

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088216.D
 Acq On : 24 Oct 2014 17:09
 Operator : TP/JJ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE102414

Manual Integrations
 APPROVED

mohammad
 10/28/2014 12:22:29 PM

Quant Time: Oct 27 13:10:08 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 13:04:40 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	50459	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	190449	5.00	ng	0.00
7) Acenaphthene-d10	10.83	164	84862	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	147219	5.00	ng	0.00
16) Chrysene-d12	18.34	240	89367	5.00	ng	0.00
22) Perylene-d12	21.40	264	80909	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	13382	1.05	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	26185	1.11	ng	0.00
18) Terphenyl-d14	16.11	244	15776	1.08	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.39	88	7781	1.11	ng	98
5) Naphthalene	8.70	128	42647	1.10	ng	99
6) 2-Methylnaphthalene	9.55	142	25839	1.11	ng	97
9) Acenaphthylene	10.64	152	143526	1.13	ng	100
10) Acenaphthene	10.86	154	21608	1.08	ng	99
11) Fluorene	11.52	166	23030	1.12	ng	100
13) Phenanthrene	12.97	178	152988	1.08	ng	96
14) Anthracene	13.06	178	116979	1.12	ng	100
15) Fluoranthene	15.21	202	24078	1.12	ng	99
17) Pyrene	15.67	202	26571	1.08	ng	100
19) Benzo(a)anthracene	18.33	228	73431	1.04	ng	100
20) Chrysene	18.40	228	84480	1.06	ng	99
21) Indeno(1,2,3-cd)pyrene	23.58	276	64575m	0.98	ng	
23) Benzo(b)fluoranthene	20.64	252	14275	0.97	ng	100
24) Benzo(k)fluoranthene	20.70	252	23127	1.11	ng	99
25) Benzo(a)pyrene	21.28	252	14593	1.00	ng	100
26) Dibenzo(a,h)anthracene	23.67	278	13642	1.02	ng	99
27) Benzo(g,h,i)perylene	24.20	276	70844	1.09	ng	100

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

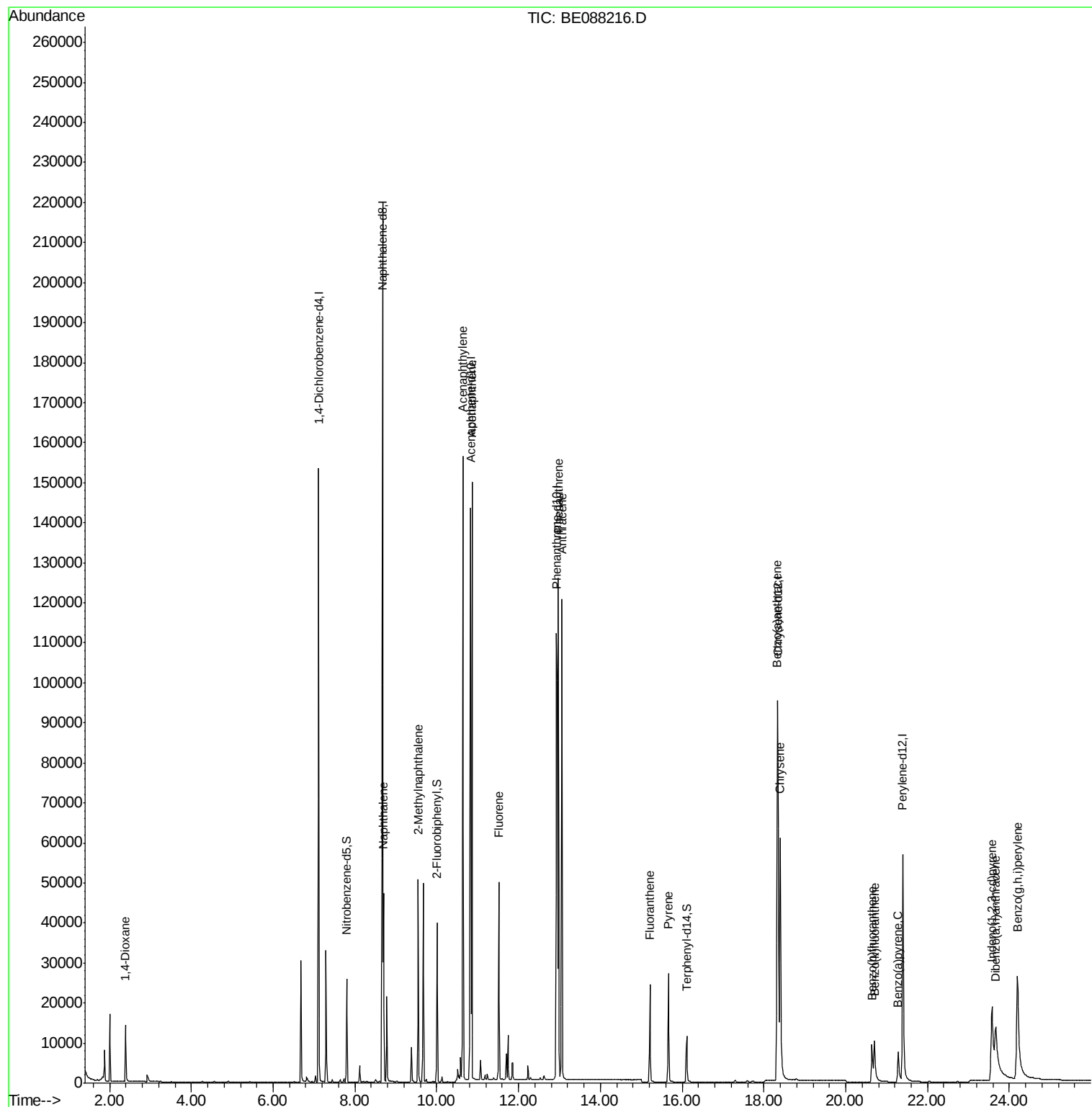
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
Data File : BE088216.D
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Sample : SSTDICV001
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ALS Vial : 11 Sample Multiplier: 1

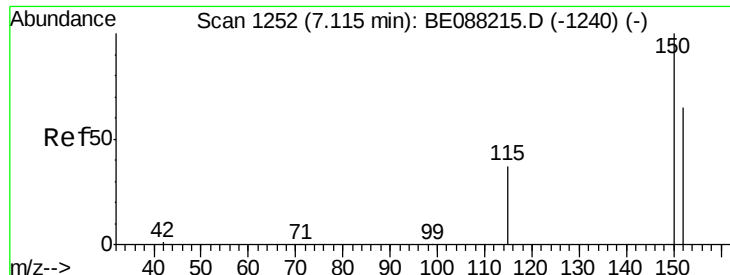
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088216.D

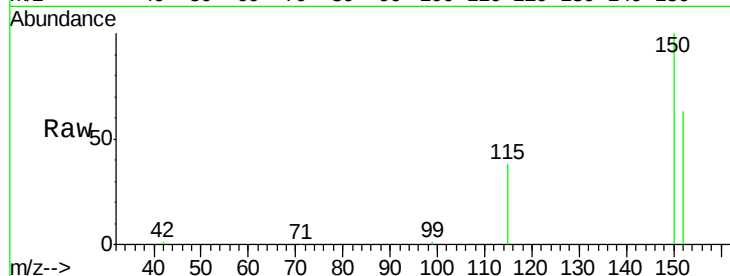
Acq: 24 Oct 2014 17:09

Instrument :

BNA_E

ClientSampleId :

ICVBE102414



Tgt Ion: 152 Resp: 50459

Ion Ratio Lower Upper

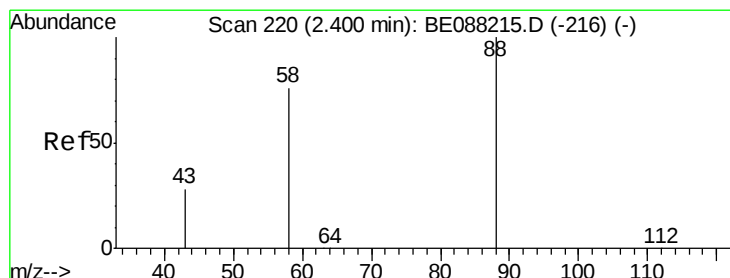
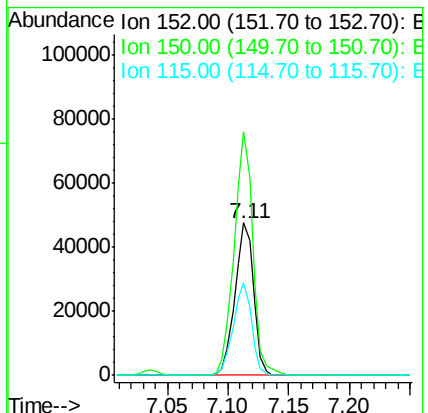
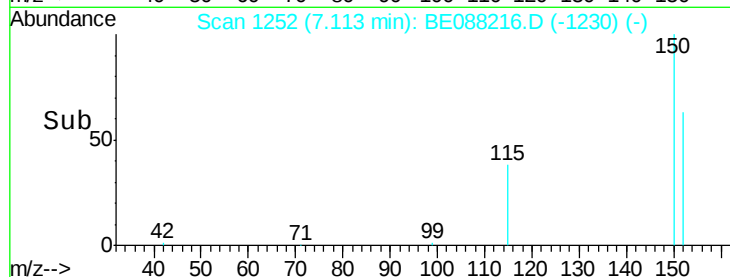
152 100

