

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089417.D
 Acq On : 29 Jan 2015 17:06
 Operator : TP/IZ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE012915

Manual Integrations
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Quant Time: Jan 30 17:15:45 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 17:07:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	126812	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	467790	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	181160	5.00	ng	0.00
17) Phenanthrene-d10	19.98	188	354641	5.00	ng	0.00
20) Chrysene-d12	23.84	240	437157	5.00	ng	0.00
27) Perylene-d12	25.55	264	430606	5.00	ng	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	6.73	112	45622	0.96	ng	0.00
4) Phenol-d6	8.84	99	54414	0.96	ng	0.00
8) Nitrobenzene-d5	10.84	82	37282	0.98	ng	0.00
14) 2,4,6-Tribromophenol	18.58	330	4697	0.94	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	49510	0.98	ng	0.00
22) Terphenyl-d14	22.48	244	50749	1.00	ng	0.00
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	3.58	42	26368	0.98	ng	# 86
5) Phenol	8.87	94	59413	0.96	ng	99
6) bis(2-Chloroethyl)ether	9.06	93	44527	0.96	ng	# 99
9) Nitrobenzene	10.88	77	42534	0.98	ng	100
10) 2,4-Dimethylphenol	11.82	122	29830	0.97	ng	98
11) 2,4-Dichlorophenol	12.21	162	20639	0.96	ng	97
12) Hexachlorobutadiene	12.89	225	13613	0.94	ng	98
16) 2,4-Dinitrophenol	16.89	184	890	0.99	ng	88
18) Hexachlorobenzene	19.23	284	16810	0.97	ng	93
19) Pentachlorophenol	19.65	266	2368	0.80	ng	96
21) Benzidine	22.14	184	20079	0.75	ng	98
23) Benzo(a)anthracene	23.84	228	279256	0.84	ng	94
24) 3,3'-Dichlorobenzidine	23.81	252	19522	0.79	ng	98
25) Chrysene	23.87	228	450972	0.99	ng	100
26) Indeno(1,2,3-cd)pyrene	27.05	276	47070	0.70	ng	# 100
28) Benzo(b)fluoranthene	25.09	252	27342m	0.76	ng	
29) Benzo(k)fluoranthene	25.13	252	97438m	0.74	ng	
30) Benzo(a)pyrene	25.48	252	37214	0.77	ng	99
31) Dibenzo(a,h)anthracene	27.08	278	33028	0.75	ng	97

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

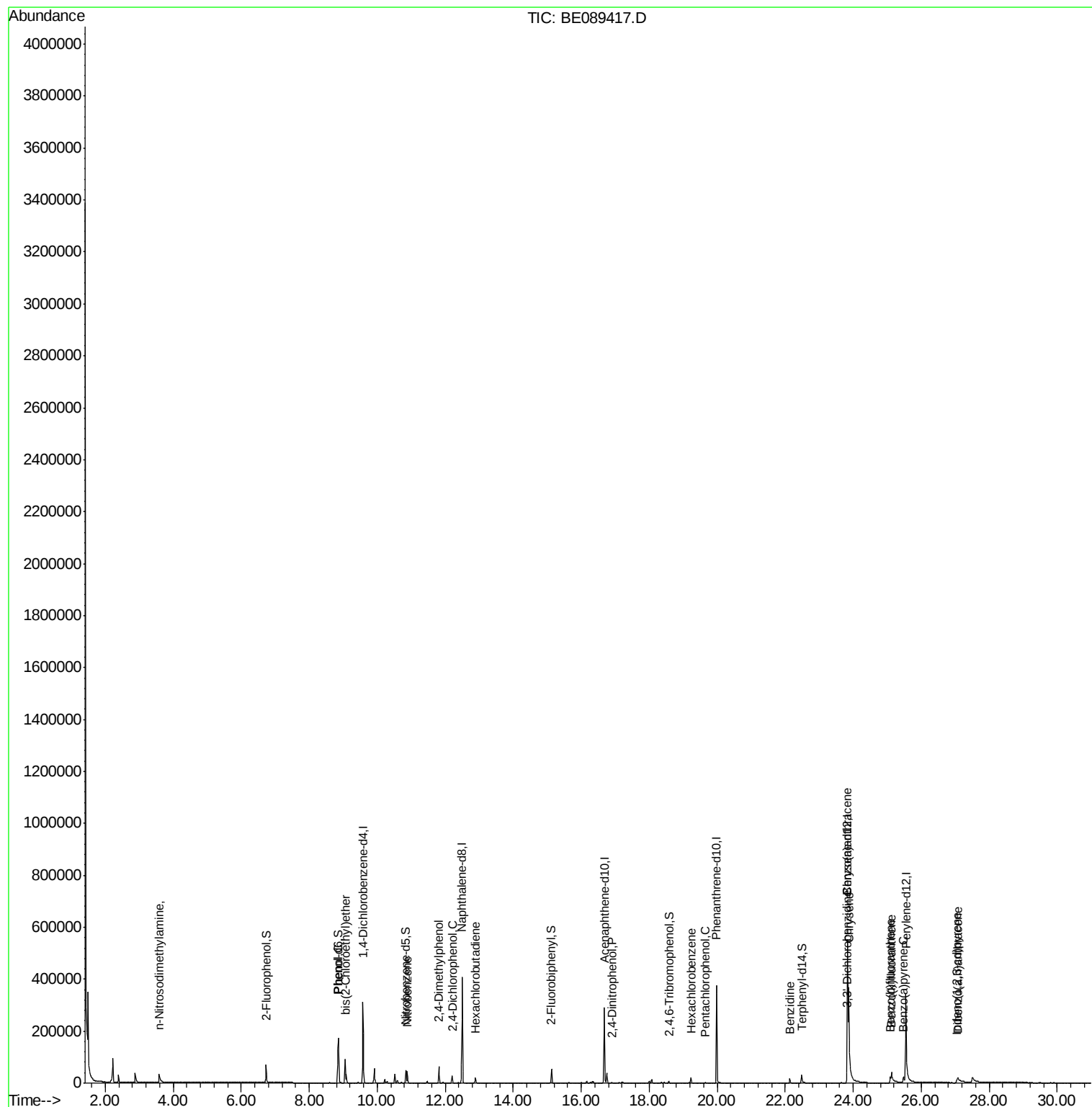
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
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ALS Vial : 10 Sample Multiplier: 1

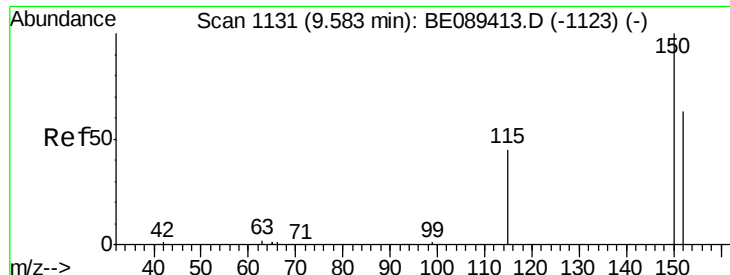
Instrument :
BNA_E
ClientSampleId :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. -0.00 min

Lab File: BE089417.D

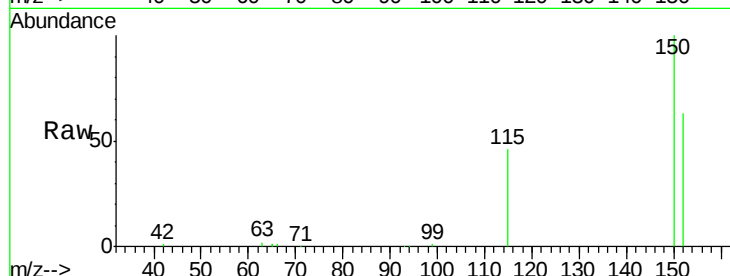
Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

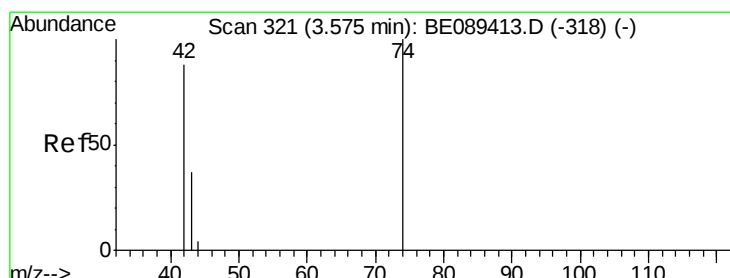
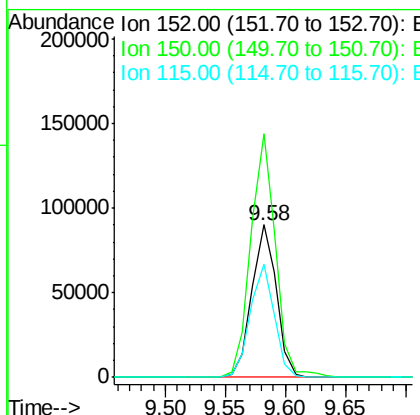
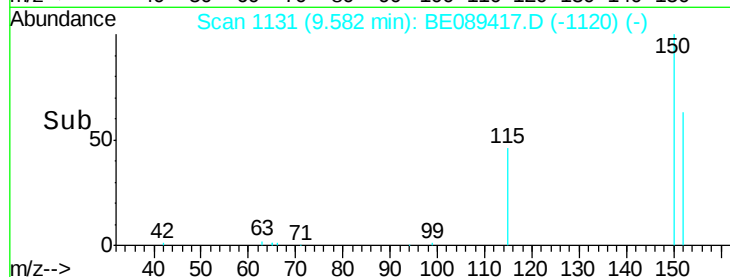
ICVBE012915



Tgt Ion:	152	Resp:	126812
Ion Ratio	Lower	Upper	
152	100		
150	159.5	126.1	189.1
115	73.8	57.1	85.7

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#2

n-Nitrosodimethylamine

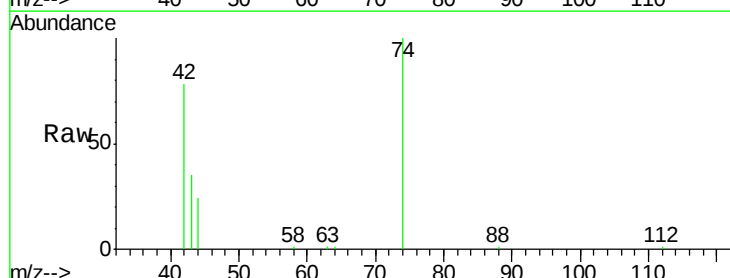
Concen: 0.98 ng

RT: 3.58 min Scan# 322

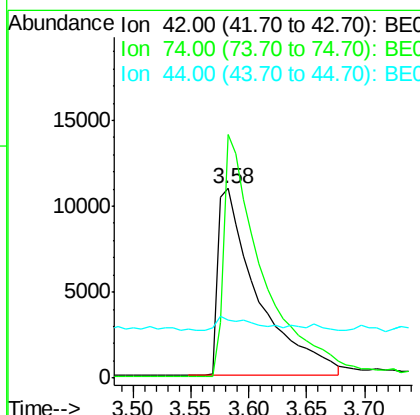
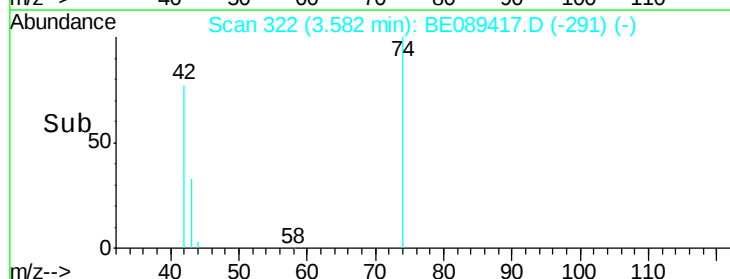
Delta R.T. 0.01 min

