

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
 Data File : BE089966.D
 Acq On : 27 Jun 2015 8:45
 Operator : TP/IZ
 Sample : G2782-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0220006-150624

Manual Integrations
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Quant Time: Jun 29 01:17:22 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 25 16:51:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	27831	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	135585	5.00	ng	0.00
12) Acenaphthene-d10	14.24	164	82161	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	189539	5.00	ng	0.00
25) Chrysene-d12	21.13	240	203701	5.00	ng	0.00
32) Perylene-d12	23.47	264	184318	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	74863	14.90	ng	0.00
5) Phenol-d6	6.81	99	121136	15.73	ng	0.00
7) Nitrobenzene-d5	8.77	82	81989	8.12	ng	0.00
13) 2,4,6-Tribromophenol	15.74	330	21397	14.50	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	189628	7.92	ng	0.00
27) Terphenyl-d14	19.60	244	270201	7.68	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.44	128	764	0.03	ng	# 79
11) 2-Methylnaphthalene	12.05	142	625	0.03	ng	# 92
15) Acenaphthylene	13.95	152	5170	0.04	ng	99
16) Acenaphthene	14.30	154	812	0.04	ng	98
17) Fluorene	15.29	166	1197	0.04	ng	# 87
20) Hexachlorobenzene	16.30	284	1192	0.04	ng	# 87
21) Pentachlorophenol	16.63	266	1104	1.00	ng	# 90
22) Phenanthrene	17.01	178	3788m	0.08	ng	
23) Anthracene	17.12	178	1928	0.04	ng	99
24) Fluoranthene	19.02	202	6880	0.13	ng	99
26) Pyrene	19.38	202	6974	0.14	ng	# 96
28) Benzo(a)anthracene	21.12	228	5970	0.12	ng	97
29) Chrysene	21.17	228	6231	0.12	ng	96
30) Bis(2-ethylhexyl)phthalate	21.07	149	5694	1.37	ng	97
31) Indeno(1,2,3-cd)pyrene	25.88	276	3736	0.10	ng	# 100
33) Benzo(b)fluoranthene	22.76	252	6242	0.16	ng	# 90
34) Benzo(k)fluoranthene	22.80	252	3872	0.09	ng	# 75
35) Benzo(a)pyrene	23.36	252	4461	0.13	ng	# 90
36) Dibenzo(a,h)anthracene	25.90	278	1831	0.06	ng	# 71
37) Benzo(g,h,i)perylene	26.62	276	3592	0.10	ng	# 88

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

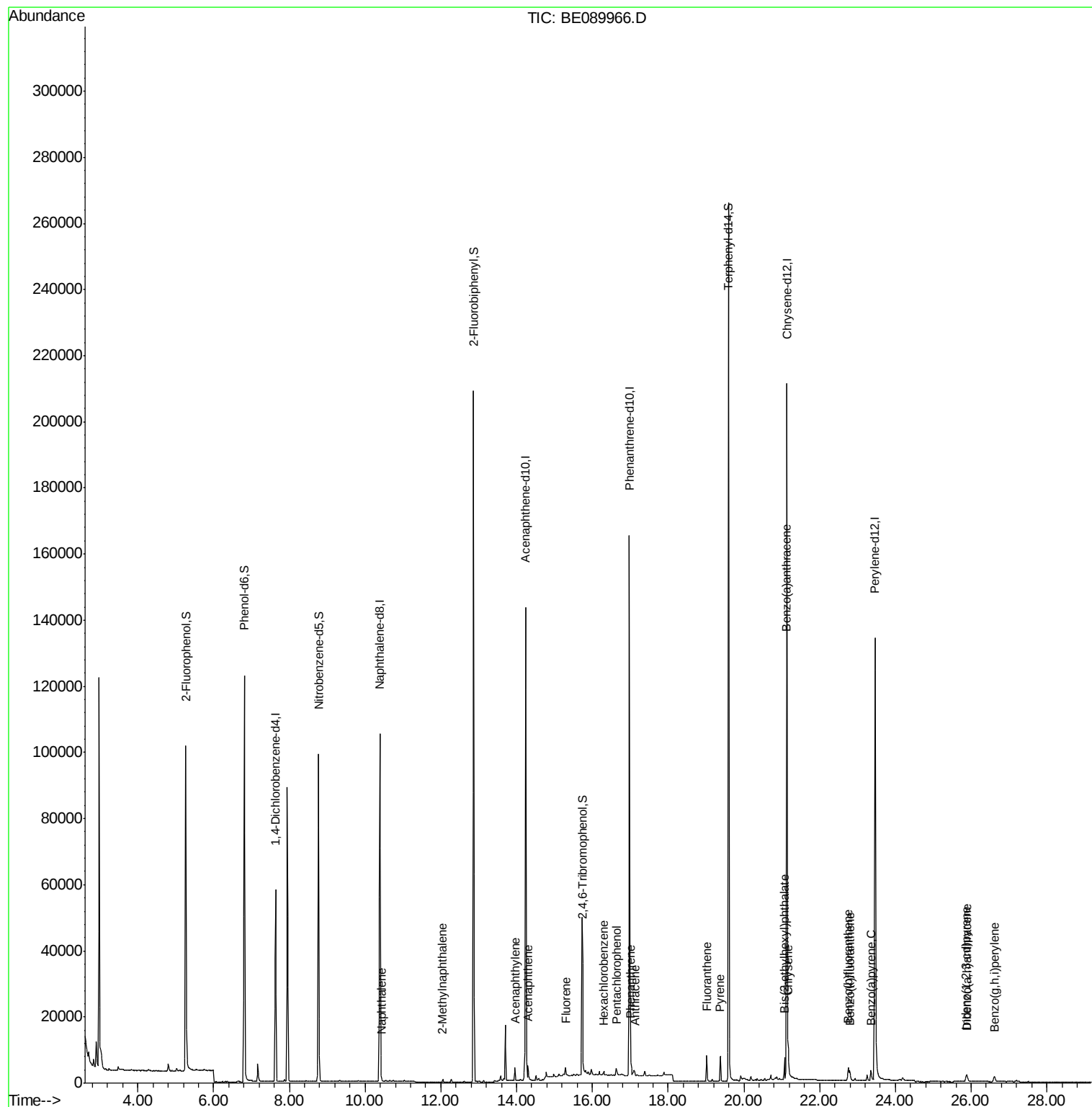
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062615\
Data File : BE089966.D
Acq On : 27 Jun 2015 8:45
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Misc :
ALS Vial : 22 Sample Multiplier: 1

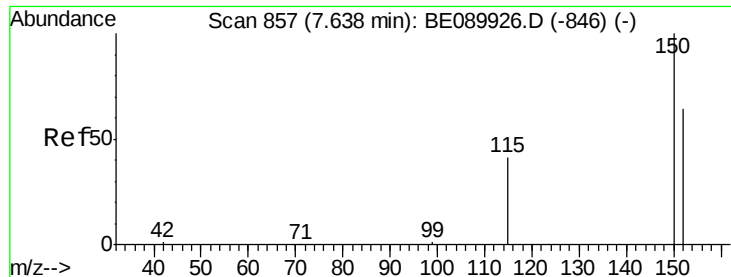
Instrument :
BNA_E
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X3SS0220006-150624

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Quant Time: Jun 29 01:17:22 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 25 16:51:27 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 856

Delta R.T. -0.00 min

Lab File: BE089966.D

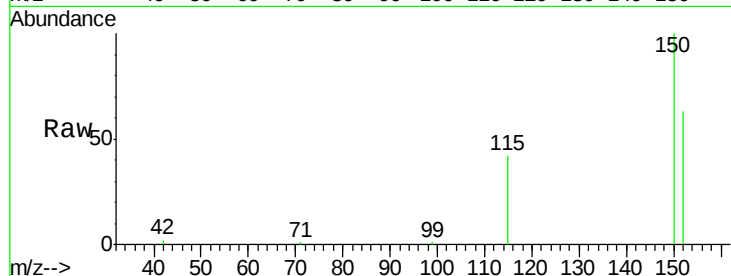
Acq: 27 Jun 2015 8:45

Instrument :

BNA_E

ClientSampleId :

X3SS0220006-150624



Tgt Ion:152 Resp: 27831

Ion Ratio Lower Upper

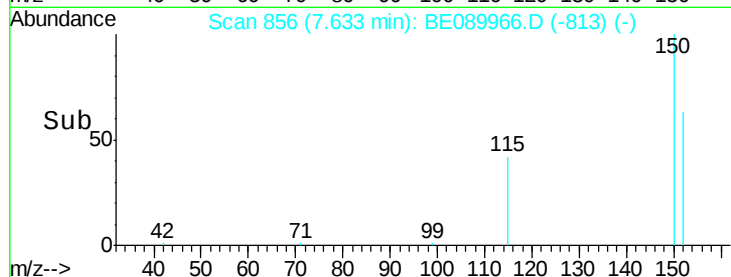
152 100

150 158.5 124.6 186.8

115 66.2 51.6 77.4

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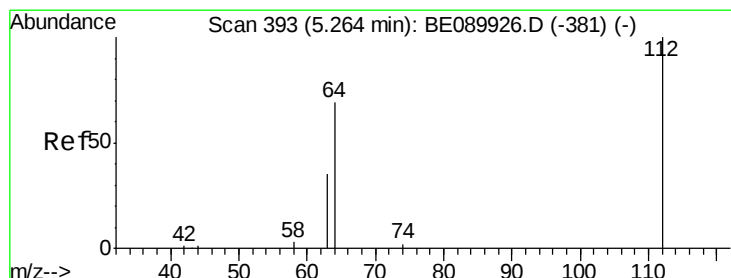
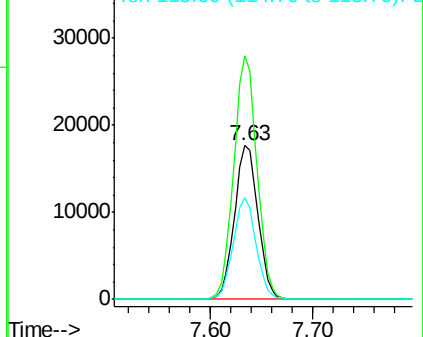
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 14.90 ng

RT: 5.26 min Scan# 393

Delta R.T. -0.00 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

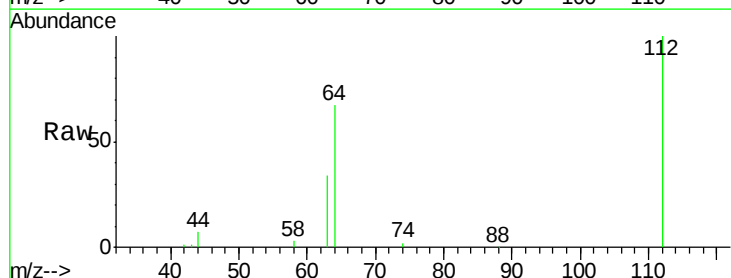
Tgt Ion:112 Resp: 74863

Ion Ratio Lower Upper

112 100

64 72.3 57.4 86.2

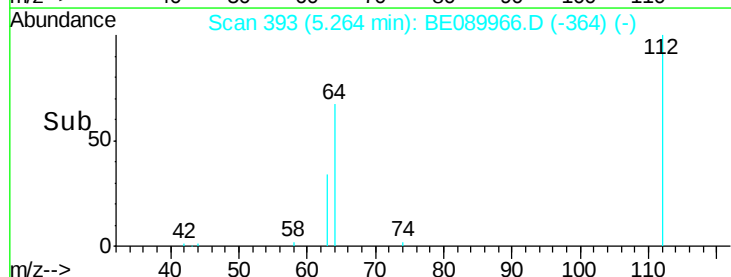
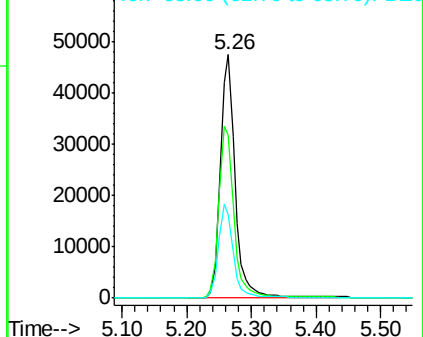
63 38.3 31.2 46.8

