

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088117.D
 Acq On : 20 Oct 2014 20:42
 Operator : TP/JJ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Manual Integrations
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Quant Time: Oct 21 02:02:01 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 01:52:35 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	55040	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	207410	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	92812	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	165479	5.00	ng	0.00
16) Chrysene-d12	18.39	240	124071	5.00	ng	0.00
22) Perylene-d12	21.45	264	113013	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	7614	0.61	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	13420	0.52	ng	0.00
18) Terphenyl-d14	16.15	244	10356	0.54	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.41	88	4007	0.51	ng	100
5) Naphthalene	8.72	128	22219	0.53	ng	100
6) 2-Methylnaphthalene	9.58	142	13393	0.54	ng	100
9) Acenaphthylene	10.67	152	74013	0.56	ng	100
10) Acenaphthene	10.88	154	11173	0.52	ng	99
11) Fluorene	11.55	166	12106	0.55	ng	99
13) Phenanthrene	13.01	178	86593	0.56	ng	96
14) Anthracene	13.09	178	67969	0.50	ng	99
15) Fluoranthene	15.25	202	16274	0.50	ng	100
17) Pyrene	15.70	202	17285	0.54	ng	100
19) Benzo(a)anthracene	18.36	228	54971	0.58	ng	100
20) Chrysene	18.44	228	55042	0.48	ng	99
21) Indeno(1,2,3-cd)pyrene	23.64	276	56759m	0.60	ng	
23) Benzo(b)fluoranthene	20.68	252	13616	0.64	ng	99
24) Benzo(k)fluoranthene	20.74	252	14612	0.50	ng	99
25) Benzo(a)pyrene	21.32	252	12565	0.69	ng	100
26) Dibenzo(a,h)anthracene	23.73	278	12192	0.63	ng	99
27) Benzo(g,h,i)perylene	24.26	276	53734	0.58	ng	100

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

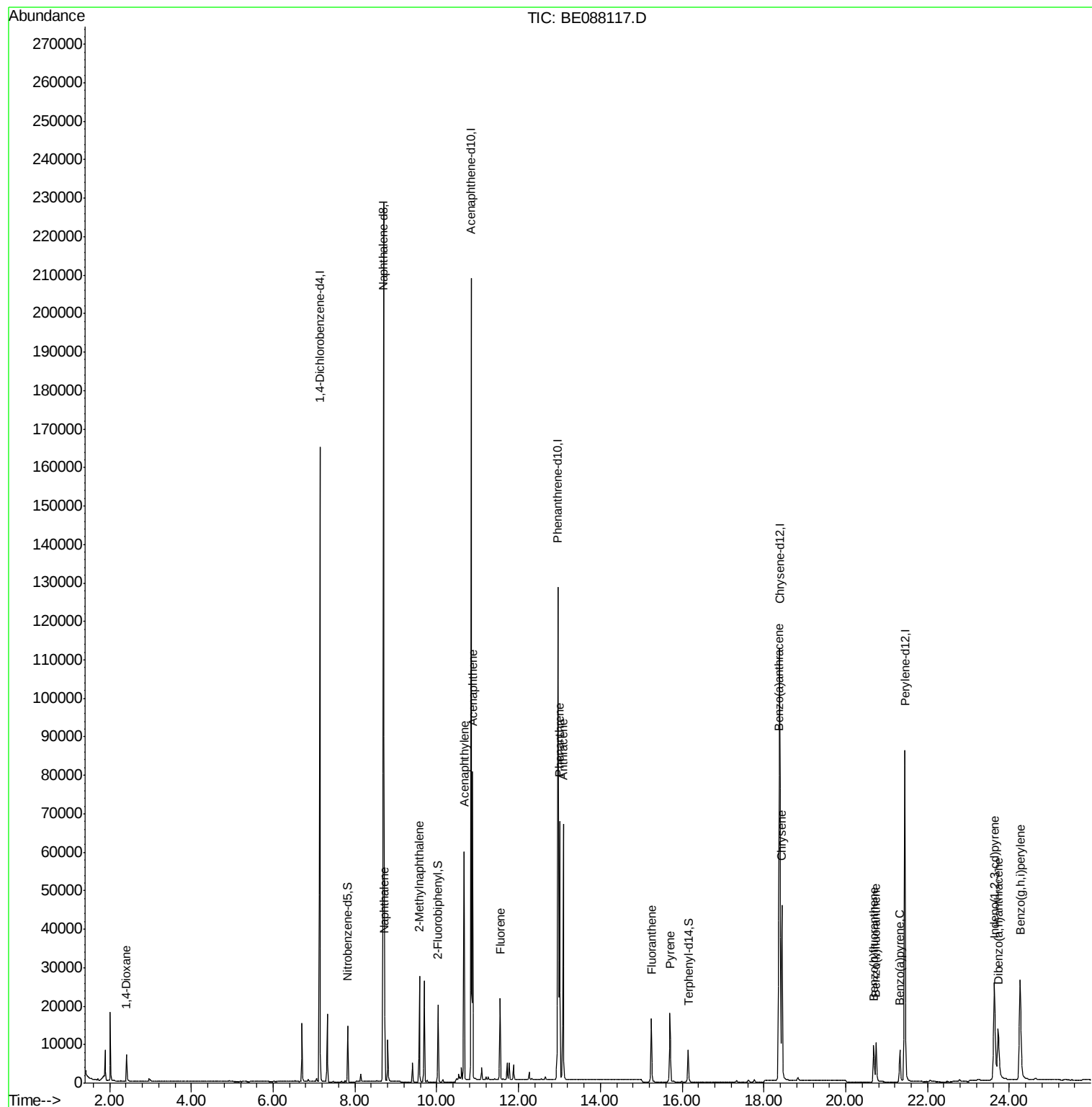
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088117.D

Acq: 20 Oct 2014 20:42

Instrument :

BNA_E

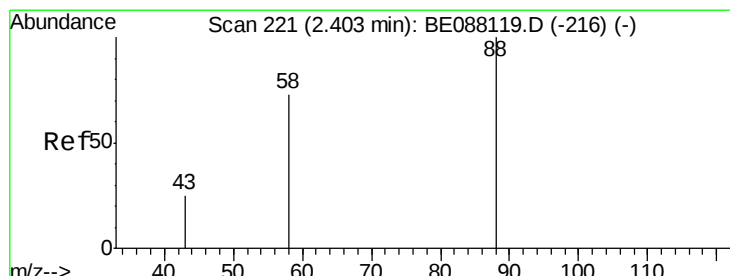
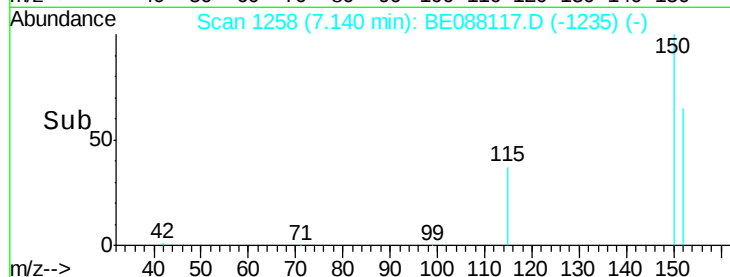
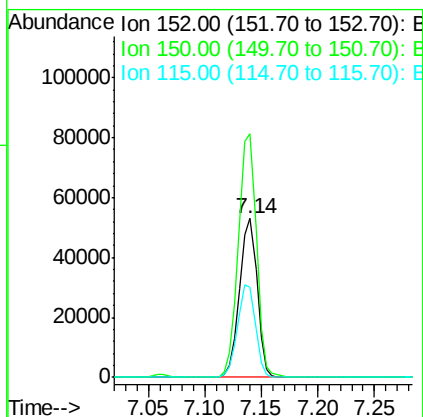
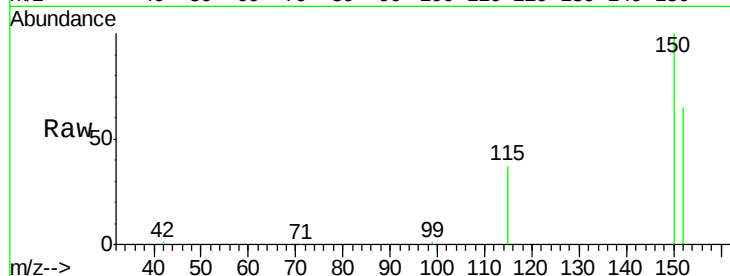
ClientSampleId :

SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.2	129.2	193.8
115	56.4	49.3	73.9

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#2

1,4-Dioxane

Concen: 0.51 ng

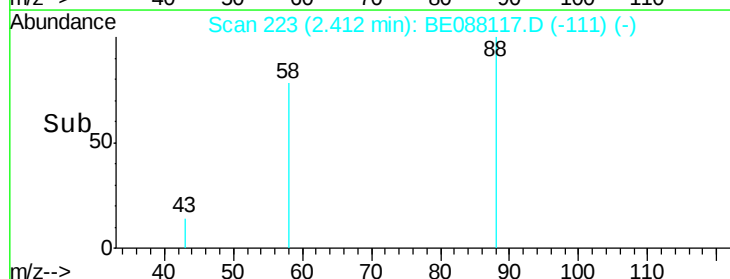
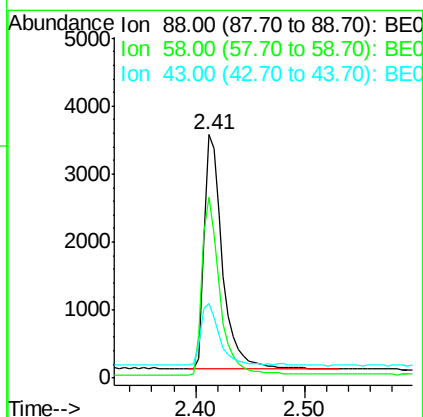
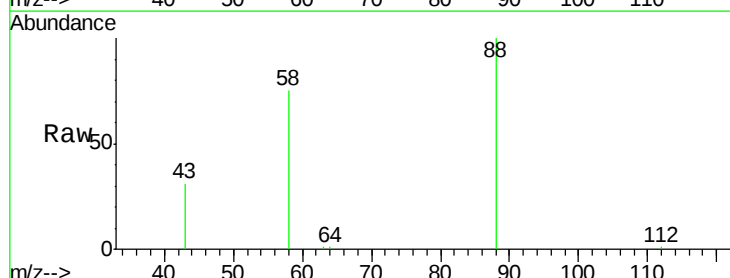
RT: 2.41 min Scan# 223