150 159.5 123.2 184.8

115 61.0 45.3 67.9

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#2

1,4-Dioxane

Concen: 1.11 ng

RT: 2.39 min Scan# 218

Delta R.T. -0.01 min

Lab File: BE088216.D

Acq: 24 Oct 2014 17:09

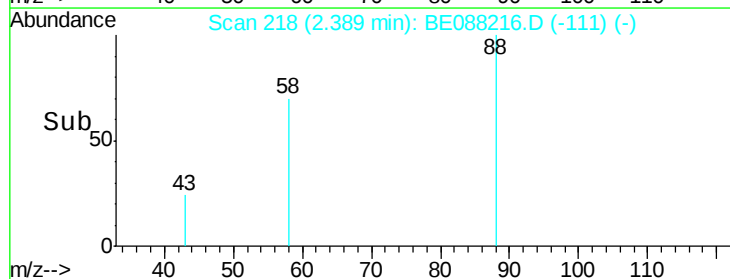
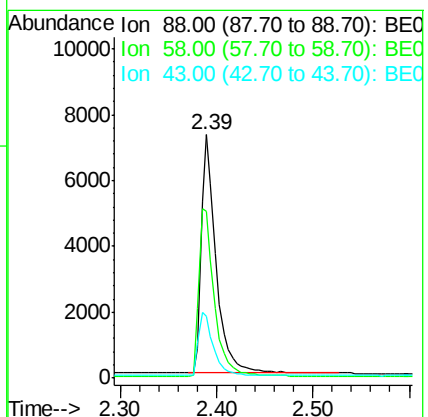
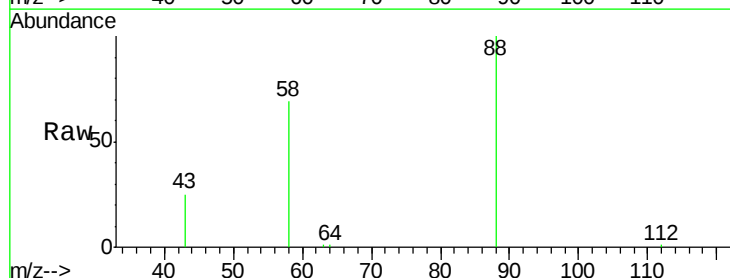
Tgt Ion: 88 Resp: 7781

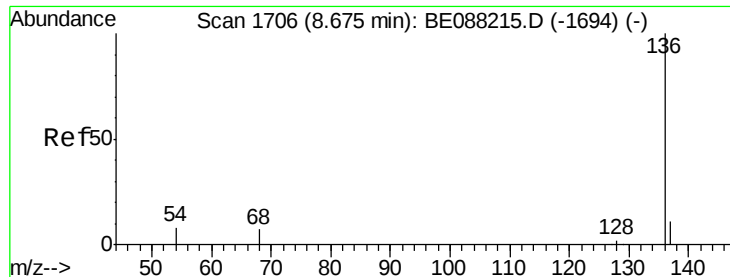
Ion Ratio Lower Upper

88 100

58 75.2 59.0 88.4

43 28.1 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: BE088216.D

Acq: 24 Oct 2014 17:09

Instrument :

BNA_E

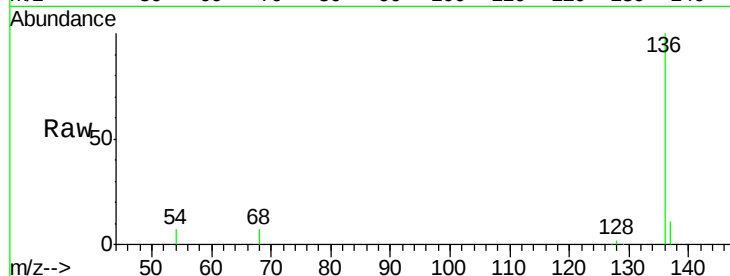
ClientSampleId :

ICVBE102414

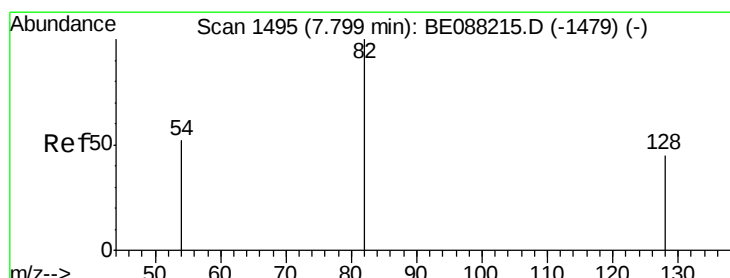
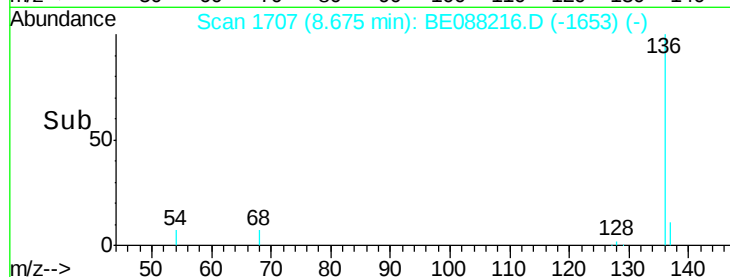
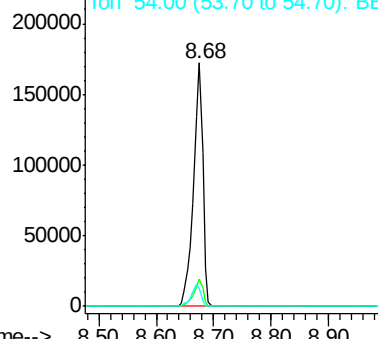
Tgt Ion:	136	Resp:	190449
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	7.4	6.1	9.1

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Abundance Ion 136.00 (135.70 to 136.70): BE088216.D (-1653) (-)



#4

Nitrobenzene-d5

Concen: 1.05 ng

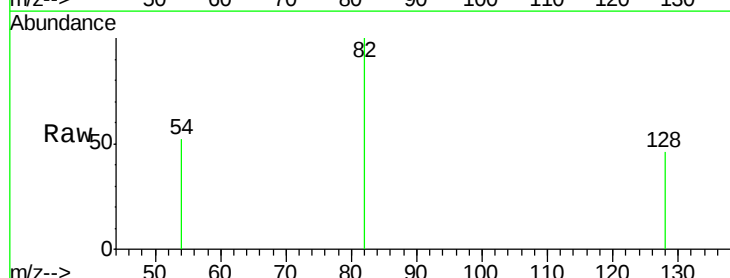
RT: 7.80 min Scan# 1496

Delta R.T. 0.00 min

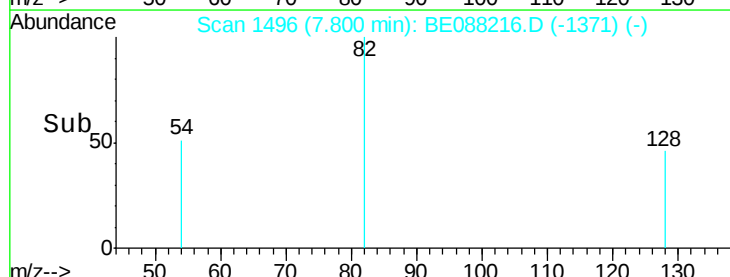
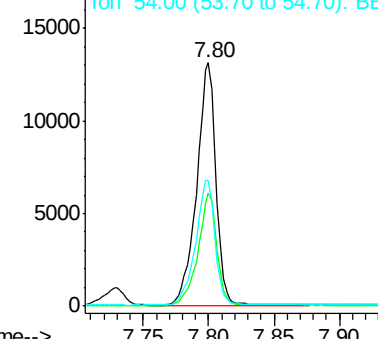
Lab File: BE088216.D

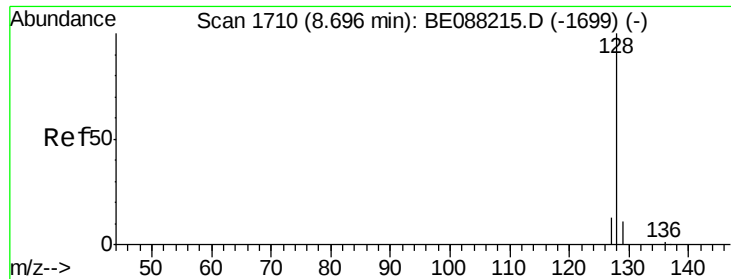
Acq: 24 Oct 2014 17:09

Tgt Ion:	82	Resp:	13382
Ion Ratio	Lower	Upper	
82	100		
128	46.5	36.2	54.2
54	51.6	41.8	62.8



Abundance Ion 82.00 (81.70 to 82.70): BE088216.D (-1371) (-)





#5

Naphthalene

Concen: 1.10 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088216.D

Acq: 24 Oct 2014 17:09

Instrument :

BNA_E

ClientSampleId :

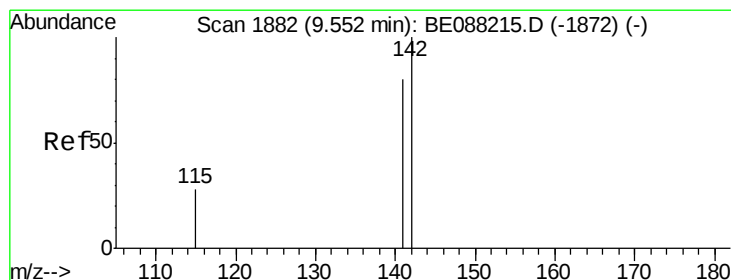
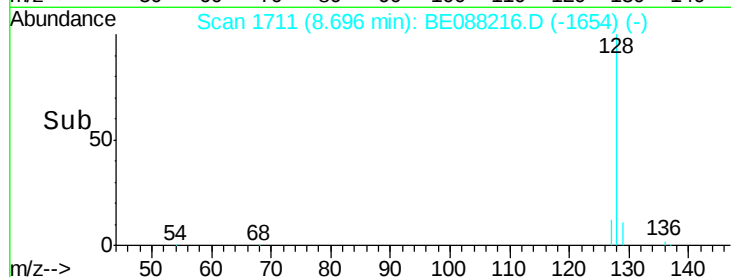
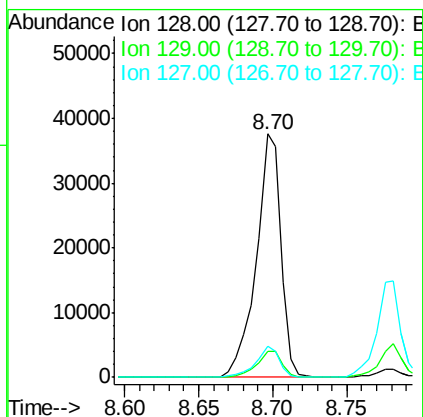
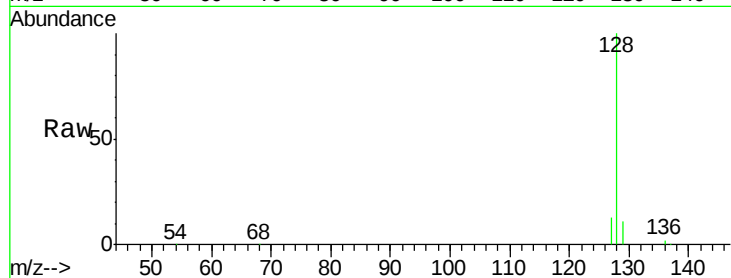
ICVBE102414