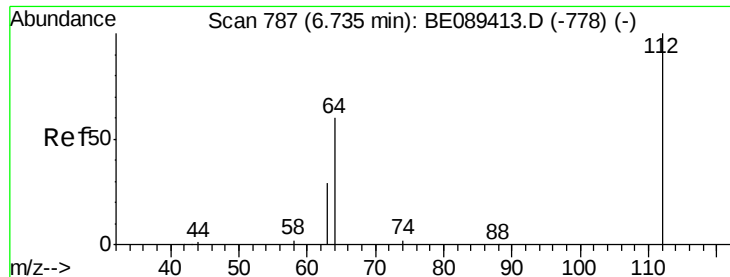
Lab File: BE089417.D

Acq: 29 Jan 2015 17:06



Tgt Ion:	42	Resp:	26368
Ion Ratio	Lower	Upper	
42	100		
74	128.5	90.2	135.2
44	30.8	19.4	29.2





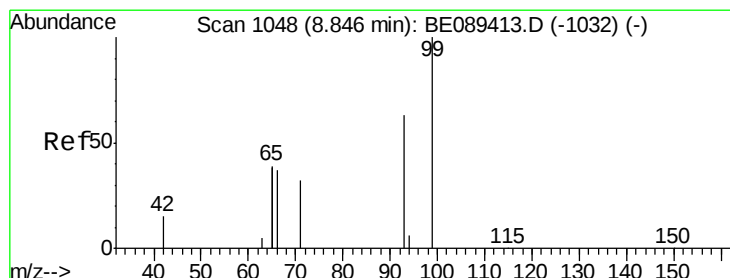
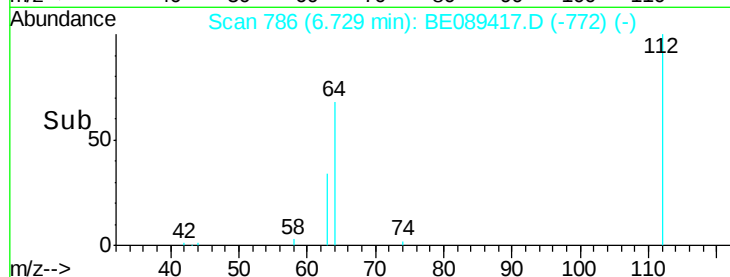
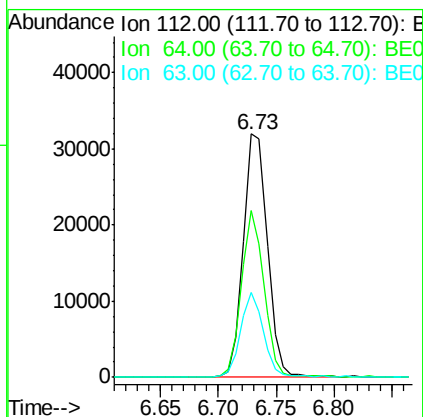
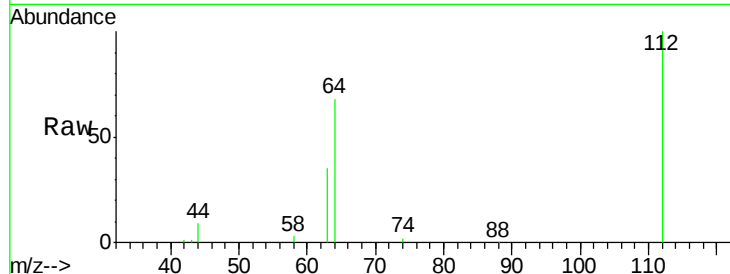
#3
2-Fluorophenol
Concen: 0.96 ng
RT: 6.73 min Scan# 786
Delta R.T. -0.01 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Instrument :
BNA_E
ClientSampleId :
ICVBE012915

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	45622		
64	68.4	48.2	72.4	
63	34.8	23.5	35.3	

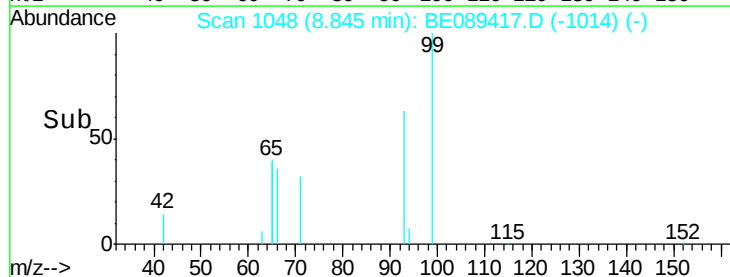
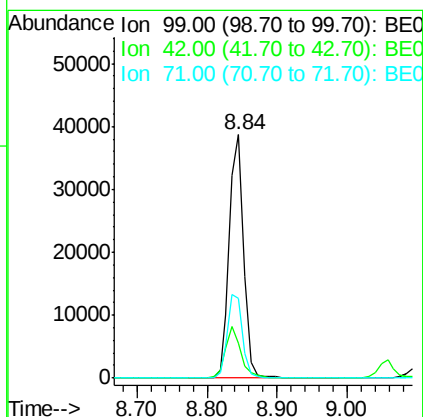
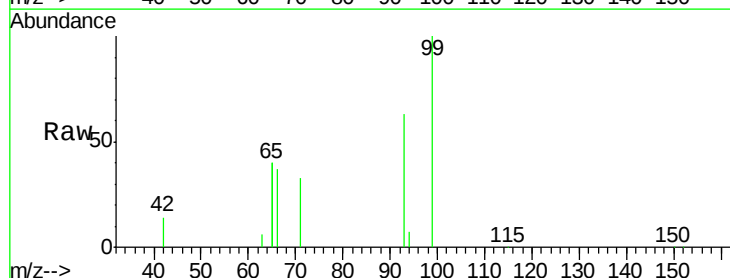
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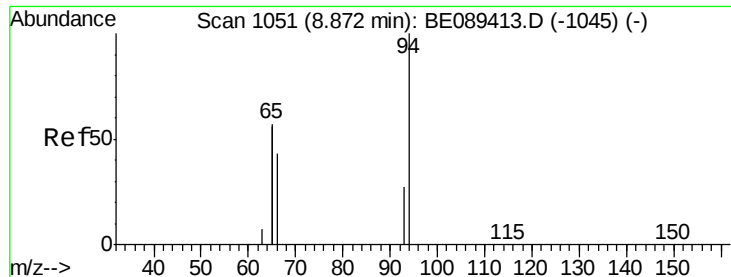
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#4
Phenol-d6
Concen: 0.96 ng
RT: 8.84 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	54414		
42	14.4	11.9	17.9	
71	32.6	25.8	38.6	





#5

Phenol

Concen: 0.96 ng

RT: 8.87 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

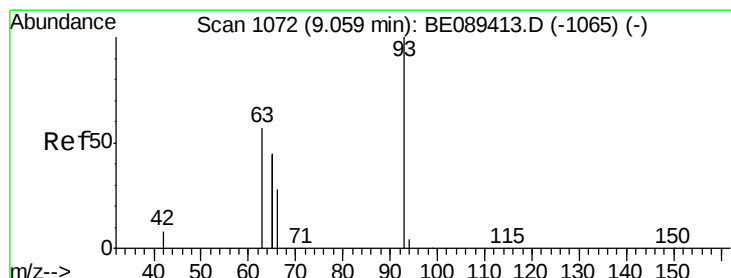
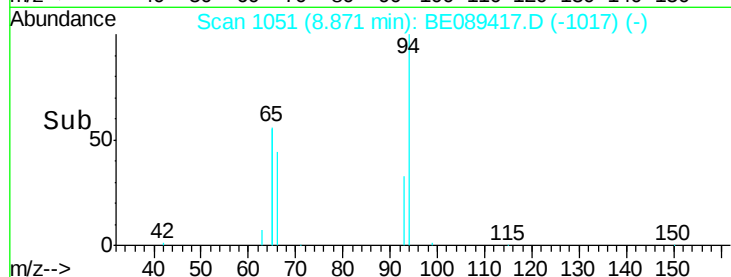
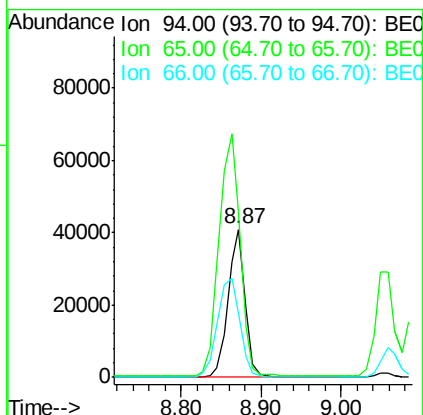
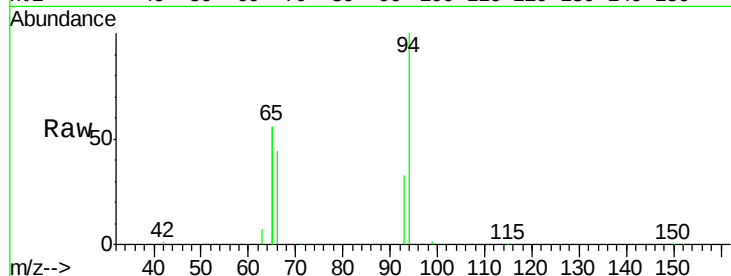
ClientSampleId :

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Tgt Ion:	94	Resp:	59413
Ion	Ratio	Lower	Upper
94	100		
65	112.3	93.3	133.3
66	44.0	23.6	63.6

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#6

bis(2-Chloroethyl)ether

Concen: 0.96 ng

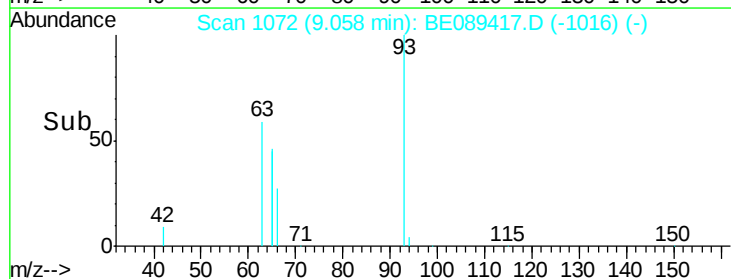
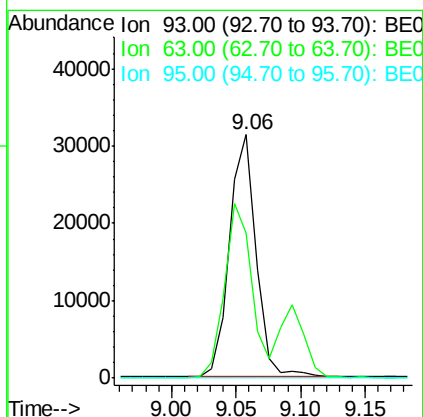
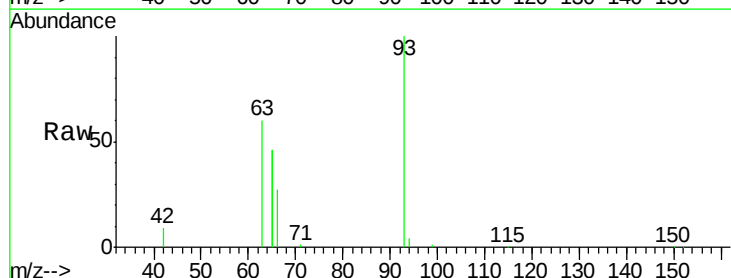
RT: 9.06 min Scan# 1072