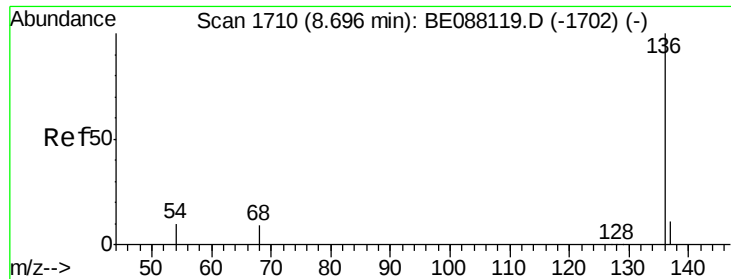
Delta R.T. 0.01 min

Lab File: BE088117.D

Acq: 20 Oct 2014 20:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.9	59.5	89.3
43	26.5	21.2	31.8





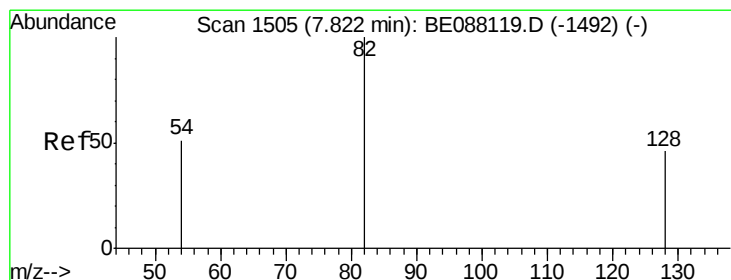
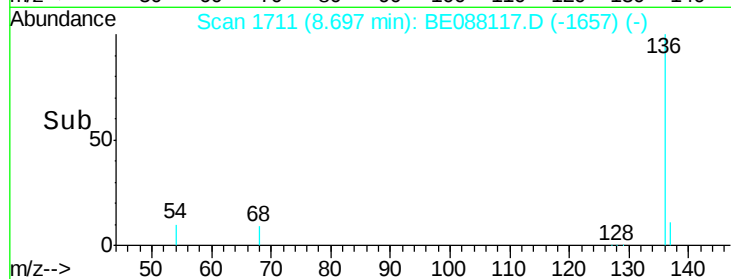
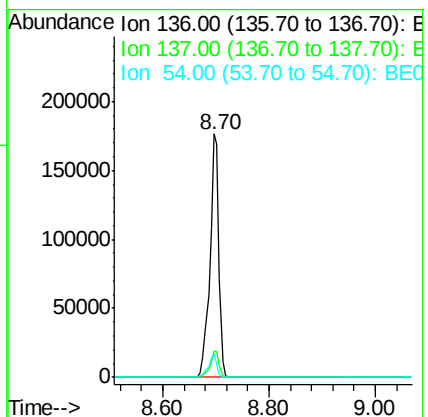
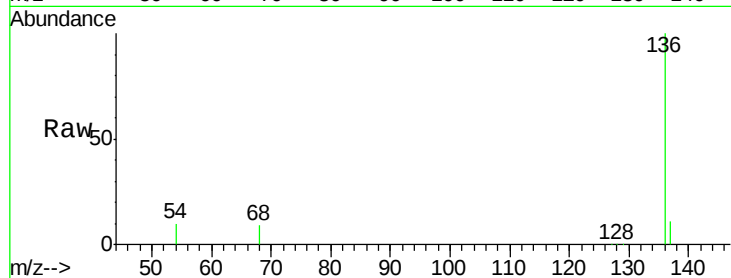
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088117.D
Acq: 20 Oct 2014 20:42

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	207410		
137	10.7	8.6	12.8	
54	9.7	7.7	11.5	

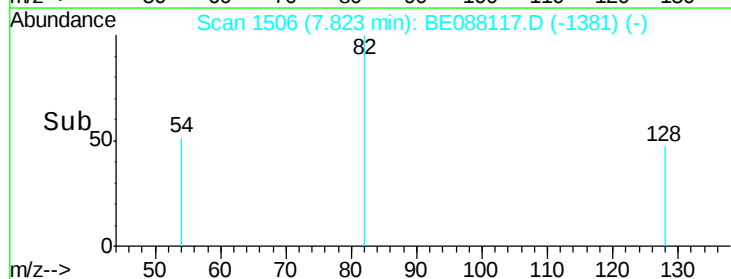
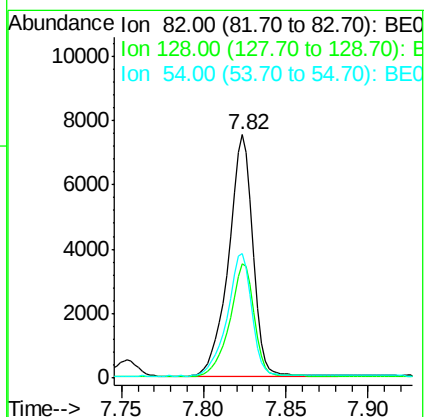
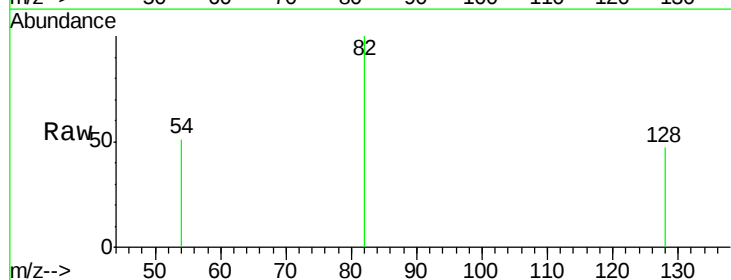
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#4
Nitrobenzene-d5
Concen: 0.61 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088117.D
Acq: 20 Oct 2014 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	7614		
128	46.8	37.1	55.7	
54	51.0	41.1	61.7	





#5

Naphthalene

Concen: 0.53 ng

RT: 8.72 min Scan# 1716

Delta R.T. 0.00 min

Lab File: BE088117.D

Acq: 20 Oct 2014 20:42

Instrument :

BNA_E

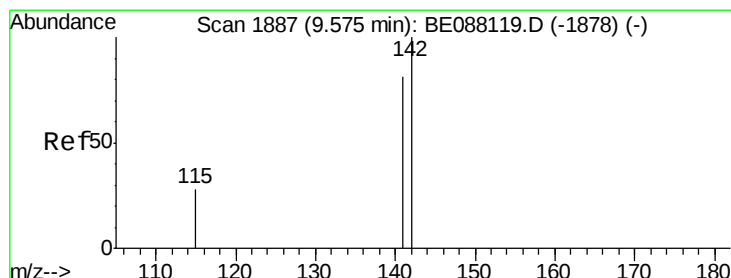
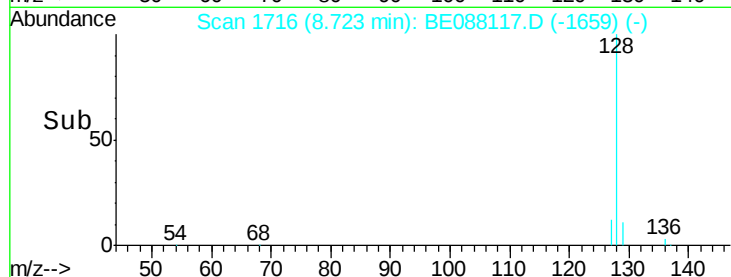
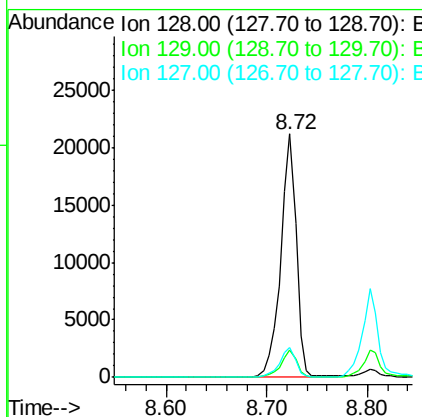
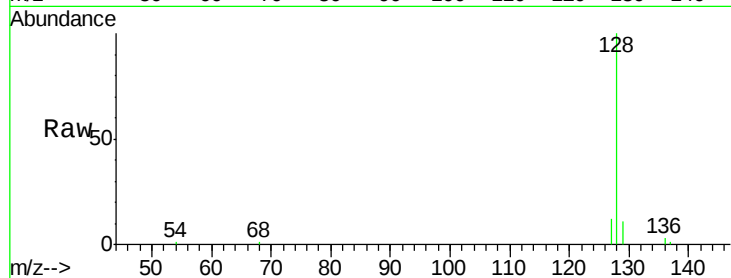
ClientSampleId :

SSTDICC0.5

Tgt Ion:	128	Resp:	22219
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.9	13.3
127	12.3	9.7	14.5