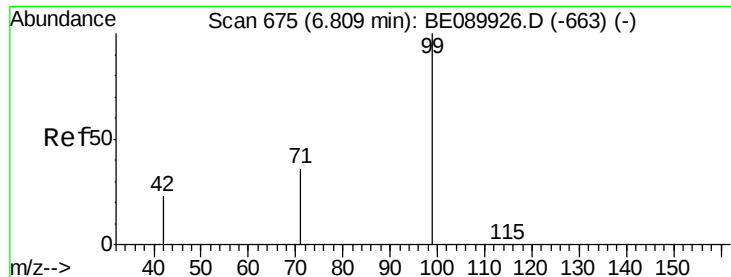


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 15.73 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Instrument :

BNA_E

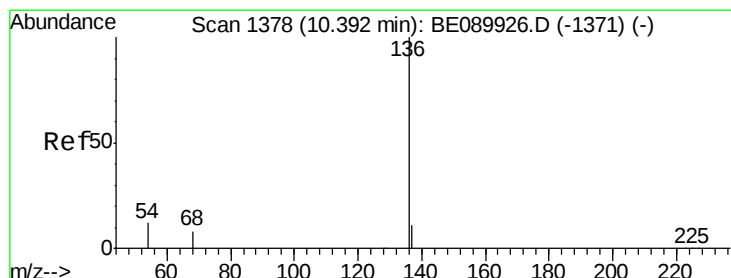
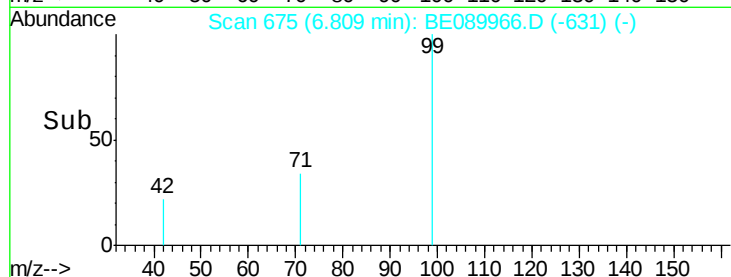
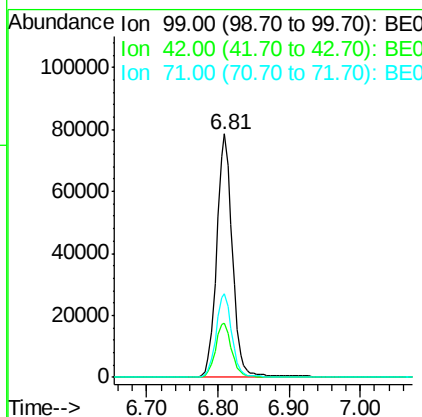
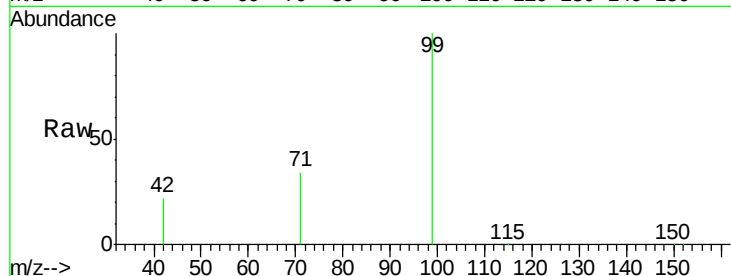
ClientSampleId :

X3SS0220006-150624

Tgt Ion:	99	Resp:	121136
Ion Ratio	Lower	Upper	
99	100		
42	22.6	19.5	29.3
71	34.8	27.8	41.6

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#6

Naphthalene-d8

Concen: 5.00 ng

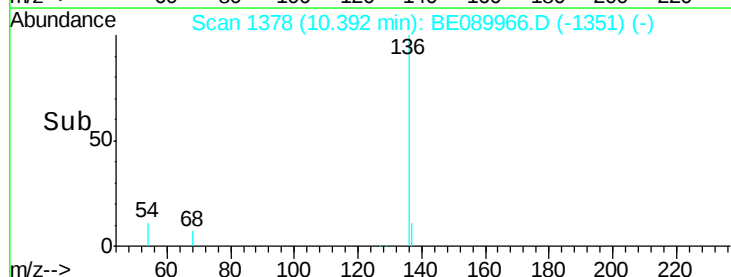
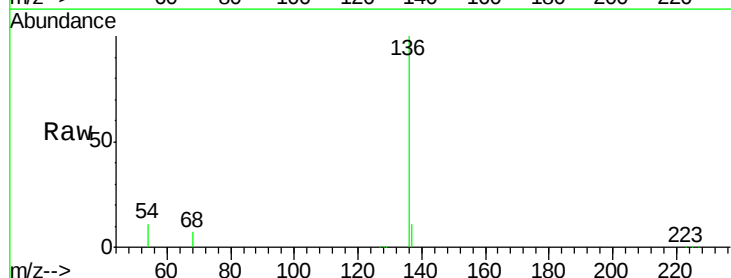
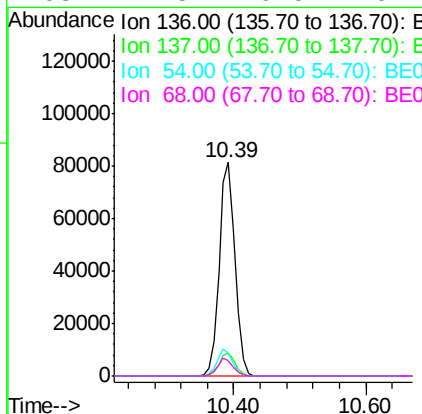
RT: 10.39 min Scan# 1378

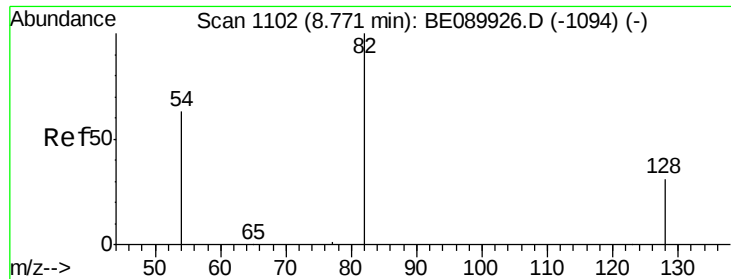
Delta R.T. -0.00 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Tgt Ion:	136	Resp:	135585
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	10.7	9.7	14.5
68	7.5	6.5	9.7





#7

Nitrobenzene-d5

Concen: 8.12 ng

RT: 8.77 min Scan# 1102

Delta R.T. 0.00 min

Lab File: BE089966.D

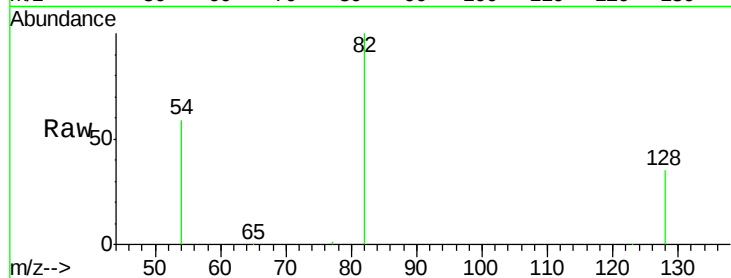
Acq: 27 Jun 2015 8:45

Instrument :

BNA_E

ClientSampleId :

X3SS0220006-150624



Tgt Ion: 82 Resp: 81989

Ion Ratio Lower Upper

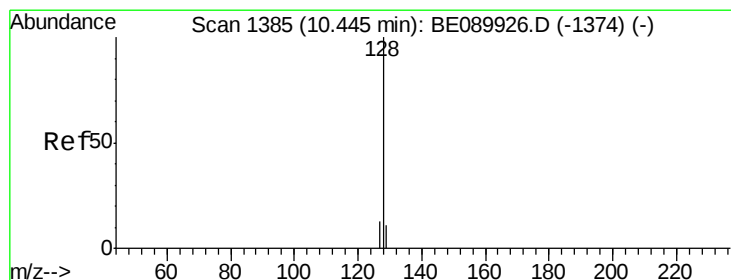
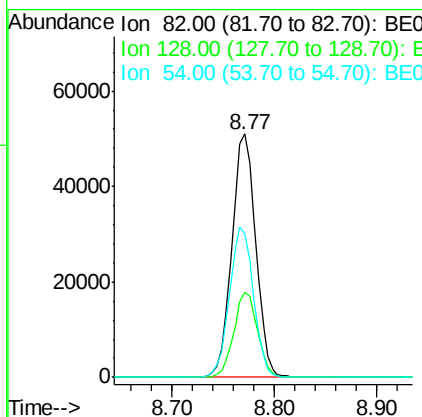
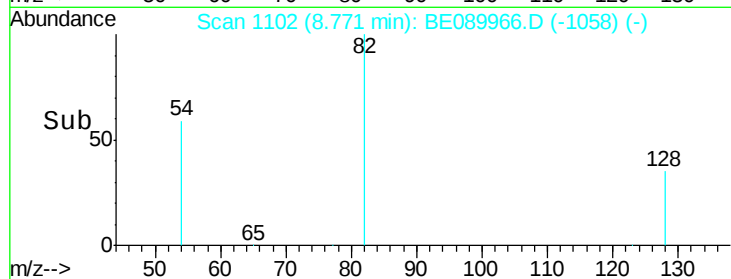
82 100

128 35.1 25.6 38.4

54 59.1 51.2 76.8

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#9

Naphthalene

Concen: 0.03 ng

RT: 10.44 min Scan# 1384

Delta R.T. -0.01 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

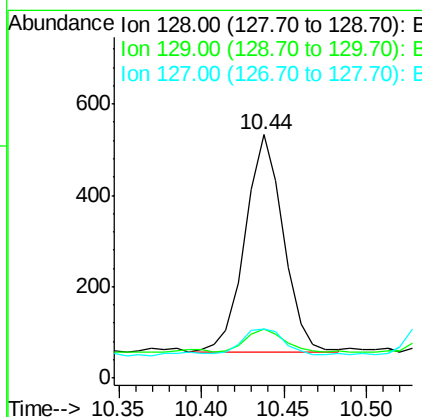
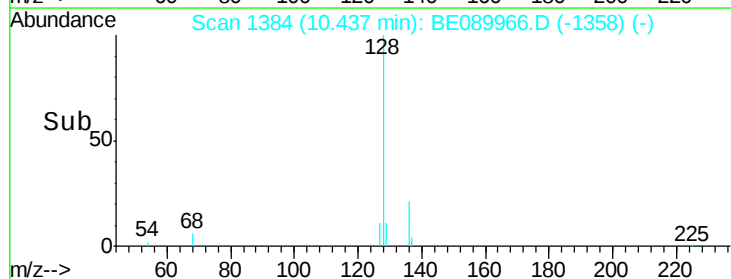
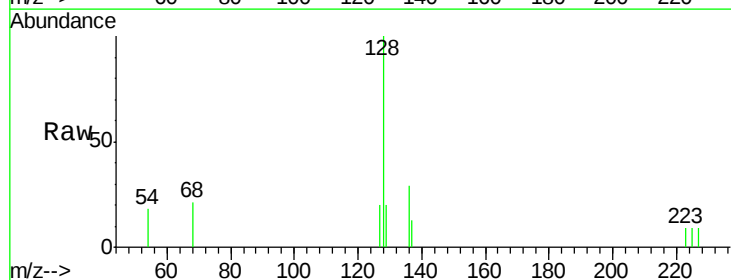
Tgt Ion: 128 Resp: 764

