

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
 Data File : BE088320.D
 Acq On : 27 Oct 2014 19:06
 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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mohammad
 10/29/2014 11:11:16 AM

Quant Time: Oct 28 01:43:13 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	34696	5.00	ng	0.00
3) Naphthalene-d8	8.67	136	143298	5.00	ng	0.00
7) Acenaphthene-d10	10.81	164	76881	5.00	ng	0.00
12) Phenanthrene-d10	12.93	188	159057	5.00	ng	0.00
16) Chrysene-d12	18.35	240	101723	5.00	ng	0.00
22) Perylene-d12	21.40	264	80232	5.00	ng	0.00

System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	7290	0.82	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	14679	0.69	ng	0.00
18) Terphenyl-d14	16.10	244	12442	0.74	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.29	88	3457	0.72	ng	100
5) Naphthalene	8.69	128	21119	0.72	ng	100
6) 2-Methylnaphthalene	9.55	142	13739	0.78	ng	99
9) Acenaphthylene	10.64	152	85390	0.74	ng	100
10) Acenaphthene	10.85	154	12686	0.70	ng	100
11) Fluorene	11.52	166	14315	0.77	ng	99
13) Phenanthrene	12.96	178	103578	0.68	ng	99
14) Anthracene	13.05	178	81810	0.73	ng	99
15) Fluoranthene	15.21	202	18809	0.80	ng	100
17) Pyrene	15.66	202	19918	0.71	ng	100
19) Benzo(a)anthracene	18.32	228	59913	0.74	ng	100
20) Chrysene	18.40	228	59472	0.66	ng	100
21) Indeno(1,2,3-cd)pyrene	23.58	276	48972m	0.72	ng	
23) Benzo(b)fluoranthene	20.64	252	12755	0.94	ng	100
24) Benzo(k)fluoranthene	20.70	252	13405	0.66	ng	100
25) Benzo(a)pyrene	21.28	252	11487	0.88	ng	100
26) Dibenzo(a,h)anthracene	23.68	278	9824	0.80	ng	99
27) Benzo(g,h,i)perylene	24.20	276	43715	0.68	ng	99

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

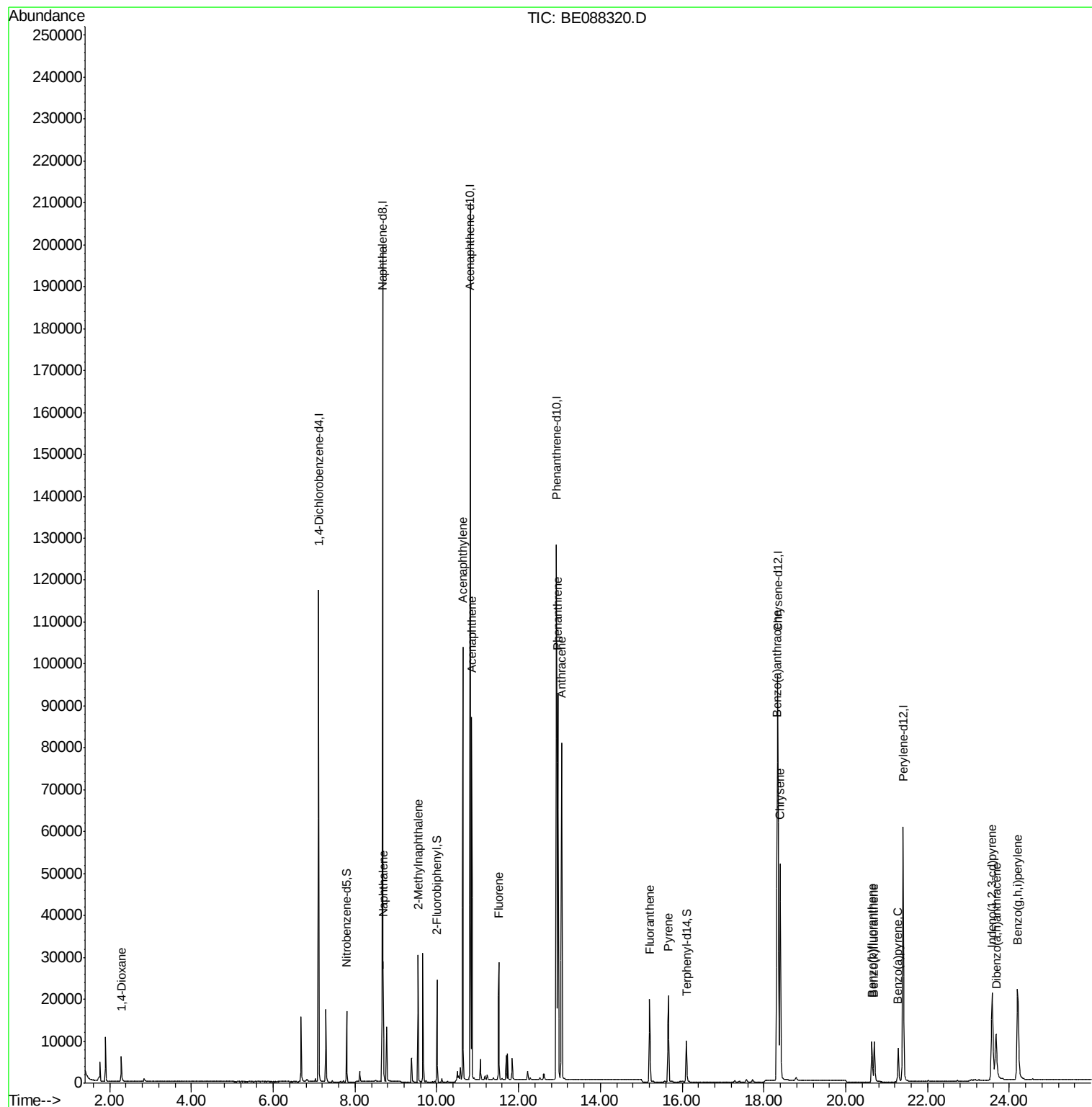
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102714\
Data File : BE088320.D
Acq On : 27 Oct 2014 19:06
Operator : TP/JJ
Sample : SSTDIC0.8
Misc :
ALS Vial : 6 Sample Multiplier: 1

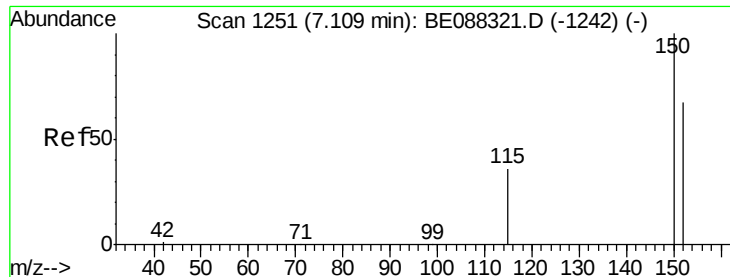
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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# 1251

Delta R.T. 0.00 min

Lab File: BE088320.D

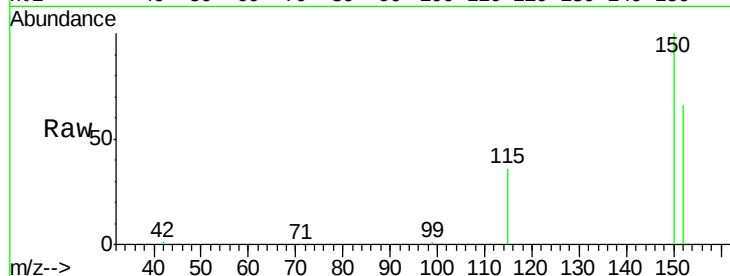
Acq: 27 Oct 2014 19:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8



Tgt Ion: 152 Resp: 34696

Ion Ratio Lower Upper

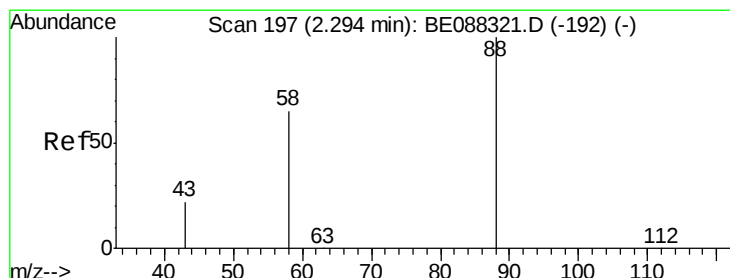
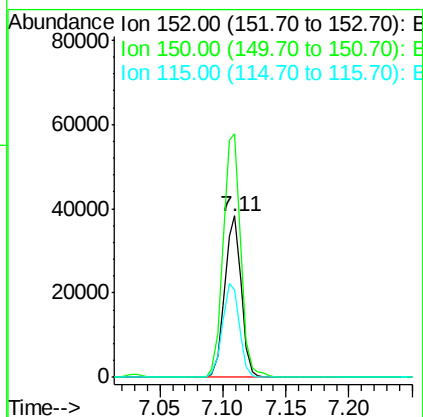
152 100

150 151.0 119.3 178.9

115 54.3 42.6 64.0

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#2

1,4-Dioxane

Concen: 0.72 ng

RT: 2.29 min Scan# 196

Delta R.T. -0.01 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

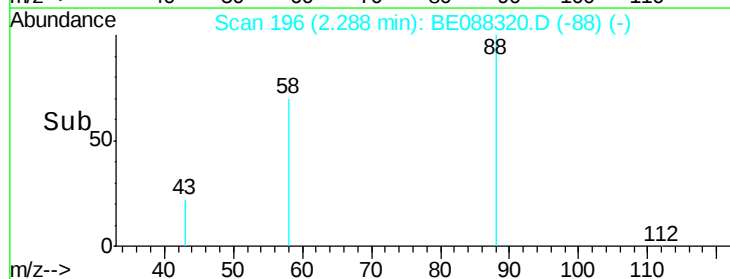
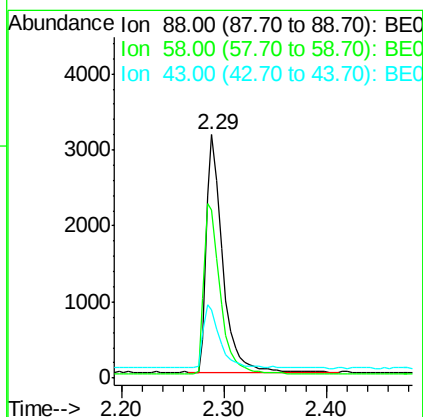
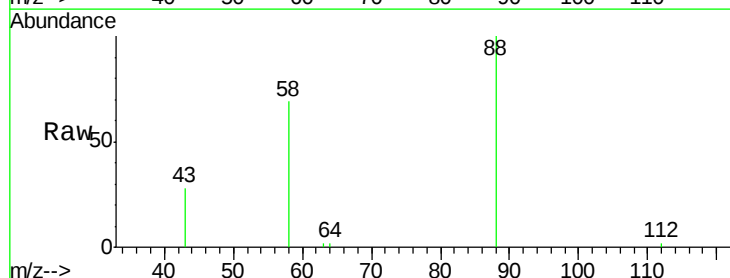
Tgt Ion: 88 Resp: 3457