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#6

2-Methylnaphthalene

Concen: 0.54 ng

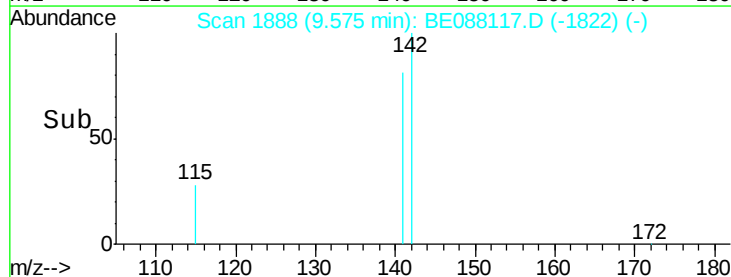
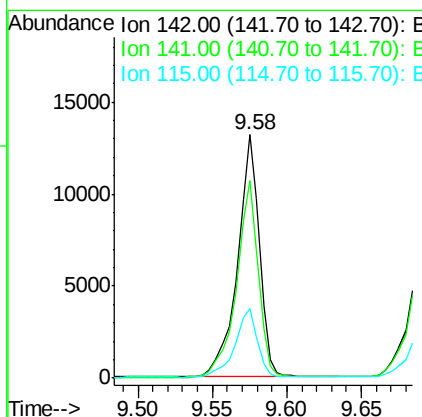
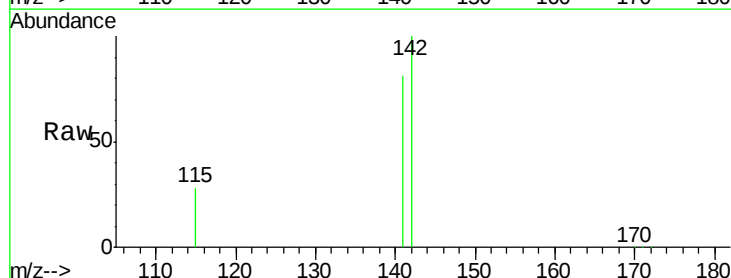
RT: 9.58 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BE088117.D

Acq: 20 Oct 2014 20:42

Tgt Ion:	142	Resp:	13393
Ion Ratio	Lower	Upper	
142	100		
141	81.0	64.6	97.0
115	28.3	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BE088117.D

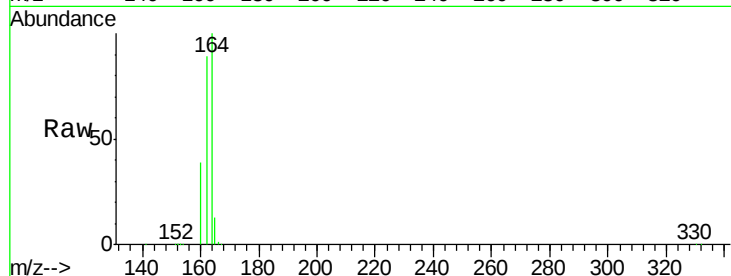
Acq: 20 Oct 2014 20:42

Instrument :

BNA_E

ClientSampleId :

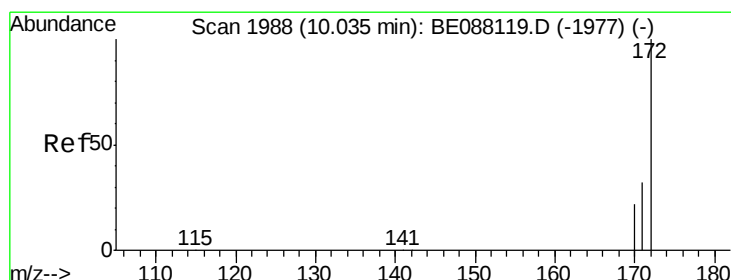
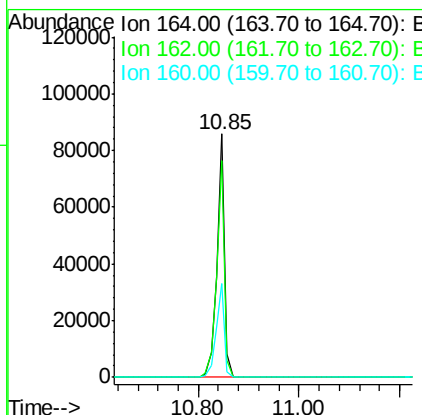
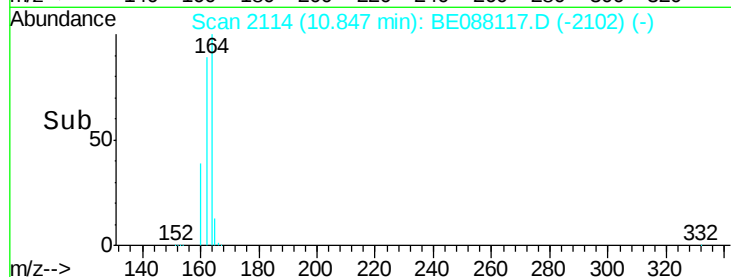
SSTDICC0.5



Tgt Ion:	164	Resp:	92812
Ion Ratio	Lower	Upper	
164	100		
162	89.2	68.3	102.5
160	38.8	28.7	43.1

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#8

2-Fluorobiphenyl

Concen: 0.52 ng

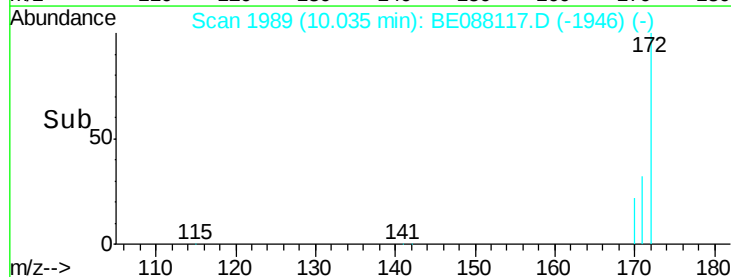
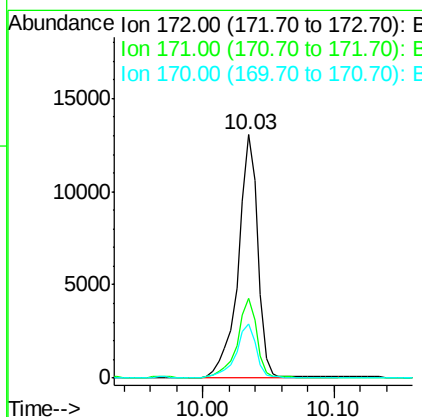
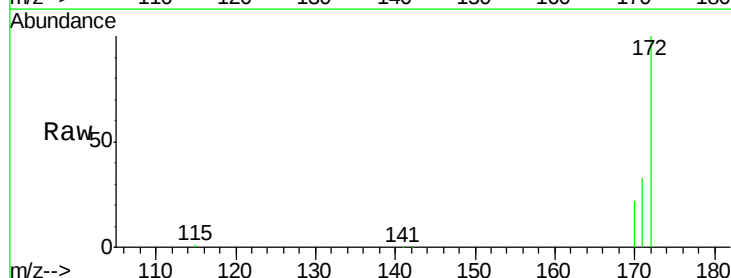
RT: 10.03 min Scan# 1989

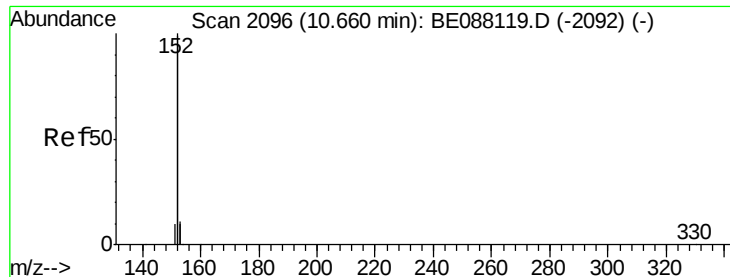
Delta R.T. 0.00 min

Lab File: BE088117.D

Acq: 20 Oct 2014 20:42

Tgt Ion:	172	Resp:	13420
Ion Ratio	Lower	Upper	
172	100		
171	32.7	25.4	38.2
170	22.2	17.4	26.2





#9

Acenaphthylene

Concen: 0.56 ng

RT: 10.67 min Scan# 2098

Delta R.T. 0.01 min

Lab File: BE088117.D

Acq: 20 Oct 2014 20:42

Instrument :

BNA_E

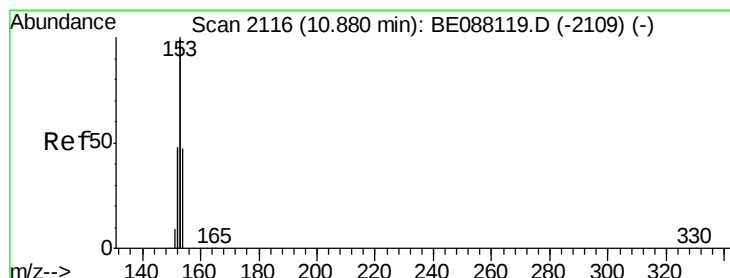
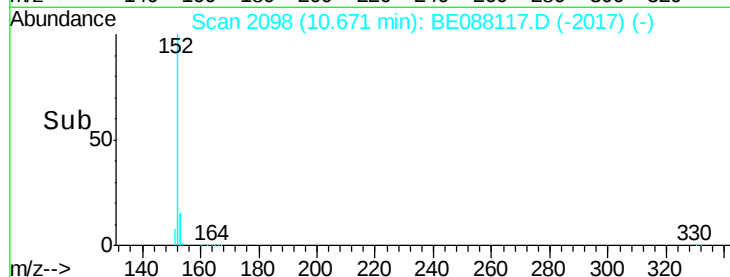
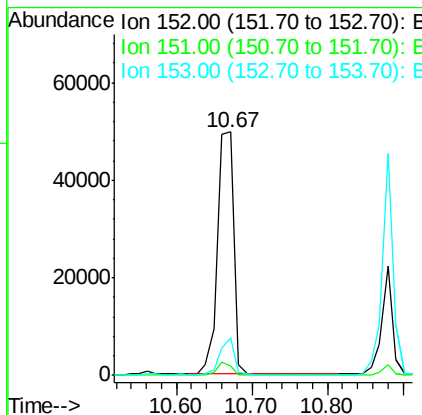
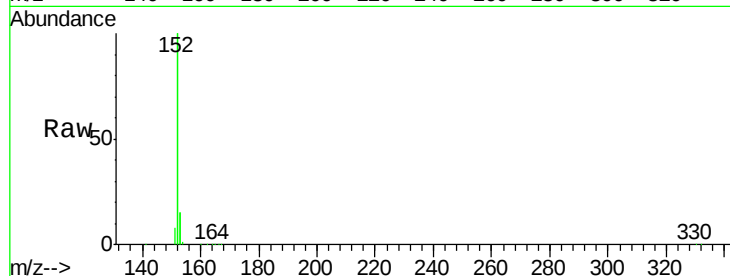
ClientSampleId :