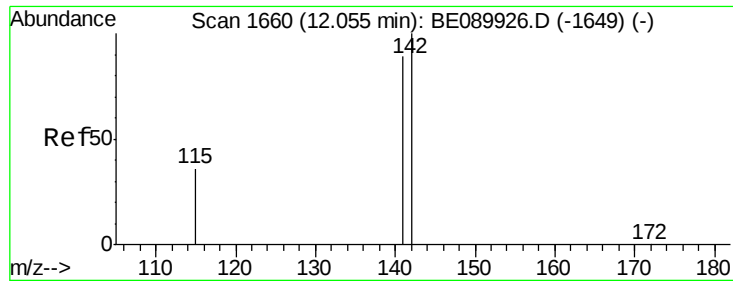
Ion Ratio Lower Upper

128 100

129 20.3 8.9 13.3#

127 20.1 10.2 15.4#





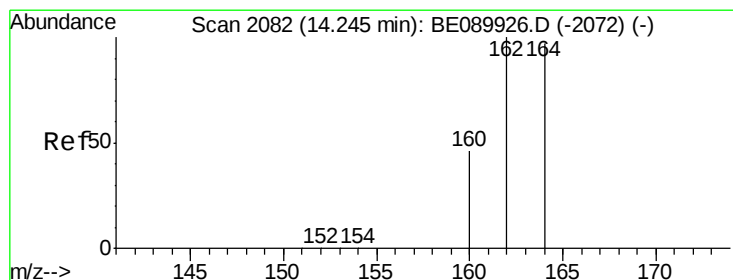
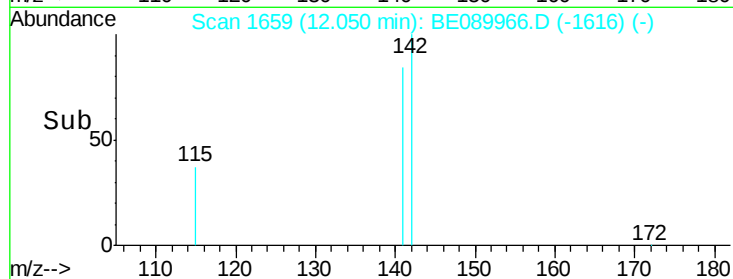
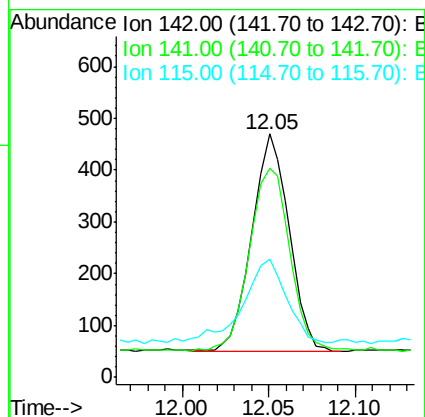
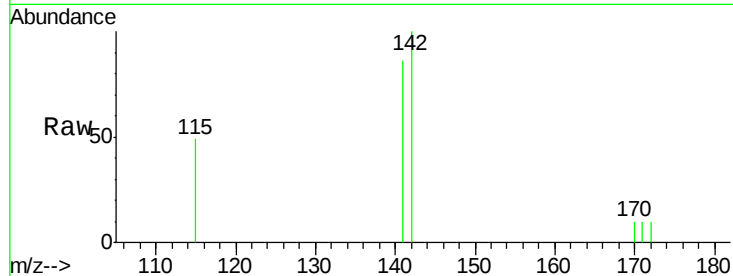
#11
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.05 min Scan# 1659
Delta R.T. -0.00 min
Lab File: BE089966.D
Acq: 27 Jun 2015 8:45

Instrument :
BNA_E
ClientSampleId :
X3SS0220006-150624

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.0	71.1	106.7
115	48.5	29.1	43.7

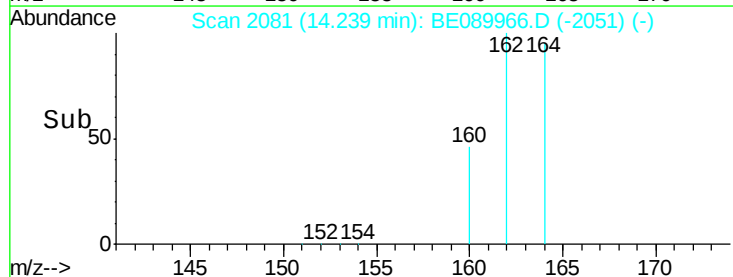
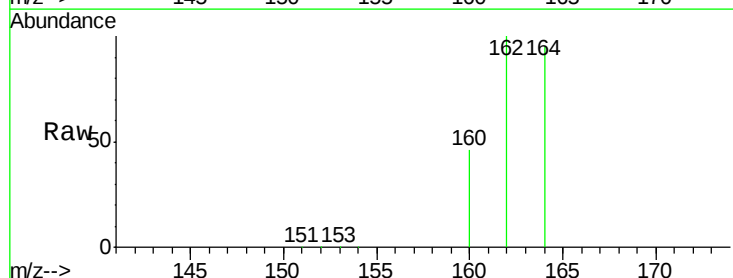
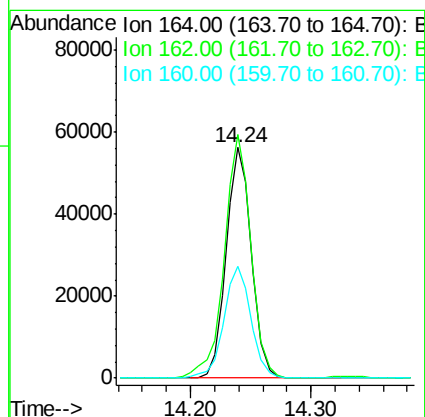
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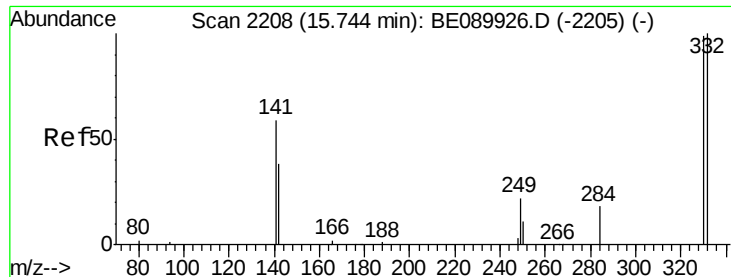
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.24 min Scan# 2081
Delta R.T. -0.01 min
Lab File: BE089966.D
Acq: 27 Jun 2015 8:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	82.7	124.1
160	48.8	38.3	57.5





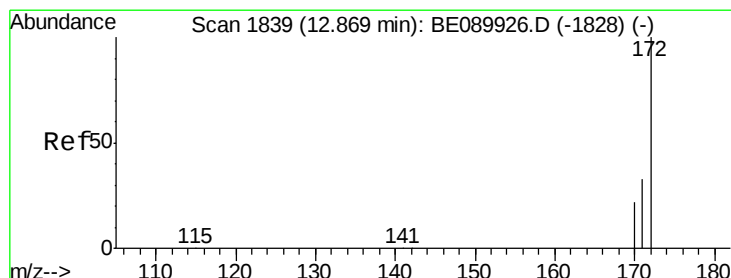
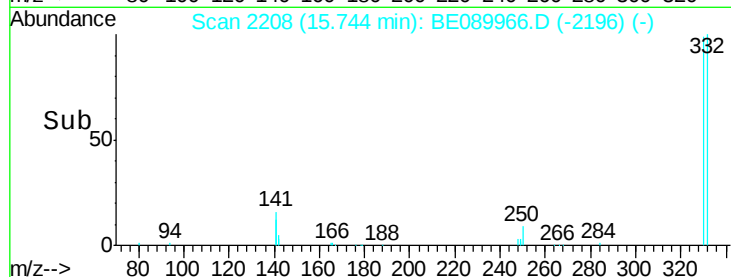
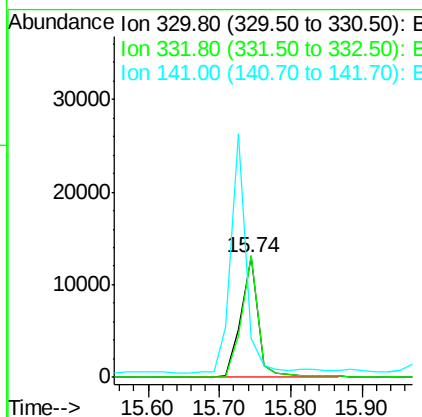
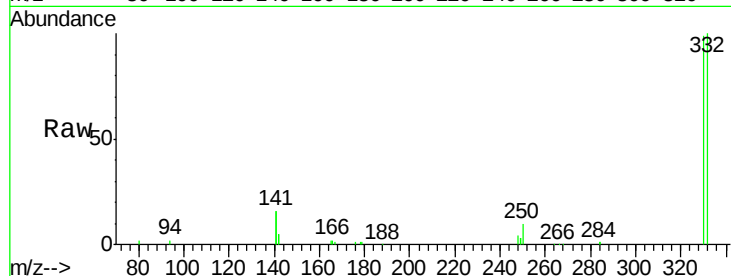
#13
 2,4,6-Tribromophenol
 Concen: 14.50 ng
 RT: 15.74 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: BE089966.D
 Acq: 27 Jun 2015 8:45

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 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.9	116.9
141	185.6	142.8	214.2

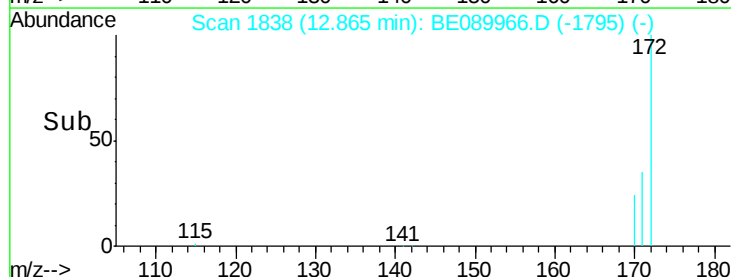
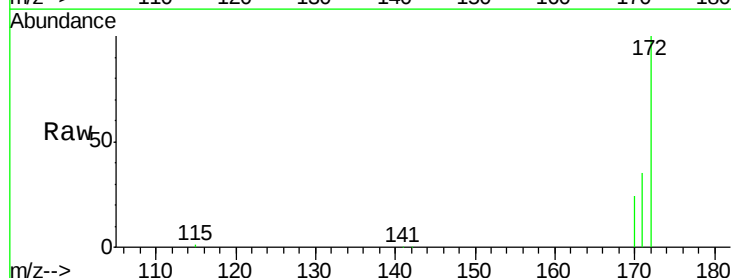
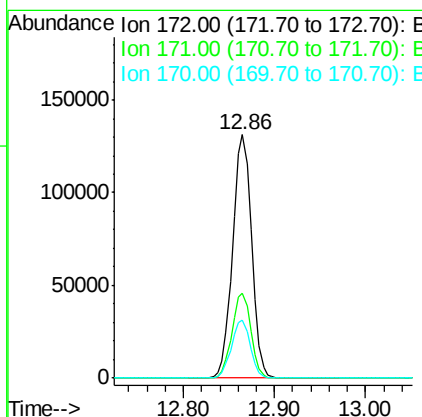
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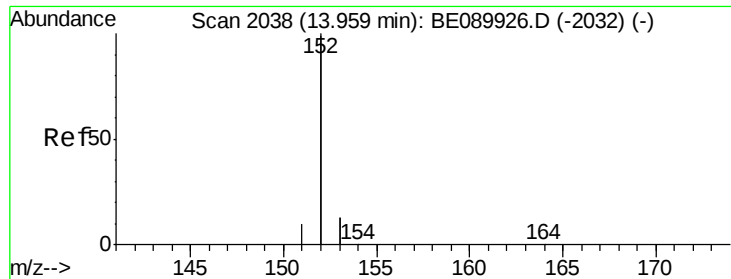
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#14
 2-Fluorobiphenyl
 Concen: 7.92 ng
 RT: 12.86 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: BE089966.D
 Acq: 27 Jun 2015 8:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	26.7	40.1
170	23.8	17.5	26.3





#15

Acenaphthylene

Concen: 0.04 ng

RT: 13.95 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Instrument :