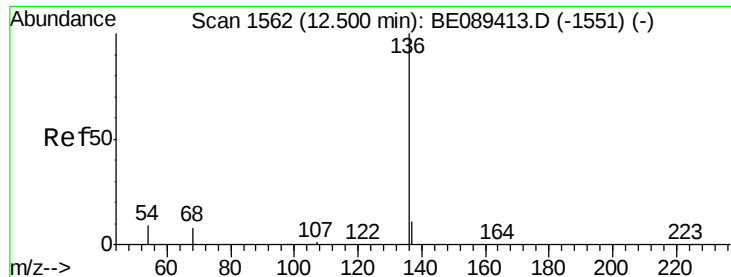
Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Tgt Ion:	93	Resp:	44527
Ion	Ratio	Lower	Upper
93	100		
63	73.8	58.6	88.0
95	0.0	0.0	0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

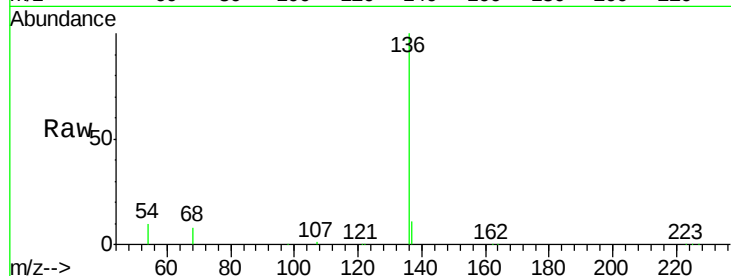
ClientSampleId :

ICVBE012915

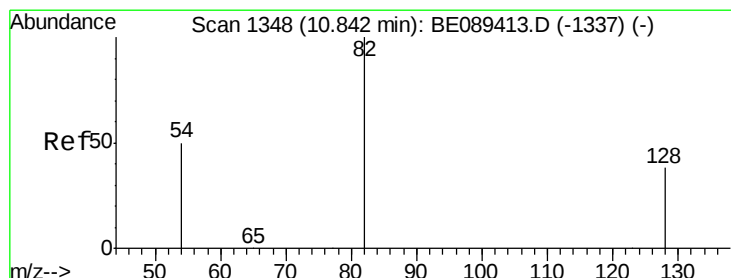
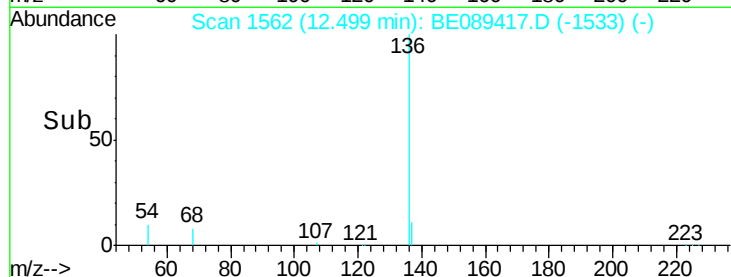
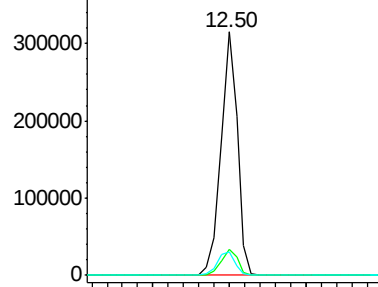
Tgt Ion:	136	Resp:	467790
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	12.8
54	9.9	7.5	11.3

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene-d5

Concen: 0.98 ng

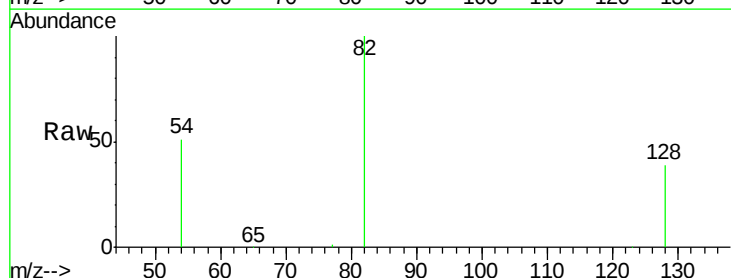
RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

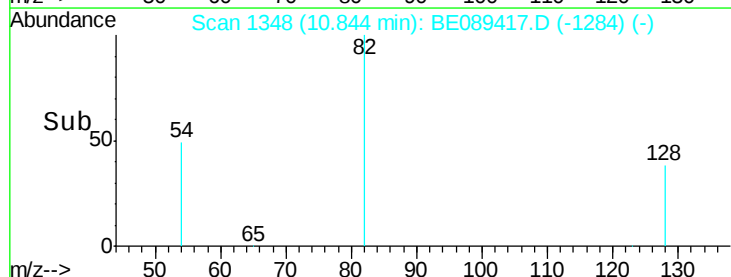
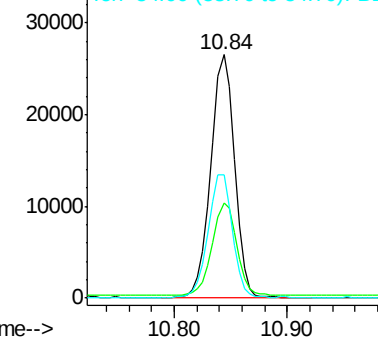
Lab File: BE089417.D

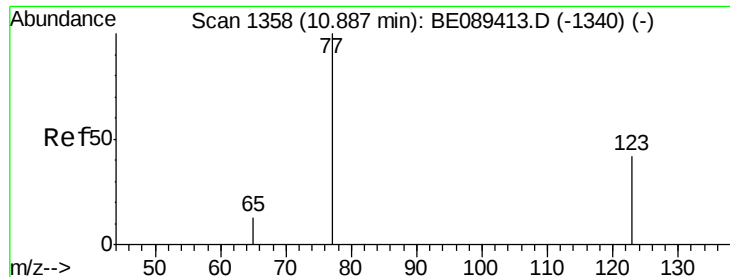
Acq: 29 Jan 2015 17:06

Tgt Ion:	82	Resp:	37282
Ion Ratio	Lower	Upper	
82	100		
128	39.3	31.0	46.4
54	50.6	39.8	59.6



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 0.98 ng

RT: 10.88 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BE089417.D

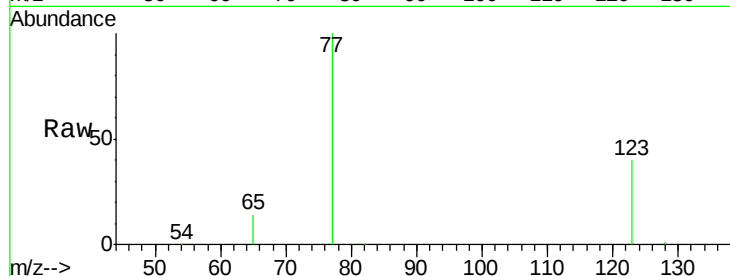
Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

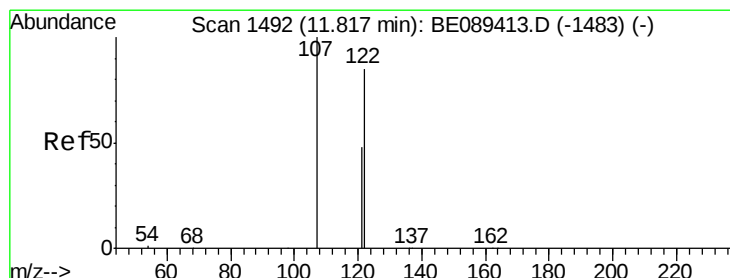
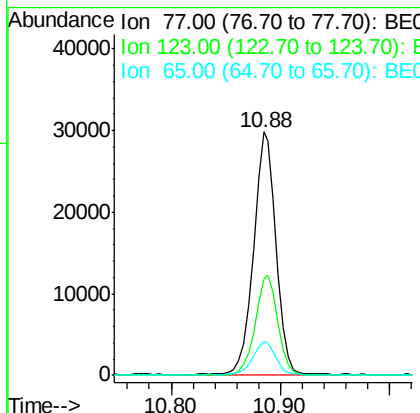
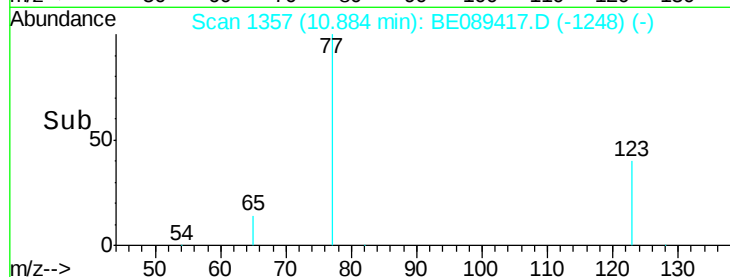
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Tgt Ion:	77	Resp:	42534
Ion	Ratio	Lower	Upper
77	100		
123	41.0	32.8	49.2
65	13.8	11.0	16.6

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#10

2,4-Dimethylphenol

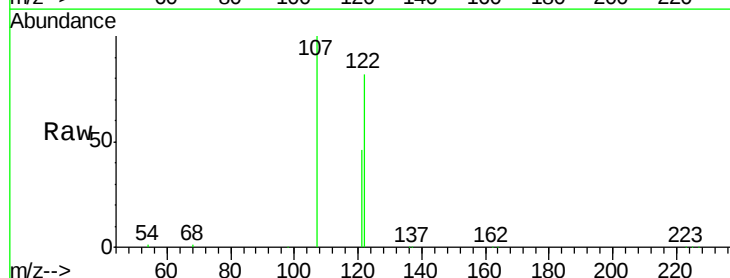
Concen: 0.97 ng

RT: 11.82 min Scan# 1492

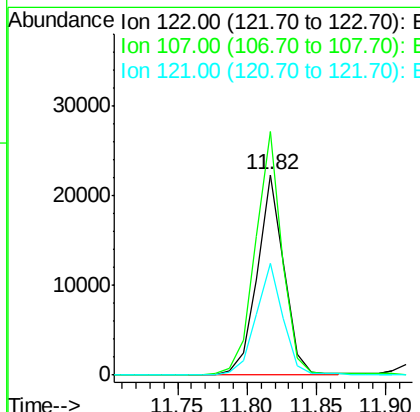
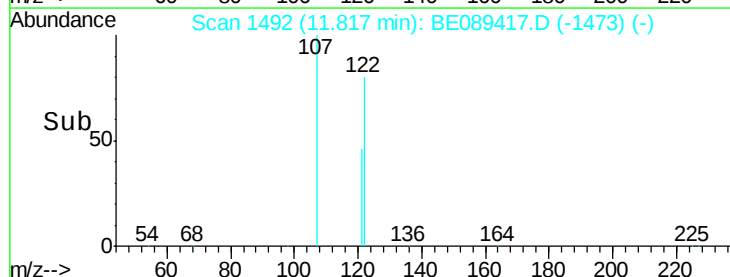
Delta R.T. -0.00 min

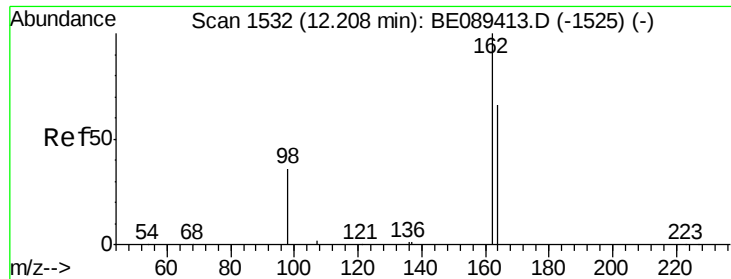
Lab File: BE089417.D

Acq: 29 Jan 2015 17:06



Tgt Ion:	122	Resp:	29830
Ion	Ratio	Lower	Upper
122	100		
107	121.6	94.6	142.0
121	56.1	45.8	68.6





