

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089819.D
 Acq On : 24 Mar 2015 18:12
 Operator : TP/JJ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE032415

Manual Integrations
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mohammad
 3/25/2015 5:43:21 PM

Quant Time: Mar 25 16:40:43 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 24 18:03:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	200642	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	823319	5.00	ng	0.00
8) Acenaphthene-d10	14.39	164	370887	5.00	ng	0.00
13) Phenanthrene-d10	17.92	188	631352	5.00	ng	0.00
19) Chrysene-d12	24.26	240	583671	5.00	ng	0.00
25) Perylene-d12	27.42	264	508863	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.68	82	58403	1.20	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	89126	1.03	ng	0.00
21) Terphenyl-d14	21.86	244	80063	0.93	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.55	88	25853	1.00	ng	# 87
3) n-Nitrosodimethylamine	2.96	42	39768	1.04	ng	# 84
6) Naphthalene	10.31	128	159948	0.98	ng	95
7) 2-Methylnaphthalene	11.93	142	92748	1.03	ng	99
10) Acenaphthylene	14.03	152	551234	1.04	ng	99
11) Acenaphthene	14.46	154	81497	1.00	ng	86
12) Fluorene	15.70	166	99531	1.01	ng	93
14) Hexachlorobenzene	16.98	284	20565	0.98	ng	94
15) Pentachlorophenol	17.51	266	3609	0.56	ng	92
16) Phenanthrene	17.97	178	138914	1.00	ng	100
17) Anthracene	18.10	178	125541	1.01	ng	99
18) Fluoranthene	20.82	202	135382	1.08	ng	99
20) Pyrene	21.34	202	138659	0.94	ng	98
22) Benzo(a)anthracene	24.25	228	106783	0.98	ng	97
23) Chrysene	24.32	228	123666	1.04	ng	100
24) Indeno(1,2,3-cd)pyrene	29.38	276	62208m	0.91	ng	
26) Benzo(b)fluoranthene	26.64	252	64833	0.88	ng	99
27) Benzo(k)fluoranthene	26.70	252	116384	1.12	ng	# 94
28) Benzo(a)pyrene	27.30	252	64200	0.90	ng	# 88
29) Dibenzo(a,h)anthracene	29.44	278	45502	0.86	ng	# 78
30) Benzo(g,h,i)perylene	29.83	276	79586	0.97	ng	# 90

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

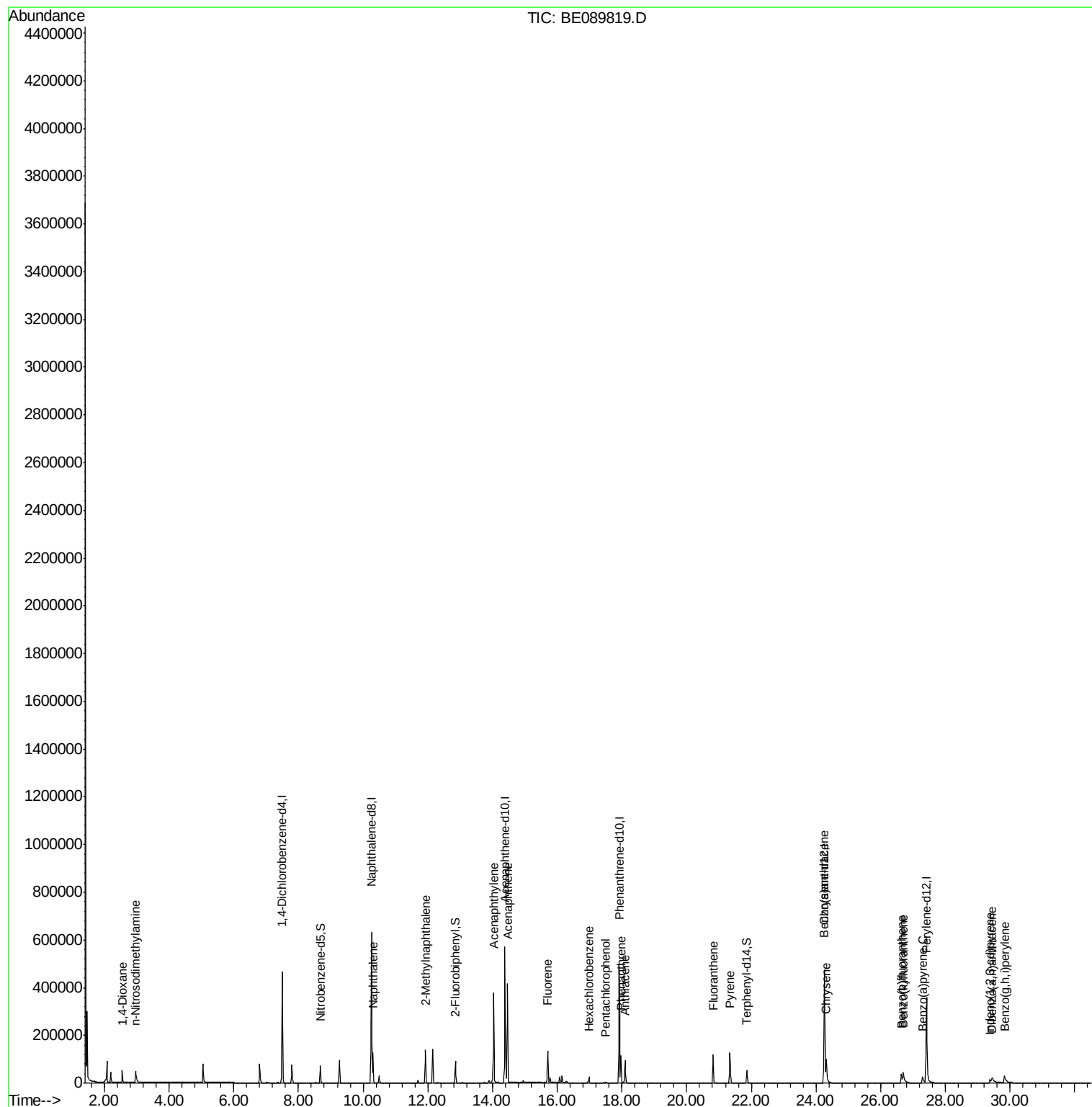
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089819.D
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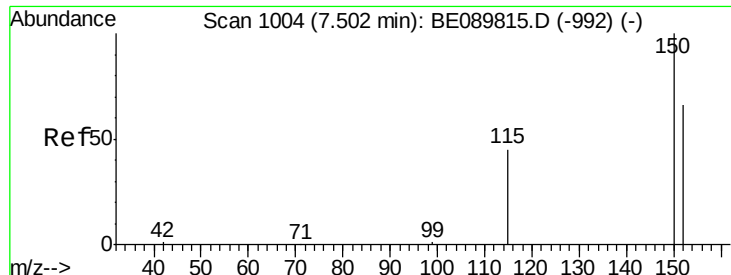
Instrument :
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ICVBE032415

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089819.D

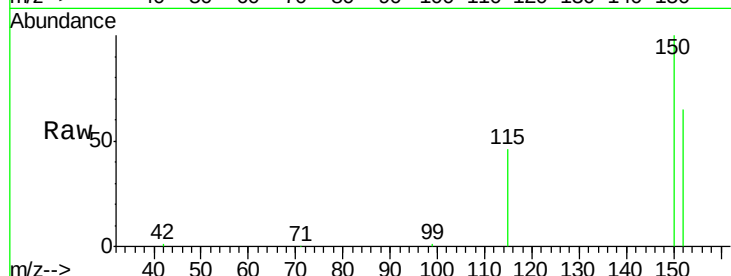
Acq: 24 Mar 2015 18:12

Instrument :

BNA_E

ClientSampleId :

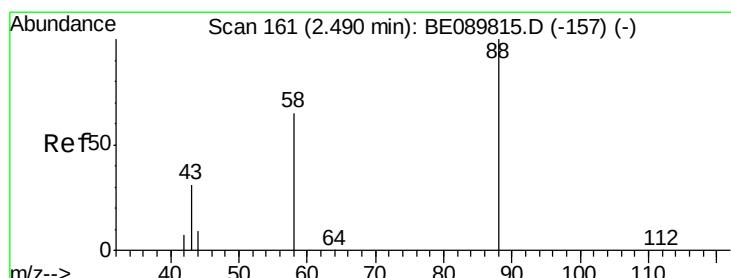
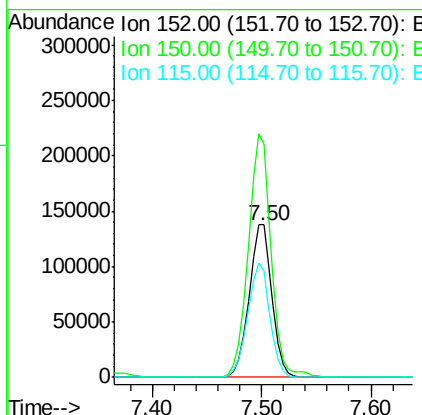
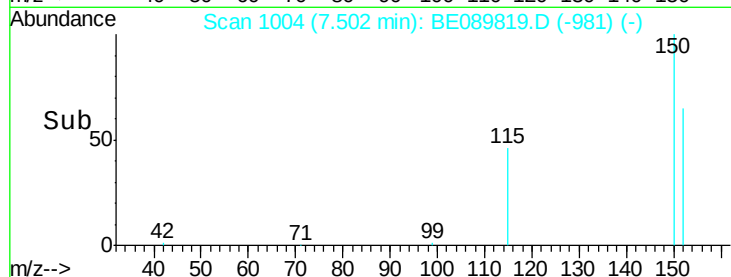
ICVBE032415



Tgt Ion:	152	Resp:	200642
Ion Ratio	Lower	Upper	
152	100		
150	152.8	125.5	188.3
115	70.1	58.0	87.0

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#2

1,4-Dioxane

Concen: 1.00 ng

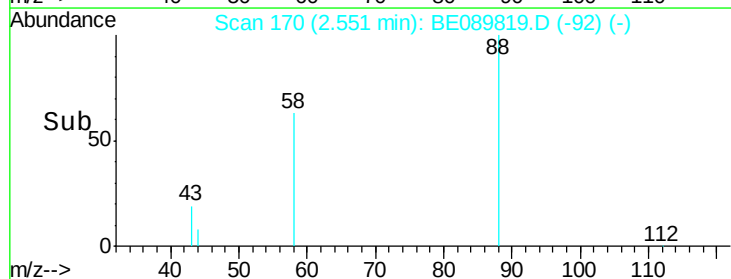
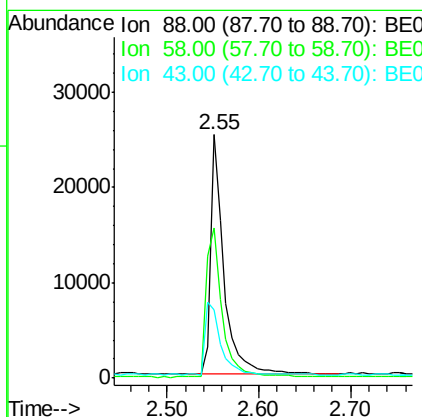
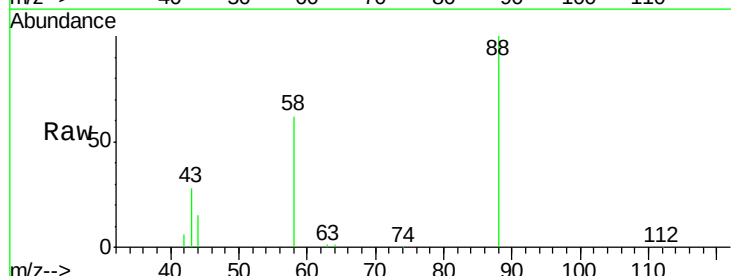
RT: 2.55 min Scan# 170