Tgt Ion:128 Resp: 42647

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	12.6	10.4	15.6

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#6

2-Methylnaphthalene

Concen: 1.11 ng

RT: 9.55 min Scan# 1883

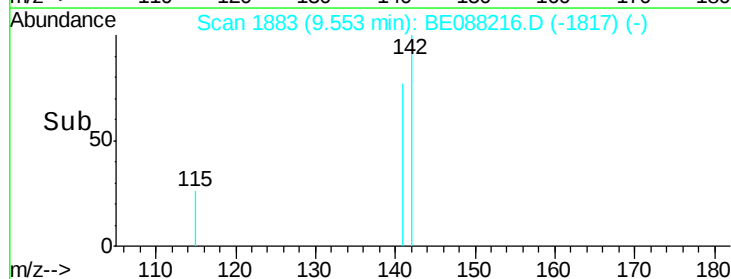
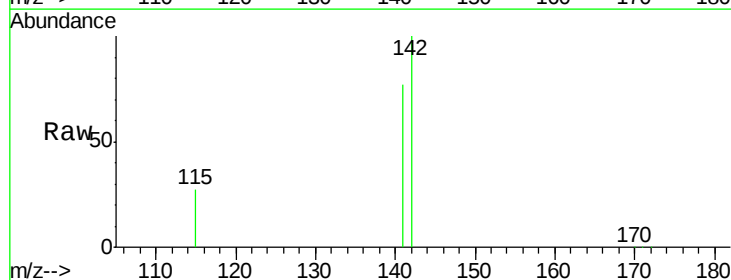
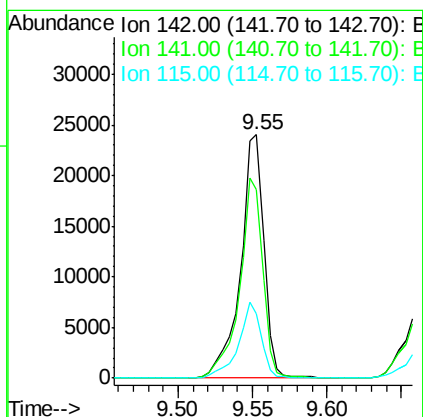
Delta R.T. 0.00 min

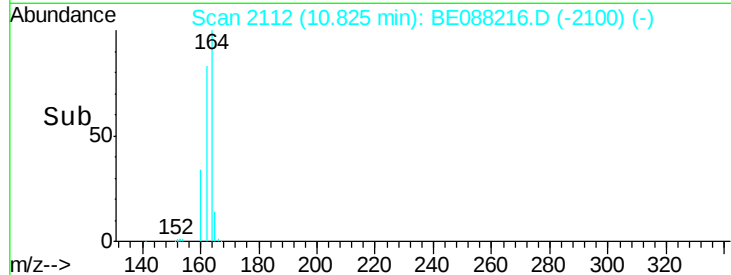
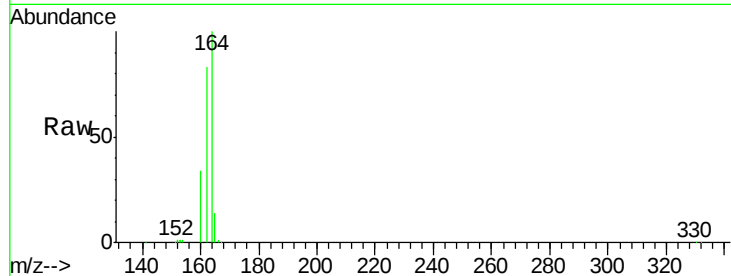
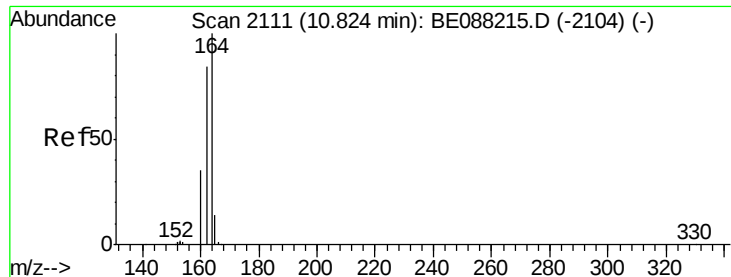
Lab File: BE088216.D

Acq: 24 Oct 2014 17:09

Tgt Ion:142 Resp: 25839

Ion	Ratio	Lower	Upper
142	100		
141	77.2	63.7	95.5
115	26.6	22.6	34.0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.83 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088216.D

Acq: 24 Oct 2014 17:09

Tgt Ion:	164	Resp:	84862
Ion Ratio	Lower	Upper	
164	100		
162	82.7	67.4	101.0
160	33.7	27.7	41.5

Instrument :

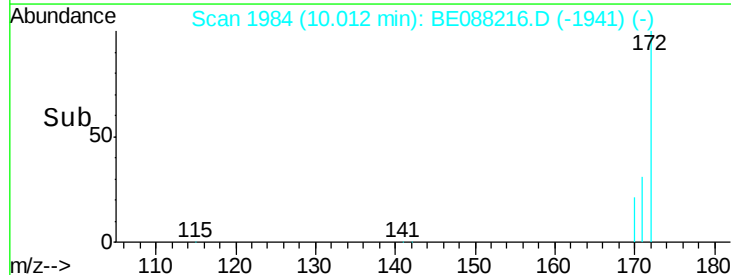
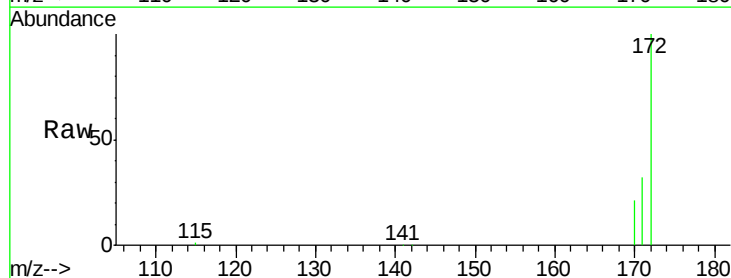
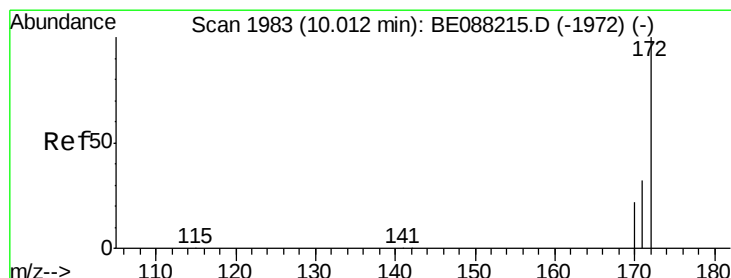
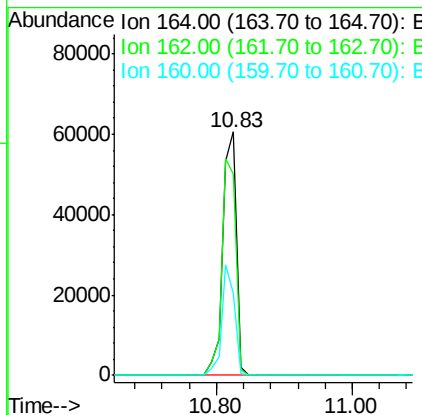
BNA_E

ClientSampleId :

ICVBE102414

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#8

2-Fluorobiphenyl

Concen: 1.11 ng

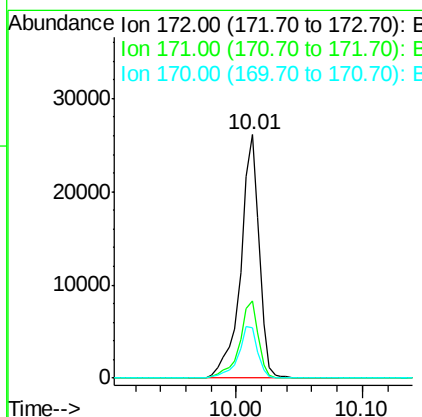
RT: 10.01 min Scan# 1984

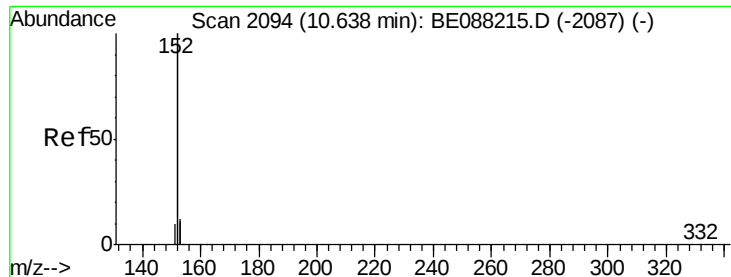
Delta R.T. 0.00 min

Lab File: BE088216.D

Acq: 24 Oct 2014 17:09

Tgt Ion:	172	Resp:	26185
Ion Ratio	Lower	Upper	
172	100		
171	31.5	25.8	38.6
170	20.8	17.4	26.0





#9

Acenaphthylene

Concen: 1.13 ng

RT: 10.64 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BE088216.D

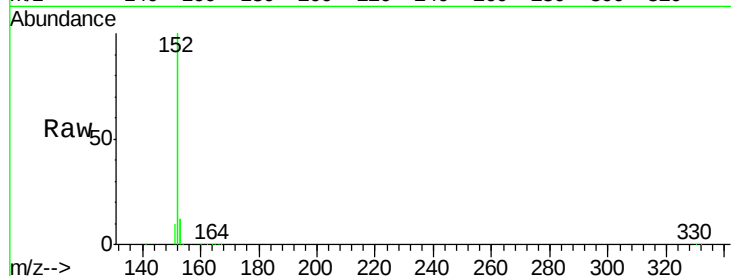
Acq: 24 Oct 2014 17:09

Instrument :

BNA_E

ClientSampleId :