#11

2,4-Dichlorophenol

Concen: 0.96 ng

RT: 12.21 min Scan# 1532

Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

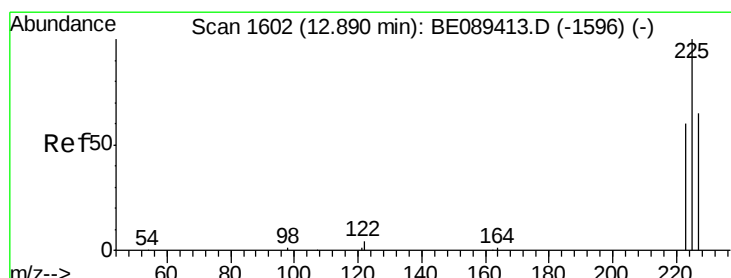
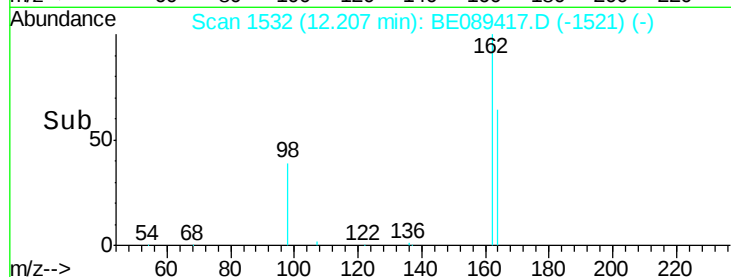
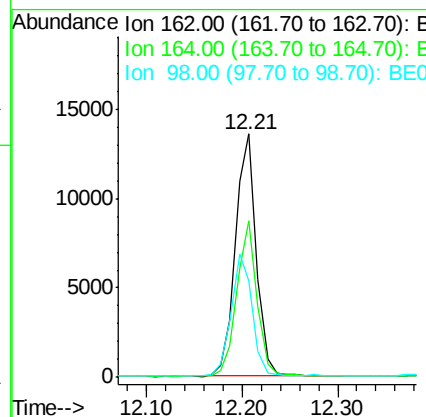
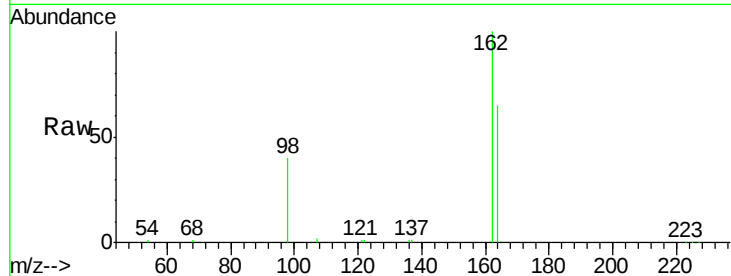
ClientSampleId :

ICVBE012915

Tgt Ion:	162	Resp:	20639
Ion Ratio	Lower	Upper	
162	100		
164	64.5	46.1	86.1
98	39.5	16.2	56.2

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#12

Hexachlorobutadiene

Concen: 0.94 ng

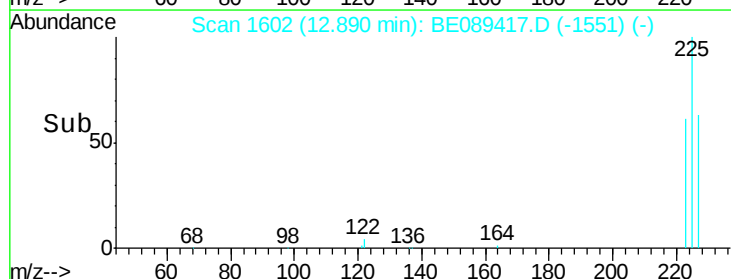
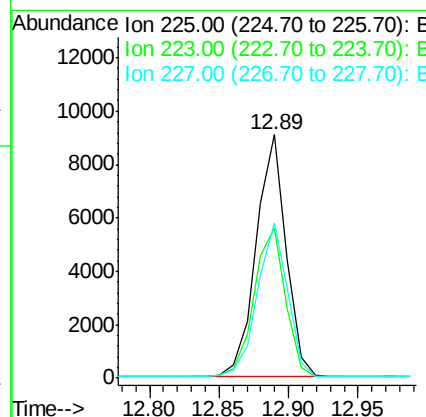
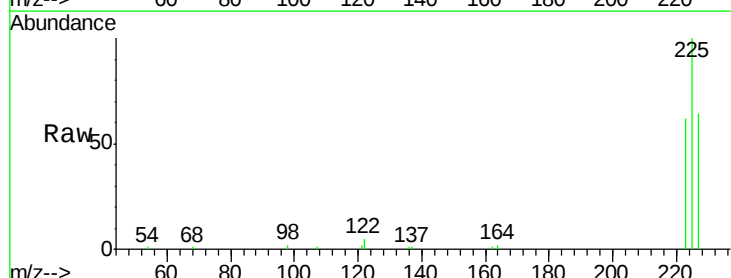
RT: 12.89 min Scan# 1602

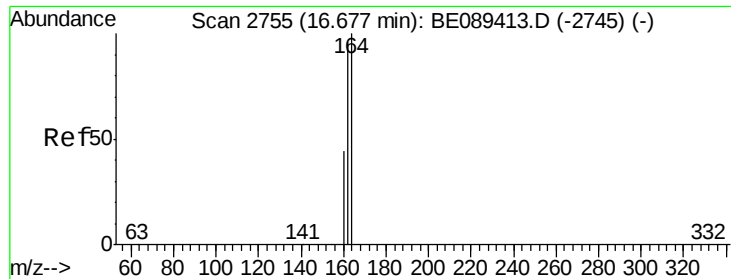
Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Tgt Ion:	225	Resp:	13613
Ion Ratio	Lower	Upper	
225	100		
223	64.1	50.4	75.6
227	64.1	50.2	75.2





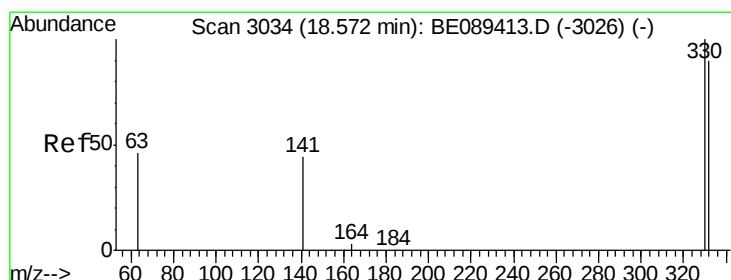
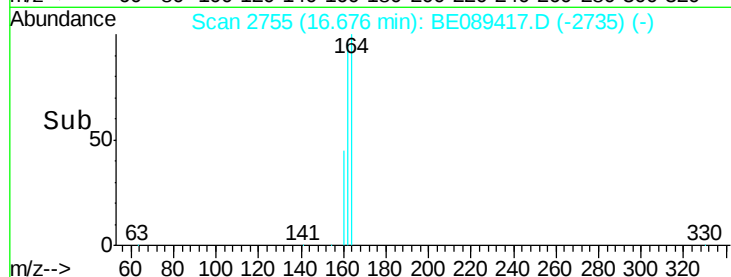
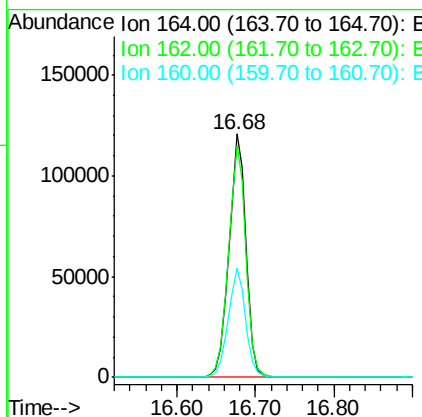
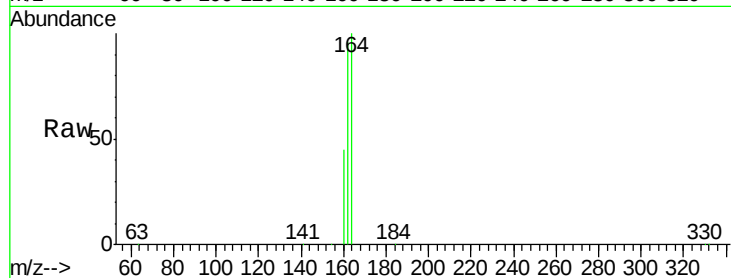
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 16.68 min Scan# 2755
Delta R.T. -0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Instrument :
BNA_E
ClientSampleId :
ICVBE012915

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	181160		
162	95.5	77.0	115.6	
160	44.7	35.0	52.4	

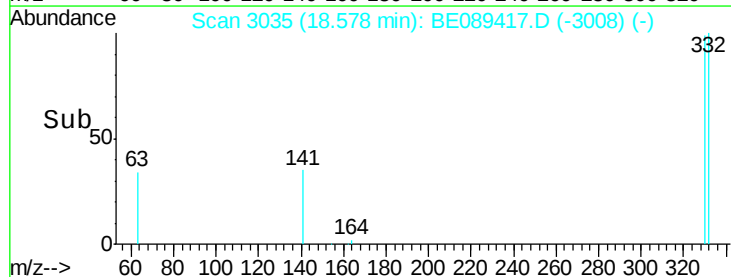
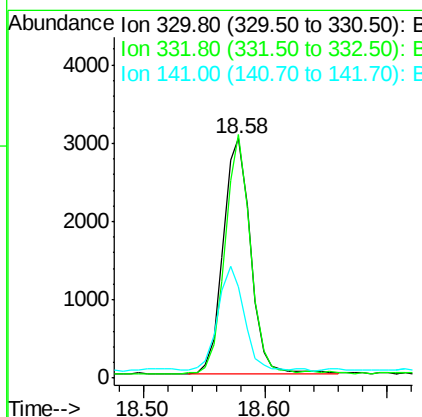
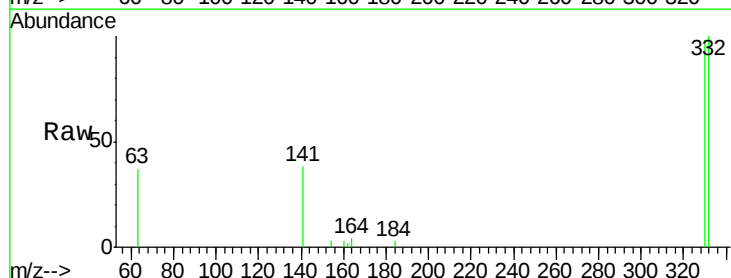
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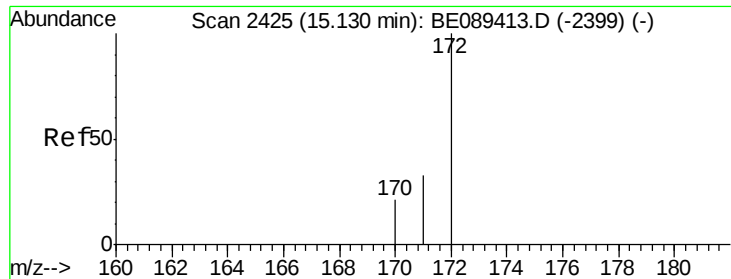
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#14
2,4,6-Tribromophenol
Concen: 0.94 ng
RT: 18.58 min Scan# 3035
Delta R.T. 0.01 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	4697		
332	94.0	76.0	114.0	
141	42.2	35.6	53.4	