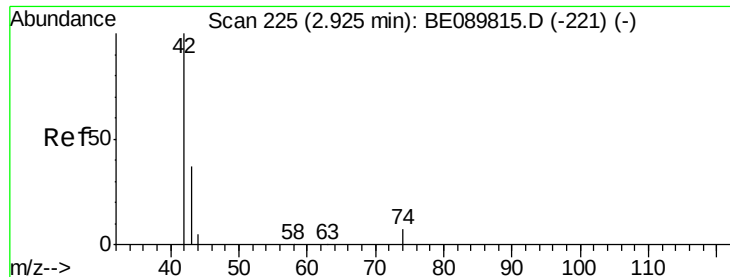
Delta R.T. 0.03 min

Lab File: BE089819.D

Acq: 24 Mar 2015 18:12

Tgt Ion:	88	Resp:	25853
Ion Ratio	Lower	Upper	
88	100		
58	74.5	48.6	72.8#
43	34.1	28.6	43.0





#3

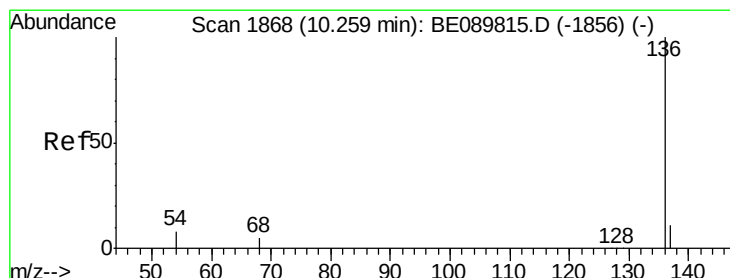
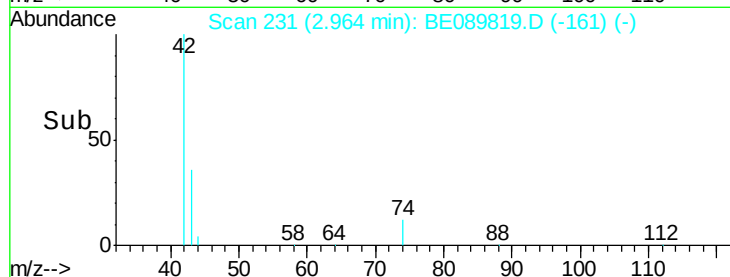
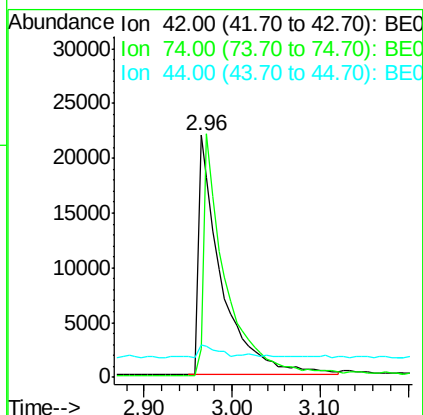
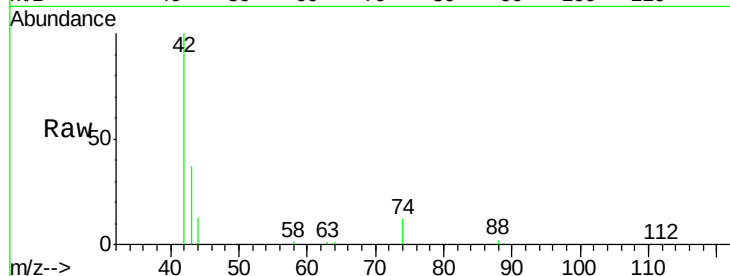
n-Nitrosodimethylamine
 Concen: 1.04 ng
 RT: 2.96 min Scan# 231
 Delta R.T. -0.03 min
 Lab File: BE089819.D
 Acq: 24 Mar 2015 18:12

Instrument :
 BNA_E
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
42	100		
74	100.5	68.7	103.1
44	3.8	6.2	9.4

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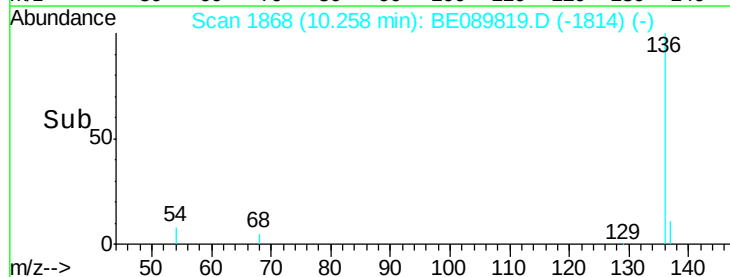
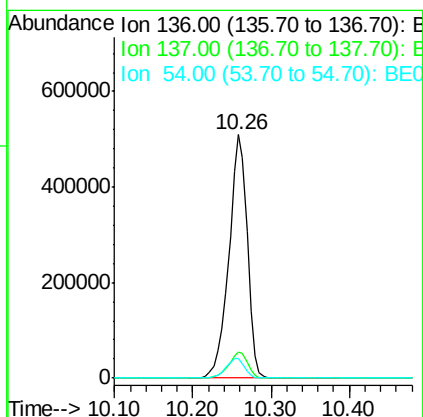
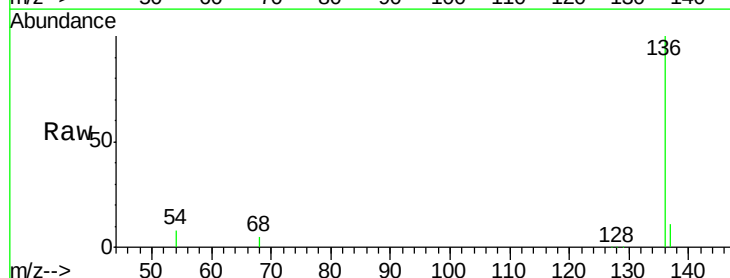
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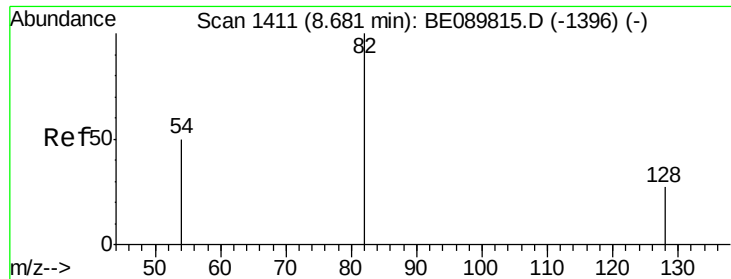


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.26 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: BE089819.D
 Acq: 24 Mar 2015 18:12

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.2	7.0	10.4





#5

Nitrobenzene-d5

Concen: 1.20 ng

RT: 8.68 min Scan# 1410

Delta R.T. -0.00 min

Lab File: BE089819.D

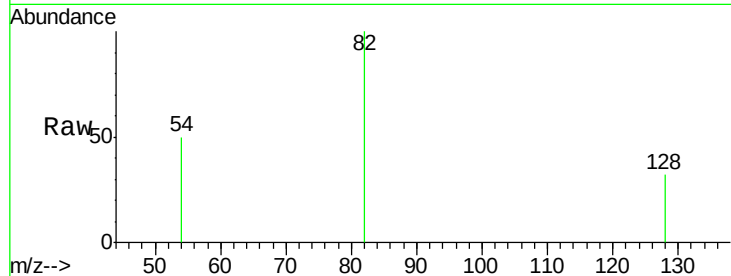
Acq: 24 Mar 2015 18:12

Instrument :

BNA_E

ClientSampleId :

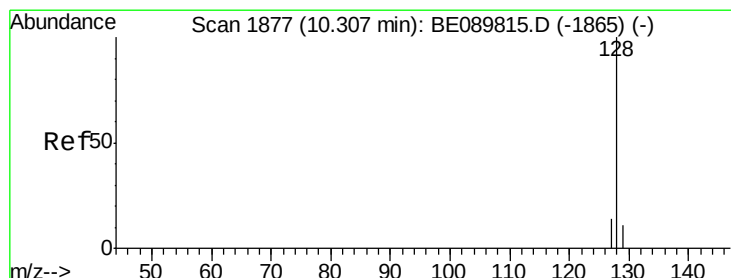
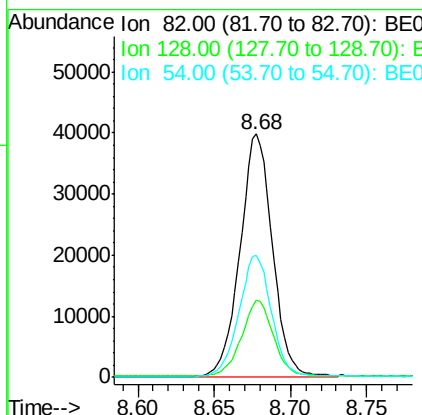
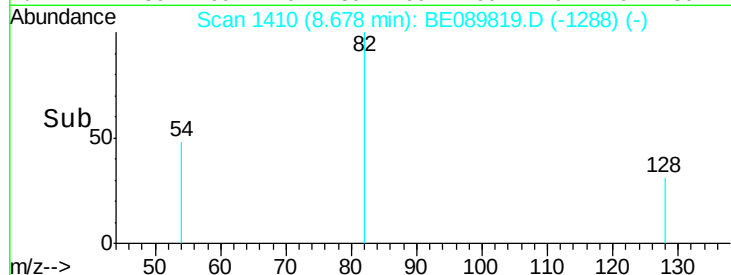
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Tgt Ion:	82	Resp:	58403
Ion Ratio	Lower	Upper	
82	100		
128	31.5	24.6	37.0
54	50.1	43.0	64.6

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#6

Naphthalene

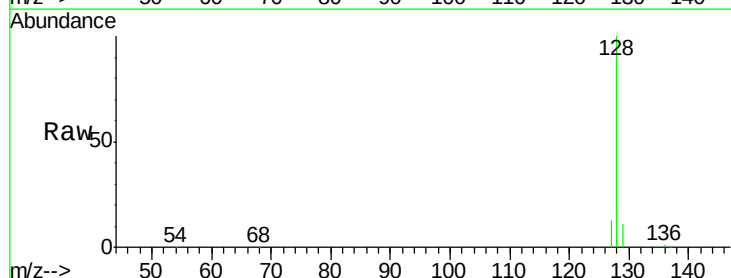
Concen: 0.98 ng

RT: 10.31 min Scan# 1877

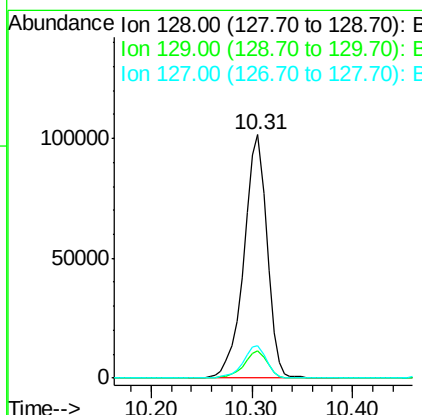
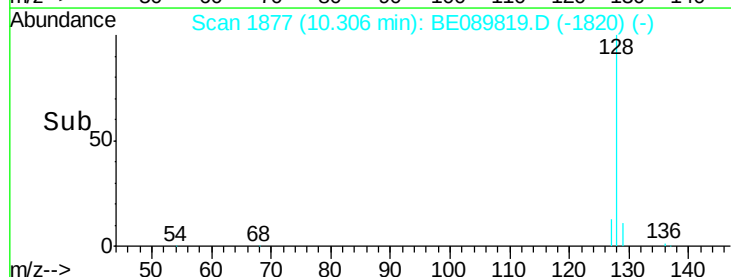
Delta R.T. 0.00 min