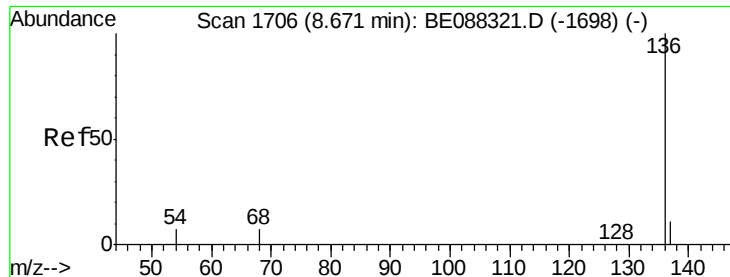
Ion Ratio Lower Upper

88 100

58 74.5 59.4 89.0

43 27.2 21.4 32.2





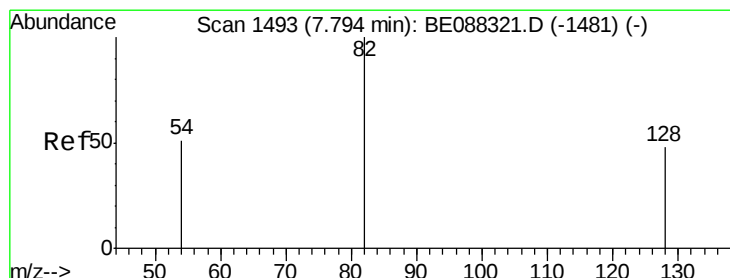
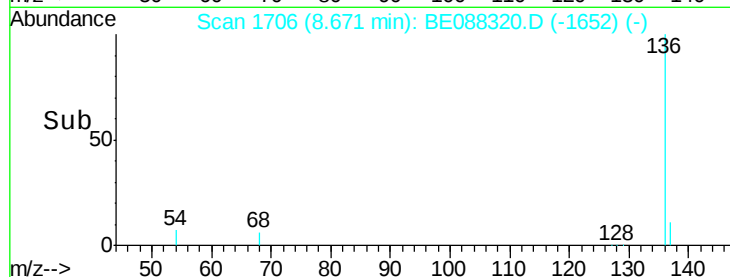
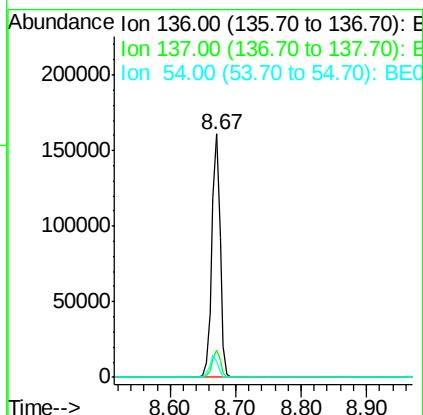
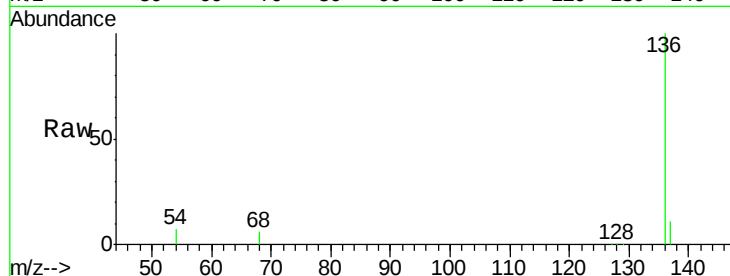
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.67 min Scan# 1706
Delta R.T. 0.00 min
Lab File: BE088320.D
Acq: 27 Oct 2014 19:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	143298		
137	11.1	8.8	13.2	
54	6.6	5.5	8.3	

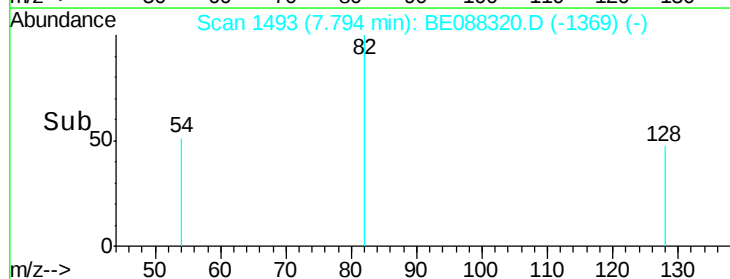
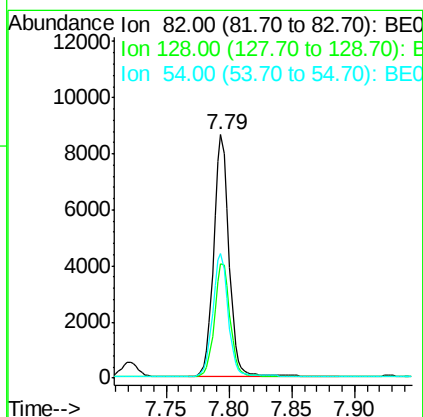
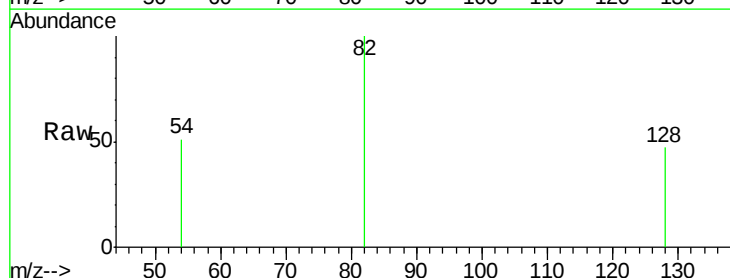
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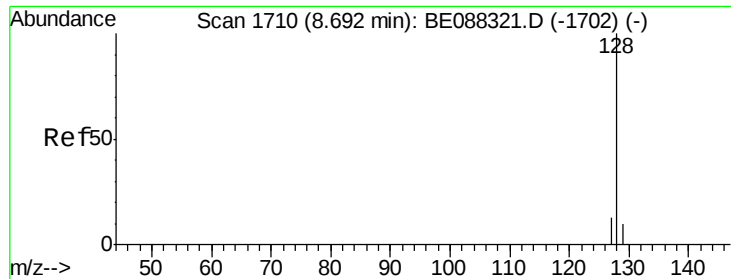
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#4
Nitrobenzene-d5
Concen: 0.82 ng
RT: 7.79 min Scan# 1493
Delta R.T. -0.00 min
Lab File: BE088320.D
Acq: 27 Oct 2014 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	7290		
128	47.2	38.7	58.1	
54	51.1	41.0	61.4	





#5

Naphthalene

Concen: 0.72 ng

RT: 8.69 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Instrument :

BNA_E

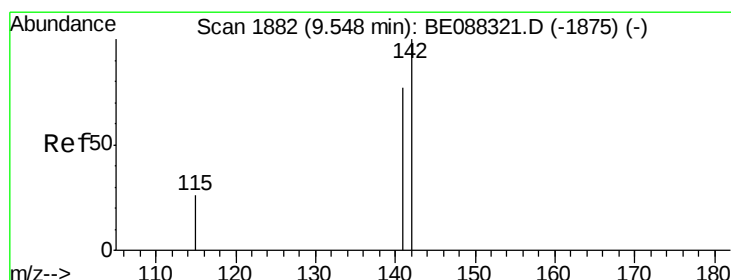
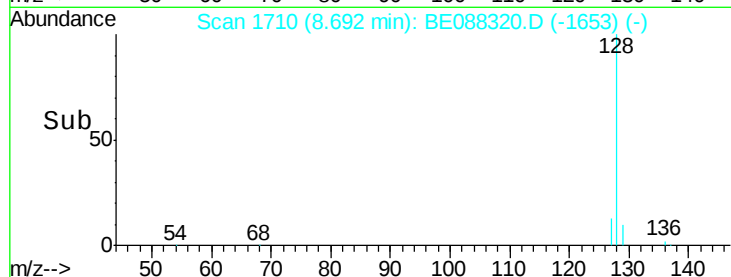
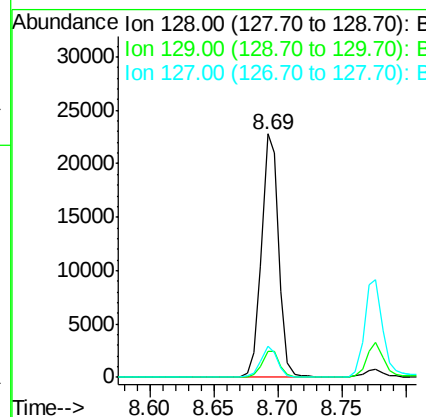
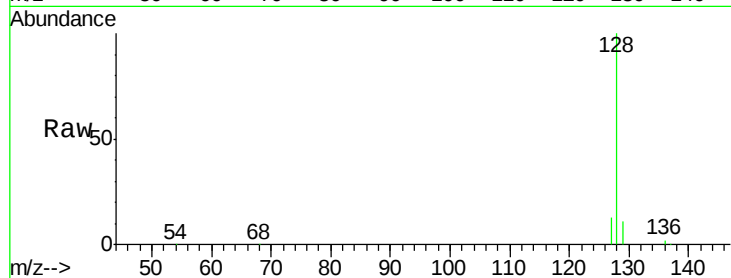
ClientSampleId :

SSTDICC0.8

Tgt Ion:	128	Resp:	21119
Ion Ratio	Lower	Upper	
128	100		
129	10.6	8.5	12.7
127	12.8	10.2	15.2