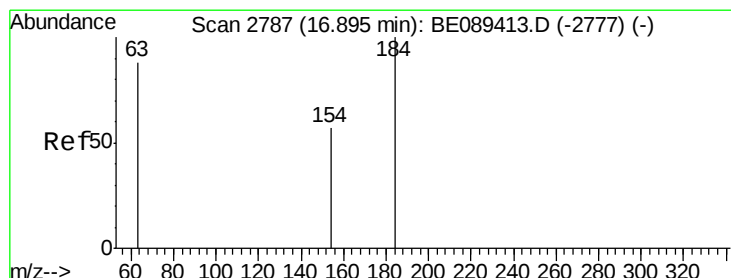
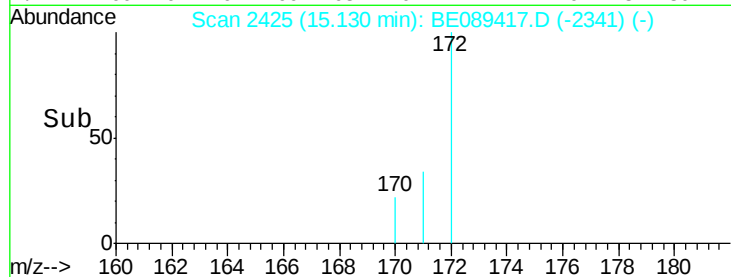
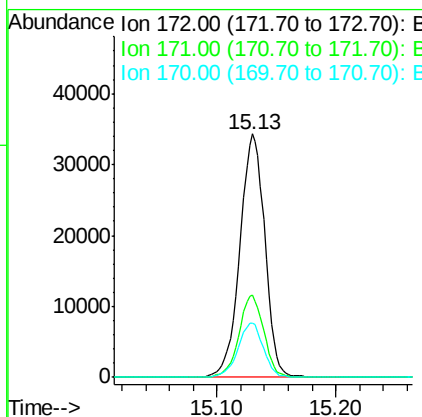
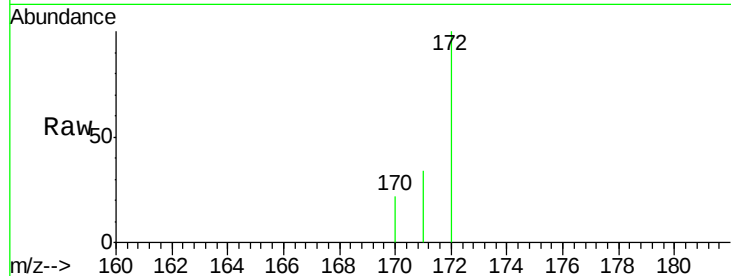
#15
2-Fluorobiphenyl
Concen: 0.98 ng
RT: 15.13 min Scan# 2425
Delta R.T. -0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Instrument :
BNA_E
ClientSampleId :
ICVBE012915

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	26.6	39.8
170	22.3	17.1	25.7

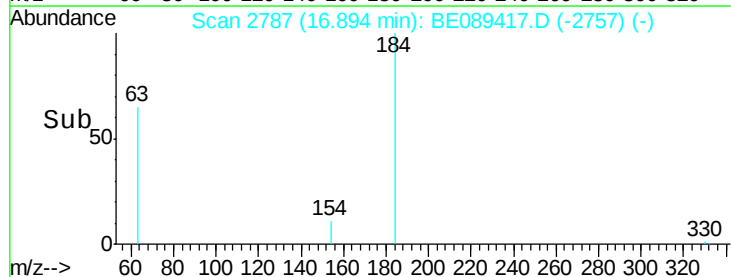
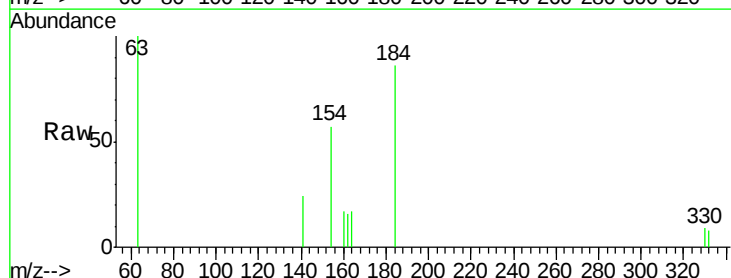
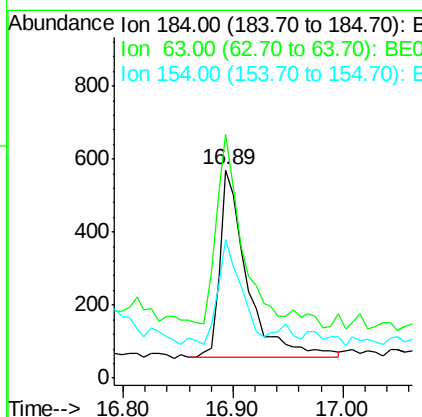
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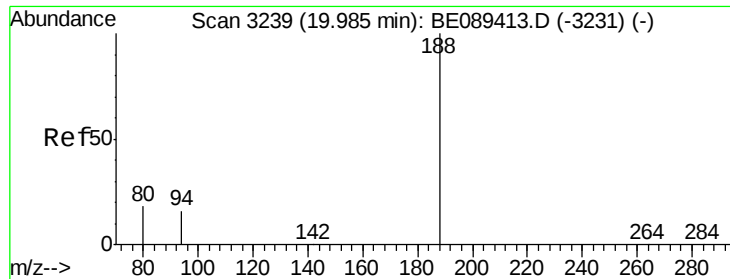
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#16
2,4-Dinitrophenol
Concen: 0.99 ng
RT: 16.89 min Scan# 2787
Delta R.T. -0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Tgt Ion	Ratio	Lower	Upper
184	100		
63	116.8	79.0	118.4
154	66.7	55.8	83.6





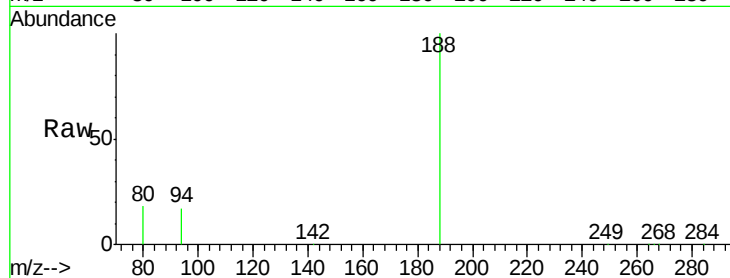
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.98 min Scan# 3239
Delta R.T. -0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Instrument :
BNA_E
ClientSampleId :
ICVBE012915

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	354641		
94	16.7	13.0	19.6	
80	18.3	14.2	21.4	

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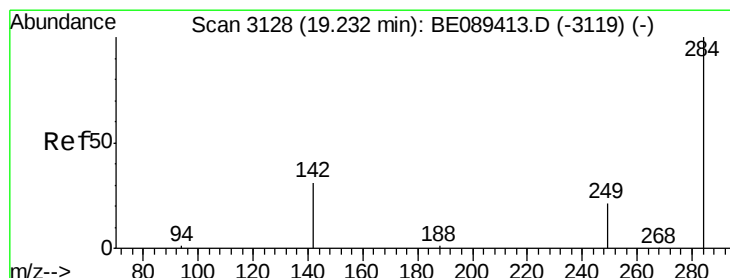
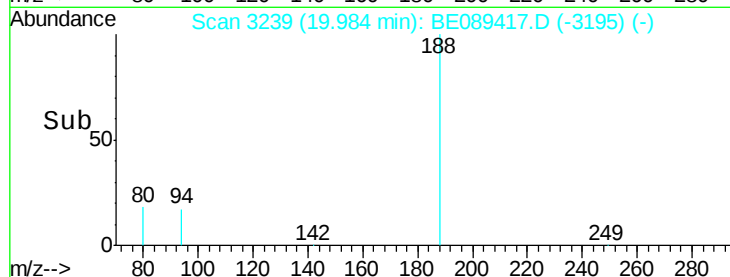
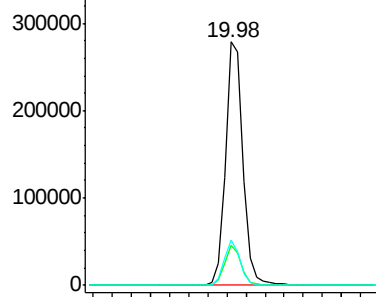
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Abundance Ion 188.00 (187.70 to 188.70): E

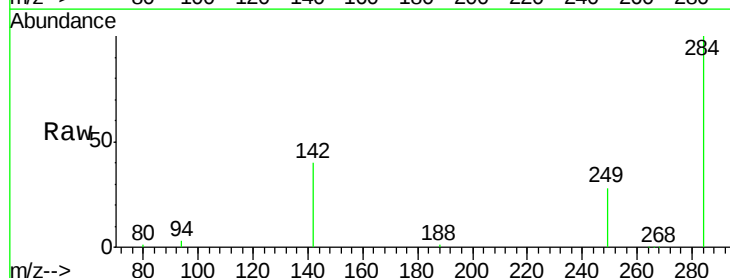
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#18
Hexachlorobenzene
Concen: 0.97 ng
RT: 19.23 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

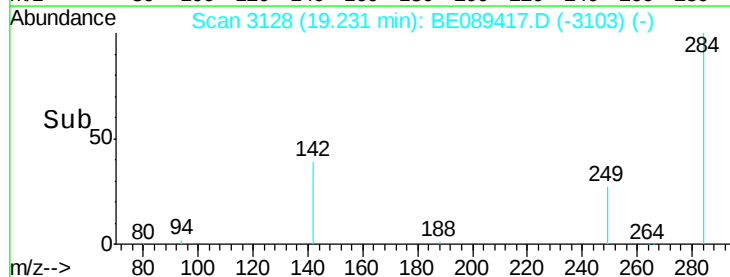
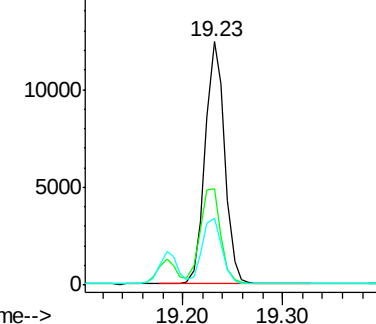
Tgt Ion	Ratio	Resp	Lower	Upper
284	100	16810		
142	39.8	28.3	42.5	
249	27.7	19.9	29.9	

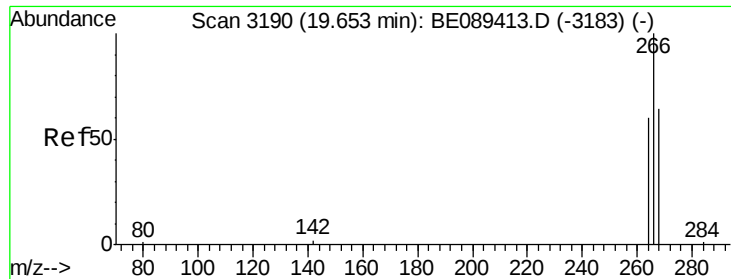


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





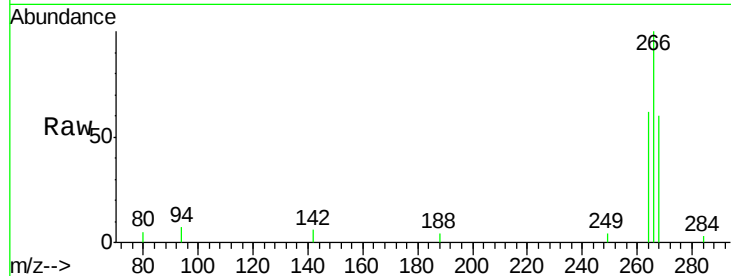
#19
 Pentachlorophenol
 Concen: 0.80 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. 0.00 min
 Lab File: BE089417.D
 Acq: 29 Jan 2015 17:06