BNA_E

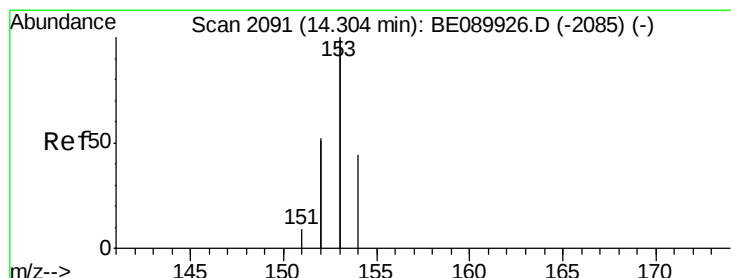
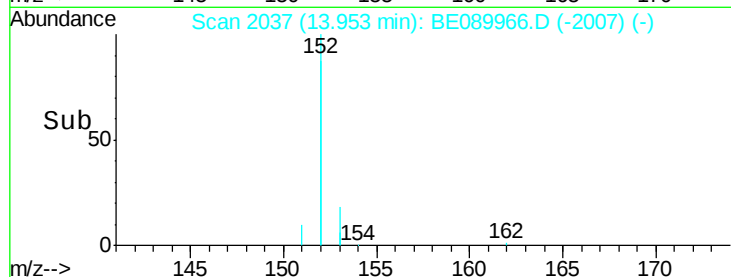
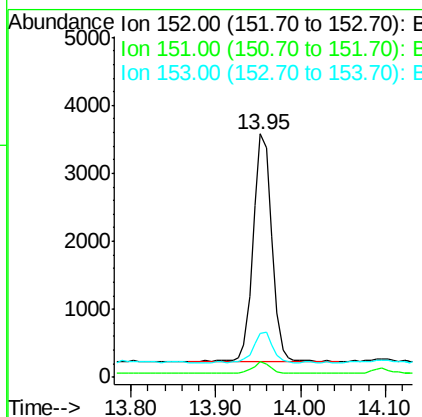
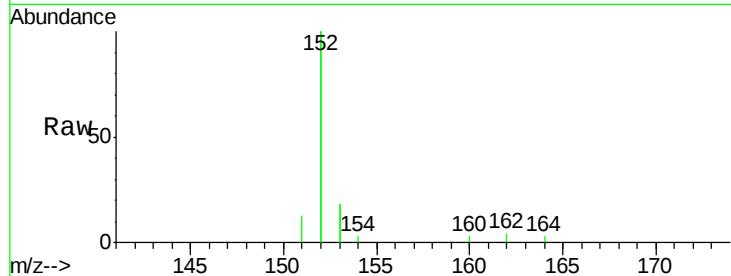
ClientSampleId :

X3SS0220006-150624

Tgt Ion:	152	Resp:	5170
Ion Ratio	Lower	Upper	
152	100		
151	4.7	3.9	5.9
153	13.4	10.4	15.6

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#16

Acenaphthene

Concen: 0.04 ng

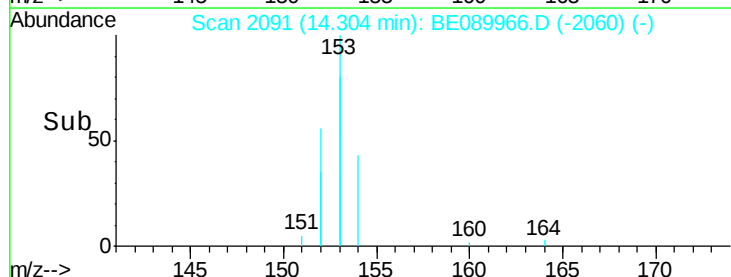
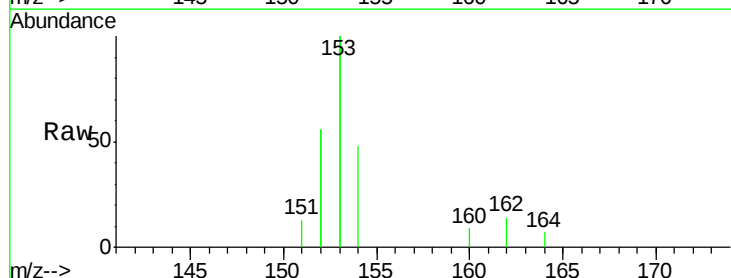
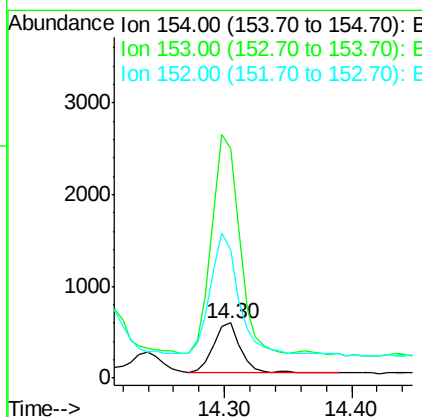
RT: 14.30 min Scan# 2091

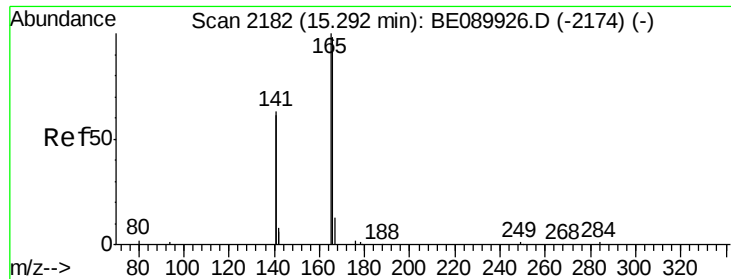
Delta R.T. 0.00 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Tgt Ion:	154	Resp:	812
Ion Ratio	Lower	Upper	
154	100		
153	448.6	362.8	544.2
152	245.8	194.6	291.8





#17

Fluorene

Concen: 0.04 ng

RT: 15.29 min Scan# 2182

Delta R.T. 0.00 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Instrument :

BNA_E

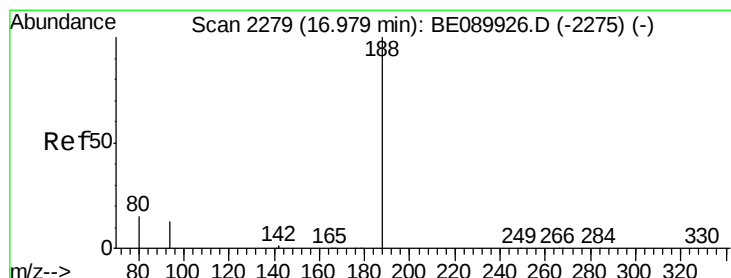
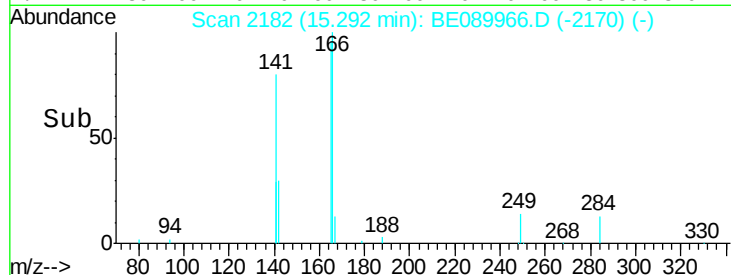
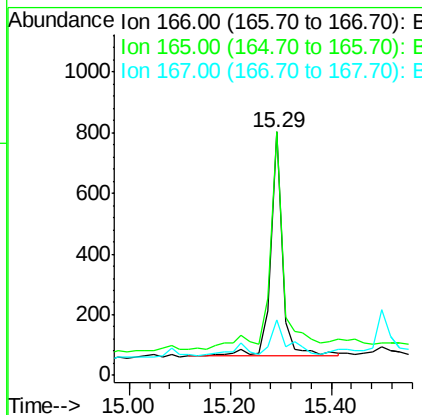
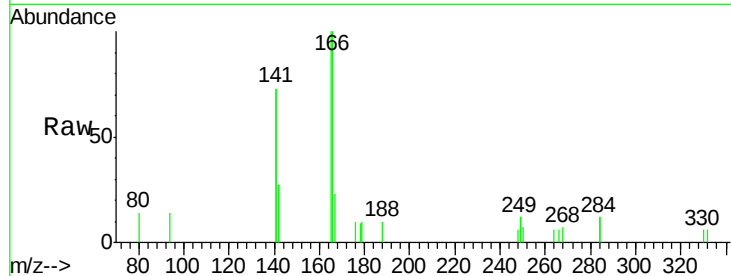
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1197		
165	113.9	81.1	121.7	
167	21.9	11.8	17.8#	

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#18

Phenanthrene-d10

Concen: 5.00 ng

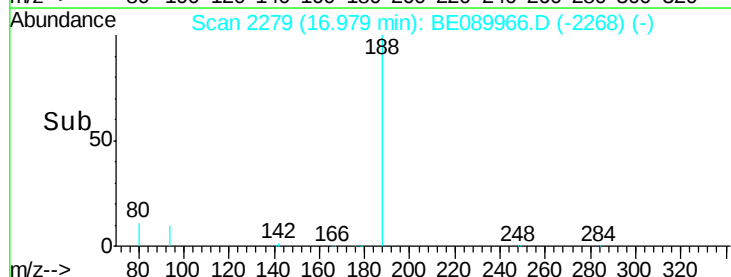
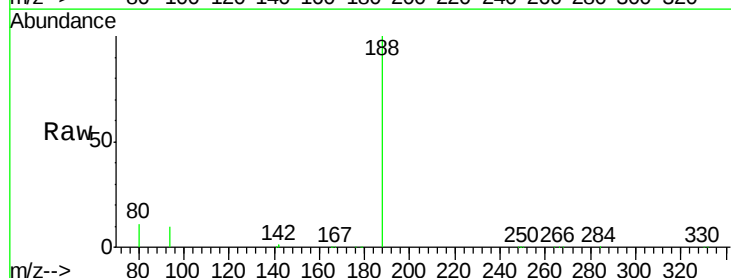
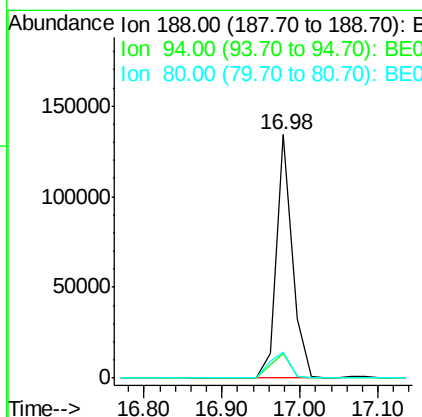
RT: 16.98 min Scan# 2279

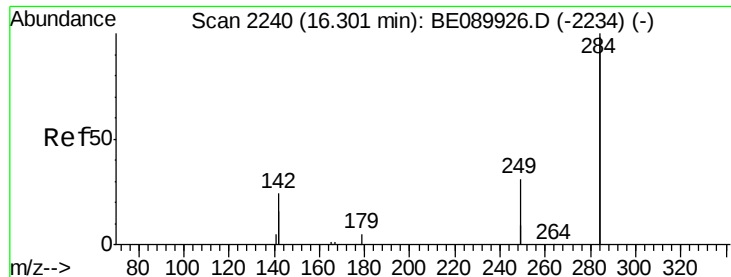
Delta R.T. 0.00 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	189539		
94	9.9	10.6	16.0#	
80	10.9	11.8	17.6#	





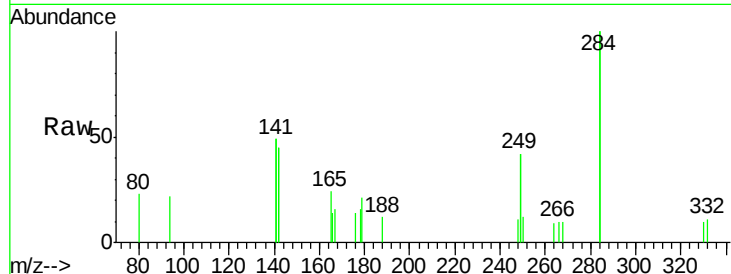
#20
Hexachlorobenzene
Concen: 0.04 ng
RT: 16.30 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BE089966.D
Acq: 27 Jun 2015 8:45