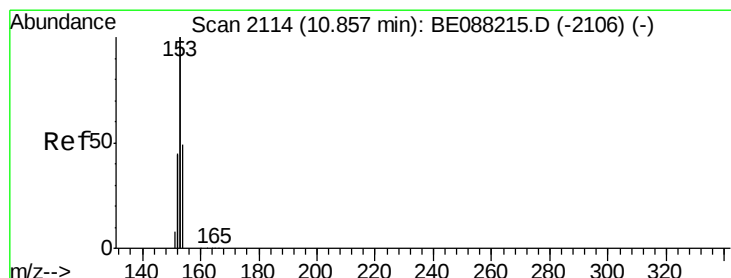
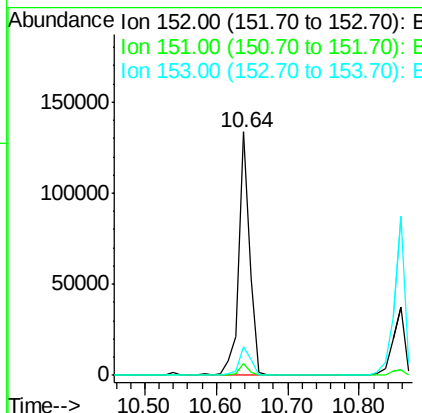
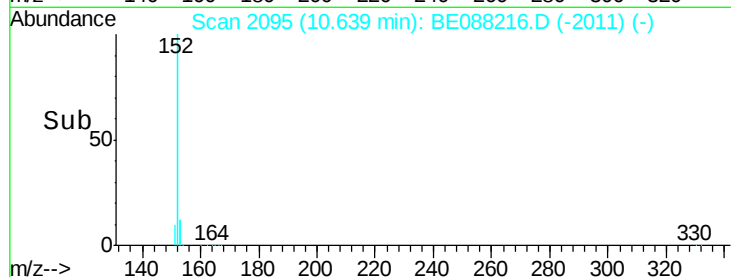
ICVBE102414



Tgt Ion:	152	Resp:	143526
Ion Ratio	Lower	Upper	
152	100		
151	4.6	3.7	5.5
153	12.8	10.3	15.5

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#10

Acenaphthene

Concen: 1.08 ng

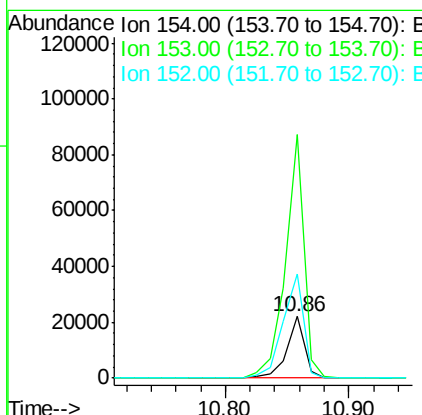
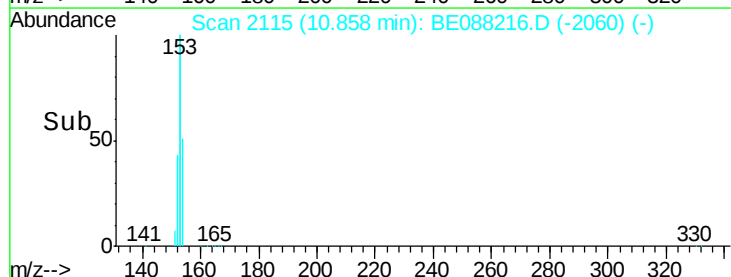
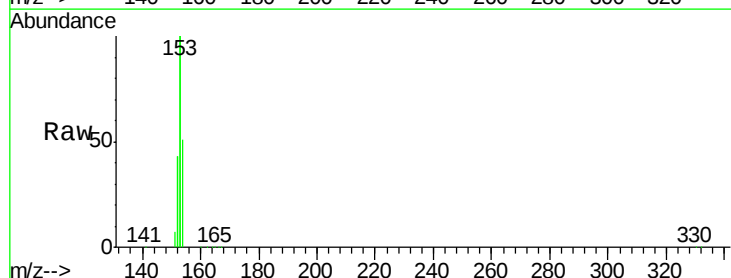
RT: 10.86 min Scan# 2115

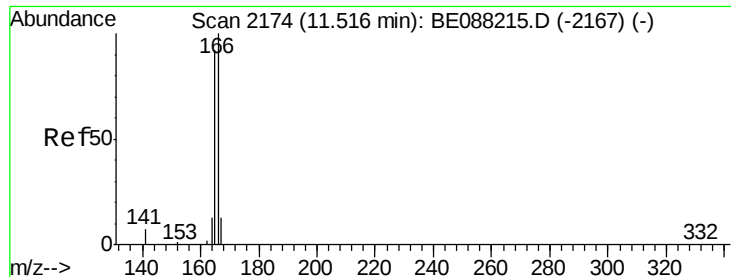
Delta R.T. 0.00 min

Lab File: BE088216.D

Acq: 24 Oct 2014 17:09

Tgt Ion:	154	Resp:	21608
Ion Ratio	Lower	Upper	
154	100		
153	410.4	326.0	489.0
152	194.6	155.6	233.4





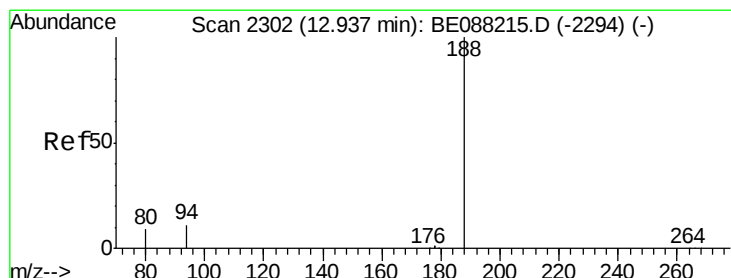
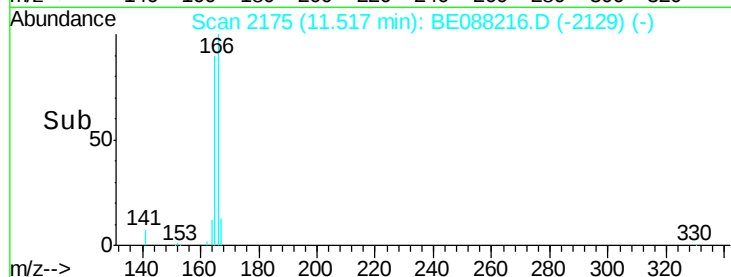
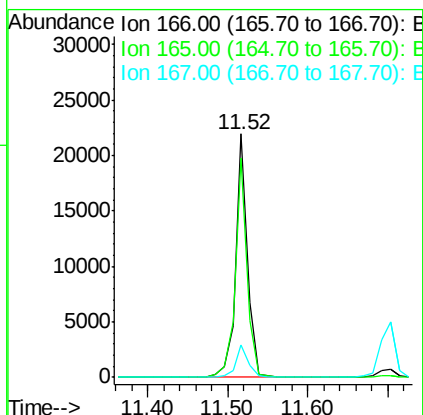
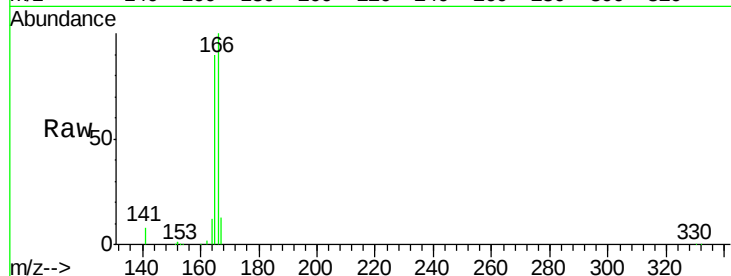
#11
Fluorene
Concen: 1.12 ng
RT: 11.52 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE088216.D
Acq: 24 Oct 2014 17:09

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ClientSampleId :
ICVBE102414

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.5	71.8	107.6
167	13.5	10.7	16.1

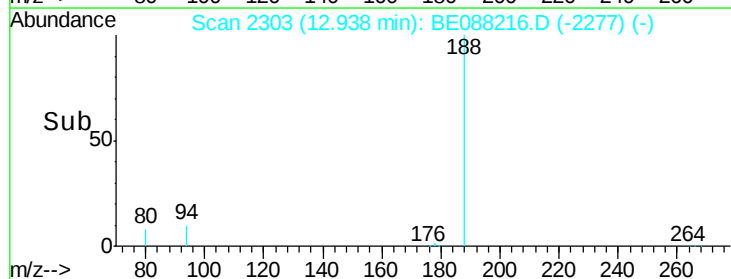
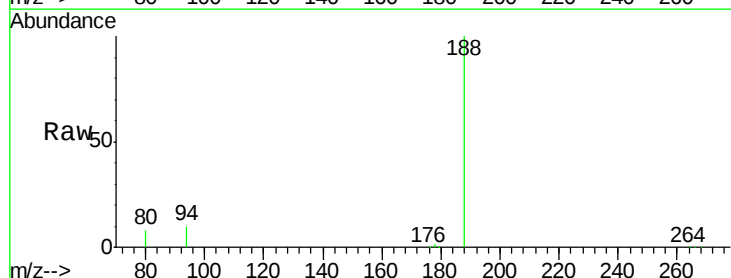
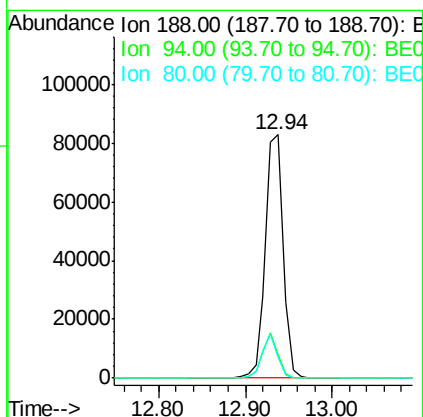
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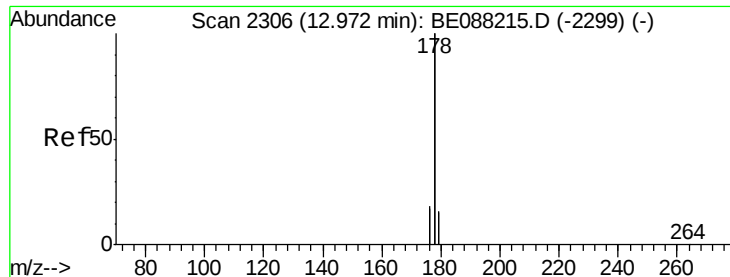
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#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.94 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BE088216.D
Acq: 24 Oct 2014 17:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	8.5	7.4	11.0