SSTDIC0.5

Tgt Ion:	152	Resp:	74013
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	13.0	10.4	15.6

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#10

Acenaphthene

Concen: 0.52 ng

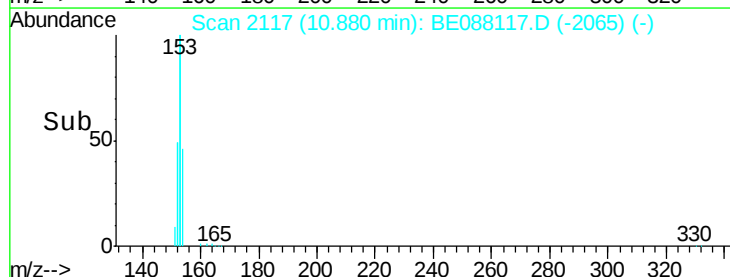
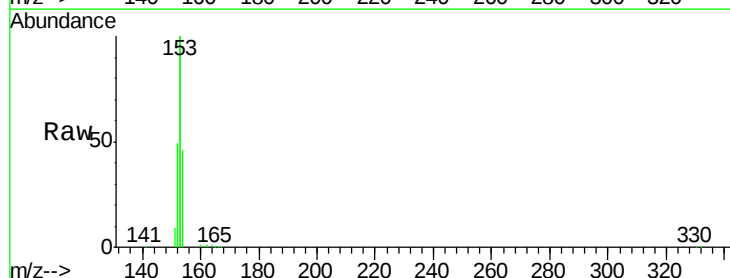
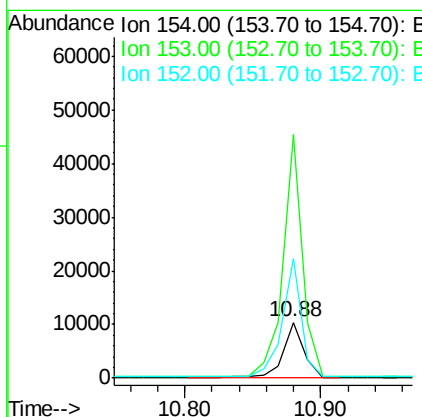
RT: 10.88 min Scan# 2117

Delta R.T. 0.00 min

Lab File: BE088117.D

Acq: 20 Oct 2014 20:42

Tgt Ion:	154	Resp:	11173
Ion Ratio	Lower	Upper	
154	100		
153	407.7	327.8	491.6
152	196.9	157.6	236.4





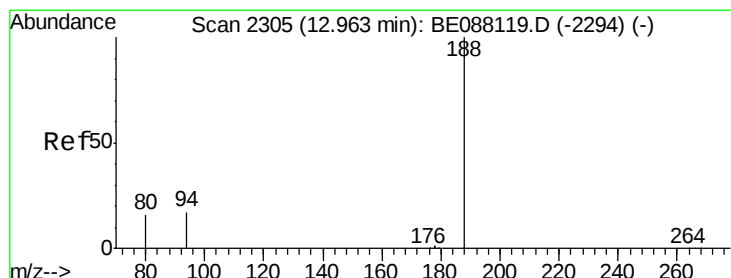
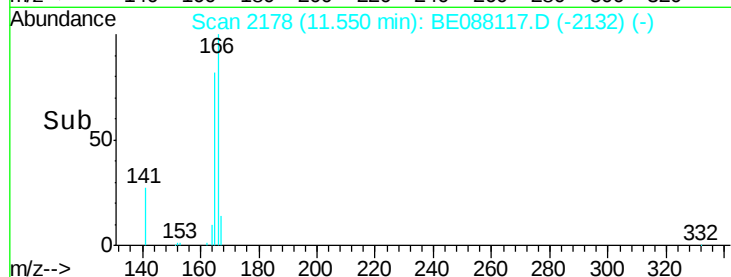
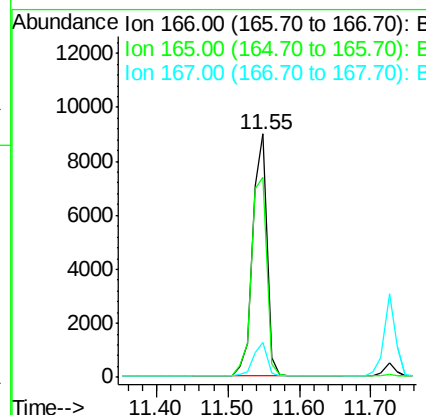
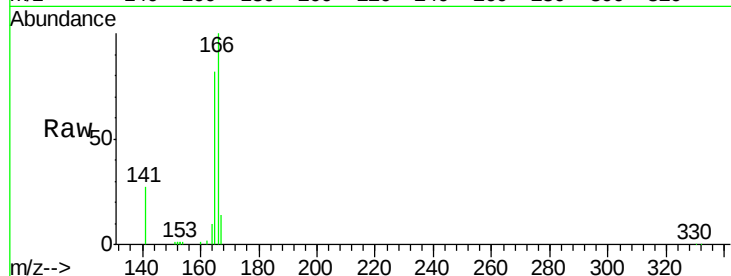
#11
Fluorene
 Concen: 0.55 ng
 RT: 11.55 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: BE088117.D
 Acq: 20 Oct 2014 20:42

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.9	71.4	107.2
167	13.4	10.6	16.0

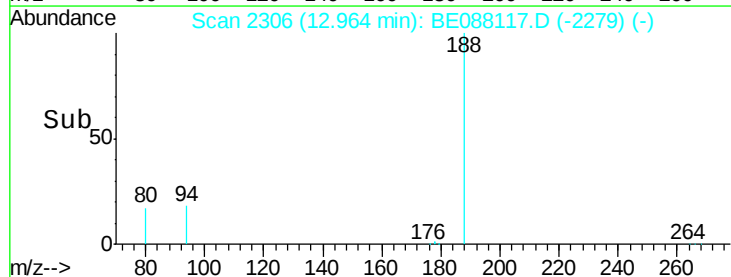
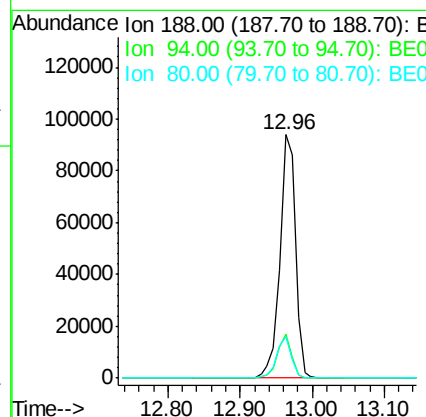
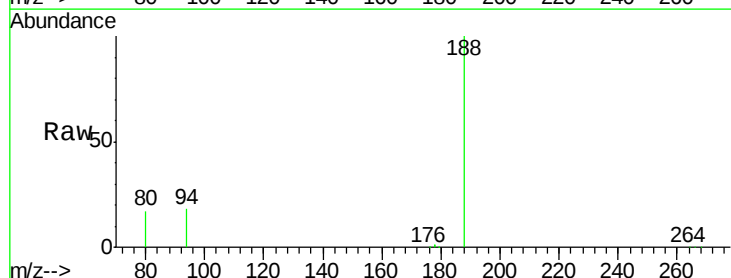
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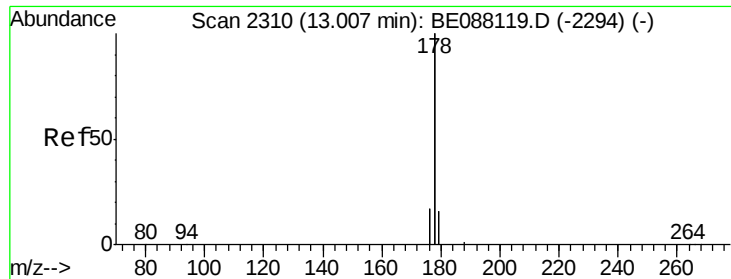
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2306
 Delta R.T. 0.00 min
 Lab File: BE088117.D
 Acq: 20 Oct 2014 20:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	18.0	13.9	20.9
80	17.0	12.9	19.3





