

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
 Data File : BE088317.D
 Acq On : 27 Oct 2014 17:28
 Operator : TP/JJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Manual Integrations
 APPROVED

mohammad
 10/29/2014 11:11:06 AM

Quant Time: Oct 28 10:06:57 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	37503	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	145653	5.00	ng	0.00
7) Acenaphthene-d10	10.81	164	76927	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	161524	5.00	ng	0.00
16) Chrysene-d12	18.34	240	98056	5.00	ng	0.00
22) Perylene-d12	21.41	264	79317	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	1217	0.13	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	3322	0.16	ng	0.00
18) Terphenyl-d14	16.10	244	4204	0.26	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.29	88	568	0.11	ng	# 81
5) Naphthalene	8.69	128	3622	0.12	ng	96
6) 2-Methylnaphthalene	9.55	142	2523	0.14	ng	99
9) Acenaphthylene	10.64	152	22090	0.19	ng	99
10) Acenaphthene	10.86	154	3499	0.19	ng	94
11) Fluorene	11.52	166	4592	0.25	ng	99
13) Phenanthrene	12.96	178	28606m	0.19	ng	
14) Anthracene	13.06	178	27248	0.24	ng	99
15) Fluoranthene	15.21	202	6679	0.28	ng	99
17) Pyrene	15.66	202	7140	0.26	ng	100
19) Benzo(a)anthracene	18.32	228	24529	0.32	ng	98
20) Chrysene	18.40	228	26833	0.31	ng	99
21) Indeno(1,2,3-cd)pyrene	23.58	276	27647m	0.42	ng	
23) Benzo(b)fluoranthene	20.65	252	6645	0.50	ng	97
24) Benzo(k)fluoranthene	20.70	252	6523	0.32	ng	97
25) Benzo(a)pyrene	21.28	252	4782	0.37	ng	97
26) Dibenzo(a,h)anthracene	23.68	278	5328	0.44	ng	99
27) Benzo(g,h,i)perylene	24.21	276	23558	0.37	ng	97

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

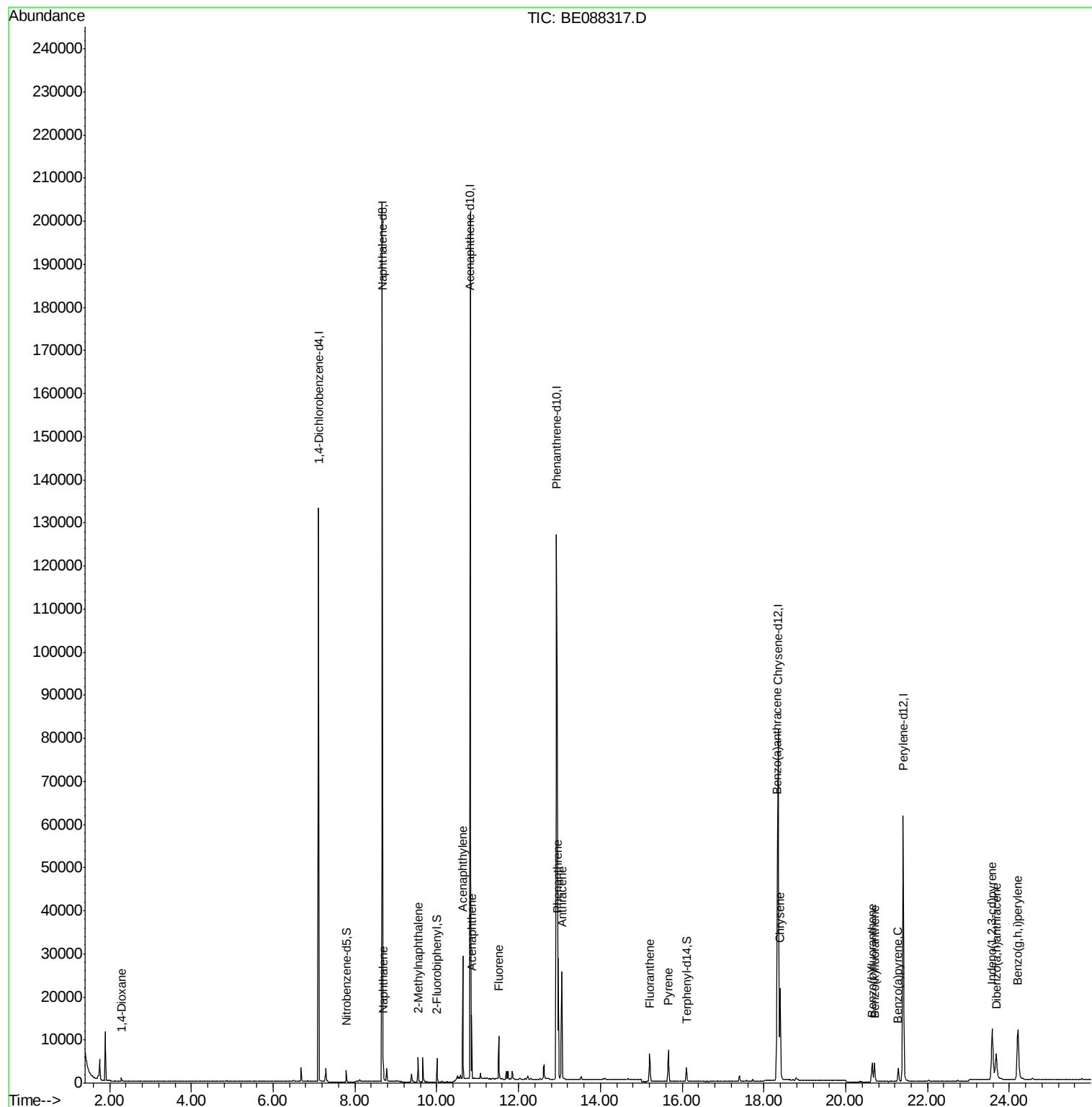
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
Data File : BE088317.D
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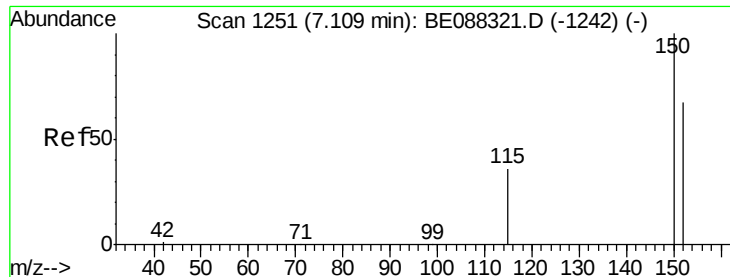
Instrument :
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QLast Update : Tue Oct 28 01:17:45 2014
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: BE088317.D

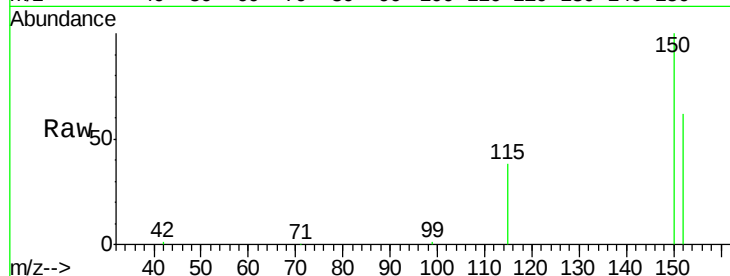
Acq: 27 Oct 2014 17:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1



Tgt Ion:152 Resp: 37503

Ion Ratio Lower Upper

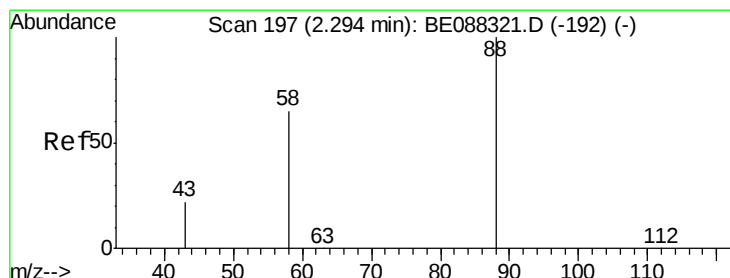
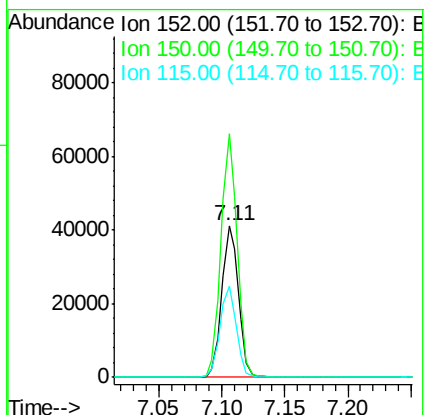
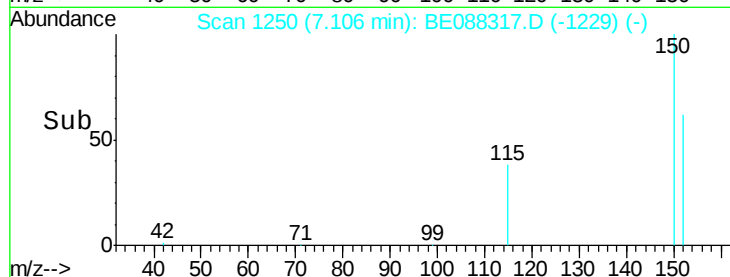
152 100