Instrument :
BNA_E
ClientSampleId :
X3SS0220006-150624

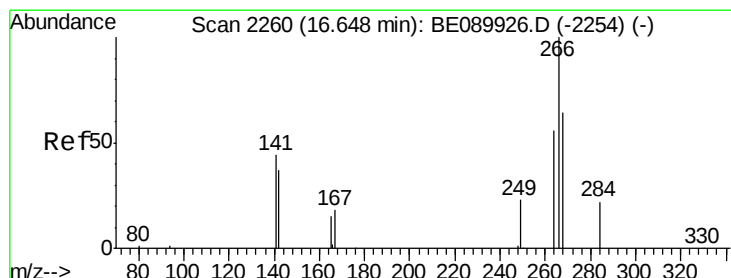
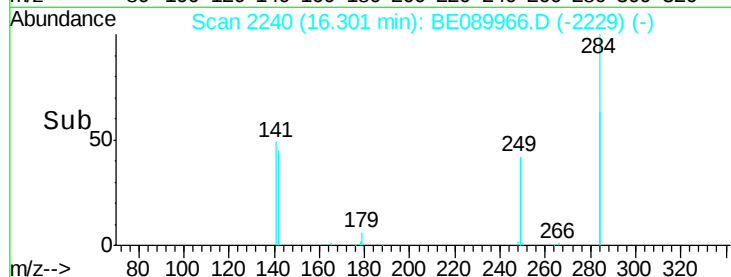
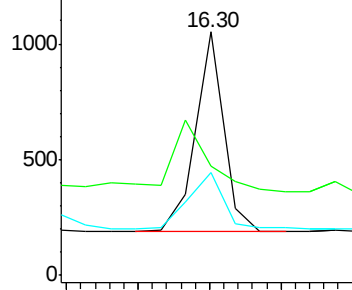
Tgt Ion	Ratio	Lower	Upper
284	100		
142	51.5	32.0	48.0#
249	34.8	25.0	37.6

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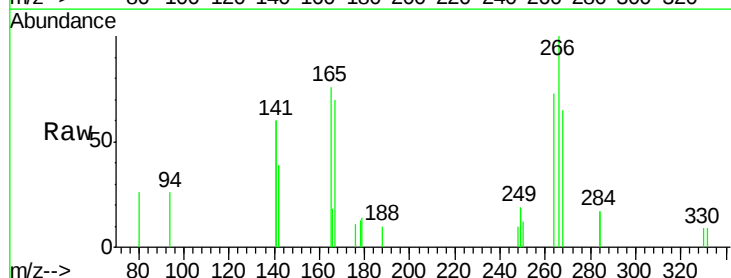


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

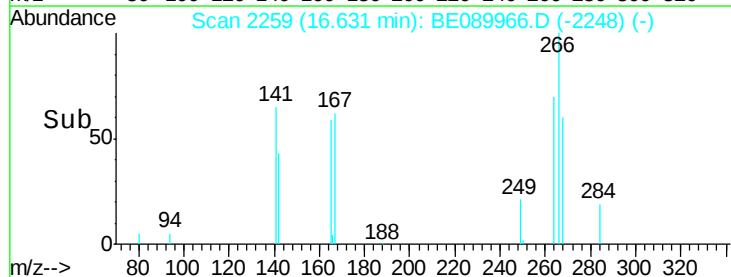
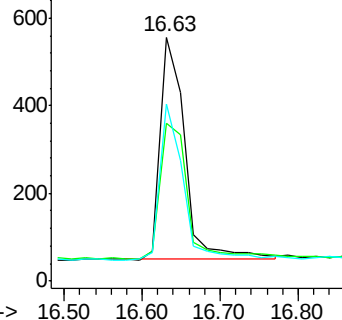


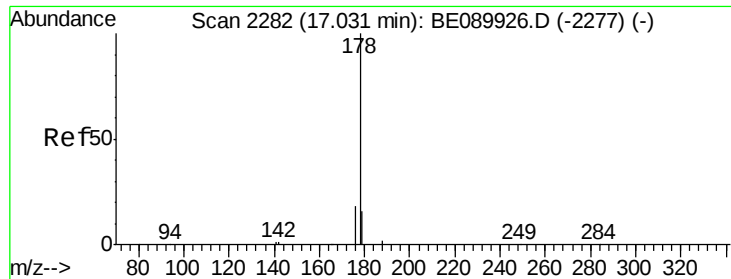
#21
Pentachlorophenol
Concen: 1.00 ng
RT: 16.63 min Scan# 2259
Delta R.T. -0.02 min
Lab File: BE089966.D
Acq: 27 Jun 2015 8:45

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	54.4	81.6
264	72.8	48.2	72.2#



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





#22

Phenanthrene

Concen: 0.08 ng m

RT: 17.01 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Instrument :

BNA_E

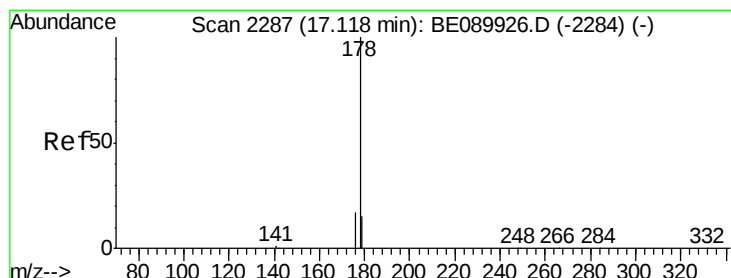
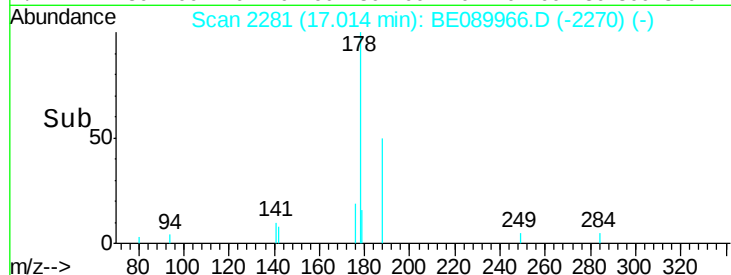
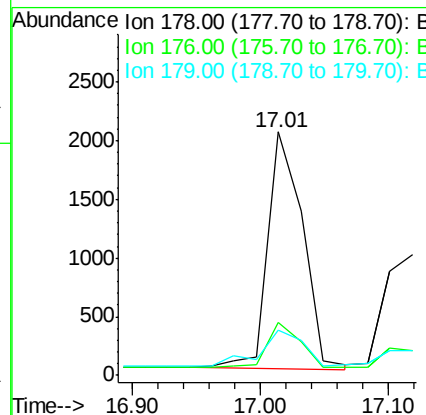
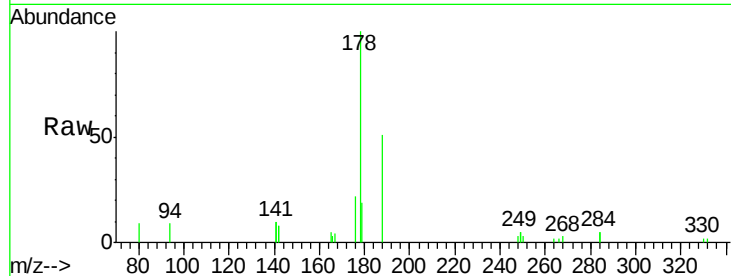
ClientSampleId :

X3SS0220006-150624

Tgt Ion:	178	Resp:	3788
Ion Ratio	Lower	Upper	
178	100		
176	9.0	15.4	23.2#
179	8.2	12.6	19.0#

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#23

Anthracene

Concen: 0.04 ng

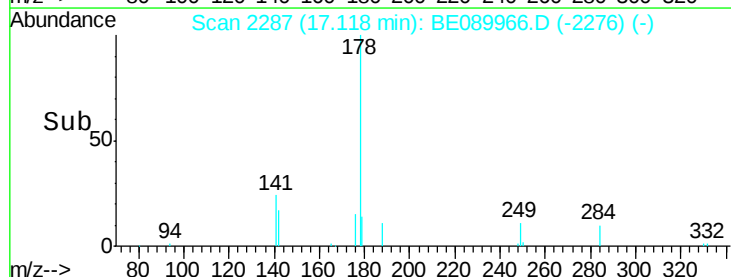
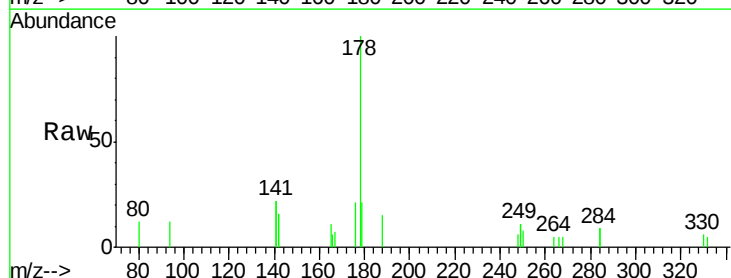
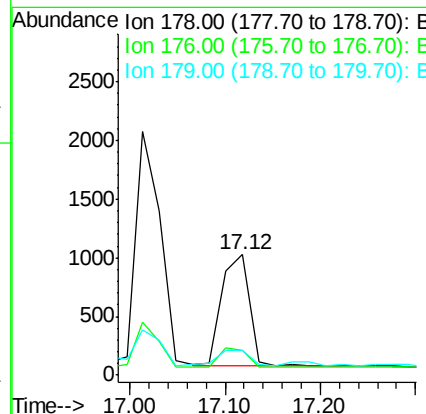
RT: 17.12 min Scan# 2287

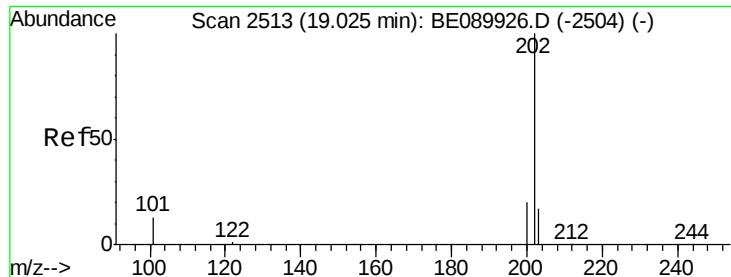
Delta R.T. 0.00 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Tgt Ion:	178	Resp:	1928
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.6	21.8
179	15.9	12.3	18.5





#24

Fluoranthene

Concen: 0.13 ng

RT: 19.02 min Scan# 2512

Delta R.T. -0.01 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Instrument :

BNA_E

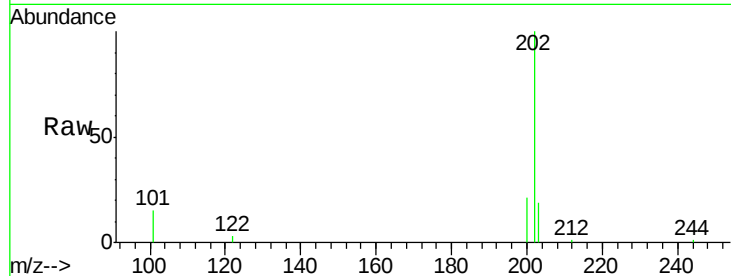
ClientSampleId :