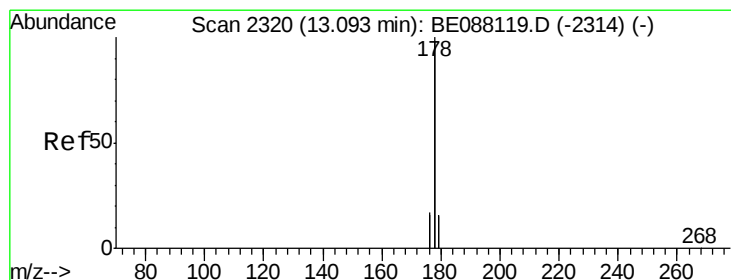
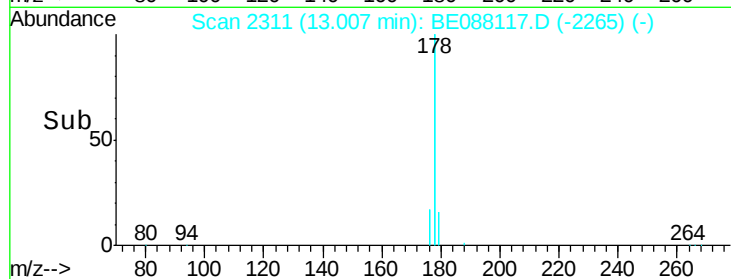
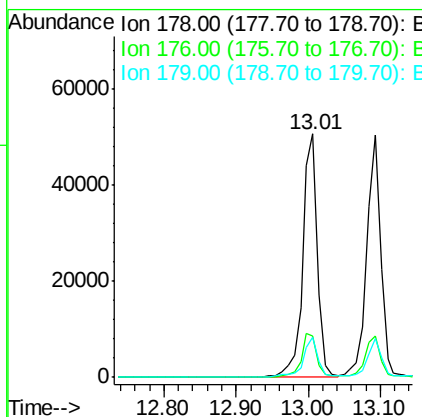
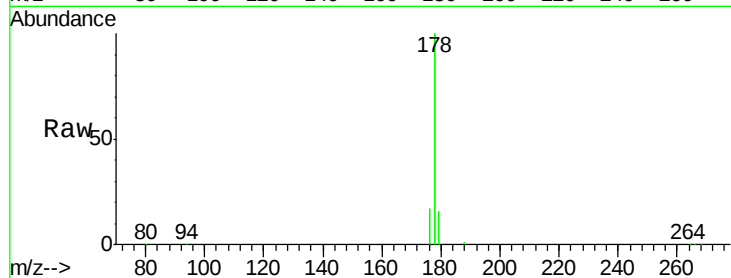
#13
Phenanthrene
Concen: 0.56 ng
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088117.D
Acq: 20 Oct 2014 20:42

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.7	12.5	18.7
179	13.6	13.5	20.3

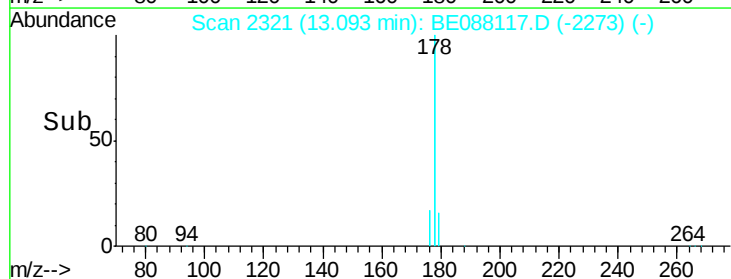
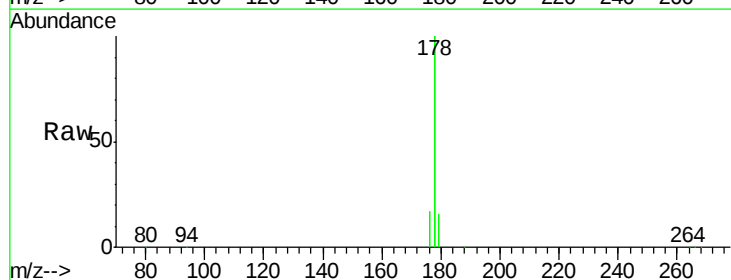
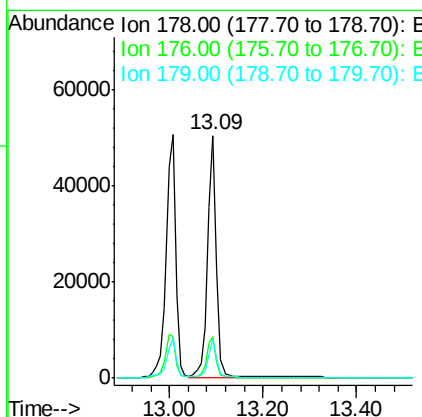
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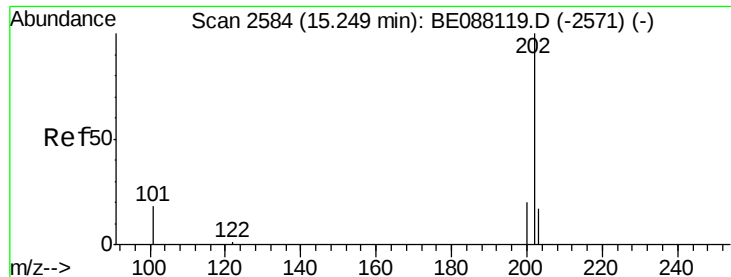
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#14
Anthracene
Concen: 0.50 ng
RT: 13.09 min Scan# 2321
Delta R.T. 0.00 min
Lab File: BE088117.D
Acq: 20 Oct 2014 20:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	15.7	12.5	18.7





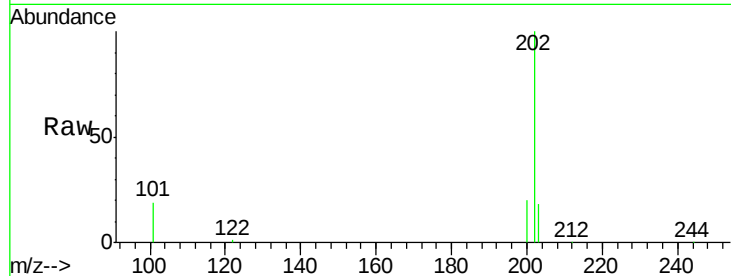
#15
Fluoranthene
Concen: 0.50 ng
RT: 15.25 min Scan# 2585
Delta R.T. -0.00 min
Lab File: BE088117.D
Acq: 20 Oct 2014 20:42

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

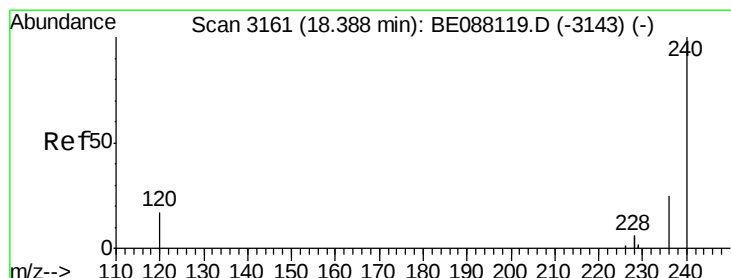
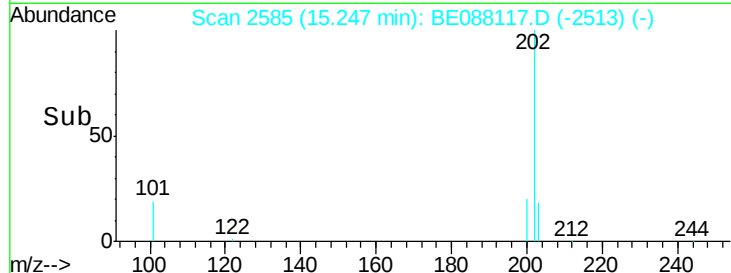
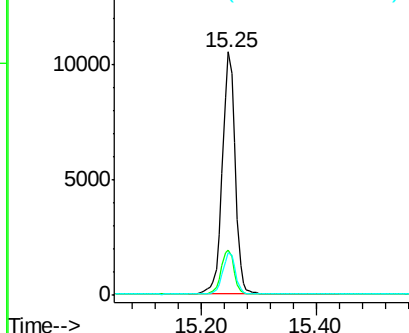
Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.5	14.8	22.2
203	17.2	13.5	20.3

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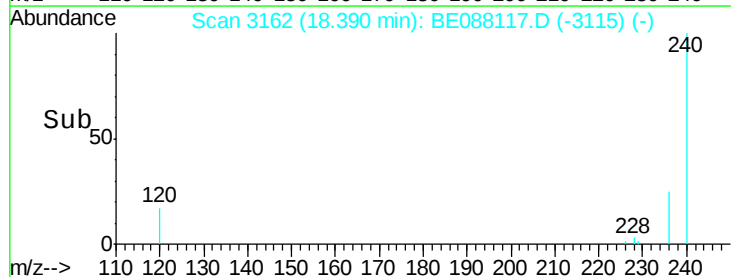
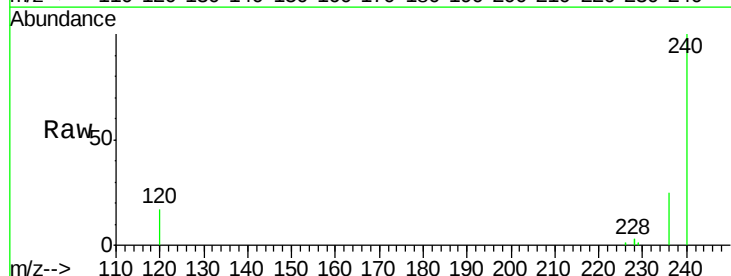
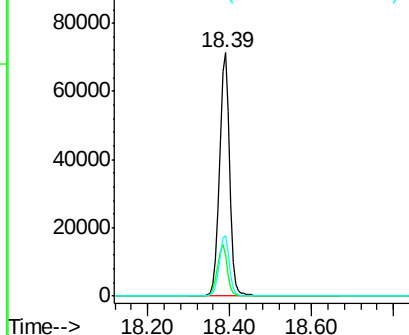
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