150 160.1 119.3 178.9

115 60.3 42.6 64.0

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#2

1,4-Dioxane

Concen: 0.11 ng

RT: 2.29 min Scan# 196

Delta R.T. -0.01 min

Lab File: BE088317.D

Acq: 27 Oct 2014 17:28

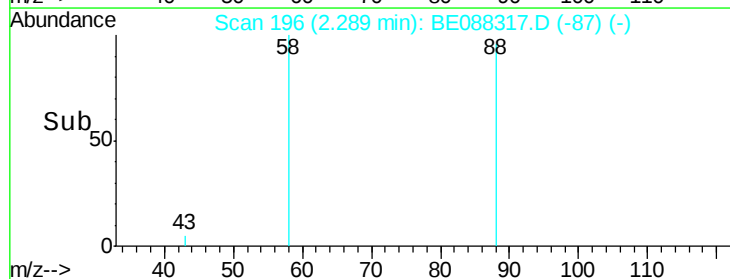
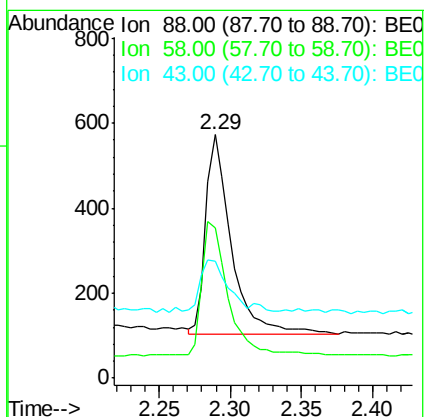
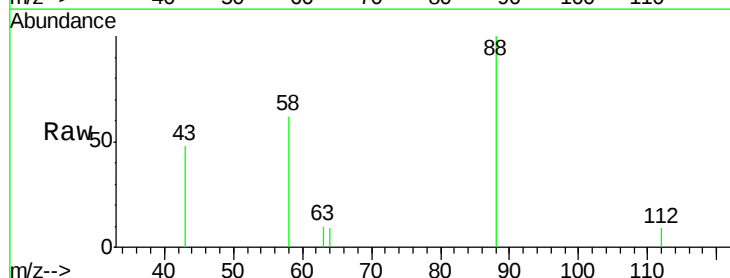
Tgt Ion: 88 Resp: 568

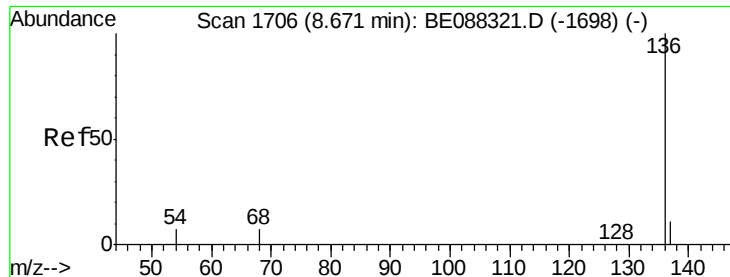
Ion Ratio Lower Upper

88 100

58 68.5 59.4 89.0

43 0.0 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: BE088317.D

Acq: 27 Oct 2014 17:28

Instrument :

BNA_E

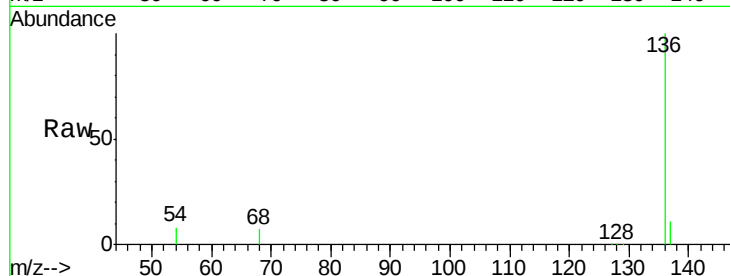
ClientSampleId :

SSTDIC0.1

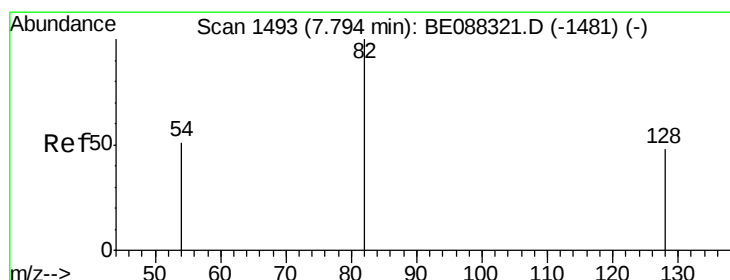
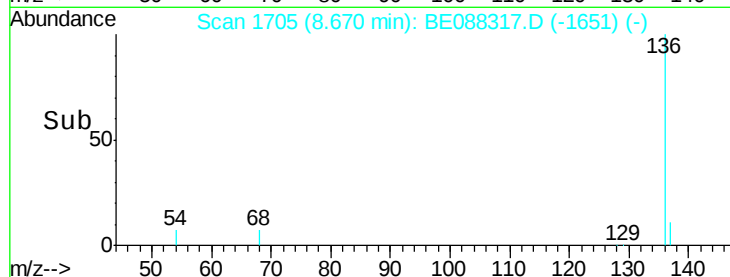
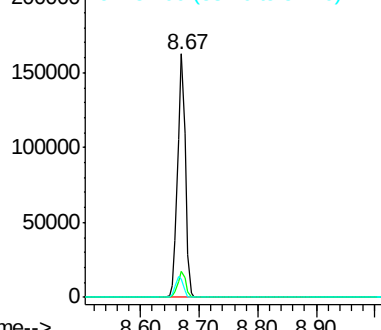
Tgt Ion:	136	Resp:	145653
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	7.5	5.5	8.3

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Abundance Ion 136.00 (135.70 to 136.70): BE088317.D (-1651) (-)



#4

Nitrobenzene-d5

Concen: 0.13 ng

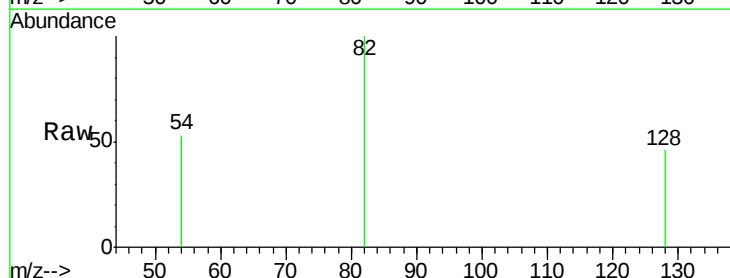
RT: 7.79 min Scan# 1492

Delta R.T. -0.00 min

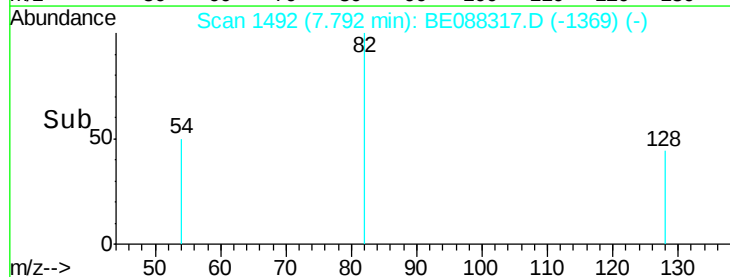
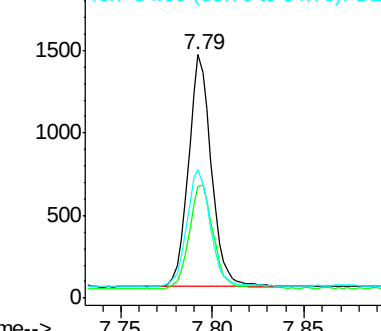
Lab File: BE088317.D

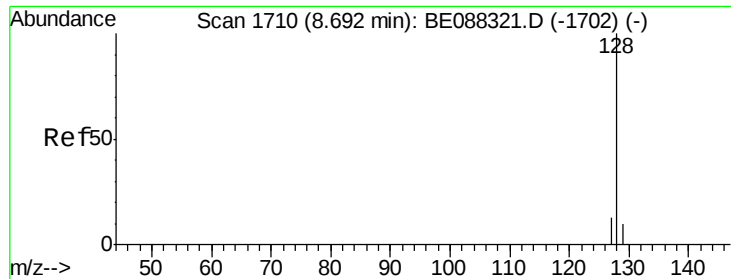
Acq: 27 Oct 2014 17:28

Tgt Ion:	82	Resp:	1217
Ion Ratio	Lower	Upper	
82	100		
128	45.9	38.7	58.1
54	52.7	41.0	61.4



Abundance Ion 82.00 (81.70 to 82.70): BE088317.D (-1369) (-)





#5

Naphthalene

Concen: 0.12 ng

RT: 8.69 min Scan# 1709

Delta R.T. -0.00 min

Lab File: BE088317.D

Acq: 27 Oct 2014 17:28

Instrument :

BNA_E

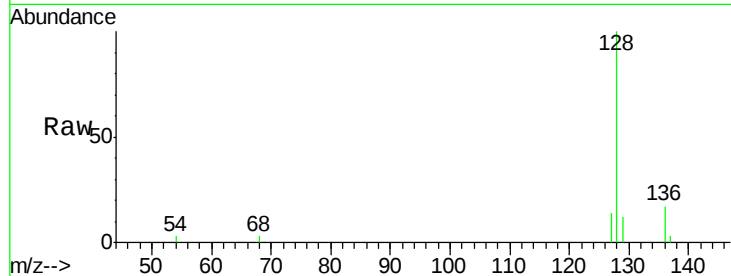
ClientSampleId :

SSTDICC0.1

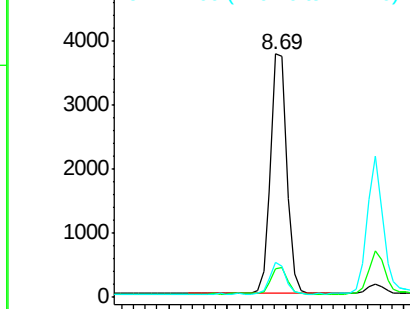
Tgt Ion:	128	Resp:	3622
Ion Ratio	Lower	Upper	
128	100		
129	11.8	8.5	12.7
127	14.3	10.2	15.2

Manual Integrations
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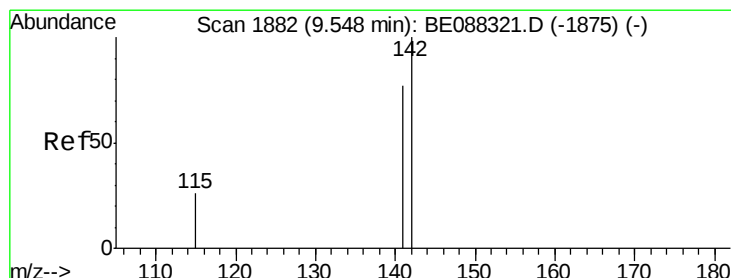
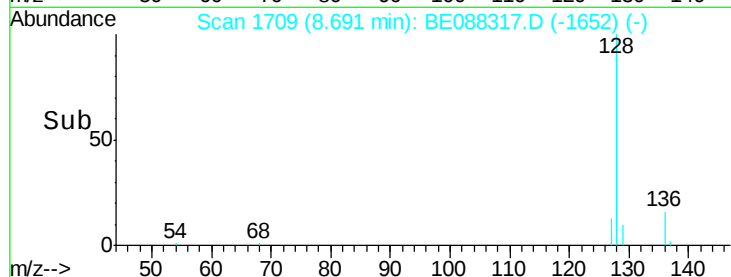
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