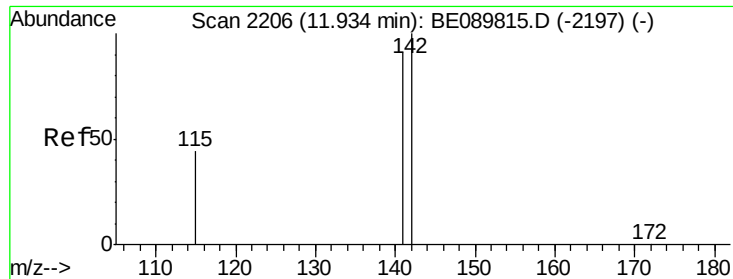
Lab File: BE089819.D

Acq: 24 Mar 2015 18:12



Tgt Ion:	128	Resp:	159948
Ion Ratio	Lower	Upper	
128	100		
129	11.1	10.0	15.0
127	13.4	12.5	18.7





#7

2-Methylnaphthalene

Concen: 1.03 ng

RT: 11.93 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BE089819.D

Acq: 24 Mar 2015 18:12

Instrument :

BNA_E

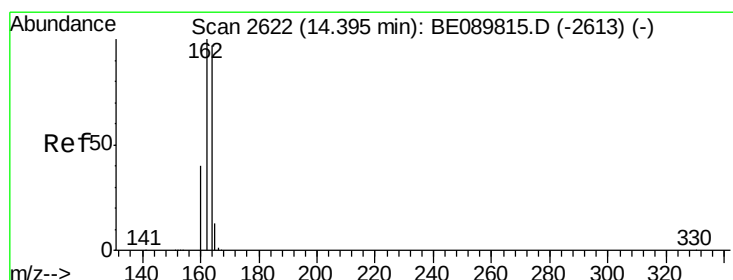
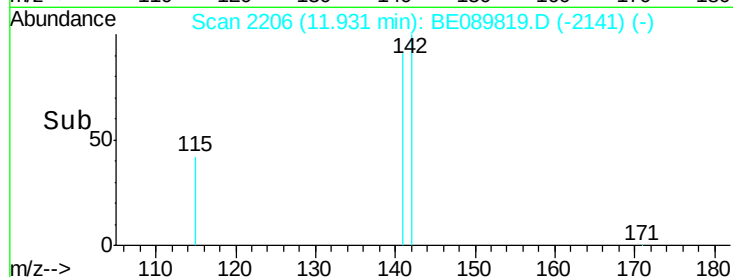
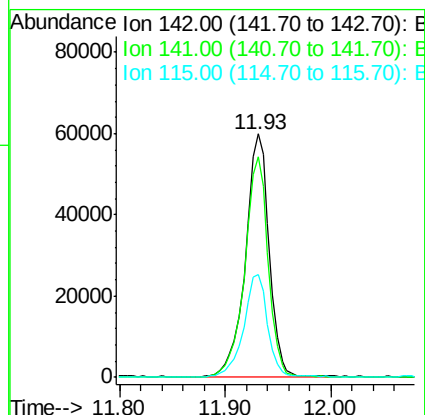
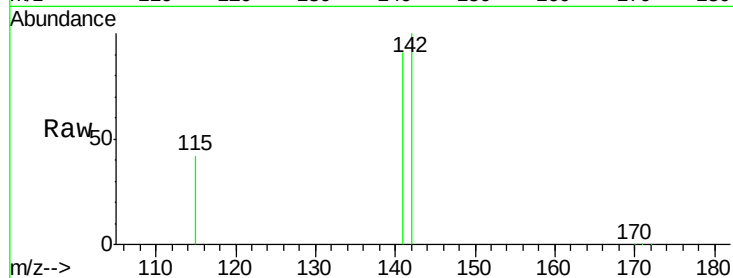
ClientSampleId :

ICVBE032415

Tgt Ion:	142	Resp:	92748
Ion Ratio	Lower	Upper	
142	100		
141	90.8	72.8	109.2
115	42.4	32.9	49.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

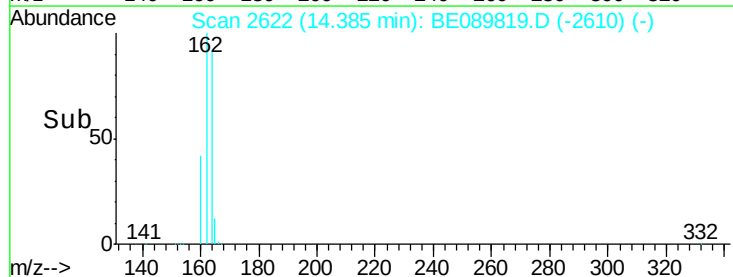
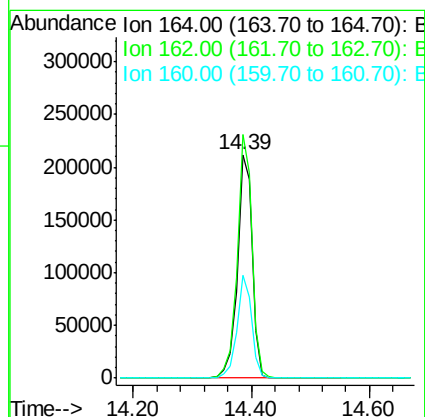
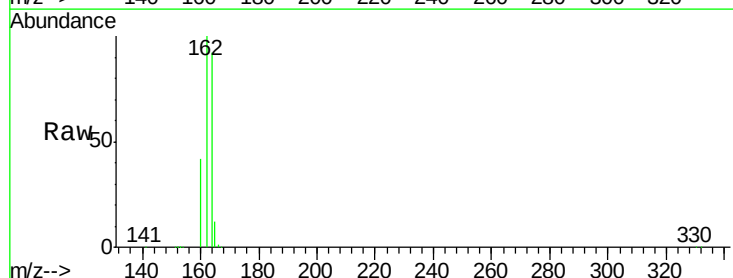
RT: 14.39 min Scan# 2622

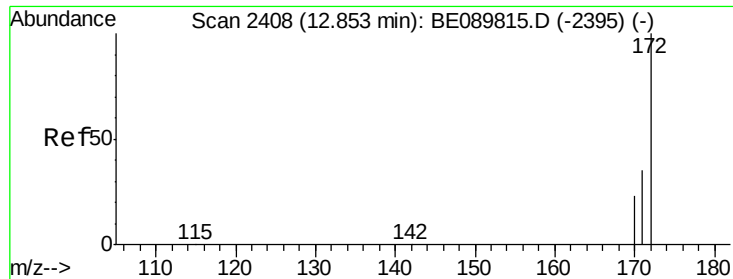
Delta R.T. -0.00 min

Lab File: BE089819.D

Acq: 24 Mar 2015 18:12

Tgt Ion:	164	Resp:	370887
Ion Ratio	Lower	Upper	
164	100		
162	109.1	87.6	131.4
160	45.9	36.7	55.1





#9

2-Fluorobiphenyl

Concen: 1.03 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089819.D

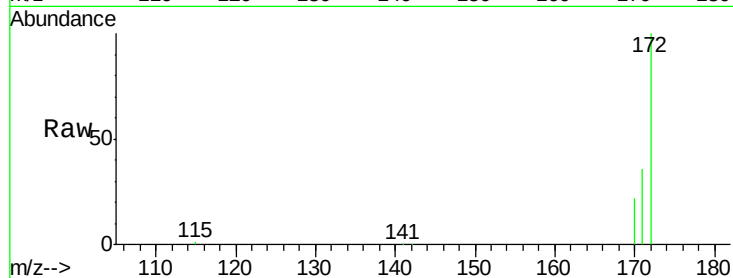
Acq: 24 Mar 2015 18:12

Instrument :

BNA_E

ClientSampleId :

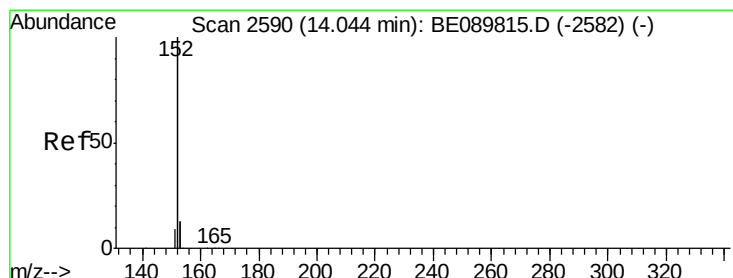
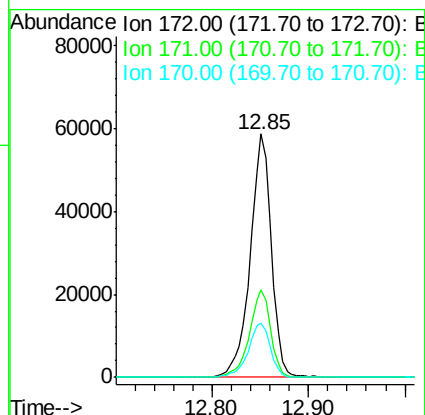
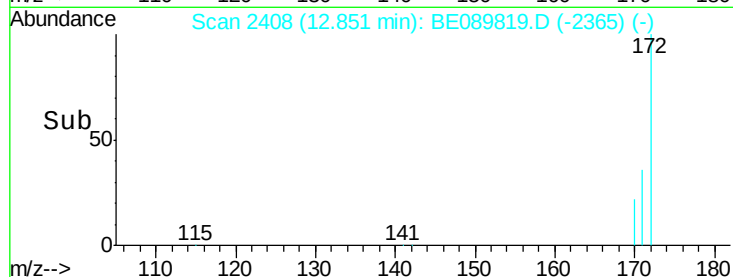
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Tgt Ion:	172	Resp:	89126
Ion Ratio	Lower	Upper	
172	100		
171	35.8	30.8	46.2
170	22.4	21.0	31.4

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#10

Acenaphthylene

Concen: 1.04 ng

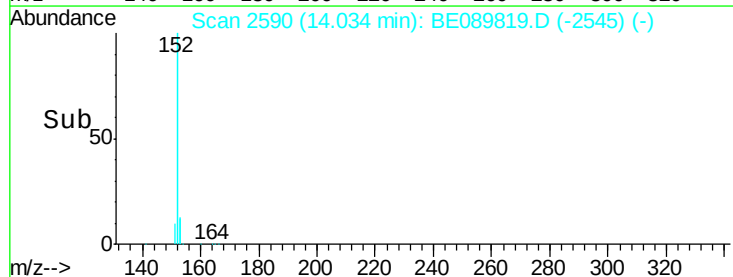
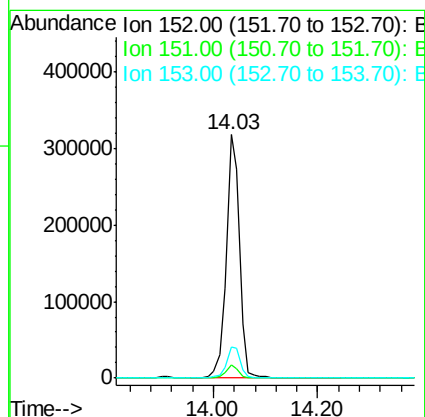
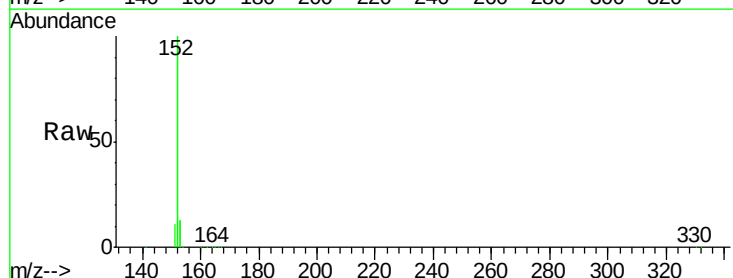
RT: 14.03 min Scan# 2590