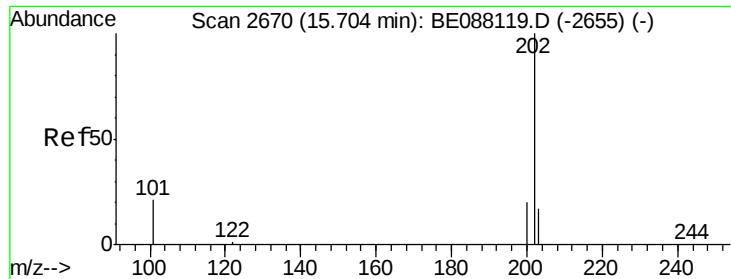


#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.39 min Scan# 3162
Delta R.T. 0.00 min
Lab File: BE088117.D
Acq: 20 Oct 2014 20:42

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.0	13.9	20.9
236	25.0	19.9	29.9

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





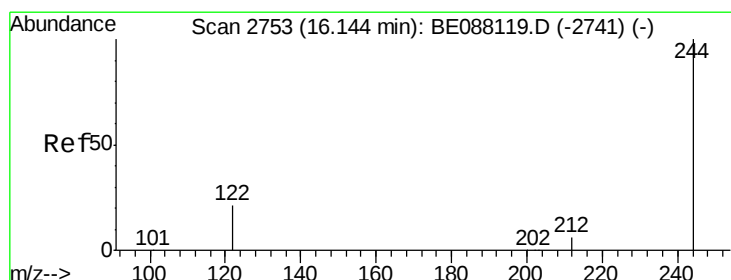
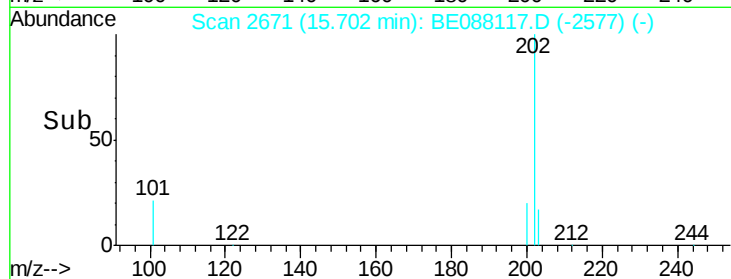
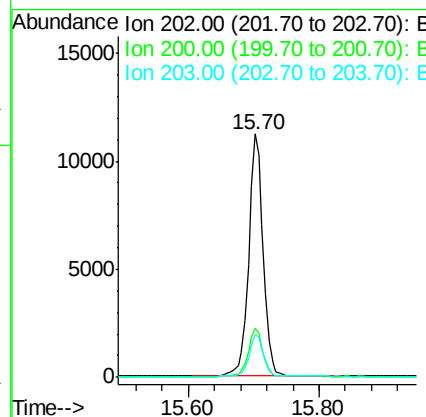
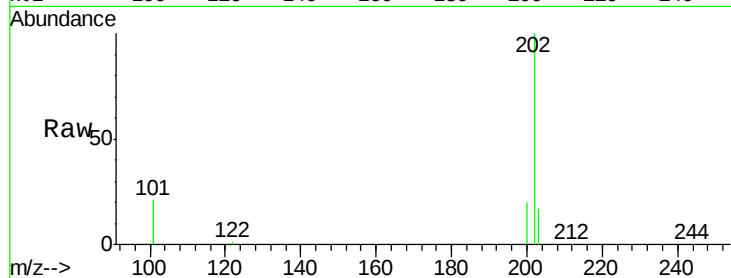
#17
 Pyrene
 Concen: 0.54 ng
 RT: 15.70 min Scan# 2671
 Delta R.T. -0.00 min
 Lab File: BE088117.D
 Acq: 20 Oct 2014 20:42

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	17285		
200	20.0	16.1	24.1	
203	17.3	13.9	20.9	

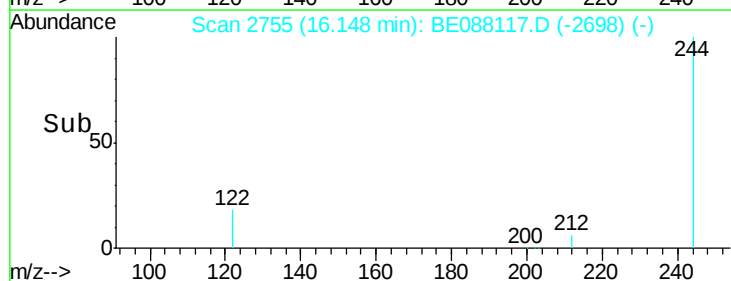
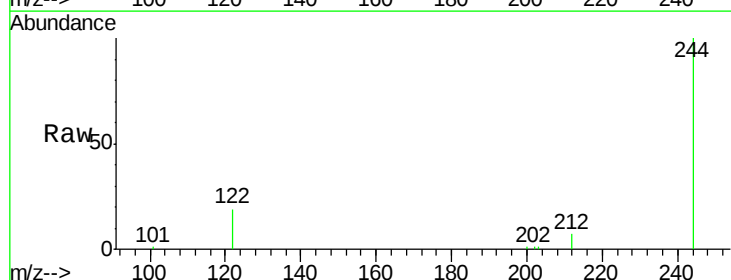
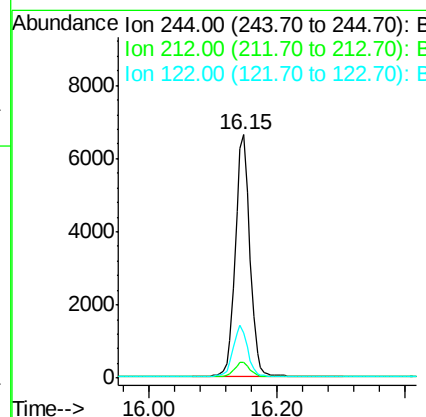
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#18
 Terphenyl-d14
 Concen: 0.54 ng
 RT: 16.15 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE088117.D
 Acq: 20 Oct 2014 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	10356		
212	6.6	5.4	8.0	
122	18.7	17.5	26.3	





#19

Benzo(a)anthracene

Concen: 0.58 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088117.D

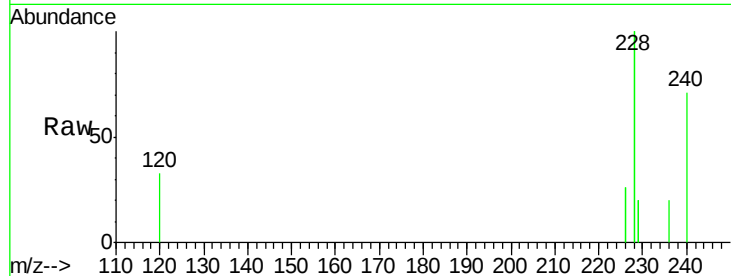
Acq: 20 Oct 2014 20:42

Instrument :

BNA_E

ClientSampleId :

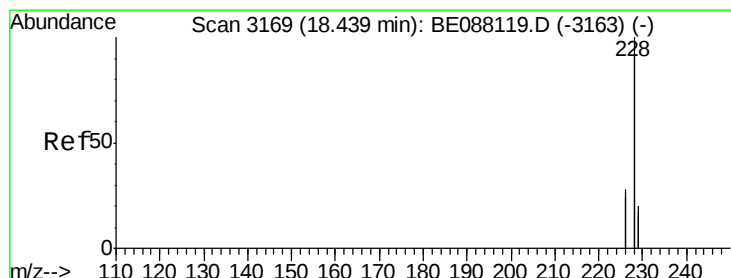
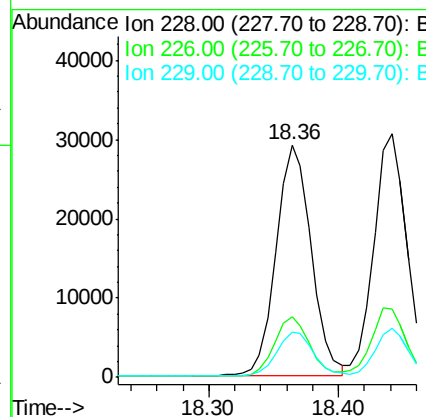
SSTDIC0.5



Tgt Ion:	228	Resp:	54971
Ion Ratio	Lower	Upper	
228	100		
226	26.3	20.8	31.2
229	19.6	15.6	23.4

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#20

Chrysene

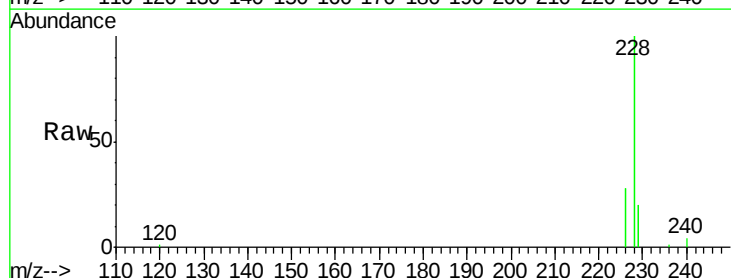
Concen: 0.48 ng

RT: 18.44 min Scan# 3170

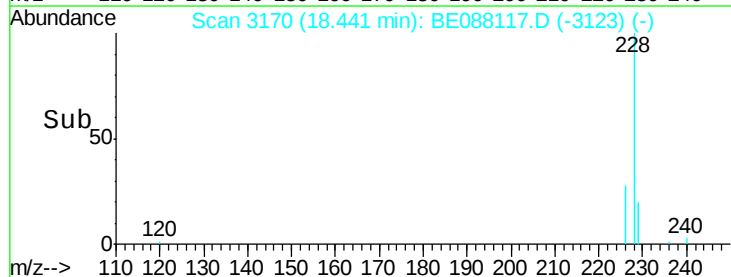
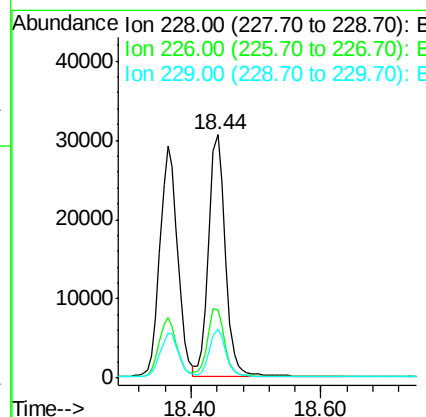
Delta R.T. 0.00 min