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#6

2-Methylnaphthalene

Concen: 0.78 ng

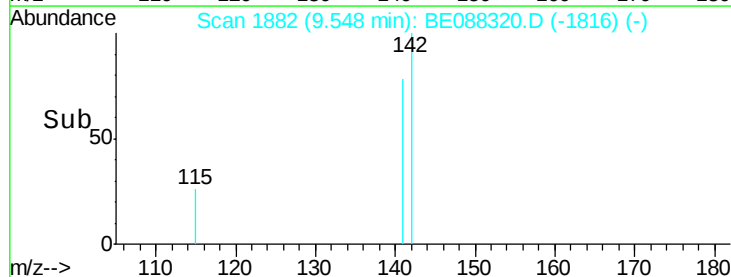
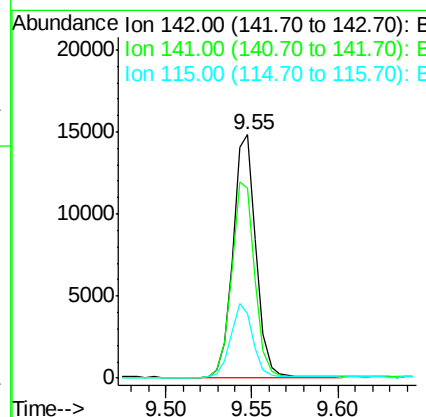
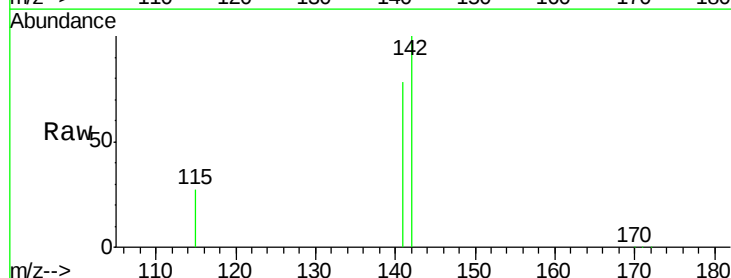
RT: 9.55 min Scan# 1882

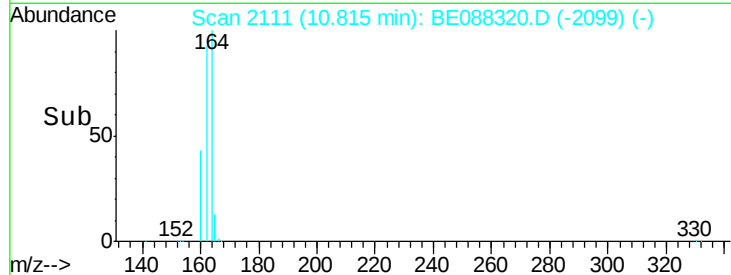
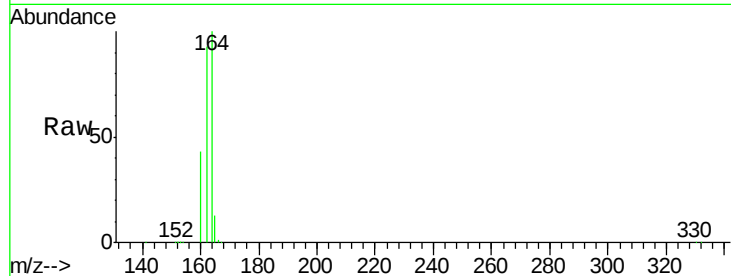
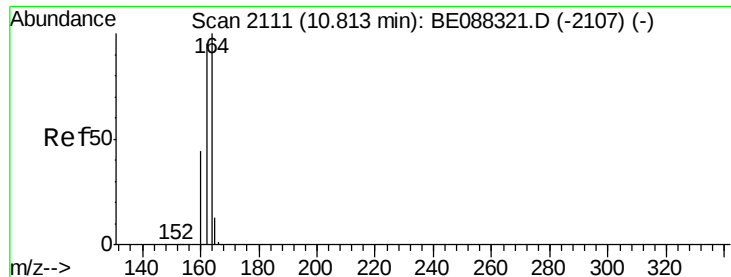
Delta R.T. 0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Tgt Ion:	142	Resp:	13739
Ion Ratio	Lower	Upper	
142	100		
141	77.8	61.4	92.0
115	26.6	21.0	31.6





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.81 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Tgt Ion:	164	Resp:	76881
Ion Ratio	Lower	Upper	
164	100		
162	92.8	75.7	113.5
160	42.7	35.6	53.4

Instrument :

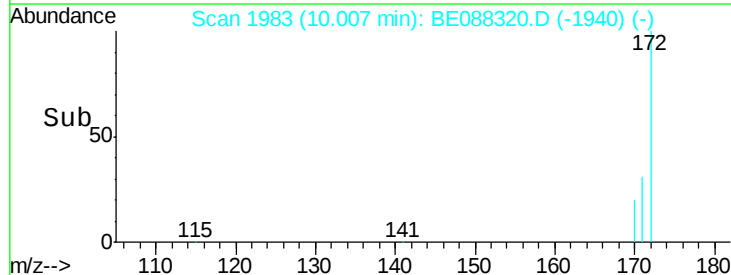
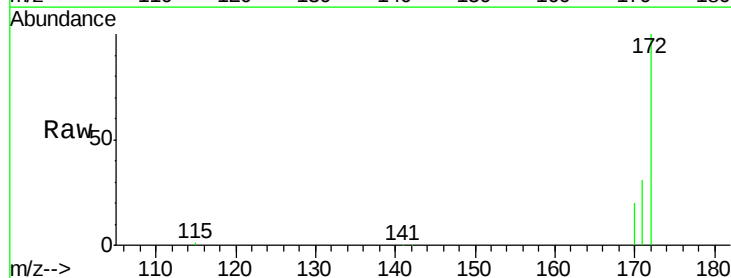
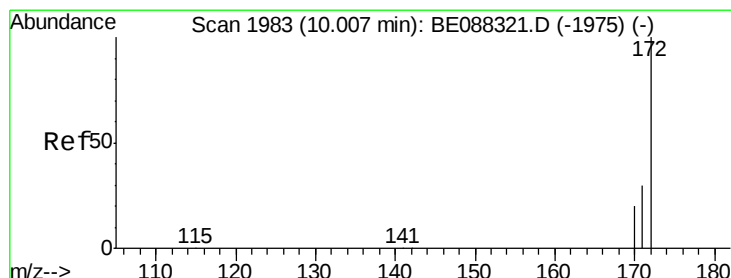
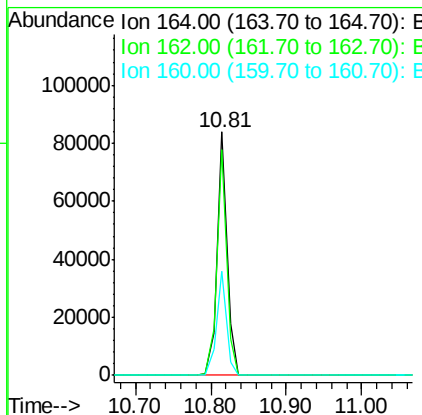
BNA_E

ClientSampleId :

SSTDIC0.8

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#8

2-Fluorobiphenyl

Concen: 0.69 ng

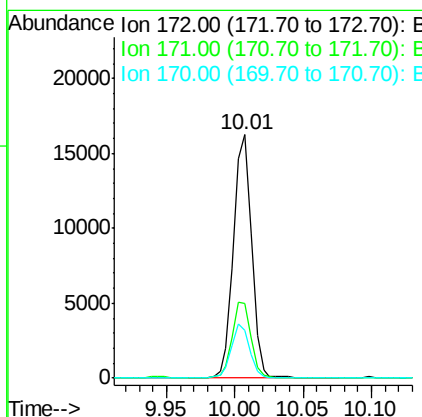
RT: 10.01 min Scan# 1983

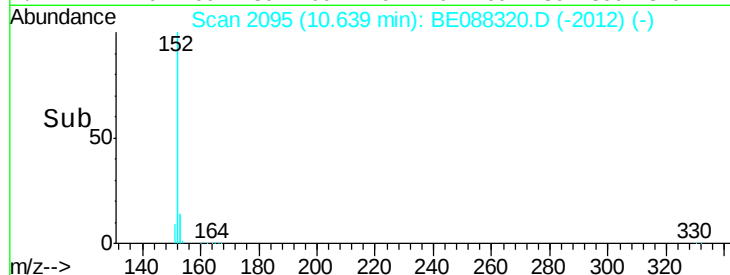
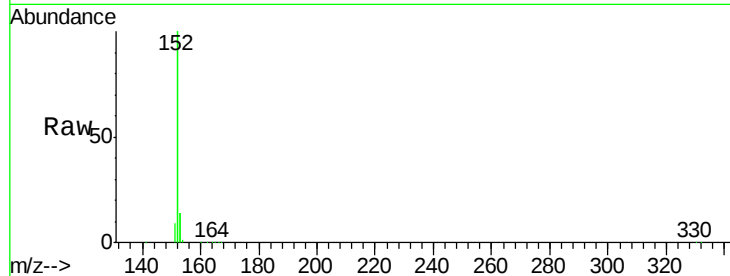
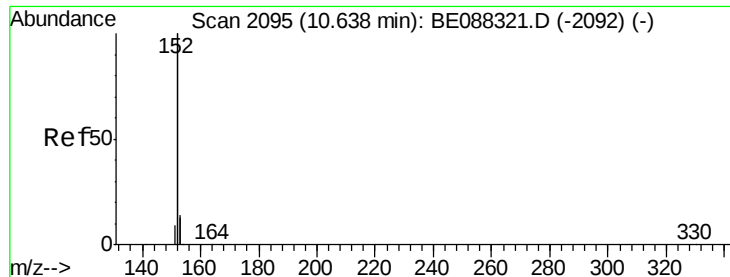
Delta R.T. 0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Tgt Ion:	172	Resp:	14679
Ion Ratio	Lower	Upper	
172	100		
171	30.8	24.5	36.7
170	19.9	15.8	23.6





#9

Acenaphthylene

Concen: 0.74 ng

RT: 10.64 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Instrument :