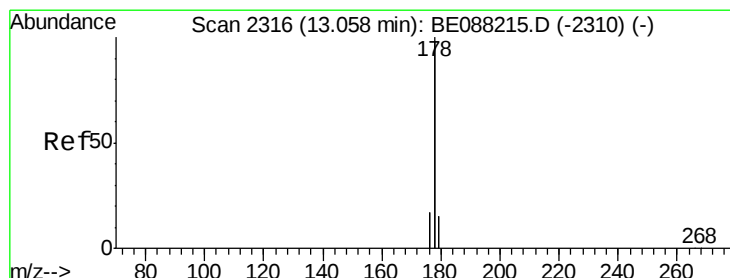
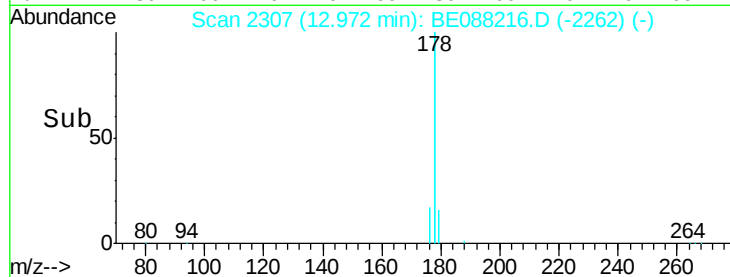
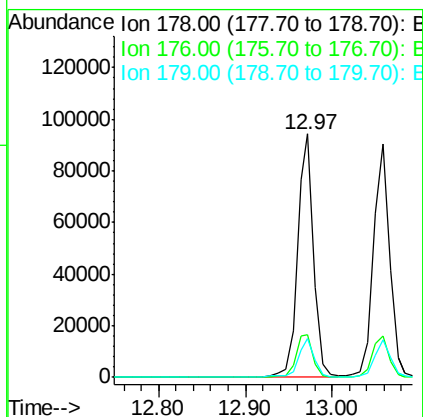
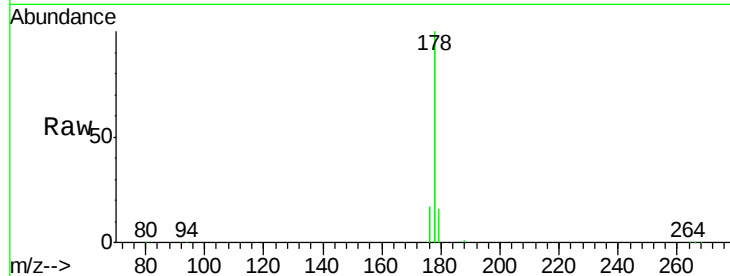
#13
Phenanthrene
Concen: 1.08 ng
RT: 12.97 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BE088216.D
Acq: 24 Oct 2014 17:09

Instrument :
BNA_E
ClientSampleId :
ICVBE102414

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.0	21.0
179	16.3	11.8	17.6

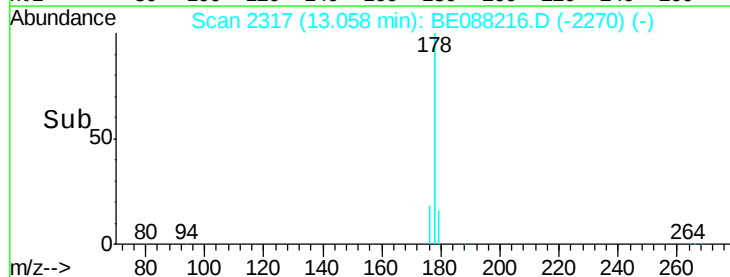
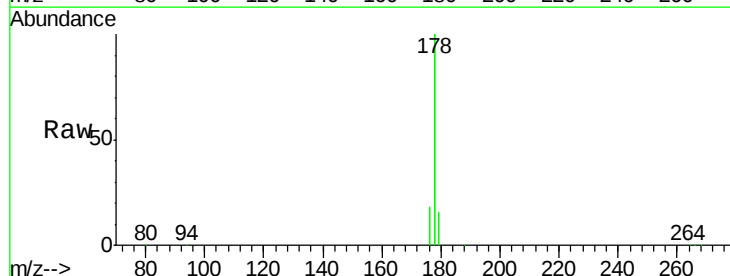
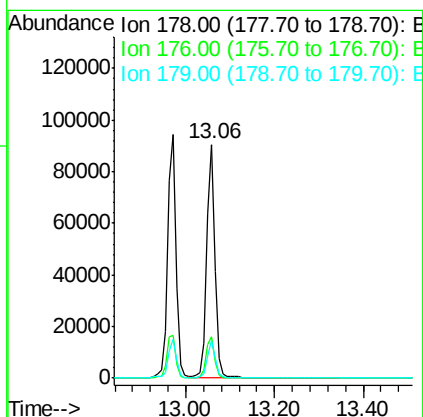
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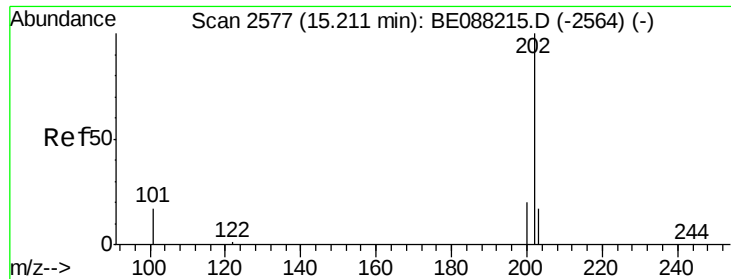
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#14
Anthracene
Concen: 1.12 ng
RT: 13.06 min Scan# 2317
Delta R.T. 0.00 min
Lab File: BE088216.D
Acq: 24 Oct 2014 17:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.6	12.3	18.5





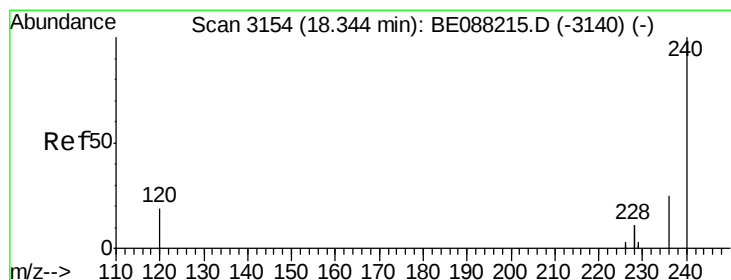
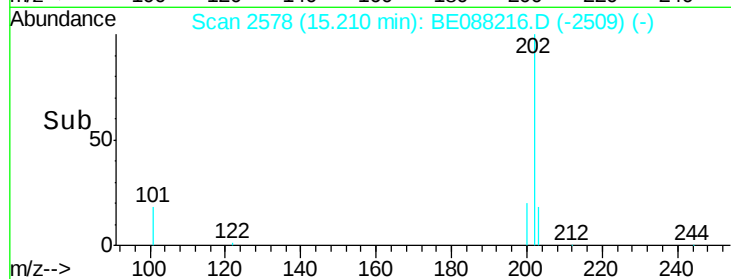
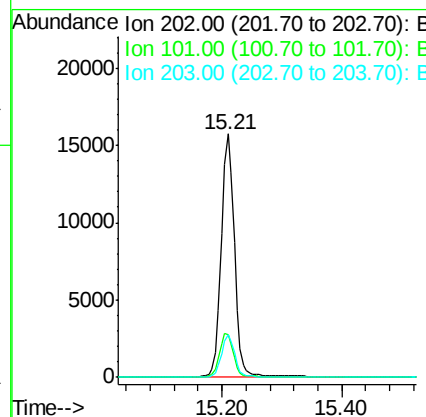
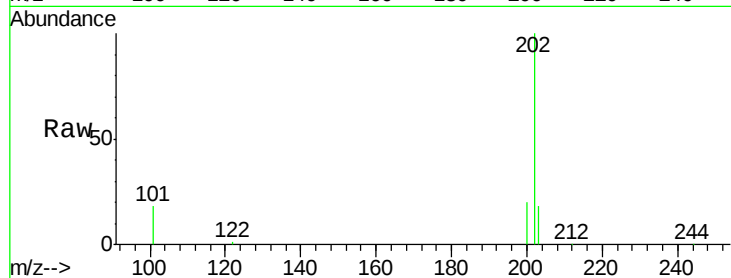
#15
 Fluoranthene
 Concen: 1.12 ng
 RT: 15.21 min Scan# 2578
 Delta R.T. -0.00 min
 Lab File: BE088216.D
 Acq: 24 Oct 2014 17:09

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE102414

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.1	14.4	21.6
203	17.1	13.4	20.2

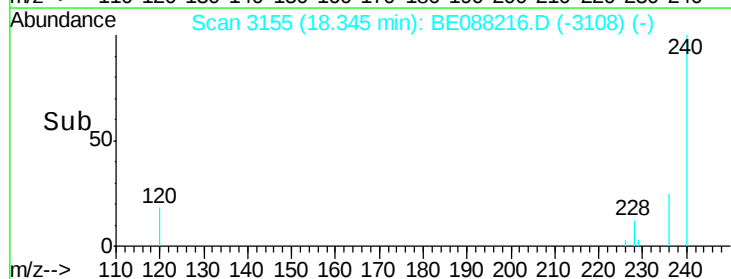
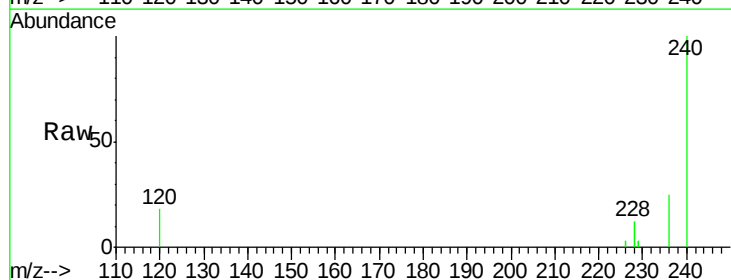
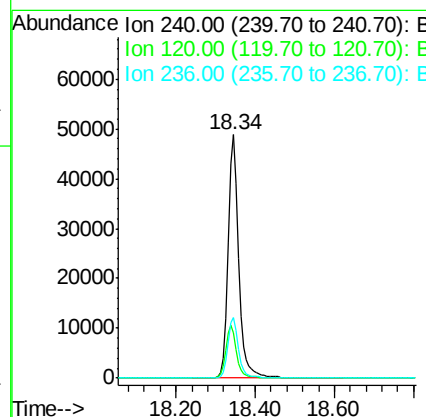
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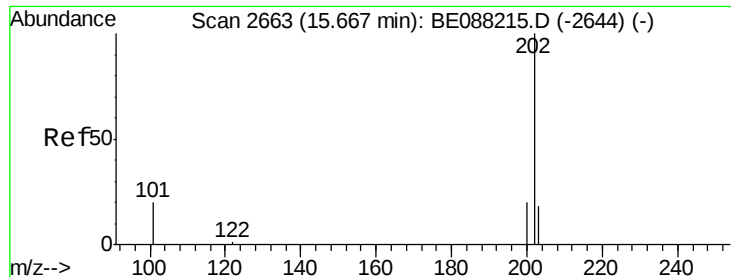
mohammad
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#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.34 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: BE088216.D
 Acq: 24 Oct 2014 17:09