Time-->



#6

2-Methylnaphthalene

Concen: 0.14 ng

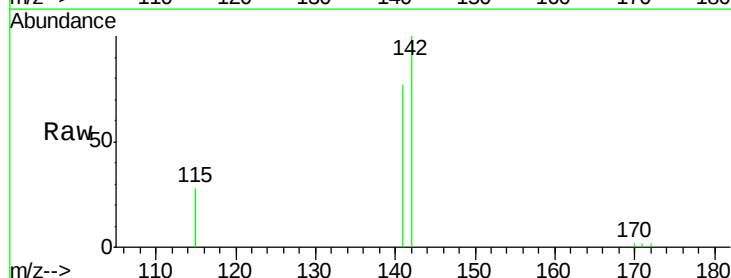
RT: 9.55 min Scan# 1881

Delta R.T. 0.00 min

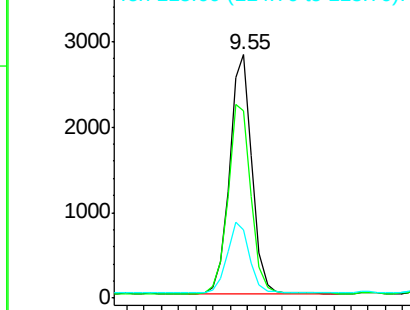
Lab File: BE088317.D

Acq: 27 Oct 2014 17:28

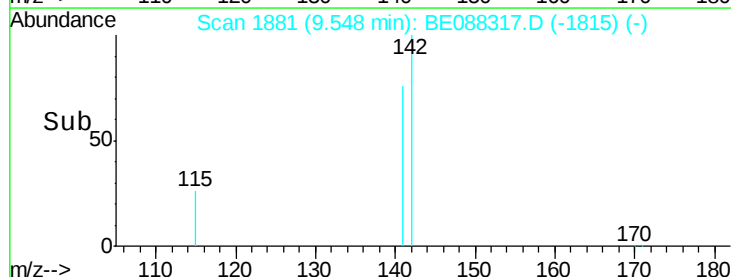
Tgt Ion:	142	Resp:	2523
Ion Ratio	Lower	Upper	
142	100		
141	76.7	61.4	92.0
115	28.3	21.0	31.6

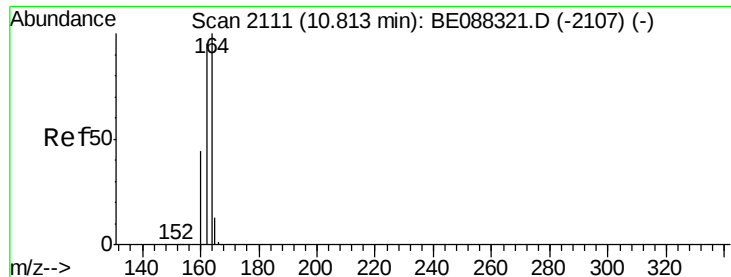


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



Time-->





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.81 min Scan# 2110

Delta R.T. 0.00 min

Lab File: BE088317.D

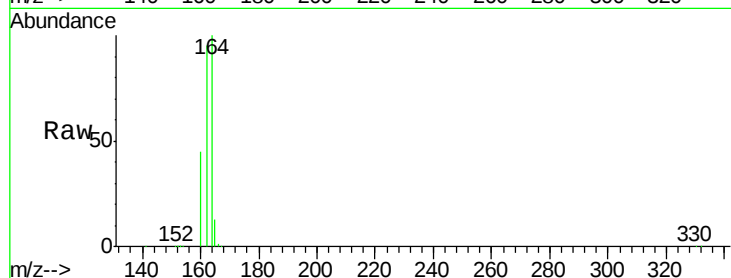
Acq: 27 Oct 2014 17:28

Instrument :

BNA_E

ClientSampleId :

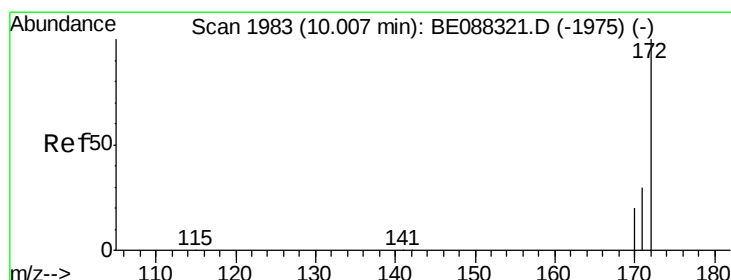
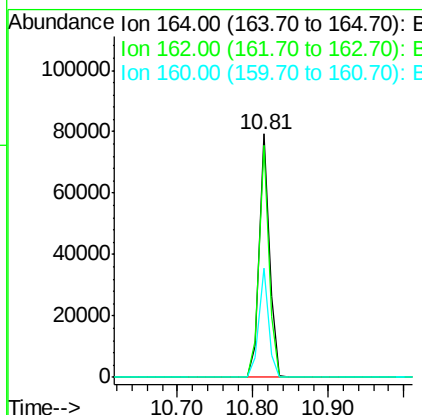
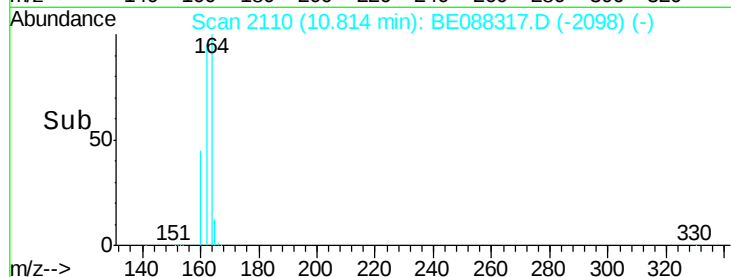
SSTDIC0.1



Tgt Ion:	164	Resp:	76927
Ion Ratio	Lower	Upper	
164	100		
162	95.2	75.7	113.5
160	44.7	35.6	53.4

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#8

2-Fluorobiphenyl

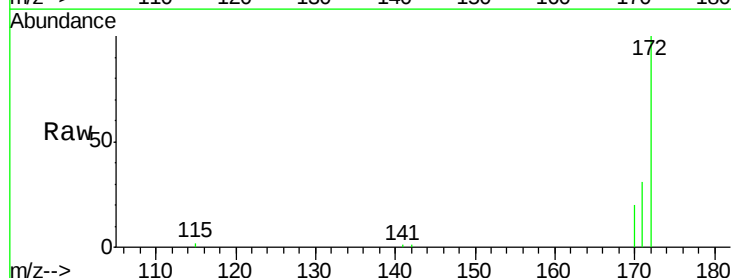
Concen: 0.16 ng

RT: 10.01 min Scan# 1982

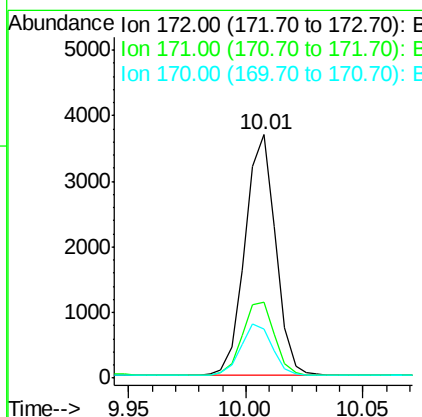
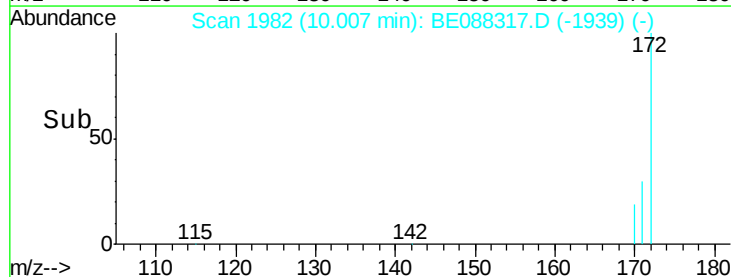
Delta R.T. 0.00 min

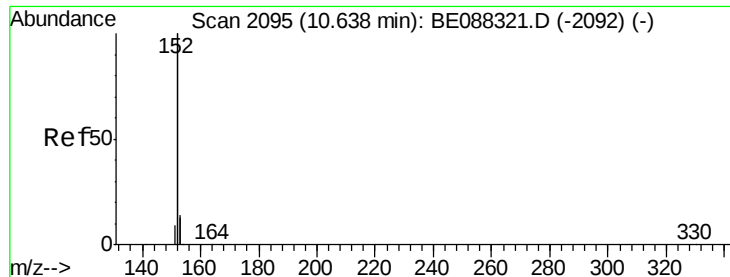
Lab File: BE088317.D

Acq: 27 Oct 2014 17:28



Tgt Ion:	172	Resp:	3322
Ion Ratio	Lower	Upper	
172	100		
171	31.2	24.5	36.7
170	20.1	15.8	23.6





#9

Acenaphthylene

Concen: 0.19 ng

RT: 10.64 min Scan# 2094

Delta R.T. 0.00 min

Lab File: BE088317.D

Acq: 27 Oct 2014 17:28

Instrument :