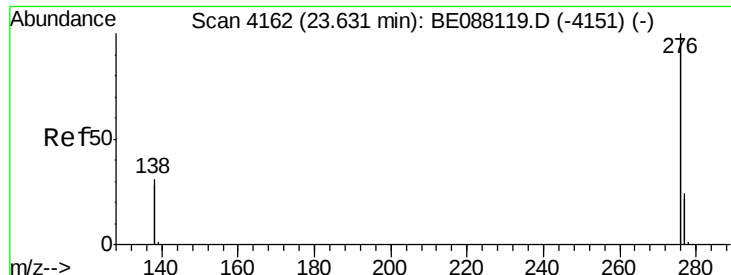
Lab File: BE088117.D

Acq: 20 Oct 2014 20:42



Tgt Ion:	228	Resp:	55042
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.7	34.1
229	19.9	15.8	23.6





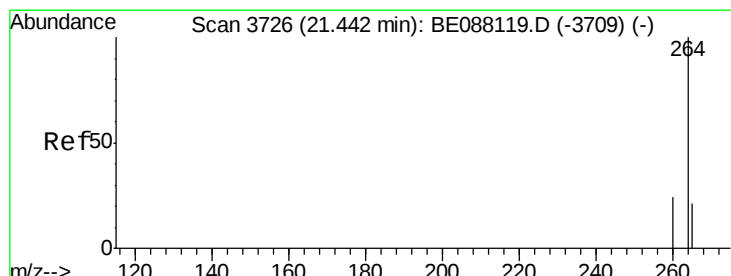
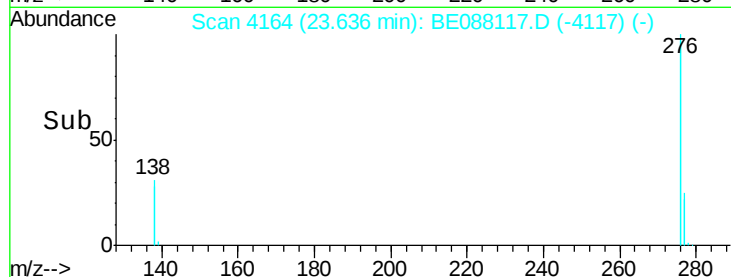
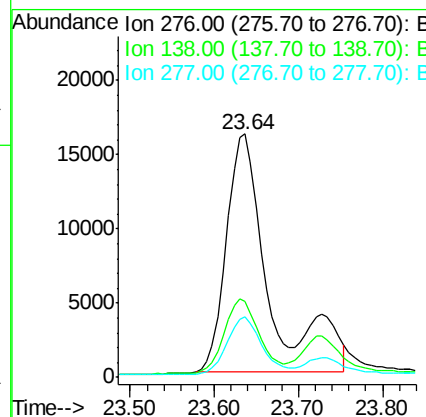
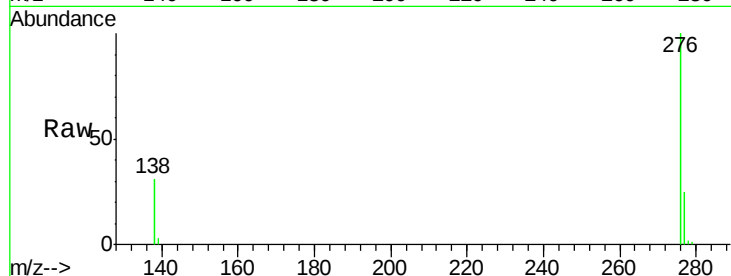
#21
Indeno(1,2,3-cd)pyrene
Concen: 0.60 ng m
RT: 23.64 min Scan# 4164
Delta R.T. 0.01 min
Lab File: BE088117.D
Acq: 20 Oct 2014 20:42

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	18.5	27.7
277	20.0	14.6	21.8

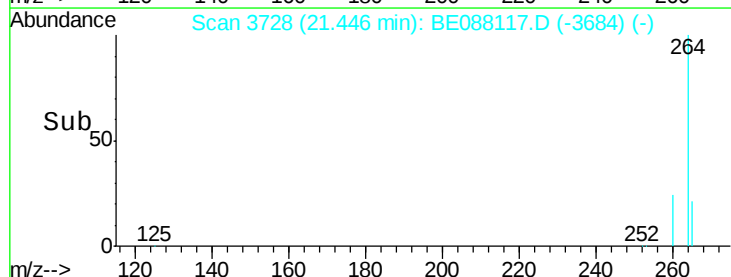
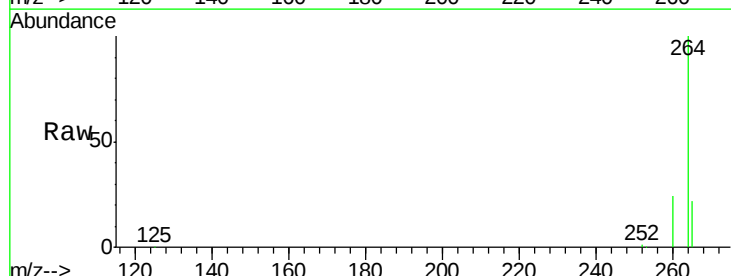
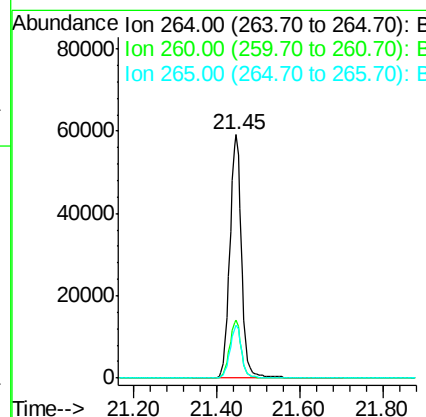
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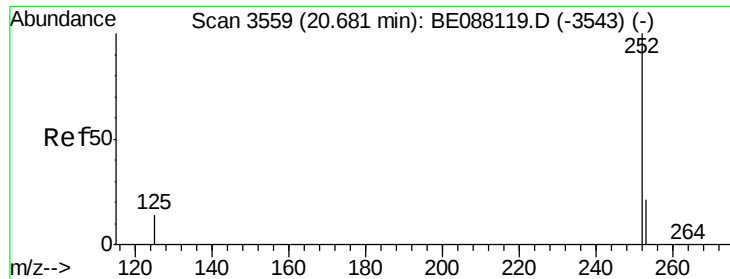
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#22
Perylene-d12
Concen: 5.00 ng
RT: 21.45 min Scan# 3728
Delta R.T. 0.00 min
Lab File: BE088117.D
Acq: 20 Oct 2014 20:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	21.5	17.2	25.8





#23

Benzo(b)fluoranthene

Concen: 0.64 ng

RT: 20.68 min Scan# 3560

Delta R.T. 0.00 min

Lab File: BE088117.D

Acq: 20 Oct 2014 20:42

Instrument :

BNA_E

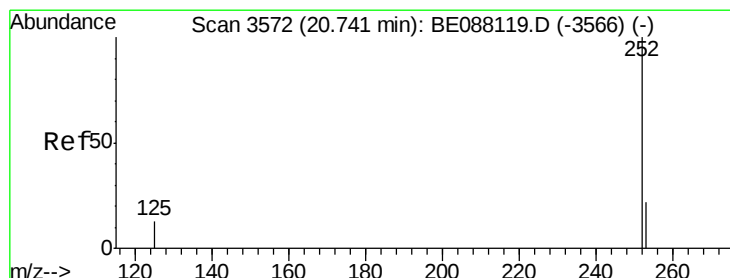
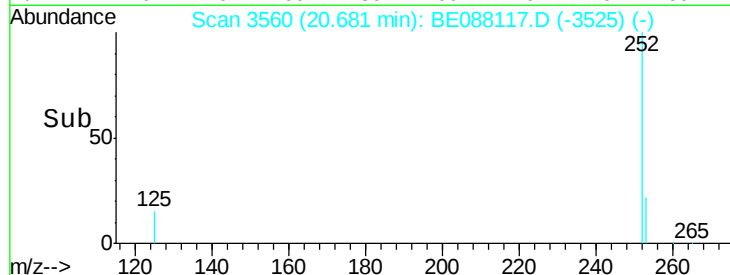
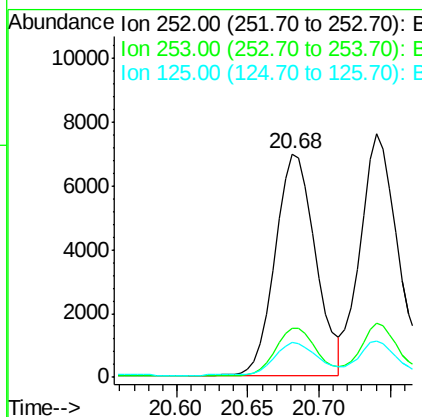
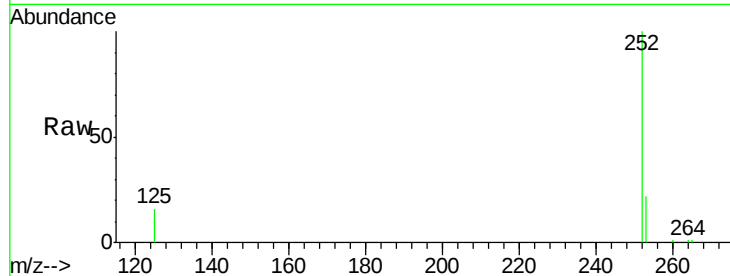
ClientSampleId :