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.4	15.1	22.7
236	24.9	20.1	30.1





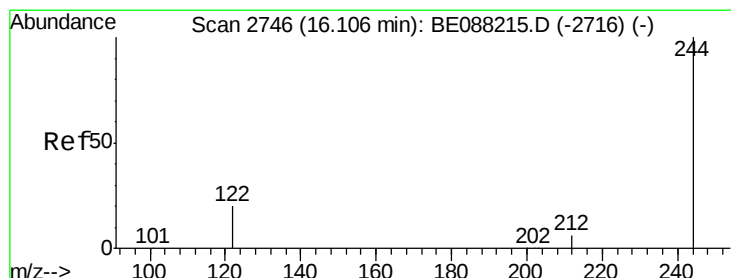
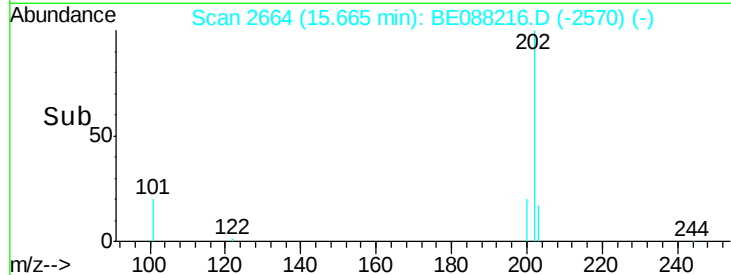
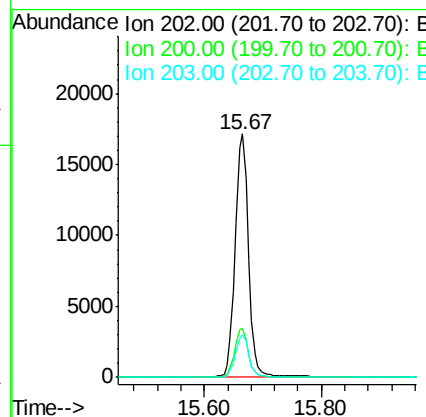
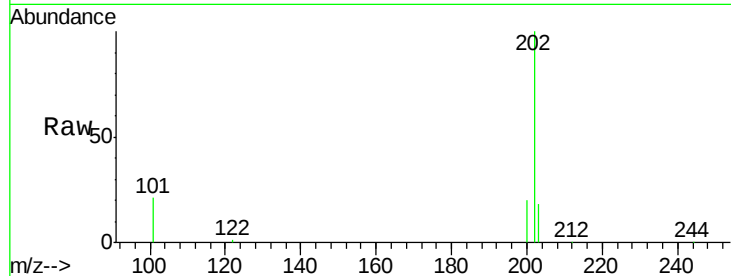
#17
Pyrene
Concen: 1.08 ng
RT: 15.67 min Scan# 2664
Delta R.T. -0.00 min
Lab File: BE088216.D
Acq: 24 Oct 2014 17:09

Instrument :
BNA_E
ClientSampleId :
ICVBE102414

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.2	16.2	24.2
203	17.2	13.8	20.8

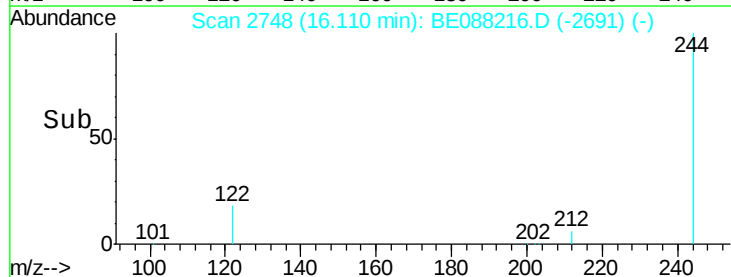
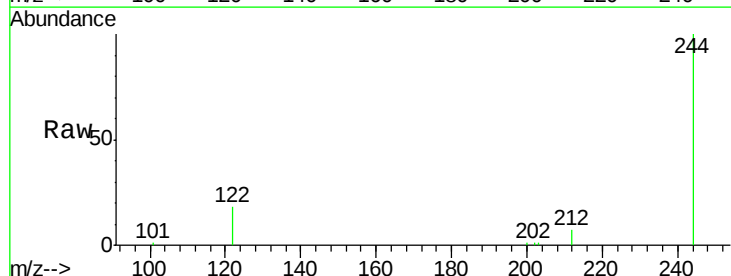
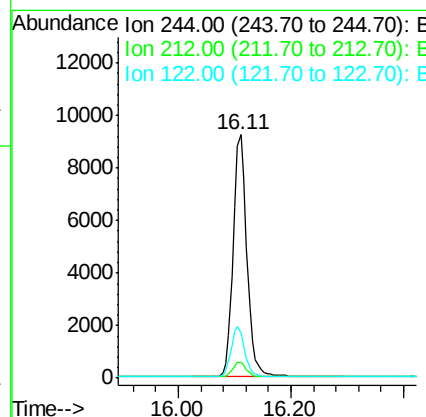
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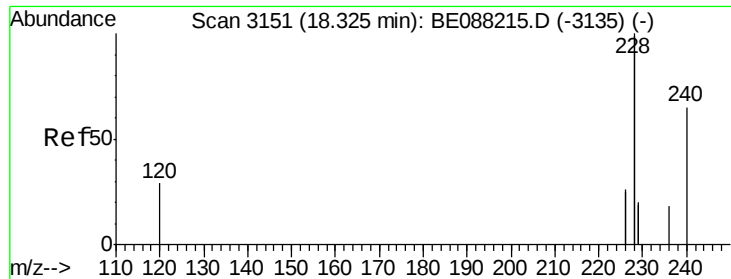
mohammad
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#18
Terphenyl-d14
Concen: 1.08 ng
RT: 16.11 min Scan# 2748
Delta R.T. 0.00 min
Lab File: BE088216.D
Acq: 24 Oct 2014 17:09

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.6	5.4	8.2
122	18.5	16.7	25.1





#19

Benzo(a)anthracene

Concen: 1.04 ng

RT: 18.33 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BE088216.D

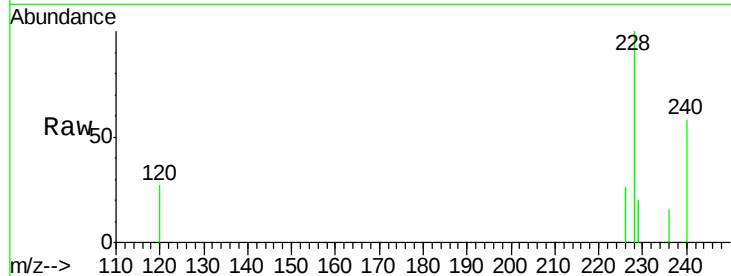
Acq: 24 Oct 2014 17:09

Instrument :

BNA_E

ClientSampleId :

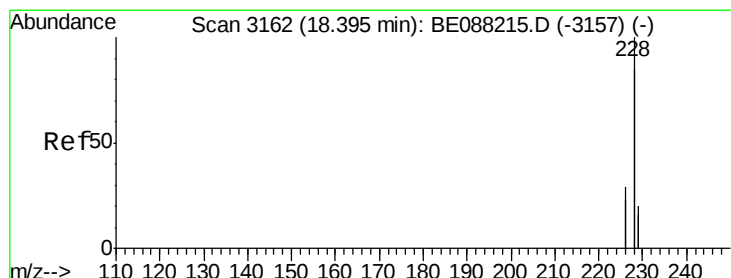
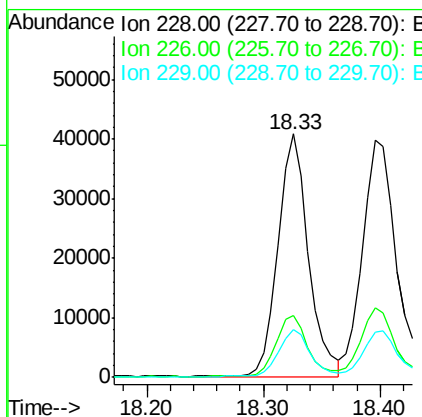
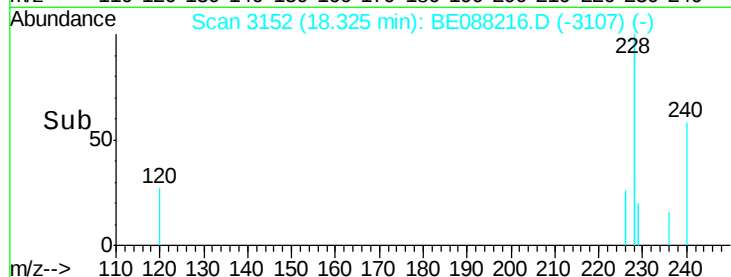
ICVBE102414



Tgt Ion:	228	Resp:	73431
Ion Ratio	Lower	Upper	
228	100		
226	25.6	20.5	30.7
229	19.8	16.1	24.1