BNA_E

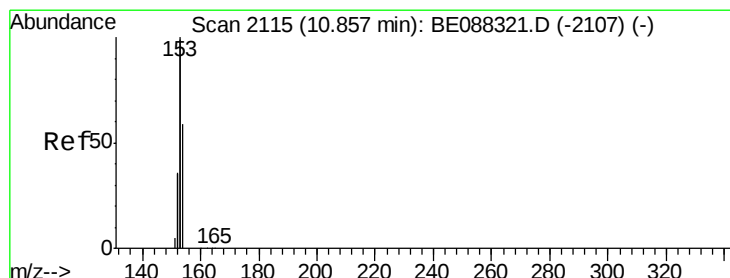
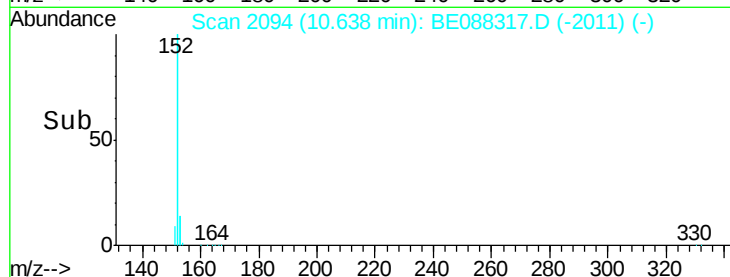
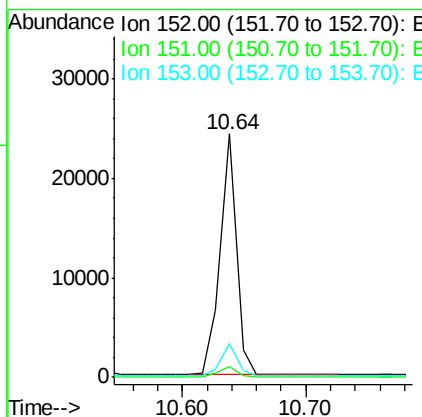
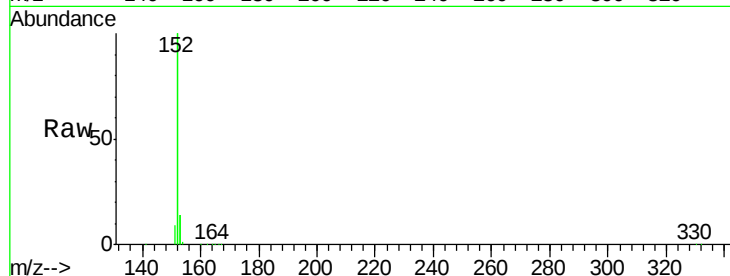
ClientSampleId :

SSTDIC0.1

Tgt Ion:	152	Resp:	22090
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.7	5.5
153	13.6	10.5	15.7

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#10

Acenaphthene

Concen: 0.19 ng

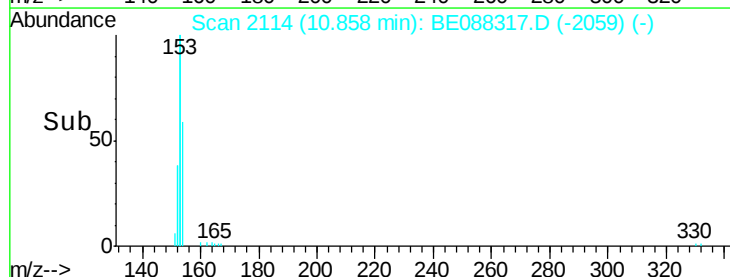
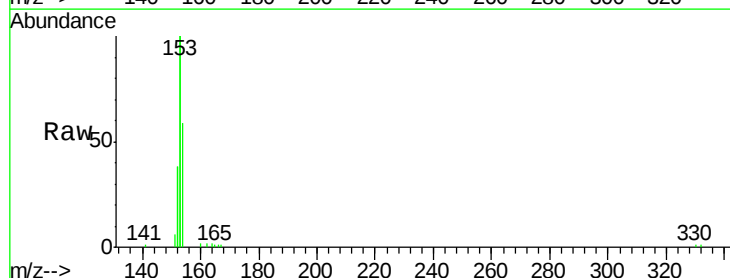
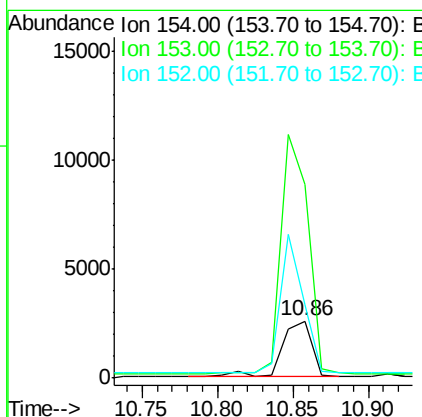
RT: 10.86 min Scan# 2114

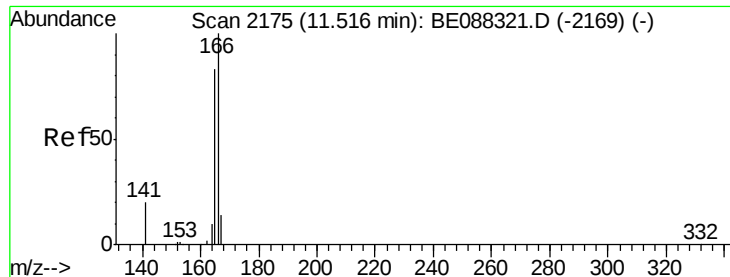
Delta R.T. 0.00 min

Lab File: BE088317.D

Acq: 27 Oct 2014 17:28

Tgt Ion:	154	Resp:	3499
Ion Ratio	Lower	Upper	
154	100		
153	387.1	323.8	485.6
152	188.9	154.8	232.2





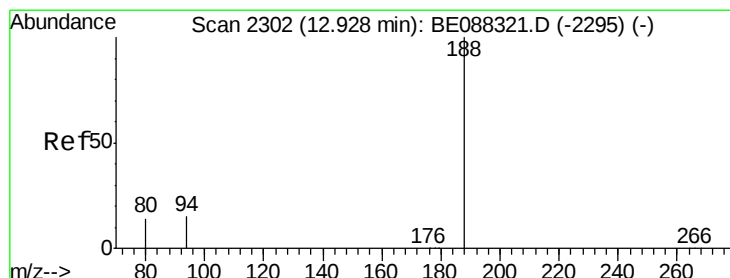
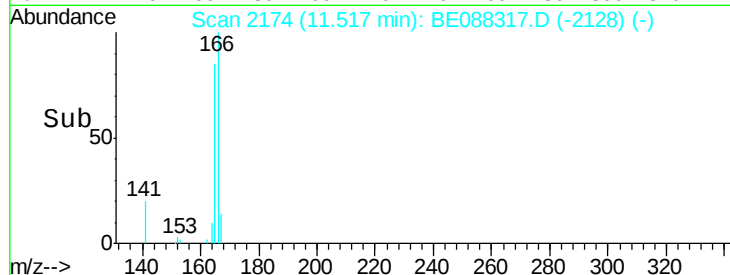
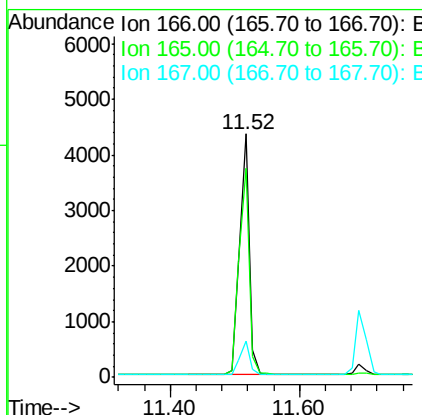
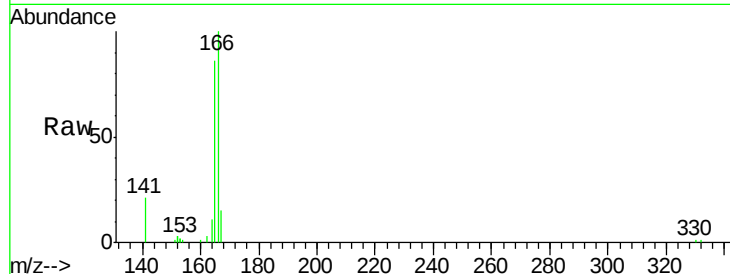
#11
 Fluorene
 Concen: 0.25 ng
 RT: 11.52 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: BE088317.D
 Acq: 27 Oct 2014 17:28

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.1	70.6	105.8
167	13.4	10.7	16.1

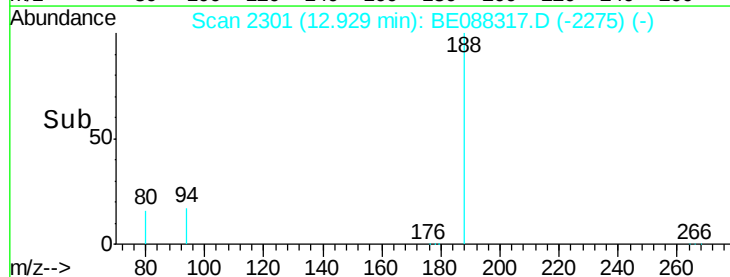
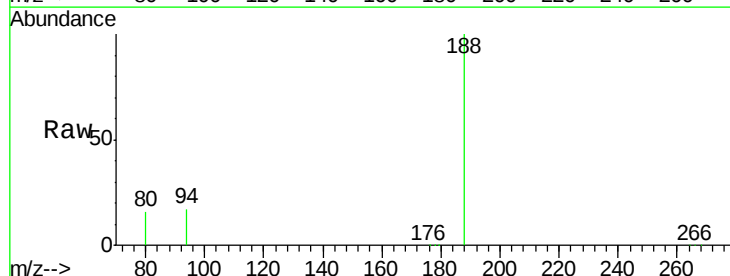
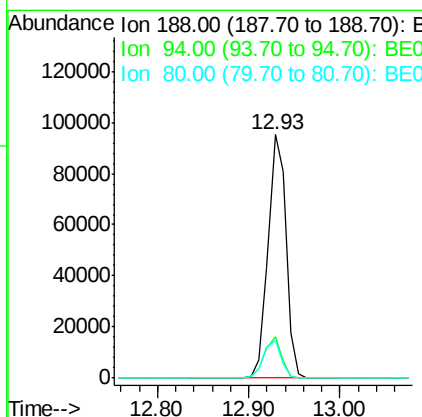
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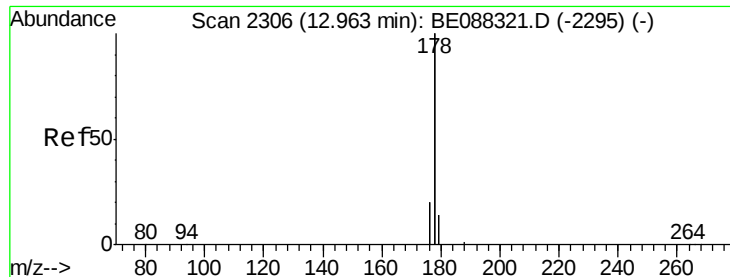
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#12
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.93 min Scan# 2301
 Delta R.T. 0.00 min
 Lab File: BE088317.D
 Acq: 27 Oct 2014 17:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	16.9	12.0	18.0
80	15.7	11.3	16.9