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE012915

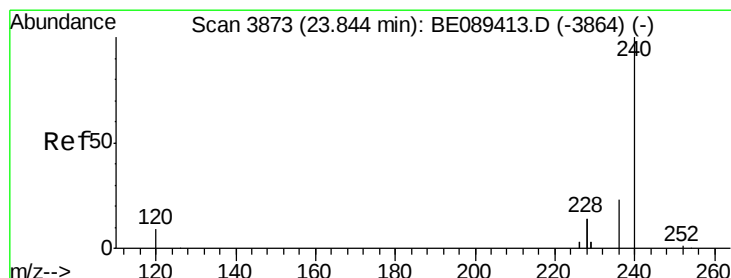
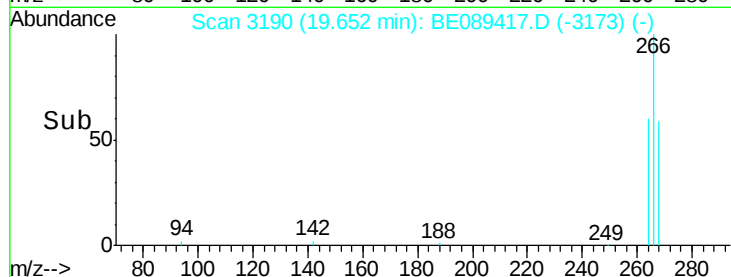
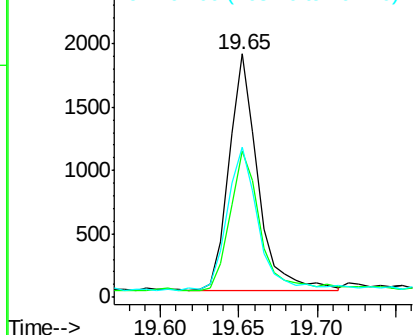
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	2368		
268	60.1	51.9	77.9	
264	61.5	48.5	72.7	

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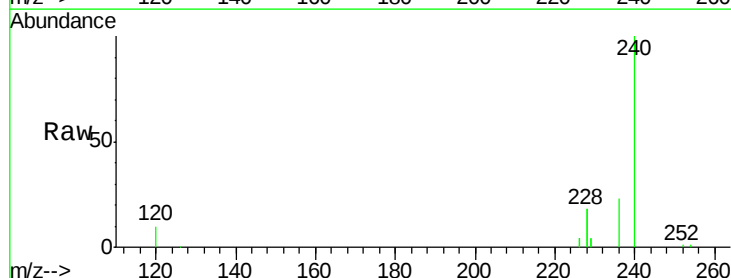


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

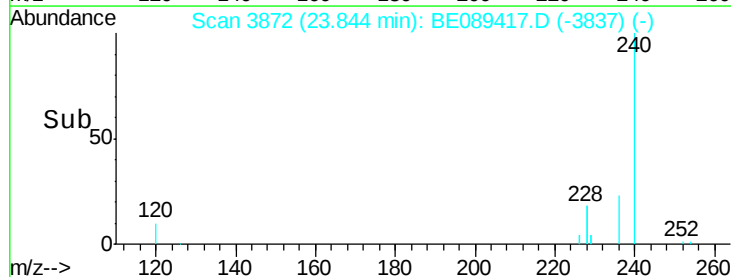
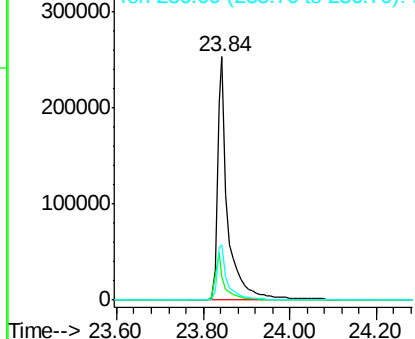


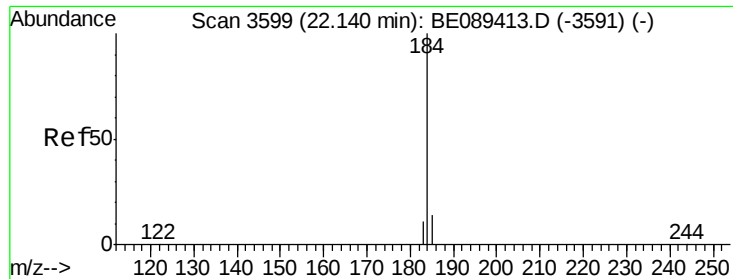
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3872
 Delta R.T. 0.00 min
 Lab File: BE089417.D
 Acq: 29 Jan 2015 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	437157		
120	9.8	6.9	10.3	
236	22.6	18.2	27.2	



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





#21

Benzidine

Concen: 0.75 ng

RT: 22.14 min Scan# 3598

Delta R.T. -0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

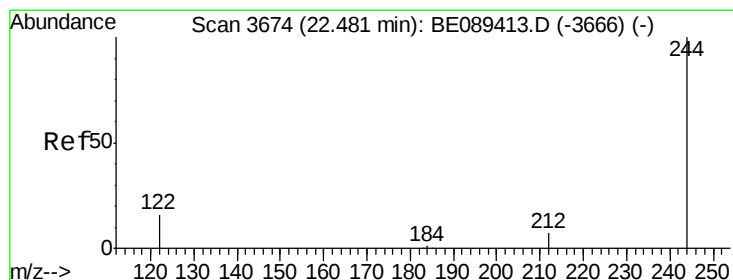
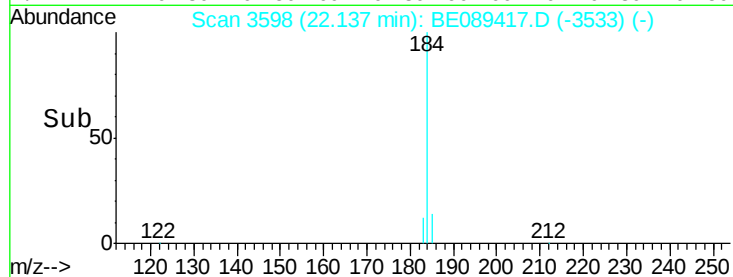
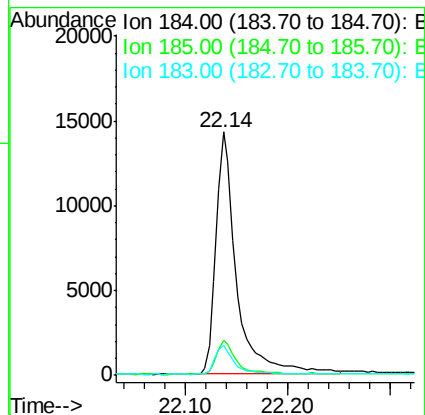
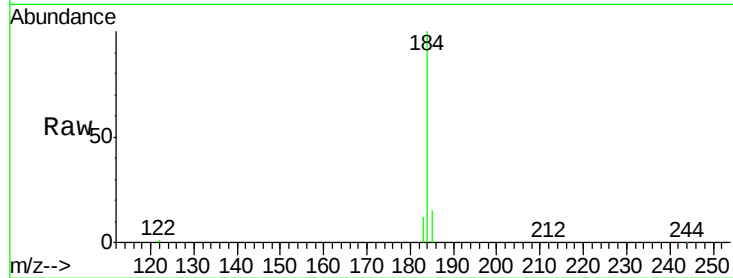
ClientSampleId :

ICVBE012915

Tgt Ion:	184	Resp:	20079
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.0	16.6
183	12.0	8.6	13.0

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#22

Terphenyl-d14

Concen: 1.00 ng

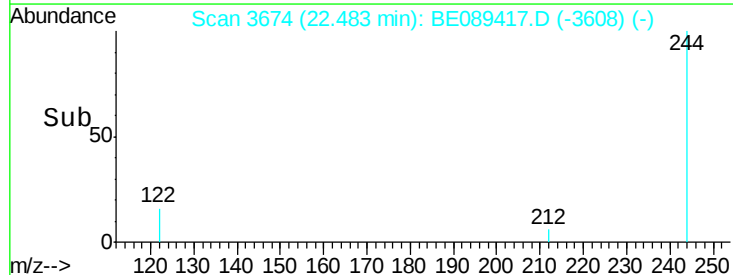
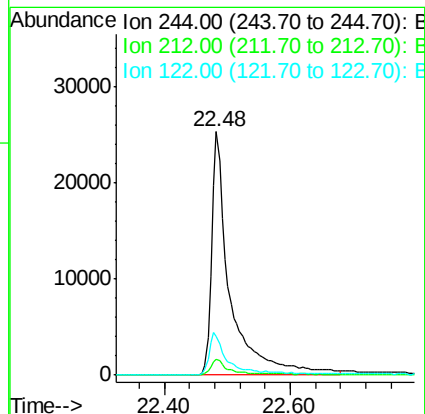
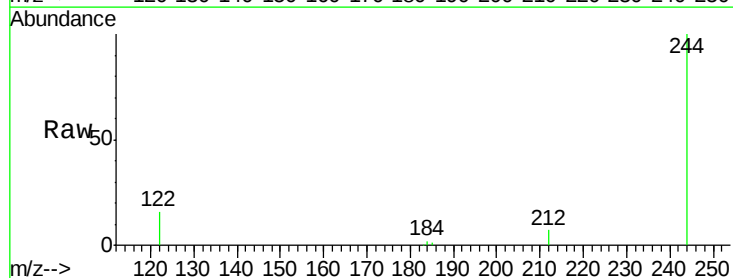
RT: 22.48 min Scan# 3674

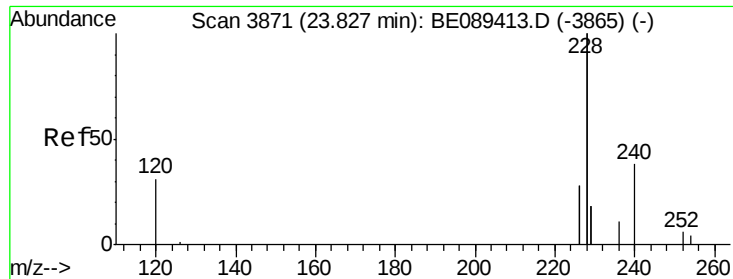
Delta R.T. 0.00 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Tgt Ion:	244	Resp:	50749
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	16.0	13.2	19.8





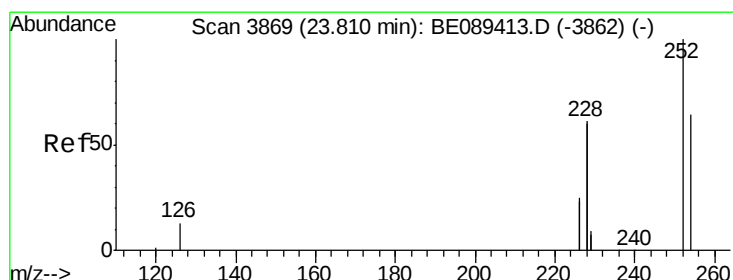
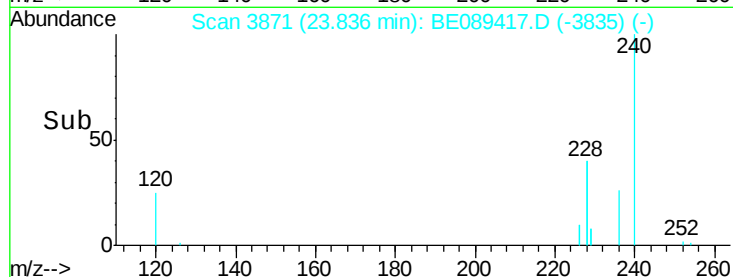
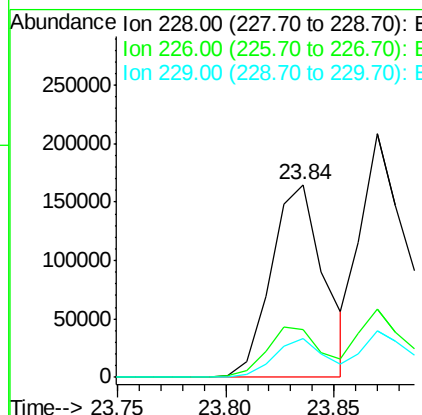
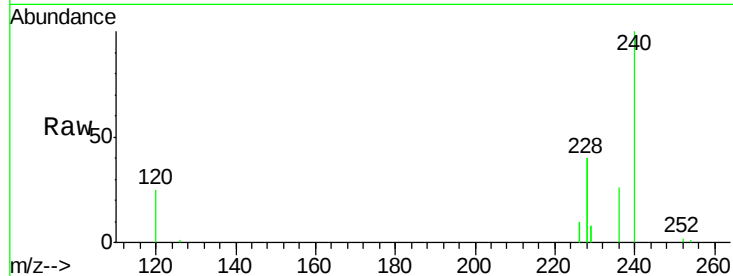
#23
Benzo(a)anthracene
Concen: 0.84 ng
RT: 23.84 min Scan# 3871
Delta R.T. 0.01 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Instrument :
BNA_E
ClientSampleId :
ICVBE012915

