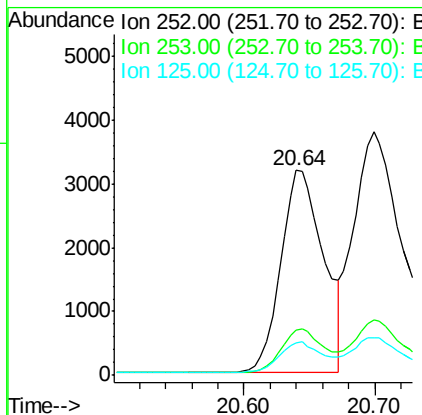
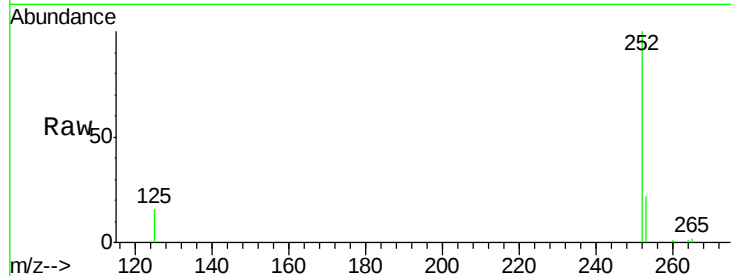
ClientSampleId :

SSTDIC0.5

Tgt Ion:	252	Resp:	7211
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.9	26.9
125	16.1	12.2	18.2

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#24

Benzo(k)fluoranthene

Concen: 0.52 ng

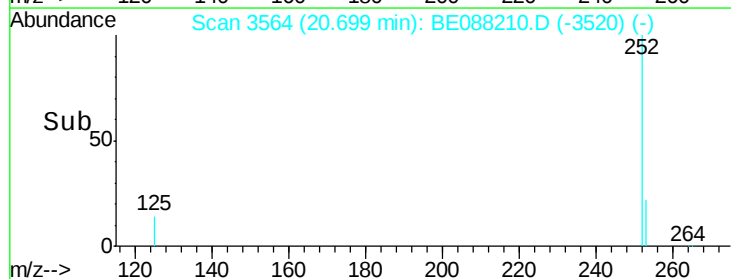
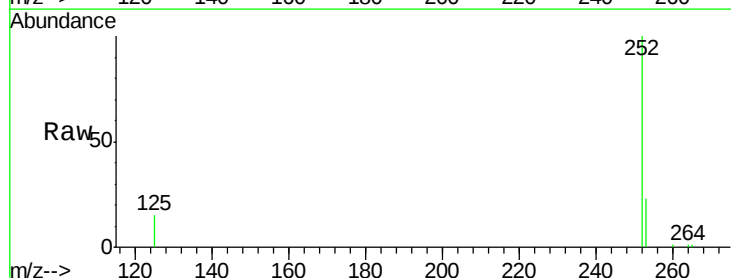
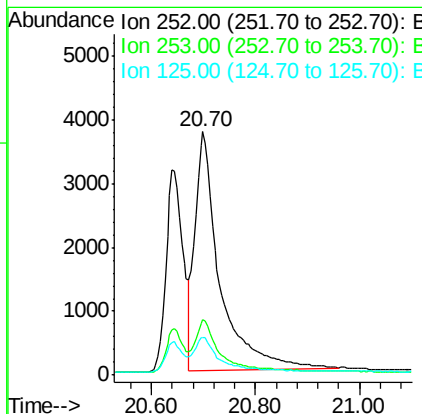
RT: 20.70 min Scan# 3564

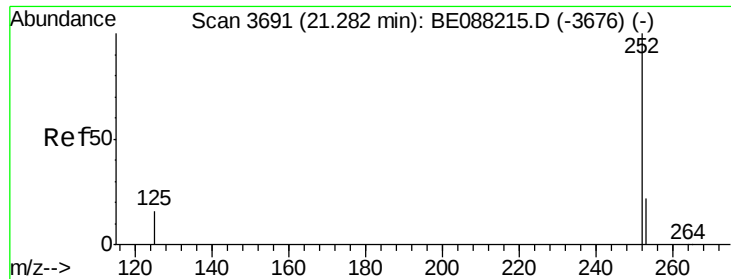
Delta R.T. -0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Tgt Ion:	252	Resp:	12419
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.6	26.4
125	15.2	12.1	18.1





#25

Benzo(a)pyrene

Concen: 0.48 ng

RT: 21.28 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BE088210.D

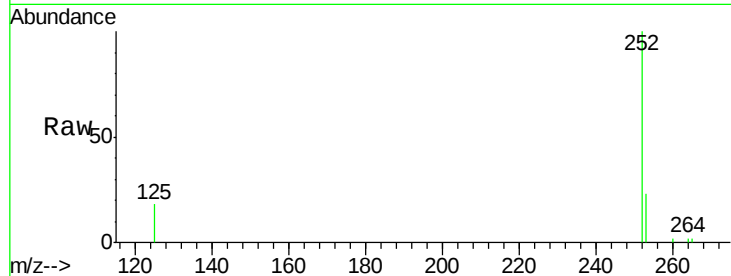
Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