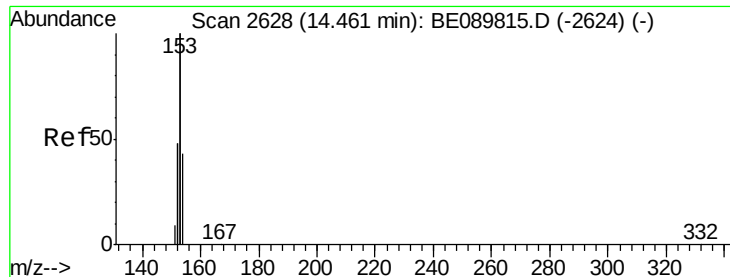
Delta R.T. -0.01 min

Lab File: BE089819.D

Acq: 24 Mar 2015 18:12

Tgt Ion:	152	Resp:	551234
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.9	5.9
153	13.1	11.0	16.4





#11

Acenaphthene

Concen: 1.00 ng

RT: 14.46 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BE089819.D

Acq: 24 Mar 2015 18:12

Instrument :

BNA_E

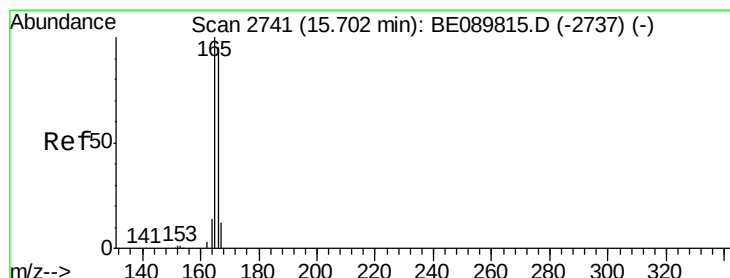
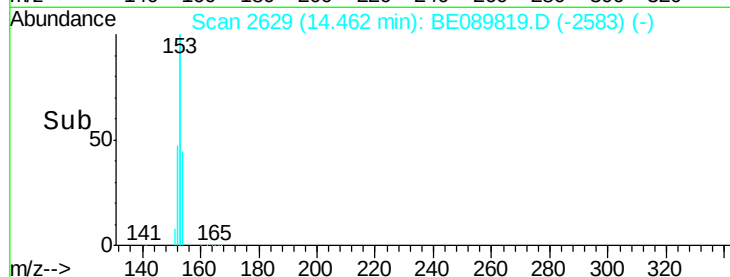
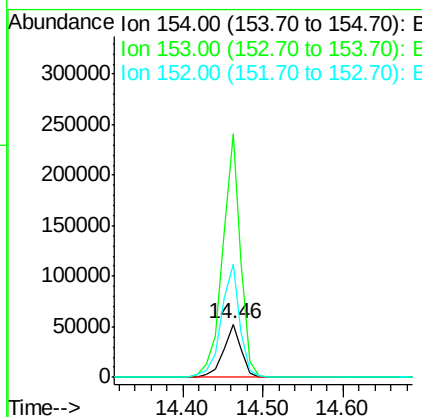
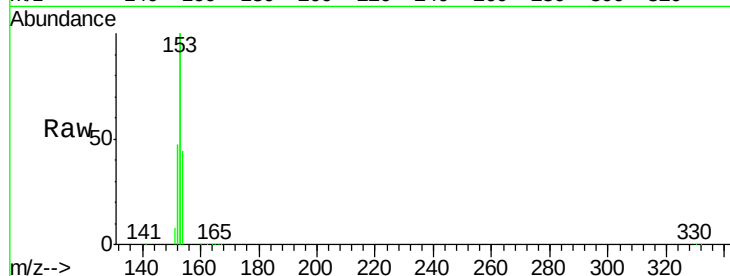
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
154	100		
153	464.4	401.5	602.3
152	222.4	198.6	298.0

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#12

Fluorene

Concen: 1.01 ng

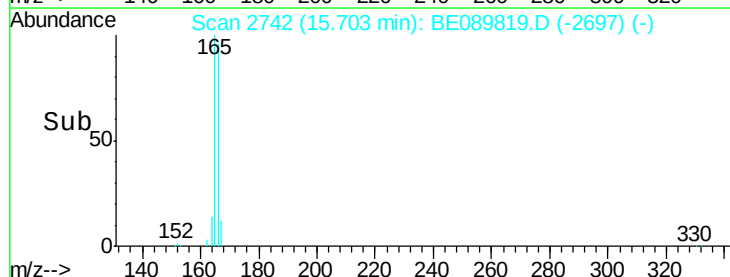
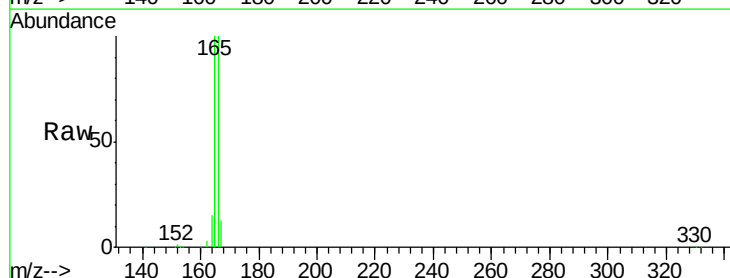
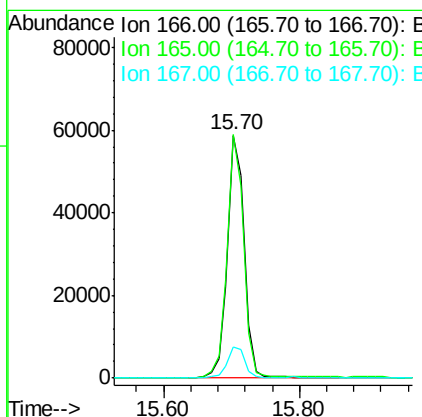
RT: 15.70 min Scan# 2742

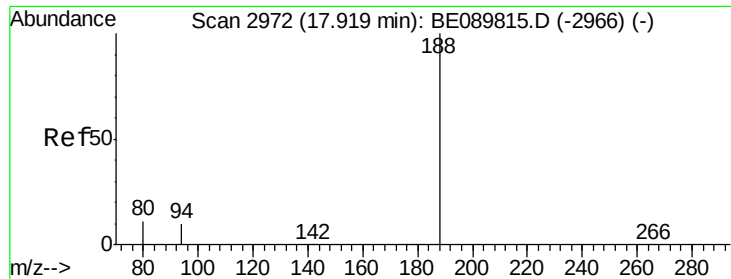
Delta R.T. -0.01 min

Lab File: BE089819.D

Acq: 24 Mar 2015 18:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.9	85.1	127.7
167	13.2	12.2	18.4





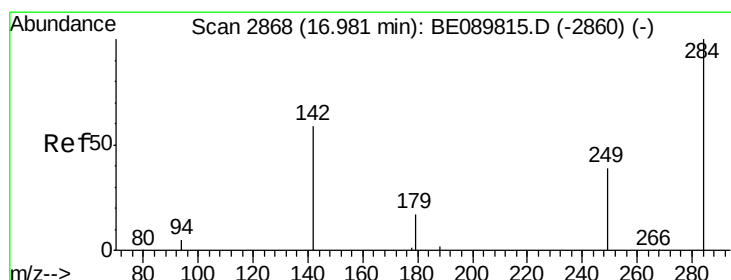
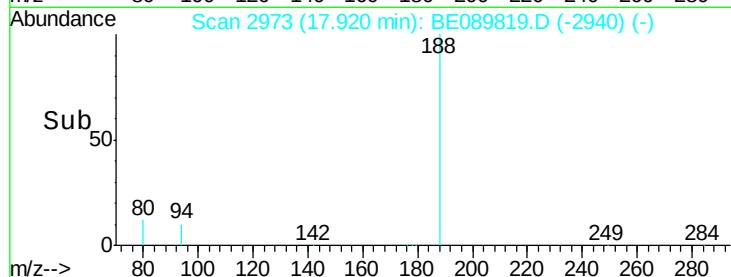
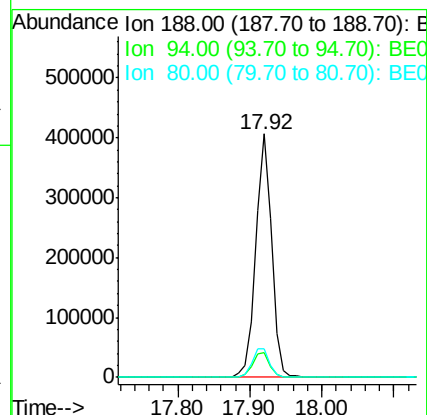
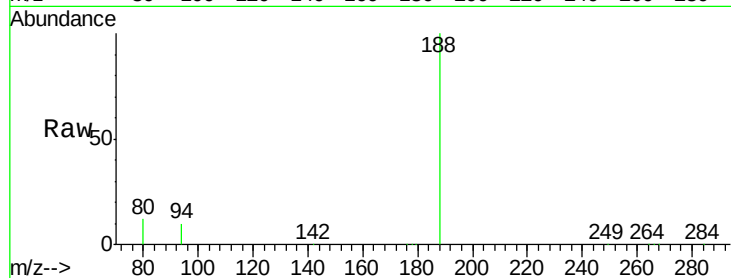
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.92 min Scan# 2973
Delta R.T. 0.00 min
Lab File: BE089819.D
Acq: 24 Mar 2015 18:12

Instrument :
BNA_E
ClientSampleId :
ICVBE032415

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.0	8.5	12.7
80	11.6	10.0	15.0