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.6	22.6	33.8
229	20.3	14.5	21.7

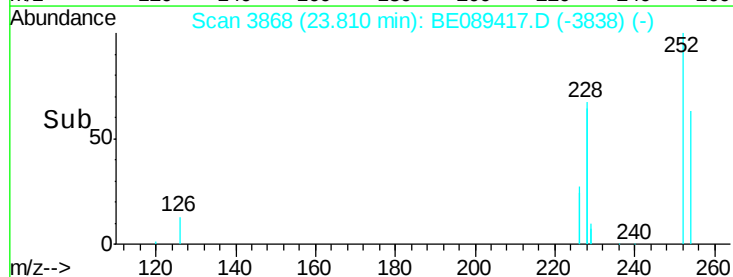
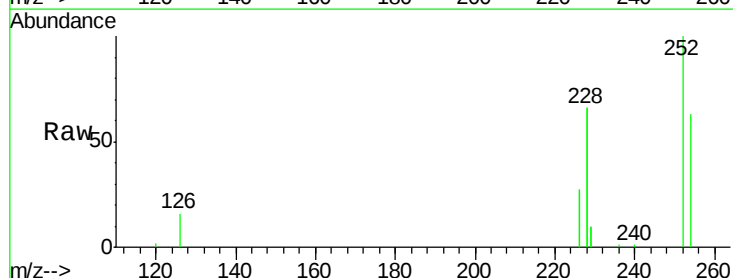
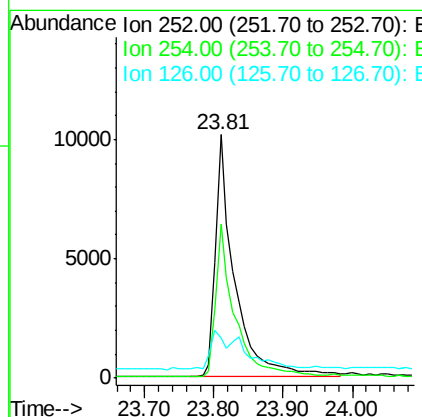
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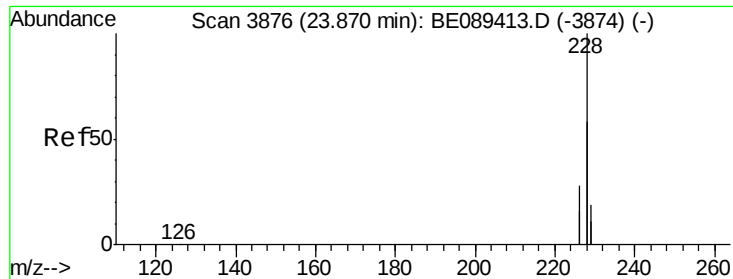
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#24
3,3'-Dichlorobenzidine
Concen: 0.79 ng
RT: 23.81 min Scan# 3868
Delta R.T. 0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.1	51.1	76.7
126	16.4	11.5	17.3





#25

Chrysene

Concen: 0.99 ng

RT: 23.87 min Scan# 3875

Delta R.T. 0.00 min

Lab File: BE089417.D

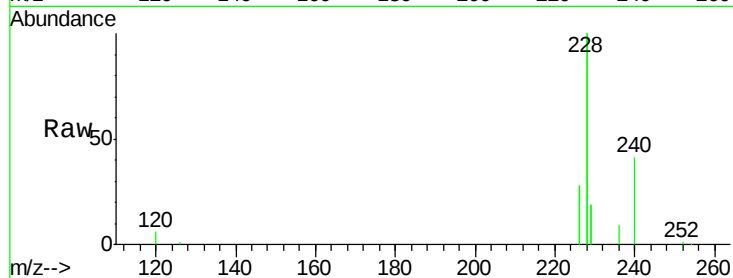
Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

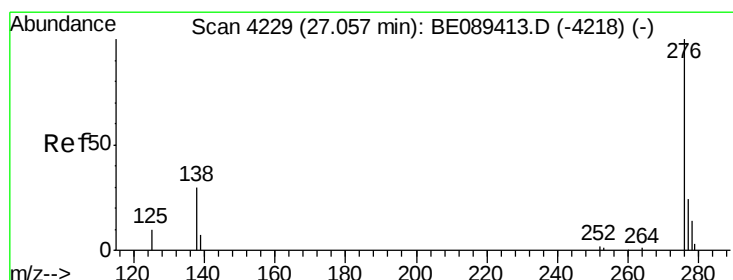
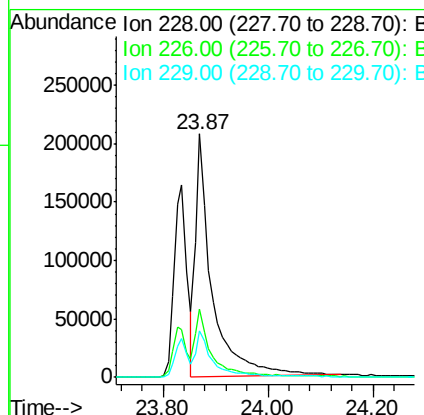
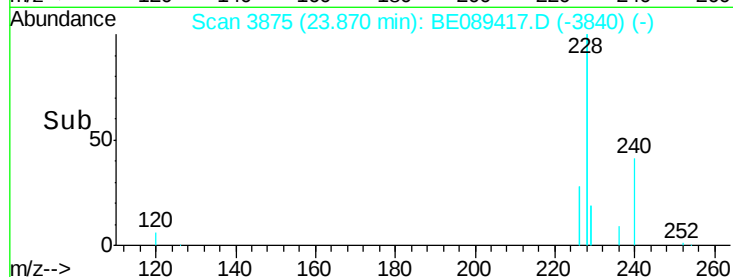
ICVBE012915



Tgt Ion:	228	Resp:	450972
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.6	33.8
229	19.1	15.5	23.3

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#26

Indeno(1,2,3-cd)pyrene

Concen: 0.70 ng

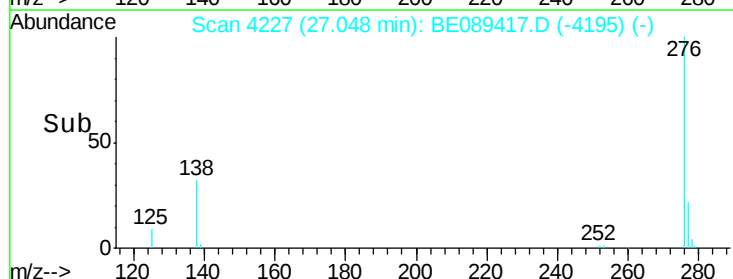
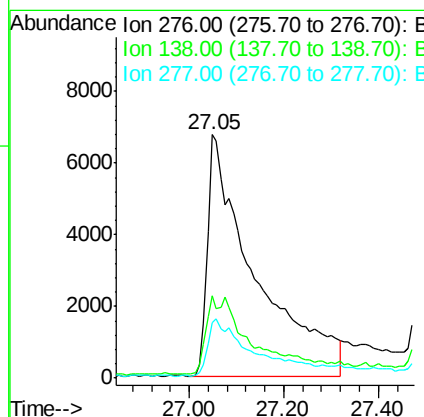
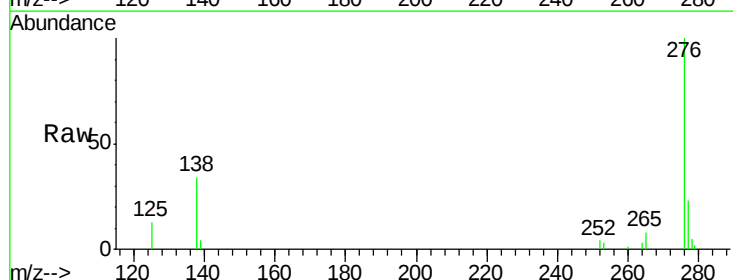
RT: 27.05 min Scan# 4227

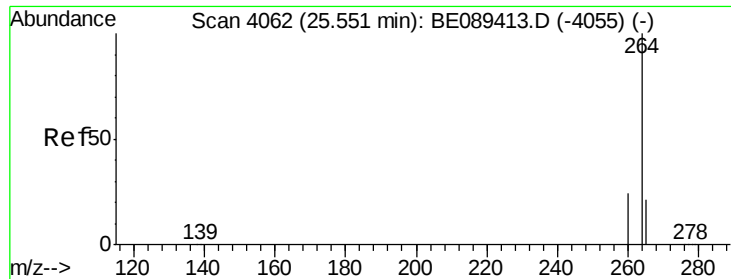
Delta R.T. -0.01 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Tgt Ion:	276	Resp:	47070
Ion Ratio	Lower	Upper	
276	100		
138	9.9	0.0	0.0#
277	22.6	0.0	0.0#





#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4061

Delta R.T. 0.00 min

Lab File: BE089417.D

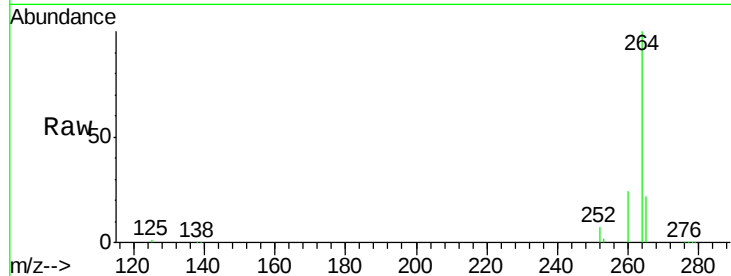
Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

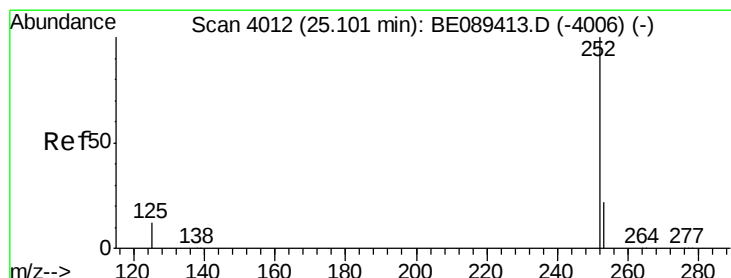
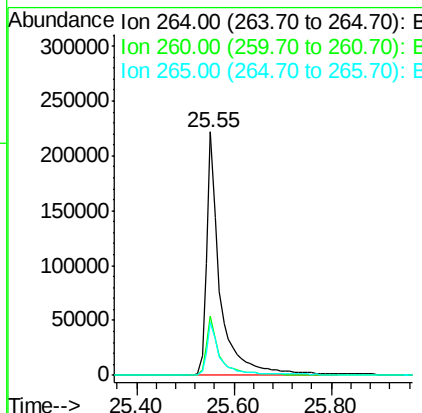
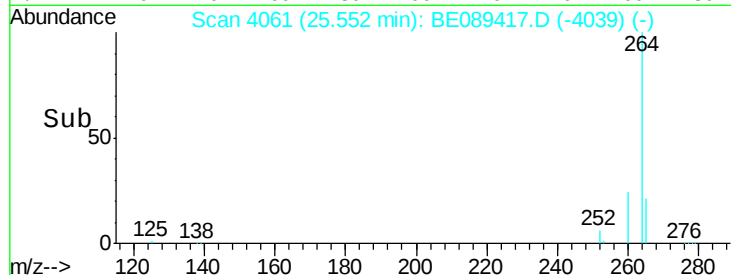
ICVBE012915