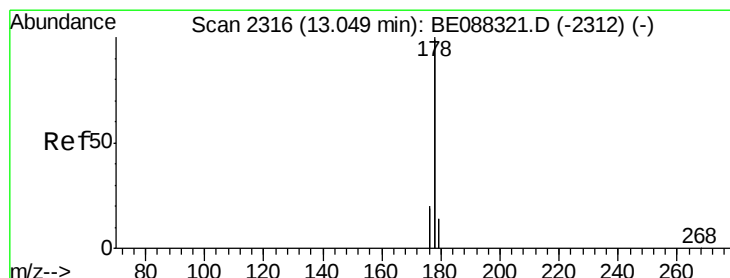
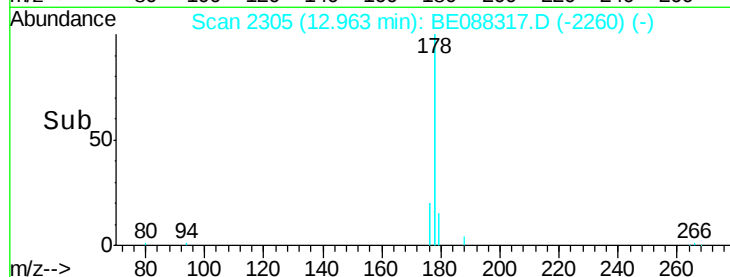
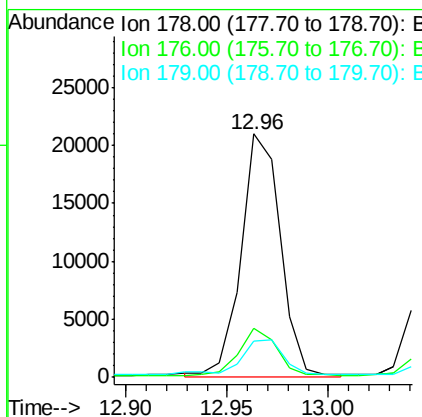
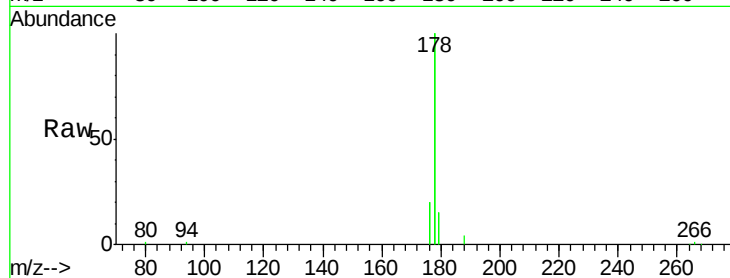
#13
Phenanthrene
Concen: 0.19 ng m
RT: 12.96 min Scan# 2305
Delta R.T. 0.00 min
Lab File: BE088317.D
Acq: 27 Oct 2014 17:28

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.8	23.6
179	14.5	13.2	19.8

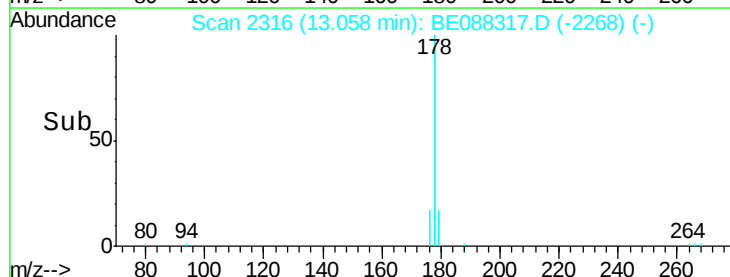
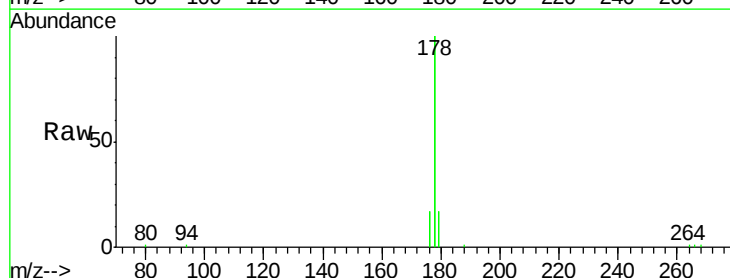
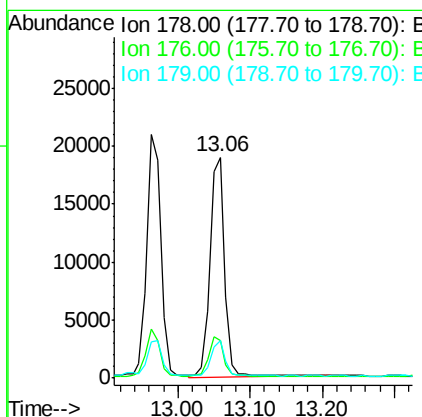
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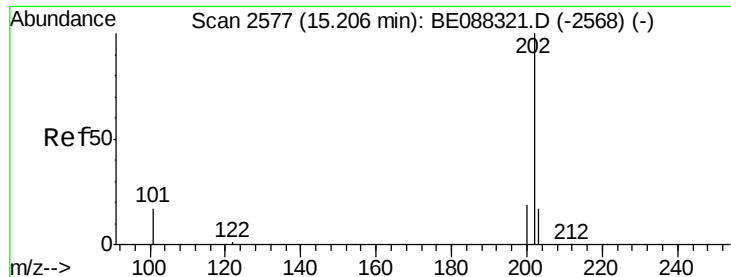
mohammad
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#14
Anthracene
Concen: 0.24 ng
RT: 13.06 min Scan# 2316
Delta R.T. 0.01 min
Lab File: BE088317.D
Acq: 27 Oct 2014 17:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	15.3	12.6	18.8





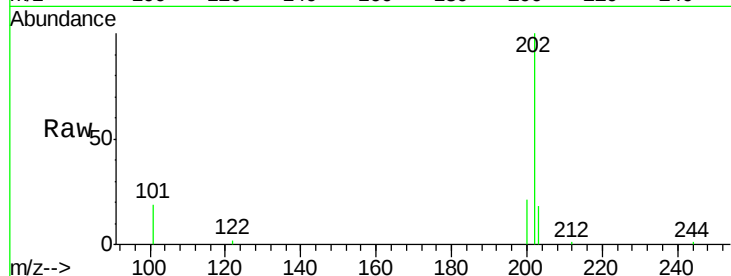
#15
 Fluoranthene
 Concen: 0.28 ng
 RT: 15.21 min Scan# 2576
 Delta R.T. -0.00 min
 Lab File: BE088317.D
 Acq: 27 Oct 2014 17:28

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	6679		
101	17.9		14.6	21.8
203	16.8		13.8	20.6

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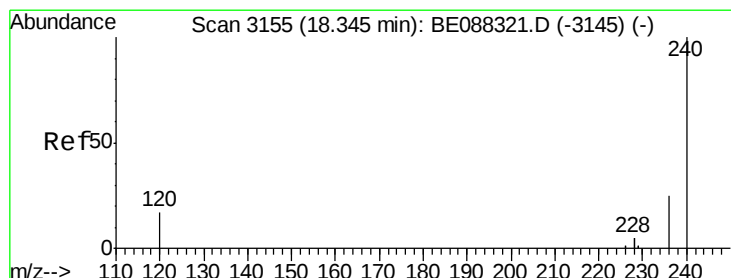
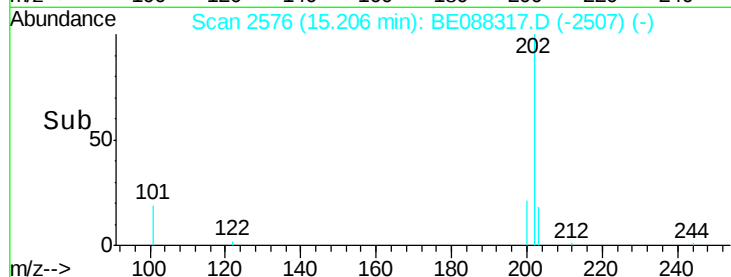
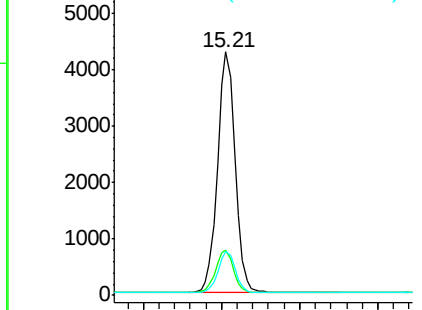


Abundance

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: 18.34 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: BE088317.D
 Acq: 27 Oct 2014 17:28

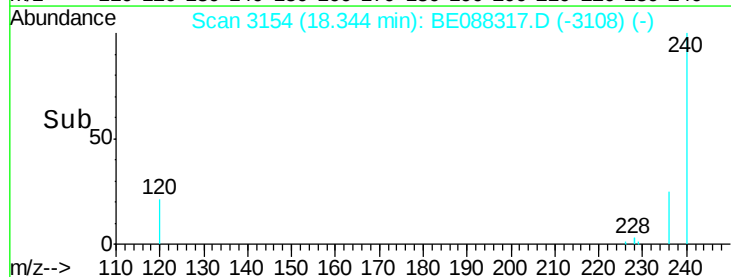
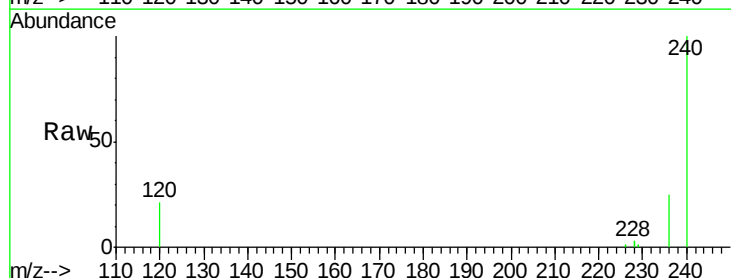
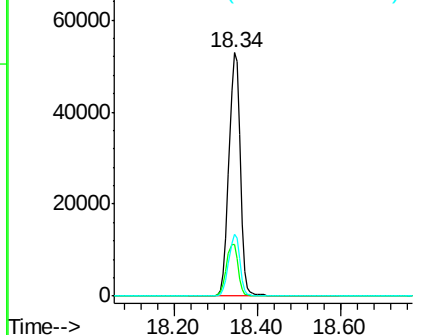
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	98056		
120	21.1		13.4	20.0#
236	25.3		20.0	30.0