X3SS0220006-150624

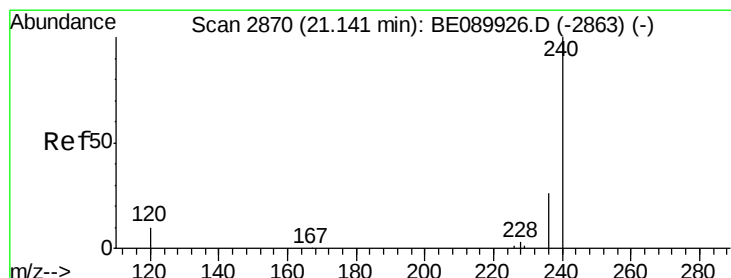
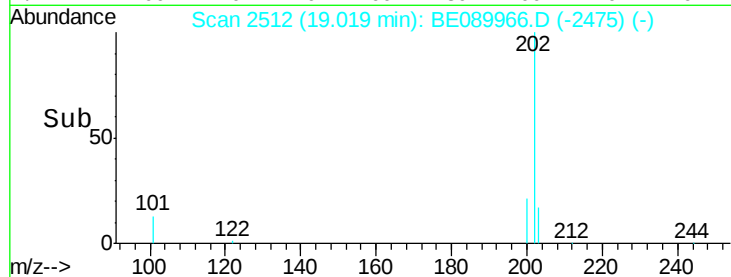
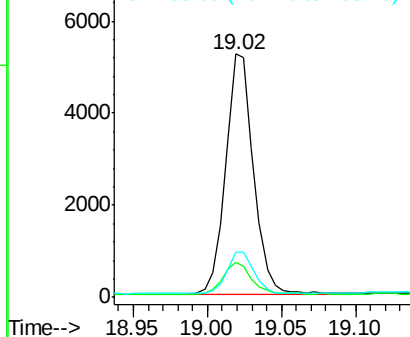
Tgt Ion:	202	Resp:	6880
Ion Ratio	Lower	Upper	
202	100		
101	14.1	10.6	16.0
203	17.2	13.8	20.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#25

Chrysene-d12

Concen: 5.00 ng

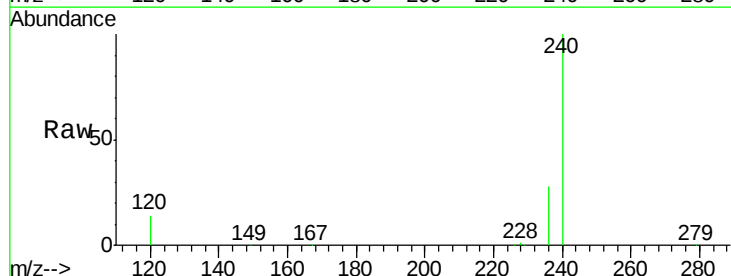
RT: 21.13 min Scan# 2869

Delta R.T. -0.01 min

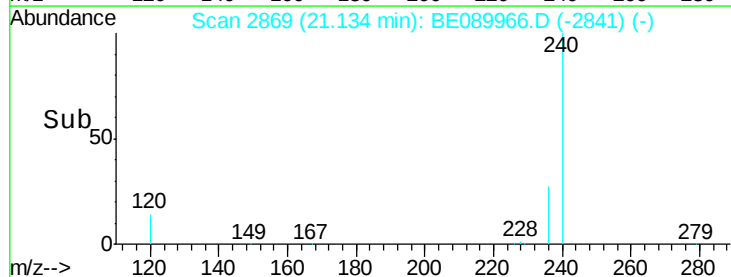
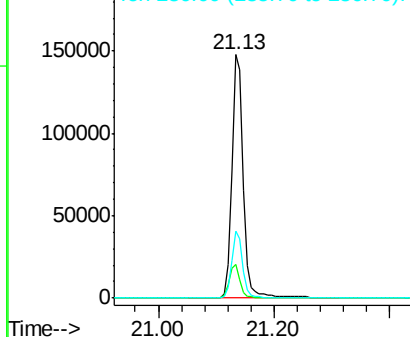
Lab File: BE089966.D

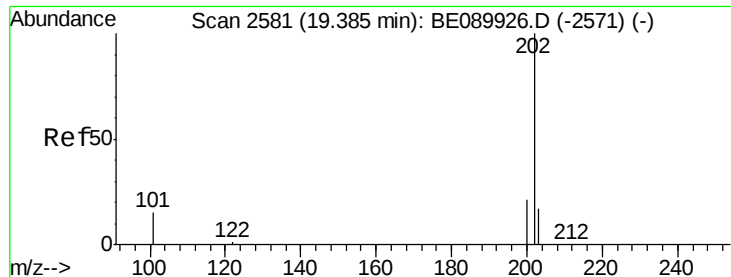
Acq: 27 Jun 2015 8:45

Tgt Ion:	240	Resp:	203701
Ion Ratio	Lower	Upper	
240	100		
120	13.6	7.9	11.9#
236	27.5	21.2	31.8



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





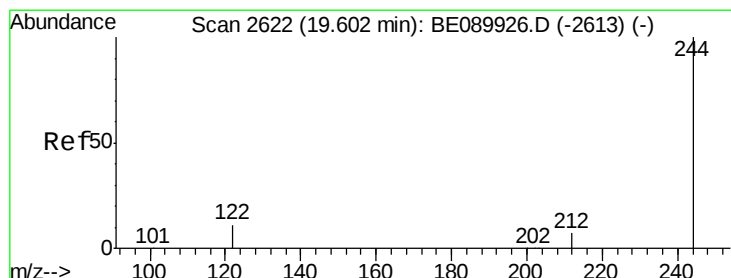
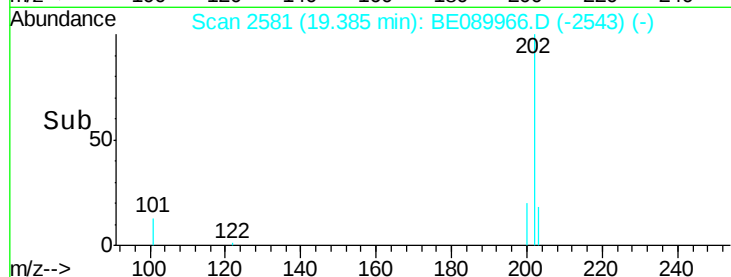
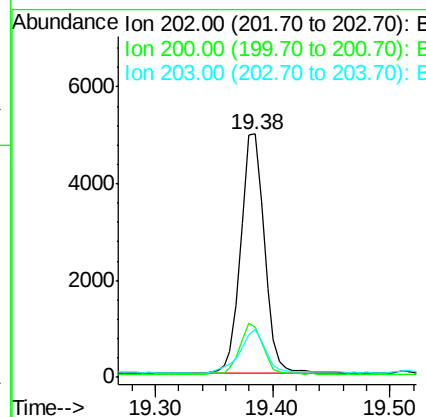
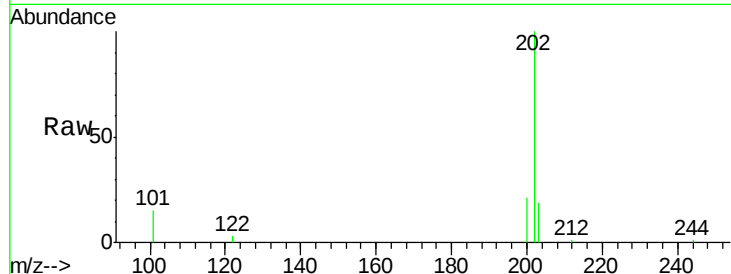
#26
Pyrene
Concen: 0.14 ng
RT: 19.38 min Scan# 2581
Delta R.T. 0.00 min
Lab File: BE089966.D
Acq: 27 Jun 2015 8:45

Instrument :
BNA_E
ClientSampleId :
X3SS0220006-150624

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.8	16.6	25.0
203	21.0	13.9	20.9

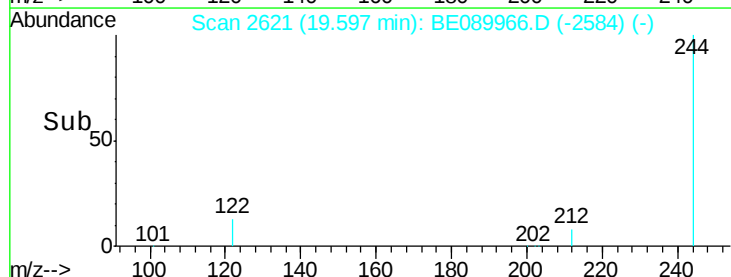
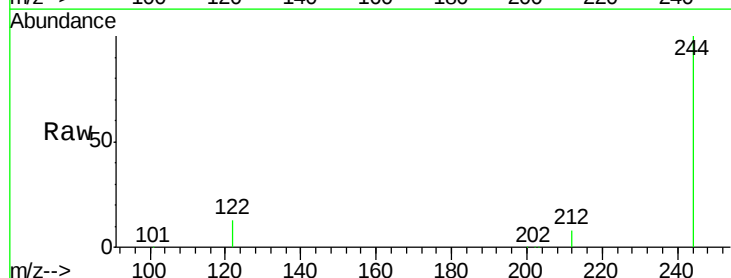
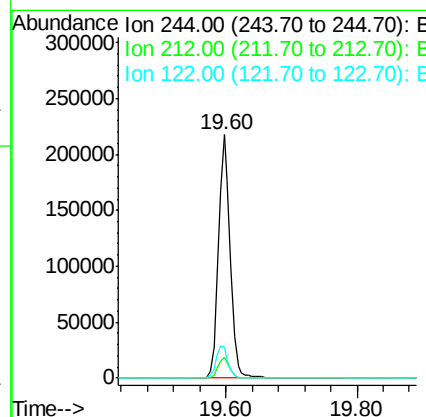
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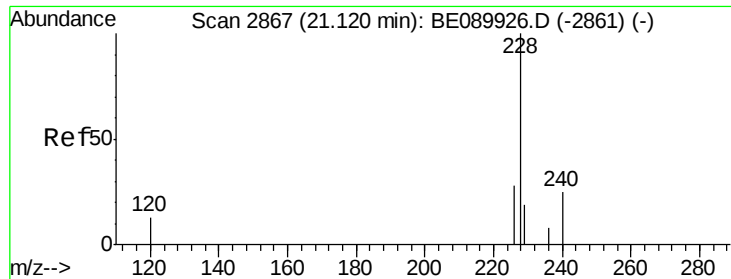
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#27
Terphenyl-d14
Concen: 7.68 ng
RT: 19.60 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BE089966.D
Acq: 27 Jun 2015 8:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.4	6.1	9.1
122	13.0	8.7	13.1





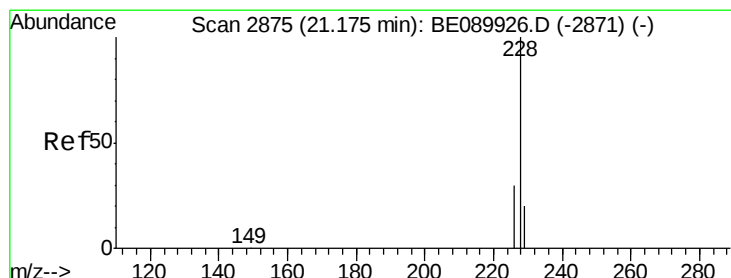
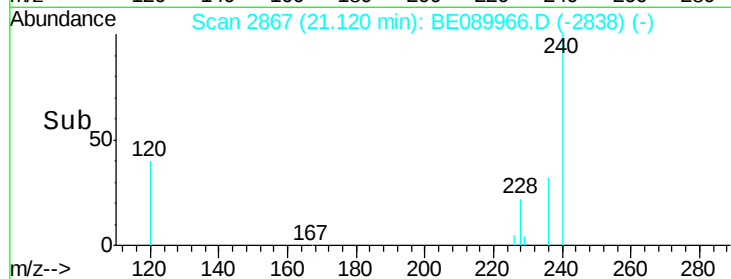
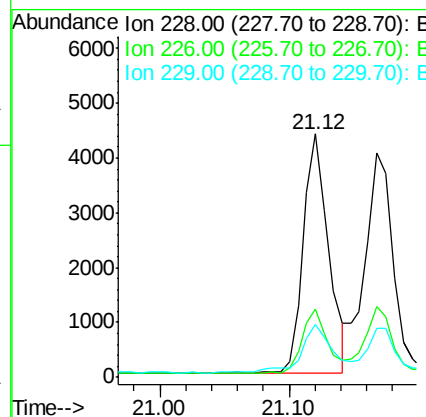
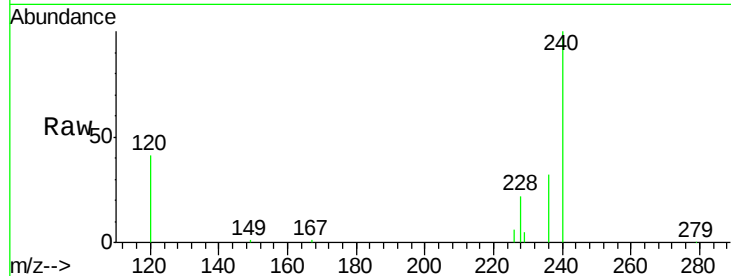
#28
Benzo(a)anthracene
Concen: 0.12 ng
RT: 21.12 min Scan# 2867
Delta R.T. 0.00 min
Lab File: BE089966.D
Acq: 27 Jun 2015 8:45