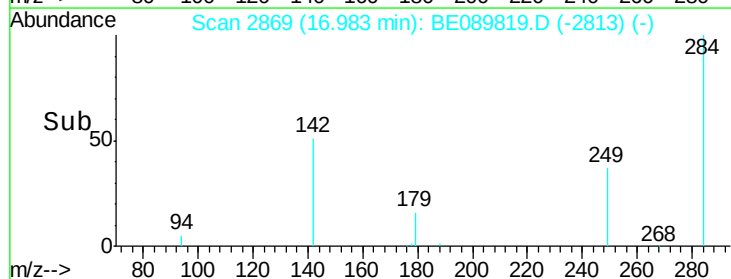
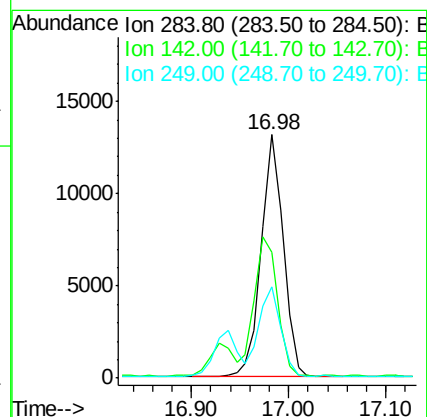
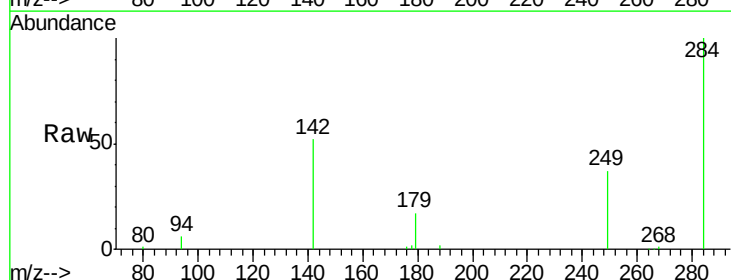
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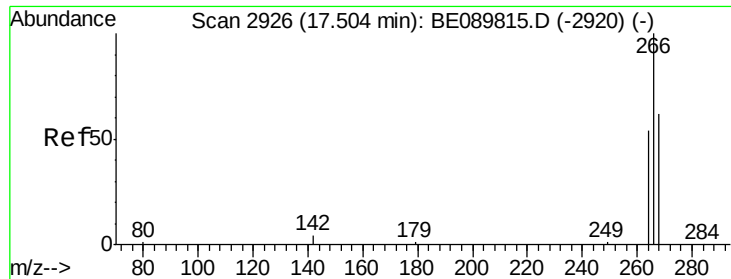
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#14
Hexachlorobenzene
Concen: 0.98 ng
RT: 16.98 min Scan# 2869
Delta R.T. 0.00 min
Lab File: BE089819.D
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Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	60.0	53.3	79.9
249	37.2	31.1	46.7





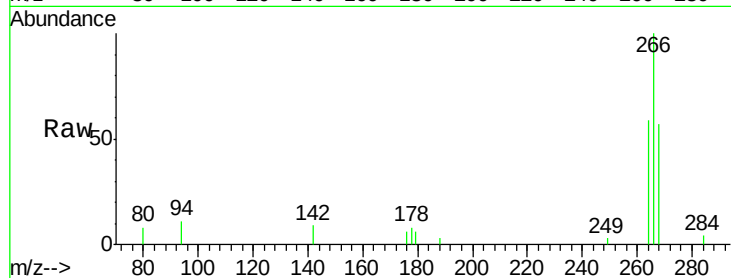
#15
 Pentachlorophenol
 Concen: 0.56 ng
 RT: 17.51 min Scan# 2927
 Delta R.T. 0.00 min
 Lab File: BE089819.D
 Acq: 24 Mar 2015 18:12

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE032415

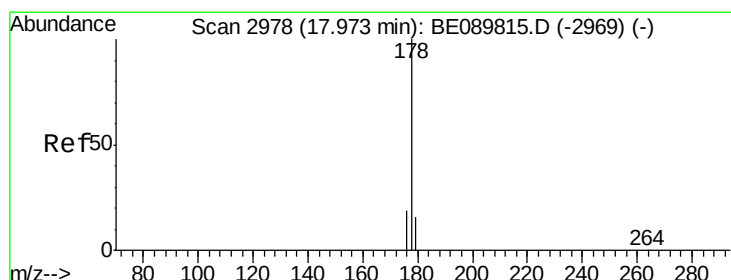
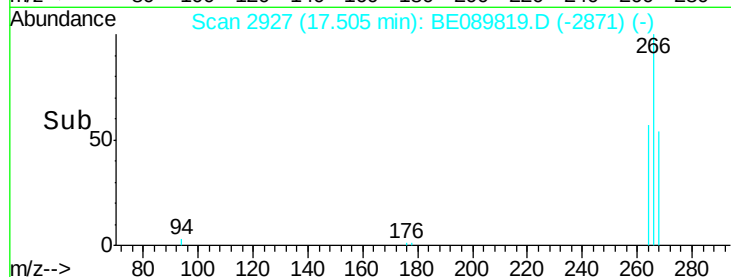
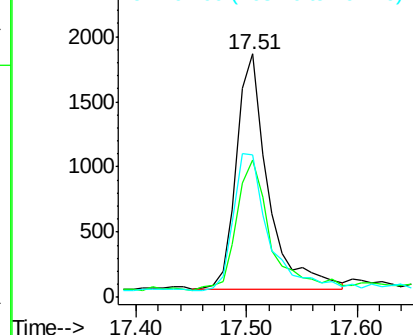
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	3609		
268	56.6		51.6	77.4
264	58.6		50.2	75.2

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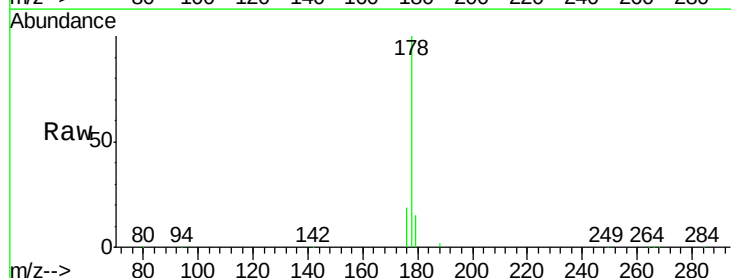


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

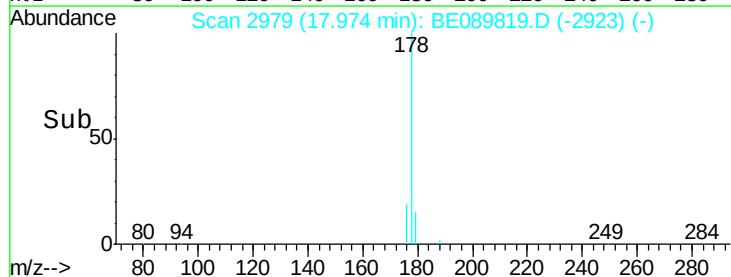
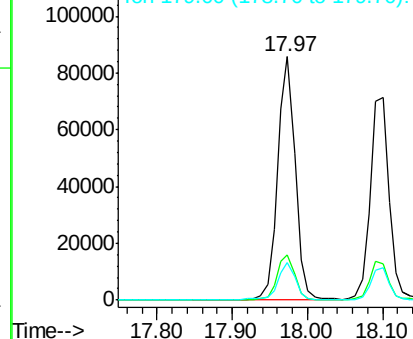


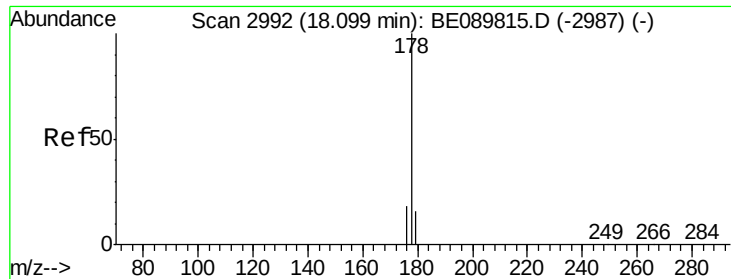
#16
 Phenanthrene
 Concen: 1.00 ng
 RT: 17.97 min Scan# 2979
 Delta R.T. 0.00 min
 Lab File: BE089819.D
 Acq: 24 Mar 2015 18:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	138914		
176	19.0		15.4	23.0
179	15.5		12.2	18.4



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





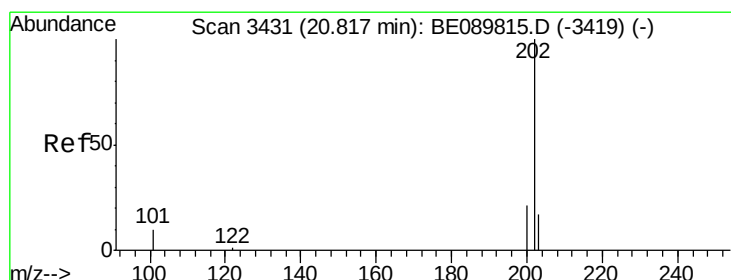
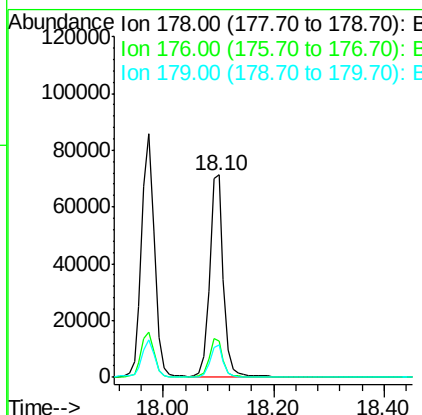
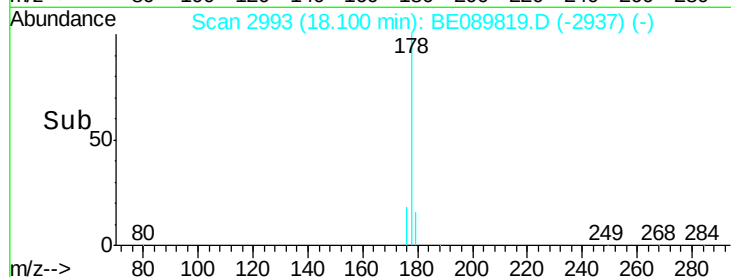
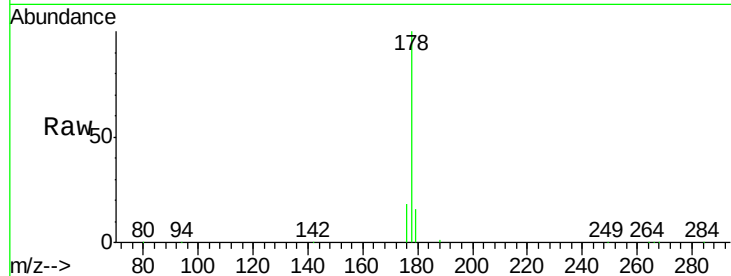
#17
 Anthracene
 Concen: 1.01 ng
 RT: 18.10 min Scan# 2993
 Delta R.T. 0.00 min
 Lab File: BE089819.D
 Acq: 24 Mar 2015 18:12