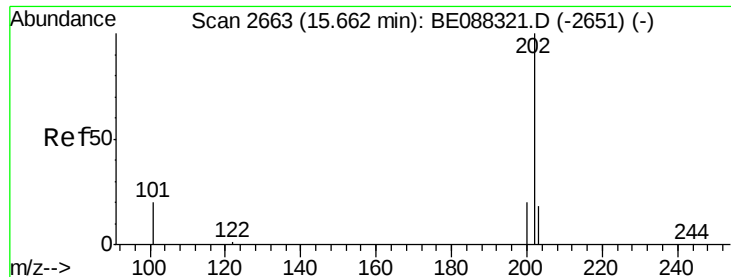
Abundance

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





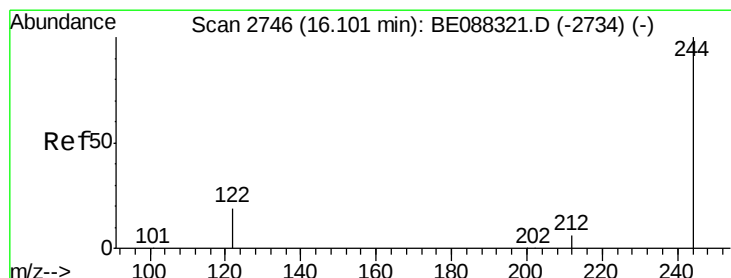
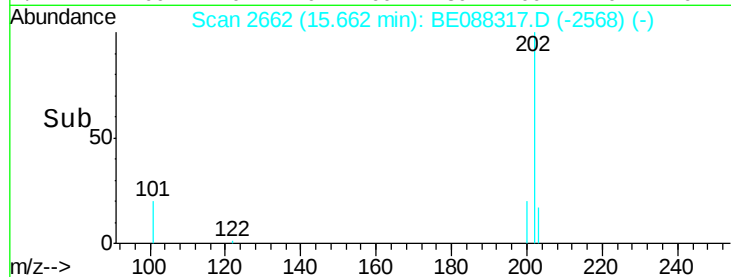
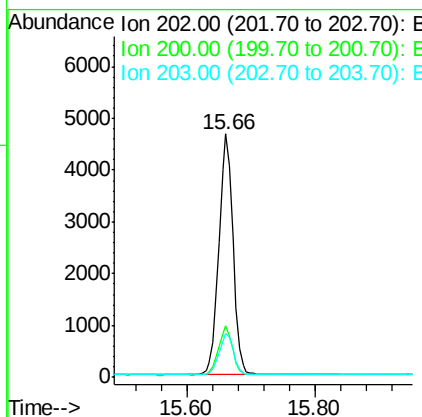
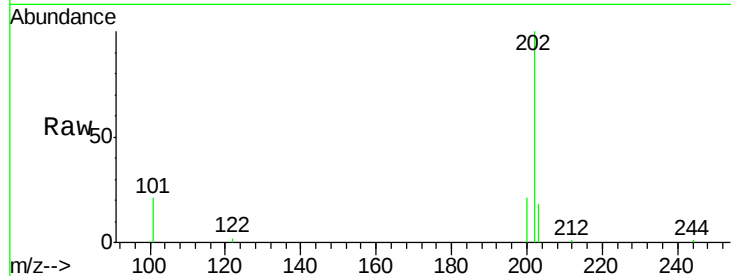
#17
 Pyrene
 Concen: 0.26 ng
 RT: 15.66 min Scan# 2662
 Delta R.T. -0.00 min
 Lab File: BE088317.D
 Acq: 27 Oct 2014 17:28

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion:	202	Resp:	7140
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.1	24.1
203	17.2	13.9	20.9

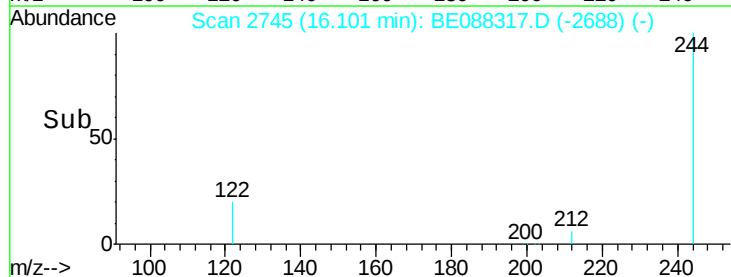
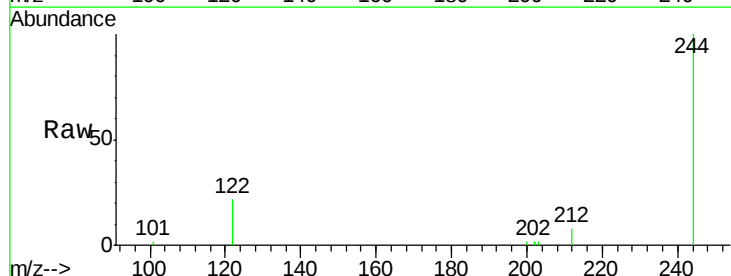
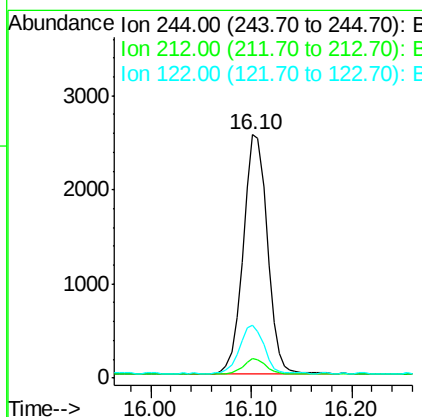
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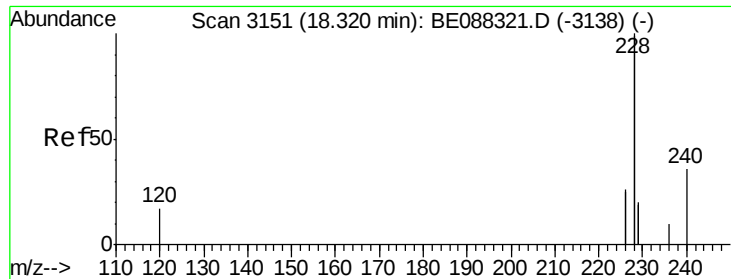
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#18
 Terphenyl-d14
 Concen: 0.26 ng
 RT: 16.10 min Scan# 2745
 Delta R.T. -0.00 min
 Lab File: BE088317.D
 Acq: 27 Oct 2014 17:28

Tgt Ion:	244	Resp:	4204
Ion Ratio	Lower	Upper	
244	100		
212	8.0	5.1	7.7#
122	21.7	15.8	23.8





#19

Benzo(a)anthracene

Concen: 0.32 ng

RT: 18.32 min Scan# 3151

Delta R.T. 0.01 min

Lab File: BE088317.D

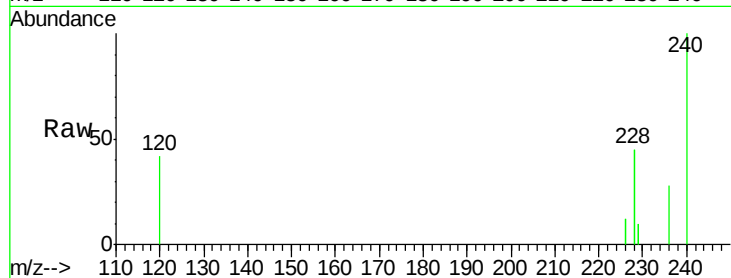
Acq: 27 Oct 2014 17:28

Instrument :

BNA_E

ClientSampleId :

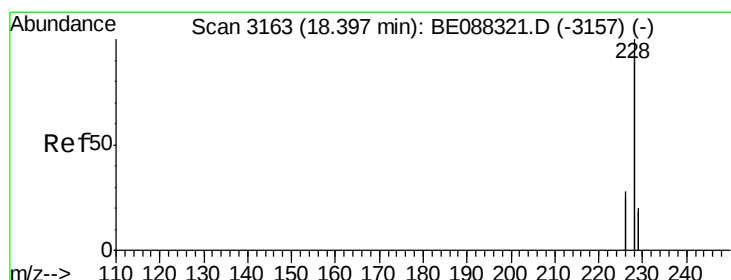
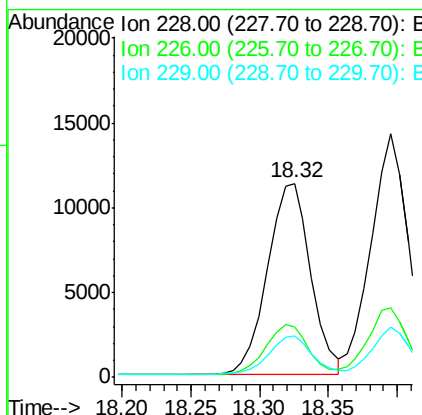
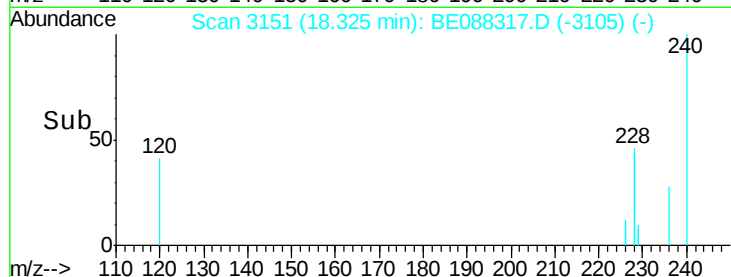
SSTDIC0.1



Tgt Ion:	228	Resp:	24529
Ion Ratio	Lower	Upper	
228	100		
226	26.1	20.7	31.1
229	21.5	15.7	23.5