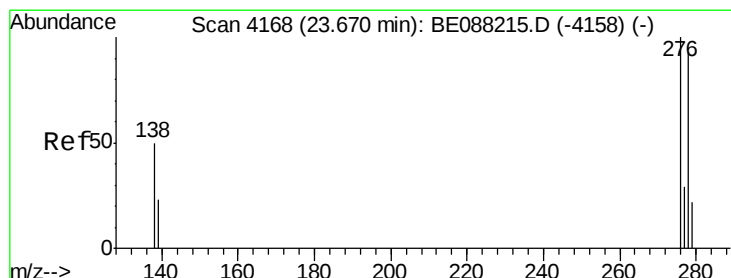
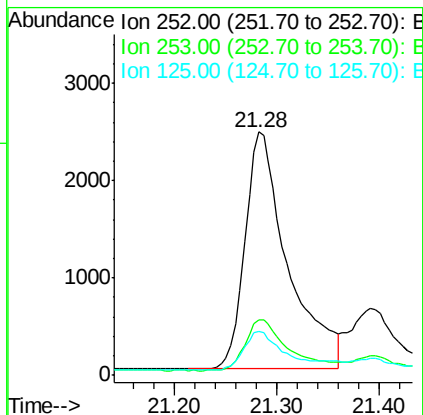
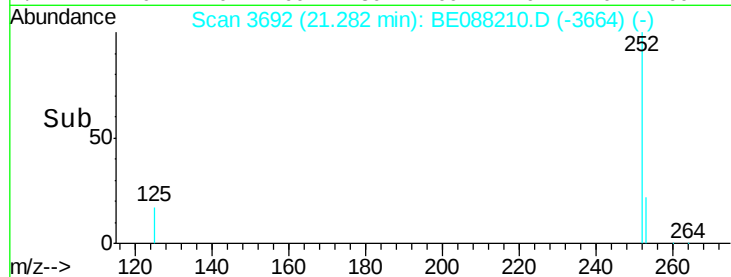
SSTDIC0.5



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	18.2	13.5	20.3

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#26

Dibenzo(a,h)anthracene

Concen: 0.47 ng

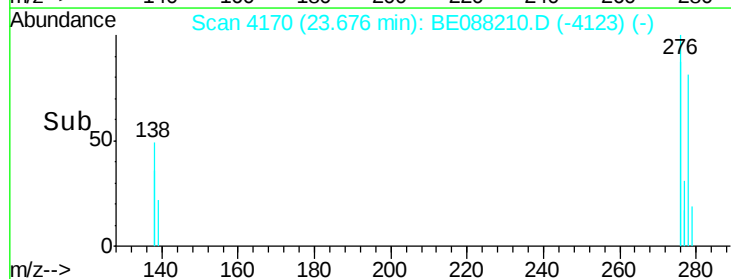
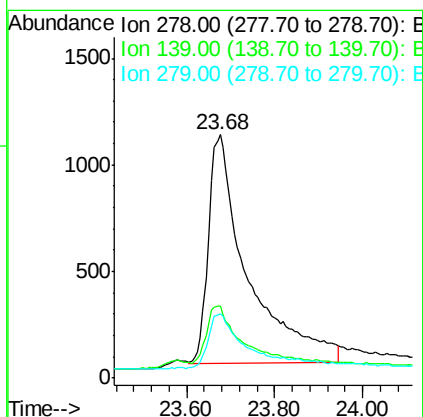
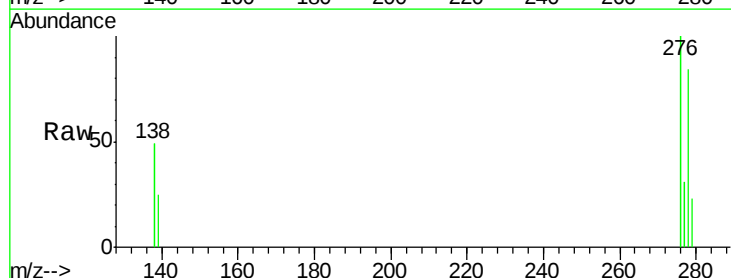
RT: 23.68 min Scan# 4170

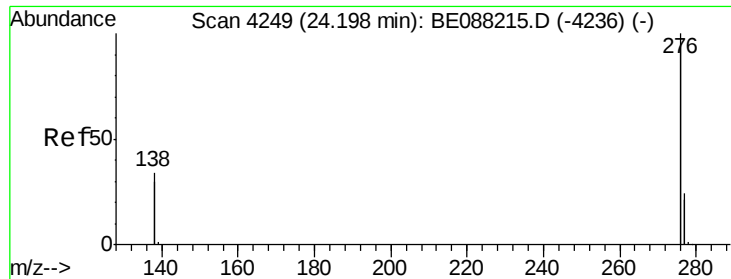
Delta R.T. 0.01 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

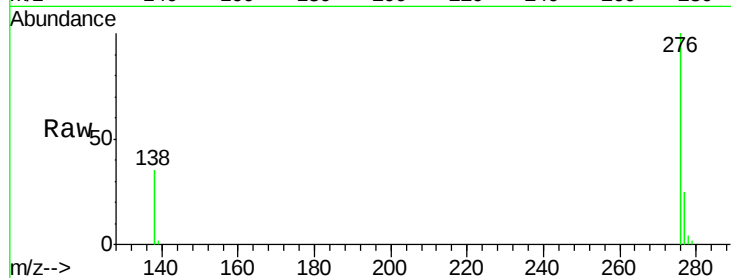
Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.9	22.1	33.1
279	26.7	20.2	30.2





#27
 Benzo(g,h,i)perylene
 Concen: 0.50 ng
 RT: 24.20 min Scan# 4250
 Delta R.T. 0.00 min
 Lab File: BE088210.D
 Acq: 24 Oct 2014 13:46

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5



Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.2
138	35.1	27.3	40.9

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