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#20

Chrysene

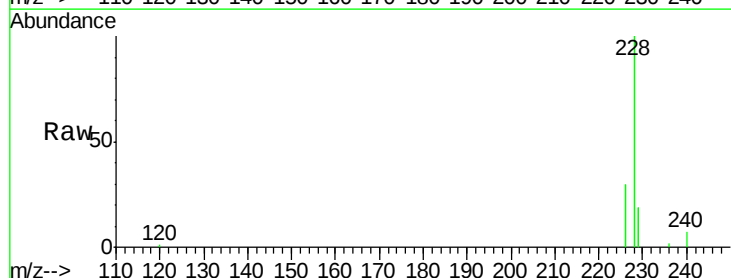
Concen: 1.06 ng

RT: 18.40 min Scan# 3163

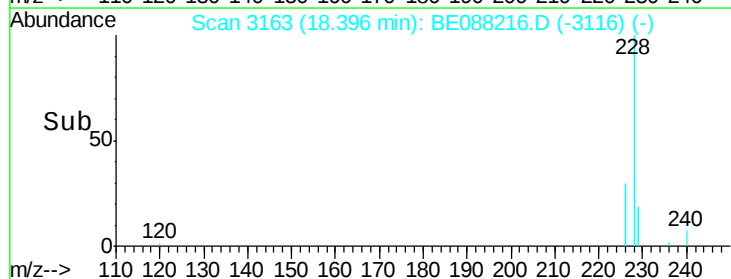
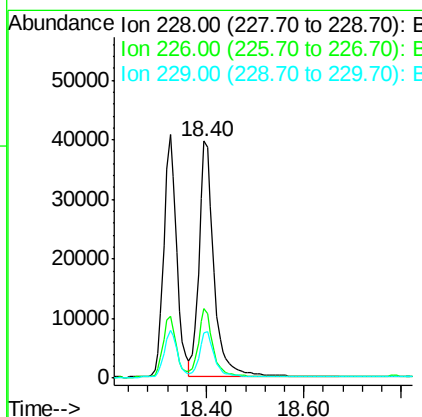
Delta R.T. 0.00 min

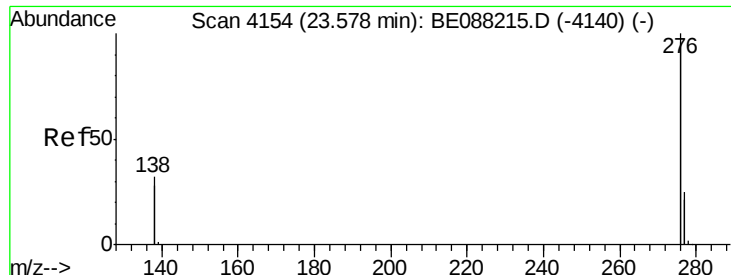
Lab File: BE088216.D

Acq: 24 Oct 2014 17:09



Tgt Ion:	228	Resp:	84480
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.3	34.9
229	19.1	15.6	23.4





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.98 ng m

RT: 23.58 min Scan# 4155

Delta R.T. -0.00 min

Lab File: BE088216.D

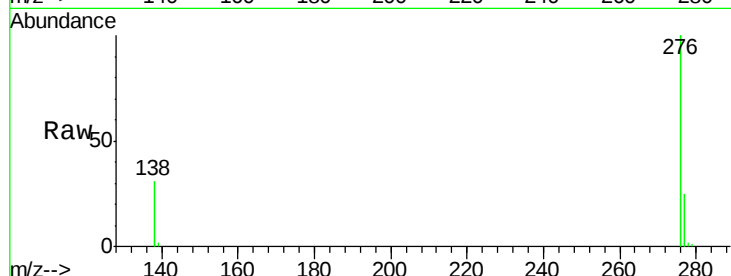
Acq: 24 Oct 2014 17:09

Instrument :

BNA_E

ClientSampleId :

ICVBE102414



Tgt Ion: 276 Resp: 64575

Ion Ratio Lower Upper

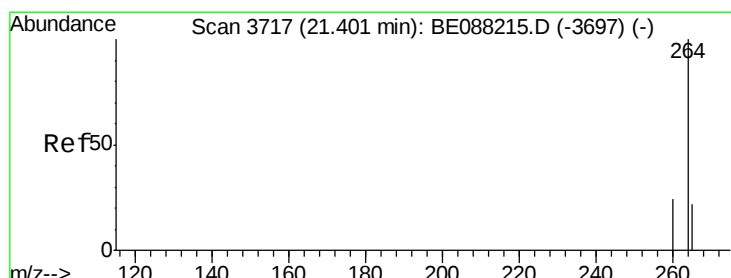
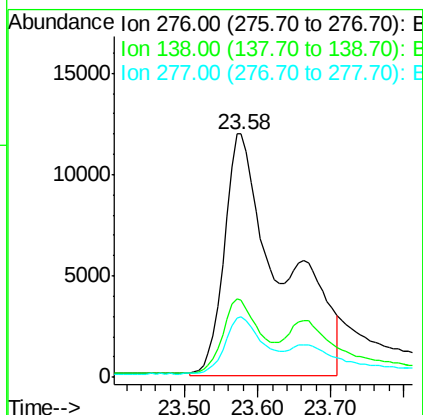
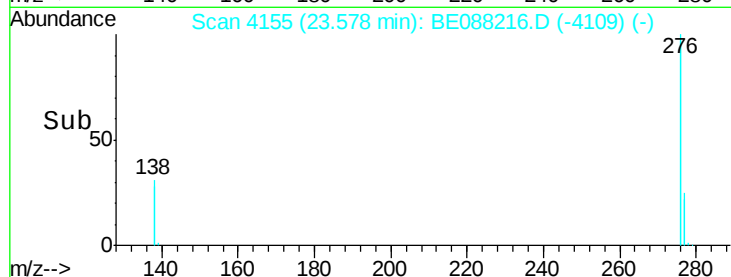
276 100

138 20.0 13.9 20.9

277 15.6 10.7 16.1

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#22

Perylene-d12

Concen: 5.00 ng

RT: 21.40 min Scan# 3717

Delta R.T. -0.00 min

Lab File: BE088216.D

Acq: 24 Oct 2014 17:09

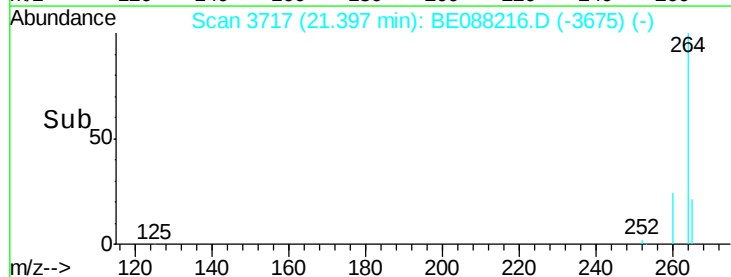
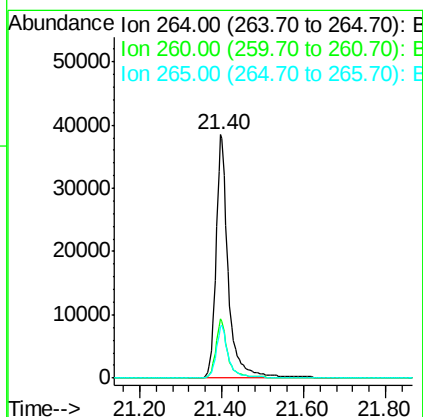
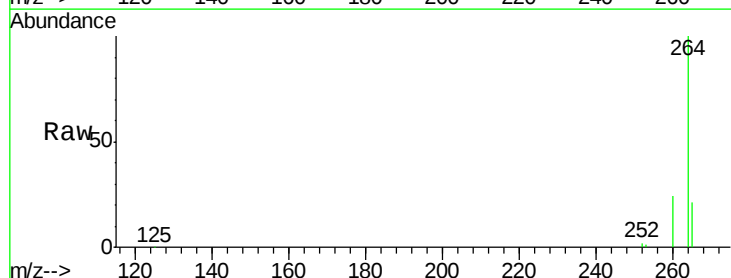
Tgt Ion: 264 Resp: 80909

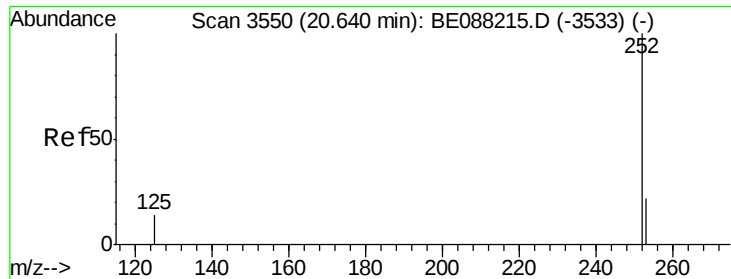
Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 21.3 17.4 26.2





#23

Benzo(b)fluoranthene

Concen: 0.97 ng

RT: 20.64 min Scan# 3551

Delta R.T. 0.00 min

Lab File: BE088216.D

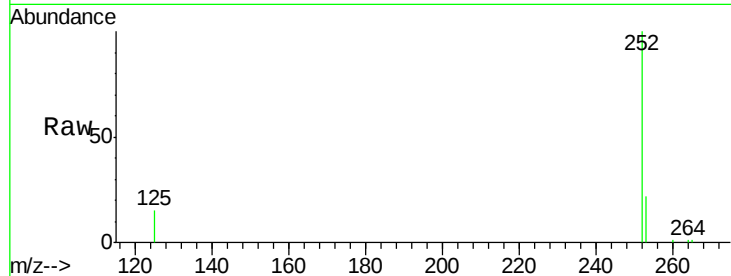
Acq: 24 Oct 2014 17:09

Instrument :

BNA_E

ClientSampleId :

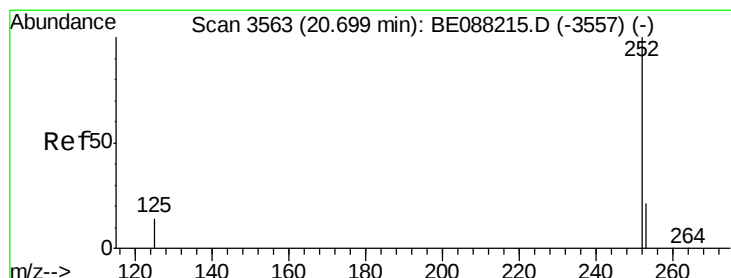
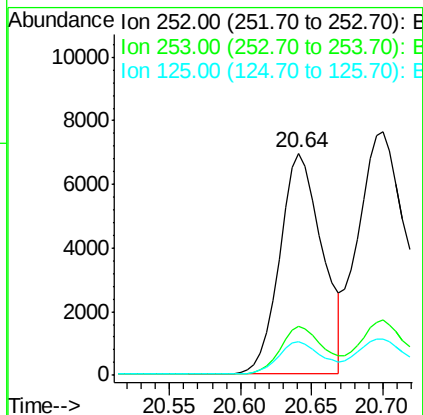
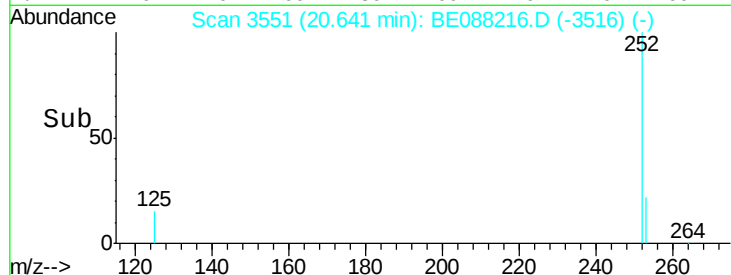
ICVBE102414