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE032415

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.2	12.1	18.1

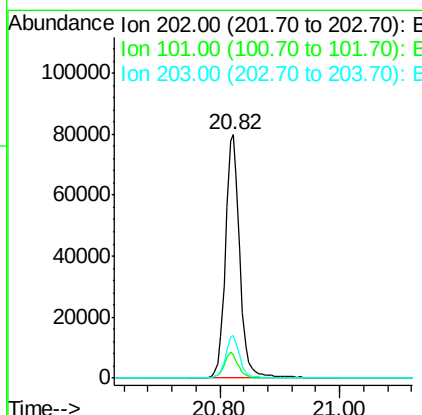
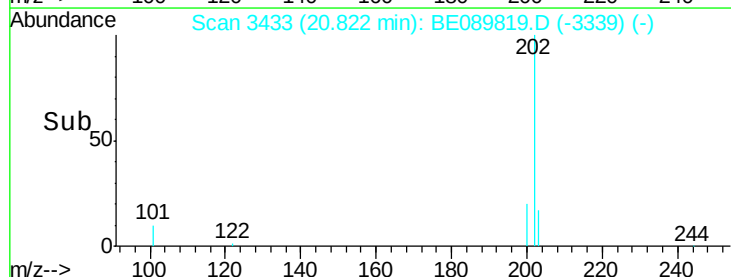
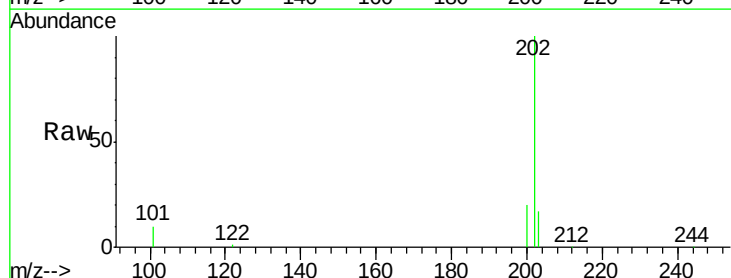
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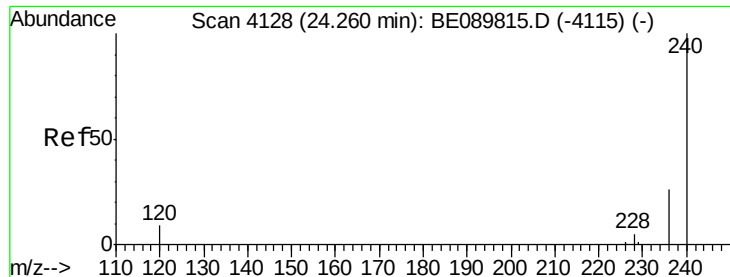
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#18
 Fluoranthene
 Concen: 1.08 ng
 RT: 20.82 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: BE089819.D
 Acq: 24 Mar 2015 18:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.2	12.2
203	17.2	14.2	21.4





#19

Chrysene-d12

Concen: 5.00 ng

RT: 24.26 min Scan# 4129

Delta R.T. -0.00 min

Lab File: BE089819.D

Acq: 24 Mar 2015 18:12

Instrument :

BNA_E

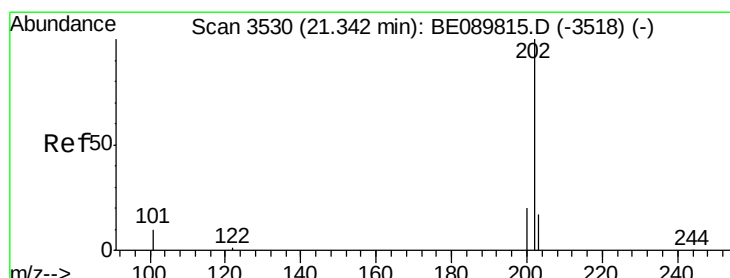
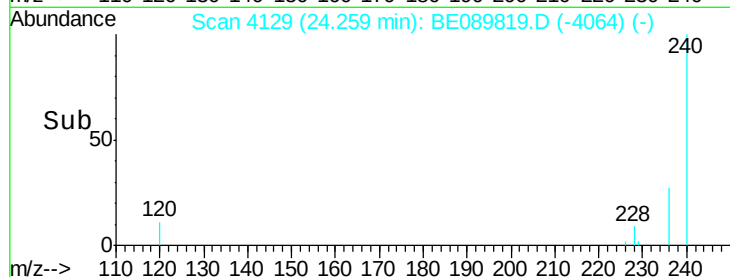
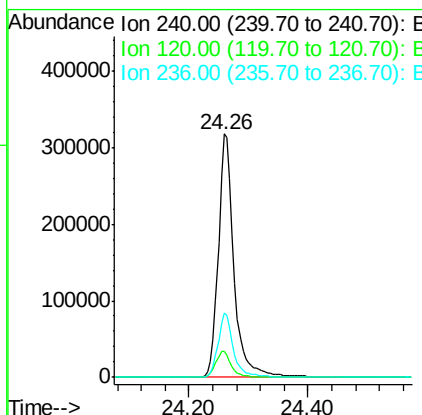
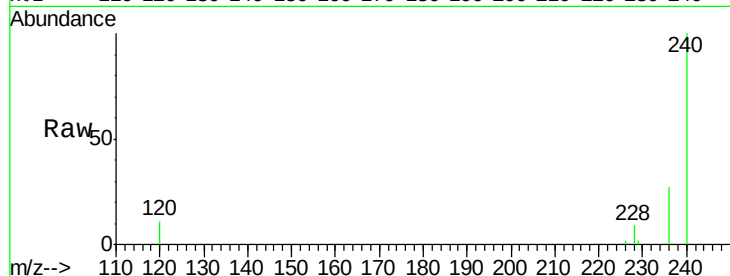
ClientSampleId :

ICVBE032415

Tgt	Ion	240	Resp	583671
Ion	Ratio	Lower	Upper	
240	100			
120	10.8	7.5	11.3	
236	26.6	20.5	30.7	

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#20

Pyrene

Concen: 0.94 ng

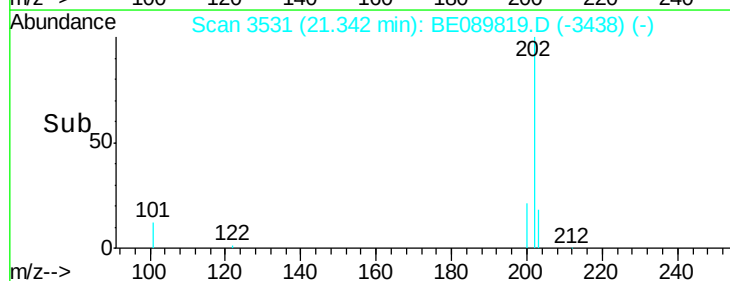
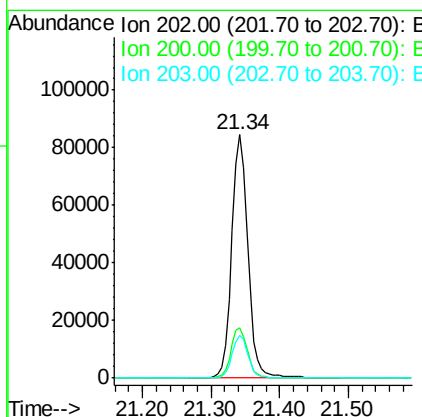
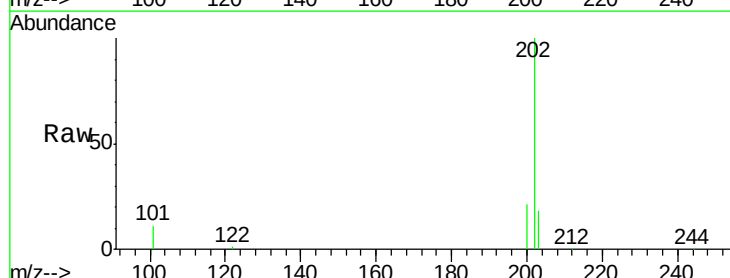
RT: 21.34 min Scan# 3531

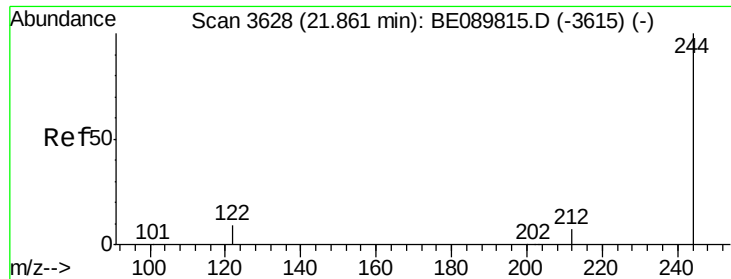
Delta R.T. -0.01 min

Lab File: BE089819.D

Acq: 24 Mar 2015 18:12

Tgt	Ion	202	Resp	138659
Ion	Ratio	Lower	Upper	
202	100			
200	21.0	15.9	23.9	
203	17.4	13.6	20.4	





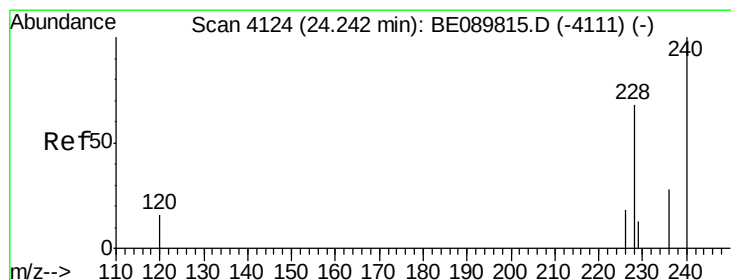
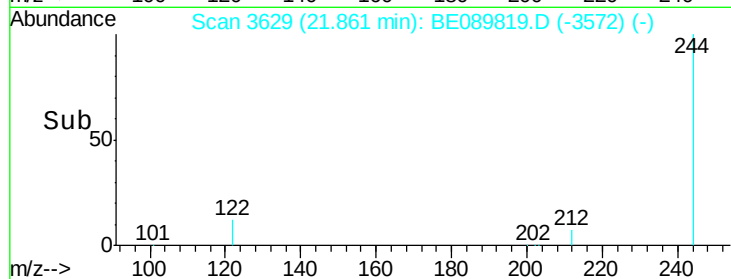
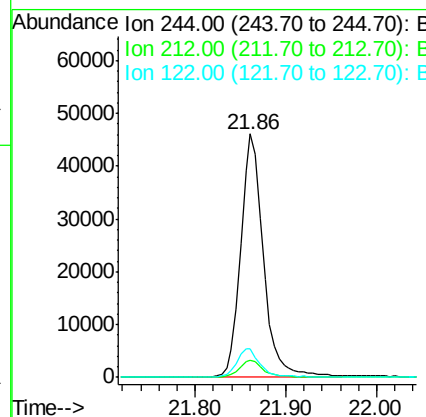
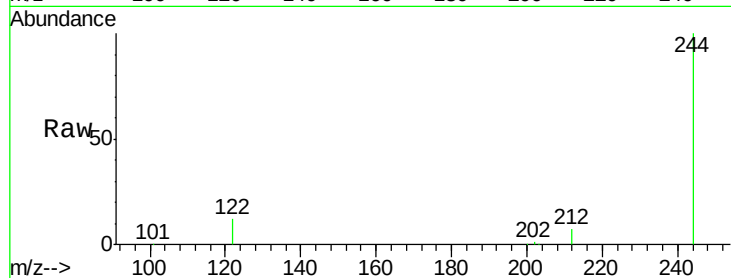
#21
 Terphenyl-d14
 Concen: 0.93 ng
 RT: 21.86 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: BE089819.D
 Acq: 24 Mar 2015 18:12

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE032415

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	7.3	10.9#
122	11.8	10.5	15.7