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#20

Chrysene

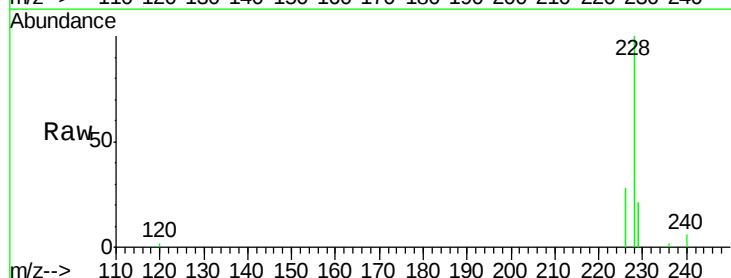
Concen: 0.31 ng

RT: 18.40 min Scan# 3162

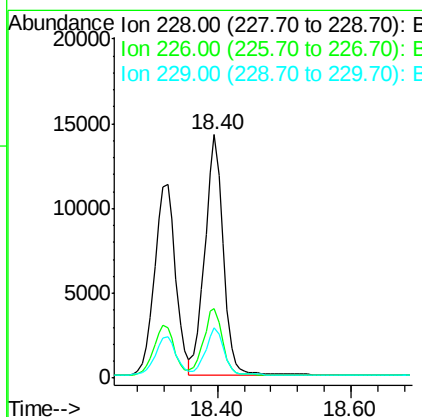
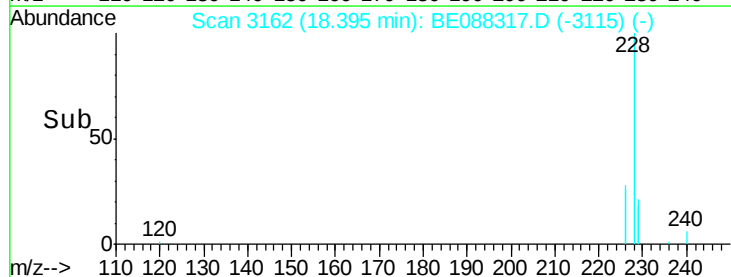
Delta R.T. -0.00 min

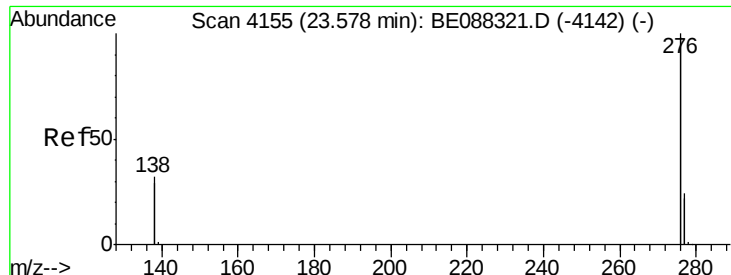
Lab File: BE088317.D

Acq: 27 Oct 2014 17:28



Tgt Ion:	228	Resp:	26833
Ion Ratio	Lower	Upper	
228	100		
226	28.5	22.7	34.1
229	20.7	15.6	23.4





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng m

RT: 23.58 min Scan# 4155

Delta R.T. 0.01 min

Lab File: BE088317.D

Acq: 27 Oct 2014 17:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

Tgt Ion: 276 Resp: 27647

Ion Ratio Lower Upper

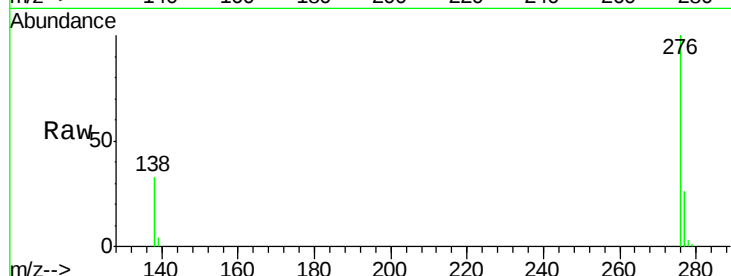
276 100

138 24.6 24.6 37.0#

277 18.6 19.0 28.6#

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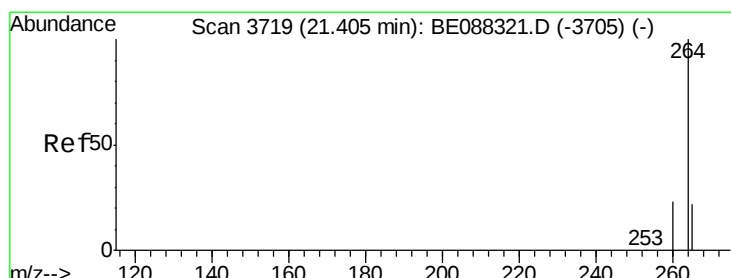
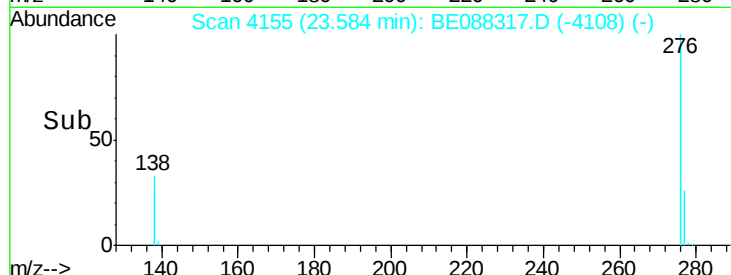
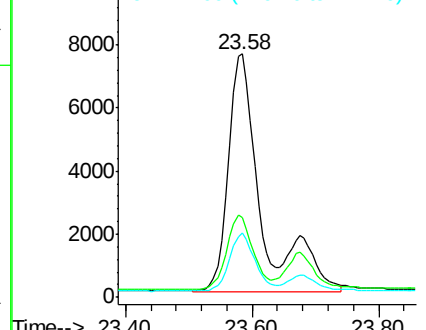


Abundance

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: 21.41 min Scan# 3718

Delta R.T. 0.00 min

Lab File: BE088317.D

Acq: 27 Oct 2014 17:28

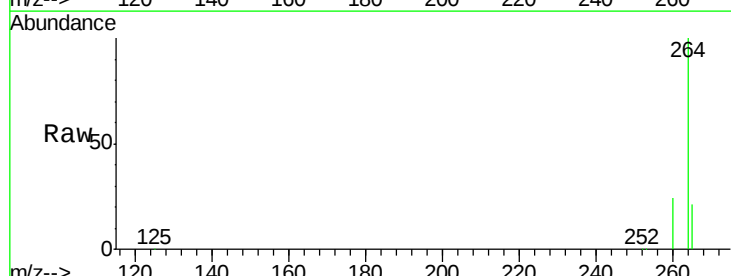
Tgt Ion: 264 Resp: 79317

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.5 17.4 26.0

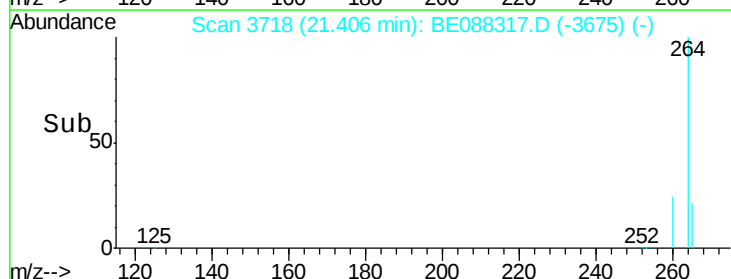
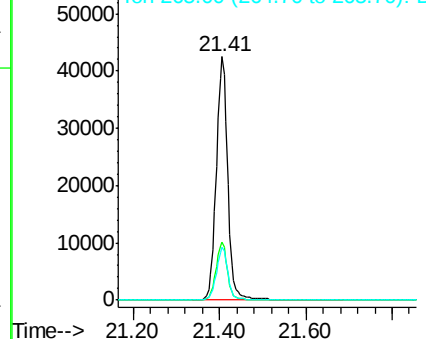


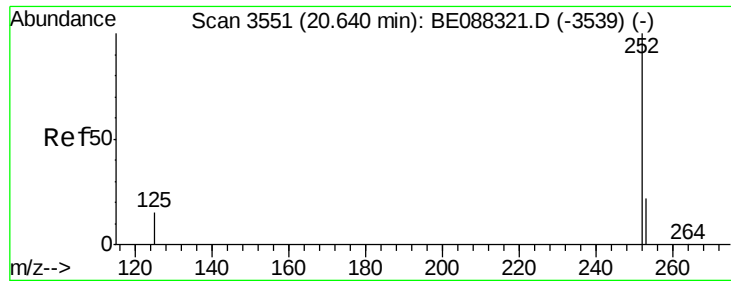
Abundance

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: 0.50 ng

RT: 20.65 min Scan# 3551

Delta R.T. 0.01 min

Lab File: BE088317.D

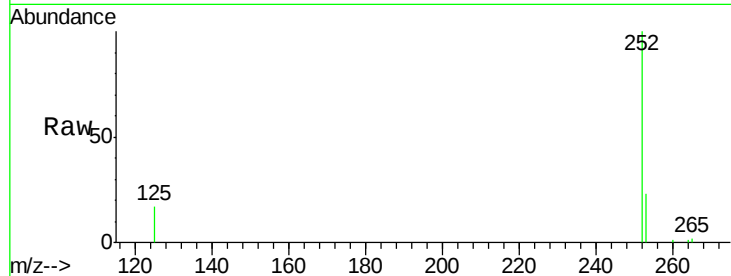
Acq: 27 Oct 2014 17:28

Instrument :

BNA_E

ClientSampleId :

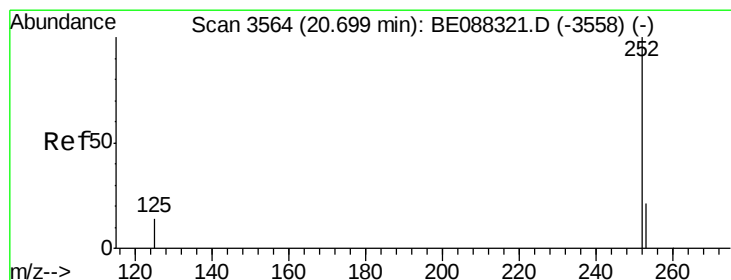
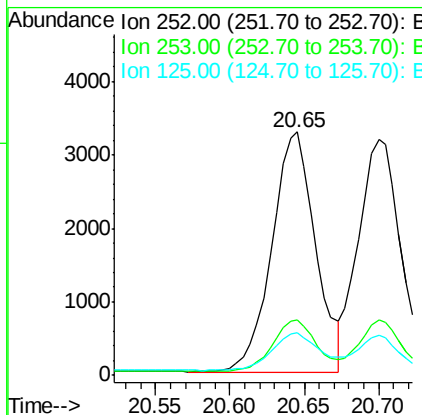
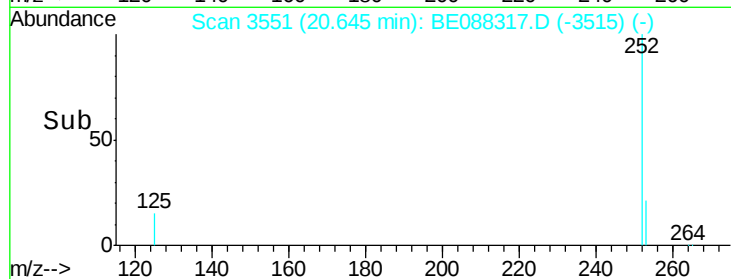
SSTDICC0.1