BNA_E

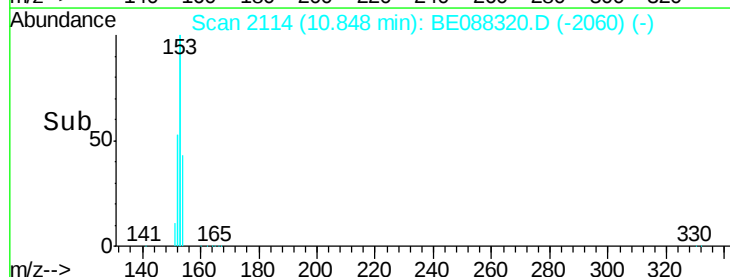
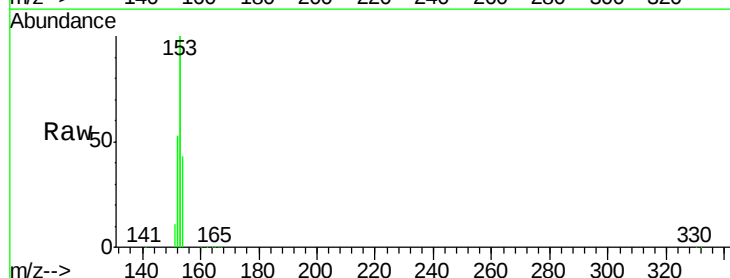
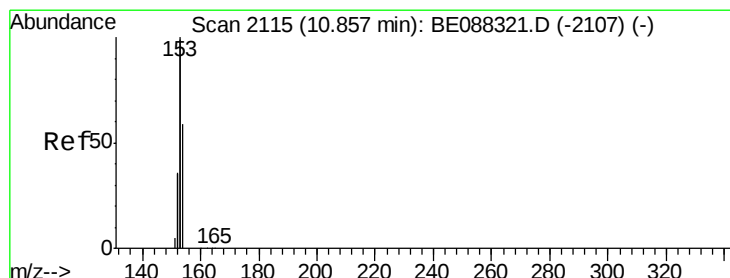
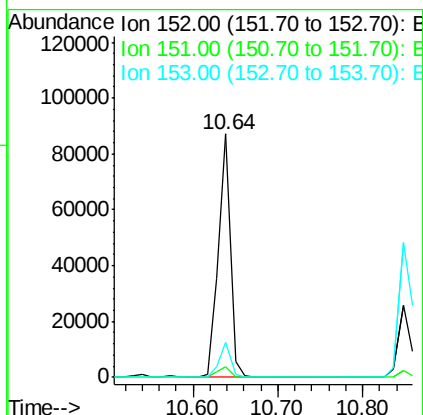
ClientSampleId :

SSTDIC0.8

Tgt Ion:	152	Resp:	85390
Ion Ratio	Lower	Upper	
152	100		
151	4.7	3.7	5.5
153	13.1	10.5	15.7

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#10

Acenaphthene

Concen: 0.70 ng

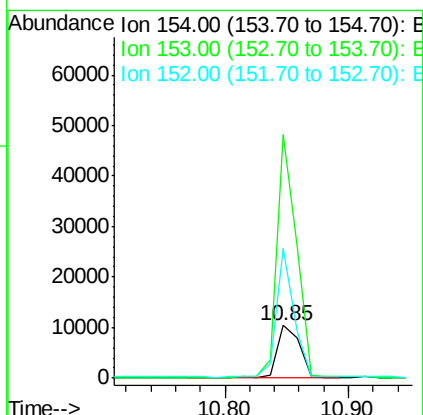
RT: 10.85 min Scan# 2114

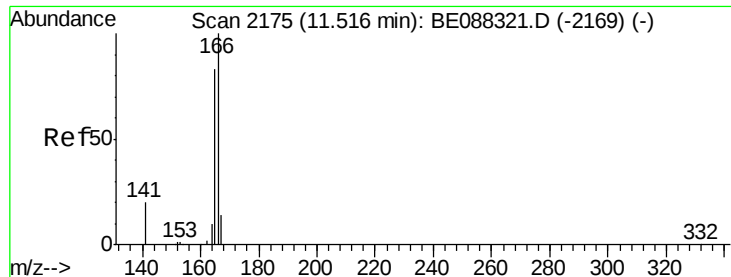
Delta R.T. -0.01 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Tgt Ion:	154	Resp:	12686
Ion Ratio	Lower	Upper	
154	100		
153	403.8	323.8	485.6
152	194.1	154.8	232.2





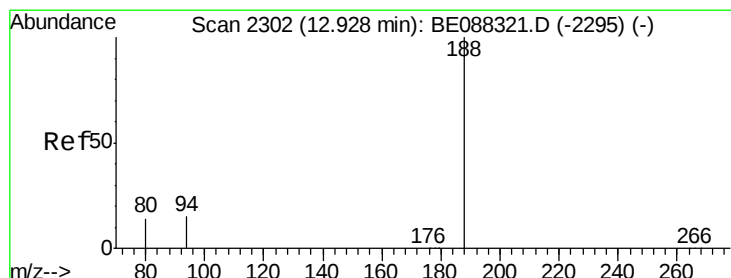
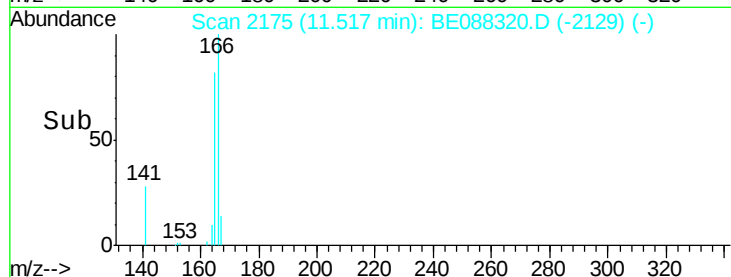
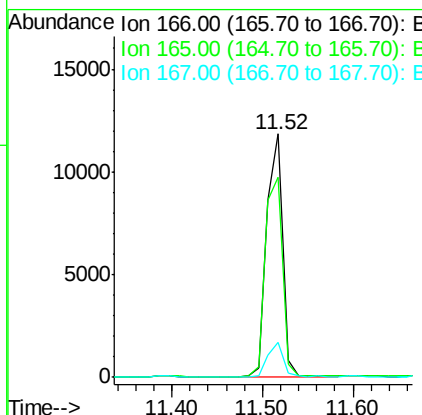
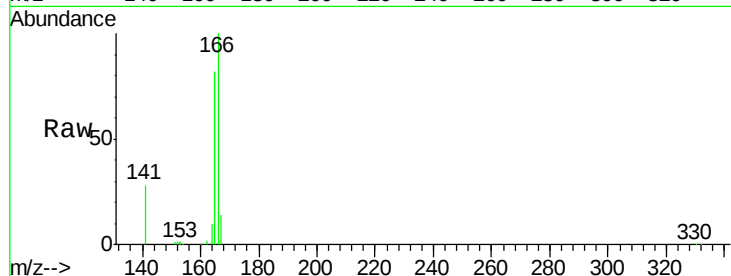
#11
Fluorene
 Concen: 0.77 ng
 RT: 11.52 min Scan# 2175
 Delta R.T. 0.00 min
 Lab File: BE088320.D
 Acq: 27 Oct 2014 19:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.6	70.6	105.8
167	13.5	10.7	16.1

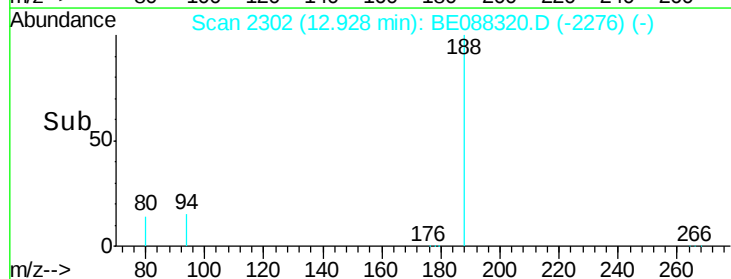
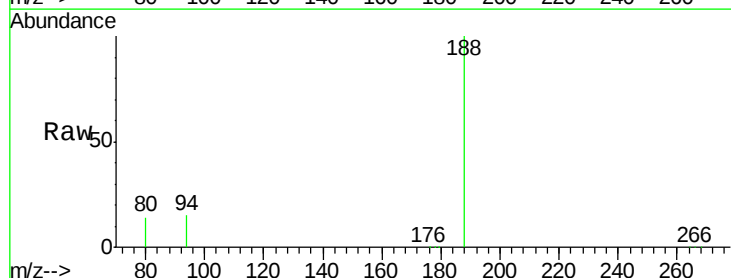
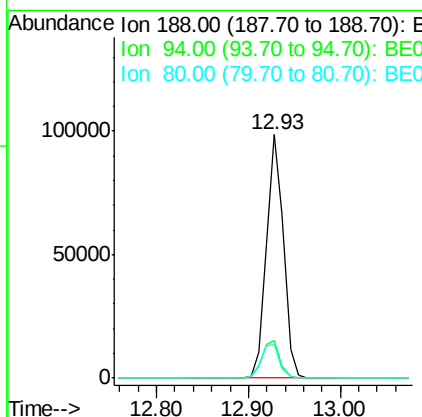
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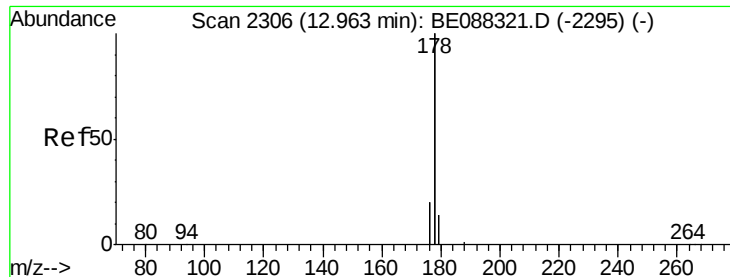
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#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.93 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: BE088320.D
 Acq: 27 Oct 2014 19:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	15.3	12.0	18.0
80	14.0	11.3	16.9





#13

Phenanthrene

Concen: 0.68 ng

RT: 12.96 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Instrument :