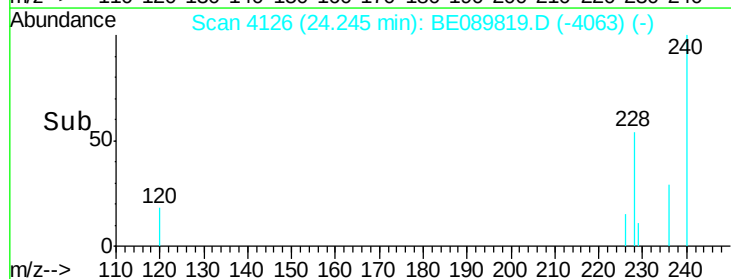
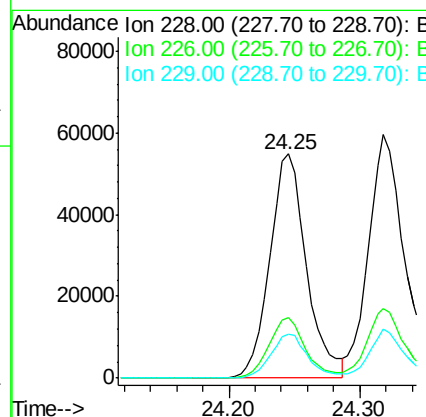
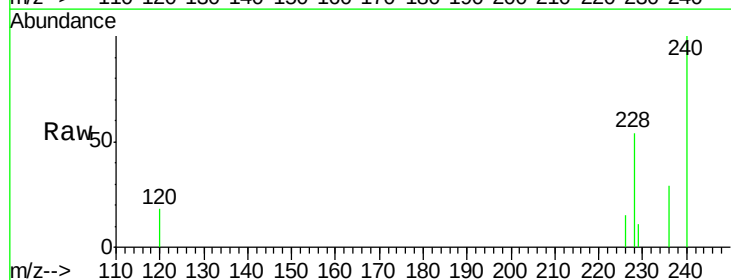
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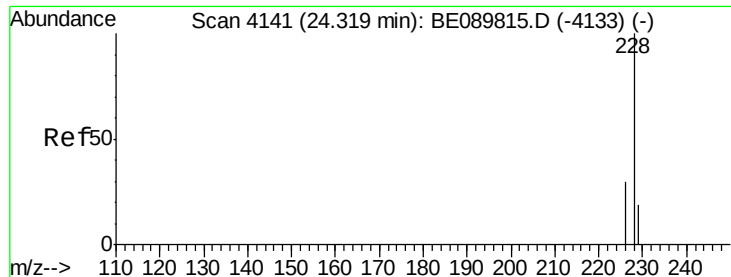
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#22
 Benzo(a)anthracene
 Concen: 0.98 ng
 RT: 24.25 min Scan# 4126
 Delta R.T. -0.00 min
 Lab File: BE089819.D
 Acq: 24 Mar 2015 18:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	19.8	29.8
229	19.6	16.3	24.5





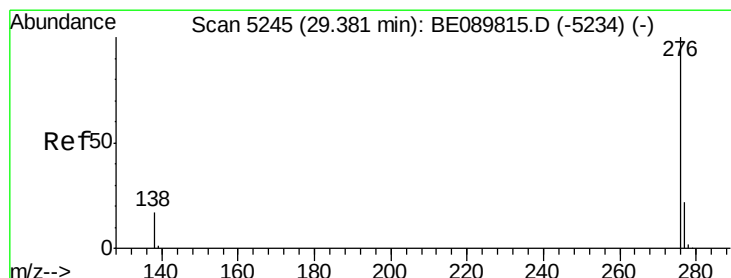
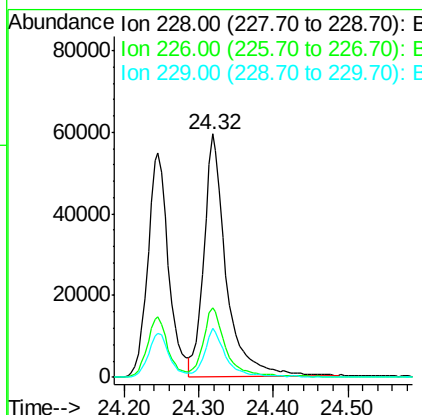
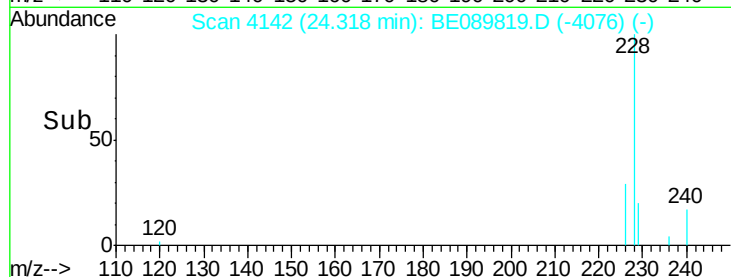
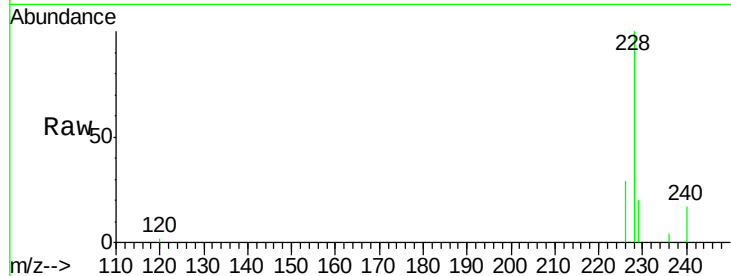
#23
Chrysene
Concen: 1.04 ng
RT: 24.32 min Scan# 4142
Delta R.T. 0.00 min
Lab File: BE089819.D
Acq: 24 Mar 2015 18:12

Instrument :
BNA_E
ClientSampleId :
ICVBE032415

Tgt Ion:	228	Resp:	123666
Ion Ratio	Lower	Upper	
228	100		
226	28.8	23.0	34.4
229	20.0	15.8	23.6

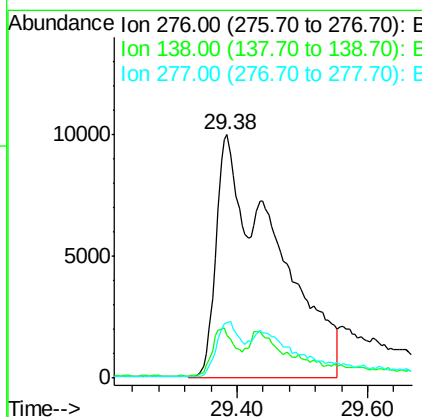
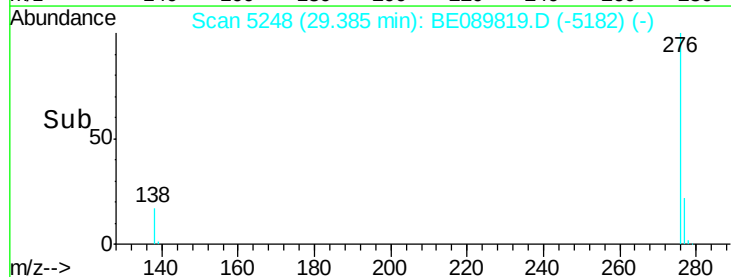
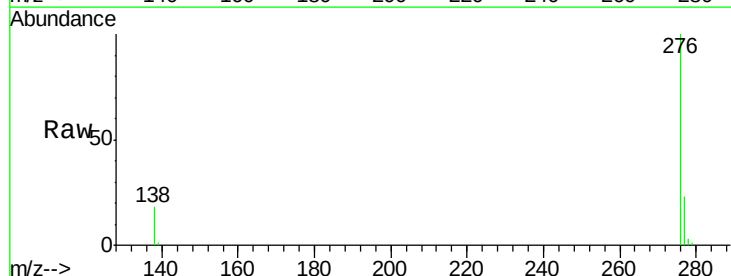
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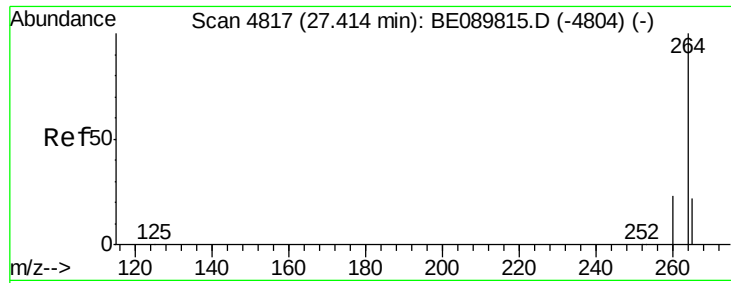
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#24
Indeno(1,2,3-cd)pyrene
Concen: 0.91 ng m
RT: 29.38 min Scan# 5248
Delta R.T. 0.00 min
Lab File: BE089819.D
Acq: 24 Mar 2015 18:12

Tgt Ion:	276	Resp:	62208
Ion Ratio	Lower	Upper	
276	100		
138	7.7	4.3	6.5#
277	9.2	9.0	13.4





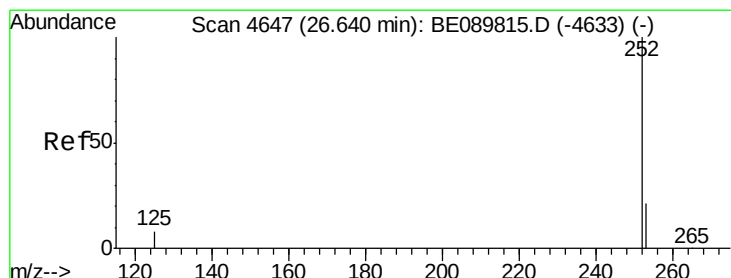
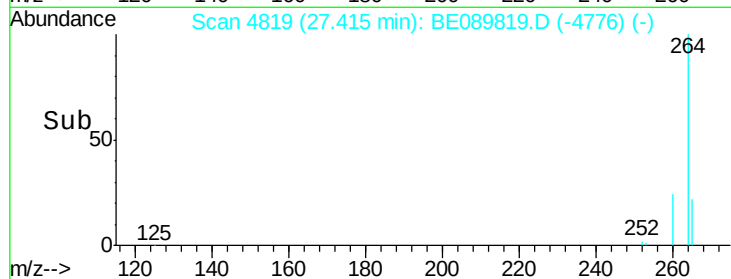
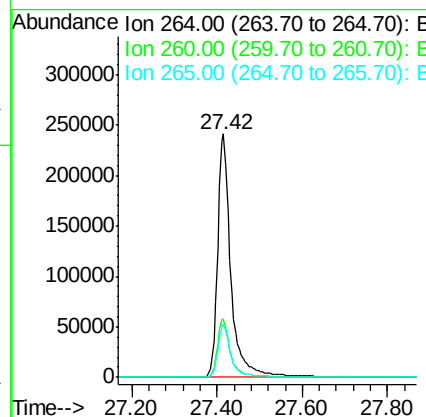
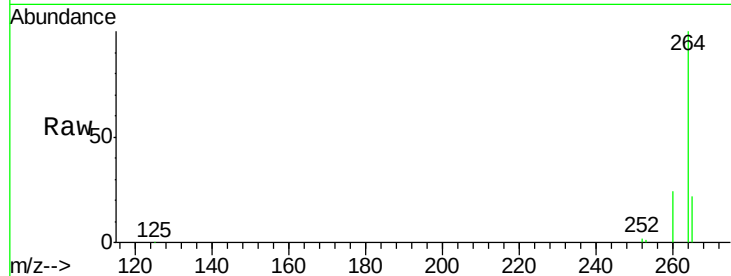
#25
Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4819
 Delta R.T. 0.00 min
 Lab File: BE089819.D
 Acq: 24 Mar 2015 18:12