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	15.3	12.2	18.2

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#24

Benzo(k)fluoranthene

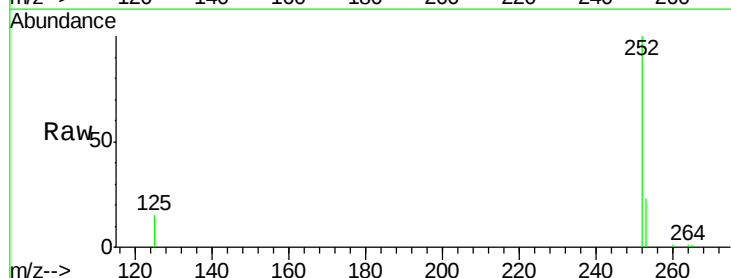
Concen: 1.11 ng

RT: 20.70 min Scan# 3564

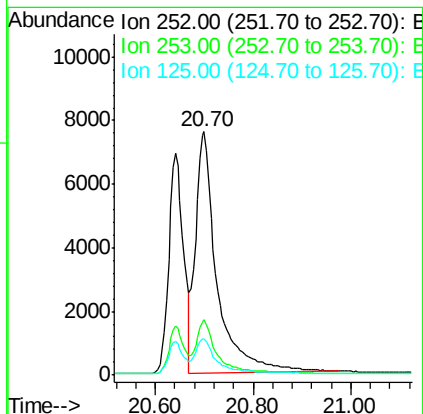
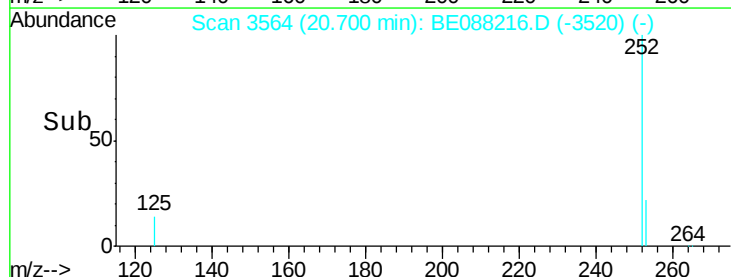
Delta R.T. 0.00 min

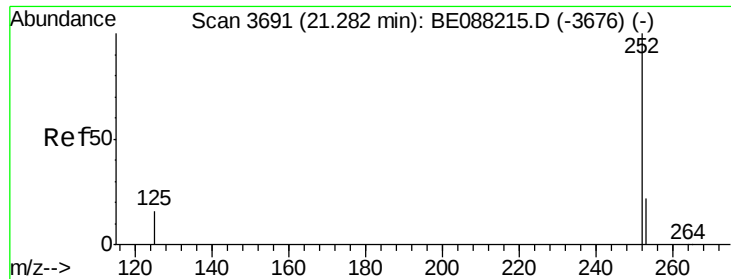
Lab File: BE088216.D

Acq: 24 Oct 2014 17:09



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	14.9	12.1	18.1





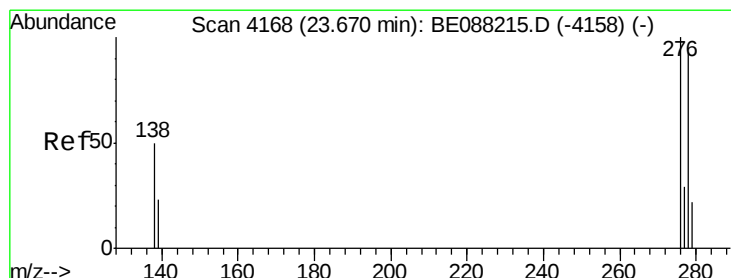
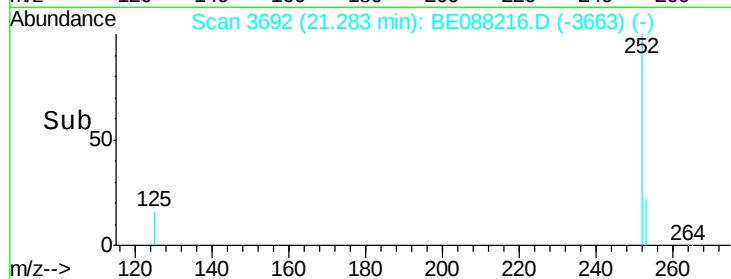
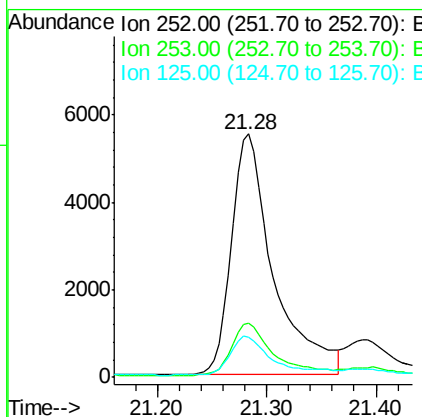
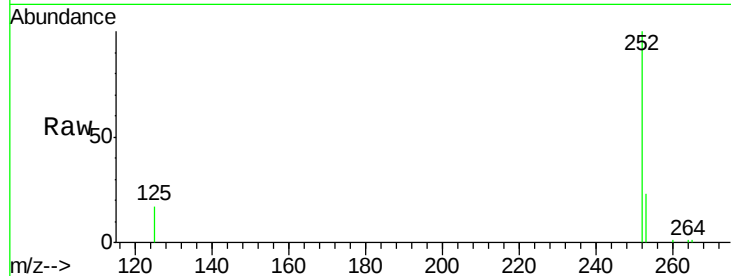
#25
Benzo(a)pyrene
Concen: 1.00 ng
RT: 21.28 min Scan# 3692
Delta R.T. 0.00 min
Lab File: BE088216.D
Acq: 24 Oct 2014 17:09

Instrument :
BNA_E
ClientSampleId :
ICVBE102414

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	16.7	13.5	20.3

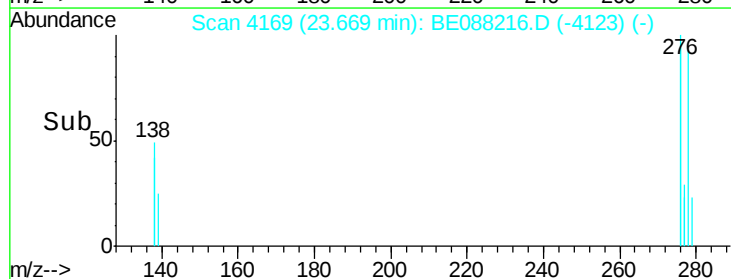
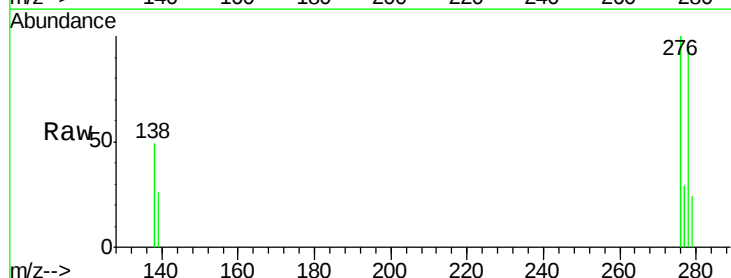
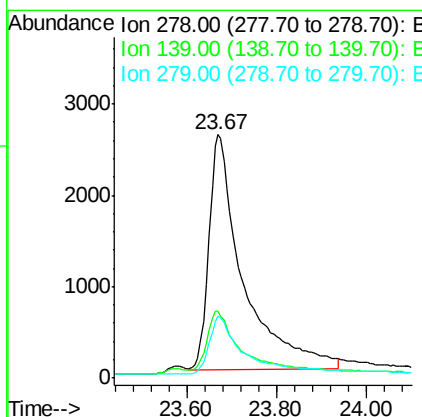
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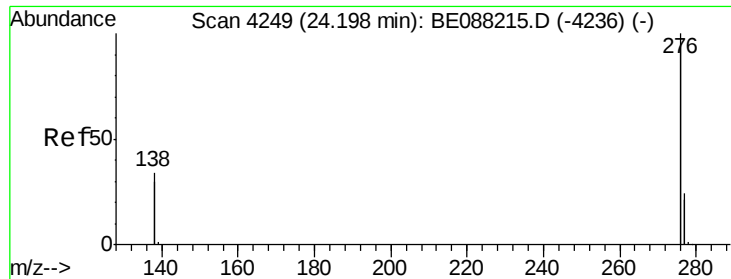
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#26
Dibenzo(a,h)anthracene
Concen: 1.02 ng
RT: 23.67 min Scan# 4169
Delta R.T. 0.00 min
Lab File: BE088216.D
Acq: 24 Oct 2014 17:09

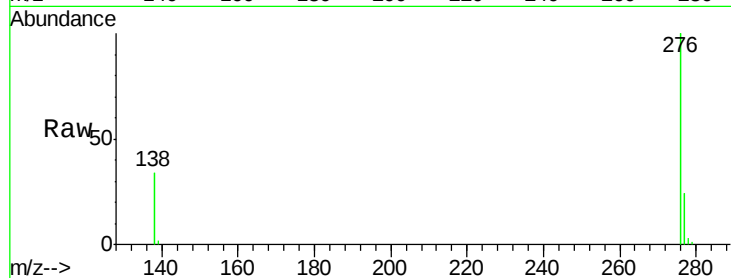
Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.8	22.1	33.1
279	25.7	20.2	30.2





#27
 Benzo(g,h,i)perylene
 Concen: 1.09 ng
 RT: 24.20 min Scan# 4250
 Delta R.T. -0.00 min
 Lab File: BE088216.D
 Acq: 24 Oct 2014 17:09

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE102414



Tgt Ion:	276	Resp:	70844
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.4	29.2
138	34.1	27.3	40.9

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