SSTDIC0.5

Tgt Ion:	252	Resp:	13616
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.4	26.0
125	15.6	11.8	17.8

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#24

Benzo(k)fluoranthene

Concen: 0.50 ng

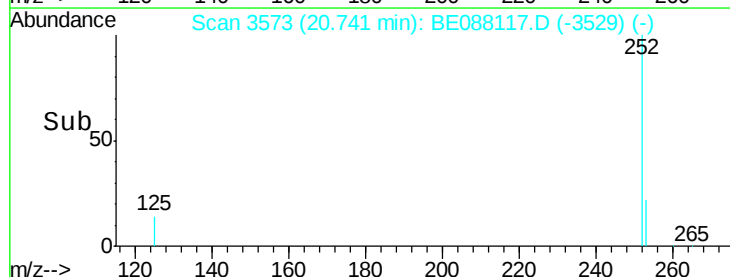
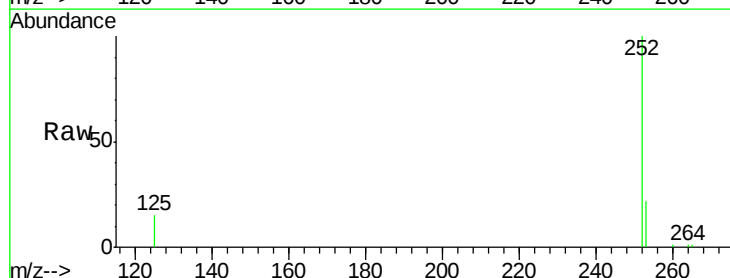
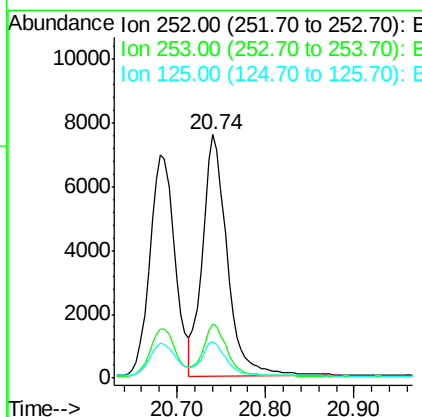
RT: 20.74 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BE088117.D

Acq: 20 Oct 2014 20:42

Tgt Ion:	252	Resp:	14612
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.6	26.4
125	14.9	11.5	17.3





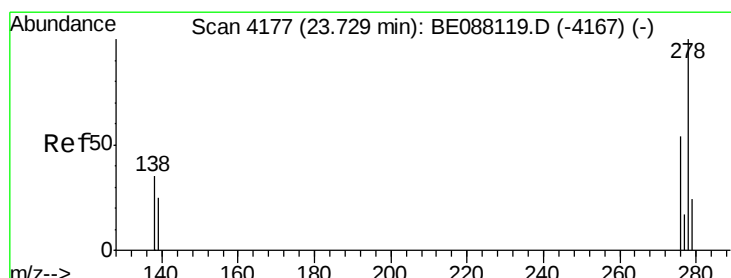
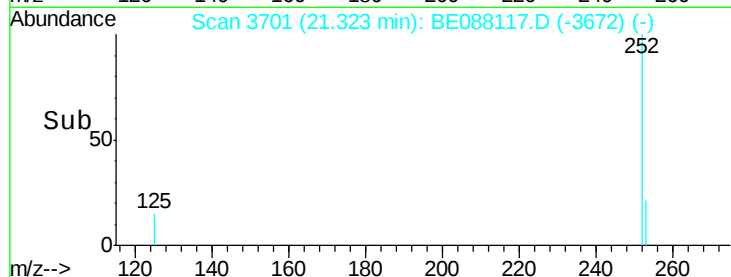
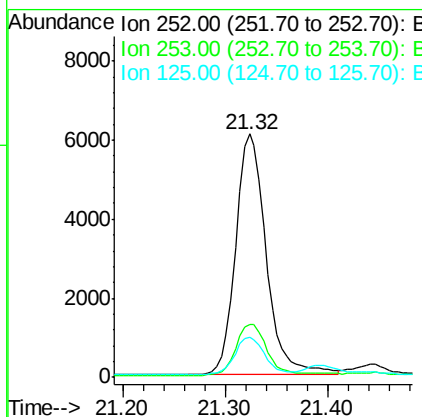
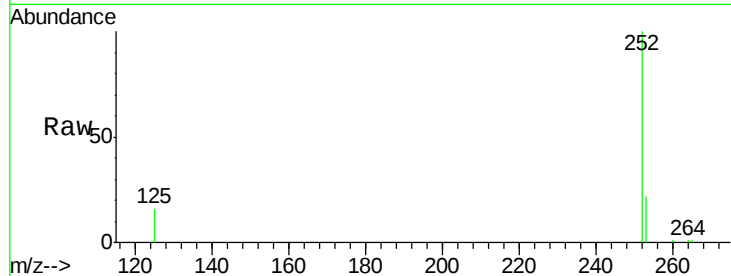
#25
Benzo(a)pyrene
Concen: 0.69 ng
RT: 21.32 min Scan# 3701
Delta R.T. 0.00 min
Lab File: BE088117.D
Acq: 20 Oct 2014 20:42

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	16.4	13.0	19.6

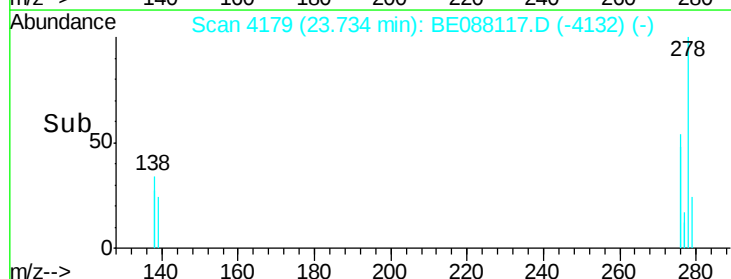
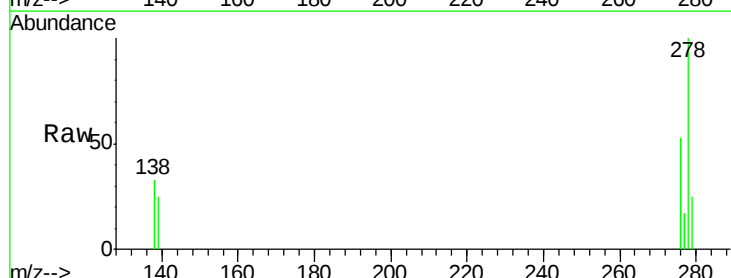
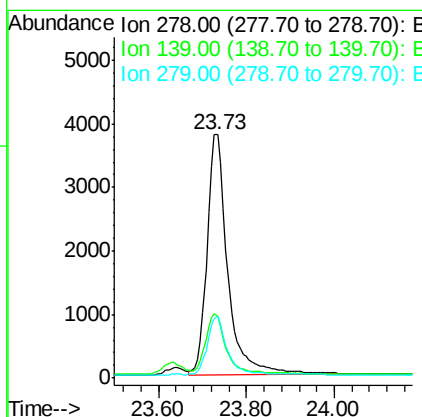
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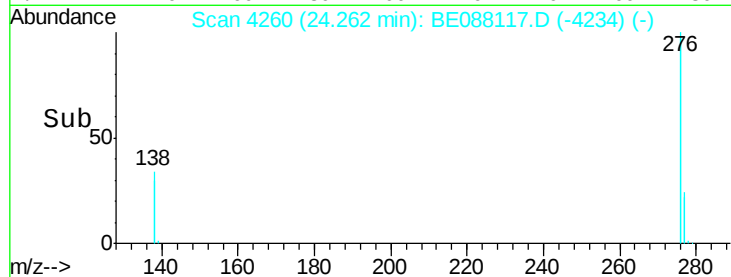
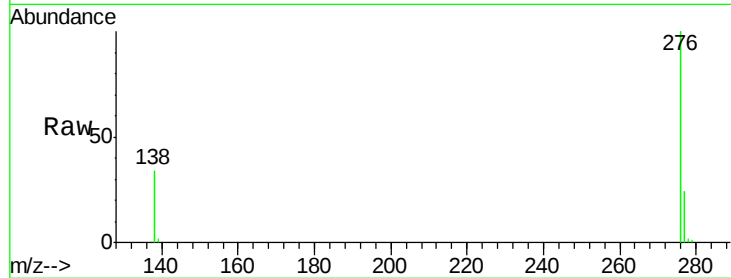
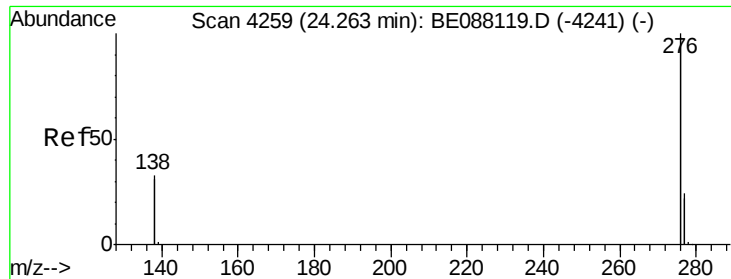
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#26
Dibenzo(a,h)anthracene
Concen: 0.63 ng
RT: 23.73 min Scan# 4179
Delta R.T. 0.01 min
Lab File: BE088117.D
Acq: 20 Oct 2014 20:42

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.4	20.9	31.3
279	25.2	19.8	29.8





#27

Benzo(g,h,i)perylene

Concen: 0.58 ng

RT: 24.26 min Scan# 4260

Delta R.T. -0.00 min

Lab File: BE088117.D

Acq: 20 Oct 2014 20:42

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

Tgt Ion:	276	Resp:	53734
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.2	28.8
138	33.5	26.6	40.0

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