BNA_E

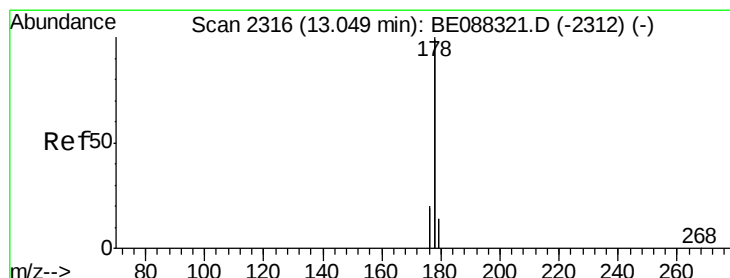
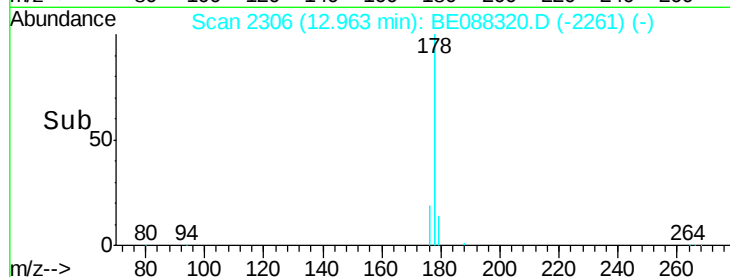
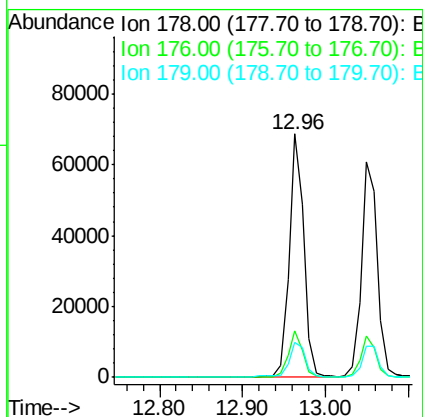
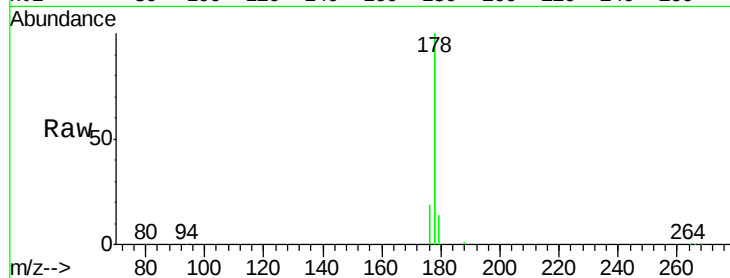
ClientSampleId :

SSTDIC0.8

Tgt Ion:	178	Resp:	103578
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.6
179	17.0	13.2	19.8

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#14

Anthracene

Concen: 0.73 ng

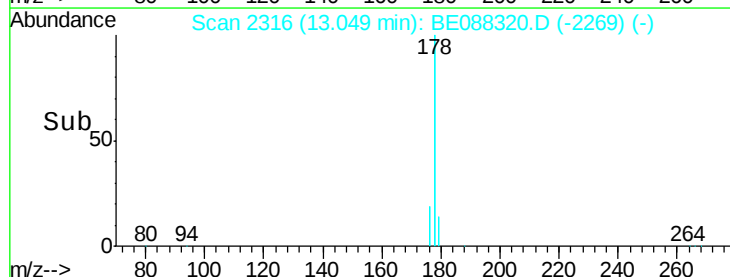
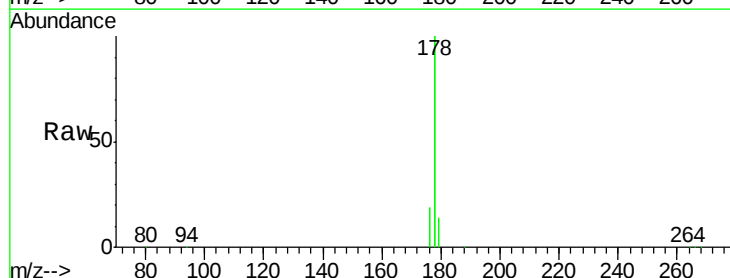
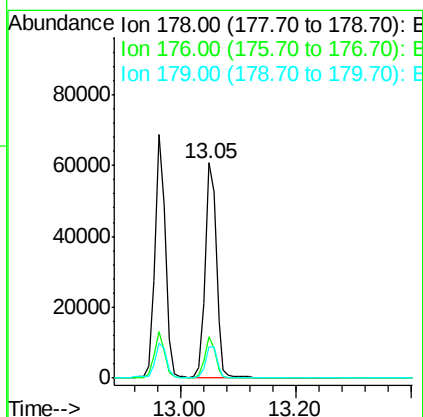
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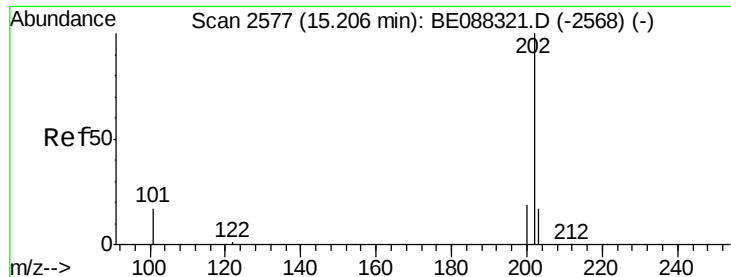
Delta R.T. 0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Tgt Ion:	178	Resp:	81810
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.6	21.8
179	15.1	12.6	18.8





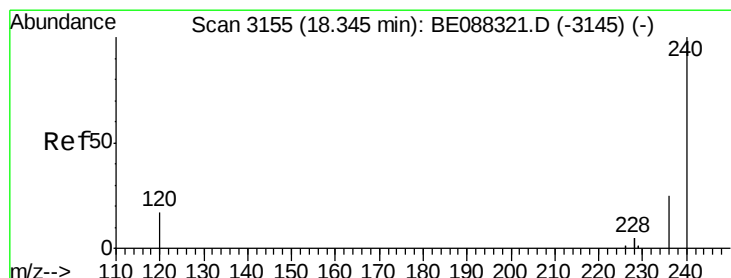
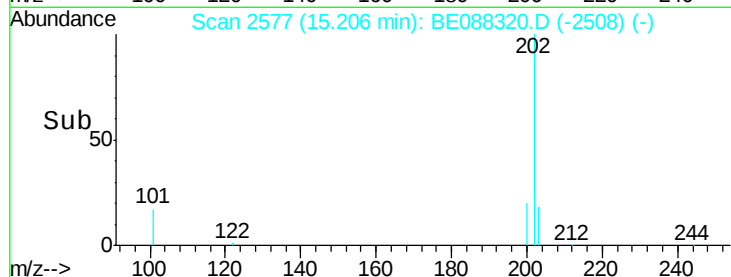
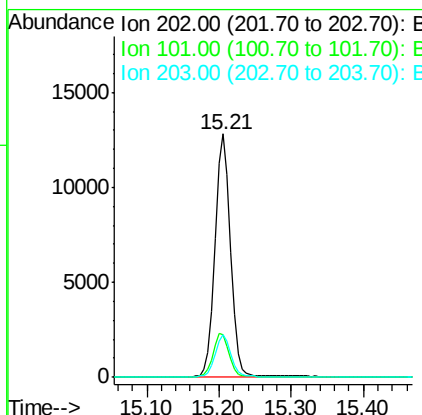
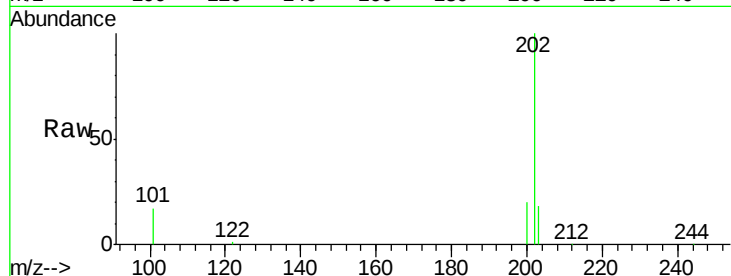
#15
 Fluoranthene
 Concen: 0.80 ng
 RT: 15.21 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: BE088320.D
 Acq: 27 Oct 2014 19:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.0	14.6	21.8
203	17.3	13.8	20.6

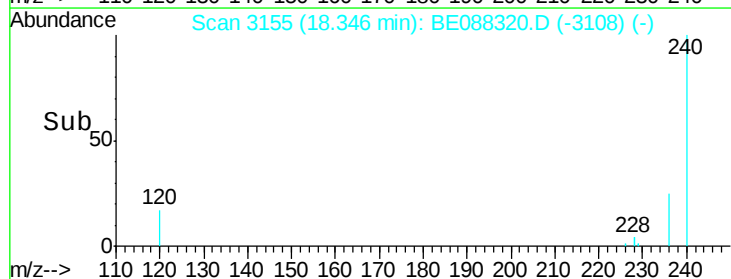
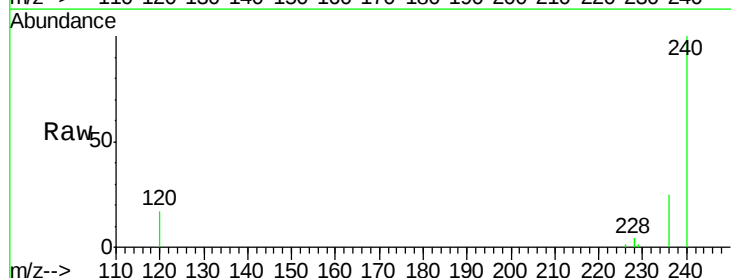
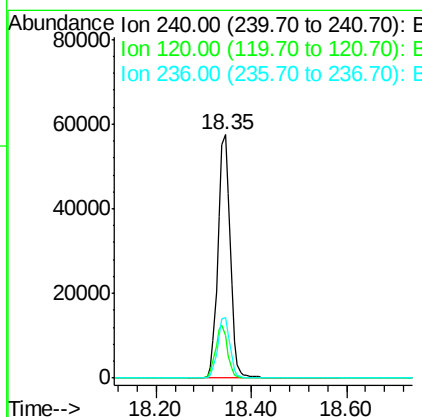
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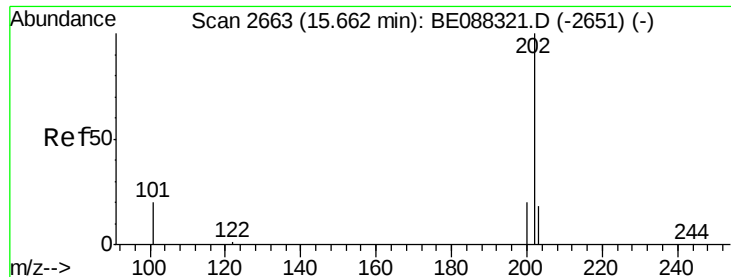
mohammad
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.35 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: BE088320.D
 Acq: 27 Oct 2014 19:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	17.4	13.4	20.0
236	24.9	20.0	30.0