Tgt Ion:	252	Resp:	6645
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.7	26.5
125	17.3	12.2	18.2

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#24

Benzo(k)fluoranthene

Concen: 0.32 ng

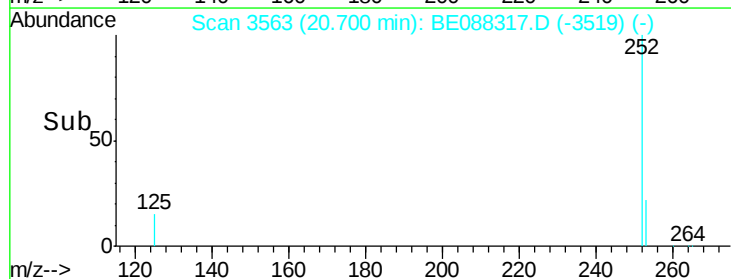
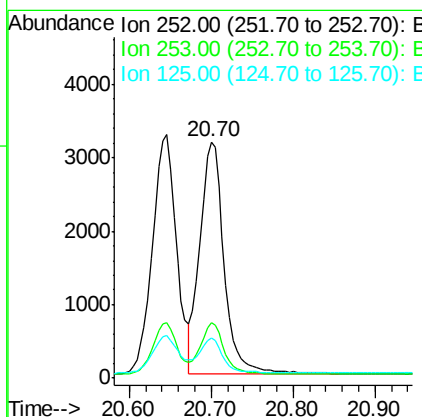
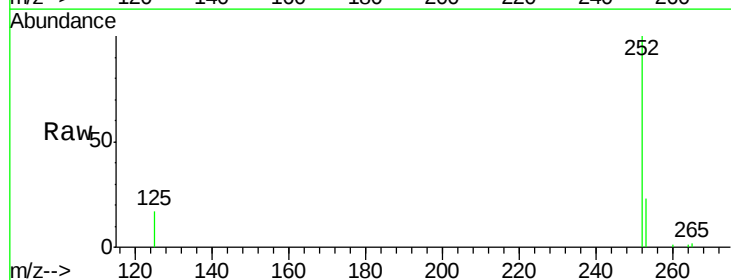
RT: 20.70 min Scan# 3563

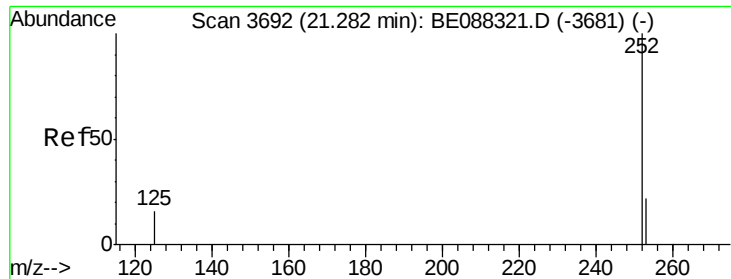
Delta R.T. 0.00 min

Lab File: BE088317.D

Acq: 27 Oct 2014 17:28

Tgt Ion:	252	Resp:	6523
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	16.7	11.9	17.9





#25

Benzo(a)pyrene

Concen: 0.37 ng

RT: 21.28 min Scan# 3691

Delta R.T. 0.00 min

Lab File: BE088317.D

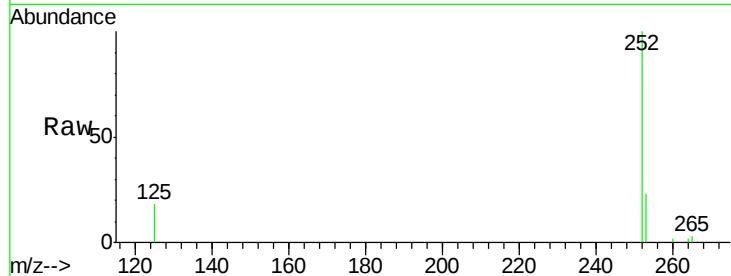
Acq: 27 Oct 2014 17:28

Instrument :

BNA_E

ClientSampleId :

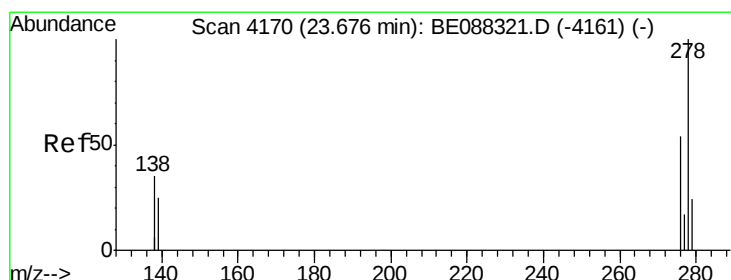
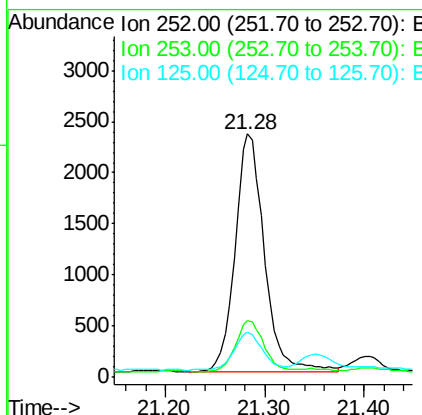
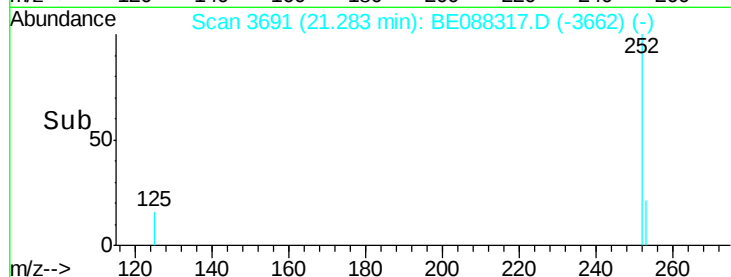
SSTDICC0.1



Tgt Ion:	252	Resp:	4782
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.7	26.5
125	18.4	13.2	19.8

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#26

Dibenzo(a,h)anthracene

Concen: 0.44 ng

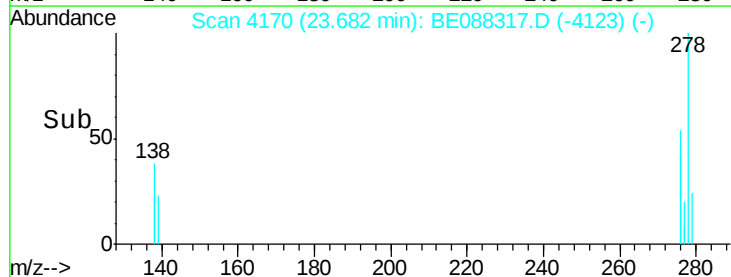
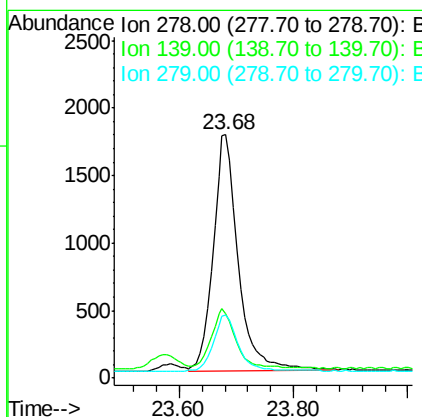
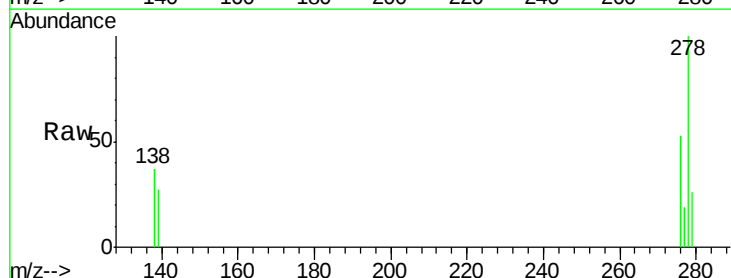
RT: 23.68 min Scan# 4170

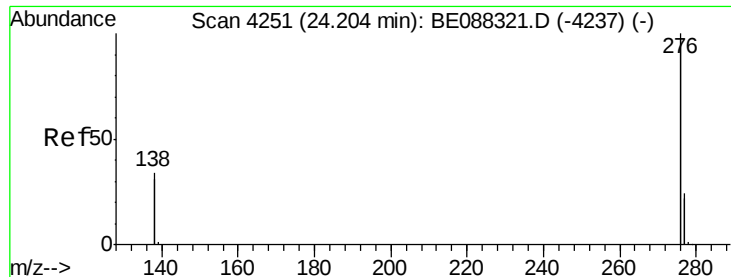
Delta R.T. 0.01 min

Lab File: BE088317.D

Acq: 27 Oct 2014 17:28

Tgt Ion:	278	Resp:	5328
Ion Ratio	Lower	Upper	
278	100		
139	26.5	21.0	31.4
279	25.8	19.8	29.8





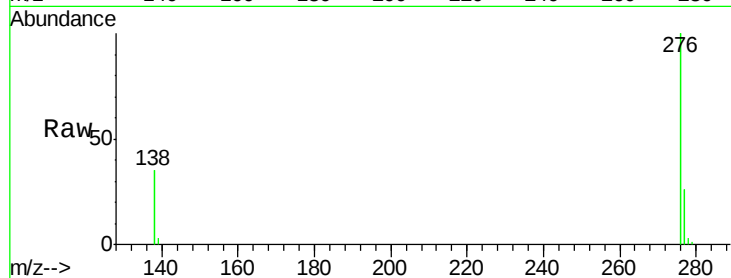
#27
 Benzo(g,h,i)perylene
 Concen: 0.37 ng
 RT: 24.21 min Scan# 4251
 Delta R.T. 0.01 min
 Lab File: BE088317.D
 Acq: 27 Oct 2014 17:28

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.1	28.7
138	35.1	27.0	40.4

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