Tgt Ion:	264	Resp:	430606
Ion Ratio		Lower	Upper
264	100		
260	24.1	19.4	29.0
265	21.5	17.1	25.7

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#28

Benzo(b)fluoranthene

Concen: 0.76 ng m

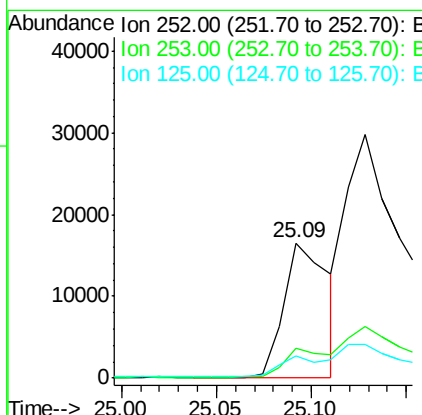
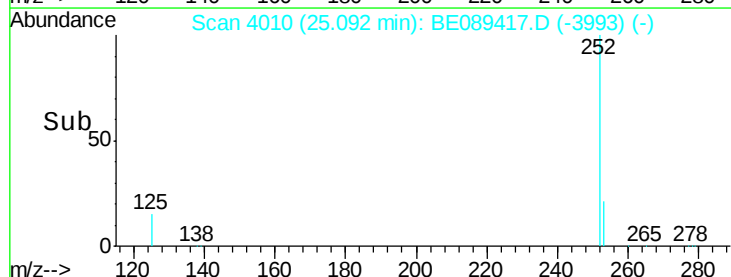
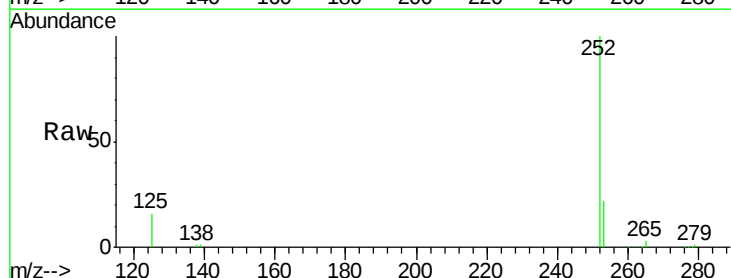
RT: 25.09 min Scan# 4010

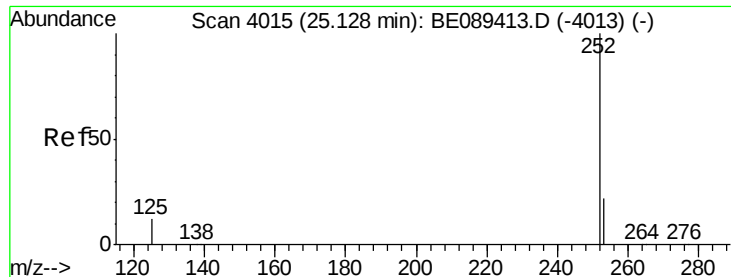
Delta R.T. -0.01 min

Lab File: BE089417.D

Acq: 29 Jan 2015 17:06

Tgt Ion:	252	Resp:	27342
Ion Ratio		Lower	Upper
252	100		
253	21.7	17.6	26.4
125	16.1	10.5	15.7#





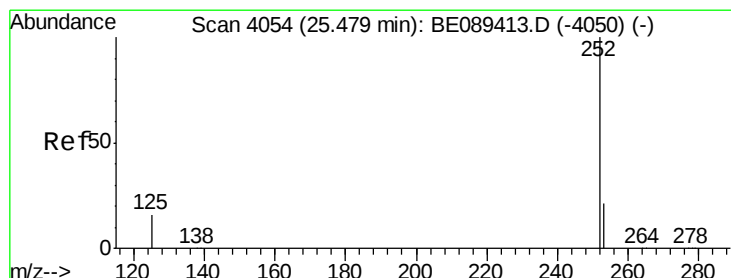
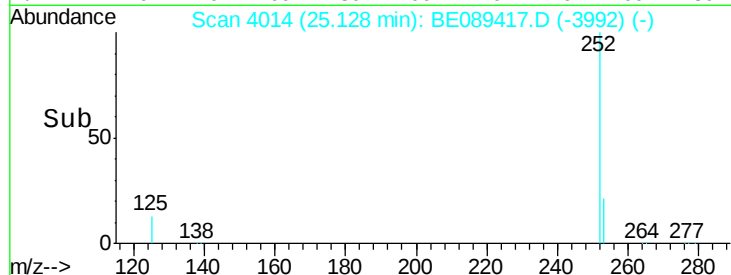
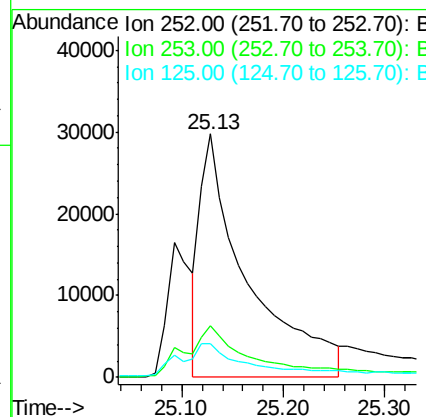
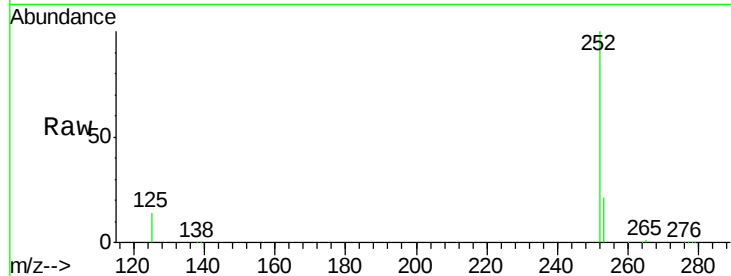
#29
Benzo(k)fluoranthene
Concen: 0.74 ng m
RT: 25.13 min Scan# 4014
Delta R.T. 0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Instrument :
BNA_E
ClientSampleId :
ICVBE012915

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	13.9	11.0	16.6

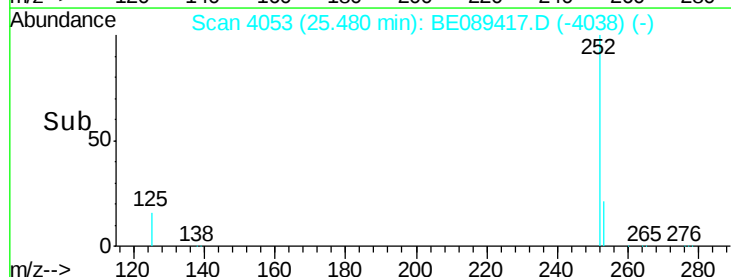
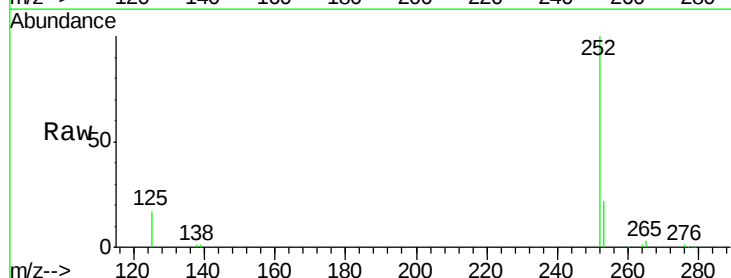
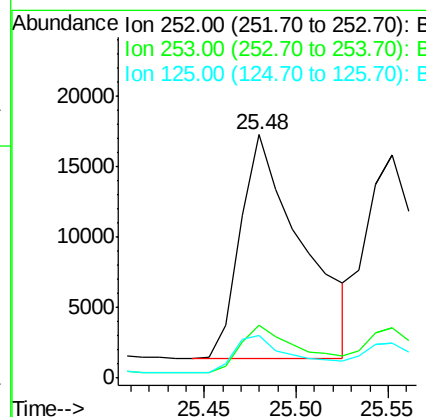
Manual Integrations
APPROVED

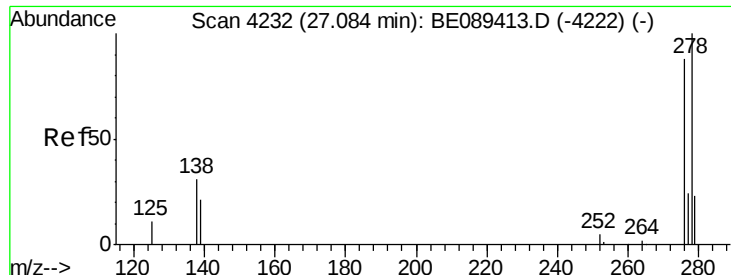
apatel
1/30/2015 5:55:42 PM



#30
Benzo(a)pyrene
Concen: 0.77 ng
RT: 25.48 min Scan# 4053
Delta R.T. 0.00 min
Lab File: BE089417.D
Acq: 29 Jan 2015 17:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	17.3	13.0	19.6





#31

Dibenzo(a,h)anthracene

Concen: 0.75 ng

RT: 27.08 min Scan# 4231

Delta R.T. 0.00 min

Lab File: BE089417.D

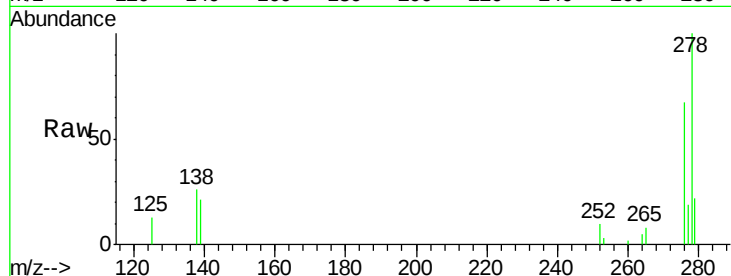
Acq: 29 Jan 2015 17:06

Instrument :

BNA_E

ClientSampleId :

ICVBE012915



Tgt Ion: 278 Resp: 33028

Ion Ratio Lower Upper

278 100

139 21.2 17.2 25.8

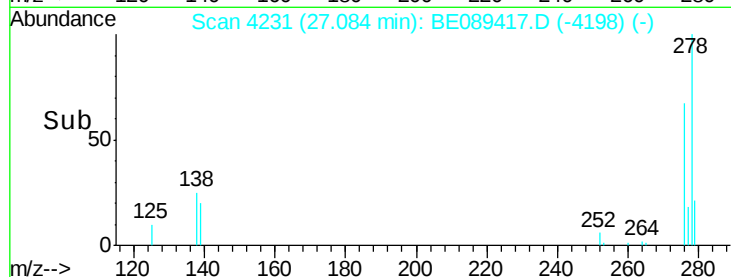
279 21.9 19.2 28.8

Manual Integrations

APPROVED

apatel

1/30/2015 5:55:42 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