#17

Pyrene

Concen: 0.71 ng

RT: 15.66 min Scan# 2663

Delta R.T. -0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Instrument :

BNA_E

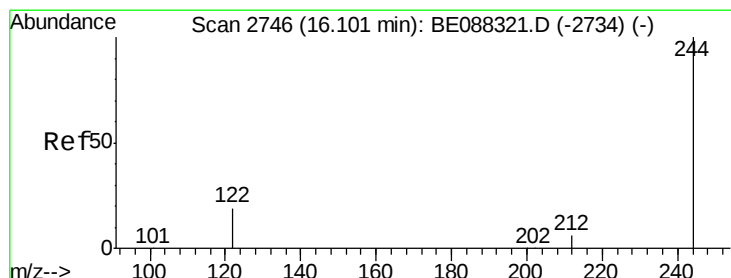
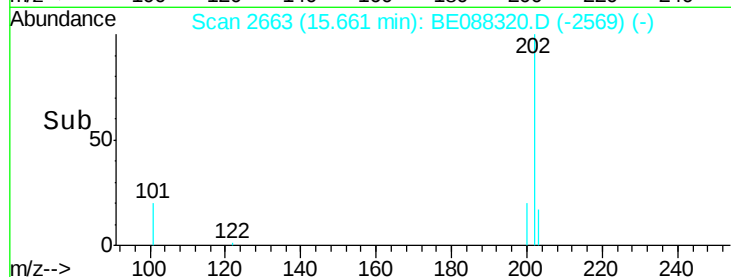
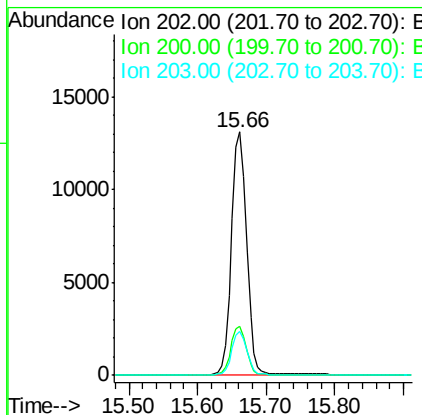
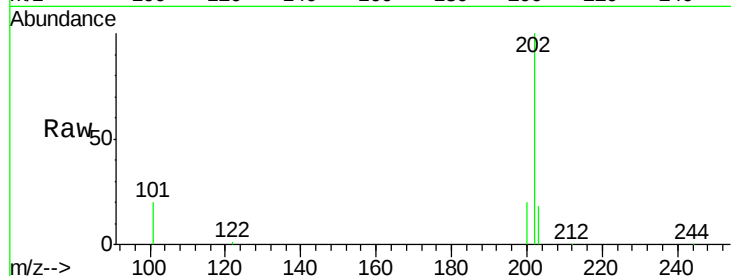
ClientSampleId :

SSTDIC0.8

Tgt Ion:	202	Resp:	19918
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.1	24.1
203	17.5	13.9	20.9

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#18

Terphenyl-d14

Concen: 0.74 ng

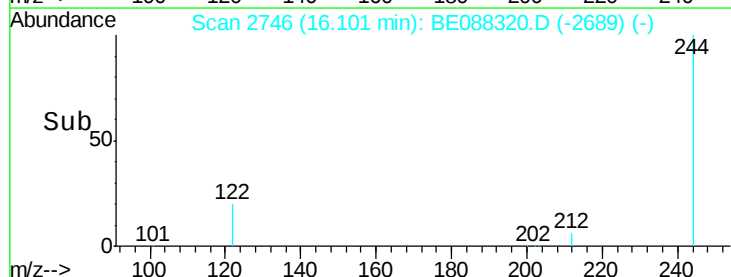
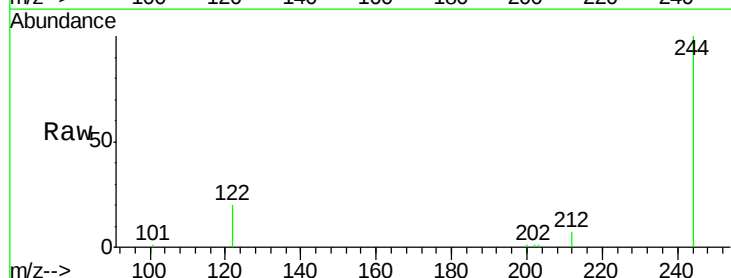
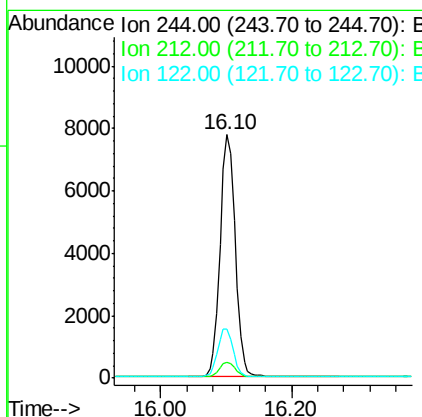
RT: 16.10 min Scan# 2746

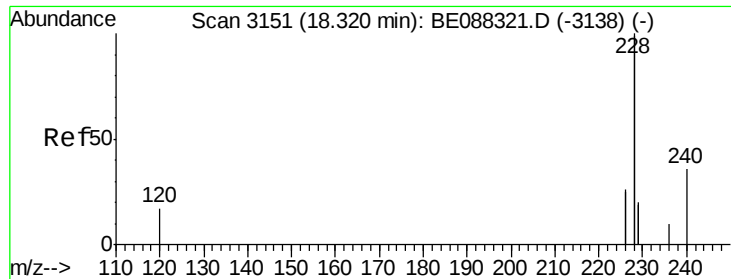
Delta R.T. -0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Tgt Ion:	244	Resp:	12442
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.1	7.7
122	20.3	15.8	23.8





#19

Benzo(a)anthracene

Concen: 0.74 ng

RT: 18.32 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BE088320.D

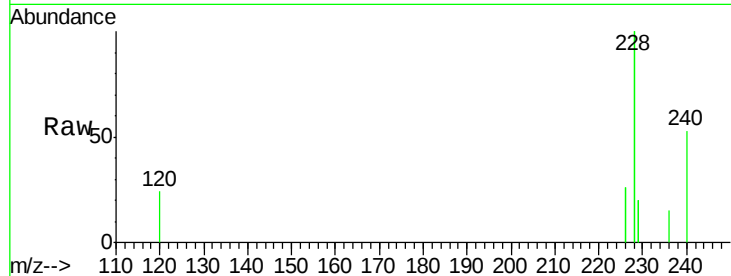
Acq: 27 Oct 2014 19:06

Instrument :

BNA_E

ClientSampleId :

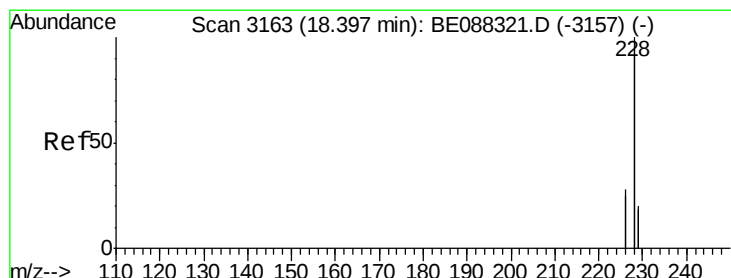
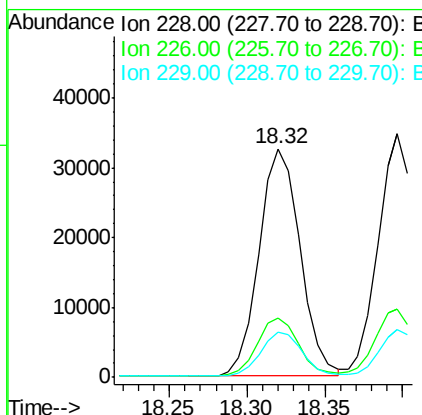
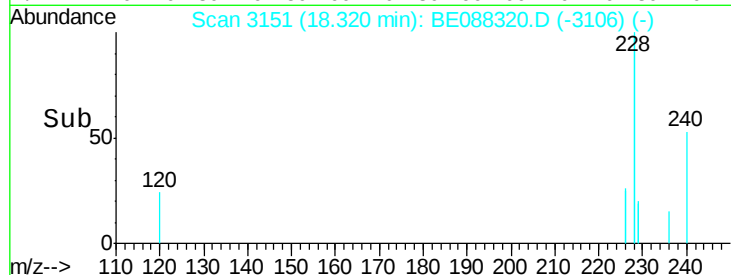
SSTDIC0.8



Tgt Ion:	228	Resp:	59913
Ion Ratio	Lower	Upper	
228	100		
226	25.7	20.7	31.1
229	19.9	15.7	23.5

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#20

Chrysene

Concen: 0.66 ng

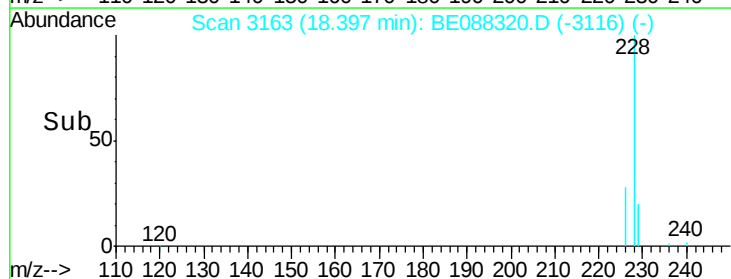
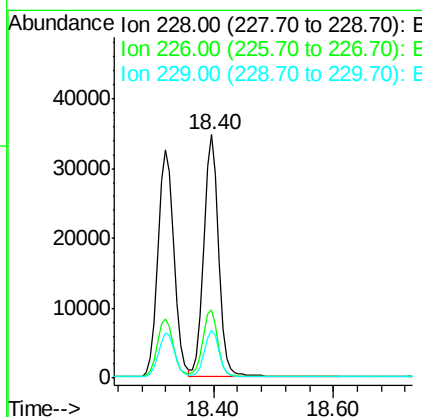
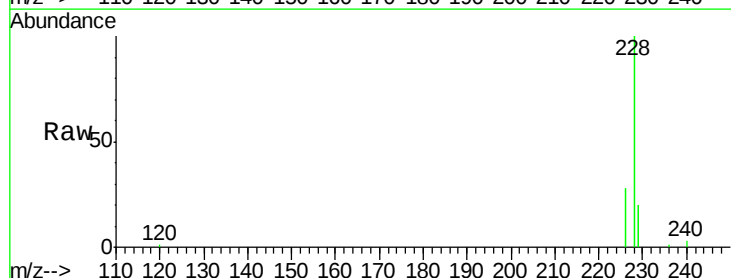
RT: 18.40 min Scan# 3163