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE032415

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	21.6	17.3	25.9

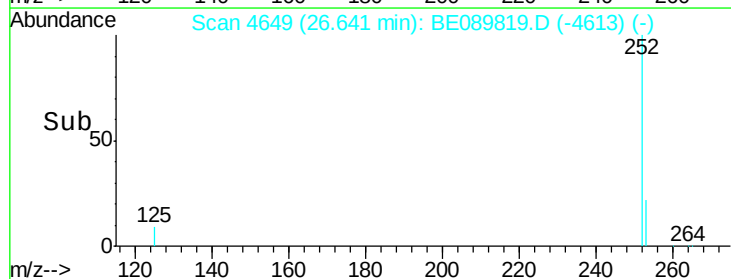
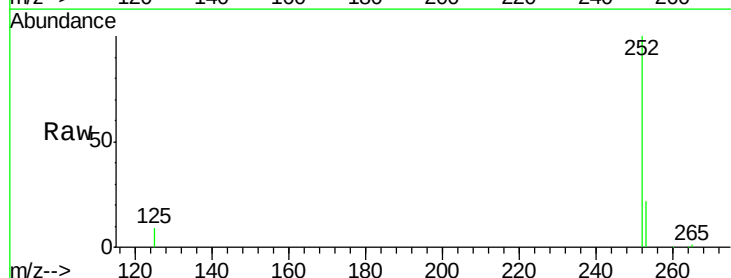
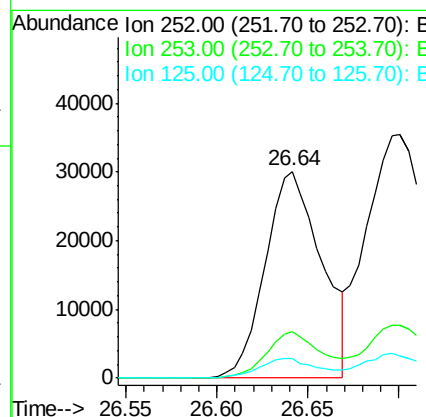
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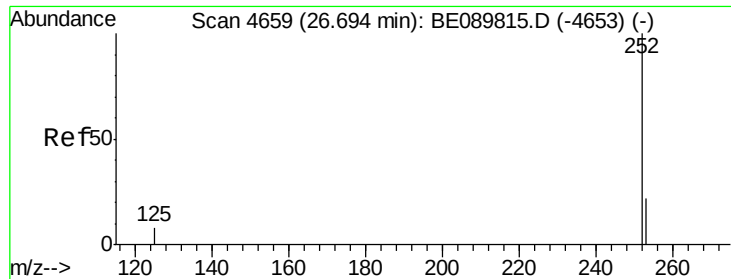
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#26
Benzo(b)fluoranthene
 Concen: 0.88 ng
 RT: 26.64 min Scan# 4649
 Delta R.T. 0.01 min
 Lab File: BE089819.D
 Acq: 24 Mar 2015 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	9.5	8.7	13.1





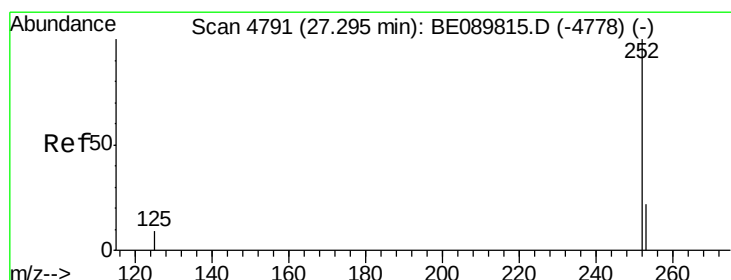
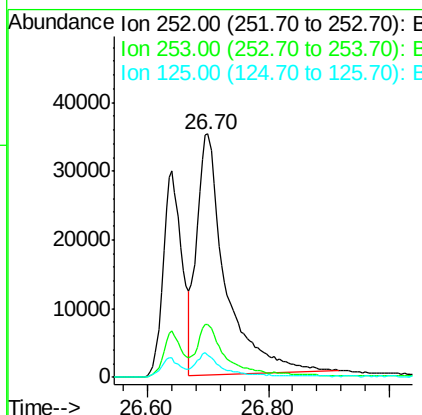
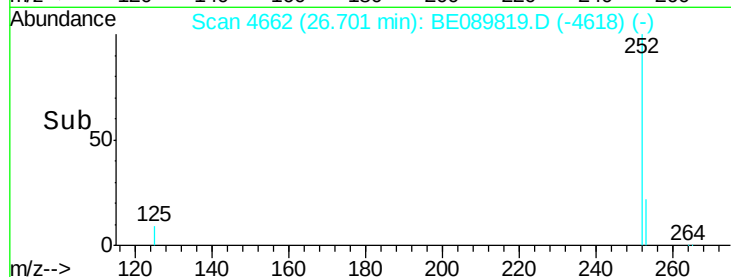
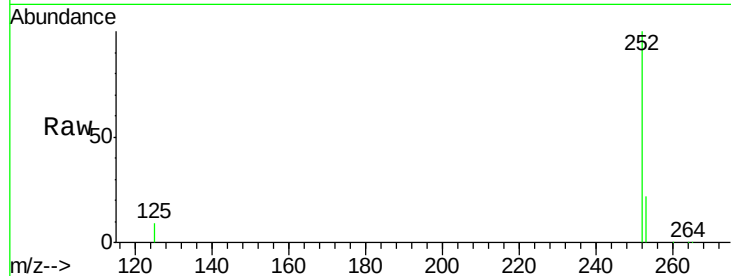
#27
Benzo(k)fluoranthene
Concen: 1.12 ng
RT: 26.70 min Scan# 4662
Delta R.T. 0.00 min
Lab File: BE089819.D
Acq: 24 Mar 2015 18:12

Instrument :
BNA_E
ClientSampleId :
ICVBE032415

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.6	28.0
125	9.1	10.8	16.2

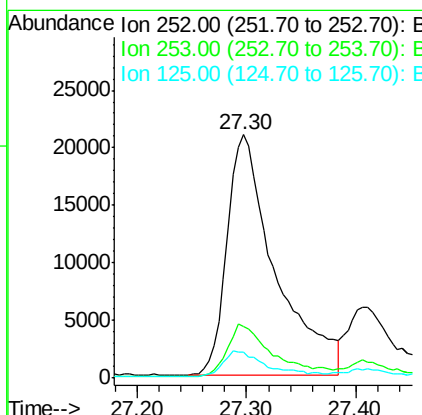
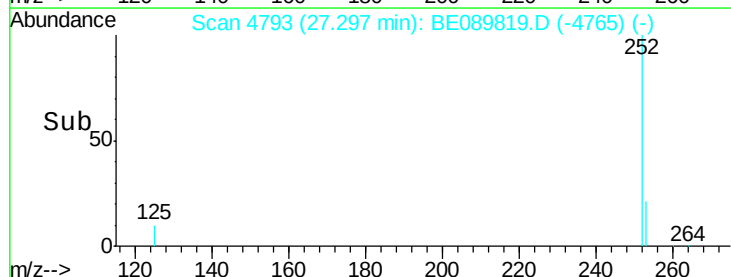
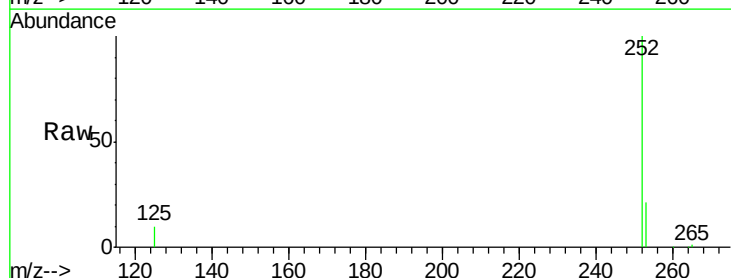
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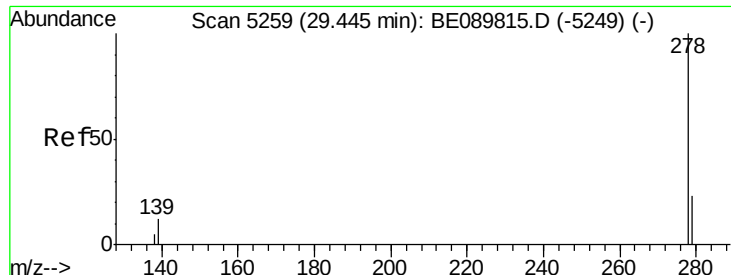
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#28
Benzo(a)pyrene
Concen: 0.90 ng
RT: 27.30 min Scan# 4793
Delta R.T. -0.00 min
Lab File: BE089819.D
Acq: 24 Mar 2015 18:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	21.0	31.4
125	10.5	13.3	19.9





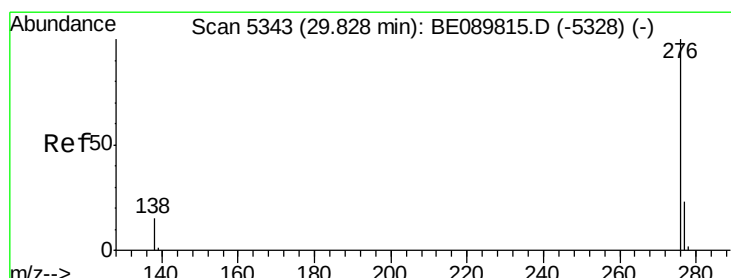
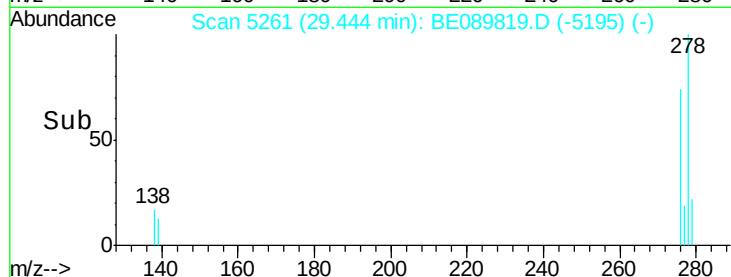
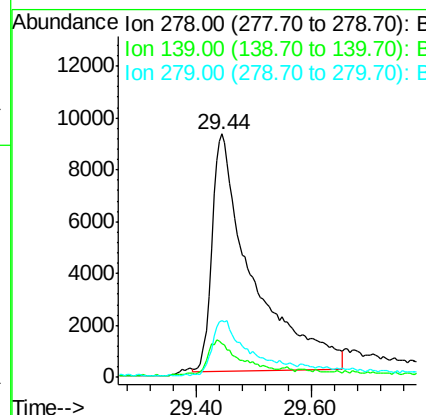
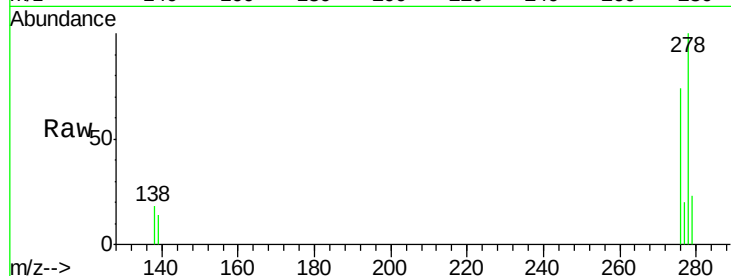
#29
Dibenzo(a,h)anthracene
Concen: 0.86 ng
RT: 29.44 min Scan# 5261
Delta R.T. 0.00 min
Lab File: BE089819.D
Acq: 24 Mar 2015 18:12

Instrument :
BNA_E
ClientSampleId :
ICVBE032415

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.6	20.0	30.0#
279	23.1	28.9	43.3#

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#30
Benzo(g,h,i)perylene
Concen: 0.97 ng
RT: 29.83 min Scan# 5345
Delta R.T. 0.01 min
Lab File: BE089819.D
Acq: 24 Mar 2015 18:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	19.3	22.9	34.3#