Instrument :
BNA_E
ClientSampleId :
X3SS0220006-150624

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.4
229	21.9	15.3	22.9

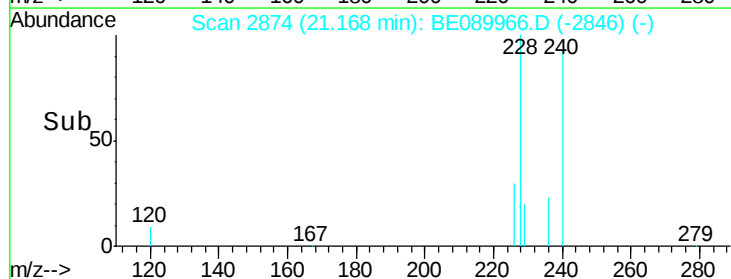
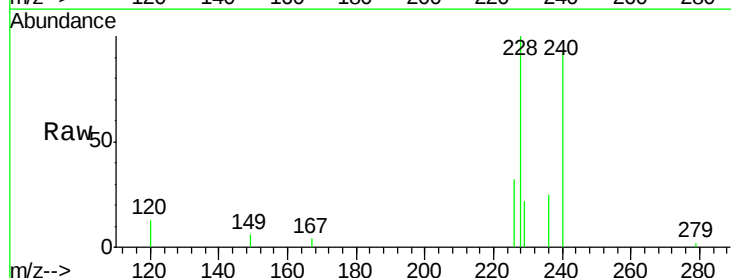
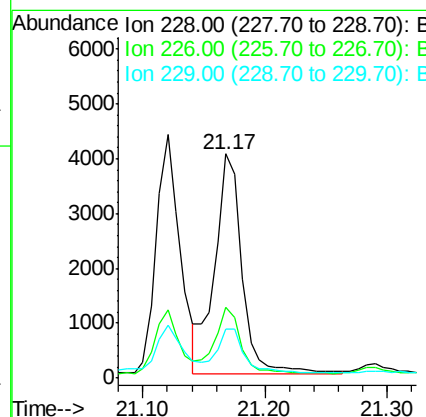
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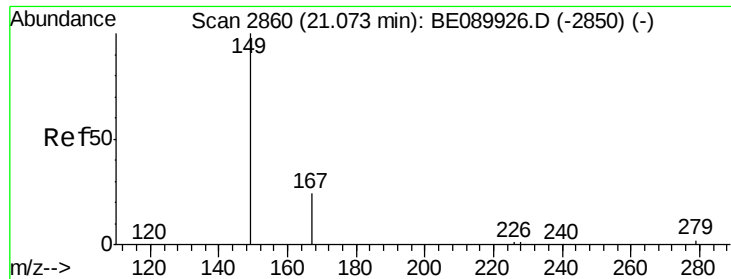
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#29
Chrysene
Concen: 0.12 ng
RT: 21.17 min Scan# 2874
Delta R.T. -0.01 min
Lab File: BE089966.D
Acq: 27 Jun 2015 8:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.7	35.5
229	22.0	15.8	23.8





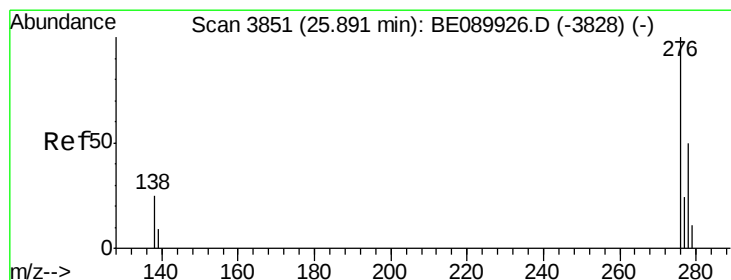
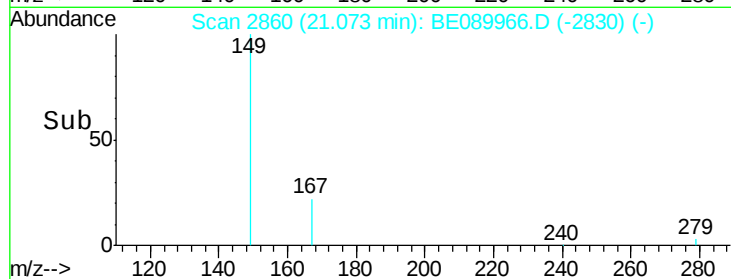
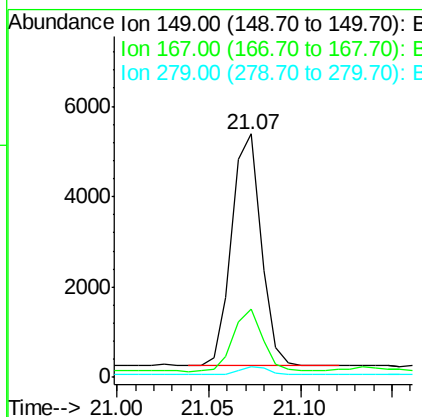
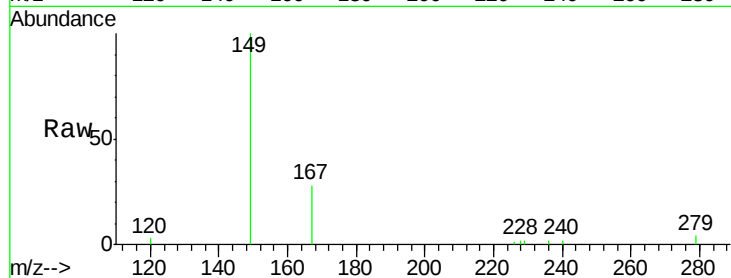
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 1.37 ng
 RT: 21.07 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: BE089966.D
 Acq: 27 Jun 2015 8:45

Instrument :
 BNA_E
 ClientSampleId :
 X3SS0220006-150624

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	20.3	30.5
279	3.2	2.7	4.1

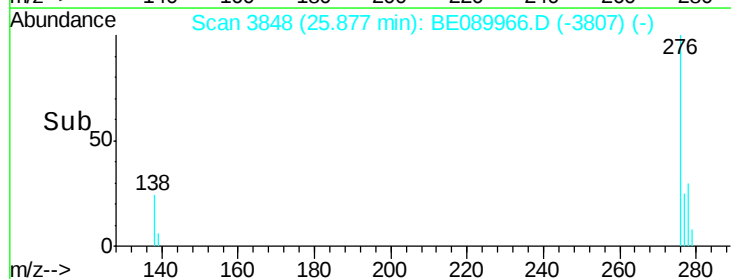
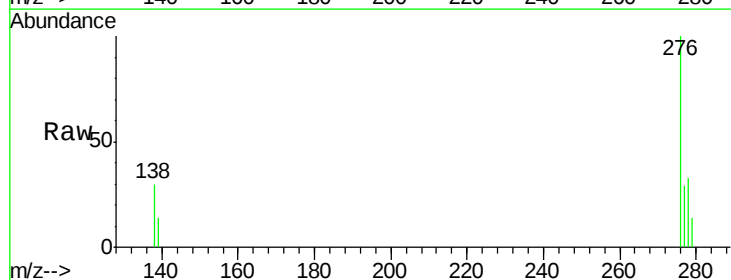
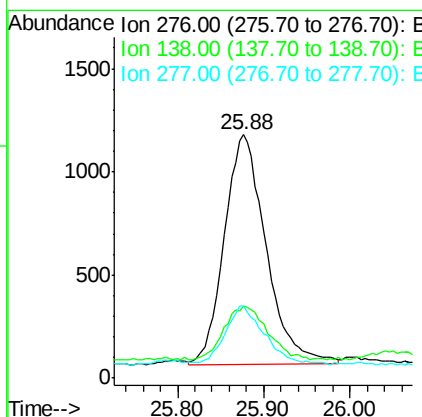
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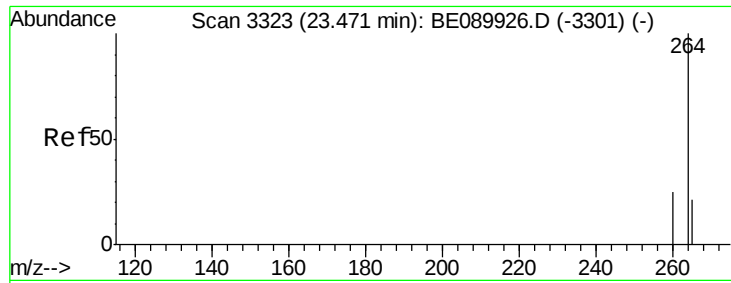
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#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.10 ng
 RT: 25.88 min Scan# 3848
 Delta R.T. -0.01 min
 Lab File: BE089966.D
 Acq: 27 Jun 2015 8:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	0.0	0.0#
277	23.8	0.0	0.0#





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.47 min Scan# 3322

Delta R.T. -0.01 min

Lab File: BE089966.D

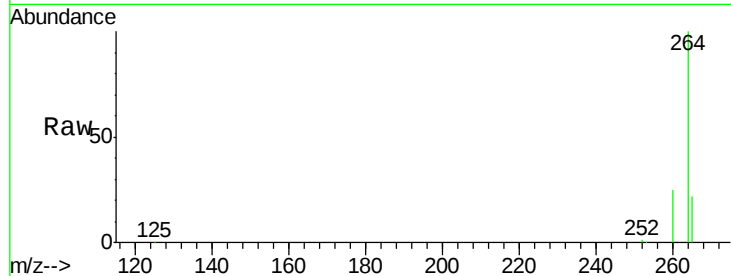
Acq: 27 Jun 2015 8:45

Instrument :

BNA_E

ClientSampleId :

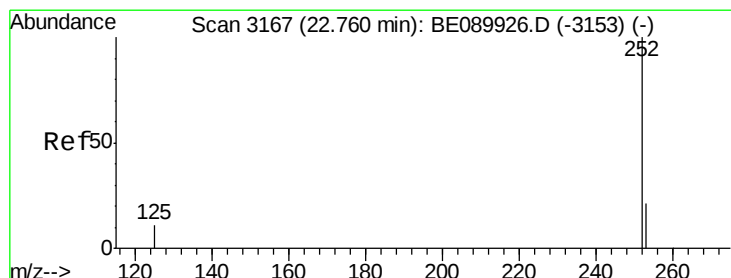
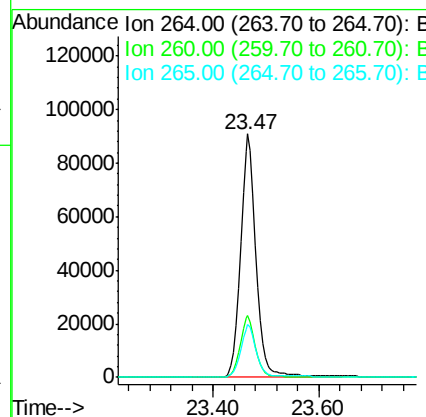
X3SS0220006-150624



Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.8	29.6
265	21.7	17.3	25.9

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#33

Benzo(b)fluoranthene

Concen: 0.16 ng

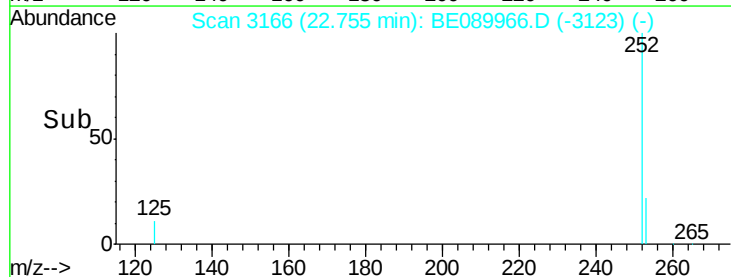
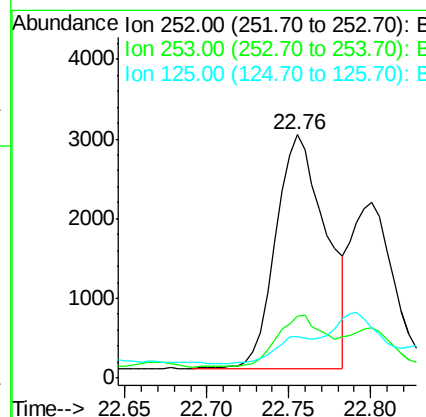
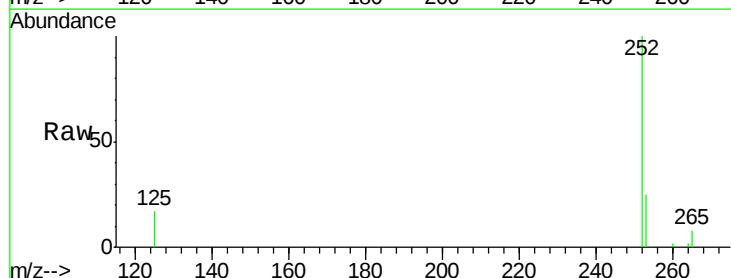
RT: 22.76 min Scan# 3166

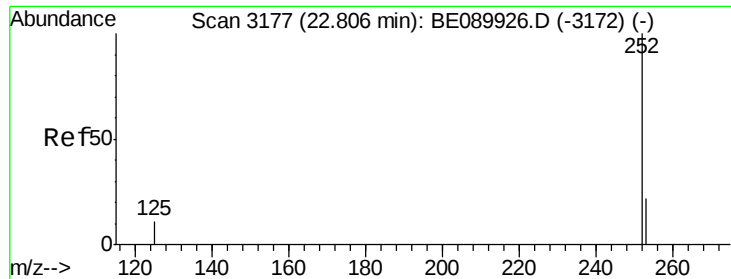
Delta R.T. -0.01 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.3	25.9
125	17.1	9.3	13.9





#34

Benzo(k)fluoranthene

Concen: 0.09 ng

RT: 22.80 min Scan# 3176

Delta R.T. -0.01 min

Lab File: BE089966.D

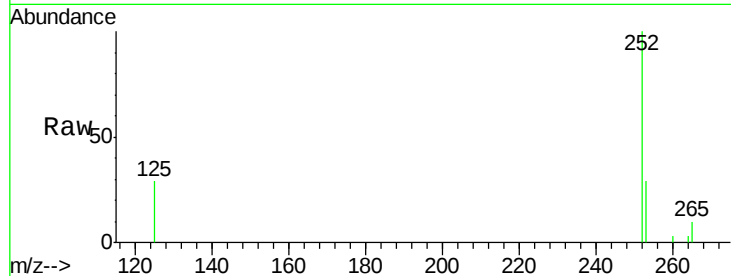
Acq: 27 Jun 2015 8:45

Instrument :

BNA_E

ClientSampleId :

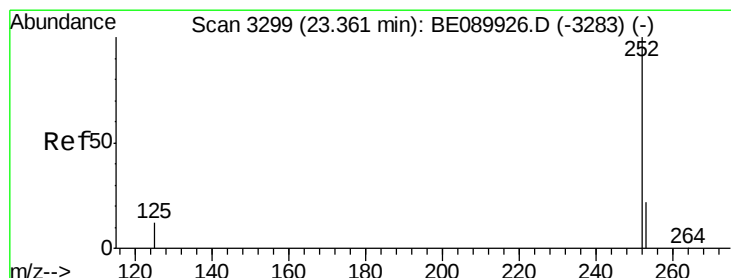
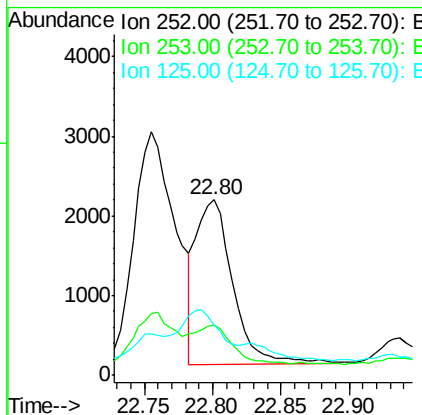
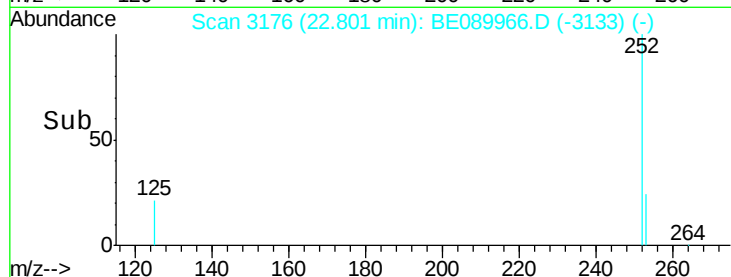
X3SS0220006-150624



Tgt Ion:	252	Resp:	3872
Ion Ratio	Lower	Upper	
252	100		
253	29.1	17.9	26.9#
125	28.9	9.2	13.8#

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#35

Benzo(a)pyrene

Concen: 0.13 ng

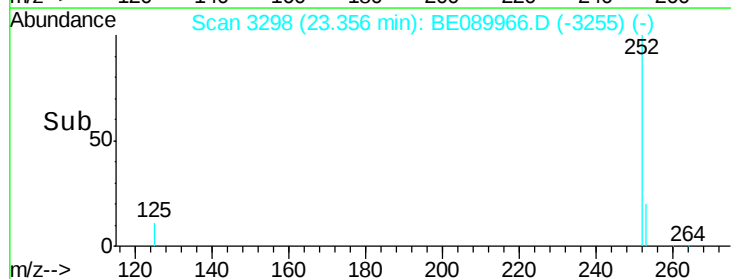
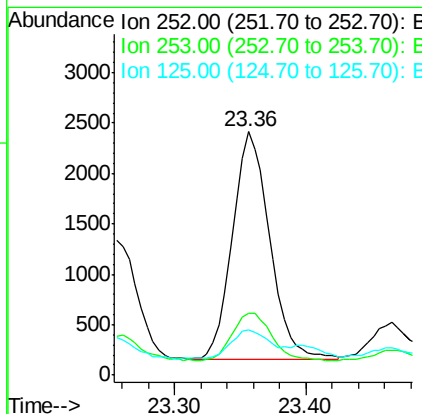
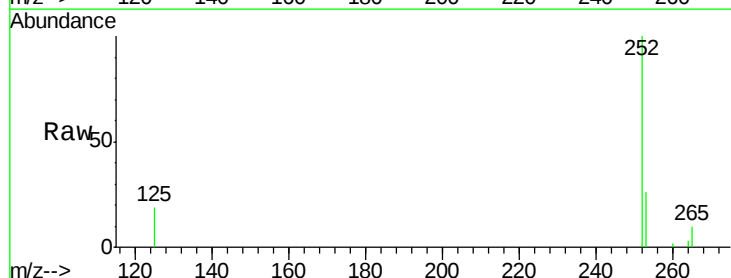
RT: 23.36 min Scan# 3298

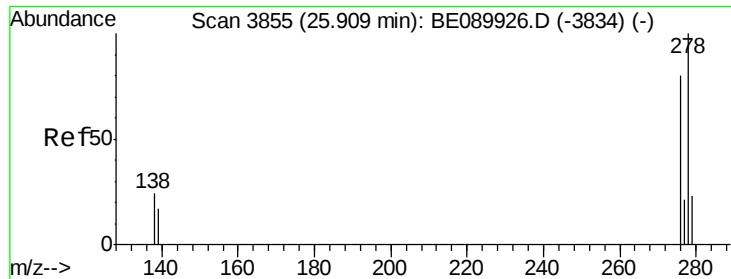
Delta R.T. -0.01 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Tgt Ion:	252	Resp:	4461
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.8	26.6
125	18.6	10.3	15.5#





#36

Dibenzo(a,h)anthracene

Concen: 0.06 ng

RT: 25.90 min Scan# 3853

Delta R.T. -0.01 min

Lab File: BE089966.D

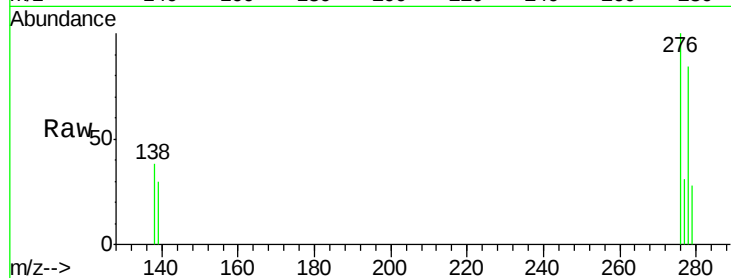
Acq: 27 Jun 2015 8:45

Instrument :

BNA_E

ClientSampleId :

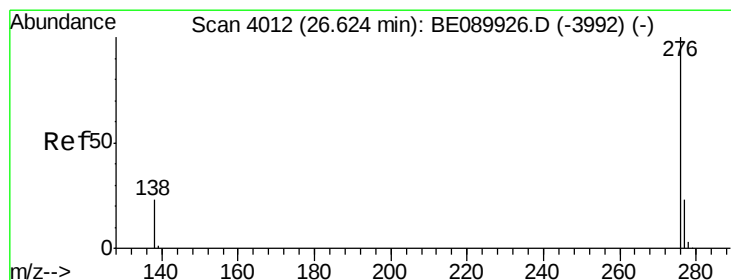
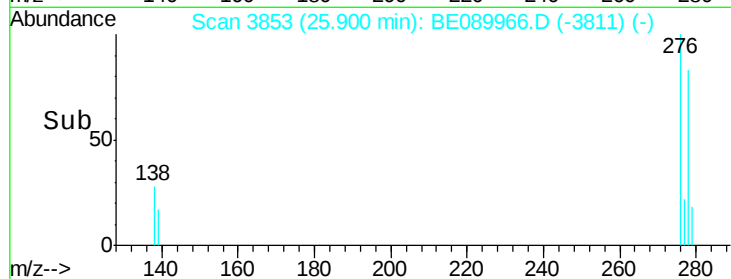
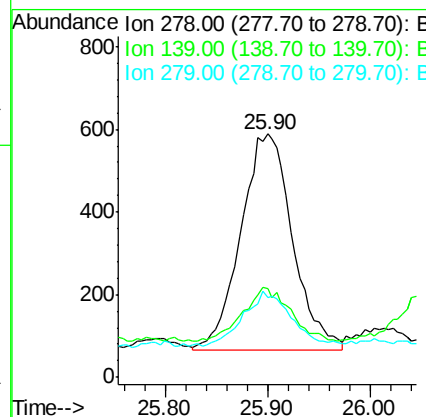
X3SS0220006-150624



Tgt Ion:	278	Resp:	1831
Ion Ratio	Lower	Upper	
278	100		
139	36.2	14.1	21.1#
279	32.9	19.0	28.6#

Manual Integrations
APPROVED

apatel
6/29/2015 5:03:29 PM



#37

Benzo(g,h,i)perylene

Concen: 0.10 ng

RT: 26.62 min Scan# 4011

Delta R.T. -0.00 min

Lab File: BE089966.D

Acq: 27 Jun 2015 8:45

Tgt Ion:	276	Resp:	3592
Ion Ratio	Lower	Upper	
276	100		
277	28.4	19.0	28.4
138	30.3	18.8	28.2#