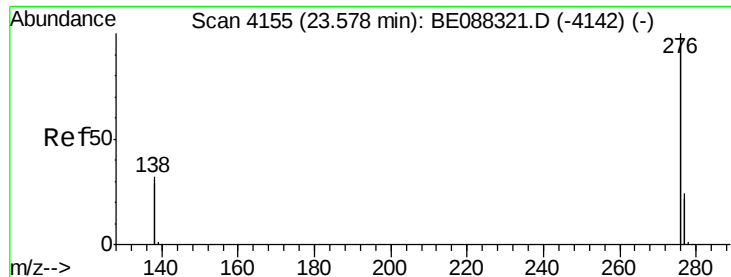
Delta R.T. 0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Tgt Ion:	228	Resp:	59472
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.7	34.1
229	19.8	15.6	23.4





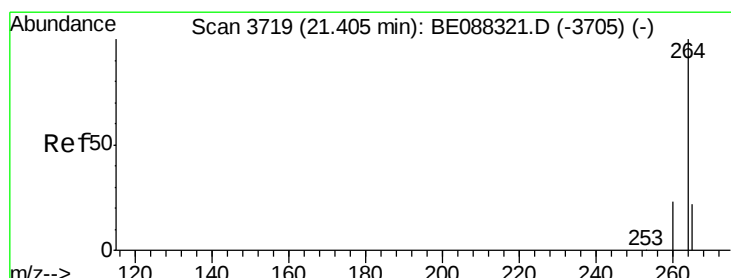
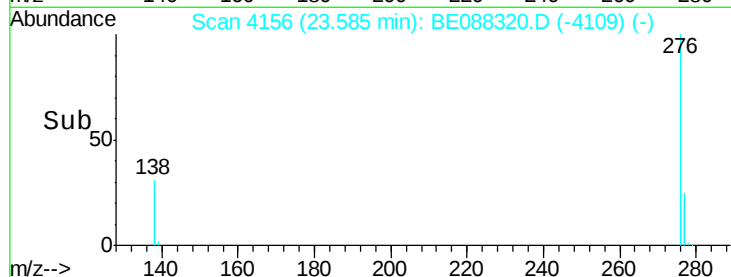
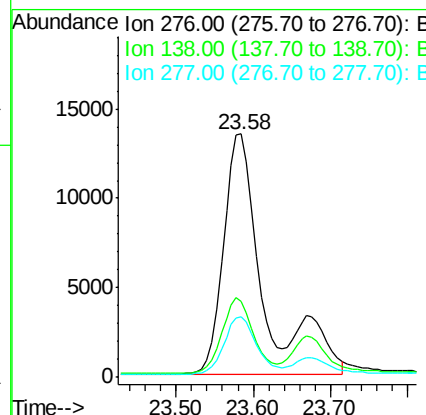
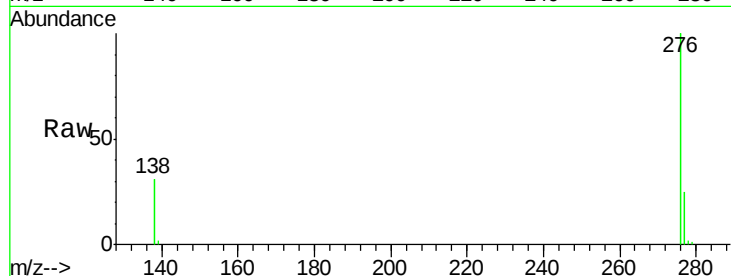
#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.72 ng m
 RT: 23.58 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: BE088320.D
 Acq: 27 Oct 2014 19:06

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

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

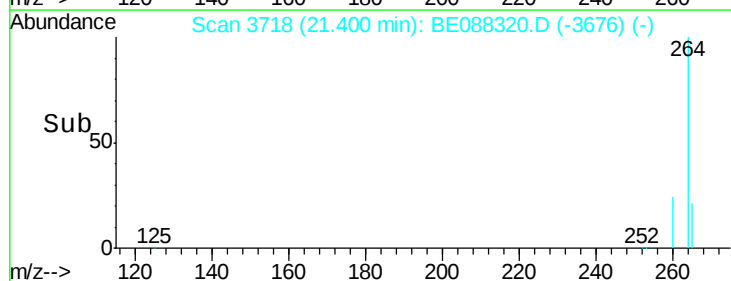
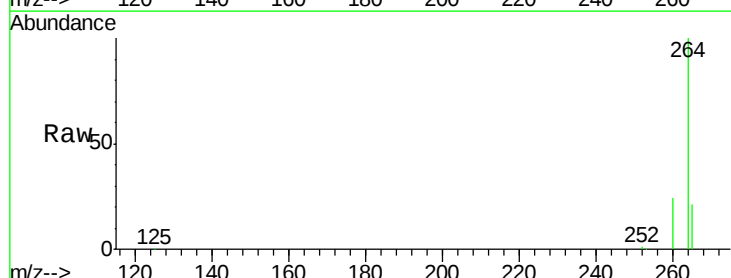
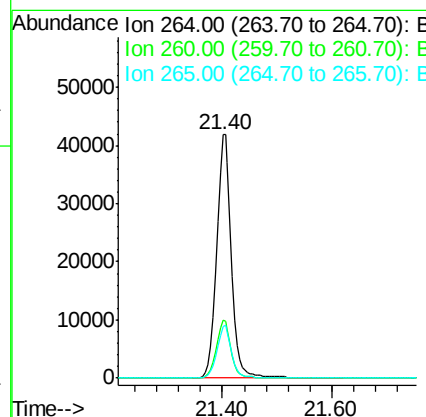
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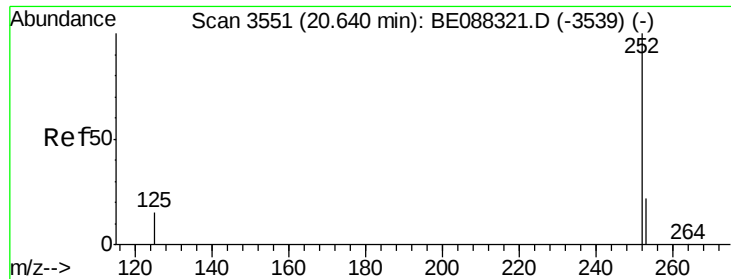
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#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 3718
 Delta R.T. -0.00 min
 Lab File: BE088320.D
 Acq: 27 Oct 2014 19:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.3	17.4	26.0





#23

Benzo(b)fluoranthene

Concen: 0.94 ng

RT: 20.64 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE088320.D

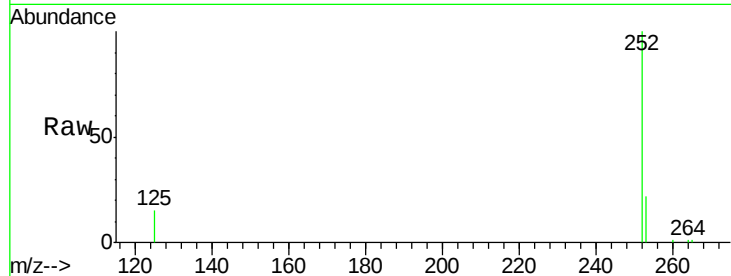
Acq: 27 Oct 2014 19:06

Instrument :

BNA_E

ClientSampleId :

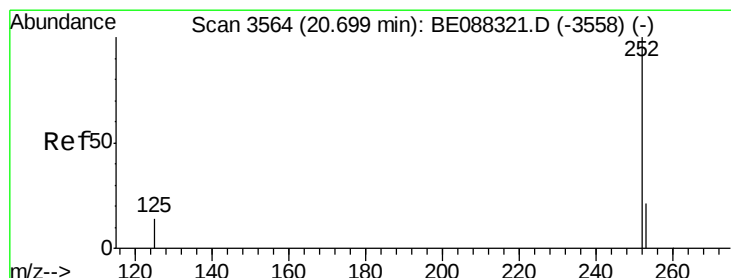
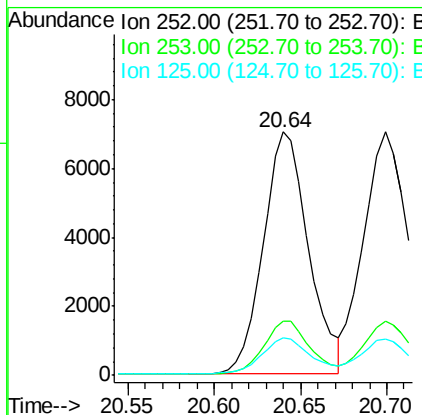
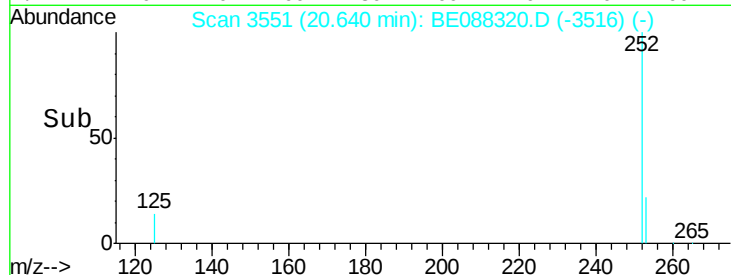
SSTDIC0.8



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	15.3	12.2	18.2

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#24

Benzo(k)fluoranthene

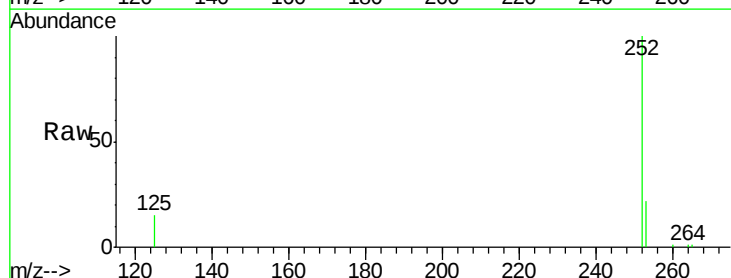
Concen: 0.66 ng

RT: 20.70 min Scan# 3564

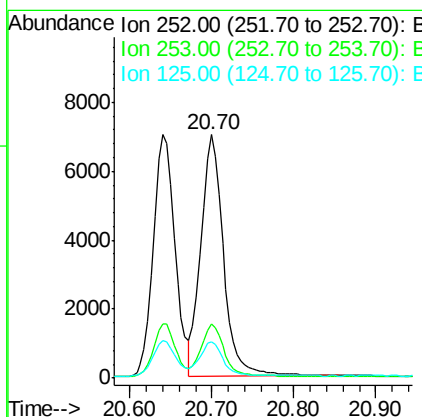
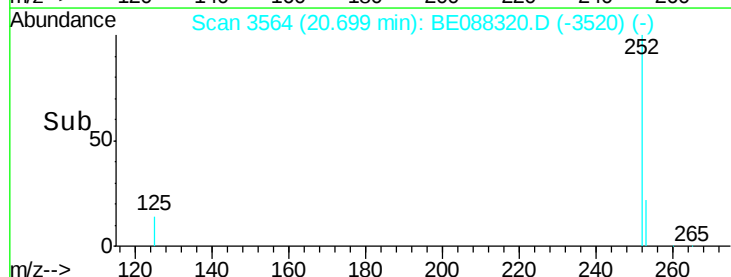
Delta R.T. -0.00 min

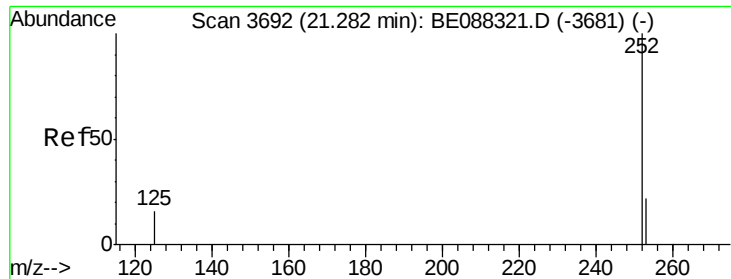
Lab File: BE088320.D

Acq: 27 Oct 2014 19:06



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	15.0	11.9	17.9





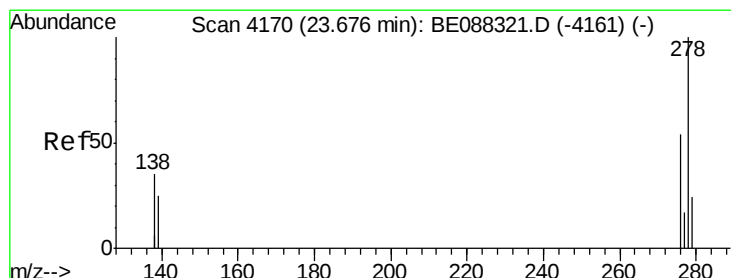
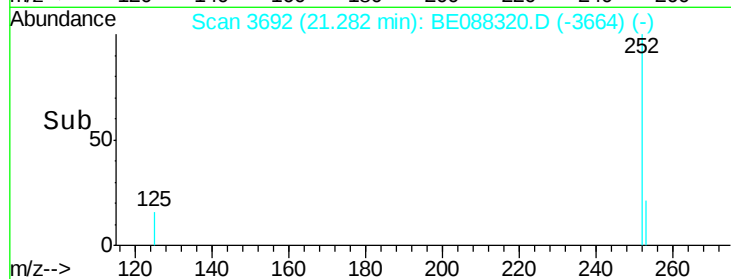
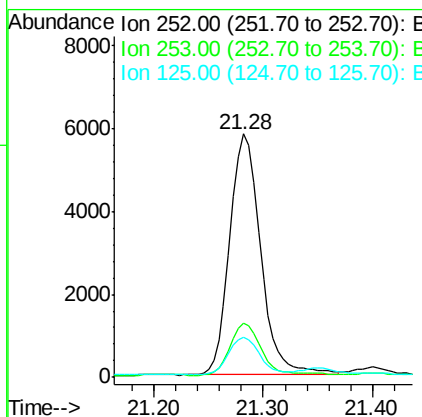
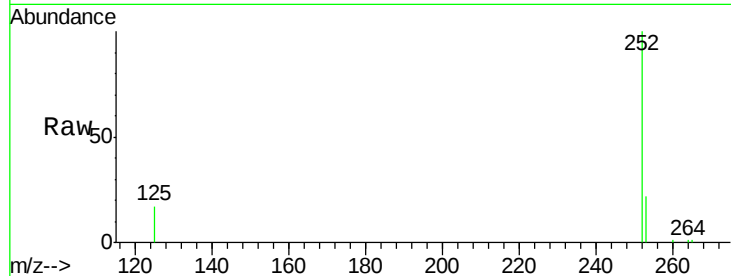
#25
Benzo(a)pyrene
Concen: 0.88 ng
RT: 21.28 min Scan# 3692
Delta R.T. -0.00 min
Lab File: BE088320.D
Acq: 27 Oct 2014 19:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	16.7	13.2	19.8

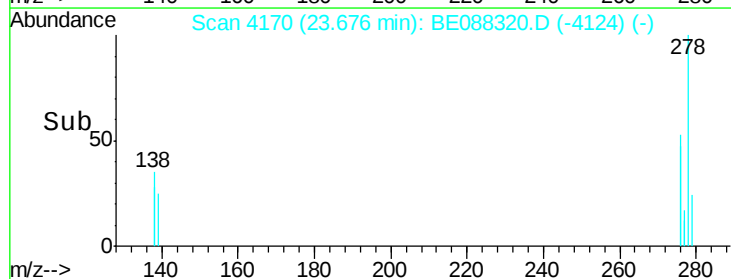
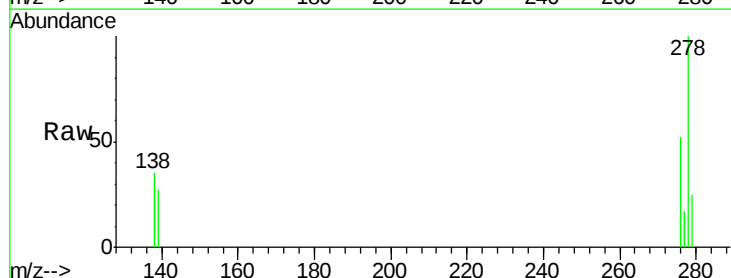
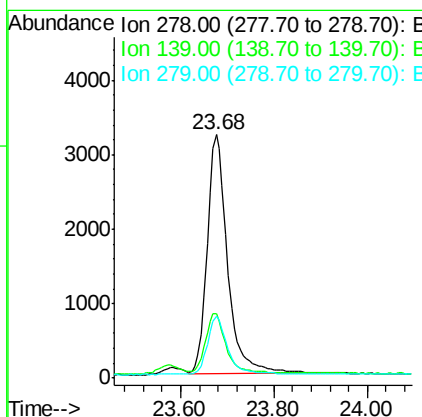
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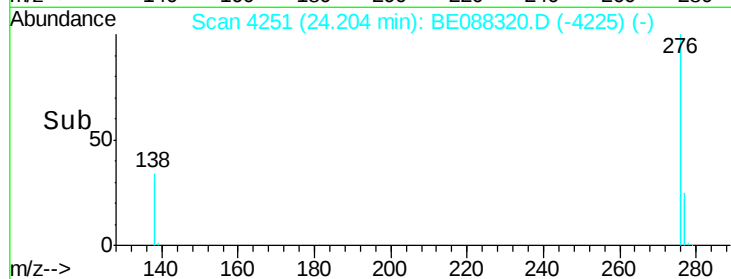
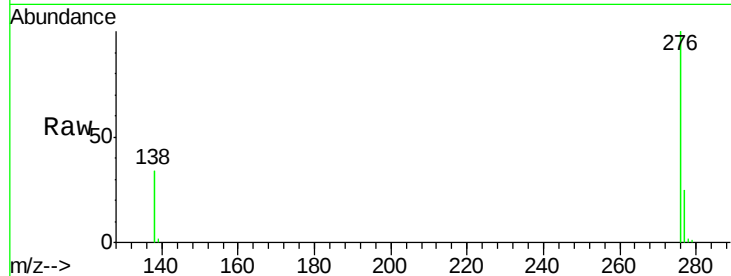
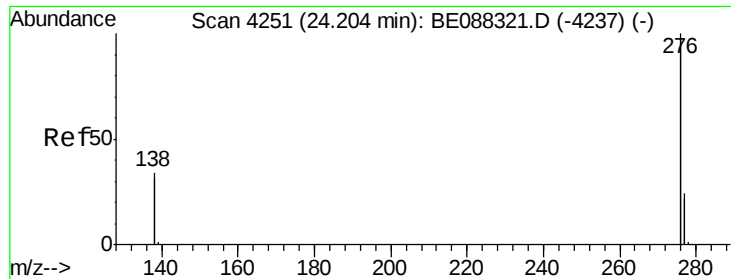
mohammad
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#26
Dibenzo(a,h)anthracene
Concen: 0.80 ng
RT: 23.68 min Scan# 4170
Delta R.T. 0.00 min
Lab File: BE088320.D
Acq: 27 Oct 2014 19:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.7	21.0	31.4
279	25.3	19.8	29.8





#27

Benzo(g,h,i)perylene

Concen: 0.68 ng

RT: 24.20 min Scan# 4251

Delta R.T. 0.00 min

Lab File: BE088320.D

Acq: 27 Oct 2014 19:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

Tgt	Ion	276	Resp:	43715
Ion	Ratio	Lower	Upper	
276	100			
277	24.8	19.1	28.7	
138	34.0	27.0	40.4	

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